

# **AZELLA**

## **Arizona English Language Learner Assessment**

# **2013**

## **Field Test Technical Report**

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Arizona Department of Education  
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## FOREWORD

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The technical information herein is intended for use by those who evaluate tests, interpret scores, or use test results in making educational decisions. It is assumed that the reader has technical knowledge of test construction and measurement procedures, as stated in *Standards for Educational and Psychological Testing* (American Educational Research Association, American Psychological Association, National Council on Measurement in Education, 1999).

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## Chapter 1. INTRODUCTION

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### 1.1 Background

Title I and Title III of the federal *No Child Left Behind* (NCLB) reauthorization of the Elementary and Secondary Education Act in 2001 require annual assessment of the English proficiency of limited English proficient students. NCLB requires demonstrated annual improvement and adequate yearly progress for these students in order for them to develop English proficiency and meet challenging State academic content standards. Arizona state law (ARS 15-756) requires the identification of English language learner (ELL) students through the administration of English language proficiency assessments to students with a primary or home language other than English (PHLOTE). Additionally, state law (ARS-756.05) requires the annual reassessment of ELL students.

### 1.2 Purpose and Uses

The Arizona English Language Learner Assessment (AZELLA) is the Arizona English language proficiency test used to identify English Language Learner (ELL) students. The AZELLA is used to meet state and federal assessment requirements and tests the 2011 Arizona English Language Proficiency Standards (ELPS). The test provides information regarding the student's English language proficiency. Upon first enrollment in an Arizona school, students with a primary home language other than English (PHLOTE) are administered the AZELLA for initial identification and placement. Teachers use the AZELLA student results and ongoing classroom assessments in order to make instructional decisions that differentiate instruction and develop student readiness for instruction in mainstream classrooms. The AZELLA is also used for annual reassessment of ELL students to measure progress and to exit them from ELL services once they score "Proficient." These students are then placed into mainstream classes.

In order to comply with federal and states laws, the Arizona Department of Education (ADE) established statewide English language proficiency standards and developed a testing program around those standards. Following years of locally determined language proficiency testing, ADE adopted a single English language proficiency test, the *Stanford English Language Proficiency Test* (SELP), for statewide use in school years 2004-2005 and 2005-2006. SELP was modified to better align to the Arizona ELPS creating AZELLA Form 1 and was used from school year 2006-2007 through school year 2008-2009. AZELLA Form 2 was equated to SELP and used in Arizona from school year 2009-2010 through school year 2011-2012, and as a placement test for Stages II – V in school year 2012-2013. For the AZELLA Form 1 and Form 2, a single test form per Stage was used both for placement testing and for annual reassessment for ELL students.

In 2011, Arizona revised the performance indicators of the ELPS, to ensure that English language learners would have the linguistic foundations for academic English that is needed to meet the language demands and complexity required in Arizona's Common Core Standards – English Language Arts/Literacy (AZ CCS-ELA). The modifications of the ELPS necessitated a parallel revision of the AZELLA. Consistent with the prior Standards and tests, both the revised ELPS and the revised AZELLA were developed to address five grade spans; Stage I for Kindergarten, Stage II for Grades 1 and 2, Stage III for Grades 3, 4, and 5, Stage IV for Grades



6, 7, and 8, and Stage V for high school. The revised AZELLA was designed to test the increased language demands created by the rigor of the ELPS and the AZ CCS-ELA. The revised AZELLA was developed in accordance to the *Standards for Educational and Psychological Testing* (AERA, APA, NCME, 1999) and meets the requirements set forth in federal and state law.

Under the previous assessment system using AZELLA Form 1 and AZELLA Form 2 the Stage I form was used for both Kindergarten placement and the spring reassessment. A new component of the revised AZELLA assessment system is a separate Kindergarten Placement Test (KPT). The new KPT will be better aligned to the assessment needs of incoming Kindergarten students than the end of year Stage I test.

AZELLA Stage tests are designed to assess students at all skill progression levels within the assigned grade span. This vertical development of the language assessed allows the test to discriminate relatively finely among students at different levels of language acquisition. AZELLA results provide students, teachers, and parents with an objective report of students' English language skills in listening, speaking, reading, and writing. AZELLA results determine whether schools are helping students to make adequate progress toward English language proficiency and the amount of year-to-year progress students make in language proficiency for federal and state accountability.

## Chapter 2. ITEM DEVELOPMENT FOR STAGES I THROUGH V

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In 2011, the Arizona Department of Education (ADE) adopted a new version of the Arizona ELPS. These standards are designed to provide students with the prerequisite language skills necessary to access content and instruction in academic classrooms. The 2011 ELPS reflect a purposeful overlap with the language skills of the Common Core State Standards (CCSS), and they also reflect an increase in rigor, consistent with the CCSS, when compared to the previous version of the standards.

The ELPS are organized by strand, specifically Listening and Speaking, Reading, Writing, and Language, which includes English Conventions and Vocabulary. The standards are presented by stage and domain and performance indicators for each standard and each skill progression level, although it should be noted that some performance indicators are repeated across levels. The Stages are as follows: Stage I (kindergarten), Stage II (grades 1 and 2), Stage III (grades 3, 4, and 5), Stage IV (grades 6, 7, and 8), and Stage V (high school). The skill progression levels are Pre-Emergent, Emergent, Basic, Low Intermediate, and High Intermediate. The complete set of standards can be accessed at <http://www.azed.gov/english-language-learners/elps/>.

With the revision of the ELPS, it was necessary to revise the Arizona English Language Learner Assessment (AZELLA) to reflect the content and expectations of the new standards. To support this effort, WestEd content and test development project management staff collaborated with ADE staff to develop item specifications and blueprints to guide the item and test development process for each of the stages.

### 2.1 Item Specifications

Beginning in May 2011, WestEd undertook a comprehensive and systematic evaluation of the Arizona English Language Proficiency (ELP) Standards in order to determine which of those instructional standards were considered assessable for the new AZELLA as the first step in the development of item specifications. In particular, WestEd sought to identify ELPS that could be operationalized through item specifications to guide development of K-12 assessments to measure proficiency across the four primary domains of Listening, Speaking, Reading, and Writing. The determination of assessment content was based on an iterative judgment-based process involving ADE staff, the Arizona ELP Advisory Committee, and WestEd staff.

To guide the identification of assessable content, WestEd referenced the Framework for High-Quality English Language Proficiency Standards and Assessments, a document prepared by the USED-funded Comprehensive Center for Assessment and Accountability. From this guidance, four questions were developed to support the evaluation of the standards and performance indicators (PI).

1. Is the focus of the Performance Indicator primarily related to instruction (e.g., classroom-based activities)?
2. Does the Performance Indicator require teacher/student interactions or student/student interactions (e.g., group process or product)?
3. Does the Performance Indicator require a student response/product that engages multiple modalities?

4. Is the Performance Indicator readily "testable" (i.e., is it possible to generate multiple-choice or open-ended test items that will be meaningful to the tested population within the context of an on-demand assessment)?

For each PI, if the answer to questions 1–3 are "yes," this is an indication that the PI under examination may be better suited to classroom activities. For question 4, if educators/developers would find it challenging to develop a test item that is meaningful/accessible to students (e.g., an item that is not unduly contrived, convoluted, or confusing), then the PI under examination might be better focused on local instruction and assessment. WestEd's assessment and content specialists reviewed each of the standards and corresponding PIs and made a recommendation for assessability of each of the PIs based on the questions above.

WestEd's recommendations were then submitted to the ADE for review by an ELP advisory committee—a panel of experienced Arizona ELL educators—that validated and further delimited which standards the ADE should consider assessable for use in the new AZELLA. The membership of this committee was determined by the staff of the Office of English Language Acquisition Services (OELAS).

On April 7 and 8 of 2011, ADE staff facilitated the committee review to determine whether there was agreement with WestEd's recommendations of which ELP PIs should be considered assessable for ELLs taking the new AZELLA. The ELP Advisory Committee decided upon assessable PIs for AZELLA based on whether each was best suited for (1) on-demand/high-stakes testing versus (2) in-classroom formative assessment. Those PIs deemed by the advisory committee to be assessable in on-demand testing environments became candidate-PIs for inclusion in the AZELLA test blueprint and assessment framework developed by WestEd. Only those ELPS deemed to be best suited for in-classroom assessment were recommended for exclusion from the new AZELLA.

After the ELP Advisory Committee reviewed WestEd's recommendations with ADE staff, WestEd received the results of the committee's deliberations. Because the Advisory Committee met as separate subcommittees during its review with ADE, there were instances in which subcommittees reviewing standards provided conflicting guidance across the stages. WestEd ELL content specialists reviewed and reconciled conflicting guidance from the Advisory Committee, in consultation with ADE staff, to develop a final set of assessable standards for the new AZELLA.

Based on the feedback from the ELP Advisory Committee, the decision was made that decoding could be validly assessed only if students engaged in oral reading. Consequently, it was determined that decoding should be assessed through oral reading only at Stages II-IV (grades 1-2 through 6-8). It also was determined that the Language Strand Standards would most validly be assessed in the content of the other domains. Consequently, items were double coded to reflect the assessment of the Language Strand Standards, where appropriate. Language Strand Standard 1A was operationalized as parts of speech, and Standard 1B was defined as assessments of phrase, sentence, and question construction. Items assessing vocabulary were aligned to Standard 2.

For each of the assessable PIs approved by the ELP Advisory Committee and ADE, an item specification was developed to help define how the content of the PI could be assessed given the proposed format of the new AZELLA that was to model the basic format of AZELLA 2. Throughout their development, ADE staff was engaged in conversations about assessable content and item content. Once the item specifications were developed, ADE and WestEd once again convened a committee of experienced ELL educators. From June 29 to July 1, 2011, the group met to review the item specifications and make recommendations for revisions. These recommendations were reviewed with ADE staff and incorporated, as appropriate, by WestEd, yielding the item specifications used for item development and content review meetings in July and August of 2011, respectively.

The item specifications were updated further following the results of the field test to reflect the subsequent decisions about assessable content and to ensure consistency with the format and content of the items as they appeared on the final forms. Examples of these changes included the determination of the PIs associated with Writing (Research) could not be effectively assessed in the on-demand paper-and-pencil format of AZELLA and were therefore removed from the item specifications (and test blueprint) at all stages. The final Item Specifications can be found in Appendix A: AZELLA Test Specifications.

## **2.2 Test Blueprint**

The Test Blueprint, in concert with the Item Specifications, defines the content and structure of the test. The blueprint defines the standards to be assessed for each test form, the number of items per standard, the number of item types, the number of points per item type, and the total number of items and points per test form. Inherent in the number of points per test is the relative weighting associated with the standards, and in the case of AZELLA, and the domains being assessed. In the case of AZELLA, it was important to consider the relative weight of reading and writing versus speaking and listening across the stages. This point will be addressed more fully below.

The development of the test blueprint was done in parallel with the item specifications. Once WestEd content and assessment staff identified the assessable content, the initial test blueprints were drafted based on the number of PIs determined to be appropriate for a statewide assessment based on the 2011 ELPS and the continued use of a primarily paper-and-pencil assessment. In addition, the ADE identified by stage the target percentages for the domains that were to be considered in determining the test blueprints. These targets are based on the increasing importance of reading and writing to student success in the regular classroom. As a consequence, the relative percentage of the composite of reading and writing increases from 43% at Stage 1 to 60% at Stage V. The specific targets by stage are summarized below.

- For Stage I, at least 43% of the composite score will be composed of the reading and writing subdomain scores, with at least 20% of the composite score composed of the reading score.
- For Stage II, at least 52% of the composite score shall be composed of the reading and writing subdomain scores, with at least 25% of the composite score composed of the reading score.

- For Stage III, at least 55% of the composite score shall be composed of the reading and writing subdomain scores, with at least 28% of the composite score composed of the reading score.
- For Stage IV, at least 60% of the composite score shall be composed of the reading and writing subdomain scores, with at least 30% of the composite score composed of the reading score.
- For Stage V, at least 60% of the composite score shall be composed of the reading and writing subdomain scores, with at least 29% of the composite score composed of the reading score.

The same iterative process that was enacted with the development of the Item Specifications was used in the development and review of the Test Blueprint. WestEd's content and development staff drafted an initial blueprint for each stage based on the criteria outlined above. These draft blueprints were submitted to ADE for review. Adjustments were made as requested, and then the drafts were submitted to the ELP advisory committee for its consideration. Following the approval of the ELP Advisory Committee, the item development targets for the item writing workshops could be developed.

As with the Item Specifications, the Test Blueprint continued to be revised over time reflecting information gained from item performance and scoring of the pilot items. Table 2.1 below summarizes the percentages by stage and domain.

**Table 2.1: AZELLA Blueprint**

Domain/Standard	Stage I	Stage II	Stage III	Stage IV	Stage V
<b>Reading</b>	<b>28%</b>	<b>26%</b>	<b>32%</b>	<b>33%</b>	<b>33%</b>
Print Concepts/Phonemic Awareness/Decoding	50%	44%	35%	25%	21%
Comprehension	50%	56%	65%	75%	79%
<b>Writing</b>	<b>28%</b>	<b>26%</b>	<b>32%</b>	<b>33%</b>	<b>33%</b>
Applications	33%	32%	39%	36%	36%
Conventions	67%	68%	62%	50%	39%
Process/Elements/Research	0%	0%	0%	14%	26%
<b>Listening</b>	<b>22%</b>	<b>19%</b>	<b>17%</b>	<b>16%</b>	<b>16%</b>
Comprehension	100%	100%	100%	100%	100%
<b>Speaking</b>	<b>22%</b>	<b>22%</b>	<b>20%</b>	<b>19%</b>	<b>19%</b>
Delivery	71%	88%	88%	88%	88%
Repeats	29%	13%	13%	13%	13%

### 2.3 Item Development

WestEd staff worked collaboratively with the ADE staff throughout the item development process. The collaboration included the planning of the item development process and support materials. In addition, the ADE has a commitment to the involvement of educators in the test

development process, and educator committees were engaged at key steps throughout the item development process. These steps are outlined below.

WestEd content leadership developed training materials to guide the internal editorial staff in the development of passages to support the assessment of reading as defined by the ELPS. These training materials provided the genres by stage included in the new ELPS, the proposed word counts by stage, and the projected number of items to be developed per passage length. These passage guidelines are summarized below in Table 2.2 and Table 2.3.

**Table 2.2: Reading Passage Genres by Stage Identified in the ELPS**

Genre	Stages
Informational (Nonfiction)	Stages I-V
Literary (Fiction)	Stages I-V
Functional/Procedural	Stages III-V
Persuasive	Stages IV-V

**Table 2.3: Passage Length and Target Number of Items to be Developed per Passage by Stage and Passage Difficulty**

Stage II	Stage III	Stage IV	Stage V
Low end:30-40 words/ 3 items	Low end:60-80 words/ 3 items	Low end:100-150 words/ 5 items	Low end:125-175 words/ 5 items
Mid-range:41-60 words/ 4 items	Mid-range:81-120 words/ 4 items	Mid-range:151-225 words/ 6 items	Mid-range:176-250 words/ 6 items
Upper end:61-100 words/ 6 items	Upper end:121-250 words/ 6 items	Upper end:226-300 words/ 8 items	Upper end:251-350 words/ 8 items

In addition, the editors received training on bias and sensitivity issues with particular emphasis on the importance of contexts that are familiar to students from diverse cultural and linguistic backgrounds, the use of accessible language, and sensitivity to Native American cultures found in Arizona. Considerations for Native American cultures included respect for animals, the Earth, elders, Native topics and Native histories, and a recognition of tribal governance and ceremonial life as proprietary.

Following the conclusion of the training, WestEd editorial staff developed reading passages in advance of the item writing session. Having WestEd staff develop initial drafts of passages was deemed desirable as a means to maximize the item development effort recognizing that the educator committee members had the right to review, revise, and or reject any of the developed passages.

WestEd lead content staff also developed materials to support the educator review of the developed passages as well as to train them for the item writing process. The item writing training included goals, training, and practice activities. As part of the training, the participants were provided an overview of the development cycle for an item that included the following steps in the writing and editing process.

Step 1: Items are written by teachers with ELL expertise.

Step 2: Items are reviewed by WestEd's editing team and undergo multiple levels of editing by a team of editors who have expertise in ELP assessment and high-stakes test development.

Step 3: Items are brought to Arizona for content and bias/sensitivity review by local ELL specialists. Review committee recommendations are considered by ADE.

Step 4: ADE reviews and approves items to be field tested.

The PowerPoint presentation used to train the July 11-15, 2011, workshop participants in passage review and item writing can be found in Appendix B: Item Writing Workshop. The training provided an overview of the Item Specifications, general item-writing guidelines, guidelines for developing multiple-choice items and multiple-choice formats, guidelines for developing open-response items including developing the prompt and designing the directions for students, and open-response question formats. Examples of both multiple-choice and open-response items were provided. The workshop participants were also trained in issues of bias and sensitivity reflecting the same information provided to the WestEd editors.

In addition, target word lists were developed to reflect grade-appropriate language. Given the limited vocabulary, particularly at the lower stages, it was important to keep track of which words had been used in items to prevent overuse of specific terms. WestEd support staff maintained a record of the vocabulary assessed by items at each stage. Daily updates were provided to the stage-specific facilitators.

Upon conclusion of the training sessions, the educator committees were divided into committees by stage. A total of 57 educators participated in the item writing session. Both ADE and WestEd were assigned to help facilitate the item writing process and address any questions raised by the committee members. WestEd provided graphic artists to render initial drafts of graphics to ensure fidelity to the item writer's intent. The total numbers of items developed during the workshop are reported by stage in Table 2.4.

**Table 2.4: Total Number of Items Developed by Educator Committees by Stage and Level****Stage I: Kindergarten**

Skill Progression Level Descriptors																					
Domain		Pre-Emergent (PE)				Emergent (E)				Basic (B)				Low Intermediate (LI)				High Intermediate (HI)			
		MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total
Listening	38	12	0	0	12	9	0	0	9	14	0	0	14	0	0	0	0	3	0	0	3
Reading	73	12	0	0	12	24	0	0	24	24	0	0	24	6	0	0	6	7	0	0	7
Writing	64	0	0	0	0	0	0	10	10	0	0	4	4	0	0	25	25	0	0	25	25
Speaking	38	0	0	4	4	0	0	5	5	0	8	4	12	0	0	4	4	0	6	7	13
Total	213	24	0	4	28	33	0	15	48	38	8	8	54	6	0	29	35	10	6	32	48

**Stage II: Grades 1 - 2**

Skill Progression Level Descriptors																					
Domain		Pre-Emergent (PE)				Emergent (E)				Basic (B)				Low Intermediate (LI)				High Intermediate (HI)			
		MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total
Listening	56	6	0	0	6	18	0	0	18	23	0	0	23	1	0	0	1	8	0	0	8
Reading	148	4	0	0	4	16	0	0	16	13	3	0	16	32	9	0	41	61	10	0	71
Writing	68	0	0	0	0	4	0	0	4	12	0	0	12	19	0	0	19	20	0	13	33
Speaking	32	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	13	0	19	0	19
Total	304	10	0	0	10	38	0	0	38	48	3	0	51	52	22	0	74	89	29	13	131

**Stage III: Grades 3 - 5**

Skill Progression Level Descriptors																					
Domain		Pre-Emergent (PE)				Emergent (E)				Basic (B)				Low Intermediate (LI)				High Intermediate (HI)			
		MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total
Listening	46	3	0	0	3	13	0	0	13	16	0	0	16	14	0	0	14	0	0	0	0
Reading	183	9	0	0	9	5	6	0	11	27	5	0	32	2	5	0	7	119	5	0	124
Writing	73	4	0	0	4	6	0	1	7	5	0	6	11	7	0	0	7	34	0	10	44
Speaking	47	0	0	0	0	0	15	0	15	1	13	1	15	0	12	0	12	0	5	0	5
Total	349	16	0	0	16	24	21	1	46	49	18	7	74	23	17	0	40	153	10	10	173

**Stage IV: Grades 6 – 8**

Skill Progression Level Descriptors																					
Domain		Pre-Emergent (PE)				Emergent (E)				Basic (B)				Low Intermediate (LI)				High Intermediate (HI)			
		MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total
Listening	58	0	0	0	0	0	0	0	0	32	0	0	32	14	0	0	14	12	0	0	12
Reading	165	0	0	0	0	14	6	1	21	26	0	0	26	24	0	0	24	94	0	0	94
Writing	92	0	0	0	0	16	0	0	16	23	0	4	27	25	0	0	25	19	0	5	24
Speaking	34	0	0	0	0	0	0	0	0	0	2	7	9	0	3	3	6	0	16	3	19
Total	349	0	0	0	0	30	6	1	37	81	2	11	94	63	3	3	69	125	16	8	149

**Stage V: Grades 9 - 12**

Skill Progression Level Descriptors																					
Domain		Pre-Emergent (PE)				Emergent (E)				Basic (B)				Low Intermediate (LI)				High Intermediate (HI)			
		MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total
Listening	48	0	0	0	0	0	0	0	0	17	0	0	17	18	0	0	18	13	0	0	13
Reading	168	1	0	0	1	18	0	0	18	52	0	0	52	16	0	0	16	81	0	0	81
Writing	106	0	0	0	0	15	0	0	15	5	0	6	11	2	0	6	8	66	0	6	72
Speaking	41	0	5	0	5	0	1	0	1	0	1	0	1	0	10	0	10	0	19	5	24
Total	363	1	5	0	6	33	1	0	34	74	1	6	81	36	10	6	52	160	19	11	190

As outlined in the steps of the item development process described above, the developed items were subjected to a thorough editorial process provided by WestEd content staff with specific expertise in the development of ELL assessments. WestEd employed a distributed editing process such that each item was seen by at least two content editors before being submitted to the quality control staff. If in their review, any questions were raised about content or coding, the items were submitted to the content lead for resolution. Following the completion of the editorial and quality control process, all edited items were distributed into two item review books per stage in preparation for the next round of educator review.

All edited items were submitted to educator committees for their evaluation of the items for content, bias, and sensitivity. Educators were convened on August 27, 2011, for this review. A total of 84 educators participated in the review process. The participants (and items) were divided roughly in half to allow for the review of all the items within the available meeting time.

WestEd facilitators led each stage group, and they were supported by ADE staff. Prior to the stage-specific item reviews, participants were provided a training session that included an



overview of test security and confidentiality, the role of the participants in the item review process, an overview of the test development process, content review guidelines, key item development resources, and bias/sensitivity review guidelines. The presentation used in this training can be found in Appendix C: Item Content & Bias Review Meeting. In addition to the training, participants received the *AZELLA Checklists for Content & Bias Reviews*, which were developed to align with Arizona's Instrument to Measure Standards (AIMS) content and bias checklists. The checklists provided a summary of the key principles presented in the training. A second document—*AZELLA CRITICAL CONDITIONS for Content & Bias Reviews*—provided a more abbreviated version of the material provided in the Checklists. These documents are also provided in Appendix C. Reviewers were encouraged to have these documents readily available and refer to them as they reviewed the items.

During the review process, decisions were made about each item. Reviewers were asked to evaluate the item for its alignment to the identified indicator, grade appropriateness, editorial completeness and accuracy, and the presence of any content that could be considered to be biased or sensitive in nature. The committee had three options for item ratings: accept as is, accept with edits, or reject. The WestEd facilitators maintained a record of the decision for each item, and their recordings were compared to that of an additional recorder selected from among the committee participants. At the conclusion of the meeting, the item-level records were compared and any discrepancies reconciled. The WestEd facilitator maintained a record of the final version of each item, and the recorder's copy was submitted to ADE.

## **2.4 Telephone Voice Capture with Young Children**

### **Background**

A cognitive lab study was conducted to observe how young children in kindergarten and first grade would interact with the telephone test delivery platform. As a result of the study, actions to facilitate ease-of-use for children were implemented in order to prevent misunderstandings in test administration and to foster a positive emotional response among students during the test.

The cognitive lab was designed to investigate a) the completion rate of the speaking tasks, and b) students' interaction with the test delivery devices, in the following five areas:

1. Test Preparation: Verify the impact and usefulness of preparation materials to determine whether the demo video and a face-to-face practice session prior to the test are sufficient in preparing students for the task
2. Delivery Platform: Observe the impact of the testing platform on students' performance, especially, the use of microphone, such as its distance to a student's mouth
3. Administration Process: Observe and refine the directions that the test administrators follow as they administer the test
4. Physical Interaction with the Devices: Observe students' interaction with telephones
5. Task Completion: Identify the rate of test completion on telephones.

## **Participants**

- Students: The study took place over two days (August 23 and 24, 2011) in two Arizona schools. 20 students (12 kindergarteners, eight 1<sup>st</sup> graders) were tested.
- Teachers: A test administrator administered the test to students one at a time. The test administrators were provided with a short training session prior to the session.
- Observers: Pearson staff, ADE staff

## **Observation Summary**

Testing took place in an office at each school. Both the student and the teacher sat in front of a desk. A speaker phone was placed on the desk. At any one session, the student sat on the left and the teacher sat on the right.

### *Phone interface*

Students were found to be comfortable with the phone interface. They were not intimidated by the device. Some students were very excited at speaking on the phone.

### *Task completion*

The majority of the students were able to complete most parts of the test. Two out of 20 students were not able to follow the test flow. Both students were rated as pre-emergent by the teachers.

### *Preparation material*

Using a combination of a video demo and a paper-based practice with the test administrator produced the best results. Other combinations of preparation materials were either redundant or not sufficient. Both students and test administrators were excited about the video. Test administrators believed that using a video greatly standardized the administration process. The visual input helped students internalize the testing process. It also helped student relax in a highly intense testing environment.

### *Pace of Test*

The pace was slow for some students with higher English language proficiency. The waiting time made them anxious and they turned to the test administrator for feedback. However, for low-proficiency students, the waiting time could have been longer. They generally needed more time to plan the speech before production. It was very important to find the middle-ground to accommodate both ends.

### *Test Administrator Feedback*

Both test administrators thought that the students' performance on the phone was comparable to their performance in a face-to-face interview. Typical pre-emergent student behaviors, such as shrugging and smiling, were observed in the phone-administrated test as well.

## **Conclusion**

The students were generally at ease when interacting with telephones. The video instruction method appeared to be the preferred method by all students. Its benefit was that it provided a "standardized" approach to administering the test. However, it was found that some students would benefit from "practicing" the speaking test face-to-face with the test administrator in addition to the viewing the video prior to taking the "real" test. In order to best measure a

student's English proficiency on the phone, a training video and a short practice session prior to a testing session were added to the Field Test Administration procedures.

## **2.5 Field Test Form Construction**

Following the content review of the items WestEd content and project leads began the process of selecting items for inclusion within the field test forms. WestEd staff developed test maps to guide the selection process. These maps, informed by the domain representation of the test blueprint, designated the number of items per domain to be included per form, as well as the number and placement of scaling items across the forms. Items were selected to fulfill the test map while reflecting a variety of performance indicators and skill progression levels.

WestEd staff met with ADE staff August 29–31, 2011, to review the item selections. These reviews were performed by stage and two stages were reviewed simultaneously. The primary goal for these reviews was to ensure that the depth and breadth of the AZELLA content standards were addressed and that the relative difficulty of the forms was balanced. ADE staff initially reviewed the test maps for adequacy of the sampling of content. Once approved, the review of the specific items selected for form inclusion was considered along with the edits that had been implemented based on the feedback from the committees on content or bias issues. WestEd provided alternates to the selected items that included unused items from the reviews and items included in previous AZELLA test forms. Preliminary item order was also determined with recognition that the item's ultimate position would be determined by the final item layout within the test forms. The number of items included in the field test forms by domain, standard, and item type are presented in Table 2.5.

**Table 2.5: Total Number of Items Field Tested by Stage and Level****Stage I: Kindergarten**

Skill Progression Level Descriptors																					
Domain		Pre-Emergent (PE)				Emergent (E)				Basic (B)				Low Intermediate (LI)				High Intermediate (HI)			
		MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total
Listening	38	10	0	0	10	11	0	0	11	15	0	0	15	0	0	0	0	2	0	0	2
Reading	49	7	0	0	7	17	0	0	17	13	0	0	13	3	0	0	3	9	0	0	9
Writing	52	0	0	0	0	0	4	0	4	0	8	0	8	0	13	0	13	0	27	0	27
Speaking	31	0	4	0	4	0	4	0	4	0	9	0	9	0	2	0	2	0	12	0	12
Total	170	17	4	0	21	28	8	0	36	28	17	0	45	3	15	0	18	11	39	0	50

**Stage II: Grades 1 - 2**

Skill Progression Level Descriptors																					
Domain		Pre-Emergent (PE)				Emergent (E)				Basic (B)				Low Intermediate (LI)				High Intermediate (HI)			
		MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total
Listening	54	6	0	0	6	18	0	0	18	22	0	0	22	1	0	0	1	7	0	0	7
Reading	101	4	0	0	4	6	0	0	6	12	3	0	15	19	8	0	27	42	7	0	49
Writing	51	0	0	0	0	4	0	0	4	12	0	0	12	13	0	0	13	13	0	9	22
Speaking	30	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	11	0	19	0	19
Total	236	10	0	0	10	28	0	0	28	46	3	0	49	33	19	0	52	62	26	9	97

**Stage III: Grades 3 - 5**

Skill Progression Level Descriptors																					
Domain		Pre-Emergent (PE)				Emergent (E)				Basic (B)				Low Intermediate (LI)				High Intermediate (HI)			
		MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total
Listening	39	3	0	0	3	10	0	0	10	15	0	0	15	11	0	0	11	0	0	0	0
Reading	117	5	0	0	5	5	5	0	10	19	5	0	24	2	4	0	6	68	4	0	72
Writing	51	4	0	0	4	6	0	0	6	2	0	4	6	3	0	0	3	27	0	5	32
Speaking	34	0	0	0	0	0	12	0	12	0	11	0	11	0	9	0	9	0	2	0	2
Total	241	12	0	0	12	21	17	0	38	36	16	4	56	16	13	0	29	95	6	5	106

**Stage IV: Grades 6 – 8**

Skill Progression Level Descriptors																					
Domain		Pre-Emergent (PE)				Emergent (E)				Basic (B)				Low Intermediate (LI)				High Intermediate (HI)			
		MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total
Listening	46	0	0	0	0	0	0	0	0	25	0	0	25	11	0	0	11	10	0	0	10
Reading	97	0	0	0	0	6	6	0	12	20	0	0	20	12	0	0	12	53	0	0	53
Writing	72	0	0	0	0	9	0	0	9	21	0	4	25	18	0	0	18	15	0	5	20
Speaking	30	0	0	0	0	0	0	0	0	0	9	0	9	0	6	0	6	0	15	0	15
Total	245	0	0	0	0	15	6	0	21	66	9	4	79	41	6	0	47	78	15	5	98

**Stage V: Grades 9 - 12**

Skill Progression Level Descriptors																					
Domain		Pre-Emergent (PE)				Emergent (E)				Basic (B)				Low Intermediate (LI)				High Intermediate (HI)			
		MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total	MC	SA	ER	Total
Listening	46	0	0	0	0	0	0	0	0	16	0	0	16	17	0	0	17	13	0	0	13
Reading	99	0	0	0	0	11	0	0	11	27	0	0	27	13	0	0	13	48	0	0	48
Writing	83	0	0	0	0	11	0	0	11	5	0	1	6	2	0	4	6	56	0	4	60
Speaking	31	0	2	0	2	0	1	0	1	0	0	0	0	0	9	0	9	0	19	0	19
Total	259	0	2	0	2	22	1	0	23	48	0	1	49	32	9	4	45	117	19	4	140

## **Chapter 3. ITEM DEVELOPMENT FOR THE KINDERGARTEN PLACEMENT TEST**

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ADE sought the development of a kindergarten placement test to be administered to children who are entering kindergarten and who have been identified as potential English language learners (ELLs) by the Primary Home Language Other Than English (PHLOTE) survey. The primary purpose of the assessment is to determine whether students who have answered one of the three PHLOTE survey questions with an answer other than English are in need of specific English language proficiency (ELP) instruction in order to succeed in a regular classroom. The Stage I test had previously been used for this purpose but it was primarily designed for use at the end of kindergarten and a test more appropriate for students entering kindergarten was needed. The development of the items for the KPT was based on the English Language Proficiency Standards focusing primarily on the Listening and Speaking sections at the lower skill progression levels and on the Arizona Early Learning Standards.

### **3.1 Considerations for the Development of the AZELLA Kindergarten Placement Test**

Prior to beginning the development process, WestEd conducted a review of the literature. The literature indicated that there are a number of challenges inherent in assessing very young children with standardized instruments and procedures—especially with children who are tested in a second language. Caution must be exercised such that instruments are linguistically and culturally appropriate for the young ELL population. Depending on the stage of active language learning of a given child, assessments can over- or underestimate a child's true language capacity (Espinosa & Lopez, 2007).

Early childhood research also indicates that an oral question and answer or performance task/response format is the most accessible to the widest range of young ELLs; the use of paper and pencil assessments may be unduly limiting or intimidating for emerging English learners, especially at the pre-kindergarten stage. Additionally, a student's limited motor control on a paper-and-pencil test (e.g., controlling a pencil when writing) may confound understanding of that student's level of language skill.

### **3.2 Initial Test and Item Design**

A meeting was convened with members of the AZELLA Advisory Committee to obtain their input on desired key features of a kindergarten placement test. The committee members believed that listening and speaking skills were most critical to identify entry-level ELL kindergarten students. They further acknowledged that reading and writing might play a role in further differentiating Kindergarten students for placement purposes.

After obtaining this initial information, WestEd and ADE staff met to discuss additional development considerations. The following were identified as key features for the design of the KPT.

- Provide for the identification of ELL/nonELLs while also supporting placement of ELLs in low/high proficiency levels;

- Reflect a minimum of roughly 40 points to order to support the two goals stated above;
- Place a primary focus (up to 80-90%) on the domains of listening and speaking;
- Include roughly a 50/50 division of multiple-choice versus open-ended items to minimize the demand on test administrator training and scoring;
- Include items that allow students to generate language on their own through the use of a prompt to support student responses;
- Incorporate manipulatives to provide concrete objects with which students can respond; and,
- Target a total testing time of 20 minutes.

On the basis of prior research in the area, discussions with the AZELLA Advisory Committee and the key features identified by ADE, a preliminary test blueprint was developed. This initial test blueprint is shown in Appendix D.

The preliminary blueprint was presented to ADE for review and consideration. Representative item types including items administered within the context of activities also were presented for consideration. Following discussion of the proposed blueprint and test structure, ADE approved the preliminary development of items. WestEd's development staff wrote and edited items and activities per the proposed blueprint. A content and bias committee composed of eleven educators reviewed and edited the newly developed items on January 12, 2012. The new items were pilot tested through an item tryout study conducted in January 2012.

### **3.3 Item Pilot Study**

The study was intended to address two questions 1) whether the developed KPT activities and items were feasible for use with a pre-kindergarten population to measure linguistic constructs for ELP, and 2) what an appropriate length of time would be for preschool children to complete the assessment tasks.

A total of 106 students enrolled in publicly funded preschools from school districts in Flagstaff, Paradise Valley, Phoenix, Scottsdale, Tempe, and Tucson and two Head Start programs in Phoenix participated in the study. ADE provided districts with an informed consent letter addressed to parents/guardians to seek permission for children to participate in the study. All interviews were conducted individually during school hours in the students' home schools. All test items were presented orally, and all directions, activities, stimuli, and items were provided in English only as required by state law. Directions and stimuli could be repeated or recast at the discretion of the researcher. To minimize the cognitive load on students and to shorten the testing time, each student was administered a subset of a complete form. A select number of students were administered all four activities to gauge whether the proposed complete assessment would be too taxing for students at this age.

The interview process involved a total of three WestEd researchers working with three staff members from ADE. Each of the sessions began with the researchers explaining that a new game was being developed and the students' assistance was sought. Each student was given a "game card" on which they could place stickers provided for participating in the study. The stickers were provided as a means to make the tryouts seem more like a game or classroom activity rather

than a formal assessment. All interviews were timed for length of administration and audio recorded for later review and analysis.

Item booklets were constructed and printed to support administration. A total of three booklets were created. Specifics regarding the activities presented in each booklet along with the findings of the study can be found in the *Report of Data Collection for the AZELLA Kindergarten Placement Test Item Tryout Study* found in Appendix E.

The item tryout study proved to be helpful in clarifying the language associated with some of items and/or considerations for how to reliably score the items. The vast majority of the tasks worked very well whereas others required minor revision. One task which called for students to distinguish between individual phonemes dictated by the administrator was found to be confusing for some of the students. These students raised their hand after they heard each of the three sounds rather than raising their hand to identify a specific phoneme. It was not possible to determine whether there was confusion about the direction to raise your hand or challenges in recognizing the sounds. As a consequence, this item type was not included in future development.

### 3.4 Field Test Form Construction

Based on the results of the item tryout study, the KPT Blueprint shown in Table 3.1 was developed to guide the selection of items for the Spring 2012 field test.

**Table 3.1: Kindergarten Placement Test Blueprint**

Activity	Content Descriptions
(1) Hello! Let's Play!	<b>A</b> Answering Social Questions <b>B</b> Expressing One's Thoughts <b>C</b> Following One-Step Directions <b>D</b> Following Two-Step Directions
(2) Picture Time!	<b>A</b> Naming Familiar Objects in a Picture <b>B</b> Adding Details to Drawings <b>C</b> Predicting a Story from a Book Cover <b>D</b> Sequencing Pictures About a Read Aloud
(3) Let's Talk!	<b>A</b> Repeating Words <b>B</b> Using Plural Words <b>C</b> Repeating Rhyming Words <b>D</b> Repeating Grammatical Structures in Sentences <b>E</b> Identifying Pictures with the Same First Sound
(4) Story Time!	<b>A</b> Listening to a Story and Answering Questions <b>B</b> Using Pictures to Retell a Story

The pilot items used in the item tryout study were revised based on the results of the study and an adequate number of additional items were developed to support the construction of two field test forms to be administered in the Spring of 2012 as part of the Field Test. Each form contained

a total of 38 items. Six items were designated as linking items and were common across the two forms.

The test books were designed to stand tent-like on a table between the test administrator the student. The administrator pages contained the directions for test administration and a script for the administrator to follow. Student facing pages contained the required test content or blank pages depending on the task. The field test administration required the spiral-bound Student and Test Administrator Test Book, the Administrator Response Sheet, a pen or pencil for scoring items, a laminated activity card, an erasable marker, a marker eraser or cloth, two types of stickers, an unsharpened wooden pencil, and a pencil box.



## Chapter 4. ITEM FIELD TEST

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Field testing for the AZELLA Stages I through V tests was split into two separate test administrations. The AZELLA field test was administered November 7–December 2, 2011, for Stages II–V and April 23–May 11, 2012, for Stage I. The Stage II–V field test included four AZELLA domains: Listening, Writing, Reading, and Speaking and the Stage I field test included Listening, Prereading, Prewriting, and Speaking. The KPT field test occurred from April 23 to May 11, 2012. The numbers of students who participated in the field tests for the Stages and the KPT are shown in Table 6.1 in Section 6.1.

### 4.1 Sampling

#### 4.1.1 Stages I through V

A sampling plan was created to select ELL students across the State of Arizona who would participate in the field test administration. The sampling plan specified the use of four field test forms at each Stage with a sample of 2500 ELL students and 500 (or 20 percent more) non-ELL students per form. The sampling was done at the school level rather than the individual student level because of the impracticality of administering different listening test forms in the same school. Charter schools were included in the sampling frame but Bureau of Indian Education schools were not. The remaining public schools were all eligible to be in the sample. The final spring 2010 school enrollment counts identified the number of ELL students that might be available for sampling in the 2011-2012 academic year and are shown in Table 4.1.

**Table 4.1: Estimated Number of ELL Students at Each Stage**

Stage	ELL Students
I	22723
II	26676
III	21087
IV	7204
V	5996

School enrollment counts were obtained from the final spring 2010 counts and used as estimates for the 2011-2012 year since it was necessary to make the sample assignments before final enrollment and student ELL status information for fall 2011 was available. The assumption was that the counts would not be significantly different from the previous year.

The sampling procedure consisted of two steps – one to select schools to test their ELL students, and another to select non-ELL students to test within the selected schools. In this way the non-ELL students in the sample were matched to the ELL students in that they attended the same school. Simple random assignment of schools to forms was used to select the ELL group. Each school selected would test all of its ELL students in the assigned test Stage(s) during the field

test. The numbers of students in the grades in each Stage were combined to produce the number of students per Stage in each school. Schools were then randomly ordered and each successive school in the list was assigned to a form until the desired number of ELL students had been assigned to the current form at each Stage. The number of non-ELL students that each school would test was computed as 20 percent of their number of ELL students. The assignment of schools to forms took place the first week of September 2011 before accurate individual student information was available. School enrollment data files with that information became available the second week of October, 2011. At that time, the non-ELL students for each school to test at each stage were randomly selected. The procedure was similar to that for assigning schools to forms. The non-ELL students within each Stage in each selected school were randomly ordered. Then students were successively selected from the list until the target number of non-ELL students for that school had been reached. Since the forms were assigned at the school level, non-ELL students were tested with the same form as the ELL students within each school.

Table 4.2 below shows the number of schools and students assigned to each school for each Stage. Approximately 10,000 ELL students and 2500 non-ELL students were to be tested from each stage. However, as Table 3.1 shows, there were only 7,204 and 5,996 ELL students in Stages IV and V for the 2010 school year. Because of these smaller numbers of ELL students at the upper stages, it was not possible to assign 2500 ELL students to each form. In these cases, the available number of ELL students was approximately equally distributed over the forms. Table 4.2 below shows the estimated number of schools, ELL students, non-ELL students, and total number of students selected for each form and Stage.

**Table 4.2: Estimated Number of Schools and Students Assigned to Each Form at Each Stage**

		<b>N Schools</b>	<b>ELL</b>	<b>Non- ELL</b>	<b>Total Students</b>
<b>Stage</b>	<b>Form</b>				
<b>I</b>	<b>1</b>	140	2502	647	3149
	<b>2</b>	133	2534	646	3180
	<b>3</b>	154	2508	657	3165
	<b>4</b>	137	2526	649	3175
	<b>Total</b>	564	10070	2599	12669
<b>II</b>	<b>Form</b>				
	<b>1</b>	94	2513	540	3053
	<b>2</b>	85	2514	543	3057
	<b>3</b>	99	2504	548	3052
	<b>4</b>	91	2509	538	3047
	<b>Total</b>	369	10040	2169	12209

		N Schools	ELL	Non- ELL	Total Students
III	Form				
	1	127	2529	560	3089
	2	109	2510	549	3059
	3	123	2521	554	3075
	4	136	2524	562	3086
	Total	495	10084	2225	12309
IV	Form				
	1	186	1820	455	2275
	2	180	1774	440	2214
	3	140	1810	428	2238
	4	155	1798	433	2231
	Total	661	7202	1756	8958
V	Form				
	1	65	1487	329	1816
	2	54	1529	328	1857
	3	63	1463	320	1783
	4	88	1490	334	1824
	Total	270	5969	1311	7280

#### 4.1.2 Kindergarten Placement Test

The target number of students for the KPT field test was 500 per form. There were two field test forms developed for the field test administration. Since the target population was a group of students who were about to enroll in a kindergarten, there was no data available to pre-select the sample to take the field test. Instead, the ADE sought volunteer schools that would potentially have students enrolled in the ELL program based on the primary home language survey. The ADE also sought volunteers who would be enrolled in the standard curriculum to participate in the field test administration. Sixteen districts, including 4 held by charter organizations, were recruited to participate. While these districts were mainly located in Maricopa County, an effort was made to include districts in both northern and southern Arizona, especially near large Indian Reservations and near the border with Mexico. The final set of districts included schools in five different counties.

#### 4.2 Item Field Test Administration

This section describes how the field tests were administered. It describes the administration procedures used to ensure that the field test administration was completed in a secure and

standardized manner. It also describes how the test administration for speaking was different from other domains.

#### 4.2.1 Stages I through V

To promote a standardized AZELLA test administration, the domains were administered in a prescribed order. The order of administration for Stages II-V was Listening, Writing, Reading, and Speaking. In response to feedback from the field test in the fall, the order of administration for Stage I was changed to Listening, Prereading, Prewriting, and Speaking.

Test administrators were instructed to administer the AZELLA field test in one or two days. Each domain was considered a testing session. In a two-day administration, Sessions 1, 2, and 3 were administered on the first day and Session 4 was administered on the second day.

Mandatory district test coordinator training was provided by the ADE and Pearson. After participating in the state mandated training, test coordinators provided training to all school test coordinators who then train the test administrators. Training covers topics such as test security and test administration procedures.

The following test materials were provided for the AZELLA field test administration:

**Table 4.3: Test Materials for AZELLA Field Test**

Stage	Test Book	Answer Document	Listening CD	Test Administrators Directions	Speaking Test Book
Stage I	√	N/A	√	√	√
Stage II	√	N/A	√	√	N/A
Stage III	√	√	√	√	N/A
Stage IV	√	√	√	√	N/A
Stage V	√	√	√	√	N/A

The AZELLA Test Administration Directions (TADs) were provided to all test administrators. The TAD included scripted directions to guide test administrators and students through the test administration in a secure and standardized manner.

The Listening domain required the use of an audio CD and CD player for both test administrations. The Listening CDs delivered directions, samples and test items for the Listening domain. The students responded to multiple choice questions in their student test book (Stages I and II) or answer document (Stages III-V).

The Reading and Writing or Prereading and Prewriting domains were delivered by the test administrator using scripted directions provided in the TAD. The Writing/Prewriting items included multiple choice and open ended items and the Reading/Prereading items were multiple choice only. Student responses were captured via the consumable student test book (Stages I-II) or the answer document (Stages III-V).

The Stage II-V AZELLA Speaking field test was delivered via speaker telephone using Pearson Knowledge Technologies' (Pearson KT) Versant platform. Test administrators would enter a unique Speaking test lithocode using the telephone key pad to call up the assigned form for each student. Student responses were captured electronically via the speaker telephone and transmitted back to Pearson for scoring. Stimuli related to the item prompts were included in the Speaking section of the student test book.

The Stage I AZELLA Speaking field test was administered using Pearson KT's Versant platform. For the Stage I AZELLA Speaking field test, districts were given the option to administer the test via speaker telephone using the Speaking test book, or online using Pearson KT's computer delivered test (CDT). For tests delivered on CDT, no Speaking test book was used. Images related to each Speaking test item appeared on screen for the student. Students testing on the CDT used headsets with microphones to listen and respond to the Speaking prompts. A discussion of a comparison of the results from the telephone and computer administered speaking platforms is provided in Section 5.5.

#### **4.2.2 Kindergarten Placement Test**

The field test for the AZELLA KPT was performed during the period from April 24 through May 11, 2012. In order to include students who were appropriate ages for this kindergarten entry test, two groups of students were identified for participation in the field test. The first group included pre-school students who were at the end of the school year and would be entering kindergarten in the fall. The second group was students who were identified through early registration activities as incoming kindergarten students. Students of this age do not fall under the legal authority of ADE, so it was not possible to require participation in the field test. It was determined that ADE would solicit geographically and demographically representative districts to participate. To encourage participation, districts were offered the choice of a financial stipend for their testing or the opportunity for ADE staff to administer the test at their respective sites.

ADE contacted over thirty districts based on the access that districts had to preschool-aged children. Sixteen districts agreed to participate. A variety of urban and rural regions were represented including Maricopa, Cochise, Pima, Yuma, and Coconino counties. The targeted participating districts tested students in federally funded Title I pre-kindergarten classrooms, private pre-school programs, and/or have collaborated with Head Start pre-school classrooms that are located within the district sites. The participating districts also tested children who were not already enrolled in a pre-kindergarten classroom but were identified through pre-enrollment activities.

The students included in the sample were given a home language survey (PHLOTE) prior to testing. The goal was to include students who were identified as having a primary home language other than English and those who were native English speakers. Based on the three PHLOTE questions, 612 students were identified as having a home language other than English and 371 were identified as native English speakers. A total of 983 students were tested.

All state and district personnel who administered the test attended a required training session. The goal of the training was to ensure the uniform administration of the KPT field test. In-person training was provided in two sessions at ADE's Jefferson facility. Upon successful completion of the training each administrator was assigned a unique qualification identification number which was captured on each test they administered. As was to become the standard procedure with AZELLA placement tests in Arizona, administrators used a KPT Student Response Sheet for each student to record the point values on each item on the assessment. For the field test, the Student Response Sheets were then sent from the districts directly to Pearson where the raw item-scores, as well as all other pertinent information for the students, were key-entered into an on-line application. For operational AZELLA placement tests, it has become the responsibility of the districts to enter this information into the PearsonAccess application.

## **Chapter 5.      SCORING OF OPEN ENDED ITEMS**

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The AZELLA assessments contains Writing items that prompt students to write a short answer or extended response (i.e., an essay) and Speaking items that prompt students to orally generate a short answer. Such items are called open ended items. This chapter describes the procedures used by the Pearson Performance Scoring Center to score the Writing and Speaking items and the procedures use by Pearson Knowledge Technologies for automated scoring of the Speaking items for the Stages I though V tests. All open ended items in the KPT are scored by the test administrator during testing.

### **5.1    Human Scoring of Writing and Speaking Items**

The open ended items are scored by professionally trained scorers. The procedure for scoring these types of items used by the Pearson Performance Scoring Center (PSC) is described in this section.

#### **5.1.1   Scoring Process**

Outlined below is the scoring process that the AZELLA testing contractor follows. During the field test, both AZELLA writing and speaking items are scored at a regional site. This procedure was used to score all open ended items for the AZELLA Field Test assessments.

#### **5.1.2   Recruiting and Training Scorers**

Highly qualified scorers are essential to achieving and maintaining a high degree of reliability in scoring students' responses. Thus, the careful selection of professional scorers to evaluate student responses to the open ended items is critical in scoring the AZELLA assessments. Scorers are recruited by the Pearson Human Resources department and must have extensive experience scoring this type of writing and speaking on previous projects. Scorers must also have performed well based on internal quality metrics of inter-rater reliability and validity to have achieved a high enough performance rating on previous writing and speaking type responses to be recruited for the AZELLA assessment. Included in the scorer pool is a core group of veteran scorers with experience in working on other ELL projects whose insight, flexibility, and dedication have been demonstrated while working on a range of performance assessments.

Scoring supervisors are chosen from the pool of scorers based on demonstrated expertise in all facets of the scoring process, including strong organizational abilities and training skills. Individuals chosen to perform these assignments possess practical skills, leadership abilities, and sensitivity to interpersonal communication requirements. Supervisors also possess the essential capability of assimilating and helping scorers understand the particular scoring requirements of the AZELLA.

Upon being hired, scorers sign a confidentiality agreement in which they pledge to keep all information and student responses confidential. Scorers and scoring supervisors are trained to thoroughly learn the rubric and score responses according to the scoring guidelines developed for the AZELLA assessment.

At the beginning of each scoring project, all scoring supervisors and scorers assigned to the project must complete project-specific training consisting of a review of the rubric and prompts

for the items being scored. Sample student responses may be used to aid in the training for individual items.

### **5.1.3 Training**

Thorough training is vital to the successful completion of any scoring. PSC content specialists and scoring directors follow a series of prescribed steps to ensure training is consistent and of the highest quality. The PSC staff develops its training materials to facilitate learning through visual, auditory and kinesthetic channels. The training for AZELLA is conducted using online modules designed to take scorers through the background of the assessment and through the rubric and anchor sets for each item. Scorers are then required to take two sets of practice papers and two sets of qualification papers once they complete the item specific modules. Once the scorer completes training on both the rubric and prompt for a specific item, the scorer is then allowed to score live responses for that item. There are different scoring rubrics for the different item types on the AZELLA.

Prior to scorer training, the PSC subject leaders conduct scoring supervisor training. A primary goal of this session is to ensure scoring supervisors clearly understand the scoring rubrics for the stage they are assigned. This ensures all responses are scored in a manner consistent with the intentions of ADE. Scoring supervisors read and discuss the assessment items along with the rubrics used to score them.

After presentation and discussion of the items and rubrics, each scorer may be shown a selected set of sample responses for the items which represent each score point and are used during training to help scorers become familiar with applying the rubric. Training is a continuous process, and scorers are consistently given feedback as they score.

### **5.1.4 Quality Control**

A variety of reports are produced throughout the scoring process to allow scoring supervisory staff to monitor the progress of the project, the reliability of scores assigned, and individual scorers' work. Those reports include:

- **Daily and Cumulative Inter-Rater Reliability Reports by Item and Scorer.** These reports provide information about how many times scorers were in exact agreement or assigned adjacent scores. The reliability is computed and is monitored daily and cumulatively for the project.
- **Daily and Cumulative Frequency Distributions.** These reports show how many times each score point has been assigned to the item being scored by readers. The frequency distributions are produced both on a daily basis and cumulatively for the entire scoring project. This report allows scoring supervisors and scoring directors to see whether scorers have a tendency to score consistently high or low.

The most immediate method of monitoring a scorer's performance is through backreading by scoring supervisors. If a scoring supervisor discovers that a scorer is consistently assigning scores other than those the scoring supervisor would assign, he or she can send a message to that scorer using the backreading function and through the instant messaging system in the ePEN scoring system.



With the help of the individual scorer reliability metrics and through backreading, the scoring staff can closely monitor each scorer's performance. As a field test, scorers are only monitored for quality using IRR and backreading. They also may be monitored using the scorer exception process for scoring rate. Criteria may be entered into the ePEN scoring system for scoring rate. A scorer must meet and maintain the quality metrics established for AZELLA in the designated area in order to continue scoring the project. If a scorer fails to meet scoring rate, they may receive up to three warnings before being locked out of the ePEN system. The scoring staff will then determine if the scorer will be unlocked and allowed to continue scoring.

Scorers who have low IRR or a lower or higher than desired scoring rate are closely monitored in backreading and through reports. If in the opinion of the Scoring Director and Content Specialist, these scorers are still performing below acceptable standard after receiving sufficient feedback and given every reasonable opportunity to improve; they will be manually locked out of the system and notified by email that they are dismissed from the project.

### **5.1.5 Security**

To ensure security is never compromised, the following safeguards are employed:

- No scorers are hired who reside in Arizona as per contract requirement.
- Scorers and scoring staff personnel must sign a non-disclosure and confidentiality form in which they agree not to use or divulge any information concerning the tests.

Any contact with the press is handled through ADE.

### **5.1.6 Interrater Reliability**

For open ended items, the consistency with which two raters assign scores to student responses is typically determined by inter-rater agreement. Such items include short answer writing items, extended response writing items, oral reading items, and speaking short answer items. The Speaking repeat items were excluded from the analysis because the items were scored holistically only by the trained scoring engine. In scoring these types of items, each student response was randomly assigned to a rater. Twenty-five percent of the student responses were scored by a second rater. Because different raters scored different responses, the inter-rater statistics computed in this instance did not measure the degrees of agreement or disagreements between the same two raters across the entire set of responses. Therefore, it is more accurate to describe the inter-rater agreement reported in this section as inter-rater position reliability.

Twenty-five percent of the student responses were randomly selected and scored by a second rater to reduce rater drift and allow measures of rater agreement to be estimated. The statistics provided in Table 5.1 through Table 5.13 were calculated using the scores from both raters for the 25 percent of the responses that were scored twice.

Cohen's kappa and intraclass correlation are provided as indices of agreement between the first and second rating.

Cohen's kappa (Cohen, 1960) is commonly used to summarize the agreement between raters corrected for chance agreement and is computed as (Brennan & Prediger, 1981):

$$\kappa = \frac{\sum P_{ii} - \sum P_{i.}P_{.i}}{1 - \sum P_{i.}P_{.i}},$$

where  $\sum P_{ii}$  is the observed proportion of agreement and  $\sum P_{i.}P_{.i}$  is the chance proportion of agreement.

The Intraclass correlation is defined by Shrout and Fleiss (1979) as “the correlation between one measurement on a target and another measurement obtained on that target.” In the context of the AZELLA field tests, the “target” is the student response, and each measurement was obtained by a randomly assigned rater to that response. Therefore,  $ICC(1,1)$  was used to estimate intraclass correlation.  $ICC(1,1)$  is estimated as (Shrout & Fleiss, 1979):

$$ICC(1,1) = \frac{BMS - WMS}{BMS + (k - 1)WMS},$$

where  $BMS$  = between-targets mean square,  $WMS$  = within-targets mean square, and  $k$  = the number of raters rating each target.

The interrater reliability coefficients described above are summarized by stage and domain in Table 5.1 through Table 5.13.

**Table 5.1: Interrater Reliability Statistics for Items in Prewriting on Stage I**

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
50	J	SA2	2	0.83	0.88
51	J	SA2	2	0.46	0.52
52	J	SA2	2	0.64	0.66
53	J	SA2	2	0.56	0.57
54	J	SA2	2	0.92	0.94
55	J	SA2	2	0.60	0.62
55	K	SA2	2	0.66	0.70
55	L	SA2	2	0.63	0.65
55	M	SA2	2	0.63	0.64
56	J	SA2	2	0.88	0.93
57	J	SA2	2	0.89	0.94
58	J	SA2	2	0.84	0.92
59	J	SA1	1	0.94	0.94
59	K	SA1	1	0.97	0.97
59	L	SA1	1	0.96	0.96
59	M	SA1	1	0.92	0.92
60	J	SA1	1	0.96	0.96
61	J	SA1	1	0.94	0.94
62	J	SA2	2	0.85	0.91
63	J	SA2	2	0.76	0.85
63	K	SA2	2	0.71	0.83
63	L	SA2	2	0.70	0.82
63	M	SA2	2	0.72	0.83
64	J	SA3	3	0.55	0.75
65	J	SA3	3	0.59	0.76
65	K	SA3	3	0.53	0.69
65	L	SA3	3	0.52	0.69
65	M	SA3	3	0.54	0.71
66	K	SA2	2	0.56	0.59
67	K	SA2	2	0.28	0.35
68	K	SA2	2	0.71	0.72
69	K	SA2	2	0.71	0.71
70	K	SA2	2	0.93	0.96
71	K	SA2	2	0.89	0.93
72	K	SA2	2	0.92	0.97
73	K	SA2	2	0.86	0.93
74	K	SA1	1	0.95	0.95
75	K	SA1	1	0.95	0.95
76	K	SA2	2	0.74	0.84
77	K	SA3	3	0.58	0.75
78	L	SA2	2	0.58	0.60
79	L	SA2	2	0.50	0.57
80	L	SA2	2	0.61	0.63
81	L	SA2	2	0.71	0.71
82	L	SA2	2	0.82	0.89
83	L	SA2	2	0.89	0.92
84	L	SA2	2	0.95	0.97
85	L	SA2	2	0.89	0.95
86	L	SA1	1	0.94	0.94
87	L	SA1	1	0.95	0.95
88	L	SA2	2	0.74	0.83
89	L	SA3	3	0.53	0.73
90	M	SA2	2	0.64	0.74
91	M	SA2	2	0.55	0.57
92	M	SA2	2	0.57	0.59
93	M	SA2	2	0.57	0.57
94	M	SA2	2	0.87	0.92

**Table 5.1: Interrater Reliability Statistics for Items in Prewriting on Stage I**

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
95	M	SA2	2	0.87	0.93
96	M	SA2	2	0.85	0.91
97	M	SA2	2	0.89	0.94
98	M	SA1	1	0.95	0.95
99	M	SA1	1	0.98	0.98
100	M	SA2	2	0.70	0.81
101	M	SA3	3	0.50	0.69

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 5.2: Interrater Reliability Statistics for Items in Speaking on Stage I**

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
140	J	SA1	1	0.32	0.32
141	J	SA1	1	0.88	0.88
142	J	SA1	1	0.60	0.61
143	J	SA2	2	0.58	0.74
143	K	SA2	2	0.59	0.73
143	L	SA2	2	0.61	0.73
143	M	SA2	2	0.62	0.77
144	J	SA2	2	0.49	0.66
145	J	SA1	1	0.79	0.79
145	K	SA1	1	0.82	0.82
145	L	SA1	1	0.73	0.73
145	M	SA1	1	0.79	0.79
146	J	SA1	1	0.82	0.82
147	J	SA1	1	0.88	0.88
148	J	SA2	2	0.60	0.76
148	K	SA2	2	0.66	0.81
148	L	SA2	2	0.56	0.70
148	M	SA2	2	0.63	0.77
149	J	SA2	2	0.64	0.79
150	K	SA1	1	0.62	0.62
151	K	SA1	1	0.85	0.85
152	K	SA1	1	0.53	0.53
153	K	SA2	2	0.54	0.69
154	K	SA1	1	0.89	0.89
155	K	SA1	1	0.81	0.81
156	K	SA2	2	0.57	0.75
157	L	SA1	1	0.64	0.64
158	L	SA1	1	0.93	0.93
159	L	SA1	1	0.69	0.69
160	L	SA2	2	0.58	0.74
161	L	SA1	1	0.85	0.85
162	L	SA1	1	0.70	0.70
163	L	SA2	2	0.59	0.77
164	M	SA1	1	0.58	0.58
165	M	SA1	1	0.91	0.91
166	M	SA1	1	0.70	0.70
167	M	SA2	2	0.61	0.75
168	M	SA1	1	0.79	0.79
169	M	SA1	1	0.83	0.83
170	M	SA2	2	0.59	0.75

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 5.3: Interrater Reliability Statistics for Items in Reading on Stage II**

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
189	J	SA1	1	0.59	0.59
189	K	SA1	1	0.70	0.70
189	L	SA1	1	0.62	0.62
189	M	SA1	1	0.66	0.66
191	J	SA3	3	0.64	0.83
191	K	SA3	3	0.62	0.86
191	L	SA3	3	0.63	0.85
191	M	SA3	3	0.65	0.87
192	J	SA1	1	0.69	0.69
193	J	SA1	1	0.56	0.56
202	J	SA3	3	0.74	0.88
203	J	SA3	3	0.71	0.89
204	K	SA1	1	0.71	0.71
212	K	SA3	3	0.75	0.91
213	K	SA3	3	0.74	0.90
214	K	SA3	3	0.71	0.88
215	L	SA1	1	0.70	0.70
216	L	SA1	1	0.70	0.70
224	L	SA3	3	0.67	0.87
225	L	SA3	3	0.71	0.88
226	M	SA1	1	0.70	0.70
234	M	SA3	3	0.68	0.89
235	M	SA3	3	0.69	0.88
236	M	SA3	3	0.86	0.95

Note: SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 5.4: Interrater Reliability Statistics for Items in Writing on Stage II**

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
126	J	ER	5	0.48	0.81
126	K	ER	5	0.44	0.76
126	L	ER	5	0.38	0.75
126	M	ER	5	0.43	0.76
127	J	ER	5	0.34	0.70
128	J	ER	5	0.40	0.74
129	K	ER	5	0.37	0.75
130	K	ER	5	0.46	0.79
131	L	ER	5	0.40	0.76
132	L	ER	5	0.51	0.79
133	M	ER	5	0.47	0.76
134	M	ER	5	0.41	0.76

Note: ER=Extended Response Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 5.5: Interrater Reliability Statistics for Items in Speaking on Stage II**

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
190	J	SA4	4	0.50	0.74
190	K	SA4	4	0.57	0.85
190	L	SA4	4	0.55	0.81
190	M	SA4	4	0.57	0.86
194	J	SA4	4	0.65	0.91
194	K	SA4	4	0.76	0.91
194	L	SA4	4	0.67	0.93
194	M	SA4	4	0.72	0.92
195	J	SA4	4	0.42	0.75
196	J	SA4	4	0.68	0.91
197	J	SA4	4	0.50	0.73
198	J	SA4	4	0.43	0.75
199	J	SA2	2	0.67	0.81
200	J	SA4	4	0.62	0.72
201	J	SA4	4	0.46	0.78
205	K	SA4	4	0.70	0.90
206	K	SA4	4	0.45	0.79
207	K	SA2	2	0.63	0.80
208	K	SA2	2	0.65	0.82
209	K	SA4	4	0.61	0.72
210	K	SA4	4	0.64	0.75
211	K	SA4	4	0.63	0.82
217	L	SA4	4	0.70	0.91
218	L	SA4	4	0.47	0.81
219	L	SA4	4	0.56	0.82
220	L	SA2	2	0.68	0.84
221	L	SA2	2	0.67	0.83
222	L	SA4	4	0.61	0.77
223	L	SA4	4	0.58	0.76
227	M	SA4	4	0.76	0.93
228	M	SA4	4	0.47	0.80
229	M	SA4	4	0.49	0.80
230	M	SA2	2	0.59	0.79
231	M	SA4	4	0.72	0.82
232	M	SA4	4	0.62	0.80
233	M	SA4	4	0.58	0.80

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 5.6: Interrater Reliability Statistics for Items in Reading on Stage III**

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
100	J	SA1	1	0.66	0.66
100	K	SA1	1	0.63	0.63
100	L	SA1	1	0.61	0.61
100	M	SA1	1	0.57	0.57
101	J	SA1	1	0.69	0.69
101	K	SA1	1	0.62	0.63
101	L	SA1	1	0.65	0.65
101	M	SA1	1	0.67	0.67
102	J	SA1	1	0.80	0.80
103	J	SA1	1	0.39	0.39
104	J	SA1	1	0.81	0.81
105	J	SA1	1	0.75	0.75
106	K	SA1	1	0.69	0.69
107	K	SA1	1	0.54	0.54
108	K	SA1	1	0.82	0.82
109	K	SA1	1	0.57	0.58
110	L	SA1	1	0.47	0.47
111	L	SA1	1	0.36	0.36
112	L	SA1	1	0.75	0.75
113	L	SA1	1	0.61	0.61
114	M	SA1	1	0.72	0.72
115	M	SA1	1	0.41	0.42
116	M	SA1	1	0.63	0.63
117	M	SA1	1	0.68	0.68

Note: SA1=1 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 5.7: Interrater Reliability Statistics for Items in Writing on Stage III**

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
160	J	ER	5	0.41	0.71
160	K	ER	5	0.43	0.72
160	L	ER	5	0.48	0.72
160	M	ER	5	0.56	0.81
161	J	ER	5	0.43	0.68
162	J	ER	5	0.46	0.72
163	K	ER	5	0.48	0.71
164	K	ER	5	0.57	0.81
165	L	ER	5	0.62	0.84
166	L	ER	5	0.52	0.79
167	M	ER	5	0.58	0.79
168	M	ER	5	0.56	0.82

Note: ER=Extended Response Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 5.8: Interrater Reliability Statistics for Items in Speaking on Stage III**

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
208	J	SA4	4	0.33	0.65
208	K	SA4	4	0.50	0.74
208	L	SA4	4	0.48	0.71
208	M	SA4	4	0.51	0.76
209	J	SA4	4	0.41	0.79
209	K	SA4	4	0.40	0.75
209	L	SA4	4	0.32	0.70
209	M	SA4	4	0.52	0.75
210	J	SA4	4	0.48	0.71
211	J	SA4	4	0.40	0.64
212	J	SA4	4	0.45	0.72
213	J	SA4	4	0.53	0.81
214	J	SA4	4	0.36	0.71
215	J	SA4	4	0.35	0.66
216	J	SA4	4	0.41	0.75
217	J	SA4	4	0.44	0.71
218	K	SA4	4	0.47	0.72
219	K	SA4	4	0.35	0.64
220	K	SA4	4	0.61	0.84
221	K	SA4	4	0.59	0.84
222	K	SA4	4	0.33	0.71
223	K	SA4	4	0.51	0.80
224	K	SA4	4	0.61	0.82
225	K	SA4	4	0.68	0.88
226	L	SA4	4	0.40	0.65
227	L	SA4	4	0.49	0.76
228	L	SA4	4	0.60	0.82
229	L	SA4	4	0.65	0.83
230	L	SA4	4	0.45	0.79
231	L	SA4	4	0.53	0.76
232	L	SA4	4	0.53	0.82
233	L	SA4	4	0.55	0.79
234	M	SA4	4	0.42	0.65
235	M	SA4	4	0.65	0.83
236	M	SA4	4	0.64	0.86
237	M	SA4	4	0.61	0.83
238	M	SA4	4	0.50	0.82
239	M	SA4	4	0.47	0.66
240	M	SA4	4	0.54	0.79
241	M	SA4	4	0.52	0.70

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table 5.9: Interrater Reliability Statistics for Items in Reading on Stage IV**

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
92	J	SA1	1	0.56	0.56
92	L	SA1	1	0.69	0.69
93	J	SA1	1	0.62	0.62
94	K	SA1	1	0.62	0.62
94	M	SA1	1	0.59	0.59
95	K	SA1	1	0.55	0.55
96	L	SA1	1	0.48	0.48
97	M	SA1	1	0.72	0.72

Note: SA1=1 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 5.10: Interrater Reliability Statistics for Items in Writing on Stage IV**

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
161	J	ER	5	0.58	0.84
161	K	ER	5	0.50	0.76
161	L	ER	5	0.55	0.86
161	M	ER	5	0.63	0.89
162	J	ER	5	0.53	0.81
163	J	ER	5	0.57	0.80
164	K	ER	5	0.60	0.82
165	K	ER	5	0.58	0.84
166	L	ER	5	0.61	0.85
167	L	ER	5	0.61	0.83
168	M	ER	5	0.52	0.78
169	M	ER	5	0.63	0.83

Note: ER=Extended Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 5.11: Interrater Reliability Statistics for Items in Speaking on Stage IV**

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
216	J	SA4	4	0.46	0.72
216	K	SA4	4	0.57	0.74
216	L	SA4	4	0.60	0.80
216	M	SA4	4	0.50	0.74
217	J	SA4	4	0.72	0.88
218	J	SA4	4	0.44	0.74
219	J	SA4	4	0.43	0.71
220	J	SA4	4	0.43	0.77
221	K	SA4	4	0.39	0.71
222	K	SA4	4	0.57	0.81
223	K	SA4	4	0.51	0.75
224	K	SA4	4	0.33	0.66
225	L	SA4	4	0.41	0.69
226	L	SA4	4	0.36	0.66
227	L	SA4	4	0.58	0.82
228	L	SA4	4	0.49	0.81
229	M	SA4	4	0.55	0.85
230	M	SA4	4	0.41	0.80
231	M	SA4	4	0.43	0.79
232	M	SA4	4	0.41	0.78
233	J	SA4	4	0.62	0.92
233	K	SA4	4	0.55	0.89
233	L	SA4	4	0.48	0.86
233	M	SA4	4	0.60	0.91
234	J	SA4	4	0.50	0.83
235	J	SA4	4	0.53	0.83
236	J	SA4	4	0.43	0.75
237	K	SA4	4	0.64	0.80
238	K	SA4	4	0.43	0.79
239	K	SA4	4	0.34	0.78
240	L	SA4	4	0.41	0.82
241	L	SA4	4	0.45	0.82
242	L	SA4	4	0.35	0.78
243	M	SA4	4	0.42	0.76
244	M	SA4	4	0.43	0.80
245	M	SA4	4	0.47	0.78

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 5.12: Interrater Reliability Statistics for Items in Writing on Stage V**

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
174	J	ER	5	0.48	0.83
174	K	ER	5	0.53	0.88
174	L	ER	5	0.52	0.84
174	M	ER	5	0.50	0.85
175	J	ER	5	0.31	0.69
176	J	ER	5	0.40	0.78
177	K	ER	5	0.42	0.84
178	K	ER	5	0.53	0.88
179	L	ER	5	0.45	0.81
180	L	ER	5	0.54	0.87
181	M	ER	5	0.49	0.83
182	M	ER	5	0.52	0.86

Note: ER=Extended Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 5.13: Interrater Reliability Statistics for Items in Speaking on Stage IV**

Item	Form	Item Type	Max	Kappa	Intraclass Correlation
229	J	SA4	4	0.40	0.66
229	K	SA4	4	0.49	0.82
229	L	SA4	4	0.44	0.72
229	M	SA4	4	0.54	0.81
230	J	SA4	4	0.62	0.87
230	K	SA4	4	0.61	0.91
230	L	SA4	4	0.60	0.88
230	M	SA4	4	0.67	0.93
231	J	SA4	4	0.37	0.67
232	J	SA4	4	0.45	0.79
233	J	SA4	4	0.57	0.85
234	J	SA4	4	0.54	0.84
235	J	SA4	4	0.47	0.81
236	J	SA4	4	0.58	0.86
237	K	SA4	4	0.57	0.86
238	K	SA4	4	0.64	0.91
239	K	SA4	4	0.63	0.89
240	K	SA4	4	0.51	0.83
241	K	SA4	4	0.62	0.89
242	K	SA4	4	0.71	0.89
243	L	SA4	4	0.51	0.73
244	L	SA4	4	0.64	0.86
245	L	SA4	4	0.62	0.89
246	L	SA4	4	0.58	0.85
247	L	SA4	4	0.51	0.82
248	L	SA4	4	0.55	0.84
249	L	SA4	4	0.55	0.78
250	M	SA4	4	0.52	0.75
251	M	SA4	4	0.53	0.82
252	M	SA4	4	0.50	0.85
253	M	SA4	4	0.68	0.89
254	M	SA4	4	0.59	0.87
255	M	SA4	4	0.63	0.85
256	J	SA4	4	0.60	0.88
256	K	SA4	4	0.71	0.93
256	L	SA4	4	0.64	0.91
256	M	SA4	4	0.68	0.92
257	J	SA4	4	0.69	0.93
258	K	SA4	4	0.62	0.90
259	M	SA4	4	0.54	0.83

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

## 5.2 Automated Scoring of Speaking Items

This section describes how speaking repeat items were scored. It includes information about what type of items were scored and how the scoring rubrics were developed. It also describes how the scoring engine was trained. It provides information about the reliability and validity of machine scoring.

### 5.2.1 Overview

A machine algorithm scores both the content (what was said) and the manner of the students' responses (how it was said). The machine scoring methods are based on algorithms and procedures from automatic speech recognition, speech processing, statistical modeling, linguistics, Latent Semantic Analysis, and machine learning. Pearson's patented technology uses

a speech processing method that is built to handle different rhythms and varied pronunciations used by native English speakers and English learners. In addition to recognizing the words that were uttered, the system also aligns the speech signal, i.e., it locates the part of the signal containing relevant segments, syllables, and words to the hypothesized response. This allows the system to assign independent scores based on the content of what is said and on the manner in which it is said. Thus, the system is able to generate scores based on the words used in the spoken responses (the “content”), as well as the pace, fluency, and pronunciation of those words in phrases and sentences (the “manner”). Base measures are then derived from the linguistic units (segments, syllables, words), as analyzed by statistical models built from native and learner speaker performances.

Each AZELLA speaking item has one holistic score. Different features derived from speech were used to predict the final human holistic score. Oral Reading items, such as syllabification and wordlist, are separated from the calculation of the speaking domain score. The analysis for these Oral Reading items was conducted separately.

### **5.2.2 Acoustic models**

An acoustic model was tailored to the AZELLA’s younger population of test-takers. The model used for speech recognition was trained on all transcriptions we collected for the AZELLA project. The training set was enlarged by adding transcriptions from other junior English projects Pearson had conducted internally. The goal was to build a robust speech recognition model for young children’s oral responses. The final model used around 360 hours of data.

For machine scoring purposes, a native acoustic model was also needed. At the time of the acoustic model training, the demographic information for test-takers was not available. Pearson hired human raters to classify Stage II test-takers into native vs. non-native groups by listening to their speech. There were 287 test-takers in Stage II identified as native. Transcriptions from these 287 subjects plus the native transcriptions Pearson used for building Versant Junior English tests were used to build a native acoustic model for the grading. It is important to note that this categorization of native vs. non-native was rough, due to the lack of available demographic information at the time of initial training. The acoustic model was enhanced by using the real demographic information before the operational testing started.

### **5.2.3 Content modeling**

#### **Non-repeat items**

The content score component indicates how well the test-taker understood the prompt and could respond with appropriate linguistic content. For non-repeat items, a holistic score for each response was produced by using an adapted form of Latent Semantic Analysis. These responses are scored by scaling the weighted sum of the occurrence of a large set of expected words and word sequences that may be recognized in the spoken response. Weights are assigned to the expected words and word sequences according to their semantic relation to the good responses using a method similar to Latent Semantic Analysis.

#### **Repeat items**

For sentence repetition items, the recognized string produced by the augmented speech recognizer was compared to the word string in the prompt. The number of word errors was calculated as the minimum number of substitutions, deletions, and/or insertions required to find a

best string match in the response. This matching algorithm ignores hesitations and filled or unfilled pauses, as well as any leading or trailing material in the response. A verbatim repetition would have zero word errors. For every repeat response, the percentage of words read correctly (percent correct) from automated speech recognition was then calculated as the Repeat Accuracy score.

### **Oral reading items**

For Oral Reading items such as syllabification and wordlist-reading in Stage III, IV, there was a binary score (0,1) based on the occurrence of the correct sequence of syllables or words. Stage II wordlist-reading items were 3-point items, for which the number of words that were read correctly were counted.

## **5.2.4 Manner modeling**

### **5.2.4.1 Fluency**

Phoneme level duration statistics help to predict test-takers' performance in fluency. It measures if test-takers produce the correct duration for different phonemes.

Duration statistics from native speakers were used to compute the log likelihood for durations of phonemes produced by test-takers. If enough samples for a phoneme in a specific word existed, a unique duration model was built for this phoneme in a given context. Special attention was paid to the pauses produced by candidates and a separate predictor was computed based on them. The duration statistics models used for this report were built from native data from the Versant Junior English Test. The native responses were run through speech recognition and accumulated duration data for every phoneme. The statistics of the phoneme durations of native responses were stored as non-parametric cumulative density functions (CDFs).

In developing the CDFs, when the duration probability for a phoneme produced by a new native speaker was computed, a check was performed to see if there was the specific CDF model with the corresponding word first. If a model for the word in context could not be found, the phoneme duration without context was used. Given a sequence of phonemes in a recognized response  $p_i$ ,  $i = 1...N$ , and their corresponding durations  $D_i$ , the log likelihood segmental probability for phonemes ( $log\_seg\_prob$ ) was computed as:

$$log\_seg\_prob = \frac{1}{n-2} \sum_{i=2}^{n-1} \log(\Pr(D_i))$$

where  $\Pr(D_i)$  was the probability that a native would produce phoneme  $p_i$  with the observed duration  $D_i$  in the context found. The first and last phonemes in the response were not used for the calculation of the  $log\_seg\_prob$  because durations of these phonemes were unstable as measured by speech recognition.

The log likelihood segmental probability for inter-word silence durations,  $iw\_log\_seg\_prob$ , was calculated the same way, i.e., given a sequence of inter-word silences  $s_i$ ,  $i = 1...M$ , and their durations  $D_i$ :

$$iw\_log\_seq\_prob = \frac{1}{M} \sum_{i=1}^M \log(\Pr(D_i))$$

where  $\Pr(D_i)$  was the probability that a native would produce inter-word silence  $s_i$  with the observed duration  $D_i$ .

#### 5.2.4.2 Pronunciation

Pronunciation was measured by computing spectral likelihood features. These features were based on native and non-native acoustic models built for segmental alignment. The utterance to the word string from the recognized sentence was force aligned using the native acoustic model. Then the acoustic log likelihood, duration, and time boundaries for every phoneme was reviewed.

#### 5.2.5 Final model for holistic scores

Features derived from content modeling can effectively define content scores based on what is spoken by test-takers. Features derived from manner modeling can effectively measure both the rhythmic and segmental aspects of the performance by comparing them to how likely it would be for the observed base physical measures to have been produced by native speakers. By combining these features together, a prediction with a relatively high level of accuracy was made concerning the human's holistic scores assigned by human raters. Then multiple linear regressions and other related models were used to obtain the results discussed in the following sections.

#### 5.2.6 Validation Results

##### 5.2.6.1 Reliability

Before score analysis, a check was made on the internal consistency of the test by computing the Cronbach  $\alpha$  (Cronbach, 1951) for both human scores and machine scores. Table 5.14 is a summary of results for each Stage.

**Table 5.14: Cronbach alpha across Stages**

Stage	Human Cronbach alpha	Machine Cronbach alpha
I	0.98	0.99
II	0.99	0.99
III	0.96	0.94
IV	0.95	0.94
V	0.96	0.95
Average	0.97	0.96

##### 5.2.6.2 Test-Level Score

The calculation of test-level speaking scores excluded Oral Reading items. The analyses on the Oral Reading items were conducted and presented separately. The various machine scored components of speech described above were combined into a final holistic score on a continuous scale for each test item. This is true regardless of the number of points assigned to each item by human scorers based on the scoring rubric. These continuous holistic scores were then converted to discreet numeric scores that match the scoring rubric.

To generate a test-level speaking score (a participant-level speaking domain score), a repeat holistic score and a non-repeat holistic score were first produced, which were then summed to arrive at a test-level speaking score.

For every non-repeat item, one holistic score was generated that accounted for response content, pronunciation, and fluency. The final non-repeat holistic scores at the participant level were the simple average from the corresponding item level scores, which had been converted to discrete score scale of the scoring rubric.

For every repeat item, scores for three traits were generated: Pronunciation, Fluency, and Accuracy. The holistic score for a repeat response equals to  $(50\% * \text{Accuracy} + 25\% * \text{Pronunciation} + 25\% * \text{Fluency})$ . The final holistic repeat score was the simple average of the 10 repeat items.

To ensure that the weights of repeat items and non-repeat items in the total speaking score conformed to the specification for the relative weight of the two types of items in the preliminary test blueprints, the non-repeat score and the repeat score were converted to the total number of points specified for each type of item in the test blueprint. The final test-level speaking domain score was the sum of these two item type specific scores.

#### *Test-Level Speaking Score*

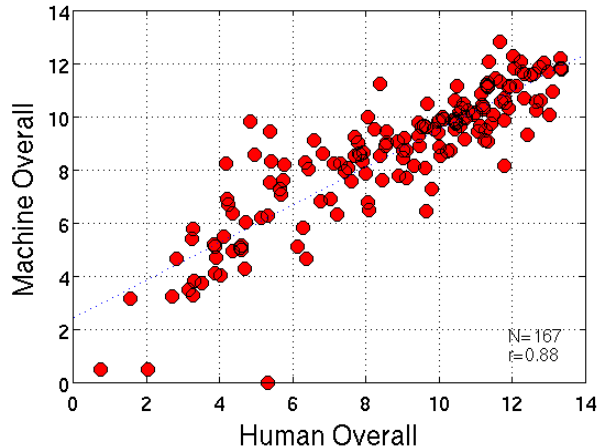
Using the method specified above, a test-level speaking domain score was calculated for each test-taker in a pre-designated validation dataset (separate from the development dataset that was used to train the scoring engine). For each item, there were two (or more) human scores and one machine score. In order to evaluate the performance of the machine scoring method, for each Stage the correlation between the two human scores was computed. The correlation between the machine score and the average human score for each Stage was then computed, on the assumption that the average of the two human scores is a more accurate reflection of a test-taker's ability. The results are summarized in Table 5.15.

**Table 5.15: Human-Human Correlation and Machine-Human Correlation for Test-level Holistic Scores**

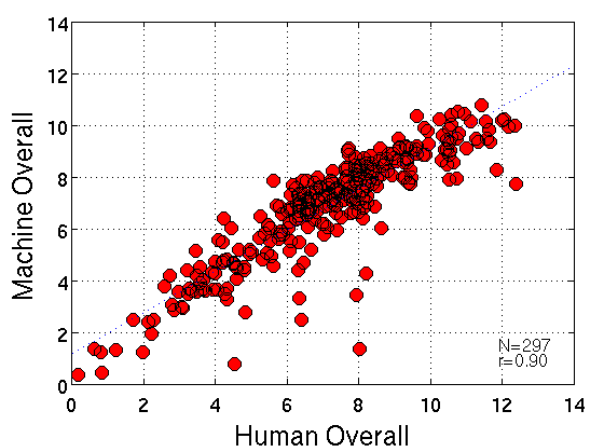
Stage	Human-Human Correlation $r$	Machine-Human Correlation $r$
I	0.91	0.88
II	0.96	0.90
III	0.97	0.94
IV	0.98	0.95
V	0.98	0.93
Average	0.96	0.92

On average, the machine-human correlation across Stages was 0.92, which suggested that machine-generated scores strongly correlated with human ratings. To help visualize this correlation, scatterplots for human and machine scores for each Stage are shown in Figure 5.1.

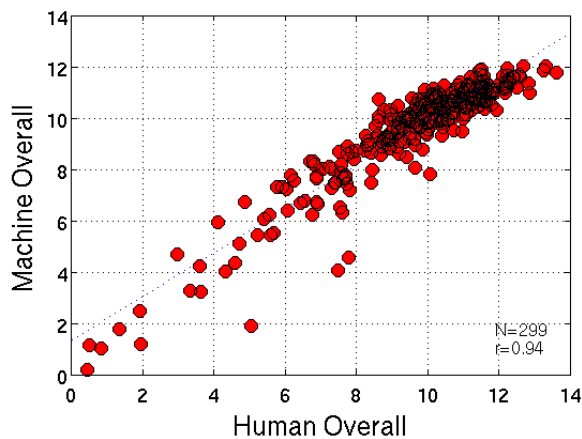
Stage I



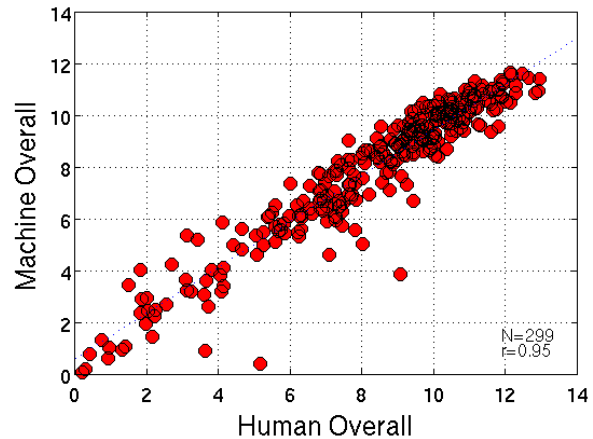
Stage II



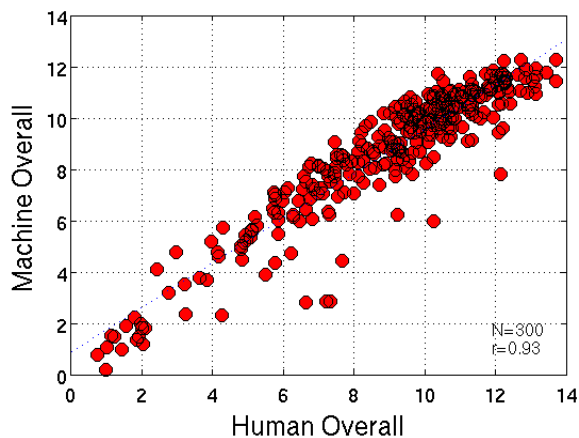
Stage III



Stage IV



Stage V



**Figure 5.1: Scatterplots of Human and Machine Test-level Overall Scores for each Stage.**



$N$  is the number of test-takers in the dataset and  $r$  is the correlation. Both scores are scaled to a 0-14 scale.

The scatterplots in general showed a good fit between human scores and machine scores. They demonstrate that the automated scoring algorithm can score the AZELLA spoken responses with a similar degree of accuracy as human raters. Although there were still outliers, the data suggest that the performance of the machine scoring method is in general comparable to the human rating approach.

#### *Non-Repeat and Repeat Items*

In addition to the speaking domain score, the performance of the machine scoring algorithm was also examined for both non-repeat items and repeat items. The human-human and machine-human correlation for each Stage was computed, as summarized in Table 5.16

**Table 5.16: Human-Human Correlation and Machine-Human Correlation for Test-Level Non-repeat Scores**

Stage	Human-Human Correlation $r$	Machine-Human Correlation $r$
I	0.85	0.82
II	0.93	0.89
III	0.95	0.92
IV	0.96	0.95
V	0.96	0.91
Average	0.93	0.90

On average, machine-generated scores correlated highly with human ratings ( $r = 0.90$ ) even for these less constrained item types. This suggests that the machine scoring method is applicable to the scoring of open and semi-open constructed oral responses for the AZELLA Speaking test. In addition to non-repeat items, the correspondence of machine-generated scores to human ratings was examined for both non-repeat and repeat items. A repeat holistic score for each item was calculated by taking 25% from its Pronunciation sub-score, 25% from its Fluency sub-score and 50% from its Accuracy score. The human-human and machine-human correlations for the holistic repeat score were computed as averages across 10 repeat items. The results are summarized in Table 5.17.

**Table 5.17: Human-Human Correlation and Machine-Human Correlation for Test-level Repeat Scores**

Stage	Human-Human Correlation $r$	Machine-Human Correlation $r$
I	0.99	0.94
II	0.99	0.90
III	0.99	0.92
IV	0.99	0.94
V	0.99	0.93
Average	0.99	0.93

On average, both human raters and the machine performed very well on rating repeat items. Two human scores showed a very high correlation ( $r = 0.99$ ) while machine scores were also highly correlated with the average human scores ( $r = 0.93$ ).

In general, the test-level correlation data demonstrate the robustness of the automated scoring method in accurately scoring a variety of different item types. The results also suggest that the automated scoring methods are equally effective for scoring spoken responses from both lower Stages students and higher Stages students.

#### *Oral Reading Items*

Oral Reading items were delivered through the phone together with the Speaking items. However, as they belong to a different domain, Oral Reading analysis was separated from the Speaking analysis. There were two item types for Oral Reading items. One was syllabification, which was included in Stages II and III; the other was Wordlist Reading, which was included in Stages II, III, and IV.

To generate machine scores for these items, a list of correct syllabification or word sequences was compiled for each item based on the rubrics and the Performance Scoring Center answer choices. An algorithm went through the speech recognition outputs of students' responses and checked whether they contained the correct syllabification or words. After a machine score was assigned, for each item there were two human scores and one machine score. Then the human-human agreement rate and machine-human agreement rate were computed, as shown in Table 5.18.

**Table 5.18: Human-Human Agreement, Machine-Human Agreements, and Agreement between Human Scores and Human-Transcription-based Scores for Syllabification by Stage**

Stage	Human-Human agreement	Machine-Human agreement	Human-Transcription agreement
II	0.82	0.75	0.73
III	0.75	0.69	0.67
Average	0.79	0.72	0.70

On average, two Performance Scoring Center human raters agreed with each other at a 79% rate and machine scores achieved a 72% agreement rate with human scores. This result demonstrated that the machine-generated scores generally corresponded to the human ratings. The relatively low human agreement baseline suggested that it was challenging for human raters to agree on the syllabification standards and two human raters were likely to disagree on the syllabification rules during the scoring process. The agreement rate between a human score based on listening to a response audio and a human score based on the transcription of the audio was further analyzed, as shown in the third column in Table 5.18. This suggested that the human scores based on listening to audio recordings agreed with scores based on the detailed transcription at a 70% rate. The relatively low agreement at human baseline posed a significant challenge for machine scoring. This may reflect the inherent challenges of this type of item for both human scorers and machine scoring systems. There also seemed to have a gap between the specification of the syllabification rubrics and the execution of the rubrics in the rating process. For instance, for an item like *pencil*, the correct syllabification is *pen* *cil*. In some student responses, the pause indicating the syllable boundary is quite short. Human raters disagreed on when to consider the response a whole word (therefore the absence of syllabification) and when to consider it to be correct syllabification. To make human raters more successful on rating these tasks, more training with benchmark samples would be helpful.

In addition, the agreement rates for Wordlist Reading items were calculated, as summarized in Table 5.19.

**Table 5.19: Human-Human Agreement, Machine-Human Agreements and Agreement between Human Scores and Human-Transcription-based Scores for Wordlist Reading by Stage**

Stage	Human-Human agreement	Machine-Human agreement	Human-Transcription agreement
II	0.89	0.72	0.74
III	0.89	0.75	0.65
IV	0.85	0.71	0.59
Average	0.88	0.72	0.66

On average, two human raters agreed with each other at an 88% rate and machine scores agreed with human scores at a 72% rate. For this item type, we expected that the machine performance would be less than ideal. Due to a general limitation of automatic speech recognition in dealing with isolated words, speech recognizers perform best when there is sentential context. Without context around, speech recognizers cannot use probabilistic models of word sequences to narrow down the identity of the spoken words. Note that human ratings based on the audio recordings also had low agreement rates (66%, as shown in the third column of Table 5.19) with scores based on the transcriptions of the recordings. This suggested that human judgments were not always consistent with each other, or with the rubrics. The automated scoring engine was therefore limited by the inconsistency of human judgments.

In general, Oral Reading items posed a challenge for both human and machine scoring. Both approaches had relatively low agreement rates. Machine-generated scores generally

corresponded to human ratings for syllabification items. Machine-generated scores for Wordlist Reading are probably adequate, but may see further improvement.

### 5.6.3.3 Item-Level Performance

In addition to the test-level performances, how machine-generated scores compared to human scores on the item level was also examined. Specifically, it is important to understand how machine scoring performs across different item types in the AZELLA Speaking domain.

#### *Performance of Different Item Types*

In this section, item-level correlation results at each Stage are presented. It is important to note that item-level results tend to have more variability compared to test-level scores. To evaluate the validity of the machine scoring method, there should be a focus on test-level performance. However, item-level performance is useful for diagnosing potential item issues and evaluating the fit of the items.

The speaking items were categorized into different item types based on their general content and scale. Then the human performance on each item type was analyzed and compared with the machine performance, as summarized in Table 5.20 through Table 5.24.

**Table 5.20: Stage I Speaking Item Types**

Item Type	Human-Human correlation	Machine-Human correlation
Picture Naming	0.83	0.67
Short Response	0.71	0.73
Open Question	0.70	0.76
Repeat	0.91	0.83

**Table 5.21: Stage II Speaking Item Types**

Item Type	Human-Human correlation	Machine-Human correlation
Questions about an image	0.87	0.86
Give directions from a map	0.82	0.84
Ask questions about a thing	0.83	0.64
Open questions about a topic	0.75	0.72
Give instructions to do something	0.83	0.80
Repeat	0.95	0.85

**Table 5.22: Stage III Speaking Item Types**

Item Type	Human-Human correlation	Machine-Human correlation
Questions about an image	0.87	0.77
Similarities and differences	0.75	0.75
Give directions from a map	0.74	0.85
Questions about a statement	0.79	0.82
Give instructions to do something	0.77	0.81
Open questions about a topic	0.85	0.85
Detailed responses to a topic	0.81	0.80
Repeat	0.97	0.88

**Table 5.23: Stage IV Speaking Item Types**

Item Type	Human-Human correlation	Machine-Human correlation
Questions about an image	0.84	0.84
Give directions from a map	0.84	0.90
Open questions about a topic	0.82	0.82
Detailed response to a topic	0.85	0.87
Give instructions to do something	0.87	0.90
Repeat	0.96	0.89

**Table 5.24: Stage V Speaking Item Types**

Item Type	Human-Human correlation	Machine-Human correlation
Question about an image	0.80	0.76
Open questions about a topic	0.84	0.82
Detailed response to a topic	0.88	0.87
Give instructions to do something	0.90	0.90
Give directions from a map	0.86	0.85
Repeat	0.95	0.89

### Summary

The reported validation analyses indicate that Pearson's automated scoring models can correspond closely to human ratings for the AZELLA Speaking test. The strength of the relationship between human and machine scores varies by item type with correlations ranging from 0.69 to 0.90 and the majority being above 0.80. The average machine-to-human correlation for total speaking score across Stages was 0.92. Machine scoring at the total speaking score level is consistently accurate across all Stages of AZELLA testing as evidenced by the correlations shown in Table 5.15 (all  $r \geq 0.88$ ). This supports the validity of machine-generated scores for the AZELLA spoken responses.

## Chapter 6. ITEM FIELD TEST ANALYSIS

This chapter describes classical item analysis, item response theory (IRT) analysis, and differential item functioning (DIF) analysis that were conducted based on the data collected from the field test administration. The objective of the field test analysis was to provide various item level statistics for the data review committee and operational test form construction. All items except for Speaking repeat items were included in the analysis. The Speaking repeat items were excluded from the analysis because they were administered to train the scoring engine developed by Pearson Knowledge Technology and so item level analysis was not needed for the type of items. Please refer to Section 4.2 for information about the Speaking repeat items. All the analysis activities were completed by two research scientists as a quality control check.

### 6.1 Participants

Students who participated in the field test administration were selected across the State of Arizona according to the sample plan presented in Section 3.1. The demographic information concerning the students who participated in the field test (e.g., ELL status, gender, race and ethnicity, special education, home language, and free/reduced lunch status) is summarized in Table 6.1.

**Table 6.1: Frequency of Students by Subgroups**

		Kindergarten Placement Test	Stage I	Stage II	Stage III	Stage IV	Stage V
ALL		983	13,084	10,444	9,138	6,173	5,053
ELL		612	11,030	8,192	6,668	4,204	3,313
Gender	Male	280	5,549	4,390	3,849	2,429	1,835
	Female	330	5,481	3,802	2,819	1,774	1,477
Hispanic	Hispanic	511	9,880	7,240	5,193	3,137	2,028
	Non-Hispanic	101	1,150	952	1,475	1,067	1,285
Ethnicity	Asian	28	438	252	207	242	501
	American Indian	5	632	416	513	380	157
	Black	12	177	82	89	142	245
	Hawaiian	10	35	15	17	10	15
	Multiple	0	59	43	31	18	13
	White	351	9,688	7,032	4,971	3,075	2,168
Special Ed.	Special Ed.	-	591	780	1,334	1,322	566
	Non-Special Ed.	-	10,439	7,412	5,334	2,880	2,747
Home Language	American Indian	-	71	64	103	86	50
	English	-	1,468	812	671	465	662
	Spanish	429	8,720	6,868	5,436	3,080	1,807
FEP		-	0	215	479	278	117
Non-ELL		371	2,054	2,037	1,991	1,691	1,623
F/R Lunch	FRL	-	9,714	9,003	7,594	5,085	3,955
	Non-FRL	-	3,370	1,204	1,031	777	913

## 6.2 Classical Item Analysis

Classical item analysis was conducted for all items for each test except for Speaking repeat items. Descriptive statistics for all items are summarized by stage and domain in Table 6.2 through Table 6.24. Each of the tables contains the following information:

- Item number
- Item type
- Maximum possible score
- For ELL students
  - Number of students who took the item
  - $p$ -value
  - Point-biserial correlation for the total score (Pbis Total)
  - Point-biserial for the domain score (Pbis Domain)
- For non-ELL students
  - Number of students who took the item
  - $p$ -value for the non-ELL students
- For FEP students (Stages II through V only)
  - Number of students who took the item
  - $p$ -value for the FEP students

The  $p$ -value is defined as the proportion of students who answer an item correctly for one point items (e.g., multiple choice items). The  $p$ -value for multiple point items is the proportion of the average score to the maximum possible score. The  $p$ -value is a difficulty index that ranges from 0 to 1. A high  $p$ -value indicates that an item is easy while a low  $p$ -value means that an item is difficult. For the field test analysis, the  $p$ -value was calculated for ELL students, non-ELL students, and FEP students. One may expect that the  $p$ -values for non-ELL students and FEP students are generally higher than that for ELL students.

The point biserial correlation is a correlation between an item score and the total score (or the domain score). It indicates how well an item discriminates between students with high scores and students with low scores. The point biserial correlation ranges from -1 to 1. An item with a high positive point biserial correlation discriminates more effectively between students with high scores and students with low scores than an item with a low positive point biserial correlation. Any negative point biserial correlation shows a negative association between an item and the total score (or the domain score).

**Table 6.2: Item-Level Statistics for Items in Prereading on Kindergarten Placement Test**

Item	Item Type	Max	ELL			Non-ELL	
			N-Count	P-value	Pbis Total	N-Count	P-value
1	PR1	1	356	0.728	0.330	144	0.792
2	PR1	1	612	0.536	0.392	371	0.666
3	PR1	1	356	0.461	0.383	144	0.660
4	PR1	1	356	0.365	0.375	144	0.417
5	PR1	1	256	0.777	0.464	227	0.837
6	PR1	1	256	0.527	0.408	227	0.705
7	PR1	1	256	0.441	0.418	227	0.617
8	OR3	3	356	0.538	0.688	144	0.817
9	OR3	3	256	0.543	0.741	227	0.819

Note: OR3=3 Point Oral Response Items; PR1=1 Point Physical Response Items, Item number does not indicate item location on a field test form as all items on 2 field test forms were concurrently analyzed.

**Table 6.3: Item-Level Statistics for Items in Prewriting on Kindergarten Placement Test**

Item	Item Type	Max	ELL			Non-ELL	
			N-Count	P-value	Pbis Total	N-Count	P-value
10	PR1	1	356	0.874	0.455	144	0.951
11	PR1	1	356	0.848	0.437	144	0.938
12	PR1	1	256	0.805	0.682	227	0.934
13	PR1	1	256	0.805	0.683	227	0.943

Note: PR1=1 Point Physical Response Items, Item number does not indicate item location on a field test form as all items on 2 field test forms were concurrently analyzed.

**Table 6.4: Item-Level Statistics for Items in Listening/Speaking on Kindergarten Placement Test**

Item	Item Type	Max	ELL			Non-ELL	
			N-Count	P-value	Pbis Total	N-Count	P-value
14	PR1	1	356	0.590	0.446	144	0.819
15	PR1	1	356	0.666	0.521	144	0.882
16	PR1	1	256	0.816	0.567	227	0.912
17	PR1	1	256	0.555	0.378	227	0.753
18	OR1	1	612	0.846	0.577	371	0.968
19	OR1	1	356	0.795	0.546	144	0.944
20	OR1	1	356	0.834	0.582	144	0.965
21	OR1	1	356	0.801	0.633	144	0.965
22	PR1	1	612	0.868	0.498	371	0.962
23	PR1	1	356	0.941	0.418	144	0.986
24	PR2	2	356	0.893	0.586	144	0.983
25	PR2	2	356	0.916	0.505	144	0.979
26	PR1	1	356	0.520	0.548	144	0.681
27	OR1	1	256	0.805	0.599	227	0.952
28	OR1	1	256	0.758	0.501	227	0.925
29	OR1	1	256	0.676	0.617	227	0.916
30	PR1	1	256	0.879	0.601	227	0.969
31	PR2	2	256	0.768	0.695	227	0.881
32	PR2	2	256	0.764	0.763	227	0.947
33	PR1	1	256	0.512	0.425	227	0.652
34	OR1	1	612	0.959	0.306	371	0.981
35	OR1	1	356	0.725	0.590	144	0.958
36	OR1	1	356	0.963	0.351	144	0.972
37	OR1	1	356	0.719	0.429	144	0.896



**Table 6.4: Item-Level Statistics for Items in Listening/Speaking on Kindergarten Placement Test**

Item	Item Type	Max	ELL			Non-ELL	
			N-Count	P-value	Pbis Total	N-Count	P-value
38	OR1	1	356	0.809	0.564	144	0.951
39	OR1	1	356	0.921	0.487	144	0.979
40	OR1	1	356	0.654	0.581	144	0.944
41	OR1	1	612	0.928	0.425	371	0.981
42	OR1	1	356	0.947	0.426	144	0.986
43	OR1	1	356	0.966	0.321	144	0.965
44	OR1	1	356	0.739	0.599	144	0.903
45	OR1	1	356	0.764	0.525	144	0.910
46	OR1	1	356	0.239	0.352	144	0.514
47	OR1	1	612	0.858	0.496	371	0.911
48	OR1	1	356	0.843	0.529	144	0.938
49	OR1	1	356	0.952	0.347	144	0.951
50	OR1	1	612	0.636	0.494	371	0.860
51	OR1	1	356	0.739	0.620	144	0.924
52	OR1	1	356	0.649	0.573	144	0.826
53	OR1	1	356	0.775	0.523	144	0.896
54	OR1	1	256	0.758	0.583	227	0.912
55	OR1	1	256	0.855	0.428	227	0.952
56	OR1	1	256	0.895	0.639	227	0.991
57	OR1	1	256	0.906	0.558	227	0.991
58	OR1	1	256	0.926	0.593	227	0.996
59	OR1	1	256	0.820	0.636	227	0.991
60	OR1	1	256	0.949	0.431	227	0.991
61	OR1	1	256	0.930	0.500	227	0.978
62	OR1	1	256	0.750	0.542	227	0.930
63	OR1	1	256	0.719	0.572	227	0.912
64	OR1	1	256	0.230	0.292	227	0.498
65	OR1	1	256	0.891	0.504	227	0.965
66	OR1	1	256	0.871	0.438	227	0.947
67	OR1	1	256	0.621	0.530	227	0.899
68	OR1	1	256	0.609	0.506	227	0.855
69	OR1	1	256	0.695	0.588	227	0.877

Note: OR1=1 Point Oral Response Item, PR1=1 Point Physical Response Items, PR2: 2 Point Physical Response Item, Item number does not indicate item location on a field test form as all items on 2 field test forms were concurrently analyzed.

**Table 6.5: Item-Level Statistics for Items in Prereading on Stage I**

Item	Item Type	Max	ELL				Non-ELL	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
1	MC	1	2694	0.980	0.218	0.256	532	0.976
2	MC	1	2694	0.870	0.372	0.475	532	0.898
3	MC	1	2694	0.782	0.432	0.520	532	0.836
4	MC	1	11030	0.965	0.244	0.305	2054	0.960
5	MC	1	2694	0.909	0.322	0.416	532	0.932
6	MC	1	2694	0.655	0.346	0.457	532	0.724
7	MC	1	2694	0.914	0.338	0.359	532	0.914
8	MC	1	11030	0.792	0.347	0.453	2054	0.845
9	MC	1	2694	0.652	0.283	0.410	532	0.754
10	MC	1	2694	0.918	0.336	0.407	532	0.921
11	MC	1	11030	0.705	0.355	0.487	2054	0.788
12	MC	1	11030	0.760	0.450	0.547	2054	0.816
13	MC	1	11030	0.810	0.418	0.512	2054	0.874
14	MC	1	2694	0.516	0.298	0.421	532	0.586
15	MC	1	2694	0.764	0.422	0.507	532	0.820
16	MC	1	2694	0.846	0.338	0.418	532	0.853
17	MC	1	2691	0.974	0.199	0.217	509	0.980
18	MC	1	2691	0.803	0.387	0.470	509	0.843
19	MC	1	2691	0.896	0.414	0.388	509	0.923
20	MC	1	2691	0.809	0.375	0.434	509	0.819
21	MC	1	2691	0.577	0.345	0.476	509	0.639
22	MC	1	2691	0.681	0.422	0.537	509	0.752
23	MC	1	2691	0.873	0.210	0.313	509	0.906
24	MC	1	2691	0.917	0.377	0.395	509	0.898
25	MC	1	2691	0.774	0.417	0.509	509	0.843
26	MC	1	2691	0.885	0.320	0.426	509	0.910
27	MC	1	2691	0.584	0.235	0.367	509	0.619
28	MC	1	2706	0.972	0.292	0.304	512	0.980
29	MC	1	2706	0.904	0.435	0.473	512	0.939
30	MC	1	2706	0.936	0.417	0.438	512	0.951
31	MC	1	2706	0.953	0.322	0.346	512	0.965
32	MC	1	2706	0.596	0.333	0.461	512	0.723
33	MC	1	2706	0.736	0.444	0.537	512	0.832
34	MC	1	2706	0.835	0.374	0.453	512	0.885
35	MC	1	2706	0.846	0.506	0.484	512	0.879
36	MC	1	2706	0.676	0.394	0.501	512	0.762
37	MC	1	2706	0.590	0.311	0.417	512	0.688
38	MC	1	2706	0.612	0.248	0.360	512	0.660
39	MC	1	2939	0.981	0.176	0.214	501	0.978
40	MC	1	2939	0.905	0.349	0.420	501	0.900
41	MC	1	2939	0.885	0.394	0.460	501	0.882
42	MC	1	2939	0.845	0.247	0.331	501	0.820
43	MC	1	2939	0.783	0.388	0.504	501	0.806
44	MC	1	2939	0.919	0.378	0.398	501	0.920
45	MC	1	2939	0.712	0.279	0.416	501	0.800
46	MC	1	2939	0.843	0.463	0.479	501	0.816
47	MC	1	2939	0.877	0.365	0.455	501	0.932
48	MC	1	2939	0.927	0.333	0.430	501	0.950
49	MC	1	2939	0.637	0.239	0.389	501	0.719

Note: MC=Multiple-choice Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.6: Item-Level Statistics for Items in Prewriting on Stage I**

Item	Item Type	Max	ELL				Non-ELL	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
50	SA2	2	2694	0.987	0.206	0.213	532	0.979
51	SA2	2	2694	0.949	0.197	0.257	532	0.915
52	SA2	2	2694	0.754	0.367	0.462	532	0.710
53	SA2	2	2694	0.669	0.312	0.392	532	0.662
54	SA2	2	2694	0.772	0.457	0.504	532	0.773
55	SA2	2	11030	0.815	0.323	0.398	2054	0.777
56	SA2	2	2694	0.811	0.539	0.580	532	0.818
57	SA2	2	2694	0.809	0.533	0.613	532	0.809
58	SA2	2	2694	0.798	0.544	0.600	532	0.824
59	SA1	1	11030	0.474	0.371	0.409	2054	0.516
60	SA1	1	2694	0.458	0.351	0.397	532	0.532
61	SA1	1	2694	0.645	0.323	0.345	532	0.692
62	SA2	2	2694	0.486	0.650	0.734	532	0.497
63	SA2	2	11030	0.479	0.663	0.742	2054	0.486
64	SA3	3	2694	0.345	0.637	0.739	532	0.354
65	SA3	3	11030	0.335	0.621	0.717	2054	0.340
66	SA2	2	2691	0.957	0.255	0.271	509	0.937
67	SA2	2	2691	0.933	0.271	0.305	509	0.892
68	SA2	2	2691	0.729	0.414	0.502	509	0.705
69	SA2	2	2691	0.656	0.373	0.449	509	0.635
70	SA2	2	2691	0.811	0.407	0.444	509	0.854
71	SA2	2	2691	0.881	0.489	0.530	509	0.909
72	SA2	2	2691	0.762	0.600	0.666	509	0.764
73	SA2	2	2691	0.750	0.604	0.652	509	0.773
74	SA1	1	2691	0.266	0.220	0.236	509	0.332
75	SA1	1	2691	0.376	0.425	0.429	509	0.420
76	SA2	2	2691	0.505	0.670	0.748	509	0.527
77	SA3	3	2691	0.490	0.722	0.801	509	0.483
78	SA2	2	2706	0.953	0.191	0.226	512	0.934
79	SA2	2	2706	0.850	0.306	0.374	512	0.844
80	SA2	2	2706	0.710	0.422	0.494	512	0.690
81	SA2	2	2706	0.722	0.427	0.498	512	0.708
82	SA2	2	2706	0.823	0.432	0.478	512	0.840
83	SA2	2	2706	0.763	0.413	0.476	512	0.755
84	SA2	2	2706	0.799	0.580	0.607	512	0.832
85	SA2	2	2706	0.846	0.578	0.613	512	0.854
86	SA1	1	2706	0.264	0.239	0.265	512	0.311
87	SA1	1	2706	0.643	0.252	0.288	512	0.705
88	SA2	2	2706	0.466	0.658	0.748	512	0.492
89	SA3	3	2706	0.375	0.692	0.788	512	0.432
90	SA2	2	2939	0.960	0.218	0.227	501	0.949
91	SA2	2	2939	0.847	0.263	0.333	501	0.815
92	SA2	2	2939	0.747	0.381	0.456	501	0.725
93	SA2	2	2939	0.582	0.284	0.367	501	0.572
94	SA2	2	2939	0.837	0.421	0.453	501	0.912
95	SA2	2	2939	0.874	0.499	0.529	501	0.881
96	SA2	2	2939	0.841	0.514	0.576	501	0.851
97	SA2	2	2939	0.721	0.583	0.623	501	0.773
98	SA1	1	2939	0.480	0.408	0.455	501	0.503
99	SA1	1	2939	0.411	0.395	0.423	501	0.377
100	SA2	2	2939	0.518	0.687	0.747	501	0.512
101	SA3	3	2939	0.345	0.632	0.728	501	0.345

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.7: Item-Level Statistics for Items in Listening on Stage I**

Item	Item Type	Max	ELL				Non-ELL	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
102	MC	1	11030	0.986	0.174	0.261	2054	0.987
103	MC	1	2694	0.987	0.183	0.316	532	0.979
104	MC	1	2694	0.985	0.173	0.312	532	0.970
105	MC	1	2694	0.986	0.189	0.310	532	0.976
106	MC	1	2694	0.764	0.338	0.537	532	0.778
107	MC	1	11030	0.698	0.375	0.539	2054	0.712
108	MC	1	2694	0.801	0.291	0.515	532	0.797
109	MC	1	2694	0.864	0.419	0.541	532	0.898
110	MC	1	2694	0.644	0.404	0.587	532	0.701
111	MC	1	2694	0.900	0.352	0.437	532	0.900
112	MC	1	2694	0.916	0.404	0.444	532	0.919
113	MC	1	2691	0.991	0.149	0.239	509	0.994
114	MC	1	2691	0.977	0.215	0.314	509	0.984
115	MC	1	2691	0.920	0.262	0.375	509	0.941
116	MC	1	2691	0.640	0.235	0.470	509	0.639
117	MC	1	2691	0.725	0.421	0.585	509	0.758
118	MC	1	2691	0.810	0.333	0.469	509	0.841
119	MC	1	2691	0.728	0.211	0.410	509	0.764
120	MC	1	2691	0.927	0.400	0.386	509	0.941
121	MC	1	2691	0.759	0.416	0.495	509	0.857
122	MC	1	2706	0.986	0.188	0.304	512	0.994
123	MC	1	2706	0.986	0.180	0.308	512	0.992
124	MC	1	2706	0.809	0.337	0.531	512	0.861
125	MC	1	2706	0.886	0.302	0.477	512	0.902
126	MC	1	2706	0.867	0.432	0.597	512	0.898
127	MC	1	2706	0.819	0.322	0.500	512	0.818
128	MC	1	2706	0.866	0.429	0.581	512	0.893
129	MC	1	2706	0.890	0.411	0.473	512	0.924
130	MC	1	2706	0.886	0.426	0.441	512	0.928
131	MC	1	2939	0.986	0.210	0.274	501	0.986
132	MC	1	2939	0.990	0.131	0.217	501	0.980
133	MC	1	2939	0.760	0.284	0.475	501	0.756
134	MC	1	2939	0.561	0.126	0.300	501	0.645
135	MC	1	2939	0.878	0.271	0.420	501	0.878
136	MC	1	2939	0.499	0.216	0.450	501	0.509
137	MC	1	2939	0.858	0.264	0.445	501	0.868
138	MC	1	2939	0.794	0.414	0.481	501	0.856
139	MC	1	2939	0.799	0.354	0.442	501	0.824

Note: MC=Multiple-choice Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.8: Item-Level Statistics for Items in Speaking on Stage I**

Item	Item Type	Max	ELL				Non-ELL	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value
140	SA1	1	2694	0.842	0.248	0.354	532	0.889
141	SA1	1	2694	0.729	0.431	0.426	532	0.739
142	SA1	1	2694	0.944	0.165	0.257	532	0.957
143	SA2	2	11030	0.673	0.445	0.658	2054	0.803
144	SA2	2	2694	0.726	0.458	0.668	532	0.839
145	SA1	1	11030	0.468	0.365	0.450	2054	0.545
146	SA1	1	2694	0.263	0.167	0.268	532	0.306
147	SA1	1	2694	0.200	0.260	0.349	532	0.316
148	SA2	2	11030	0.688	0.459	0.689	2054	0.790
149	SA2	2	2694	0.600	0.469	0.686	532	0.724
150	SA1	1	2691	0.883	0.216	0.371	509	0.902
151	SA1	1	2691	0.756	0.411	0.468	509	0.796
152	SA1	1	2691	0.897	0.253	0.400	509	0.914
153	SA2	2	2691	0.817	0.430	0.621	509	0.871
154	SA1	1	2691	0.436	0.373	0.450	509	0.497
155	SA1	1	2691	0.086	0.143	0.192	509	0.167
156	SA2	2	2691	0.705	0.467	0.706	509	0.826
157	SA1	1	2706	0.866	0.245	0.401	512	0.906
158	SA1	1	2706	0.681	0.423	0.497	512	0.844
159	SA1	1	2706	0.911	0.237	0.390	512	0.938
160	SA2	2	2706	0.274	0.314	0.504	512	0.315
161	SA1	1	2706	0.419	0.387	0.452	512	0.555
162	SA1	1	2706	0.143	0.215	0.279	512	0.236
163	SA2	2	2706	0.710	0.455	0.700	512	0.831
164	SA1	1	2939	0.843	0.242	0.365	501	0.870
165	SA1	1	2939	0.688	0.417	0.459	501	0.766
166	SA1	1	2939	0.924	0.211	0.367	501	0.944
167	SA2	2	2939	0.272	0.307	0.521	501	0.241
168	SA1	1	2939	0.509	0.416	0.469	501	0.623
169	SA1	1	2939	0.153	0.234	0.294	501	0.142
170	SA2	2	2939	0.702	0.457	0.710	501	0.794

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.9: Item-Level Statistics for Items in Reading on Stage II**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
1	MC	1	8192	0.915	0.230	0.210	2037	0.936	215	0.977
2	MC	1	8192	0.631	0.292	0.315	2037	0.664	215	0.902
3	MC	1	8192	0.629	0.013	0.059	2037	0.613	215	0.572
4	MC	1	8192	0.494	0.106	0.149	2037	0.548	215	0.674
5	MC	1	8192	0.537	0.331	0.391	2037	0.628	215	0.879
6	MC	1	8192	0.344	0.262	0.306	2037	0.419	215	0.693
7	MC	1	8192	0.483	0.380	0.417	2037	0.566	215	0.842
8	MC	1	2044	0.542	0.367	0.378	557	0.684	55	0.909
9	MC	1	2044	0.731	0.242	0.250	557	0.786	55	0.891
10	MC	1	2044	0.944	0.190	0.178	557	0.952	55	1.000
11	MC	1	2044	0.414	0.280	0.318	557	0.469	55	0.709
12	MC	1	2044	0.540	0.431	0.463	557	0.612	55	0.945
13	MC	1	2044	0.704	0.194	0.270	557	0.765	55	0.836
14	MC	1	2044	0.640	0.408	0.440	557	0.715	55	0.982
15	MC	1	2044	0.547	0.383	0.444	557	0.632	55	0.909
16	MC	1	2044	0.507	0.448	0.485	557	0.618	55	0.909
17	MC	1	2044	0.778	0.252	0.236	557	0.867	55	0.945
18	MC	1	2044	0.291	0.091	0.120	557	0.377	55	0.473
19	MC	1	2044	0.483	0.384	0.424	557	0.618	55	0.909
20	MC	1	2044	0.427	0.171	0.254	557	0.472	55	0.764
21	MC	1	2044	0.460	0.236	0.300	557	0.483	55	0.782
22	MC	1	2044	0.413	0.328	0.384	557	0.528	55	0.800
23	MC	1	2044	0.482	0.424	0.490	557	0.585	55	0.945
24	MC	1	2044	0.533	0.401	0.446	557	0.625	55	0.873
25	MC	1	2044	0.574	0.396	0.463	557	0.636	55	0.945
26	MC	1	2044	0.432	0.334	0.400	557	0.530	55	0.873
27	MC	1	2111	0.768	0.308	0.308	470	0.883	57	0.895
28	MC	1	2111	0.951	0.158	0.143	470	0.964	57	1.000
29	MC	1	2111	0.881	0.266	0.245	470	0.906	57	1.000
30	MC	1	2111	0.391	0.273	0.281	470	0.472	57	0.667
31	MC	1	2111	0.511	0.363	0.379	470	0.530	57	0.789
32	MC	1	2111	0.634	0.216	0.229	470	0.638	57	0.684
33	MC	1	2111	0.632	0.430	0.474	470	0.719	57	0.930
34	MC	1	2111	0.554	0.446	0.497	470	0.647	57	0.860
35	MC	1	2111	0.423	0.190	0.215	470	0.481	57	0.737
36	MC	1	2111	0.791	0.286	0.277	470	0.811	57	0.965
37	MC	1	2111	0.310	0.039	0.076	470	0.383	57	0.439
38	MC	1	2111	0.391	0.239	0.284	470	0.481	57	0.667
39	MC	1	2111	0.341	0.201	0.255	470	0.440	57	0.561
40	MC	1	2111	0.472	0.337	0.373	470	0.564	57	0.772
41	MC	1	2111	0.460	0.342	0.379	470	0.530	57	0.825
42	MC	1	2111	0.621	0.301	0.344	470	0.679	57	0.895
43	MC	1	2111	0.305	0.136	0.158	470	0.368	57	0.509
44	MC	1	2111	0.425	0.346	0.392	470	0.470	57	0.754
45	MC	1	2111	0.409	0.291	0.357	470	0.479	57	0.702
46	MC	1	1959	0.727	0.315	0.312	507	0.824	48	0.938
47	MC	1	1959	0.971	0.141	0.136	507	0.972	48	0.958
48	MC	1	1959	0.649	0.476	0.499	507	0.750	48	0.938
49	MC	1	1959	0.405	0.338	0.350	507	0.497	48	0.729
50	MC	1	1959	0.452	0.374	0.373	507	0.471	48	0.854
51	MC	1	1959	0.685	0.523	0.545	507	0.779	48	0.958
52	MC	1	1959	0.540	0.339	0.398	507	0.682	48	0.896
53	MC	1	1959	0.624	0.470	0.515	507	0.704	48	0.979
54	MC	1	1959	0.476	0.083	0.114	507	0.538	48	0.438
55	MC	1	1959	0.893	0.276	0.271	507	0.915	48	1.000
56	MC	1	1959	0.621	0.520	0.556	507	0.692	48	0.958

**Table 6.9: Item-Level Statistics for Items in Reading on Stage II**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
57	MC	1	1959	0.489	0.385	0.443	507	0.592	48	0.896
58	MC	1	1959	0.369	0.219	0.281	507	0.408	48	0.604
59	MC	1	1959	0.376	0.173	0.215	507	0.462	48	0.604
60	MC	1	1959	0.426	0.311	0.366	507	0.513	48	0.792
61	MC	1	1959	0.483	0.048	0.103	507	0.501	48	0.438
62	MC	1	1959	0.356	0.297	0.347	507	0.446	48	0.708
63	MC	1	1959	0.406	0.170	0.236	507	0.479	48	0.813
64	MC	1	1959	0.387	0.208	0.252	507	0.396	48	0.646
65	MC	1	2078	0.765	0.309	0.310	503	0.863	55	0.909
66	MC	1	2078	0.958	0.170	0.153	503	0.970	55	0.982
67	MC	1	2078	0.636	0.437	0.502	503	0.750	55	0.964
68	MC	1	2078	0.456	0.323	0.352	503	0.509	55	0.727
69	MC	1	2078	0.312	0.277	0.311	503	0.366	55	0.655
70	MC	1	2078	0.603	0.178	0.219	503	0.670	55	0.655
71	MC	1	2078	0.759	0.449	0.449	503	0.853	55	1.000
72	MC	1	2078	0.586	0.483	0.506	503	0.702	55	0.927
73	MC	1	2078	0.491	0.275	0.315	503	0.529	55	0.600
74	MC	1	2078	0.716	0.279	0.271	503	0.817	55	0.891
75	MC	1	2078	0.580	0.178	0.223	503	0.634	55	0.727
76	MC	1	2078	0.452	0.476	0.540	503	0.600	55	0.945
77	MC	1	2078	0.452	0.381	0.422	503	0.569	55	0.891
78	MC	1	2078	0.408	0.461	0.519	503	0.547	55	0.855
79	MC	1	2078	0.385	0.248	0.303	503	0.521	55	0.709
80	MC	1	2078	0.679	0.308	0.358	503	0.748	55	0.927
81	MC	1	2078	0.440	0.447	0.501	503	0.547	55	0.855
82	MC	1	2078	0.497	0.285	0.352	503	0.618	55	0.782
83	MC	1	2078	0.458	0.290	0.327	503	0.549	55	0.782
189	SA1	1	8192	0.567	0.192	0.214	2037	0.616	215	0.730
191	SA3	3	8192	0.415	0.631	0.691	2037	0.515	215	0.845
192	SA1	1	2044	0.678	0.205	0.244	557	0.727	55	0.818
193	SA1	1	2044	0.635	0.247	0.282	557	0.670	55	0.818
202	SA3	3	2044	0.238	0.629	0.701	557	0.360	55	0.715
203	SA3	3	2044	0.144	0.574	0.639	557	0.269	55	0.600
204	SA1	1	2111	0.644	0.204	0.223	470	0.677	57	0.632
212	SA3	3	2111	0.444	0.682	0.740	470	0.543	57	0.860
213	SA3	3	2111	0.318	0.684	0.760	470	0.426	57	0.772
214	SA3	3	2111	0.276	0.669	0.760	470	0.370	57	0.678
215	SA1	1	1959	0.639	0.252	0.299	507	0.722	48	0.813
216	SA1	1	1959	0.610	0.290	0.322	507	0.675	48	0.792
224	SA3	3	1959	0.403	0.625	0.700	507	0.510	48	0.875
225	SA3	3	1959	0.216	0.599	0.693	507	0.319	48	0.792
226	SA1	1	2078	0.595	0.161	0.173	503	0.626	55	0.873
234	SA3	3	2078	0.299	0.650	0.719	503	0.443	55	0.873
235	SA3	3	2078	0.761	0.575	0.576	503	0.843	55	0.952
236	SA3	3	2078	0.232	0.681	0.763	503	0.382	55	0.788

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.10: Item-Level Statistics for Items in Writing on Stage II**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
84	MC	1	8192	0.501	0.240	0.319	2037	0.564	215	0.786
85	MC	1	8192	0.412	0.230	0.291	2037	0.480	215	0.688
86	MC	1	2044	0.630	0.420	0.476	557	0.677	55	0.927
87	MC	1	2044	0.292	0.164	0.245	557	0.386	55	0.636
88	MC	1	2044	0.316	0.144	0.226	557	0.422	55	0.636
89	MC	1	2044	0.395	0.243	0.329	557	0.513	55	0.709
90	MC	1	2044	0.523	0.351	0.423	557	0.603	55	0.855
91	MC	1	2044	0.545	0.368	0.423	557	0.591	55	0.927
92	MC	1	2044	0.640	0.449	0.511	557	0.711	55	0.964
93	MC	1	2044	0.286	-0.057	0.018	557	0.330	55	0.309
94	MC	1	2044	0.477	0.469	0.526	557	0.564	55	0.927
95	MC	1	2044	0.409	0.245	0.285	557	0.485	55	0.655
96	MC	1	2111	0.354	0.112	0.189	470	0.389	57	0.544
97	MC	1	2111	0.412	0.177	0.269	470	0.447	57	0.579
98	MC	1	2111	0.297	0.000	0.077	470	0.298	57	0.281
99	MC	1	2111	0.389	0.270	0.324	470	0.389	57	0.579
100	MC	1	2111	0.464	0.221	0.262	470	0.562	57	0.684
101	MC	1	2111	0.733	0.439	0.493	470	0.779	57	1.000
102	MC	1	2111	0.658	0.462	0.528	470	0.715	57	0.982
103	MC	1	2111	0.494	0.478	0.512	470	0.587	57	0.930
104	MC	1	2111	0.400	0.363	0.393	470	0.498	57	0.789
105	MC	1	2111	0.414	0.242	0.301	470	0.477	57	0.561
106	MC	1	1959	0.591	0.260	0.342	507	0.594	48	0.833
107	MC	1	1959	0.466	0.268	0.360	507	0.552	48	0.833
108	MC	1	1959	0.447	0.277	0.325	507	0.542	48	0.771
109	MC	1	1959	0.682	0.374	0.452	507	0.750	48	0.958
110	MC	1	1959	0.533	0.377	0.463	507	0.619	48	0.896
111	MC	1	1959	0.422	0.299	0.339	507	0.507	48	0.708
112	MC	1	1959	0.681	0.444	0.530	507	0.724	48	0.958
113	MC	1	1959	0.551	0.451	0.514	507	0.631	48	0.938
114	MC	1	1959	0.508	0.287	0.348	507	0.611	48	0.875
115	MC	1	1959	0.531	0.301	0.387	507	0.613	48	0.854
116	MC	1	2078	0.696	0.451	0.521	503	0.797	55	1.000
117	MC	1	2078	0.479	0.283	0.362	503	0.565	55	0.818
118	MC	1	2078	0.507	0.223	0.309	503	0.561	55	0.764
119	MC	1	2078	0.430	0.235	0.315	503	0.467	55	0.745
120	MC	1	2078	0.469	0.407	0.447	503	0.547	55	0.782
121	MC	1	2078	0.632	0.252	0.352	503	0.676	55	0.927
122	MC	1	2078	0.650	0.414	0.471	503	0.753	55	0.982
123	MC	1	2078	0.714	0.332	0.403	503	0.803	55	0.982
124	MC	1	2078	0.591	0.396	0.467	503	0.716	55	0.945
125	MC	1	2078	0.361	0.380	0.411	503	0.513	55	0.891
126	ER	5	8192	0.449	0.638	0.748	2037	0.483	215	0.659
127	ER	5	2044	0.437	0.650	0.763	557	0.482	55	0.687
128	ER	5	2044	0.396	0.618	0.737	557	0.427	55	0.611
129	ER	5	2111	0.395	0.644	0.754	470	0.449	57	0.611
130	ER	5	2111	0.441	0.661	0.759	470	0.483	57	0.646
131	ER	5	1959	0.465	0.658	0.771	507	0.508	48	0.688
132	ER	5	1959	0.448	0.628	0.740	507	0.469	48	0.638
133	ER	5	2078	0.418	0.647	0.748	503	0.460	55	0.673
134	ER	5	2078	0.428	0.684	0.786	503	0.461	55	0.684

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table 6.11: Item-Level Statistics for Items in Listening on Stage II**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
135	MC	1	8192	0.889	0.202	0.344	2037	0.896	215	0.940
136	MC	1	2044	0.753	0.133	0.343	557	0.817	55	0.836
137	MC	1	2044	0.237	0.178	0.299	557	0.307	55	0.582
138	MC	1	2044	0.329	0.207	0.368	557	0.399	55	0.745
139	MC	1	2044	0.442	0.213	0.365	557	0.549	55	0.764
140	MC	1	2044	0.460	0.274	0.430	557	0.605	55	0.855
141	MC	1	2044	0.955	0.231	0.295	557	0.973	55	0.982
142	MC	1	8192	0.647	0.262	0.451	2037	0.753	215	0.842
143	MC	1	2044	0.889	0.254	0.341	557	0.944	55	1.000
144	MC	1	2044	0.953	0.201	0.288	557	0.955	55	1.000
145	MC	1	2044	0.843	0.326	0.424	557	0.894	55	0.982
146	MC	1	2044	0.730	0.193	0.353	557	0.776	55	0.836
147	MC	1	2044	0.650	0.130	0.350	557	0.713	55	0.764
148	MC	1	2044	0.659	0.186	0.365	557	0.702	55	0.800
149	MC	1	2044	0.785	0.345	0.466	557	0.851	55	0.964
150	MC	1	2111	0.663	0.180	0.368	470	0.715	57	0.754
151	MC	1	2111	0.218	0.194	0.263	470	0.291	57	0.368
152	MC	1	2111	0.404	0.090	0.301	470	0.470	57	0.596
153	MC	1	2111	0.323	0.174	0.352	470	0.377	57	0.509
154	MC	1	2111	0.450	0.124	0.316	470	0.555	57	0.667
155	MC	1	2111	0.793	0.113	0.300	470	0.826	57	0.842
156	MC	1	2111	0.938	0.263	0.386	470	0.947	57	1.000
157	MC	1	2111	0.892	0.319	0.434	470	0.917	57	1.000
158	MC	1	2111	0.848	0.278	0.434	470	0.870	57	0.965
159	MC	1	2111	0.687	0.342	0.459	470	0.751	57	0.895
160	MC	1	2111	0.871	0.290	0.413	470	0.894	57	0.982
161	MC	1	2111	0.886	0.327	0.446	470	0.921	57	1.000
162	MC	1	2111	0.891	0.303	0.436	470	0.889	57	1.000
163	MC	1	1959	0.876	0.149	0.301	507	0.893	48	0.938
164	MC	1	1959	0.225	0.175	0.239	507	0.249	48	0.396
165	MC	1	1959	0.308	0.206	0.344	507	0.408	48	0.688
166	MC	1	1959	0.523	0.214	0.373	507	0.558	48	0.667
167	MC	1	1959	0.954	0.227	0.302	507	0.970	48	1.000
168	MC	1	1959	0.747	0.342	0.521	507	0.793	48	0.958
169	MC	1	1959	0.814	0.300	0.488	507	0.870	48	0.938
170	MC	1	1959	0.747	0.387	0.499	507	0.801	48	0.938
171	MC	1	1959	0.759	0.322	0.474	507	0.838	48	0.979
172	MC	1	1959	0.541	0.182	0.336	507	0.704	48	0.750
173	MC	1	1959	0.547	0.223	0.368	507	0.659	48	0.729
174	MC	1	1959	0.813	0.326	0.455	507	0.852	48	0.979
175	MC	1	1959	0.839	0.350	0.476	507	0.868	48	0.979
176	MC	1	2078	0.830	0.231	0.362	503	0.871	55	0.836
177	MC	1	2078	0.360	0.240	0.330	503	0.463	55	0.727
178	MC	1	2078	0.428	0.153	0.332	503	0.507	55	0.527
179	MC	1	2078	0.458	0.209	0.382	503	0.553	55	0.564
180	MC	1	2078	0.923	0.287	0.385	503	0.930	55	0.982
181	MC	1	2078	0.793	0.199	0.413	503	0.835	55	0.836
182	MC	1	2078	0.652	0.259	0.461	503	0.744	55	0.818
183	MC	1	2078	0.724	0.309	0.482	503	0.789	55	0.927
184	MC	1	2078	0.806	0.216	0.385	503	0.849	55	0.909
185	MC	1	2078	0.333	0.311	0.358	503	0.461	55	0.782
186	MC	1	2078	0.907	0.210	0.360	503	0.909	55	0.964
187	MC	1	2078	0.839	0.330	0.490	503	0.879	55	0.982
188	MC	1	2078	0.912	0.284	0.391	503	0.932	55	1.000

Note: MC=Multiple-choice Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.12: Item-Level Statistics for Items in Speaking on Stage II**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
190	SA4	4	8192	0.425	0.423	0.620	2037	0.495	215	0.612
194	SA4	4	8192	0.098	0.450	0.562	2037	0.239	215	0.421
195	SA4	4	2044	0.660	0.483	0.649	557	0.719	55	0.800
196	SA4	4	2044	0.085	0.416	0.519	557	0.247	55	0.500
197	SA4	4	2044	0.442	0.461	0.663	557	0.523	55	0.618
198	SA4	4	2044	0.587	0.485	0.649	557	0.677	55	0.759
199	SA2	2	2044	0.142	0.344	0.425	557	0.270	55	0.473
200	SA4	4	2044	0.384	0.339	0.513	557	0.384	55	0.441
201	SA4	4	2044	0.569	0.466	0.664	557	0.640	55	0.786
205	SA4	4	2111	0.097	0.468	0.609	470	0.249	57	0.320
206	SA4	4	2111	0.609	0.466	0.632	470	0.663	57	0.724
207	SA2	2	2111	0.185	0.403	0.511	470	0.352	57	0.333
208	SA2	2	2111	0.197	0.433	0.534	470	0.350	57	0.377
209	SA4	4	2111	0.361	0.353	0.506	470	0.349	57	0.382
210	SA4	4	2111	0.362	0.340	0.513	470	0.358	57	0.408
211	SA4	4	2111	0.465	0.460	0.618	470	0.578	57	0.618
217	SA4	4	1959	0.113	0.477	0.606	507	0.263	48	0.354
218	SA4	4	1959	0.652	0.455	0.597	507	0.700	48	0.813
219	SA4	4	1959	0.493	0.511	0.699	507	0.586	48	0.740
220	SA2	2	1959	0.298	0.483	0.589	507	0.516	48	0.698
221	SA2	2	1959	0.250	0.483	0.569	507	0.441	48	0.625
222	SA4	4	1959	0.392	0.367	0.548	507	0.443	48	0.474
223	SA4	4	1959	0.376	0.317	0.495	507	0.407	48	0.432
227	SA4	4	2078	0.106	0.478	0.563	503	0.219	55	0.550
228	SA4	4	2078	0.639	0.482	0.659	503	0.694	55	0.795
229	SA4	4	2078	0.624	0.471	0.648	503	0.648	55	0.700
230	SA2	2	2078	0.125	0.376	0.448	503	0.218	55	0.545
231	SA4	4	2078	0.387	0.394	0.566	503	0.401	55	0.518
232	SA4	4	2078	0.360	0.303	0.545	503	0.361	55	0.514
233	SA4	4	2078	0.434	0.429	0.635	503	0.500	55	0.523

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.13: Item-Level Statistics for Items in Reading on Stage III**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
1	MC	1	6668	0.741	0.438	0.468	1991	0.877	479	0.937
2	MC	1	6668	0.412	0.301	0.366	1991	0.584	479	0.587
3	MC	1	6668	0.737	0.484	0.524	1991	0.874	479	0.948
4	MC	1	6668	0.427	0.279	0.351	1991	0.609	479	0.662
5	MC	1	6668	0.507	0.393	0.484	1991	0.721	479	0.791
6	MC	1	6668	0.277	0.106	0.168	1991	0.378	479	0.376
7	MC	1	6668	0.369	0.305	0.391	1991	0.609	479	0.618
8	MC	1	1653	0.817	0.253	0.241	560	0.921	107	0.916
9	MC	1	1653	0.727	0.445	0.479	560	0.879	107	0.925
10	MC	1	1653	0.501	0.360	0.400	560	0.707	107	0.813
11	MC	1	1653	0.546	0.286	0.315	560	0.729	107	0.682
12	MC	1	1653	0.319	0.212	0.258	560	0.434	107	0.374
13	MC	1	1653	0.754	0.446	0.505	560	0.895	107	0.935
14	MC	1	1653	0.488	0.445	0.499	560	0.736	107	0.710
15	MC	1	1653	0.661	0.468	0.512	560	0.854	107	0.888
16	MC	1	1653	0.621	0.414	0.488	560	0.768	107	0.850
17	MC	1	1653	0.166	0.028	0.062	560	0.232	107	0.206
18	MC	1	1653	0.368	0.152	0.224	560	0.518	107	0.355
19	MC	1	1653	0.279	0.117	0.168	560	0.486	107	0.393
20	MC	1	1653	0.564	0.427	0.493	560	0.798	107	0.850
21	MC	1	1653	0.272	0.124	0.192	560	0.457	107	0.383
22	MC	1	1653	0.418	0.372	0.468	560	0.680	107	0.654
23	MC	1	1653	0.359	0.233	0.316	560	0.595	107	0.505
24	MC	1	1653	0.432	0.377	0.464	560	0.673	107	0.729
25	MC	1	1653	0.454	0.343	0.425	560	0.705	107	0.692
26	MC	1	1653	0.362	0.347	0.454	560	0.605	107	0.664
27	MC	1	1653	0.375	0.343	0.445	560	0.613	107	0.570
28	MC	1	1653	0.447	0.304	0.410	560	0.655	107	0.682
29	MC	1	1653	0.351	0.350	0.409	560	0.595	107	0.692
30	MC	1	1653	0.336	0.062	0.120	560	0.489	107	0.421
31	MC	1	1693	0.865	0.308	0.289	512	0.914	122	0.992
32	MC	1	1693	0.736	0.457	0.491	512	0.861	122	0.959
33	MC	1	1693	0.628	0.289	0.355	512	0.775	122	0.770
34	MC	1	1693	0.594	0.319	0.384	512	0.768	122	0.738
35	MC	1	1693	0.350	0.263	0.314	512	0.500	122	0.623
36	MC	1	1693	0.707	0.515	0.547	512	0.850	122	0.943
37	MC	1	1693	0.263	0.185	0.241	512	0.463	122	0.516
38	MC	1	1693	0.137	-0.053	-0.004	512	0.096	122	0.123
39	MC	1	1693	0.393	0.340	0.395	512	0.598	122	0.730
40	MC	1	1693	0.631	0.418	0.495	512	0.793	122	0.828
41	MC	1	1693	0.160	-0.026	0.005	512	0.189	122	0.164
42	MC	1	1693	0.549	0.329	0.404	512	0.730	122	0.746
43	MC	1	1693	0.350	0.241	0.323	512	0.564	122	0.508
44	MC	1	1693	0.535	0.375	0.485	512	0.719	122	0.795
45	MC	1	1693	0.525	0.428	0.515	512	0.676	122	0.730
46	MC	1	1693	0.457	0.350	0.408	512	0.697	122	0.779
47	MC	1	1693	0.354	0.243	0.284	512	0.613	122	0.549
48	MC	1	1693	0.422	0.268	0.370	512	0.580	122	0.541
49	MC	1	1693	0.386	0.217	0.296	512	0.613	122	0.639
50	MC	1	1693	0.615	0.420	0.505	512	0.775	122	0.828
51	MC	1	1693	0.317	0.144	0.207	512	0.520	122	0.443
52	MC	1	1693	0.370	0.280	0.353	512	0.580	122	0.664
53	MC	1	1693	0.284	0.118	0.189	512	0.354	122	0.377
54	MC	1	1689	0.752	0.306	0.320	474	0.850	123	0.902
55	MC	1	1689	0.494	0.289	0.378	474	0.646	123	0.715
56	MC	1	1689	0.631	0.445	0.496	474	0.821	123	0.870

**Table 6.13: Item-Level Statistics for Items in Reading on Stage III**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
57	MC	1	1689	0.632	0.274	0.328	474	0.795	123	0.748
58	MC	1	1689	0.516	0.369	0.428	474	0.696	123	0.748
59	MC	1	1689	0.677	0.450	0.483	474	0.848	123	0.878
60	MC	1	1689	0.361	0.330	0.394	474	0.586	123	0.593
61	MC	1	1689	0.370	0.285	0.355	474	0.551	123	0.496
62	MC	1	1689	0.472	0.156	0.186	474	0.593	123	0.561
63	MC	1	1689	0.382	0.277	0.364	474	0.580	123	0.691
64	MC	1	1689	0.514	0.435	0.516	474	0.713	123	0.797
65	MC	1	1689	0.288	0.214	0.275	474	0.466	123	0.431
66	MC	1	1689	0.561	0.374	0.451	474	0.762	123	0.821
67	MC	1	1689	0.402	0.239	0.322	474	0.584	123	0.602
68	MC	1	1689	0.459	0.436	0.531	474	0.679	123	0.699
69	MC	1	1689	0.494	0.430	0.542	474	0.728	123	0.780
70	MC	1	1689	0.302	0.171	0.251	474	0.466	123	0.463
71	MC	1	1689	0.308	0.270	0.349	474	0.536	123	0.593
72	MC	1	1689	0.285	0.200	0.260	474	0.498	123	0.480
73	MC	1	1689	0.287	0.137	0.188	474	0.430	123	0.366
74	MC	1	1689	0.339	0.034	0.103	474	0.392	123	0.480
75	MC	1	1689	0.337	0.184	0.227	474	0.454	123	0.496
76	MC	1	1689	0.401	0.282	0.375	474	0.641	123	0.740
77	MC	1	1633	0.901	0.279	0.256	445	0.966	127	0.953
78	MC	1	1633	0.673	0.414	0.457	445	0.811	127	0.843
79	MC	1	1633	0.652	0.468	0.533	445	0.852	127	0.906
80	MC	1	1633	0.576	0.295	0.342	445	0.730	127	0.772
81	MC	1	1633	0.513	0.211	0.290	445	0.661	127	0.677
82	MC	1	1633	0.419	0.390	0.444	445	0.699	127	0.772
83	MC	1	1633	0.661	0.455	0.572	445	0.843	127	0.929
84	MC	1	1633	0.734	0.457	0.539	445	0.874	127	0.921
85	MC	1	1633	0.658	0.323	0.402	445	0.800	127	0.835
86	MC	1	1633	0.324	0.122	0.174	445	0.517	127	0.331
87	MC	1	1633	0.436	0.286	0.366	445	0.602	127	0.606
88	MC	1	1633	0.470	0.413	0.470	445	0.715	127	0.756
89	MC	1	1633	0.421	0.294	0.374	445	0.618	127	0.630
90	MC	1	1633	0.442	0.369	0.438	445	0.661	127	0.724
91	MC	1	1633	0.171	0.015	0.036	445	0.243	127	0.268
92	MC	1	1633	0.299	-0.025	0.015	445	0.351	127	0.299
93	MC	1	1633	0.289	0.158	0.260	445	0.452	127	0.457
94	MC	1	1633	0.442	0.289	0.392	445	0.584	127	0.575
95	MC	1	1633	0.288	0.079	0.137	445	0.387	127	0.307
96	MC	1	1633	0.241	0.075	0.143	445	0.378	127	0.283
97	MC	1	1633	0.244	0.102	0.137	445	0.371	127	0.378
98	MC	1	1633	0.299	0.115	0.197	445	0.429	127	0.480
99	MC	1	1633	0.355	0.262	0.330	445	0.600	127	0.543
100	SA1	1	6668	0.699	0.310	0.284	1991	0.789	479	0.841
101	SA1	1	6668	0.208	0.333	0.381	1991	0.467	479	0.432
102	SA1	1	1653	0.712	0.329	0.306	560	0.820	107	0.832
103	SA1	1	1653	0.367	0.256	0.262	560	0.461	107	0.467
104	SA1	1	1653	0.269	0.382	0.442	560	0.589	107	0.570
105	SA1	1	1653	0.153	0.309	0.361	560	0.423	107	0.327
106	SA1	1	1693	0.201	0.173	0.188	512	0.404	122	0.295
107	SA1	1	1693	0.053	0.038	0.069	512	0.146	122	0.041
108	SA1	1	1693	0.177	0.332	0.384	512	0.465	122	0.410
109	SA1	1	1693	0.113	0.219	0.278	512	0.250	122	0.221
110	SA1	1	1689	0.247	0.155	0.172	474	0.259	123	0.228
111	SA1	1	1689	0.463	0.261	0.264	474	0.603	123	0.618
112	SA1	1	1689	0.443	0.483	0.493	474	0.719	123	0.837

**Table 6.13: Item-Level Statistics for Items in Reading on Stage III**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
113	SA1	1	1689	0.239	0.331	0.349	474	0.557	123	0.423
114	SA1	1	1633	0.432	0.301	0.279	445	0.564	127	0.646
115	SA1	1	1633	0.375	0.161	0.186	445	0.420	127	0.488
116	SA1	1	1633	0.221	0.336	0.367	445	0.589	127	0.378
117	SA1	1	1633	0.231	0.342	0.385	445	0.537	127	0.433

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.14: Item-Level Statistics for Items in Writing on Stage III**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
118	MC	1	6668	0.709	0.337	0.441	1991	0.790	479	0.866
119	MC	1	6668	0.560	0.426	0.491	1991	0.792	479	0.829
120	MC	1	1653	0.396	0.276	0.386	560	0.632	107	0.570
121	MC	1	1653	0.346	0.151	0.204	560	0.439	107	0.505
122	MC	1	1653	0.641	0.393	0.489	560	0.813	107	0.804
123	MC	1	1653	0.362	0.253	0.377	560	0.552	107	0.514
124	MC	1	1653	0.834	0.308	0.418	560	0.918	107	0.953
125	MC	1	1653	0.727	0.396	0.483	560	0.830	107	0.916
126	MC	1	1653	0.405	0.295	0.401	560	0.511	107	0.533
127	MC	1	1653	0.557	0.437	0.523	560	0.816	107	0.813
128	MC	1	1653	0.584	0.358	0.458	560	0.780	107	0.766
129	MC	1	1653	0.826	0.400	0.474	560	0.921	107	0.953
130	MC	1	1693	0.862	0.379	0.462	512	0.918	122	0.992
131	MC	1	1693	0.598	0.279	0.379	512	0.645	122	0.787
132	MC	1	1693	0.552	0.407	0.486	512	0.734	122	0.820
133	MC	1	1693	0.458	0.257	0.358	512	0.568	122	0.648
134	MC	1	1693	0.346	0.318	0.398	512	0.521	122	0.607
135	MC	1	1693	0.549	0.374	0.435	512	0.701	122	0.770
136	MC	1	1693	0.807	0.443	0.503	512	0.895	122	0.967
137	MC	1	1693	0.787	0.408	0.478	512	0.859	122	0.926
138	MC	1	1693	0.507	0.356	0.453	512	0.721	122	0.738
139	MC	1	1693	0.705	0.440	0.534	512	0.840	122	0.893
140	MC	1	1689	0.857	0.401	0.469	474	0.918	123	0.959
141	MC	1	1689	0.491	0.211	0.300	474	0.618	123	0.602
142	MC	1	1689	0.487	0.342	0.452	474	0.624	123	0.650
143	MC	1	1689	0.525	0.322	0.423	474	0.671	123	0.691
144	MC	1	1689	0.702	0.382	0.491	474	0.852	123	0.886
145	MC	1	1689	0.303	0.166	0.246	474	0.513	123	0.407
146	MC	1	1689	0.622	0.411	0.478	474	0.764	123	0.821
147	MC	1	1689	0.455	0.283	0.382	474	0.631	123	0.659
148	MC	1	1689	0.700	0.457	0.510	474	0.842	123	0.919
149	MC	1	1689	0.488	0.361	0.427	474	0.654	123	0.699
150	MC	1	1633	0.697	0.301	0.385	445	0.764	127	0.858
151	MC	1	1633	0.219	-0.016	0.080	445	0.238	127	0.220
152	MC	1	1633	0.543	0.337	0.454	445	0.692	127	0.693
153	MC	1	1633	0.443	0.238	0.352	445	0.613	127	0.638
154	MC	1	1633	0.454	0.223	0.317	445	0.620	127	0.661
155	MC	1	1633	0.641	0.330	0.419	445	0.708	127	0.764
156	MC	1	1633	0.784	0.470	0.564	445	0.881	127	0.961
157	MC	1	1633	0.707	0.435	0.535	445	0.861	127	0.921
158	MC	1	1633	0.676	0.388	0.464	445	0.802	127	0.866
159	MC	1	1633	0.565	0.194	0.275	445	0.793	127	0.693
160	ER	5	6668	0.426	0.525	0.651	1991	0.487	479	0.516
161	ER	5	1653	0.470	0.542	0.653	560	0.516	107	0.551
162	ER	5	1653	0.454	0.508	0.636	560	0.503	107	0.527
163	ER	5	1693	0.478	0.616	0.706	512	0.552	122	0.592
164	ER	5	1693	0.433	0.618	0.727	512	0.512	122	0.534
165	ER	5	1689	0.390	0.546	0.658	474	0.476	123	0.527
166	ER	5	1689	0.450	0.579	0.709	474	0.517	123	0.545
167	ER	5	1633	0.396	0.500	0.628	445	0.484	127	0.480
168	ER	5	1633	0.413	0.557	0.673	445	0.485	127	0.518

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.15: Item-Level Statistics for Items in Listening on Stage III**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
169	MC	1	6668	0.606	0.279	0.424	1991	0.749	479	0.727
170	MC	1	6668	0.784	0.304	0.433	1991	0.874	479	0.877
171	MC	1	6668	0.463	0.339	0.449	1991	0.687	479	0.693
172	MC	1	1653	0.901	0.260	0.415	560	0.932	107	0.953
173	MC	1	1653	0.750	0.275	0.378	560	0.875	107	0.822
174	MC	1	1653	0.857	0.326	0.500	560	0.925	107	0.991
175	MC	1	1653	0.889	0.300	0.498	560	0.921	107	0.972
176	MC	1	1653	0.615	0.260	0.437	560	0.727	107	0.729
177	MC	1	1653	0.840	0.348	0.475	560	0.914	107	0.953
178	MC	1	1653	0.490	0.164	0.329	560	0.623	107	0.579
179	MC	1	1653	0.773	0.382	0.500	560	0.907	107	0.925
180	MC	1	1653	0.454	0.391	0.488	560	0.652	107	0.645
181	MC	1	1693	0.246	0.076	0.201	512	0.393	122	0.344
182	MC	1	1693	0.677	0.228	0.395	512	0.805	122	0.770
183	MC	1	1693	0.928	0.231	0.385	512	0.953	122	0.967
184	MC	1	1693	0.674	0.236	0.405	512	0.768	122	0.836
185	MC	1	1693	0.736	0.367	0.464	512	0.813	122	0.877
186	MC	1	1693	0.480	0.240	0.412	512	0.656	122	0.623
187	MC	1	1693	0.711	0.427	0.573	512	0.879	122	0.918
188	MC	1	1693	0.703	0.340	0.512	512	0.842	122	0.861
189	MC	1	1693	0.490	0.268	0.436	512	0.605	122	0.566
190	MC	1	1689	0.714	0.253	0.350	474	0.800	123	0.846
191	MC	1	1689	0.666	0.243	0.400	474	0.838	123	0.805
192	MC	1	1689	0.635	0.290	0.503	474	0.749	123	0.764
193	MC	1	1689	0.808	0.278	0.398	474	0.882	123	0.894
194	MC	1	1689	0.599	0.234	0.392	474	0.755	123	0.748
195	MC	1	1689	0.674	0.244	0.445	474	0.745	123	0.740
196	MC	1	1689	0.850	0.355	0.481	474	0.884	123	0.967
197	MC	1	1689	0.557	0.251	0.454	474	0.662	123	0.715
198	MC	1	1689	0.725	0.427	0.537	474	0.831	123	0.886
199	MC	1	1633	0.285	0.193	0.306	445	0.497	127	0.362
200	MC	1	1633	0.613	0.278	0.421	445	0.773	127	0.740
201	MC	1	1633	0.930	0.209	0.342	445	0.964	127	0.969
202	MC	1	1633	0.189	0.111	0.273	445	0.476	127	0.315
203	MC	1	1633	0.426	0.053	0.258	445	0.420	127	0.441
204	MC	1	1633	0.524	0.314	0.474	445	0.697	127	0.724
205	MC	1	1633	0.568	0.231	0.417	445	0.762	127	0.693
206	MC	1	1633	0.535	0.291	0.443	445	0.739	127	0.701
207	MC	1	1633	0.599	0.270	0.402	445	0.748	127	0.780

Note: MC=Multiple-choice Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.16: Item-Level Statistics for Items in Speaking on Stage III**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
208	SA4	4	6668	0.648	0.514	0.647	1991	0.740	479	0.745
209	SA4	4	6668	0.726	0.450	0.624	1991	0.785	479	0.791
210	SA4	4	1653	0.807	0.387	0.572	560	0.831	107	0.848
211	SA4	4	1653	0.754	0.427	0.562	560	0.790	107	0.808
212	SA4	4	1653	0.638	0.494	0.616	560	0.749	107	0.766
213	SA4	4	1653	0.566	0.471	0.636	560	0.673	107	0.652
214	SA4	4	1653	0.649	0.471	0.607	560	0.724	107	0.701
215	SA4	4	1653	0.690	0.489	0.599	560	0.749	107	0.738
216	SA4	4	1653	0.544	0.413	0.632	560	0.600	107	0.654
217	SA4	4	1653	0.562	0.438	0.616	560	0.616	107	0.626
218	SA4	4	1693	0.754	0.432	0.618	512	0.800	122	0.797
219	SA4	4	1693	0.771	0.464	0.614	512	0.810	122	0.826
220	SA4	4	1693	0.613	0.514	0.643	512	0.727	122	0.742
221	SA4	4	1693	0.632	0.539	0.637	512	0.731	122	0.770
222	SA4	4	1693	0.643	0.506	0.665	512	0.746	122	0.797
223	SA4	4	1693	0.626	0.527	0.670	512	0.732	122	0.781
224	SA4	4	1693	0.494	0.431	0.596	512	0.551	122	0.566
225	SA4	4	1693	0.578	0.423	0.606	512	0.607	122	0.658
226	SA4	4	1689	0.735	0.413	0.572	474	0.777	123	0.787
227	SA4	4	1689	0.651	0.460	0.642	474	0.695	123	0.744
228	SA4	4	1689	0.626	0.513	0.657	474	0.682	123	0.746
229	SA4	4	1689	0.630	0.564	0.676	474	0.711	123	0.742
230	SA4	4	1689	0.659	0.478	0.650	474	0.759	123	0.746
231	SA4	4	1689	0.655	0.506	0.662	474	0.701	123	0.734
232	SA4	4	1689	0.596	0.446	0.663	474	0.639	123	0.681
233	SA4	4	1689	0.541	0.390	0.588	474	0.569	123	0.614
234	SA4	4	1633	0.784	0.420	0.597	445	0.843	127	0.823
235	SA4	4	1633	0.615	0.521	0.688	445	0.754	127	0.754
236	SA4	4	1633	0.622	0.572	0.734	445	0.780	127	0.762
237	SA4	4	1633	0.618	0.579	0.732	445	0.775	127	0.744
238	SA4	4	1633	0.524	0.436	0.628	445	0.649	127	0.598
239	SA4	4	1633	0.650	0.418	0.569	445	0.694	127	0.707
240	SA4	4	1633	0.493	0.346	0.549	445	0.522	127	0.551
241	SA4	4	1633	0.692	0.386	0.564	445	0.740	127	0.748

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table 6.17: Item-Level Statistics for Items in Reading on Stage IV**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
1	MC	1	4204	0.836	0.344	0.356	1691	0.916	278	0.957
2	MC	1	4204	0.353	0.129	0.254	1691	0.597	278	0.460
3	MC	1	4204	0.188	0.075	0.163	1691	0.468	278	0.295
4	MC	1	4204	0.397	0.101	0.194	1691	0.623	278	0.525
5	MC	1	4204	0.494	0.292	0.420	1691	0.753	278	0.759
6	MC	1	4204	0.390	0.221	0.344	1691	0.739	278	0.662
7	MC	1	4204	0.262	0.130	0.215	1691	0.584	278	0.432
8	MC	1	996	0.791	0.248	0.296	423	0.863	76	0.908
9	MC	1	996	0.617	0.356	0.452	423	0.811	76	0.842
10	MC	1	996	0.722	0.325	0.367	423	0.894	76	0.895
11	MC	1	996	0.338	0.218	0.293	423	0.596	76	0.539
12	MC	1	996	0.288	0.145	0.267	423	0.582	76	0.447
13	MC	1	996	0.567	0.280	0.388	423	0.809	76	0.829
14	MC	1	996	0.459	0.251	0.383	423	0.794	76	0.671
15	MC	1	996	0.294	0.119	0.287	423	0.586	76	0.421
16	MC	1	996	0.497	0.232	0.353	423	0.764	76	0.645
17	MC	1	996	0.372	0.070	0.192	423	0.544	76	0.526
18	MC	1	996	0.272	0.172	0.318	423	0.619	76	0.513
19	MC	1	996	0.261	0.100	0.171	423	0.392	76	0.289
20	MC	1	996	0.221	0.066	0.166	423	0.281	76	0.289
21	MC	1	996	0.272	0.125	0.193	423	0.518	76	0.342
22	MC	1	996	0.334	0.193	0.311	423	0.652	76	0.605
23	MC	1	996	0.422	0.299	0.448	423	0.742	76	0.724
24	MC	1	996	0.309	0.164	0.267	423	0.565	76	0.447
25	MC	1	996	0.250	0.058	0.160	423	0.404	76	0.342
26	MC	1	996	0.311	0.151	0.285	423	0.608	76	0.487
27	MC	1	996	0.254	0.060	0.177	423	0.546	76	0.368
28	MC	1	996	0.262	0.061	0.105	423	0.537	76	0.342
29	MC	1	1048	0.809	0.311	0.363	433	0.908	74	0.959
30	MC	1	1048	0.764	0.434	0.449	433	0.880	74	0.919
31	MC	1	1048	0.853	0.407	0.388	433	0.912	74	0.986
32	MC	1	1048	0.303	0.138	0.266	433	0.480	74	0.338
33	MC	1	1048	0.416	0.272	0.370	433	0.661	74	0.595
34	MC	1	1048	0.264	0.099	0.174	433	0.529	74	0.297
35	MC	1	1048	0.465	0.297	0.414	433	0.774	74	0.689
36	MC	1	1048	0.571	0.333	0.450	433	0.744	74	0.784
37	MC	1	1048	0.432	0.304	0.407	433	0.700	74	0.635
38	MC	1	1048	0.391	0.243	0.349	433	0.661	74	0.541
39	MC	1	1048	0.284	0.088	0.192	433	0.557	74	0.392
40	MC	1	1048	0.277	0.070	0.161	433	0.508	74	0.392
41	MC	1	1048	0.149	0.117	0.137	433	0.533	74	0.257
42	MC	1	1048	0.287	0.112	0.193	433	0.527	74	0.351
43	MC	1	1048	0.335	0.133	0.260	433	0.640	74	0.378
44	MC	1	1048	0.407	0.333	0.438	433	0.707	74	0.676
45	MC	1	1048	0.557	0.383	0.508	433	0.827	74	0.811
46	MC	1	1048	0.317	0.204	0.322	433	0.575	74	0.486
47	MC	1	1048	0.451	0.375	0.461	433	0.700	74	0.622
48	MC	1	1048	0.419	0.220	0.320	433	0.700	74	0.554
49	MC	1	1048	0.537	0.391	0.513	433	0.792	74	0.730
50	MC	1	1109	0.475	0.253	0.348	435	0.752	61	0.639
51	MC	1	1109	0.693	0.427	0.415	435	0.846	61	0.885
52	MC	1	1109	0.862	0.311	0.354	435	0.913	61	0.967
53	MC	1	1109	0.632	0.322	0.457	435	0.818	61	0.803
54	MC	1	1109	0.425	0.307	0.394	435	0.710	61	0.738
55	MC	1	1109	0.457	0.334	0.364	435	0.699	61	0.574
56	MC	1	1109	0.221	-0.027	0.050	435	0.195	61	0.197

**Table 6.17: Item-Level Statistics for Items in Reading on Stage IV**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
57	MC	1	1109	0.322	0.132	0.255	435	0.589	61	0.525
58	MC	1	1109	0.303	0.167	0.276	435	0.446	61	0.393
59	MC	1	1109	0.463	0.244	0.381	435	0.637	61	0.639
60	MC	1	1109	0.471	0.272	0.367	435	0.763	61	0.656
61	MC	1	1109	0.374	0.181	0.308	435	0.653	61	0.557
62	MC	1	1109	0.328	0.217	0.393	435	0.621	61	0.557
63	MC	1	1109	0.181	-0.053	0.045	435	0.322	61	0.164
64	MC	1	1109	0.327	0.149	0.236	435	0.621	61	0.590
65	MC	1	1109	0.243	0.135	0.247	435	0.333	61	0.279
66	MC	1	1109	0.332	0.184	0.348	435	0.625	61	0.557
67	MC	1	1109	0.200	-0.060	0.044	435	0.283	61	0.098
68	MC	1	1109	0.301	0.238	0.362	435	0.621	61	0.492
69	MC	1	1109	0.350	0.209	0.344	435	0.625	61	0.623
70	MC	1	1109	0.235	0.030	0.141	435	0.428	61	0.246
71	MC	1	1051	0.470	0.295	0.415	400	0.733	67	0.657
72	MC	1	1051	0.561	0.365	0.421	400	0.795	67	0.851
73	MC	1	1051	0.789	0.459	0.437	400	0.893	67	0.985
74	MC	1	1051	0.832	0.369	0.405	400	0.930	67	0.910
75	MC	1	1051	0.391	0.242	0.373	400	0.673	67	0.612
76	MC	1	1051	0.616	0.197	0.319	400	0.755	67	0.821
77	MC	1	1051	0.360	0.172	0.334	400	0.665	67	0.612
78	MC	1	1051	0.521	0.150	0.235	400	0.723	67	0.716
79	MC	1	1051	0.337	0.248	0.361	400	0.650	67	0.507
80	MC	1	1051	0.510	0.370	0.491	400	0.765	67	0.836
81	MC	1	1051	0.302	0.178	0.304	400	0.568	67	0.478
82	MC	1	1051	0.369	0.170	0.237	400	0.578	67	0.493
83	MC	1	1051	0.406	0.135	0.254	400	0.653	67	0.537
84	MC	1	1051	0.226	0.172	0.246	400	0.548	67	0.373
85	MC	1	1051	0.251	0.028	0.131	400	0.348	67	0.254
86	MC	1	1051	0.320	0.218	0.321	400	0.625	67	0.493
87	MC	1	1051	0.270	0.110	0.227	400	0.523	67	0.388
88	MC	1	1051	0.265	0.208	0.341	400	0.563	67	0.552
89	MC	1	1051	0.312	0.174	0.310	400	0.640	67	0.552
90	MC	1	1051	0.283	0.170	0.257	400	0.528	67	0.343
91	MC	1	1051	0.245	0.155	0.196	400	0.500	67	0.343
92	SA1	1	2105	0.294	0.319	0.309	858	0.657	137	0.562
93	SA1	1	996	0.248	0.250	0.270	423	0.525	76	0.461
94	SA1	1	2099	0.228	0.263	0.280	833	0.635	141	0.461
95	SA1	1	1048	0.188	0.227	0.275	433	0.550	74	0.405
96	SA1	1	1109	0.126	0.160	0.190	435	0.352	61	0.279
97	SA1	1	1051	0.156	0.260	0.285	400	0.543	67	0.313

Note: MC=Multiple-choice Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.18: Item-Level Statistics for Items in Writing on Stage IV**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
98	MC	1	4204	0.697	0.222	0.312	1691	0.859	278	0.809
99	MC	1	4204	0.808	0.295	0.391	1691	0.924	278	0.946
100	MC	1	4204	0.425	0.170	0.270	1691	0.696	278	0.590
101	MC	1	996	0.918	0.332	0.396	423	0.950	76	1.000
102	MC	1	996	0.813	0.276	0.396	423	0.863	76	0.895
103	MC	1	996	0.415	0.269	0.342	423	0.657	76	0.658
104	MC	1	996	0.454	0.255	0.352	423	0.723	76	0.711
105	MC	1	996	0.861	0.232	0.309	423	0.953	76	0.987
106	MC	1	996	0.419	0.323	0.344	423	0.714	76	0.697
107	MC	1	996	0.404	0.213	0.268	423	0.539	76	0.487
108	MC	1	996	0.792	0.385	0.441	423	0.898	76	0.961
109	MC	1	996	0.325	0.161	0.234	423	0.612	76	0.513
110	MC	1	996	0.630	0.284	0.404	423	0.816	76	0.724
111	MC	1	996	0.474	0.312	0.405	423	0.787	76	0.658
112	MC	1	996	0.621	0.392	0.498	423	0.849	76	0.895
113	MC	1	996	0.319	0.138	0.223	423	0.600	76	0.500
114	MC	1	996	0.530	0.243	0.339	423	0.714	76	0.632
115	MC	1	996	0.197	-0.010	0.020	423	0.326	76	0.184
116	MC	1	1048	0.603	0.186	0.283	433	0.843	74	0.689
117	MC	1	1048	0.651	0.166	0.279	433	0.790	74	0.703
118	MC	1	1048	0.393	0.300	0.394	433	0.727	74	0.716
119	MC	1	1048	0.309	0.147	0.223	433	0.561	74	0.446
120	MC	1	1048	0.684	0.248	0.379	433	0.790	74	0.811
121	MC	1	1048	0.530	0.238	0.347	433	0.714	74	0.649
122	MC	1	1048	0.789	0.347	0.415	433	0.894	74	0.932
123	MC	1	1048	0.753	0.452	0.513	433	0.852	74	0.959
124	MC	1	1048	0.447	0.279	0.332	433	0.794	74	0.703
125	MC	1	1048	0.360	0.172	0.246	433	0.552	74	0.527
126	MC	1	1048	0.703	0.402	0.513	433	0.866	74	0.932
127	MC	1	1048	0.501	0.215	0.277	433	0.707	74	0.662
128	MC	1	1048	0.401	0.315	0.368	433	0.725	74	0.703
129	MC	1	1048	0.258	0.253	0.295	433	0.570	74	0.473
130	MC	1	1048	0.563	0.330	0.423	433	0.804	74	0.743
131	MC	1	1109	0.842	0.296	0.450	435	0.929	61	0.951
132	MC	1	1109	0.483	0.116	0.245	435	0.657	61	0.754
133	MC	1	1109	0.719	0.239	0.367	435	0.851	61	0.820
134	MC	1	1109	0.581	0.268	0.365	435	0.759	61	0.770
135	MC	1	1109	0.441	0.171	0.242	435	0.637	61	0.590
136	MC	1	1109	0.705	0.430	0.481	435	0.839	61	0.918
137	MC	1	1109	0.413	0.300	0.330	435	0.664	61	0.557
138	MC	1	1109	0.463	0.365	0.471	435	0.701	61	0.754
139	MC	1	1109	0.599	0.353	0.408	435	0.814	61	0.820
140	MC	1	1109	0.409	0.206	0.232	435	0.676	61	0.590
141	MC	1	1109	0.327	0.238	0.295	435	0.618	61	0.443
142	MC	1	1109	0.198	0.168	0.187	435	0.478	61	0.344
143	MC	1	1109	0.508	0.249	0.339	435	0.690	61	0.721
144	MC	1	1109	0.466	0.174	0.269	435	0.653	61	0.590
145	MC	1	1109	0.653	0.413	0.455	435	0.814	61	0.820
146	MC	1	1051	0.508	0.183	0.282	400	0.778	67	0.761
147	MC	1	1051	0.310	0.062	0.140	400	0.485	67	0.224
148	MC	1	1051	0.602	0.352	0.417	400	0.825	67	0.806
149	MC	1	1051	0.877	0.301	0.390	400	0.968	67	0.955
150	MC	1	1051	0.358	0.256	0.326	400	0.720	67	0.701
151	MC	1	1051	0.662	0.379	0.443	400	0.878	67	0.940
152	MC	1	1051	0.186	0.039	0.069	400	0.448	67	0.179
153	MC	1	1051	0.741	0.363	0.428	400	0.890	67	0.925

**Table 6.18: Item-Level Statistics for Items in Writing on Stage IV**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
154	MC	1	1051	0.629	0.372	0.485	400	0.815	67	0.866
155	MC	1	1051	0.847	0.335	0.433	400	0.910	67	0.970
156	MC	1	1051	0.260	0.149	0.203	400	0.405	67	0.343
157	MC	1	1051	0.625	0.398	0.466	400	0.840	67	0.761
158	MC	1	1051	0.520	0.263	0.373	400	0.748	67	0.716
159	MC	1	1051	0.340	0.079	0.161	400	0.540	67	0.403
160	MC	1	1051	0.275	0.056	0.127	400	0.493	67	0.343
161	ER	5	4204	0.507	0.496	0.618	1691	0.572	278	0.583
162	ER	5	996	0.490	0.554	0.653	423	0.590	76	0.605
163	ER	5	996	0.502	0.546	0.653	423	0.581	76	0.579
164	ER	5	1048	0.514	0.562	0.649	433	0.576	74	0.581
165	ER	5	1048	0.472	0.535	0.631	433	0.549	74	0.557
166	ER	5	1109	0.494	0.603	0.680	435	0.545	61	0.554
167	ER	5	1109	0.519	0.617	0.725	435	0.580	61	0.593
168	ER	5	1051	0.439	0.506	0.628	400	0.544	67	0.546
169	ER	5	1051	0.476	0.496	0.635	400	0.546	67	0.549

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.19: Item-Level Statistics for Items in Listening on Stage IV**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
170	MC	1	4204	0.683	0.245	0.346	1691	0.866	278	0.888
171	MC	1	4204	0.613	0.312	0.443	1691	0.784	278	0.791
172	MC	1	996	0.887	0.221	0.326	423	0.908	76	0.961
173	MC	1	996	0.611	0.139	0.355	423	0.804	76	0.711
174	MC	1	996	0.762	0.237	0.412	423	0.811	76	0.868
175	MC	1	996	0.178	0.113	0.250	423	0.513	76	0.395
176	MC	1	996	0.651	0.256	0.507	423	0.790	76	0.803
177	MC	1	996	0.696	0.374	0.537	423	0.818	76	0.803
178	MC	1	996	0.806	0.328	0.450	423	0.908	76	0.895
179	MC	1	996	0.578	0.284	0.489	423	0.801	76	0.803
180	MC	1	996	0.877	0.306	0.449	423	0.915	76	0.974
181	MC	1	996	0.638	0.296	0.472	423	0.754	76	0.803
182	MC	1	996	0.691	0.234	0.364	423	0.794	76	0.803
183	MC	1	1048	0.804	0.270	0.339	433	0.850	74	0.919
184	MC	1	1048	0.226	0.025	0.205	433	0.432	74	0.243
185	MC	1	1048	0.446	0.227	0.436	433	0.630	74	0.581
186	MC	1	1048	0.427	0.146	0.329	433	0.704	74	0.527
187	MC	1	1048	0.490	0.219	0.328	433	0.727	74	0.608
188	MC	1	1048	0.511	0.289	0.444	433	0.764	74	0.541
189	MC	1	1048	0.649	0.389	0.485	433	0.820	74	0.865
190	MC	1	1048	0.449	0.202	0.373	433	0.656	74	0.473
191	MC	1	1048	0.554	0.198	0.345	433	0.554	74	0.486
192	MC	1	1048	0.780	0.306	0.442	433	0.873	74	0.919
193	MC	1	1048	0.652	0.258	0.415	433	0.815	74	0.770
194	MC	1	1109	0.928	0.382	0.401	435	0.915	61	0.967
195	MC	1	1109	0.589	0.331	0.473	435	0.814	61	0.754
196	MC	1	1109	0.779	0.464	0.506	435	0.883	61	0.918
197	MC	1	1109	0.431	0.115	0.282	435	0.497	61	0.459
198	MC	1	1109	0.775	0.267	0.396	435	0.848	61	0.885
199	MC	1	1109	0.411	0.236	0.409	435	0.598	61	0.590
200	MC	1	1109	0.392	0.221	0.381	435	0.648	61	0.639
201	MC	1	1109	0.415	0.307	0.439	435	0.644	61	0.639
202	MC	1	1109	0.889	0.437	0.495	435	0.920	61	0.951
203	MC	1	1109	0.774	0.283	0.423	435	0.841	61	0.787
204	MC	1	1109	0.732	0.249	0.400	435	0.844	61	0.803
205	MC	1	1051	0.752	0.327	0.469	400	0.875	67	0.806
206	MC	1	1051	0.474	0.238	0.437	400	0.670	67	0.597
207	MC	1	1051	0.640	0.367	0.495	400	0.825	67	0.836
208	MC	1	1051	0.316	0.079	0.298	400	0.438	67	0.463
209	MC	1	1051	0.791	0.334	0.475	400	0.938	67	0.896
210	MC	1	1051	0.532	0.308	0.451	400	0.725	67	0.687
211	MC	1	1051	0.949	0.339	0.421	400	0.963	67	0.970
212	MC	1	1051	0.708	0.252	0.395	400	0.865	67	0.866
213	MC	1	1051	0.347	0.187	0.312	400	0.633	67	0.418
214	MC	1	1051	0.816	0.425	0.520	400	0.900	67	0.925
215	MC	1	1051	0.858	0.198	0.306	400	0.950	67	0.896

Note: MC=Multiple-choice Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.20: Item-Level Statistics for Items in Speaking on Stage IV**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
216	SA4	4	4204	0.536	0.515	0.639	1691	0.593	278	0.620
217	SA4	4	996	0.446	0.483	0.571	423	0.551	76	0.609
218	SA4	4	996	0.625	0.551	0.678	423	0.678	76	0.727
219	SA4	4	996	0.516	0.508	0.649	423	0.559	76	0.625
220	SA4	4	996	0.491	0.564	0.703	423	0.564	76	0.615
221	SA4	4	1048	0.779	0.413	0.529	433	0.830	74	0.838
222	SA4	4	1048	0.493	0.418	0.662	433	0.569	74	0.510
223	SA4	4	1048	0.699	0.453	0.580	433	0.730	74	0.713
224	SA4	4	1048	0.570	0.475	0.633	433	0.613	74	0.639
225	SA4	4	1109	0.744	0.529	0.630	435	0.755	61	0.816
226	SA4	4	1109	0.536	0.456	0.613	435	0.556	61	0.627
227	SA4	4	1109	0.548	0.620	0.727	435	0.597	61	0.689
228	SA4	4	1109	0.496	0.509	0.657	435	0.560	61	0.607
229	SA4	4	1051	0.416	0.547	0.669	400	0.633	67	0.649
230	SA4	4	1051	0.561	0.600	0.701	400	0.719	67	0.754
231	SA4	4	1051	0.554	0.507	0.635	400	0.596	67	0.672
232	SA4	4	1051	0.533	0.565	0.704	400	0.640	67	0.653
233	SA4	4	4204	0.375	0.510	0.611	1691	0.618	278	0.620
234	SA4	4	996	0.457	0.550	0.699	423	0.662	76	0.694
235	SA4	4	996	0.373	0.489	0.685	423	0.505	76	0.530
236	SA4	4	996	0.567	0.531	0.665	423	0.622	76	0.671
237	SA4	4	1048	0.584	0.562	0.692	433	0.659	74	0.632
238	SA4	4	1048	0.436	0.445	0.637	433	0.547	74	0.520
239	SA4	4	1048	0.616	0.396	0.646	433	0.689	74	0.723
240	SA4	4	1109	0.611	0.588	0.706	435	0.757	61	0.803
241	SA4	4	1109	0.681	0.600	0.748	435	0.768	61	0.844
242	SA4	4	1109	0.610	0.532	0.718	435	0.742	61	0.795
243	SA4	4	1051	0.555	0.607	0.734	400	0.744	67	0.750
244	SA4	4	1051	0.443	0.537	0.675	400	0.582	67	0.608
245	SA4	4	1051	0.591	0.585	0.738	400	0.749	67	0.806

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.21: Item-Level Statistics for Items in Reading on Stage V**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
1	MC	1	3313	0.818	0.410	0.417	1623	0.896	117	0.949
2	MC	1	3313	0.340	0.193	0.276	1623	0.561	117	0.427
3	MC	1	3313	0.564	0.281	0.394	1623	0.648	117	0.641
4	MC	1	3313	0.420	0.204	0.350	1623	0.595	117	0.556
5	MC	1	3313	0.376	0.210	0.328	1623	0.545	117	0.368
6	MC	1	3313	0.553	0.404	0.522	1623	0.702	117	0.786
7	MC	1	3313	0.334	0.206	0.299	1623	0.545	117	0.368
8	MC	1	925	0.737	0.292	0.390	390	0.808	30	0.833
9	MC	1	925	0.685	0.435	0.473	390	0.813	30	0.767
10	MC	1	925	0.880	0.334	0.354	390	0.892	30	0.900
11	MC	1	925	0.204	0.118	0.206	390	0.385	30	0.200
12	MC	1	925	0.642	0.281	0.380	390	0.738	30	0.600
13	MC	1	925	0.668	0.394	0.414	390	0.790	30	0.800
14	MC	1	925	0.566	0.336	0.486	390	0.738	30	0.633
15	MC	1	925	0.388	0.368	0.422	390	0.597	30	0.500
16	MC	1	925	0.475	0.355	0.497	390	0.667	30	0.500
17	MC	1	925	0.318	0.209	0.317	390	0.582	30	0.300
18	MC	1	925	0.426	0.305	0.339	390	0.600	30	0.633
19	MC	1	925	0.595	0.300	0.464	390	0.749	30	0.700
20	MC	1	925	0.735	0.417	0.512	390	0.823	30	0.867
21	MC	1	925	0.298	0.132	0.186	390	0.487	30	0.267
22	MC	1	925	0.530	0.243	0.392	390	0.713	30	0.600
23	MC	1	925	0.435	0.272	0.384	390	0.597	30	0.533
24	MC	1	925	0.548	0.306	0.460	390	0.744	30	0.567
25	MC	1	925	0.309	0.113	0.187	390	0.487	30	0.300
26	MC	1	925	0.338	0.227	0.290	390	0.605	30	0.600
27	MC	1	925	0.297	0.115	0.224	390	0.441	30	0.333
28	MC	1	925	0.318	0.203	0.298	390	0.490	30	0.300
29	MC	1	925	0.201	0.102	0.219	390	0.485	30	0.300
30	MC	1	925	0.322	0.122	0.217	390	0.482	30	0.267
31	MC	1	825	0.553	0.181	0.229	491	0.721	34	0.735
32	MC	1	825	0.422	0.089	0.149	491	0.527	34	0.471
33	MC	1	825	0.904	0.301	0.324	491	0.912	34	1.000
34	MC	1	825	0.655	0.410	0.524	491	0.770	34	0.824
35	MC	1	825	0.697	0.429	0.495	491	0.768	34	0.882
36	MC	1	825	0.447	0.390	0.333	491	0.656	34	0.912
37	MC	1	825	0.653	0.456	0.460	491	0.682	34	0.912
38	MC	1	825	0.265	0.139	0.206	491	0.458	34	0.324
39	MC	1	825	0.646	0.337	0.404	491	0.717	34	0.824
40	MC	1	825	0.754	0.418	0.532	491	0.817	34	0.853
41	MC	1	825	0.519	0.311	0.375	491	0.670	34	0.735
42	MC	1	825	0.509	0.236	0.374	491	0.682	34	0.735
43	MC	1	825	0.428	0.346	0.455	491	0.654	34	0.676
44	MC	1	825	0.594	0.289	0.422	491	0.676	34	0.647
45	MC	1	825	0.635	0.389	0.493	491	0.727	34	0.794
46	MC	1	825	0.585	0.320	0.420	491	0.695	34	0.676
47	MC	1	825	0.319	0.209	0.330	491	0.536	34	0.588
48	MC	1	825	0.238	0.200	0.335	491	0.436	34	0.324
49	MC	1	825	0.442	0.299	0.411	491	0.538	34	0.471
50	MC	1	825	0.378	0.323	0.429	491	0.605	34	0.618
51	MC	1	825	0.352	0.230	0.328	491	0.534	34	0.353
52	MC	1	825	0.292	0.168	0.226	491	0.462	34	0.176
53	MC	1	825	0.327	0.021	0.149	491	0.466	34	0.294
54	MC	1	784	0.776	0.386	0.433	350	0.891	23	0.870
55	MC	1	784	0.619	0.380	0.307	350	0.809	23	0.957
56	MC	1	784	0.911	0.237	0.265	350	0.951	23	0.957

**Table 6.21: Item-Level Statistics for Items in Reading on Stage V**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
57	MC	1	784	0.448	0.269	0.408	350	0.589	23	0.565
58	MC	1	784	0.747	0.399	0.459	350	0.869	23	0.870
59	MC	1	784	0.469	0.278	0.359	350	0.723	23	0.739
60	MC	1	784	0.603	0.319	0.419	350	0.814	23	0.783
61	MC	1	784	0.534	0.424	0.528	350	0.740	23	0.783
62	MC	1	784	0.630	0.369	0.509	350	0.823	23	0.783
63	MC	1	784	0.580	0.384	0.497	350	0.743	23	0.739
64	MC	1	784	0.425	0.306	0.467	350	0.697	23	0.609
65	MC	1	784	0.515	0.306	0.436	350	0.754	23	0.696
66	MC	1	784	0.663	0.392	0.537	350	0.817	23	0.870
67	MC	1	784	0.482	0.170	0.290	350	0.594	23	0.522
68	MC	1	784	0.367	0.205	0.328	350	0.606	23	0.652
69	MC	1	784	0.402	0.172	0.259	350	0.606	23	0.565
70	MC	1	784	0.407	0.072	0.196	350	0.546	23	0.348
71	MC	1	784	0.505	0.327	0.426	350	0.671	23	0.609
72	MC	1	784	0.476	0.279	0.423	350	0.657	23	0.652
73	MC	1	784	0.324	0.179	0.345	350	0.563	23	0.522
74	MC	1	784	0.341	0.188	0.249	350	0.609	23	0.391
75	MC	1	784	0.439	0.150	0.219	350	0.603	23	0.609
76	MC	1	784	0.431	0.264	0.393	350	0.700	23	0.565
77	MC	1	779	0.706	0.339	0.451	392	0.832	30	0.933
78	MC	1	779	0.801	0.473	0.352	392	0.827	30	0.967
79	MC	1	779	0.878	0.328	0.352	392	0.921	30	0.967
80	MC	1	779	0.166	0.062	0.160	392	0.342	30	0.167
81	MC	1	779	0.680	0.245	0.333	392	0.837	30	0.800
82	MC	1	779	0.350	0.170	0.270	392	0.582	30	0.333
83	MC	1	779	0.339	0.172	0.338	392	0.589	30	0.567
84	MC	1	779	0.466	0.339	0.442	392	0.689	30	0.667
85	MC	1	779	0.494	0.166	0.295	392	0.617	30	0.667
86	MC	1	779	0.443	0.324	0.413	392	0.625	30	0.767
87	MC	1	779	0.582	0.119	0.282	392	0.781	30	0.533
88	MC	1	779	0.570	0.390	0.484	392	0.770	30	0.767
89	MC	1	779	0.597	0.296	0.426	392	0.765	30	0.800
90	MC	1	779	0.664	0.315	0.426	392	0.791	30	0.933
91	MC	1	779	0.424	0.279	0.377	392	0.477	30	0.467
92	MC	1	779	0.429	0.327	0.391	392	0.686	30	0.567
93	MC	1	779	0.302	0.241	0.283	392	0.474	30	0.400
94	MC	1	779	0.320	0.251	0.316	392	0.561	30	0.267
95	MC	1	779	0.498	0.321	0.459	392	0.689	30	0.667
96	MC	1	779	0.325	0.184	0.297	392	0.395	30	0.433
97	MC	1	779	0.331	0.227	0.291	392	0.599	30	0.433
98	MC	1	779	0.302	0.107	0.203	392	0.367	30	0.500
99	MC	1	779	0.345	0.326	0.372	392	0.625	30	0.600

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table 6.22: Item-Level Statistics for Items in Writing on Stage V**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
100	MC	1	3313	0.695	0.331	0.392	1623	0.818	117	0.855
101	MC	1	3313	0.908	0.230	0.304	1623	0.925	117	0.932
102	MC	1	925	0.618	0.286	0.348	390	0.723	30	0.767
103	MC	1	925	0.355	0.163	0.248	390	0.490	30	0.267
104	MC	1	925	0.827	0.164	0.306	390	0.877	30	0.867
105	MC	1	925	0.656	0.162	0.267	390	0.690	30	0.633
106	MC	1	925	0.498	0.395	0.433	390	0.708	30	0.800
107	MC	1	925	0.762	0.317	0.386	390	0.808	30	0.967
108	MC	1	925	0.838	0.327	0.451	390	0.867	30	1.000
109	MC	1	925	0.941	0.232	0.380	390	0.967	30	1.000
110	MC	1	925	0.861	0.368	0.452	390	0.844	30	0.967
111	MC	1	925	0.516	0.362	0.408	390	0.695	30	0.867
112	MC	1	925	0.725	0.461	0.473	390	0.803	30	1.000
113	MC	1	925	0.537	0.203	0.289	390	0.638	30	0.667
114	MC	1	925	0.416	0.073	0.124	390	0.554	30	0.567
115	MC	1	925	0.561	0.244	0.324	390	0.710	30	0.767
116	MC	1	925	0.451	0.198	0.243	390	0.649	30	0.467
117	MC	1	925	0.616	0.305	0.414	390	0.695	30	0.733
118	MC	1	925	0.597	0.386	0.475	390	0.710	30	0.833
119	MC	1	925	0.650	0.372	0.421	390	0.721	30	0.767
120	MC	1	825	0.632	0.399	0.484	491	0.654	34	0.853
121	MC	1	825	0.743	0.341	0.447	491	0.768	34	0.824
122	MC	1	825	0.181	0.078	0.120	491	0.285	34	0.206
123	MC	1	825	0.778	0.403	0.447	491	0.817	34	0.912
124	MC	1	825	0.298	0.242	0.320	491	0.438	34	0.471
125	MC	1	825	0.530	0.211	0.293	491	0.613	34	0.618
126	MC	1	825	0.242	0.248	0.287	491	0.358	34	0.353
127	MC	1	825	0.356	0.280	0.324	491	0.489	34	0.441
128	MC	1	825	0.886	0.355	0.423	491	0.888	34	0.971
129	MC	1	825	0.657	0.478	0.507	491	0.747	34	0.971
130	MC	1	825	0.516	0.428	0.494	491	0.711	34	0.794
131	MC	1	825	0.172	0.191	0.204	491	0.424	34	0.294
132	MC	1	825	0.350	0.240	0.319	491	0.527	34	0.618
133	MC	1	825	0.496	0.246	0.328	491	0.611	34	0.559
134	MC	1	825	0.833	0.410	0.505	491	0.815	34	0.941
135	MC	1	825	0.164	0.006	0.084	491	0.342	34	0.147
136	MC	1	825	0.462	0.350	0.410	491	0.646	34	0.588
137	MC	1	825	0.389	0.158	0.190	491	0.519	34	0.500
138	MC	1	784	0.135	0.017	0.073	350	0.343	23	0.348
139	MC	1	784	0.230	0.161	0.225	350	0.434	23	0.304
140	MC	1	784	0.591	0.279	0.352	350	0.729	23	0.739
141	MC	1	784	0.718	0.358	0.432	350	0.883	23	0.913
142	MC	1	784	0.307	0.241	0.344	350	0.506	23	0.435
143	MC	1	784	0.274	0.112	0.169	350	0.520	23	0.261
144	MC	1	784	0.737	0.345	0.307	350	0.866	23	0.957
145	MC	1	784	0.855	0.403	0.460	350	0.917	23	1.000
146	MC	1	784	0.834	0.292	0.420	350	0.931	23	0.913
147	MC	1	784	0.783	0.399	0.471	350	0.883	23	1.000
148	MC	1	784	0.152	-0.014	0.048	350	0.151	23	0.043
149	MC	1	784	0.621	0.327	0.374	350	0.769	23	0.870
150	MC	1	784	0.371	0.113	0.158	350	0.723	23	0.522
151	MC	1	784	0.434	0.315	0.338	350	0.680	23	0.565
152	MC	1	784	0.764	0.359	0.435	350	0.849	23	0.957
153	MC	1	784	0.566	0.189	0.255	350	0.623	23	0.609
154	MC	1	784	0.471	0.177	0.275	350	0.703	23	0.783
155	MC	1	784	0.459	0.303	0.330	350	0.777	23	0.739

**Table 6.22: Item-Level Statistics for Items in Writing on Stage V**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
156	MC	1	779	0.406	0.226	0.312	392	0.559	30	0.433
157	MC	1	779	0.380	0.184	0.246	392	0.625	30	0.467
158	MC	1	779	0.793	0.297	0.379	392	0.852	30	0.867
159	MC	1	779	0.186	0.197	0.277	392	0.235	30	0.300
160	MC	1	779	0.679	0.451	0.485	392	0.796	30	0.900
161	MC	1	779	0.637	0.356	0.395	392	0.814	30	0.933
162	MC	1	779	0.712	0.226	0.339	392	0.796	30	0.833
163	MC	1	779	0.223	0.028	0.074	392	0.449	30	0.267
164	MC	1	779	0.707	0.425	0.468	392	0.816	30	0.867
165	MC	1	779	0.516	0.368	0.392	392	0.712	30	0.767
166	MC	1	779	0.597	0.429	0.470	392	0.776	30	0.867
167	MC	1	779	0.204	0.163	0.214	392	0.520	30	0.400
168	MC	1	779	0.565	0.127	0.205	392	0.605	30	0.500
169	MC	1	779	0.261	0.264	0.286	392	0.551	30	0.267
170	MC	1	779	0.612	0.431	0.449	392	0.742	30	0.800
171	MC	1	779	0.719	0.406	0.464	392	0.811	30	0.800
172	MC	1	779	0.639	0.486	0.529	392	0.786	30	0.867
173	MC	1	779	0.158	0.014	0.057	392	0.258	30	0.167
174	ER	5	3313	0.512	0.609	0.693	1623	0.564	117	0.627
175	ER	5	925	0.581	0.581	0.680	390	0.611	30	0.620
176	ER	5	925	0.532	0.543	0.635	390	0.578	30	0.627
177	ER	5	825	0.571	0.593	0.691	491	0.593	34	0.735
178	ER	5	825	0.498	0.600	0.729	491	0.525	34	0.665
179	ER	5	784	0.578	0.629	0.696	350	0.677	23	0.670
180	ER	5	784	0.512	0.633	0.715	350	0.630	23	0.574
181	ER	5	779	0.545	0.631	0.674	392	0.599	30	0.633
182	ER	5	779	0.481	0.624	0.699	392	0.547	30	0.613

Note: MC=Multiple-choice Item, ER=Extended Response Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.23: Item-Level Statistics for Items in Listening on Stage V**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
183	MC	1	3313	0.964	0.282	0.277	1623	0.942	117	0.991
184	MC	1	3313	0.342	0.255	0.395	1623	0.576	117	0.590
185	MC	1	925	0.814	0.304	0.387	390	0.844	30	1.000
186	MC	1	925	0.562	0.323	0.483	390	0.669	30	0.767
187	MC	1	925	0.642	0.398	0.496	390	0.777	30	0.800
188	MC	1	925	0.544	0.297	0.454	390	0.695	30	0.633
189	MC	1	925	0.480	0.359	0.513	390	0.638	30	0.667
190	MC	1	925	0.606	0.290	0.430	390	0.697	30	0.633
191	MC	1	925	0.692	0.442	0.522	390	0.767	30	0.833
192	MC	1	925	0.450	0.330	0.519	390	0.674	30	0.600
193	MC	1	925	0.486	0.284	0.414	390	0.708	30	0.733
194	MC	1	925	0.613	0.328	0.495	390	0.705	30	0.800
195	MC	1	925	0.536	0.226	0.370	390	0.646	30	0.667
196	MC	1	825	0.794	0.284	0.373	491	0.788	34	0.882
197	MC	1	825	0.497	0.204	0.403	491	0.617	34	0.618
198	MC	1	825	0.690	0.358	0.460	491	0.692	34	0.765
199	MC	1	825	0.919	0.297	0.384	491	0.900	34	1.000
200	MC	1	825	0.588	0.395	0.496	491	0.635	34	0.794
201	MC	1	825	0.632	0.338	0.504	491	0.721	34	0.794
202	MC	1	825	0.712	0.350	0.486	491	0.727	34	0.853
203	MC	1	825	0.716	0.407	0.535	491	0.743	34	0.912
204	MC	1	825	0.796	0.412	0.496	491	0.843	34	0.882
205	MC	1	825	0.618	0.374	0.471	491	0.721	34	0.735
206	MC	1	825	0.335	0.240	0.398	491	0.511	34	0.500
207	MC	1	784	0.598	0.372	0.480	350	0.780	23	0.783
208	MC	1	784	0.732	0.337	0.451	350	0.851	23	0.913
209	MC	1	784	0.717	0.303	0.400	350	0.811	23	0.739
210	MC	1	784	0.856	0.448	0.459	350	0.909	23	0.870
211	MC	1	784	0.397	0.222	0.396	350	0.731	23	0.478
212	MC	1	784	0.713	0.326	0.488	350	0.820	23	0.870
213	MC	1	784	0.432	0.143	0.351	350	0.620	23	0.522
214	MC	1	784	0.335	0.187	0.349	350	0.577	23	0.391
215	MC	1	784	0.332	0.112	0.291	350	0.543	23	0.609
216	MC	1	784	0.768	0.383	0.456	350	0.829	23	0.870
217	MC	1	784	0.462	0.218	0.308	350	0.660	23	0.522
218	MC	1	779	0.959	0.308	0.356	392	0.957	30	1.000
219	MC	1	779	0.660	0.265	0.418	392	0.816	30	0.800
220	MC	1	779	0.442	0.221	0.436	392	0.643	30	0.567
221	MC	1	779	0.863	0.473	0.514	392	0.885	30	1.000
222	MC	1	779	0.485	0.383	0.512	392	0.704	30	0.867
223	MC	1	779	0.818	0.373	0.494	392	0.827	30	0.967
224	MC	1	779	0.610	0.319	0.491	392	0.724	30	0.833
225	MC	1	779	0.801	0.220	0.380	392	0.880	30	0.900
226	MC	1	779	0.789	0.450	0.527	392	0.852	30	0.933
227	MC	1	779	0.380	0.154	0.357	392	0.538	30	0.367
228	MC	1	779	0.401	0.081	0.276	392	0.452	30	0.400

Note: MC=Multiple-choice Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.24: Item-Level Statistics for Items in Speaking on Stage V**

Item	Item Type	Max	ELL				Non-ELL		FEP	
			N-Count	P-value	Pbis Total	Pbis Domain	N-Count	P-value	N-Count	P-value
229	SA4	4	3313	0.702	0.519	0.652	1623	0.756	117	0.840
230	SA4	4	3313	0.385	0.540	0.702	1623	0.481	117	0.579
231	SA4	4	925	0.632	0.466	0.569	390	0.743	30	0.733
232	SA4	4	925	0.568	0.605	0.691	390	0.684	30	0.742
233	SA4	4	925	0.564	0.498	0.654	390	0.675	30	0.800
234	SA4	4	925	0.622	0.603	0.697	390	0.677	30	0.817
235	SA4	4	925	0.662	0.481	0.541	390	0.690	30	0.733
236	SA4	4	925	0.610	0.554	0.655	390	0.645	30	0.675
237	SA4	4	825	0.637	0.602	0.678	491	0.703	34	0.816
238	SA4	4	825	0.503	0.611	0.719	491	0.575	34	0.684
239	SA4	4	825	0.507	0.559	0.668	491	0.587	34	0.603
240	SA4	4	825	0.603	0.614	0.710	491	0.626	34	0.779
241	SA4	4	825	0.481	0.602	0.664	491	0.554	34	0.662
242	SA4	4	825	0.553	0.552	0.650	491	0.558	34	0.676
243	SA4	4	784	0.730	0.455	0.571	350	0.829	23	0.793
244	SA4	4	784	0.647	0.604	0.730	350	0.805	23	0.739
245	SA4	4	784	0.549	0.624	0.692	350	0.723	23	0.674
246	SA4	4	784	0.612	0.644	0.752	350	0.741	23	0.717
247	SA4	4	784	0.617	0.586	0.713	350	0.736	23	0.707
248	SA4	4	784	0.514	0.494	0.670	350	0.671	23	0.641
249	SA4	4	784	0.612	0.473	0.588	350	0.692	23	0.630
250	SA4	4	779	0.721	0.547	0.647	392	0.791	30	0.808
251	SA4	4	779	0.685	0.572	0.697	392	0.763	30	0.850
252	SA4	4	779	0.552	0.606	0.708	392	0.672	30	0.742
253	SA4	4	779	0.432	0.503	0.562	392	0.455	30	0.467
254	SA4	4	779	0.628	0.620	0.749	392	0.684	30	0.767
255	SA4	4	779	0.622	0.591	0.658	392	0.677	30	0.725
256	SA4	4	3313	0.392	0.524	0.695	1623	0.556	117	0.564
257	SA4	4	925	0.667	0.626	0.787	390	0.737	30	0.917
258	SA4	4	825	0.474	0.548	0.713	491	0.560	34	0.676
259	SA4	4	779	0.531	0.515	0.667	392	0.619	30	0.658

Note: SA4=4 Point Short Answer Item, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

In addition, a distractor analysis was conducted for multiple-choice items. The response distribution in percentage for an item across all possible choices as well as the percentage of students who omitted the items was calculated. Also, the point biserial correlation associated with each option was calculated. Typically, a negative point biserial correlation is sought for incorrect options because less English proficient students should be more likely to choose an incorrect option. Note that there are three option items for Stages I and II, and four option items for Stages III, IV, and V. For the KPT, there was no data available for the multiple-choice type questions (i.e., physical response items) to do any distractor analysis because test administrators were supposed to record only scores of each item. The statistics for the distractor analysis is summarized by stage and domain in Table 6.25 through Table 6.38.

**Table 6.25: Distractor Analysis of Multiple Choice Items in Reading on Stage I**

Item	Key	Option A		Option B		Option C		%
		%	Pbis	%	Pbis	%	Pbis	Omit
1	C	0.30	-0.10	0.78	-0.15	98.03	0.22	0.89
2	A	87.05	0.37	5.35	-0.25	6.38	-0.19	1.22
3	B	10.21	-0.19	78.21	0.43	10.13	-0.34	1.45
4	C	0.71	-0.12	2.03	-0.17	96.46	0.24	0.81
5	C	5.27	-0.19	2.41	-0.22	90.91	0.32	1.41
6	A	65.48	0.35	12.51	-0.17	19.97	-0.20	2.04
7	B	1.56	-0.22	91.43	0.34	5.57	-0.22	1.45
8	A	79.17	0.35	9.16	-0.19	10.55	-0.23	1.12
9	A	65.22	0.28	9.73	-0.16	23.27	-0.15	1.78
10	B	3.56	-0.23	91.80	0.34	3.16	-0.17	1.48
11	B	19.25	-0.23	70.51	0.35	7.70	-0.17	2.55
12	C	14.29	-0.27	6.58	-0.26	76.04	0.45	3.09
13	C	10.21	-0.25	5.72	-0.21	80.98	0.42	3.09
14	B	42.02	-0.19	51.63	0.30	3.75	-0.14	2.60
15	C	6.61	-0.17	13.81	-0.29	76.35	0.42	3.23
16	B	8.24	-0.19	84.60	0.34	4.16	-0.18	3.01
17	C	0.30	-0.12	1.23	-0.12	97.40	0.20	1.08
18	C	6.06	-0.18	12.52	-0.29	80.34	0.39	1.08
19	B	5.95	-0.27	89.56	0.41	3.23	-0.25	1.26
20	B	8.66	-0.17	80.86	0.37	8.06	-0.25	2.42
21	A	57.75	0.35	21.37	-0.25	20.03	-0.16	0.85
22	A	68.12	0.42	15.76	-0.29	14.57	-0.23	1.56
23	B	6.87	-0.17	87.25	0.21	4.76	-0.08	1.11
24	A	91.71	0.38	4.42	-0.28	2.86	-0.20	1.00
25	C	16.09	-0.31	5.05	-0.21	77.37	0.42	1.49
26	B	6.99	-0.22	88.52	0.32	2.68	-0.18	1.82
27	A	58.38	0.23	19.03	-0.11	19.21	-0.08	3.38
28	C	0.96	-0.18	0.70	-0.17	97.23	0.29	1.11
29	A	90.35	0.44	4.18	-0.32	4.40	-0.24	1.07
30	B	3.73	-0.30	93.64	0.42	1.18	-0.20	1.44
31	A	95.27	0.32	1.59	-0.21	1.07	-0.13	2.07
32	B	18.70	-0.22	59.57	0.33	20.14	-0.16	1.59
33	C	11.64	-0.23	12.82	-0.29	73.58	0.44	1.96
34	A	83.52	0.37	7.13	-0.14	7.95	-0.30	1.40
35	C	1.85	-0.23	12.05	-0.37	84.63	0.51	1.48
36	B	15.19	-0.31	67.55	0.39	15.08	-0.12	2.18
37	A	58.98	0.31	6.91	-0.21	31.34	-0.15	2.77
38	C	28.94	-0.09	6.32	-0.12	61.20	0.25	3.55
39	B	1.43	-0.13	98.09	0.18	0.07	-0.05	0.41
40	B	5.72	-0.30	90.47	0.35	3.40	-0.14	0.41
41	A	88.47	0.39	4.25	-0.20	6.53	-0.29	0.75
42	A	84.45	0.25	2.89	-0.08	11.70	-0.20	0.95
43	C	7.45	-0.22	13.37	-0.27	78.29	0.39	0.88
44	A	91.90	0.38	4.87	-0.27	2.14	-0.21	1.09
45	C	6.29	-0.19	21.30	-0.16	71.25	0.28	1.16
46	C	2.08	-0.18	12.49	-0.38	84.31	0.46	1.12
47	A	87.72	0.37	8.03	-0.25	2.86	-0.21	1.40
48	A	92.65	0.33	1.80	-0.23	4.83	-0.21	0.71
49	B	5.41	-0.20	63.73	0.24	28.58	-0.10	2.28

Note: Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.26: Distractor Analysis of Multiple Choice Items in Listening on Stage I**

Item	Key	Option A		Option B		Option C		% Omit
		%	Pbis	%	Pbis	%	Pbis	
102	C	0.40	-0.09	0.51	-0.10	98.63	0.17	0.46
103	A	98.70	0.18	0.85	-0.14	0.19	-0.09	0.26
104	B	0.93	-0.13	98.48	0.17	0.30	-0.12	0.30
105	B	0.37	-0.11	98.55	0.19	0.56	-0.12	0.52
106	C	15.00	-0.23	7.54	-0.17	76.35	0.34	1.11
107	B	11.56	-0.18	69.79	0.37	17.14	-0.25	1.51
108	C	12.29	-0.16	6.16	-0.18	80.10	0.29	1.45
109	B	5.57	-0.28	86.38	0.42	5.86	-0.22	2.19
110	A	64.37	0.40	13.44	-0.27	21.12	-0.22	1.08
111	A	89.98	0.35	3.64	-0.25	5.53	-0.19	0.85
112	C	4.79	-0.27	2.56	-0.24	91.57	0.40	1.08
113	A	99.15	0.15	0.30	-0.09	0.26	-0.08	0.30
114	B	1.52	-0.17	97.70	0.22	0.45	-0.09	0.33
115	B	4.83	-0.17	2.56	-0.16	91.97	0.26	0.63
116	B	10.48	-0.11	63.99	0.23	24.56	-0.15	0.97
117	A	72.46	0.42	8.88	-0.23	17.54	-0.28	1.11
118	C	10.14	-0.27	8.18	-0.13	80.97	0.33	0.71
119	A	72.76	0.21	16.83	-0.08	9.14	-0.16	1.26
120	B	4.53	-0.30	92.72	0.40	2.16	-0.22	0.59
121	A	75.92	0.42	18.69	-0.29	4.27	-0.24	1.11
122	A	98.63	0.19	0.48	-0.06	0.37	-0.09	0.52
123	A	98.60	0.18	0.63	-0.13	0.33	-0.06	0.44
124	B	14.38	-0.25	3.77	-0.14	80.93	0.34	0.92
125	A	88.58	0.30	3.95	-0.19	6.54	-0.17	0.92
126	C	7.95	-0.29	4.18	-0.22	86.70	0.43	1.18
127	B	6.87	-0.17	81.89	0.32	10.13	-0.23	1.11
128	C	3.99	-0.24	8.13	-0.28	86.62	0.43	1.26
129	A	88.99	0.41	3.77	-0.24	6.10	-0.26	1.15
130	B	5.99	-0.24	88.62	0.43	4.10	-0.29	1.29
131	C	0.44	-0.10	0.37	-0.11	98.57	0.21	0.61
132	A	99.05	0.13	0.27	-0.07	0.51	-0.08	0.17
133	B	14.09	-0.19	76.05	0.28	8.57	-0.14	1.29
134	C	8.27	-0.13	34.81	-0.04	56.07	0.13	0.85
135	A	87.82	0.27	4.46	-0.21	6.40	-0.10	1.33
136	A	49.91	0.22	16.60	-0.06	32.56	-0.15	0.92
137	B	5.78	-0.15	85.85	0.26	7.52	-0.17	0.85
138	C	11.53	-0.26	8.44	-0.26	79.45	0.41	0.58
139	A	79.86	0.35	6.57	-0.26	12.45	-0.18	1.12

Note: Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.27: Distractor Analysis of Multiple Choice Items in Reading on Stage II**

Item	Key	Option A		Option B		Option C		% Omit
		%	Pbis	%	Pbis	%	Pbis	
1	A	91.54	0.23	7.21	-0.19	0.87	-0.10	0.38
2	A	63.07	0.29	20.19	-0.23	15.99	-0.11	0.74
3	C	8.12	-0.19	28.23	0.11	62.92	0.01	0.73
4	A	49.39	0.11	26.45	-0.11	21.98	0.04	2.17
5	B	20.54	-0.23	53.66	0.33	23.07	-0.12	2.72
6	A	34.44	0.26	26.93	-0.18	35.78	-0.04	2.86
7	B	24.32	-0.21	48.27	0.38	24.07	-0.18	3.34
8	C	29.35	-0.25	16.05	-0.18	54.21	0.37	0.39
9	C	14.63	-0.11	10.67	-0.19	73.09	0.24	1.61
10	B	1.81	-0.11	94.42	0.19	3.57	-0.15	0.20
11	A	41.44	0.28	30.09	-0.25	24.41	0.02	4.06
12	C	21.62	-0.24	23.14	-0.26	54.01	0.43	1.22
13	A	70.40	0.19	20.16	-0.11	8.81	-0.15	0.64
14	B	18.49	-0.29	64.04	0.41	15.75	-0.19	1.71
15	C	23.09	-0.19	20.79	-0.26	54.75	0.38	1.37
16	B	15.51	-0.21	50.68	0.45	30.68	-0.28	3.13
17	C	5.19	-0.18	16.59	-0.17	77.79	0.25	0.44
18	B	47.75	-0.13	29.06	0.09	21.43	0.09	1.76
19	C	22.06	-0.20	26.76	-0.21	48.29	0.38	2.89
20	C	23.34	0.01	31.12	-0.16	42.66	0.17	2.89
21	A	45.99	0.24	23.97	-0.08	26.52	-0.13	3.52
22	C	19.32	-0.23	35.52	-0.10	41.29	0.33	3.86
23	B	33.51	-0.36	48.24	0.42	15.26	-0.05	2.98
24	A	53.28	0.40	28.62	-0.25	14.82	-0.18	3.28
25	C	19.86	-0.21	19.13	-0.22	57.44	0.40	3.57
26	C	27.74	-0.15	24.27	-0.15	43.25	0.33	4.75
27	B	7.01	-0.13	76.84	0.31	15.68	-0.26	0.47
28	A	95.12	0.16	1.89	-0.11	2.51	-0.10	0.47
29	C	5.97	-0.15	5.50	-0.20	88.11	0.27	0.43
30	A	39.08	0.27	30.98	-0.30	26.62	0.06	3.32
31	A	51.07	0.36	25.91	-0.26	22.41	-0.15	0.62
32	B	11.80	-0.21	63.43	0.22	24.25	-0.07	0.52
33	B	21.27	-0.30	63.24	0.43	13.83	-0.23	1.66
34	C	21.41	-0.27	21.89	-0.26	55.38	0.45	1.33
35	A	42.25	0.19	25.82	-0.17	30.74	-0.02	1.18
36	B	9.24	-0.22	79.06	0.29	10.80	-0.15	0.90
37	B	48.46	-0.03	30.98	0.04	19.00	0.02	1.56
38	C	23.45	-0.14	34.72	-0.09	39.13	0.24	2.70
39	B	36.10	-0.09	34.11	0.20	26.72	-0.08	3.08
40	A	47.23	0.34	29.42	-0.21	20.18	-0.14	3.17
41	B	22.74	-0.17	46.04	0.34	27.43	-0.18	3.79
42	A	62.06	0.30	20.18	-0.25	15.25	-0.08	2.51
43	C	30.18	0.06	36.67	-0.15	30.51	0.14	2.65
44	A	42.54	0.35	21.55	-0.17	32.88	-0.18	3.03
45	B	32.54	-0.12	40.88	0.29	23.40	-0.16	3.17
46	A	72.69	0.32	22.61	-0.24	4.03	-0.16	0.66
47	B	1.07	-0.07	97.09	0.14	1.02	-0.08	0.82
48	A	64.88	0.48	23.79	-0.43	10.36	-0.11	0.97
49	B	43.39	-0.31	40.53	0.34	13.37	0.03	2.71
50	C	27.41	-0.17	26.34	-0.23	45.23	0.37	1.02



**Table 6.27: Distractor Analysis of Multiple Choice Items in Reading on Stage II**

Item	Key	Option A		Option B		Option C		% Omit
		%	Pbis	%	Pbis	%	Pbis	
51	C	17.36	-0.37	12.56	-0.27	68.50	0.52	1.58
52	B	25.17	-0.23	54.01	0.34	19.86	-0.15	0.97
53	C	17.92	-0.27	18.48	-0.28	62.38	0.47	1.23
54	A	47.63	0.08	23.07	-0.09	28.13	0.02	1.17
55	C	4.65	-0.16	5.10	-0.19	89.33	0.28	0.92
56	C	15.98	-0.30	18.12	-0.30	62.12	0.52	3.78
57	B	26.65	-0.26	48.90	0.39	20.57	-0.11	3.88
58	C	27.16	-0.02	31.44	-0.13	36.86	0.22	4.54
59	C	38.23	0.05	19.60	-0.17	37.57	0.17	4.59
60	A	42.57	0.31	24.96	-0.18	27.97	-0.09	4.49
61	A	48.34	0.05	26.39	-0.11	21.24	0.13	4.03
62	C	33.49	-0.01	27.00	-0.24	35.58	0.30	3.93
63	C	28.02	0.01	27.36	-0.13	40.58	0.17	4.03
64	B	29.56	-0.13	38.69	0.21	27.72	-0.04	4.03
65	B	18.43	-0.28	76.52	0.31	4.38	-0.07	0.67
66	A	95.77	0.17	2.89	-0.12	0.67	-0.06	0.67
67	A	63.62	0.44	12.85	-0.28	22.62	-0.25	0.91
68	B	39.51	-0.19	45.57	0.32	13.72	-0.16	1.20
69	C	37.49	-0.11	30.56	-0.15	31.18	0.28	0.77
70	B	16.84	-0.22	60.25	0.18	22.38	0.00	0.53
71	C	10.83	-0.28	12.18	-0.29	75.89	0.45	1.11
72	B	20.69	-0.26	58.57	0.48	19.59	-0.30	1.15
73	C	30.08	-0.11	16.99	-0.16	49.09	0.28	3.85
74	A	71.56	0.28	20.45	-0.21	7.56	-0.13	0.43
75	A	58.04	0.18	20.84	-0.19	18.91	0.01	2.21
76	C	29.11	-0.18	23.10	-0.31	45.19	0.48	2.60
77	A	45.19	0.38	20.36	-0.22	31.09	-0.16	3.37
78	C	35.71	-0.25	21.41	-0.21	40.76	0.46	2.12
79	A	38.50	0.25	27.91	-0.12	31.47	-0.10	2.12
80	A	67.95	0.31	15.35	-0.23	14.34	-0.12	2.36
81	C	22.81	-0.20	29.84	-0.24	44.03	0.45	3.32
82	C	24.30	-0.12	22.71	-0.16	49.71	0.29	3.27
83	B	26.03	-0.15	45.81	0.29	24.74	-0.13	3.42

Note: Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.28: Distractor Analysis of Multiple Choice Items in Writing on Stage II**

Item	Key	Option A		Option B		Option C		% Omit
		%	Pbis	%	Pbis	%	Pbis	
84	A	50.07	0.24	22.99	-0.23	26.17	-0.04	0.77
85	A	41.19	0.23	37.28	-0.08	20.69	-0.17	0.84
86	C	20.11	-0.24	16.00	-0.27	62.96	0.42	0.93
87	B	28.33	-0.13	29.16	0.16	41.44	-0.01	1.08
88	B	32.39	-0.05	31.56	0.14	35.23	-0.08	0.83
89	B	40.36	-0.11	39.53	0.24	19.57	-0.16	0.54
90	B	27.10	-0.17	52.25	0.35	20.21	-0.24	0.44
91	A	54.50	0.37	22.99	-0.23	21.87	-0.20	0.64
92	B	23.48	-0.34	63.99	0.45	11.84	-0.20	0.68
93	B	44.52	0.24	28.57	-0.06	25.73	-0.20	1.17
94	C	29.89	-0.29	21.97	-0.23	47.75	0.47	0.39
95	C	30.92	-0.11	27.40	-0.15	40.95	0.25	0.73
96	A	35.43	0.11	26.48	-0.19	37.52	0.07	0.57
97	A	41.17	0.18	24.06	-0.22	34.25	0.02	0.52
98	A	29.75	0.00	38.89	0.14	30.70	-0.14	0.66
99	C	25.49	-0.32	35.10	0.03	38.94	0.27	0.47
100	B	36.00	-0.07	46.42	0.22	16.86	-0.19	0.71
101	A	73.33	0.44	15.02	-0.28	11.23	-0.28	0.43
102	A	65.80	0.46	17.57	-0.29	15.77	-0.28	0.85
103	C	31.83	-0.26	18.43	-0.29	49.41	0.48	0.33
104	C	33.06	-0.16	26.48	-0.23	40.03	0.36	0.43
105	B	26.15	-0.17	41.40	0.24	31.88	-0.09	0.57
106	A	59.06	0.26	29.25	-0.14	10.97	-0.19	0.71
107	B	22.00	-0.20	46.55	0.27	30.83	-0.10	0.61
108	B	29.76	-0.25	44.67	0.28	25.01	-0.04	0.56
109	A	68.20	0.37	15.98	-0.26	14.91	-0.20	0.92
110	B	18.58	-0.29	53.29	0.38	27.72	-0.16	0.41
111	C	25.78	-0.23	31.39	-0.10	42.22	0.30	0.61
112	A	68.15	0.44	18.07	-0.29	12.71	-0.28	1.07
113	C	28.02	-0.28	16.33	-0.25	55.13	0.45	0.51
114	B	31.85	-0.14	50.84	0.29	16.64	-0.19	0.66
115	A	53.14	0.30	26.19	-0.16	14.75	-0.15	5.92
116	B	20.16	-0.33	69.63	0.45	9.24	-0.23	0.96
117	A	47.88	0.28	27.57	-0.08	23.87	-0.23	0.67
118	C	24.54	-0.12	23.77	-0.12	50.67	0.22	1.01
119	B	31.52	-0.19	42.97	0.23	25.02	-0.06	0.48
120	C	30.37	-0.21	22.38	-0.25	46.92	0.41	0.34
121	A	63.23	0.25	11.12	-0.29	25.07	-0.06	0.58
122	B	19.73	-0.25	65.01	0.41	14.53	-0.26	0.72
123	A	71.37	0.33	16.60	-0.24	11.84	-0.18	0.19
124	A	59.14	0.40	18.67	-0.28	21.75	-0.19	0.43
125	C	31.81	-0.22	28.20	-0.13	36.09	0.38	3.90

Note: Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.29: Distractor Analysis of Multiple Choice Items in Listening on Stage II**

Item	Key	Option A		Option B		Option C		% Omit
		%	Pbis	%	Pbis	%	Pbis	
135	C	3.36	-0.12	7.01	-0.13	88.94	0.20	0.70
136	B	5.19	-0.14	75.29	0.13	19.13	-0.06	0.39
137	A	23.73	0.18	4.50	-0.08	71.04	-0.11	0.73
138	C	22.80	-0.16	43.00	-0.04	32.93	0.21	1.27
139	A	44.18	0.21	35.08	-0.15	19.57	-0.08	1.17
140	B	32.97	-0.13	45.99	0.27	19.37	-0.16	1.66
141	B	3.13	-0.19	95.45	0.23	1.27	-0.12	0.15
142	B	28.93	-0.18	64.70	0.26	5.94	-0.16	0.43
143	C	5.19	-0.19	5.68	-0.16	88.94	0.25	0.20
144	B	1.66	-0.15	95.30	0.20	2.94	-0.13	0.10
145	A	84.30	0.33	7.63	-0.22	7.68	-0.21	0.39
146	B	12.48	-0.11	73.04	0.19	14.29	-0.14	0.20
147	B	19.42	-0.02	65.02	0.13	15.26	-0.15	0.29
148	C	22.75	-0.10	10.96	-0.15	65.95	0.19	0.34
149	A	78.52	0.34	9.69	-0.21	11.50	-0.24	0.29
150	C	18.14	-0.08	15.16	-0.14	66.27	0.18	0.43
151	A	21.79	0.19	64.61	-0.18	12.93	0.04	0.66
152	A	40.36	0.09	41.73	-0.03	16.82	-0.07	1.09
153	C	29.80	-0.13	37.04	-0.03	32.26	0.17	0.90
154	A	44.95	0.12	36.14	-0.04	17.81	-0.09	1.09
155	B	14.59	-0.03	79.25	0.11	5.83	-0.15	0.33
156	A	93.84	0.26	3.03	-0.20	2.89	-0.15	0.24
157	C	5.31	-0.21	5.21	-0.23	89.20	0.32	0.28
158	B	4.93	-0.20	84.79	0.28	9.95	-0.18	0.33
159	A	68.69	0.34	19.04	-0.28	11.89	-0.14	0.38
160	A	87.12	0.29	7.06	-0.19	5.54	-0.20	0.28
161	C	6.58	-0.23	4.41	-0.21	88.63	0.33	0.38
162	B	7.86	-0.27	89.06	0.30	2.94	-0.13	0.14
163	B	7.04	-0.03	87.65	0.15	4.54	-0.14	0.77
164	B	12.30	-0.11	22.46	0.18	64.27	-0.05	0.97
165	C	20.98	-0.12	46.71	-0.06	30.78	0.21	1.53
166	B	24.66	-0.11	52.32	0.21	20.06	-0.10	2.96
167	C	2.96	-0.16	1.23	-0.13	95.35	0.23	0.46
168	B	18.94	-0.27	74.68	0.34	5.82	-0.15	0.56
169	C	6.58	-0.21	11.54	-0.19	81.42	0.30	0.46
170	A	74.73	0.39	15.42	-0.25	9.55	-0.26	0.31
171	B	11.38	-0.23	75.86	0.32	12.30	-0.19	0.46
172	B	29.30	-0.07	54.06	0.18	16.08	-0.15	0.56
173	C	31.85	-0.06	13.07	-0.23	54.67	0.22	0.41
174	C	10.21	-0.25	7.35	-0.17	81.27	0.33	1.17
175	B	5.77	-0.17	83.92	0.35	9.90	-0.28	0.41
176	A	83.01	0.23	5.29	-0.19	11.21	-0.13	0.48
177	B	39.27	-0.17	36.00	0.24	22.47	-0.03	2.26
178	A	42.78	0.15	39.32	-0.11	15.26	-0.02	2.65
179	B	27.00	-0.10	45.77	0.21	24.21	-0.08	3.03
180	B	5.29	-0.22	92.25	0.29	1.78	-0.15	0.67
181	C	13.38	-0.15	6.54	-0.09	79.31	0.20	0.77
182	C	16.65	-0.16	17.85	-0.16	65.16	0.26	0.34
183	B	10.54	-0.20	72.43	0.31	16.60	-0.19	0.43
184	C	7.31	-0.21	11.55	-0.07	80.61	0.22	0.53
185	C	17.90	-0.14	46.44	-0.14	33.30	0.31	2.36

**Table 6.29: Distractor Analysis of Multiple Choice Items in Listening on Stage II**

Item	Key	Option A		Option B		Option C		%
		%	Pbis	%	Pbis	%	Pbis	Omit
186	B	5.63	-0.10	90.66	0.21	2.84	-0.17	0.87
187	C	9.67	-0.25	5.82	-0.17	83.88	0.33	0.63
188	B	4.72	-0.17	91.19	0.28	3.46	-0.19	0.63

Note: Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.30: Distractor Analysis of Multiple Choice Items in Reading on Stage III**

Item	Key	Option A		Option B		Option C		Option D		% Omit
		%	Pbis	%	Pbis	%	Pbis	%	Pbis	
1	C	8.80	-0.22	8.35	-0.21	74.06	0.44	8.59	-0.25	0.19
2	D	16.77	-0.09	14.22	-0.16	27.31	-0.13	41.20	0.30	0.51
3	C	8.68	-0.26	10.54	-0.25	73.67	0.48	6.69	-0.24	0.42
4	C	14.01	-0.16	22.63	-0.05	42.67	0.28	18.10	-0.14	2.59
5	A	50.73	0.39	16.41	-0.15	15.90	-0.19	16.53	-0.18	0.43
6	D	17.59	-0.05	32.29	0.02	21.66	-0.07	27.73	0.11	0.73
7	C	24.88	-0.07	16.56	-0.12	36.92	0.31	20.56	-0.15	1.08
8	C	6.53	-0.12	5.08	-0.14	81.67	0.25	6.35	-0.15	0.36
9	B	9.07	-0.21	72.66	0.44	7.32	-0.19	10.04	-0.27	0.91
10	A	50.09	0.36	19.00	-0.18	12.83	-0.09	17.97	-0.20	0.12
11	C	18.63	0.00	11.86	-0.12	54.63	0.29	13.97	-0.28	0.91
12	C	52.45	0.04	6.96	-0.21	31.94	0.21	8.47	-0.23	0.18
13	A	75.44	0.45	6.59	-0.20	6.72	-0.22	10.16	-0.26	1.09
14	D	26.44	-0.18	12.95	-0.21	11.62	-0.22	48.76	0.44	0.24
15	A	66.12	0.47	11.86	-0.23	11.25	-0.28	10.28	-0.18	0.48
16	D	9.01	-0.21	10.16	-0.19	17.48	-0.19	62.13	0.41	1.21
17	C	27.04	-0.04	17.12	-0.17	16.58	0.03	38.90	0.15	0.36
18	B	23.65	-0.01	36.84	0.15	25.53	-0.06	13.37	-0.10	0.60
19	B	28.80	-0.08	27.95	0.12	21.54	-0.03	21.17	0.00	0.54
20	B	16.70	-0.28	56.38	0.43	14.40	-0.18	11.62	-0.11	0.91
21	C	17.42	-0.05	22.50	-0.08	27.16	0.12	31.70	0.01	1.21
22	B	21.60	-0.16	41.80	0.37	18.39	-0.12	17.79	-0.18	0.42
23	A	35.87	0.23	22.14	-0.09	22.20	-0.09	19.30	-0.07	0.48
24	A	43.19	0.38	18.45	-0.08	17.60	-0.19	17.36	-0.21	3.39
25	A	45.37	0.34	16.76	-0.21	15.49	-0.16	21.96	-0.07	0.42
26	D	16.94	-0.12	20.45	-0.16	25.53	-0.12	36.24	0.35	0.85
27	B	26.38	-0.07	37.51	0.34	21.60	-0.17	13.13	-0.17	1.39
28	B	26.98	-0.13	44.71	0.30	13.55	-0.06	14.10	-0.19	0.67
29	A	35.15	0.35	19.66	-0.12	22.75	-0.16	21.72	-0.11	0.73
30	D	24.56	0.06	17.30	-0.04	23.84	-0.08	33.58	0.06	0.73
31	B	3.07	-0.14	86.47	0.31	5.97	-0.21	4.02	-0.17	0.47
32	C	9.27	-0.25	8.86	-0.23	73.60	0.46	7.56	-0.21	0.71
33	A	62.85	0.29	11.46	-0.14	16.13	-0.09	9.27	-0.20	0.30
34	C	16.95	-0.18	6.38	-0.19	59.42	0.32	16.60	-0.10	0.65
35	B	47.08	-0.03	35.03	0.26	8.80	-0.19	8.80	-0.19	0.30
36	A	70.70	0.52	7.68	-0.21	9.92	-0.25	10.69	-0.32	1.00
37	D	29.59	-0.07	16.18	-0.18	27.58	0.04	26.34	0.19	0.30
38	C	15.36	-0.10	61.13	0.19	13.70	-0.05	9.45	-0.11	0.35
39	B	20.97	-0.04	39.28	0.34	20.97	-0.17	17.78	-0.19	1.00
40	A	63.14	0.42	11.81	-0.21	10.93	-0.24	13.70	-0.15	0.41
41	B	16.54	0.05	16.01	-0.03	36.09	0.10	30.48	-0.10	0.89
42	B	22.50	-0.15	54.93	0.33	7.68	-0.14	14.59	-0.17	0.30
43	C	21.80	-0.03	25.52	-0.28	34.97	0.24	17.01	0.06	0.71
44	D	10.81	-0.18	17.07	-0.13	17.19	-0.19	53.46	0.37	1.48
45	C	15.65	-0.28	11.58	-0.13	52.45	0.43	19.67	-0.17	0.65
46	B	10.93	-0.15	45.72	0.35	19.61	-0.23	22.74	-0.06	1.00
47	B	18.90	-0.07	35.38	0.24	18.19	-0.08	23.57	-0.12	3.96
48	D	21.62	-0.21	15.89	-0.14	19.79	0.03	42.17	0.27	0.53
49	B	21.26	-0.06	38.63	0.22	22.45	-0.10	17.31	-0.10	0.35
50	C	9.27	-0.20	17.96	-0.17	61.49	0.42	9.86	-0.24	1.42
51	A	31.66	0.14	21.26	-0.16	18.72	-0.01	27.88	0.01	0.47

**Table 6.30: Distractor Analysis of Multiple Choice Items in Reading on Stage III**

Item	Key	Option A		Option B		Option C		Option D		% Omit
		%	Pbis	%	Pbis	%	Pbis	%	Pbis	
52	A	37.03	0.28	19.67	-0.10	23.04	-0.12	19.43	-0.10	0.83
53	C	24.75	-0.12	21.80	0.05	28.35	0.12	23.98	-0.03	1.12
54	B	4.09	-0.16	75.19	0.31	5.92	-0.14	14.39	-0.19	0.41
55	A	49.44	0.29	20.25	-0.09	14.27	-0.16	15.10	-0.14	0.95
56	B	14.92	-0.21	63.06	0.44	7.16	-0.16	14.62	-0.26	0.24
57	B	9.71	-0.14	63.17	0.27	19.12	-0.10	7.34	-0.17	0.65
58	B	11.84	-0.15	51.57	0.37	5.86	-0.21	30.55	-0.18	0.18
59	D	16.22	-0.26	8.11	-0.20	7.34	-0.21	67.73	0.45	0.59
60	B	30.91	-0.03	36.12	0.33	18.06	-0.21	14.62	-0.17	0.30
61	C	8.17	-0.23	9.47	-0.23	37.00	0.28	45.17	-0.01	0.18
62	C	15.45	-0.08	25.46	0.04	47.19	0.16	10.89	-0.19	1.01
63	B	21.26	-0.06	38.25	0.28	18.77	-0.17	21.55	-0.10	0.18
64	A	51.39	0.44	14.98	-0.19	17.58	-0.18	15.81	-0.22	0.24
65	D	23.03	-0.10	18.29	-0.05	29.60	-0.07	28.83	0.21	0.24
66	C	16.46	-0.14	18.41	-0.20	56.07	0.37	8.47	-0.17	0.59
67	D	18.77	-0.10	16.10	-0.18	23.45	-0.02	40.20	0.24	1.48
68	B	15.39	-0.17	45.94	0.44	20.84	-0.22	17.47	-0.18	0.36
69	A	49.44	0.43	18.06	-0.22	16.64	-0.21	14.98	-0.14	0.89
70	D	26.23	-0.04	20.13	-0.07	21.97	-0.07	30.20	0.17	1.48
71	C	29.66	-0.17	24.04	-0.10	30.85	0.27	14.86	-0.01	0.59
72	B	24.22	0.00	28.54	0.20	24.39	-0.10	22.20	-0.10	0.65
73	C	24.87	0.00	20.49	-0.06	28.72	0.14	23.68	-0.05	2.25
74	A	33.93	0.03	16.70	-0.05	13.80	-0.11	35.11	0.09	0.47
75	C	22.79	-0.05	22.91	-0.12	33.69	0.18	20.19	-0.03	0.41
76	A	40.14	0.28	19.01	-0.10	17.29	-0.13	23.09	-0.11	0.47
77	A	90.08	0.28	2.39	-0.13	3.61	-0.16	3.67	-0.18	0.24
78	B	10.47	-0.20	67.30	0.41	8.02	-0.19	13.41	-0.22	0.80
79	B	11.15	-0.24	65.22	0.47	9.25	-0.16	14.21	-0.29	0.18
80	B	10.47	-0.13	57.62	0.30	8.76	-0.21	22.29	-0.10	0.86
81	A	51.26	0.21	7.65	-0.14	34.66	-0.03	5.82	-0.20	0.61
82	A	41.95	0.39	15.06	-0.22	11.15	-0.21	30.86	-0.09	0.98
83	D	15.37	-0.28	10.04	-0.20	8.14	-0.18	66.07	0.46	0.37
84	A	73.42	0.46	13.17	-0.29	7.84	-0.20	5.27	-0.20	0.31
85	D	11.88	-0.14	9.68	-0.16	11.82	-0.17	65.77	0.32	0.86
86	D	19.23	-0.14	28.17	0.04	19.90	-0.04	32.39	0.12	0.31
87	A	43.60	0.29	31.11	-0.03	12.06	-0.25	12.68	-0.12	0.55
88	D	23.82	-0.20	12.49	-0.15	16.29	-0.17	47.03	0.41	0.37
89	A	42.13	0.29	32.09	-0.01	16.72	-0.22	8.14	-0.18	0.92
90	C	15.19	-0.17	22.78	-0.08	44.15	0.37	16.29	-0.20	1.59
91	B	28.66	0.08	17.09	0.02	19.11	-0.01	34.78	-0.07	0.37
92	B	18.62	-0.02	29.88	-0.03	30.50	-0.06	20.02	0.14	0.98
93	D	29.70	-0.05	19.90	0.01	17.64	-0.09	28.90	0.16	3.86
94	B	20.64	-0.16	44.15	0.29	20.51	-0.02	13.90	-0.18	0.80
95	C	29.21	0.10	22.60	-0.09	28.84	0.08	18.49	-0.10	0.86
96	A	24.13	0.07	21.62	-0.03	20.09	-0.03	32.52	0.01	1.65

Note: Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.31: Distractor Analysis of Multiple Choice Items in Writing on Stage III**

Item	Key	Option A		Option B		Option C		Option D		% Omit
		%	Pbis	%	Pbis	%	Pbis	%	Pbis	
118	C	3.88	-0.20	15.03	-0.09	70.86	0.34	9.63	-0.26	0.60
119	B	17.98	-0.20	56.03	0.43	15.28	-0.12	9.57	-0.28	1.14
120	B	17.18	-0.17	39.56	0.28	24.62	-0.09	18.51	-0.08	0.12
121	D	41.26	0.12	7.26	-0.16	16.70	-0.23	34.60	0.15	0.18
122	A	64.07	0.39	8.65	-0.23	20.63	-0.18	6.11	-0.21	0.54
123	C	14.64	-0.17	29.28	0.02	36.18	0.25	18.21	-0.16	1.69
124	D	9.13	-0.18	3.93	-0.18	3.39	-0.14	83.36	0.31	0.18
125	D	6.17	-0.26	14.10	-0.14	6.96	-0.25	72.66	0.40	0.12
126	B	11.19	-0.24	40.53	0.30	36.96	-0.10	11.25	-0.06	0.06
127	C	5.26	-0.16	29.95	-0.30	55.66	0.44	8.77	-0.14	0.36
128	C	23.90	-0.15	10.16	-0.19	58.44	0.36	6.90	-0.20	0.60
129	A	82.64	0.40	6.78	-0.15	5.57	-0.24	4.66	-0.26	0.36
130	A	86.24	0.38	3.96	-0.21	4.96	-0.22	4.61	-0.18	0.24
131	B	13.11	-0.13	59.78	0.28	21.15	-0.08	5.91	-0.25	0.06
132	A	55.23	0.41	9.45	-0.20	8.62	-0.20	26.23	-0.19	0.47
133	C	13.82	-0.27	12.64	-0.12	45.78	0.26	26.58	0.03	1.18
134	B	17.90	0.00	34.55	0.32	42.47	-0.19	4.96	-0.26	0.12
135	C	17.54	-0.18	6.62	-0.29	54.87	0.37	20.08	-0.11	0.89
136	A	80.74	0.44	5.61	-0.16	10.87	-0.31	2.24	-0.22	0.53
137	A	78.68	0.41	6.08	-0.26	7.50	-0.16	6.97	-0.22	0.77
138	D	8.86	-0.22	10.51	-0.16	28.94	-0.14	50.74	0.36	0.95
139	B	10.75	-0.22	70.53	0.44	8.51	-0.22	9.27	-0.22	0.95
140	C	6.45	-0.25	4.85	-0.23	85.73	0.40	2.90	-0.17	0.06
141	D	7.87	-0.19	33.10	-0.02	9.89	-0.15	49.08	0.21	0.06
142	C	14.15	-0.21	14.68	-0.15	48.67	0.34	22.20	-0.10	0.30
143	D	19.78	-0.09	13.38	-0.18	12.85	-0.15	52.52	0.32	1.48
144	B	7.16	-0.21	70.22	0.38	16.28	-0.19	6.04	-0.19	0.30
145	A	30.25	0.17	8.70	-0.18	48.37	0.13	12.37	-0.26	0.30
146	B	14.92	-0.20	62.17	0.41	12.79	-0.17	9.65	-0.23	0.47
147	A	45.53	0.28	6.22	-0.21	15.39	-0.22	32.27	-0.01	0.59
148	B	17.94	-0.27	70.04	0.46	6.63	-0.23	4.74	-0.21	0.65
149	B	23.21	-0.10	48.79	0.36	13.03	-0.19	13.97	-0.20	1.01
150	C	17.70	-0.11	5.27	-0.18	69.75	0.30	6.92	-0.21	0.37
151	B	42.93	0.15	21.86	-0.02	25.47	-0.05	9.49	-0.16	0.24
152	D	8.57	-0.17	17.09	-0.16	19.41	-0.13	54.26	0.34	0.67
153	B	10.23	-0.21	44.34	0.24	31.17	0.01	12.43	-0.15	1.84
154	D	8.45	-0.17	20.82	-0.11	24.98	-0.04	45.44	0.22	0.31
155	A	64.05	0.33	6.61	-0.18	20.27	-0.13	8.70	-0.20	0.37
156	D	7.53	-0.29	5.57	-0.21	8.14	-0.24	78.44	0.47	0.31
157	D	6.00	-0.25	15.43	-0.23	7.41	-0.19	70.73	0.44	0.43
158	A	67.61	0.39	11.33	-0.14	10.35	-0.21	10.23	-0.23	0.49
159	A	56.46	0.19	22.47	-0.04	14.39	-0.11	6.18	-0.16	0.49

Note: Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.32: Distractor Analysis of Multiple Choice Items in Listening on Stage III**

Item	Key	Option A		Option B		Option C		Option D		% Omit
		%	Pbis	%	Pbis	%	Pbis	%	Pbis	
169	B	11.34	-0.14	60.63	0.28	6.09	-0.13	21.72	-0.14	0.22
170	C	3.78	-0.19	8.14	-0.17	78.42	0.30	9.51	-0.13	0.15
171	B	12.37	-0.15	46.30	0.34	17.67	-0.07	23.43	-0.21	0.24
172	C	4.72	-0.16	2.06	-0.11	90.14	0.26	2.84	-0.16	0.24
173	C	8.59	-0.19	10.28	-0.10	75.02	0.28	5.08	-0.13	1.03
174	B	3.27	-0.10	85.66	0.33	4.36	-0.19	5.32	-0.24	1.39
175	A	88.87	0.30	2.06	-0.13	2.66	-0.15	5.69	-0.20	0.73
176	D	10.28	-0.21	7.20	-0.08	20.81	-0.10	61.46	0.26	0.24
177	A	83.97	0.35	5.51	-0.15	4.60	-0.18	5.63	-0.22	0.30
178	D	14.58	-0.14	19.66	-0.01	16.03	-0.06	49.00	0.16	0.73
179	A	77.31	0.38	7.92	-0.18	7.20	-0.17	7.38	-0.25	0.18
180	B	13.85	-0.13	45.37	0.39	19.30	-0.11	21.11	-0.26	0.36
181	C	14.71	-0.04	3.25	-0.06	24.57	0.08	57.12	0.00	0.35
182	A	67.69	0.23	12.11	-0.15	3.48	-0.06	15.48	-0.09	1.24
183	A	92.79	0.23	1.95	-0.13	1.54	-0.07	1.71	-0.14	2.01
184	C	22.56	-0.06	4.08	-0.15	67.40	0.24	5.14	-0.21	0.83
185	B	6.50	-0.20	73.60	0.37	7.74	-0.22	11.93	-0.15	0.24
186	C	15.06	-0.10	13.70	-0.09	48.02	0.24	22.80	-0.11	0.41
187	A	71.12	0.43	7.32	-0.17	8.45	-0.17	12.52	-0.28	0.59
188	B	6.50	-0.13	70.29	0.34	9.45	-0.14	13.41	-0.23	0.35
189	C	11.58	-0.18	11.22	-0.19	48.97	0.27	27.76	-0.02	0.47
190	B	8.35	-0.18	71.40	0.25	8.70	-0.16	11.43	-0.06	0.12
191	D	10.12	-0.02	14.27	-0.17	7.64	-0.16	66.61	0.24	1.36
192	B	2.07	-0.12	63.53	0.29	4.56	-0.20	28.60	-0.17	1.24
193	C	1.12	-0.08	12.97	-0.18	80.82	0.28	4.44	-0.16	0.65
194	D	6.87	-0.20	24.81	-0.06	8.11	-0.13	59.92	0.23	0.30
195	C	9.41	-0.12	12.73	-0.10	67.44	0.24	9.95	-0.13	0.47
196	C	4.20	-0.13	5.15	-0.21	85.02	0.36	4.80	-0.23	0.83
197	A	55.71	0.25	18.71	0.01	8.41	-0.16	17.05	-0.22	0.12
198	A	72.47	0.43	7.05	-0.18	9.12	-0.26	11.07	-0.21	0.30
199	D	43.17	0.08	2.76	-0.10	25.29	-0.25	28.48	0.19	0.31
200	D	15.19	-0.11	14.70	-0.18	7.65	-0.06	61.30	0.28	1.16
201	C	2.02	-0.15	2.14	-0.11	92.96	0.21	1.47	-0.11	1.41
202	A	18.86	0.11	25.78	0.06	45.93	-0.09	8.88	-0.06	0.55
203	C	28.29	0.06	15.00	-0.05	42.56	0.05	13.96	-0.10	0.18
204	A	52.42	0.31	15.74	-0.14	22.17	-0.09	9.19	-0.23	0.49
205	D	16.41	-0.11	14.02	-0.06	12.49	-0.15	56.77	0.23	0.31
206	C	10.72	-0.15	13.90	-0.16	53.46	0.29	21.74	-0.09	0.18
207	A	59.89	0.27	4.29	-0.15	6.92	-0.19	28.48	-0.11	0.43

Note: Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table 6.33: Distractor Analysis of Multiple Choice Items in Reading on Stage IV**

Item	Key	Option A		Option B		Option C		Option D		% Omit
		%	Pbis	%	Pbis	%	Pbis	%	Pbis	
1	B	6.30	-0.19	83.56	0.34	4.76	-0.18	5.11	-0.17	0.26
2	D	10.32	-0.21	7.94	-0.10	46.24	0.07	35.25	0.13	0.24
3	D	18.22	-0.08	38.99	0.03	23.41	-0.02	18.84	0.07	0.55
4	A	39.68	0.10	15.53	-0.04	24.33	-0.02	17.58	-0.04	2.88
5	B	17.34	-0.15	49.36	0.29	21.65	-0.10	11.42	-0.14	0.24
6	C	17.86	-0.04	26.14	-0.14	39.03	0.22	16.51	-0.07	0.45
7	C	33.23	-0.02	16.51	-0.04	26.17	0.13	22.81	-0.06	1.28
8	B	4.42	-0.19	79.12	0.25	13.76	-0.14	2.61	-0.08	0.10
9	C	9.74	-0.19	14.96	-0.11	61.75	0.36	12.95	-0.22	0.60
10	C	18.37	-0.21	3.41	-0.14	72.19	0.32	4.32	-0.18	1.71
11	C	22.19	-0.09	33.84	-0.10	33.84	0.22	10.04	-0.06	0.10
12	A	28.82	0.14	24.70	0.08	23.39	-0.13	22.69	-0.10	0.40
13	B	12.95	-0.08	56.73	0.28	11.55	-0.19	17.07	-0.11	1.71
14	A	45.88	0.25	18.67	-0.18	13.55	-0.07	21.49	-0.07	0.40
15	D	27.31	0.07	23.29	-0.13	19.78	-0.07	29.42	0.12	0.20
16	A	49.70	0.23	17.37	-0.07	17.07	-0.06	15.36	-0.17	0.50
17	A	37.25	0.07	26.41	-0.01	16.77	-0.05	19.08	-0.02	0.50
18	D	22.49	0.00	26.41	-0.10	23.39	-0.05	27.21	0.17	0.50
19	A	26.10	0.10	26.51	0.00	26.61	0.03	19.48	-0.14	1.31
20	B	25.10	-0.05	22.09	0.07	28.41	-0.05	24.00	0.06	0.40
21	C	22.49	-0.09	23.59	-0.13	27.21	0.13	25.60	0.10	1.10
22	C	19.98	-0.06	18.37	-0.07	33.43	0.19	26.10	-0.07	2.11
23	D	19.18	-0.14	16.27	-0.16	21.69	-0.07	42.17	0.30	0.70
24	A	30.92	0.16	33.33	-0.04	21.99	-0.07	12.85	-0.04	0.90
25	B	18.67	-0.09	25.00	0.06	32.63	0.09	21.99	-0.05	1.71
26	D	33.03	0.00	18.27	-0.11	16.87	-0.06	31.12	0.15	0.70
27	A	25.40	0.06	24.30	-0.09	26.91	-0.04	22.59	0.09	0.80
28	A	26.20	0.06	17.87	-0.01	20.38	-0.09	34.64	0.05	0.90
29	A	80.92	0.31	9.54	-0.18	4.77	-0.18	4.77	-0.14	0.00
30	C	12.21	-0.20	5.73	-0.23	76.43	0.43	5.06	-0.25	0.57
31	D	5.82	-0.23	4.39	-0.23	4.29	-0.21	85.31	0.41	0.19
32	D	13.26	-0.15	21.09	-0.26	35.21	0.20	30.34	0.14	0.10
33	B	20.61	-0.14	41.60	0.27	17.18	-0.10	20.32	-0.09	0.29
34	C	27.39	-0.03	30.06	0.10	26.43	0.10	15.27	-0.20	0.86
35	C	18.32	-0.13	16.60	-0.10	46.47	0.30	18.42	-0.16	0.19
36	A	57.06	0.33	15.08	-0.15	18.13	-0.16	9.16	-0.15	0.57
37	C	14.89	-0.21	9.83	-0.14	43.23	0.30	31.58	-0.06	0.48
38	B	34.06	-0.05	39.12	0.24	12.50	-0.14	14.12	-0.13	0.19
39	B	25.29	-0.04	28.44	0.09	29.96	0.00	15.84	-0.04	0.48
40	C	15.17	-0.13	34.73	0.12	27.67	0.07	20.04	-0.11	2.39
41	C	44.85	0.05	25.76	-0.01	14.89	0.12	14.22	-0.16	0.29
42	B	16.13	0.00	28.72	0.11	24.52	-0.11	29.87	0.00	0.76
43	C	22.90	-0.06	19.37	-0.11	33.49	0.13	22.90	0.02	1.34
44	B	29.77	-0.13	40.74	0.33	16.89	-0.13	12.31	-0.16	0.29
45	A	55.73	0.38	15.65	-0.16	15.74	-0.21	12.50	-0.16	0.38
46	C	14.50	-0.18	31.39	-0.05	31.68	0.20	21.47	-0.01	0.95
47	B	19.37	-0.27	45.13	0.38	13.74	-0.14	21.37	-0.07	0.38
48	C	19.08	-0.09	21.09	-0.17	41.89	0.22	17.65	0.00	0.29
49	B	14.41	-0.14	53.72	0.39	15.46	-0.15	16.03	-0.23	0.38
50	C	28.13	-0.14	12.17	-0.10	47.52	0.25	11.90	-0.08	0.27
51	A	69.25	0.43	9.83	-0.17	11.00	-0.20	9.38	-0.25	0.54

**Table 6.33: Distractor Analysis of Multiple Choice Items in Reading on Stage IV**

Item	Key	Option A		Option B		Option C		Option D		% Omit
		%	Pbis	%	Pbis	%	Pbis	%	Pbis	
52	C	3.43	-0.17	4.69	-0.15	86.20	0.31	4.96	-0.16	0.72
53	B	19.12	-0.18	63.21	0.32	8.57	-0.12	8.75	-0.16	0.36
54	A	42.47	0.31	13.26	-0.09	21.82	-0.17	21.64	-0.11	0.81
55	A	45.72	0.33	13.80	-0.17	19.21	-0.08	20.11	-0.15	1.17
56	D	24.08	-0.03	30.21	0.08	23.26	-0.01	22.09	-0.03	0.36
57	C	20.11	0.02	20.47	-0.06	32.19	0.13	26.87	-0.08	0.36
58	D	20.02	-0.06	28.22	-0.02	20.47	-0.06	30.30	0.17	0.99
59	D	14.25	-0.08	21.28	-0.12	17.49	-0.09	46.35	0.24	0.63
60	C	19.21	-0.02	23.44	-0.17	47.07	0.27	9.65	-0.15	0.63
61	C	26.78	0.06	22.18	-0.13	37.42	0.18	12.35	-0.14	1.26
62	B	22.72	-0.15	32.82	0.22	24.80	0.02	18.85	-0.08	0.81
63	C	21.01	-0.06	32.73	0.04	18.12	-0.05	26.87	0.10	1.26
64	C	27.86	0.03	18.49	-0.08	32.73	0.15	19.30	-0.09	1.62
65	D	22.81	-0.06	26.06	-0.02	25.79	-0.03	24.26	0.13	1.08
66	A	33.18	0.18	25.61	-0.01	22.45	-0.08	17.58	-0.10	1.17
67	D	22.45	0.02	29.67	0.06	26.24	0.02	20.02	-0.06	1.62
68	C	26.15	-0.12	24.71	-0.10	30.12	0.24	17.76	-0.01	1.26
69	A	34.99	0.21	23.99	-0.03	24.35	-0.10	15.33	-0.09	1.35
70	B	23.90	-0.12	23.53	0.03	28.85	0.10	22.45	-0.01	1.26
71	A	47.00	0.30	25.02	-0.11	22.07	-0.16	5.61	-0.13	0.29
72	A	56.14	0.37	10.09	-0.16	15.98	-0.07	17.70	-0.28	0.10
73	D	7.80	-0.31	4.47	-0.13	8.85	-0.27	78.88	0.46	0.00
74	D	7.71	-0.25	5.42	-0.22	3.71	-0.12	83.16	0.37	0.00
75	C	8.66	-0.17	36.92	-0.09	39.11	0.24	15.22	-0.07	0.10
76	C	14.37	-0.10	12.84	-0.05	61.56	0.20	10.75	-0.13	0.48
77	D	26.74	-0.05	19.12	-0.06	18.17	-0.10	35.97	0.17	0.00
78	B	12.94	-0.13	52.14	0.15	22.17	-0.01	12.75	-0.07	0.00
79	A	33.68	0.25	24.74	0.00	23.88	-0.14	16.75	-0.16	0.95
80	D	26.74	-0.23	10.75	-0.11	11.23	-0.16	51.00	0.37	0.29
81	A	30.16	0.18	23.79	-0.05	29.31	-0.08	16.08	-0.07	0.67
82	A	36.92	0.17	22.45	-0.08	22.65	-0.02	15.60	-0.10	2.38
83	A	40.63	0.13	21.98	-0.03	16.84	-0.10	20.36	-0.04	0.19
84	A	22.65	0.17	26.36	-0.07	26.83	-0.04	23.88	-0.04	0.29
85	D	26.17	-0.03	26.26	0.03	20.74	-0.02	25.12	0.03	1.71
86	C	30.54	-0.08	19.12	-0.03	31.97	0.22	17.98	-0.13	0.38
87	C	31.40	-0.12	23.88	0.00	27.02	0.11	17.22	0.02	0.48
88	A	26.45	0.21	21.79	0.00	25.21	-0.07	25.31	-0.13	1.24
89	B	26.55	-0.05	31.21	0.17	23.50	-0.11	18.27	-0.02	0.48
90	A	28.26	0.17	27.78	-0.10	26.93	-0.05	16.56	-0.02	0.48
91	A	24.45	0.15	15.79	-0.08	24.36	-0.01	34.82	-0.07	0.57

Note: Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.34: Distractor Analysis of Multiple Choice Items in Writing on Stage IV**

Item	Key	Option A		Option B		Option C		Option D		% Omit
		%	Pbis	%	Pbis	%	Pbis	%	Pbis	
98	A	69.74	0.22	14.32	-0.13	5.69	-0.15	10.09	-0.06	0.17
99	C	3.12	-0.17	9.71	-0.19	80.76	0.30	5.52	-0.11	0.90
100	B	38.32	0.00	42.53	0.17	7.23	-0.14	11.16	-0.15	0.76
101	A	91.77	0.33	4.02	-0.20	1.91	-0.19	2.31	-0.17	0.00
102	D	4.02	-0.17	11.14	-0.16	3.21	-0.11	81.33	0.28	0.30
103	D	14.46	-0.23	25.40	-0.02	18.57	-0.10	41.47	0.27	0.10
104	C	20.38	-0.04	19.58	-0.23	45.38	0.25	14.36	-0.04	0.30
105	A	86.14	0.23	7.33	-0.15	2.81	-0.12	3.61	-0.10	0.10
106	D	16.77	-0.10	25.50	-0.14	15.66	-0.15	41.87	0.32	0.20
107	D	23.39	-0.21	31.12	0.03	4.82	-0.15	40.36	0.21	0.30
108	B	5.12	-0.22	79.22	0.38	5.92	-0.19	9.44	-0.22	0.30
109	A	32.53	0.16	10.14	-0.11	18.17	-0.10	38.35	-0.01	0.80
110	C	16.37	-0.10	10.44	-0.23	62.95	0.28	10.04	-0.09	0.20
111	D	23.09	-0.05	16.57	-0.17	12.55	-0.21	47.39	0.31	0.40
112	A	62.15	0.39	17.57	-0.21	9.04	-0.22	10.14	-0.16	1.10
113	B	26.00	-0.03	31.93	0.14	21.49	-0.12	20.28	0.00	0.30
114	B	19.38	-0.03	53.01	0.24	16.97	-0.19	10.34	-0.11	0.30
115	C	22.19	-0.03	44.28	0.19	19.68	-0.01	13.55	-0.21	0.30
116	A	60.31	0.19	10.59	-0.16	20.13	-0.02	8.78	-0.12	0.19
117	D	3.53	-0.10	7.25	-0.18	23.95	-0.03	65.08	0.17	0.19
118	D	16.79	-0.19	17.46	-0.14	26.34	-0.05	39.31	0.30	0.10
119	A	30.92	0.15	14.22	-0.13	18.42	-0.08	36.16	0.03	0.29
120	B	15.27	-0.17	68.42	0.25	8.02	-0.07	8.21	-0.12	0.10
121	A	52.96	0.24	19.47	-0.17	9.26	-0.08	17.94	-0.06	0.38
122	B	9.64	-0.17	78.91	0.35	3.72	-0.20	7.63	-0.19	0.10
123	D	9.35	-0.26	7.16	-0.22	7.73	-0.22	75.29	0.45	0.48
124	C	17.65	-0.15	15.17	-0.10	44.66	0.28	21.95	-0.11	0.57
125	C	24.14	-0.02	19.75	-0.06	35.97	0.17	19.66	-0.12	0.48
126	D	10.78	-0.19	9.54	-0.16	8.97	-0.26	70.32	0.40	0.38
127	B	14.89	-0.10	50.10	0.21	12.60	-0.10	20.90	-0.07	1.53
128	C	28.15	-0.24	7.44	-0.12	40.08	0.32	24.14	-0.03	0.19
129	D	37.60	0.03	18.42	-0.13	17.65	-0.17	25.76	0.25	0.57
130	A	56.30	0.33	10.21	-0.14	10.02	-0.14	22.71	-0.18	0.76
131	B	9.11	-0.17	84.22	0.30	2.52	-0.20	3.97	-0.14	0.18
132	D	32.01	0.06	9.83	-0.11	9.38	-0.17	48.33	0.12	0.45
133	B	6.76	-0.15	71.87	0.24	4.87	-0.10	16.41	-0.13	0.09
134	A	58.07	0.27	20.29	-0.13	15.06	-0.11	6.40	-0.15	0.18
135	C	17.58	-0.05	6.49	-0.17	44.09	0.17	31.74	-0.04	0.09
136	A	70.51	0.43	7.57	-0.34	8.84	-0.16	12.71	-0.17	0.36
137	D	24.44	-0.13	22.45	-0.12	11.72	-0.12	41.30	0.30	0.09
138	A	46.26	0.36	19.39	-0.19	18.30	-0.24	15.78	-0.02	0.27
139	C	14.43	-0.18	10.46	-0.15	59.87	0.35	13.98	-0.14	1.26
140	C	17.31	-0.12	20.56	-0.07	40.94	0.21	20.83	-0.04	0.36
141	B	20.20	-0.08	32.73	0.24	14.70	-0.04	32.19	-0.13	0.18
142	D	48.78	0.10	17.67	-0.12	12.17	-0.20	19.84	0.17	1.53
143	C	31.65	-0.08	7.84	-0.16	50.77	0.25	9.20	-0.13	0.54
144	A	46.62	0.17	9.83	-0.14	25.07	-0.03	17.94	-0.05	0.54
145	B	11.81	-0.17	65.28	0.41	10.28	-0.26	11.99	-0.16	0.63
146	B	11.99	-0.06	50.81	0.18	3.71	-0.24	33.49	-0.06	0.00
147	B	13.51	-0.14	31.02	0.06	23.31	0.03	31.87	0.01	0.29
148	B	17.22	-0.19	60.23	0.35	15.32	-0.15	7.23	-0.18	0.00

**Table 6.34: Distractor Analysis of Multiple Choice Items in Writing on Stage IV**

Item	Key	Option A		Option B		Option C		Option D		% Omit
		%	Pbis	%	Pbis	%	Pbis	%	Pbis	
149	D	3.24	-0.19	3.43	-0.15	5.52	-0.16	87.73	0.30	0.10
150	A	35.78	0.26	23.50	-0.14	13.42	-0.24	27.21	0.04	0.10
151	A	66.22	0.38	8.09	-0.22	8.37	-0.20	17.32	-0.17	0.00
152	B	27.40	0.06	18.55	0.04	25.21	-0.13	28.83	0.03	0.00
153	B	5.71	-0.23	74.12	0.36	10.94	-0.19	9.04	-0.16	0.19
154	D	7.61	-0.15	17.98	-0.17	11.04	-0.24	62.89	0.37	0.48
155	C	3.90	-0.18	4.57	-0.23	84.68	0.34	6.85	-0.15	0.00
156	B	22.93	-0.02	25.98	0.15	6.76	-0.13	43.96	-0.04	0.38
157	D	12.18	-0.21	6.85	-0.14	15.89	-0.22	62.51	0.40	2.57
158	A	51.95	0.26	13.04	-0.15	26.07	-0.09	8.75	-0.15	0.19
159	C	17.70	0.00	23.60	0.00	33.97	0.08	24.55	-0.08	0.19
160	C	30.83	-0.04	6.57	-0.13	27.50	0.06	34.82	0.06	0.29

Note: Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.35: Distractor Analysis of Multiple Choice Items in Listening on Stage IV**

Item	Key	Option A		Option B		Option C		Option D		% Omit
		%	Pbis	%	Pbis	%	Pbis	%	Pbis	
170	A	68.32	0.24	4.95	-0.16	3.97	-0.13	22.36	-0.12	0.40
171	A	61.25	0.31	17.72	-0.19	10.51	-0.11	10.30	-0.14	0.21
172	C	2.01	-0.10	3.41	-0.12	88.65	0.22	5.82	-0.14	0.10
173	C	22.99	0.02	10.74	-0.16	61.14	0.14	4.52	-0.11	0.60
174	D	13.05	-0.10	6.12	-0.16	4.22	-0.12	76.20	0.24	0.40
175	B	7.43	-0.11	17.77	0.11	19.18	-0.13	55.52	0.07	0.10
176	D	7.93	-0.20	3.41	-0.06	22.59	-0.12	65.06	0.26	1.00
177	A	69.58	0.37	7.23	-0.22	10.24	-0.16	12.85	-0.20	0.10
178	A	80.62	0.33	5.92	-0.22	9.64	-0.16	3.71	-0.16	0.10
179	C	11.14	-0.13	15.26	-0.13	57.83	0.28	15.16	-0.12	0.60
180	B	3.92	-0.22	87.65	0.31	3.82	-0.12	4.62	-0.17	0.00
181	D	18.98	-0.15	6.83	-0.14	10.24	-0.15	63.76	0.30	0.20
182	C	15.06	-0.08	8.13	-0.16	69.08	0.23	7.73	-0.13	0.00
183	B	8.87	-0.16	80.44	0.27	6.30	-0.22	4.29	-0.05	0.10
184	C	21.09	-0.07	33.30	0.16	22.61	0.02	22.42	-0.12	0.57
185	B	10.59	-0.19	44.56	0.23	20.13	-0.15	24.24	0.02	0.48
186	C	11.26	-0.06	16.98	-0.10	42.75	0.15	28.82	-0.03	0.19
187	C	10.59	-0.15	25.48	-0.08	49.05	0.22	13.36	-0.07	1.53
188	D	14.60	-0.09	19.37	-0.07	14.79	-0.24	51.15	0.29	0.10
189	C	9.26	-0.23	7.54	-0.14	64.89	0.39	18.13	-0.20	0.19
190	D	24.24	-0.13	10.21	-0.07	19.85	-0.06	44.94	0.20	0.76
191	A	55.44	0.20	13.36	-0.09	10.50	-0.07	20.52	-0.12	0.19
192	B	4.77	-0.20	77.96	0.31	11.26	-0.16	5.82	-0.13	0.19
193	C	12.12	-0.14	4.77	-0.16	65.17	0.26	17.75	-0.11	0.19
194	B	3.25	-0.21	92.79	0.38	0.90	-0.12	3.07	-0.29	0.00
195	A	58.88	0.33	14.43	-0.18	16.14	-0.10	9.83	-0.20	0.72
196	D	4.51	-0.22	5.05	-0.22	12.35	-0.29	77.91	0.46	0.18
197	B	49.68	0.04	43.10	0.12	3.43	-0.27	3.70	-0.14	0.09
198	C	8.12	-0.11	7.48	-0.09	77.55	0.27	6.04	-0.19	0.81
199	A	41.12	0.24	26.24	0.05	16.32	-0.19	16.14	-0.17	0.18
200	B	6.22	-0.14	39.22	0.22	26.78	-0.04	27.50	-0.10	0.27
201	A	41.48	0.31	33.90	-0.03	13.71	-0.19	10.28	-0.24	0.63
202	D	3.16	-0.18	4.24	-0.25	3.61	-0.28	88.91	0.44	0.09
203	D	7.84	-0.07	8.93	-0.20	5.59	-0.16	77.37	0.28	0.27
204	B	8.21	-0.04	73.22	0.25	2.98	-0.24	15.51	-0.15	0.09
205	A	75.17	0.33	11.61	-0.19	7.04	-0.18	5.71	-0.12	0.48
206	B	18.65	-0.05	47.38	0.24	23.98	-0.16	9.42	-0.09	0.57
207	A	64.03	0.37	15.70	-0.19	12.56	-0.21	7.14	-0.13	0.57
208	D	14.37	-0.10	29.31	0.04	24.55	-0.05	31.59	0.08	0.19
209	C	2.66	-0.10	10.85	-0.23	79.07	0.33	6.18	-0.17	1.24
210	C	27.02	-0.11	7.23	-0.10	53.19	0.31	12.27	-0.23	0.29
211	A	94.86	0.34	1.14	-0.14	2.38	-0.20	1.52	-0.22	0.10
212	D	11.99	-0.10	6.57	-0.10	10.28	-0.17	70.79	0.25	0.38
213	D	28.92	-0.14	19.89	0.00	16.37	-0.08	34.73	0.19	0.10
214	B	3.71	-0.17	81.64	0.43	7.04	-0.27	7.33	-0.23	0.29
215	C	3.24	-0.16	2.57	-0.16	85.82	0.20	7.99	-0.05	0.38

Note: Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.36: Distractor Analysis of Multiple Choice Items in Reading on Stage V**

Item	Key	Option A		Option B		Option C		Option D		% Omit
		%	Pbis	%	Pbis	%	Pbis	%	Pbis	
1	B	9.12	-0.26	81.83	0.41	4.35	-0.20	4.59	-0.20	0.12
2	B	38.73	0.05	34.02	0.19	5.37	-0.13	21.22	-0.21	0.66
3	D	19.02	-0.11	8.00	-0.14	13.61	-0.12	56.38	0.28	2.99
4	C	18.23	-0.05	12.13	-0.16	41.99	0.20	27.17	-0.05	0.48
5	A	37.58	0.21	30.27	-0.08	20.80	-0.05	10.53	-0.12	0.81
6	D	9.96	-0.21	20.10	-0.17	13.73	-0.17	55.27	0.40	0.94
7	B	19.71	-0.05	33.44	0.21	33.02	-0.12	13.28	-0.04	0.54
8	D	6.70	-0.10	5.08	-0.17	13.95	-0.18	73.73	0.29	0.54
9	B	11.57	-0.24	68.54	0.43	13.51	-0.26	6.27	-0.15	0.11
10	C	5.41	-0.26	4.76	-0.15	88.00	0.33	1.73	-0.11	0.11
11	C	13.84	-0.11	29.41	-0.17	20.43	0.12	34.16	0.17	2.16
12	D	14.38	-0.23	5.08	-0.11	16.32	-0.08	64.22	0.28	0.00
13	B	16.22	-0.21	66.81	0.39	8.86	-0.19	7.89	-0.19	0.22
14	A	56.65	0.34	16.22	-0.22	10.05	-0.18	15.03	-0.07	2.05
15	A	38.81	0.37	22.49	-0.17	19.78	-0.24	18.59	-0.04	0.32
16	D	13.95	-0.15	17.08	-0.10	21.08	-0.21	47.46	0.35	0.43
17	A	31.78	0.21	23.35	-0.07	24.86	-0.02	18.05	-0.15	1.95
18	A	42.59	0.30	24.11	-0.21	19.35	0.03	13.95	-0.20	0.00
19	D	7.03	-0.19	17.84	-0.15	15.24	-0.12	59.46	0.30	0.43
20	B	6.81	-0.21	73.51	0.42	6.81	-0.18	11.78	-0.25	1.08
21	C	29.08	-0.05	24.65	0.03	29.84	0.13	16.32	-0.13	0.11
22	C	17.62	-0.14	16.43	-0.14	52.97	0.24	12.54	-0.03	0.43
23	D	12.43	-0.17	20.86	-0.10	21.30	-0.06	43.46	0.27	1.95
24	C	16.22	-0.13	17.95	-0.14	54.81	0.31	10.59	-0.14	0.43
25	B	37.19	0.01	30.92	0.11	11.03	-0.14	20.54	-0.02	0.32
26	C	19.89	-0.05	34.05	-0.12	33.84	0.23	11.46	-0.07	0.76
27	D	35.46	0.08	14.70	-0.04	18.70	-0.16	29.73	0.12	1.41
28	C	20.54	-0.07	29.95	-0.03	31.78	0.20	17.19	-0.13	0.54
29	D	24.00	-0.05	22.70	-0.02	32.43	0.00	20.11	0.10	0.76
30	C	25.30	-0.07	13.73	-0.12	32.22	0.12	28.11	0.05	0.65
31	B	34.67	-0.02	55.27	0.18	5.09	-0.20	4.73	-0.15	0.24
32	A	42.18	0.09	15.27	-0.17	32.85	0.05	9.45	-0.03	0.24
33	B	3.27	-0.18	90.42	0.30	4.12	-0.18	1.94	-0.13	0.24
34	A	65.45	0.41	9.09	-0.20	12.73	-0.21	10.06	-0.19	2.67
35	D	6.42	-0.29	8.85	-0.21	14.91	-0.18	69.70	0.43	0.12
36	C	8.48	-0.34	8.73	-0.19	44.73	0.39	37.70	-0.09	0.36
37	B	11.27	-0.26	65.33	0.46	9.21	-0.19	14.18	-0.23	0.00
38	B	26.67	-0.15	26.55	0.14	29.09	0.10	17.58	-0.10	0.12
39	B	7.52	-0.04	64.61	0.34	10.91	-0.22	16.85	-0.22	0.12
40	B	6.30	-0.18	75.39	0.42	12.24	-0.23	5.33	-0.26	0.73
41	A	51.88	0.31	6.79	-0.20	12.73	-0.09	27.88	-0.15	0.73
42	C	16.12	-0.11	19.15	-0.10	50.91	0.24	12.61	-0.08	1.21
43	A	42.79	0.35	28.85	-0.12	13.82	-0.17	13.45	-0.13	1.09
44	C	15.64	-0.17	9.45	-0.14	59.39	0.29	14.55	-0.08	0.97
45	B	13.70	-0.23	63.52	0.39	10.67	-0.19	11.03	-0.10	1.09
46	D	17.70	-0.09	8.85	-0.20	13.09	-0.13	58.55	0.32	1.82
47	B	25.70	-0.07	31.88	0.21	19.76	-0.05	21.33	-0.08	1.33
48	D	28.24	-0.02	22.91	-0.17	23.76	0.03	23.76	0.20	1.33
49	B	18.18	-0.19	44.24	0.30	15.76	-0.09	19.76	-0.04	2.06
50	A	37.82	0.32	17.33	-0.09	16.48	-0.15	26.06	-0.09	2.30
51	D	27.76	-0.07	23.76	-0.02	11.52	-0.15	35.15	0.23	1.82

**Table 6.36: Distractor Analysis of Multiple Choice Items in Reading on Stage V**

Item	Key	Option A		Option B		Option C		Option D		% Omit
		%	Pbis	%	Pbis	%	Pbis	%	Pbis	
52	B	14.06	-0.12	29.21	0.17	22.91	-0.06	31.76	0.04	2.06
53	B	11.64	-0.01	32.73	0.02	16.97	-0.11	36.73	0.13	1.94
54	D	9.18	-0.15	4.72	-0.14	8.16	-0.29	77.55	0.39	0.38
55	B	18.75	-0.23	61.86	0.38	12.12	-0.20	6.76	-0.12	0.51
56	C	3.32	-0.17	3.44	-0.12	91.07	0.24	1.91	-0.10	0.26
57	D	21.43	-0.16	21.17	-0.19	10.33	0.03	44.77	0.27	2.30
58	A	74.74	0.40	8.80	-0.26	11.61	-0.23	4.85	-0.13	0.00
59	A	46.94	0.28	13.27	-0.20	11.48	-0.13	28.19	-0.06	0.13
60	A	60.33	0.32	16.45	-0.14	7.53	-0.12	15.43	-0.19	0.26
61	C	11.48	-0.18	21.05	-0.17	53.44	0.42	14.03	-0.24	0.00
62	B	10.84	-0.23	63.01	0.37	17.86	-0.13	8.04	-0.21	0.26
63	A	58.04	0.38	15.69	-0.11	13.90	-0.22	11.22	-0.20	1.15
64	D	16.33	-0.20	29.97	-0.03	10.97	-0.20	42.47	0.31	0.26
65	C	14.03	-0.08	22.32	-0.19	51.53	0.31	11.99	-0.15	0.13
66	D	6.25	-0.22	15.94	-0.15	11.35	-0.24	66.33	0.39	0.13
67	A	48.21	0.17	23.34	-0.08	16.20	-0.07	11.99	-0.07	0.26
68	C	15.94	-0.17	15.82	-0.14	36.73	0.21	31.38	0.03	0.13
69	B	18.75	0.01	40.18	0.17	17.60	-0.16	22.19	-0.05	1.28
70	C	21.56	-0.02	24.11	-0.01	40.69	0.07	13.52	-0.08	0.13
71	C	20.92	-0.09	16.33	-0.20	50.51	0.33	11.73	-0.15	0.51
72	C	19.64	-0.07	20.66	-0.19	47.58	0.28	12.12	-0.11	0.00
73	D	19.13	-0.13	32.40	-0.02	15.43	-0.07	32.40	0.18	0.64
74	B	23.72	-0.11	34.06	0.19	23.09	-0.10	18.88	0.00	0.26
75	B	27.30	-0.04	43.88	0.15	18.75	-0.12	9.69	-0.02	0.38
76	A	43.11	0.26	16.45	-0.07	18.49	-0.05	21.68	-0.20	0.26
77	D	16.43	-0.20	5.78	-0.12	7.19	-0.20	70.60	0.34	0.00
78	C	12.07	-0.32	3.98	-0.22	80.10	0.47	3.59	-0.21	0.26
79	D	3.59	-0.22	3.85	-0.19	4.49	-0.13	87.80	0.33	0.26
80	D	24.78	-0.17	20.15	-0.11	35.56	0.22	16.56	0.06	2.95
81	B	12.84	-0.16	68.04	0.24	12.97	-0.12	6.03	-0.07	0.13
82	A	35.04	0.17	19.26	-0.03	24.90	-0.02	20.28	-0.13	0.51
83	D	24.26	0.02	18.61	-0.16	21.18	-0.06	33.89	0.17	2.05
84	D	32.09	-0.14	8.60	-0.23	12.71	-0.11	46.60	0.34	0.00
85	C	12.45	-0.08	28.37	-0.07	49.42	0.17	9.63	-0.08	0.13
86	B	22.46	-0.12	44.29	0.32	12.71	-0.16	20.03	-0.12	0.51
87	A	58.15	0.12	22.46	-0.02	8.86	-0.09	10.53	-0.07	0.00
88	B	11.94	-0.12	57.00	0.39	15.66	-0.25	15.15	-0.18	0.26
89	C	17.07	-0.07	11.68	-0.19	59.69	0.30	10.53	-0.16	1.03
90	A	66.37	0.31	8.09	-0.17	7.96	-0.26	17.59	-0.08	0.00
91	D	18.23	-0.03	21.05	-0.20	18.10	-0.10	42.36	0.28	0.26
92	B	18.49	-0.14	42.88	0.33	14.51	-0.16	23.23	-0.11	0.90
93	C	33.76	-0.11	26.44	-0.07	30.17	0.24	9.63	-0.09	0.00
94	C	28.63	-0.07	25.93	-0.08	31.96	0.25	13.09	-0.13	0.39
95	B	22.34	-0.18	49.81	0.32	14.38	-0.14	13.22	-0.09	0.26
96	D	14.38	-0.16	31.32	0.05	20.92	-0.13	32.48	0.18	0.90
97	B	17.20	-0.14	33.12	0.23	19.51	-0.04	29.78	-0.08	0.39
98	A	30.17	0.11	21.18	-0.08	28.11	-0.09	19.90	0.06	0.64
99	C	23.36	-0.05	15.15	-0.21	34.53	0.33	26.44	-0.13	0.51

Note: Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.37: Distractor Analysis of Multiple Choice Items in Writing on Stage V**

Item	Key	Option A		Option B		Option C		Option D		% Omit
		%	Pbis	%	Pbis	%	Pbis	%	Pbis	
100	A	69.45	0.33	19.65	-0.16	8.45	-0.25	2.35	-0.12	0.09
101	C	3.11	-0.13	1.54	-0.11	90.79	0.23	3.95	-0.14	0.60
102	D	11.78	-0.07	17.30	-0.19	8.65	-0.14	61.84	0.29	0.43
103	B	38.59	0.03	35.46	0.16	16.97	-0.12	8.43	-0.15	0.54
104	A	82.70	0.16	12.76	-0.11	2.81	-0.08	1.62	-0.08	0.11
105	B	11.68	0.01	65.62	0.16	9.62	-0.08	12.76	-0.15	0.32
106	D	33.73	-0.20	6.49	-0.27	9.73	-0.11	49.84	0.39	0.22
107	B	4.32	-0.11	76.22	0.32	10.59	-0.18	8.76	-0.19	0.11
108	A	83.78	0.33	10.49	-0.19	2.16	-0.18	2.38	-0.19	1.19
109	B	3.24	-0.13	94.05	0.23	1.30	-0.13	1.30	-0.13	0.11
110	D	4.00	-0.21	7.68	-0.22	1.95	-0.20	86.05	0.37	0.32
111	B	23.78	-0.14	51.57	0.36	8.00	-0.29	15.78	-0.10	0.86
112	A	72.54	0.46	14.92	-0.19	10.49	-0.38	2.05	-0.14	0.00
113	A	53.73	0.20	7.14	-0.15	7.03	-0.22	31.68	0.00	0.43
114	C	22.16	0.09	11.46	-0.09	41.62	0.07	23.78	-0.08	0.97
115	B	18.49	-0.14	56.11	0.24	16.97	-0.11	8.11	-0.08	0.32
116	C	22.27	-0.05	13.51	-0.13	45.08	0.20	18.49	-0.07	0.65
117	D	6.38	-0.24	15.03	-0.06	15.89	-0.15	61.62	0.30	1.08
118	D	6.59	-0.16	12.32	-0.16	21.19	-0.23	59.68	0.39	0.22
119	C	13.30	-0.16	12.65	-0.20	64.97	0.37	8.86	-0.19	0.22
120	C	13.94	-0.23	16.97	-0.14	63.15	0.40	5.82	-0.26	0.12
121	D	4.97	-0.21	6.42	-0.19	14.06	-0.15	74.30	0.34	0.24
122	C	51.64	-0.01	25.70	0.01	18.06	0.08	4.48	-0.15	0.12
123	D	7.88	-0.23	9.09	-0.19	5.09	-0.22	77.82	0.40	0.12
124	D	12.97	-0.16	40.61	-0.14	16.48	0.04	29.82	0.24	0.12
125	C	4.73	-0.24	27.64	-0.06	52.97	0.21	14.55	-0.08	0.12
126	A	24.24	0.25	27.15	0.15	28.36	-0.38	20.12	-0.01	0.12
127	C	34.06	-0.14	13.94	-0.18	35.64	0.28	16.12	-0.01	0.24
128	C	7.88	-0.26	1.58	-0.14	88.61	0.36	1.82	-0.19	0.12
129	A	65.70	0.48	5.82	-0.16	16.24	-0.30	11.52	-0.25	0.73
130	B	18.30	-0.06	51.64	0.43	16.85	-0.26	12.85	-0.27	0.36
131	C	39.39	-0.25	25.21	-0.03	17.21	0.19	17.82	0.17	0.36
132	D	16.00	-0.05	20.97	-0.09	26.42	-0.11	35.03	0.24	1.58
133	C	15.52	-0.10	18.91	-0.07	49.58	0.25	15.39	-0.15	0.61
134	A	83.27	0.41	6.91	-0.19	5.21	-0.29	4.24	-0.19	0.36
135	B	48.12	0.13	16.36	0.01	22.30	0.00	12.73	-0.20	0.48
136	B	19.39	-0.21	46.18	0.35	17.33	-0.19	16.73	-0.03	0.36
137	B	9.94	-0.20	38.91	0.16	32.61	0.03	18.06	-0.08	0.48
138	A	13.52	0.02	6.76	-0.10	10.08	-0.14	69.52	0.14	0.13
139	C	8.42	-0.13	35.46	-0.03	22.96	0.16	32.78	-0.05	0.38
140	B	10.46	-0.14	59.06	0.28	25.64	-0.14	4.72	-0.14	0.13
141	C	7.14	-0.10	7.02	-0.21	71.81	0.36	14.03	-0.23	0.00
142	D	45.41	-0.06	15.05	-0.18	8.80	-0.05	30.74	0.24	0.00
143	C	11.73	-0.12	51.28	0.06	27.42	0.11	9.18	-0.14	0.38
144	A	73.72	0.35	16.33	-0.22	3.06	-0.17	6.63	-0.17	0.26
145	A	85.46	0.40	5.36	-0.22	4.72	-0.29	4.21	-0.14	0.26
146	C	2.93	-0.10	11.10	-0.18	83.42	0.29	2.42	-0.24	0.13
147	B	7.78	-0.16	78.32	0.40	7.91	-0.24	4.72	-0.24	1.28
148	B	20.15	-0.05	15.18	-0.01	11.22	-0.09	53.19	0.11	0.26
149	C	15.18	-0.20	7.02	-0.16	62.12	0.33	15.31	-0.13	0.38
150	C	25.26	-0.05	29.97	0.07	37.12	0.11	6.89	-0.25	0.77



**Table 6.37: Distractor Analysis of Multiple Choice Items in Writing on Stage V**

Item	Key	Option A		Option B		Option C		Option D		% Omit
		%	Pbis	%	Pbis	%	Pbis	%	Pbis	
151	D	21.43	-0.11	19.39	-0.12	15.82	-0.18	43.37	0.32	0.00
152	A	76.40	0.36	9.44	-0.29	7.78	-0.13	6.38	-0.15	0.00
153	C	25.38	0.01	12.12	-0.16	56.63	0.19	4.97	-0.19	0.89
154	A	47.07	0.18	22.70	-0.07	12.76	-0.12	17.47	-0.05	0.00
155	C	28.06	-0.16	11.35	-0.10	45.92	0.30	14.67	-0.14	0.00
156	A	40.56	0.23	18.61	-0.25	13.74	-0.11	26.96	0.05	0.13
157	A	38.00	0.18	34.02	-0.01	15.53	-0.15	11.81	-0.08	0.64
158	B	5.91	-0.14	79.33	0.30	9.63	-0.20	5.13	-0.13	0.00
159	A	18.61	0.20	49.04	-0.13	5.65	-0.05	26.57	0.01	0.13
160	D	6.29	-0.17	10.14	-0.23	15.66	-0.27	67.91	0.45	0.00
161	D	10.40	-0.28	9.76	-0.19	15.66	-0.05	63.67	0.36	0.51
162	D	8.34	-0.17	8.47	-0.07	11.68	-0.11	71.25	0.23	0.26
163	B	49.94	0.04	22.34	0.03	6.80	-0.11	20.54	0.00	0.39
164	C	11.68	-0.07	6.55	-0.26	70.73	0.42	10.78	-0.34	0.26
165	A	51.60	0.37	13.61	-0.22	24.78	-0.09	8.22	-0.23	1.80
166	B	19.51	-0.31	59.69	0.43	10.53	-0.07	10.01	-0.22	0.26
167	A	20.41	0.16	19.51	-0.06	28.88	-0.12	30.94	0.03	0.26
168	A	56.48	0.13	22.21	-0.01	10.53	-0.10	9.76	-0.07	1.03
169	B	37.48	-0.08	26.06	0.26	18.36	0.00	18.10	-0.20	0.00
170	B	13.09	-0.30	61.23	0.43	16.94	-0.19	8.60	-0.13	0.13
171	C	6.68	-0.19	10.01	-0.35	71.89	0.41	10.91	-0.09	0.51
172	D	10.14	-0.18	12.84	-0.36	13.09	-0.17	63.93	0.49	0.00
173	D	13.09	-0.17	39.67	0.06	31.19	0.06	15.79	0.01	0.26

Note: Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table 6.38: Distractor Analysis of Multiple Choice Items in Listening on Stage V**

Item	Key	Option A		Option B		Option C		Option D		% Omit
		%	Pbis	%	Pbis	%	Pbis	%	Pbis	
183	B	1.99	-0.19	96.41	0.28	0.60	-0.12	0.66	-0.17	0.33
184	C	32.30	0.01	21.79	-0.26	34.23	0.25	11.29	-0.06	0.39
185	B	10.92	-0.15	81.41	0.30	5.19	-0.23	2.16	-0.10	0.32
186	D	4.11	-0.14	3.89	-0.14	35.24	-0.20	56.22	0.32	0.54
187	A	64.22	0.40	11.46	-0.19	18.05	-0.29	5.73	-0.06	0.54
188	B	3.24	-0.19	54.38	0.30	19.68	-0.25	21.73	-0.03	0.97
189	B	25.41	-0.17	48.00	0.36	12.22	-0.14	13.30	-0.15	1.08
190	A	60.65	0.29	15.68	-0.05	7.78	-0.20	15.78	-0.18	0.11
191	A	69.19	0.44	10.05	-0.21	16.97	-0.26	3.03	-0.21	0.76
192	C	17.30	-0.09	7.57	-0.07	44.97	0.33	30.16	-0.24	0.00
193	C	26.38	-0.07	7.03	-0.20	48.65	0.28	17.73	-0.14	0.22
194	D	18.49	-0.18	6.16	-0.15	13.95	-0.15	61.30	0.33	0.11
195	D	14.70	0.04	20.97	-0.15	10.27	-0.21	53.62	0.23	0.43
196	C	2.55	-0.17	4.24	-0.14	79.39	0.28	13.09	-0.16	0.73
197	A	49.70	0.20	7.64	-0.09	35.27	-0.15	6.55	0.00	0.85
198	C	5.58	-0.29	17.21	-0.06	68.97	0.36	7.88	-0.28	0.36
199	B	1.82	-0.12	91.88	0.30	4.00	-0.22	1.09	-0.16	1.21
200	A	58.79	0.39	9.09	-0.10	8.61	-0.11	22.79	-0.29	0.73
201	D	12.61	-0.17	10.91	-0.18	12.85	-0.15	63.15	0.34	0.48
202	B	4.61	-0.12	71.15	0.35	9.45	-0.29	14.30	-0.12	0.48
203	D	10.55	-0.21	6.30	-0.28	11.15	-0.16	71.64	0.41	0.36
204	C	7.03	-0.18	6.67	-0.24	79.64	0.41	6.30	-0.24	0.36
205	D	5.09	-0.15	8.48	-0.10	24.48	-0.28	61.82	0.37	0.12
206	D	13.09	-0.09	24.24	-0.09	28.73	-0.08	33.45	0.24	0.48
207	A	59.82	0.37	8.04	-0.21	5.74	-0.23	26.02	-0.16	0.38
208	C	10.46	-0.23	9.69	-0.08	73.21	0.34	5.61	-0.20	1.02
209	A	71.68	0.30	22.83	-0.16	2.55	-0.22	2.68	-0.21	0.26
210	A	85.59	0.45	3.70	-0.30	3.57	-0.20	5.87	-0.25	1.28
211	C	31.38	0.08	19.64	-0.26	39.67	0.22	8.80	-0.16	0.51
212	A	71.30	0.33	9.18	-0.21	5.48	-0.10	13.78	-0.18	0.26
213	C	30.48	0.05	15.43	-0.10	43.24	0.14	10.08	-0.20	0.77
214	C	13.52	-0.07	12.63	-0.04	33.55	0.19	39.92	-0.10	0.38
215	C	9.82	-0.05	17.86	-0.12	33.16	0.11	38.78	0.02	0.38
216	B	5.99	-0.15	76.79	0.38	10.97	-0.26	5.99	-0.17	0.26
217	C	24.36	-0.04	18.88	-0.16	46.17	0.22	10.20	-0.08	0.38
218	A	95.89	0.31	1.93	-0.23	1.16	-0.17	0.51	-0.15	0.51
219	C	4.49	-0.29	3.21	-0.20	65.98	0.27	25.55	-0.07	0.77
220	A	44.16	0.22	20.67	-0.03	25.03	-0.12	9.88	-0.15	0.26
221	B	4.62	-0.25	86.26	0.47	5.91	-0.34	2.18	-0.20	1.03
222	D	23.36	-0.23	10.91	-0.13	16.43	-0.15	48.52	0.38	0.77
223	B	8.99	-0.11	81.77	0.37	6.16	-0.27	3.08	-0.27	0.00
224	A	60.98	0.32	12.84	-0.22	13.86	-0.16	10.53	-0.08	1.80
225	B	5.65	-0.05	80.10	0.22	6.29	-0.21	7.96	-0.10	0.00
226	D	5.91	-0.18	5.52	-0.29	9.37	-0.25	78.95	0.45	0.26
227	B	30.42	0.10	38.00	0.15	20.03	-0.19	11.17	-0.13	0.39
228	D	14.38	-0.10	27.60	-0.01	17.59	0.02	40.05	0.08	0.39

Note: Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

### 6.3 Item Response Theory Analysis

IRT models were used in the item calibration for the field test analysis. Items on four field test forms were calibrated concurrently by stage for Stages I through V. For the Kindergarten Placement test, the two field test forms were calibrated concurrently. While traditional item statistics were computed for ELL, FEP, and non-ELL students separately, the IRT analyses were conducted using only ELL students. The Rasch model (Rasch, 1960) was used for one point items. It estimates item difficulty and student ability on the same scale. Under the Rasch model, the probability that student  $j$  with ability  $\theta$  answers item  $i$  with difficulty of  $b$  correctly is

$$P_i(\theta_j) = \frac{\exp(\theta_j - b_i)}{1 + \exp(\theta_j - b_i)}.$$

For multiple point items, the partial credit model (Masters, 1982) was used to establish the scale. The partial credit model is an extension of Rasch model for items, for which students may get partial credit. Thus, the partial credit model reduces to the Rasch model when items have only two response categories (i.e., 0 or 1). According to the partial credit model, the probability that student  $j$  scores  $x$  on item  $i$  which has a maximum possible point of  $m$  ( $k=m+1$  possible response categories) is expressed as

$$P_{ix}(\theta_j) = \frac{\exp \sum_{l=0}^x (\theta_j - D_{il})}{\sum_{k=0}^{m_i} [\exp \sum_{l=0}^k (\theta_j - D_{il})]},$$

where  $x=0,1,\dots,m_i$ ,  $D_{il}$  is a step difficulty for score  $l$  and by definition  $D_{i0}=0$ .

The step difficulty,  $D_{il}$ , can be decomposed such that

$$D_{il} = b_i + h_{il},$$

where  $b_i$  is an overall difficulty for item  $i$  and  $h_{il}$  is a threshold for score  $l$  (Embretson & Reise, 2000; Linacre, 2009). This parameterization allows  $b_i$  in the partial credit model to be comparable to  $b_i$  in the Rasch model.

In addition to IRT item difficulty statistics, standard error of estimates for the difficulty parameters and item fit statistics were obtained. The standard error of the item difficulty parameters indicates how well the parameters are estimated. Item fit statistics are indices of how well the data fits the model. Weighted mean-square (weighted MNSQ) and unweighted mean-square (unweighted MNSQ) were the two statistics obtained for the field test analysis. The weighted MNSQ, referred to as infit MNSQ, is sensitive to unexpected responses at or near the item's calibrated level; whereas, the unweighted MNSQ, referred to as outfit MNSQ, is sensitive to unexpected responses away from the item's calibrated level (Linacre, 2009). Typically, for infit MNSQ, values less than 0.6 or greater than 1.4 are considered as misfit, where for outfit MNSQ misfit is indicated with values greater than 1.4 (Wright & Linacre, 1994).

All the IRT statistics above were obtained by WINSTEPS 3.69.1 (Linacre, 2009). The IRT statistics are summarized by stage and domain in Table 6.39 through Table 6.61. Note that item difficulty values ( $b$ ) are presented for both multiple choice items and multiple point items in the tables.

**Table 6.39: IRT Statistics for Items in Prereading on Kindergarten Placement Test**

Item	Item Type	Rasch Diff.	SE Rasch Diff.	INFIT	OUTFIT	Item	Item Type	Rasch Diff.	SE Rasch Diff.	INFIT	OUTFIT
1	PR1	0.53	0.14	1.28	1.31	6	PR1	1.52	0.15	1.12	1.88
2	PR1	1.60	0.10	1.17	1.41	7	PR1	2.00	0.15	1.07	1.16
3	PR1	2.13	0.13	1.15	1.42	8	OR3	1.72	0.07	1.15	1.14
4	PR1	2.68	0.13	1.15	1.30	9	OR3	1.47	0.08	0.84	0.78
5	PR1	-0.11	0.18	1.16	1.13						

Note: OR3=3 Point Oral Response Items; PR1=1 Point Physical Response Items, Item number does not indicate item location on a field test form as all items on 2 field test forms were concurrently analyzed.

**Table 6.40: IRT Statistics for Items in Prewriting on Kindergarten Placement Test**

Item	Item Type	Rasch Diff.	SE Rasch Diff.	INFIT	OUTFIT	Item	Item Type	Rasch Diff.	SE Rasch Diff.	INFIT	OUTFIT
10	PR1	-0.73	0.18	1.00	0.80	12	PR1	-0.34	0.19	0.78	0.59
11	PR1	-0.45	0.17	1.06	0.87	13	PR1	-0.34	0.19	0.79	0.53

Note: PR1=1 Point Physical Response Items, Item number does not indicate item location on a field test form as all items on 2 field test forms were concurrently analyzed.

**Table 6.41: IRT Statistics for Items in Listening/Speaking on Kindergarten Placement Test**

Item	Item Type	Rasch Diff.	SE Rasch Diff.	INFIT	OUTFIT	Item	Item Type	Rasch Diff.	SE Rasch Diff.	INFIT	OUTFIT
14	PR1	1.39	0.13	1.13	1.11	42	OR1	-1.90	0.26	0.90	0.55
15	PR1	0.94	0.13	0.99	0.96	43	OR1	-2.46	0.32	1.00	0.70
16	PR1	-0.46	0.19	0.96	0.90	44	OR1	0.46	0.14	0.87	0.73
17	PR1	1.37	0.15	1.18	1.29	45	OR1	0.27	0.15	0.98	0.83
18	OR1	-0.57	0.13	0.89	0.81	46	OR1	3.52	0.15	1.10	1.29
19	OR1	0.03	0.15	0.94	0.71	47	OR1	-0.69	0.13	0.98	1.12
20	OR1	-0.31	0.16	0.85	0.87	48	OR1	-0.40	0.17	0.93	0.71
21	OR1	-0.02	0.15	0.80	0.59	49	OR1	-2.04	0.27	0.95	1.24
22	PR1	-0.81	0.14	0.99	0.93	50	OR1	1.02	0.10	1.05	1.05
23	PR1	-1.77	0.25	0.92	1.02	51	OR1	0.46	0.14	0.85	0.68
24	PR2	-0.34	0.12	1.02	1.40	52	OR1	1.04	0.13	0.92	0.80
25	PR2	-0.65	0.14	1.24	1.49	53	OR1	0.19	0.15	0.98	0.91
26	PR1	1.79	0.13	0.94	1.00	54	OR1	0.05	0.18	0.95	0.86
27	OR1	-0.34	0.19	0.91	0.89	55	OR1	-0.87	0.21	1.20	1.58
28	OR1	0.05	0.18	1.08	1.41	56	OR1	-1.39	0.25	0.80	0.48
29	OR1	0.64	0.16	0.86	0.83	57	OR1	-1.58	0.26	0.94	0.57
30	PR1	-1.16	0.23	0.88	0.58	58	OR1	-1.95	0.29	0.77	0.51
31	PR2	0.12	0.12	1.02	1.02	59	OR1	-0.49	0.20	0.85	0.72
32	PR2	0.18	0.12	0.82	0.73	60	OR1	-2.56	0.35	0.97	0.88
33	PR1	1.61	0.15	1.10	1.30	61	OR1	-2.04	0.30	1.06	0.48
34	OR1	-2.51	0.24	1.14	0.89	62	OR1	0.11	0.17	1.02	0.98
35	OR1	0.55	0.14	0.88	0.84	63	OR1	0.34	0.17	0.96	1.11
36	OR1	-2.37	0.31	0.92	1.12	64	OR1	3.29	0.17	1.15	1.22
37	OR1	0.59	0.14	1.13	1.15	65	OR1	-1.33	0.24	1.07	0.77
38	OR1	-0.09	0.16	0.90	0.72	66	OR1	-1.06	0.22	1.16	1.25
39	OR1	-1.39	0.22	0.86	0.69	67	OR1	0.98	0.15	0.99	1.04
40	OR1	1.01	0.13	0.90	0.80	68	OR1	1.05	0.15	1.06	1.01
41	OR1	-1.71	0.18	1.04	0.91	69	OR1	0.51	0.16	0.94	0.82

Note: OR1=1 Point Oral Response Item, PR1=1 Point Physical Response Items, PR2: 2 Point Physical Response Item, Item number does not indicate item location on a field test form as all items on 2 field test forms were concurrently analyzed.

**Table 6.42: IRT Statistics for Items in Prereading on Stage I**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
1	MC	-2.83	0.14	0.94	0.68	26	MC	-0.68	0.06	0.98	0.98
2	MC	-0.68	0.06	0.95	0.92	27	MC	1.29	0.04	1.16	1.25
3	MC	0.03	0.05	0.93	0.89	28	MC	-2.46	0.12	0.93	0.56
4	MC	-2.12	0.05	0.96	0.79	29	MC	-1.03	0.07	0.89	0.71
5	MC	-1.12	0.07	0.96	0.92	30	MC	-1.53	0.08	0.89	0.53
6	MC	0.77	0.04	1.03	1.02	31	MC	-1.87	0.09	0.92	0.71
7	MC	-1.19	0.07	0.96	0.78	32	MC	1.11	0.04	1.06	1.07
8	MC	0.04	0.03	1.01	0.97	33	MC	0.36	0.05	0.95	0.89
9	MC	0.78	0.04	1.09	1.09	34	MC	-0.34	0.06	0.98	0.92
10	MC	-1.24	0.07	0.94	0.90	35	MC	-0.43	0.06	0.86	0.67
11	MC	0.58	0.02	1.02	1.00	36	MC	0.70	0.04	1.00	1.00
12	MC	0.25	0.02	0.93	0.87	37	MC	1.14	0.04	1.08	1.12
13	MC	-0.09	0.03	0.94	0.85	38	MC	1.03	0.04	1.14	1.19
14	MC	1.45	0.04	1.08	1.12	39	MC	-2.71	0.14	0.98	0.78
15	MC	0.15	0.05	0.95	0.91	40	MC	-0.92	0.07	0.94	0.84
16	MC	-0.45	0.06	0.99	0.96	41	MC	-0.68	0.06	0.93	0.74
17	MC	-2.37	0.12	0.99	0.84	42	MC	-0.30	0.05	1.06	1.13
18	MC	0.03	0.05	0.97	0.94	43	MC	0.16	0.05	0.97	0.90
19	MC	-0.80	0.07	0.91	0.68	44	MC	-1.11	0.07	0.92	0.66
20	MC	0.00	0.05	0.98	0.97	45	MC	0.59	0.04	1.08	1.09
21	MC	1.32	0.04	1.04	1.05	46	MC	-0.29	0.05	0.88	0.79
22	MC	0.79	0.04	0.97	0.94	47	MC	-0.61	0.06	0.95	0.87
23	MC	-0.55	0.06	1.08	1.11	48	MC	-1.23	0.07	0.94	0.73
24	MC	-1.08	0.07	0.92	0.76	49	MC	0.99	0.04	1.13	1.19
25	MC	0.24	0.05	0.96	0.89						

**Table 6.43: IRT Statistics for Items in Prewriting on Stage I**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
50	SA2	-2.26	0.11	1.00	0.96	76	SA2	1.67	0.03	0.77	0.77
51	SA2	-1.88	0.06	1.08	1.47	77	SA3	1.80	0.03	0.75	0.74
52	SA2	-0.92	0.04	1.04	1.05	78	SA2	-1.92	0.07	1.12	1.27
53	SA2	-0.85	0.04	1.06	1.10	79	SA2	-1.09	0.04	1.11	1.14
54	SA2	0.28	0.03	1.06	1.13	80	SA2	-0.88	0.04	0.98	0.97
55	SA2	-1.06	0.02	1.08	1.12	81	SA2	-0.92	0.04	0.97	0.97
56	SA2	0.14	0.03	0.92	0.90	82	SA2	-0.04	0.04	1.09	1.14
57	SA2	0.25	0.03	0.96	0.90	83	SA2	0.17	0.03	1.10	1.16
58	SA2	0.15	0.03	0.92	0.88	84	SA2	0.43	0.03	0.95	0.91
59	SA1	1.74	0.02	0.99	1.02	85	SA2	-0.04	0.04	0.87	0.77
60	SA1	1.73	0.04	1.01	1.03	86	SA1	2.78	0.05	1.08	1.21
61	SA1	0.82	0.04	1.06	1.08	87	SA1	0.87	0.04	1.14	1.20
62	SA2	1.60	0.03	0.79	0.77	88	SA2	1.76	0.03	0.77	0.76
63	SA2	1.72	0.02	0.77	0.76	89	SA3	2.30	0.03	0.75	0.73
64	SA3	2.47	0.03	0.84	0.83	90	SA2	-1.61	0.07	1.06	1.26
65	SA3	2.55	0.01	0.85	0.85	91	SA2	-1.19	0.04	1.11	1.16
66	SA2	-1.93	0.07	1.00	1.25	92	SA2	-1.01	0.04	1.01	1.02
67	SA2	-1.57	0.06	1.03	1.26	93	SA2	-0.50	0.05	1.02	1.04
68	SA2	-0.96	0.04	0.99	0.99	94	SA2	-0.05	0.04	1.04	1.07
69	SA2	-0.59	0.04	1.00	1.01	95	SA2	0.00	0.04	0.92	0.96
70	SA2	0.12	0.04	1.10	1.11	96	SA2	0.24	0.03	0.93	1.01
71	SA2	0.11	0.04	0.99	0.92	97	SA2	0.67	0.03	0.89	0.88
72	SA2	0.57	0.03	0.88	0.83	98	SA1	1.75	0.04	0.96	0.95
73	SA2	0.57	0.03	0.86	0.86	99	SA1	2.08	0.04	0.98	0.96
74	SA1	2.90	0.05	1.11	1.26	100	SA2	1.56	0.03	0.74	0.74
75	SA1	2.30	0.04	0.96	0.93	101	SA3	2.76	0.03	0.82	0.81

**Table 6.44: IRT Statistics for Items in Listening on Stage I**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
102	MC	-3.13	0.08	0.98	0.68	121	MC	0.33	0.05	0.96	0.91
103	MC	-3.26	0.17	0.96	0.69	122	MC	-3.21	0.17	0.97	0.62
104	MC	-3.10	0.16	0.98	0.71	123	MC	-3.18	0.17	0.97	0.71
105	MC	-3.15	0.16	0.98	0.63	124	MC	-0.13	0.05	1.02	1.02
106	MC	0.15	0.05	1.02	1.01	125	MC	-0.82	0.06	1.02	0.97
107	MC	0.62	0.02	1.01	0.97	126	MC	-0.62	0.06	0.91	0.86
108	MC	-0.10	0.05	1.04	1.11	127	MC	-0.21	0.05	1.03	1.07
109	MC	-0.61	0.06	0.91	0.79	128	MC	-0.62	0.06	0.91	0.81
110	MC	0.83	0.04	0.98	0.96	129	MC	-0.87	0.07	0.91	0.86
111	MC	-1.00	0.07	0.94	0.85	130	MC	-0.83	0.06	0.91	0.84
112	MC	-1.21	0.07	0.90	0.68	131	MC	-3.01	0.16	0.94	0.52
113	MC	-3.53	0.21	0.98	0.54	132	MC	-3.43	0.19	1.00	0.79
114	MC	-2.50	0.13	0.97	0.67	133	MC	0.31	0.05	1.06	1.09
115	MC	-1.11	0.07	1.00	0.94	134	MC	1.37	0.04	1.24	1.39
116	MC	1.01	0.04	1.15	1.21	135	MC	-0.62	0.06	1.02	1.10
117	MC	0.54	0.05	0.96	0.92	136	MC	1.66	0.04	1.15	1.21
118	MC	-0.01	0.05	1.01	1.03	137	MC	-0.42	0.06	1.04	1.08
119	MC	0.53	0.05	1.15	1.25	138	MC	0.08	0.05	0.94	0.90
120	MC	-1.23	0.08	0.90	0.60	139	MC	0.05	0.05	0.99	0.98

**Table 6.45: IRT Statistics for Items in Speaking on Stage I**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
140	SA1	-0.42	0.06	1.07	1.12	156	SA2	0.91	0.03	1.17	1.31
141	SA1	0.37	0.05	0.95	0.93	157	SA1	-0.62	0.06	1.08	1.18
142	SA1	-1.68	0.09	1.05	1.20	158	SA1	0.67	0.04	0.97	0.95
143	SA2	0.93	0.01	1.18	1.31	159	SA1	-1.13	0.07	1.03	1.14
144	SA2	0.60	0.03	1.11	1.25	160	SA2	2.48	0.03	1.30	1.65
145	SA1	1.77	0.02	1.03	1.04	161	SA1	1.96	0.04	0.99	1.00
146	SA1	2.74	0.05	1.14	1.42	162	SA1	3.65	0.06	1.05	1.18
147	SA1	3.14	0.05	1.02	1.21	163	SA2	0.79	0.03	1.21	1.37
148	SA2	0.93	0.01	1.19	1.38	164	SA1	-0.29	0.05	1.06	1.15
149	SA2	1.19	0.03	1.19	1.36	165	SA1	0.73	0.04	0.96	0.95
150	SA1	-0.66	0.06	1.06	1.24	166	SA1	-1.18	0.07	1.03	1.07
151	SA1	0.35	0.05	0.96	0.94	167	SA2	2.49	0.03	1.33	1.78
152	SA1	-0.82	0.07	1.02	1.12	168	SA1	1.61	0.04	0.97	0.98
153	SA2	0.21	0.03	1.09	1.21	169	SA1	3.62	0.05	1.04	1.08
154	SA1	2.00	0.04	1.02	1.03	170	SA2	0.93	0.03	1.18	1.28
155	SA1	4.43	0.07	1.08	1.45						



**Table 6.46: IRT Statistics for Items in Reading on Stage II**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
1	MC	-2.31	0.04	0.97	0.86	52	MC	0.08	0.05	0.98	0.97
2	MC	-0.34	0.02	1.01	0.99	53	MC	-0.30	0.05	0.89	0.85
3	MC	-0.33	0.02	1.18	1.26	54	MC	0.36	0.05	1.16	1.18
4	MC	0.28	0.02	1.14	1.16	55	MC	-2.04	0.07	0.95	0.84
5	MC	0.09	0.02	0.99	0.97	56	MC	-0.29	0.05	0.85	0.81
6	MC	0.96	0.02	1.02	1.05	57	MC	0.30	0.05	0.95	0.94
7	MC	0.33	0.02	0.95	0.94	58	MC	0.85	0.05	1.06	1.08
8	MC	0.04	0.05	0.95	0.95	59	MC	0.82	0.05	1.09	1.12
9	MC	-0.86	0.05	1.01	1.03	60	MC	0.59	0.05	1.00	1.01
10	MC	-2.78	0.10	0.98	0.86	61	MC	0.33	0.05	1.18	1.21
11	MC	0.61	0.05	1.01	1.02	62	MC	0.91	0.05	1.00	1.03
12	MC	0.05	0.05	0.91	0.90	63	MC	0.68	0.05	1.10	1.12
13	MC	-0.72	0.05	1.04	1.08	64	MC	0.76	0.05	1.07	1.09
14	MC	-0.40	0.05	0.93	0.88	65	MC	-1.09	0.05	0.97	0.96
15	MC	0.02	0.05	0.94	0.93	66	MC	-3.12	0.11	0.98	0.88
16	MC	0.20	0.05	0.90	0.89	67	MC	-0.41	0.05	0.91	0.86
17	MC	-1.13	0.06	0.99	1.00	68	MC	0.41	0.05	1.00	1.00
18	MC	1.20	0.05	1.11	1.19	69	MC	1.09	0.05	1.01	1.05
19	MC	0.30	0.05	0.94	0.94	70	MC	-0.25	0.05	1.09	1.13
20	MC	0.55	0.05	1.08	1.11	71	MC	-1.05	0.05	0.88	0.80
21	MC	0.40	0.05	1.04	1.06	72	MC	-0.17	0.05	0.88	0.84
22	MC	0.61	0.05	0.98	0.98	73	MC	0.25	0.05	1.03	1.03
23	MC	0.30	0.05	0.92	0.91	74	MC	-0.81	0.05	1.00	1.00
24	MC	0.08	0.05	0.93	0.92	75	MC	-0.15	0.05	1.10	1.12
25	MC	-0.10	0.05	0.94	0.91	76	MC	0.43	0.05	0.89	0.88
26	MC	0.52	0.05	0.98	0.98	77	MC	0.43	0.05	0.95	0.96
27	MC	-0.99	0.05	0.97	0.94	78	MC	0.63	0.05	0.89	0.89
28	MC	-2.84	0.10	0.98	0.93	79	MC	0.73	0.05	1.05	1.07
29	MC	-1.85	0.07	0.96	0.88	80	MC	-0.62	0.05	1.00	0.97
30	MC	0.80	0.05	1.01	1.03	81	MC	0.48	0.05	0.91	0.90
31	MC	0.26	0.05	0.96	0.95	82	MC	0.22	0.05	1.03	1.03
32	MC	-0.29	0.05	1.04	1.06	83	MC	0.40	0.05	1.02	1.02
33	MC	-0.28	0.05	0.92	0.87	189	SA1	-0.05	0.02	1.07	1.08
34	MC	0.07	0.05	0.91	0.89	191	SA3	0.53	0.01	0.86	0.84
35	MC	0.65	0.05	1.07	1.10	192	SA1	-0.58	0.05	1.04	1.06
36	MC	-1.13	0.06	0.97	0.95	193	SA1	-0.38	0.05	1.02	1.03
37	MC	1.19	0.05	1.15	1.25	202	SA3	1.13	0.03	0.81	0.74
38	MC	0.80	0.05	1.04	1.07	203	SA3	1.53	0.03	0.83	0.65
39	MC	1.03	0.05	1.05	1.11	204	SA1	-0.34	0.05	1.05	1.06
40	MC	0.43	0.05	0.98	0.98	212	SA3	0.49	0.02	0.78	0.74
41	MC	0.48	0.05	0.97	0.98	213	SA3	0.88	0.02	0.77	0.69
42	MC	-0.23	0.05	1.00	0.98	214	SA3	1.05	0.02	0.78	0.68
43	MC	1.21	0.05	1.09	1.15	215	SA1	-0.38	0.05	1.03	1.05
44	MC	0.64	0.05	0.97	0.98	216	SA1	-0.24	0.05	1.01	1.01
45	MC	0.72	0.05	1.00	1.02	224	SA3	0.59	0.02	0.87	0.84
46	MC	-0.82	0.05	0.98	0.96	225	SA3	1.23	0.03	0.86	0.74
47	MC	-3.46	0.14	0.98	0.88	226	SA1	-0.22	0.05	1.11	1.13
48	MC	-0.42	0.05	0.88	0.83	234	SA3	0.86	0.02	0.84	0.76
49	MC	0.68	0.05	0.98	0.99	235	SA3	-0.63	0.02	0.85	0.77
50	MC	0.47	0.05	0.96	0.96	236	SA3	1.05	0.03	0.75	0.61
51	MC	-0.60	0.05	0.84	0.77						

**Table 6.47: IRT Statistics for Items in Writing on Stage II**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
84	MC	0.25	0.02	1.04	1.05	110	MC	0.11	0.05	0.96	0.95
85	MC	0.64	0.02	1.05	1.07	111	MC	0.60	0.05	1.01	1.02
86	MC	-0.35	0.05	0.91	0.88	112	MC	-0.58	0.05	0.90	0.84
87	MC	1.20	0.05	1.07	1.13	113	MC	0.03	0.05	0.90	0.89
88	MC	1.07	0.05	1.08	1.15	114	MC	0.22	0.05	1.02	1.02
89	MC	0.69	0.05	1.03	1.05	115	MC	0.12	0.05	1.01	1.01
90	MC	0.13	0.05	0.97	0.96	116	MC	-0.71	0.05	0.90	0.82
91	MC	0.03	0.05	0.95	0.94	117	MC	0.31	0.05	1.03	1.03
92	MC	-0.40	0.05	0.90	0.85	118	MC	0.18	0.05	1.07	1.08
93	MC	1.23	0.05	1.21	1.32	119	MC	0.53	0.05	1.06	1.08
94	MC	0.33	0.05	0.89	0.88	120	MC	0.35	0.05	0.93	0.94
95	MC	0.63	0.05	1.03	1.05	121	MC	-0.39	0.05	1.04	1.04
96	MC	0.97	0.05	1.11	1.17	122	MC	-0.48	0.05	0.93	0.88
97	MC	0.70	0.05	1.08	1.1	123	MC	-0.80	0.05	0.97	0.95
98	MC	1.25	0.05	1.17	1.28	124	MC	-0.20	0.05	0.94	0.92
99	MC	0.80	0.05	1.02	1.02	125	MC	0.85	0.05	0.95	0.96
100	MC	0.47	0.05	1.05	1.08	126	ER	0.88	0.01	0.79	0.79
101	MC	-0.79	0.05	0.89	0.81	127	ER	0.78	0.02	0.80	0.80
102	MC	-0.41	0.05	0.89	0.84	128	ER	1.07	0.03	0.81	0.80
103	MC	0.34	0.05	0.88	0.87	129	ER	1.23	0.03	0.79	0.79
104	MC	0.75	0.05	0.95	0.97	130	ER	0.88	0.03	0.76	0.75
105	MC	0.69	0.05	1.04	1.05	131	ER	0.69	0.03	0.79	0.79
106	MC	-0.15	0.05	1.03	1.04	132	ER	0.88	0.03	0.80	0.80
107	MC	0.41	0.05	1.03	1.05	133	ER	0.89	0.03	0.80	0.79
108	MC	0.49	0.05	1.02	1.03	134	ER	0.87	0.03	0.75	0.74
109	MC	-0.59	0.05	0.95	0.91						

**Table 6.48: IRT Statistics for Items in Listening on Stage II**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
135	MC	-2.00	0.04	0.99	1.00	162	MC	-1.94	0.07	0.94	0.80
136	MC	-0.98	0.05	1.06	1.16	163	MC	-1.87	0.07	1.02	1.14
137	MC	1.50	0.05	1.05	1.10	164	MC	1.62	0.06	1.05	1.13
138	MC	1.01	0.05	1.05	1.07	165	MC	1.15	0.05	1.06	1.08
139	MC	0.48	0.05	1.06	1.06	166	MC	0.15	0.05	1.07	1.08
140	MC	0.40	0.05	1.02	1.02	167	MC	-2.97	0.11	0.96	0.71
141	MC	-2.99	0.11	0.95	0.71	168	MC	-0.93	0.05	0.95	0.92
142	MC	-0.42	0.02	1.01	1.01	169	MC	-1.36	0.06	0.96	0.93
143	MC	-2.01	0.07	0.96	0.89	170	MC	-0.94	0.05	0.93	0.86
144	MC	-2.96	0.11	0.97	0.79	171	MC	-1.00	0.05	0.97	0.92
145	MC	-1.59	0.06	0.94	0.85	172	MC	0.08	0.05	1.09	1.11
146	MC	-0.86	0.05	1.03	1.09	173	MC	0.05	0.05	1.06	1.07
147	MC	-0.45	0.05	1.09	1.14	174	MC	-1.35	0.06	0.95	0.88
148	MC	-0.50	0.05	1.06	1.08	175	MC	-1.54	0.06	0.93	0.83
149	MC	-1.18	0.06	0.93	0.90	176	MC	-1.52	0.06	0.99	1.03
150	MC	-0.43	0.05	1.06	1.10	177	MC	0.85	0.05	1.05	1.08
151	MC	1.70	0.05	1.03	1.09	178	MC	0.54	0.05	1.12	1.15
152	MC	0.74	0.05	1.13	1.18	179	MC	0.40	0.05	1.08	1.09
153	MC	1.12	0.05	1.07	1.12	180	MC	-2.46	0.08	0.94	0.72
154	MC	0.53	0.05	1.12	1.14	181	MC	-1.26	0.06	1.03	1.09
155	MC	-1.15	0.06	1.06	1.23	182	MC	-0.48	0.05	1.03	1.03
156	MC	-2.59	0.09	0.95	0.71	183	MC	-0.85	0.05	0.98	0.98
157	MC	-1.96	0.07	0.93	0.78	184	MC	-1.35	0.06	1.01	1.07
158	MC	-1.55	0.06	0.96	0.91	185	MC	0.98	0.05	0.99	1.02
159	MC	-0.55	0.05	0.96	0.94	186	MC	-2.25	0.08	0.99	0.95
160	MC	-1.75	0.07	0.95	0.85	187	MC	-1.59	0.06	0.93	0.86
161	MC	-1.90	0.07	0.93	0.75	188	MC	-2.31	0.08	0.94	0.78

**Table 6.49: IRT Statistics for Items in Speaking on Stage II**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
190	SA4	0.55	0.01	1.26	1.26	211	SA4	0.33	0.02	1.15	1.15
194	SA4	1.59	0.01	1.04	1.23	217	SA4	1.56	0.03	1.07	1.10
195	SA4	-0.26	0.02	1.03	1.12	218	SA4	-0.17	0.02	1.10	1.14
196	SA4	1.62	0.03	1.09	1.25	219	SA4	0.29	0.02	1.13	1.14
197	SA4	0.47	0.02	1.11	1.10	220	SA2	0.94	0.03	0.97	0.92
198	SA4	0.03	0.02	1.00	1.01	221	SA2	1.18	0.03	0.94	0.89
199	SA2	1.67	0.04	1.00	0.98	222	SA4	0.71	0.03	1.13	1.13
200	SA4	0.68	0.03	1.14	1.14	223	SA4	0.57	0.03	1.18	1.23
201	SA4	-0.01	0.02	1.15	1.19	227	SA4	1.51	0.03	1.07	1.12
205	SA4	1.61	0.03	0.98	1.10	228	SA4	-0.13	0.02	1.04	1.09
206	SA4	0.06	0.02	1.06	1.11	229	SA4	-0.09	0.02	1.09	1.18
207	SA2	1.47	0.03	0.98	0.94	230	SA2	1.68	0.04	0.96	1.04
208	SA2	1.38	0.03	0.95	0.94	231	SA4	0.63	0.03	1.09	1.10
209	SA4	0.84	0.03	1.08	1.10	232	SA4	0.81	0.03	1.24	1.24
210	SA4	0.84	0.03	1.09	1.12	233	SA4	0.38	0.02	1.26	1.28

**Table 6.50: IRT Statistics for Items in Reading on Stage III**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
1	MC	-1.06	0.03	0.90	0.83	60	MC	0.74	0.05	0.97	0.99
2	MC	0.50	0.03	1.00	1.02	61	MC	0.69	0.05	1.00	1.03
3	MC	-1.04	0.03	0.87	0.79	62	MC	0.23	0.05	1.12	1.14
4	MC	0.43	0.03	1.02	1.04	63	MC	0.64	0.05	1.00	1.05
5	MC	0.07	0.03	0.94	0.94	64	MC	0.04	0.05	0.91	0.90
6	MC	1.16	0.03	1.12	1.22	65	MC	1.10	0.06	1.03	1.11
7	MC	0.70	0.03	0.99	1.02	66	MC	-0.17	0.05	0.96	0.95
8	MC	-1.47	0.07	1.01	0.99	67	MC	0.54	0.05	1.04	1.07
9	MC	-0.91	0.06	0.90	0.82	68	MC	0.28	0.05	0.91	0.90
10	MC	0.18	0.05	0.97	0.97	69	MC	0.13	0.05	0.91	0.90
11	MC	-0.03	0.05	1.03	1.04	70	MC	1.03	0.06	1.06	1.19
12	MC	1.02	0.06	1.06	1.10	71	MC	1.00	0.06	1.00	1.05
13	MC	-1.07	0.06	0.90	0.81	72	MC	1.12	0.06	1.04	1.13
14	MC	0.24	0.05	0.90	0.89	73	MC	1.11	0.06	1.09	1.19
15	MC	-0.57	0.05	0.89	0.84	74	MC	0.84	0.05	1.17	1.30
16	MC	-0.37	0.05	0.93	0.91	75	MC	0.85	0.05	1.08	1.13
17	MC	1.96	0.07	1.12	1.42	76	MC	0.55	0.05	1.01	1.04
18	MC	0.78	0.05	1.10	1.20	77	MC	-2.39	0.08	0.95	0.88
19	MC	1.23	0.06	1.11	1.25	78	MC	-0.80	0.06	0.92	0.88
20	MC	-0.11	0.05	0.92	0.90	79	MC	-0.70	0.05	0.88	0.84
21	MC	1.28	0.06	1.10	1.24	80	MC	-0.35	0.05	1.00	1.01
22	MC	0.55	0.05	0.95	0.97	81	MC	-0.06	0.05	1.06	1.08
23	MC	0.83	0.05	1.04	1.12	82	MC	0.35	0.05	0.93	0.93
24	MC	0.49	0.05	0.95	0.96	83	MC	-0.74	0.05	0.89	0.85
25	MC	0.39	0.05	0.98	0.99	84	MC	-1.12	0.06	0.89	0.81
26	MC	0.81	0.05	0.96	0.99	85	MC	-0.72	0.05	0.98	0.97
27	MC	0.75	0.05	0.96	0.99	86	MC	0.80	0.06	1.10	1.16
28	MC	0.42	0.05	1.01	1.02	87	MC	0.28	0.05	1.00	1.02
29	MC	0.86	0.05	0.96	0.97	88	MC	0.12	0.05	0.92	0.91
30	MC	0.94	0.05	1.16	1.27	89	MC	0.34	0.05	1.00	1.01
31	MC	-1.92	0.07	0.97	0.93	90	MC	0.25	0.05	0.95	0.95
32	MC	-1.02	0.06	0.90	0.81	91	MC	1.71	0.07	1.10	1.38
33	MC	-0.46	0.05	1.02	1.02	92	MC	0.93	0.06	1.19	1.32
34	MC	-0.30	0.05	1.00	1.00	93	MC	0.98	0.06	1.06	1.15
35	MC	0.81	0.05	1.02	1.04	94	MC	0.25	0.05	1.00	1.02
36	MC	-0.86	0.06	0.86	0.78	95	MC	0.98	0.06	1.11	1.23
37	MC	1.26	0.06	1.05	1.16	96	MC	1.24	0.06	1.09	1.29
38	MC	2.13	0.07	1.14	1.67	97	MC	1.23	0.06	1.10	1.20
39	MC	0.61	0.05	0.97	0.99	98	MC	0.92	0.06	1.10	1.18
40	MC	-0.48	0.05	0.93	0.90	99	MC	0.65	0.05	1.01	1.04
41	MC	1.94	0.07	1.13	1.61	100	SA1	-0.83	0.03	0.99	1.01
42	MC	-0.10	0.05	0.99	1.00	101	SA1	1.57	0.03	0.96	0.88
43	MC	0.81	0.05	1.02	1.12	102	SA1	-0.83	0.06	0.98	0.97
44	MC	-0.03	0.05	0.96	0.96	103	SA1	0.79	0.05	1.05	1.04
45	MC	0.01	0.05	0.92	0.90	104	SA1	1.29	0.06	0.94	0.88
46	MC	0.32	0.05	0.97	0.97	105	SA1	2.06	0.07	0.96	0.86
47	MC	0.79	0.05	1.03	1.09	106	SA1	1.64	0.06	1.06	1.11
48	MC	0.48	0.05	1.02	1.07	107	SA1	3.22	0.11	1.05	1.34
49	MC	0.64	0.05	1.05	1.13	108	SA1	1.81	0.07	0.94	0.84
50	MC	-0.40	0.05	0.93	0.90	109	SA1	2.37	0.08	0.99	0.94
51	MC	0.98	0.05	1.09	1.21	110	SA1	1.33	0.06	1.09	1.13
52	MC	0.72	0.05	1.00	1.05	111	SA1	0.27	0.05	1.04	1.05
53	MC	1.15	0.06	1.11	1.24	112	SA1	0.36	0.05	0.88	0.85
54	MC	-1.12	0.06	0.99	1.00	113	SA1	1.38	0.06	0.96	0.91
55	MC	0.13	0.05	1.02	1.02	114	SA1	0.30	0.05	1.00	0.99
56	MC	-0.49	0.05	0.91	0.88	115	SA1	0.55	0.05	1.09	1.11
57	MC	-0.50	0.05	1.03	1.04	116	SA1	1.37	0.06	0.95	0.88
58	MC	0.03	0.05	0.96	0.95	117	SA1	1.30	0.06	0.95	0.89

**Table 6.50: IRT Statistics for Items in Reading on Stage III**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
59	MC	-0.72	0.05	0.90	0.86						

**Table 6.51: IRT Statistics for Items in Writing on Stage III**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
118	MC	-0.89	0.03	0.97	0.97	144	MC	-0.85	0.06	0.95	0.91
119	MC	-0.17	0.03	0.92	0.91	145	MC	1.03	0.06	1.08	1.15
120	MC	0.65	0.05	1.02	1.06	146	MC	-0.45	0.05	0.93	0.91
121	MC	0.89	0.05	1.11	1.17	147	MC	0.30	0.05	1.02	1.04
122	MC	-0.47	0.05	0.95	0.92	148	MC	-0.84	0.06	0.89	0.85
123	MC	0.81	0.05	1.04	1.06	149	MC	0.16	0.05	0.96	0.97
124	MC	-1.60	0.07	0.97	0.92	150	MC	-0.92	0.06	0.99	0.98
125	MC	-0.91	0.06	0.93	0.90	151	MC	1.38	0.06	1.14	1.42
126	MC	0.61	0.05	1.01	1.04	152	MC	-0.19	0.05	0.97	0.98
127	MC	-0.07	0.05	0.91	0.90	153	MC	0.24	0.05	1.04	1.06
128	MC	-0.20	0.05	0.97	0.96	154	MC	0.19	0.05	1.05	1.07
129	MC	-1.54	0.07	0.91	0.82	155	MC	-0.64	0.05	0.98	0.97
130	MC	-1.90	0.07	0.93	0.79	156	MC	-1.42	0.06	0.87	0.77
131	MC	-0.32	0.05	1.03	1.04	157	MC	-0.97	0.06	0.91	0.84
132	MC	-0.11	0.05	0.94	0.93	158	MC	-0.82	0.06	0.94	0.91
133	MC	0.31	0.05	1.04	1.09	159	MC	-0.29	0.05	1.07	1.08
134	MC	0.83	0.05	0.98	1.02	160	ER	0.45	0.02	0.91	0.93
135	MC	-0.09	0.05	0.96	0.96	161	ER	-0.04	0.04	0.88	0.87
136	MC	-1.47	0.06	0.90	0.78	162	ER	1.11	0.04	0.92	0.93
137	MC	-1.33	0.06	0.92	0.85	163	ER	0.65	0.04	0.82	0.81
138	MC	0.09	0.05	0.97	0.97	164	ER	0.38	0.03	0.84	0.85
139	MC	-0.85	0.06	0.91	0.86	165	ER	0.66	0.03	0.95	0.94
140	MC	-1.86	0.07	0.91	0.74	166	ER	0.24	0.03	0.86	0.84
141	MC	0.14	0.05	1.08	1.10	167	ER	0.56	0.03	0.96	1.02
142	MC	0.16	0.05	0.98	0.98	168	ER	0.37	0.04	0.86	0.85
143	MC	-0.01	0.05	0.99	1.00						

**Table 6.52: IRT Statistics for Items in Listening on Stage III**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
169	MC	-0.38	0.03	1.03	1.03	189	MC	0.17	0.05	1.04	1.06
170	MC	-1.33	0.03	0.98	0.97	190	MC	-0.91	0.06	1.03	1.04
171	MC	0.27	0.03	0.98	0.98	191	MC	-0.66	0.05	1.05	1.06
172	MC	-2.24	0.08	0.98	0.90	192	MC	-0.51	0.05	1.02	1.02
173	MC	-1.04	0.06	1.01	1.00	193	MC	-1.48	0.06	0.99	1.00
174	MC	-1.79	0.07	0.95	0.91	194	MC	-0.34	0.05	1.06	1.07
175	MC	-2.09	0.08	0.96	0.84	195	MC	-0.71	0.05	1.04	1.07
176	MC	-0.34	0.05	1.04	1.06	196	MC	-1.80	0.07	0.93	0.86
177	MC	-1.64	0.07	0.95	0.87	197	MC	-0.15	0.05	1.05	1.06
178	MC	0.22	0.05	1.12	1.15	198	MC	-0.97	0.06	0.91	0.85
179	MC	-1.18	0.06	0.94	0.89	199	MC	1.00	0.06	1.05	1.09
180	MC	0.39	0.05	0.94	0.96	200	MC	-0.51	0.05	1.01	1.01
181	MC	1.36	0.06	1.11	1.32	201	MC	-2.78	0.10	0.98	0.94
182	MC	-0.70	0.05	1.07	1.07	202	MC	1.58	0.07	1.06	1.24
183	MC	-2.67	0.10	0.98	0.91	203	MC	0.32	0.05	1.16	1.21
184	MC	-0.69	0.05	1.06	1.08	204	MC	-0.11	0.05	0.99	0.99
185	MC	-1.02	0.06	0.96	0.94	205	MC	-0.31	0.05	1.05	1.06
186	MC	0.21	0.05	1.06	1.08	206	MC	-0.16	0.05	1.01	1.01
187	MC	-0.88	0.06	0.92	0.87	207	MC	-0.45	0.05	1.02	1.03
188	MC	-0.84	0.06	0.98	0.96						

**Table 6.53: IRT Statistics for Items in Speaking on Stage III**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
208	SA4	-0.52	0.02	0.95	0.95	225	SA4	0.09	0.03	1.10	1.16
209	SA4	-0.69	0.01	1.10	1.15	226	SA4	-0.96	0.03	1.04	1.04
210	SA4	-1.15	0.03	1.08	1.16	227	SA4	-0.38	0.03	1.02	1.05
211	SA4	-1.01	0.04	0.99	0.98	228	SA4	-0.44	0.03	0.97	0.98
212	SA4	-0.48	0.03	1.03	1.05	229	SA4	-0.46	0.03	0.89	0.90
213	SA4	-0.03	0.03	1.12	1.13	230	SA4	-0.43	0.03	1.11	1.14
214	SA4	-0.38	0.03	1.16	1.21	231	SA4	-0.45	0.03	0.94	0.96
215	SA4	-0.69	0.03	1.04	1.06	232	SA4	0.08	0.03	1.11	1.16
216	SA4	0.14	0.03	1.24	1.28	233	SA4	0.27	0.03	1.14	1.18
217	SA4	0.07	0.03	1.04	1.06	234	SA4	-1.16	0.03	0.99	0.99
218	SA4	-1.05	0.03	1.05	1.05	235	SA4	-0.55	0.03	0.94	0.94
219	SA4	-1.03	0.03	0.97	0.99	236	SA4	-0.53	0.03	0.90	0.90
220	SA4	-0.43	0.03	0.99	1.00	237	SA4	-0.51	0.03	0.86	0.86
221	SA4	-0.48	0.03	0.97	0.98	238	SA4	0.09	0.03	1.11	1.13
222	SA4	-0.32	0.03	1.10	1.15	239	SA4	-0.47	0.04	0.97	0.99
223	SA4	-0.34	0.03	0.99	1.00	240	SA4	0.29	0.03	1.08	1.11
224	SA4	0.39	0.03	1.09	1.09	241	SA4	-0.57	0.04	0.98	1.04

**Table 6.54: IRT Statistics for Items in Reading on Stage IV**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
1	MC	-1.76	0.04	0.94	0.86	50	MC	0.13	0.06	1.01	1.02
2	MC	0.63	0.03	1.06	1.12	51	MC	-0.86	0.07	0.91	0.87
3	MC	1.53	0.04	1.05	1.20	52	MC	-1.95	0.09	0.97	0.85
4	MC	0.43	0.03	1.09	1.13	53	MC	-0.57	0.06	0.97	0.95
5	MC	0.01	0.03	0.98	0.99	54	MC	0.35	0.06	0.97	0.97
6	MC	0.46	0.03	1.01	1.04	55	MC	0.21	0.06	0.96	0.96
7	MC	1.09	0.04	1.04	1.14	56	MC	1.37	0.07	1.12	1.34
8	MC	-1.48	0.08	1.00	0.98	57	MC	0.82	0.07	1.06	1.11
9	MC	-0.56	0.07	0.95	0.93	58	MC	0.92	0.07	1.03	1.08
10	MC	-1.07	0.07	0.96	0.93	59	MC	0.18	0.06	1.01	1.03
11	MC	0.67	0.07	1.01	1.03	60	MC	0.15	0.06	1.00	1.00
12	MC	0.91	0.07	1.04	1.09	61	MC	0.57	0.06	1.04	1.08
13	MC	-0.34	0.07	0.99	0.99	62	MC	0.79	0.07	1.01	1.04
14	MC	0.13	0.07	1.00	1.01	63	MC	1.63	0.08	1.11	1.41
15	MC	0.88	0.07	1.05	1.13	64	MC	0.80	0.07	1.04	1.14
16	MC	-0.04	0.07	1.01	1.03	65	MC	1.24	0.07	1.04	1.14
17	MC	0.51	0.07	1.09	1.14	66	MC	0.77	0.07	1.03	1.08
18	MC	1.00	0.07	1.02	1.07	67	MC	1.50	0.08	1.12	1.39
19	MC	1.06	0.07	1.06	1.11	68	MC	0.92	0.07	0.99	1.02
20	MC	1.29	0.08	1.07	1.15	69	MC	0.69	0.07	1.01	1.06
21	MC	1.00	0.07	1.04	1.12	70	MC	1.28	0.07	1.09	1.24
22	MC	0.69	0.07	1.02	1.06	71	MC	0.06	0.06	0.98	0.99
23	MC	0.29	0.07	0.97	0.98	72	MC	-0.34	0.06	0.95	0.94
24	MC	0.81	0.07	1.03	1.07	73	MC	-1.49	0.08	0.88	0.79
25	MC	1.12	0.08	1.07	1.20	74	MC	-1.79	0.08	0.93	0.83
26	MC	0.80	0.07	1.04	1.09	75	MC	0.40	0.07	1.00	1.04
27	MC	1.10	0.07	1.08	1.16	76	MC	-0.58	0.07	1.05	1.05
28	MC	1.05	0.07	1.08	1.17	77	MC	0.55	0.07	1.04	1.09
29	MC	-1.52	0.08	0.96	0.89	78	MC	-0.17	0.06	1.07	1.08
30	MC	-1.24	0.07	0.90	0.83	79	MC	0.65	0.07	0.99	1.02
31	MC	-1.85	0.09	0.91	0.78	80	MC	-0.12	0.06	0.94	0.93
32	MC	0.91	0.07	1.05	1.07	81	MC	0.83	0.07	1.03	1.08
33	MC	0.38	0.06	0.99	1.00	82	MC	0.50	0.07	1.05	1.06
34	MC	1.11	0.07	1.06	1.14	83	MC	0.33	0.07	1.07	1.11
35	MC	0.17	0.06	0.97	0.98	84	MC	1.24	0.08	1.02	1.06
36	MC	-0.29	0.06	0.96	0.95	85	MC	1.10	0.07	1.10	1.25
37	MC	0.31	0.06	0.97	0.96	86	MC	0.74	0.07	1.01	1.04
38	MC	0.49	0.07	1.00	1.01	87	MC	0.99	0.07	1.06	1.14
39	MC	1.00	0.07	1.07	1.15	88	MC	1.02	0.07	1.01	1.04
40	MC	1.04	0.07	1.07	1.16	89	MC	0.78	0.07	1.03	1.08
41	MC	1.87	0.09	1.02	1.12	90	MC	0.93	0.07	1.03	1.08
42	MC	0.99	0.07	1.05	1.13	91	MC	1.13	0.07	1.04	1.08
43	MC	0.75	0.07	1.05	1.09	92	SA1	0.93	0.05	0.96	0.91
44	MC	0.42	0.07	0.95	0.95	93	SA1	1.13	0.08	0.99	0.95
45	MC	-0.23	0.06	0.93	0.92	94	SA1	1.28	0.05	0.98	0.93
46	MC	0.84	0.07	1.02	1.03	95	SA1	1.57	0.08	0.99	0.96
47	MC	0.23	0.06	0.93	0.92	96	SA1	2.07	0.09	1.01	0.99
48	MC	0.37	0.06	1.02	1.02	97	SA1	1.72	0.09	0.97	0.88
49	MC	-0.14	0.06	0.92	0.92						

**Table 6.55: IRT Statistics for Items in Writing on Stage IV**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
98	MC	-0.92	0.03	1.02	1.03	134	MC	-0.33	0.06	1.01	1.00
99	MC	-1.56	0.04	0.97	0.93	135	MC	0.28	0.06	1.06	1.07
100	MC	0.30	0.03	1.05	1.06	136	MC	-0.92	0.07	0.91	0.87
101	MC	-2.61	0.12	0.93	0.76	137	MC	0.40	0.06	0.97	0.99
102	MC	-1.62	0.08	0.97	0.96	138	MC	0.18	0.06	0.94	0.93
103	MC	0.32	0.07	0.99	1.00	139	MC	-0.41	0.06	0.95	0.94
104	MC	0.15	0.07	1.00	1.00	140	MC	0.42	0.06	1.03	1.06
105	MC	-2.00	0.09	1.00	0.94	141	MC	0.80	0.07	1.00	1.03
106	MC	0.30	0.07	0.96	0.96	142	MC	1.51	0.08	1.01	1.12
107	MC	0.37	0.07	1.02	1.03	143	MC	-0.01	0.06	1.01	1.02
108	MC	-1.48	0.08	0.92	0.87	144	MC	0.17	0.06	1.06	1.08
109	MC	0.73	0.07	1.03	1.09	145	MC	-0.66	0.07	0.92	0.89
110	MC	-0.62	0.07	0.99	0.98	146	MC	-0.11	0.06	1.05	1.07
111	MC	0.06	0.07	0.97	0.96	147	MC	0.78	0.07	1.09	1.19
112	MC	-0.58	0.07	0.93	0.90	148	MC	-0.52	0.07	0.95	0.95
113	MC	0.76	0.07	1.04	1.12	149	MC	-2.18	0.10	0.96	0.84
114	MC	-0.18	0.07	1.01	1.01	150	MC	0.56	0.07	0.99	1.02
115	MC	1.44	0.08	1.10	1.27	151	MC	-0.80	0.07	0.94	0.91
116	MC	-0.43	0.07	1.04	1.06	152	MC	1.50	0.08	1.07	1.27
117	MC	-0.65	0.07	1.05	1.06	153	MC	-1.21	0.07	0.94	0.91
118	MC	0.48	0.07	0.97	0.97	154	MC	-0.65	0.07	0.94	0.93
119	MC	0.88	0.07	1.04	1.10	155	MC	-1.91	0.09	0.94	0.86
120	MC	-0.81	0.07	1.00	0.99	156	MC	1.05	0.07	1.04	1.11
121	MC	-0.11	0.06	1.01	1.01	157	MC	-0.63	0.07	0.93	0.92
122	MC	-1.39	0.08	0.94	0.88	158	MC	-0.16	0.06	1.00	1.01
123	MC	-1.17	0.07	0.88	0.83	159	MC	0.64	0.07	1.09	1.17
124	MC	0.25	0.06	0.98	0.99	160	MC	0.97	0.07	1.09	1.19
125	MC	0.64	0.07	1.04	1.06	161	ER	0.99	0.02	0.95	1.06
126	MC	-0.91	0.07	0.92	0.89	162	ER	0.00	0.04	0.86	0.88
127	MC	0.02	0.06	1.02	1.03	163	ER	0.22	0.04	0.83	0.84
128	MC	0.45	0.07	0.96	0.96	164	ER	0.11	0.04	0.79	0.75
129	MC	1.15	0.07	0.98	0.99	165	ER	0.38	0.04	0.87	0.87
130	MC	-0.25	0.06	0.96	0.95	166	ER	0.84	0.04	0.79	0.77
131	MC	-1.78	0.08	0.97	0.93	167	ER	0.08	0.04	0.78	0.75
132	MC	0.09	0.06	1.09	1.13	168	ER	0.98	0.04	0.98	0.97
133	MC	-0.99	0.07	1.02	1.01	169	ER	0.45	0.04	0.90	0.94



**Table 6.56: IRT Statistics for Items in Listening on Stage IV**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
170	MC	-0.85	0.03	1.01	1.00	193	MC	-0.65	0.07	1.00	0.99
171	MC	-0.51	0.03	0.97	0.97	194	MC	-2.71	0.12	0.90	0.70
172	MC	-2.24	0.10	0.98	0.99	195	MC	-0.37	0.06	0.97	0.96
173	MC	-0.54	0.07	1.07	1.08	196	MC	-1.34	0.08	0.88	0.82
174	MC	-1.30	0.08	1.00	1.00	197	MC	0.32	0.06	1.09	1.10
175	MC	1.57	0.08	1.03	1.12	198	MC	-1.32	0.07	1.00	0.98
176	MC	-0.72	0.07	1.00	1.00	199	MC	0.41	0.06	1.01	1.02
177	MC	-0.94	0.07	0.93	0.92	200	MC	0.49	0.06	1.02	1.05
178	MC	-1.57	0.08	0.95	0.92	201	MC	0.39	0.06	0.97	0.98
179	MC	-0.39	0.07	0.99	0.99	202	MC	-2.21	0.10	0.88	0.71
180	MC	-2.14	0.10	0.95	0.86	203	MC	-1.31	0.07	0.99	0.96
181	MC	-0.66	0.07	0.98	0.98	204	MC	-1.07	0.07	1.01	1.02
182	MC	-0.91	0.07	1.01	1.01	205	MC	-1.27	0.07	0.96	0.94
183	MC	-1.49	0.08	0.98	0.96	206	MC	0.04	0.06	1.02	1.02
184	MC	1.33	0.08	1.08	1.25	207	MC	-0.70	0.07	0.94	0.93
185	MC	0.25	0.06	1.01	1.02	208	MC	0.76	0.07	1.09	1.16
186	MC	0.33	0.06	1.06	1.09	209	MC	-1.51	0.08	0.95	0.90
187	MC	0.06	0.06	1.02	1.03	210	MC	-0.21	0.06	0.98	0.97
188	MC	-0.03	0.06	0.98	0.99	211	MC	-3.16	0.14	0.91	0.62
189	MC	-0.64	0.07	0.93	0.91	212	MC	-1.03	0.07	1.01	1.02
190	MC	0.24	0.06	1.03	1.05	213	MC	0.61	0.07	1.04	1.06
191	MC	-0.22	0.06	1.03	1.05	214	MC	-1.68	0.08	0.90	0.80
192	MC	-1.33	0.08	0.97	0.92	215	MC	-2.00	0.09	1.01	1.01

**Table 6.57: IRT Statistics for Items in Speaking on Stage IV**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
216	SA4	-0.07	0.02	0.93	0.94	231	SA4	-0.15	0.03	1.02	1.02
217	SA4	-0.23	0.03	1.00	1.00	232	SA4	-0.01	0.03	0.93	0.94
218	SA4	-0.23	0.04	0.88	0.89	233	SA4	0.36	0.01	1.07	1.05
219	SA4	0.05	0.03	0.98	0.96	234	SA4	0.17	0.03	0.96	0.94
220	SA4	0.18	0.03	0.90	0.90	235	SA4	0.50	0.03	1.00	0.98
221	SA4	-1.04	0.04	0.98	0.99	236	SA4	-0.22	0.03	0.92	0.91
222	SA4	0.24	0.04	1.01	1.03	237	SA4	-0.24	0.04	0.85	0.84
223	SA4	-0.78	0.04	0.94	0.95	238	SA4	0.39	0.03	1.10	1.11
224	SA4	-0.08	0.03	1.01	1.00	239	SA4	-0.25	0.03	1.19	1.23
225	SA4	-1.00	0.04	0.88	0.89	240	SA4	-0.26	0.03	0.91	0.90
226	SA4	0.02	0.04	0.97	0.97	241	SA4	-0.51	0.03	0.91	0.91
227	SA4	0.09	0.03	0.82	0.83	242	SA4	-0.25	0.03	1.03	1.07
228	SA4	0.17	0.03	1.04	1.03	243	SA4	-0.11	0.03	0.86	0.84
229	SA4	0.30	0.03	0.94	0.92	244	SA4	0.28	0.03	0.95	0.95
230	SA4	-0.20	0.03	0.88	0.87	245	SA4	-0.23	0.03	0.96	1.01

**Table 6.58: IRT Statistics for Items in Reading on Stage V**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
1	MC	-1.47	0.05	0.91	0.81	51	MC	0.78	0.08	1.03	1.07
2	MC	0.91	0.04	1.05	1.11	52	MC	1.08	0.08	1.06	1.13
3	MC	-0.10	0.04	1.02	1.03	53	MC	0.90	0.08	1.15	1.36
4	MC	0.54	0.04	1.05	1.10	54	MC	-1.13	0.09	0.94	0.86
5	MC	0.74	0.04	1.04	1.09	55	MC	-0.31	0.08	0.94	0.95
6	MC	-0.05	0.04	0.93	0.92	56	MC	-2.29	0.13	0.98	0.94
7	MC	0.94	0.04	1.03	1.09	57	MC	0.45	0.08	1.01	1.03
8	MC	-0.92	0.08	1.00	0.98	58	MC	-0.97	0.09	0.93	0.88
9	MC	-0.65	0.07	0.91	0.86	59	MC	0.36	0.07	1.00	1.02
10	MC	-1.95	0.10	0.94	0.81	60	MC	-0.24	0.08	0.98	0.97
11	MC	1.69	0.08	1.06	1.23	61	MC	0.07	0.08	0.91	0.90
12	MC	-0.43	0.07	1.01	0.99	62	MC	-0.36	0.08	0.95	0.93
13	MC	-0.56	0.07	0.94	0.89	63	MC	-0.13	0.08	0.94	0.93
14	MC	-0.08	0.07	0.98	0.96	64	MC	0.55	0.08	0.97	1.00
15	MC	0.71	0.07	0.94	0.93	65	MC	0.15	0.07	0.99	0.99
16	MC	0.32	0.07	0.96	0.96	66	MC	-0.52	0.08	0.94	0.90
17	MC	1.05	0.07	1.03	1.08	67	MC	0.30	0.07	1.08	1.10
18	MC	0.54	0.07	0.99	1.00	68	MC	0.82	0.08	1.03	1.08
19	MC	-0.21	0.07	1.00	0.98	69	MC	0.66	0.08	1.06	1.12
20	MC	-0.91	0.08	0.92	0.85	70	MC	0.63	0.08	1.13	1.19
21	MC	1.15	0.07	1.08	1.18	71	MC	0.20	0.07	0.98	0.97
22	MC	0.08	0.07	1.04	1.04	72	MC	0.33	0.07	1.01	1.01
23	MC	0.50	0.07	1.01	1.02	73	MC	1.02	0.08	1.03	1.13
24	MC	0.00	0.07	1.00	0.99	74	MC	0.94	0.08	1.05	1.09
25	MC	1.09	0.07	1.09	1.18	75	MC	0.49	0.08	1.09	1.12
26	MC	0.95	0.07	1.02	1.06	76	MC	0.53	0.08	1.00	1.04
27	MC	1.15	0.07	1.07	1.21	77	MC	-0.77	0.08	0.98	0.92
28	MC	1.05	0.07	1.03	1.11	78	MC	-1.33	0.09	0.87	0.77
29	MC	1.71	0.08	1.07	1.22	79	MC	-1.95	0.11	0.96	0.79
30	MC	1.03	0.07	1.08	1.17	80	MC	1.96	0.10	1.06	1.39
31	MC	-0.13	0.07	1.10	1.13	81	MC	-0.63	0.08	1.05	1.02
32	MC	0.45	0.07	1.15	1.21	82	MC	0.89	0.08	1.06	1.15
33	MC	-2.36	0.12	0.95	0.89	83	MC	0.94	0.08	1.04	1.20
34	MC	-0.61	0.08	0.94	0.91	84	MC	0.36	0.08	0.97	0.99
35	MC	-0.82	0.08	0.92	0.88	85	MC	0.23	0.08	1.10	1.13
36	MC	0.34	0.07	0.94	0.94	86	MC	0.46	0.08	0.98	0.99
37	MC	-0.60	0.08	0.90	0.87	87	MC	-0.16	0.08	1.13	1.16
38	MC	1.22	0.08	1.07	1.19	88	MC	-0.11	0.08	0.94	0.93
39	MC	-0.57	0.08	0.99	0.97	89	MC	-0.23	0.08	1.01	1.00
40	MC	-1.14	0.08	0.92	0.85	90	MC	-0.55	0.08	1.00	0.97
41	MC	0.02	0.07	1.00	1.00	91	MC	0.55	0.08	1.01	1.03
42	MC	0.06	0.07	1.05	1.07	92	MC	0.52	0.08	0.98	0.97
43	MC	0.42	0.07	0.97	0.97	93	MC	1.13	0.08	1.01	1.06
44	MC	-0.32	0.07	1.02	1.02	94	MC	1.04	0.08	1.01	1.04
45	MC	-0.52	0.08	0.95	0.92	95	MC	0.21	0.08	0.98	0.99
46	MC	-0.28	0.07	1.00	0.99	96	MC	1.01	0.08	1.05	1.13
47	MC	0.94	0.08	1.03	1.12	97	MC	0.98	0.08	1.02	1.10
48	MC	1.38	0.08	1.00	1.18	98	MC	1.13	0.08	1.10	1.24
49	MC	0.36	0.07	1.01	1.01	99	MC	0.91	0.08	0.97	0.96
50	MC	0.65	0.08	0.97	0.99						

**Table 6.59: IRT Statistics for Items in Writing on Stage V**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
100	MC	-0.72	0.04	0.98	0.96	142	MC	1.11	0.08	1.01	1.02
101	MC	-2.30	0.06	0.99	0.96	143	MC	1.28	0.08	1.07	1.20
102	MC	-0.32	0.07	1.01	1.01	144	MC	-0.91	0.08	0.96	0.94
103	MC	0.87	0.07	1.08	1.12	145	MC	-1.71	0.10	0.91	0.80
104	MC	-1.50	0.09	1.06	1.08	146	MC	-1.54	0.10	0.97	0.95
105	MC	-0.50	0.07	1.09	1.13	147	MC	-1.18	0.09	0.93	0.84
106	MC	0.22	0.07	0.94	0.93	148	MC	2.07	0.10	1.09	1.45
107	MC	-1.07	0.08	0.98	0.94	149	MC	-0.32	0.08	0.98	0.97
108	MC	-1.58	0.09	0.95	0.89	150	MC	0.80	0.08	1.11	1.16
109	MC	-2.76	0.14	0.97	0.84	151	MC	0.51	0.08	0.98	0.99
110	MC	-1.77	0.10	0.93	0.82	152	MC	-1.06	0.09	0.95	0.89
111	MC	0.14	0.07	0.96	0.96	153	MC	-0.07	0.08	1.07	1.09
112	MC	-0.86	0.08	0.89	0.83	154	MC	0.35	0.07	1.07	1.10
113	MC	0.05	0.07	1.07	1.09	155	MC	0.40	0.08	0.98	1.00
114	MC	0.58	0.07	1.14	1.20	156	MC	0.63	0.08	1.05	1.06
115	MC	-0.06	0.07	1.04	1.03	157	MC	0.75	0.08	1.07	1.11
116	MC	0.43	0.07	1.06	1.08	158	MC	-1.28	0.09	0.99	0.97
117	MC	-0.31	0.07	1.00	0.99	159	MC	1.81	0.10	1.01	1.09
118	MC	-0.22	0.07	0.94	0.93	160	MC	-0.63	0.08	0.90	0.86
119	MC	-0.47	0.07	0.95	0.93	161	MC	-0.42	0.08	0.97	0.95
120	MC	-0.50	0.08	0.94	0.94	162	MC	-0.80	0.08	1.05	1.08
121	MC	-1.08	0.08	0.97	0.97	163	MC	1.57	0.09	1.12	1.37
122	MC	1.75	0.09	1.06	1.38	164	MC	-0.77	0.08	0.92	0.90
123	MC	-1.29	0.09	0.93	0.88	165	MC	0.13	0.08	0.96	0.95
124	MC	1.04	0.08	1.02	1.04	166	MC	-0.23	0.08	0.92	0.90
125	MC	-0.03	0.07	1.07	1.10	167	MC	1.69	0.09	1.03	1.17
126	MC	1.35	0.08	0.99	1.06	168	MC	-0.08	0.08	1.13	1.14
127	MC	0.75	0.08	1.01	1.00	169	MC	1.35	0.08	0.96	1.07
128	MC	-2.15	0.11	0.95	0.75	170	MC	-0.30	0.08	0.92	0.89
129	MC	-0.62	0.08	0.89	0.85	171	MC	-0.83	0.08	0.93	0.88
130	MC	0.03	0.07	0.92	0.90	172	MC	-0.43	0.08	0.88	0.84
131	MC	1.81	0.09	1.00	1.13	173	MC	2.02	0.10	1.10	1.45
132	MC	0.78	0.08	1.03	1.06	174	ER	1.16	0.02	0.89	0.98
133	MC	0.12	0.07	1.04	1.07	175	ER	0.26	0.04	0.86	0.88
134	MC	-1.67	0.10	0.91	0.82	176	ER	0.82	0.04	0.95	1.06
135	MC	1.88	0.10	1.09	1.47	177	ER	0.19	0.04	0.89	0.96
136	MC	0.27	0.07	0.97	0.98	178	ER	0.83	0.04	0.92	1.02
137	MC	0.60	0.07	1.08	1.17	179	ER	0.68	0.05	0.79	0.83
138	MC	2.21	0.11	1.07	1.42	180	ER	0.05	0.04	0.86	0.92
139	MC	1.53	0.09	1.03	1.13	181	ER	0.92	0.05	0.79	0.90
140	MC	-0.18	0.08	1.01	1.01	182	ER	1.14	0.04	0.92	0.95
141	MC	-0.80	0.08	0.96	0.91						

**Table 6.60: IRT Statistics for Items in Listening on Stage V**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
183	MC	-3.34	0.09	0.94	0.65	206	MC	0.86	0.08	1.03	1.06
184	MC	0.90	0.04	1.00	1.06	207	MC	-0.22	0.08	0.95	0.94
185	MC	-1.40	0.09	0.97	0.97	208	MC	-0.88	0.08	0.97	0.95
186	MC	-0.07	0.07	0.99	0.98	209	MC	-0.80	0.08	0.99	0.99
187	MC	-0.43	0.07	0.94	0.92	210	MC	-1.72	0.10	0.87	0.78
188	MC	0.02	0.07	1.00	1.00	211	MC	0.68	0.08	1.03	1.07
189	MC	0.30	0.07	0.96	0.95	212	MC	-0.78	0.08	0.97	0.97
190	MC	-0.27	0.07	1.01	1.01	213	MC	0.52	0.08	1.10	1.12
191	MC	-0.68	0.07	0.90	0.89	214	MC	0.97	0.08	1.05	1.08
192	MC	0.43	0.07	0.98	0.97	215	MC	0.99	0.08	1.08	1.18
193	MC	0.27	0.07	1.01	1.02	216	MC	-1.09	0.09	0.94	0.88
194	MC	-0.30	0.07	0.98	0.98	217	MC	0.39	0.08	1.04	1.06
195	MC	0.05	0.07	1.05	1.06	218	MC	-3.18	0.18	0.93	0.62
196	MC	-1.39	0.09	1.00	0.99	219	MC	-0.53	0.08	1.03	1.03
197	MC	0.12	0.07	1.08	1.10	220	MC	0.46	0.08	1.06	1.08
198	MC	-0.79	0.08	0.97	0.96	221	MC	-1.81	0.11	0.86	0.70
199	MC	-2.55	0.13	0.95	0.84	222	MC	0.27	0.08	0.94	0.94
200	MC	-0.29	0.07	0.95	0.93	223	MC	-1.45	0.10	0.93	0.91
201	MC	-0.50	0.08	0.99	0.99	224	MC	-0.29	0.08	0.99	1.00
202	MC	-0.90	0.08	0.97	0.96	225	MC	-1.33	0.09	1.03	1.10
203	MC	-0.93	0.08	0.93	0.92	226	MC	-1.25	0.09	0.89	0.81
204	MC	-1.41	0.09	0.91	0.87	227	MC	0.75	0.08	1.09	1.15
205	MC	-0.43	0.08	0.96	0.96	228	MC	0.65	0.08	1.14	1.22

**Table 6.61: IRT Statistics for Items in Speaking on Stage V**

Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit	Item	Item Type	Rasch Difficulty	SE	MNSQ Infit	MNSQ Outfit
229	SA4	-0.57	0.02	0.97	1.00	245	SA4	0.42	0.04	0.85	0.84
230	SA4	0.76	0.02	1.08	1.06	246	SA4	0.04	0.04	0.80	0.78
231	SA4	-0.41	0.04	1.05	1.06	247	SA4	0.05	0.04	0.87	0.88
232	SA4	0.07	0.04	0.89	0.89	248	SA4	0.28	0.03	1.12	1.13
233	SA4	0.06	0.03	1.12	1.15	249	SA4	0.08	0.04	1.04	1.11
234	SA4	-0.14	0.04	0.86	0.87	250	SA4	-0.61	0.05	0.86	0.88
235	SA4	-0.27	0.04	1.00	1.02	251	SA4	-0.51	0.04	0.89	0.91
236	SA4	0.03	0.04	0.93	0.93	252	SA4	0.33	0.04	0.92	0.91
237	SA4	-0.42	0.04	0.91	0.92	253	SA4	0.33	0.04	1.00	1.00
238	SA4	0.35	0.04	0.94	0.95	254	SA4	0.03	0.04	0.82	0.80
239	SA4	0.38	0.04	1.04	1.07	255	SA4	-0.05	0.05	0.87	0.85
240	SA4	-0.07	0.04	0.88	0.89	256	SA4	0.61	0.02	1.16	1.13
241	SA4	0.53	0.04	0.95	0.94	257	SA4	-0.20	0.03	0.97	1.03
242	SA4	0.25	0.04	0.97	0.99	258	SA4	0.25	0.03	1.14	1.14
243	SA4	-0.91	0.05	0.95	0.93	259	SA4	0.20	0.04	1.11	1.13
244	SA4	-0.26	0.04	0.85	0.86						

## 6.4 Differential Item Functioning

Because test scores can have many sources of variation, the test publishers' task is to develop assessments that measure the intended abilities and skills without introducing extraneous elements or construct irrelevant variance. When tests measure something other than what they are intended to measure, test scores will reflect these unintended skills and knowledge, as well as what is purportedly assessed by the test. If this occurs, these tests can be called biased (Angoff, 1993; Camilli & Shepard, 1994; Green, 1975; Zumbo, 1999). One of the factors that may render test scores as biased is differing cultural and socioeconomic experiences.

Analysis of Differential Item Functioning (DIF) is a statistical method to detect potential bias of an item. DIF is defined that the probability of getting a correct answer on an item is different from one subgroup of the population to the other subgroup (e.g., male and female), conditioning on an ability that the test is intended to measure. Two types of DIF, namely uniform DIF and non-uniform DIF, are investigated. Uniform DIF means that the probability of getting a correct answer on an item is always higher for one subgroup over the other subgroup, given the ability, across the full range of ability continuum. In other words, the direction of DIF remains the same on the entire ability continuum. On the other hand, non-uniform DIF occurs when the direction of DIF changes at some point of ability continuum. If DIF exists on an item, a committee formed by a group of subject experts look into the item to determine whether it shows bias. To date, many DIF detection methods have been proposed. In the field test analysis, three DIF methods were used.

The Mantel-Haenszel method (Holland & Thayer, 1988; Mantel & Haenszel, 1959) was used to investigate DIF on one point items. The Mantel-Haenszel method is frequently used and efficient in terms of statistical power (Clauser & Mazor, 1998). The Mantel-Haenszel chi-square statistic is computed as

$$MH - \chi^2 = \frac{(\sum_k F_k - \sum_k E(F_k))^2}{\sum_k Var(F_k)},$$

where  $F_k$  is the sum of scores for the focal group at the  $k^{\text{th}}$  level of the matching variable (Zwick, Donoghue, & Grima, 1993). Note that the Mantel-Haenszel statistic is sensitive to  $N$  such that larger sample sizes increase the value of chi-square.

In addition to the Mantel-Haenszel chi-square statistic, the Mantel-Haenszel delta statistic (MH-D DIF) was computed. Educational Testing Service (ETS) first developed the MH-D DIF statistic. To compute the MH-D DIF, the Mantel-Haenszel alpha (the odds ratio) is first computed

$$\alpha_{MH} = \frac{\sum_{k=1}^K N_{r1k} N_{f0k} / N_k}{\sum_{k=1}^K N_{f1k} N_{r0k} / N_k},$$

where  $N_{r1k}$  is the number of correct responses in the reference group at ability level  $k$ ,  $N_{f0k}$  is the number of incorrect responses in the focal group at ability level  $k$ ,  $N_k$  is the total number of responses,  $N_{f1k}$  is the number of correct responses in the focal group at ability level  $k$ , and  $N_{r0k}$

is the number of incorrect responses in the reference group at ability level  $k$ . The *MH-D DIF* is computed as

$$MH-D DIF = -2.35 \ln(\alpha_{MH}).$$

Positive values of *MH-D DIF* indicate items that favor the focal group, whereas negative values of *MH-D DIF* indicate items that favor the reference group.

The Mantel-Haenszel chi-square statistic and the *MH-D DIF* were used in combination to identify the field test items that exhibit strong, weak, or no DIF (Zieky, 1993). The summary of DIF classification criteria is presented in Table 6.62. An alpha level of .01 was used for all Mantel-Haenszel statistics.

**Table 6.62: Differential Item Functioning Flag Categories based on the Mantel-Haenszel Statistics**

Category	Description	Criterion
A	No DIF	Mantel-Haenszel chi-square not significantly different from 0 or $ MH-D DIF  < 1.0$
B	Weak DIF	Significant Mantel-Haenszel chi-square ( $p < .01$ ) and $1.0 \leq  MH-D DIF  < 1.5$
C	Strong DIF	Significant Mantel-Haenszel chi-square ( $p < .01$ ) and $ MH-D DIF  \geq 1.5$

The standardized mean difference (*SMD*; Zwick et al., 1993) is another DIF method applied to one point items as well as multiple point items for the field test data. The *SMD* is an effect size index of DIF. It compares the mean scores of the reference and focal groups for an item, adjusting for the distribution of reference and focal group on the conditioning variable, which for the analyses is the raw score. The *SMD* is computed as

$$SMD = \sum_k P_{F_k} (m_{F_k} - m_{R_k}),$$

Where  $P_{F_k}$  is the proportion of the focal group at the  $k$ th level of the matching variable,  $m_{F_k}$  is the mean score on the item for the focal group at the  $k$ th level of the matching variable, and  $m_{R_k}$  is the mean score on the item for the reference group at the  $k$ th level of the matching variable (Zwick et al., 1993). A negative *SMD* value indicates that an item on which the focal group has a lower mean than the reference group, conditioning on the matching variable. On the other hand, a positive *SMD* value indicates an item on which the reference group has a lower mean than the focal group, conditioning on the matching variable.

**Table 6.63: Differential Item Functioning Flag Categories based on the *SMD* Statistics**

Category	Description	Criterion
A	No DIF	<i>SMD</i> not significantly different from 0 or $ SMD  < 0.17$
B	Weak DIF	Significant <i>SMD</i> ( $p < .01$ ) and $0.17 \leq  SMD  < 0.25$
C	Strong DIF	Significant <i>SMD</i> ( $p < .01$ ) and $ SMD  \geq 0.25$

DIF statistics are summarized by stage and domain in Appendix F in Tables F.1 through F.63. Note that DIF flags for one point items are based on the Mantel-Haenszel statistics while DIF flags for multiple point items are based on the *SMD* statistics.

In addition to the Mantel-Haenszel and *SMD* methods, both uniform and non-uniform DIF were investigated by a logistic regression method. The following logistic regression model was used to investigate non-uniform DIF for dichotomously scored items (Paek, 2012; Swaminathan & Rogers, 1990),

$$\ln \left[ \frac{p_i}{(1-p_i)} \right] = \alpha^{NUni} + \beta_0^{NUni}x + \beta_1^{NUni}G + \beta_2^{NUni}xG,$$

where  $p$  is a probability of getting item  $i$  correctly,  $\alpha^{NUni}$  is an intercept,  $\beta_0^{NUni}$  captures an impact,  $x$  is the total combined raw score,  $\beta_1^{NUni}$  is a main effect on group,  $G$ , and  $\beta_2^{NUni}$  is an interaction effect between the total combined raw score and group to capture non-uniform DIF. If the Wald chi-square statistic associated with  $\beta_2^{NUni}$  is statistically significant, the item is flagged as a non-uniform DIF item. An alpha level of 0.01 is used for the significance test as used for the Mantel-Haenszel and *SMD* methods. For the investigation of uniform DIF, then the interaction term is dropped from the model such as

$$\ln \left[ \frac{p_i}{(1-p_i)} \right] = \alpha^{Uni} + \beta_0^{Uni}x + \beta_1^{Uni}G$$

to determine if uniform DIF exists. If the Wald chi-square statistic associated with the main effect,  $\beta_1^{Uni}$  is statistically significant at 0.01, the item is considered to manifest uniform DIF.

For polytomously scored items, ordinal logistic regression (Crane, Gibbons, Jolley, & van Bell, 2006; Zumbo, 1999) was implemented to study uniform and non-uniform DIF. In ordinal logistic regression, the cumulative probability for getting a response category of  $j$  or below is modeled as

$$\ln \left[ \frac{P(Y \leq j)}{P(Y > j)} \right] = \alpha_j^{NUni} + \beta_0^{NUni}x + \beta_1^{NUni}G + \beta_2^{NUni}xG.$$

Similar to what was implemented for dichotomously scored items, non-uniform DIF was investigated based on the model above. If the Wald statistic associated with the interaction term,  $\beta_2^{NUni}$ , is statistically significant at 0.01 then, the item is flagged as a non-uniform DIF item. Uniform DIF was also investigated based on the reduced model by dropping the interaction term from the ordinal logistic regression above such as

$$\ln \left[ \frac{P(Y \leq j)}{P(Y > j)} \right] = \alpha_j^{NUni} + \beta_0^{NUni}x + \beta_1^{NUni}G.$$

If the Wald chi-square statistic associated with the main effect,  $\beta_1^{NUni}$ , is statistically significant, it is concluded that the item manifests uniform DIF. The results of the logistic regression DIF analysis are summarized in Appendix F in Tables F.64 through F.282.

## **6.5 Comparability of Telephone and Computer Voice Capture in Stage I**

As described in Section 4.2 the districts were given the option of administering the Speaking portion of the Stage I test using a speaker telephone or Pearson KT's computer delivered platform. This section describes the comparability analyses and a cognitive lab study to further investigate the observed voice capture mode differences.

### **6.5.1 Comparability Analyses**

Approximately 20% of students who took the field test were non-ELL students (native English speakers) who were intentionally included in the field test. However, for this comparability study, only ELL students (N = 10,656) were included in the analyses since they are the target population for this test. There were 4 field test forms (Forms J, K, L, and M) randomly distributed across participating schools. Each field test form consisted of items from the four domains of reading, writing, listening, and speaking. The speaking domain contained 10 standard speaking items and 10 repeat items. There were common items among the 4 field test forms in all four domains, and for both non-repeat and repeat items. This resulted in 31 unique traditional speaking items and 30 unique repeat items across the 4 forms. Both non-repeat and repeat items were scored by human raters. Each non-repeat item was worth either 1-point or 2-points. Each repeat item was scored based on two traits, fluency and pronunciation. Each score for the repeat items had a maximum of 6 points, and the sum of the two scores was considered as the final score for that repeat item for this analysis. In other words, each repeat item was worth 12 points.

In addition to the field test data, scores from the previous version of AZELLA (Form 2, AZ-2) from the school year of 2011-2012 was included for the analyses. A majority of students who participated in the Stage I field test had previously taken the AZ-2 test. Since this comparability study was not conducted under an experimental design, AZ-2 scores were used to statistically adjust the difference in English proficiency between the group of students who took the speaking items on computer and the group of students who took the items on the telephone. For those who took the AZ-2 test more than once during the 2011-2012 school year, the score from the most recent administration was selected for the most up-to-date English proficiency score. After merging the two sources of data, the number of students was slightly reduced to 10,627. All ELL students who were on both datasets were included in all the analyses for the comparability study. Table 6.64 shows the demographic characteristics of the students used in the analyses.



**Table 6.64: Demographics of Participating Students**

	Computer (N = 2130)	Telephone (N = 8497)
<i>Gender</i>		
Female	49.5	49.8
Male	50.5	50.2
<i>Ethnicity</i>		
Hispanic	88.3	90.0
Non-Hispanic	11.7	10.0
<i>Race</i>		
Asian	5.7	3.5
Black	2.2	1.5
Hawaiian	0.3	0.3
Native American	1.6	6.7
Multiple	0.5	0.6
White	89.7	87.4
<i>Home Language</i>		
English	6.0	15.1
Native American	0.4	0.7
Spanish	83.7	78.4
Other	10.0	5.7
<i>Special Education</i>		
Special Ed.	5.1	5.4
Non-Special Ed.	94.9	94.6

Descriptive statistics for speaking non-repeat items and repeat items as well as AZ-2 scores for speaking domain and total scores were generated and summarized by form for the speaking modes in Table 6.65. The group of students who took speaking items on the telephone during the field test had higher means on both non-repeat and repeat items than the group of students who took the speaking items on computer. Approximately medium effect sizes with respect to Cohen's *d* were detected for all comparisons, except a small effect size observed for the difference in non-repeat items on Form J. The group of students with the telephone mode also had higher means on the AZ-2 speaking scores and total scores; however, the corresponding effect sizes were considered to be small.

**Table 6.65: Descriptive Statistics for Field Test Speaking Scores**

Scores	Computer			Telephone			Diff. in Mean	Cohen's <i>d</i>
	N	Mean	SD	N	Mean	SD		
<i>Field Test Speaking Score</i>								
Non-repeat Form J	145	8.3	3.3	2460	8.8	3.1	-0.6	-0.18
Non-repeat Form K	563	8.1	3.6	2027	9.8	2.8	-1.7	-0.56
Non-repeat Form L	722	7.4	3.6	1902	8.4	2.9	-1.0	-0.33
Non-repeat Form M	700	7.1	3.5	2108	8.7	3.0	-1.6	-0.50
Repeat Form J	145	71.0	31.6	2460	83.4	28.6	-12.4	-0.43
Repeat Form K	563	81.2	32.5	2027	98.0	20.4	-16.8	-0.71
Repeat Form L	722	82.6	31.9	1902	95.6	21.5	-13.0	-0.52
Repeat Form M	700	75.4	34.8	2108	92.1	23.9	-16.7	-0.62
<i>AZELLA Form 2 Score</i>								
AZ-2 Speaking Raw Score	2130	20.6	5.9	8497	21.5	4.7	-0.9	-0.19
AZ-2 Speaking Scale Score	2130	554.1	62.9	8497	560.9	53.9	-6.8	-0.12
AZ-2 Total Raw Score	2130	58.8	10.5	8497	60.2	9.2	-1.4	-0.15
AZ-2 Total Scale Score	2130	557.3	48.2	8497	562.2	45.0	-4.9	-0.11

The descriptive statistics revealed that the group of students who took the speaking items on telephone performed better on both the non-repeat and repeat items. However, these descriptive analyses do not control for the difference in English proficiency between the two groups of students. In other words, the differential performance on both non-repeat and repeat items between the groups may be due to the difference in English proficiency level. It can be seen in Table 6.65 that the Telephone group had very slightly higher AZ-2 scores than the Computer group. Thus, an analysis of covariance (ANCOVA), which investigates the difference in mean between groups after taking the difference in a covariate into account, was performed on non-repeat overall scores. ANCOVA was not conducted on repeat items because the repeat items will be machine scored for the operational test, and the machine scoring will generate a holistic score, which will be on a different scale than the field test human scores. Among the AZ-2 scores available, the total raw score (AZ-2 Total RS) was chosen as a control variable. ANCOVA was performed by field test form since the speaking raw scores are not comparable across the forms. First, the assumption of homogeneity of regression was evaluated by including an interaction term of group and the AZ-2 total raw score in ANCOVA. The interaction term was not statistically significant for any form. Thus, the interaction term was dropped from the analysis. The results from the ANCOVA analyses of each form revealed that the difference in means for non-repeated scores between the telephone group and the computer group was statistically significant for each form. The adjusted mean of non-repeat scores was lower for the students in the computer group than the students in the telephone group for all forms. The difference in the adjusted means varied from 0.61 to 1.44 as shown in Table 6.66. A difference of 0.5 or greater should be considered substantial because the number would be rounded up to a whole score point and students would receive different scale scores just by taking speaking items in different speaking item delivery modes.

**Table 6.66: Adjusted Means for Non-repeat Scores from Analysis of Covariance**

	Computer		Telephone		P-value
	Mean	SE	Mean	SE	
Form J	8.24	0.23	8.85	0.06	0.009
Form K	8.41	0.11	9.70	0.06	<0.001
Form L	7.48	0.10	8.35	0.06	<0.001
Form M	7.21	0.11	8.65	0.06	<0.001

These analyses indicated that students who took the speaking items on computer had a disadvantage on both non-repeat and repeat items over students in the telephone group. A follow-up study was conducted to determine the possible causes of the differential performance on the speaking items between the students who took the speaking items in two modes. This study is described in the next section.

### 6.5.2 Cognitive Lab to Investigate Speaking Capture Mode Differences

This section describes a cognitive lab to investigate issues around the use of voice capture using a telephone versus the use of a computer with young children. It includes the purpose of the cognitive lab, the participants, and the agenda. It also provides the findings from the cognitive lab especially in terms of cultural and linguistic biases.

#### Observation of Computer-Delivered Testing Use

The goal of this cognitive lab was to investigate the audio capturing issues of computer-delivered testing (CDT) that were encountered during the field test in April 2012. Pearson and ADE jointly selected two elementary schools from two school districts around the Phoenix area to conduct this cognitive lab. The primary reason for selecting these schools was that score abnormality at these sites had been identified in the April field test when student responses were captured via computers. The AZELLA speaking scores of students tested on CDT were significantly lower than their previous AZ-2 test scores. Prior to the cognitive lab, Pearson conducted an analysis on all the tests originated from these two schools. There was a large portion of tests that had silent responses throughout the test. Therefore, there was a wish to investigate the potential contributing factors to this abnormal performance. In particular, there was an interest in looking at whether audio was properly captured at these two schools and whether it might be attributed to malfunction of headsets, accidental muting of microphones or other hardware issues.

At each school, there were nine to eleven 1<sup>st</sup> grade students taking the AZELLA Stage I test on CDT. The original test coordinators who administered the field test in April 2012 were invited to participate in this cognitive lab. Students' behaviors, interaction with the device, and interaction with the test administrator during the test were observed. In addition, the computer and headsets that were used during the field test were examined. The observation is summarized in the following sections.

## Participants

Location: Melvin Sine Elementary (Glendale Elementary School District), Bales Elementary (Buckeye Elementary School District)

Participants: Pearson staff, ADE staff, District ELL coordinators from Glendale and Buckeye

The researcher observed the District ELL coordinators administering the speaking portion of the test to 11 students at Melvin Sine Elementary and nine students at Bales Elementary. The demographic information for each student is presented in Tables 6.67 and 6.68. ELL proficiency was based on the students' most recent AZ-2 results as reported by their teacher.

**Table 6.67: Student Demographic Information: Melvin Sine**

Student	Gender	Proficiency	Home Language
1	M	Basic	Spanish
2	M	Intermediate	Spanish
3	F	Basic	Spanish
4	F	Intermediate	Spanish
5	M	Intermediate	Thai
6	M	Pre-emergent	Spanish
7	F	Pre-emergent	Spanish
8	M	Basic	Spanish
9	M	Intermediate	Spanish
10	M	Intermediate	Spanish
11	M	Proficient	Spanish

**Table 6.68: Student Demographic Information: Bales Elementary**

Student	Gender	Proficiency	Home Language
1	M	Basic	Spanish
2	M	Basic	Spanish
3	M	Basic	Spanish
4	M	Intermediate	Spanish
5	F	Intermediate	Spanish
6	M	Intermediate	Spanish
7	M	Intermediate	Spanish
8	M	Basic	Spanish
9	F	Intermediate	Spanish

## Observation Summary

The two cognitive lab sessions showed that there were a few technical challenges that may have contributed to the score abnormality at these schools. Two significant factors were device muting and background noise.

### *Microphone Muting*

The headset used in Bales Elementary had a mute button on the cord, which could easily be switched to “mute” when students played with the cord or bumped onto the desk. Once this happens, the system is not able to capture the responses. All subsequent students tested after the muting button was switched on could have had no responses captured.

There are a few solutions for reducing the number of tests with silent responses. One is to require a headset without a mute button. Although Pearson KT had recommended some headset models which work well based on our previous experience, these two schools had opted to purchase other headset models. Secondly, Pearson KT could build another step of microphone checking into the CDT. Currently only test administrators go through a microphone check but each student could go through a similar microphone check procedure. If one student accidentally set the microphone on mute, this separate microphone check procedure would detect the audio setting change and prompt the test administrator to correct the setting. Thirdly, Pearson KT could also consider displaying a visual reminder if the device is switched to “mute.” This would also help the test administrator to intervene when the microphone setting is changed.

### *Background Noise*

In both of the schools the air conditioner noise in the room was loud. When this noise reached a certain level, it interfered with proper item presentation. Although Pearson KT strongly recommended using a quiet room, it seemed that there were not many spare rooms in local schools that they could use to administer the test. The importance of using a quiet room should be reinforced as it will have a direct impact on the validity of the scores. Pearson KT could also work on developing techniques to detect and eliminate background noises in audios.

### **Conclusion**

As the result of the observation, the following is a list of possible actions that could be taken to address the audio quality issues with CDT.

- Recommend or require specific devices (e.g., type of microphone)
- Expand the Test Administration Guidelines (e.g., background noise)
- Include a beep after each prompt to indicate the beginning of the response window
- CDT feature enhancements:
  - All students perform a microphone check in addition to the check by administrators at the start of each session
  - Possible onscreen reminder if the device is on mute
- Detection of null input during scoring

## **Chapter 7. DATA REVIEW**

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### **7.1 Stages I - V**

The data review of the Stage II-Stage V items field tested in Fall 2011 was conducted March 15 and 16, 2012, to determine if the field tested items were eligible for inclusion in operational test forms. A total of 58 educators participated in the data review process. The corresponding meeting for Stage I was held June 28 following the spring administration of the Stage I field test. A total of 18 people participated in the Stage I data review. Meeting participants were selected by ADE to represent the diversity of districts within Arizona along with educators familiar with the ELPS as well as educators from regular instructional classrooms.

The meeting began with a training session that provided an introduction to the item review process including an overview of item statistics and how they should be used to inform item selection. Item statistics were presented as a tool to help evaluate an item recognizing that data can serve as a guide to making decisions, with the caveat that decisions about the quality of an item cannot be made on statistics alone. Rather, the item itself and the content it measures are more important than the corresponding statistics associated with the item.

The item statistics employed in the evaluation of the items included:

- General item statistics (p-value, item point biserial correlation, IRT item difficulty, and fit statistics)
- Distractor information (response distributions, percents, and omits for the high, medium, and low achievers as well as the total group)
- Bias information based on gender, ethnicity, and language

Guidelines were provided for each of the item statistics identifying the desired or acceptable values. Committee members were informed that the new test must include a distribution of items—easy, moderate, and difficult, while recognizing that the ultimate goal of AZELLA is to identify Proficient students.

With this guidance, committee members were asked to make one of three decisions about the field test items: accept as is, revise and re-field test, or reject. Committee members were provided the general session handouts, data analysis booklets, and a coding summary spreadsheet to guide their review.

Each stage had two committees and the items were divided between them. An ADE staff member and the WestEd facilitator served as recorders yielding two master copies of the item review booklets. A committee member was assigned the responsibility of reviewing and confirming the correct PI code for each item. Following the review and completion of the confidentiality forms, the committees reviewed the items.

Appendix G: AZELLA Data Analysis Committee Meeting includes the PowerPoint presentation used to train the meeting participants, the provided handouts, and the coding summary spreadsheet used to support the meeting. Table 7.1 below provides a count of the number of items identified by the stage-specific committees as accept, revise, or reject.

**Table 7.1: Outcome of Data Review Item Acceptance by Stage**

Status	Stage I	Stage II	Stage III	Stage IV	Stage V
Accept (IA)	146	225	238	237	251
Re-field Test (RFT)	14	1	2	2	2
Reject (DNU)	9	10	-	5	5

## 7.2 Reading Passage and Associated Items Review

Given the primary purpose of the new AZELLA is determine whether students have the requisite English language proficiency skills to benefit from instruction in the regular classroom, it is critical that the language demands of the reading passages within the assessment reflect a range of difficulty including that level equal to the expectations for grade appropriate text. In order to determine grade appropriateness, ADE used the Lexile guidelines, included in the Common Core State Standards, as a guide. The Lexile score is a measure of the complexity of a text based on characteristics such as syntactic and semantic features. In general, longer sentences (a gross measure of syntactic complexity) and lower frequency words (a gross measure of semantic complexity) result in higher Lexile scores. Based on these guidelines, Lexile targets were developed by stage. In order to support the placement of students into the appropriate skill progression level, it was decided that there should be a range of Lexile scores at each stage. The table below summarizes the identified ADE-approved Lexile targets by stage.

**Table 7.2: Lexile Targets by Stage**

Stage II	Stage III	Stage IV	Stage V
<200L	300L+	450L+	550L+
350L	450L+	700L+	750L
500L+	700L	900L+	900L
600L+	800L	950L+	1100L
	900L	1050L+	1150L

The reading passages that were field tested were evaluated for their Lexile score. The distribution of Lexile scores at Stages II–V were determined to not reflect the desired range of complexity. Consequently, WestEd content editors revised passages to achieve the appropriate balance. In some cases passages were made more difficult, while in others the passages were made easier. These changes were accomplished by employing the following strategies:

- Adding words and/or punctuation
- Deleting words and/or punctuation
- Rearrangement of text by moving words or entire sentences
- Replacement of individual words

As part of the data review meeting, the committees were asked to review the edited passages and the impact of these revisions on the items. Prior to the evaluation of the passages and items, the

committees received an overview of the task and the process to be followed. The contents of this training can be found in Appendix H.

Following the training, the revised passages were submitted to the committees for their review. All changes were highlighted through the use of bold text, and both the “before” and “after” version of the text was presented to the committee to facilitate their evaluation of the edited passages.

The revised passages were evaluated by the stage-level committee. The committee was asked whether the proposed revisions were accepted or whether additional revisions were needed. Comments from the committee members were encouraged.

Following the review of the passages, the stage-level committees were divided into small groups and assigned passages and item sets for review. The groups were asked to evaluate the impact of the passage changes on the field tested items. The committee was asked to begin their review with the items that were approved in the data review to determine whether the items could be used “as is” in light of the changes to the passages or whether the items needed to be revised. The committee next evaluated the items identified as revise and re-field test. The committee determined which items could be used recognizing that the stem and/or response option(s) could be revised to make the item appropriate given the changes that had been made to the passage as well as correcting the additional item concerns identified by the committee in the initial review. The goal was to achieve the target number of items per passage. These targets are identified in Table 7.3 below. If the previously identified “accepted” and “revised” items were not adequate to achieve the target number of items, the groups were asked to develop new items in light of the content already assessed.

**Table 7.3: Target Number of Items per Passage by Stage**

Stage	Target Number of Items per Passage
II	4-5
III	5-6
IV	6-7
V	7-8

#### **7.4 Kindergarten Placement Test**

Due to the tight timeline of producing an operational assessment in time for the 2012-2013 school year (which in Arizona starts in July), a full committee was not called together to review the Kindergarten Placement Test field data. The item statistics for each of the 70 items were however inspected by experienced assessment and linguistic specialists from both ADE and WestEd. While there were items that were found to be extremely easy for ELL students, only one was found to have a point-biserial value slightly lower than the optimum lower bound of .30 (.292) and only a few items exhibited significant uniform DIF (these were examined in an



attempt to determine a cause). The item statistics for these items is presented in Section 6.2 and the results of the DIF analyses are presented in Appendix F.

As described in Section 3.4 above, the two field test forms for KPT were developed as a group of four activities which contained two to five subsets of items all focused around the theme of the activity. During a combined data review and test construction meeting, the specialists under the guidance of Pearson's psychometrician produced the final operational form by choosing one of each activity from the two forms. Both item statistics and the flow of the test informed their decisions.

## Chapter 8. REFERENCES

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## Appendix A. AZELLA TEST SPECIFICATIONS (SEC. 2.1)

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### Stage I Test Specifications by Domain

#### AZELLA Item Specifications Description and Key

These Post-Development Item Specifications were based on the August 2011 Item Specifications utilized for the development phase of the AZELLA Assessments. They have been updated to reflect what was administered on the following assessments:

Stages II-V Fall 2011 Field Test

Stage I Spring 2012 Field Test

Stage I-V Spring 2013 Operational Test (with some embedded field test at Stages I and V)

Thinking on item specifications evolved since August 2011. This resulted in two types of changes:

- |            |   |
|------------|---|
| ADDED      | 1. Some assessable areas were added (indicated in PINK) in the documents.   |
| NOT TESTED | 2. Some assessable areas were not ultimately field tested (indicated in strikethrough and gray in the Item Specifications). |

Development counts for these administrations have been added to the Item Specifications in two columns.

The column "Op count" is the number of operational items on the 2013 operational test.

The column "FT only count" includes the number of field test items from 2011, 2012, or 2013 that have not been used operationally.

An asterisk denotes the count of the items embedded as field test in 2013 (applicable to Stage I and V only).

	We have highlighted in yellow the cells where a miscoding of field test items may have occurred in 2013, possibly due to the prior renumbering of the PI. This impacts 5 items, all field tested in 2013, all in Stage I Listening.
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### Stage I Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	1	B-1: distinguishing between similar sounding words dictated by the teacher.	5	3	MC Orally Administered/ Multiple Choice	Oral	Three similar-sounding one-syllable words as answer choices.	<p>Look at number XX.</p> <p>I am going to say three words. Point to each word as I say the word.</p> <p>[word A, word B, word C]</p> <p>I will say the words again. Listen for the word [word].</p> <p>[word A, word B, word C]</p> <p>Fill in the circle under the word [word].</p>	<p>Scored 1 3 OPTIONS</p> <p>Three similar-sounding one-syllable words; only one answer choice is correct.</p>	None

## Stage I Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	2	E-2: counting the number of words in a short phrase dictated by the teacher.	0	1* [Item 7613K003, A#17 -- we believe should be E-3 instead]	MC Passage-based: Orally Administered/ Multiple Choice	GRAPHIC Oral 3- to 4-sentence passage.	GRAPHIC  Three graphics that relate to passage as answer choices.	Look at number XX.  Look at the pictures and listen to the story.  [Three- to four-sentence passage.]  Now listen to the story again to answer the question.  Which picture shows [question about key detail in passage]?  [Three- to four-sentence story.]  Which picture shows [question about key detail in passage]?  Fill in the circle under the correct picture.	Scored 1  GRAPHIC  3 OPTIONS  Three pictures that relate to the passage; only one answer choice is correct.	None
			B-2: counting the number of words said in a repetitive sentence dictated by the teacher.	0	1* [Item 7613K002, A16 -- we believe should be B-3 instead, then this row						

## Stage I Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	3	PE-3: responding to read-alouds, using a variety of physical actions (e.g., <i>matching objects</i> , <i>pointing to an answer</i> ) or by drawing pictures.	0	10	MC Orally Administered/ Multiple Choice	Oral	GRAPHIC Three graphics as answer choices.	Look at number XX.  Point to each picture as I say each word.[word A, word B, word C]  Which picture shows a [word]?[word A, word B, word C]  Fill in the circle under the picture that shows a [word].	Scored 13 OPTIONS Three pictures of the one-syllable words; only one answer choice is correct.	I.L.1a.I.L. 2

### Stage I Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	3	E-3: identifying information/ details from read-alouds using key words and phrases.	6	1	MC Passage-based: Orally Administered/Multiple Choice	GRAPHIC Oral 3- to 4-sentence passage.	GRAPHIC  Three graphics that relate to passage as answer choices.	<p>Look at number XX.</p> <p>Look at the pictures.</p> <p>I will read a story about [main character from passage]. Then I will ask you which picture shows [key detail about main character and/or main character's teacher/parent/other adult family member from passage].</p> <p>Now listen to the story.</p> <p>[Three- to four-sentence passage.]</p> <p>Which picture shows [key detail about main character and/or main character's teacher/parent/other adult family member from passage]?</p> <p>Fill in the circle under the picture that shows [key detail about main character and/or main character's teacher/parent/other adult family member from passage].</p>	<p>Scored 1</p> <p>GRAPHIC</p> <p>3 OPTIONS</p> <p>Three pictures that relate to the passage; only one answer choice is correct.</p>	None



### Stage I Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	3	B-3: responding to read-alouds by identifying main ideas/ concepts and details using complete sentences.	1	0	MC Passage-based: Orally Administered/ Multiple Choice	GRAPHIC Oral 4- to 5-sentence passage.	Three graphics that relate to passage as answer choices.  GRAPHIC	<p>Look at number XX.</p> <p>Look at the pictures.</p> <p>I will read a story about [main character from passage]. Then I will ask you which picture shows what/which [main idea/concept/detail about main character and/or main character's teacher/parent/ other adult family member from passage].</p> <p>Now listen to the story.</p> <p>[Four- to five-sentence passage.]</p> <p>Which picture shows what/which [main idea/concept/detail about main character and/or main character's teacher/parent/ other adult family member from passage]?</p> <p>Fill in the circle under the picture that shows what/which [main idea/concept/detail about main character and/or main character's teacher/ parent/other adult family member from passage].</p>	Scored 1 GRAPHIC 3 OPTIONS Three pictures that relate to the passage; only one answer choice is correct.	None
				0	3* [Items 7613K001, 7613K004, 7613K005, --A15, B15, B16 -- we believe should be coded to B-4 or H1-4 instead, then this row removed]				<p>Look at number XX.</p> <p>Look at the pictures and listen to the story.</p> <p>[Four- to five-sentence sequence-of-events passage.]</p> <p>Now listen to the story again to answer the question, [specific step (first/last/next) in sequence of events from passage]?</p> <p>[Four- to five-sentence sequence-of-events passage.]</p> <p>Fill in the circle under the picture that shows [specific step (first/last/next) in sequence of events from passage].</p>		

## Stage I Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	4	PE-4: sequencing a series of pictures from information shared in read-alouds, presentations, and conversations.	0	0	MC Passage-based: Orally Administered/Multiple Choice	GRAPHIC Oral 4- to 5-sentence sequence-of-events passage.	GRAPHIC  Three graphics that relate to passage as answer choices.	Look at number XX.	Scored 1  GRAPHIC  3 OPTIONS  Three pictures that relate to the passage; only one answer choice is correct.	I.L.1a I.L.2
			E-4: using pictures and key words to sequence a series of events from information shared in read-alouds, presentations, and conversations.	0	0				Look at the pictures.  I will read a story about [main character]. Then I will ask you which picture shows [main character doing specific step (first/last/next) in the sequence of events].  Now listen to the story.  [Four- to five-sentence sequence-of-events passage.]		
			B-4: using pictures and key words to sequence a series of events from information shared in read-alouds, presentations, and conversations.	4	0				Which picture shows [main character doing specific step (first/last/next) in the sequence of events]?  Fill in the circle under the picture that shows [main character doing specific step (first/last/next) in the sequence of events].		

## Stage I Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description : Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	4	HI-4: sequencing events from read-alouds, presentations, and conversations.	1	0	MC Passage-based: Orally Administered/ Multiple Choice	GRAPHIC  Oral  4- to 5-sentence sequence-of-events passage.	GRAPHIC  Three graphics that relate to passage as answer choices.	Look at number XX.  Look at the pictures.  One picture shows [main character doing specific step (first/last/next) which teacher/parent/adult instructs].  Now listen to [teacher/parent/adult].  [Four- to five-sentence sequence-of-events passage.]  Which picture shows [specific step (first/last/next) in sequence of events from passage]?  Fill in the circle under the picture that shows [main character doing specific step (first/last/next) which teacher/parent/adult instructs].	Scored 1  GRAPHIC  3 OPTIONS  Three pictures that relate to the passage; only one answer choice is correct.	I.L.1a I.L.2

## Stage I Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	5	PE-5: following one-word commands for classroom activities that are accompanied by picture cues.	0	0	MC Passage-based: Orally Administered/ Multiple Choice	GRAPHIC	GRAPHIC	Look at number XX.  Look at the pictures.  One picture shows [main character] doing what the teacher says to do.  Now listen to [main character's] teacher.  [Two- to three-sentence one-step passage/instructions/announcement.]  Which picture shows [main character] doing what the teacher says to do?  Fill in the circle under the picture that shows [main character] doing what the teacher says to do.	Scored 1  GRAPHIC  3 OPTIONS  Three pictures that relate to the passage/instructions / announcement; only one answer choice is correct.	None
			E-5: following one-step directions for classroom activities that are accompanied by picture cues.	4	0		Oral  2- to 3-sentence 1-step passage/instructions/announcement.	Three graphics that relate to passage/instructions/announcement as answer choices.			

## Stage I Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	6	PE-6: responding to conversations using memorized responses. (e.g., introductions, requests, courtesies)	0	1*	MC Passage-based: Orally Administered/ Multiple Choice	GRAPHIC  Oral  2- to 3-sentence passage/ instructions/ announcement that includes introduction/ request/ courtesy in dialogue form.	GRAPHIC  Three graphics that relate to passage/ instructions/ announcement as answer choices.	Look at number XX.  Look at the pictures and listen to the story.  [Two- to three-sentence passage that includes introduction/request/courtesy in dialogue form.]  Now listen to the story again to answer the question, Which picture shows [main character] doing what [main character's teacher/parent] says?  [Two- to three-sentence passage that includes introduction/request/courtesy in dialogue form.]  Fill in the circle under the picture that shows [main character] doing what [main character's teacher/parent] says.	Scored 1  GRAPHIC  3 OPTIONS  Three pictures that relate to the passage/ instructions/ announcement; only one answer choice is correct.	None

### Stage I Prereading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 2: Phonemic Awareness The student will demonstrate knowledge of phonemic awareness by:	2	PE-2: identifying pictures that begin with the same given initial sound.	2	3	MC Orally Administered/ Multiple Choice	GRAPHIC  Oral  Three pictures of people/animals/objects.	n/a	Look at number XX.  Look at the pictures.  [THREE GRAPHIC ANSWER CHOICES]  Point to each picture as I say each word.  [word for picture A, word for picture B, word for picture C]  Which picture has the same first sound as [word]?  [word for picture A, word for picture B, word for picture C]  Fill in the circle under the picture that has the same first sound as [word].	Scored 1  GRAPHIC  3 OPTIONS  One corresponding word that begins with the same first sound as the designated word; two corresponding words that begin with different first sound as the designated word.	None
			E-2: comparing two to three pictures and identifying those with the same initial sound.	0	1						

### Stage I Prereading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 2: Phonemic Awareness The student will demonstrate knowledge of phonemic awareness by:	2	B-2: sorting groups of pictures that begin with the same initial sounds.	6	2*	MC Orally Administered/ Multiple Choice	GRAPHIC  Oral  Three pictures of people/animals/objects.	n/a	<p>Look at number XX.</p> <p>Look at the pictures.</p> <p>[THREE GRAPHIC ANSWER CHOICES]</p> <p>Point to each picture as I say each word.</p> <p>[word for picture A, word for picture B, word for picture C]</p> <p>Which picture has a different first sound?</p> <p>[word for picture A, word for picture B, word for picture C]</p> <p>Fill in the circle under the picture that has a different first sound.</p>	<p>Scored 1</p> <p>GRAPHIC</p> <p>3 OPTIONS</p> <p>One corresponding word that begins with a different first sound from the two other corresponding words.</p>	None

## Stage I Prereading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description on: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 2: Phonemic Awareness The student will demonstrate knowledge of phonemic awareness by:	4	<del>E-4: distinguishing spoken rhyming words from non-rhyming words.</del>	0	0	MC Orally Administered/Multiple Choice	GRAPHIC  Oral  Three pictures of people/animals/objects.	n/a	<p>Look at number XX.</p> <p>Look at the pictures.[THREE GRAPHIC ANSWER CHOICES]</p> <p>Point to each picture as I say each word.[word for picture A, word for picture B, word for picture C]</p> <p>Which picture rhymes with [word]? [word for picture A, word for picture B, word for picture C]</p> <p>Fill in the circle under the picture of the word that rhymes with [word].</p>	<p>Scored 1</p> <p>GRAPHIC3 OPTIONS</p> <p>Three pictures of people/animals/objects; only one corresponding word rhymes with the designated word.</p>	None
			B-4: identifying rhyming words in response to an oral prompt.	4	1						



## Stage I Prereading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	5	PE-5: distinguishing letters from numbers and symbols.	1	1	MC Orally Administered/ Multiple Choice	GRAPHIC  Oral  One letter; one number; one grade-appropriate symbol.	n/a	Look at number XX.  Look at the boxes.  Which box has a [letter/number/symbol]?  Fill in the circle under the box with a [letter/number/symbol].	Scored 1  GRAPHIC  3 OPTIONS  One letter; one number; one grade-appropriate symbol.	I.L.2
Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	5	E-5: matching upper case and lower case letters.	0	4	MC Orally Administered/Multiple Choice	GRAPHIC  Oral  Picture of an upper/lower case letter.	n/a	Look at number XX.  Point to the letter in the small box.  This is a [lower/upper case] letter [letter].  Which letter is [upper/lower] case [letter]?	Scored 1  GRAPHIC  3 OPTIONS  Three opposite case letters; only one is the correct opposite case letter from the designated letter.	None

### Stage I Prereading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description : Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	7	E-7: recognizing high frequency words.	1	3	MC Orally Administered/ Multiple Choice	GRAPHIC  Oral  Three high frequency words.	n/a	Look at number XX.  Now look at the three words.  Which word says [one of three words]?  Fill in the circle under the word [one of three words].	Scored 1  GRAPHIC  3 OPTIONS  Three high frequency words; only one word is the designated word.	I.L.2

### Stage I Prereading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description : Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 2: Decoding The student will demonstrate knowledge of phonemic awareness by:	10	LI-10: decoding common CVC words with instructional support.	1	0	MC Orally Administered/ Multiple Choice	GRAPHIC  Oral  Picture of an object.	n/a	Look at number XX.  This is a picture of a [word for the picture].  Look at the three words below the picture of the [word for the picture].  Fill in the circle under the word [word for the picture].	Scored 1  GRAPHIC  3 OPTIONS  Three CVC words; only one word is correct; two other words with same beginning/ending C/V as tested word.	I.L.2
			HI-10: decoding common CVC words.	1	2						

## Stage I Prereading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 3: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	12	E-12: recognizing signs, labels, symbols, and captions within the environment.	0	0	MC Orally Administered/ Multiple Choice	GRAPHIC  Oral  Three grade-appropriate signs/symbols.	n/a	Look at number XX.  Look at the boxes.  Which [sign/symbol] [meaning of sign/symbol]?  Fill in the circle under the [sign/symbol] that [meaning of sign/symbol].	Scored 1  GRAPHIC  3 OPTIONS  Three grade-appropriate signs/symbols; only one is correct.	I.L.2
			B-12: interpreting signs, labels, symbols, and captions within the environment with instructional support.	0	0						
			LI-12: interpreting signs, labels, symbols, and captions within the environment.	2	1						

### Stage I Prereading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 3: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	3	B-3: answering comprehension questions to respond to text heard or read.	0	1*	MC Passage-based: Orally Administered/ Multiple Choice	GRAPHIC  Oral  Five- to seven-sentence passage; three pictures relating to the passage.	n/a	[Five- to seven-sentence passage read to students.]  Look at number XX.  Who/What/Which [detail from the passage]?  Fill in the circle under the picture that shows who/what/which [detail from the passage].	Scored 1  GRAPHIC  3 OPTIONS  Three pictures based on the passage; only one answers the question.	None
Reading	Standard 3: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	3	B-7: identifying the main characters of a story heard or read.	0	1*	MC Passage-based: Orally Administered/ Multiple Choice	GRAPHIC  Oral  Five- to seven-sentence passage; three pictures relating to the passage.	n/a	[Five- to seven-sentence passage read to students.]  Look at number XX.  Who [detail about a main character in the passage]?  Fill in the circle under the picture that shows who [detail about a main character in the passage].	Scored 1  GRAPHIC  3 OPTIONS  Three pictures based on the passage; only one answers the question.	None

## Stage I Prereading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 3: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	3	B-8: identifying the setting of a story heard or read.	0	2*	MC Passage-based: Orally Administered/ Multiple Choice	GRAPHIC Oral  Five- to seven-sentence passage; three pictures relating to the passage.	n/a	[Five- to seven-sentence passage read to students.]  Look at number XX.  Where [detail about the setting in the passage]?  Fill in the circle under the picture that shows where [detail about the setting in the passage].	Scored 1  GRAPHIC  3 OPTIONS  Three pictures based on the passage; only one answers the question.	None
Reading	Standard 3: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	3	B-9: identifying the key events of a story heard or read.	0	2*	MC Passage-based: Orally Administered/ Multiple Choice	GRAPHIC Oral  Five- to seven-sentence passage; three pictures relating to the passage.	n/a	[Five- to seven-sentence passage read to students.]  Look at number XX.  What [key event in the passage]?  Fill in the circle under the picture that shows what [key event in the passage].	Scored 1  GRAPHIC  3 OPTIONS  Three pictures based on the passage; only one answers the question.	None

## Stage I Prereading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Descrip- tion: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Langua- ge Strand Codes
Reading: Informational Passage	Standard 3: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	3	B-3: answering comprehension questions to respond to text heard or read.	4	0	MC Passage-based: Orally Administered/ Multiple Choice	GRAPHIC  Oral  Five- to seven- sentence Informational passage; three pictures relating to the passage.	n/a	[Five- to seven-sentence Informational passage read to students.]  Look at number XX.  Who/What/Which [detail from the passage]?  Fill in the circle under the picture that shows who/what/which [detail from the passage].	Scored 1  GRAPHIC  3 OPTIONS  Three pictures based on the passage; only one answers the question.	I.L.2
Reading: Informational Passage	Standard 3: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	5	LI-5: identifying facts from text read aloud, with instructional support.	3	0	MC Passage-based: Orally Administered/ Multiple Choice	GRAPHIC  Oral  Five- to seven- sentence Informational passage; three pictures relating to the passage.	n/a	[Five- to seven-sentence Informational passage read to students.]  Look at number XX.  Who/What/Which [fact from the passage]?  Fill in the circle under the picture that shows who/what/which [fact from the passage].	Scored 1  GRAPHIC  3 OPTIONS  Three pictures relating to the passage; only one answer the question.	I.L.2
			HI-5: identifying facts from text read aloud.	1	1						

## Stage I Prereading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Reading: Literary (Fiction) Passage	Standard 3: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	3	B-3: answering comprehension questions to respond to text heard or read.	2	0	MC Passage-based: Orally Administered/ Multiple Choice	GRAPHIC  Oral  Five- to seven-sentence Literary passage; three pictures relating to the passage.	n/a	[Five- to seven-sentence Literary passage read to students.]  Look at number XX.  Who/What/Which [detail from the passage]?  Fill in the circle under the picture that shows who/what/which [detail from the passage].	Scored 1  GRAPHIC  3 OPTIONS  Three pictures based on the passage; only one answers the question.	I.L.2



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Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Reading: Literary (Fiction) Passage	Standard 3: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	E-4: sequencing a series of given pictures to retell a story or event.	1	0	MC Passage-based: Orally Administered/ Multiple Choice	GRAPHIC  Oral	n/a	[Five- to seven-sentence Literary passage read to students.]  Look at number XX.  Who/What/Which [question about sequence (first/last) in the passage]?  Fill in the circle under the picture that shows who/what/which [question about sequence (first/last) in the passage].	Scored 1  GRAPHIC  3 OPTIONS  Three pictures based on the passage; only one answers the question.	I.L.1a
			B-4: sequencing a series of given pictures to retell a story or event using key words.	2	0		Five- to seven-sentence Literary passage; three pictures relating to the passage.				

## Stage I Prereading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
<b>Reading: Literary (Fiction) Passage</b>	<b>Standard 3: Comprehending Text</b> The student will demonstrate knowledge of reading comprehension by:	7	B-7: identifying the main characters of a story heard or read.	1	0	MC Passage-based: Orally Administered/ Multiple Choice	GRAPHIC  Oral  Five- to seven-sentence Literary passage; three pictures relating to the passage.	n/a	[Five- to seven-sentence Literary passage read to students.]  Look at number XX.  Who [detail about a main character in the passage]?  Fill in the circle under the picture that shows who [detail about a main character in the passage].	Scored 1  GRAPHIC  3 OPTIONS  Three pictures based on the passage; only one answers the question.	None

## Stage I Prereading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description : Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary (Fiction) Passage	Standard 3: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	B-8: identifying the setting of a story heard or read.	0	0	MC Passage-based; Orally Administered/ Multiple Choice	GRAPHIC  Oral  Five to seven- sentence Literary passage; three pictures relating to the passage.	n/a	<del>{Five to seven sentence Literary passage read to students.}</del>  Look at number XX.  Where {detail about the setting in the passage}?  Fill in the circle under the picture that shows where {detail about the setting in the passage}.	Scored 1  GRAPHIC  3 OPTIONS  Three pictures based on the passage; only one answers the question.	None
Reading: Literary (Fiction) Passage	Standard 3: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	9	B-9: identifying the key events of a story heard or read.	0	0	MC Passage-based; Orally Administered/ Multiple Choice	GRAPHIC  Oral  Five to seven- sentence Literary passage; three pictures relating to the passage.	n/a	<del>{Five to seven sentence Literary passage read to students.}</del>  Look at number XX.  What {key event in the passage}?  Fill in the circle under the picture that shows what {key event in the passage}.	Scored 1  GRAPHIC  3 OPTIONS  Three pictures based on the passage; only one answers the question.	None

## Stage I Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	6	E-6: naming all cardinal numbers in random order with accurate pronunciation.	2	2	SA1 OE Orally Administered/ Spoken Response	GRAPHIC List of 3 cardinal numbers in random order	[number, number, number]	Look at number XX. Read the number in each of the gray boxes.	Scored 0-2	I.L.2
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	6	LI-6: naming cardinal and ordinal numbers randomly with accurate pronunciation.	0	1	SA1 OE Orally Administered/ Spoken Response	GRAPHIC Line of three/four people/object s (must be easily distinguished from one another)	GRAPHIC Line of three/four people/objects (must be easily distinguished from one another).	Look at number XX. The [object/person] is [ordinal number identifying the object's/person's position]. The [different object/person] is (pause for student response).	Scored 0-2	I.L.1a I.L.2

### Stage I Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	6	HI-6: naming and distinguishing between cardinal and ordinal numbers with accurate pronunciation.	2	0	SA1 OE Orally Administered/ Spoken Response	GRAPHIC Line of three/four people/objects (must be easily distinguished from one another)	GRAPHIC Line of three/four people/objects (must be easily distinguished from one another).	Look at number XX.  The [object/person] is [ordinal number identifying the object's/person's position].  The [different object/person] is (pause for student response).	Scored 0-2	I.L.1a I.L.2
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	7	B-7: responding to social interactions, courtesies, and personal information questions using complete sentences with instructional support.	2	7 [3 FT 2012 4*FT 2013]	SA2 OE Orally Administered/ Spoken Response	Question or Imperative Sentence	n/a	Next, use a complete sentence to answer the question. (Question or imperative sentence asking for personal information)  Use complete sentences to answer the question. (Question asking student to justify response)  Next, use one or more complete sentences. Tell me about (thing).	Scored 0-2	I.L.1a I.L.b

### Stage I Speaking– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral CommunicationsThe student will communicate orally by:	8	PE-8: using isolated words accompanied by gestures to communicate basic needs	0	0	SA2 Orally Administered/Spoken Response	Oral GRAPHIC (picture of a child with a basic need)	Graphic that matches the need/activity.	Look at number XX. Remember to use one or more complete sentences to answer the question.  Look at the picture. The [girl/boy] needs/wants to [basic need].  What does [he/she] say to the teacher?	Scored 0-2	I.L.1bI.L.2
			E-8: using isolated words or strings of two to three words accompanied by gestures to communicate basic needs.	0	0						
			B-8: using key words, phrases and complete sentences to communicate basic needs with instructional support.	0	0						
			LI-8: using complete sentences, and rephrasing when necessary, to communicate immediate and future needs with instructional support.	0	0						
			HI-8: using complete sentences, and rephrasing when necessary, to communicate immediate and future needs.	3	0		Oral	n/a	Look at number XX. Remember to use one or more complete sentences to answer the question.  You want to [an activity that a kindergarten student might do that would require needed materials].  Ask me for the things you need to [do the activity].		
			PE-8: using isolated words accompanied by gestures to communicate basic needs.	0	0						
			E-8: using isolated words or strings of two to three words accompanied by gestures to communicate basic needs.	0	0						
			B-8: using key words, phrases and complete sentences to communicate basic needs with instructional support.	0	0						
			LI-8: using complete sentences, and rephrasing when necessary, to communicate immediate and future needs with instructional support.	0	0						
			HI-8: using complete sentences, and rephrasing when necessary, to communicate immediate and future needs.	0	2						

### Stage I Speaking– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	9	PE-9: repeating familiar objects, people, and events with instructional support.	20	10	RP6	n/a	n/a	[sentence for the student to repeat]	Scored 0-6	I.L.1b I.L.2
				2	1	SA1 Orally Administered/ Spoken Response	GRAPHIC  word /phrase/ sentence	GRAPHIC  word/phrase/sentence	Look at number XX.  Look at the picture.  This is a [name of object in graphic]. Now you say the word: [name of object in graphic].	Scored 1	I.L.2
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	9	E-9: naming familiar objects, people, and events with instructional support.	0	0	SA1 Orally Administered/ Spoken Response	GRAPHIC Picture of an object/person /event that kindergarten students should know.	GRAPHIC Picture of an object/person/ event that kindergarten students should know.	Look at number XX.  Look at the picture.  What is this?	Scored 1	I.L.1a I.L.2
			B-9: naming objects, people, and events with instructional support.	0	4						

### Stage I Speaking– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	9	LI-9: naming and describing objects, people, and events.	0	1	SA1 Orally Administered/ Spoken Response	GRAPHIC Three related objects, people, or events in one box	GRAPHIC Three related objects, people, or events in one box.	Look at number XX.  What is the group of things in the picture called?	Scored 1	c
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	9	HI-9: naming and describing objects, people, and events.	0	5	SA1 Orally Administered/ Spoken Response	GRAPHIC  One picture of related people/objects /events in one box.	GRAPHIC  One picture of related people/objects/ events in one box.	Look at number XX.  The picture shows a group of things.  What is the group of things in the picture called?	Scored 1	I.L.1a I.L.2
				1	0		GRAPHIC  One picture of person/object.	GRAPHIC  One picture of person/object.	Look at number XX.  Look at the picture. This is a [word for object/person].  Now you say the word: [word for object/person].		I.L.2



### Stage I Prewriting– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Writing	Standard 1: Writing Applications The student will express his or her thinking and ideas by using a variety of writing genres, as demonstrated by:	1	B-1: drawing and using experimental writing to express ideas.	0	0	SA3 OE Orally Administered/ Written Response	GRAPHIC  Three pictures of one or more children involved in an activity common to all children. Objects, actions, people should be recognizable by kindergarten students.	GRAPHIC  Three pictures of one or more children involved in an activity common to all children. Objects, actions, people should be recognizable by kindergarten students.  Primary writing lines provided for student.	Look at number XX.  Look at the three pictures that tell a story about [subject of passage].  You will write a sentence that tells what is happening in each picture.  Look at the picture on [page].  It is the first picture of the story.  On the lines under the picture, write a sentence that tells what is happening in the picture.	Scored 0-3	I.L.1a I.L.1b
			LI-1: writing narratives using simple sentences including sight words, phonetic spelling, and CVC words to express ideas with instructional support.	0	0						
			HI-1: writing narratives using simple sentences that include sight words, CVC words, and phonetic spelling to express ideas.	2	2 [1 FT 2012 1*FT 2013]						

### Stage I Prewriting– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Writing	Standard 1: Writing Applications The student will express his or her thinking and ideas by using a variety of writing genres, as demonstrated by:	1	B-1: drawing and using experimental writing to express ideas.	0	0	SA3 OE Orally Administered/ Written Response	GRAPHIC  One picture of one or more children involved in an activity common to all children. Objects, actions, people should be recognizable by kindergarten students.	GRAPHIC  One picture of one or more children involved in an activity common to all children. Objects, actions, people should be recognizable by kindergarten students.  Primary writing lines provided for student.	Look at number XX.  Write a story about what you see in the picture.  Write as much as you can. Use as many lines as you need.	Scored 0-3	I.L.1a I.L.1b
			LI-1: writing narratives using simple sentences including sight words, phonetic spelling, and CVC words to express ideas with instructional support.	0	0						
			HI-1: writing narratives using simple sentences that include sight words, CVC words, and phonetic spelling to express ideas.	1	2 [1 FT 2012 1*FT 2013]						

### Stage I Prewriting– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English ConventionsThe student will identify and apply conventions of standard English in his or her written communications by:	1	PE-1: writing a minimum of 5 letters of the alphabet with instructional support.	0	0	SA2Orally Administered/Written Response	A single upper case or lower case letter.	A single upper case or lower case letter.[Primary writing line provided for student.]	Look at number XX. This is the letter [upper case/lower case letter].Copy the letter [upper case/lower case letter].	Scored 0-2	None
			E-1: Writing a minimum of 10 lower case and upper case letters of the alphabet with instructional support.	0	4						
			B-1: writing legibly and with correct formation, a minimum of 16 lower case and upper case letters of the alphabet with instructional support.	0	0						

### Stage I Prewriting– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	1	PE-1: writing a minimum of 5 letters of the alphabet with instructional support.	0	0	SA2 Orally Administered/ Written Response	A single word.	A single word.  Primary writing line provided for student.	Look at number XX.  This is the word [word].  Copy the word [word].	Scored 0-2	None
			E-1: Writing a minimum of 10 lower case and upper case letters of the alphabet with instructional support.	0	0						
			B-1: writing legibly and with correct formation, a minimum of 16 lower case and upper case letters of the alphabet with instructional support.	0	4						

### Stage I Prewriting– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	1	LI-1: writing legibly and with correct formation, a minimum of 22 lower case and upper case letters of the alphabet.	0	0	SA2 Orally Administered/ Written Response	Blank line.	Blank line.  Primary writing line provided for student.	Look at number XX.  Write the [upper case/lower case] letter on the line.  Write the [upper case/lower case] letter on the line.	Scored 0-2	I.L.1b
			HI-1: writing legibly and with correct formation all of the lower case and upper case letters of the alphabet.	2	2						

### Stage I Prewriting– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	2	B-2: applying letter-sound relationships to write beginning sounds of words.	0	4	SA2 Orally Administered/ Written Response	<p>GRAPHIC</p> <p>A picture of an animal/object.</p> <p>Letters of the word of the animal/object, with blank first line for first letter, on primary writing line provided for student.</p>	<p>GRAPHIC</p> <p>A picture of an animal/object.</p> <p>Letters of the word of the animal/object, with blank first line for first letter, on primary writing line provided for student.</p>	<p>Look at number XX.</p> <p>This is a picture of a [word of animal/object].</p> <p>On the line, write the letter that begins the word [animal/object].</p> <p>Listen to the word again . . . [animal/object].</p> <p>On the line, write the letter that begins the word [animal/object].</p>	Scored 0-2	None

### Stage I Prewriting– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description n: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	2	LI-2: applying letter-sound relationships to write beginning and ending sounds of simple words.	0	4	SA2 Orally Administered/ Written Response	<p>GRAPHIC</p> <p>A picture of an animal/object.</p> <p>Letters of the word of the animal/object, with blank last line for last letter, on primary writing line provided for student.</p>	<p>GRAPHIC</p> <p>A picture of an animal/object.</p> <p>Letters of the word of the animal/object, with blank last line for last letter, on primary writing line provided for student.</p>	<p>Look at number XX.</p> <p>This is a picture of [word of animal/object].</p> <p>On the line, write the letter that ends the word [animal/object].</p> <p>Listen to the word again . . . [animal/object].</p> <p>On the line, write the letter that ends the word [animal/object].</p>	Scored 0-2	None

### Stage I Prewriting– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	2	HI-2: applying letter-sound relationships to write simple CVC words and attempt more complex words.	2	2	SA2 Orally Administered/ Written Response	GRAPHIC  A picture of an animal/object.  Blank line.	GRAPHIC  A picture of an animal/object.  Primary writing line provided for student.	Look at number XX.  This is a picture of a [word of animal/object].  Write the word [animal/object] on the line.	Scored 0-2	None
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	4	<del>B-4: using a capital letter to write student's own first name.</del>  HI-4: using capital letters to write student's own name.	<del>0</del> 1	<del>0</del> 0	SA2 Orally Administered/ Written Response	Two blank lines.	Two blank lines.  Primary writing lines provided for student.	Look at number XX.  Point to the top line.  Write your first name on the top line.	Scored 0-2	None



### Stage I Prewriting– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	4	LI-4: using capital letters to write student's own name with instructional support.	0	2*	SA1* SA2 Orally Administered/ Written Response	One simple sentence with missing capitalization.	One simple sentence with missing capitalization.	Look at number XX. Listen as I read the sentence. [One simple sentence.] A capital letter is missing. Which word should begin with a capital letter?  Circle the word that should begin with a capital letter.	Scored 1* Scored 0-2	None
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	5	LI-5: using a capital letter at the beginning of sentences and proper nouns with instructional support.	2	0	SA1 Orally Administered/ Written Response	One simple sentence with missing capitalization.	One simple sentence with missing capitalization.	Look at number XX. Listen as I read the sentence. [One simple sentence.] A capital letter is missing. Which word should begin with a capital letter?  Circle the word that should begin with a capital letter.	Scored 1	I.L.1b

### Stage I Prewriting– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	6	B-6: using ending punctuation with instructional support.	0	0	SA1 Orally Administered/ Written Response	One simple sentence with missing end punctuation.	One simple sentence with missing end punctuation.	Look at number XX.  Listen as I read the sentence.  [One simple sentence.]  The sentence needs end punctuation.  Does it need a period or a question mark?  Write the correct punctuation at the end of the sentence.	Scored 1	None
			LI-6: using ending punctuation with instructional support.	2	0						
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	8	B-8: using the placing of spaces between words with instructional support.	1	0	SA1 Orally Administered/ Written Response	One simple sentence.  Primary writing lines provided for student.	One simple sentence.  Primary writing lines provided for student.	Look at number XX.  [One simple sentence.]  Now copy the sentence. Use both top and bottom lines if you need them.	Scored 0-2	None
			HI-8: using the placing of spaces between words.	1	6						

### Stage I Prewriting– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	9	HI-9: using prompt, write simple declarative sentences (e.g., S-V, S-V-C) with subject-verb agreement.	2	3	SA2 OE Orally Administered/ Written Response	<p>GRAPHIC</p> <p>One picture of one/two subject[s] engaged in an action.</p> <p>Primary writing lines provided for student.</p>	<p>GRAPHIC</p> <p>One picture of one/two subject[s] engaged in an action.</p> <p>Primary writing lines provided for student.</p>	<p>Look at number XX.</p> <p>Look at the picture.</p> <p>Write a sentence that tells what the [subject(s) of picture] does/do in the picture. Use as many lines as you need.</p>	Scored 0-2	I.L.1a I.L.1b

### Stage I Prewriting– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Writing	<b>Standard 3: Writing Process/Writing Elements</b> <b>Ideas, Word Choice, Organization, Voice, Sentence Fluency</b> Students use the steps of the writing process as a writing piece moves toward completion as demonstrated by:	4	LI-4: reviewing the draft for errors in conventions with prompting, including left to right, capital letters at the beginning of sentences and names, spaces between words and ending punctuation.	0	2	SA1 OE Orally Administered/ Written Response	One simple sentence with missing end punctuation.  Primary writing lines provided for student.	One simple sentence with missing end punctuation.  Primary writing lines provided for student.	Look at number XX.  Listen as I read the sentence.  [One simple sentence.]  The sentence needs end punctuation.  Does it need a period or a question mark?  Write the correct punctuation at the end of the sentence.	Scored 0-1	None
				0	3		One simple sentence with missing capitalization.  Primary writing lines provided for student.	One simple sentence.  Primary writing lines provided for student.	Look at number XX.  Listen as I read the sentence.  [One simple sentence.]  A capital letter is missing.  Which word should begin with a capital letter?  Mark an "X" on the word that should begin with a capital letter.		

## Stage II Test Specifications by Domain

### AZELLA Item Specifications Description and Key

These Post-Development Item Specifications were based on the August 2011 Item Specifications utilized for the development phase of the AZELLA Assessments. They have been updated to reflect what was administered on the following assessments:

Stages II-V Fall 2011 Field Test

Stage I Spring 2012 Field Test

Stage I-V Spring 2013 Operational Test (with some embedded field test at Stages I and V)

Thinking on item specifications evolved since August 2011. This resulted in two types of changes:

- |            |   |
|------------|---|
| ADDED      | 1. Some assessable areas were added (indicated in PINK) in the documents.   |
| NOT TESTED | 2. Some assessable areas were not ultimately field tested (indicated in strikethrough and gray in the Item Specifications). |

Development counts for these administrations have been added to the Item Specifications in two columns.

The column "Op count" is the number of operational items on the 2013 operational test.

The column "FT only count" includes the number of field test items from 2011, 2012, or 2013 that have not been used operationally.

An asterisk denotes the count of the items embedded as field test in 2013 (applicable to Stage I and V only).

	We have highlighted in yellow the cells where a miscoding of field test items may have occurred in 2013, possibly due to the prior renumbering of the PI. This impacts 5 items, all field tested in 2013, all in Stage I Listening.
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### Stage II Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Descripti on	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	1	PE-1: identifying phonemes in the initial and/or final positions of words.	0	4	MC Orally Administered/ Multiple Choice	Oral	See TAD	<p>Look at number XX.</p> <p>Look at the pictures.</p> <p>Listen to the words:</p> <p>[word for picture A, word for picture B, word for picture C]</p> <p>Which picture has the same first/last sound as [word]?</p> <p>Listen to the words again:</p> <p>[word for picture A, word for picture B, word for picture C]</p> <p>Fill in the circle under the correct picture.</p>	<p>Scored 1</p> <p>GRAPHIC</p> <p>3 OPTIONS</p> <p>(1) Picture with the same first/last sound</p> <p>(2) Picture with a similar but different first/last sound</p> <p>(3) Picture with the same sound but in the wrong position</p>	None
			E-1: distinguishing between phonemes in the initial, medial, and final positions of words.	3	2						

### Stage II Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Descripti on	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	1	B-1: distinguishing between phonemes in the initial, medial, and final positions of words and phrases (minimal pairs, minimal phrases).	0	2	MC Orally Administered/ Multiple Choice	Oral	See TAD	<p>Look at number XX.</p> <p>Look at the sets of boxes:</p> <p>Listen to the words:</p> <p>[minimal pair of words]</p> <p>Which sound is different--the first, the middle, or the last?</p> <p>Listen to the words again:</p> <p>[minimal pair of words]</p> <p>Fill in the circle under the set of boxes that shows where the sound is different in the words.</p>	<p>Scored 1</p> <p>GRAPHIC</p> <p>3 OPTIONS</p> <p>Three sets of boxes: one set with an X in the beginning; one set with an X in the middle; and one set with an X in the end.</p> <p>[X__] [__X]</p>	None
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	1	H-1: distinguishing between phonemes in the initial, medial, and final positions of words, phrases and sentences.	8	0	MC Orally Administered/ Multiple Choice	Oral	See TAD	<p>Look at number XX. Look at the sets of boxes: Listen to the words: [minimal pair of words] Which sound is different--the first, the middle, or the last? Listen to the words again: [minimal pair of words] Fill in the circle under the set of boxes that shows where the sound is different in the words.</p>	<p>Scored 1</p> <p>GRAPHIC 3 OPTION</p> <p>Three sets of boxes: one set with an X in the beginning; one set with an X in the middle; and one set with an X in the end. [X__] [__X]</p>	None

### Stage II Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	3	PE-3: sequencing a series of pictures from information shared in read-alouds, presentations, and conversations.	0	0	MC Orally Administered/ Passage-based: Multiple Choice	Oral [3- to 5- sentence fiction/nonfiction passage or content area text that contains sequence of events]	See TAD	<p>Look at number XX.</p> <p>Look at the pictures and listen to the story.</p> <p>[Three- to five-sentence fiction/nonfiction passage or content-area text that contains sequence of events]</p> <p>Now listen to the story again to answer the question.</p> <p>Which picture shows [question about sequence of events in the passage (first/second) (read to students)]?</p> <p>[Three- to five-sentence fiction/nonfiction passage or content-area text that contains sequence of events]</p> <p>Which picture shows [question about sequence of events in the passage (first/second) (read to students)]?</p> <p>Fill in the circle under the correct picture?</p>	<p>Scored 1</p> <p>GRAPHIC</p> <p>3 OPTIONS</p> <p>[Three pictures related to the passage; only one correctly answers the question.]</p>	IIL.1a
			E-3: sequencing a series of events from information shared in read-alouds, presentations, and conversations, using pictures and key words.	0	0						
			B-3: sequencing a series of events from information shared in read-alouds, presentations, and conversations, using pictures and key words.	3	3						



### Stage II Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Descripti on	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	6	PE-6: following one- or two-step directions for classroom activities that are accompanied by visual cues and gestures.	0	2	MC Orally Administered/ Passage-based: Multiple Choice	Oral [4- to 5- sentence passage/i nstruction s that contains 2- to 3- step directions ]  [Some directions should be content- based.]	See TAD	<p>Look at number XX.</p> <p>Look at the pictures and listen to [the student's/character's] teacher.</p> <p>[Four- to five-sentence passage/instructions that contains 2- to 3-step directions]</p> <p>Now listen to [the student's/character's] teacher again to answer the question.</p> <p>Which picture shows [question about correct steps stated in passage (read to students)]?</p> <p>[Four- to five-sentence passage/instructions that contains 2- to 3-step directions]</p> <p>Which picture shows [question about correct steps stated in passage (read to students)]?</p> <p>Fill in the circle under the correct picture?</p>	<p>Scored 1</p> <p>GRAPHIC</p> <p>3 OPTIONS</p> <p>Three pictures of the same student doing different classroom activities; only one picture correctly answers the question.</p>	II.L.1a II.L.2
			E-6: following two- to three-step directions for classroom activities that are accompanied by visual cues.	0	5						
			B-6: following multiple-step directions for classroom and other activities.	0	1						

### Stage II Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Descripti on	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	6	LI-6: following multiple-step directions which include prepositions.	0	1	MC Orally Administered/ Passage-based: Multiple Choice	Oral  [3- to 5-sentence passage/ instructions that contains multiple-step directions which include prepositions of locations/ direction/ time or "frequency" adverbs]	See TAD	Look at number XX.  Look at the pictures and listen to [the student's/character's] teacher.  [Four- to five-sentence passage/instructions that contains multiple-step directions]  Now listen to [the student's/character's] teacher again to answer the question.  Which picture shows [question about correct steps stated in passage (read to students)]?  [Four- to five-sentence passage/instructions that contains multiple-step directions]  Which picture shows [question about correct steps stated in passage (read to students)]?  Fill in the circle under the correct picture?	Scored 1  GRAPHIC  3 OPTIONS  Three pictures of the same student doing different classroom activities; only one picture correctly answers the question.	II.L.1a II.L.2
			HI-6: following multiple-step directions which include prepositions.	3	4		[Some directions should be content-based.]				

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Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	7	E-7: responding to academic discussions using key words and phrases with instructional support.	1	0	MC Orally Administered/ Passage-based: Multiple Choice	[4- to 5-sentence content area-related passage]	See TAD	<p>Look at number XX.</p> <p>Look at the pictures and listen to story.</p> <p>[Four- to five-sentence content-related passage]</p> <p>Now listen to the story again to answer the question.</p> <p>Which picture shows [question about content-area key word/phrase stated in passage (read to students)]?</p> <p>[Four- to five-sentence content-related passage]</p> <p>Which picture shows [question about content-area key word/phrase stated in passage (read to students)]?</p> <p>Fill in the circle under the correct picture?</p>	<p>Scored 1</p> <p>GRAPHIC</p> <p>3 OPTIONS</p> <p>Three pictures related to the passage; only one answers the question.</p>	II.L.2

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Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	7	B-7: responding to academic questions using key words and phrases.	3	1	MC Orally Administered/ Passage-based: Multiple Choice	[4- to 5-sentence content area-related passage]	See TAD	<p>Look at number XX.</p> <p>Look at the pictures and listen to story.</p> <p>[Four- to five-sentence content-related passage]</p> <p>Now listen to the story again to answer the question.</p> <p>Which picture shows [question about content-area idea/detail/key points stated in passage (read to students)]?</p> <p>[Four- to five-sentence content-related passage]</p> <p>Which picture shows [question about content-area idea/detail/key points stated in passage (read to students)]?</p> <p>Fill in the circle under the correct picture?</p>	<p>Scored 1</p> <p>GRAPHIC</p> <p>3 OPTIONS</p> <p>Three pictures related to the passage; only one answers the question.</p>	II.L.2

### Stage II Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Descripti on	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 1: Print Concepts The student will demonstrate knowledge of print concepts by:	4	E-4: locating and identifying the title, author, and illustrator of a book.	1	1	MC Multiple Choice	GRAPHIC  Front cover of book with title, author's name, illustrator's name, illustration	Look at the book.  [GRAPHIC of front cover of a book.]  What is the [name of author/illustrator/title] of the book?	Look at number XX.  Look at the book.  What is the name of the [name of the author/illustrator/title] of the book?  Fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  (1) title (2) author's name (3) illustrator's name	None
			B-4: locating and identifying the title, author, illustrator, title page, and table of contents of a book.	1	0						
Reading	Standard 1: Print Concepts The student will demonstrate knowledge of print concepts by:	5	LI-5: alphabetizing a series of words to the first letter.	2	2	MC Multiple Choice	None	Which set of words is in ABC order?	Look at number XX.  Which set of words is in ABC order?  Fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  (1) Three words; correct alphabetical order (to the first letter) (2) Same three words; incorrect alphabetical order (3) Same three words; incorrect alphabetical order	None

### Stage II Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 1: Print ConceptsThe student will demonstrate knowledge of print concepts by:	5	HI-5: alphabetizing a series of words to the second letter with instructional support.	0	2	MC Multiple Choice	None	Which set of words is in ABC order?	Look at number XX.Which set of words is in ABC order?Fill in the circle next to the correct answer.	Scored 13 OPTIONS(1) Three words; correct alphabetical order (to the second letter)(2) Same three words; incorrect alphabetical order(3) Same three words; incorrect alphabetical order	None
Reading	Standard 2: Phonemic Awareness The student will demonstrate knowledge of phonemic awareness by:	1	PE-1: identifying the initial and final sound (not letters) of a spoken word.	0	1	MC Multiple Choice	GRAPHIC  Three pictures: (1) picture of a numeral; (2) picture of a letter; (3) picture of a grade- appropriate symbol/punctuat ion mark.	[Three answer- choice GRAPHICS in boxes: one numeral; one letter; and one grade- appropriate symbol/punct uation mark.]	Look at number XX.  Look at the boxes.  Which box has a [numeral/letter/grade- appropriate symbol/punctuation mark]?  Fill in the circle under the box for the correct answer.	Scored 1  3 OPTIONS  Three pictures: (1) picture of a numeral (2) picture of a letter (3) picture of a grade- appropriate symbol/punctuation mark	None

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Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description : Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Reading	<b>Standard 2: Phonemic Awareness</b> The student will demonstrate knowledge of phonemic awareness by:	4	LI-4: segmenting two-syllable words into syllables.	2	1	SA1	GRAPHIC  ORAL  One picture of animal/ object (2-syllable word).	[GRAPHIC of animal/object t]	Look at number XX.  Look at this picture.  Say the two syllables of the word [word for the animal/object].	Scored 1	None
Reading	<b>Standard 2: Phonemic Awareness</b> The student will demonstrate knowledge of phonemic awareness by:	4	HI-4: segmenting multi-syllable words into syllables.	2	2	SA1	GRAPHIC  ORAL  One picture of animal/ object (multi-syllable word).	[GRAPHIC of animal/object t]	Look at number XX.  Look at this picture.  Say the three/four syllables of the word [word for animal/object].	Scored 1	None
Reading	<b>Standard 2: Phonemic Awareness</b> The student will demonstrate knowledge of phonemic awareness by:	5	HI-5: blending syllables to form multi-syllable words, using r-controlled vowel sounds, digraphs, and diphthongs.	0	1	MC  Multiple Choice	None	[One sentence with blank line.]  Which word belongs in the blank?	Look at number XX. [Sentence read to students.]  Which word belongs in the blank?  Fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  Three words; one word fits context and order; two answer choices are incorrect.	II.L1a II.L.1b

## Stage II Reading – AZELLA Item Specifications – Spring 2012 and 2013

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Reading	Standard 2: Phonemic Awareness The student will demonstrate knowledge of phonemic awareness by:	6	E-6: <del>distinguishing spoken rhyming words from non-rhyming words.</del>	0	0	MC Orally Administered/ Multiple Choice	GRAPHIC  Three pictures of person/animal/object/part of body.	[Three answer-choice GRAPHICS of person/animal/object/part of body.]	Look at number XX.  Which word rhymes with [word]? [word for picture A, word for picture B, word for picture C]  Fill in the circle under the picture for the correct answer.	Scored 1  3 OPTIONS  Three pictures of person/animal/object/part of body; only one corresponding word rhymes with the given word.	None
			B-6: identifying rhyming words in response to oral prompt. (What rhymes with hat?).	2	2						
Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	6	LI-6: orally producing rhyming words in response to spoken words.	0	1	SA3 Orally Administered/ Spoken Response	Oral	[List of three two-syllable words.]	Look at number XXX.  Look at the list of words.  Read each word to me.	Scored 0-3	None



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Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	7	PE-7: distinguishing letters from numbers and symbols.	1	2	MC Orally Administered/ Multiple Choice	GRAPHIC  Three pictures: (1) picture of a numeral; (2) picture of a letter; (3) picture of a grade- appropriate symbol.	[Three answer- choice GRAPHICS]  [Three pictures: (1) picture of a numeral; (2) picture of a letter; (3) picture of a grade-appropriate symbol.]	Look at number XX.  Look at these pictures.  Which picture shows a letter/number/symbol?  Fill in the circle under the picture for the correct answer.	Scored 1  3 OPTIONS  Three pictures: (1) picture of a numeral (2) picture of a letter (3) picture of a grade-appropriate symbol	II.L.2
Reading	Decoding The student will demonstrate knowledge of	9	B-9: reading regularly spelled one-syllable words by applying the most common letter- sound correspondences, including the sounds represented by single letters with instructional support.	0	3	SA3 Orally Administered/ Spoken Response	ORAL  [List of three one-syllable above-grade- level words.]	[List of three one- syllable above- grade-level words.]	Look at number XX.  Look at this list of words.  Read each word to me.	Scored 0-3	None
Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	9	LI-9: reading regularly spelled two-syllable words by applying the most common letter-sound correspondences, including the sounds represented by single letters, consonant blends, and consonant/vowel digraphs (th, sh, ck).	2	2	SA3 Orally Administered/ Spoken Response	ORAL  [List of three two-syllable above-grade- level words.]	[List of three two- syllable above- grade-level words.]	Look at number XX.  Look at this list of words.  Read each word to me.	Scored 0-3	None

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Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	9	HI-9: reading regularly spelled multi-syllable words by applying the most common letter- sound correspondences, including the sounds represented by single letters, consonant blends, consonant/vowel digraphs (th, sh, ck) and diphthongs (ea, ie, ee) and r-controlled vowels.	0	3	SA3 Orally Administered/ Spoken Response	ORAL  [List of three multi-syllable above-grade- level words.]	[List of three multi- syllable above- grade-level words.]	Look at number XX.  Look at this list of words.  Read each word to me.	Scored 0-3	None
Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	12	LI-12: identifying base words that have been modified by inflectional endings.	2	2	MC Multiple Choice	None	What is the base word of [one word (underlined) with - s/-ed/-ing ending]?	Look at number XX.  What is the base word of [one word with -s/- ed/-ing ending]?  Fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  Three variations of designated word; only one answer choice is correct base word.	II.L.2

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Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	15	LI-15: using knowledge of word order (syntax) and context to confirm decoding.	0	0	MC Multiple Choice	Sentence with a blank.	[One sentence with a blank line.]  Which word belongs in the blank?	Look at number XX.  [One sentence with blank line read to students.]  Which word belongs in the blank?  Fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  (1) Word that fits context and order (2) Word that fits context, but not order (3) Word that fits order, but not context	II.L.1a
			HI-15: using knowledge of word order (syntax) and context to confirm decoding of text.	2	1						
Reading	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	17	LI-17: identifying a variety of sources (e.g., trade books, magazines, electronic sources, textbooks) that may be used to answer specific questions and/or to gather information with instructional support.	0	1	MC Multiple Choice	None	Which book will give the <b>most</b> information about [topic]?	Look at number XX.  Which book will give the most information about [topic]?  Fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  Three book titles; only one answer choice relates to designated topic.	None
			HI-17: identifying a variety of sources (e.g., trade books, encyclopedias, magazine, electronic sources, and textbooks) that may be used to answer specific questions and/or gather information.	2	2						

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Reading	Standard 4: Comprehending Text  The student will demonstrate knowledge of reading comprehension by:	18	B-18: interpreting signs, labels, symbols and captions within the environment.	0	0	MC Multiple Choice	GRAPHIC  Three pictures of sign/label/symbol.	Which sign means [corresponding meaning]?	Look at number XX.  Which sign means [corresponding meaning]?	Scored 1  3 OPTIONS  Three pictures of sign/label/symbol; only one answer choice is correct.	II.L.2
			LI-18: interpreting signs, labels, symbols and captions within the environment.	0	0			[GRAPHIC of sign/label/symbol]	Fill in the circle under the sign that means [corresponding meaning].		
			HI-18: interpreting signs, labels, symbols and captions within the environment.	1	3						
			B-18: interpreting signs, labels, symbols and captions within the environment.	0	0						
			LI-18: interpreting signs, labels, symbols and captions within the environment.	0	0			What does this sign mean?	Look at number XX.  What does this sign mean?	Scored 1  3 OPTIONS  Three possible meanings of sign/label/symbol; only one answer choice is correct.	
			HI-18: interpreting signs, labels, symbols and captions within the environment.	0	1			[GRAPHIC of sign/label/symbol.]	Fill in the circle next to the correct answer.		

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Reading	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	19	HI-19: locating specific information by using organizational features (e.g., titles, table of contents, heading captions, bold print, glossary, indices) in expository text.	2	2	MC Multiple Choice	GRAPHIC  Table of contents.	Look at the table of contents from a [type of/subject of book].  [GRAPHIC of table of contents]  Which page has information about [topic from categories in table of contents].  [DO NOT TEST GLOSSARY OR INDEX.]	Look at number XX.  Look at the table of contents from a book about [type of/subject of book].  Which page has information about [topic from categories in table of contents]?  Fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  Three page numbers from the table of contents; only one corresponds to designated subject.	None
Reading	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	3	B-3: answering questions (yes/no, who, what, when, which, where, why) about text with instructional support.	2	2	MC Passage-based: Multiple Choice	GRAPHIC  3- to 4-sentence (20 words or less) story or content area text.	[Three- to four-sentence story in text box.]  Which picture shows [detail described in the story]?	Look at number XX.  Read the story and the question.  Then fill in the circle under the picture for the correct answer.	Scored 1  3 OPTIONS  Three pictures of animal/object featured in the story; only one answer choice is correct.	II.L.1a

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Reading: Literary (Fiction) Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	2	LI-2: predicting what might happen next in a reading selection.	3	1	MC Passage-based: Multiple Choice	Literary passage	What will happen next?  What will [character in passage] do next?	Read the story and questions XX and XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  (1) a plausible prediction that is supported by the story (2) a plausible prediction that is not supported by the story (3) a plausible prediction that is not supported by the story	None
		3	LI-3: answering questions about text.	0	1	MC Passage-based: Multiple Choice	Literary passage	Who/What/Where/When/Why/How [question about a detail in the passage]?	Read the story and questions XX and XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  3 words/phrases related to the passage; only one answer choice is correct.	None
Reading: Literary (Fiction) Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:		HI-3: locating facts and answering questions about text.	1	4						

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Reading: Literary (Fiction) Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	9	E-9: identifying the purpose for reading specific books. (e.g., to be entertained, to be informed)	0	0	MC Passage-based: Multiple Choice	Literary passage	Why will a student read the story?	Read the story and questions XX through XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  Three reasons to read the passage; only one answer choice is correct.	None
			B-9: identifying the purpose for reading specific books.	0	0						
			LI-9: identifying the purpose for reading specific books.	0	1						
Reading: Literary (Fiction) Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	10	HI-10: identifying cause and effect of specific events in a literary selection.	1	2	MC Passage-based: Multiple Choice	Literary passage	Why [question asking either the cause or effect of a detail in the story]?	Read the story and questions XX and XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  (1) A correct cause or effect (2) Incorrect cause or effect (3) Incorrect cause or effect	None

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Reading: Literary (Fiction) Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	11	E-11: identifying main characters from a literary selection heard or read.	0	2	MC Passage-based: Multiple Choice	Literary passage	Who is the main character in the story?	Read the story and questions XX and XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1 3 OPTIONS  (1) Main character (2) Minor character (3) Minor character	None
Reading: Literary (Fiction) Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	11	B-11: identifying characters from a literary selection heard or read.	0	1	MC Passage-based: Multiple Choice	Literary passage	Who [detail of character's/characters' action in the story]?	Read the story and questions XX and XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1 3 OPTIONS  Characters from the story; only one answer choice is correct.	None



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Reading: Literary (Fiction) Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	11	LI-11: describing characters from a literary selection.	0	1	MC Passage-based: Multiple Choice	Literary passage	Which word(s) best tell(s) about [character(s) from the story]?	Read the story and questions XX and XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  (1) Trait of identified character (2) Trait of a different character (3) Trait that does not fit identified character	None
			HI-11: describing characters from a literary selection.	2	0						
Reading: Literary (Fiction) Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	12	<del>E-12: identifying the setting from a literary selection heard or read.</del>	<del>0</del>	<del>0</del>	MC Passage-based: Multiple Choice	Literary passage	Where does the story happen?	Read the story and questions XX through XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  Three plausible settings; only one answer choice is correct.	None
			B-12: identifying the setting from a literary selection.	0	1						
			<del>LI-12: describing the setting from a literary selection.</del>	<del>0</del>	<del>0</del>						
			<del>HI-12: describing the setting from a literary selection.</del>	<del>0</del>	<del>0</del>						

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Reading: Literary (Fiction) Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	13	HI-13: summarizing the key events from a literary selection.	0	3	MC Passage-based: Multiple Choice	Literary passage	Which is the best summary of the story?  Which sentence is the best summary of the story?	Read the story and questions XX through XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1 3 OPTIONS (1) summary of the story (2) partial summary of the story (3) partial summary of the story	None
		14	LI-14: identifying the plot (specific events, problem and solution) in a literary selection.  HI-14: identifying and describing the plot in a literary selection.	1 0	0 0	MC Passage-based: Multiple Choice	Literary passage	What is the problem in the story?	Read the story and questions XX and XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1 3 OPTIONS (1) Correct problem (2) Incorrect problem (3) Incorrect problem	None

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Reading: Informational (Nonfiction) Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	3	LI-3: answering questions about text.	0	0	MC Passage-based: Multiple Choice	Informational passage	Who/What/Where/ When/Why/How [question about a detail in the passage]?	Read the story and questions XX through XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  3 words/phrases related to the passage; only one answer choice is correct.	None
			HI-3: locating facts and answering questions about text.	6	1						
Reading: Informational (Nonfiction) Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	7	E-7: identifying the topic from text heard or read.	1	1	MC Passage-based: Multiple Choice	Informational passage	What is the story mostly about?	Read the story and questions XX through XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  (1) topic of the passage (2) detail from the passage (3) detail from the passage	None

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Reading: Informational (Nonfiction) Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	7	HI-7: summarizing the main idea and details from text, using complete sentences.	1	1	MC Passage-based: Multiple Choice	Informational passage	Which is the best summary of the story?	Read the story and questions XX through XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  (1) summary of the passage (2) partial summary of the passage (3) partial summary of the passage	None
Reading: Informational (Nonfiction) Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	LI-8: locating specific information from external text features of text.	0	0	MC Passage-based: Multiple Choice	Informational passage  GRAPHIC Chart/map/diagram/illustration/table/timeline attached to an Informational passage (Nonfiction).	In the picture, [question that only requires the student to locate the answer in the text feature]?	Read the story and questions XX through XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  Three pieces of information from the text feature; only one answer choice is correct.	None

### Stage II Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational (Nonfiction) Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	HI-8: extracting and interpreting specific information from external text features of text.	0	1	MC Passage-based: Multiple Choice	Informational passage  GRAPHIC Chart/map/dia gram/ illustration/tab le/timeline attached to an Informational passage (Nonfiction).	In the picture, [question that only requires the student to locate the answer in the text feature]?	Read the story and questions XX through XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  Three pieces of information from the text feature; only one answer choice is correct.	II.L.2

### Stage II Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Descripti on	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational (Nonfiction) Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	9	E-9: identifying the purpose for reading specific books. (e.g., to be entertained, to be informed)	0	1	MC Passage-based: Multiple Choice	Informational passage	Why will a student read the story?	Read the story and questions XX through XX.  Then, for each question, fill in the circle next to the correct answer.	Scored 1  3 OPTIONS  Three reasons to read the passage; only one answer choice is correct.	None
			<del>B-9: identifying the purpose for reading specific books.</del>	0	0						
			LI-9: identifying the purpose for reading specific books.	1	1						

### Stage II Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	2	LI-2: independently reciting familiar rhymes, songs, chants and text with accurate pronunciation, prosody, and voice projection.	10	6	RP6	n/a	n/a	[sentence for the student to repeat]	Scored 0-6	II.L.1b
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	3	E-3: expressing personal/survival needs and emotions in complete sentences with instructional support.	1	1	RP6	n/a	n/a	[sentence for the student to repeat]	Scored 0-6	II.L.1b
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	5	PE-5: repeating academic questions and responses. (i.e., who, what, where, when).	9	3	RP6	n/a	n/a	[sentence for the student to repeat]	Scored 0-6	II.L.1b

### Stage II Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	5	E-5: asking and responding to academic questions using complete sentences, with instructional support. (i.e., who, what, where, when)	0	0	SA4 OE Orally Administered/Spoken Response	GRAPHIC One picture of an animal(s)/object(s)/ place.	GRAPHIC One picture of animal(s) /object(s)/ place.	Look at number XX.	Scored 0-4	II.L.1b II.L.2
			B-5: asking and responding to academic questions using complete sentences, with instructional support (i.e., who, what, where, when, why, how) (e.g., making comparisons and describing events, etc.).	0	0				Look at the picture.		
			LI-5: asking and responding to academic questions using complete sentences. (i.e., who, what, where, when, why, how, which, whose) (e.g., making comparisons, describing events, agreeing/disagreeing with others, etc.).	2	3				Please answer in complete sentences.		
			E-5: asking and responding to academic questions using complete sentences, with instructional support. (i.e., who, what, where, when)	0	0				Ask me a question about the picture.		
			B-5: asking and responding to academic questions using complete sentences, with instructional support (i.e., who, what, where, when, why, how) (e.g., making comparisons and describing events, etc.).	0	0				Ask me another question about the picture.		
			LI-5: asking and responding to academic questions using complete sentences. (i.e., who, what, where, when, why, how, which, whose) (e.g., making comparisons, describing events, agreeing/disagreeing with others, etc.).	2	3				Tell me what is happening in the picture.		
									Tell me one more thing about the picture.		



### Stage II Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral CommunicationsThe student will communicate orally by:	5	PE-6: responding to social questions with instructional support.	0	0	SA4 OE Orally Administered/ Spoken Response	Oral	n/a	Please answer in complete sentences.  Which/What do/would you [personal/social preference/choice of the student]?  Why do/would you [personal/social preference/choice of the student]?	Scored 0-4	II.L.1b II.L.2
			E-6: asking and responding to social questions using complete sentences with instructional support.	0	0						
			B-6: asking and responding to social questions using complete sentences with instructional support.	0	0						
			LI-6: asking and responding to social questions using complete sentences.	0	0						
			HI-6: asking and responding to social questions using complete sentences.	5	3						
			PE-6: responding to social questions with instructional support.	0	0	SA4 OE [FT SA2 OE] Orally Administered/ Spoken Response			[Statement about preference/choice of (first-person "I") test administrator.]  Ask me a question about [preference/choice of test administrator].	Scored 0-4 [FT Scored 0-2]	
			E-6: asking and responding to social questions using complete sentences with instructional support.	0	0						
			B-6: asking and responding to social questions using complete sentences with instructional support.	0	0						
			LI-6: asking and responding to social questions using complete sentences.	0	0						
			HI-6: asking and responding to social questions using complete sentences.	0	6						

### Stage II Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	7	LI-7: stating multi-step directions or commands that the listener can follow.	0	0	SA4 OE Orally Administered/ Spoken Response	Oral	n/a	Please answer in two or more complete sentences.	Scored 0-4	II.L.1a II.L.1b
			HI-7: stating multi-step directions or commands that the listener can follow.	1	2				How do you [make something/do something]?  Include at least two steps.		
			LI-7: stating multi-step directions or commands that the listener can follow.	0	0		GRAPHIC  Oral	GRAPHIC  Graphic of multi-part setting (e.g., illustrated map of zoo).	Look at number XX.  Look at the [GRAPHIC].		
			HI-7: stating multi-step directions or commands that the listener can follow.	2	1				Please answer in two or more complete sentences.  Use the [part of GRAPHIC] to tell me how to [detail that relates to part of GRAPHIC].		

## Stage II Writing– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description : Options / Rubric	Language Strand Codes
Writing	Standard 1: Writing Applications  The student will express his or her thinking and ideas by using a variety of writing genres, as demonstrated by:	1	E-1: writing key words and simple phrases about an event or character from a story using key words commonly used in the classroom.	0	0	ER3 ER5  Written Response	GRAPHIC  Graphic of a child/children/people engaged in an activity recognizable to grade 1 to 2 students.	Look at the picture.  [GRAPHIC]  Write a story about what you see in the picture.  Be sure to include: <ul style="list-style-type: none"><li>• Characters.</li><li>• Setting.</li><li>• A beginning, a middle, and an end.</li></ul>	n/a	Scored 0-3 [OP] Scored 0-5 [FT]	II.L.1a II.L.1b II.L.2
			B-1: writing a short text about events or characters from familiar stories with instructional support.	0	0						
			LI-1: writing a narrative or short story that includes a main idea, character, setting and a sequence of events with instructional support.	0	0						
			HI-1: writing a narrative or short story that includes a main idea, character, setting and a sequence of events.	2	1						
			E-1: writing key words and simple phrases about an event or character from a story using key words commonly used in the classroom.	0	0		GRAPHIC  Three graphics that tell a story-one graphic showing the first thing that happens, another showing the second thing that happens, and the third that shows the last thing that happens.	Look at the three pictures.  [3 GRAPHICS]  Write a story about what you see in the pictures.  Tell what happens first, what happens next, and what happens last.  Be sure to include: <ul style="list-style-type: none"><li>• Characters.</li><li>• Setting.</li><li>• A beginning, a middle, and an end.</li></ul>			
			B-1: writing a short text about events or characters from familiar stories with instructional support.	0	0						
			LI-1: writing a narrative or short story that includes a main idea, character, setting and a sequence of events with instructional support.	0	0						
			HI-1: writing a narrative or short story that includes a main idea, character, setting and a sequence of events.	0	3						

## Stage II Writing– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administratio n Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 1: Writing ApplicationsThe student will express his or her thinking and ideas by using a variety of writing genres, as demonstrated by:	3	B-3: completing a written summary of the key events or ideas of informational text using key words and phrases with instructional support.	0	0	ER3ER5Written Response	GRAPHICGraphic(s) related to a progression (e.g., life cycle of a butterfly) in a content area about which students can write a paragraph.[Parts of the graphic would most likely be labeled.]	Look at the pictures.[GRAPHIC]Describe what the pictures show about the [subject/topic of graphic].Be sure to include:• All the steps.• Details from the pictures.	n/a	Scored 0-3 [OP]Scored 0-5 [FT]	II.L.1aII.L.1b
			LI-3: completing a written summary of the key events or ideas of informational text using simple sentences with instructional support.	0	0						
			HI-3: completing a written summary of the key events or ideas of informational text using simple sentences.	1	0						
			B-3: completing a written summary of the key events or ideas of informational text using key words and phrases with instructional support.	0	0			Look at the three pictures.			
			LI-3: completing a written summary of the key events or ideas of informational text using simple sentences with instructional support.	0	0			[One sentence stating the subject/topic of graphics.]			
			HI-3: completing a written summary of the key events or ideas of informational text using simple sentences.	1	1			Describe [question about the subject/topic of graphics].  Be sure to include: • The main idea. • Key events or details.			

## Stage II Writing– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administratio n Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	3	B-3: using common spelling patterns (i.e., onset and rimes, word families, and CVC words) to spell words.	0	0	MC Multiple Choice	None	Which word is spelled correctly?	n/a	Scored 1 3 OPTIONS (1) Word spelled correctly (2) Word spelled incorrectly (3) Word spelled incorrectly	II.L.1a II.L.2
			LI-3: using common spelling patterns (i.e., onset and rimes, word families, and CVC words) regular plurals and simple suffixes (-ing, -s/es, -ly), to spell words.	0	1						

### Stage II Writing– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	5	LI-5: spelling high frequency words.	1	1	MC Multiple Choice	None	Which word is spelled correctly?	n/a	Scored 1 3 OPTIONS (1) Word spelled correctly. (2) Word spelled incorrectly. (3) Word spelled incorrectly All options are high frequency words.	None
			HI-5: spelling high frequency words.	0	0						
			LI-5: spelling high frequency words.	0	0	MC Multiple Choice	None	Which sentence is correct?	n/a	Scored 1 3 OPTIONS Three homonyms (e.g., their, there, they're), one of which may be misspelled; only one answer choice is correct.	II.L.1a II.L.2
			HI-5: spelling high frequency words.	2	3						

### Stage II Writing– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	6	E-6: using a capital letter for the pronoun "I" and names.	1	1	MC Multiple Choice	None	Which sentence uses capital letters correctly?	n/a	Scored 1 3 OPTIONS (1) Sentence with correct capitalization (2) Same sentence with incorrect capitalization (3) Same sentence with incorrect capitalization	II.L.1a
			<del>B-6: capitalizing the pronoun "I", names, and the first word of a sentence.</del>	0	0						
			LI-6: capitalizing the pronoun "I," the first word of a sentence and proper nouns (names).	0	3						
			HI-6: capitalizing the pronoun "I," the first word of a sentence, proper nouns (names, days, months, and titles).	1	0						

### Stage II Writing– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	7	B-7: using periods, question marks and exclamation points with instructional support.	2	1	MC Multiple Choice	None	Which sentence uses punctuation correctly?	n/a	Scored 1 3 OPTIONS (1) Sentence with correct punctuation (2) Same sentence with incorrect punctuation (3) Same sentence with incorrect punctuation	None
			LI-7: using periods, question marks, exclamation points and commas for items in a series (e.g., eggs, milk, bread, bananas, etc.) with instructional support.	0	0						
			HI-7: using periods, question marks, exclamation points, commas for items in a series (e.g., eggs, milk, bread, bananas etc.), and apostrophes (possessives, contractions).	0	2						



### Stage II Writing– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	9	E-9: using verb tenses (i.e., simple-present and present progressive) in a variety of writing applications with instructional support.	1	0	MC Multiple Choice	None	Which sentence is correct?	n/a	Scored 1 3 OPTIONS (1) Sentence with correct tense (2) Same sentence with incorrect tense (3) Same sentence with incorrect tense	II.L.1a II.L.1b
			B-9: using verb tenses (i.e., simple-present, past, future; present progressive) in a variety of writing applications with instructional support.	2	0						
			LI-9: using verb tenses (i.e., simple-present, past, future; present and past progressive) in a variety of writing, with instructional support.	1	0						

### Stage II Writing– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	10	E-10: using subject-verb agreement in sentences in a variety of writing applications with instructional support.	0	0	MC Multiple Choice	None	Which sentence is correct?	n/a	Scored 1  3 OPTIONS  (1) Simple sentence with correct subject-verb agreement (boy runs)  (2) Same sentence with incorrect subject-verb agreement (boy run)  (3) Same sentence with incorrect subject-verb agreement (boy running)	II.L.1a II.L.1b
			B-10: using subject-verb agreement in sentences in a variety of writing applications with instructional support.	4	0						
			LI-10: using subject-verb agreement in sentences in a variety of writing applications with instructional support.	2	0						
			HI-10: using subject-verb agreement in sentences in a variety of writing applications with instructional support.	1	1						

### Stage II Writing– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	11	B-11: using noun and/or prepositional phrases in sentences.	3	4	MC Multiple Choice	None	Which sentence is correct?	n/a	Scored 1 3 OPTIONS (1) Sentence with correct phrase (2) Same sentence with incorrect phrase (3) Same sentence with incorrect phrase	II.L.1a II.L.1b
			LI-11: using noun, adverbial and/or prepositional phrases in sentences.	0	1						
			HI-11: using noun, adverbial and/or prepositional phrases in sentences.	1	0						

### Stage II Writing– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	Standard	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Test Administration Directions (TAD)	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 3: Writing Process Students use the steps of the writing process as a writing piece moves toward completion as demonstrated by:	1	LI-1: generating ideas through teacher-led prewriting activities (e.g., graphic organizers, etc.) and student recording of the ideas.	0	0	MC Multiple Choice	GRAPHIC	Look at the web/chart.	n/a	Scored 1  3 OPTIONS	None
			HI-1: generating ideas through student-led prewriting activities (e.g., advanced graphic organizers, etc.) and student recording of the ideas.	0	2		Story or concept web/chart; blank line in one section of the web/chart.	[GRAPHIC of story/concept web/chart]  Which word[s]/sentence[s] belong[s] on the blank line in the web/chart?		Three word[s]/sentence[s]; only one answer choice fits the context of the web/chart.	

## Stage III Test Specifications by Domain

### AZELLA Item Specifications Description and Key

These Post-Development Item Specifications were based on the August 2011 Item Specifications utilized for the development phase of the AZELLA Assessments. They have been updated to reflect what was administered on the following assessments:

Stages II-V Fall 2011 Field Test

Stage I Spring 2012 Field Test

Stage I-V Spring 2013 Operational Test (with some embedded field test at Stages I and V)

Thinking on item specifications evolved since August 2011. This resulted in two types of changes:

- |            |   |
|------------|---|
| ADDED      | 1. Some assessable areas were added (indicated in PINK) in the documents.   |
| NOT TESTED | 2. Some assessable areas were not ultimately field tested (indicated in strikethrough and gray in the Item Specifications). |

Development counts for these administrations have been added to the Item Specifications in two columns.

The column "Op count" is the number of operational items on the 2013 operational test.

The column "FT only count" includes the number of field test items from 2011, 2012, or 2013 that have not been used operationally.

An asterisk denotes the count of the items embedded as field test in 2013 (applicable to Stage I and V only).

	We have highlighted in yellow the cells where a miscoding of field test items may have occurred in 2013, possibly due to the prior renumbering of the PI. This impacts 5 items, all field tested in 2013, all in Stage I Listening.
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### Stage III Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	1	PE-1: distinguishing between phonemes in the initial and/or final positions of words.	0	0	MC Orally Administered/ Multiple Choice	GRAPHIC Four graphics as answer choices.  Oral	Look at number XX.  Look at the pictures.  Listen to the words:  [Words for picture 1, picture 2, picture 3, picture 4.]	Scored 1  GRAPHIC  4 OPTIONS  Four pictures of four different objects; only one picture corresponds to a word with the same first/middle/last sound as designated word.	None
			E-1: distinguishing between phonemes in the initial, medial, and final positions of words.	0	2			Which picture has the same first/middle/last sound as [word]?		
			H-1: distinguishing between phonemes in the initial, medial, and final positions of words, phrases and sentences.	6	0			Listen to the words again:  [Words for picture 1, picture 2, picture 3, picture 4.]  Which picture has the same first/middle/last sound as [word]?		
								Mark your answer.		

### Stage III Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	2	B-2: responding to read alouds (fiction and nonfiction) by identifying main ideas/concepts and supporting details in complete sentences.	6	0	MC Orally Administered/ Passage-based: Multiple Choice	Oral [30- to 40-word passage with three sequenced events.]	<p>Look at number XX.</p> <p>Listen to the passage.</p> <p>[30- to 40-word fiction/nonfiction passage]</p> <p>Now listen to the passage again to answer the question.</p> <p>[question about main idea/concept/supporting detail (read to students)]</p> <p>[30- to 40-word fiction/nonfiction passage]</p> <p>[question about main idea/concept/supporting detail (read to students)]</p> <p>Listen to the answer choices.</p> <p>The answer choices are [four answer choices (read to students)].</p> <p>Mark your answer.</p>	<p>Scored 1</p> <p>4 OPTIONS</p> <p>Four phrases or sentences; only one is correct.</p>	None

### Stage III Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral CommunicationsThe student will demonstrate understanding of oral communications by:	3	PE-3: sequencing a series of pictures from information shared in read-alouds, presentations and conversations.	1	2	MC Orally Administered/Passage-based:Multiple Choice	GRAPHICFour graphics as answer choices.	Look at number XX.  Look at the pictures and listen to the passage.  [20- to 30-word fiction/nonfiction passage with three clearly sequenced events]	Scored 1  GRAPHIC  4 OPTIONS  Four pictures; only one is correct.	III.L.1a
			E-3: using pictures and key words to sequence a series of events from information shared in read-alouds, presentations and conversations.	1	1		Oral [20- to 30-word passage with three clearly sequenced events.]  Which picture shows what [character's action in sequence in passage (first/second/now/after)]?  [20- to 30-word fiction/nonfiction passage with three clearly sequenced events]  Which picture shows what [character's action in sequence in passage (first/second/now/after)]?  Mark your answer.			



### Stage III Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	3	HI-3: sequencing events from read-alouds, presentations and conversations in complete sentences.	2	0	MC Orally Administered/ Passage-based: Multiple Choice	Oral [30- to 40- word passage with multiple clearly sequenced events.]	<p>Look at number XX.</p> <p>Listen to the passage.</p> <p>[30- to 40-word fiction/nonfiction passage with multiple clearly sequenced events]</p> <p>Now listen to the passage again to answer the question.</p> <p>[question about character's action in sequence in passage (first/second/now/after) (read to students)]</p> <p>[30- to 40-word fiction/nonfiction passage with multiple clearly sequenced events]</p> <p>[question about character's action in sequence in passage (first/second/now/after) (read to students)]</p> <p>Listen to the answer choices.</p> <p>The answer choices are [four answer choices (read to students)].</p> <p>Mark your answer.</p>	<p>Scored 1</p> <p>4 OPTIONS</p> <p>Four phrases or sentences; only one is correct.</p>	III.L.1a

### Stage III Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	6	B-6: responding to comprehension questions by comparing concepts and related facts using academic vocabulary.	2	4	MC Orally Administered/ Passage-based: Multiple Choice	Oral [40-word passage that makes a comparison]	<p>Look at number XX.</p> <p>Listen to the passage.</p> <p>[40-word passage that makes a comparison]</p> <p>Now listen to the passage again to answer the question.</p> <p>[question requiring comparison of concepts/related facts in passage (read to students)]</p> <p>[40-word passage that makes a comparison]</p> <p>[question requiring comparison of concepts/related facts in passage (read to students)]</p> <p>Listen to the answer choices.</p> <p>The answer choices are [four answer choices (read to students)].</p> <p>Mark your answer.</p>	<p>Scored 1</p> <p>4 OPTIONS</p> <p>Four phrases or sentences; only one is correct.</p>	None

### Stage III Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	6	LI-6: responding to comprehension questions by analyzing the content for relationships among facts, ideas or events using appropriate academic vocabulary. (e.g., problem/solution, cause/effect, compare/contrast, chronological order, sequencing, etc.)	1	1	MC Orally Administered/ Passage-based: Multiple Choice	Oral [50-word passage that shows a relationship among facts/ideas/events]	<p>Look at number XX.</p> <p>Listen to the passage.</p> <p>[50-word passage that shows relationships among facts/ideas/events]</p> <p>Now listen to the passage again to answer the question.</p> <p>[question requiring identification of a relationship between facts/ideas/events in passage (read to students)]</p> <p>50-word passage that shows relationships among facts/ideas/events]</p> <p>[question requiring identification of a relationship between facts/ideas/events in passage (read to students)]</p> <p>Listen to the answer choices.</p> <p>The answer choices are [four answer choices (read to students)].</p> <p>Mark your answer.</p>	<p>Scored 1</p> <p>4 OPTIONS</p> <p>Four phrases or sentences; only one is correct.</p>	None

### Stage III Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	7	E-7: following one- or two-step/directions/commands.	1	0	MC Orally Administered/ Passage-based: Multiple Choice	<p>GRAPHIC Four graphics as answer choices.</p> <p>Oral [30- to 40-word passage/instructions/announcement that includes one- or two-step directions/commands]</p>	<p>Look at number XX.</p> <p>Look at the pictures and listen to the passage.</p> <p>[30- to 40-word passage/instructions/announcement that includes one- or two-step directions/commands]</p> <p>Now listen to the passage again to answer the question.</p> <p>Which picture shows [question about one step stated in passage/instructions/announcement (read to students)]?</p> <p>[30- to 40-word passage/instructions/announcement that includes one- or two-step directions/commands]</p> <p>Which picture shows [question about one step stated in passage/instructions/announcement (read to students)]?</p> <p>Mark your answer.</p>	<p>Scored 1</p> <p>GRAPHIC</p> <p>4 OPTIONS</p> <p>Four pictures; only one is correct.</p>	None

## Stage III Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	7	B-7: following multi-step directions/ instructions containing compound prepositions.	1	1	MC Orally Administered/Passage-based: Multiple Choice	<p>GRAPHIC Four graphics as answer choices.</p> <p>Oral [30- to 40-word passage/instructions/ announcement that includes multi-step directions/actions containing compound prepositions]</p>	<p>Look at number XX.</p> <p>Look at the pictures and listen to the passage.</p> <p>[30- to 40-word passage/instructions/announcement that includes multi-step directions/actions containing compound prepositions ]</p> <p>Now listen to the passage again to answer the question.</p> <p>Which picture shows [question about one step stated in passage/instructions/announcement (read to students)]?</p> <p>[30- to 40-word passage/instructions/announcement that includes multi-step directions/actions containing compound prepositions ]</p> <p>Which picture shows [question about one step stated in passage/instructions/announcement (read to students)]?</p> <p>Mark your answer.</p>	<p>Scored 1</p> <p>GRAPHIC</p> <p>4 OPTIONS</p> <p>Four pictures; only one is correct.</p>	None
				1	0		<p>Oral [30- to 40-word passage/instructions/ announcement that includes multi-step directions/instructions/ actions containing compound prepositions]</p>	<p>Look at number XX.</p> <p>Listen to the passage.</p> <p>[30- to 40-word passage/instructions/announcement that includes multi-step directions/actions containing compound prepositions ]</p> <p>Now listen to the passage again to answer the question.</p> <p>[question about one step stated in passage/instructions/ announcement (read to students)]</p> <p>[30- to 40-word passage/instructions/announcement that includes multi-step directions/actions containing compound prepositions ]</p> <p>[question about one step stated in passage/instructions/ announcement (read to students)]</p> <p>Listen to the answer choices.</p> <p>The answer choices are [four answer choices (read to students)].</p> <p>Mark your answer.</p>	<p>Scored 1</p> <p>4 OPTIONS</p> <p>Four phrases or sentences; only one is correct.</p>	

## Stage III Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	7	LI-7: following multi-step directions/ instructions containing prepositions and "frequency" adverbs (e.g., Never use a pen.).	1	1	MC Orally Administered/Passage-based: Multiple Choice	<p>GRAPHIC Four graphics as answer choices.</p> <p>Oral [30- to 40-word passage/instructions/ announcement that includes multi-step directions/instructions/ actions that include prepositions of time/location/ movement]</p>	<p>Look at number XX.</p> <p>Look at the pictures and listen to the passage.</p> <p>[30- to 40-word passage/instructions/announcement that includes multi-step directions/actions containing compound prepositions of time/location/movement]</p> <p>Now listen to the passage again to answer the question.</p> <p>Which picture shows [question about one step stated in passage/instructions/announcement (read to students)]?</p> <p>[30- to 40-word passage/instructions/announcement that includes multi-step directions/actions containing compound prepositions of time/location/movement]</p> <p>Which picture shows [question about one step stated in passage/instructions/announcement (read to students)]?</p>	<p>Scored 1</p> <p>GRAPHIC</p> <p>4</p> <p>OPTIONS</p> <p>Four pictures; only one is correct.</p>	III.L.1a
				1	2		<p>Oral [30- to 40-word passage/instructions/ announcement that includes multi-step directions/instructions/ actions that include prepositions of time/location/ movement]</p>	<p>Mark your answer.</p> <p>Look at number XX.</p> <p>Listen to the passage.</p> <p>[30- to 40-word passage/instructions/announcement that includes multi-step directions/actions containing compound prepositions of time/location/movement]</p> <p>Now listen to the passage again to answer the question.</p> <p>[question about one step stated in passage/instructions/ announcement (read to students)]</p> <p>[30- to 40-word passage/instructions/announcement that includes multi-step directions/actions containing compound prepositions of time/location/movement]</p> <p>[question about one step stated in passage/instructions/ announcement (read to students)]</p> <p>Listen to the answer choices.</p> <p>The answer choices are [four answer choices (read to students)].</p> <p>Mark your answer.</p>	<p>Scored 1</p> <p>4</p> <p>OPTIONS</p> <p>Four phrases; only one is correct.</p>	

### Stage III Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	7	HI-7: following multi-step procedures or processes containing specific academic/content vocabulary. (e.g., steps to complete authentic classroom tasks such as: science lab, math problem, recipe, rules of a game, etc.).	1	0	MC Orally Administered/ Passage-based: Multiple Choice	Oral [30- to 40-word passage/instructions/ announcements/ announcement that includes multi-step directions/instructions/ actions that contain specific academic/ content vocabulary]	<p>Look at number XX.</p> <p>Listen to the passage.</p> <p>[30- to 40-word passage/instructions/announcement that includes multi-step directions/actions containing specific academic/content vocabulary]</p> <p>Now listen to the passage again to answer the question.</p> <p>[question about one step stated in passage/instructions/ announcement (read to students)]</p> <p>[30- to 40-word passage/instructions/announcement that includes multi-step directions/actions containing specific academic/content vocabulary]</p> <p>[question about one step stated in passage/instructions/ announcement (read to students)]</p> <p>Listen to the answer choices.</p> <p>The answer choices are [four answer choices (read to students)].</p> <p>Mark your answer.</p>	<p>Scored 1</p> <p>4 OPTIONS</p> <p>Four phrases; only one is correct.</p>	III.L.1a

### Stage III Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 1: Print Concepts The student will demonstrate knowledge of print concepts by:	3	B-3: identifying specific information by using the organizational features of a book, a dictionary and a newspaper (e.g., title, author, table of contents and glossary).	1	3	MC Multiple Choice	GRAPHIC  Table of contents, glossary, dictionary entry	Look at the [table of contents/glossary/dictionary].  [GRAPHIC OF ENTRY]  Which [specific information related to entry].	Scored 1  4 OPTIONS  Four pieces of information from the stimulus; only one answer choice is correct.	None
Reading	Standard 1: Print Concepts The student will demonstrate knowledge of print concepts by:	4	PE-4: alphabetizing a series of words to the first letter.	0	1	MC Multiple Choice	None	Which set of words is in alphabetical order?	Scored 1  4 OPTIONS  Each answer choice contains same set of four words; only one answer choice contains set of four words in correct alphabetical order (to the first letter).	None
Reading	Standard 1: Print Concepts The student will demonstrate knowledge of print concepts by:	4	PE-4: alphabetizing a series of words to the second letter.	0	0	MC Multiple Choice	None	Which set of words is in alphabetical order?	Scored 1  4 OPTIONS  Each answer choice contains same set of four words; only one answer choice contains set of four words in correct alphabetical order (to the second letter).	None



### Stage III Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 1: Print Concepts The student will demonstrate knowledge of print concepts by:	4	B-4: alphabetizing a series of words to the third letter.	0	1	MCMultiple Choice	None	Which set of words is in alphabetical order?	Scored 14 OPTIONSEach answer choice contains same set of four words; only one answer choice contains set of four words in correct alphabetical order (to the third letter).	None
Reading	Standard 1: Print Concepts The student will demonstrate knowledge of print concepts by:	4	<del>LI-4: alphabetizing a series of words.</del>	0	0	MC Multiple Choice	None	Which set of words is in alphabetical order?	Scored 1 4 OPTIONS Each answer choice contains same set of four words; only one answer choice contains set of four words in correct alphabetical order (to the third letter).	None
			LI-4: alphabetizing a series of words.	2	0					
			<del>LI-4: alphabetizing a series of words.</del>	0	0		List of 6 words	Read the list of words. [List of six words.]	Scored 1 4 OPTIONS	
			HI-4: alphabetizing a series of words.	0	2			If this list were in alphabetical order, which word would be first/last?	Each answer choice contains two words; only one answer choice contains correct first/last two words in alphabetical order.	

### Stage III Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 2: Phonemic Awareness The student will demonstrate knowledge of phonemic awareness by:	3	E-3: segmenting multi-syllabic words into syllables. (/but/ter/fly/)	0	5	SA1 Orally Administered/ Spoken Response	ORAL GRAPHIC  Picture of an animal/ object (two-syllable word)	Look at number XX.  Look at the picture.  [Picture representing two-syllable word]  What is this?  Say the two parts of the word for this picture.	Scored 1	None
			HI-3: segmenting syllables in multi-syllabic words.	2	2		Oral GRAPHIC  Picture of an animal/ object (three- to four- syllable word).	Look at number XX.  Look at the picture.  [Picture representing three-to-four-syllable word]  What is this?  Say the three/four parts of the word for this picture.		

### Stage III Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 2: Phonemic Awareness The student will demonstrate knowledge of phonemic awareness by:	5	E-5: distinguishing spoken rhyming words from non-rhyming words. (e.g., run, sun versus run, man, etc.)	0	0	MC Orally Administered/ Multiple Choice	Oral GRAPHIC  Four pictures of animals/objects (three-to four-syllable words) as answer choices.	Look at number XX.  Which word rhymes with [word]?  [Word for picture 1, word for picture 2, word for picture 3, word for picture 4.]  Fill in the circle under the picture for the correct answer.	Scored 1  4 OPTIONS  Four pictures of animals/objects as answer choices; only one word representing one picture rhymes with the given word.	None
			B-5: selecting rhyming words in response to an oral prompt. (What rhymes with hat? –bat, sad, cat)	2	2					

### Stage III Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	7	E-7: reading regularly spelled two-syllable and compound words including consonant blends. (bl, st, and tr)	0	0	SA1 Orally Administered/ Spoken Response	[List of three above-grade-level two-syllable/compound words (consonant blends bl, st, tr)]	Look at number XX.  Look at the list of words.  [List of three above-grade-level two-syllable words]  Read each word to me.	Scored 1	III.L.2
			B-7: reading regularly spelled two-syllable words and compound words including consonant blends, consonant/vowel digraphs (th, sh, ck) and diphthongs (ea, ie, ee) and r-controlled vowels.	3	2					
			LI-7: reading regularly spelled multi-syllabic and compound words including consonant blends, consonant/vowel digraphs (th, sh, ck) and diphthongs (ea, ie, ee) and r-controlled vowels.	1	3		[List of three above-grade-level multi-syllable words (th, sk, ck, ea, ie, ee, r-controlled vowels)]	Look at number XX.  Look at the list of words.  [List of three above-grade-level two-/three-syllable words]  Read each word to me.		None

### Stage III Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	9	PE-9: identifying base words (walk, clean, dress) that have been modified by inflectional endings.	2	2	MC Multiple Choice	None	What is the base word of [-s/-ed/-ing ending word underlined]?	Scored 1  4 OPTIONS  One correct base word for designated word; three incorrect words.	III.L.2
Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	10	B-10: applying spelling rules for adding suffixes. (e.g., drop the final “e” and add endings; double the final consonant when adding an ending; change the final “y” to “i,” etc.)	2	2	MC Multiple Choice	None	When [-ed/-ing suffix underlined] is added to [base word underlined], what is the correct spelling of the new word?	Scored 1  4 OPTIONS  One correct spelling of the base word with the added suffix; three incorrect words.	III.L.1a III.L.2

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	13	B-13: recognizing and using word order (syntax).	0	0	MC Multiple Choice	Sentence with a blank	[One sentence with blank line.]  Which word belongs in the blank?	<p>Scored 1</p> <p>4 OPTIONS</p> <p>(1) Word that fits context and order (2) Word that fits context, but not order (3) Word that fits order, but not context (4) Word that does not fit order or context</p> <p>May include interrogatory sentences.</p>	III.L.1a III.L.1b
			L1-13: using word order (syntax).	0	0					
			HI-13: using word order (syntax).	1	4					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format/ Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	2	B-2: predicting what might happen next in a reading selection.	1	0	MC Passage-based: Multiple Choice	Literary reading passage	If the passage continues, what will [something in passage] [most likely do/happen] next?	Scored 1  4 OPTIONS  One correct answer choice contains a plausible prediction supported by the passage; three answer choices contain implausible predictions.	None
			<del>LI-2: predicting what might happen next in a reading selection.</del>	0	0					
			HI-2: generating and confirming predictions about text for accuracy.	0	2					
			<del>B-2: predicting what might happen next in a reading selection.</del>	0	0					
			<del>LI-2: predicting what might happen next in a reading selection.</del>	0	0					
			HI-2: generating and confirming predictions about text for accuracy.	0	1					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	3	B-3: answering literal (i.e., Yes/No, who, what, where, when, why, which and how) questions about text.	0	0	MC Passage-based: Multiple Choice	Literary reading passage	[Who/what/where/when/why/which/how literal question about the passage.]  [May include vocabulary questions.]	Scored 1  4 OPTIONS	III.L.2
			LI-3: answering literal (i.e., Yes/No, who, what, where, when, why, which and how) and/or personal response questions about text.	0	0					
			HI-3: answering literal (i.e., Yes/No, who, what, where, when, why, which and how) and/or personal response questions about text.	0	2					



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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	E-8: identifying signal words that indicate sequential/chronological order (i.e., first, next, finally).	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Which word[s] from the passage signal[s] when something happens/happened/will happen?	Scored 1 4 OPTIONS	None
			B-8: locating sequential/chronological order signal words (i.e., first, next, finally, today, now) in text.	0	0					
			LI-8: locating sequential/chronological order signal words (i.e., first, next, finally today, now, meanwhile, not long ago) in text.	0	0					
			HI-8: locating sequential/chronological order signal words (i.e., first, next, finally today, now, meanwhile, not long ago) in text.	0	1					
			E-8: identifying signal words that indicate sequential/chronological order (i.e., first, next, finally).	0	0					
			B-8: locating sequential/chronological order signal words (i.e., first, next, finally, today, now) in text.	0	0			Read the sentence from the passage. [Quoted text from passage in boldface]		
			LI-8: locating sequential/chronological order signal words (i.e., first, next, finally today, now, meanwhile, not long ago) in text.	0	0			Which word[s] signal[s] time order/when something happens/happened/will happen?		
			HI-8: locating sequential/chronological order signal words (i.e., first, next, finally today, now, meanwhile, not long ago) in text.	0	0					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	B-9: identifying signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Which word[s] from the passage signal[s] a comparison/contrast?	Scored 1 4 OPTIONS	None
			LI-9: locating signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0					
			HI-9: locating signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0					
			B-9: identifying signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0			Read the sentence from the passage.		
			LI-9: locating signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0			[Quoted text from passage in boldface]		
			HI-9: locating signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0			Which word[s] from the sentence signal[s] a comparison/contrast?		

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	10	B-10: identifying signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Which word[s] from the passage signal[s] cause and effect?	Scored 1 4 OPTIONS	None
			LI-10: locating signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)	0	0					
			HI-10: locating signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)	0	0					
			B-10: identifying signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)	0	0			Read the sentence from the passage.		
			LI-10: locating signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)	0	0			[Quoted text from passage in boldface]		
			HI-10: locating signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)	0	0			Which word[s] from the sentence signal[s] cause and effect?		

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	11	B-11: identifying the author's purpose for writing a book. (i.e., to entertain, to inform, to persuade)	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Why did the author write the passage?	Scored 1 4 OPTIONS	None
			L-11: identifying the author's purpose for writing a book. (i.e., to entertain, to inform, to persuade)	0	0					
			HI-11: identifying the author's purpose for writing a book. (i.e., to entertain, to inform, to persuade)	0	1					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	12	<del>B-12: identifying the cause and effect relationship of two related events in a literary selection.</del>	0	0	MC Passage-based: Multiple Choice	Literary reading passage	What is caused by [cause and effect occurrence in the text]?	Scored 1 4 OPTIONS	None
			<del>LI-12: identifying the cause and effect relationship of two related events in a literary selection.</del>	0	0					
			<del>HI-12: identifying the cause and effect relationship of two related events in a literary selection.</del>	0	0					
			<del>B-12: identifying the cause and effect relationship of two related events in a literary selection.</del>	0	0					
			<del>LI-12: identifying the cause and effect relationship of two related events in a literary selection.</del>	0	0			Why was [cause and effect occurrence in the text]?		
			HI-12: identifying the cause and effect relationship of two related events in a literary selection.	1	1			What caused/was a result of [cause and effect occurrence in the text]?		

### Stage III Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	13	B-13: drawing conclusions from information implied or inferred in a literary selection.	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Which conclusion can be made at the end of the passage?	Scored 1  4 OPTIONS	III.L.2
			LI-13: drawing conclusions from information implied or inferred in a literary selection.	0	0					
			HI-13: drawing conclusions from information implied or inferred in a literary selection.	1	0					
			B-13: drawing conclusions from information implied or inferred in a literary selection.	0	0			Read the phrase/sentence from [part of passage].		
			LI-13: drawing conclusions from information implied or inferred in a literary selection.	0	0			[Quoted text from passage in boldface.]		
			HI-13: drawing conclusions from information implied or inferred in a literary selection.	1	0			What does this phrase/sentence mean?  [May include figurative language questions.]		

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Reading: L Reading: Literary Passage (Fiction)	Standard 4: reading comprehension by:	14	B-14: identifying characters and their traits within a fictional text.	0	2	MC Passage-based: Multiple Choice	Literary reading passage	Which word best describes [character]?  [Other questions that require an identification of characters or their traits.]	Scored 1  4 OPTIONS	None
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	14	<del>LI-14: describing the characters' traits and their motivations within a fictional text.</del>	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Which word best describes [character] [at some point in passage]?	Scored 1  4 OPTIONS	None
			HI-14: describing the characters' traits and their motivations within a fictional text.	1	1					
			<del>LI-14: describing the characters' traits and their motivations within a fictional text.</del>	0	0			What is the most likely reason [character] [does something in the text]?		
			HI-14: describing the characters' traits and their motivations within a fictional text.	1	0			[Focus on character's motivations.]		

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Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	16	LI-16: identifying the plot (specific events, problems and solutions) from a fictional text.	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Question about literary element of the plot (specific event/problems/solutions) of the passage.	Scored 1 4 OPTIONS	None
			HI-16: identifying and describing the plot (specific events, problems and solutions) from a fictional text.	0	1					
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	17	PE-17: relating illustrations to fictional text.	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Which part of the passage does the illustration help the reader understand?	Scored 1 4 OPTIONS	None
			E-17: relating illustrations to fictional text.	0	0					
			B-17: relating illustrations to fictional text.	0	0					
			LI-17: relating illustrations to fictional text.	0	0					
			HI-17: relating illustrations to fictional text.	1	1					



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Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	18	B-18: comparing and contrasting two characters within a fictional text.	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Question that requires students to compare or contrast two characters in the passage.	Scored 1 4 OPTIONS	None
			LI-18: comparing and contrasting two characters within a fictional text.	0	0					
			HI-18: comparing and contrasting two characters within a fictional text.	0	1					
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	3	B-3: answering literal (i.e., Yes/No, who, what, where, when, why, which and how) questions about text.	0	0	MC Passage-based: Multiple Choice	Informational reading passage	[Who/what/where/when/why /which/how literal question about the passage.]	Scored 1 4 OPTIONS	III.L.2
			LI-3: answering literal (i.e., Yes/No, who, what, where, when, why, which and how) and/or personal response questions about text.	0	0					
			HI-3: answering literal (i.e., Yes/No, who, what, where, when, why, which and how) and/or personal response questions about text.	5	5					

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Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	7	B-7: identifying the main idea and two-to-three details from text.	1	1	MC Passage-based: Multiple Choice	Informational reading passage	What is the main idea of the passage?	Scored 1 4 OPTIONS	None
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	7	LI-7: summarizing the main idea and supporting details from text.	0	0	MC Passage-based: Multiple Choice	Informational reading passage	Which is the best summary of the passage?	Scored 1 4 OPTIONS	None
			HI-7: summarizing the main idea and supporting details from text using appropriate academic vocabulary.	1	0					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	E-8: identifying signal words that indicate sequential/chronological order (i.e., first, next, finally).	0	0	MC Passage-based: Multiple Choice	Informational reading passage	Which word[s] from the passage signal[s] when something happens/happened/will happen?	Scored 1 4 OPTIONS	III.L.1a
			B-8: locating sequential/ chronological order signal words (i.e., first, next, finally, today, now) in text.	0	0					
			LI-8: locating sequential/ chronological order signal words (i.e., first, next, finally today, now, meanwhile, not long ago) in text.	0	0					
			HI-8: locating sequential/ chronological order signal words (i.e., first, next, finally today, now, meanwhile, not long ago) in text.	1	0					
			E-8: identifying signal words that indicate sequential/chronological order (i.e., first, next, finally).	0	0					
			B-8: locating sequential/ chronological order signal words (i.e., first, next, finally, today, now) in text.	0	0			Read the sentence from the passage.		
			LI-8: locating sequential/ chronological order signal words (i.e., first, next, finally today, now, meanwhile, not long ago) in text.	0	0			[Quoted text from passage in boldface]		
			HI-8: locating sequential/ chronological order signal words (i.e., first, next, finally today, now, meanwhile, not long ago) in text.	0	0			Which word[s] signal[s] time order/when something happens/happened/will happen?		

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	9	B-9: identifying signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0	MC Passage-based: Multiple Choice	Informational reading passage	Which word[s] from the passage signal[s] a comparison/contrast?	Scored 1 4 OPTIONS	None
			LI-9: locating signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0					
			HI-9: locating signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0					
			B-9: identifying signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	1	0			Read the sentence from the passage.		
			LI-9: locating signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0			[Quoted text from passage in boldface]		
			HI-9: locating signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	1			Which word[s] from the sentence signal[s] a comparison/contrast?		

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Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	10	<del>B-10: identifying signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)</del>	0	0	MC Passage-based: Multiple Choice	Informational reading passage	Which word[s] from the passage signal[s] cause and effect?	Scored 1 4 OPTIONS	None		
			LI-10: locating signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)	1	0							
			HI-10: locating signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)	1	1			Read the sentence from the passage.  [Quoted text from passage in boldface]  Which word[s] from the sentence signal[s] cause and effect?				
			<del>B-10: identifying signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)</del>	0	0							
			<del>LI-10: locating signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)</del>	0	0							
			HI-10: locating signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)	1	1							

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Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	11	B-11: identifying the author's purpose for writing a book. (i.e., to entertain, to inform, to persuade)	0	0	MC Passage-based: Multiple Choice	Informational reading passage	Why did the author write the passage?	Scored 1 4 OPTIONS	None
			LI-11: identifying the author's purpose for writing a book. (i.e., to entertain, to inform, to persuade)	1	0					
			HI-11: identifying the author's purpose for writing a book. (i.e., to entertain, to inform, to persuade)	1	2					
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	20	HI-20: applying understanding of content vocabulary within math, science and social studies texts.	1	0	MC Passage-based: Multiple Choice	Informational reading passage	What does the word [content vocabulary word underlined] mean as it is used in the passage?	Scored 1 4 OPTIONS	III.L.2

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Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	24	LI-24: interpreting information from external text in nonfiction text for a specific purpose. (e.g., "According to the population map, most people live in the Northeast.")	0	0	MC Passage-based: Multiple Choice	Informational reading passage  GRAPHIC  Map/graph/chart/diagram/table/time line attached to an informational reading passage.	[Question requiring an interpretation of information in the external text feature.]	Scored 1 4 OPTIONS	None
			HI-24: interpreting information from external text in nonfiction text for a specific purpose.	1	0					
Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	3	B-3: answering literal (i.e., Yes/No, who, what, where, when, why, which and how) questions about text.	1	0	MC Passage-based: Multiple Choice	Functional reading passage	[Who/what/where/when/why/which/how literal question about the passage.]	Scored 1 4 OPTIONS	III.L.2
			LI-3: answering literal (i.e., Yes/No, who, what, where, when, why, which and how) and/or personal response questions about text.	0	0					
			HI-3: answering literal (i.e., Yes/No, who, what, where, when, why, which and how) and/or personal response questions about text.	1	4					

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Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	7	B-7: identifying the main idea and two to three details from text.	0	0	MC Passage-based: Multiple Choice	Functional reading passage	What is the main idea of the passage?	Scored 1 4 OPTIONS	None
Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	7	LI-7: summarizing the main idea and supporting details from text.	0	0	MC Passage-based: Multiple Choice	Functional reading passage	Which is the best summary of the passage?	Scored 1 4 OPTIONS	None
			HI-7: summarizing the main idea and supporting details from text using appropriate academic vocabulary.	0	0					



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Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	E-8: identifying signal words that indicate sequential/ chronological order (i.e., first, next, finally).	0	0	MC Passage-based: Multiple Choice	Functional reading passage	Which word[s] from the passage signal[s] when something happens/happened/will happen?	Scored 1 4 OPTIONS	III.L.1a
			B-8: locating sequential/chronological order signal words (i.e., first, next, finally, today, now) in text.	0	0					
			LI-8: locating sequential/chronological order signal words (i.e., first, next, finally today, now, meanwhile, not long ago) in text.	0	0					
			HI-8: locating sequential/chronological order signal words (i.e., first, next, finally today, now, meanwhile, not long ago) in text.	1	1					
			E-8: identifying signal words that indicate sequential/ chronological order (i.e., first, next, finally).	0	0					
			B-8: locating sequential/chronological order signal words (i.e., first, next, finally, today, now) in text.	0	0			Read the sentence from the passage.		
			LI-8: locating sequential/chronological order signal words (i.e., first, next, finally today, now, meanwhile, not long ago) in text.	0	0			[Quoted text from passage in boldface]		
			HI-8: locating sequential/chronological order signal words (i.e., first, next, finally today, now, meanwhile, not long ago) in text.	0	0			Which word[s] signal[s] time order/when something happens/happened/will happen?		

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Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	9	B-9: identifying signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0	MC Passage-based: Multiple-Choice	Functional reading passage	Which word[s] from the passage signal[s] a comparison/contrast?	Scored 1 4 OPTIONS	None
			LI-9: locating signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0					
			HI-9: locating signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0					
			B-9: identifying signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0			Read the sentence from the passage.		
			LI-9: locating signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0			[Quoted text from passage in boldface]		
			HI-9: locating signal words that indicate comparison/contrast. (i.e., similarly, on the other hand, however, yet, in spite of)	0	0			Which word[s] from the sentence signal[s] a comparison/contrast?		

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Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	10	B-10: identifying signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)	0	0	MC Passage-based: Multiple Choice	Functional reading passage	Which word[s] from the passage signal[s] cause and effect?	Scored 1 4 OPTIONS	None
			LI-10: locating signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)	0	0					
			HI-10: locating signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)	0	1					
			B-10: identifying signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)	0	0			Read the sentence from the passage.		
			LI-10: locating signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)	0	0			[Quoted text from passage in boldface]		
			HI-10: locating signal words that indicate cause and effect. (i.e., as a result of, consequently, so that, because of, since)	1	0			Which word[s] from the sentence signal[s] cause and effect?		

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Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	11	B-11: identifying the author's purpose for writing a book. (i.e., to entertain, to inform, to persuade)	0	0	MC Passage-based: Multiple Choice	Functional Reading passage	Why did the author write the passage?	Scored 1 4 OPTIONS	None
			LI-11: identifying the author's purpose for writing a book. (i.e., to entertain, to inform, to persuade)	0	0					
			HI-11: identifying the author's purpose for writing a book. (i.e., to entertain, to inform, to persuade)	0	1					
Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	21	B-21: following two to three step written directions to complete task/procedure.	0	0	MC Passage-based: Multiple Choice	Functional reading passage	What does [person doing task] do to complete the [task/procedure]?  [Question about specific step in the task/procedure in the passage.]	Scored 1 4 OPTIONS	None
			LI-21: following multi-step written directions to complete task/procedure.	0	0					
			HI-21: following multi-step written directions to complete task/procedure.	1	1					

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Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	24	LI-24: interpreting information from external text in nonfiction text for a specific purpose. (e.g., "According to the population map, most people live in the Northeast.")	0	0	MC Passage-based: Multiple Choice	Functional reading passage	Question requiring an interpretation of information in the external text feature.	Scored 1 4 OPTIONS	None
			HI-24: interpreting information from external text in nonfiction text for a specific purpose.	0	1		GRAPHIC Map/graph/chart/diagram/table/time line attached to an functional reading passage.			
Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	29	E-29: locating various facts in functional documents in response to questions. (e.g., menus, recipes, invitations, schedules, flyers, graphic organizers, etc.)	0	3	MC Passage-based: Multiple Choice	Functional reading passage	Literal question requiring students to locate information in the passage.	Scored 1 4 OPTIONS	None

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Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	29	LI-29: interpreting information from functional documents for a specific purpose. (e.g., "Which bus do I take to get home by 7pm?")	0	0	MC Passage-based: Multiple Choice	Functional reading passage	Question requiring students to interpret information in the passage.	Scored 1 4 OPTIONS	None
			HI-29: interpreting information from functional documents for a specific purpose. (e.g., "Which bus do I take to get home by 7pm?")	1	2					

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Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	31	B-31: distinguishing fact from opinion in persuasive text. (e.g., advertisements, product labels, written communications, etc.)	0	0	MC Passage-based: Multiple Choice	Functional reading passage that contains persuasive text	Which sentence is/contains an opinion?	Scored 1 4 OPTIONS	None
			LI-31: distinguishing fact from opinion in persuasive text. (e.g., advertisements, product labels, written communications, etc.)	0	0					
			HI-31: distinguishing fact from opinion in persuasive text. (e.g., advertisements, product labels, written communications, etc.)	0	2					
			B-31: distinguishing fact from opinion in persuasive text. (e.g., advertisements, product labels, written communications, etc.)	0	0					
			LI-31: distinguishing fact from opinion in persuasive text. (e.g., advertisements, product labels, written communications, etc.)	0	0					
			HI-31: distinguishing fact from opinion in persuasive text. (e.g., advertisements, product labels, written communications, etc.)	0	0			Which sentence from the passage is a fact?		

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	2	B-2: reciting simple poems and repeated-patterned speech with appropriate rhythm, rate and phrasing.	20	10	RP6	n/a	[sentence for the student to repeat]	Scored 0-6	III.L.1b



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Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	4	B-4: participating in social conversations with familiar and unfamiliar people; sharing personal information, experiences, opinions, abilities, and needs using complete sentences.	0	2	SA4	Oral	Look at number XX.  Follow along as I read the statement. [Statement]  Please answer in complete sentences. Do you agree or disagree with the statement?  Explain why you agree or disagree that [statement].	Scored 0-4	III.L.1b
			B-4: participating in social conversations with familiar and unfamiliar people; sharing personal information, experiences, opinions, abilities, and needs using complete sentences.	0	3			Next, please answer in complete sentences.  [Question or imperative sentence asking for personal information.] [Question asking student to justify response.]		

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Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	4	H-4: participating in socio-functional communication tasks using complete sentences.	1	0	SA4	Oral	Look at number XX. Follow along as I read the statement. [Statement] Please answer in complete sentences. Do you agree or disagree with the statement? Explain why you agree or disagree that [statement].	Scored 0-4	III.L.1b
				2	0			Next, please answer in complete sentences.  [Question or imperative sentence asking for personal information.] [Question asking student to justify response.]		

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	5	E-5: asking and responding to academic questions (who, what, where, when) using complete sentences with instructional support.	0	3	SA4 Orally Administered/ Spoken Response	Oral GRAPHIC	Look at number XX.  Look at the picture.  Please answer in complete sentences. Ask a question about the picture. Ask another question about the picture.	Scored 0-4	III.L.1b
				0	5		Graphic of animal/object/person/event.	Look at number XX.  Look at the picture.  Please answer in complete sentences. What is happening in the picture?  What is another thing you can tell about the picture?		

### Stage III Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	5	B-5: asking and responding to academic questions (who, what, where, when, why, how) using complete sentences (e.g., making comparisons and describing events, etc.) with instructional support.	0	0	SA4 Orally Administered/ Spoken Response	Oral GRAPHIC  Two graphics of animals/objects/ persons/events with similarities and differences.	<p>Look at number XX.</p> <p>Look at the picture.</p> <p><del>Please answer in complete sentences. What is one way the [two things in the picture] are similar? What is another way the [two things in the picture] are similar?</del></p>	Scored 0-4	III.L.1b
			B-5: asking and responding to academic questions (who, what, where, when, why, how) using complete sentences (e.g., making comparisons and describing events, etc.) with instructional support.	0	1			<p>Look at number XX.</p> <p>Look at the pictures.</p> <p>Please answer in complete sentences. What is one way the [two things in the pictures] are different? What is one way the [two things in the pictures] are similar?</p>		

### Stage III Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	5	LI-5: asking and responding to academic questions (who, what, where, when, why, how, which, whose) in complete sentences (e.g., making comparisons, describing events, agreeing/disagreeing with others, etc.)	2	2	SA4 Orally Administered/ Spoken Response	Oral GRAPHIC  Graphic of animal/object/person/event.	Look at number XX.  Look at the [picture/map].  Ask a question about the [picture/map]. Ask another question about the [picture/map].	Scored 0-4	III.L.1b
				2	0			Look at number XX.  Look at the picture.  Please answer in complete sentences. What is happening in the picture?  What is another thing you can tell about the picture?		
				2	0			Look at number XX.  Look at the picture.  Please answer in complete sentences. What is one way the [two things in the picture] are similar? What is another way the [two things in the picture] are similar?		

### Stage III Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	6	<del>B-6: stating two-step directions/ instructions using prepositions of location in complete sentences.</del>	0	0	SA4 Orally Administered/ Spoken Response	Oral	Please answer in two or more complete sentences.	Scored 0-4	III.L.1a III.L.1b
			LI-6: stating multi-step directions/ instructions using prepositions of time, location and movement in complete sentences.	0	1			Tell how to [do something that requires two or more steps and uses prepositions of time, location, and/or movement or academic content vocabulary]. Include at least two steps.		
			HI-6: stating multi-step procedures or processes using specific academic/content vocabulary in complete sentences.	1	0					
			<del>B-6: stating two-step directions/ instructions using prepositions of location in complete sentences.</del>	0	0		GRAPHIC Oral	Look at number XX.		
			LI-6: stating multi-step directions/ instructions using prepositions of time, location and movement in complete sentences.	0	3			Look at the map of [place]. Tell me how to get from [first point] to [second point]. Please answer in complete sentences. Include at least two steps.		
			<del>HI-6: stating multi-step procedures or processes using specific academic/content vocabulary in complete sentences.</del>	0	0					

### Stage III Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	7	<del>E-7: sharing personal experiences/stories using complete sentences with instructional support.</del>	0	0	SA4 Orally Administered/ Spoken Response	Oral	<p>Please answer in two or more complete sentences.</p> <p>Think about a time when [a personal experience/interest/story happened].</p> <p>Tell [one detail from the experience/interest/story, e.g., who/what/when/where/how] and [another detail from the experience/interest/story, e.g., who/what/when/where/how].</p>	Scored 0-4	III.L.1b
			B-7: sharing personal experiences/stories supported by details and examples in complete sentences.	1	1					
			<del>LI-7: sharing personal experiences/stories with descriptive language supported by details and examples in complete sentences.</del>	0	0					
			HI-7: sharing personal experiences/stories with descriptive language supported by details and examples in complete sentences.	1	1					

### Stage III Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Descripti on: Options / Rubric	Langua ge Strand Codes
Writing	Standard 1: Writing Applications  The student will express his or her thinking and ideas by using a variety of writing genres, as demonstrated by:	1	E-1: writing a narrative that includes a main idea, characters, and a sequence of events using appropriate transitional words (i.e., first, next, last), with instructional support.	0	0	ER5 Written Response	GRAPHIC  Graphic of a child/children/people engaged in an activity recognizable to grade 3 to 5 students.	Look at the picture.  [GRAPHIC]	Scored 0-5	III.L.1b
			B-1: writing a narrative paragraph based on imagined or real events that include characters and plot with three or more details using appropriate transitional words, with instructional support.	0	2			On page [page number] of your answer document, write a story about what you see in the picture.		
			H-1: writing one or more narrative paragraphs based on imagined or real events that includes characters, setting, sensory details, appropriate word choice and logical sequencing to develop the plot using transitional words and varied sentence structure.	1	0			Be sure to include: • Characters. • Setting. • A beginning, a middle, and an end.		
			E-1: writing a narrative that includes a main idea, characters, and a sequence of events using appropriate transitional words (i.e., first, next, last), with instructional support.	0	0		GRAPHIC  Three graphics that tell a story--one graphic showing the first thing that happens, another showing the second thing that happens, and the third that shows the last thing that happens.	On page [page number] of your answer document, write a story about what you see in the pictures.		
			B-1: writing a narrative paragraph based on imagined or real events that include characters and plot with three or more details using appropriate transitional words, with instructional support.	0	0			Tell what happened first, what happened next, and what happened last.		
			H-1: writing one or more narrative paragraphs based on imagined or real events that includes characters, setting, sensory details, appropriate word choice and logical sequencing to develop the plot using transitional words and varied sentence structure.	1	0			Be sure to include: • Characters. • Setting. • A beginning, a middle, and an end.		



### Stage III Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 1: Writing Applications The student will express his or her thinking and ideas by using a variety of writing genres, as demonstrated by:	5	LI-5: writing a summary paragraph containing only key ideas and relevant content vocabulary summarizing a variety of text with instructional support. (e.g., word bank, outline, etc.).	0	0	ER5 Written Response	<p>GRAPHIC</p> <p>Graphic(s) related to a progression (e.g., life cycle of a frog) in a content area about which students can write a paragraph.</p> <p>[Parts of the graphic would most likely be labeled.]</p>	<p>Look at the picture of [subject of the graphic].</p> <p>On page [page number] of your answer document, explain what the picture shows about the [statement about the graphic].</p> <p>Be sure to include:</p> <ul style="list-style-type: none"> <li>• All the steps.</li> <li>• Details in the picture.</li> </ul>	Scored 0-5	III.L.1b
			HI-5: writing a summary paragraph containing only key ideas and relevant content vocabulary summarizing a variety of text and of varying length. (e.g., science text chapter, article, book, oral presentations, etc.).	2	0					

### Stage III Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Descripti on: Options / Rubric	Langua ge Strand Codes
Writing	Standard 1: Writing Applications The student will express his or her thinking and ideas by using a variety of writing genres, as demonstrated by:	6	<del>LI-6: writing a variety of functional text that address audience, stated purpose, and context:</del> <ul style="list-style-type: none"> <li><del>• Letters</del></li> <li><del>• Directions</del></li> <li><del>• Graphs/Tables</del></li> <li><del>• Brochures.</del></li> </ul>	0	0	ER5 Written Response	None	<p>[Scenario identifying the audience and the purpose for writing directions for doing something.]</p> <p>On page [page number] of your answer document, write directions explaining [how to do something for the audience].</p> <p>Be sure to include:</p> <ul style="list-style-type: none"> <li>• All the steps.</li> <li>• Details.</li> </ul>	Scored 0-5	III.L.1b
			HI-6: writing a variety of functional text that address audience, stated purpose and context: <ul style="list-style-type: none"> <li>• Letters</li> <li>• Directions</li> <li>• Procedures</li> <li>• Graphs/Tables</li> <li>• Brochures.</li> </ul>	0	3					

### Stage III Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	3	B-3: spelling grade appropriate words (i.e., high frequency, common, homonyms, and plurals).	1	0	MC Multiple Choice	Sentence with a blank	Which word belongs in the blank?  [Sentence with blank space]	Scored 1  4 OPTIONS  One correct word; three homonyms, one or two of which are misspelled (wood, woud, would, wud).	III.L.1a III.L.2
			<del>LI-3: spelling grade appropriate words (i.e., high frequency, common, homonyms, and plurals).</del>	0	0					
			HI-3: spelling grade appropriate words (i.e., high frequency, common, academic, homonyms and plurals).	4	1					
			<del>B-3: spelling grade appropriate words (i.e., high frequency, common, homonyms, and plurals).</del>	0	0		None	Which word is spelled correctly?	Scored 1  4 OPTIONS  One correct word; three common misspellings of the word (common and high frequency words, plurals).	
			<del>LI-3: spelling grade appropriate words (i.e., high frequency, common, homonyms, and plurals).</del>	0	0					
			HI-3: spelling grade appropriate words (i.e., high frequency, common, academic, homonyms and plurals).	2	2					

### Stage III Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	4	E-4: using capitalization for the pronoun “I,” sentence beginnings, and proper nouns (i.e., names, days, months)	1	1	MC Multiple Choice	None	Which sentence uses capital letters correctly?	Scored 1  4 OPTIONS  One sentence with correct capitalization of a proper noun (names, days, months), or words in a person’s title/book title.  Three same sentences with incorrect or missing capitalization.	None
			B-4: using capitalization for proper nouns (i.e., names, days, months), titles (including book titles).	1	1					
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	4	<del>LI-4: using capitalization for proper nouns (i.e., names, place names, dates, holidays, languages), titles (including book and poem titles), and abbreviations.</del>	<del>0</del>	<del>0</del>	MC Multiple Choice	None	Which sentence uses capital letters correctly?	Scored 1  4 OPTIONS  One sentence with correct capitalization of a proper noun (place names, holidays, languages), words in a poem title, or abbreviation.  Three same sentences with incorrect or missing capitalization.	None
			HI-4: using capitalization for proper nouns (i.e., names, place names, dates, holidays, languages), titles (including book and poem titles), and abbreviations.	3	1					

### Stage III Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	5	PE-5: using punctuation for: • endings of sentences (period), • colon to punctuate time • commas in dates and closings of letters with instructional support.	0	4	MC Multiple Choice	None	Which sentence uses punctuation correctly?	<p>Scored 1</p> <p>4 OPTIONS</p> <p>One correct sentence to test end punctuation, (period) colon in time, comma in date/closing of letter.</p> <p>Three same sentences with incorrect punctuation.</p>	III.L.1b
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	5	E-5: using punctuation for: • endings of sentences (question mark, exclamation mark); • commas in greetings, closings of letters, and dates • apostrophes to punctuate contractions with instructional support	0	2	MC Multiple Choice	None	Which sentence uses punctuation correctly?	<p>Scored 1</p> <p>4 OPTIONS</p> <p>One correct sentence to test question mark, exclamation mark, commas in letter greetings, apostrophes in contractions.</p> <p>Three same sentences with incorrect punctuation.</p>	III.L.2

### Stage III Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	5	<del>B-5: using punctuation for:</del> <ul style="list-style-type: none"> <li><del>• sentence endings</del></li> <li><del>• commas to punctuate items in a series and introductory words</del></li> <li><del>• apostrophes to punctuate contractions and singular possessives.</del></li> </ul>	0	0	MC Multiple Choice	None	Which sentence uses punctuation correctly?	<p>Scored 1</p> <p>4 OPTIONS</p> <p>One correct sentence to test commas in items in a series/introductory words/phrases, quotation marks for dialogue and titles, colons in business letter salutations, apostrophes in singular/plural possessives.</p> <p>Three same sentences with incorrect punctuation.</p>	None
			LI-5: using punctuation for: <ul style="list-style-type: none"> <li>• sentence endings</li> <li>• commas to punctuate items in a series and introductory words or phrases</li> <li>• quotation marks for dialogue and titles</li> <li>• colons to punctuate business letter salutations</li> <li>• apostrophes to punctuate contractions and plural possessives.</li> </ul>	3	0					
			<del>HI-5: using punctuation for:</del> <ul style="list-style-type: none"> <li><del>• sentence endings</del></li> <li><del>• semi colons in a series, introductory clauses, dialogue and direct address</del></li> <li><del>• quotation marks for dialogue and titles</del></li> <li><del>• colons to punctuate business letter salutations</del></li> <li><del>• apostrophes to punctuate contractions and plural possessives.</del></li> </ul>	0	0					

### Stage III Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	7	<del>B-7: using verb tenses (simple past, present, future; present and past progressive) in a variety of writing applications.</del>	0	0	MC Multiple Choice	Sentence with a blank line for the verb.	Which word[s] belong[s] in the blank? [One sentence with a blank line for the verb.]	Scored 1 4 OPTIONS Four same words/phrases; only one answer choice uses the correct verb tense.  (Simple present, simple past, simple future, present progressive.)	III.L.1a
			<del>LI-7: using verb tenses (simple and progressive) in a variety of writing applications.</del>	0	0					
			HI-7: using verb tenses (simple and progressive) in a variety of writing applications.	4	1					
			B-7: using verb tenses (simple-past, present, future; present and past progressive) in a variety of writing applications.	1	0		None	Which sentence is correct?	Scored 1 4 OPTIONS Four same sentences; only one sentence uses the correct verb tense.  (Simple present, simple past, simple future, present progressive.)	
			<del>LI-7: using verb tenses (simple and progressive) in a variety of writing applications.</del>	0	0					
			HI-7: using verb tenses (simple and progressive) in a variety of writing applications.	4	0					

### Stage III Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	8	<del>E-8: using subject-verb agreement in sentences in a variety of writing applications with instructional support.</del>	0	0	MC Multiple Choice	Sentence with a blank for the subject or verb	Which word[s] belong[s] in the blank?  [One sentence with a blank line for the verb.]	Scored 1  4 OPTIONS  Four same words/phrases (subjects or verbs); only one answer choice uses the correct subject-verb agreement.	III.L.1a
			<del>B-8: using subject-verb agreement in sentences in a variety of writing applications with instructional support.</del>	0	0					
			<del>L1-8: using subject-verb agreement in sentences in a variety of writing applications with instructional support.</del>	0	0					
			HI-8: using subject-verb agreement in sentences in a variety of writing applications with instructional support.	2	1					
			<del>E-8: using subject-verb agreement in sentences in a variety of writing applications with instructional support.</del>	0	0		None	Which sentence is correct?	Scored 1  4 OPTIONS  One sentence with correct subject-verb agreement.  Three same sentences with incorrect subject-verb agreement.	
			<del>B-8: using subject-verb agreement in sentences in a variety of writing applications with instructional support.</del>	0	0					
			<del>L1-8: using subject-verb agreement in sentences in a variety of writing applications with instructional support.</del>	0	0					
			HI-8: using subject-verb agreement in sentences in a variety of writing applications with instructional support.	2	0					



### Stage III Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 3: Writing Process Students use the steps of the writing process as a writing piece moves toward completion as demonstrated by:	4	<p>LI-1: generating and organizing ideas to create a prewriting plan using multiple teacher-selected methods (brainstorming, webbing, writer's notebook, journal, etc.).</p>	0	0	MC Multiple-Choice	<p>GRAPHIC (may or may not be included)</p> <p>Picture showing two things that have similarities and differences.</p>	<p>WITH GRAPHICS: Look at the picture of [graphic 1] and [graphic 2].</p> <p>Now look at the chart/Venn diagram.</p> <p>Which word belongs on the blank line in the chart/Venn diagram?</p>	<p>Scored 4 4 OPTIONS</p> <p>One word that belongs in the blank line in the chart/Venn diagram; three incorrect words.</p>	III.L.2.HI-4
			<p>HI-1: generating and organizing ideas to create a prewriting plan using multiple self-selected methods (brainstorming, webbing, writer's notebook, journal, etc.).</p>	0	0		<p>Chart or Venn Diagram for the similarities and differences of the things in the picture; blank line in the section for either similarities or differences.</p>	<p>WITHOUT GRAPHICS: Look at the chart/Venn diagram.</p> <p>Which word belongs on the blank line in the chart/Venn diagram?</p>		

## Stage IV Test Specifications by Domain

### AZELLA Item Specifications Description and Key

These Post-Development Item Specifications were based on the August 2011 Item Specifications utilized for the development phase of the AZELLA Assessments. They have been updated to reflect what was administered on the following assessments:

Stages II-V Fall 2011 Field Test

Stage I Spring 2012 Field Test

Stage I-V Spring 2013 Operational Test (with some embedded field test at Stages I and V)

Thinking on item specifications evolved since August 2011. This resulted in two types of changes:


- |            |   |
|------------|---|
| ADDED      | 1. Some assessable areas were added (indicated in PINK) in the documents.   |
| NOT TESTED | 2. Some assessable areas were not ultimately field tested (indicated in strikethrough and gray in the Item Specifications). |

Development counts for these administrations have been added to the Item Specifications in two columns.

The column "Op count" is the number of operational items on the 2013 operational test.

The column "FT only count" includes the number of field test items from 2011, 2012, or 2013 that have not been used operationally.

An asterisk denotes the count of the items embedded as field test in 2013 (applicable to Stage I and V only).

 We have highlighted in yellow the cells where a miscoding of field test items may have occurred in 2013, possibly due to the prior renumbering of the PI. This impacts 5 items, all field tested in 2013, all in Stage I Listening.

### Stage IV Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	3	B-3: responding to read-alouds (nonfiction and fiction) by identifying main ideas and details in sentences.	0	4	MC Orally Administered/ Passage-based: Multiple Choice	Oral (30-50 word fiction/nonfiction passage)	<p>Look at number XX.</p> <p>Listen to the [passage/instructions/announcement]. [30-50 word fiction/nonfiction passage]</p> <p>Now listen to the [passage/instructions/announcement] again to answer the question.</p> <p>[main idea/detail question (read to students)] [30-50 word fiction/nonfiction passage]</p> <p>[main idea/detail question (read to students)]</p> <p>Listen to the answer choices. The answer choices are [answer choices (read to students)]. Mark your answer.</p>	Scored 1 4 OPTIONS phrases or sentences	None
				0	6		Oral (50-70 word fiction/nonfiction passage)	<p>[Note: This question is the first of two questions, the second of which may be coded to another P.I.]</p> <p>Look at number XX.</p> <p>Listen to the [passage/instructions/announcement]. [50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>Now listen to the [passage/instructions/announcement] again to answer the questions.</p> <p>[two questions about main idea/detail (read to students)] [50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>Listen to the question and the answer choices. Question number XX: [first question (read to students)] The answer choices are [answer choices (read to students)]. Mark your answer.</p>		

### Stage IV Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	3	LI-3: summarizing main ideas and supporting details from read-alouds (nonfiction and fiction) in sentences.	5	0	MC Orally Administered/Multiple Choice	Oral (50-70 word fiction/nonfiction passage)	<p>Look at number XX.</p> <p>Listen to the [passage/instructions/announcement]. [50-70 word fiction/nonfiction passage]</p> <p>Now listen to the [passage/instructions/announcement] again to answer the question. [main idea/supporting detail question (read to students)]</p> <p>[50-70 word fiction/nonfiction passage] [main idea/supporting detail question (read to students)]</p> <p>Listen to the answer choices. The answer choices are [answer choices (read to students)].</p> <p>Mark your answer.</p>	<p>Scored 1</p> <p>4 OPTIONS</p> <p>phrases or sentences</p>	None

## Stage IV Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	3	LI-3: summarizing main ideas and supporting details from read-alouds (nonfiction and fiction) in sentences.	1	0	MC Orally Administered/ Multiple Choice	Oral (50-70 word fiction/nonfiction passage)	<p>[Note: This question is the first of two questions, the second of which is main idea question.]</p> <p>Look at numbers XX and XX. Listen to the [passage/instructions/announcement].</p> <p>[50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>Now listen to the [passage/instructions/announcement] again to answer the questions.</p> <p>[first (of two) question about supporting detail, and second (of two) question about main idea (read to students)]</p> <p>[50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>Question number XX: [first (of two) question about supporting detail (read to students)]</p> <p>The answer choices are [answer choices (read to students)]. Mark your answer.</p>	Scored 1 4 OPTIONS phrases or sentences	None
				5	1			<p>[Note: This question is the second of two questions, the first of which is a supporting detail question.]</p> <p>Listen to the question and the answer choices.</p> <p>Question number XX: [second (of two) question about main idea (read to students)]</p> <p>The answer choices are [answer choices (read to students)]. Mark your answer.</p>		

### Stage IV Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	3	HI-3: making inferences and drawing conclusions using evidence from read-alouds (nonfiction and fiction) in sentences.	2	0	MC Orally Administered/ Passage-based: Multiple Choice	Oral (50-70 word fiction/nonfiction passage)	<p>Look at number XX. Listen to the [passage/instructions/announcement].</p> <p>[50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>Now listen to the [passage/instructions/announcement] again to answer the question.</p> <p>[question about inferences made/drawing conclusions (read to students)]</p> <p>[50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>[question about inferences made/drawing conclusions (read to students)].</p> <p>Listen to the answer choices. The answer choices are [answer choices (read to students)]. Mark your answer.</p>	<p>Scored 1</p> <p>4 OPTIONS</p> <p>phrases or sentences</p>	None

## Stage IV Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	3	HI-3: making inferences and drawing conclusions using evidence from read-alouds (nonfiction and fiction) in sentences.	2	1	MC Orally Administered/ Passage-based: Multiple Choice	Oral (50-70 word fiction/nonfiction passage)	<p>[Note: This question is the first of two questions, the second of which is an LI-3 main idea/supporting detail question.]</p> <p>Look at numbers XX and XX. Listen to the [passage/instructions/announcement].</p> <p>[50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>Now listen to the [passage/instructions/announcement] again to answer the questions.</p> <p>[first (of two) question about inferences made/drawing conclusions, and second (of two) question about main idea/supporting detail (read to students)]</p> <p>[50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>Question number XX: [first (of two) question about inferences made/drawing conclusions (read to students)]</p> <p>The answer choices are [answer choices (read to students)]. Mark your answer.</p>	<p>Scored 1</p> <p>4 OPTIONS</p> <p>phrases or sentences</p>	None

### Stage IV Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	5	B-5: sequencing events from information presented in read-alouds, presentations, and conversations.	0	2	MC Orally Administered/ Passage-based: Multiple Choice	Oral (50-70 word fiction/nonfiction passage)	<p>Look at number XX. Listen to the [passage/instructions/announcement].</p> <p>[50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>Now listen to the [passage/instructions/announcement] again to answer the question.</p> <p>[question about sequence of events (read to students)]</p> <p>[50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>[question about sequence of events (read to students)]</p> <p>Listen to the answer choices. The answer choices are [answer choices (read to students)]. Mark your answer.</p>	<p>Scored 1</p> <p>4 OPTIONS</p> <p>phrases or sentences</p>	IV.L.1a
			<del>LI-5: sequencing events from information presented in read-alouds, presentations, and conversations.</del>	<del>0</del>	<del>0</del>					
			HI-5: sequencing events from information presented in read-alouds, presentations, and conversations.	3	1					



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Domain (and Genre)	STANDARD	P I #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description : Options / Rubric	Language Strand Codes
Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	5	B-5: sequencing events from information presented in read-alouds, presentations, and conversations.	0	1	MC Orally Administered/ Passage-based: Multiple Choice	Oral (50-70 word fiction/nonfiction passage)	[Note. This question is the first of two questions, the second of which may be coded to another P.I.] Look at numbers XX and XX. Listen to the [passage/instructions/announcement]. [50-70 word fiction/nonfiction passage/instructions/announcement] Now listen to the [passage/instructions/announcement] again to answer the questions. [two questions, one of which is about sequence of events (read to students)] [50-70 word fiction/nonfiction passage/instructions/announcement] Listen to the question and the answer choices. Question number XX: [first question about sequence of events (read to students)] The answer choices are [answer choices (read to students)]. Mark your answer.	Scored 1 4 OPTIONS phrases or sentences	IV.L.1a
			<del>LI-5: sequencing events from information presented in read-alouds, presentations, and conversations.</del>	<del>0</del>	<del>0</del>					
			HI-5: sequencing events from information presented in read-alouds, presentations, and conversations.	3	1					
			<del>B-5: sequencing events from information presented in read-alouds, presentations, and conversations.</del>	<del>0</del>	<del>0</del>					
			<del>LI-5: sequencing events from information presented in read-alouds, presentations, and conversations.</del>	<del>0</del>	<del>0</del>					
			HI-5: sequencing events from information presented in read-alouds, presentations, and conversations.	1	0					
			[Note: This question is the second of two questions, the first of which may be coded to another P.I.]  Listen to the question and the answer choices. Question number XX: [second question about sequence of events (read to students)]  The answer choices are [answer choices (read to students)]. Mark your answer.							

### Stage IV Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	6	B-6: following multi-step instructions/directions, procedures and processes which contain specific academic content vocabulary.	0	2	MC Orally Administered/ Passage-based: Multiple Choice	Oral (50-70 word passage with multiple steps/instructions for an academic assignment/procedure/process)	<p>Look at number XX. Look at the pictures and listen to the [passage/instructions/announcement].</p> <p>[50-70 word fiction/nonfiction multiple step passage/instructions/announcement]</p> <p>Now listen to the [passage/instructions/announcement] again to answer the question.</p> <p>[question about multiple step directions/instructions/procedures (read to students)]</p> <p>[50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>[question about multiple step directions/instructions/procedures (read to students)]</p> <p>Listen to the answer choices. The answer choices are [answer choices (read to students)]. Mark your answer.</p>	<p>Scored 1</p> <p>4 OPTIONS</p> <p>phrases or sentences</p>	IV.L.1a

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	6	LI-6: following multi-step instructions/directions, procedures and processes which contain specific academic content vocabulary.	3	2	MC Orally Administered/ Passage-based: Multiple Choice	Oral (50-70 word passage with multiple steps/instructions for an academic assignment/procedure/process)  [GRAPHIC answer choices]	<p>Look at number XX. Look at the pictures and listen to the [passage/instructions/announcement].</p> <p>[50-70 word fiction/nonfiction multiple step passage/instructions/announcement]</p> <p>Now listen to the [passage/instructions/announcement] again to answer the question.</p> <p>[question about multiple step directions/instructions/procedures (read to students)]</p> <p>[50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>[question about multiple step directions/instructions/procedures (read to students)]</p> <p>Which picture shows [question about multiple step directions/instructions/procedures (read to students)]?</p> <p>Mark your answer.</p>	<p>Scored 1</p> <p>GRAPHIC</p> <p>4 OPTIONS</p> <p>Pictures that relate to the passage, but only one that answers the question</p>	None

### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 1: Print Concepts The student will demonstrate knowledge of print concepts by:	3	B-3: locating specific information using the organizational features of a book, a dictionary and a newspaper.	2	2	MC Multiple Choice	Features of a book/dictionary/newspaper	[Question asking students to locate specific information in the stimulus.]	Scored 1 4 OPTIONS 4 pieces of information from the stimulus	None
Reading	Standard 1: Print Concepts The student will demonstrate knowledge of print concepts by:	4	E-4: alphabetizing a series of words to the third letter.	1	0	MC Multiple Choice	None	Which set of words is in alphabetical order?	Scored 1 4 OPTIONS Each answer choice contains same set of four words; only one answer choice contains set of four words in correct alphabetical order (to the third letter).	None
Reading	Standard 1: Print Concepts The student will demonstrate knowledge of print concepts by:	4	<div>B-4: alphabetizing a series of words.</div> <div>LI-4: alphabetizing a series of words.</div> <div>HI-4: alphabetizing a series of words.</div>	0	0	MC Multiple Choice	List of 6 words	Look at the following words.  [List of six words]  Which two words come first/last in alphabetical order?	Scored 1 4 OPTIONS Each answer choice contains two words; only one answer choice contains correct first/last two words in alphabetical order.	None

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	6	E-6: decoding regularly spelled multi-syllabic words and compound words, including the sounds represented by consonant blends, consonant/vowel digraphs (e.g., th, sh, ck) and diphthongs (e.g., ea, ie, ee) and r-controlled vowels.	4	2	SA1 Orally Administered/Spoken Response	GRAPHIC [List of three above-grade-level two-syllable/compound words (consonant blends, consonant/vowel digraphs (th, sk, ck), diphthongs (ea, ie ee), and r-controlled vowels.)]	Look at number XX. Look at the list of words. [List of three (above-grade-level two-syllable words)] Read each word to me.	Scored 1	None
Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	11	<div>E-11: applying knowledge of affixes to base words in context.</div> <div>B-11: applying knowledge of affixes to base words in context.</div> <div>LI-11: applying knowledge of affixes to base words in context.</div> <div>HI-11: applying knowledge of affixes to base words in context.</div>	0	0	MC Multiple Choice	Sentence containing a word with an affix (without contextual clues to the meaning of the word)	When you add the prefix/suffix [prefix/suffix] to [root word], what is the meaning of the new word?	Scored 1 4 OPTIONS Only one option contains the meaning of the affix.	IV.L.2
				0	0					
				0	0					
				2	0					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	14	E-14: applying knowledge of word order (syntax) to confirm decoding of text.	0	0	MC Multiple Choice	Sentence with a blank	Which word belongs in the blank?	Scored 1	IV.L.1a
			B-14: applying knowledge of word order (syntax) to confirm decoding of text.	0	0				4 OPTIONS	
			L-14: applying knowledge of word order (syntax) to confirm decoding of text.	0	0				(1) Word that fits context and order (2) Word that fits context, but not order	
			H-14: applying knowledge of word order (syntax) to confirm decoding of text.	3	1				(3) Word that fits order, but not context (4) Word that does not fit order or context	

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	3	B-3: predicting what might happen next in a reading selection.	1	0	MC Passage-based: Multiple Choice	Literary reading passage	Based on the passage, what will happen next?	Scored 1 4 OPTIONS One correct answer choice contains a plausible prediction supported by the passage; three answer choices contain implausible predictions.	None
								What will happen after [event] of the passage?		
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	<del>B-4: answering who, what, where, when, why, which and how questions about text.</del>	0	0	MC Passage-based: Multiple Choice	Literary reading passage	[Who/what/where/when/why/which/how literal question about the passage.]	Scored 1 4 OPTIONS	None
			LI-4: answering literal and personal response questions about text.	0	3					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	HI-4: answering literal, inferential and personal response questions about text.	1	2	MC Passage-based: Multiple Choice	Literary reading passage	[Who/what/where/when/why/which/how inferential question about the passage.]	Scored 1 4 OPTIONS	None
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	9	<div>E-9: identifying signal words (e.g., first, next, finally) that indicate chronological order.</div> <div>B-9: locating sequential/chronological order signal words (e.g., first, next, finally, today, now) in text.</div> <div>LI-9: locating sequential/chronological order signal words (e.g., first, next, finally, today, now, meanwhile, not long ago) in text.</div> <div>HI-9: locating sequential/chronological order signal words (e.g., first, next, finally, today, now, meanwhile, not long ago) in text.</div>	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Which word from the passage indicates chronological order?	Scored 1 4 OPTIONS	IV.L.1.a



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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	10	E-10: identifying signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Which word from the passage indicates a contrast?	Scored 1 4 OPTIONS	IV.L.1a
			B-10: locating signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).	0	0					
			LI-10: locating signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).	0	0					
			HI-10: locating signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).	0	0					
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	11	E-11: identifying signal words in text that indicate cause and effect (e.g., as a result of, consequently, so that, because of, since).	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Which words from the passage indicate cause and effect?	Scored 1 4 OPTIONS	IV.L.1a
			B-11: locating signal words in text that indicate cause and effect (e.g., as a result of, consequently, so that, because of, since).	0	0					
			LI-11: locating signal words in text that indicate cause and effect (e.g., as a result of, consequently, so that, because of, since).	0	0					
			HI-11: locating signal words in text that indicate cause and effect (e.g., as a result of, consequently, so that, because of, since).	0	0					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	12	E-12: identifying the author's main purpose (e.g., to inform, to persuade, to entertain).	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Why did the author write the passage?	Scored 1 4 OPTIONS	None
			B-12: identifying the author's main purpose (e.g., to inform, to persuade, to entertain).	0	0					
			LI-12: determining the author's main purpose (e.g., to inform, to persuade, to entertain).	0	0					
			HI-12: determining the author's stated or implied purpose (e.g., to inform, to persuade, to entertain).	0	0					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	13	<del>B-13: identifying the cause and effect relationship between two related events in a literary selection.</del>	0	0	MC Passage-based: Multiple Choice	Literary reading passage	What causes [something from the text]?	Scored 1 4 OPTIONS	None
			<del>LI-13: determining the cause and effect relationship between two related events in a literary selection.</del>	0	0					
			HI-13: determining the cause and effect relationship between two related events in a literary selection.	0	1					
			<del>B-13: identifying the cause and effect relationship between two related events in a literary selection.</del>	0	0					
			<del>LI-13: determining the cause and effect relationship between two related events in a literary selection.</del>	0	0			What caused [something from the text]?		
			HI-13: determining the cause and effect relationship between two related events in a literary selection.	0	1					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	14	B-14: drawing conclusions from information implied or inferred in a literary selection.	0	0	MC Passage-based: Multiple Choice	Literary reading passage	[Question that requires an inference or conclusion to be made by students.]	Scored 1 4 OPTIONS	None
			LI-14: drawing conclusions from information implied or inferred in a literary selection.	0	0					
			HI-14: drawing conclusions from information implied or inferred in a literary selection.	0	1					
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	15	LI-15: describing the characteristics of the major and minor characters within a fictional text.	0	2	MC Passage-based: Multiple Choice	Literary reading passage	Which word best describes [character]?	Scored 1 4 OPTIONS	None

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	15	HI-15: analyzing the motivations of the major and minor characters within a fictional text.	2	0	MC Passage-based: Multiple Choice	Literary reading passage	Why does [character] do [something in the text]?	Scored 1 4 OPTIONS	None
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	16	<del>BI-16: comparing and contrasting two characters within a fictional text.</del>	0	0	MC Passage-based: Multiple Choice	Literary reading passage	How is/was [character(s)] [different/alike] [from other character(s)] in the passage?  [Question comparing/contrasting/connecting two characters.]	Scored 1 4 OPTIONS	None
			<del>LI-16: comparing and contrasting two characters within a fictional text.</del>	0	0					
			HI-16: comparing, contrasting, and describing the connections between two characters within a fictional text.	0	1					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	17	B-17: describing the various settings within a fictional text.	0	1	MC Passage-based: Multiple Choice	Literary reading passage	Which word describes the setting?	Scored 1 4 OPTIONS	None
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	19	E-19: identifying the plot (sequence of events) in a fictional text heard or read.	1	1	MC Passage-based: Multiple Choice	Literary reading passage	What happened [first/next/after] [plot detail from passage]?  [Question about the sequence of events in a passage.]	Scored 1 4 OPTIONS	None
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	19	B-19: identifying the main problem or conflict of a plot in a fictional text.	1	0	MC Passage-based: Multiple Choice	Literary reading passage	What is the main problem in the passage?	Scored 1 4 OPTIONS	None
				0	1			What is [character's] <b>main</b> problem in the passage?		

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	19	LI-19: identifying the plot and its components (e.g., main events, conflict, rising action, climax, falling action resolution) in a fictional text.	0	0	MC Passage-based: Multiple Choice	Literary reading passage	[Question requiring the identification/description of elements of plot in a passage.]	Scored 1 4 OPTIONS	None
			HI-19: describing the plot and its components (e.g., main events, conflict, rising action, climax, falling action and resolution) in a fictional text.	0	0					
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	20	PE-20: relating illustrations to fictional text.	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Which part of the passage does the illustration help the reader understand?	Scored 1 4 OPTIONS	None
			E-20: relating illustrations to fictional text.	0	0					
			B-20: relating illustrations to fictional text.	0	0					
			LI-20: relating illustrations to fictional text.	0	0					
			HI-20: relating illustrations to fictional text.	1	0					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	B-4: answering who, what, where, when, why, which and how questions about text.	0	1	MC Passage-based: Multiple Choice	Informational reading passage	[Who/what/where/when/why/which/how literal question about the passage.]	Scored 1 4 OPTIONS	None
			LI-4: answering literal and personal response questions about text.	1	0					
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	HI-4: answering literal, inferential and personal response questions about text.	0	1	MC Passage-based: Multiple Choice	Informational reading passage	[Who/what/where/when/why/which/how inferential question about the passage.]	Scored 1 4 OPTIONS	None
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	E-8: identifying the main idea and two to three details.	0	0	MC Passage-based: Multiple Choice	Informational reading passage	What is the main idea of the passage?	Scored 1 4 OPTIONS	None



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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	B-8: summarizing the main idea and supporting details from text.	0	0	MC Passage-based: Multiple Choice	Informational reading passage	Which is the <b>best</b> summary of the passage?	Scored 1 4 OPTIONS	None
			LI-8: summarizing the main idea and supporting details from text using academic vocabulary.	0	0					
			HI-8: summarizing the main idea and supporting details from text using academic vocabulary.	2	1					
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	9	E-9: identifying signal words (e.g., first, next, finally) that indicate chronological order.	0	0	MC Passage-based: Multiple Choice	Informational reading passage	Which word from the passage indicates chronological order?	Scored 1 4 OPTIONS	IV.L.1.a
			B-9: locating sequential/chronological order signal words (e.g., first, next, finally, today, now) in text.	0	0					
			LI-9: locating sequential/chronological order signal words (e.g., first, next, finally, today, now, meanwhile, not long ago) in text.	0	0					
			HI-9: locating sequential/chronological order signal words (e.g., first, next, finally, today, now, meanwhile, not long ago) in text.	0	1					

### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	10	E-10: identifying signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).	0	0	MC Passage-based: Multiple Choice	Informational reading passage	Which word from the passage indicates a contrast?	Scored 1 4 OPTIONS	IV.L.1.a
			B-10: locating signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).	0	0					
			LI-10: locating signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).	0	0					
			HI-10: locating signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).	1	0					

### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	11	E-11: identifying signal words in text that indicate cause and effect (e.g., as a result of, consequently, so that, because of, since).	0	0	MC Passage-based: Multiple-Choice	Informational reading passage	Which words from the passage indicate cause and effect?	Scored 1 4 OPTIONS	IV.L.1.a
			B-11: locating signal words in text that indicate cause and effect (e.g., as a result of, consequently, so that, because of, since).	0	0					
			LI-11: locating signal words in text that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since).	0	0					
			HI-11: locating signal words in text that indicate cause and effect (e.g., as a result of, consequently, so that, because of, since).	0	0					

### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	12	E-12: identifying the author's main purpose (e.g., to inform, to persuade, to entertain).	0	0	MC Passage-based: Multiple Choice	Informational reading passage	Why did the author write the passage?	Scored 1 4 OPTIONS	None
			B-12: identifying the author's main purpose (e.g., to inform, to persuade, to entertain).	0	0					
			LI-12: determining the author's main purpose (e.g., to inform, to persuade, to entertain).	0	0					
			HI-12: determining the author's stated or implied purpose (e.g., to inform, to persuade, to entertain).	2	1					

### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	14	HI-14: drawing conclusions from information implied or inferred in a literary selection.	1	0	MC Passage-based: Multiple Choice	Informational reading passage	How are [inferential question relating to the passage]?  [Questions that require an inference or conclusion to be made by the student.]	Scored 1 4 OPTIONS	None
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	21	<del>B-21: applying understanding of content area vocabulary within math, science and social studies texts.</del>	0	0	MC Passage-based: Multiple Choice	Informational reading passage (math, science, social studies)	What does [word from the passage] mean in the passage?	Scored 1 4 OPTIONS	IV.L.2
			<del>LI-21: applying understanding of content area vocabulary within math, science and social studies texts.</del>	0	0					
			HI-21: applying understanding of content area vocabulary within math, science and social studies texts.	2	0					

### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	24	LI-24: interpreting information from external text within nonfiction text for a specific purpose.	0	0	MC Passage-based: Multiple Choice	Informational reading passage  GRAPHIC  Map/graph/chart/diagram/table/timeline attached to an informational reading passage.	In/based on the [map/graph/chart/diagram/table/timeline], which/what [detail from graphic]?  [Question requiring an interpretation of information in the text feature.]	Scored 1  4 OPTIONS	None
			HI-24: interpreting information from external text within nonfiction text for a specific purpose.	1	1					

## Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	29	<del>E-29: comparing and contrasting two items within an expository text.</del>	0	0	MC Passage-based: Multiple Choice	Informational reading passage	What do both [two things/people] in the passage [do/wear/other detail]?	Scored 1 4 OPTIONS	None
			<del>B-29: comparing and contrasting two items within an expository text.</del>	0	0					
			<del>LI-29: comparing and contrasting two items within an expository text.</del>	0	0					
			HI-29: comparing and contrasting two items within an expository text.	1	0					
			<del>E-29: comparing and contrasting two items within an expository text.</del>	0	0					
			<del>B-29: comparing and contrasting two items within an expository text.</del>	0	0					
			<del>LI-29: comparing and contrasting two items within an expository text.</del>	0	0					
			HI-29: comparing and contrasting two items within an expository text.	1	0			What is a/the difference between [two things] described in the passage?		

### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Functional (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	B-4: answering who, what, where, when, why, which and how questions about text.	0	0	MC Passage-based: Multiple Choice	Functional reading passage	[Who/what/where/when/why/which/how literal question about the passage.]	Scored 1 4 OPTIONS	None
			LI-4: answering literal and personal response questions about text.	0	0					
Reading: Functional (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	HI-4: answering literal, inferential and personal response questions about text.	0	1	MC Passage-based: Multiple Choice	Functional reading passage	[Who/what/where/when/why/which/how inferential question about the passage.]	Scored 1 4 OPTIONS	None
Reading: Functional (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	0	E-8: identifying the main idea and two to three details.	0	0	MC Passage-based: Multiple Choice	Functional reading passage	What is the main idea of the passage?	Scored 1 4 OPTIONS	None



### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Functional (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	B-8: summarizing the main idea and supporting details from text.	0	0	MC Passage-based: Multiple Choice	Functional reading passage	Which is the best summary of the passage?	Scored 1 4 OPTIONS	None
			LI-8: summarizing the main idea and supporting details from text using academic vocabulary.	0	0					
			HI-8: summarizing the main idea and supporting details from text using academic vocabulary.	0	0					

### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Functional (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	0	E-9: identifying signal words (e.g., first, next, finally) that indicate chronological order.	0	0	MC Passage-based: Multiple-Choice	Functional reading passage	Which word from the passage indicates chronological order?	Scored 1 4 OPTIONS	IV.L.1.a
			B-9: locating sequential/chronological order signal words (e.g., first, next, finally, today, now) in text.	0	0					
			LI-9: locating sequential/chronological order signal words (e.g., first, next, finally, today, now, meanwhile, not long ago) in text.	0	0					
			HI-9: locating sequential/chronological order signal words (e.g., first, next, finally, today, now, meanwhile, not long ago) in text.	0	0					

### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Functional (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	10	E-10: identifying signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).	0	0	MC Passage-based: Multiple Choice	Functional reading passage	Which word from the passage indicates a contrast?	Scored 1 4 OPTIONS	IV.L.1.a
			B-10: locating signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).	0	0					
			LI-10: locating signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).	0	0					
			HI-10: locating signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).	0	1					

### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Functional (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	11	E-11: identifying signal words in text that indicate cause and effect (e.g., as a result of, consequently, so that, because of, since).	0	0	MC Passage-based: Multiple Choice	Functional reading passage	Which words from the passage indicate cause and effect?	Scored 1 4 OPTIONS	IV.L.1.a
			B-11: locating signal words in text that indicate cause and effect (e.g., as a result of, consequently, so that, because of, since).	0	0					
			LI-11: locating signal words in text that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since).	0	0					
			HI-11: locating signal words in text that indicate cause and effect (e.g., as a result of, consequently, so that, because of, since).	1	0					

### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Functional (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	12	E-12: identifying the author's main purpose (e.g., to inform, to persuade, to entertain).	0	0	MC Passage-based: Multiple Choice	Functional reading passage	Why did the author write the passage?	Scored 1 4 OPTIONS	None
			B-12: identifying the author's main purpose (e.g., to inform, to persuade, to entertain).	0	0					
			LI-12: determining the author's main purpose (e.g., to inform, to persuade, to entertain).	0	1					
			HI-12: determining the author's stated or implied purpose (e.g., to inform, to persuade, to entertain).	0	1					

### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Functional (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	21	B-21: applying understanding of content area vocabulary within math, science and social studies texts.	0	0	MC Passage-based: Multiple Choice	Functional reading passage (math, science, social studies)	What does [content area word] mean in the passage?	Scored 1 4 OPTIONS	IV.L.2
			LI-21: applying understanding of content area vocabulary within math, science and social studies texts.	0	0					
			HI-21: applying understanding of content area vocabulary within math, science and social studies texts.	1	0					

## Stage IV Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Functional (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	22	B-22: following a set of written multi-step instructions to perform routine procedures and answer questions.	0	0	MC Passage-based: Multiple Choice	Functional reading passage (does not have to be math, science, social studies related)	What is the first step in [task/procedure]?  What is/will be done before/right after [task/procedure]?  [Questions about steps in a task/procedure.]	Scored 1 4 OPTIONS	None
			LI-22: following a set of written multi-step instructions to perform routine procedures, answer questions or solve problems in math, science and social studies.	0	0	MC Passage-based: Multiple Choice	Functional reading passage (may be math, science, social studies related)			
			HI-22: following a set of written multi-step instructions to perform unfamiliar procedures, answer questions or solve problems in math, science and social studies.	2	0					

### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Functional (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	24	LI-24: interpreting information from external text within nonfiction text for a specific purpose.	0	0	MC Passage-based: Multiple Choice	Functional reading passage	In/based on the [map/graph/chart/diagram/table/timeline], which/what [detail from graphic]?  [Question requiring an interpretation of information in the text feature.]	Scored 1 4 OPTIONS	None
			HI-24: interpreting information from external text within nonfiction text for a specific purpose.	2	0		GRAPHIC Map/graph/chart/ diagram/table/timeline attached to a functional reading passage			



### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Functional (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	28	LI-28: locating information in functional documents (e.g., letters, memos, directories, search engines, manuals, recipes, graphic organizers).	2	0	MC Passage-based: Multiple Choice	Functional reading passage	According to the/which of [literal question requiring students to locate specific information in the passage]?	Scored 1 4 OPTIONS	None
Reading: Functional (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	28	HI-28: interpreting information in functional documents (e.g., memos, directories, search engines, manuals, recipes, graphic organizers).	0	0	MC Passage-based: Multiple Choice	Functional reading passage	How are [interpretive question relating to the passage]? [Questions that require an interpretation or inference to be made by the student.]	Scored 1 4 OPTIONS	None

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	B-4: answering who, what, where, when, why, which and how questions about text.	0	2	MC Passage-based: Multiple Choice	Persuasive reading passage	[Who, what, where, when, why, which, how literal question about the passage.]	Scored 1 4 OPTIONS	None
			LI-4: answering literal and personal response questions about text.	2	1					
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	HI-4: answering literal, inferential and personal response questions about text.	2	0	MC Passage-based: Multiple Choice	Persuasive reading passage	[Who, what, where, when, why, which, how inferential question about the passage.]	Scored 1 4 OPTIONS	None
Reading: Persuasive Passage	RStandard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	E-8: identifying the main idea and two-to-three details.	1	2	MC Passage-based: Multiple Choice	Persuasive reading passage	What is the main idea of the passage?	Scored 1 4 OPTIONS	None

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	B-8: summarizing the main idea and supporting details from text.	0	0	MC Passage-based: Multiple Choice	Persuasive reading passage	Which is the best summary of the passage?	Scored 1 4 OPTIONS	IV.L.1a
			LI-8: summarizing the main idea and supporting details from text using academic vocabulary.	0	0					
			HI-8: summarizing the main idea and supporting details from text using academic vocabulary.	0	1					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	9	E-9: identifying signal words (e.g., first, next, finally) that indicate chronological order.	0	0	MC Passage-based: Multiple Choice	Persuasive reading passage	Which word from the passage indicates chronological order?	Scored 1 4 OPTIONS	IV.L.1a
			B-9: locating sequential/chronological order signal words (e.g., first, next, finally, today, now) in text.	0	0					
			LI-9: locating sequential/chronological order signal words (e.g., first, next, finally, today, now, meanwhile, not long ago) in text.	0	0					
			HI-9: locating sequential/chronological order signal words (e.g., first, next, finally, today, now, meanwhile, not long ago) in text.	0	0					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	10	<del>E-10: identifying signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).</del>	0	0	MC Passage-based: Multiple Choice	Persuasive reading passage	Which word from the passage indicates a contrast?	Scored 1 4 OPTIONS	IV.L.1a
			<del>B-10: locating signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).</del>	0	0					
			<del>LI-10: locating signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).</del>	0	0					
			HI-10: locating signal words in text that indicate comparison/contrast (e.g., similarly, on the other hand, however, yet, in spite of).	1	1					

### Stage IV Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	11	E-11: identifying signal words in text that indicate cause and effect (e.g., as a result of, consequently, so that, because of, since).	0	0	MC Passage-based: Multiple Choice	Persuasive reading passage	Which words from the passage indicate cause and effect?	Scored 1 4 OPTIONS	IV.L.1a
			B-11: locating signal words in text that indicate cause and effect (e.g., as a result of, consequently, so that, because of, since).	0	0					
			LI-11: locating signal words in text that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since).	0	0					
			HI-11: locating signal words in text that indicate cause and effect (e.g., as a result of, consequently, so that, because of, since).	1	0					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	12	E-12: identifying the author's main purpose (e.g., to inform, to persuade, to entertain).	0	0	MC Passage-based: Multiple Choice	Persuasive reading passage	Why did the author write the passage?	Scored 1 4 OPTIONS	None
			B-12: identifying the author's main purpose (e.g., to inform, to persuade, to entertain).	0	0					
			LI-12: determining the author's main purpose (e.g., to inform, to persuade, to entertain).	0	2					
			HI-12: determining the author's stated or implied purpose (e.g., to inform, to persuade, to entertain).	0	2					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	30	B-30: identifying fact and opinion in persuasive text.	1	2	MC Passage-based: Multiple Choice	Persuasive reading passage	Which sentence is/contains an opinion?	Scored 1 4 OPTIONS	None
			B-30: identifying fact and opinion in persuasive text.	1	0			Which sentence from the passage is a fact?		
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	31	<del>B-31: identifying words used in persuasive text to affect the reader (e.g., stereotypes, testimonial, exaggeration, loaded words).</del>	<del>0</del>	<del>0</del>	MC Passage-based: Multiple Choice	Persuasive reading passage	Which word/words/sentence does the author use to influence the reader?	Scored 1 4 OPTIONS	None
			<del>LI-31: identifying words used in persuasive text to affect the reader (e.g., stereotypes, testimonial, exaggeration, loaded words).</del>	<del>0</del>	<del>0</del>					
			HI-31: identifying words used in persuasive text to affect the reader (e.g., stereotypes, testimonial, exaggeration, loaded words).	1	1					



### Stage IV Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	1	HI-1: producing sentences with accurate pronunciation, intonation, and stress.	20	10	RP6	n/a	[sentence for the student to repeat]	Scored 0-6	IV.L.1b
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	4	<del>B-4: participating in social conversations with familiar and unfamiliar people; sharing personal information, experiences, opinions, abilities, and needs, using complete sentences.</del>	0	0	SA4 OE Orally Administered/ Spoken Response	Oral	Please answer in two or more complete sentences. [Question or imperative sentence asking for personal information.] [Question asking student to justify response.]	Scored 0-4	IV.L.1b IV.L.2
			<del>LI-4: participating in formal and informal conversation tasks using complete sentences.</del>	0	0					
			HI-4: participating in formal and informal conversation tasks using complete sentences.	2	4					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	5	E-5: sharing a personal experience/story using complete sentences.	0	0	SA4 OE Orally Administered/ Spoken Response	Oral	Please answer in two or more complete sentences.	Scored 0-4	IV.L.1b IV.L.2
			B-5: sharing a personal experience/story supported by details and examples in complete sentences.	0	0			Think about a time when [a personal experience/interest/story happened].		
			LI-5: sharing a personal experience/story with descriptive language supported by details and examples in complete sentences.	0	0			Tell [one detail from the experience/interest/story, e.g., who/what/when/where/how] and [another detail from the experience/interest/story, e.g., who/what/when/where/how].		
			HI-5: sharing a personal experience/story with descriptive language and supported by details and examples in complete sentences.	2	3					

### Stage IV Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description : Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	6	<del>B-6: making predictions about academic content using complete sentences.</del>	0	0	SA4 OEO orally Administered/Spoken Response	Oral GRAPHIC	Look at number XX. Look at the [picture/chart/map]. It has information about [contents of picture/chart/map].  Please answer in complete sentences. Based on the [picture/chart/map], [question about picture/chart/map contents]? [Question asking student to justify response or provide additional information]?	Scored 0-4	IV.L.1bIV.L.2
			LI-6: making predictions and inferences about academic content using complete sentences with instructional support.	0	1					
			HI-6: making predictions and inferences about academic content using complete sentences.	3	3					
			<del>B-6: making predictions about academic content using complete sentences.</del>	0	0			Look at number XX. Look at the [picture/chart/map]. It has information about [contents of picture/chart/map].  Please answer in complete sentences.		
			<del>LI-6: making predictions and inferences about academic content using complete sentences with instructional support.</del>	0	0			Look at number XX. Look at the picture.  What is happening in the picture? What will probably happen next?		
			HI-6: making predictions and inferences about academic content using complete sentences.	2	0					
			B-6: making predictions about academic content using complete sentences.	0	1			Look at number XX. Look at the [chart/graph].  Please answer in complete sentences.		
			<del>LI-6: making predictions and inferences about academic content using complete sentences with instructional support.</del>	0	0			Tell me one thing you learn from the information in the [chart/graph]. Tell me another thing you learn from the information in the [chart/graph].		
			HI-6: making predictions and inferences about academic content using complete sentences.	1	0					

### Stage IV Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	7	B-7: giving multiple step directions and instructions.	1	4	SA4 OE Orally Administered/ Spoken Response	Oral	<p>Please answer in two or more complete sentences.</p> <p>Tell how to [do something students would be familiar with].</p> <p>Include at least four steps.</p>	Scored 0-4	IV.L.1b
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	7	LI-7: issuing multiple step directions and instructions including time, location and movement.	1	2	SA4 OE Orally Administered/ Spoken Response	Oral	<p>Look at number XX.</p> <p>Look at the map of the [place].</p> <p>Please answer in two or more complete sentences. Use the path marked on the map to tell how to get from [first location on the map] to [second location on the map].</p>	Scored 0-4.	IV.L.1a IV.L.1b

### Stage IV Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 1: Writing Applications The student will express his or her thinking and ideas by using a variety of writing genres, as demonstrated by:	1	B-1: writing a narrative paragraph about real or imagined events, using a sequence of sentences including characters and setting.	0	4	ER Written Response	None	[Identifies a situation in which students write a "story" about a real or imagined experience.]  Be sure to include: • Characters. • Setting. • Plot.  [Do not require dialogue.]	Scored 0-5	IV.L.1b
Writing	Standard 1: Writing Applications The student will express his or her thinking and ideas by using a variety of writing genres, as demonstrated by:	7	<div> <del>LI-7: writing a formal letter (e.g., business letter, letter to the principal or teacher) that presents information purposefully and follows a conventional format, with instructional support.</del> </div> <div>           HI-7: writing a formal letter (e.g., business letter, letter to the principal or teacher) that presents information purposefully and follows a conventional format.         </div>	<div>0</div> <div>2</div>	<div>0</div> <div>0</div>	ER Written Response	None	<div>[Identifies an issue/situation in which students write a letter to a specific person/group/business and make suggestions/recommendations on how to deal with the issue/situation.]</div> <div>Be sure to: • Today's date. • The address as [example of name, street, city, state, ZIP code].</div>	Scored 0-5	IV.L.1b

### Stage IV Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 1: Writing Applications The student will express his or her thinking and ideas by using a variety of writing genres, as demonstrated by:	8	<del>B-8: writing a persuasive paragraph using facts, ideas and concepts to influence the reader.</del>	0	0	ER Written Response	None	[Identifies a situation in which students write a persuasive paragraph that states a position/claim about a topic familiar to students.]  Be sure to: • Your position. • Evidence to support your position.	Scored 0-5	IV.L.1b
			HI-8: writing an essay which states a clear position, convincing arguments and relevant evidence.	2	1					
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	2	E-2: using common spelling of high frequency words, word families and rhyming words.	2	0	MC Multiple Choice	None	Which word is spelled correctly?	Scored 14 OPTIONSCorr ectly spelled high frequency word.Three misspelled words.	I.V.L.2

### Stage IV Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	2	B-2: using common spelling of CVC (e.g., cat), CCVC (e.g., ship), CVCC (e.g., sink) words, r-controlled words (e.g., cart, burn), diphthongs (e.g., out, oil), digraphs (e.g., phone, meat) and irregular plurals (e.g., children).	0	3	MC Multiple Choice	None	Which word is spelled correctly?	<p>Scored 1</p> <p>4 OPTIONS</p> <p>Correctly spelled CVC, CCVC, CVCC word, r-controlled word, diphthong, digraph, irregular plural.</p> <p>Three misspelled words.</p>	IV.L.2
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	2	LI-2: using common spelling of homonyms, inflectional endings (e.g., -ed, -ing, -er), prefixes (e.g., pre-, pro-, non-) and suffixes (e.g., -al, -ology).	0	2	MC Multiple Choice	None	Which word is spelled correctly?	<p>Scored 1</p> <p>4 OPTIONS</p> <p>Correctly spelled word with inflectional endings, prefixes, suffixes, homonyms.</p> <p>Three misspelled words.</p>	IV.L.2

### Stage IV Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	2	HI-2: using common spelling patterns and generalizations to spell words (e.g., 'i before e', plurals of words ending with 'y', doubling of final consonant).	1	1	MC Multiple Choice	None	Which word is spelled correctly?	<p>Scored 1</p> <p>4 OPTIONS</p> <p>One correctly spelled word.</p> <p>Three words with misuse of common spelling patterns.</p>	None
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	3	<p><del>PE-3: writing words using appropriate capitalization (e.g., proper nouns, pronoun 'I') with instructional support.</del></p> <p>E-3: writing words and simple sentences using appropriate capitalization (e.g., proper nouns, pronoun "I", sentence beginnings) with instructional support.</p> <p>B-3: writing words and sentences using appropriate capitalization (e.g., proper nouns, pronoun "I", titles, abbreviations, words used as names).</p>	0	2	MC Multiple Choice	None	Which sentence uses capitalization correctly?	<p>Scored 1</p> <p>4 OPTIONS</p> <p>One sentence with correct capitalization of a proper noun, person's title, and/or abbreviation.</p> <p>Three sentences with incorrect or missing capitalization.</p>	None



### Stage IV Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	3	LI-3: writing sentences and simple paragraphs using appropriate capitalization (e.g., proper nouns, the pronoun "I", titles, abbreviations, words used as names, historical events).	0	0	MC Multiple Choice	None	Which sentence uses capitalization correctly?	Scored 1  4 OPTIONS  One sentence with correct capitalization of a historical event.  Three sentences with incorrect or missing capitalization.	None
			HI-3: writing paragraphs using appropriate capitalization (e.g., proper nouns, pronoun "I", titles, abbreviations, words used as names, historical events).	3	0					
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	4	B-4: writing sentences using appropriate punctuation (e.g., ending punctuation; period: abbreviations; colons: time; commas: items in a series, introductory words, friendly letters; apostrophes: contractions).	0	3	MC Multiple Choice	None	Which sentence uses punctuation correctly?  [Items may be written to assess specific punctuation: Which sentence uses commas correctly? However, all options must contain the tested punctuation.]	Scored 1  4 OPTIONS  One correct sentence to test end punctuation; period in abbreviation; colon in time; comma in series, introductory words, friendly letter; or apostrophe in contraction.  Three same sentences with incorrect punctuation.	None

### Stage IV Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	4	LI-4: writing sentences and simple paragraphs using appropriate punctuation (e.g., ending punctuation; periods: abbreviations; colons: time, business letters; commas: items in a series, introductory words, friendly letters; apostrophes: contractions, possessives; semi-colons; quotation marks: dialogue, titles).	0	1	MC Multiple Choice	None	Which sentence uses punctuation correctly?  [Items may be written to assess specific punctuation: Which sentence uses the semi-colon correctly? However, all options must contain the tested punctuation.]	Scored 1  4 OPTIONS  One correct sentence to test apostrophe in possessives; semi-colons; quotation marks in dialogue or titles.  Three same sentences with incorrect punctuation.	None
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	4	HI-4: writing paragraphs using appropriate punctuation (e.g., ending punctuation; periods: abbreviations; colons: time, business letters; commas: items in a series, introductory words, friendly letters; apostrophes: contractions, possessives; semi-colons; quotation marks: dialogue, titles, business letters, direct quotes, exact words from sources).	4	0	MC Multiple Choice	None	Which sentence uses punctuation correctly?  [Items may be written to assess specific punctuation: Which sentence uses the semi-colon correctly? However, all options must contain the tested punctuation.]	Scored 1  4 OPTIONS  One correct sentence to test apostrophe in possessives; semi-colons; quotation marks in dialogue or titles.  Three same sentences with incorrect punctuation.	None

### Stage IV Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	6	E-6: using verb tenses (i.e., simple present, simple past, simple future, present progressive) in a variety of writing applications.	0	0	MC Multiple Choice	None	Which sentence uses the correct verb tense?	Scored 1  4 OPTIONS  Four same sentences; only one sentence uses the correct verb tense.  (Simple present, simple past, simple future, present progressive.)	IV.L.1a
			B-6: using verb tenses (i.e., simple, progressive) in a variety of writing applications.	0	1					
			E-6: using verb tenses (i.e., simple present, simple past, simple future, present progressive) in a variety of writing applications.	0	0		Sentence with underlined portion (verbs)	Read the sentence.  [One sentence with [in]correct verb tense underlined.]	Scored 1  4 OPTIONS  Two to three answer choices with incorrect use of verb tense, and "correct as is" as one answer choice.	
			B-6: using verb tenses (i.e., simple, progressive) in a variety of writing applications.	0	3			Which word[s] belong[s] in the underlined part of the sentence?	(Simple present, simple past, simple future, present progressive--irregular verbs.)	

### Stage IV Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	6	LI-6: using verb tenses (i.e., simple, progressive, perfect) in a variety of writing applications.	0	0	MC Multiple Choice	None	Which sentence uses the correct verb tense?	Scored 1 4 OPTIONS  Four same sentences; only one sentence uses the correct verb tense.  (Perfect tense.)	IV.L.1a
			HI-6: using verb tenses (simple, progressive, perfect) in a variety of writing applications.	4	0					
			LI-6: using verb tenses (i.e., simple, progressive, perfect) in a variety of writing applications.	0	1		Sentence with underlined portion (verbs)	Read the sentence.  [One sentence with [in]correct verb tense underlined.]	Scored 1 4 OPTIONS  Two to three answer choices with incorrect use of verb tense, and "correct as is" as one answer choice.  (Perfect tense-irregular verbs.)	
			HI-6: using verb tenses (simple, progressive, perfect) in a variety of writing applications.	1	1			Which word[s] belong[s] in the underlined part of the sentence?		

### Stage IV Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	7	E-7: using subject-verb agreement in sentences (i.e., S-V, S-V-O, S-V-C, S-V-O-P) in a variety of writing applications.	0	1	MC Multiple Choice	None	Which sentence is correct?	<p>Scored 1</p> <p>4 OPTIONS</p> <p>One sentence with correct subject-verb agreement (S-V, S-V-O, S-V-C, S-V-O-P).</p> <p>Three same sentences with incorrect subject-verb agreement.</p>	IV.L.1a

### Stage IV Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	7	<del>B-7: using subject-verb agreement in sentences (i.e., S-V, S-V-O, S-V-C, S-V-O-P, S-V-DO-IO, S-V-IO-DO) in a variety of writing applications.</del>	0	0	MC Multiple Choice	None	Which sentence is correct?	Scored 1  4 OPTIONS  One sentence with correct subject-verb agreement (i.e., S-V, S-V-O, S-V-C, S-V-O-P, S-V-DO-IO, S-V-IO-DO).	IV.L.1a
			<del>LI-7: using subject-verb agreement in sentences (i.e., S-V, S-V-O, S-V-C, S-V-O-P, S-V-DO-IO, S-V-IO-DO) in a variety of writing applications.</del>	0	0				Three same sentences with incorrect subject-verb agreement.	
			HI-7: using subject-verb agreement in sentences (i.e., S-V, S-V-O, S-V-C, S-V-O-P, S-V-DO-IO, S-V-IO-DO) in a variety of writing applications.	3	0					
			<del>B-7: using subject-verb agreement in sentences (i.e., S-V, S-V-O, S-V-C, S-V-O-P, S-V-DO-IO, S-V-IO-DO) in a variety of writing applications.</del>	0	0		Sentence with underlined portion (subject or verb)	Read the sentence.  [One sentence with [in]correct subject-verb agreement underlined.]  Which word[s] belong[s] in the underlined part of the sentence?	Scored 1  4 OPTIONS  Two to three answer choices with incorrect subject-verb agreement (i.e., S-V, S-V-O, S-V-C, S-V-O-P, S-V-DO-IO, S-V-IO-DO), and "correct as is" as one answer choice.	
			LI-7: using subject-verb agreement in sentences (i.e., S-V, S-V-O, S-V-C, S-V-O-P, S-V-DO-IO, S-V-IO-DO) in a variety of writing applications.	0	1					
			HI-7: using subject-verb agreement in sentences (i.e., S-V, S-V-O, S-V-C, S-V-O-P, S-V-DO-IO, S-V-IO-DO) in a variety of writing applications.	3	0					

### Stage IV Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	8	E-8: using noun phrases in sentences.	0	0	MC Multiple Choice	Sentence with underlined noun phrase	Read the sentence.  [One sentence with [in]correct noun phrase underlined.]  Which words belong in the underlined part of the sentence?	Scored 1  4 OPTIONS  Two to three answer choices with incorrect use of noun phrase, and "correct as is" as one answer choice.	None
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	8	B-8: using noun, adverbial and/or prepositional phrases in sentences.	0	1	MC Multiple Choice	Sentence with underlined adverbial or prepositional phrase	Read the sentence.  [One sentence with [in]correct adverbial or prepositional phrase underlined.]  Which words belong in the underlined part of the sentence?	Scored 1  4 OPTIONS  Two to three answer choices with incorrect use of adverbial or prepositional phrase, and "correct as is" as one answer choice.	IV.L.1a IV.L.1b
			LI-8: using noun, adverbial and/or prepositional phrases in sentences.	0	1					
			HI-8: using noun, adverbial and/or prepositional phrases in sentences.	3	0					

### Stage IV Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing	Standard 3: Writing Process Students use the steps of the writing process as a writing piece moves toward completion as demonstrated by:	4	LI 1: generating, organizing, and maintaining a record of ideas for pre-writing.	0	0	MC Multiple Choice	GRAPHIC  Chart, table, Venn diagram, web, story map, plot line with missing information	Look at the [graphic organizer].	Scored 1  4 OPTIONS	None
			HI 1: generating, organizing, maintaining and evaluating ideas for pre-writing.	0	0			[Graphic organizer.]  Which idea belongs in the blank space of the [graphic organizer]?		
Writing	Standard 3: Writing Process Students use the steps of the writing process as a writing piece moves toward completion as demonstrated by:	4	LI 4: applying appropriate tools (e.g., resources, reference materials) or strategies (e.g., peer review, rubrics) to rearrange and modify words, sentences, and paragraphs in order to clarify meaning.	0	0	MC Multiple Choice	GRAPHIC  Sentence with designated word underlined  Thesaurus/dictionary entry for a designated word	Read the sentence.  [One sentence with word underlined.]  Look at the thesaurus/dictionary entry for [underlined word].	Scored 1  4 OPTIONS	IV.L.2
			HI-4: applying appropriate tools (e.g. resources, reference materials) or strategies (e.g., peer review, rubrics) to rearrange and modify words, sentences, and paragraphs in order to clarify meaning.	3	0			[Graphic of thesaurus/dictionary entry.]  Which word best replaces [underlined word] in the sentence?		



### Stage IV Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Writing Paragraph	<b>Standard 4: Writing Elements</b> The student will integrate elements of effective writing to develop engaging and focused text as demonstrated by:	2	B-2: writing a paragraph, focused on a topic, that includes details, clear sequencing, and transitional words and phrases to connect ideas.	1	1	MC Multiple Choice	Paragraph (4 to 5 sentences; blank line in one sentence)	Read the paragraph from a student essay.  [Paragraph with a blank line in one sentence.]  Which word belong in the blank space?	Scored 1  4 OPTIONS  Transition-word[s]/phrase answer choices; only one answer choice is correct.	IV.L.1a
			LI-2: writing paragraphs with a logical organizing principle, transitions and relevant supporting details.	0	1					
			HI-2: writing paragraphs that use a structure that fits the type of writing, smooth and effective transitions, and a conclusion that provides a sense of resolution.	1	1					
			B-2: writing a paragraph, focused on a topic, that includes details, clear sequencing, and transitional words and phrases to connect ideas.	0	3		Paragraph (4 to 5 sentences; second/third/ fourth sentence is a blank line)	Read the paragraph from a student essay.  [Paragraph with a blank line as the second/third/fourth sentence.]  Which sentence belongs in the blank space?	Scored 1  4 OPTIONS One-sentence answer choices related to the paragraph; only one is a detail supporting the main idea/topic sentence, or fits the sequence of the information.	
			LI-2: writing paragraphs with a logical organizing principle, transitions and relevant supporting details.	2	2					
			HI-2: writing paragraphs that use a structure that fits the type of writing, smooth and effective transitions, and a conclusion that provides a sense of resolution.	0	1					

## Stage V Test Specifications by Domain

### AZELLA Item Specifications Description and Key

These Post-Development Item Specifications were based on the August 2011 Item Specifications utilized for the development phase of the AZELLA Assessments. They have been updated to reflect what was administered on the following assessments:

Stages II-V Fall 2011 Field Test

Stage I Spring 2012 Field Test

Stage I-V Spring 2013 Operational Test (with some embedded field test at Stages I and V)

Thinking on item specifications evolved since August 2011. This resulted in two types of changes:


- |            |   |
|------------|---|
| ADDED      | 1. Some assessable areas were added (indicated in PINK) in the documents.   |
| NOT TESTED | 2. Some assessable areas were not ultimately field tested (indicated in strikethrough and gray in the Item Specifications). |

Development counts for these administrations have been added to the Item Specifications in two columns.

The column "Op count" is the number of operational items on the 2013 operational test.

The column "FT only count" includes the number of field test items from 2011, 2012, or 2013 that have not been used operationally.

An asterisk denotes the count of the items embedded as field test in 2013 (applicable to Stage I and V only).

 We have highlighted in yellow the cells where a miscoding of field test items may have occurred in 2013, possibly due to the prior renumbering of the PI. This impacts 5 items, all field tested in 2013, all in Stage I Listening.

### Stage V Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	3	E-3: responding to fiction and nonfiction read-alouds by identifying main ideas/concepts and details in complete sentences.	0	0	MC Orally Administered/ Passage-based: Multiple Choice	Oral (30-40 word fiction or nonfiction passage)	Look at number XX.  Listen to the [passage/instructions/announcement]. [30-40 word fiction/nonfiction passage]  Now listen to the [passage/instructions/announcement] again to answer the question.  [main idea/concept/detail question (read to students)] [30-40 word fiction/nonfiction passage]  [main idea/concept/detail question (read to students)]  Listen to the answer choices. The answer choices are [answer choices read to students]. Mark your answer.	Scored 1  4 OPTIONS  phrases or sentences	V.L.1a
			B-3: responding to fiction and nonfiction read-alouds by identifying main ideas/concepts and supporting details in complete sentences.	3	5					

## Stage V Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening: Fiction or Nonfiction Passage	ListeningStandard 1: Comprehension of Oral CommunicationsThe student will demonstrate understanding of oral communications by:	3	E-3: responding to fiction and nonfiction read-alouds by identifying main ideas/concepts and details in complete sentences.	0	0	MC Orally Administered/Passage-based: Multiple Choice	Oral(50-70 word fiction or nonfiction passage)	Look at numbers XX and XX. Listen to the [passage/instructions/announcement]. [50-70 word fiction/nonfiction passage/instructions/announcement] Now listen to the [passage/instructions/announcement] again to answer the questions. [two questions about main idea/concept/ detail (read to students)] [50-70 word fiction/nonfiction passage/instructions/announcement] Listen to the question and the answer choices. Question number XX: [first question (read to students)] The answer choices are [answer choices (read to students)] Mark your answer. Listen to the question and the answer choices. Question number XX: [second question (read to students)] The answer choices are [answer choices (read to students)] Mark your answer.	Scored 14 OPTIONS phrases or sentences	V.L.1a
			B-3: responding to fiction and nonfiction read-alouds by identifying main ideas/concepts and supporting details in complete sentences.	0	5					

### Stage V Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	3	LI-3: summarizing main ideas/concepts and supporting details from fiction and nonfiction read-alouds in complete sentences.	3	2	MC Orally Administered/ Passage-based: Multiple Choice	Oral passage) (50-70 word sentence fiction/nonfiction passage)	<p>Look at number XX. Listen to the [passage/instructions/announcement].</p> <p>[50-70 word fiction/nonfiction passage]</p> <p>Now listen to the [passage/instructions/announcement] again to answer the question. [main idea/concept/detail question (read to students)]</p> <p>[50-70 word fiction/nonfiction passage]</p> <p>[main idea/concept/detail question (read to students)]</p> <p>Listen to the answer choices. The answer choices are [answer choices read to students]. Mark your answer.</p>	<p>Scored 1</p> <p>4 OPTIONS phrases or sentences</p>	None
				5	0			<p>[Note: This question is the second of two questions, the first of which is an HI-3 inference/conclusion question.]</p> <p>Listen to the question and the answer choices.</p> <p>Question number XX: [second (of two) question about main idea/concept/detail (read to students)]</p> <p>The answer choices are [answer choices (read to students)] Mark your answer.</p>		

### Stage V Listening – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	3	HI-3: making inferences and drawing conclusions using evidence from fiction and nonfiction read-alouds in complete sentences.	0	1	MC Orally Administered/ Passage-based: Multiple Choice	Oral (50-70 word sentence fiction/nonfiction passage)	<p>Look at number XX. Listen to the [passage/instructions/announcement].</p> <p>[50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>Now listen to the [passage/instructions/announcement] again to answer the question.</p> <p>[question about inferences made/drawing conclusions (read to students)]</p> <p>[50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>[question about inferences made/drawing conclusions (read to students)]</p> <p>Listen to the answer choices. The answer choices are [answer choices read to students].</p> <p>Mark your answer.</p>	<p>Scored 1</p> <p>4 OPTIONS complete sentences</p>	None

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Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	3	HI-3: making inferences and drawing conclusions using evidence from fiction and nonfiction read-alouds in complete sentences.	5	3	MC Orally Administered/ Passage-based: Multiple Choice	Oral (50-70 word sentence fiction/nonfiction on passage)	<p>[Note: This question is the first of two questions, the second of which is an LI-3 main idea question.]</p> <p>Look at numbers XX and XX. Listen to the [passage/instructions/announcement].</p> <p>[50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>Now listen to the [passage/instructions/announcement] again to answer the questions.</p> <p>[first (of two) question about inferences made/drawing conclusions, and second (of two) question about main idea (read to students)]</p> <p>[50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>Question number XX: [first (of two) question about inferences made/drawing conclusions (read to students)]</p> <p>The answer choices are [answer choices (read to students)] Mark your answer.</p>	<p>Scored 1</p> <p>4 OPTIONS complete sentences</p>	None

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Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	4	B-4: sequencing events from read-alouds, presentations and conversations.	0	0	MC Orally Administered/ Passage-based: Multiple Choice	Oral (50-70 word sentence fiction/nonfiction passage)	Look at number XX. Listen to the [passage/instructions/announcement].  [50-70 word fiction/nonfiction passage/instructions/announcement]  Now listen to the [passage/instructions/announcement] again to answer the question: [question about sequence of events (read to students)]  [50-70 word fiction/nonfiction passage/instructions/announcement]  [question about sequence of events (read to students)]  Listen to the answer choices. The answer choices are [answer choices (read to students)]  Mark your answer.	Scored 1  4 OPTIONS  phrases or sentences	None
			LI-4: sequencing events from read-alouds, presentations and conversations.	0	1					
			HI-4: sequencing events from read-alouds, presentations and conversations.	3	0					



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Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	4	B-4: sequencing events from read-alouds, presentations and conversations.	0	2	MC Orally Administered/ Passage-based: Multiple Choice	Oral (50-70 word sentence fiction/nonfiction on passage)	Look at numbers XX and XX. Listen to the [passage/instructions/announcement].  [50-70 word fiction/nonfiction passage/instructions/announcement]  Now listen to the [passage/instructions/announcement] again to answer the questions:  [two questions about sequence of events (read to students)]  [50-70 word fiction/nonfiction passage/instructions/announcement]  Listen to the question and the answer choices. Question number XX: [first question (read to students)]  The answer choices are [answer choices (read to students)] Mark your answer.	Scored 1  4 OPTIONS  phrases or sentences	None
			LI-4: sequencing events from read-alouds, presentations and conversations.	0	1			Listen to the question and the answer choices. Question number XX: [second question (read to students)]  The answer choices are [answer choices (read to students)] Mark your answer.		
			HI-4: sequencing events from read-alouds, presentations and conversations.	2	0					

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Listening: Fiction or Nonfiction Passage	Standard 1: Comprehension of Oral Communications The student will demonstrate understanding of oral communications by:	8	E-8: following multiple step directions/ instructions which include prepositional phrases.	0	0	MC Orally Administered/ Passage-based: Multiple Choice	Oral (50-70 word fiction/nonfiction multiple step passage/ instructions/ announcement for an academic assignment/procedure/ process with prepositional phrases)	<p>Look at number XX. Listen to the [passage/instructions/announcement].</p> <p>[50-70 word fiction/nonfiction multiple step passage/instructions/announcement]</p> <p>Now listen to the [passage/instructions/announcement] again to answer the question.</p> <p>[question about multiple step directions/instructions/procedures (read to students)]</p> <p>[50-70 word fiction/nonfiction passage/instructions/announcement]</p> <p>[question about multiple step directions/instructions/procedures (read to students)]</p> <p>Listen to the answer choices. The answer choices are [answer choices (read to students)] Mark your answer.</p>	Scored 1 4 OPTIONS	None
			B-8: following multiple step directions, instructions, and procedures which include prepositional phrases.	0	0					
			LI-8: following multiple step directions, instructions, and procedures which include prepositional phrases.	0	0					
			HI-8: following multiple step directions, instructions, and procedures which include prepositional phrases.	4	1					

### Stage V Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading	Standard 1: Print Concepts The student will demonstrate knowledge of print concepts by:	4	B-4: locating and applying specific information by using the organizational features of a book/resource/dictionary. (e.g., title, author, table of contents, index, glossary)	3	1	MC Multiple Choice	GRAPHIC  Elements of a book/dictionary/newspaper	Look at the [specific element of book/dictionary/newspaper].  [GRAPHIC]  Which/what [question asking students to locate specific information in the stimulus]?	Scored 1  4 OPTIONS  4 pieces of information from the stimulus	V.L.2.16
Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	6	B-6: applying knowledge of spelling pattern exceptions.	0	0	MC Multiple Choice	Sentence containing a word with an affix (without contextual clues to the meaning of the word)	The prefix/suffix [prefix/suffix] helps the reader know that the word [base with prefix/affix word with affix] means	4 OPTIONS  only one contain the meaning of the affix	V.L.2.E-7, B-7, LI-7
			LI-6: N/A	0	0					
			HI-6: N/A	0	0					

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Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	9	E-9: reading base words and inflectional endings and identifying their functions (i.e., tense, plurality, comparison and part of speech). (e.g., cleans = third-person singular present tense verb)	0	2	MC Multiple Choice	Sentence with a blank	Which word belongs in the blank?	<p>Scored 1</p> <p>4 OPTIONS</p> <p>(1) Word that fits context and order (2) Word that fits context, but not order (3) Word that fits order, but not context (4) Word that does not fit order or context</p>	V.L.1a
			B-9: reading words with appropriate pronunciation using the knowledge of parts of speech and the functions of inflectional endings.	0	1					
			<del>LI-9: applying knowledge of inflectional endings, to include regular and irregular forms, in context.</del>	0	0					
			<del>HI-9: applying knowledge of inflectional endings, to include regular and irregular forms, in context.</del>	0	0					

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Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	10	B-10: applying knowledge of affixes to base words in context.	0	0	MC Multiple Choice	Sentence containing a word with an affix (without contextual clues to the meaning of the word)	When you add the prefix/suffix [prefix/suffix], what is the meaning of the new word?	Scored 1  4 OPTIONS  only one option contains the meaning of the affix	V.L.2
			LI-10: applying knowledge of affixes to base words in context.	0	0					
			HI-10: applying knowledge of affixes to base words in context.	4	0					
Reading	Standard 2: Decoding The student will demonstrate knowledge of decoding by:	13	E-13: applying knowledge of word order (i.e., syntax) to confirm decoding of text.	3	0	MC Multiple Choice	Sentence with a blank	Which word belongs in the blank?	Scored 1  4 OPTIONS  (1) Word that fits context and order (2) Word that fits context, but not order (3) Word that fits order, but not context (4) Word that does not fit order or context	V.L.1a

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Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	E-4: answering literal questions about text.(e.g., who, what, when, and where)	0	1	MC Passage-based:Multiple Choice	Literary reading passage	[Who/what/where /when/why/which /how literal question about the passage.]	Scored 1 4 OPTIONS	None
			B-4: answering literal questions about text. (e.g., who, what, when, where, when, why, which, and how)	1	2					
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	LI-4: answering literal, inferential, prediction, evaluation, and/or personal response questions about text.	0	2	MC Passage-based: Multiple Choice	Literary reading passage	Which word/sentence describes/shows [inferential/prediction/evaluation question about the passage]?	Scored 1 4 OPTIONS  Vocabulary items can be written to this PI.	V.L.2
			HI-4: answering literal, inferential, prediction, evaluation, and/or personal response questions about text.	2	2			[Inferential, prediction, evaluation question about the passage.]		

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Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	E-8: identifying the main idea (explicit) and supporting details in text.	0	0	MC Passage-based: Multiple Choice	Literary reading passage	What is the main idea of the passage?	Scored 1 4 OPTIONS	None
			B-8: determining the main idea (explicit and implicit) and supporting details in text.	0	0					
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	LI-8: summarizing the main idea (explicit or implicit) and supporting details in text.	0	0	MC Passage-based: Multiple Choice	Literary reading passage	What is the best summary of the passage?	Scored 1 4 OPTIONS	None
			HI-8: summarizing the main idea (explicit or implicit) and supporting details in text.	0	1					

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Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	9	PE-9: identifying signal words that indicate sequential/chronological order. (e.g., first, next, finally)	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Which word/words from the passage indicates/indicate sequential/chronological order?	Scored 1 4 OPTIONS	V.L.1a
			E-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0					
			B-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0					
			LI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	0	0					
			HI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	0	0					
			PE-9: identifying signal words that indicate sequential/chronological order. (e.g., first, next, finally)	0	0			Read the sentence from the passage.  [Quoted text from the passage]  Which word/words indicates/indicate sequential/chronological order?		
			E-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0					
			B-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0					
			LI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	0	0					
			HI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	0	1					



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Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	10	E-10: identifying signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Which word/words from the passage indicates/indicate a comparison/contrast?	Scored 1 4 OPTIONS	None
			B-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					
			LI-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					
			HI-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					
			E-10: identifying signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0			Read the sentence from the passage.		
			B-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0			—[Quoted text from the passage]		
			LI-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0			Which word/words indicates/indicate a comparison/contrast?		
			HI-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					

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Reading: Literary Passage (Fiction)	Reading Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	11	<del>E-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)</del>	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Which word/words from the passage indicates/indicate cause and effect?	Scored 1 4 OPTIONS	None
			<del>B-11: locating signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)</del>	0	0					
			<del>LI-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)</del>	0	0					
			<del>HI-11: identifying signal words that indicate cause and effect. (as a result of, consequently, so that, because of, since)</del>	0	0					
			<del>E-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)</del>	0	0			Read the sentence from the passage:		
			<del>B-11: locating signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)</del>	0	0			— [Quoted text from the passage]		
			<del>LI-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)</del>	0	0			Which word/words indicates/indicate cause and effect?		
			<del>HI-11: identifying signal words that indicate cause and effect. (as a result of, consequently, so that, because of, since)</del>	0	0					

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Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	12	E-12: identifying author's main purpose (i.e., to inform, to persuade, to entertain).	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Why did the author write the passage?	Scored 1 4 OPTIONS	None
			B-12: identifying the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	1					
			LI-12: determining the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			HI-12: determining the author's point of view and/or stated or implied purpose (i.e., to inform, to persuade, to entertain).	0	3					
			E-12: identifying author's main purpose (i.e., to inform, to persuade, to entertain).	0	0			Based on the passage, which sentence best describes the author's opinion/belief about [idea in the passage]?		
			B-12: identifying the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			LI-12: determining the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			HI-12: determining the author's point of view and/or stated or implied purpose (i.e., to inform, to persuade, to entertain).	0	0					
			E-12: identifying author's main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			B-12: identifying the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0			What does the author believe about [idea in the passage]?		
			LI-12: determining the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			HI-12: determining the author's point of view and/or stated or implied purpose (i.e., to inform, to persuade, to entertain).	0	0					

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Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	13	B-13: identifying the cause and effect relationship of two related events in a literary selection.	0	0	MC Passage-based: Multiple Choice	Literary reading passage	What causes [something from the text]?	Scored 1 4 OPTIONS	None
			LI-13: determining the cause and effect relationship of two related events in a literary selection.	0	0					
			HI-13: determining the cause and effect relationship of two related events in a literary selection.	0	0					
			B-13: identifying the cause and effect relationship of two related events in a literary selection.	0	0					
			LI-13: determining the cause and effect relationship of two related events in a literary selection.	0	0			What caused [something from the text] to happen?		
			HI-13: determining the cause and effect relationship of two related events in a literary selection.	0	0					

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Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	14	B-14: drawing conclusions from information implied or inferred in a literary selection.	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Which word/sentence describes/shows [implication/inferential question about the passage]?	Scored 1 4 OPTIONS	None
			LI-14: drawing conclusions from information implied or inferred in a literary selection.	0	0			[Question that requires an inference or conclusion to be made by students.]		
			HI-14: drawing conclusions from information implied or inferred in a literary selection.	2	0					
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	15	B-15: describing and distinguishing between major and minor characters in a fictional text.	0	1	MC Passage-based: Multiple Choice	Literary reading passage	Who is the major character in the passage?	Scored 1 4 OPTIONS	None
			LI-15: describing the characteristics of the major and minor characters in a fictional text.	0	0					
			B-15: describing and distinguishing between major and minor characters in a fictional text.	0	0					
			LI-15: describing the characteristics of the major and minor characters in a fictional text.	0	1			Which word best describes [character]?		

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Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	15	HI-15: analyzing the motivations of the major and minor characters in a fictional text.	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Why does [character] do [something in the text]?	Scored 1 4 OPTIONS	None
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	16	B-16: describing the setting from a fictional text.	0	0	MC Passage-based: Multiple Choice	Literary reading passage	What is the setting of the story?	Scored 1 4 OPTIONS	None
			LI-16: describing the setting from a fictional text.	0	0					
			HI-16: describing the setting from a fictional text.	0	1					

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Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	17	E-17: identifying the plot (sequence of events) of a fictional text.	0	1	MC Passage-based: Multiple Choice	Literary reading passage	Which word/sentence describes/shows [question about plot/sequence of events in the passage]?  [Question about the plot/sequence of events in the passage.]	Scored 1  4 OPTIONS	None
				0	1			What happens before/after/when [question requiring the identification of the plot in the passage]?  [Question requiring the identification of the plot in the passage.]  [Do not focus on conflict.]		
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	17	B-17: identifying the conflict of a plot in a fictional text.	0	1	MC Passage-based: Multiple Choice	Literary reading passage	Which word/sentence describes/shows [question requiring identification of the conflict of the plot in the passage]?  [Question about the conflict in a passage.]	Scored 1  4 OPTIONS	None
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	17	HI-17: describing the plot and its components. (e.g., main events, conflict, rising action, climax, falling action and resolution.)	1	2	MC Passage-based: Multiple Choice	Literary reading passage	What happens before/after/when [question requiring the identification/description of component of the plot in the passage]?  [Question requiring the identification/description of component of plot in a passage.]  [Do not focus on conflict.]	Scored 1  4 OPTIONS	None

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Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	18	<del>PE-18: relating illustrations to fictional text.</del>	0	0	MC Passage-based: Multiple Choice	Literary reading passage  Graphic necessary	Which sentence from the passage matches the illustration?	Scored 1 4 OPTIONS	None
			<del>E-18: relating illustrations to fictional text.</del>	0	0					
			B-18: relating illustrations to fictional text.	1	0					
			<del>LI-18: relating illustrations to fictional text.</del>	0	0					
			<del>HI-18: relating illustrations to fictional text.</del>	0	0					
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	19	<del>B-19: comparing and contrasting two characters within a fictional text.</del>	0	0	MC Passage-based: Multiple Choice	Literary reading passage	What/Which [element of passage] describes/shows [question about comparing/contrasting/connecting two characters in the passage]?  [Question comparing/contrasting/connecting two characters in the passage.]	Scored 1 4 OPTIONS	None
			LI-19: comparing, contrasting, and describing the connection between two characters within a fictional text.	0	1					
			HI-19: comparing, contrasting, and describing the connection between two characters within a fictional text.	1	0					



## Stage V Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	35	B-35: identifying different elements of figurative language, including simile, metaphor, and personification in a literary selection.	0	0	MC Passage-based: Multiple Choice	Literary reading passage	Which sentence contains a simile/metaphor/personification?	Scored 1 4 OPTIONS	V.L.2
Reading: Literary Passage (Fiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	35	HI-35: interpreting figurative language, including simile, metaphor, personification, hyperbole, symbolism, and imagery in a literary selection.	2	0	MC Passage-based: Multiple Choice	Literary reading passage	Read the sentence from the passage.  [Sentence from the passage that contains a simile/metaphor/personification/hyperbole/symbolism/imagery.]  What does the sentence mean?	Scored 1 4 OPTIONS	V.L.2

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	E-4: answering literal questions about text. (e.g., who, what, when, and where)	0	0	MC Passage-based: Multiple Choice	Informational reading passage	[Who/what/where/when/why/which/how literal question about the passage.]	Scored 1 4 OPTIONS	None
			B-4: answering literal questions about text. (e.g., who, what, when, where, when, why, which, and how)	2	1					
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	LI-4: answering literal, inferential, prediction, evaluation, and/or personal response questions about text.	0	0	MC Passage-based: Multiple Choice	Informational reading passage	Which word/sentence describes/shows [inferential/prediction/evaluation question about the passage]?	Scored 1 4 OPTIONS	V.L.2
			HI-4: answering literal, inferential, prediction, evaluation, and/or personal response questions about text.	8	2			[Inferential, prediction, evaluation question about the passage.]		

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Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	E-8: identifying the main idea (explicit) and supporting details in text.	0	0	MC Passage-based: Multiple Choice	Informational reading passage	What is the main idea of the passage?	Scored 1 4 OPTIONS	None
			B-8: determining the main idea (explicit and implicit) and supporting details in text.	1	1					
			B-8: determining the main idea (explicit and implicit) and supporting details in text.	1	0					
			LI-8: summarizing the main idea (explicit or implicit) and supporting details in text.	0	0			What is the best summary of the passage?		
			HI-8: summarizing the main idea (explicit or implicit) and supporting details in text.	0	0					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	9	PE-9: identifying signal words that indicate sequential/chronological order. (e.g., first, next, finally)	0	0	MC Passage-based: Multiple Choice	Informational reading passage	Which word/words from the passage indicates/indicate sequential/chronological order?	Scored 1 4 OPTIONS	V.L.1.a
			E-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0					
			B-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0					
			LI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	0	0					
			HI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	0	1					
			PE-9: identifying signal words that indicate sequential/chronological order. (e.g., first, next, finally)	0	0			Read the sentence from the passage.		
			E-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0			— [Quoted text from the passage]		
			B-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0			Which word/words indicates/indicate sequential/chronological order?		
			LI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	0	0					
			HI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	0	0					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	10	E-10: identifying signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0	MC Passage-based: Multiple Choice	Informational reading passage	Which word/words from the passage indicates/indicate a comparison/contrast?	Scored 1 4 OPTIONS	None
			B-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					
			LI-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					
			HI-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	1					
			E-10: identifying signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					
			B-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					
			LI-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					
			HI-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					
								<del>Read the sentence from the passage:</del> <del>[Quoted text from the passage]</del> Which word/words indicates/indicate comparison/contrast?		

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	11	<del>E-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)</del>	0	0	MC Passage-based: Multiple Choice	Informational reading passage	Which word/words from the passage indicates/indicate cause and effect?	Scored 1 4 OPTIONS	None
			<del>B-11: locating signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)</del>	0	0					
			LI-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)	0	1					
			HI-11: identifying signal words that indicate cause and effect. (as a result of, consequently, so that, because of, since)	1	0					
			<del>E-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)</del>	0	0			Read the sentence from the passage.		
			<del>B-11: locating signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)</del>	0	0			—[Quoted text from the passage]		
			LI-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)	0	0			Which word/words indicates/indicate cause and effect?		
			<del>HI-11: identifying signal words that indicate cause and effect. (as a result of, consequently, so that, because of, since)</del>	0	0					

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Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	12	E-12: identifying author's main purpose (i.e., to inform, to persuade, to entertain).	0	0	MC Passage-based: Multiple Choice	Informational reading passage	Why did the author write the passage?	Scored 1 4 OPTIONS	None
			B-12: identifying the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			LI-12: determining the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	1					
			HI-12: determining the author's point of view and/or stated or implied purpose (i.e., to inform, to persuade, to entertain).	0	1					
			E-12: identifying author's main purpose (i.e., to inform, to persuade, to entertain).	0	0			Based on the passage, which sentence <b>best</b> describes the author's opinion/belief about [idea in the passage]?		
			B-12: identifying the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			LI-12: determining the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			HI-12: determining the author's point of view and/or stated or implied purpose (i.e., to inform, to persuade, to entertain).	0	1					
			E-12: identifying author's main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			B-12: identifying the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0			What does the author believe about [idea in the passage]?		
			LI-12: determining the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			HI-12: determining the author's point of view and/or stated or implied purpose (i.e., to inform, to persuade, to entertain).	0	1					

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Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	21	B-21: applying understanding of content area vocabulary within math, science, and social studies texts.	1	0	MC Passage-based: Multiple Choice	Informational reading passage	What does the word [word from the passage] mean in the passage?	Scored 1 4 OPTIONS words or phrases	V.L.2
			LI-21: applying understanding of content area vocabulary within math, science, and social studies texts.	0	0					
			HI-21: applying understanding of content area vocabulary within math, science, and social studies texts.	1	0					
Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	25	B-25: interpreting external text within nonfiction text for a specific purpose.	0	0	MC Passage-based: Multiple Choice	Informational reading passage  GRAPHIC Map, graph, chart, diagram, table, timeline, etc. attached to a nonfiction reading passage	[Question requiring an interpretation of information in the map/graph/chart/diagram/timeline of the passage.]	Scored 1 4 OPTIONS	None
			LI-25: interpreting external text within nonfiction text for a specific purpose.	0	0					
			HI-25: interpreting external text within nonfiction text for a specific purpose.	0	0					



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Reading: Informational Passage (Nonfiction)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	31	<del>E-31: comparing and contrasting two items within an expository text.</del>	0	0	MC Passage-based: Multiple Choice	Informational reading passage	According to the passage, how are [two things] alike/different?	Scored 1 4 OPTIONS	None
			<del>B-31: comparing and contrasting two items within an expository text.</del>	0	0					
			<del>LI-31: comparing and contrasting two items within an expository text.</del>	0	0					
			HI-31: comparing and contrasting two items within an expository text.	1	1					

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Reading: Functional Passage (Procedural)	Reading Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	E-4: answering literal questions about text. (e.g., who, what, when, and where)	0	0	MC Passage-based: Multiple Choice	Functional reading passage	[Who/what/where/when/why/which/how literal question about the passage.]	Scored 1 4 OPTIONS	None
			B-4: answering literal questions about text. (e.g., who, what, when, where, when, why, which, and how)	0	0					
Reading: Functional Passage (Procedural)	Reading Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	LI-4: answering literal, inferential, prediction, evaluation, and/or personal response questions about text.	0	0	MC Passage-based: Multiple Choice	Functional reading passage	Which word/sentence describes/shows [inferential/prediction/evaluation question about the passage]?  [Inferential, prediction, evaluation question about the passage.]	Scored 1 4 OPTIONS	V.L.2
			HI-4: answering literal, inferential, prediction, evaluation, and/or personal response questions about text.	1	0					

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Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	E-8: identifying the main idea (explicit) and supporting details in text.	0	0	MC Passage-based: Multiple-Choice	Functional reading passage	What is the main idea of the passage?	Scored 1 4 OPTIONS	None
			B-8: determining the main idea (explicit and implicit) and supporting details in text.	0	0					
Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	LI-8: summarizing the main idea (explicit or implicit) and supporting details in text.	0	0	MC Passage-based: Multiple-Choice	Functional reading passage	What is the best summary of the passage?	Scored 1 4 OPTIONS	None
			HI-8: summarizing the main idea (explicit or implicit) and supporting details in text.	0	0					

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Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	9	PE-9: identifying signal words that indicate sequential/chronological order. (e.g., first, next, finally)	0	0	MC Passage-based: Multiple Choice	Functional reading passage	Which word/words from the passage indicates/indicate sequential/chronological order?	Scored 1 4 OPTIONS	V.L.1.a
			E-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0					
			B-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0					
			LI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	0	0					
			HI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	1	0					
			PE-9: identifying signal words that indicate sequential/chronological order. (e.g., first, next, finally)	0	0					
			E-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0			Read the sentence from the passage.  — [Quoted text from the passage]		
			B-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0			Which word/words indicates/indicate sequential/chronological order?		
			LI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	0	0					
			HI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	0	0					

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Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	10	E-10: identifying signal words that indicate comparison/contrast. (e.g., <i>similarly, on the other hand, however, yet, in spite of</i> )	0	0	MC Passage-based: Multiple Choice	Functional reading passage	Which word/words from the passage indicates/indicate a comparison/contrast?	Scored 1 4 OPTIONS	V.L.1.a
			B-10: locating signal words that indicate comparison/contrast. (e.g., <i>similarly, on the other hand, however, yet, in spite of</i> )	0	0					
			LI-10: locating signal words that indicate comparison/contrast. (e.g., <i>similarly, on the other hand, however, yet, in spite of</i> )	0	0					
			HI-10: locating signal words that indicate comparison/contrast. (e.g., <i>similarly, on the other hand, however, yet, in spite of</i> )	0	0					
			E-10: identifying signal words that indicate comparison/contrast. (e.g., <i>similarly, on the other hand, however, yet, in spite of</i> )	0	0					
			B-10: locating signal words that indicate comparison/contrast. (e.g., <i>similarly, on the other hand, however, yet, in spite of</i> )	0	0			Read the sentence from the passage. —[Quoted text from the passage]		
			LI-10: locating signal words that indicate comparison/contrast. (e.g., <i>similarly, on the other hand, however, yet, in spite of</i> )	0	0			Which word/words indicates/indicate comparison/contrast?		
			HI-10: locating signal words that indicate comparison/contrast. (e.g., <i>similarly, on the other hand, however, yet, in spite of</i> )	0	0					

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Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	11	E-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)	0	0	MC Passage-based: Multiple Choice	Functional reading passage	Which word/words from the passage indicates/indicate cause and effect?	Scored 1 4 OPTIONS	None
			B-11: locating signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)	0	0					
			LI-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)	0	0					
			HI-11: identifying signal words that indicate cause and effect. (as a result of, consequently, so that, because of, since)	0	0					
			E-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)	0	0					
			B-11: locating signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)	0	0			Read the sentence from the passage.  —[Quoted text from the passage]		
			LI-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)	0	0			Which word/words indicates/indicate cause and effect?		
			HI-11: identifying signal words that indicate cause and effect. (as a result of, consequently, so that, because of, since)	0	0					

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Reading: Functional Passage (Procedural)	Reading Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	12	E-12: identifying author's main purpose (i.e., to inform, to persuade, to entertain).	0	0	MC Passage-based: Multiple-Choice	Functional reading passage	Why did the author write the passage?	Scored 4 4 OPTIONS	None
			B-12: identifying the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0			[Do not use if the passage type is explicit in the text.]		
			LI-12: determining the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0			Based on the passage, which sentence best describes the author's opinion/belief about [idea in the passage]?		
			HI-12: determining the author's point of view and/or stated or implied purpose (i.e., to inform, to persuade, to entertain).	0	0			What does the author believe about [idea in the passage]?		
			E-12: identifying author's main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			B-12: identifying the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			LI-12: determining the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			HI-12: determining the author's point of view and/or stated or implied purpose (i.e., to inform, to persuade, to entertain).	0	0					
			E-12: identifying author's main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			B-12: identifying the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			LI-12: determining the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).	0	0					
			HI-12: determining the author's point of view and/or stated or implied purpose (i.e., to inform, to persuade, to entertain).	0	0					

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Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	21	B-21: applying understanding of content area vocabulary within math, science, and social studies texts.	0	0	MC Passage-based: Multiple-Choice	Functional reading passage	What does the word [word from the passage] mean in the passage?	Scored 1 4 OPTIONS words or phrases	V.L.2
			LI-21: applying understanding of content area vocabulary within math, science, and social studies texts.	0	0					
			HI-21: applying understanding of content area vocabulary within math, science, and social studies texts.	0	0					
Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	22	E-22: following a written multiple-step procedural task.	1	0	MC Passage-based: Multiple Choice	Functional reading passage	At which step do you [step in task/procedure]?	Scored 1 4 OPTIONS	None
Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	25	B-25: interpreting external text within nonfiction text for a specific purpose.	0	0	MC Passage-based: Multiple-Choice	Functional reading passage  GRAPHIC	[Question requiring an interpretation of information in the map/graph/chart/diagram/timeline of the passage.]	Scored 1 4 OPTIONS	None
			LI-25: interpreting external text within nonfiction text for a specific purpose.	0	0		Map/graph/chart/ diagram/table/ imeline			
			HI-25: interpreting external text within nonfiction text for a specific purpose.	0	0		attached to a functional reading passage			



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Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	29	PE-29: locating information within functional documents (graphic organizers, menus, directories, flyers, brochures, etc.).	0	0	MC Multiple Choice	Functional reading passage	[Literal question locating information in the passage.]	Scored 1 4 OPTIONS	None
Reading: Functional Passage (Procedural)	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	29	E-29: interpreting information within functional documents (graphic organizers, manuals, recipes, memos, menus, directories, flyers, brochures, etc.).	0	0	MC Multiple Choice	Functional reading passage	[Inferential question interpreting information in the passage.]	Scored 1 4 OPTIONS	None
			B-29: interpreting information within functional documents.	0	0					
			LI-29: interpreting information within functional documents.	0	0					
			HI-29: interpreting information within functional documents.	1	1					

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Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	E-4: answering literal questions about text. (e.g., who, what, when, and where)	0	0	MC Passage-based: Multiple Choice	Persuasive reading passage	[Who/what/where/when/why/which/how literal question about the passage.]	Scored 1 4 OPTIONS	None
			B-4: answering literal questions about text. (e.g., who, what, when, where, when, why, which, and how)	0	2					
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	4	LI-4: answering literal, inferential, prediction, evaluation, and/or personal response questions about text.	0	1	MC Passage-based: Multiple Choice	Persuasive reading passage	Which word/sentence describes/shows [inferential/prediction/evaluation question about the passage]?	Scored 1 4 OPTIONS	V.L.2
			HI-4: answering literal, inferential, prediction, evaluation, and/or personal response questions about text.	0	0			[Inferential, prediction, evaluation question about the passage.]		

### Stage V Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	E-8: identifying the main idea (explicit) and supporting details in text.	0	0	MC Passage-based: Multiple Choice	Persuasive reading passage	What is the main idea of the passage?	Scored 1 4 OPTIONS	None
			B-8: determining the main idea (explicit and implicit) and supporting details in text.	1	2					
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	8	LI-8: summarizing the main idea (explicit or implicit) and supporting details in text.	0	0	MC Passage-based: Multiple Choice	Persuasive reading passage	What is the best summary of the passage?	Scored 1 4 OPTIONS	None
			HI-8: summarizing the main idea (explicit or implicit) and supporting details in text.	1	0					

## Stage V Reading – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	9	PE-9: identifying signal words that indicate sequential/chronological order. (e.g., first, next, finally)	0	0	MC Passage-based: Multiple-Choice	Persuasive reading passage	Which word/words from the passage indicates/indicate sequential/chronological order?	Scored 1 4 OPTIONS	V.L.1a
			E-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0					
			B-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0					
			LI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	0	0					
			HI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	0	0					
			PE-9: identifying signal words that indicate sequential/chronological order. (e.g., first, next, finally)	0	0			Read the sentence from the passage.		
			E-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0			— [Quoted text from the passage]		
			B-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now)	0	0			Which word/words indicates/indicate sequential/chronological order?		
			LI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	0	0					
			HI-9: locating sequential/chronological order signal words in text. (e.g., first, next, finally, today, now, meanwhile, not long ago)	0	0					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description : Options / Rubric	Language Strand Codes
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	10	E-10: identifying signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0	MC Passage-based: Multiple Choice	Persuasive reading passage	Which word/words from the passage indicates/indicate a comparison/contrast?	Scored 1 4 OPTIONS	None
			B-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					
			LI-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					
			HI-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	2	0					
			E-10: identifying signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					
			B-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					
			LI-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					
			HI-10: locating signal words that indicate comparison/contrast. (e.g., similarly, on the other hand, however, yet, in spite of)	0	0					
								Read the sentence from the passage. —[Quoted text from the passage] Which word/words indicates/indicate comparison/contrast?		

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	11	E-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)	0	0	MC Passage-based: Multiple Choice	Persuasive reading passage	Which word/words from the passage indicates/indicate cause and effect?	Scored 1 4 OPTIONS	None
			B-11: locating signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)	0	0					
			LI-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)	0	0					
			HI-11: identifying signal words that indicate cause and effect. (as a result of, consequently, so that, because of, since)	0	1					
			E-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)	0	0			Read the sentence from the passage.		
			B-11: locating signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)	0	0			—[Quoted text from the passage]		
			LI-11: identifying signal words that indicate cause and effect. (e.g., as a result of, consequently, so that, because of, since)	0	0			Which word/words indicates/indicate cause and effect?		
			HI-11: identifying signal words that indicate cause and effect. (as a result of, consequently, so that, because of, since)	0	0					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	12	<del>E-12: identifying author's main purpose (i.e., to inform, to persuade, to entertain).</del>	0	0	MC Passage-based: Multiple Choice	Persuasive reading passage	Why did the author write the passage?	Scored 1 4 OPTIONS	None
			<del>B-12: identifying the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).</del>	0	0					
			<del>LI-12: determining the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).</del>	0	0					
			HI-12: determining the author's point of view and/or stated or implied purpose (i.e., to inform, to persuade, to entertain).	1	1					
			<del>E-12: identifying author's main purpose (i.e., to inform, to persuade, to entertain).</del>	0	0			What is the author's purpose for writing the passage?		
			<del>B-12: identifying the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).</del>	0	0					
			<del>LI-12: determining the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).</del>	0	0					
			HI-12: determining the author's point of view and/or stated or implied purpose (i.e., to inform, to persuade, to entertain).	1	0					
			<del>E-12: identifying author's main purpose (i.e., to inform, to persuade, to entertain).</del>	0	0					
			<del>B-12: identifying the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).</del>	0	0			What is the author's opinion/belief about [idea in the passage]?		
			<del>LI-12: determining the author's point of view and/or main purpose (i.e., to inform, to persuade, to entertain).</del>	0	0					
			HI-12: determining the author's point of view and/or stated or implied purpose (i.e., to inform, to persuade, to entertain).	1	0					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	32	B-32: identifying fact and opinion in persuasive text.	1	1	MC Multiple Choice	Persuasive reading passage	Which statement from the passage is a/an fact/opinion?	Scored 1 4 OPTIONS	None



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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Reading: Persuasive Passage	Standard 4: Comprehending Text The student will demonstrate knowledge of reading comprehension by:	33	<del>B-33: identifying words used in persuasive text to affect the reader. (e.g., stereotypes, testimonial, exaggeration, loaded words, etc.)</del>	0	0	MC Multiple Choice	Persuasive reading passage	Read the sentence from the passage.	Scored 1  4 OPTIONS	None
			<del>LI-33: identifying words used in persuasive text to affect the reader. (e.g., stereotypes, testimonial, exaggeration, loaded words, etc.)</del>	0	0			[Sentence quoted from the passage]		
			HI-33: identifying words used in persuasive text to affect the reader. (e.g., stereotypes, testimonial, exaggeration, loaded words, etc.)	2	1			Which word/words/sentence from the passage does the author use to influence the reader?		
			<del>B-33: identifying words used in persuasive text to affect the reader. (e.g., stereotypes, testimonial, exaggeration, loaded words, etc.)</del>	0	0			Which word/words/sentence does the author use to persuade/influence the reader?		
			LI-33: identifying words used in persuasive text to affect the reader. (e.g., stereotypes, testimonial, exaggeration, loaded words, etc.)	0	1					
			<del>HI-33: identifying words used in persuasive text to affect the reader. (e.g., stereotypes, testimonial, exaggeration, loaded words, etc.)</del>	0	0					

### Stage V Speaking– AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	1	H-1: producing sentences with accurate pronunciation, intonation and stress.	20	10	RP 6	n/a	[sentence for the student to repeat]	Scored 0-6	V.L.1b
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	4	<div>B-4: participating in social conversations with familiar and unfamiliar people; sharing personal information, experiences, opinions, and abilities using complete sentences.</div> <div>LI-4: participating in formal and informal socio-functional communication tasks using complete sentences with instructional support.</div> <div>HI-4: participating in formal and informal socio-functional communication tasks using complete sentences.</div> <div>B-4: participating in social conversations with familiar and unfamiliar people; sharing personal information, experiences, opinions, and abilities using complete sentences.</div> <div>LI-4: participating in formal and informal socio-functional communication tasks using complete sentences with instructional support.</div> <div>HI-4: participating in formal and informal socio-functional communication tasks using complete sentences.</div>	<div>0</div> <div>0</div> <div>1</div> <div>0</div> <div>0</div> <div>1</div>	<div>0</div> <div>0</div> <div>1</div> <div>0</div> <div>0</div> <div>3</div>	SA4 OE Orally Administered/ Spoken Response	Oral	<div>Next, please answer in complete sentences.</div> <div>What [something students would like to do/have in the future]? Why would you like to [do/have in the future]?</div> <div>Next, please answer in complete sentences.</div> <div>What is your favorite [object/thing/place]?</div> <div>Why is it your favorite [object/thing/place]?</div>	Scored 0-4	V.L.1b V.L.2

### Stage V Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description: Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	5	PE-5: responding to academic questions in complete sentences.	0	2	SA4 OEO orally Administered/Spoken Response	GRAPHIC Graphic of animal/object/person/event	Look at number XX. Look at the picture. Please answer in complete sentences. What is happening in the picture? Tell one more thing about the picture.	Scored 0-4	V.L.1b

### Stage V Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	P I #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	5	E-5: asking and responding to academic questions in complete sentences.	0	1	SA4 OE Orally Administered/ Spoken Response	GRAPHIC  Two graphics of content area animals/object s/ persons/events with similarities and differences or academic charts and graphs that show similarities and differences.	Look at number XX. Look at the pictures. Please answer in complete sentences. What is one way the [things/events in the pictures] are different? What is one way the [things/events in the pictures] are similar?	Scored 0-4	V.L.1b V.L.2
			B-5: asking and responding to academic questions in complete sentences. (e.g., making comparisons, describing events, etc.)	0	0					
			LI-5: asking and responding to academic questions in complete sentences. (e.g., making comparisons, describing events, agreeing/disagreeing with others, etc.)	0	2					
			E-5: asking and responding to academic questions in complete sentences.	0	0					
			B-5: asking and responding to academic questions in complete sentences. (e.g., making comparisons, describing events, etc.)	0	0		None	Look at number XX. Look at the pictures. Please answer in complete sentences. What is happening in picture one? What is happening in picture two?		
			LI-5: asking and responding to academic questions in complete sentences. (e.g., making comparisons, describing events, agreeing/disagreeing with others, etc.)	0	1					
			E-5: asking and responding to academic questions in complete sentences.	0	0					
			B-5: asking and responding to academic questions in complete sentences. (e.g., making comparisons, describing events, etc.)	0	0					
			LI-5: asking and responding to academic questions in complete sentences. (e.g., making comparisons, describing events, agreeing/disagreeing with others, etc.)	0	0					
			HI-5: asking and responding to academic questions (i.e., agreeing/disagreeing with others, expressing probabilities, hypothetical questions, etc.) in complete sentences.	2	2			Look at number XX. Follow along as I read the statement. [Content area statement that students can agree/disagree with or express a probability] Please answer in complete sentences. Do you agree or disagree with this statement? Explain why you agree or disagree that [content area statement that students can agree/disagree with or express a probability].		

### Stage V Speaking – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	5	LI-5: asking and responding to academic questions in complete sentences. (e.g., making comparisons, describing events, agreeing/disagreeing with others, etc.)	0	1	SA4 OE Orally Administered/ Spoken Response	GRAPHIC  Content area graphic[s] about which students could express probabilities/information/similarities and differences]	<p>Look at number XX.</p> <p>Look at the [content-area graphics about which students could express probabilities/information/similarities and differences].</p> <p>Please answer in complete sentences.</p> <p>How are the [graphic] in the pictures different?</p> <p>How are the [graphic] in the pictures similar?</p>	Scored 0-4	V.L.1b V.L.2
				0	1			<p>Look at number XX.</p> <p>Look at the [content-area graphic about which students could express probabilities/information/similarities and differences].</p> <p>Please answer in complete sentences.</p> <p>Compare the information in the [graphic]. What is one thing that you learn from comparing the information in the [graphic]?</p> <p>What is one more thing that you learn from comparing the information in the [graphic]?</p>		

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	5	HI-5: asking and responding to academic questions (i.e., agreeing/disagreeing with others, expressing probabilities, hypothetical questions, etc.) in complete sentences.	1	0	SA4 OE Orally Administered/ Spoken Response	GRAPHIC  Content area graphic[s] about which students could express probabilities/information/similarities and differences]	<p>Look at number XX.</p> <p>Look at the [content-area graphic about which students could express probabilities/information/similarities and differences].</p> <p>Ask me one question about this [graphic].</p> <p>Ask me another question about this [graphic].</p>	Scored 0-4	V.L.1b V.L.2
				2	0			<p>Look at number XX.</p> <p>Look at the [content-area graphics about which students could express probabilities/information/similarities and differences].</p> <p>Please answer in complete sentences.</p> <p>How are the [graphic] in the pictures different?</p> <p>How are the [graphic] in the pictures similar?</p>		
				2	0			<p>Look at number XX.</p> <p>Look at the [content-area graphic about which students could express probabilities/information/similarities and differences].</p> <p>Please answer in complete sentences.</p> <p>What is one thing that you learn from the information in the [graphic]?</p> <p>Tell me one more thing that you learn from the information in the [graphic].</p>		

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	6	E-6: sharing a personal experience/story using complete sentences.	0	0	SA4 OE Orally Administered/ Spoken Response	Oral	<p>Please answer in two or more complete sentences.</p> <p>Tell about [a personal experience/interest/story].</p> <p>Include [who/what in the personal experience/interest/story] and why [detail about the personal experience/interest/story].</p>	Scored 0-4	V.L.1b V.L.2
			B-6: sharing a personal experience/story supported by details and examples in complete sentences.	0	0					
			LI-6: sharing a personal experience/story with descriptive language supported by details and examples in complete sentences.	0	0					
			HI-6: sharing a personal experience/story with descriptive language supported by details and examples in complete sentences.	1	2					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Speaking	Standard 2: Delivery of Oral Communications The student will communicate orally by:	10	<del>B-10: providing multiple step directions/ instructions using sentences and phrases.</del>	0	0	SA4 OE Orally Administered/ Spoken Response	GRAPHIC Graphic of map	Look at number XX.  Look at the map of the [place/city/area].  Please answer in two or more complete sentences.  Use the path marked on the map to tell how to get from the [one location on map] to the [another location on the map].	Scored 0-4	V.L.1a V.L.1b V.L.2
			<del>LI-10: providing multiple step directions/ instructions with specific details.</del>	0	0					
			HI-10: providing multiple step directions/ instructions with specific details.	2	1					
			<del>B-10: providing multiple step directions/ instructions using sentences and phrases.</del>	0	0					
			<del>LI-10: providing multiple step directions/ instructions with specific details.</del>	0	0					
			HI-10: providing multiple step directions/ instructions with specific details.	0	2			Please answer in two or more complete sentences. Give me clear instructions on how to [do something students would be familiar with]. Include at least four steps.		



### Stage V Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Writing	Standard 1: Writing Applications The student will express his or her thinking and ideas by using a variety of writing genres, as demonstrated by:	1	B-1: writing a narrative paragraph based on real and imagined events that includes characters, plot, and setting.	0	0	ER Written Response	None	<p>[Identifies a situation in which students write a "story" about a real or imagined experience.]</p> <p>Be sure to include:</p> <ul style="list-style-type: none"> <li>• Characters.</li> <li>• Setting.</li> <li>• Plot.</li> </ul> <p>[Do not require dialogue.]</p>	Scored 0-5	V.L.1b
			LI-1: writing one or more narrative paragraphs based on real and imagined events that include characters, dialogue, plot, and setting.	0	0					
			HI-1: writing one or more narrative paragraphs based on real and imagined events that include characters, plot, setting, and dialogue as appropriate.	0	4					
Writing	Standard 1: Writing Applications The student will express his or her thinking and ideas by using a variety of writing genres, as demonstrated by:	3	B-3: writing an expository paragraph that includes a topic sentence, supporting details, and a conclusion.	0	1	ER Written Response	None	<p>[Identifies a situation in which students write an expository paragraph about a topic familiar to students.]</p> <p>Be sure to include:</p> <ul style="list-style-type: none"> <li>• A topic sentence.</li> <li>• Supporting details.</li> <li>• A conclusion.</li> </ul>	Scored 0-5	V.L.1b

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Writing	Standard 1: Writing Applications The student will express his or her thinking and ideas by using a variety of writing genres, as demonstrated by:	7	B-7: writing a persuasive paragraph that states a position/claim and supports arguments with evidence.	0	0	ER Written Response	None	[Identifies a situation in which students write a persuasive paragraph/essay that states a position/claim about a topic familiar to students.]  Be sure to: • State your position. • Give reasons to support your position.	Scored 0-5	V.L.1b
			LI-7: writing a persuasive text that states a position/claim and supports arguments with evidence.	4	2*					
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	3	E-3: using capitalization at the beginning of sentences, proper nouns, the pronoun "I," and proper adjectives.	0	3	MC Multiple Choice	None	Which sentence uses capitalization correctly?	Scored 14 OPTIONS  One sentence with correct capitalization (proper noun or adjective).  Three sentences with incorrect or missing capitalization.	None

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	3	B-3: using capitalization at the beginning of sentences, proper nouns, the pronoun "I," proper adjectives, titles, and abbreviations.	0	0	MC Multiple Choice	None	Which sentence uses capitalization correctly?	<p>Scored 1</p> <p>4 OPTIONS</p> <p>One sentence with correct capitalization (titles or abbreviations).</p> <p>Three same sentences with incorrect or missing capitalization.</p> <p>Test the title of a person/place, not a book title.</p>	None
			LI-3: using capitalization at the beginning of sentences, proper nouns, the pronoun "I," proper adjectives, titles, and abbreviations.	0	0					
			HI-3: using capitalization at the beginning of sentences, proper nouns, the pronoun "I," proper adjectives, titles, and abbreviations.	1	1					

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Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	5	LI-5: using commas to punctuate items in a series, dates, greetings and closings of letters, direct address, introductory words, phrases, clauses, compound sentences, and appositives.	0	0	MC Multiple Choice	None	Which sentence uses punctuation/commas correctly?	Scored 1  4 OPTIONS  One sentence with correct comma for items in a series, direct address, introductory words and clauses, compound sentence).	None
			HI-5: using commas to punctuate items in a series, dates, greetings and closings of letters, direct address, introductory words, phrases, clauses, compound sentences, and appositives.	2	2			[Use "punctuation" when one answer choice is missing necessary comma(s).]	Three same sentences with incorrect or missing comma.	
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	6	LI-6: using quotation marks to punctuate dialogue, titles, and exact words from sources.	0	0	MC Multiple Choice	None	Which sentence uses punctuation/quotation marks correctly?	Scored 1  4 OPTIONS  One sentence with correct quotation marks.	None
			HI-6: using quotation marks to punctuate dialogue, titles, and exact words from sources.	2	1			[Use "punctuation" when one answer choice is missing necessary quotation marks.]	Three same sentences with incorrect or missing quotation marks.  (Dialogue, quotes from a source.)	

### Stage V Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	7	LI-7: using colons to punctuate time, salutations, and sentences introducing lists.	0	0	MC Multiple Choice	None	Which sentence/greeting uses punctuation/colons correctly?	Scored 1 4 OPTIONS One sentence with correct use of colons.	None
			HI-7: using colons to punctuate time, salutations, and sentences introducing lists.	2	0			[Use "punctuation" when one answer choice is missing necessary colons.]	Three same sentences with incorrect or missing colons. (Time, introduction of lists.)	
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	9	E-9: using apostrophes to punctuate contractions and singular possessives.	0	2	MC Multiple Choice	Sentence with underlined portion	Read the sentence. [One sentence with [in]correct contraction underlined.] Which word belongs in the underlined part of the sentence?	Scored 1 4 OPTIONS Two to three answer choices with incorrect use of apostrophe, and "correct as is" as one answer choice. (Contractions, singular possessives.)	V.L.2

### Stage V Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	9	<del>B-9: using apostrophes to punctuate contractions, singular possessives, and plural possessives.</del>	0	0	MC Multiple Choice	Sentence with underlined portion	Read the sentence.	<p>Scored 1</p> <p>4 OPTIONS</p> <p>Two to three answer choices with incorrect use of apostrophe, and "correct as is" as one answer choice.</p> <p>(Plural possessives.)</p>	V.L.1a
			<del>LI-9: using apostrophes to punctuate contractions, singular possessives, and plural possessives.</del>	0	0			[One sentence with [in]correct single/plural possessive underlined.]		
			HI-9: using apostrophes to punctuate contractions, singular possessives, and plural possessives.	2	1			Which word belongs in the underlined part of the sentence?		

### Stage V Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	2	<del>E-2: spelling words correctly.</del>	0	0	MC Multiple Choice	None	Which word is spelled correctly?	<p>Scored 1</p> <p>4 OPTIONS</p> <p>Correctly spelled word.</p> <p>Three misspellings of the same word.</p> <p>_____</p> <p>Four different words; only one is spelled correctly.</p> <p>(Commonly misspelled words.)</p>	None
			B-2: spelling words correctly.	0	2					
			<del>LI-2: spelling words correctly.</del>	0	0					
			HI-2: spelling words correctly.	2	2					

### Stage V Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	13	E-13: using verb tenses (simple present, simple past, simple future and present progressive) in a variety of writing applications.	0	3	MC Multiple Choice	None	Which sentence is correct?	Scored 1  4 OPTIONS  Four same sentences; only one sentence uses the correct verb tense.  (Simple present, simple past, simple future, present progressive.)	V.L.1a V.L.1b
			B-13: using verb tenses (simple and progressive) in a variety of writing applications.	0	1					
			E-13: using verb tenses (simple present, simple past, simple future and present progressive) in a variety of writing applications.	0	1		Sentence with underlined portion (verbs)	Read the sentence.  [One sentence with [in]correct verb tense underlined.]	Scored 1  4 OPTIONS  Two to three answer choices with incorrect use of verb tense, and "correct as is" as one answer choice.	
			B-13: using verb tenses (simple and progressive) in a variety of writing applications.	1	0			Which word[s] belong[s] in the underlined part of the sentence?	(Simple present, simple past, simple future, present progressive--irregular verbs.)	



### Stage V Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	14	E-14: using subject-verb agreement in sentences in a variety of writing applications.	0	0	MC Multiple Choice	None	Which sentence is correct?	<p>Scored 1</p> <p>4 OPTIONS</p> <p>One sentence with correct subject-verb agreement.</p> <p>Three same sentences with incorrect subject-verb agreement.</p>	V.L.1a
			B-14: using subject-verb agreement in sentences in a variety of writing applications.	0	0					
			LI-14: using subject-verb agreement in sentences in a variety of writing applications.	0	0					
			HI-14: using subject-verb agreement in sentences in a variety of writing applications.	2	3					

## Stage V Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	15	E-15: using noun phrases in sentences.	1	0	MC Multiple Choice	Sentence with underlined portion (noun phrase)	Read the sentence. [One sentence with [in]correct noun phrase underlined.] Which words belong in the underlined part of the sentence?	Scored 1 4 OPTIONS Two to three answer choices with incorrect use of noun phrase, and "correct as is" as one answer choice.	V.L.1a
Writing	Standard 2: Standard English Conventions The student will identify and apply conventions of standard English in his or her written communications by:	15	B-15: using noun, adverbial and/or prepositional phrases in sentences.	0	0	MC Multiple Choice	Sentence with underlined portion (adverbial or prepositional phrase)	Read the sentence. [One sentence with [in]correct adverbial or prepositional phrase underlined.] Which words belong in the underlined part of the sentence?	Scored 1 4 OPTIONS Two to three answer choices with incorrect use of adverbial or prepositional phrase, and "correct as is" as one answer choice.	V.L.1a V.L.1b
			LI-15: using noun, adverbial and/or prepositional phrases in sentences.	0	0					
			HI-15: using noun, adverbial and/or prepositional phrases in sentences.	1	3					

## Stage V Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Writing	Standard 3: Writing Process Students use the steps of the writing process as a writing piece moves toward completion as demonstrated by:	N2	E-2: using a variety of organizational strategies (e.g., outline, chart, table, graph, Venn diagram, web, story map, plot line, thinking maps, etc.) to plan writing, with support.	0	0	MC Multiple-Choice	GRAPHIC Chart, table, Venn diagram, web, story map, plot line with missing information	Look at the [graphic organizer].  [Graphic organizer.]  Which idea belongs in the blank space of the [graphic organizer]?	Scored 1  4 OPTIONS	None
			B-2: using a variety of organizational strategies (e.g., outline, chart, table, graph, Venn diagram, web, story map, plot line, thinking maps, etc.) to plan writing.	0	0					
			LI-2: using a variety of organizational strategies (e.g., outline, chart, table, graph, Venn diagram, web, story map, plot line, thinking maps, etc.) to plan writing.	0	0					
			HI-2: using a variety of organizational strategies (e.g., outline, chart, table, graph, Venn diagram, web, story map, plot line, thinking maps, etc.) to plan writing.	0	0					

### Stage V Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Writing	Standard 3: Writing Process Students use the steps of the writing process as a writing piece moves toward completion as demonstrated by:	12	B-12: using resources and reference materials (e.g., thesaurus, dictionary) to select more effective and precise language, with instructional support.	0	0	MC Multiple Choice	GRAPHIC	<p>Read the sentence.</p> <p>[One sentence with word underlined.]</p> <p>Look at the thesaurus/dictionary entry for [underlined word].</p> <p>[Graphic of thesaurus/dictionary entry.]</p> <p>Which word best replaces [underlined word] in the sentence?</p>	<p>Scored 1</p> <p>4</p> <p>OPTIONS</p>	V.L.2
			L-12: using resources and reference materials (e.g., thesaurus, dictionary) to select more effective and precise language.	0	0		Sentence with designated word underlined			
			HI-12: using resources and reference materials (e.g., thesaurus, dictionary) to select more effective and precise language.	2	2		Thesaurus/dictionary entry for a designated word			

## Stage V Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Writing Paragraph	Standard 4: Writing Elements The student will integrate elements of effective writing to develop engaging and focused text as demonstrated by:	1	B-1: including an identifiable main idea/topic sentence.	0	0	MC Multiple Choice	Paragraph (4 to 5 sentences; first sentence is a blank line)	Read the paragraph from a student essay.  [Paragraph beginning with a blank line as the first sentence.]  Which sentence belongs in the blank space?	Scored 1  4 OPTIONS  One-sentence answer choices related to the paragraph; only one is a topic sentence.	None
			LI-1: including an identifiable main idea, topic sentence, and/or thesis statement.	0	0					
			HI-1: including an identifiable main idea, topic sentence, and/or thesis statement.	2	3					
Writing Paragraph	Standard 4: Writing Elements The student will integrate elements of effective writing to develop engaging and focused text as demonstrated by:	6	B-6: using details to support the main idea/topic sentence.	0	0	MC Multiple Choice	Paragraph (4 to 5 sentences; second/third/fourth sentence is a blank line)	Read the paragraph from a student essay.  [Paragraph with a blank line as the second/third/fourth sentence.]  Which sentence belongs in the blank space?	Scored 1  4 OPTIONS  One-sentence answer choices related to the paragraph; only one is a detail supporting the main idea/topic sentence.	None
			LI-6: using details to support the main idea, topic sentence, and/or thesis statement.	0	0					
			HI-6: using details to support the main idea, topic sentence, and/or thesis statement.	2	2					

## Stage V Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Writing Paragraph	Standard 4: Writing Elements The student will integrate elements of effective writing to develop engaging and focused text as demonstrated by:	7	<del>B-7: using transitions among sentences, paragraphs, and ideas.</del>	0	0	MC Multiple Choice	Paragraph (4 to 5 sentences; blank line in one sentence)	Read the paragraph from a student essay.  [Paragraph with a blank line in one sentence.]  Which word [or words] belong[s] in the blank space?	Scored 1  4 OPTIONS  Transition-word[s]/phrase answer choices; only one answer choice is correct.	V.L.1a
			<del>LI-7: using transitions among sentences, paragraphs, and ideas.</del>	0	0					
			HI-7: using transitions among sentences, paragraphs, and ideas.	2	4					
Writing Paragraph	Standard 4: Writing Elements The student will integrate elements of effective writing to develop engaging and focused text as demonstrated by:	9	<del>B-9: creating an ending that provides a sense of resolution or closure.</del>	0	0	MC Multiple Choice	Paragraph (4 to 5 sentences; blank line as last sentence)	Read the paragraph from a student essay.  [Paragraph with a blank line as the last sentence.]  Which sentence belongs in the blank space?	Scored 1  4 OPTIONS  One-sentence answer choices related to the paragraph; only one fits as a concluding sentence.	None
			<del>LI-9: creating an ending that provides a sense of resolution or closure.</del>	0	0					
			HI-9: creating an ending that provides a sense of resolution or closure.	2	4					

### Stage V Writing – AZELLA Item Specifications – Spring 2012 and 2013

Domain (and Genre)	STANDARD	PI #	Performance Indicators	Op count	FT only count	Item Format / Type	Stimulus Description	Task Description: Stem / Prompt	Task Description Options / Rubric	Language Strand Codes
Writing Paragraph	Standard 5: Research The student will demonstrate research skills by using a variety of reference materials to complete a variety of writing tasks as evidenced by:	2	LI-2: locating and evaluating informational sources about a topic.	0	0	MC Multiple Choice	One-sentence writing scenario about student/teacher/school-context assignment/task	Which source is best to use for this assignment/task?	Scored 1 4 OPTIONS Title/type/description of sources; only one fits the assignment.	None
			HI-2: locating and evaluating informational sources about a topic.	2	0					

## Appendix B. ITEM WRITING WORKSHOP (SEC. 2.3)



This slide is a welcome message for the Arizona English Language Proficiency Assessment (AZELLA) Item Writing Workshop. It features a green vertical bar on the left with a circular graphic. The top left has the Office of English Language Acquisition Services logo with three children. The top right is the Arizona Department of Education seal. The center text reads 'WELCOME TO: Arizona English Language Proficiency Assessment (AZELLA) ITEM WRITING WORKSHOP July 11–15, 2011'. The bottom left shows the WestEd logo with the tagline 'excellence in research, development, and service'. The bottom right is the Pearson logo.

Office of English Language Acquisition Services

ARIZONA DEPARTMENT OF EDUCATION

**WELCOME TO:**

**Arizona English Language Proficiency Assessment (AZELLA)**

**ITEM WRITING WORKSHOP**

**July 11–15, 2011**

WestEd  
excellence in research, development, and service

PEARSON



This slide outlines the agenda for the workshop. It features a green vertical bar on the left with a circular graphic. The agenda is divided into three sections: 'Welcome & Introductions', 'Review of Agendas', and 'Housekeeping & Logistics', each with a bulleted list of topics. The WestEd logo is in the bottom right corner.

**Welcome & Introductions**

- Arizona Department of Education/OELAS
- WestEd & Pearson

**Review of Agendas**

- Day 1: Content/Bias & Team Item Writing
- Days 2–4: Team Item Writing
- Day 5: Team Item Writing & Debriefing

**Housekeeping & Logistics**

- Materials, Test Security & Confidentiality
- Participant Forms: Confidentiality Agreement
- Who To See About What
- Breakout Rooms
- Breaks & Lunches

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## Test Security & Confidentiality

- All AZELLA item writing materials you will see are **secure**.
- Test security and confidentiality ensures equal and fair testing.
- Sharing information on the process is allowable; sharing information regarding content is not allowed.
- Do not share with others (students, colleagues or anyone) what you have seen or heard regarding test materials



## Your AZELLA Item Writing Role

- You are here to share your ELL knowledge for specific grade levels.
- You are here representing the state of Arizona.
- You need to consider the diversity of Arizona ELL students when developing items.
- You must maintain the confidentiality of item content.



## **What is WestEd's role in the development of the AZELLA?**



## **Test Development Process**

- Item-Level Specifications
- **Content/Bias Passage Reviews**
- **Item Writing Workshops**
- Item Editing
- Content/Bias Item Reviews
- Field Testing Items & Forms Development



## Part 1: Passage Reviews



### General Content & Bias / Sensitivity Guidelines

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### General Guidelines Regarding AZELLA Passage Content

#### Genres by Stage

- Informational (Nonfiction): Stages I–V
- Literary (Fiction): Stages I–V
- Functional/Procedural: Stages III–V
- Persuasive: Stages IV–V

**These are called out in the new  
ELP Standards**

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## General Guidelines Regarding AZELLA Passage Content

### Passage Length by Stage

Stage II	Stage III	Stage IV	Stage V
Low end: 30–40 words/3 items	Low end: 60–80 words/3 items	Low end: 100–150 words/5 items	Low end: 125–175 words/5 items
Mid-range: 41–60 words/4 items	Mid-range: 81–120 words/4 items	Mid-range: 151–225 words/6 items	Mid-range: 176–250 words/6 items
Upper end: 61–100 words/6 items	Upper end: 121–250 words/6 items	Upper end: 226–300 words/8 items	Upper end: 251–350 words/8 items

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## General Guidelines Regarding Bias / Sensitivity

### Equal Opportunity & Access

The content and language of the items should provide all students with a fair opportunity to demonstrate what they know, regardless of:

- Gender
- Race / Ethnicity
- Culture
- Socioeconomic Status
- Location
- Religion
- Disabling Condition

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## **General Guidelines Regarding Bias / Sensitivity**

### **Appropriate Portrayal of Groups**

The subjects, issues, and/or themes addressed by the items must be approached in a way that does not demean, offend, or inaccurately portray any religious, ethnic, cultural, gender, or social group.

### **Protection of Privacy**

The content of the items cannot intrude on the privacy of the values or beliefs of students or their families.

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## **General Guidelines Regarding Bias / Sensitivity**

### **Appropriate Portrayal of Groups**

The subjects, issues, and/or themes addressed by the items must be approached in a way that does not demean, offend, or inaccurately portray any religious, ethnic, cultural, gender, or social group.

### **Protection of Privacy**

The content of the items cannot intrude on the privacy of the values or beliefs of students or their families.

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## **General Guidelines Regarding Bias / Sensitivity**

### **Topics to be Avoided**

- Death / Violence
- Questioning Parental Authority
- Family Issues
- Sex / Sexuality
- Occult
- Divorce
- Guns / Gun Control
- Drugs/Alcohol/Tobacco
- Homelessness
- Religion
- Creation / Evolution

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## **Considerations for Native American Peoples**

### **Topics to be Approached with Sensitivity**

- Respect for Animals
- Respect for the Earth
- Respect for Elders
- Respect for Native Topics & Native Histories
- Ceremonial Life as Proprietary
- Tribal Governance

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### **Considerations for ELLs & Accessible Language / Universal Design Principles**

- Avoid using jargon, idioms, and colloquialisms.
- Avoid superficial details and complex phrases or sentence structures.
- Use contexts (names, settings, scenarios) that will be familiar to students from diverse cultural and linguistic backgrounds and experiences.
- Use clear, culture-neutral visual support (e.g., illustrations) as a reference so students can verify their interpretation of text.

NOTE: The above and the "Item Writing Guidelines: English Language Learner Considerations" handout refers to both passage reviews and item development.

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### **Considerations for ELLs & Accessible Language / Universal Design Principles**

- Use simple, clear, commonly used words
- Avoid ambiguous and irregularly spelled words
- Use generic terms and proper names with simple spelling
- Avoid multiple terms for the same concept
- Avoid phrases with multiple meanings
- Make sure all noun-pronoun relationships are clear
- Avoid excessive sentence length and complexity
- Put important context first
- When possible, write closed stems that end with a question mark

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## Passage Reviews: Breakouts

- **Team 1:** Includes Stage I–II Participants (i.e., kindergarten through grade 2)
- **Team 2:** Includes Stage III Participants (i.e., grades 3 through 5)
- **Team 3:** Includes Stage IV Participants (i.e., grades 6 through 8)
- **Team 4:** Includes Stage V Participants (i.e., grades 9 through 12)

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## Part 2: Item Writing



## Item Writing Goals, Training & Practice

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## **Life of an Item: Writing & Editing Process**

- Step 1:** Items are written by teachers with ELL expertise.
- Step 2:** Items are reviewed by WestEd's editing team and undergo multiple levels of editing by a team of editors who have expertise in ELP assessment and high-stakes test development.
- Step 3:** Items are brought to Arizona for content and bias/sensitivity review by local ELL specialists. Review committee recommendations are considered by the ADE.
- Step 4:** The ADE reviews and approves items.



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## **Key AZELLA Item Development Resources**

- ✓ **New Arizona ELP Standards**
- ✓ **AZELLA Item Specifications**



## New Arizona ELP Standards

Each Stage follows the same format:

- Domain or Language Strand
- Proficiency Level Descriptors
- Standards
- Concept
- English Proficiency Level
- Performance Indicators
- ✓ **Copies of Stage-Specific ELP Standards and the Glossary are Available for all AZELLA Item Writing Teams**

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## AZELLA Item Specifications

Each Stage follows the same format:

- Domain / Standard
- Performance Indicators (PIs) to be Tested
- Item Format / Type
- Stimulus Description
- Task Description: Stem / Prompt
- Task Description: Options / Rubric
- Language Strand PIs that Align
- ✓ **A Copy of Stage- and Domain-Specific AZELLA Item Specifications is Provided for all Item Writers**

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## Item Development Topics

- General Item-Writing Guidelines
- Guidelines for Developing Multiple-Choice Items
- Guidelines for Developing Open-Response Items
- Item Writing Guidelines for ELLs: ELL Considerations, ELL Quick Check List, Language Demands / Complexities
- General Guidelines Regarding Bias / Sensitivity Issues (see Part 1)

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## General Item-Writing Guidelines

- Alignment to Standards
  - The match to ELP standards is essential to the validity of the AZELLA.
- Content Relevancy
  - Make sure the item assesses **important** knowledge or skills identified by standards.

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## General Item-Writing Guidelines

- **Grade-Level Appropriateness**
  - Make sure the item reflects the standards at the appropriate proficiency level for each grade level/span.
- **Basic vs. Technical Vocabulary**
  - Use simple, basic vocabulary instead of technical vocabulary unless you are assessing the students' knowledge of the *meaning* of the technical word/phrase.

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## General Item-Writing Guidelines

- **Grade-Appropriate Vocabulary**
  - Use grade-appropriate vocabulary as much as possible.
- **Essential Information**
  - Make sure that the item only includes information essential to understanding and answering the item. Text that is not essential increases the reading burden.

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## General Item-Writing Guidelines

- Clear, Correct, and Understandable Graphics
  - Include clear, correct, easily understood graphics as **required** by the item. Do not use a graphic if it is not really essential to answering the item.
- Bias and Sensitivity
  - Consider ***Bias and Sensitivity Guidelines*** when drafting items.

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## Guidelines for Developing Multiple-Choice Items

- Anatomy of a Multiple-Choice Item
- Common Formats for Multiple-Choice Items

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## Anatomy of a Multiple-Choice Item

### Stem:

The part of the item that Presents the question or Problem to be answered.

Who is the main character in the story? ←

### Answer Choices

- A. Marta
- B. Anabel
- C. Troy
- D. Edmundo \*

### Distractors:

The incorrect answer choices.

### Correct Answer

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## "Question" Format: Text

Who is the main character in the story?

- A. Marta
- B. Anabel
- C. Troy
- D. Edmundo

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## "Question" Format: Graphics

Which one grows?



A



B



C

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## Guidelines for Developing Multiple-Choice Items

- Only One Right Answer

There should be only one right answer. If another answer could also be considered technically correct, either change the wording of the distractor or of the stem (e.g., "Which **best** explains ..."; The **most** likely reason that ...").

- Positive Frame of Reference

The item stems should be stated in positive terms as much as possible. Item stems such as "Which is **not**..." should be used sparingly or if this is a skill being tested.

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## **Guidelines for Developing Multiple-Choice Items**

- **Absence of Double Negatives**

The use of negatives (e.g., “not”) in both the item stem and the answer choices is very confusing.

- **Absence of Absolutes**

Avoid the use of absolute terms (e.g., always, never, all, none, only) in the distractors as much as possible.

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## **Guidelines for Developing Multiple-Choice Items**

- **Absence of “Absolute” Opposites**

Whenever possible, avoid answer choices that are mutually exclusive opposites (e.g., living/non-living, fiction/nonfiction). When such opposites are used, the chances of getting the item correct due to guessing increases.

- **Clearly Formulated Item Stem**

Present a single, clear, complete problem or question in the stem of the item.

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## **Guidelines for Developing Multiple-Choice Items**

Tips for writing response options...

- Make the incorrect response options plausible.
- Make sure one response option does not stand out as being different from the other options.
  - One option should not be much longer or shorter than the others
  - Options should not be different grammatically (e.g., parallel in structure)


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## **Guidelines for Developing Multiple-Choice Items**

More tips...

- Avoid humorous or nonsensical response options.
- Avoid using the options “all of the above” and “none of the above.”
- Logically order response options that include numbers, dates, etc.
  - Numbers should be listed in ascending or descending order.
  - Unless testing the sequence of events from a passage, list options in the order in which they appear in the passage.

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## **Training Examples for AZELLA Multiple-Choice Items**

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### **AZELLA Multiple-Choice Reading Item**

Reading  
Standard 1: Print Concepts

The student will demonstrate understanding of print concepts of the English Language.

Performance Indicator B-3: identifying specific information by using the organizational features of a book, a dictionary and a newspaper (e.g., title, author, table of contents and glossary).

**Refer to Stage-Specific Examples in  
Reading Item Specifications**

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## **AZELLA Multiple-Choice Reading Item**

Reading  
Standard 1: Print Concepts

The student will demonstrate understanding of print concepts of the English Language.

Performance Indicator B-3: identifying specific information by using the organizational features of a book, a dictionary and a newspaper (e.g., title, author, table of contents and glossary).

**Refer to Stage-Specific Examples in  
Reading Item Specifications**

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## **AZELLA Multiple-Choice Writing Item**

Standard 2: Standard English Conventions

The student will identify and apply conventions of standard English in his or her written communications by:

Performance Indicator B-2: spelling single-syllable words using learned spelling patterns.

**Refer to Stage-Specific Examples in  
Writing Item Specifications**

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## **AZELLA Multiple-Choice Writing Item**

Which word is spelled correctly?



- A. write
- B. writ
- C. rite

**Refer to Stage-Specific Examples in  
Writing Item Specifications**

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## **AZELLA Multiple-Choice Listening Item**

Listening

Standard 1: Comprehension of Oral  
Communications

The student will demonstrate understanding  
of oral communications by:

Performance Indicator PE-1: distinguishing  
between phonemes in the initial and/or  
final positions of words.

**Refer to Stage-Specific Examples in  
Listening Item Specifications**

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## **AZELLA Multiple-Choice Listening Item**

Which picture shows a pan?



**A**



**B**



**C**

**Refer to Stage-Specific Examples in  
Listening Item Specifications**

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## **Guidelines for Developing AZELLA Open-Response Items**

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## Guidelines for Developing Open-Response Items

- Achievable Tasks

Make sure that the task is achievable.

If the item asks students to examine a graphic and then “ask two questions” or “tell two things” based on the graphic, make sure there is sufficient detail in the graphic for students to formulate at least two questions or statements about the graphic.

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## Guidelines for Developing Open-Response Items

- Clearly Formulated Prompt

Make sure that each item has an item prompt (i.e., one or more introductory sentences that set the stage for, or provide context for, the item). The prompt precedes the directions. Even if the item has a graphic, there still must be a prompt that describes or provides information related to the graphic and/or item directions.

NOTE: There may be exceptions for specific Listening or Speaking Performance Indicators.

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## **Guidelines for Developing Open-Response Items**

- **Clearly Formulated Directions**
  - If you want students to provide examples, the directions should tell students to provide examples and how many to provide.
  - If you want students to identify information, use the word “identify,” not “describe,” “explain,” etc. Choose your words carefully.
- **Clear Link Between Prompt and Directions**
  - The link between the prompt and the directions should be clear.

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## **Guidelines for Developing Open-Response Items**

- **Developing the Prompt**
- **Designing Directions**

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## **Guidelines for Developing Open-Response Items**

### **Developing the Prompt**

- What is the standard (performance indicator, content/skill) to be assessed?
- What specific prompt is appropriate to provide context for the students to demonstrate their knowledge?
- Is the prompt age-appropriate?
- Does it include extraneous or misleading information?

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## **Guidelines for Developing Open-Response Items**

### **Designing Directions**

- Do the directions clearly reflect knowledge and/or skills from the standard?
- Do the directions specify what students must do?
- Do the directions provide students the opportunity to demonstrate proficient performance?
- Are the directions clearly formulated?
- Is there a clear link between the prompt and the directions?
- Is the task achievable?

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## **Guidelines for Developing Open-Response Items**

### **Types of Open-Response Items**

- Single Dimension/Component
- Response to Provided Information



## **Training Examples for AZELLA Open-Response Items**



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## **AZELLA Open-Response Speaking Item**

Speaking

Standard 2: Delivery of Oral Communications

The student will communicate orally by:

Performance Indicator B-5: asking and responding to academic questions (who, what, where, when, why, how) using complete sentences (e.g., making comparisons and describing events, etc.) with instructional support.

**Refer to Stage-Specific Examples in  
Speaking Item Specifications**

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## **AZELLA Open-Response Speaking Item**

Look at number 1.



Tell me one thing that is the same and one thing that is different in these pictures.  
Answer in complete sentences.

**Refer to Stage-Specific Examples in  
Speaking Item Specifications**

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## **AZELLA Open-Response Writing Item**

Writing

Standard 1: Writing Applications

The student will express his or her thinking and ideas by using a variety of writing genres, as demonstrated by:

Performance Indicator B-1: writing a narrative paragraph based on imagined or real events that include characters and plot with three or more details using appropriate transitional words, with instructional support.

**Refer to Stage-Specific Examples in  
Writing Item Specifications**

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## **AZELLA Open-Response Writing Item**

Look at the picture.

Write a story about what you see in the picture.

Be sure to include details about the people and what they are doing.



**Refer to Stage-Specific Examples in  
Writing Item Specifications**

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### **When drafting open-response items ...**

- Draft items using item writing template.
- Write down examples of information that would be included in an acceptable response. If the information does not come easily, you probably do not have a good item.
- Evaluate the information to be sure that it is possible to distinguish the appropriate levels of response (e.g., 0–2, 0–4).
- Exchange items with someone else and have that person review the prompt, directions, and answer information.
- Revise item as needed.



### **Revisit Considerations for ELLs**

- "Item Writing Guidelines: English Language Learner Considerations"
  - Accessible Language / Universal Design Principles
- "Quick Reference Chart for Writing and Reviewing ELP Assessment Items"
- "Language Demands—Academic English Language Functions"



## Part 3: Item Writing



### AZELLA Item Writing Teams Stages I–V

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#### Before Breakout Sessions

- Questions & Answers
- Next Steps
- Reviewing the Agenda



**Thank you for sharing your ELL expertise and for being**

**Ambassadors  
of the  
Assessment!**

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## Appendix C. ITEM CONTENT & BIAS REVIEW MEETING (SEC. 2.3)



**WELCOME TO:**

**Arizona English Language  
Proficiency Assessment  
(AZELLA)**

**ITEM CONTENT & BIAS  
REVIEW MEETING**

**August 27, 2011**



### **Welcome & Introductions**

- Arizona Department of Education
- WestEd & Pearson

### **Review of Agenda**

- Content & Bias Training
- Small-Group Teams

### **Housekeeping & Logistics**

- Materials, Test Security & Confidentiality
- Confidentiality Agreement & Reimbursement
- Who To See About What
- Breakout Rooms
- Breaks & Lunch

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## Test Security & Confidentiality

- All AZELLA items and item specifications you will review are **secure**.
- Test security and confidentiality ensures equal and fair testing.
- Sharing information on the process is allowable; sharing information regarding content is not allowed.
- Do not share with others (students, colleagues or anyone) what you have seen or heard regarding test materials.



## Your AZELLA Item Review Role

- You are here to share your ELL knowledge for specific grade levels.
- You are here representing the state of Arizona.
- You need to consider the diversity of Arizona ELL students when reviewing items.
- You must maintain the confidentiality of item content.



## **What is WestEd's role in the development of the AZELLA?**



## **Test Development Process**

- Item-Level Specifications
- Content/Bias Passage Reviews
- Item Writing Workshops
- **Item Editing**
- **Content/Bias Item Reviews**
- Field Testing Items & Forms Development





## Item Reviews



## Content Review Guidelines

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## General Item Review Content Guidelines

### KEY REVIEW GUIDELINES



Refer to the “AZELLA  
Checklists for Content  
& Bias Reviews” and  
“Critical Conditions.”

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## **Key AZELLA Item Development Resources**

- ✓ **New Arizona ELP Standards**
- ✓ **AZELLA Item Specifications**

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## **New Arizona ELP Standards**

Each Stage follows the same format:

- Domain or Language Strand
- Proficiency Level Descriptors
- Standards
- Concept
- English Proficiency Level
- Performance Indicators
- ✓ **Copies of Stage-Specific ELP Standards are Available for all AZELLA Review Teams**

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## AZELLA Item Specifications

Each Stage follows the same format:

- Domain / Standard
- Performance Indicators (PIs) to be Tested
- Item Format / Type
- Stimulus Description
- Task Description: Stem / Prompt
- Task Description: Options / Rubric
- Language Strand PIs that Align
- ✓ **Copies of Stage- and Domain-Specific AZELLA Item Specifications are Provided for all Teams**



## General Guidelines Regarding AZELLA Passage Content

### Genres by Stage

- Informational (Nonfiction): Stages I–V
- Literary (Fiction): Stages I–V
- Functional/Procedural: Stages III–V
- Persuasive: Stages IV–V

**These are called out in the new ELP Standards**



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## General Item Review Content Guidelines

### KEY REVIEW GUIDELINES

#### Alignment to ELP Standards

- The match to ELP standards is essential to the validity of the AZELLA.
- Make sure the item assesses important knowledge or skills identified by standards and defined by specifications.



## General Item Review Content Guidelines

### KEY REVIEW GUIDELINES

#### Stage/Grade Appropriate

- Make sure the item reflects the standards at the appropriate proficiency level for each grade level/span.
- Use appropriate vocabulary unless the item is assessing students' knowledge of the *meaning* of the word.



## General Item Review Content Guidelines

### KEY REVIEW GUIDELINES

#### Accuracy of Critical Elements

- For multiple-choice items, ensure that there is one correct answer.
- Include clear, correct, easily understood graphics as **required** by the item. Do not use a graphic if it is not essential.



### Considerations for ELLs

- "Item Writing Guidelines: English Language Learner Considerations"
  - Accessible Language / Universal Design Principles
- "Quick Reference Chart for Writing and Reviewing ELP Assessment Items"
- "Language Demands—Academic English Language Functions"



## Item Reviews



### Bias / Sensitivity Review Guidelines

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### General Item Review Bias / Sensitivity Guidelines

#### KEY REVIEW GUIDELINES



Refer to the “AZELLA  
Checklists for Content  
& Bias Reviews” and  
“Critical Conditions.”

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## **General Item Review Bias / Sensitivity Guidelines KEY REVIEW GUIDELINES**

### **Bias Should be Avoided In**

- Reading Selections / Passages
- Item Stems and Prompts
- Response Options
- Graphics
- Item Directions



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## **General Item Review Bias / Sensitivity Guidelines KEY REVIEW GUIDELINES**

### **Equal Opportunity & Access**

The content and language of the items should provide all students with a fair opportunity to demonstrate what they know, regardless of:

- |                        |                       |
|------------------------|-----------------------|
| ▪ Gender               | ▪ Location            |
| ▪ Race / Ethnicity     | ▪ Religion            |
| ▪ Culture              | ▪ Disabling Condition |
| ▪ Socioeconomic Status |                       |



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## **General Item Review Bias / Sensitivity Guidelines KEY REVIEW GUIDELINES**

### **Appropriate Portrayal of Groups**

The subjects, issues, and/or themes addressed by the items must be approached in a way that does not demean, offend, or inaccurately portray any religious, ethnic, cultural, gender, or social group.

### **Protection of Privacy**

The content of the items cannot intrude on the privacy of the values or beliefs of students or their families.



## **General Item Review Bias / Sensitivity Guidelines KEY REVIEW GUIDELINES**

### **Topics to be Avoided**

- Death / Violence
- Questioning Parental Authority
- Family Issues
- Sex / Sexuality
- Occult
- Divorce
- Guns / Gun Control
- Drugs/Alcohol/Tobacco
- Homelessness
- Religion
- Creation / Evolution







## **General Item Review Bias / Sensitivity Guidelines KEY REVIEW GUIDELINES**

### **Considerations for Native American Peoples**

#### **Topics to be Approached with Sensitivity**

- Respect for Animals
- Respect for the Earth
- Respect for Elders
- Respect for Native Topics & Native Histories
- Ceremonial Life as Proprietary
- Tribal Governance

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### **Considerations for ELLs & Accessible Language / Universal Design Principles**

- Avoid using jargon, idioms, and colloquialisms.
- Avoid superficial details and complex phrases or sentence structures.
- Use contexts (names, settings, scenarios) that will be familiar to students from diverse cultural and linguistic backgrounds and experiences.
- Use clear, culture-neutral visual support (e.g., illustrations) as a reference so students can verify their interpretation of text.

NOTE: The above and the "Item Writing Guidelines: English Language Learner Considerations" handout refers to both passage reviews and item development.

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### **Considerations for ELLs & Accessible Language / Universal Design Principles**

- Use simple, clear, commonly used words
- Avoid ambiguous and irregularly spelled words
- Use generic terms and proper names with simple spelling
- Avoid multiple terms for the same concept
- Avoid phrases with multiple meanings
- Make sure all noun-pronoun relationships are clear
- Avoid excessive sentence length and complexity
- Put important context first
- When possible, write closed stems that end with a question mark

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### **Part 3: Item Reviews**



### **AZELLA Item Review Teams Stages I–V**

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## Before Breakout Sessions

### Review Process

- Focus on Review Guidelines for Content & Bias and Critical Conditions
- For Each Item, Indicate:
  - ✓ Accepted As Is
  - ✓ Acceptable With Changes
  - ✓ Not Accepted
- And Reason for Change/Rejection

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## Before Breakout Sessions

### Review Team Configurations

- Team 1: Stage I
- Team 2: Stage II, Group A
- Team 3: Stage II, Group B
- Team 4: Stage III, Group A
- Team 5: Stage III, Group B
- Team 6: Stage IV, Group A
- Team 7: Stage IV, Group B
- Team 8: Stage V, Group A
- Team 9: Stage V, Group B

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### **Before Breakout Sessions**

- Questions & Answers
- Next Steps
- Reviewing the Agenda



**Thank you for sharing your ELL  
expertise and for being**

**Ambassadors  
of the  
Assessment!**

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## **AZELLA**

### **CRITICAL CONDITIONS**

### **for Content & Bias Reviews**

**AZELLA Content Review—Check to ensure that the content of each item:**

- ☐ Content 1 (C1)—Aligns with the New Arizona ELP Standards
- ☐ Content 2 (C2)—Is Appropriate for the Stage and Associated Grade Levels
- ☐ Content 3 (C3)—Has Only One Correct Answer (Multiple-Choice Items) or Can be Scored with Associated Score Points (Short-Answer and Extended-Response Items)

**AZELLA Bias Review—Check to ensure that the content of each item:**

- ☐ Bias 1 (B1)—Is Free of Offensive, Disturbing, or Inappropriate Language or Content
  - for example: references to violence, tragedy, sex, drugs/alcohol, occult)
- ☐ Bias 2 (B2)—Is Free of Stereotyping
  - for example: gender, race/ethnicity, religion, cultural characteristics, socioeconomic status, age, regional or geographic area, disability, occupation)
- ☐ Bias 3 (B3)—Demonstrates Sensitivity to Groups
  - for example: use of contexts that are familiar to students from diverse cultural and linguistic background; sensitivity to Native America culture, including respect for animals, respect for the Earth, respect for elders

## **AZELLA Checklists for Content & Bias Reviews**

### **AZELLA Checklist for Content Review**

***Check to ensure that the content of each item:***

- ☐ Is targeted to assess only one Performance Indicator (unless specifications indicate otherwise).
- ☐ Deals with material that is important in testing the targeted Performance Indicator.
- ☐ Uses grade-appropriate content.
- ☐ Is presented at a reading level suitable for the grade level being tested.
- ☐ Is accurate and documented against reliable, up-to-date sources.
- ☐ Has a stem that facilitates answering the question or completing the statement without looking at the answer choices.
- ☐ Has a stem that does not present clues to the correct answer choice.
- ☐ Has answer choices that are plausible and attractive to the student who has not mastered the objective or skill.
- ☐ Is conceptually, grammatically, and syntactically consistent between the stem and answer choices, and among the answer choices.
- ☐ Has mutually exclusive distractors.
- ☐ Has one and only one correct answer choice.

### **AZELLA Checklist for Bias Review**

***Check to ensure that the content of each item is free of explicit references to or description of:***

- ☐ Events involving extreme sadness or adversity.
- ☐ Acts of physical or psychological violence.
- ☐ Alcohol or drug abuse.
- ☐ Vulgar language.
- ☐ Sexual content.

***If any religious, political, social, or philosophical issues are addressed, check to ensure that:***

- ☐ More than one point of view is expressed.
- ☐ Beliefs or biases do not interfere with factual accuracy.
- ☐ Contemporary issues that have already been proven to be controversial are absent.
- ☐ Stereotypic descriptions of beliefs or customs are absent.

**Test items must:**

- ☐ Be free of offensive, disturbing, or inappropriate language or content.
- ☐ Be free of stereotyping. Some areas of possible stereotyping are as follows.
  - gender
  - race
  - ethnicity
  - religion
  - cultural characteristics
  - socioeconomic status
  - age
  - regional or geographic area
  - disability
  - occupation
- ☐ Demonstrate sensitivity to historical representation of groups.
  - Be free of differential familiarity for any group based on language, socioeconomic status, regional/geographic area, or prior knowledge or experience unrelated to the subject matter being tested.
  - Be sensitive to Native American culture, especially in terms of the following topics:
    - Respect for animals
    - Respect for the Earth
    - Respect for elders
    - Respect for native topics & native histories
    - Ceremonial life as proprietary
    - Tribal governance

## Appendix D. INITIAL TEST BLUEPRINT FOR THE KINDERGARTEN PLACEMENT TEST (SEC. 3.2)

Listening Standard	Performance Indicator	Skill/Task (Task Number)	Item Type	Number of Items/Score Points	Number of Minutes for Administration
Listening/Speaking Standard 1: Comprehension of Oral Communications	PE-1, E-1, B-1	Distinguishing between individual phonemes dictated by the administrator (1)	MC (based on minimal pairs)	3 items 0-1	1.5 minutes
	PE-3	Responding to read-alouds by answering questions (2)	MC (pointing to pictures)	2 items 0-1	2 minutes
	PE-4, E-4	Sequencing pictures to retell a story (students provided three pictures and are asked to place them in the correct sequence) (3)	Performance task for students with simple rubric	1 item 0-2	2 minutes
	E-5, B-5	Following one-step and two-step directions for classroom activities (4)	Performance	3 items 0-1 0-2	2 minutes

Speaking Standard	Performance Indicator	Skill/Task (Task Number)	Item Type	Number of Items/Score Points	Number of Minutes for Administration
Listening/Speaking Standard 2: Delivery of Oral Communications	PE-2, E-2	Repeating individual phonemes ( 5)	OE	5 items 0-1	1.5 minutes
	PE-7, E-7	Repeating/responding to social greetings (6)	OE	3 items 0-1 0-2	1 minute
	PE-9, E-9, B-9**	Naming familiar objects displayed through manipulatives or pictures (7)	OE	5 items 0-1	2 minutes
	PE-10, E-10**	Repeating rhyming words and familiar rhymes (8)	OE	3 items 0-1 0-2	1.5 minutes



Reading Standard	Performance Indicator	Skill/Task	Item Type	Number of Points	Number of Minutes for Administration
Reading Standard 2: Phonemic Awareness	PE-2, E-2	Identifying pictures that illustrate words with the same initial sound (9)	MC (pointing to pictures)	3 items 0-1	1
Reading Standard 3: Comprehending Text	PE-2, E-2	Predicting story elements based on the cover of a book (10)	OE	1 item 0-3	2
	PE-6	Retelling a story using illustrations as support (11)	OE	1 item 0-3	2

Prewriting Standard	Performance Indicator	Skill/Task	Item Type	Number of Points	Number of Minutes for Administration
Writing Standard 3: Writing Processes	PE-3, E-3*	Adding detail to drawings (e.g., adding features to a face, house) (12)	OE	2 items 0-1	1.5

\*The writing indicator requires the students to draw, so these items would also test if students have basic motor skills with a crayon or pencil.

## **Appendix E. REPORT ON DATA COLLECTION FOR THE AZELLA KINDERGARTEN PLACEMENT TEST ITEM TRYOUT STUDY (SEC. 3.3)**

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### **Report on Data Collection for the AZELLA Kindergarten Placement Test**

#### **Item Tryout Study**

WestEd proposed to the Arizona Department of Education (ADE) a study intended to inform decisions concerning the development of the AZELLA Kindergarten Placement Test (KPT). WestEd designed and conducted cognitive interviews with students in Title I pre-kindergarten programs across school sites selected by ADE staff. This report presents information from the cognitive interviews conducted in Arizona schools between January 23 and January 26, 2012. The following sections present an overview of and rationales for the study; the cognitive interview methodology; and findings.

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## Study Overview

ADE seeks to develop a Kindergarten Placement Test to be administered to children who are entering kindergarten and who have been identified as English language learners (ELLs) by the Primary Home Language Other Than English (PHLOTE) assessment. The primary purpose of the assessment is to determine whether students who have been identified by the PHLOTE assessment as ELLs are in need of English language proficiency (ELP) instruction in order to succeed in a regular classroom. In addition, ADE desires information to support the relative placement of students within the kindergarten ELP program.

Through this study, ADE seeks information to support the development of items that are accessible to and appropriate for ELL students entering kindergarten in the domains of prereading, prewriting, listening, and speaking. The kindergarten ELP standards adopted by the state in 2011, which define expectations for students as they exit kindergarten, serve as a reference to help define expectations for students as they enter kindergarten. This cognitive interview study is designed to systematically evaluate the ability of items in these domains to engage students and to facilitate students' ability to reliably and validly demonstrate what they know and can do.

More specifically, this cognitive interview study is intended to address the following primary question:

Are the developed Kindergarten Placement Test activities and tasks  
(test items) feasible for use with a pre-kindergarten population  
to measure linguistic constructs for ELP?

Additionally, the cognitive interview study provides information as to whether the length of time to complete the tasks is appropriate for a preschool population.

The study findings are based on the results from interviews with 106 students enrolled in publicly funded preschool programs drawn from school districts in Flagstaff, Tempe, Paradise Valley, Phoenix, Scottsdale, and Tucson and two Head Start programs in Phoenix. Sites participating in the Kindergarten Placement Test cognitive interviews are listed below.

### Public Schools:

1. Echo Mountain Primary/Title I: Paradise Valley SD
2. Emerson Elementary/Title I: Phoenix Elementary SD
3. Herrera Elementary/Title I: Phoenix Elementary SD
4. Leupp School/Title I: Flagstaff Unified SD
5. Manzo Elementary/Title I: Tucson Unified SD
6. Nevitt Elementary/Title I: Tempe Elementary SD
7. Palomino Primary School/Title I: Paradise Valley SD
8. Tonalea Elementary/Title I: Scottsdale Unified SD



Head Start Programs:

1. Heard Elementary/Head Start GPUL
2. Travis Williams Family Center/Head Start GPUL

**Rationale for Cognitive Interviews**

Cognitive interviewing strategies are drawn from the family of process-tracing or verbal protocol models, which can be used to confirm or verify hypotheses about access to tested content. They provide a forum for researchers to test assumptions about the intent of an item or question. By micro-analyzing the items (Solano-Flores & Trumbull, 2003), researchers can simultaneously gather information about students' understandings of task expectations; their levels of mastery of the content; and the reasoning processes, problem-solving strategies, and adaptive skills students use when answering test questions (Ericsson & Simon, 1980, 1993; Paulsen & Levine, 1999).

During a cognitive interview, researchers observe students individually as they respond to test questions or perform tasks. As students attempt to answer each question or solve each task or problem, they are encouraged to articulate, or describe out loud, their interpretation of what the task required and the steps or processes needed to complete the task (concurrent data collection). Student comments, observations, insights, and responses about directions, item stems, response choices, and graphics or stimuli help researchers check assumptions about whether a test item is functioning as intended—that is, whether the assessment task actually taps the cognitive processes that are intended to be assessed (National Research Council, 2001).

The cognitive interview process used in Arizona was conducted in three steps (adapted from Sato, Rabinowitz, Gallagher, & Huang, in press). In the first step, the student was asked a few social interaction questions, to allow the student to become familiar with the interviewer and the interview process. In the second step, data were collected concurrently as the student spoke out loud as he/she attempted to answer each test question. Via prompts, the researcher interacted with the student to elicit verbal and nonverbal responses that indicated the student's understanding of the test question and strategies for answering the question. In the third step, the retrospective stage of data collection, the student was asked specific questions about the test item (probes) immediately after answering the question. At this point, students could look back, recall, and show/tell what they did to answer the question or solve the problem; in this way, researchers could verify or clarify students' earlier responses. Once the student responded to all test items, the researcher asked a set of follow-up questions to clarify or verify information collected earlier and/or to probe deeper into the student's thinking processes about that item.

This multi-step process helps reveal the types of prior/background knowledge and/or requisite skills that may support students' abilities to respond to the item and to assess the consequences of their decisions (Kopriva, 2001). Data collected through cognitive interviews contribute information to validate interpretations of test performance outcomes by indicating the





degree to which students' demonstrated understanding accords with the construct intended to be measured by the item. From these interviews, data can be used to inform decision-making about which item types would prove most conducive to eliciting what students know and can do.

## **Method<sup>1</sup>**

All interviews were conducted individually during school hours in the students' home schools. All test items were administered orally, and all directions, prompts, stimuli, and item stems were provided in English only. Directions and stimuli could be repeated or recast at the discretion of the researcher.

As originally designed, a complete Kindergarten Placement Test form consisted of four distinct "activities," which in turn were composed of related, yet distinct, test tasks. The total number of items in each activity varied from three (Activity 4) to ten (Activity 3).

To minimize the cognitive load on students and to shorten the testing time (each interview lasted approximately 10 to 12 minutes), each student was administered a subset of a complete form: either Activities 1 and 2, Activities 1 and 3, or Activities 1 and 4. By dividing the number of activities in this manner and only administering approximately half of a complete form to each student, researchers were able to collect data from a greater number of students in the time available. A select number of students were administered all four activities, to gauge whether or not the length of the entire test would be too taxing for students at this age.

## **Sample**

The target sample size for this study was 106. All students were four- and five-year-old children enrolled in publicly funded preschool programs. Although most students were from homes where a language other than English was spoken, a representative monolingual (English-only) group was also administered the interview, to ensure that the test tasks were not too cognitively demanding for pre-kindergarten students who speak English.

## **Informed Consent**

ADE provided districts with the following letter to send to parents/guardians in order to seek permission for children to participate in the cognitive interviews.

Your child's class has been selected to participate in an activity that will help the Arizona Department of Education develop a new Kindergarten English language proficiency test.

---

<sup>1</sup> Adapted from Sato et al. (in press) and Johnstone et. al. (2006).



This activity is structured like a game and is expected to be fun for your child. Two adults from the Arizona Department of Education will visit your child's classroom during the week of January 23, 2012. Your child's participation in the activity will take about 15 minutes. Your child's responses will be kept private and used only in creating the new test. This activity will not be scored. The information from this activity will not be used at the school for any purpose.

We thank you in advance for your support of our efforts to develop a Kindergarten Placement Test. Please sign that you know about your child's participation.

Only students with a letter signed by a parent or guardian were considered for inclusion in the cognitive interviews.

### **Interview Process**

Interviews were conducted by three WestEd researchers working with three members from ADE. At the beginning of each interview, the student was told that the researchers were developing a new game and sought the student's assistance. Three stickers were given to the student: one at the beginning of the interview and another at the completion of each activity. The student was given a "game card" on which to place his/her stickers. This approach made the interviews less "testlike" and more like a game or regular classroom activity. All interviews were timed for length of administration and also audio recorded for later review and analysis.

To ensure a representative number of responses to each item type, researchers rotated the administration among the three different booklet configurations. The goal was to administer each subset of activities to an equal number of students within each test group (in some instances, two or more researchers conducted interviews at the same test site but with students in different classrooms). This approach allowed each researcher to administer each booklet configuration approximately four times within each test group.

To gain some understanding as to whether the length of the form was appropriate for the preschool population, a few students were administered all four activities and associated tasks.

### **Item Booklets**

As previously noted, the cognitive interview booklets were configured in one of three ways:

1. Activities 1 and 2
2. Activities 1 and 3
3. Activities 1 and 4

Table 1 outlines the combinations of activities for the three interview booklets and the total number of items associated with each set of activities.

**Table 1. Number of Items in Each Cognitive Interview Booklet Configuration**

Interview Booklet	Activities	Total Number of Items
1	Activities 1 and 2	17
2	Activities 1 and 3	21 (plus 2 sample items)
3	Activities 1 and 4	11

Although the third booklet contained fewer items than the other two booklets, the final item in Activity 4 required students to retell a story based on a three-panel storyboard, which required a more complex response than other items.

Table 2 describes the tasks and the item type developed for each activity and identifies the number of items related to each task.

**Table 2. Description of Items in the Kindergarten Placement Test Cognitive Interviews**

Activity	Test Task	Comments and Directions	Number of Items
1	A	Student is asked four non-threatening, non-intrusive questions, such as "What is your name?"	4
	B	Student is asked to complete three physical actions or directions that involve one or two steps.	4
<b>Activity 2:</b> Student is shown a laminated prompt picture designed to look like the cover of a book and asked a number of questions related to the picture.			
2	A	Student is asked to name five objects in the picture.	5
	B	Student is asked to complete two elements in the picture by drawing/coloring, e.g., a cloud or window.	2
	C	Student is asked to predict what the story is about based on the prompt picture (choosing from three pictures).	1





Activity	Test Task	Comments and Directions	Number of Items
	D	Student listens to a story involving some of the same characters or elements as in the prompt picture. Student is asked to identify the pictures in the correct sequence in which the events occurred.	1
<b>Activity 3:</b> Student is shown pictures of objects and asked to repeat a word or words. For some items, the student is asked to identify the picture that begins with the same first sound as a prompt picture.			
3	A	Student is asked to raise his/her hand when an identified phoneme is heard in a word.	2
	B	Student is asked to repeat individual phonemes or words based on prompt pictures.	2
	C	Student is asked to repeat rhyming words based on prompt pictures.	2
	D	Student is asked to repeat short sentences based on prompt pictures.	3
	E	Student is asked to identify the picture that begins with the same sound as a prompt picture, e.g., "This is a boy. Which picture has the same beginning sound as <i>boy</i> ?"	3
<b>Activity 4:</b> Student is read a story and asked two literal questions about the story. The student is shown a three-panel storyboard of the story and asked to retell the story, using the storyboard as support.			
4	A	Student is asked questions based on a story. Student indicates which picture is the correct answer (e.g., "What does the boy do at the park?").	2





Activity	Test Task	Comments and Directions	Number of Items
	B	Student is told a story based on a storyboard of three pictures and then asked to retell the story.	1

## Findings

At the conclusion of the interviews, the researchers compared their field notes, reviewed the audio recordings, and tabulated collected data to see which aspects of the activities or items were successful and which ones were problematic. Given these items were developed by content specialists who had both direct teaching with ELLs and experience in developing items for the target audience, care was given to address issues of cultural and linguistic bias throughout the development process. However, the content of some items were found to be more difficult than others and some of this was attributed to possible opportunity to learn issues. On the basis of these findings, revisions were made to the items and/or scoring criteria to clarify any issues found with the items as initially presented (changes in images presented to ensure greater access, expansion of scoring rules to include responses provided by students that were viewed as semantically equivalent).

## Summary

This cognitive interview study systematically evaluated the ability of each innovative item type to engage students to demonstrate what they know and can do.

The intention of the cognitive interview study was to address the following question:

Are the developed Kindergarten Placement Test activities and tasks (test items) feasible for use with a preschool population to measure linguistic constructs for ELP?

The collected data indicated that many tasks worked very well; that other tasks would likely work well with minor revisions; and that a few tasks did not work and could most likely not be modified to be appropriate for a preschool population. Students were asked follow-up questions throughout the interviews so that researchers could better evaluate the items and how well the students interacted with the item formats. Notes and observations were collected, tabulated, and analyzed after the interviews were conducted. These data were used to further enhance and revise the item types and formats prior to field testing.



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## Appendix F. DIF STATISTICS AND LOGISTIC REGRESSION DIF RESULTS (SEC. 6.4)

**Table F.1: DIF Statistics in Prereading on Kindergarten Placement Test**

Item	Item Type	Focal Group: Female Reference Group: Male							Focal Group: Hispanic Reference Group: Non-Hispanic							Focal Group: ELL Reference Group: Non-ELL						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
1	PR1	194	160	0.06	0.15	0.03	A		296	60	1.93	1.04	0.11	A		356	144	1.43	0.76	0.06	A	
2	PR1	330	280	1.68	0.55	0.10	A		511	101	2.43	-0.90	-0.14	A		612	371	1.78	0.50	0.08	A	
3	PR1	194	160	0.75	0.49	0.09	A		296	60	8.25	-2.17	-0.36	C<		356	144	0.13	-0.20	0.06	A	
4	PR1	194	160	0.16	-0.23	-0.04	A		296	60	0.24	-0.39	-0.08	A		356	144	5.70	1.36	0.21	A	
5	PR1	136	120	0.06	-0.19	0.00	A		215	41	0.07	-0.34	-0.12	A		256	227	5.62	1.58	0.22	A	
6	PR1	136	120	0.27	-0.35	-0.04	A		215	41	5.77	-2.33	-0.49	A		256	227	0.04	0.10	-0.05	A	
7	PR1	136	120	0.50	0.47	0.07	A		215	41	0.94	-0.89	-0.06	A		256	227	0.19	0.23	0.00	A	
8	OR3	194	160	10.58		0.19	A		296	60	1.65		-0.03	A		356	144	5.49		-0.19	A	
9	OR3	136	120	4.56		-0.17	A		215	41	3.35		0.25	A		256	227	10.46		-0.20	A	

Note: OR=1 Point Oral Response Item, PR1=1 Point Physical Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.2: DIF Statistics in Prewriting on Kindergarten Placement Test**

Item	Item Type	Focal Group: Female Reference Group: Male							Focal Group: Hispanic Reference Group: Non-Hispanic							Focal Group: ELL Reference Group: Non-ELL						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
10	PR1	194	160	0.57	-0.63	-0.07	A		296	60	0.18	-0.44	-0.06	A		10	PR1	356	144	0.18	0.47	
11	PR1	194	160	1.01	-0.77	-0.10	A		296	60	0.68	0.76	0.07	A		11	PR1	356	144	0.06	0.25	
12	PR1	136	120	0.51	0.69	0.06	A		215	41	1.21	-2.67	-0.08	A		12	PR1	256	227	0.08	-0.24	
13	PR1	136	120	0.11	0.32	0.03	A		215	41	0.03	-0.39	0.18	A		13	PR1	256	227	1.09	-0.94	

Note: PR1=1 Point Physical Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.3: DIF Statistics in Listening on Kindergarten Placement Test**

Item	Item Type	Focal Group: Female Reference Group: Male							Focal Group: Hispanic Reference Group: Non-Hispanic							Focal Group: ELL Reference Group: Non-ELL						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
14	PR1	194	160	0.67	0.46	0.08	A		296	60	0.07	-0.20	-0.08	A		356	144	2.41	-1.00	-0.04	A	
15	PR1	194	160	0.67	0.52	0.07	A		296	60	0.09	0.23	0.01	A		356	144	1.10	-0.82	-0.05	A	
16	PR1	136	120	0.26	0.44	0.07	A		215	41	0.35	-0.93	-0.15	A		256	227	0.32	0.43	0.02	A	
17	PR1	136	120	0.00	0.00	0.01	A		215	41	1.92	-1.51	-0.09	A		256	227	0.11	-0.18	-0.07	A	
18	OR1	330	280	1.57	-0.78	-0.09	A		511	101	2.93	1.34	0.17	A		612	371	2.65	-1.31	-0.17	A	
19	OR1	194	160	4.07	-1.49	-0.19	A		296	60	1.82	1.15	0.14	A		356	144	0.34	-0.66	0.01	A	
20	OR1	194	160	0.64	0.64	0.08	A		296	60	1.45	1.14	0.10	A		356	144	1.38	-1.46	-0.16	A	
21	OR1	194	160	0.00	0.03	0.01	A		296	60	0.15	-0.37	-0.05	A		356	144	2.01	-1.79	-0.25	A	
22	PR1	330	280	0.24	-0.31	-0.04	A		511	101	0.58	-0.64	-0.09	A		612	371	0.77	-0.67	-0.15	A	
23	PR1	194	160	0.05	0.24	0.02	A		296	60	0.14	-0.52	-0.03	A		356	144	0.10	-0.56	0.04	A	
24	PR2	194	160	8.72		-0.14	A		296	60	1.54		0.03	A		356	144	1.76		-0.19	A	

**Table F.3: DIF Statistics in Listening on Kindergarten Placement Test**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: ELL Reference Group: Non-ELL					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
25	PR2	194	160	0.49		-0.05	A	296	60	0.20		0.05	A	356	144	0.18		-0.09	A
26	PR1	194	160	0.18	-0.26	-0.03	A	296	60	0.11	0.27	0.08	A	356	144	2.51	0.94	0.13	A
27	OR1	136	120	0.65	-0.70	-0.07	A	215	41	0.02	-0.24	0.07	A	256	227	2.38	-1.46	-0.19	A
28	OR1	136	120	2.35	-1.20	-0.15	A	215	41	0.55	-0.97	-0.06	A	256	227	2.29	-1.16	-0.09	A
29	OR1	136	120	0.38	-0.52	-0.08	A	215	41	0.07	0.32	0.07	A	256	227	5.10	-1.56	-0.33	A
30	PR1	136	120	1.67	1.33	0.15	A	215	41	0.66	-1.78	-0.33	A	256	227	0.24	-0.57	-0.15	A
31	PR2	136	120	0.22		0.01	A	215	41	3.06		0.21	A	256	227	3.42		0.19	A
32	PR2	136	120	11.26		0.27	C>	215	41	1.84		-0.14	A	256	227	6.00		-0.37	A
33	PR1	136	120	0.00	-0.02	-0.01	A	215	41	0.30	0.48	0.00	A	256	227	0.81	0.46	-0.01	A
34	OR1	330	280	4.19	2.08	0.16	A	511	101	1.35	-2.00	-0.13	A	612	371	0.99	1.13	0.10	A
35	OR1	194	160	1.46	0.85	0.11	A	296	60	0.32	0.52	0.03	A	356	144	8.13	-2.83	-0.44	C<
36	OR1	194	160	0.40	0.88	0.06	A	296	60	0.02	0.24	0.00	A	356	144	1.76	1.97	0.24	A
37	OR1	194	160	2.82	-1.03	-0.17	A	296	60	0.03	0.13	0.05	A	356	144	1.02	-0.80	0.03	A
38	OR1	194	160	0.60	-0.58	-0.08	A	296	60	8.85	2.35	0.35	C>	356	144	0.57	-0.83	-0.19	A
39	OR1	194	160	0.06	-0.25	-0.03	A	296	60	3.51	1.93	0.20	A	356	144	0.06	-0.38	-0.13	A
40	OR1	194	160	3.15	-1.18	-0.16	A	296	60	3.76	-1.58	-0.20	A	356	144	11.68	-2.96	-0.53	C<
41	OR1	330	280	0.02	-0.10	-0.01	A	511	101	1.64	1.21	0.13	A	612	371	0.36	-0.60	-0.05	A
42	OR1	194	160	0.19	0.54	0.04	A	296	60	0.67	-1.30	-0.09	A	356	144	0.04	-0.39	-0.06	A
43	OR1	194	160	0.05	-0.33	-0.02	A	296	60	0.03	0.30	0.02	A	356	144	2.68	2.56	0.13	A
44	OR1	194	160	0.60	0.56	0.06	A	296	60	4.42	1.59	0.21	A	356	144	0.00	-0.02	0.06	A
45	OR1	194	160	1.30	-0.80	-0.11	A	296	60	6.19	2.08	0.25	A	356	144	0.00	-0.05	0.05	A
46	OR1	194	160	0.14	0.24	0.03	A	296	60	0.47	0.67	0.06	A	356	144	7.12	-1.46	-0.20	B<
47	OR1	330	280	2.90	1.03	0.11	A	511	101	2.93	-1.67	-0.17	A	612	371	5.27	1.32	0.27	A
48	OR1	194	160	0.34	0.45	0.05	A	296	60	0.29	-0.55	-0.08	A	356	144	0.50	0.73	0.05	A
49	OR1	194	160	1.41	1.46	0.12	A	296	60	0.20	-0.72	-0.07	A	356	144	4.91	2.58	0.39	A
50	OR1	330	280	0.03	-0.08	-0.01	A	511	101	0.64	-0.45	-0.07	A	612	371	4.90	-1.05	-0.08	A
51	OR1	194	160	0.05	-0.15	-0.02	A	296	60	1.59	1.13	0.11	A	356	144	0.46	-0.65	-0.07	A
52	OR1	194	160	0.01	0.05	0.00	A	296	60	0.02	-0.12	-0.03	A	356	144	0.23	0.34	-0.02	A
53	OR1	194	160	0.00	0.04	0.00	A	296	60	0.24	-0.45	-0.08	A	356	144	0.04	0.17	-0.08	A
54	OR1	136	120	0.00	0.00	0.02	A	215	41	0.16	0.58	0.22	A	256	227	0.16	-0.30	-0.15	A
55	OR1	136	120	0.27	0.48	0.04	A	215	41	0.09	-0.48	-0.08	A	256	227	0.67	-0.71	-0.17	A
56	OR1	136	120	1.34	-1.38	-0.11	A	215	41	2.31		-0.41		256	227	3.31	-3.10	-0.33	A
57	OR1	136	120	0.66	-0.94	-0.06	A	215	41	0.14	-0.88	-0.31	A	256	227	2.78	-2.89	-0.30	A
58	OR1	136	120	5.53	-3.18	-0.24	A	215	41	1.58		-0.34		256	227	2.74	-3.75	-0.28	A
59	OR1	136	120	5.91	-2.52	-0.22	A	215	41	2.58	-4.35	-0.29	A	256	227	11.68	-5.00	-0.51	C<
60	OR1	136	120	3.23	-2.56	-0.18	A	215	41	0.01	0.21	0.18	A	256	227	0.43	-1.25	-0.14	A
61	OR1	136	120	1.62	-1.68	-0.12	A	215	41	6.48	5.42	0.60	A	256	227	0.01	-0.14	-0.15	A
62	OR1	136	120	1.70	-1.02	-0.11	A	215	41	23.67	5.27	0.74	C>	256	227	3.26	-1.45	-0.25	A
63	OR1	136	120	3.32	-1.50	-0.18	A	215	41	19.47	4.61	0.67	C>	256	227	3.28	-1.29	-0.23	A
64	OR1	136	120	0.20	-0.34	-0.04	A	215	41	2.25	1.50	0.22	A	256	227	7.25	-1.41	-0.23	B<
65	OR1	136	120	0.08	0.31	0.03	A	215	41	0.58	-1.78	-0.35	A	256	227	0.03	-0.18	-0.05	A
66	OR1	136	120	0.84	-0.87	-0.09	A	215	41	1.70	-2.88	-0.35	A	256	227	0.19	0.37	0.17	A
67	OR1	136	120	0.59	0.56	0.08	A	215	41	0.04	0.21	-0.02	A	256	227	5.92	-1.72	-0.22	A
68	OR1	136	120	0.87	-0.65	-0.09	A	215	41	2.69	1.46	0.16	A	256	227	2.25	-0.94	-0.07	A
69	OR1	136	120	0.07	0.21	0.02	A	215	41	1.49	1.34	0.15	A	256	227	0.06	0.18	0.10	A

Note: OR1=1 Point Oral Response Item, PR1=1 Point Physical Response Items, PR2=2 Point Physical Response Items, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.4: DIF Statistics based on ELL Students for Items in Prereading on Stage I**

Item	Item Type	Focal Group: Female Reference Group: Male							Focal Group: Hispanic Reference Group: Non-Hispanic							Focal Group: American Indian Reference Group: Non-American Indian							Focal Group: Special Education Reference Group: Non-Special Education						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag				
1	MC	1330	1364	1.06	0.70	0.04	A	2449	245	0.80	-1.50	-0.07	A	68	2626	0.12	0.84	0.04	A	140	2554	0.95	-1.03	-0.10	A				
2	MC	1330	1364	0.00	0.00	0.00	A	2449	245	2.03	-0.83	-0.10	A	68	2626	1.42	1.23	0.14	A	140	2554	0.65	-0.42	-0.07	A				
3	MC	1330	1364	3.55	0.45	0.06	A	2449	245	0.27	-0.24	-0.02	A	68	2626	0.36	-0.48	-0.07	A	140	2554	0.04	-0.10	-0.01	A				
4	MC	5481	5549	1.90	-0.34	-0.02	A	9880	1150	1.23	0.46	0.04	A	632	10398	6.03	1.69	0.10	A	591	10439	0.87	0.46	0.05	A				
5	MC	1330	1364	0.07	-0.09	-0.01	A	2449	245	0.00	0.03	0.01	A	68	2626	0.03	0.17	0.02	A	140	2554	0.09	-0.19	-0.03	A				
6	MC	1330	1364	0.80	0.18	0.03	A	2449	245	1.48	-0.46	-0.09	A	68	2626	0.91	-0.55	-0.11	A	140	2554	0.03	0.07	0.02	A				
7	MC	1330	1364	1.45	0.41	0.04	A	2449	245	0.08	-0.20	-0.02	A	68	2626	0.00	0.02	0.00	A	140	2554	0.45	0.46	0.07	A				
8	MC	5481	5549	2.96	-0.20	-0.03	A	9880	1150	3.24	-0.38	-0.04	A	632	10398	0.23	0.12	0.02	A	591	10439	4.17	-0.48	-0.09	A				
9	MC	1330	1364	5.09	-0.45	-0.08	A	2449	245	10.23	-1.27	-0.20	B<	68	2626	0.40	-0.37	-0.07	A	140	2554	0.73	0.37	0.08	A				
10	MC	1330	1364	0.33	0.20	0.02	A	2449	245	1.20	0.66	0.10	A	68	2626	3.63	-1.66	-0.23	A	140	2554	1.43	-0.72	-0.12	A				
11	MC	5481	5549	37.52	-0.64	-0.10	A	9880	1150	0.13	-0.07	0.00	A	632	10398	0.01	0.02	0.00	A	591	10439	0.14	0.08	0.02	A				
12	MC	5481	5549	1.09	-0.12	-0.02	A	9880	1150	0.82	-0.19	-0.01	A	632	10398	3.20	0.47	0.07	A	591	10439	0.92	-0.23	-0.04	A				
13	MC	5481	5549	1.04	-0.13	-0.02	A	9880	1150	0.69	-0.19	-0.01	A	632	10398	0.34	0.16	0.02	A	591	10439	1.86	-0.33	-0.06	A				
14	MC	1330	1364	1.09	0.20	0.04	A	2449	245	1.01	-0.34	-0.07	A	68	2626	6.95	-1.59	-0.31	C<	140	2554	1.40	0.49	0.10	A				
15	MC	1330	1364	7.08	-0.62	-0.08	A	2449	245	1.80	-0.60	-0.10	A	68	2626	0.03	-0.13	-0.02	A	140	2554	0.30	0.27	0.05	A				
16	MC	1330	1364	3.49	-0.49	-0.06	A	2449	245	0.14	0.18	0.03	A	68	2626	4.09	2.21	0.24	A	140	2554	0.00	-0.01	0.00	A				
17	MC	1350	1341	0.88	0.55	0.04	A	2415	276	0.21	-0.51	-0.04	A	171	2520	0.38	-0.64	-0.05	A	144	2547	1.45	-1.13	-0.13	A				
18	MC	1350	1341	1.23	-0.27	-0.04	A	2415	276	1.19	0.45	0.08	A	171	2520	7.82	1.64	0.21	C>	144	2547	0.70	-0.41	-0.08	A				
19	MC	1350	1341	0.03	0.05	0.00	A	2415	276	0.06	0.13	0.01	A	171	2520	13.79	-1.89	-0.28	C<	144	2547	0.03	-0.10	-0.02	A				
20	MC	1350	1341	0.30	0.14	0.01	A	2415	276	5.12	-1.06	-0.14	A	171	2520	0.24	0.25	0.04	A	144	2547	0.23	-0.24	-0.05	A				
21	MC	1350	1341	22.63	0.93	0.16	A	2415	276	1.52	-0.41	-0.08	A	171	2520	0.01	-0.04	-0.01	A	144	2547	2.68	-0.71	-0.13	A				
22	MC	1350	1341	0.17	0.09	0.01	A	2415	276	0.59	-0.29	-0.04	A	171	2520	0.00	0.00	0.00	A	144	2547	0.21	0.21	0.04	A				
23	MC	1350	1341	3.32	-0.51	-0.07	A	2415	276	0.53	0.34	0.07	A	171	2520	3.04	-0.89	-0.14	A	144	2547	0.01	0.06	0.01	A				
24	MC	1350	1341	0.06	0.09	0.00	A	2415	276	0.00	-0.04	0.01	A	171	2520	0.27	-0.36	-0.04	A	144	2547	0.12	-0.23	-0.04	A				
25	MC	1350	1341	3.81	-0.47	-0.07	A	2415	276	0.46	-0.29	-0.04	A	171	2520	0.03	0.08	0.01	A	144	2547	0.56	-0.36	-0.07	A				
26	MC	1350	1341	0.26	-0.15	-0.02	A	2415	276	0.09	0.15	0.03	A	171	2520	3.85	1.42	0.15	A	144	2547	4.59	-1.11	-0.20	A				
27	MC	1350	1341	9.29	0.58	0.12	A	2415	276	2.54	0.48	0.08	A	171	2520	0.00	-0.03	0.00	A	144	2547	0.46	0.28	0.06	A				
28	MC	1347	1359	1.19	0.63	0.04	A	2392	314	0.16	-0.45	-0.03	A	145	2561	0.21	0.66	0.04	A	154	2552	0.14	0.40	0.04	A				
29	MC	1347	1359	1.34	0.39	0.03	A	2392	314	0.33	0.33	0.03	A	145	2561	0.62	0.59	0.06	A	154	2552	0.09	-0.18	-0.03	A				
30	MC	1347	1359	0.50	-0.28	-0.02	A	2392	314	0.04	0.14	0.02	A	145	2561	2.11	1.59	0.11	A	154	2552	0.79	-0.58	-0.09	A				
31	MC	1347	1359	0.43	-0.29	-0.03	A	2392	314	0.60	0.57	0.05	A	145	2561	0.26	-0.46	-0.04	A	154	2552	0.00	-0.04	0.00	A				
32	MC	1347	1359	3.56	-0.37	-0.06	A	2392	314	4.91	-0.73	-0.11	A	145	2561	12.10	1.61	0.28	C>	154	2552	0.31	-0.24	-0.05	A				
33	MC	1347	1359	0.43	-0.15	-0.02	A	2392	314	0.77	-0.36	-0.02	A	145	2561	5.58	1.36	0.18	A	154	2552	0.13	0.18	0.03	A				
34	MC	1347	1359	5.16	-0.59	-0.08	A	2392	314	4.85	-1.11	-0.13	A	145	2561	1.92	0.89	0.11	A	154	2552	1.26	-0.53	-0.10	A				
35	MC	1347	1359	0.03	-0.05	-0.01	A	2392	314	0.96	0.48	0.07	A	145	2561	2.06	-0.82	-0.11	A	154	2552	0.01	-0.05	-0.01	A				
36	MC	1347	1359	3.44	0.39	0.06	A	2392	314	0.00	-0.01	0.02	A	145	2561	0.31	0.26	0.04	A	154	2552	0.80	0.38	0.08	A				
37	MC	1347	1359	1.39	0.23	0.04	A	2392	314	1.51	-0.39	-0.06	A	145	2561	0.00	-0.01	0.00	A	154	2552	2.58	-0.65	-0.13	A				
38	MC	1347	1359	0.30	-0.11	-0.02	A	2392	314	4.46	-0.66	-0.15	A	145	2561	1.24	-0.46	-0.09	A	154	2552	0.12	0.14	0.03	A				
39	MC	1454	1485	0.02	-0.10	-0.01	A	2624	315	1.68	1.18	0.08	A	248	2691	0.75	1.19	0.06	A	153	2786	0.58	1.08	0.08	A				
40	MC	1454	1485	0.16	0.13	0.02	A	2624	315	0.01	0.04	0.01	A	248	2691	5.71	-1.16	-0.15	A	153	2786	3.51	-0.96	-0.18	A				
41	MC	1454	1485	1.13	-0.31	-0.03	A	2624	315	2.22	0.69	0.09	A	248	2691	1.25	-0.55	-0.07	A	153	2786	0.74	0.50	0.08	A				
42	MC	1454	1485	4.65	-0.53	-0.07	A	2624	315	3.95	-0.90	-0.12	A	248	2691	2.16	0.71	0.10	A	153	2786	0.22	-0.23	-0.04	A				
43	MC	1454	1485	1.34	-0.26	-0.04	A	2624	315	1.01	0.37	0.06	A	248	2691	2.62	0.68	0.10	A	153	2786	0.67	0.39	0.07	A				
44	MC	1454	1485	0.57	0.26	0.02	A	2624	315	0.98	-0.60	-0.07	A	248	2691	0.19	-0.25	-0.03	A	153	2786	0.39	-0.37	-0.06	A				
45	MC	1454	1485	0.98	-0.20	-0.04	A	2624	315	2.04	-0.50	-0.06	A	248	2691	7.40	-0.91	-0.18	A	153	2786	3.00	0.76	0.15	A				
46	MC	1454	1485	1.55	-0.33	-0.04	A	2624	315	0.26	-0.22	-0.04	A	248	2691	0.31	-0.25	-0.03	A	153	2786	0.21	-0.23	-0.04	A				
47	MC	1454	1485	2.40	-0.44	-0.05	A	2624	315	0.27	0.23	0.02	A	248	2691	0.13	0.19	0.02	A	153	2786	1.08	0.59	0.10	A				
48	MC	1454	1485	1.13	-0.37	-0.03	A	2624	315	0.09	-0.19	-0.01	A	248	2691	0.01	0.07	0.01	A	153	2786	3.99	1.58	0.20	A				
49	MC	1454	1485	3.23	-0.33	-0.07	A	2624	315	9.14	-0.97	-0.17	A	248	2691	6.06	0.86	0.16	A	153	2786	1.63	0.53	0.11	A				

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.5: DIF Statistics based on ELL Students' Home Languages for Items in Prereading on Stage I**

Item	Item Type	Focal Group: Spanish						Focal Group: Spanish						Focal Group: Non-Spanish						Focal Group: American Indian					
		Reference Group: Non-Spanish						Reference Group: English						Reference Group: English						Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
1	MC	2113	581	0.01	-0.06	-0.01	A	2113	403	0.25	-0.52	-0.03	A	178	403	0.78	-1.36	-0.07	A	11	403	0.21		0.16	
2	MC	2113	581	0.93	-0.36	-0.04	A	2113	403	1.96	-0.62	-0.07	A	178	403	1.51	-0.87	-0.10	A	11	403	0.09	0.83	0.09	A
3	MC	2113	581	3.14	-0.56	-0.08	A	2113	403	4.05	-0.74	-0.11	A	178	403	1.11	-0.65	-0.08	A	11	403	1.96	-2.56	-0.41	A
4	MC	8720	2310	0.02	0.05	0.01	A	8720	1468	3.93	-0.87	-0.06	A	842	1468	13.98	-2.09	-0.16	C<	71	1468	0.37	1.47	0.08	A
5	MC	2113	581	0.30	-0.23	-0.03	A	2113	403	1.54	-0.62	-0.07	A	178	403	2.32	-1.18	-0.12	A	11	403	0.90		0.29	
6	MC	2113	581	1.59	-0.32	-0.06	A	2113	403	1.43	-0.35	-0.06	A	178	403	0.06	-0.13	-0.02	A	11	403	0.10	0.55	0.09	A
7	MC	2113	581	6.02	0.98	0.12	A	2113	403	5.47	1.05	0.13	A	178	403	0.09	0.24	0.02	A	11	403	1.95		0.43	
8	MC	8720	2310	4.56	-0.32	-0.04	A	8720	1468	2.29	-0.27	-0.03	A	842	1468	0.22	0.14	0.02	A	71	1468	0.09	-0.22	-0.04	A
9	MC	2113	581	3.97	-0.50	-0.08	A	2113	403	1.73	-0.38	-0.06	A	178	403	0.61	0.40	0.07	A	11	403	0.07	0.42	0.08	A
10	MC	2113	581	5.16	0.91	0.11	A	2113	403	3.72	0.89	0.11	A	178	403	0.03	-0.14	-0.01	A	11	403	0.10	0.71	0.11	A
11	MC	8720	2310	0.31	-0.07	-0.01	A	8720	1468	0.00	0.00	0.00	A	842	1468	0.88	0.23	0.04	A	71	1468	0.09	0.20	0.03	A
12	MC	8720	2310	1.72	-0.20	-0.03	A	8720	1468	0.77	-0.16	-0.02	A	842	1468	0.16	0.12	0.01	A	71	1468	1.03	-0.71	-0.11	A
13	MC	8720	2310	4.50	-0.34	-0.05	A	8720	1468	2.69	-0.31	-0.05	A	842	1468	0.08	0.09	0.01	A	71	1468	0.04	-0.16	-0.02	A
14	MC	2113	581	0.38	-0.14	-0.04	A	2113	403	0.36	-0.16	-0.04	A	178	403	0.00	-0.01	0.00	A	11	403	0.03	-0.24	-0.05	A
15	MC	2113	581	0.68	-0.24	-0.04	A	2113	403	0.41	-0.22	-0.04	A	178	403	0.04	0.11	0.01	A	11	403	4.37		0.61	
16	MC	2113	581	1.08	-0.35	-0.05	A	2113	403	2.21	-0.58	-0.08	A	178	403	1.48	-0.79	-0.10	A	11	403	1.59		0.37	
17	MC	2137	554	0.88	0.65	0.05	A	2137	354	3.41	1.37	0.11	A	200	354	2.76	2.45	0.15	A	35	354	0.39	1.57	0.13	A
18	MC	2137	554	0.02	-0.04	0.00	A	2137	354	0.71	-0.33	-0.04	A	200	354	1.46	-0.70	-0.10	A	35	354	0.00	0.00	0.01	A
19	MC	2137	554	1.92	0.54	0.06	A	2137	354	3.10	0.79	0.09	A	200	354	0.91	0.71	0.07	A	35	354	0.09	0.44	0.05	A
20	MC	2137	554	1.47	-0.39	-0.06	A	2137	354	0.59	-0.29	-0.05	A	200	354	0.19	0.26	0.03	A	35	354	0.41	0.88	0.11	A
21	MC	2137	554	0.50	-0.17	-0.03	A	2137	354	0.00	-0.01	0.01	A	200	354	0.96	0.44	0.08	A	35	354	0.05	-0.20	-0.03	A
22	MC	2137	554	0.00	0.02	0.00	A	2137	354	0.65	0.26	0.04	A	200	354	1.81	0.68	0.10	A	35	354	0.02	0.15	0.04	A
23	MC	2137	554	1.97	0.48	0.07	A	2137	354	1.57	0.50	0.07	A	200	354	0.05	0.14	0.00	A	35	354	0.00	-0.01	-0.01	A
24	MC	2137	554	0.01	0.04	0.01	A	2137	354	0.00	-0.04	-0.01	A	200	354	0.06	-0.20	-0.03	A	35	354	0.00	0.08	0.01	A
25	MC	2137	554	4.93	-0.69	-0.11	A	2137	354	6.31	-0.96	-0.15	A	200	354	1.73	-0.77	-0.12	A	35	354	0.66	-0.83	-0.15	A
26	MC	2137	554	0.83	-0.36	-0.05	A	2137	354	5.18	-1.18	-0.15	A	200	354	7.26	-1.90	-0.25	C<	35	354	0.11	-0.52	-0.07	A
27	MC	2137	554	3.61	0.44	0.09	A	2137	354	2.48	0.44	0.09	A	200	354	0.03	-0.08	-0.01	A	35	354	0.07	0.22	0.05	A
28	MC	2146	560	0.10	-0.27	-0.03	A	2146	314	0.14	-0.42	-0.04	A	246	314	0.05	-0.34	-0.02	A	9	314	0.18		0.15	
29	MC	2146	560	1.83	0.59	0.07	A	2146	314	0.55	0.42	0.04	A	246	314	0.20	-0.35	-0.04	A	9	314	1.91	-3.94	-0.48	A
30	MC	2146	560	0.20	-0.26	-0.03	A	2146	314	0.16	-0.32	-0.03	A	246	314	0.01	-0.11	0.00	A	9	314	0.53		0.25	
31	MC	2146	560	0.11	0.19	0.02	A	2146	314	0.02	0.10	0.02	A	246	314	0.03	-0.19	-0.01	A	9	314	0.42		0.24	
32	MC	2146	560	8.03	-0.71	-0.13	A	2146	314	1.30	-0.35	-0.10	A	246	314	3.53	0.87	0.14	A	9	314	0.03	0.30	0.06	A
33	MC	2146	560	0.47	-0.21	-0.01	A	2146	314	0.17	-0.16	-0.02	A	246	314	0.18	0.25	0.02	A	9	314	0.96	3.05	0.32	A
34	MC	2146	560	1.15	-0.38	-0.04	A	2146	314	0.43	-0.30	-0.02	A	246	314	0.19	0.30	0.03	A	9	314	0.08	0.86	0.09	A
35	MC	2146	560	0.56	0.28	0.03	A	2146	314	0.58	-0.39	-0.06	A	246	314	3.93	-1.36	-0.15	A	9	314	4.82	-4.68	-0.73	A
36	MC	2146	560	0.09	-0.08	-0.01	A	2146	314	0.16	-0.14	-0.03	A	246	314	0.05	-0.11	-0.02	A	9	314	1.05	-2.01	-0.34	A
37	MC	2146	560	2.30	-0.38	-0.07	A	2146	314	4.17	-0.64	-0.14	A	246	314	1.61	-0.57	-0.10	A	9	314	0.59	1.84	0.25	A
38	MC	2146	560	0.47	-0.16	-0.06	A	2146	314	2.00	0.42	0.06	A	246	314	9.16	1.32	0.25	B>	9	314	0.03	-0.28	-0.06	A
39	MC	2324	615	0.26	0.38	0.02	A	2324	397	0.03	0.16	0.01	A	218	397	0.22	-0.65	-0.04	A	16	397	0.36		0.16	
40	MC	2324	615	0.54	0.27	0.04	A	2324	397	1.37	0.50	0.06	A	218	397	0.88	0.69	0.07	A	16	397	2.11		0.35	
41	MC	2324	615	2.66	0.56	0.07	A	2324	397	1.56	0.50	0.06	A	218	397	0.10	-0.20	-0.02	A	16	397	2.51		0.38	
42	MC	2324	615	4.36	-0.67	-0.09	A	2324	397	1.80	-0.50	-0.07	A	218	397	0.71	0.54	0.07	A	16	397	0.70	1.82	0.21	A
43	MC	2324	615	0.02	0.04	0.00	A	2324	397	0.19	-0.15	-0.03	A	218	397	1.19	-0.58	-0.09	A	16	397	0.18	-0.65	-0.10	A
44	MC	2324	615	1.66	0.52	0.05	A	2324	397	4.00	0.92	0.10	A	218	397	2.86	1.35	0.12	A	16	397	0.10	0.89	0.06	A
45	MC	2324	615	4.17	-0.52	-0.09	A	2324	397	1.27	-0.34	-0.06	A	218	397	0.94	0.49	0.08	A	16	397	2.36	-1.96	-0.38	A
46	MC	2324	615	1.99	0.44	0.06	A	2324	397	4.53	0.77	0.11	A	218	397	2.84	0.99	0.13	A	16	397	3.82		0.44	
47	MC	2324	615	1.37	0.39	0.05	A	2324	397	0.98	0.39	0.05	A	218	397	0.03	0.11	0.01	A	16	397	2.60		0.39	
48	MC	2324	615	4.22	-0.97	-0.09	A	2324	397	3.87	-1.12	-0.10	A	218	397	0.27	-0.48	-0.04	A	16	397	0.86		0.22	
49	MC	2324	615	1.86	-0.32	-0.06	A	2324	397	0.03	-0.05	-0.01	A	218	397	2.46	0.70	0.12	A	16	397	0.02	0.17	0.03	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.6: DIF Statistics based on ELL and Non-ELL Students for Items in Prereading on Stage I**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
1	MC	2694	532	1.90	1.03	0.07	A	2326	900	0.48	0.43	0.03	A
2	MC	2694	532	0.34	-0.22	-0.04	A	2326	900	0.46	-0.20	-0.02	A
3	MC	2694	532	1.91	-0.45	-0.06	A	2326	900	10.30	-0.83	-0.12	A
4	MC	11030	2054	8.43	0.86	0.07	A	9714	3370	0.24	-0.13	-0.01	A
5	MC	2694	532	0.55	-0.34	-0.03	A	2326	900	2.17	-0.51	-0.05	A
6	MC	2694	532	2.83	-0.45	-0.07	A	2326	900	2.20	-0.32	-0.06	A
7	MC	2694	532	1.82	0.57	0.07	A	2326	900	0.38	-0.21	-0.02	A
8	MC	11030	2054	8.73	-0.48	-0.07	A	9714	3370	14.64	-0.49	-0.07	A
9	MC	2694	532	12.11	-0.92	-0.16	A	2326	900	0.04	-0.04	-0.01	A
10	MC	2694	532	0.71	0.37	0.04	A	2326	900	0.10	0.11	0.02	A
11	MC	11030	2054	25.78	-0.73	-0.12	A	9714	3370	0.58	-0.09	-0.01	A
12	MC	11030	2054	4.56	-0.33	-0.06	A	9714	3370	4.60	-0.27	-0.04	A
13	MC	11030	2054	16.99	-0.74	-0.09	A	9714	3370	1.46	-0.16	-0.02	A
14	MC	2694	532	2.65	-0.40	-0.06	A	2326	900	0.39	0.12	0.02	A
15	MC	2694	532	1.88	-0.42	-0.06	A	2326	900	0.92	-0.23	-0.04	A
16	MC	2694	532	0.85	0.30	0.04	A	2326	900	0.28	0.14	0.01	A
17	MC	2691	509	0.03	-0.13	0.00	A	2390	810	0.05	0.14	0.00	A
18	MC	2691	509	0.66	-0.27	-0.03	A	2390	810	5.16	-0.61	-0.08	A
19	MC	2691	509	0.27	-0.24	-0.02	A	2390	810	1.22	0.37	0.04	A
20	MC	2691	509	0.70	0.26	0.04	A	2390	810	0.60	-0.21	-0.04	A
21	MC	2691	509	1.43	-0.31	-0.05	A	2390	810	1.02	-0.21	-0.04	A
22	MC	2691	509	3.27	-0.51	-0.08	A	2390	810	19.96	-1.06	-0.16	B<
23	MC	2691	509	1.74	-0.52	-0.05	A	2390	810	1.94	-0.44	-0.06	A
24	MC	2691	509	9.13	1.23	0.13	B>	2390	810	0.17	-0.15	-0.01	A
25	MC	2691	509	4.31	-0.70	-0.10	A	2390	810	4.62	-0.58	-0.09	A
26	MC	2691	509	0.26	-0.21	-0.02	A	2390	810	2.14	-0.48	-0.06	A
27	MC	2691	509	0.37	-0.15	-0.04	A	2390	810	2.31	-0.31	-0.06	A
28	MC	2706	512	0.01	0.09	0.00	A	2308	910	0.17	0.24	0.01	A
29	MC	2706	512	0.58	-0.37	-0.04	A	2308	910	0.72	0.29	0.03	A
30	MC	2706	512	0.55	0.42	0.05	A	2308	910	4.01	-0.87	-0.07	A
31	MC	2706	512	0.02	0.08	0.01	A	2308	910	1.31	0.50	0.04	A
32	MC	2706	512	11.36	-0.90	-0.14	A	2308	910	4.28	0.42	0.08	A
33	MC	2706	512	5.04	-0.73	-0.11	A	2308	910	0.92	0.23	0.04	A
34	MC	2706	512	0.76	-0.32	-0.04	A	2308	910	0.16	-0.11	-0.02	A
35	MC	2706	512	0.73	0.32	0.02	A	2308	910	1.64	0.36	0.05	A
36	MC	2706	512	2.52	-0.45	-0.07	A	2308	910	0.78	0.19	0.04	A
37	MC	2706	512	4.44	-0.54	-0.09	A	2308	910	11.52	-0.70	-0.13	A
38	MC	2706	512	0.18	-0.11	0.00	A	2308	910	0.54	0.15	0.03	A
39	MC	2939	501	0.81	0.71	0.04	A	2690	750	0.00	-0.04	0.00	A
40	MC	2939	501	1.72	0.53	0.07	A	2690	750	0.13	0.12	0.02	A
41	MC	2939	501	1.66	0.49	0.07	A	2690	750	3.26	0.57	0.07	A
42	MC	2939	501	4.40	0.64	0.10	A	2690	750	0.57	-0.21	-0.03	A
43	MC	2939	501	0.02	-0.04	0.00	A	2690	750	3.70	-0.51	-0.07	A
44	MC	2939	501	1.04	0.46	0.05	A	2690	750	0.85	-0.37	-0.04	A
45	MC	2939	501	12.59	-1.01	-0.17	B<	2690	750	6.23	-0.59	-0.10	A
46	MC	2939	501	9.26	0.97	0.13	A	2690	750	0.48	0.20	0.03	A
47	MC	2939	501	8.45	-1.31	-0.14	B<	2690	750	0.29	0.17	0.02	A
48	MC	2939	501	1.44	-0.63	-0.06	A	2690	750	0.94	-0.40	-0.04	A
49	MC	2939	501	8.94	-0.77	-0.14	A	2690	750	2.93	-0.37	-0.06	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

Table F.7: DIF Statistics based on ELL Students for Items in Prewriting on Stage I

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
50	SA2	1330	1364	3.01		0.06	A	2449	245	0.86	-0.06	A		68	2626	0.37		0.07	A	140	2554	1.13		0.11	A
51	SA2	1330	1364	4.38		0.08	A	2449	245	2.11	0.06	A		68	2626	4.16		-0.19	A	140	2554	1.42		0.09	A
52	SA2	1330	1364	39.59		0.22	B>	2449	245	4.39	-0.04	A		68	2626	0.92		-0.04	A	140	2554	0.07		0.00	A
53	SA2	1330	1364	7.44		0.10	A	2449	245	4.61	-0.07	A		68	2626	1.98		0.16	A	140	2554	1.64		-0.01	A
54	SA2	1330	1364	2.24		0.04	A	2449	245	0.80	-0.02	A		68	2626	0.79		0.04	A	140	2554	3.03		-0.07	A
55	SA2	5481	5549	31.38		0.10	A	9880	1150	15.59	0.08	A		632	10398	2.34		0.04	A	591	10439	5.43		-0.03	A
56	SA2	1330	1364	0.69		0.02	A	2449	245	0.91	0.03	A		68	2626	0.22		-0.01	A	140	2554	2.03		-0.10	A
57	SA2	1330	1364	6.39		0.08	A	2449	245	4.41	0.09	A		68	2626	2.02		-0.15	A	140	2554	0.95		0.09	A
58	SA2	1330	1364	4.73		0.04	A	2449	245	0.68	-0.04	A		68	2626	0.99		-0.10	A	140	2554	2.81		-0.05	A
59	SA1	5481	5549	0.40	0.06	0.01	A	9880	1150	4.31	-0.34	-0.04	A	632	10398	0.39	0.13	0.02	A	591	10439	2.49	0.34	0.06	A
60	SA1	1330	1364	1.10	-0.21	-0.04	A	2449	245	7.92	-1.01	-0.15	B<	68	2626	0.38	-0.40	-0.07	A	140	2554	0.59	0.33	0.06	A
61	SA1	1330	1364	1.49	0.24	0.04	A	2449	245	4.39	-0.80	-0.11	A	68	2626	2.07	0.91	0.17	A	140	2554	0.59	-0.33	-0.07	A
62	SA2	1330	1364	8.48		0.08	A	2449	245	6.19	0.06	A		68	2626	0.18		-0.03	A	140	2554	1.59		-0.06	A
63	SA2	5481	5549	33.55		0.08	A	9880	1150	0.67	0.00	A		632	10398	14.28		-0.11	A	591	10439	17.24		-0.12	A
64	SA3	1330	1364	19.32		0.11	A	2449	245	1.02	-0.01	A		68	2626	11.28		-0.30	A	140	2554	7.39		-0.10	A
65	SA3	5481	5549	29.88		0.07	A	9880	1150	8.01	-0.06	A		632	10398	8.98		-0.10	A	591	10439	6.53		-0.06	A
66	SA2	1350	1341	0.93		0.02	A	2415	276	0.36	0.05	A		171	2520	0.27		-0.01	A	144	2547	0.14		-0.02	A
67	SA2	1350	1341	7.74		0.10	A	2415	276	6.76	0.09	A		171	2520	3.57		0.09	A	144	2547	12.34		-0.08	A
68	SA2	1350	1341	22.06		0.15	A	2415	276	9.56	-0.03	A		171	2520	2.69		0.06	A	144	2547	3.49		-0.02	A
69	SA2	1350	1341	13.20		0.12	A	2415	276	2.56	0.02	A		171	2520	0.24		0.04	A	144	2547	12.90		-0.06	A
70	SA2	1350	1341	2.94		0.04	A	2415	276	3.26	-0.04	A		171	2520	1.67		0.08	A	144	2547	0.49		-0.03	A
71	SA2	1350	1341	1.08		0.02	A	2415	276	3.13	-0.05	A		171	2520	0.01		0.00	A	144	2547	4.76		-0.20	A
72	SA2	1350	1341	3.24		-0.02	A	2415	276	3.72	0.07	A		171	2520	0.19		-0.03	A	144	2547	4.75		-0.04	A
73	SA2	1350	1341	4.97		0.06	A	2415	276	0.82	-0.01	A		171	2520	1.50		0.07	A	144	2547	7.68		-0.20	A
74	SA1	1350	1341	2.65	-0.35	-0.07	A	2415	276	0.36	-0.21	0.00	A	171	2520	1.43	0.51	0.09	A	144	2547	2.16	0.69	0.12	A
75	SA1	1350	1341	0.05	0.05	0.01	A	2415	276	3.10	-0.58	-0.11	A	171	2520	2.17	0.62	0.10	A	144	2547	0.35	0.28	0.04	A
76	SA2	1350	1341	19.39		0.08	A	2415	276	0.20	-0.03	A		171	2520	9.41		-0.18	B<	144	2547	3.10		-0.11	A
77	SA3	1350	1341	14.89		0.06	A	2415	276	3.19	-0.07	A		171	2520	4.91		-0.11	A	144	2547	2.27		-0.08	A
78	SA2	1347	1359	0.73		0.03	A	2392	314	0.12	-0.05	A		145	2561	3.99		0.14	A	154	2552	14.42		-0.24	B<
79	SA2	1347	1359	15.46		0.14	A	2392	314	0.34	0.02	A		145	2561	1.28		-0.06	A	154	2552	2.14		-0.09	A
80	SA2	1347	1359	13.40		0.13	A	2392	314	2.61	-0.10	A		145	2561	1.00		0.02	A	154	2552	3.96		-0.06	A
81	SA2	1347	1359	14.99		0.14	A	2392	314	1.67	-0.03	A		145	2561	1.22		-0.02	A	154	2552	4.29		-0.12	A
82	SA2	1347	1359	4.58		0.07	A	2392	314	7.63	-0.15	A		145	2561	3.46		0.11	A	154	2552	1.64		-0.09	A
83	SA2	1347	1359	0.88		-0.03	A	2392	314	3.23	-0.11	A		145	2561	0.37		-0.04	A	154	2552	1.93		0.11	A
84	SA2	1347	1359	4.09		0.02	A	2392	314	3.93	-0.02	A		145	2561	0.36		0.00	A	154	2552	0.87		-0.03	A
85	SA2	1347	1359	14.00		0.11	A	2392	314	0.09	0.02	A		145	2561	1.07		0.04	A	154	2552	2.29		-0.13	A
86	SA1	1347	1359	0.07	-0.06	-0.01	A	2392	314	0.79	-0.28	-0.04	A	145	2561	4.43	-1.11	-0.17	A	154	2552	1.80	0.62	0.10	A
87	SA1	1347	1359	0.05	0.04	0.01	A	2392	314	0.17	0.13	0.00	A	145	2561	1.63	-0.53	-0.11	A	154	2552	1.62	0.54	0.10	A
88	SA2	1347	1359	4.30		0.04	A	2392	314	0.26	-0.02	A		145	2561	9.63		-0.18	B<	154	2552	2.93		-0.11	A
89	SA3	1347	1359	3.13		0.05	A	2392	314	13.14	-0.15	A		145	2561	4.85		-0.13	A	154	2552	2.88		-0.05	A
90	SA2	1454	1485	11.76		0.12	A	2624	315	2.27	0.08	A		248	2691	2.06		0.09	A	153	2786	4.25		-0.05	A
91	SA2	1454	1485	17.23		0.13	A	2624	315	0.46	-0.03	A		248	2691	1.11		-0.02	A	153	2786	3.97		-0.17	A
92	SA2	1454	1485	20.71		0.14	A	2624	315	3.31	-0.03	A		248	2691	5.50		-0.11	A	153	2786	0.44		0.00	A
93	SA2	1454	1485	2.42		0.05	A	2624	315	3.69	-0.11	A		248	2691	0.31		-0.03	A	153	2786	7.01		0.01	A
94	SA2	1454	1485	0.13		0.01	A	2624	315	0.48	-0.03	A		248	2691	2.93		-0.02	A	153	2786	0.40		-0.05	A
95	SA2	1454	1485	1.15		-0.01	A	2624	315	10.03	-0.08	A		248	2691	2.73		-0.07	A	153	2786	2.59		0.01	A
96	SA2	1454	1485	1.88		-0.01	A	2624	315	1.17	-0.05	A		248	2691	6.20		-0.14	A	153	2786	0.29		0.02	A
97	SA2	1454	1485	0.21		-0.01	A	2624	315	0.17	0.00	A		248	2691	14.50		-0.21	B<	153	2786	2.31		-0.11	A
98	SA1	1454	1485	0.08	0.05	0.01	A	2624	315	0.02	0.04	0.01	A	248	2691	0.72	-0.29	-0.05	A	153	2786	0.73	0.38	0.06	A
99	SA1	1454	1485	0.18	-0.08	-0.02	A	2624	315	0.81	-0.27	-0.05	A	248	2691	0.48	-0.24	-0.04	A	153	2786	0.84	-0.43	-0.07	A



**Table F.7: DIF Statistics based on ELL Students for Items in Prewriting on Stage I**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
100	SA2	1454	1485	4.68		0.06	A	2624	315	2.62		-0.01	A	248	2691	6.26		-0.11	A	153	2786	4.11		-0.09	A
101	SA3	1454	1485	13.55		0.08	A	2624	315	1.48		-0.02	A	248	2691	17.47		-0.21	B<	153	2786	5.28		-0.06	A

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.8: DIF Statistics based on ELL Students' Home Languages for Items in Prewriting on Stage I**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag
50	SA2	2113	581	2.80		-0.08	A	2113	403	3.40		-0.09	A	178	403	1.79		-0.04	A	11	403	0.13		0.10	A
51	SA2	2113	581	2.65		0.06	A	2113	403	2.84		0.06	A	178	403	0.63		0.00	A	11	403	0.13		0.11	A
52	SA2	2113	581	4.05		-0.07	A	2113	403	1.61		-0.06	A	178	403	3.97		0.06	A	11	403	0.02		0.00	A
53	SA2	2113	581	1.11		-0.05	A	2113	403	2.35		-0.04	A	178	403	6.02		0.04	A	11	403	1.52	-2.55	-0.36	A
54	SA2	2113	581	3.69		0.05	A	2113	403	2.97		0.05	A	178	403	0.06		0.02	A	11	403	0.45		0.11	A
55	SA2	8720	2310	12.72		0.07	A	8720	1468	1.53		0.03	A	842	1468	8.47		-0.08	A	71	1468	3.68		-0.23	A
56	SA2	2113	581	6.79		0.05	A	2113	403	5.99		0.07	A	178	403	0.27		0.03	A	11	403	0.64		0.17	A
57	SA2	2113	581	10.41		0.13	A	2113	403	8.78		0.14	A	178	403	1.14		0.05	A	11	403	2.21		0.10	A
58	SA2	2113	581	2.39		0.00	A	2113	403	2.39		0.01	A	178	403	0.20		0.00	A	11	403	0.76		0.03	A
59	SA1	8720	2310	1.39	-0.14	-0.02	A	8720	1468	0.05	0.03	0.01	A	842	1468	4.66	0.49	0.08	A	71	1468	0.02	-0.09	-0.02	A
60	SA1	2113	581	5.21	-0.55	-0.09	A	2113	403	1.72	-0.37	-0.06	A	178	403	1.60	0.60	0.10	A	11	403	0.60	1.54	0.21	A
61	SA1	2113	581	5.22	-0.57	-0.10	A	2113	403	1.81	-0.38	-0.07	A	178	403	1.61	0.65	0.11	A	11	403	0.20	0.80	0.13	A
62	SA2	2113	581	9.49		0.10	A	2113	403	9.32		0.13	A	178	403	4.50		0.11	A	11	403	6.25		-0.25	A
63	SA2	8720	2310	12.51		0.06	A	8720	1468	24.22		0.10	A	842	1468	11.14		0.09	A	71	1468	4.07		0.11	A
64	SA3	2113	581	1.18		0.03	A	2113	403	1.20		0.05	A	178	403	1.54		0.05	A	11	403	1.00		0.16	A
65	SA3	8720	2310	8.62		0.06	A	8720	1468	39.35		0.14	A	842	1468	50.39		0.24	B>	71	1468	26.96		0.44	C>
66	SA2	2137	554	0.59		-0.03	A	2137	354	1.62		-0.07	A	200	354	1.65		-0.08	A	35	354	0.06	-0.39	-0.05	A
67	SA2	2137	554	1.73		-0.02	A	2137	354	1.39		-0.07	A	200	354	2.23		-0.09	A	35	354	2.82		-0.16	A
68	SA2	2137	554	6.82		0.06	A	2137	354	3.39		0.11	A	200	354	5.95		0.12	A	35	354	4.69		0.38	A
69	SA2	2137	554	1.19		0.04	A	2137	354	0.58		0.04	A	200	354	0.21		0.00	A	35	354	0.43		-0.06	A
70	SA2	2137	554	5.70		-0.05	A	2137	354	3.13		-0.06	A	200	354	0.35		-0.02	A	35	354	1.65		-0.16	A
71	SA2	2137	554	7.79		0.09	A	2137	354	9.30		0.14	A	200	354	2.67		0.13	A	35	354	3.57		0.30	A
72	SA2	2137	554	10.83		0.14	A	2137	354	6.62		0.13	A	200	354	0.17		-0.03	A	35	354	0.86		-0.14	A
73	SA2	2137	554	2.48		0.06	A	2137	354	2.56		0.07	A	200	354	2.21		-0.01	A	35	354	2.87		0.27	A
74	SA1	2137	554	1.83	-0.35	-0.04	A	2137	354	1.45	-0.37	-0.05	A	200	354	0.00	-0.01	0.00	A	35	354	0.03	0.18	0.02	A
75	SA1	2137	554	5.87	-0.62	-0.11	A	2137	354	4.54	-0.65	-0.11	A	200	354	0.01	-0.06	-0.01	A	35	354	2.58	-1.69	-0.27	A
76	SA2	2137	554	1.52		0.04	A	2137	354	8.94		0.12	A	200	354	12.61		0.22	B>	35	354	2.09		0.19	A
77	SA3	2137	554	1.40		0.04	A	2137	354	12.53		0.15	A	200	354	22.60		0.29	C>	35	354	8.51		0.37	A
78	SA2	2146	560	6.37		0.07	A	2146	314	10.88		0.15	A	246	314	2.02		0.11	A	9	314	0.15		0.05	A
79	SA2	2146	560	0.68		-0.01	A	2146	314	1.13		-0.02	A	246	314	0.87		-0.05	A	9	314	14.70		-0.64	C<
80	SA2	2146	560	0.67		-0.05	A	2146	314	0.36		-0.02	A	246	314	2.43		0.12	A	9	314	0.04		0.01	A
81	SA2	2146	560	0.13		0.01	A	2146	314	0.29		0.02	A	246	314	0.81		0.06	A	9	314	0.64		-0.23	A
82	SA2	2146	560	5.76		-0.07	A	2146	314	1.31		0.03	A	246	314	6.84		0.21	A	9	314	1.45		0.40	A
83	SA2	2146	560	0.58		0.00	A	2146	314	0.13		0.02	A	246	314	2.12		0.05	A	9	314	5.05		-0.71	A
84	SA2	2146	560	4.13		-0.01	A	2146	314	0.61		-0.04	A	246	314	3.96		-0.09	A	9	314	4.26		-0.20	A
85	SA2	2146	560	1.50		0.04	A	2146	314	1.08		0.04	A	246	314	0.01		0.00	A	9	314	1.16		-0.28	A
86	SA1	2146	560	0.04	0.05	0.01	A	2146	314	0.09	0.10	0.00	A	246	314	0.09	0.13	0.03	A	9	314	1.12	-2.80	-0.35	A
87	SA1	2146	560	4.58	0.52	0.10	A	2146	314	1.51	0.38	0.06	A	246	314	0.48	-0.30	-0.06	A	9	314	0.80	1.76	0.30	A
88	SA2	2146	560	2.67		0.05	A	2146	314	5.67		0.10	A	246	314	2.98		0.11	A	9	314	0.65		-0.04	A
89	SA3	2146	560	7.57		-0.05	A	2146	314	3.50		0.02	A	246	314	5.70		0.15	A	9	314	2.30		0.19	A
90	SA2	2324	615	1.32		0.05	A	2324	397	0.26		0.02	A	218	397	0.67		-0.07	A	16	397	1.24		0.26	A
91	SA2	2324	615	1.26		0.00	A	2324	397	2.34		0.05	A	218	397	3.18		0.15	A	16	397	1.16		0.27	A
92	SA2	2324	615	1.70		-0.04	A	2324	397	0.84		-0.04	A	218	397	3.76		0.01	A	16	397	0.22		-0.10	A
93	SA2	2324	615	6.43		-0.11	A	2324	397	4.29		-0.10	A	218	397	0.51		0.02	A	16	397	0.42		-0.15	A
94	SA2	2324	615	0.36		-0.02	A	2324	397	0.23		-0.02	A	218	397	0.31		0.01	A	16	397	0.31		-0.12	A
95	SA2	2324	615	8.19		0.02	A	2324	397	4.27		0.04	A	218	397	1.63		0.05	A	16	397	3.22		0.37	A
96	SA2	2324	615	15.59		0.15	A	2324	397	25.85		0.23	B>	218	397	9.89		0.22	B>	16	397	4.20		0.26	A
97	SA2	2324	615	6.71		0.10	A	2324	397	8.36		0.13	A	218	397	3.18		0.09	A	16	397	0.54		-0.02	A
98	SA1	2324	615	3.32	0.44	0.08	A	2324	397	4.08	0.57	0.10	A	218	397	0.71	0.39	0.06	A	16	397	0.46	-0.90	-0.16	A
99	SA1	2324	615	1.28	0.27	0.05	A	2324	397	4.03	0.58	0.10	A	218	397	3.70	0.85	0.15	A	16	397	5.07	3.26	0.55	A
100	SA2	2324	615	2.26		0.05	A	2324	397	4.76		0.08	A	218	397	3.27		0.09	A	16	397	1.45		-0.02	A

**Table F.8: DIF Statistics based on ELL Students' Home Languages for Items in Prewriting on Stage I**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
101	SA3	2324	615	7.29		0.06	A	2324	397	14.70		0.15	A	218	397	15.09		0.24	B>	16	397	0.37		0.06	A

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.9: DIF Statistics based on ELL and Non-ELL Students for Items in Prewriting on Stage I**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
50	SA2	2694	532	6.17		0.13	A	2326	900	3.10		-0.06	A
51	SA2	2694	532	30.44		0.25	B>	2326	900	1.27		-0.04	A
52	SA2	2694	532	33.06		0.24	B>	2326	900	0.24		-0.01	A
53	SA2	2694	532	10.11		0.10	A	2326	900	0.15		0.01	A
54	SA2	2694	532	4.39		0.09	A	2326	900	5.19		-0.04	A
55	SA2	11030	2054	91.13		0.24	B>	9714	3370	5.49		0.05	A
56	SA2	2694	532	4.80		0.09	A	2326	900	1.16		0.02	A
57	SA2	2694	532	6.29		0.10	A	2326	900	1.81		-0.03	A
58	SA2	2694	532	6.48		0.03	A	2326	900	3.60		0.00	A
59	SA1	11030	2054	0.02	0.02	0.01	A	9714	3370	18.86	-0.45	-0.08	A
60	SA1	2694	532	2.37	-0.38	-0.05	A	2326	900	2.57	-0.33	-0.06	A
61	SA1	2694	532	0.69	-0.21	-0.03	A	2326	900	6.13	-0.52	-0.10	A
62	SA2	2694	532	33.18		0.12	A	2326	900	33.68		0.17	A
63	SA2	11030	2054	66.99		0.13	A	9714	3370	45.73		0.09	A
64	SA3	2694	532	12.22		0.11	A	2326	900	32.28		0.15	A
65	SA3	11030	2054	46.28		0.12	A	9714	3370	48.44		0.09	A
66	SA2	2691	509	15.83		0.20	B>	2390	810	0.88		-0.02	A
67	SA2	2691	509	32.50		0.28	C>	2390	810	2.01		0.05	A
68	SA2	2691	509	16.90		0.18	B>	2390	810	3.77		-0.06	A
69	SA2	2691	509	18.77		0.20	B>	2390	810	1.94		0.01	A
70	SA2	2691	509	3.16		-0.07	A	2390	810	6.42		0.01	A
71	SA2	2691	509	1.77		-0.02	A	2390	810	2.06		-0.01	A
72	SA2	2691	509	9.71		0.10	A	2390	810	1.11		-0.01	A
73	SA2	2691	509	8.01		0.06	A	2390	810	12.07		0.09	A
74	SA1	2691	509	4.21	-0.51	-0.10	A	2390	810	3.21	-0.39	-0.07	A
75	SA1	2691	509	0.01	-0.03	0.00	A	2390	810	0.18	0.09	0.01	A
76	SA2	2691	509	14.08		0.08	A	2390	810	4.25		0.03	A
77	SA3	2691	509	24.58		0.16	A	2390	810	7.42		0.01	A
78	SA2	2706	512	16.05		0.20	B>	2308	910	2.52		0.05	A
79	SA2	2706	512	6.84		0.14	A	2308	910	0.07		0.00	A
80	SA2	2706	512	22.11		0.21	B>	2308	910	0.43		-0.02	A
81	SA2	2706	512	17.54		0.17	B>	2308	910	0.42		0.00	A
82	SA2	2706	512	5.34		0.10	A	2308	910	13.00		-0.12	A
83	SA2	2706	512	9.60		0.13	A	2308	910	0.87		0.03	A
84	SA2	2706	512	3.85		0.07	A	2308	910	7.65		0.09	A
85	SA2	2706	512	9.01		0.15	A	2308	910	4.24		0.07	A
86	SA1	2706	512	0.30	-0.14	0.00	A	2308	910	3.06	-0.37	-0.06	A
87	SA1	2706	512	1.53	-0.32	-0.03	A	2308	910	0.19	-0.09	-0.02	A
88	SA2	2706	512	17.82		0.15	A	2308	910	0.79		0.02	A
89	SA3	2706	512	3.65		0.06	A	2308	910	5.40		0.00	A
90	SA2	2939	501	4.33		0.10	A	2690	750	3.43		0.08	A
91	SA2	2939	501	12.66		0.15	A	2690	750	3.11		-0.05	A
92	SA2	2939	501	9.61		0.14	A	2690	750	5.46		-0.07	A
93	SA2	2939	501	4.91		0.10	A	2690	750	0.66		-0.03	A
94	SA2	2939	501	26.16		-0.21	B<	2690	750	0.89		0.04	A
95	SA2	2939	501	2.20		0.04	A	2690	750	0.49		0.00	A
96	SA2	2939	501	0.77		0.04	A	2690	750	1.08		0.02	A
97	SA2	2939	501	7.46		-0.07	A	2690	750	1.16		-0.04	A
98	SA1	2939	501	0.02	0.04	0.01	A	2690	750	17.35	-0.90	-0.16	A
99	SA1	2939	501	7.06	0.68	0.12	A	2690	750	0.16	-0.09	-0.01	A
100	SA2	2939	501	9.44		0.10	A	2690	750	10.96		0.04	A

**Table F.9: DIF Statistics based on ELL and Non-ELL Students for Items in Prewriting on Stage I**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
101	SA3	2939	501	5.95		0.09	A	2690	750	18.70		0.10	A

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.10: DIF Statistics based on ELL Students for Items in Listening on Stage I**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
102	MC	5481	5549	0.92	-0.37	-0.02	A	9880	1150	0.02	0.11	0.01	A	632	10398	0.10	0.28	0.01	A	591	10439	1.03	0.83	0.05	A
103	MC	1330	1364	0.79	-0.72	-0.03	A	2449	245	6.00	2.60	0.17	A	68	2626	0.00	-0.16	-0.01	A	140	2554	0.31	0.97	0.06	A
104	MC	1330	1364	0.07	-0.20	-0.01	A	2449	245	0.02	0.21	0.01	A	68	2626	1.14		0.13		140	2554	0.51	1.20	0.08	A
105	MC	1330	1364	0.14	0.30	0.01	A	2449	245	2.45	1.78	0.13	A	68	2626	0.00	0.10	0.01	A	140	2554	0.54	1.26	0.08	A
106	MC	1330	1364	8.18	-0.64	-0.09	A	2449	245	0.33	0.23	0.04	A	68	2626	1.68	1.01	0.15	A	140	2554	0.20	-0.21	-0.04	A
107	MC	5481	5549	0.44	-0.07	-0.01	A	9880	1150	0.32	0.10	0.01	A	632	10398	0.45	-0.15	-0.03	A	591	10439	0.55	0.16	0.03	A
108	MC	1330	1364	0.82	0.21	0.03	A	2449	245	3.00	0.68	0.11	A	68	2626	2.15	1.23	0.18	A	140	2554	0.77	-0.42	-0.08	A
109	MC	1330	1364	0.97	0.28	0.04	A	2449	245	0.00	-0.02	-0.03	A	68	2626	1.86	1.42	0.16	A	140	2554	1.05	0.61	0.10	A
110	MC	1330	1364	0.00	0.01	0.00	A	2449	245	0.07	-0.10	-0.02	A	68	2626	0.16	0.28	0.04	A	140	2554	2.32	0.67	0.13	A
111	MC	1330	1364	0.17	-0.13	-0.01	A	2449	245	0.04	0.11	-0.02	A	68	2626	1.69	1.56	0.15	A	140	2554	0.70	0.55	0.08	A
112	MC	1330	1364	0.92	-0.34	-0.03	A	2449	245	0.17	0.28	0.03	A	68	2626	0.20	-0.47	-0.05	A	140	2554	0.01	0.05	0.01	A
113	MC	1350	1341	1.02	-1.01	-0.03	A	2415	276	0.49	-1.67	-0.05	A	171	2520	1.36	-1.71	-0.10	A	144	2547	0.00	-0.08	-0.01	A
114	MC	1350	1341	0.94	0.62	0.03	A	2415	276	0.11	0.34	0.01	A	171	2520	0.42	0.91	0.05	A	144	2547	2.26	-1.38	-0.16	A
115	MC	1350	1341	0.01	-0.03	-0.01	A	2415	276	0.66	-0.51	-0.06	A	171	2520	1.03	0.78	0.08	A	144	2547	0.02	-0.09	-0.01	A
116	MC	1350	1341	3.57	0.37	0.07	A	2415	276	0.00	0.02	0.01	A	171	2520	0.28	-0.21	-0.04	A	144	2547	0.12	-0.15	-0.03	A
117	MC	1350	1341	0.00	-0.01	0.00	A	2415	276	8.23	1.04	0.17	B>	171	2520	4.11	-0.91	-0.15	A	144	2547	0.67	0.40	0.07	A
118	MC	1350	1341	0.66	0.20	0.03	A	2415	276	9.98	1.21	0.19	B>	171	2520	0.16	-0.18	-0.03	A	144	2547	3.59	-0.88	-0.17	A
119	MC	1350	1341	0.16	-0.08	-0.01	A	2415	276	1.83	-0.50	-0.07	A	171	2520	2.44	0.70	0.12	A	144	2547	0.05	-0.10	-0.02	A
120	MC	1350	1341	0.36	0.23	0.02	A	2415	276	2.48	0.93	0.10	A	171	2520	0.02	-0.10	-0.01	A	144	2547	3.74	-1.16	-0.19	A
121	MC	1350	1341	2.08	-0.34	-0.05	A	2415	276	0.28	-0.22	-0.03	A	171	2520	0.11	-0.15	-0.02	A	144	2547	4.50	-0.97	-0.18	A
122	MC	1347	1359	3.25	-1.41	-0.06	A	2392	314	1.61	1.45	0.10	A	145	2561	0.00	-0.11	0.00	A	154	2552	0.17	-0.53	-0.04	A
123	MC	1347	1359	0.05	-0.17	-0.01	A	2392	314	1.28	1.29	0.07	A	145	2561	0.00	-0.01	0.00	A	154	2552	0.03	0.25	0.02	A
124	MC	1347	1359	0.27	0.13	0.02	A	2392	314	2.11	0.56	0.09	A	145	2561	0.02	0.07	0.01	A	154	2552	0.42	-0.31	-0.06	A
125	MC	1347	1359	0.02	0.05	0.00	A	2392	314	2.29	0.70	0.08	A	145	2561	0.02	-0.10	-0.01	A	154	2552	0.14	0.22	0.03	A
126	MC	1347	1359	0.22	-0.14	-0.02	A	2392	314	6.23	1.12	0.14	A	145	2561	0.58	0.54	0.06	A	154	2552	0.69	0.44	0.08	A
127	MC	1347	1359	4.63	0.53	0.08	A	2392	314	0.02	0.06	0.06	A	145	2561	0.81	-0.47	-0.07	A	154	2552	0.01	-0.04	-0.01	A
128	MC	1347	1359	0.09	0.09	0.02	A	2392	314	3.65	0.90	0.12	A	145	2561	0.30	0.36	0.04	A	154	2552	0.88	0.52	0.09	A
129	MC	1347	1359	1.79	-0.42	-0.04	A	2392	314	1.57	-0.78	-0.05	A	145	2561	0.50	-0.45	-0.06	A	154	2552	0.06	0.14	0.02	A
130	MC	1347	1359	5.73	-0.75	-0.07	A	2392	314	3.34	-1.18	-0.11	A	145	2561	1.38	0.84	0.09	A	154	2552	0.02	-0.08	-0.01	A
131	MC	1454	1485	1.14	-0.79	-0.04	A	2624	315	0.01	0.13	0.01	A	248	2691	0.06	-0.30	-0.02	A	153	2786	2.19	3.17	0.16	A
132	MC	1454	1485	0.02	-0.12	-0.01	A	2624	315	0.17	-0.71	-0.03	A	248	2691	0.07	0.45	0.02	A	153	2786	0.76	1.98	0.09	A
133	MC	1454	1485	2.55	0.34	0.05	A	2624	315	0.63	0.27	0.04	A	248	2691	1.21	0.43	0.07	A	153	2786	0.57	0.34	0.07	A
134	MC	1454	1485	15.58	-0.70	-0.13	A	2624	315	3.25	0.51	0.11	A	248	2691	0.67	0.26	0.05	A	153	2786	11.19	1.40	0.28	B>
135	MC	1454	1485	3.30	0.50	0.06	A	2624	315	6.37	1.03	0.16	A	248	2691	0.28	-0.25	-0.03	A	153	2786	1.17	-0.57	-0.10	A
136	MC	1454	1485	1.63	0.23	0.04	A	2624	315	3.12	0.51	0.10	A	248	2691	2.24	-0.48	-0.10	A	153	2786	0.60	0.31	0.07	A
137	MC	1454	1485	1.54	0.32	0.04	A	2624	315	1.61	0.51	0.08	A	248	2691	0.10	-0.14	-0.02	A	153	2786	1.28	-0.55	-0.10	A
138	MC	1454	1485	4.62	-0.51	-0.07	A	2624	315	2.35	-0.65	-0.09	A	248	2691	1.75	0.59	0.08	A	153	2786	2.12	-0.66	-0.13	A
139	MC	1454	1485	5.57	-0.54	-0.08	A	2624	315	0.24	-0.19	-0.03	A	248	2691	5.44	1.07	0.15	A	153	2786	0.02	0.06	0.01	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.11: DIF Statistics based on ELL Students' Home Languages for Items in Listening on Stage I**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
102	MC	8720	2310	0.35	-0.31	-0.02	A	8720	1468	3.61	-1.45	-0.06	A	842	1468	6.81	-2.43	-0.11	C<	71	1468	3.69	-3.30	-0.24	A
103	MC	2113	581	0.95	0.91	0.04	A	2113	403	1.29	-1.91	-0.06	A	178	403	11.66	-5.44	-0.28	C<	11	403	9.48	-7.37	-1.01	C<
104	MC	2113	581	0.00	0.06	0.00	A	2113	403	0.07	-0.30	-0.01	A	178	403	0.43	-1.12	-0.05	A	11	403	0.13		0.11	
105	MC	2113	581	2.14	1.24	0.07	A	2113	403	0.24	0.52	0.03	A	178	403	1.95	-1.97	-0.11	A	11	403	3.33	-4.58	-0.59	A
106	MC	2113	581	0.23	0.13	0.02	A	2113	403	0.00	0.02	0.00	A	178	403	0.54	-0.40	-0.06	A	11	403	1.48	3.19	0.35	A
107	MC	8720	2310	0.72	0.11	0.02	A	8720	1468	2.38	0.24	0.04	A	842	1468	2.24	0.37	0.06	A	71	1468	0.03	0.10	0.02	A
108	MC	2113	581	0.45	-0.20	-0.04	A	2113	403	0.82	-0.31	-0.06	A	178	403	0.34	-0.33	-0.05	A	11	403	0.63	1.80	0.25	A
109	MC	2113	581	0.98	0.34	0.04	A	2113	403	0.48	0.27	0.04	A	178	403	0.10	-0.22	-0.03	A	11	403	0.32	1.18	0.17	A
110	MC	2113	581	1.04	-0.27	-0.04	A	2113	403	3.61	-0.58	-0.09	A	178	403	4.24	-1.02	-0.16	A	11	403	0.17	-0.71	-0.12	A
111	MC	2113	581	1.75	-0.55	-0.07	A	2113	403	3.60	-0.97	-0.10	A	178	403	2.46	-1.22	-0.13	A	11	403	0.00	-0.09	-0.01	A
112	MC	2113	581	0.51	-0.32	-0.03	A	2113	403	2.39	-0.86	-0.08	A	178	403	3.91	-1.69	-0.16	A	11	403	1.88	-2.58	-0.43	A
113	MC	2137	554	0.01	-0.16	-0.01	A	2137	354	0.12	-0.61	-0.02	A	200	354	0.14	-0.90	-0.04	A	35	354	1.35	-3.26	-0.24	A
114	MC	2137	554	0.24	-0.41	-0.03	A	2137	354	0.19	-0.45	-0.04	A	200	354	0.02	-0.21	-0.02	A	35	354	0.38	-1.67	-0.11	A
115	MC	2137	554	0.25	-0.22	-0.02	A	2137	354	1.25	-0.65	-0.06	A	200	354	1.59	-1.03	-0.11	A	35	354	0.46	-0.98	-0.14	A
116	MC	2137	554	0.32	0.14	0.03	A	2137	354	0.00	0.02	0.01	A	200	354	0.46	-0.31	-0.06	A	35	354	2.23	-1.34	-0.25	A
117	MC	2137	554	2.06	0.40	0.06	A	2137	354	0.10	0.11	0.01	A	200	354	2.18	-0.75	-0.12	A	35	354	4.95	-2.12	-0.39	A
118	MC	2137	554	8.03	0.83	0.13	A	2137	354	3.16	0.63	0.10	A	200	354	1.03	-0.53	-0.09	A	35	354	3.57	-1.77	-0.33	A
119	MC	2137	554	2.41	-0.42	-0.07	A	2137	354	2.81	-0.54	-0.10	A	200	354	0.38	-0.31	-0.06	A	35	354	0.28	-0.53	-0.10	A
120	MC	2137	554	1.46	0.55	0.06	A	2137	354	0.05	-0.14	-0.01	A	200	354	3.74	-1.57	-0.17	A	35	354	1.20	-1.61	-0.19	A
121	MC	2137	554	1.81	-0.41	-0.06	A	2137	354	3.42	-0.70	-0.10	A	200	354	1.63	-0.73	-0.11	A	35	354	0.85	-0.99	-0.17	A
122	MC	2146	560	1.43	1.14	0.07	A	2146	314	0.03	0.25	0.01	A	246	314	0.86	-1.61	-0.08	A	9	314	0.11		0.12	
123	MC	2146	560	1.05	0.97	0.06	A	2146	314	0.26	-0.87	-0.03	A	246	314	2.78	-3.04	-0.14	A	9	314	0.08		0.11	
124	MC	2146	560	0.00	-0.02	0.00	A	2146	314	0.09	-0.12	-0.02	A	246	314	0.20	-0.26	-0.04	A	9	314	2.01		0.49	
125	MC	2146	560	3.30	0.68	0.10	A	2146	314	0.99	0.49	0.07	A	246	314	0.38	-0.41	-0.05	A	9	314	1.36		0.41	
126	MC	2146	560	4.33	0.77	0.11	A	2146	314	0.70	0.41	0.06	A	246	314	1.29	-0.75	-0.09	A	9	314	0.02	0.47	0.05	A
127	MC	2146	560	0.74	0.27	0.05	A	2146	314	2.39	0.60	0.09	A	246	314	2.29	0.88	0.12	A	9	314	0.46	1.97	0.23	A
128	MC	2146	560	4.53	0.78	0.10	A	2146	314	0.46	0.32	0.02	A	246	314	2.18	-0.96	-0.13	A	9	314	0.78	-1.80	-0.31	A
129	MC	2146	560	0.05	0.10	0.02	A	2146	314	0.28	0.28	0.03	A	246	314	0.46	0.54	0.05	A	9	314	1.18		0.38	
130	MC	2146	560	2.95	-0.80	-0.07	A	2146	314	4.34	-1.35	-0.12	A	246	314	1.49	-1.09	-0.10	A	9	314	0.75		0.30	
131	MC	2324	615	0.05	-0.21	-0.01	A	2324	397	1.35	-1.64	-0.06	A	218	397	3.41	-3.07	-0.14	A	16	397	0.08		0.06	
132	MC	2324	615	2.40	1.47	0.07	A	2324	397	1.76	1.45	0.07	A	218	397	0.00	0.09	0.01	A	16	397	0.21		0.11	
133	MC	2324	615	0.07	-0.07	-0.01	A	2324	397	0.20	-0.14	-0.02	A	218	397	0.13	-0.18	-0.03	A	16	397	0.94	1.63	0.24	A
134	MC	2324	615	0.00	-0.01	0.00	A	2324	397	3.51	-0.49	-0.10	A	218	397	11.93	-1.41	-0.30	B<	16	397	5.35	-2.74	-0.59	A
135	MC	2324	615	0.82	0.30	0.04	A	2324	397	0.10	-0.13	-0.02	A	218	397	3.76	-1.16	-0.15	A	16	397	0.44	1.68	0.17	A
136	MC	2324	615	6.04	0.54	0.11	A	2324	397	5.28	0.60	0.13	A	218	397	0.27	0.21	0.06	A	16	397	0.86	-1.18	-0.24	A
137	MC	2324	615	3.21	0.54	0.08	A	2324	397	3.38	0.65	0.10	A	218	397	0.20	0.25	0.05	A	16	397	0.25	0.89	0.13	A
138	MC	2324	615	0.26	-0.15	-0.02	A	2324	397	0.37	-0.21	-0.03	A	218	397	0.12	-0.19	-0.03	A	16	397	0.34	-0.81	-0.14	A
139	MC	2324	615	0.14	0.10	0.01	A	2324	397	0.73	0.27	0.05	A	218	397	1.28	0.61	0.09	A	16	397	0.68	1.74	0.21	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF),

SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.12: DIF Statistics based on ELL and Non-ELL Students for Items in Listening on Stage I**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
102	MC	11030	2054	0.87	0.47	0.02	A	9714	3370	5.13	-1.04	-0.05	A
103	MC	2694	532	4.19	1.68	0.10	A	2326	900	0.79	-0.74	-0.04	A
104	MC	2694	532	10.31	2.23	0.17	C>	2326	900	2.09	-1.13	-0.06	A
105	MC	2694	532	6.10	1.88	0.13	A	2326	900	0.01	0.09	0.00	A
106	MC	2694	532	0.49	0.20	0.02	A	2326	900	1.29	0.26	0.04	A
107	MC	11030	2054	4.84	0.30	0.05	A	9714	3370	13.12	-0.41	-0.07	A
108	MC	2694	532	2.08	0.42	0.08	A	2326	900	0.62	-0.19	-0.03	A
109	MC	2694	532	0.78	-0.34	-0.05	A	2326	900	0.83	-0.27	-0.04	A
110	MC	2694	532	0.66	-0.22	-0.03	A	2326	900	2.16	-0.31	-0.05	A
111	MC	2694	532	1.60	0.50	0.07	A	2326	900	0.14	-0.12	-0.01	A
112	MC	2694	532	1.35	0.52	0.06	A	2326	900	2.11	-0.52	-0.05	A
113	MC	2691	509	0.04	-0.30	-0.02	A	2390	810	0.05	-0.26	-0.01	A
114	MC	2691	509	0.21	-0.41	-0.03	A	2390	810	0.19	0.28	0.02	A
115	MC	2691	509	0.53	-0.35	-0.03	A	2390	810	1.32	-0.44	-0.04	A
116	MC	2691	509	0.96	0.24	0.04	A	2390	810	1.39	-0.24	-0.05	A
117	MC	2691	509	0.03	0.05	0.01	A	2390	810	0.57	-0.18	-0.03	A
118	MC	2691	509	0.23	-0.15	-0.04	A	2390	810	0.06	-0.06	-0.01	A
119	MC	2691	509	0.88	-0.25	-0.07	A	2390	810	0.61	-0.18	-0.03	A
120	MC	2691	509	0.06	0.12	0.00	A	2390	810	0.05	-0.09	0.00	A
121	MC	2691	509	13.44	-1.22	-0.18	B<	2390	810	0.06	0.06	0.01	A
122	MC	2706	512	0.63	-1.12	-0.05	A	2308	910	0.22	-0.42	-0.02	A
123	MC	2706	512	0.19	-0.55	-0.02	A	2308	910	2.05	1.09	0.05	A
124	MC	2706	512	0.94	-0.32	-0.05	A	2308	910	1.36	0.29	0.04	A
125	MC	2706	512	0.34	0.23	0.01	A	2308	910	0.65	0.24	0.03	A
126	MC	2706	512	0.03	0.07	0.00	A	2308	910	4.01	0.59	0.07	A
127	MC	2706	512	3.62	0.59	0.10	A	2308	910	3.99	0.49	0.08	A
128	MC	2706	512	0.39	0.24	0.03	A	2308	910	2.42	0.46	0.05	A
129	MC	2706	512	0.10	-0.14	-0.01	A	2308	910	0.19	0.14	0.01	A
130	MC	2706	512	0.66	-0.37	-0.05	A	2308	910	0.21	0.15	0.01	A
131	MC	2939	501	0.20	0.44	0.03	A	2690	750	1.45	-1.16	-0.05	A
132	MC	2939	501	6.45	2.16	0.14	A	2690	750	1.47	-1.36	-0.05	A
133	MC	2939	501	1.02	0.28	0.06	A	2690	750	5.71	-0.59	-0.10	A
134	MC	2939	501	10.24	-0.76	-0.15	A	2690	750	6.11	0.49	0.11	A
135	MC	2939	501	0.48	0.24	0.02	A	2690	750	0.53	-0.23	-0.03	A
136	MC	2939	501	0.03	0.04	0.02	A	2690	750	15.78	-0.80	-0.16	A
137	MC	2939	501	0.01	0.03	-0.01	A	2690	750	3.85	-0.60	-0.08	A
138	MC	2939	501	5.36	-0.80	-0.10	A	2690	750	0.94	-0.27	-0.04	A
139	MC	2939	501	0.20	-0.14	-0.03	A	2690	750	0.52	-0.19	-0.03	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.13: DIF Statistics based on ELL Students for Items in Speaking on Stage I**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
140	SA1	1330	1364	0.01	0.03	0.00	A	2449	245	0.44	-0.33	-0.04	A	68	2626	0.09	0.26	0.04	A	140	2554	4.80	-1.02	-0.20	A
141	SA1	1330	1364	1.60	-0.28	-0.04	A	2449	245	0.00	-0.02	-0.01	A	68	2626	0.44	-0.47	-0.07	A	140	2554	0.38	-0.29	-0.05	A
142	SA1	1330	1364	0.01	-0.04	0.00	A	2449	245	1.91	0.89	0.10	A	68	2626	1.30	-1.19	-0.14	A	140	2554	0.19	-0.34	-0.04	A
143	SA2	5481	5549	1.49		-0.01	A	9880	1150	1.37		-0.03	A	632	10398	7.93		0.11	A	591	10439	21.61		-0.06	A
144	SA2	1330	1364	5.21		0.03	A	2449	245	0.34		0.02	A	68	2626	0.64		0.08	A	140	2554	15.14		-0.33	C<
145	SA1	5481	5549	16.63	-0.40	-0.07	A	9880	1150	8.21	0.46	0.10	A	632	10398	12.30	0.73	0.13	A	591	10439	6.09	-0.55	-0.10	A
146	SA1	1330	1364	8.92	-0.63	-0.12	A	2449	245	2.49	-0.55	-0.07	A	68	2626	0.71	0.53	0.10	A	140	2554	1.88	0.62	0.12	A
147	SA1	1330	1364	8.93	-0.71	-0.11	A	2449	245	5.97	-0.92	-0.11	A	68	2626	5.32	1.44	0.27	A	140	2554	0.01	0.06	0.01	A
148	SA2	5481	5549	3.48		0.00	A	9880	1150	0.08		-0.02	A	632	10398	5.10		0.07	A	591	10439	14.53		-0.05	A
149	SA2	1330	1364	1.23		-0.03	A	2449	245	0.20		0.00	A	68	2626	3.25		0.19	A	140	2554	4.52		-0.03	A
150	SA1	1350	1341	2.02	-0.41	-0.04	A	2415	276	0.31	0.26	0.05	A	171	2520	2.75	1.11	0.13	A	144	2547	0.04	0.11	0.02	A
151	SA1	1350	1341	1.67	-0.30	-0.05	A	2415	276	1.06	0.39	0.06	A	171	2520	0.02	0.07	0.01	A	144	2547	0.20	-0.21	-0.04	A
152	SA1	1350	1341	5.03	-0.69	-0.08	A	2415	276	1.07	0.52	0.07	A	171	2520	1.96	1.00	0.11	A	144	2547	1.12	-0.60	-0.10	A
153	SA2	1350	1341	10.45		-0.03	A	2415	276	4.01		0.13	A	171	2520	0.67		0.05	A	144	2547	0.54		-0.07	A
154	SA1	1350	1341	27.24	-1.05	-0.19	B<	2415	276	1.66	-0.43	-0.05	A	171	2520	1.80	0.53	0.10	A	144	2547	0.27	-0.23	-0.04	A
155	SA1	1350	1341	0.48	-0.23	-0.02	A	2415	276	6.43	-1.14	-0.16	A	171	2520	18.26	2.20	0.33	C>	144	2547	0.00	-0.02	0.00	A
156	SA2	1350	1341	6.89		0.03	A	2415	276	0.71		0.05	A	171	2520	2.32		-0.06	A	144	2547	2.35		-0.09	A
157	SA1	1347	1359	1.39	-0.32	-0.04	A	2392	314	0.22	0.21	0.03	A	145	2561	4.66	1.62	0.18	A	154	2552	0.08	-0.14	-0.02	A
158	SA1	1347	1359	6.52	-0.54	-0.08	A	2392	314	5.58	-0.85	-0.15	A	145	2561	10.22	1.70	0.26	C>	154	2552	0.22	-0.20	-0.04	A
159	SA1	1347	1359	0.40	-0.21	-0.02	A	2392	314	0.52	0.38	0.03	A	145	2561	0.31	0.43	0.05	A	154	2552	1.37	-0.69	-0.11	A
160	SA2	1347	1359	0.04		0.00	A	2392	314	0.03		0.00	A	145	2561	0.37		-0.04	A	154	2552	0.01		0.01	A
161	SA1	1347	1359	11.48	-0.68	-0.12	A	2392	314	0.13	-0.11	-0.02	A	145	2561	3.93	0.90	0.16	A	154	2552	0.05	-0.10	-0.01	A
162	SA1	1347	1359	0.13	0.10	0.02	A	2392	314	0.63	0.32	0.05	A	145	2561	0.05	0.13	0.02	A	154	2552	3.14	0.97	0.13	A
163	SA2	1347	1359	0.14		-0.01	A	2392	314	0.86		0.02	A	145	2561	1.53		0.05	A	154	2552	2.79		-0.10	A
164	SA1	1454	1485	0.12	0.08	0.01	A	2624	315	4.30	-0.94	-0.13	A	248	2691	5.24	1.12	0.15	A	153	2786	0.39	0.33	0.05	A
165	SA1	1454	1485	0.47	-0.14	-0.02	A	2624	315	5.41	-0.82	-0.13	A	248	2691	2.89	0.64	0.10	A	153	2786	5.21	-0.93	-0.19	A
166	SA1	1454	1485	0.76	-0.29	-0.03	A	2624	315	4.49	-1.44	-0.14	A	248	2691	6.48	2.05	0.17	A	153	2786	0.78	-0.54	-0.08	A
167	SA2	1454	1485	1.17		0.04	A	2624	315	4.43		0.11	A	248	2691	0.77		0.05	A	153	2786	7.89		-0.11	A
168	SA1	1454	1485	4.30	-0.40	-0.07	A	2624	315	1.63	0.41	0.09	A	248	2691	3.48	0.66	0.11	A	153	2786	2.88	-0.74	-0.13	A
169	SA1	1454	1485	0.77	-0.22	-0.03	A	2624	315	0.03	0.07	0.02	A	248	2691	0.01	-0.05	-0.01	A	153	2786	2.12	0.83	0.11	A
170	SA2	1454	1485	1.03		-0.04	A	2624	315	1.99		-0.01	A	248	2691	17.92		0.25	C>	153	2786	2.53		0.06	A

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,

$\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.14: DIF Statistics based on ELL Students' Home Languages for Items in Speaking on Stage I**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
140	SA1	2113	581	3.01	-0.58	-0.08	A	2113	403	5.89	-0.98	-0.13	A	178	403	4.18	-1.30	-0.17	A	11	403	0.09	0.82	0.09	A
141	SA1	2113	581	0.58	-0.22	-0.04	A	2113	403	1.03	-0.34	-0.06	A	178	403	0.42	-0.34	-0.05	A	11	403	0.38	-1.17	-0.17	A
142	SA1	2113	581	1.01	0.48	0.05	A	2113	403	0.34	-0.36	-0.03	A	178	403	7.59	-2.26	-0.23	C<	11	403	0.46	-1.79	-0.21	A
143	SA2	8720	2310	6.91		-0.06	A	8720	1468	13.97		-0.10	A	842	1468	7.94		-0.11	A	71	1468	1.24		-0.09	A
144	SA2	2113	581	1.47		-0.06	A	2113	403	5.35		-0.12	A	178	403	7.72		-0.18	A	11	403	0.14		-0.07	A
145	SA1	8720	2310	0.08	-0.03	-0.01	A	8720	1468	7.34	-0.38	-0.08	A	842	1468	19.82	-0.98	-0.18	A	71	1468	4.51	-1.37	-0.25	A
146	SA1	2113	581	4.13	-0.50	-0.09	A	2113	403	1.92	-0.39	-0.08	A	178	403	0.59	0.36	0.08	A	11	403	1.11	1.55	0.32	A
147	SA1	2113	581	11.96	-0.94	-0.14	A	2113	403	7.18	-0.84	-0.13	A	178	403	0.28	0.27	0.05	A	11	403	0.35	-1.29	-0.17	A
148	SA2	8720	2310	6.18		-0.05	A	8720	1468	22.21		-0.12	A	842	1468	24.00		-0.18	B<	71	1468	4.68		-0.08	A
149	SA2	2113	581	1.76		-0.03	A	2113	403	3.84		-0.09	A	178	403	4.74		-0.16	A	11	403	0.08		0.07	A
150	SA1	2137	554	2.41	-0.59	-0.08	A	2137	354	7.58	-1.44	-0.17	B<	200	354	7.74	-1.93	-0.25	C<	35	354	5.11	-2.72	-0.43	A
151	SA1	2137	554	2.33	-0.44	-0.08	A	2137	354	15.17	-1.53	-0.22	C<	200	354	22.38	-2.50	-0.40	C<	35	354	7.08	-2.51	-0.49	C<
152	SA1	2137	554	3.76	0.71	0.07	A	2137	354	0.09	0.14	-0.02	A	200	354	4.49	-1.34	-0.20	A	35	354	0.02	0.20	0.02	A
153	SA2	2137	554	0.23		0.02	A	2137	354	1.58		-0.08	A	200	354	8.02		-0.24	A	35	354	7.26		-0.24	A
154	SA1	2137	554	18.60	-1.06	-0.18	B<	2137	354	22.01	-1.37	-0.25	B<	200	354	3.96	-0.93	-0.17	A	35	354	0.40	-0.60	-0.12	A
155	SA1	2137	554	26.19	-1.77	-0.23	C<	2137	354	37.57	-2.34	-0.32	C<	200	354	7.86	-1.84	-0.24	C<	35	354	0.31	-0.73	-0.09	A
156	SA2	2137	554	1.70		0.02	A	2137	354	1.04		-0.04	A	200	354	2.89		-0.14	A	35	354	4.12		-0.33	A
157	SA1	2146	560	1.11	-0.39	-0.05	A	2146	314	6.50	-1.43	-0.15	A	246	314	8.30	-1.96	-0.24	C<	9	314	0.78		0.31	
158	SA1	2146	560	11.87	-0.98	-0.16	A	2146	314	11.80	-1.30	-0.20	B<	246	314	1.60	-0.65	-0.10	A	9	314	0.82	2.87	0.29	A
159	SA1	2146	560	0.00	0.03	0.00	A	2146	314	0.14	-0.21	-0.03	A	246	314	0.53	-0.55	-0.06	A	9	314	0.73		0.30	
160	SA2	2146	560	0.93		0.03	A	2146	314	0.41		0.01	A	246	314	0.41		-0.03	A	9	314	1.57		0.28	A
161	SA1	2146	560	1.32	-0.28	-0.03	A	2146	314	5.45	-0.73	-0.10	A	246	314	5.16	-0.99	-0.17	A	9	314	0.12	-0.74	-0.11	A
162	SA1	2146	560	0.01	0.03	0.01	A	2146	314	0.54	-0.28	-0.05	A	246	314	1.67	-0.73	-0.11	A	9	314	0.16	-0.90	-0.12	A
163	SA2	2146	560	1.28		0.01	A	2146	314	2.46		-0.06	A	246	314	5.62		-0.17	A	9	314	0.45		0.21	A
164	SA1	2324	615	1.13	-0.33	-0.05	A	2324	397	0.12	-0.13	-0.02	A	218	397	1.03	0.62	0.08	A	16	397	1.09	2.58	0.27	A
165	SA1	2324	615	6.29	-0.65	-0.11	A	2324	397	4.06	-0.62	-0.10	A	218	397	0.07	0.13	0.02	A	16	397	0.13	-0.53	-0.09	A
166	SA1	2324	615	6.88	-1.23	-0.12	B<	2324	397	5.36	-1.32	-0.12	A	218	397	0.07	-0.25	-0.02	A	16	397	0.03	-0.47	-0.05	A
167	SA2	2324	615	2.22		0.05	A	2324	397	1.25		-0.02	A	218	397	6.44		-0.21	A	16	397	2.19		-0.19	A
168	SA1	2324	615	0.09	-0.07	-0.01	A	2324	397	1.15	-0.31	-0.05	A	218	397	2.65	-0.74	-0.12	A	16	397	0.45	-0.92	-0.17	A
169	SA1	2324	615	1.98	-0.41	-0.06	A	2324	397	0.67	-0.30	-0.04	A	218	397	0.34	0.31	0.05	A	16	397	0.18	0.67	0.10	A
170	SA2	2324	615	2.20		-0.06	A	2324	397	10.89		-0.16	A	218	397	16.49		-0.27	C<	16	397	1.93		0.03	A

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.15: DIF Statistics based on ELL and Non-ELL Students for Items in Speaking on Stage I**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
140	SA1	2694	532	4.00	-0.70	-0.11	A	2326	900	2.14	-0.40	-0.06	A
141	SA1	2694	532	1.84	0.38	0.06	A	2326	900	10.82	-0.77	-0.12	A
142	SA1	2694	532	0.40	-0.34	-0.02	A	2326	900	2.45	-0.68	-0.06	A
143	SA2	11030	2054	149.59		-0.25	C<	9714	3370	0.51		-0.01	A
144	SA2	2694	532	36.16		-0.24	B<	2326	900	0.23		-0.02	A
145	SA1	11030	2054	11.71	-0.42	-0.07	A	9714	3370	0.34	0.06	0.01	A
146	SA1	2694	532	1.83	-0.33	-0.07	A	2326	900	1.00	-0.21	-0.04	A
147	SA1	2694	532	22.85	-1.21	-0.22	B<	2326	900	2.29	-0.35	-0.06	A
148	SA2	11030	2054	59.75		-0.17	B<	9714	3370	7.37		0.04	A
149	SA2	2694	532	18.58		-0.20	B<	2326	900	1.92		-0.04	A
150	SA1	2691	509	0.20	-0.17	-0.03	A	2390	810	23.02	1.35	0.20	B>
151	SA1	2691	509	0.36	-0.18	-0.03	A	2390	810	13.20	0.87	0.14	A
152	SA1	2691	509	0.09	-0.12	-0.02	A	2390	810	11.50	1.03	0.14	B>
153	SA2	2691	509	13.28		-0.09	A	2390	810	12.09		0.10	A
154	SA1	2691	509	1.09	-0.26	-0.04	A	2390	810	0.90	-0.20	-0.04	A
155	SA1	2691	509	23.53	-1.56	-0.23	C<	2390	810	0.50	-0.22	-0.03	A
156	SA2	2691	509	25.12		-0.24	B<	2390	810	9.58		0.08	A
157	SA1	2706	512	1.46	-0.47	-0.09	A	2308	910	4.20	0.57	0.08	A
158	SA1	2706	512	31.31	-1.76	-0.27	C<	2308	910	11.01	0.73	0.12	A
159	SA1	2706	512	0.95	-0.46	-0.08	A	2308	910	7.61	0.88	0.10	A
160	SA2	2706	512	0.45		-0.02	A	2308	910	1.13		0.03	A
161	SA1	2706	512	10.81	-0.82	-0.13	A	2308	910	1.45	0.25	0.04	A
162	SA1	2706	512	15.29	-1.08	-0.22	B<	2308	910	7.54	-0.68	-0.10	A
163	SA2	2706	512	17.69		-0.21	B<	2308	910	8.27		0.10	A
164	SA1	2939	501	1.01	-0.34	-0.06	A	2690	750	12.43	0.93	0.14	A
165	SA1	2939	501	6.97	-0.76	-0.12	A	2690	750	4.19	0.47	0.08	A
166	SA1	2939	501	1.31	-0.56	-0.06	A	2690	750	0.12	0.13	0.01	A
167	SA2	2939	501	5.64		0.10	A	2690	750	5.88		0.07	A
168	SA1	2939	501	15.44	-0.97	-0.19	A	2690	750	4.73	0.47	0.09	A
169	SA1	2939	501	1.53	0.40	0.05	A	2690	750	3.70	0.55	0.08	A
170	SA2	2939	501	16.60		-0.17	A	2690	750	9.18		0.11	A

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.16: DIF Statistics based on ELL Students for Items in Reading on Stage II**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag
1	MC	3802	4390	2.20	-0.29	-0.03	A	7240	952	0.19	-0.14	-0.02	A	416	7776	2.19	0.72	0.07	A	780	7412	2.66	0.52	0.07	A
2	MC	3802	4390	3.61	0.21	0.04	A	7240	952	0.35	-0.11	-0.02	A	416	7776	3.15	0.47	0.09	A	780	7412	0.13	0.07	0.01	A
3	MC	3802	4390	0.27	0.06	0.01	A	7240	952	0.21	-0.08	-0.02	A	416	7776	0.45	-0.16	-0.03	A	780	7412	5.13	-0.41	-0.09	A
4	MC	3802	4390	5.80	-0.25	-0.06	A	7240	952	1.02	-0.16	-0.04	A	416	7776	1.32	0.28	0.06	A	780	7412	2.41	-0.28	-0.05	A
5	MC	3802	4390	1.29	0.13	0.02	A	7240	952	0.00	-0.01	0.00	A	416	7776	0.40	0.16	0.03	A	780	7412	0.64	0.15	0.03	A
6	MC	3802	4390	1.20	-0.12	-0.03	A	7240	952	0.19	0.08	0.01	A	416	7776	0.03	-0.04	-0.01	A	780	7412	0.01	0.02	0.00	A
7	MC	3802	4390	0.58	-0.09	-0.02	A	7240	952	3.29	-0.32	-0.05	A	416	7776	2.18	0.38	0.07	A	780	7412	0.07	-0.05	-0.01	A
8	MC	944	1100	2.12	-0.33	-0.06	A	1821	223	4.40	-0.79	-0.14	A	61	1983	0.38	-0.41	-0.07	A	208	1836	0.00	0.02	0.00	A
9	MC	944	1100	0.89	-0.23	-0.04	A	1821	223	0.12	0.13	-0.03	A	61	1983	0.43	-0.47	-0.08	A	208	1836	0.13	0.14	0.03	A
10	MC	944	1100	6.96	1.28	0.11	B>	1821	223	0.04	-0.16	-0.01	A	61	1983	0.82	2.03	0.09	A	208	1836	4.57	-1.31	-0.18	A
11	MC	944	1100	0.01	-0.02	0.00	A	1821	223	0.18	-0.15	-0.01	A	61	1983	1.12	0.67	0.13	A	208	1836	2.40	-0.57	-0.11	A
12	MC	944	1100	0.17	-0.10	-0.02	A	1821	223	0.05	-0.09	-0.01	A	61	1983	4.87	1.79	0.25	A	208	1836	1.29	0.43	0.08	A
13	MC	944	1100	1.62	0.30	0.05	A	1821	223	0.00	0.01	-0.01	A	61	1983	0.00	0.03	0.01	A	208	1836	0.88	-0.35	-0.07	A
14	MC	944	1100	3.39	-0.44	-0.07	A	1821	223	0.34	-0.23	-0.05	A	61	1983	1.28	0.86	0.13	A	208	1836	0.16	-0.15	-0.03	A
15	MC	944	1100	2.31	0.34	0.06	A	1821	223	2.09	-0.54	-0.09	A	61	1983	0.03	0.12	0.02	A	208	1836	4.05	0.77	0.14	A
16	MC	944	1100	0.04	0.05	0.01	A	1821	223	0.01	-0.04	0.01	A	61	1983	0.04	-0.14	-0.02	A	208	1836	1.09	-0.42	-0.07	A
17	MC	944	1100	0.04	0.05	0.01	A	1821	223	0.32	0.24	0.03	A	61	1983	0.51	0.63	0.08	A	208	1836	7.34	-1.05	-0.20	B<
18	MC	944	1100	0.09	-0.07	-0.01	A	1821	223	0.72	-0.31	-0.01	A	61	1983	1.79	0.86	0.18	A	208	1836	0.37	-0.24	-0.05	A
19	MC	944	1100	1.10	-0.23	-0.05	A	1821	223	4.41	-0.75	-0.15	A	61	1983	0.55	0.47	0.09	A	208	1836	1.26	0.43	0.07	A
20	MC	944	1100	0.03	-0.04	0.00	A	1821	223	0.01	0.03	0.04	A	61	1983	0.15	-0.24	-0.05	A	208	1836	2.96	-0.62	-0.12	A
21	MC	944	1100	1.27	0.24	0.05	A	1821	223	0.07	-0.09	-0.01	A	61	1983	0.02	-0.10	-0.02	A	208	1836	0.51	0.26	0.05	A
22	MC	944	1100	0.13	0.08	0.01	A	1821	223	0.35	-0.21	-0.03	A	61	1983	0.96	0.66	0.13	A	208	1836	0.01	0.04	0.01	A
23	MC	944	1100	0.02	-0.03	0.00	A	1821	223	1.03	-0.39	-0.04	A	61	1983	0.00	0.03	0.01	A	208	1836	3.47	0.71	0.12	A
24	MC	944	1100	0.16	0.09	0.02	A	1821	223	1.13	0.38	0.06	A	61	1983	1.96	-0.94	-0.17	A	208	1836	2.47	0.59	0.11	A
25	MC	944	1100	1.80	-0.31	-0.05	A	1821	223	5.50	0.87	0.15	A	61	1983	0.69	0.63	0.10	A	208	1836	0.21	0.17	0.03	A
26	MC	944	1100	0.97	0.22	0.04	A	1821	223	0.63	0.28	0.03	A	61	1983	0.01	0.06	0.01	A	208	1836	0.38	0.23	0.04	A
27	MC	966	1145	0.00	0.01	0.00	A	1842	269	2.21	-0.62	-0.12	A	112	1999	0.21	0.26	0.04	A	209	1902	1.92	-0.54	-0.11	A
28	MC	966	1145	0.68	-0.39	-0.03	A	1842	269	5.89	1.51	0.17	A	112	1999	5.08	-1.78	-0.23	A	209	1902	1.60	-0.82	-0.10	A
29	MC	966	1145	5.46	-0.77	-0.09	A	1842	269	0.96	-0.54	-0.07	A	112	1999	0.57	0.57	0.07	A	209	1902	0.27	0.27	0.04	A
30	MC	966	1145	2.15	-0.32	-0.06	A	1842	269	8.54	-0.92	-0.20	A	112	1999	1.82	0.63	0.13	A	209	1902	1.09	-0.40	-0.07	A
31	MC	966	1145	1.64	0.28	0.05	A	1842	269	2.38	-0.53	-0.08	A	112	1999	0.20	0.23	0.04	A	209	1902	1.98	0.51	0.10	A
32	MC	966	1145	0.24	-0.11	-0.03	A	1842	269	0.05	-0.07	-0.04	A	112	1999	0.49	0.33	0.07	A	209	1902	3.44	0.68	0.14	A
33	MC	966	1145	2.11	0.34	0.05	A	1842	269	2.05	-0.55	-0.08	A	112	1999	0.05	-0.12	-0.02	A	209	1902	0.06	-0.09	-0.02	A
34	MC	966	1145	0.20	0.10	0.02	A	1842	269	2.64	-0.58	-0.10	A	112	1999	0.16	-0.20	-0.04	A	209	1902	1.13	0.41	0.07	A
35	MC	966	1145	0.00	0.01	0.00	A	1842	269	1.85	-0.43	-0.06	A	112	1999	0.10	0.15	0.03	A	209	1902	1.26	-0.42	-0.08	A
36	MC	966	1145	2.86	0.45	0.07	A	1842	269	0.82	0.37	0.11	A	112	1999	3.92	1.20	0.19	A	209	1902	3.71	-0.75	-0.15	A
37	MC	966	1145	0.76	0.20	0.04	A	1842	269	2.90	0.59	0.12	A	112	1999	0.01	0.06	0.01	A	209	1902	0.18	-0.16	-0.03	A
38	MC	966	1145	0.19	-0.10	-0.02	A	1842	269	0.09	-0.10	-0.03	A	112	1999	1.86	-0.66	-0.13	A	209	1902	0.03	-0.06	-0.01	A
39	MC	966	1145	0.63	-0.18	-0.03	A	1842	269	0.75	0.29	0.06	A	112	1999	3.34	0.87	0.17	A	209	1902	0.36	0.22	0.05	A
40	MC	966	1145	0.02	0.03	0.01	A	1842	269	0.32	-0.19	-0.02	A	112	1999	2.85	0.83	0.16	A	209	1902	2.43	0.56	0.11	A
41	MC	966	1145	1.47	0.27	0.05	A	1842	269	0.01	0.04	-0.01	A	112	1999	0.29	0.27	0.05	A	209	1902	0.02	0.05	0.01	A
42	MC	966	1145	0.23	0.11	0.02	A	1842	269	0.68	0.28	0.05	A	112	1999	0.48	0.35	0.07	A	209	1902	0.00	-0.01	0.00	A
43	MC	966	1145	0.01	-0.02	-0.01	A	1842	269	1.51	0.42	0.06	A	112	1999	0.16	0.20	0.04	A	209	1902	0.16	0.15	0.04	A
44	MC	966	1145	0.26	0.11	0.02	A	1842	269	0.01	-0.03	0.00	A	112	1999	0.01	-0.05	-0.01	A	209	1902	0.21	0.17	0.03	A
45	MC	966	1145	0.10	-0.07	-0.02	A	1842	269	1.13	-0.34	-0.09	A	112	1999	6.11	1.15	0.23	A	209	1902	3.22	0.65	0.12	A
46	MC	903	1056	1.14	-0.27	-0.05	A	1731	228	0.98	-0.41	-0.07	A	96	1863	3.92	1.24	0.20	A	185	1774	0.61	0.33	0.06	A
47	MC	903	1056	0.20	0.29	0.02	A	1731	228	0.36	0.53	0.03	A	96	1863	3.53		0.21		185	1774	1.87	-1.11	-0.11	A
48	MC	903	1056	1.14	-0.27	-0.04	A	1731	228	0.01	0.04	0.01	A	96	1863	1.16	-0.65	-0.10	A	185	1774	0.01	0.04	0.01	A
49	MC	903	1056	0.18	0.10	0.02	A	1731	228	0.00	0.01	0.03	A	96	1863	0.11	0.17	0.03	A	185	1774	1.33	-0.47	-0.08	A
50	MC	903	1056	2.03	0.33	0.06	A	1731	228	0.01	-0.04	-0.02	A	96	1863	0.25	0.26	0.05	A	185	1774	1.40	-0.49	-0.09	A
51	MC	903	1056	1.38	0.32	0.04	A	1731	228	0.03	-0.08	0.02	A	96	1863	1.04	0.63	0.09	A	185	1774	1.80	0.60	0.09	A
52	MC	903	1056	2.19	-0.33	-0.07	A	1731	228	0.65	-0.30	-0.02	A	96	1863	0.03	0.10	0.01	A	185	1774	0.00	-0.01	-0.01	A
53	MC	903	1056	3.26	0.45	0.07	A	1731	228	0.12	0.13	0.03	A	96	1863	0.00	-0.01	0.00	A	185	1774	0.58	-0.33	-0.06	A

**Table F.16: DIF Statistics based on ELL Students for Items in Reading on Stage II**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
54	MC	903	1056	9.76	-0.67	-0.14	A	1731	228	0.13	0.12	0.04	A	96	1863	0.14	-0.18	-0.04	A	185	1774	0.42	-0.24	-0.05	A
55	MC	903	1056	0.84	-0.33	-0.04	A	1731	228	4.62	1.08	0.12	A	96	1863	0.01	-0.08	-0.01	A	185	1774	0.36	-0.32	-0.05	A
56	MC	903	1056	0.05	0.06	0.01	A	1731	228	0.83	-0.37	-0.06	A	96	1863	1.20	-0.64	-0.10	A	185	1774	0.00	0.01	0.00	A
57	MC	903	1056	0.36	0.14	0.02	A	1731	228	2.78	-0.60	-0.10	A	96	1863	0.11	0.17	0.03	A	185	1774	1.78	-0.53	-0.10	A
58	MC	903	1056	0.41	0.15	0.03	A	1731	228	0.33	-0.20	-0.04	A	96	1863	2.17	0.73	0.15	A	185	1774	0.11	-0.14	-0.03	A
59	MC	903	1056	0.56	0.17	0.04	A	1731	228	1.36	-0.40	-0.08	A	96	1863	3.20	0.88	0.19	A	185	1774	1.03	0.39	0.08	A
60	MC	903	1056	3.85	0.44	0.09	A	1731	228	0.06	-0.09	-0.03	A	96	1863	0.53	0.38	0.07	A	185	1774	2.54	0.62	0.11	A
61	MC	903	1056	0.14	-0.08	-0.02	A	1731	228	0.82	0.30	0.05	A	96	1863	1.66	0.64	0.13	A	185	1774	0.09	-0.11	-0.02	A
62	MC	903	1056	0.11	0.08	0.02	A	1731	228	0.37	-0.21	-0.03	A	96	1863	0.13	0.20	0.04	A	185	1774	6.25	0.99	0.18	A
63	MC	903	1056	1.11	0.23	0.05	A	1731	228	6.07	-0.84	-0.15	A	96	1863	0.81	0.45	0.09	A	185	1774	0.07	-0.10	-0.03	A
64	MC	903	1056	7.24	0.60	0.12	A	1731	228	0.02	-0.05	-0.02	A	96	1863	0.01	-0.05	-0.01	A	185	1774	0.04	-0.08	-0.02	A
65	MC	989	1089	0.24	-0.13	-0.02	A	1846	232	1.61	-0.57	-0.08	A	147	1931	3.49	1.07	0.15	A	178	1900	11.73	-1.39	-0.27	B<
66	MC	989	1089	9.29	1.69	0.13	C>	1846	232	2.68	1.16	0.13	A	147	1931	1.02	-0.87	-0.09	A	178	1900	3.29	-1.33	-0.16	A
67	MC	989	1089	4.37	-0.50	-0.08	A	1846	232	10.25	-1.34	-0.20	B<	147	1931	0.24	0.24	0.04	A	178	1900	0.90	0.38	0.07	A
68	MC	989	1089	0.09	0.07	0.01	A	1846	232	0.22	0.16	0.01	A	147	1931	2.17	0.64	0.12	A	178	1900	0.00	-0.01	0.00	A
69	MC	989	1089	0.09	-0.07	-0.01	A	1846	232	3.89	0.73	0.11	A	147	1931	1.50	0.55	0.10	A	178	1900	1.70	-0.58	-0.10	A
70	MC	989	1089	0.09	-0.06	-0.01	A	1846	232	0.60	0.26	0.05	A	147	1931	0.35	-0.24	-0.05	A	178	1900	1.46	-0.46	-0.09	A
71	MC	989	1089	2.05	0.40	0.05	A	1846	232	1.52	-0.57	-0.08	A	147	1931	0.20	0.24	0.03	A	178	1900	3.42	-0.79	-0.14	A
72	MC	989	1089	0.00	0.00	0.00	A	1846	232	1.80	-0.51	-0.08	A	147	1931	0.00	0.03	0.00	A	178	1900	0.69	-0.35	-0.06	A
73	MC	989	1089	0.18	0.09	0.02	A	1846	232	2.20	0.51	0.10	A	147	1931	3.39	0.75	0.15	A	178	1900	0.01	-0.04	-0.01	A
74	MC	989	1089	0.46	-0.16	-0.03	A	1846	232	0.33	0.22	0.04	A	147	1931	0.91	0.46	0.08	A	178	1900	1.93	-0.56	-0.11	A
75	MC	989	1089	0.06	0.05	0.02	A	1846	232	0.45	-0.23	-0.05	A	147	1931	5.12	0.99	0.19	A	178	1900	1.09	0.40	0.08	A
76	MC	989	1089	2.07	0.34	0.06	A	1846	232	4.19	0.76	0.12	A	147	1931	9.69	1.47	0.23	B>	178	1900	0.58	-0.33	-0.05	A
77	MC	989	1089	2.56	0.36	0.07	A	1846	232	0.69	0.30	0.05	A	147	1931	0.91	0.41	0.08	A	178	1900	2.90	-0.69	-0.12	A
78	MC	989	1089	0.01	0.02	0.00	A	1846	232	0.46	-0.24	-0.06	A	147	1931	0.13	0.17	0.03	A	178	1900	1.31	-0.46	0.08	A
79	MC	989	1089	2.58	-0.35	-0.07	A	1846	232	1.52	-0.42	-0.10	A	147	1931	0.11	0.14	0.03	A	178	1900	0.00	-0.01	-0.01	A
80	MC	989	1089	1.72	-0.30	-0.05	A	1846	232	0.01	-0.05	-0.02	A	147	1931	0.09	0.14	0.02	A	178	1900	0.54	0.30	0.06	A
81	MC	989	1089	4.69	0.50	0.09	A	1846	232	1.26	0.40	0.06	A	147	1931	0.83	0.42	0.07	A	178	1900	1.50	0.49	0.09	A
82	MC	989	1089	0.55	-0.16	-0.03	A	1846	232	0.05	0.07	0.02	A	147	1931	0.51	-0.31	-0.06	A	178	1900	2.89	-0.65	-0.13	A
83	MC	989	1089	0.97	0.21	0.05	A	1846	232	0.41	-0.21	-0.05	A	147	1931	2.09	-0.61	-0.12	A	178	1900	0.05	0.09	0.02	A
189	SA1	3802	4390	2.22	-0.16	-0.03	A	7240	952	0.87	-0.16	-0.03	A	416	7776	0.61	0.19	0.04	A	780	7412	1.01	0.18	0.04	A
191	SA3	3802	4390	3.58	-0.02	-0.02	A	7240	952	11.15	-0.01	-0.01	A	416	7776	18.16	-0.13	-0.13	A	780	7412	15.01	-0.11	-0.11	A
192	SA1	944	1100	0.07	0.06	0.01	A	1821	223	0.09	-0.11	-0.01	A	61	1983	0.23	0.33	0.06	A	208	1836	0.08	-0.11	-0.02	A
193	SA1	944	1100	0.01	0.02	0.00	A	1821	223	0.28	-0.20	-0.02	A	61	1983	0.11	-0.22	-0.04	A	208	1836	0.32	-0.20	-0.04	A
202	SA3	944	1100	18.40	-0.15	-0.15	A	1821	223	8.89	-0.09	-0.09	A	61	1983	3.13		0.18	A	208	1836	2.57		0.08	A
203	SA3	944	1100	8.21		-0.10	A	1821	223	10.37		-0.15	A	61	1983	4.14		0.18	A	208	1836	1.62		0.05	A
204	SA1	966	1145	6.47	-0.56	-0.11	A	1842	269	8.45	-1.03	-0.16	B<	112	1999	11.03	1.82	0.32	C>	209	1902	12.14	1.33	0.26	B>
212	SA3	966	1145	7.65		-0.09	A	1842	269	0.49		0.00	A	112	1999	8.15		-0.20	A	209	1902	3.43		0.02	A
213	SA3	966	1145	17.82		-0.14	A	1842	269	0.79		-0.02	A	112	1999	8.92		-0.19	A	209	1902	4.81		-0.04	A
214	SA3	966	1145	4.64		-0.05	A	1842	269	1.81		-0.03	A	112	1999	15.91		-0.23	B<	209	1902	5.61		-0.01	A
215	SA1	903	1056	0.12	-0.08	-0.02	A	1731	228	1.18	-0.40	-0.06	A	96	1863	0.41	0.33	0.07	A	185	1774	0.05	-0.09	-0.02	A
216	SA1	903	1056	0.61	0.18	0.04	A	1731	228	4.89	-0.84	-0.15	A	96	1863	4.83	1.23	0.22	A	185	1774	0.38	-0.24	-0.05	A
224	SA3	903	1056	6.31		-0.08	A	1731	228	6.08		-0.10	A	96	1863	6.43		0.02	A	185	1774	6.18		-0.07	A
225	SA3	903	1056	2.98		-0.06	A	1731	228	3.13		0.01	A	96	1863	2.28		-0.08	A	185	1774	1.89		-0.02	A
226	SA1	989	1089	0.28	-0.11	-0.02	A	1846	232	0.18	0.14	0.03	A	147	1931	0.03	0.07	0.01	A	178	1900	15.99	1.60	0.32	C>
234	SA3	989	1089	10.59		-0.11	A	1846	232	0.72		0.00	A	147	1931	3.36		-0.05	A	178	1900	5.58		-0.11	A
235	SA3	989	1089	1.47		0.03	A	1846	232	20.01		0.16	A	147	1931	4.74		-0.01	A	178	1900	6.66		-0.15	A
236	SA3	989	1089	7.82		-0.06	A	1846	232	13.47		-0.18	B<	147	1931	5.22		0.09	A	178	1900	0.35		0.00	A

Note: MC=Multiple-choice Items, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.17: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage II**

		Focal Group: Spanish							Focal Group: Spanish							Focal Group: Non-Spanish							Focal Group: American Indian						
		Reference Group: Non-Spanish							Reference Group: English							Reference Group: English							Reference Group: English						
Item	Item Type	NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag				
1	MC	6868	1324	0.28	-0.14	-0.02	A	6868	812	1.61	-0.44	-0.04	A	512	812	2.08	-0.72	-0.08	A	64	812	0.06	0.31	0.03	A				
2	MC	6868	1324	0.04	-0.03	0.00	A	6868	812	0.78	-0.17	-0.03	A	512	812	1.66	-0.38	-0.07	A	64	812	0.54	-0.50	-0.09	A				
3	MC	6868	1324	0.97	-0.14	-0.03	A	6868	812	0.88	-0.17	-0.04	A	512	812	0.05	-0.06	-0.01	A	64	812	0.58	-0.47	-0.10	A				
4	MC	6868	1324	0.02	-0.02	0.00	A	6868	812	0.04	-0.04	0.00	A	512	812	0.01	-0.03	-0.01	A	64	812	0.01	0.05	0.01	A				
5	MC	6868	1324	2.69	-0.25	-0.05	A	6868	812	3.76	-0.37	-0.07	A	512	812	1.06	-0.29	-0.06	A	64	812	0.34	0.37	0.07	A				
6	MC	6868	1324	0.24	0.08	0.01	A	6868	812	0.62	0.15	0.03	A	512	812	0.46	0.19	0.04	A	64	812	1.26	0.70	0.14	A				
7	MC	6868	1324	0.35	-0.09	-0.01	A	6868	812	0.09	0.06	0.01	A	512	812	1.82	0.40	0.07	A	64	812	0.30	0.37	0.07	A				
8	MC	1732	312	0.83	-0.29	-0.05	A	1732	210	0.08	-0.11	-0.02	A	102	210	1.00	0.64	0.07	A	8	210	0.09	0.52	0.09	A				
9	MC	1732	312	0.00	0.02	0.00	A	1732	210	0.00	-0.03	-0.01	A	102	210	0.00	0.03	-0.05	A	8	210	0.00	0.03	0.00	A				
10	MC	1732	312	1.75	0.79	0.08	A	1732	210	0.32	0.41	0.03	A	102	210	1.67	-1.52	-0.13	A	8	210	0.70	-2.49	-0.27	A				
11	MC	1732	312	0.04	-0.06	0.00	A	1732	210	0.08	-0.10	-0.02	A	102	210	0.08	-0.18	-0.01	A	8	210	3.51	-4.85	-0.67	A				
12	MC	1732	312	0.81	-0.30	-0.05	A	1732	210	0.39	-0.24	-0.05	A	102	210	0.00	0.04	0.01	A	8	210	1.01	2.64	0.31	A				
13	MC	1732	312	1.89	0.43	0.08	A	1732	210	1.59	0.46	0.11	A	102	210	0.20	0.28	0.07	A	8	210	0.03	-0.29	-0.06	A				
14	MC	1732	312	1.11	-0.35	-0.06	A	1732	210	0.28	-0.21	-0.04	A	102	210	0.63	0.56	0.08	A	8	210	1.47	-3.14	-0.38	A				
15	MC	1732	312	0.01	-0.04	0.00	A	1732	210	0.72	0.32	0.06	A	102	210	2.87	1.11	0.19	A	8	210	1.47	2.77	0.39	A				
16	MC	1732	312	0.15	0.13	0.03	A	1732	210	0.14	0.15	0.03	A	102	210	0.01	-0.08	0.00	A	8	210	1.24	-2.70	-0.33	A				
17	MC	1732	312	1.81	-0.50	-0.08	A	1732	210	3.74	-0.89	-0.13	A	102	210	2.09	-1.10	-0.19	A	8	210	2.80	-2.78	-0.56	A				
18	MC	1732	312	1.38	-0.37	-0.06	A	1732	210	0.41	-0.24	-0.05	A	102	210	0.05	0.14	0.07	A	8	210	0.10	0.57	0.12	A				
19	MC	1732	312	1.47	-0.37	-0.07	A	1732	210	0.41	-0.23	-0.04	A	102	210	0.85	0.57	0.15	A	8	210	1.90	2.96	0.48	A				
20	MC	1732	312	1.62	-0.38	-0.06	A	1732	210	1.61	-0.45	-0.10	A	102	210	0.74	-0.53	-0.09	A	8	210	0.02	-0.27	-0.03	A				
21	MC	1732	312	0.01	-0.03	-0.01	A	1732	210	0.02	0.05	0.01	A	102	210	0.29	0.32	0.07	A	8	210	1.57	-2.64	-0.44	A				
22	MC	1732	312	0.00	0.02	0.01	A	1732	210	0.59	0.29	0.06	A	102	210	1.74	0.84	0.17	A	8	210	4.23	4.28	0.71	A				
23	MC	1732	312	0.56	-0.24	-0.03	A	1732	210	0.01	0.04	0.01	A	102	210	1.65	0.85	0.14	A	8	210	0.03	-0.30	-0.06	A				
24	MC	1732	312	0.00	0.01	0.01	A	1732	210	0.97	0.37	0.07	A	102	210	3.40	1.17	0.21	A	8	210	1.94	3.19	0.46	A				
25	MC	1732	312	4.05	0.64	0.12	A	1732	210	3.65	0.72	0.14	A	102	210	0.16	0.26	0.03	A	8	210	1.58	-2.69	-0.40	A				
26	MC	1732	312	3.37	0.56	0.10	A	1732	210	2.80	0.60	0.12	A	102	210	0.41	0.39	0.09	A	8	210	0.01	-0.14	-0.05	A				
27	MC	1823	288	5.09	-0.92	-0.15	A	1823	146	2.76	-0.95	-0.14	A	142	146	0.00	-0.03	0.01	A	39	146	0.61	0.99	0.14	A				
28	MC	1823	288	2.62	1.03	0.10	A	1823	146	1.63	1.11	0.14	A	142	146	0.00	0.06	0.01	A	39	146	2.88	-2.46	-0.31	A				
29	MC	1823	288	0.33	-0.30	-0.04	A	1823	146	0.01	-0.07	-0.02	A	142	146	0.23	0.47	0.05	A	39	146	0.62	1.45	0.14	A				
30	MC	1823	288	5.61	-0.73	-0.15	A	1823	146	2.40	-0.65	-0.13	A	142	146	0.07	0.15	0.04	A	39	146	0.31	0.50	0.11	A				
31	MC	1823	288	3.62	-0.62	-0.10	A	1823	146	0.07	0.12	0.06	A	142	146	7.15	1.67	0.31	C>	39	146	4.14	2.16	0.34	A				
32	MC	1823	288	1.11	-0.34	-0.08	A	1823	146	1.04	-0.45	-0.08	A	142	146	0.07	-0.16	-0.02	A	39	146	0.14	-0.34	-0.08	A				
33	MC	1823	288	0.04	-0.07	-0.01	A	1823	146	0.63	0.37	0.06	A	142	146	1.64	0.83	0.16	A	39	146	5.80	3.01	0.42	A				
34	MC	1823	288	0.93	-0.33	-0.06	A	1823	146	0.02	0.07	0.01	A	142	146	1.20	0.68	0.14	A	39	146	1.10	1.06	0.19	A				
35	MC	1823	288	2.27	-0.46	-0.08	A	1823	146	0.26	-0.21	-0.03	A	142	146	0.78	0.51	0.09	A	39	146	0.02	-0.12	-0.04	A				
36	MC	1823	288	5.32	0.88	0.18	A	1823	146	0.36	0.33	0.08	A	142	146	2.13	-1.09	-0.16	A	39	146	1.31	-1.29	-0.18	A				
37	MC	1823	288	0.47	0.22	0.04	A	1823	146	1.14	-0.45	-0.08	A	142	146	5.74	-1.50	-0.27	A	39	146	2.07	-1.45	-0.26	A				
38	MC	1823	288	0.20	-0.14	-0.02	A	1823	146	0.43	-0.28	-0.05	A	142	146	0.20	-0.26	-0.07	A	39	146	1.30	-0.99	-0.22	A				
39	MC	1823	288	0.11	0.11	0.04	A	1823	146	0.05	-0.10	0.00	A	142	146	0.34	-0.36	-0.07	A	39	146	2.60	-1.74	-0.29	A				
40	MC	1823	288	1.34	-0.37	-0.05	A	1823	146	0.15	-0.17	0.00	A	142	146	0.62	0.49	0.09	A	39	146	0.71	-0.79	-0.15	A				
41	MC	1823	288	0.08	0.09	0.02	A	1823	146	0.01	-0.05	0.01	A	142	146	0.24	-0.30	-0.05	A	39	146	0.40	-0.49	-0.13	A				
42	MC	1823	288	2.04	0.46	0.10	A	1823	146	0.62	0.34	0.08	A	142	146	0.14	-0.22	-0.04	A	39	146	0.68	0.78	0.13	A				
43	MC	1823	288	0.21	-0.15	-0.04	A	1823	146	0.06	0.11	0.01	A	142	146	0.60	0.47	0.10	A	39	146	0.52	-0.74	-0.11	A				
44	MC	1823	288	0.08	0.09	0.02	A	1823	146	0.55	0.34	0.08	A	142	146	0.82	0.55	0.12	A	39	146	0.00	-0.01	0.03	A				
45	MC	1823	288	0.45	-0.21	-0.05	A	1823	146	0.00	0.03	-0.01	A	142	146	0.51	0.42	0.09	A	39	146	0.35	0.51	0.10	A				
46	MC	1555	404	3.47	-0.60	-0.08	A	1555	268	6.58	-1.02	-0.15	A	136	268	3.83	-1.20	-0.23	A	10	268	0.56	1.47	0.28	A				
47	MC	1555	404	0.23	0.35	0.04	A	1555	268	0.00	-0.05	0.01	A	136	268	0.73	-1.15	-0.11	A	10	268	0.44		0.27					
48	MC	1555	404	2.18	0.47	0.08	A																						

**Table F.17: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage II**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish							Focal Group: Spanish Reference Group: English							Focal Group: Non-Spanish Reference Group: English							Focal Group: American Indian Reference Group: English						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
54	MC	1555	404	0.56	-0.20	-0.04	A		1555	268	0.62	-0.25	-0.05	A		136	268	0.06	-0.13	-0.02	A		10	268	1.90	-2.47	-0.43	A	
55	MC	1555	404	2.53	0.67	0.08	A		1555	268	2.99	0.88	0.12	A		136	268	0.60	0.60	0.09	A		10	268	0.38	1.24	0.27	A	
56	MC	1555	404	0.01	-0.03	0.01	A		1555	268	0.04	-0.07	0.00	A		136	268	0.14	-0.23	-0.04	A		10	268	0.01	0.13	0.03	A	
57	MC	1555	404	0.87	0.26	0.05	A		1555	268	3.94	0.67	0.11	A		136	268	4.63	1.19	0.22	A		10	268	2.48	2.59	0.46	A	
58	MC	1555	404	4.06	-0.56	-0.10	A		1555	268	3.13	-0.57	-0.11	A		136	268	0.03	-0.09	-0.03	A		10	268	0.05	-0.37	-0.08	A	
59	MC	1555	404	0.00	-0.01	0.01	A		1555	268	0.35	0.20	0.05	A		136	268	1.66	0.70	0.13	A		10	268	3.71	2.98	0.62	A	
60	MC	1555	404	0.00	0.00	-0.01	A		1555	268	0.14	0.13	0.02	A		136	268	0.57	0.40	0.11	A		10	268	0.09	-0.57	-0.07	A	
61	MC	1555	404	0.87	0.24	0.06	A		1555	268	1.37	0.37	0.09	A		136	268	0.26	0.26	0.07	A		10	268	0.19	0.67	0.14	A	
62	MC	1555	404	1.49	-0.34	-0.07	A		1555	268	1.69	-0.43	-0.09	A		136	268	0.51	-0.39	-0.06	A		10	268	0.66	1.34	0.23	A	
63	MC	1555	404	0.42	-0.17	-0.04	A		1555	268	0.31	-0.18	-0.04	A		136	268	0.00	0.00	0.00	A		10	268	1.06	-1.93	-0.32	A	
64	MC	1555	404	0.00	0.00	-0.01	A		1555	268	0.01	0.04	0.00	A		136	268	0.05	0.11	0.01	A		10	268	0.47	-1.31	-0.22	A	
65	MC	1758	320	2.06	-0.53	-0.09	A		1758	188	3.09	-0.82	-0.13	A		132	188	0.96	-0.67	-0.09	A		7	188	0.02	0.49	0.06	A	
66	MC	1758	320	0.09	-0.21	-0.01	A		1758	188	3.75	-2.55	-0.14	A		132	188	8.84	-4.02	-0.30	C<		7	188	5.47	-5.42	-0.91	A	
67	MC	1758	320	8.53	-0.99	-0.17	A		1758	188	5.42	-0.95	-0.16	A		132	188	0.02	0.10	0.02	A		7	188	0.47	2.22	0.23	A	
68	MC	1758	320	0.02	-0.04	-0.01	A		1758	188	1.20	-0.41	-0.07	A		132	188	2.18	-0.85	-0.15	A		7	188	1.07	2.38	0.39	A	
69	MC	1758	320	1.34	0.37	0.06	A		1758	188	0.20	0.18	0.03	A		132	188	0.25	-0.30	-0.07	A		7	188	0.29	0.89	0.21	A	
70	MC	1758	320	0.94	0.28	0.06	A		1758	188	0.42	0.24	0.06	A		132	188	0.01	-0.05	-0.02	A		7	188	0.02	-0.24	-0.05	A	
71	MC	1758	320	0.06	-0.09	-0.02	A		1758	188	1.16	-0.55	-0.08	A		132	188	2.06	-1.04	-0.14	A		7	188	0.01	0.32	0.02	A	
72	MC	1758	320	4.81	-0.71	-0.12	A		1758	188	3.70	-0.77	-0.12	A		132	188	0.03	-0.11	-0.01	A		7	188	0.97	2.65	0.34	A	
73	MC	1758	320	2.45	0.47	0.10	A		1758	188	1.59	0.48	0.10	A		132	188	0.01	-0.05	-0.02	A		7	188	0.10	-0.65	-0.12	A	
74	MC	1758	320	0.15	-0.13	-0.02	A		1758	188	0.82	-0.37	-0.05	A		132	188	0.84	-0.56	-0.10	A		7	188	0.41	1.51	0.24	A	
75	MC	1758	320	0.46	0.20	0.04	A		1758	188	2.69	0.59	0.13	A		132	188	3.48	1.02	0.23	A		7	188	0.26	-0.91	-0.19	A	
76	MC	1758	320	3.52	0.61	0.10	A		1758	188	0.45	0.26	0.05	A		132	188	1.29	-0.70	-0.10	A		7	188	4.31	6.25	0.75	A	
77	MC	1758	320	0.28	0.16	0.02	A		1758	188	0.17	0.16	0.03	A		132	188	0.01	0.06	0.02	A		7	188	0.21	0.91	0.17	A	
78	MC	1758	320	0.01	-0.03	-0.01	A		1758	188	0.73	0.37	0.05	A		132	188	2.49	0.94	0.15	A		7	188	0.03	-0.48	-0.06	A	
79	MC	1758	320	2.53	-0.47	-0.11	A		1758	188	0.14	-0.14	-0.03	A		132	188	2.46	0.89	0.19	A		7	188	5.26	5.96	0.89	A	
80	MC	1758	320	0.26	0.16	0.02	A		1758	188	0.40	0.25	0.04	A		132	188	0.28	0.32	0.06	A		7	188	0.95	2.44	0.35	A	
81	MC	1758	320	1.20	0.36	0.05	A		1758	188	0.78	0.36	0.06	A		132	188	0.01	0.04	0.01	A		7	188	0.30	1.04	0.20	A	
82	MC	1758	320	0.95	-0.29	-0.06	A		1758	188	0.77	-0.33	-0.06	A		132	188	0.03	-0.09	-0.01	A		7	188	0.01	0.15	0.03	A	
83	MC	1758	320	0.23	0.14	0.03	A		1758	188	0.88	0.36	0.07	A		132	188	0.99	0.54	0.10	A		7	188	1.87	2.80	0.51	A	
189	SA1	6868	1324	7.16	-0.39	-0.08	A		6868	812	7.72	-0.50	-0.10	A		512	812	1.07	-0.28	-0.06	A		64	812	0.48	0.45	0.09	A	
191	SA3	6868	1324	13.98		0.06	A		6868	812	20.37		0.13	A		512	812	18.31		0.16	A		64	812	3.98		0.15	A	
192	SA1	1732	312	0.67	-0.26	-0.05	A		1732	210	0.00	-0.01	-0.01	A		102	210	1.88	0.93	0.16	A		8	210	0.16	-0.71	-0.14	A	
193	SA1	1732	312	1.46	-0.38	-0.08	A		1732	210	0.67	-0.30	-0.05	A		102	210	0.33	0.37	0.08	A		8	210	0.06	-0.48	-0.09	A	
202	SA3	1732	312	14.52		-0.05	A		1732	210	7.41		-0.01	A		102	210	2.45		0.13	A		8	210	2.06		0.14	A	
203	SA3	1732	312	7.19		-0.12	A		1732	210	2.98		-0.10	A		102	210	1.25		0.08	A		8	210	0.30		0.14	A	
204	SA1	1823	288	8.57	-0.99	-0.17	A		1823	146	4.92	-1.03	-0.19	A		142	146	0.00	0.02	-0.01	A		39	146	1.52	1.46	0.23	A	
212	SA3	1823	288	1.39		0.05	A		1823	146	5.83		0.14	A		142	146	6.06		0.17	A		39	146	5.42		0.20	A	
213	SA3	1823	288	0.68		-0.01	A		1823	146	3.48		0.08	A		142	146	10.47		0.15	A		39	146	3.22		0.13	A	
214	SA3	1823	288	0.37		0.01	A		1823	146	3.61		0.12	A		142	146	9.30		0.23	A		39	146	10.07		0.32	A	
215	SA1	1555	404	9.94	-0.93	-0.16	A		1555	268	6.31	-0.88	-0.15	A		136	268	0.06	0.14	0.03	A		10	268	1.48	2.32	0.43	A	
216	SA1	1555	404	16.07	-1.17	-0.21	B<		1555	268	11.67	-1.18	-0.22	B<		136	268	0.05	-0.13	-0.05	A		10	268	1.25	2.14	0.39	A	
224	SA3	1555	404	8.89		-0.01	A		1555	268	7.68		0.00	A		136	268	0.98		0.02	A		10	268	8.32		0.36	A	
225	SA3	1555	404	1.02		0.01	A		1555	268	1.15		0.04	A		136	268	1.05		0.07	A		10	268	15.13		0.22	B>	
226	SA1	1758	320	0.03	-0.05	-0.01	A		1758	188	0.39	-0.23	-0.05	A		132	188	0.41	-0.35	-0.07	A		7	188	0.20	0.86	0.17	A	
234	SA3	1758	320	3.49		0.03	A		1758	188	5.02		0.06	A		132	188	4.45		0.06	A		7	188	6.31		-0.82	A	
235	SA3	1758	320	15.27		0.13	A		1758	188	7.57		0.13	A		132	188	1.68		0.00	A		7	188	3.01		-0.21	A	
236	SA3	1758	320	19.75		-0.19	B<		1758	188	7.09		-0.15	A		132	188	1.49		0.08	A		7	188	3.59		-0.20	A	

Note: MC=Multiple-choice Items, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.18: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Reading on Stage II**

Item	Item Type	Focal Group: ELL							Focal Group: FEP							Focal Group: FRL (ELL and Non-ELL)						
		Reference Group: Non-ELL							Reference Group: ELL							Reference Group: Non-FRL (ELL and Non-ELL)						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
1	MC	8192	2037	0.00	-0.01	0.01	A		215	8192	0.00	0.03	0.00	A		9003	1204	0.29	-0.16	-0.02	A	
2	MC	8192	2037	5.02	0.29	0.06	A		215	8192	10.01	1.76	0.18	C>		9003	1204	0.01	0.02	-0.01	A	
3	MC	8192	2037	2.01	0.17	0.05	A		215	8192	2.15	-0.50	-0.11	A		9003	1204	1.00	-0.15	-0.02	A	
4	MC	8192	2037	4.44	-0.25	-0.02	A		215	8192	8.80	1.05	0.21	B>		9003	1204	3.42	-0.27	-0.06	A	
5	MC	8192	2037	2.04	-0.19	-0.03	A		215	8192	11.74	1.80	0.19	C>		9003	1204	0.03	0.03	0.01	A	
6	MC	8192	2037	1.65	-0.16	-0.01	A		215	8192	22.07	1.68	0.34	C>		9003	1204	0.30	-0.09	-0.01	A	
7	MC	8192	2037	0.01	0.01	0.01	A		215	8192	8.71	1.37	0.17	B>		9003	1204	0.07	-0.04	0.01	A	
8	MC	2044	557	7.79	-0.75	-0.11	A		55	2044	2.74	1.89	0.17	A		2252	344	0.49	-0.22	-0.03	A	
9	MC	2044	557	0.54	-0.21	0.00	A		55	2044	0.65	0.85	0.09	A		2252	344	3.71	-0.68	-0.12	A	
10	MC	2044	557	0.46	0.35	0.05	A		55	2044	0.81		0.06			2252	344	1.44	-0.91	-0.07	A	
11	MC	2044	557	0.10	0.08	0.02	A		55	2044	1.40	0.87	0.16	A		2252	344	3.93	0.59	0.13	A	
12	MC	2044	557	1.21	0.30	0.06	A		55	2044	3.16	2.62	0.16	A		2252	344	0.88	-0.30	-0.04	A	
13	MC	2044	557	2.14	-0.39	-0.07	A		55	2044	0.33	0.52	0.07	A		2252	344	1.43	-0.39	-0.07	A	
14	MC	2044	557	0.10	0.09	0.01	A		55	2044	3.69	3.99	0.15	A		2252	344	5.48	-0.80	-0.15	A	
15	MC	2044	557	0.00	-0.02	0.00	A		55	2044	1.86	1.70	0.14	A		2252	344	0.85	-0.29	-0.05	A	
16	MC	2044	557	0.14	-0.10	-0.01	A		55	2044	0.92	1.14	0.09	A		2252	344	0.09	-0.10	-0.01	A	
17	MC	2044	557	9.22	-1.01	-0.13	B<		55	2044	1.78	1.87	0.14	A		2252	344	0.40	-0.24	-0.04	A	
18	MC	2044	557	7.76	-0.67	-0.13	A		55	2044	2.59	1.08	0.24	A		2252	344	4.76	-0.63	-0.11	A	
19	MC	2044	557	4.76	-0.56	-0.10	A		55	2044	5.01	2.55	0.25	A		2252	344	3.33	-0.56	-0.10	A	
20	MC	2044	557	0.16	0.10	0.06	A		55	2044	5.42	1.87	0.33	A		2252	344	1.75	-0.38	-0.05	A	
21	MC	2044	557	2.79	0.40	0.08	A		55	2044	2.27	1.23	0.20	A		2252	344	3.70	0.57	0.14	A	
22	MC	2044	557	3.81	-0.48	-0.09	A		55	2044	4.46	1.76	0.29	A		2252	344	6.54	-0.77	-0.11	A	
23	MC	2044	557	0.30	-0.14	-0.02	A		55	2044	7.10	3.53	0.28	C>		2252	344	0.91	-0.31	-0.02	A	
24	MC	2044	557	0.13	-0.09	0.00	A		55	2044	1.10	1.10	0.12	A		2252	344	0.00	0.02	0.03	A	
25	MC	2044	557	2.15	0.39	0.07	A		55	2044	1.98	1.87	0.12	A		2252	344	2.32	0.49	0.09	A	
26	MC	2044	557	0.77	-0.22	-0.02	A		55	2044	7.54	2.57	0.35	C>		2252	344	4.84	-0.67	-0.09	A	
27	MC	2111	470	14.42	-1.45	-0.18	B<		57	2111	0.03	-0.18	-0.02	A		2281	294	1.35	-0.46	-0.06	A	
28	MC	2111	470	0.08	-0.19	-0.02	A		57	2111	1.05		0.08			2281	294	0.48	-0.53	-0.04	A	
29	MC	2111	470	0.00	0.03	0.03	A		57	2111	2.53		0.13			2281	294	0.27	-0.26	-0.04	A	
30	MC	2111	470	1.66	-0.33	-0.06	A		57	2111	3.02	1.21	0.24	A		2281	294	0.60	0.23	0.04	A	
31	MC	2111	470	4.61	0.57	0.11	A		57	2111	0.63	0.67	0.09	A		2281	294	1.72	-0.42	-0.08	A	
32	MC	2111	470	1.47	0.31	0.05	A		57	2111	0.64	-0.55	-0.10	A		2281	294	0.43	0.20	0.05	A	
33	MC	2111	470	0.19	-0.13	-0.02	A		57	2111	0.99	1.19	0.08	A		2281	294	0.24	-0.17	-0.03	A	
34	MC	2111	470	0.11	-0.10	0.01	A		57	2111	0.25	0.47	0.04	A		2281	294	0.01	0.04	0.01	A	
35	MC	2111	470	0.65	-0.20	-0.03	A		57	2111	7.24	1.94	0.37	C>		2281	294	0.05	0.07	0.02	A	
36	MC	2111	470	1.08	0.34	0.06	A		57	2111	2.08	2.33	0.13	A		2281	294	0.04	0.07	0.01	A	
37	MC	2111	470	4.57	-0.55	-0.06	A		57	2111	2.02	0.96	0.21	A		2281	294	0.00	-0.01	0.01	A	
38	MC	2111	470	1.35	-0.31	-0.02	A		57	2111	2.49	1.08	0.21	A		2281	294	5.03	-0.70	-0.13	A	
39	MC	2111	470	4.02	-0.53	-0.06	A		57	2111	1.35	0.79	0.17	A		2281	294	0.05	-0.07	0.00	A	
40	MC	2111	470	1.27	-0.29	-0.04	A		57	2111	2.05	1.13	0.18	A		2281	294	0.11	-0.11	-0.02	A	
41	MC	2111	470	0.01	0.03	0.03	A		57	2111	5.21	1.99	0.28	A		2281	294	2.05	0.47	0.09	A	
42	MC	2111	470	0.00	0.01	0.01	A		57	2111	2.26	1.54	0.15	A		2281	294	1.32	0.36	0.06	A	
43	MC	2111	470	1.80	-0.35	-0.03	A		57	2111	3.63	1.25	0.28	A		2281	294	1.81	-0.43	-0.06	A	
44	MC	2111	470	1.23	0.30	0.08	A		57	2111	2.97	1.31	0.22	A		2281	294	1.43	0.39	0.07	A	
45	MC	2111	470	0.10	-0.08	0.02	A		57	2111	2.26	1.09	0.20	A		2281	294	3.93	0.64	0.13	A	
46	MC	1959	507	5.09	-0.74	-0.09	A		48	1959	1.22	1.61	0.12	A		2187	275	8.40	-1.23	-0.19	B<	
47	MC	1959	507	0.31	0.41	0.02	A		48	1959	4.43	-3.58	-0.19	A		2187	275	3.99	-3.17	-0.15	A	
48	MC	1959	507	0.42	-0.20	-0.03	A		48	1959	0.27	0.87	0.04	A		2187	275	0.06	-0.10	-0.01	A	
49	MC	1959	507	0.18	-0.11	-0.01	A		48	1959	1.12	0.89	0.15	A		2187	275	1.61	-0.42	-0.07	A	
50	MC	1959	507	7.96	0.74	0.13	A		48	1959	4.78	2.08	0.28	A		2187	275	3.36	0.57	0.07	A	
51	MC	1959	507	0.30	-0.18	-0.02	A		48	1959	0.38	1.34	0.05	A		2187	275	0.57	-0.34	-0.03	A	
52	MC	1959	507	8.81	-0.80	-0.12	A		48	1959	5.03	2.46	0.28	A		2187	275	0.62	-0.27	-0.03	A	



**Table F.18: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Reading on Stage II**

Item	Item Type	Focal Group: ELL							Focal Group: FEP							Focal Group: FRL (ELL and Non-ELL)						
		Reference Group: Non-ELL							Reference Group: ELL							Reference Group: Non-FRL (ELL and Non-ELL)						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
53	MC	1959	507	0.46	0.20	0.04	A		48	1959	4.28	4.12	0.18	A		2187	275	1.34	-0.45	-0.06	A	
54	MC	1959	507	4.30	-0.50	-0.08	A		48	1959	0.49	-0.50	-0.10	A		2187	275	0.00	-0.01	-0.01	A	
55	MC	1959	507	0.13	0.16	0.03	A		48	1959	1.26		0.08			2187	275	0.00	-0.01	0.01	A	
56	MC	1959	507	2.20	0.46	0.07	A		48	1959	1.50	2.20	0.10	A		2187	275	0.00	0.00	0.01	A	
57	MC	1959	507	0.19	-0.12	0.00	A		48	1959	4.86	2.73	0.27	A		2187	275	0.51	-0.25	-0.02	A	
58	MC	1959	507	0.48	0.18	0.06	A		48	1959	1.29	0.84	0.18	A		2187	275	1.44	0.39	0.07	A	
59	MC	1959	507	2.00	-0.36	-0.03	A		48	1959	1.17	0.80	0.17	A		2187	275	0.02	0.05	0.03	A	
60	MC	1959	507	0.41	-0.16	-0.04	A		48	1959	4.22	1.78	0.29	A		2187	275	0.25	0.16	0.02	A	
61	MC	1959	507	0.09	-0.07	0.01	A		48	1959	0.61	-0.56	-0.11	A		2187	275	0.68	-0.25	-0.05	A	
62	MC	1959	507	0.27	-0.14	0.02	A		48	1959	3.40	1.45	0.28	A		2187	275	0.69	0.29	0.09	A	
63	MC	1959	507	0.50	-0.18	0.02	A		48	1959	11.96	3.01	0.52	C>		2187	275	0.53	-0.23	-0.05	A	
64	MC	1959	507	2.06	0.36	0.09	A		48	1959	2.47	1.18	0.24	A		2187	275	2.17	0.47	0.09	A	
65	MC	2078	503	8.43	-1.01	-0.14	B<		55	2078	0.04	0.23	0.02	A		2283	291	0.33	-0.25	0.01	A	
66	MC	2078	503	0.11	-0.22	-0.01	A		55	2078	0.05	-0.54	-0.02	A		2283	291	1.12	0.79	0.09	A	
67	MC	2078	503	1.56	-0.38	-0.05	A		55	2078	1.23	1.97	0.08	A		2283	291	0.13	0.13	0.00	A	
68	MC	2078	503	0.27	0.13	0.02	A		55	2078	0.52	0.54	0.09	A		2283	291	6.53	0.81	0.15	A	
69	MC	2078	503	0.00	-0.01	0.02	A		55	2078	6.11	1.67	0.37	A		2283	291	19.96	1.56	0.25	C>	
70	MC	2078	503	1.97	-0.36	-0.04	A		55	2078	0.20	-0.31	-0.06	A		2283	291	1.28	0.35	0.06	A	
71	MC	2078	503	2.76	-0.62	-0.07	A		55	2078	2.96		0.12			2283	291	1.16	0.46	0.07	A	
72	MC	2078	503	1.23	-0.32	-0.06	A		55	2078	0.96	1.18	0.08	A		2283	291	0.10	-0.11	-0.02	A	
73	MC	2078	503	0.27	0.13	0.01	A		55	2078	1.20	-0.74	-0.14	A		2283	291	0.43	0.20	0.01	A	
74	MC	2078	503	7.48	-0.85	-0.12	A		55	2078	0.42	0.69	0.07	A		2283	291	2.70	0.58	0.11	A	
75	MC	2078	503	0.53	-0.18	-0.04	A		55	2078	0.02	0.11	0.02	A		2283	291	0.02	0.05	0.00	A	
76	MC	2078	503	5.29	-0.64	-0.09	A		55	2078	7.62	3.75	0.30	C>		2283	291	5.77	0.84	0.13	A	
77	MC	2078	503	3.29	-0.47	-0.07	A		55	2078	9.02	2.98	0.38	C>		2283	291	1.56	-0.40	-0.07	A	
78	MC	2078	503	4.02	-0.56	-0.05	A		55	2078	4.98	2.02	0.28	A		2283	291	1.02	0.34	0.06	A	
79	MC	2078	503	11.53	-0.85	-0.13	A		55	2078	5.65	1.68	0.34	A		2283	291	0.12	-0.11	-0.01	A	
80	MC	2078	503	0.21	-0.13	-0.01	A		55	2078	1.37	1.42	0.11	A		2283	291	0.48	-0.25	-0.06	A	
81	MC	2078	503	0.41	-0.17	-0.02	A		55	2078	2.93	1.64	0.20	A		2283	291	7.48	0.93	0.15	A	
82	MC	2078	503	6.08	-0.64	-0.10	A		55	2078	1.36	0.92	0.15	A		2283	291	1.12	-0.33	-0.07	A	
83	MC	2078	503	1.74	-0.33	-0.03	A		55	2078	3.79	1.55	0.26	A		2283	291	2.03	0.44	0.07	A	
189	SA1	8192	2037	0.78	-0.11	0.00	A		215	8192	2.36	0.58	0.11	A		9003	1204	3.45	-0.28	-0.05	A	
191	SA3	8192	2037	4.82		0.02	A		215	8192	34.72		0.29	C>		9003	1204	6.48		0.00	A	
192	SA1	2044	557	0.18	-0.11	-0.01	A		55	2044	0.02	0.12	0.02	A		2252	344	1.58	-0.40	-0.06	A	
193	SA1	2044	557	0.41	0.16	0.04	A		55	2044	0.04	0.18	0.03	A		2252	344	0.44	-0.20	-0.04	A	
202	SA3	2044	557	8.96		-0.01	A		55	2044	9.23		0.38	A		2252	344	24.72		-0.13	A	
203	SA3	2044	557	16.23		-0.09	A		55	2044	16.76		0.61	C>		2252	344	19.69		-0.17	A	
204	SA1	2111	470	0.00	0.01	0.00	A		57	2111	4.03	-1.38	-0.24	A		2281	294	5.17	-0.74	-0.14	A	
212	SA3	2111	470	0.73		0.00	A		57	2111	7.41		0.24	A		2281	294	2.19		-0.06	A	
213	SA3	2111	470	10.70		0.01	A		57	2111	13.93		0.35	C>		2281	294	5.28		0.01	A	
214	SA3	2111	470	2.58		0.03	A		57	2111	5.25		0.26	A		2281	294	5.33		-0.05	A	
215	SA1	1959	507	2.49	-0.42	-0.09	A		48	1959	0.27	0.48	0.07	A		2187	275	1.05	-0.35	-0.08	A	
216	SA1	1959	507	0.19	-0.12	-0.01	A		48	1959	0.05	0.19	0.03	A		2187	275	0.51	-0.24	-0.04	A	
224	SA3	1959	507	9.17		0.03	A		48	1959	17.74		0.49	C>		2187	275	3.69		-0.06	A	
225	SA3	1959	507	11.16		0.03	A		48	1959	39.97		0.88	C>		2187	275	0.88		-0.03	A	
226	SA1	2078	503	0.00	0.01	0.03	A		55	2078	8.11	2.65	0.37	C>		2283	291	0.29	-0.16	-0.06	A	
234	SA3	2078	503	8.96		-0.10	A		55	2078	28.28		0.64	C>		2283	291	0.43		-0.04	A	
235	SA3	2078	503	7.19		-0.03	A		55	2078	9.90		-0.02	A		2283	291	9.68		-0.11	A	
236	SA3	2078	503	22.33		-0.09	A		55	2078	19.92		0.55	C>		2283	291	3.56		-0.07	A	

Note: MC=Multiple-choice Items, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.19: DIF Statistics based on ELL Students for Items in Writing on Stage II**

Item	Item Type	Focal Group: Female Reference Group: Male							Focal Group: Hispanic Reference Group: Non-Hispanic							Focal Group: American Indian Reference Group: Non-American Indian							Focal Group: Special Education Reference Group: Non-Special Education						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
84	MC	3802	4390	6.37	0.27	0.06	A		7240	952	0.02	0.03	0.01	A		416	7776	1.49	-0.29	-0.06	A		780	7412	1.59	0.23	0.05	A	
85	MC	3802	4390	0.58	-0.08	-0.02	A		7240	952	4.37	-0.35	-0.06	A		416	7776	2.41	0.38	0.08	A		780	7412	0.05	-0.04	-0.01	A	
86	MC	944	1100	0.77	0.21	0.04	A		1821	223	0.13	-0.15	-0.02	A		61	1983	1.52	0.94	0.14	A		208	1836	1.12	0.41	0.07	A	
87	MC	944	1100	0.00	0.00	0.00	A		1821	223	1.47	-0.44	-0.04	A		61	1983	2.90	1.08	0.22	A		208	1836	0.03	0.07	0.01	A	
88	MC	944	1100	0.70	-0.19	-0.04	A		1821	223	0.21	0.17	0.04	A		61	1983	0.03	0.11	0.02	A		208	1836	1.39	-0.46	-0.08	A	
89	MC	944	1100	0.06	-0.05	-0.01	A		1821	223	0.02	-0.05	0.02	A		61	1983	0.93	-0.61	-0.12	A		208	1836	4.17	-0.77	-0.14	A	
90	MC	944	1100	0.00	-0.01	0.00	A		1821	223	0.83	0.33	0.05	A		61	1983	0.22	0.32	0.06	A		208	1836	10.14	-1.17	-0.22	B<	
91	MC	944	1100	12.74	0.80	0.15	A		1821	223	0.64	-0.30	-0.04	A		61	1983	0.84	-0.60	-0.11	A		208	1836	0.14	0.14	0.02	A	
92	MC	944	1100	0.97	0.24	0.04	A		1821	223	0.60	0.31	0.05	A		61	1983	0.49	0.57	0.08	A		208	1836	0.94	0.38	0.07	A	
93	MC	944	1100	0.00	0.00	0.00	A		1821	223	0.41	0.25	0.05	A		61	1983	0.13	0.24	0.05	A		208	1836	1.84	-0.54	-0.10	A	
94	MC	944	1100	0.12	-0.08	-0.01	A		1821	223	0.44	0.25	0.04	A		61	1983	0.75	-0.59	-0.10	A		208	1836	1.05	-0.40	-0.07	A	
95	MC	944	1100	0.31	0.12	0.02	A		1821	223	0.34	-0.20	-0.03	A		61	1983	0.44	-0.42	-0.08	A		208	1836	0.02	-0.05	-0.01	A	
96	MC	966	1145	2.46	-0.34	-0.07	A		1842	269	0.41	-0.21	-0.07	A		112	1999	0.81	0.43	0.08	A		209	1902	1.12	0.38	0.07	A	
97	MC	966	1145	1.27	0.24	0.05	A		1842	269	1.41	-0.37	-0.07	A		112	1999	7.48	1.29	0.26	B>		209	1902	1.76	0.47	0.10	A	
98	MC	966	1145	0.38	-0.14	-0.03	A		1842	269	0.78	-0.29	-0.04	A		112	1999	0.88	-0.48	-0.09	A		209	1902	1.20	0.40	0.08	A	
99	MC	966	1145	1.52	0.27	0.05	A		1842	269	0.20	0.14	0.00	A		112	1999	0.95	0.45	0.09	A		209	1902	6.06	-0.97	-0.17	A	
100	MC	966	1145	0.13	-0.08	-0.01	A		1842	269	0.56	0.24	0.06	A		112	1999	0.07	0.13	0.02	A		209	1902	5.57	-0.86	-0.17	A	
101	MC	966	1145	9.07	0.79	0.12	A		1842	269	4.76	-0.96	-0.13	A		112	1999	1.39	0.67	0.11	A		209	1902	8.20	-1.11	-0.21	B<	
102	MC	966	1145	2.02	0.35	0.06	A		1842	269	1.75	-0.52	-0.07	A		112	1999	1.12	-0.57	-0.10	A		209	1902	0.77	0.36	0.06	A	
103	MC	966	1145	3.58	0.45	0.08	A		1842	269	0.90	0.34	0.06	A		112	1999	0.36	-0.32	-0.05	A		209	1902	0.88	-0.37	-0.06	A	
104	MC	966	1145	0.04	-0.04	0.00	A		1842	269	2.35	-0.50	-0.12	A		112	1999	2.11	0.74	0.13	A		209	1902	0.01	0.04	0.01	A	
105	MC	966	1145	0.34	0.12	0.02	A		1842	269	1.48	-0.39	-0.07	A		112	1999	2.16	-0.75	-0.14	A		209	1902	0.15	0.14	0.02	A	
106	MC	903	1056	0.07	-0.06	-0.01	A		1731	228	0.83	-0.32	-0.09	A		96	1863	0.29	0.28	0.05	A		185	1774	10.74	1.33	0.25	B>	
107	MC	903	1056	3.71	0.43	0.09	A		1731	228	1.09	-0.37	-0.07	A		96	1863	0.16	-0.20	-0.04	A		185	1774	2.29	0.58	0.11	A	
108	MC	903	1056	0.00	-0.01	0.00	A		1731	228	0.61	-0.28	-0.03	A		96	1863	1.55	-0.65	-0.12	A		185	1774	0.02	-0.06	-0.01	A	
109	MC	903	1056	3.19	0.44	0.07	A		1731	228	0.56	-0.30	-0.07	A		96	1863	0.00	-0.03	-0.01	A		185	1774	4.22	0.90	0.15	A	
110	MC	903	1056	0.07	-0.06	-0.01	A		1731	228	0.43	0.25	0.03	A		96	1863	1.75	-0.71	-0.13	A		185	1774	0.12	-0.14	-0.03	A	
111	MC	903	1056	0.75	-0.20	-0.04	A		1731	228	6.54	0.94	0.16	A		96	1863	0.36	0.30	0.06	A		185	1774	0.02	-0.05	-0.01	A	
112	MC	903	1056	0.13	-0.09	-0.02	A		1731	228	1.60	0.52	0.06	A		96	1863	0.03	-0.11	-0.02	A		185	1774	0.53	0.30	0.06	A	
113	MC	903	1056	1.07	0.25	0.04	A		1731	228	0.32	0.22	0.06	A		96	1863	0.71	-0.50	-0.08	A		185	1774	0.37	-0.25	-0.04	A	
114	MC	903	1056	0.64	0.18	0.03	A		1731	228	6.05	0.87	0.16	A		96	1863	0.33	-0.30	-0.06	A		185	1774	3.20	-0.68	-0.13	A	
115	MC	903	1056	0.01	-0.03	-0.01	A		1731	228	0.58	-0.27	-0.02	A		96	1863	0.34	-0.30	-0.06	A		185	1774	0.00	0.02	0.00	A	
116	MC	989	1089	0.00	0.01	0.00	A		1846	232	0.02	0.06	0.01	A		147	1931	7.96	1.48	0.22	B>		178	1900	0.44	0.28	0.05	A	
117	MC	989	1089	3.41	0.40	0.08	A		1846	232	1.40	-0.41	-0.08	A		147	1931	5.40	-0.97	-0.19	A		178	1900	0.77	-0.35	-0.07	A	
118	MC	989	1089	2.32	0.32	0.06	A		1846	232	0.45	-0.23	-0.05	A		147	1931	0.45	-0.28	-0.06	A		178	1900	1.80	-0.52	-0.11	A	
119	MC	989	1089	0.00	-0.01	-0.01	A		1846	232	0.07	0.09	0.01	A		147	1931	0.00	0.02	0.00	A		178	1900	0.20	-0.18	-0.04	A	
120	MC	989	1089	1.27	0.26	0.05	A		1846	232	0.58	-0.28	-0.05	A		147	1931	2.95	0.82	0.13	A		178	1900	2.40	0.64	0.11	A	
121	MC	989	1089	2.11	0.32	0.06	A		1846	232	1.49	-0.44	-0.09	A		147	1931	0.83	0.41	0.07	A		178	1900	7.70	-1.04	-0.21	B<	
122	MC	989	1089	1.48	0.29	0.05	A		1846	232	1.77	-0.52	-0.08	A		147	1931	10.79	1.66	0.26	C>		178	1900	0.30	-0.22	-0.04	A	
123	MC	989	1089	1.70	0.32	0.06	A		1846	232	4.93	-0.92	-0.16	A		147	1931	1.84	0.71	0.11	A		178	1900	3.77	-0.76	-0.15	A	
124	MC	989	1089	4.03	0.46	0.08	A		1846	232	0.02	-0.05	-0.02	A		147	1931	0.20	0.21	0.03	A		178	1900	0.00	0.00	0.00	A	
125	MC	989	1089	1.19	-0.25	-0.05	A		1846	232	0.94	-0.34	-0.07	A		147	1931	7.56	1.17	0.22	B>		178	1900	1.24	-0.49	-0.08	A	
126	ER	3802	4390	93.01		0.16	A		7240	952	2.44		-0.02	A		416	7776	4.41		-0.02	A		780	7412	14.89		-0.11	A	
127	ER	944	1100	48.20		0.21	B>		1821	223	4.76		0.04	A		61	1983	4.31		0.11	A		208	1836	19.17		-0.18	B<	
128	ER	944	1100	24.52		0.14	A		1821	223	14.79		-0.06	A		61	1983	4.02		0.02	A		208	1836	12.67		-0.12	A	
129	ER	966	1145	43.54		0.22	B>		1842	269	8.15		-0.02	A		112	1999	16.43		-0.08	A		209	1902	11.25		-0.19	A	
130	ER	966	1145	27.49		0.18	B>		1842	269	6.43		0.08	A		112	1999	8.05		-0.07	A		209	1902	12.64		-0.15	A	
131	ER	903	1056	27.75		0.18	B>		1731	228	3.28		0.10	A		96	1863	7.68		-0.20	A		185	1774	7.94		-0.13	A	
132	ER	903	1056	26.16		0.18	B>		1731	228	9.91		0.13	A		96	1863	8.31		-0.14	A		185	1774	5.70		-0.15	A	
133	ER	989	1089	37.37		0.17	B>		1846	232	3.22		0.04	A		147	1931	26.25		0.17	A		178	1900	3.30		-0.10	A	

**Table F.19: DIF Statistics based on ELL Students for Items in Writing on Stage II**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
134	ER	989	1089	36.06		0.19	B>	1846	232	4.19		-0.02	A	147	1931	16.44		0.02	A	178	1900	10.80		-0.14	A

Note: MC=Multiple-choice Items, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group,

MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group,

Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.20: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage II**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish							Focal Group: Spanish Reference Group: English							Focal Group: Non-Spanish Reference Group: English							Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag			
84	MC	6868	1324	0.12	0.05	0.01	A	6868	812	1.68	0.23	0.05	A	512	812	2.96	0.47	0.09	A	64	812	0.56	0.50	0.09	A			
85	MC	6868	1324	5.10	-0.33	-0.07	A	6868	812	1.29	-0.20	-0.04	A	512	812	1.48	0.34	0.07	A	64	812	0.43	-0.42	-0.08	A			
86	MC	1732	312	1.49	0.41	0.07	A	1732	210	1.69	0.50	0.09	A	102	210	0.14	0.27	0.06	A	8	210	2.77	4.80	0.53	A			
87	MC	1732	312	1.50	-0.39	-0.07	A	1732	210	0.15	-0.15	-0.03	A	102	210	0.93	0.60	0.13	A	8	210	6.75	4.36	0.93	C>			
88	MC	1732	312	0.01	-0.03	0.00	A	1732	210	0.01	0.04	0.00	A	102	210	0.00	0.04	0.01	A	8	210	0.30	-1.23	-0.19	A			
89	MC	1732	312	1.91	-0.43	-0.07	A	1732	210	2.66	-0.60	-0.11	A	102	210	1.31	-0.73	-0.15	A	8	210	0.38	-1.05	-0.21	A			
90	MC	1732	312	1.73	0.41	0.08	A	1732	210	0.47	0.25	0.06	A	102	210	0.54	-0.46	-0.09	A	8	210	0.09	-0.50	-0.10	A			
91	MC	1732	312	0.08	-0.09	-0.01	A	1732	210	0.07	-0.10	-0.02	A	102	210	0.04	-0.13	-0.02	A	8	210	1.93	-2.54	-0.45	A			
92	MC	1732	312	4.10	0.67	0.11	A	1732	210	5.56	0.89	0.16	A	102	210	1.83	0.93	0.16	A	8	210	2.88	4.02	0.55	A			
93	MC	1732	312	1.07	0.34	0.06	A	1732	210	1.16	0.42	0.08	A	102	210	0.19	0.29	0.07	A	8	210	0.58	-1.81	-0.26	A			
94	MC	1732	312	1.53	0.40	0.07	A	1732	210	1.45	0.45	0.09	A	102	210	0.26	0.34	0.09	A	8	210	2.82	3.76	0.56	A			
95	MC	1732	312	0.51	0.22	0.05	A	1732	210	1.85	0.51	0.09	A	102	210	1.48	0.73	0.12	A	8	210	1.81	2.85	0.46	A			
96	MC	1823	288	1.96	-0.43	-0.10	A	1823	146	0.33	-0.24	-0.04	A	142	146	0.34	0.34	0.09	A	39	146	0.08	0.25	0.04	A			
97	MC	1823	288	2.59	-0.48	-0.11	A	1823	146	0.18	-0.18	-0.03	A	142	146	1.01	0.56	0.15	A	39	146	0.26	0.45	0.08	A			
98	MC	1823	288	4.01	-0.63	-0.12	A	1823	146	2.42	-0.66	-0.15	A	142	146	0.05	-0.13	-0.03	A	39	146	1.48	-1.16	-0.24	A			
99	MC	1823	288	1.36	0.37	0.06	A	1823	146	0.39	0.27	0.05	A	142	146	0.25	-0.29	-0.03	A	39	146	0.08	-0.23	-0.04	A			
100	MC	1823	288	0.56	0.24	0.05	A	1823	146	0.01	0.04	0.01	A	142	146	0.40	-0.37	-0.07	A	39	146	3.70	-1.86	-0.32	A			
101	MC	1823	288	1.51	-0.49	-0.07	A	1823	146	0.04	-0.11	-0.01	A	142	146	1.12	0.82	0.11	A	39	146	0.00	-0.06	-0.01	A			
102	MC	1823	288	0.10	-0.12	-0.02	A	1823	146	0.26	-0.25	-0.03	A	142	146	0.16	-0.26	-0.02	A	39	146	0.33	-0.59	-0.06	A			
103	MC	1823	288	0.03	-0.06	-0.01	A	1823	146	1.79	-0.68	-0.09	A	142	146	3.03	-1.14	-0.18	A	39	146	2.37	-1.73	-0.23	A			
104	MC	1823	288	0.65	-0.26	-0.05	A	1823	146	0.61	-0.35	-0.07	A	142	146	0.15	-0.23	-0.05	A	39	146	1.26	-0.93	-0.22	A			
105	MC	1823	288	0.25	-0.16	-0.03	A	1823	146	0.08	0.12	0.02	A	142	146	1.21	0.64	0.10	A	39	146	4.08	1.77	0.35	A			
106	MC	1555	404	1.25	-0.31	-0.05	A	1555	268	0.05	-0.08	-0.01	A	136	268	1.04	0.54	0.10	A	10	268	1.24	1.96	0.38	A			
107	MC	1555	404	0.89	0.26	0.04	A	1555	268	1.56	0.40	0.07	A	136	268	0.99	0.52	0.09	A	10	268	0.06	-0.40	-0.06	A			
108	MC	1555	404	0.06	0.07	0.01	A	1555	268	0.92	0.31	0.05	A	136	268	2.39	0.84	0.14	A	10	268	0.58	-1.42	-0.22	A			
109	MC	1555	404	0.01	0.03	0.02	A	1555	268	0.47	0.26	0.06	A	136	268	0.98	0.57	0.11	A	10	268	0.12	-0.60	-0.14	A			
110	MC	1555	404	0.06	0.07	0.01	A	1555	268	0.09	0.11	0.02	A	136	268	0.10	0.17	0.03	A	10	268	0.16	0.69	0.11	A			
111	MC	1555	404	3.72	0.53	0.09	A	1555	268	0.84	0.29	0.04	A	136	268	2.12	-0.79	-0.14	A	10	268	0.41	-1.18	-0.18	A			
112	MC	1555	404	1.01	0.32	0.06	A	1555	268	0.50	0.27	0.05	A	136	268	0.10	-0.19	-0.02	A	10	268	0.65	-1.59	-0.29	A			
113	MC	1555	404	1.03	-0.30	-0.05	A	1555	268	0.71	-0.29	-0.05	A	136	268	0.05	-0.12	-0.03	A	10	268	0.40	-1.14	-0.23	A			
114	MC	1555	404	11.46	0.94	0.18	A	1555	268	4.45	0.70	0.15	A	136	268	1.91	-0.73	-0.12	A	10	268	1.72	-3.03	-0.38	A			
115	MC	1555	404	0.41	-0.18	-0.04	A	1555	268	0.13	0.12	0.02	A	136	268	2.53	0.85	0.18	A	10	268	0.04	0.33	0.07	A			
116	MC	1758	320	0.06	-0.08	-0.01	A	1758	188	2.53	-0.70	-0.11	A	132	188	5.90	-1.62	-0.22	A	7	188	0.16	0.85	0.12	A			
117	MC	1758	320	1.30	-0.34	-0.07	A	1758	188	1.19	-0.40	-0.07	A	132	188	0.05	-0.13	-0.02	A	7	188	0.88	2.00	0.37	A			
118	MC	1758	320	0.54	-0.21	-0.04	A	1758	188	0.02	-0.05	0.00	A	132	188	0.67	0.44	0.09	A	7	188	1.57	-2.35	-0.49	A			
119	MC	1758	320	0.00	0.00	0.00	A	1758	188	0.04	0.07	0.02	A	132	188	0.05	0.13	0.02	A	7	188	2.83	-4.48	-0.64	A			
120	MC	1758	320	0.13	-0.11	-0.02	A	1758	188	0.59	0.30	0.07	A	132	188	3.05	1.02	0.19	A	7	188	0.21	1.08	0.17	A			
121	MC	1758	320	0.94	-0.30	-0.06	A	1758	188	0.70	-0.33	-0.07	A	132	188	0.05	-0.14	-0.03	A	7	188	0.77	1.89	0.30	A			
122	MC	1758	320	1.95	-0.46	-0.07	A	1758	188	1.15	-0.43	-0.07	A	132	188	0.01	0.06	0.02	A	7	188	2.87		0.58				
123	MC	1758	320	0.16	-0.14	-0.03	A	1758	188	0.49	0.29	0.05	A	132	188	3.21	1.19	0.19	A	7	188	0.57	2.54	0.26	A			
124	MC	1758	320	0.95	0.31	0.06	A	1758	188	0.86	0.38	0.06	A	132	188	0.03	0.10	0.00	A	7	188	0.18	-0.75	-0.15	A			
125	MC	1758	320	0.11	-0.10	-0.02	A	1758	188	1.12	-0.42	-0.07	A	132	188	1.20	-0.65	-0.13	A	7	188	0.47	1.37	0.26	A			
126	ER	6868	1324	7.08		0.06	A	6868	812	8.93		0.09	A	512	812	7.14		0.07	A	64	812	13.58		0.32	A			
127	ER	1732	312	17.11		0.20	B>	1732	210	19.04		0.26	C>	102	210	4.25		0.19	A	8	210	2.23		0.19	A			
128	ER	1732	312	28.23		0.15	A	1732	210	17.57		0.22	B>	102	210	6.89		0.23	A	8	210	1.49		-0.01	A			
129	ER	1823	288	1.59		0.04	A	1823	146	4.27		0.05	A	142	146	3.91		0.02	A	39	146	4.62		0.16	A			
130	ER	1823	288	2.27		0.06	A	1823	146	1.35		0.03	A	142	146	3.42		-0.08	A	39	146	2.34		0.13	A			
131	ER	1555	404	5.30		0.06	A	1555	268	11.78		0.03	A	136	268	11.34		-0.11	A	10	268	15.01		-0.47	A			
132	ER	1555	404	14.10		0.16	A	1555	268	11.14		0.14	A	136	268	6.09		-0.10	A	10	268			-0.25	C<			
133	ER	1758	320	6.82		0.07	A	1758	188	3.98		0.04	A	132	188	0.68		-0.06	A	7	188	8.39		-0.25	A			

**Table F.20: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage II**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
134	ER	1758	320	5.11		0.02	A	1758	188	1.42		0.06	A	132	188	4.71		0.09	A	7	188	1.87		0.02	A

Note: MC=Multiple-choice Items, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group,

MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group,

Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.21: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Writing on Stage II**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL							Focal Group: FEP Reference Group: ELL							Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)						
		NF	NR	MH <sub>2</sub> <sup>2</sup>	ΔMH	SMD	Flag		NF	NR	MH <sub>2</sub> <sup>2</sup>	ΔMH	SMD	Flag		NF	NR	MH <sub>2</sub> <sup>2</sup>	ΔMH	SMD	Flag	
84	MC	8192	2037	1.03	-0.13	-0.01	A		215	8192	14.85	1.57	0.26	C>		9003	1204	3.99	-0.30	-0.05	A	
85	MC	8192	2037	1.72	-0.16	-0.02	A		215	8192	10.20	1.16	0.23	B>		9003	1204	7.37	-0.41	-0.08	A	
86	MC	2044	557	2.44	0.42	0.08	A		55	2044	0.79	1.11	0.08	A		2252	344	6.97	-0.89	-0.15	A	
87	MC	2044	557	4.38	-0.52	-0.06	A		55	2044	8.89	2.05	0.46	C>		2252	344	3.05	-0.53	-0.05	A	
88	MC	2044	557	8.27	-0.69	-0.10	A		55	2044	8.91	2.05	0.45	C>		2252	344	2.83	-0.49	-0.08	A	
89	MC	2044	557	6.92	-0.63	-0.10	A		55	2044	3.53	1.39	0.27	A		2252	344	4.04	-0.58	-0.09	A	
90	MC	2044	557	0.01	0.02	0.02	A		55	2044	0.99	0.97	0.11	A		2252	344	0.00	-0.01	0.01	A	
91	MC	2044	557	3.14	0.46	0.09	A		55	2044	4.05	2.60	0.21	A		2252	344	1.28	-0.36	-0.05	A	
92	MC	2044	557	0.57	0.22	0.04	A		55	2044	0.73	1.65	0.06	A		2252	344	0.52	0.26	0.06	A	
93	MC	2044	557	4.77	-0.54	-0.06	A		55	2044	1.29	0.83	0.15	A		2252	344	1.11	-0.31	-0.04	A	
94	MC	2044	557	0.83	0.25	0.05	A		55	2044	3.52	2.52	0.19	A		2252	344	0.71	-0.28	-0.04	A	
95	MC	2044	557	0.46	-0.17	0.02	A		55	2044	1.14	0.76	0.15	A		2252	344	3.65	-0.56	-0.09	A	
96	MC	2111	470	0.02	-0.03	0.02	A		57	2111	2.12	0.99	0.21	A		2281	294	0.48	-0.21	-0.04	A	
97	MC	2111	470	0.00	0.01	0.01	A		57	2111	0.62	0.51	0.11	A		2281	294	0.01	0.04	0.01	A	
98	MC	2111	470	0.02	0.04	0.04	A		57	2111	0.04	-0.14	-0.03	A		2281	294	3.19	-0.55	-0.12	A	
99	MC	2111	470	4.23	0.53	0.11	A		57	2111	0.25	0.33	0.07	A		2281	294	0.06	-0.07	-0.02	A	
100	MC	2111	470	3.77	-0.49	-0.09	A		57	2111	0.69	0.58	0.11	A		2281	294	0.06	-0.08	-0.01	A	
101	MC	2111	470	0.86	0.29	0.05	A		57	2111	4.03		0.13			2281	294	0.20	0.17	0.02	A	
102	MC	2111	470	0.69	0.26	0.06	A		57	2111	3.90	5.56	0.15	A		2281	294	0.50	-0.25	-0.04	A	
103	MC	2111	470	0.00	-0.01	0.01	A		57	2111	6.17	3.06	0.24	A		2281	294	0.08	0.10	0.02	A	
104	MC	2111	470	0.85	-0.25	-0.02	A		57	2111	5.21	1.83	0.29	A		2281	294	1.20	-0.37	-0.05	A	
105	MC	2111	470	0.14	-0.10	0.02	A		57	2111	0.00	-0.03	-0.01	A		2281	294	0.01	0.02	0.02	A	
106	MC	1959	507	5.80	0.61	0.14	A		48	1959	1.11	1.02	0.13	A		2187	275	0.16	-0.13	-0.01	A	
107	MC	1959	507	0.52	-0.19	0.00	A		48	1959	5.64	2.33	0.33	A		2187	275	0.11	-0.11	-0.03	A	
108	MC	1959	507	1.12	-0.27	-0.01	A		48	1959	3.43	1.58	0.27	A		2187	275	0.62	-0.25	-0.04	A	
109	MC	1959	507	0.00	0.01	0.01	A		48	1959	2.68	2.83	0.16	A		2187	275	1.30	-0.45	-0.06	A	
110	MC	1959	507	0.04	0.05	0.03	A		48	1959	2.41	2.15	0.18	A		2187	275	0.00	0.01	0.02	A	
111	MC	1959	507	0.18	-0.11	0.00	A		48	1959	1.15	0.89	0.16	A		2187	275	0.00	0.00	0.03	A	
112	MC	1959	507	5.53	0.75	0.14	A		48	1959	1.11	2.19	0.09	A		2187	275	0.03	-0.07	-0.01	A	
113	MC	1959	507	0.92	0.28	0.06	A		48	1959	3.20	2.86	0.18	A		2187	275	0.09	0.11	0.03	A	
114	MC	1959	507	1.94	-0.36	-0.03	A		48	1959	6.66	2.77	0.35	C>		2187	275	0.74	0.28	0.06	A	
115	MC	1959	507	0.08	-0.08	0.02	A		48	1959	3.13	1.77	0.23	A		2187	275	3.79	0.65	0.16	A	
116	MC	2078	503	0.86	-0.31	-0.03	A		55	2078	3.10		0.11			2283	291	3.26	-0.74	-0.13	A	
117	MC	2078	503	1.81	-0.33	-0.07	A		55	2078	5.72	1.94	0.31	A		2283	291	4.50	-0.66	-0.13	A	
118	MC	2078	503	0.08	-0.07	0.00	A		55	2078	2.80	1.28	0.22	A		2283	291	2.58	-0.51	-0.06	A	
119	MC	2078	503	0.16	0.10	0.03	A		55	2078	6.07	1.83	0.35	A		2283	291	0.01	-0.03	-0.02	A	
120	MC	2078	503	0.10	0.08	-0.01	A		55	2078	0.23	0.37	0.05	A		2283	291	3.12	0.57	0.10	A	
121	MC	2078	503	0.00	0.00	0.01	A		55	2078	8.12	3.27	0.35	C>		2283	291	0.08	-0.09	-0.03	A	
122	MC	2078	503	1.54	-0.37	-0.05	A		55	2078	4.37	4.31	0.18	A		2283	291	0.61	0.29	0.06	A	
123	MC	2078	503	3.08	-0.55	-0.07	A		55	2078	6.19	4.98	0.26	A		2283	291	3.08	-0.70	-0.09	A	
124	MC	2078	503	4.72	-0.62	-0.08	A		55	2078	5.49	3.17	0.25	A		2283	291	0.38	0.21	0.02	A	
125	MC	2078	503	10.26	-0.86	-0.11	A		55	2078	17.33	3.82	0.57	C>		2283	291	0.70	-0.28	-0.03	A	
126	ER	8192	2037	29.69		0.09	A		215	8192	69.19		0.34	C>		9003	1204	4.44		0.01	A	
127	ER	2044	557	9.67		0.08	A		55	2044	10.40		0.34	A		2252	344	6.60		0.05	A	
128	ER	2044	557	10.16		0.10	A		55	2044	15.84		0.37	C>		2252	344	13.97		0.12	A	
129	ER	2111	470	14.85		-0.03	A		57	2111	19.81		0.37	C>		2281	294	5.39		0.07	A	
130	ER	2111	470	14.46		0.06	A		57	2111	12.14		0.35	A		2281	294	13.60		0.12	A	
131	ER	1959	507	20.14		0.10	A		48	1959	13.61		0.33	A		2187	275	5.00		-0.05	A	
132	ER	1959	507	29.12		0.20	B>		48	1959	14.08		0.35	A		2187	275	3.03		0.01	A	
133	ER	2078	503	21.99		0.07	A		55	2078	28.86		0.58	C>		2283	291	4.03		0.05	A	
134	ER	2078	503	12.74		0.10	A		55	2078	26.84		0.54	C>		2283	291	4.26		0.07	A	

**Table F.21: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Writing on Stage II**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FEP Reference Group: ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag

Note: MC=Multiple-choice Items, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group,

MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group,

Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.22: DIF Statistics based on ELL Students for Items in Listening on Stage II**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
135	MC	3802	4390	2.45	0.27	0.03	A	7240	952	0.93	0.25	0.04	A	416	7776	1.27	0.46	0.06	A	780	7412	4.57	-0.55	-0.09	A
136	MC	944	1100	1.63	-0.31	-0.06	A	1821	223	0.01	-0.05	0.02	A	61	1983	5.13	-1.48	-0.28	A	208	1836	1.49	0.50	0.09	A
137	MC	944	1100	0.94	-0.24	-0.04	A	1821	223	0.57	-0.29	-0.03	A	61	1983	0.38	-0.48	-0.08	A	208	1836	2.45	-0.72	-0.11	A
138	MC	944	1100	3.48	-0.42	-0.08	A	1821	223	0.05	-0.08	-0.01	A	61	1983	4.89	-1.67	-0.29	A	208	1836	1.79	0.51	0.09	A
139	MC	944	1100	0.40	-0.14	-0.03	A	1821	223	0.00	0.00	0.01	A	61	1983	1.79	-0.84	-0.17	A	208	1836	0.00	0.01	0.00	A
140	MC	944	1100	0.14	-0.08	-0.02	A	1821	223	0.04	-0.07	0.01	A	61	1983	1.08	-0.63	-0.13	A	208	1836	0.27	-0.20	-0.04	A
141	MC	944	1100	0.15	0.20	0.02	A	1821	223	0.89	-0.96	-0.06	A	61	1983	0.04	-0.35	-0.02	A	208	1836	3.15	-1.18	-0.15	A
142	MC	3802	4390	4.82	0.25	0.05	A	7240	952	0.89	0.17	0.04	A	416	7776	4.79	-0.54	-0.11	A	780	7412	2.90	-0.32	-0.06	A
143	MC	944	1100	4.61	-0.74	-0.09	A	1821	223	0.15	-0.23	-0.01	A	61	1983	24.44	-3.52	-0.54	C<	208	1836	0.11	0.18	0.02	A
144	MC	944	1100	0.08	0.14	0.01	A	1821	223	0.01	0.06	0.01	A	61	1983	9.95	-3.22	-0.33	C<	208	1836	1.85	-0.91	-0.11	A
145	MC	944	1100	0.17	-0.13	-0.02	A	1821	223	5.72	-1.42	-0.17	A	61	1983	0.94	-0.90	-0.10	A	208	1836	1.49	-0.54	-0.09	A
146	MC	944	1100	1.81	0.32	0.06	A	1821	223	0.59	0.30	0.07	A	61	1983	0.02	0.11	0.02	A	208	1836	0.46	-0.26	-0.05	A
147	MC	944	1100	1.37	0.26	0.05	A	1821	223	1.59	-0.46	-0.10	A	61	1983	2.84	-1.03	-0.22	A	208	1836	2.47	-0.55	-0.11	A
148	MC	944	1100	1.29	0.25	0.05	A	1821	223	3.09	-0.67	-0.12	A	61	1983	4.29	-1.29	-0.26	A	208	1836	0.66	-0.29	-0.06	A
149	MC	944	1100	0.14	-0.10	-0.01	A	1821	223	0.02	-0.07	-0.01	A	61	1983	0.01	-0.10	-0.01	A	208	1836	13.45	-1.41	-0.27	B<
150	MC	966	1145	1.12	0.23	0.05	A	1842	269	0.50	-0.24	-0.06	A	112	1999	1.10	0.55	0.10	A	209	1902	7.62	-0.97	-0.20	A
151	MC	966	1145	1.06	0.26	0.04	A	1842	269	0.84	-0.33	-0.06	A	112	1999	1.51	0.67	0.11	A	209	1902	1.55	0.53	0.08	A
152	MC	966	1145	1.01	-0.21	-0.05	A	1842	269	2.13	0.47	0.11	A	112	1999	0.02	0.07	0.01	A	209	1902	0.33	-0.21	-0.04	A
153	MC	966	1145	0.02	0.03	0.01	A	1842	269	0.35	0.20	0.06	A	112	1999	4.88	1.06	0.21	A	209	1902	1.17	-0.42	-0.08	A
154	MC	966	1145	0.45	-0.14	-0.03	A	1842	269	2.45	-0.49	-0.08	A	112	1999	1.31	0.54	0.11	A	209	1902	0.54	-0.26	-0.06	A
155	MC	966	1145	1.67	0.33	0.06	A	1842	269	1.64	0.48	0.09	A	112	1999	0.03	0.10	0.02	A	209	1902	1.82	0.58	0.11	A
156	MC	966	1145	0.98	0.45	0.04	A	1842	269	1.01	-0.81	-0.07	A	112	1999	0.01	-0.11	-0.01	A	209	1902	3.83	-1.10	-0.17	A
157	MC	966	1145	1.15	0.38	0.05	A	1842	269	2.31	0.78	0.10	A	112	1999	1.15	0.92	0.10	A	209	1902	1.70	-0.65	-0.11	A
158	MC	966	1145	0.00	0.01	0.00	A	1842	269	0.26	0.24	0.04	A	112	1999	4.13	1.51	0.20	A	209	1902	0.20	-0.20	-0.04	A
159	MC	966	1145	0.15	0.09	0.02	A	1842	269	5.58	0.82	0.14	A	112	1999	1.52	0.67	0.11	A	209	1902	0.55	-0.28	-0.05	A
160	MC	966	1145	0.42	0.21	0.03	A	1842	269	0.13	0.19	0.04	A	112	1999	0.66	0.61	0.08	A	209	1902	0.36	-0.27	-0.04	A
161	MC	966	1145	0.04	-0.07	-0.01	A	1842	269	2.78	0.86	0.12	A	112	1999	0.00	0.04	0.01	A	209	1902	1.00	-0.50	-0.09	A
162	MC	966	1145	0.55	0.26	0.03	A	1842	269	0.41	0.34	0.04	A	112	1999	2.01	1.28	0.14	A	209	1902	4.92	-1.05	-0.19	A
163	MC	903	1056	1.18	0.36	0.05	A	1731	228	0.20	0.22	0.02	A	96	1863	0.02	-0.11	-0.02	A	185	1774	0.63	-0.42	-0.07	A
164	MC	903	1056	0.01	-0.02	0.00	A	1731	228	0.10	-0.13	-0.05	A	96	1863	5.57	-1.76	-0.24	A	185	1774	0.00	0.01	0.00	A
165	MC	903	1056	0.08	-0.07	-0.02	A	1731	228	1.98	-0.50	-0.13	A	96	1863	0.57	0.41	0.08	A	185	1774	1.04	-0.43	-0.07	A
166	MC	903	1056	1.81	0.29	0.06	A	1731	228	1.27	-0.39	-0.06	A	96	1863	0.52	-0.35	-0.07	A	185	1774	12.23	-1.34	-0.27	B<
167	MC	903	1056	1.27	0.60	0.05	A	1731	228	0.67	0.59	0.07	A	96	1863	3.99	4.26	0.22	A	185	1774	4.61	-1.43	-0.19	A
168	MC	903	1056	0.00	-0.01	0.00	A	1731	228	0.23	-0.20	0.00	A	96	1863	0.00	0.04	0.01	A	185	1774	1.21	-0.46	-0.09	A
169	MC	903	1056	4.06	0.58	0.09	A	1731	228	0.23	-0.22	0.01	A	96	1863	2.18	1.02	0.15	A	185	1774	4.19	-0.88	-0.17	A
170	MC	903	1056	0.21	-0.12	-0.02	A	1731	228	1.09	-0.44	-0.05	A	96	1863	0.03	0.11	0.02	A	185	1774	4.31	-0.83	-0.16	A
171	MC	903	1056	4.22	0.54	0.09	A	1731	228	0.80	0.36	0.07	A	96	1863	3.95	1.29	0.20	A	185	1774	2.60	-0.67	-0.13	A
172	MC	903	1056	0.15	-0.08	-0.02	A	1731	228	3.44	-0.64	-0.13	A	96	1863	0.03	-0.09	-0.02	A	185	1774	0.29	0.20	0.04	A
173	MC	903	1056	2.18	-0.32	-0.06	A	1731	228	0.39	-0.22	-0.04	A	96	1863	1.65	0.65	0.13	A	185	1774	0.01	0.04	0.01	A
174	MC	903	1056	1.04	-0.29	-0.05	A	1731	228	1.08	-0.50	-0.09	A	96	1863	1.13	0.75	0.11	A	185	1774	0.74	-0.38	-0.07	A
175	MC	903	1056	0.05	0.07	0.01	A	1731	228	0.01	0.05	0.02	A	96	1863	0.01	0.06	0.01	A	185	1774	3.69	-0.89	-0.16	A
176	MC	989	1089	0.02	0.04	0.01	A	1846	232	0.04	-0.10	-0.03	A	147	1931	1.41	0.70	0.10	A	178	1900	8.64	-1.28	-0.24	B<
177	MC	989	1089	0.45	-0.15	-0.03	A	1846	232	0.01	0.04	0.01	A	147	1931	1.19	-0.46	-0.09	A	178	1900	0.84	-0.37	-0.07	A
178	MC	989	1089	0.01	0.02	0.00	A	1846	232	2.75	-0.54	-0.13	A	147	1931	6.24	1.01	0.21	A	178	1900	5.43	-0.91	-0.18	A
179	MC	989	1089	0.46	0.14	0.03	A	1846	232	0.58	-0.25	-0.06	A	147	1931	2.04	0.58	0.12	A	178	1900	2.32	-0.59	-0.12	A
180	MC	989	1089	6.75	1.09	0.10	B>	1846	232	1.97	0.85	0.10	A	147	1931	0.02	0.10	0.01	A	178	1900	8.21	-1.65	-0.25	C<
181	MC	989	1089	0.21	0.12	0.02	A	1846	232	1.36	0.46	0.07	A	147	1931	2.94	-0.79	-0.14	A	178	1900	3.11	-0.74	-0.14	A
182	MC	989	1089	3.02	0.39	0.08	A	1846	232	0.90	-0.34	-0.08	A	147	1931	0.38	0.26	0.05	A	178	1900	2.61	-0.63	-0.13	A
183	MC	989	1089	0.01	-0.03	-0.01	A	1846	232	2.58	0.61	0.11	A	147	1931	0.15	-0.18	-0.03	A	178	1900	0.22	-0.19	-0.04	A
184	MC	989	1089	1.23	0.30	0.04	A	1846	232	0.01	-0.04	0.01	A	147	1931	2.58	0.91	0.14	A	178	1900	4.74	-0.93	-0.18	A
185	MC	989	1089	0.08	-0.06	-0.01	A	1846	232	1.74	-0.47	-0.08	A	147	1931	0.05	0.11	0.02	A	178	1900	4.71	-0.98	-0.16	A



**Table F.22: DIF Statistics based on ELL Students for Items in Listening on Stage II**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
186	MC	989	1089	2.05	0.53	0.06	A	1846	232	1.28	0.62	0.08	A	147	1931	0.19	-0.29	-0.04	A	178	1900	0.23	0.30	0.04	A
187	MC	989	1089	7.95	0.85	0.11	A	1846	232	0.42	0.29	0.04	A	147	1931	0.03	-0.10	-0.01	A	178	1900	2.45	-0.73	-0.12	A
188	MC	989	1089	1.58	0.48	0.05	A	1846	232	0.33	-0.38	-0.04	A	147	1931	1.46	1.00	0.10	A	178	1900	7.37	-1.40	-0.23	B<

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.23: DIF Statistics based on ELL Students' Home Languages for Items in Listening on Stage II**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish							Focal Group: Spanish Reference Group: English							Focal Group: Non-Spanish Reference Group: English							Focal Group: American Indian Reference Group: English						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
135	MC	6868	1324	0.29	0.12	0.02	A		6868	812	0.35	-0.17	-0.02	A		512	812	3.04	-0.73	-0.09	A		64	812	0.05	-0.21	-0.03	A	
136	MC	1732	312	0.00	0.01	0.02	A		1732	210	1.10	0.40	0.08	A		102	210	2.47	1.17	0.16	A		8	210	0.66	2.15	0.27	A	
137	MC	1732	312	0.20	-0.15	-0.02	A		1732	210	0.53	-0.29	-0.05	A		102	210	0.54	-0.52	-0.06	A		8	210	0.79	-2.37	-0.32	A	
138	MC	1732	312	3.60	-0.58	-0.11	A		1732	210	1.28	-0.42	-0.08	A		102	210	0.71	0.50	0.09	A		8	210	0.00	-0.01	-0.01	A	
139	MC	1732	312	0.56	-0.22	-0.04	A		1732	210	0.18	-0.15	-0.03	A		102	210	0.06	0.15	0.07	A		8	210	0.69	1.53	0.30	A	
140	MC	1732	312	8.00	-0.87	-0.16	A		1732	210	4.08	-0.73	-0.14	A		102	210	0.17	0.26	0.06	A		8	210	3.77	4.98	0.65	A	
141	MC	1732	312	2.47	-1.32	-0.09	A		1732	210	1.61	-1.18	-0.08	A		102	210	0.04	0.37	0.03	A		8	210	0.25		0.17		
142	MC	6868	1324	0.45	0.10	0.02	A		6868	812	0.00	0.00	0.00	A		512	812	0.84	-0.27	-0.05	A		64	812	5.23	-1.35	-0.29	A	
143	MC	1732	312	0.01	-0.05	0.00	A		1732	210	0.05	-0.13	-0.02	A		102	210	0.21	-0.45	-0.03	A		8	210	0.92		0.32		
144	MC	1732	312	0.25	-0.36	-0.02	A		1732	210	0.10	-0.26	-0.01	A		102	210	0.02	0.23	0.02	A		8	210	0.37		0.21		
145	MC	1732	312	0.32	-0.25	-0.03	A		1732	210	0.00	0.02	0.01	A		102	210	1.40	1.13	0.12	A		8	210	1.72		0.43		
146	MC	1732	312	0.38	0.21	0.03	A		1732	210	0.83	0.35	0.05	A		102	210	0.27	0.35	0.07	A		8	210	0.92	2.76	0.32	A	
147	MC	1732	312	3.61	-0.60	-0.12	A		1732	210	1.62	-0.47	-0.10	A		102	210	0.36	0.39	0.09	A		8	210	10.40	-6.49	-1.16	C<	
148	MC	1732	312	0.62	-0.25	-0.04	A		1732	210	0.00	0.01	0.00	A		102	210	1.17	0.71	0.10	A		8	210	0.22	0.90	0.16	A	
149	MC	1732	312	0.86	0.34	0.06	A		1732	210	1.59	0.52	0.09	A		102	210	0.83	0.70	0.12	A		8	210	0.63	2.34	0.27	A	
150	MC	1823	288	0.04	0.06	-0.01	A		1823	146	0.17	0.18	0.02	A		142	146	0.04	0.11	0.01	A		39	146	0.98	-0.84	-0.22	A	
151	MC	1823	288	0.53	-0.26	-0.04	A		1823	146	2.26	-0.69	-0.12	A		142	146	1.88	-0.93	-0.16	A		39	146	0.02	-0.14	-0.01	A	
152	MC	1823	288	0.08	-0.09	-0.01	A		1823	146	2.18	-0.60	-0.11	A		142	146	2.77	-0.96	-0.20	A		39	146	6.94	-2.58	-0.46	C<	
153	MC	1823	288	0.29	-0.17	0.00	A		1823	146	1.44	-0.52	-0.05	A		142	146	0.71	-0.53	-0.09	A		39	146	1.35	-1.14	-0.19	A	
154	MC	1823	288	0.46	-0.21	-0.03	A		1823	146	0.27	-0.22	-0.01	A		142	146	0.05	0.13	0.03	A		39	146	0.12	0.30	0.06	A	
155	MC	1823	288	0.08	-0.10	-0.02	A		1823	146	1.18	-0.59	-0.10	A		142	146	1.97	-1.01	-0.16	A		39	146	0.24	-0.58	-0.09	A	
156	MC	1823	288	0.84	-0.68	-0.07	A		1823	146	0.06	-0.24	-0.02	A		142	146	0.47	0.98	0.09	A		39	146	0.10	-0.61	-0.04	A	
157	MC	1823	288	4.37	1.01	0.13	A		1823	146	2.68	1.10	0.14	A		142	146	0.02	0.12	0.01	A		39	146	0.00	-0.05	0.01	A	
158	MC	1823	288	4.04	-1.00	-0.13	A		1823	146	7.51	-2.26	-0.24	C<		142	146	4.59	-2.19	-0.25	A		39	146	5.62	-3.30	-0.39	A	
159	MC	1823	288	0.03	0.06	0.01	A		1823	146	0.26	-0.24	-0.06	A		142	146	0.90	-0.61	-0.12	A		39	146	4.38	-1.92	-0.36	A	
160	MC	1823	288	0.18	0.20	0.03	A		1823	146	0.00	-0.03	0.00	A		142	146	0.23	-0.43	-0.06	A		39	146	0.09	0.49	0.06	A	
161	MC	1823	288	0.14	0.19	0.02	A		1823	146	0.04	-0.15	-0.01	A		142	146	0.52	-0.71	-0.08	A		39	146	0.53	-1.07	-0.13	A	
162	MC	1823	288	2.15	0.72	0.08	A		1823	146	0.74	0.58	0.04	A		142	146	0.15	-0.36	-0.06	A		39	146	0.04	-0.29	-0.04	A	
163	MC	1555	404	2.22	-0.63	-0.08	A		1555	268	4.19	-1.13	-0.13	A		136	268	2.55	-1.24	-0.17	A		10	268	2.61	-2.63	-0.62	A	
164	MC	1555	404	1.39	0.39	0.06	A		1555	268	0.92	0.37	0.06	A		136	268	0.02	0.08	-0.01	A		10	268	0.30	-1.40	-0.16	A	
165	MC	1555	404	0.13	0.11	0.03	A		1555	268	0.13	0.12	0.03	A		136	268	0.00	0.04	0.02	A		10	268	0.00	-0.05	0.00	A	
166	MC	1555	404	1.75	-0.35	-0.08	A		1555	268	1.83	-0.43	-0.10	A		136	268	0.29	-0.27	-0.06	A		10	268	0.41	-1.04	-0.22	A	
167	MC	1555	404	0.74	0.51	0.05	A		1555	268	0.00	0.02	0.00	A		136	268	1.59	-1.33	-0.15	A		10	268	0.05	-0.61	-0.11	A	
168	MC	1555	404	0.26	-0.16	-0.02	A		1555	268	0.27	-0.20	-0.03	A		136	268	0.11	-0.20	-0.04	A		10	268	2.27	-2.33	-0.56	A	
169	MC	1555	404	0.93	-0.34	-0.04	A		1555	268	0.37	-0.26	-0.04	A		136	268	0.00	0.03	0.00	A		10	268	0.06	-0.45	-0.11	A	
170	MC	1555	404	0.18	0.13	0.04	A		1555	268	0.84	0.34	0.05	A		136	268	0.18	0.25	0.06	A		10	268	2.79	-3.10	-0.63	A	
171	MC	1555	404	0.22	0.15	0.03	A		1555	268	0.00	-0.02	-0.01	A		136	268	0.98	-0.57	-0.09	A		10	268	0.06	0.36	0.13	A	
172	MC	1555	404	1.46	-0.33	-0.07	A		1555	268	2.43	-0.51	-0.09	A		136	268	0.46	-0.35	-0.06	A		10	268	4.28	-4.42	-0.66	A	
173	MC	1555	404	2.50	0.43	0.09	A		1555	268	1.03	0.33	0.08	A		136	268	0.12	-0.19	-0.02	A		10	268	0.12	-0.55	-0.09	A	
174	MC	1555	404	1.04	-0.38	-0.06	A		1555	268	0.45	-0.30	-0.04	A		136	268	0.33	0.41	0.05	A		10	268	0.20	-0.77	-0.19	A	
175	MC	1555	404	1.27	-0.43	-0.05	A		1555	268	1.10	-0.50	-0.06	A		136	268	0.17	-0.30	-0.05	A		10	268	0.14	-0.68	-0.17	A	
176	MC	1758	320	0.56	-0.30	-0.04	A		1758	188	2.78	-0.89	-0.12	A		132	188	3.26	-1.35	-0.20	A		7	188	0.07	-0.68	-0.10	A	
177	MC	1758	320	1.36	0.36	0.08	A		1758	188	2.29	0.59	0.13	A		132	188	0.96	0.57	0.13	A		7	188	0.42	1.05	0.25	A	
178	MC	1758	320	0.49	-0.20	-0.05	A		1758	188	0.33	-0.21	-0.06	A		132	188	0.00	-0.01	0.00	A		7	188	1.48	2.73	0.47	A	
179	MC	1758	320	3.65	-0.55	-0.12	A		1758	188	6.48	-0.92	-0.19	A		132	188	2.53	-0.88	-0.17	A		7	188	0.01	0.15	0.04	A	
180	MC	1758	320	1.34	0.60	0.07	A		1758	188	0.03	0.11	0.01	A		132	188	1.68	-1.23	-0.13	A		7	188	1.03	-3.45	-0.30	A	
181	MC	1758	320	0.15	-0.14	-0.02	A		1758	188	0.58	-0.35	-0.05	A		132	188	0.34	-0.39	-0.06	A		7	188	0.06	0.63	0.10	A	
182	MC	1758	320	0.17	-0.13	-0.02	A		1758	188	0.17	-0.16	-0.03	A		132	188	0.01	-0.06	-0.01	A		7	188	3.07		0.63		
183	MC	1758	320	0.00	-0.02	0.00	A		1758	188	1.31	-0.48	-0.07	A		132	188	3.32	-1.11	-0.18	A		7	188	0.22	1.31	0.18	A	
184	MC	1758	320	0.12	0.13	0.02	A		1758	188	0.06	0.11	0.01	A		132	188	0.05	-0.14	-0.02	A		7	188	1.04	-2.82	-0.32	A	
185	MC	1758	320	0.25	0.16	0.03	A		1758	188	4.22	0.87	0.16	A		132	188	7.04	1.59	0.30	C>		7	188	0.00	-0.11	-0.02	A	

**Table F.23: DIF Statistics based on ELL Students' Home Languages for Items in Listening on Stage II**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
186	MC	1758	320	0.57	0.36	0.05	A	1758	188	1.00	-0.68	-0.07	A	132	188	6.30	-2.20	-0.28	A	7	188	0.47		0.24	
187	MC	1758	320	0.01	-0.03	0.00	A	1758	188	2.18	-0.81	-0.10	A	132	188	4.73	-1.61	-0.24	A	7	188	0.81		0.29	
188	MC	1758	320	0.39	0.32	0.03	A	1758	188	0.13	0.23	0.02	A	132	188	0.04	-0.19	-0.02	A	7	188	0.55	-1.77	-0.25	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.24: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Listening on Stage II**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FEP Reference Group: ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
135	MC	8192	2037	2.84	0.33	0.05	A	215	8192	0.09	-0.20	-0.01	A	9003	1204	0.79	0.21	0.04	A
136	MC	2044	557	5.39	-0.67	-0.10	A	55	2044	0.27	0.46	0.07	A	2252	344	2.27	-0.52	-0.07	A
137	MC	2044	557	1.72	-0.34	-0.04	A	55	2044	9.72	2.07	0.50	C>	2252	344	0.05	0.07	0.04	A
138	MC	2044	557	0.75	-0.21	0.00	A	55	2044	14.96	2.83	0.58	C>	2252	344	4.69	-0.63	-0.09	A
139	MC	2044	557	5.71	-0.57	-0.09	A	55	2044	5.92	1.84	0.33	A	2252	344	1.73	-0.38	-0.05	A
140	MC	2044	557	11.48	-0.83	-0.14	A	55	2044	7.87	2.49	0.36	C>	2252	344	1.71	-0.39	-0.05	A
141	MC	2044	557	0.75	-0.60	-0.04	A	55	2044	0.32	-1.47	-0.04	A	2252	344	0.71	0.61	0.06	A
142	MC	8192	2037	27.69	-0.73	-0.11	A	215	8192	3.22	0.82	0.11	A	9003	1204	9.17	-0.51	-0.09	A
143	MC	2044	557	6.53	-1.23	-0.12	A	55	2044	2.34		0.13		2252	344	0.51	-0.39	-0.03	A
144	MC	2044	557	1.18	0.61	0.06	A	55	2044	0.56		0.05		2252	344	0.00	0.02	-0.01	A
145	MC	2044	557	1.38	-0.44	-0.06	A	55	2044	0.59	1.72	0.06	A	2252	344	0.17	-0.18	-0.03	A
146	MC	2044	557	0.92	-0.26	-0.05	A	55	2044	0.06	0.22	0.03	A	2252	344	0.02	0.05	-0.01	A
147	MC	2044	557	3.98	-0.50	-0.09	A	55	2044	0.97	0.77	0.13	A	2252	344	2.51	0.46	0.10	A
148	MC	2044	557	0.04	-0.05	0.02	A	55	2044	0.36	0.50	0.07	A	2252	344	4.30	-0.65	-0.12	A
149	MC	2044	557	1.77	-0.45	-0.05	A	55	2044	1.27	1.85	0.11	A	2252	344	1.86	-0.57	-0.07	A
150	MC	2111	470	1.06	-0.28	-0.03	A	57	2111	0.03	0.12	0.02	A	2281	294	0.18	-0.13	-0.03	A
151	MC	2111	470	3.06	-0.49	-0.08	A	57	2111	0.50	0.49	0.12	A	2281	294	2.11	-0.50	-0.08	A
152	MC	2111	470	3.39	-0.45	-0.08	A	57	2111	3.53	1.22	0.26	A	2281	294	8.03	-0.83	-0.17	A
153	MC	2111	470	0.60	-0.20	-0.01	A	57	2111	1.35	0.76	0.17	A	2281	294	0.85	-0.29	-0.04	A
154	MC	2111	470	8.83	-0.74	-0.11	A	57	2111	3.77	1.31	0.26	A	2281	294	0.26	-0.15	-0.03	A
155	MC	2111	470	0.96	-0.31	-0.03	A	57	2111	0.16	0.36	0.05	A	2281	294	0.64	-0.30	-0.05	A
156	MC	2111	470	0.81	0.50	0.05	A	57	2111	0.50		0.03		2281	294	0.78	-0.61	-0.05	A
157	MC	2111	470	0.08	0.13	0.03	A	57	2111	1.53		0.08		2281	294	2.58	0.76	0.10	A
158	MC	2111	470	0.26	0.19	0.04	A	57	2111	0.51	1.21	0.06	A	2281	294	1.73	-0.60	-0.08	A
159	MC	2111	470	0.10	-0.10	0.01	A	57	2111	0.49	0.77	0.07	A	2281	294	0.10	-0.11	-0.02	A
160	MC	2111	470	0.16	0.16	0.03	A	57	2111	0.88	2.11	0.08	A	2281	294	0.73	0.38	0.05	A
161	MC	2111	470	0.10	-0.14	-0.01	A	57	2111	1.15		0.06		2281	294	1.39	0.58	0.07	A
162	MC	2111	470	4.80	0.91	0.13	A	57	2111	1.60		0.08		2281	294	0.27	-0.26	-0.03	A
163	MC	1959	507	0.00	-0.01	0.02	A	48	1959	0.23	0.68	0.06	A	2187	275	0.08	-0.14	-0.01	A
164	MC	1959	507	0.30	0.16	0.05	A	48	1959	0.93	0.71	0.16	A	2187	275	0.39	-0.22	-0.04	A
165	MC	1959	507	5.64	-0.61	-0.09	A	48	1959	11.61	2.57	0.55	C>	2187	275	0.03	0.06	0.03	A
166	MC	1959	507	0.72	0.21	0.09	A	48	1959	0.00	0.01	0.00	A	2187	275	0.35	0.19	0.05	A
167	MC	1959	507	0.18	-0.29	-0.02	A	48	1959	0.25		0.02		2187	275	0.01	-0.09	-0.01	A
168	MC	1959	507	0.15	0.12	0.01	A	48	1959	1.69	2.25	0.13	A	2187	275	0.00	0.02	0.01	A
169	MC	1959	507	0.66	-0.30	-0.02	A	48	1959	0.01	0.14	0.01	A	2187	275	0.26	-0.24	-0.02	A
170	MC	1959	507	0.15	0.13	0.03	A	48	1959	0.17	0.61	0.04	A	2187	275	0.73	-0.36	-0.05	A
171	MC	1959	507	2.32	-0.51	-0.09	A	48	1959	2.36	3.33	0.14	A	2187	275	2.52	0.61	0.10	A
172	MC	1959	507	26.47	-1.33	-0.25	B<	48	1959	1.87	1.10	0.19	A	2187	275	1.75	-0.42	-0.10	A
173	MC	1959	507	8.28	-0.73	-0.13	A	48	1959	0.76	0.69	0.12	A	2187	275	0.48	-0.23	-0.02	A
174	MC	1959	507	0.04	0.07	0.02	A	48	1959	1.48	2.87	0.11	A	2187	275	0.27	-0.24	-0.02	A
175	MC	1959	507	0.53	0.27	0.02	A	48	1959	0.55	1.75	0.06	A	2187	275	0.01	-0.05	0.00	A
176	MC	2078	503	0.56	-0.27	-0.03	A	55	2078	3.41	-1.66	-0.20	A	2283	291	0.80	-0.41	-0.04	A
177	MC	2078	503	5.29	-0.57	-0.08	A	55	2078	8.88	2.16	0.43	C>	2283	291	3.02	-0.54	-0.10	A
178	MC	2078	503	3.55	-0.46	-0.07	A	55	2078	0.01	0.07	0.02	A	2283	291	2.43	-0.47	-0.08	A
179	MC	2078	503	4.89	-0.54	-0.09	A	55	2078	0.08	-0.18	-0.04	A	2283	291	4.67	-0.67	-0.09	A
180	MC	2078	503	1.78	0.66	0.06	A	55	2078	0.32	-1.43	-0.03	A	2283	291	0.41	0.42	0.07	A
181	MC	2078	503	0.40	-0.20	-0.01	A	55	2078	0.85	-0.83	-0.11	A	2283	291	1.68	-0.54	-0.09	A
182	MC	2078	503	4.38	-0.58	-0.09	A	55	2078	0.35	0.51	0.07	A	2283	291	0.03	-0.06	0.03	A
183	MC	2078	503	0.48	-0.21	0.00	A	55	2078	1.77	1.63	0.14	A	2283	291	0.69	-0.32	-0.01	A
184	MC	2078	503	0.84	-0.30	-0.05	A	55	2078	0.18	0.48	0.05	A	2283	291	3.87	-0.89	-0.10	A
185	MC	2078	503	7.44	-0.71	-0.10	A	55	2078	12.57	2.68	0.52	C>	2283	291	0.61	0.25	0.05	A
186	MC	2078	503	2.44	0.66	0.08	A	55	2078	0.01	-0.19	-0.01	A	2283	291	0.01	0.06	0.03	A

**Table F.24: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Listening on Stage II**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FEP Reference Group: ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
187	MC	2078	503	0.03	-0.07	0.00	A	55	2078	1.64	2.81	0.12	A	2283	291	1.51	0.55	0.08	A
188	MC	2078	503	0.14	0.19	0.02	A	55	2078	0.93		0.06		2283	291	0.66	-0.55	-0.04	A

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.25: DIF Statistics based on ELL Students for Items in Speaking on Stage II**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
190	SA4	3802	4390	52.04		-0.09	A	7240	952	8.02		-0.01	A	416	7776	4.48		-0.05	A	780	7412	36.26		0.16	A
194	SA4	3802	4390	4.64		0.04	A	7240	952	2.94		-0.04	A	416	7776	5.85		-0.09	A	780	7412	10.13		-0.07	A
195	SA4	944	1100	12.56		-0.04	A	1821	223	3.21		0.06	A	61	1983	2.51		-0.05	A	208	1836	4.72		-0.13	A
196	SA4	944	1100	3.59		0.06	A	1821	223	1.61		-0.04	A	61	1983	4.85		-0.19	A	208	1836	1.73		-0.06	A
197	SA4	944	1100	6.11		-0.08	A	1821	223	7.35		0.09	A	61	1983	6.22		0.21	A	208	1836	2.16		0.03	A
198	SA4	944	1100	2.92		-0.04	A	1821	223	9.70		-0.08	A	61	1983	3.14		0.03	A	208	1836	5.58		-0.03	A
199	SA2	944	1100	2.24		0.06	A	1821	223	4.60		-0.08	A	61	1983	0.10		-0.03	A	208	1836	2.66		-0.10	A
200	SA4	944	1100	4.03		-0.01	A	1821	223	5.48		0.08	A	61	1983	2.05		0.02	A	208	1836	0.73		0.00	A
201	SA4	944	1100	13.95		-0.04	A	1821	223	3.75		-0.08	A	61	1983	3.68		0.09	A	208	1836	11.55		-0.02	A
205	SA4	966	1145	8.34		0.02	A	1842	269	5.34		0.01	A	112	1999	1.69		0.03	A	209	1902	9.53		-0.11	A
206	SA4	966	1145	24.52		-0.08	A	1842	269	4.22		-0.09	A	112	1999	2.13		0.08	A	209	1902	6.14		0.07	A
207	SA2	966	1145	1.72		0.00	A	1842	269	4.69		-0.03	A	112	1999	0.30		0.01	A	209	1902	0.24		-0.01	A
208	SA2	966	1145	3.65		0.03	A	1842	269	1.59		0.05	A	112	1999	2.24		-0.09	A	209	1902	5.16		0.02	A
209	SA4	966	1145	13.13		-0.04	A	1842	269	5.62		-0.08	A	112	1999	7.60		0.08	A	209	1902	13.44		0.14	A
210	SA4	966	1145	18.79		-0.06	A	1842	269	2.07		0.02	A	112	1999	6.39		0.16	A	209	1902	1.43		0.08	A
211	SA4	966	1145	15.62		-0.09	A	1842	269	3.78		-0.07	A	112	1999	2.07		-0.06	A	209	1902	13.75		0.07	A
217	SA4	903	1056	5.17		0.08	A	1731	228	4.17		-0.12	A	96	1863	2.10		-0.10	A	185	1774	6.17		-0.05	A
218	SA4	903	1056	12.35		-0.11	A	1731	228	2.51		0.07	A	96	1863	6.60		-0.04	A	185	1774	5.09		0.02	A
219	SA4	903	1056	6.41		-0.07	A	1731	228	2.67		0.00	A	96	1863	2.22		-0.03	A	185	1774	6.13		0.02	A
220	SA2	903	1056	2.86		0.08	A	1731	228	0.55		-0.03	A	96	1863	0.05		0.01	A	185	1774	2.16		-0.08	A
221	SA2	903	1056	2.28		0.04	A	1731	228	1.21		-0.03	A	96	1863	5.91		-0.11	A	185	1774	6.96		-0.12	A
222	SA4	903	1056	1.70		0.00	A	1731	228	2.77		0.10	A	96	1863	1.72		-0.05	A	185	1774	4.39		0.09	A
223	SA4	903	1056	2.86		0.06	A	1731	228	8.11		0.12	A	96	1863	3.54		-0.06	A	185	1774	2.07		0.00	A
227	SA4	989	1089	5.78		0.09	A	1846	232	0.90		-0.03	A	147	1931	5.79		-0.16	A	178	1900	1.79		-0.05	A
228	SA4	989	1089	21.73		-0.14	A	1846	232	18.13		0.19	B>	147	1931	3.07		-0.08	A	178	1900	7.44		0.13	A
229	SA4	989	1089	16.33		-0.06	A	1846	232	15.79		0.17	A	147	1931	2.73		-0.06	A	178	1900	14.21		0.15	A
230	SA2	989	1089	1.81		0.05	A	1846	232	0.85		0.06	A	147	1931	2.72		-0.13	A	178	1900	1.86		0.06	A
231	SA4	989	1089	6.23		-0.04	A	1846	232	15.06		0.19	B>	147	1931	11.83		-0.21	A	178	1900	9.55		0.05	A
232	SA4	989	1089	9.51		0.12	A	1846	232	12.57		0.20	A	147	1931	5.77		-0.18	A	178	1900	5.55		0.15	A
233	SA4	989	1089	17.22		0.09	A	1846	232	17.60		0.07	A	147	1931	4.24		-0.12	A	178	1900	4.38		0.06	A

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.26: DIF Statistics based on ELL Students' Home Languages for Items in Speaking on Stage II**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
190	SA4	6868	1324	4.27		-0.03	A	6868	812	5.97		-0.05	A	512	812	3.65		-0.05	A	64	812	9.16		0.22	A
194	SA4	6868	1324	18.83		-0.10	A	6868	812	16.71		-0.13	A	512	812	4.30		-0.06	A	64	812	4.76		-0.25	A
195	SA4	1732	312	4.23		0.04	A	1732	210	3.76		-0.02	A	102	210	4.81		-0.17	A	8	210	7.05		-0.32	A
196	SA4	1732	312	11.20		-0.16	A	1732	210	11.78		-0.20	A	102	210	1.39		-0.09	A	8	210	2.49		-0.55	A
197	SA4	1732	312	2.52		-0.04	A	1732	210	2.35		-0.09	A	102	210	2.69		-0.11	A	8	210	5.80		0.17	A
198	SA4	1732	312	5.19		-0.07	A	1732	210	2.73		-0.08	A	102	210	6.39		0.00	A	8	210	3.75		0.15	A
199	SA2	1732	312	0.54		-0.01	A	1732	210	0.04		0.01	A	102	210	0.64		0.08	A	8	210	1.15		-0.39	A
200	SA4	1732	312	10.54		0.04	A	1732	210	1.50		0.02	A	102	210	6.48		-0.05	A	8	210	5.00		-0.62	A
201	SA4	1732	312	10.24		-0.14	A	1732	210	11.31		-0.22	A	102	210	8.22		-0.20	A	8	210	3.58		0.20	A
205	SA4	1823	288	6.10		-0.10	A	1823	146	7.89		-0.16	A	142	146	2.27		-0.13	A	39	146	2.97		-0.23	A
206	SA4	1823	288	3.73		-0.04	A	1823	146	3.08		-0.04	A	142	146	0.71		0.00	A	39	146	12.30		0.53	A
207	SA2	1823	288	1.80		-0.06	A	1823	146	6.11		-0.19	A	142	146	8.18		-0.25	A	39	146	6.24		-0.42	A
208	SA2	1823	288	4.73		0.04	A	1823	146	1.45		-0.02	A	142	146	1.52		-0.13	A	39	146	1.66		-0.19	A
209	SA4	1823	288	3.94		0.04	A	1823	146	10.57		0.03	A	142	146	11.79		-0.01	A	39	146	6.14		0.22	A
210	SA4	1823	288	4.76		0.03	A	1823	146	4.97		0.12	A	142	146	5.77		0.20	A	39	146	10.71		0.39	A
211	SA4	1823	288	7.50		-0.09	A	1823	146	17.27		-0.07	A	142	146	21.10		0.04	A	39	146	14.33		0.13	A
217	SA4	1555	404	8.15		-0.10	A	1555	268	6.10		-0.06	A	136	268	2.33		0.08	A	10	268			-0.05	A
218	SA4	1555	404	10.80		0.03	A	1555	268	11.98		-0.01	A	136	268	4.58		-0.12	A	10	268	3.44		0.39	A
219	SA4	1555	404	1.74		-0.04	A	1555	268	3.99		-0.08	A	136	268	3.74		-0.11	A	10	268	8.63		0.39	A
220	SA2	1555	404	1.24		-0.05	A	1555	268	0.65		-0.05	A	136	268	0.86		0.02	A	10	268	5.30		0.21	A
221	SA2	1555	404	1.37		0.00	A	1555	268	0.93		0.01	A	136	268	0.22		0.04	A	10	268	5.19		0.17	A
222	SA4	1555	404	8.37		0.11	A	1555	268	5.77		0.06	A	136	268	5.93		-0.16	A	10	268	3.27		-0.02	A
223	SA4	1555	404	16.92		0.11	A	1555	268	10.81		0.04	A	136	268	7.12		-0.19	A	10	268	2.50		0.14	A
227	SA4	1758	320	6.20		-0.12	A	1758	188	6.24		-0.10	A	132	188	3.72		0.06	A	7	188	4.82		-0.06	A
228	SA4	1758	320	3.01		0.07	A	1758	188	1.46		-0.06	A	132	188	10.65		-0.31	A	7	188	4.61		-0.67	A
229	SA4	1758	320	4.11		0.04	A	1758	188	5.10		-0.07	A	132	188	6.79		-0.25	A	7	188	5.62		-0.60	A
230	SA2	1758	320	0.28		0.02	A	1758	188	0.03		0.00	A	132	188	0.49		-0.03	A	7	188	1.55		-0.48	A
231	SA4	1758	320	14.94		0.12	A	1758	188	17.76		0.06	A	132	188	7.20		-0.15	A	7	188	2.19		-0.55	A
232	SA4	1758	320	14.46		0.11	A	1758	188	14.68		0.11	A	132	188	3.49		-0.02	A	7	188	2.78		-0.63	A
233	SA4	1758	320	6.28		0.02	A	1758	188	6.12		-0.02	A	132	188	6.89		-0.08	A	7	188	6.20		-0.47	A

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.27: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Speaking on Stage II**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FEP Reference Group: ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
190	SA4	8192	2037	15.89		-0.07	A	215	8192	5.15		0.13	A	9003	1204	5.19		-0.06	A
194	SA4	8192	2037	163.93		-0.21	B<	215	8192	39.37		0.63	C>	9003	1204	35.49		-0.13	A
195	SA4	2044	557	6.02		-0.01	A	55	2044	0.49		0.01	A	2252	344	6.86		-0.07	A
196	SA4	2044	557	64.74		-0.24	B<	55	2044	31.11		1.08	C>	2252	344	19.29		-0.13	A
197	SA4	2044	557	13.51		-0.12	A	55	2044	2.35		0.07	A	2252	344	3.00		-0.08	A
198	SA4	2044	557	26.70		-0.20	B<	55	2044	2.97		0.14	A	2252	344	10.07		-0.13	A
199	SA2	2044	557	30.09		-0.12	A	55	2044	11.82		0.59	C>	2252	344	20.87		-0.16	A
200	SA4	2044	557	10.58		0.10	A	55	2044	2.79		-0.07	A	2252	344	23.01		0.04	A
201	SA4	2044	557	12.79		-0.07	A	55	2044	4.42		0.17	A	2252	344	2.57		-0.01	A
205	SA4	2111	470	45.95		-0.24	B<	57	2111	2.61		0.23	A	2281	294	14.11		-0.14	A
206	SA4	2111	470	8.89		-0.04	A	57	2111	2.67		-0.03	A	2281	294	0.63		0.02	A
207	SA2	2111	470	39.20		-0.26	C<	57	2111	0.32		-0.09	A	2281	294	17.73		-0.23	B<
208	SA2	2111	470	25.51		-0.22	B<	57	2111	0.26		-0.08	A	2281	294	7.44		-0.14	A
209	SA4	2111	470	23.38		0.18	B>	57	2111	3.80		-0.24	A	2281	294	1.69		0.04	A
210	SA4	2111	470	8.13		0.12	A	57	2111	3.50		-0.10	A	2281	294	3.81		0.01	A
211	SA4	2111	470	30.53		-0.21	B<	57	2111	3.22		0.03	A	2281	294	4.26		-0.08	A
217	SA4	1959	507	31.50		-0.19	B<	48	1959	6.24		0.17	A	2187	275	3.94		-0.08	A
218	SA4	1959	507	3.47		-0.01	A	48	1959	5.66		0.12	A	2187	275	4.50		0.02	A
219	SA4	1959	507	10.75		-0.12	A	48	1959	5.12		0.20	A	2187	275	1.21		0.02	A
220	SA2	1959	507	47.63		-0.29	C<	48	1959	6.47		0.31	A	2187	275	7.38		-0.15	A
221	SA2	1959	507	38.01		-0.27	C<	48	1959	3.99		0.32	A	2187	275	11.82		-0.19	B<
222	SA4	1959	507	11.91		-0.10	A	48	1959	4.00		-0.08	A	2187	275	2.89		0.07	A
223	SA4	1959	507	2.20		-0.04	A	48	1959	1.16		-0.07	A	2187	275	5.25		0.03	A
227	SA4	2078	503	22.27		-0.14	A	55	2078	28.35		0.96	C>	2283	291	9.87		-0.14	A
228	SA4	2078	503	33.30		-0.01	A	55	2078	16.23		0.11	A	2283	291	3.99		-0.04	A
229	SA4	2078	503	13.43		0.10	A	55	2078	7.84		-0.19	A	2283	291	2.26		-0.02	A
230	SA2	2078	503	13.63		-0.11	A	55	2078	21.43		0.88	C>	2283	291	6.40		-0.08	A
231	SA4	2078	503	14.55		0.08	A	55	2078	3.34		0.21	A	2283	291	3.38		-0.01	A
232	SA4	2078	503	15.86		0.12	A	55	2078	9.79		0.36	A	2283	291	5.74		0.09	A
233	SA4	2078	503	11.43		-0.08	A	55	2078	2.26		-0.16	A	2283	291	2.83		-0.01	A

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.28: DIF Statistics based on ELL Students for Items in Reading on Stage III**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
1	MC	2819	3849	6.00	0.37	0.05	A	5193	1475	2.01	-0.27	-0.04	A	513	6155	1.49	0.34	0.05	A	1334	5334	30.74	-0.92	-0.17	A
2	MC	2819	3849	8.80	0.37	0.07	A	5193	1475	0.32	-0.08	-0.01	A	513	6155	7.79	0.63	0.12	A	1334	5334	0.48	-0.11	-0.02	A
3	MC	2819	3849	5.36	0.35	0.05	A	5193	1475	0.60	-0.15	-0.03	A	513	6155	0.13	-0.10	-0.01	A	1334	5334	23.60	-0.83	-0.15	A
4	MC	2819	3849	0.51	-0.09	-0.02	A	5193	1475	1.22	-0.16	-0.04	A	513	6155	2.33	-0.35	-0.07	A	1334	5334	0.26	-0.08	-0.02	A
5	MC	2819	3849	0.02	-0.02	0.00	A	5193	1475	0.27	-0.08	-0.02	A	513	6155	0.19	0.10	0.02	A	1334	5334	0.25	-0.08	-0.01	A
6	MC	2819	3849	0.20	0.06	0.01	A	5193	1475	0.24	0.08	0.01	A	513	6155	1.09	-0.26	-0.05	A	1334	5334	0.18	-0.07	-0.02	A
7	MC	2819	3849	3.47	-0.24	-0.04	A	5193	1475	0.29	0.08	0.02	A	513	6155	1.57	-0.30	-0.05	A	1334	5334	0.01	0.01	0.00	A
8	MC	709	944	0.01	0.02	0.00	A	1274	379	0.00	-0.01	0.00	A	69	1584	6.06	2.58	0.29	A	361	1292	1.79	-0.48	-0.10	A
9	MC	709	944	1.91	0.42	0.06	A	1274	379	0.02	-0.05	-0.01	A	69	1584	4.13	-1.37	-0.22	A	361	1292	6.04	-0.81	-0.15	A
10	MC	709	944	0.04	0.05	0.01	A	1274	379	0.62	-0.23	-0.07	A	69	1584	2.10	0.89	0.17	A	361	1292	9.20	-0.93	-0.17	A
11	MC	709	944	0.77	0.22	0.05	A	1274	379	0.41	-0.19	-0.05	A	69	1584	0.01	0.05	0.01	A	361	1292	0.12	-0.10	-0.02	A
12	MC	709	944	0.64	0.21	0.04	A	1274	379	0.29	-0.16	-0.01	A	69	1584	0.73	0.54	0.10	A	361	1292	0.08	0.09	0.03	A
13	MC	709	944	0.23	0.15	0.01	A	1274	379	1.72	-0.51	-0.11	A	69	1584	0.71	-0.59	-0.09	A	361	1292	3.30	-0.62	-0.12	A
14	MC	709	944	0.46	-0.18	-0.04	A	1274	379	0.85	-0.29	-0.05	A	69	1584	0.97	0.62	0.11	A	361	1292	3.40	-0.59	-0.09	A
15	MC	709	944	3.40	0.53	0.08	A	1274	379	5.54	0.81	0.12	A	69	1584	1.42	-0.73	-0.13	A	361	1292	0.04	-0.06	-0.02	A
16	MC	709	944	1.03	-0.27	-0.04	A	1274	379	3.17	0.58	0.08	A	69	1584	1.21	-0.71	-0.12	A	361	1292	2.10	0.47	0.08	A
17	MC	709	944	0.21	-0.14	-0.03	A	1274	379	0.08	0.11	0.06	A	69	1584	0.36	0.45	0.07	A	361	1292	1.35	0.45	0.09	A
18	MC	709	944	2.69	-0.41	-0.08	A	1274	379	0.81	0.27	0.05	A	69	1584	2.34	-0.98	-0.18	A	361	1292	1.23	0.34	0.07	A
19	MC	709	944	2.98	-0.46	-0.07	A	1274	379	0.54	0.23	0.07	A	69	1584	3.75	-1.46	-0.23	A	361	1292	0.02	0.05	0.00	A
20	MC	709	944	2.06	0.38	0.06	A	1274	379	0.50	-0.23	-0.01	A	69	1584	0.56	-0.45	-0.08	A	361	1292	1.10	-0.33	-0.06	A
21	MC	709	944	1.23	-0.30	-0.06	A	1274	379	0.33	-0.18	0.00	A	69	1584	0.03	-0.11	-0.02	A	361	1292	0.53	-0.25	-0.02	A
22	MC	709	944	2.04	-0.38	-0.07	A	1274	379	0.67	-0.25	-0.06	A	69	1584	0.37	-0.37	-0.07	A	361	1292	0.17	0.14	0.01	A
23	MC	709	944	0.04	-0.05	-0.01	A	1274	379	2.23	-0.44	-0.07	A	69	1584	11.48	1.96	0.40	C>	361	1292	0.09	0.09	0.02	A
24	MC	709	944	1.41	0.30	0.07	A	1274	379	1.77	-0.40	-0.09	A	69	1584	0.02	-0.08	-0.01	A	361	1292	0.05	-0.07	0.00	A
25	MC	709	944	1.74	0.33	0.07	A	1274	379	2.01	-0.43	-0.07	A	69	1584	0.55	-0.43	-0.09	A	361	1292	0.02	0.04	0.02	A
26	MC	709	944	0.21	0.12	0.02	A	1274	379	0.94	-0.29	-0.07	A	69	1584	2.36	-1.05	-0.18	A	361	1292	0.75	-0.30	-0.06	A
27	MC	709	944	0.34	0.15	0.03	A	1274	379	0.02	0.04	-0.02	A	69	1584	0.15	-0.23	-0.04	A	361	1292	0.04	0.06	0.00	A
28	MC	709	944	0.16	-0.10	-0.01	A	1274	379	0.61	-0.23	-0.04	A	69	1584	0.42	-0.42	-0.08	A	361	1292	2.08	0.44	0.08	A
29	MC	709	944	0.28	0.14	0.02	A	1274	379	0.06	-0.08	0.01	A	69	1584	0.80	0.52	0.10	A	361	1292	0.09	0.10	0.03	A
30	MC	709	944	2.13	0.36	0.07	A	1274	379	0.53	0.22	0.05	A	69	1584	0.05	-0.13	-0.03	A	361	1292	0.04	0.06	0.02	A
31	MC	720	973	0.02	-0.05	-0.01	A	1253	440	2.14	-0.63	-0.07	A	178	1515	2.61	1.10	0.12	A	326	1367	0.16	-0.17	-0.02	A
32	MC	720	973	2.44	0.47	0.07	A	1253	440	2.60	-0.56	-0.09	A	178	1515	0.62	0.39	0.05	A	326	1367	6.72	-0.88	-0.16	A
33	MC	720	973	1.67	-0.32	-0.06	A	1253	440	0.04	-0.05	-0.01	A	178	1515	0.10	0.12	0.02	A	326	1367	0.02	0.04	0.00	A
34	MC	720	973	0.27	0.13	0.02	A	1253	440	0.06	-0.07	-0.01	A	178	1515	1.12	0.44	0.08	A	326	1367	0.24	0.15	0.03	A
35	MC	720	973	0.20	0.11	0.02	A	1253	440	2.00	-0.40	-0.06	A	178	1515	3.83	0.77	0.15	A	326	1367	0.01	-0.03	0.00	A
36	MC	720	973	0.00	0.00	0.00	A	1253	440	0.42	-0.22	-0.04	A	178	1515	0.00	0.02	0.00	A	326	1367	13.21	-1.27	-0.22	B<
37	MC	720	973	2.24	0.40	0.08	A	1253	440	0.27	0.16	0.04	A	178	1515	0.00	0.03	0.01	A	326	1367	0.19	0.15	0.02	A
38	MC	720	973	0.55	0.25	0.04	A	1253	440	0.46	0.27	0.05	A	178	1515	0.06	-0.13	-0.02	A	326	1367	0.24	-0.21	-0.03	A
39	MC	720	973	2.47	-0.40	-0.08	A	1253	440	0.33	0.16	0.02	A	178	1515	0.27	-0.21	-0.04	A	326	1367	1.95	0.46	0.07	A
40	MC	720	973	0.00	0.01	0.00	A	1253	440	0.03	-0.05	-0.02	A	178	1515	0.43	0.29	0.05	A	326	1367	5.64	-0.78	-0.15	A
41	MC	720	973	3.01	-0.56	-0.09	A	1253	440	3.44	0.70	0.10	A	178	1515	0.39	0.31	0.05	A	326	1367	3.87	0.75	0.13	A
42	MC	720	973	2.65	0.40	0.08	A	1253	440	0.46	-0.19	-0.04	A	178	1515	6.56	1.07	0.19	A	326	1367	0.11	-0.10	-0.02	A
43	MC	720	973	0.37	-0.15	-0.03	A	1253	440	0.58	0.22	0.05	A	178	1515	0.48	-0.29	-0.05	A	326	1367	3.60	0.61	0.12	A
44	MC	720	973	5.72	0.61	0.11	A	1253	440	6.49	-0.74	-0.13	A	178	1515	2.56	0.67	0.12	A	326	1367	1.83	-0.43	-0.08	A
45	MC	720	973	10.48	0.83	0.14	A	1253	440	4.52	-0.62	-0.11	A	178	1515	5.44	1.00	0.17	A	326	1367	0.00	0.01	0.00	A
46	MC	720	973	3.68	0.48	0.09	A	1253	440	0.00	0.01	0.01	A	178	1515	2.02	0.57	0.10	A	326	1367	0.49	0.22	0.05	A
47	MC	720	973	0.38	-0.15	-0.04	A	1253	440	0.46	-0.19	-0.03	A	178	1515	0.32	0.23	0.05	A	326	1367	0.00	0.02	-0.01	A
48	MC	720	973	0.68	0.20	0.03	A	1253	440	0.02	0.04	0.02	A	178	1515	1.27	0.44	0.09	A	326	1367	0.74	-0.28	-0.07	A
49	MC	720	973	0.08	0.07	0.02	A	1253	440	0.19	-0.12	-0.03	A	178	1515	0.88	0.37	0.07	A	326	1367	1.21	0.35	0.07	A
50	MC	720	973	0.67	0.22	0.03	A	1253	440	0.04	0.06	0.01	A	178	1515	1.30	0.51	0.08	A	326	1367	0.00	-0.01	0.00	A
51	MC	720	973	0.13	-0.09	-0.02	A	1253	440	0.45	0.19	0.03	A	178	1515	1.37	-0.48	-0.09	A	326	1367	0.09	-0.10	-0.02	A

**Table F.28: DIF Statistics based on ELL Students for Items in Reading on Stage III**

Item	Item Type	Focal Group: Female							Focal Group: Hispanic							Focal Group: American Indian							Focal Group: Special Education						
		Reference Group: Male							Reference Group: Non-Hispanic							Reference Group: Non-American Indian							Reference Group: Non-Special Education						
		NF	NR	MHχ <sup>2</sup>	ΔMH	SMD	Flag		NF	NR	MHχ <sup>2</sup>	ΔMH	SMD	Flag		NF	NR	MHχ <sup>2</sup>	ΔMH	SMD	Flag		NF	NR	MHχ <sup>2</sup>	ΔMH	SMD	Flag	
52	MC	720	973	0.24	0.12	0.02	A		1253	440	0.02	0.04	-0.01	A		178	1515	0.10	0.12	0.02	A		326	1367	1.05	-0.34	-0.07	A	
53	MC	720	973	0.50	-0.18	-0.04	A		1253	440	0.00	-0.01	-0.01	A		178	1515	0.30	0.22	0.04	A		326	1367	0.43	-0.22	-0.04	A	
54	MC	698	991	3.93	-0.56	-0.09	A		1310	379	0.36	-0.21	-0.03	A		152	1537	0.06	0.12	0.02	A		301	1388	0.21	0.17	0.02	A	
55	MC	698	991	0.46	0.16	0.03	A		1310	379	0.51	-0.21	-0.04	A		152	1537	0.09	0.13	0.03	A		301	1388	0.34	-0.19	-0.04	A	
56	MC	698	991	4.07	0.55	0.09	A		1310	379	0.74	-0.28	-0.06	A		152	1537	4.47	-0.92	-0.17	A		301	1388	6.31	-0.87	-0.16	A	
57	MC	698	991	0.04	0.05	0.01	A		1310	379	0.03	-0.05	-0.01	A		152	1537	0.35	0.26	0.05	A		301	1388	5.07	-0.73	-0.16	A	
58	MC	698	991	2.46	0.39	0.07	A		1310	379	5.09	0.66	0.12	A		152	1537	0.36	0.26	0.05	A		301	1388	0.95	-0.31	-0.04	A	
59	MC	698	991	3.34	0.51	0.08	A		1310	379	0.28	-0.18	-0.04	A		152	1537	7.27	1.25	0.22	B>		301	1388	6.67	-0.86	-0.15	A	
60	MC	698	991	0.18	-0.11	-0.02	A		1310	379	0.92	0.29	0.05	A		152	1537	3.48	0.80	0.15	A		301	1388	0.10	0.11	0.02	A	
61	MC	698	991	0.22	-0.12	-0.02	A		1310	379	0.62	0.23	0.04	A		152	1537	2.28	0.63	0.12	A		301	1388	0.30	0.19	0.02	A	
62	MC	698	991	1.16	0.25	0.05	A		1310	379	6.37	0.70	0.15	A		152	1537	0.26	-0.20	-0.04	A		301	1388	3.11	-0.55	-0.12	A	
63	MC	698	991	3.79	0.49	0.10	A		1310	379	0.24	0.14	0.02	A		152	1537	0.29	0.23	0.04	A		301	1388	2.93	-0.57	-0.10	A	
64	MC	698	991	0.01	-0.03	0.00	A		1310	379	0.40	-0.19	-0.04	A		152	1537	0.82	-0.39	-0.07	A		301	1388	1.46	-0.41	-0.08	A	
65	MC	698	991	10.51	0.85	0.16	A		1310	379	0.33	-0.17	-0.05	A		152	1537	0.02	0.06	0.01	A		301	1388	0.80	0.32	0.06	A	
66	MC	698	991	5.68	0.60	0.11	A		1310	379	1.01	0.30	0.06	A		152	1537	0.87	-0.40	-0.08	A		301	1388	4.77	-0.73	-0.14	A	
67	MC	698	991	9.34	0.74	0.15	A		1310	379	0.02	0.04	0.01	A		152	1537	1.89	-0.61	-0.12	A		301	1388	0.49	-0.23	-0.05	A	
68	MC	698	991	9.09	0.79	0.13	A		1310	379	0.24	-0.15	-0.02	A		152	1537	2.68	0.72	0.13	A		301	1388	0.02	0.05	0.02	A	
69	MC	698	991	4.13	0.53	0.09	A		1310	379	0.18	0.13	0.03	A		152	1537	4.64	0.93	0.17	A		301	1388	0.51	-0.24	-0.04	A	
70	MC	698	991	5.39	0.60	0.12	A		1310	379	0.12	0.11	0.02	A		152	1537	0.55	-0.35	-0.06	A		301	1388	0.01	0.04	0.00	A	
71	MC	698	991	6.96	-0.70	-0.13	A		1310	379	2.59	0.51	0.10	A		152	1537	5.24	-1.19	-0.19	A		301	1388	0.76	-0.32	-0.04	A	
72	MC	698	991	0.54	-0.19	-0.04	A		1310	379	1.31	-0.35	-0.05	A		152	1537	0.78	-0.41	-0.07	A		301	1388	1.61	-0.47	-0.08	A	
73	MC	698	991	0.48	-0.18	-0.03	A		1310	379	0.21	-0.14	-0.02	A		152	1537	2.16	-0.70	-0.12	A		301	1388	0.42	0.23	0.04	A	
74	MC	698	991	5.19	0.56	0.11	A		1310	379	1.01	0.30	0.06	A		152	1537	0.78	-0.38	-0.07	A		301	1388	0.09	0.10	0.03	A	
75	MC	698	991	1.48	-0.31	-0.06	A		1310	379	0.67	-0.24	-0.04	A		152	1537	0.33	0.25	0.04	A		301	1388	0.14	0.13	0.03	A	
76	MC	698	991	1.06	0.26	0.05	A		1310	379	2.11	0.43	0.08	A		152	1537	0.61	-0.34	-0.06	A		301	1388	7.12	-0.91	-0.15	A	
77	MC	692	941	0.07	-0.11	-0.01	A		1356	277	0.22	0.25	0.01	A		114	1519	0.60	-0.56	-0.07	A		346	1287	6.59	-1.10	-0.17	A	
78	MC	692	941	2.04	0.39	0.06	A		1356	277	0.37	0.23	0.04	A		114	1519	0.01	-0.04	-0.01	A		346	1287	6.07	-0.79	-0.15	A	
79	MC	692	941	7.08	0.75	0.12	A		1356	277	1.14	0.40	0.06	A		114	1519	1.75	0.73	0.11	A		346	1287	5.43	-0.75	-0.14	A	
80	MC	692	941	1.47	-0.30	-0.06	A		1356	277	1.12	-0.36	-0.06	A		114	1519	4.11	-0.95	-0.19	A		346	1287	6.81	-0.79	-0.16	A	
81	MC	692	941	2.57	-0.39	-0.08	A		1356	277	0.39	0.20	0.04	A		114	1519	0.71	-0.40	-0.08	A		346	1287	1.28	-0.34	-0.07	A	
82	MC	692	941	3.24	-0.47	-0.08	A		1356	277	0.57	-0.26	-0.03	A		114	1519	0.34	0.30	0.05	A		346	1287	1.84	-0.44	-0.07	A	
83	MC	692	941	12.07	0.98	0.15	A		1356	277	0.24	-0.18	-0.04	A		114	1519	0.00	-0.02	0.00	A		346	1287	5.73	-0.78	-0.15	A	
84	MC	692	941	12.09	1.05	0.15	B>		1356	277	0.02	0.05	0.01	A		114	1519	1.87	-0.76	-0.12	A		346	1287	2.08	-0.48	-0.08	A	
85	MC	692	941	2.71	0.43	0.07	A		1356	277	0.11	0.12	0.03	A		114	1519	1.61	0.71	0.12	A		346	1287	9.72	-0.95	-0.19	A	
86	MC	692	941	2.88	0.43	0.08	A		1356	277	0.63	0.27	0.05	A		114	1519	0.00	-0.02	0.00	A		346	1287	0.91	0.30	0.05	A	
87	MC	692	941	0.04	0.05	0.00	A		1356	277	1.53	-0.40	-0.08	A		114	1519	1.97	-0.66	-0.13	A		346	1287	0.76	0.27	0.05	A	
88	MC	692	941	3.60	-0.49	-0.09	A		1356	277	1.18	-0.38	-0.06	A		114	1519	0.16	0.20	0.04	A		346	1287	0.19	0.14	0.03	A	
89	MC	692	941	1.41	0.30	0.06	A		1356	277	1.10	-0.34	-0.07	A		114	1519	0.68	-0.39	-0.08	A		346	1287	1.44	0.37	0.07	A	
90	MC	692	941	2.99	0.44	0.08	A		1356	277	4.79	-0.74	-0.14	A		114	1519	0.56	0.36	0.07	A		346	1287	0.13	-0.11	-0.03	A	
91	MC	692	941	2.28	-0.48	-0.07	A		1356	277	0.80	-0.36	-0.04	A		114	1519	5.07	1.19	0.22	A		346	1287	0.62	0.30	0.05	A	
92	MC	692	941	5.09	0.58	0.11	A		1356	277	0.04	0.07	0.02	A		114	1519	0.73	0.41	0.08	A		346	1287	0.40	-0.20	-0.04	A	
93	MC	692	941	1.22	0.29	0.05	A		1356	277	0.01	-0.04	0.01	A		114	1519	0.06	-0.13	-0.02	A		346	1287	0.56	0.24	0.04	A	
94	MC	692	941	0.25	-0.12	-0.03	A		1356	277	0.91	-0.31	-0.06	A		114	1519	2.94	-0.82	-0.16	A		346	1287	1.17	-0.34	-0.07	A	
95	MC	692	941	1.48	-0.32	-0.06	A		1356	277	2.56	-0																	

**Table F.28: DIF Statistics based on ELL Students for Items in Reading on Stage III**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
103	SA1	709	944	1.57	-0.32	-0.07	A	1274	379	0.01	-0.03	0.00	A	69	1584	0.13	0.21	0.04	A	361	1292	0.49	0.22	0.04	A
104	SA1	709	944	23.19	-1.41	-0.23	B<	1274	379	12.83	-1.12	-0.19	B<	69	1584	0.19	-0.33	-0.05	A	361	1292	7.97	-1.15	-0.13	B<
105	SA1	709	944	14.37	-1.31	-0.20	B<	1274	379	1.50	-0.47	-0.03	A	69	1584	0.24	-0.45	-0.06	A	361	1292	14.19	-2.18	-0.18	C<
106	SA1	720	973	0.01	-0.03	-0.01	A	1253	440	3.18	-0.57	-0.09	A	178	1515	0.51	0.32	0.05	A	326	1367	0.12	-0.14	-0.02	A
107	SA1	720	973	0.39	-0.33	-0.03	A	1253	440	0.09	-0.17	-0.02	A	178	1515	0.02	0.13	0.01	A	326	1367	3.60	-1.54	-0.12	A
108	SA1	720	973	4.43	-0.68	-0.11	A	1253	440	0.25	-0.17	-0.03	A	178	1515	1.97	-0.74	-0.11	A	326	1367	3.07	-0.87	-0.09	A
109	SA1	720	973	3.14	-0.67	-0.09	A	1253	440	0.14	-0.15	-0.01	A	178	1515	2.76	-1.11	-0.13	A	326	1367	4.48	-1.28	-0.12	A
110	SA1	698	991	0.83	-0.25	-0.04	A	1310	379	0.08	-0.09	-0.01	A	152	1537	4.93	-1.19	-0.18	A	301	1388	0.72	0.31	0.05	A
111	SA1	698	991	0.14	-0.09	-0.02	A	1310	379	0.77	-0.25	-0.05	A	152	1537	5.63	-0.99	-0.20	A	301	1388	2.00	-0.46	-0.10	A
112	SA1	698	991	2.73	-0.44	-0.07	A	1310	379	1.54	0.39	0.06	A	152	1537	0.01	-0.04	-0.01	A	301	1388	5.94	-0.92	-0.13	A
113	SA1	698	991	3.68	-0.56	-0.09	A	1310	379	0.03	0.06	0.02	A	152	1537	0.16	0.20	0.03	A	301	1388	8.16	-1.31	-0.16	B<
114	SA1	692	941	7.66	-0.69	-0.13	A	1356	277	8.27	-0.92	-0.19	A	114	1519	0.01	0.06	0.01	A	346	1287	0.00	-0.01	0.01	A
115	SA1	692	941	1.38	0.29	0.06	A	1356	277	0.24	0.16	0.00	A	114	1519	0.25	0.24	0.05	A	346	1287	1.31	-0.35	-0.07	A
116	SA1	692	941	17.32	-1.27	-0.21	B<	1356	277	7.36	-1.01	-0.15	B<	114	1519	6.06	-1.65	-0.23	A	346	1287	1.19	-0.45	-0.06	A
117	SA1	692	941	16.16	-1.20	-0.21	B<	1356	277	1.89	-0.50	-0.10	A	114	1519	2.30	-0.88	-0.14	A	346	1287	3.30	-0.74	-0.10	A

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,

$\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.29: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage III**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish							Focal Group: Spanish Reference Group: English							Focal Group: Non-Spanish Reference Group: English							Focal Group: American Indian Reference Group: English						
		NF	NR	MHχ²	ΔMH	SMD	Flag		NF	NR	MHχ²	ΔMH	SMD	Flag		NF	NR	MHχ²	ΔMH	SMD	Flag		NF	NR	MHχ²	ΔMH	SMD	Flag	
1	MC	5436	1232	1.22	-0.21	-0.03	A		5436	671	0.54	-0.18	-0.03	A		561	671	0.01	0.04	0.00	A		103	671	1.07	0.73	0.09	A	
2	MC	5436	1232	3.61	-0.30	-0.06	A		5436	671	3.97	-0.39	-0.08	A		561	671	0.53	-0.21	-0.04	A		103	671	1.27	0.58	0.11	A	
3	MC	5436	1232	4.62	0.41	0.06	A		5436	671	2.24	0.36	0.05	A		561	671	0.06	-0.09	-0.01	A		103	671	0.06	-0.15	-0.03	A	
4	MC	5436	1232	1.59	-0.20	-0.04	A		5436	671	1.92	0.28	0.05	A		561	671	12.20	0.99	0.20	A		103	671	0.93	0.51	0.11	A	
5	MC	5436	1232	0.17	-0.07	-0.01	A		5436	671	0.03	-0.04	-0.01	A		561	671	0.00	0.01	0.01	A		103	671	0.07	-0.16	-0.02	A	
6	MC	5436	1232	0.38	0.10	0.02	A		5436	671	1.59	0.28	0.05	A		561	671	1.60	0.39	0.08	A		103	671	0.05	-0.13	-0.03	A	
7	MC	5436	1232	1.25	0.18	0.03	A		5436	671	4.00	0.42	0.08	A		561	671	3.63	0.56	0.10	A		103	671	0.21	0.24	0.05	A	
8	MC	1376	277	0.07	-0.11	-0.03	A		1376	155	1.63	-0.74	-0.11	A		122	155	2.67	-1.33	-0.20	A		7	155	1.40		0.44		
9	MC	1376	277	0.10	-0.13	-0.02	A		1376	155	0.12	0.17	0.02	A		122	155	1.16	0.81	0.13	A		7	155	3.92		0.67		
10	MC	1376	277	1.27	-0.36	-0.08	A		1376	155	0.84	-0.37	-0.07	A		122	155	0.02	0.09	0.03	A		7	155	0.03	0.33	0.06	A	
11	MC	1376	277	0.13	0.12	0.03	A		1376	155	0.21	0.19	0.04	A		122	155	0.04	0.12	0.04	A		7	155	0.90	2.23	0.36	A	
12	MC	1376	277	3.60	-0.63	-0.11	A		1376	155	2.16	-0.63	-0.12	A		122	155	0.03	-0.10	-0.05	A		7	155	0.44	-1.21	-0.26	A	
13	MC	1376	277	0.08	-0.11	-0.03	A		1376	155	1.49	0.57	0.09	A		122	155	6.79	2.03	0.28	C>		7	155	0.87	1.95	0.33	A	
14	MC	1376	277	0.01	0.04	0.01	A		1376	155	0.45	0.32	0.05	A		122	155	0.77	0.57	0.07	A		7	155	0.20	-0.81	-0.14	A	
15	MC	1376	277	0.02	-0.06	-0.01	A		1376	155	0.06	-0.11	-0.02	A		122	155	0.07	-0.19	-0.04	A		7	155	3.07	-4.36	-0.56	A	
16	MC	1376	277	0.09	-0.10	-0.02	A		1376	155	0.37	-0.27	-0.05	A		122	155	0.32	-0.38	-0.06	A		7	155	1.36	3.40	0.39	A	
17	MC	1376	277	0.15	0.17	0.03	A		1376	155	0.03	0.10	0.02	A		122	155	0.04	-0.15	-0.02	A		7	155	1.32		-0.45		
18	MC	1376	277	3.23	0.61	0.13	A		1376	155	3.08	0.78	0.14	A		122	155	0.03	0.12	0.03	A		7	155	0.27	1.15	0.19	A	
19	MC	1376	277	2.26	-0.51	-0.09	A		1376	155	1.95	-0.60	-0.12	A		122	155	0.33	-0.36	-0.06	A		7	155	1.40	-3.09	-0.47	A	
20	MC	1376	277	1.10	-0.37	-0.06	A		1376	155	0.03	0.07	0.01	A		122	155	2.43	1.04	0.18	A		7	155	0.01	0.15	0.02	A	
21	MC	1376	277	0.00	0.01	0.01	A		1376	155	0.02	0.06	0.02	A		122	155	0.01	0.07	0.04	A		7	155	2.87	2.81	0.66	A	
22	MC	1376	277	1.39	0.41	0.08	A		1376	155	5.72	1.09	0.19	A		122	155	5.19	1.50	0.27	A		7	155	0.13	0.77	0.13	A	
23	MC	1376	277	1.98	-0.46	-0.09	A		1376	155	1.88	-0.56	-0.11	A		122	155	0.15	-0.24	-0.01	A		7	155	0.54	-1.67	-0.28	A	
24	MC	1376	277	0.45	-0.23	-0.04	A		1376	155	0.69	0.37	0.06	A		122	155	4.35	1.33	0.24	A		7	155	2.76	2.94	0.59	A	
25	MC	1376	277	1.77	0.45	0.09	A		1376	155	6.89	1.20	0.21	B>		122	155	6.08	1.54	0.26	A		7	155	0.91	1.32	0.34	A	
26	MC	1376	277	3.53	-0.63	-0.12	A		1376	155	0.01	-0.04	0.00	A		122	155	4.59	1.32	0.26	A		7	155	0.30	-1.34	-0.20	A	
27	MC	1376	277	0.64	-0.27	-0.05	A		1376	155	0.08	-0.13	-0.03	A		122	155	0.17	0.26	0.05	A		7	155	0.01	0.20	0.04	A	
28	MC	1376	277	0.00	-0.01	0.01	A		1376	155	3.18	0.77	0.14	A		122	155	7.73	1.77	0.33	C>		7	155	0.80	2.30	0.32	A	
29	MC	1376	277	0.04	-0.07	0.00	A		1376	155	0.48	0.33	0.05	A		122	155	1.32	0.76	0.12	A		7	155	1.54	2.96	0.44	A	
30	MC	1376	277	0.66	0.27	0.05	A		1376	155	0.06	0.10	0.02	A		122	155	0.25	-0.31	-0.05	A		7	155	0.09	-0.59	-0.11	A	
31	MC	1335	358	1.09	-0.48	-0.06	A		1335	180	1.45	-0.76	-0.10	A		178	180	0.35	-0.51	-0.08	A		48	180	3.79		0.26		
32	MC	1335	358	0.26	-0.19	-0.02	A		1335	180	2.33	0.70	0.10	A		178	180	7.63	1.88	0.26	C>		48	180	2.46	1.79	0.19	A	
33	MC	1335	358	0.01	0.03	0.00	A		1335	180	0.69	-0.34	-0.07	A		178	180	1.85	-0.73	-0.14	A		48	180	0.66	-0.70	-0.12	A	
34	MC	1335	358	0.23	-0.14	-0.03	A		1335	180	0.71	-0.34	-0.07	A		178	180	0.60	-0.43	-0.08	A		48	180	0.12	-0.30	-0.04	A	
35	MC	1335	358	0.84	-0.28	-0.05	A		1335	180	0.75	-0.34	-0.06	A		178	180	0.02	-0.08	-0.02	A		48	180	1.11	0.87	0.19	A	
36	MC	1335	358	2.77	0.59	0.08	A		1335	180	0.88	0.43	0.06	A		178	180	0.03	-0.11	-0.04	A		48	180	0.01	-0.12	-0.04	A	
37	MC	1335	358	0.14	-0.12	-0.02	A		1335	180	0.77	-0.37	-0.06	A		178	180	0.74	-0.50	-0.08	A		48	180	1.23	-0.96	-0.19	A	
38	MC	1335	358	2.40	-0.60	-0.09	A		1335	180	1.42	-0.61	-0.09	A		178	180	0.01	-0.07	0.00	A		48	180	2.19	-2.02	-0.24	A	
39	MC	1335	358	1.92	0.43	0.08	A		1335	180	0.30	0.22	0.04	A		178	180	0.74	-0.48	-0.09	A		48	180	0.03	0.15	0.03	A	
40	MC	1335	358	2.06	0.45	0.08	A		1335	180	2.59	0.67	0.11	A		178	180	0.52	0.41	0.07	A		48	180	0.15	-0.34	-0.06	A	
41	MC	1335	358	1.41	0.47	0.07	A		1335	180	0.73	0.46	0.07	A		178	180	0.03	-0.12	0.00	A		48	180	0.08	0.31	0.06	A	
42	MC	1335	358	0.32	-0.17	-0.03	A		1335	180	0.58	-0.31	-0.06	A		178	180	0.35	-0.32	-0.07	A		48	180	0.03	0.17	0.03	A	
43	MC	1335	358	3.19	0.57	0.11	A		1335	180	1.63	0.54	0.10	A		178	180	0.01	-0.06	-0.02	A		48	180	0.26	0.43	0.09	A	
44	MC	1335	358	0.01	0.03	0.01	A		1335	180	0.58	0.32	0.06	A		178	180	0.93	0.52	0.09	A		48	180	0.21	-0.37	-0.09	A	
45	MC	1335	358	0.06	-0.07	-0.02	A		1335	180	1.65	0.52	0.08	A		178	180	4.98	1.23	0.20	A		48	180	1.66	1.16	0.19	A	
46	MC	1335	358	0.34	0.18	0.03	A		1335	180	0.92	0.38	0.07	A		178	180	1.11	0.58	0.09	A		48	180	3.67	1.71	0.30	A	
47	MC	1335	358	1.32	-0.34	-0.06	A		1335	18																			

**Table F.29: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage III**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
52	MC	1335	358	0.01	-0.03	-0.01	A	1335	180	0.16	0.16	0.03	A	178	180	0.56	0.40	0.08	A	48	180	0.18	-0.34	-0.07	A
53	MC	1335	358	0.02	0.05	0.01	A	1335	180	0.42	-0.26	-0.06	A	178	180	1.36	-0.65	-0.14	A	48	180	1.13	-0.95	-0.18	A
54	MC	1369	320	5.35	-0.89	-0.13	A	1369	166	3.57	-0.98	-0.15	A	154	166	0.04	-0.15	-0.04	A	41	166	0.02	0.18	0.02	A
55	MC	1369	320	0.52	-0.22	-0.04	A	1369	166	0.21	0.18	0.03	A	154	166	2.40	0.86	0.15	A	41	166	0.44	0.57	0.11	A
56	MC	1369	320	0.06	0.08	0.00	A	1369	166	0.30	0.23	0.04	A	154	166	0.59	0.47	0.08	A	41	166	1.14	1.08	0.18	A
57	MC	1369	320	0.23	0.15	0.03	A	1369	166	0.02	-0.06	0.00	A	154	166	0.88	-0.54	-0.09	A	41	166	0.98	-0.85	-0.16	A
58	MC	1369	320	4.86	0.68	0.12	A	1369	166	2.39	0.64	0.12	A	154	166	0.00	-0.02	-0.03	A	41	166	0.05	-0.18	-0.04	A
59	MC	1369	320	0.05	-0.08	-0.01	A	1369	166	0.02	-0.07	0.00	A	154	166	0.04	0.13	0.02	A	41	166	1.01	1.01	0.16	A
60	MC	1369	320	0.01	-0.04	-0.01	A	1369	166	0.73	0.36	0.06	A	154	166	1.86	0.79	0.16	A	41	166	4.52	1.80	0.36	A
61	MC	1369	320	3.40	-0.57	-0.11	A	1369	166	4.66	-0.89	-0.15	A	154	166	1.20	-0.61	-0.11	A	41	166	1.24	0.99	0.17	A
62	MC	1369	320	2.71	0.49	0.09	A	1369	166	1.71	0.52	0.11	A	154	166	0.00	-0.03	0.02	A	41	166	0.26	0.43	0.08	A
63	MC	1369	320	0.02	0.04	0.00	A	1369	166	1.36	-0.47	-0.09	A	154	166	3.16	-0.97	-0.22	A	41	166	3.63	-1.67	-0.35	A
64	MC	1369	320	0.00	0.00	0.01	A	1369	166	0.02	-0.06	-0.01	A	154	166	0.10	-0.19	-0.03	A	41	166	0.14	0.37	0.06	A
65	MC	1369	320	0.88	0.31	0.05	A	1369	166	0.04	0.09	-0.01	A	154	166	0.78	-0.53	-0.11	A	41	166	0.64	0.72	0.14	A
66	MC	1369	320	0.09	0.09	0.01	A	1369	166	0.00	0.02	-0.01	A	154	166	0.01	-0.05	-0.01	A	41	166	0.75	0.81	0.15	A
67	MC	1369	320	0.47	-0.21	-0.04	A	1369	166	0.67	0.34	0.08	A	154	166	4.69	1.22	0.24	A	41	166	3.52	1.61	0.32	A
68	MC	1369	320	0.79	-0.30	-0.04	A	1369	166	0.12	-0.16	-0.02	A	154	166	0.23	0.30	0.02	A	41	166	0.00	0.06	0.00	A
69	MC	1369	320	0.11	-0.11	-0.02	A	1369	166	0.03	0.07	0.01	A	154	166	0.49	0.41	0.09	A	41	166	3.45	1.76	0.31	A
70	MC	1369	320	0.77	-0.28	-0.05	A	1369	166	0.14	-0.16	-0.01	A	154	166	0.19	0.25	0.07	A	41	166	0.01	-0.07	-0.02	A
71	MC	1369	320	0.09	0.10	0.02	A	1369	166	0.52	-0.30	-0.07	A	154	166	2.69	-0.99	-0.18	A	41	166	4.48	-2.31	-0.37	A
72	MC	1369	320	0.39	0.21	0.03	A	1369	166	2.93	0.77	0.14	A	154	166	5.28	1.41	0.27	A	41	166	0.16	0.38	0.08	A
73	MC	1369	320	0.24	0.16	0.04	A	1369	166	1.55	0.56	0.12	A	154	166	2.45	0.95	0.17	A	41	166	0.01	0.09	0.01	A
74	MC	1369	320	0.60	0.24	0.06	A	1369	166	2.80	0.72	0.15	A	154	166	2.73	0.96	0.20	A	41	166	0.63	0.70	0.14	A
75	MC	1369	320	0.01	-0.03	0.01	A	1369	166	0.44	0.29	0.07	A	154	166	1.76	0.74	0.13	A	41	166	1.28	0.91	0.19	A
76	MC	1369	320	2.20	0.46	0.08	A	1369	166	2.07	0.59	0.11	A	154	166	0.49	0.40	0.07	A	41	166	0.36	0.53	0.10	A
77	MC	1356	277	0.00	0.02	0.00	A	1356	170	0.12	0.24	0.03	A	107	170	0.34	0.63	0.07	A	7	170	7.84	-4.24	-1.10	C<
78	MC	1356	277	0.04	0.07	0.01	A	1356	170	0.00	0.01	0.02	A	107	170	0.01	-0.05	0.00	A	7	170	3.05	-3.10	-0.64	A
79	MC	1356	277	1.87	0.52	0.09	A	1356	170	2.08	0.69	0.14	A	107	170	0.45	0.49	0.09	A	7	170	0.92	-2.38	-0.29	A
80	MC	1356	277	0.00	0.00	0.00	A	1356	170	0.28	0.21	0.04	A	107	170	0.92	0.61	0.11	A	7	170	3.28	-3.79	-0.69	A
81	MC	1356	277	1.21	-0.35	-0.08	A	1356	170	0.35	-0.23	-0.08	A	107	170	0.25	0.30	0.04	A	7	170	2.36	-3.08	-0.58	A
82	MC	1356	277	0.15	-0.14	0.00	A	1356	170	0.24	0.22	0.06	A	107	170	1.98	1.01	0.16	A	7	170	0.29	0.96	0.19	A
83	MC	1356	277	0.22	0.17	0.02	A	1356	170	1.06	0.46	0.06	A	107	170	1.11	0.76	0.10	A	7	170	0.02	-0.46	-0.03	A
84	MC	1356	277	0.63	0.32	0.05	A	1356	170	1.53	0.60	0.09	A	107	170	1.03	0.79	0.10	A	7	170	6.04	-5.65	-0.81	A
85	MC	1356	277	2.39	0.53	0.11	A	1356	170	1.15	0.45	0.10	A	107	170	0.06	-0.15	-0.03	A	7	170	0.15	0.89	0.15	A
86	MC	1356	277	0.67	0.27	0.04	A	1356	170	2.10	0.61	0.08	A	107	170	1.42	0.74	0.14	A	7	170	0.40	1.18	0.26	A
87	MC	1356	277	4.81	-0.71	-0.14	A	1356	170	0.23	-0.20	-0.02	A	107	170	4.06	1.22	0.25	A	7	170	0.24	-0.84	-0.20	A
88	MC	1356	277	0.09	0.10	0.02	A	1356	170	1.60	0.52	0.07	A	107	170	2.94	1.12	0.18	A	7	170	3.24	5.53	0.66	A
89	MC	1356	277	0.98	0.33	0.06	A	1356	170	3.75	0.81	0.14	A	107	170	3.50	1.16	0.21	A	7	170	0.86	1.55	0.33	A
90	MC	1356	277	0.07	-0.09	-0.02	A	1356	170	1.44	0.51	0.09	A	107	170	5.21	1.47	0.26	A	7	170	4.96	4.69	0.82	A
91	MC	1356	277	0.07	-0.11	-0.01	A	1356	170	0.02	0.08	0.02	A	107	170	0.37	0.46	0.07	A	7	170	2.58	3.09	0.66	A
92	MC	1356	277	0.84	0.32	0.06	A	1356	170	0.03	0.07	0.00	A	107	170	1.03	-0.68	-0.13	A	7	170	0.00	-0.05	-0.01	A
93	MC	1356	277	1.79	-0.45	-0.08	A	1356	170	3.49	-0.76	-0.13	A	107	170	1.12	-0.68	-0.13	A	7	170	0.17	-0.90	-0.16	A
94	MC	1356	277	0.73	-0.28	-0.06	A	1356	170	0.12	-0.14	-0.03	A	107	170	0.34	0.36	0.08	A	7	170	0.19	0.92	0.18	A
95	MC	1356	277	3.20	-0.60	-0.11	A	1356	170	2.82	-0.69	-0.14	A	107	170	0.12	-0.22	-0.04	A	7	170	0.44	1.28	0.26	A
96	MC	1356	277	0.00	0.02	0.01	A	1356	170	0.39	0.29	0.06	A	107	170	0.68	0.57	0.11	A	7	170	0.16	-0.97	-0.13	A
97	MC	1356	277	0.36	0.22	0.05	A	1356	170	0.00	-0.02	0.03	A	107	170	0.58	-0.54	-0.07	A	7	170	4.21	4.03	0.77	A
98	MC	1356	277	1.33	0.40	0.08	A	1356	170	0.06	-0.10	-0.01	A	107	170	4.07	-1.38	-0.25	A	7	170	0.97	-2.74	-0.39	A
99	MC	1356	277	2.55	0.56	0.12	A	1356	170	3.21	0.78	0.16	A	107	170	1.03	0.67	0.12	A	7	170	5.09	4.81	0.85	A
100	SA1	5436	1232	2.95	0.29	0.06	A	5436	671	0.03	0.04	0.01	A	561	671	2.55	-0.50	-0.09	A	103	671	0.01	-0.05	-0.01	A
101	SA1	5436	1232	0.00	0.00	0.00	A	5436	671	0.00	-0.02	0.00	A	561	671	0.02	-0.05	0.00	A	103	671	0.12	0.21	0.04	A
102	SA1	1376	277	0.41	-0.24	-0.04	A	1376	155	0.29	-0.25	-0.05	A	122	155	0.00	-0.05	-0.01	A	7	155	0.74	2.65	0.31	A

**Table F.29: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage III**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
103	SA1	1376	277	0.01	0.04	0.00	A	1376	155	0.42	-0.27	-0.05	A	122	155	0.95	-0.60	-0.12	A	7	155	0.84	1.71	0.36	A
104	SA1	1376	277	2.82	-0.60	-0.10	A	1376	155	0.05	0.11	0.02	A	122	155	5.23	1.50	0.27	A	7	155	3.37	3.48	0.69	A
105	SA1	1376	277	0.01	-0.04	-0.01	A	1376	155	0.07	-0.15	-0.02	A	122	155	0.06	-0.20	-0.02	A	7	155	0.01	-0.22	-0.04	A
106	SA1	1335	358	0.11	-0.11	-0.02	A	1335	180	0.06	0.11	0.02	A	178	180	0.76	0.55	0.09	A	48	180	2.62	1.39	0.28	A
107	SA1	1335	358	4.23	-1.15	-0.12	A	1335	180	2.19	-1.09	-0.12	A	178	180	0.02	0.14	0.01	A	48	180	1.84	1.63	0.24	A
108	SA1	1335	358	0.10	0.12	0.01	A	1335	180	0.68	0.43	0.06	A	178	180	0.84	0.63	0.10	A	48	180	0.70	0.79	0.15	A
109	SA1	1335	358	0.54	-0.32	-0.04	A	1335	180	0.36	-0.35	-0.04	A	178	180	0.00	-0.04	0.01	A	48	180	0.62	-0.95	-0.14	A
110	SA1	1369	320	1.32	-0.38	-0.06	A	1369	166	0.43	-0.29	-0.05	A	154	166	0.12	0.20	0.05	A	41	166	0.34	-0.57	-0.09	A
111	SA1	1369	320	1.14	-0.32	-0.07	A	1369	166	0.60	-0.30	-0.07	A	154	166	0.00	0.02	0.03	A	41	166	0.37	-0.52	-0.10	A
112	SA1	1369	320	2.18	0.49	0.08	A	1369	166	0.10	-0.14	-0.02	A	154	166	4.49	-1.31	-0.20	A	41	166	3.95	-1.96	-0.32	A
113	SA1	1369	320	0.16	-0.14	-0.02	A	1369	166	0.33	-0.27	-0.05	A	154	166	0.43	-0.42	-0.08	A	41	166	0.01	0.11	0.00	A
114	SA1	1356	277	0.00	0.00	0.00	A	1356	170	1.25	0.47	0.11	A	107	170	3.53	1.16	0.24	A	7	170	0.44	1.13	0.24	A
115	SA1	1356	277	0.21	0.15	0.02	A	1356	170	1.45	0.49	0.08	A	107	170	1.33	0.71	0.16	A	7	170	1.01	1.98	0.43	A
116	SA1	1356	277	1.93	-0.53	-0.08	A	1356	170	0.51	-0.34	-0.05	A	107	170	0.38	0.43	0.07	A	7	170	1.11	-2.85	-0.43	A
117	SA1	1356	277	0.86	-0.34	-0.06	A	1356	170	0.16	-0.19	-0.02	A	107	170	0.38	0.40	0.06	A	7	170	0.93	-2.43	-0.37	A

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group. Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.30: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Reading on Stage III**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL							Focal Group: FEP Reference Group: ELL							Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)						
		NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag		NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag		NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag	
1	MC	6668	1991	1.65	-0.26	-0.02	A		479	6668	5.07	1.10	0.07	A		7594	1031	0.53	0.17	0.03	A	
2	MC	6668	1991	1.88	-0.19	0.00	A		479	6668	0.25	0.12	0.02	A		7594	1031	0.33	-0.10	-0.01	A	
3	MC	6668	1991	0.56	-0.15	-0.01	A		479	6668	6.90	1.34	0.07	B>		7594	1031	0.07	0.06	0.01	A	
4	MC	6668	1991	5.22	-0.32	-0.03	A		479	6668	10.50	0.83	0.16	A		7594	1031	0.30	-0.09	0.00	A	
5	MC	6668	1991	1.81	-0.21	-0.01	A		479	6668	10.40	0.93	0.12	A		7594	1031	0.02	-0.02	0.00	A	
6	MC	6668	1991	16.45	-0.57	-0.06	A		479	6668	4.78	0.52	0.11	A		7594	1031	3.67	-0.32	-0.05	A	
7	MC	6668	1991	23.76	-0.70	-0.06	A		479	6668	11.40	0.84	0.17	A		7594	1031	3.00	-0.31	-0.03	A	
8	MC	1653	560	5.20	-0.96	-0.10	A		107	1653	0.19	0.39	0.04	A		1908	294	1.56	-0.61	-0.09	A	
9	MC	1653	560	1.38	-0.44	-0.05	A		107	1653	0.90	0.90	0.06	A		1908	294	2.05	-0.66	-0.09	A	
10	MC	1653	560	4.73	-0.61	-0.04	A		107	1653	10.73	2.01	0.30	C>		1908	294	0.06	-0.08	0.00	A	
11	MC	1653	560	4.52	-0.59	-0.06	A		107	1653	0.06	0.13	0.02	A		1908	294	4.93	-0.77	-0.12	A	
12	MC	1653	560	0.05	-0.06	0.11	A		107	1653	0.65	-0.41	-0.08	A		1908	294	0.30	-0.18	-0.01	A	
13	MC	1653	560	1.09	-0.44	-0.01	A		107	1653	0.50	0.71	0.05	A		1908	294	0.54	0.35	0.06	A	
14	MC	1653	560	5.18	-0.69	-0.07	A		107	1653	0.01	0.05	0.02	A		1908	294	3.25	-0.68	-0.06	A	
15	MC	1653	560	5.24	-0.79	-0.15	A		107	1653	1.12	0.83	0.08	A		1908	294	0.17	-0.17	-0.04	A	
16	MC	1653	560	0.93	0.31	0.05	A		107	1653	0.92	0.69	0.08	A		1908	294	0.62	-0.31	-0.05	A	
17	MC	1653	560	3.35	-0.58	-0.01	A		107	1653	0.67	0.49	0.09	A		1908	294	0.03	0.06	0.04	A	
18	MC	1653	560	3.88	-0.51	-0.02	A		107	1653	4.04	-1.04	-0.21	A		1908	294	0.15	-0.12	-0.01	A	
19	MC	1653	560	28.12	-1.37	-0.20	B<		107	1653	1.29	0.58	0.13	A		1908	294	6.38	-0.78	-0.17	A	
20	MC	1653	560	8.89	-0.94	-0.10	A		107	1653	5.38	1.56	0.19	A		1908	294	0.28	-0.20	-0.01	A	
21	MC	1653	560	16.22	-1.07	-0.08	B<		107	1653	1.67	0.66	0.15	A		1908	294	7.16	-0.85	-0.12	A	
22	MC	1653	560	9.41	-0.87	-0.08	A		107	1653	0.82	0.51	0.09	A		1908	294	3.72	-0.68	-0.10	A	
23	MC	1653	560	11.04	-0.90	-0.05	A		107	1653	0.21	0.22	0.04	A		1908	294	3.88	-0.67	-0.07	A	
24	MC	1653	560	7.91	-0.80	-0.10	A		107	1653	5.99	1.32	0.23	A		1908	294	1.25	-0.39	-0.04	A	
25	MC	1653	560	8.32	-0.84	-0.07	A		107	1653	1.64	0.73	0.13	A		1908	294	0.99	-0.35	-0.05	A	
26	MC	1653	560	4.82	-0.62	-0.01	A		107	1653	7.33	1.45	0.28	B>		1908	294	0.12	0.12	0.04	A	
27	MC	1653	560	7.27	-0.73	-0.11	A		107	1653	0.26	0.26	0.06	A		1908	294	2.59	-0.55	-0.06	A	
28	MC	1653	560	4.79	-0.60	-0.06	A		107	1653	3.21	0.97	0.18	A		1908	294	2.02	-0.48	-0.05	A	
29	MC	1653	560	8.09	-0.79	-0.05	A		107	1653	13.28	1.92	0.37	C>		1908	294	0.44	-0.23	-0.01	A	
30	MC	1653	560	16.09	-1.02	-0.15	B<		107	1653	1.20	0.54	0.11	A		1908	294	0.11	-0.10	0.04	A	
31	MC	1693	512	0.77	0.38	0.09	A		122	1693	5.40	4.81	0.14	A		1936	258	1.93	0.66	0.09	A	
32	MC	1693	512	0.13	0.14	0.00	A		122	1693	2.69	1.77	0.09	A		1936	258	0.32	0.26	0.04	A	
33	MC	1693	512	1.58	-0.38	-0.04	A		122	1693	0.02	0.07	0.01	A		1936	258	0.67	0.30	0.08	A	
34	MC	1693	512	3.00	-0.53	-0.07	A		122	1693	0.51	-0.38	-0.06	A		1936	258	0.79	0.32	0.08	A	
35	MC	1693	512	1.27	-0.31	-0.01	A		122	1693	8.45	1.38	0.29	B>		1936	258	0.54	0.25	0.05	A	
36	MC	1693	512	0.35	0.24	0.05	A		122	1693	0.81	0.90	0.04	A		1936	258	1.21	-0.52	-0.06	A	
37	MC	1693	512	12.61	-0.98	-0.12	A		122	1693	9.40	1.47	0.34	B>		1936	258	3.09	-0.59	-0.13	A	
38	MC	1693	512	1.03	0.43	0.06	A		122	1693	0.12	0.24	0.03	A		1936	258	0.10	0.15	0.01	A	
39	MC	1693	512	2.67	-0.46	-0.03	A		122	1693	10.05	1.63	0.30	C>		1936	258	0.01	0.04	0.05	A	
40	MC	1693	512	0.05	-0.07	-0.02	A		122	1693	0.21	-0.30	-0.03	A		1936	258	0.25	-0.19	-0.04	A	
41	MC	1693	512	0.16	-0.14	0.00	A		122	1693	0.00	-0.01	0.00	A		1936	258	1.73	-0.53	-0.07	A	
42	MC	1693	512	2.03	-0.42	-0.04	A		122	1693	0.12	0.19	0.03	A		1936	258	3.96	0.71	0.13	A	
43	MC	1693	512	4.32	-0.59	0.02	A		122	1693	0.15	-0.19	-0.03	A		1936	258	0.01	0.03	0.05	A	
44	MC	1693	512	0.13	-0.11	0.01	A		122	1693	0.50	0.42	0.06	A		1936	258	2.23	0.55	0.12	A	
45	MC	1693	512	2.06	0.43	0.09	A		122	1693	0.26	-0.28	-0.04	A		1936	258	0.37	0.23	0.06	A	
46	MC	1693	512	8.60	-0.85	-0.15	A		122	1693	4.92	1.27	0.19	A		1936	258	0.35	-0.20	-0.05	A	
47	MC	1693	512	20.85	-1.25	-0.18	B<		122	1693	1.62	0.59	0.12	A		1936	258	1.96	-0.49	-0.05	A	
48	MC	1693	512	0.67	-0.22	-0.08	A		122	1693	0.53	-0.34	-0.07	A		1936	258	0.24	0.17	0.06	A	
49	MC	1693	512	10.29	-0.88	-0.13	A		122	1693	3.75	0.99	0.20	A		1936	258	1.14	-0.37	-0.04	A	
50	MC	1693	512	0.08	0.09	0.06	A		122	1693	0.02	0.10	0.01	A		1936	258	0.00	0.02	0.01	A	
51	MC	1693	512	12.73	-0.96	-0.12	A		122	1693	0.27	0.25	0.06	A		1936	258	6.63	-0.86	-0.15	A	
52	MC	1693	512	2.41	-0.44	0.04	A		122	1693	6.39	1.31	0.26	A		1936	258	0.55	0.27	0.08	A	

**Table F.30: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Reading on Stage III**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL							Focal Group: FEP Reference Group: ELL							Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
53	MC	1693	512	0.48	-0.19	-0.04	A		122	1693	0.60	0.37	0.08	A		1936	258	0.13	0.13	0.02	A	
54	MC	1689	474	1.26	-0.40	-0.01	A		123	1689	1.40	0.92	0.11	A		1946	212	0.01	-0.06	0.05	A	
55	MC	1689	474	0.84	-0.26	0.00	A		123	1689	2.27	0.80	0.15	A		1946	212	0.44	0.24	0.06	A	
56	MC	1689	474	5.66	-0.85	-0.09	A		123	1689	1.36	0.79	0.08	A		1946	212	1.09	-0.50	-0.05	A	
57	MC	1689	474	9.49	-0.96	-0.14	A		123	1689	0.23	-0.26	-0.03	A		1946	212	0.18	-0.18	-0.01	A	
58	MC	1689	474	2.58	-0.49	-0.05	A		123	1689	1.44	0.64	0.10	A		1946	212	1.79	0.50	0.07	A	
59	MC	1689	474	6.36	-0.96	-0.14	A		123	1689	0.06	0.17	0.02	A		1946	212	0.41	-0.31	-0.04	A	
60	MC	1689	474	8.20	-0.81	-0.12	A		123	1689	0.99	0.50	0.11	A		1946	212	0.04	-0.08	0.02	A	
61	MC	1689	474	3.71	-0.54	-0.08	A		123	1689	0.47	-0.32	-0.07	A		1946	212	0.18	-0.16	0.01	A	
62	MC	1689	474	2.70	-0.44	-0.02	A		123	1689	0.06	0.12	0.04	A		1946	212	0.79	-0.32	-0.05	A	
63	MC	1689	474	2.25	-0.43	0.00	A		123	1689	8.34	1.51	0.27	C>		1946	212	3.64	-0.70	-0.15	A	
64	MC	1689	474	0.52	-0.24	0.00	A		123	1689	1.21	0.69	0.09	A		1946	212	0.71	-0.35	-0.06	A	
65	MC	1689	474	3.83	-0.57	-0.02	A		123	1689	0.24	0.23	0.05	A		1946	212	0.51	0.29	0.08	A	
66	MC	1689	474	6.10	-0.79	-0.11	A		123	1689	2.46	1.00	0.13	A		1946	212	0.33	0.25	0.08	A	
67	MC	1689	474	4.95	-0.63	-0.01	A		123	1689	2.08	0.70	0.15	A		1946	212	1.37	-0.43	-0.08	A	
68	MC	1689	474	2.63	-0.51	-0.07	A		123	1689	0.06	-0.14	-0.01	A		1946	212	0.07	-0.11	0.00	A	
69	MC	1689	474	5.36	-0.76	-0.14	A		123	1689	1.19	0.63	0.08	A		1946	212	2.02	-0.57	-0.11	A	
70	MC	1689	474	4.74	-0.61	-0.03	A		123	1689	1.53	0.59	0.13	A		1946	212	8.81	-1.09	-0.21	B<	
71	MC	1689	474	11.36	-0.96	-0.08	A		123	1689	8.77	1.44	0.30	B>		1946	212	5.65	-0.92	-0.13	A	
72	MC	1689	474	11.82	-0.98	-0.08	A		123	1689	3.23	0.87	0.20	A		1946	212	8.01	-1.06	-0.17	B<	
73	MC	1689	474	4.68	-0.61	-0.02	A		123	1689	0.05	0.11	0.03	A		1946	212	4.71	-0.80	-0.11	A	
74	MC	1689	474	0.51	-0.19	-0.03	A		123	1689	5.31	1.07	0.24	A		1946	212	0.47	0.25	0.05	A	
75	MC	1689	474	2.19	-0.41	-0.02	A		123	1689	2.08	0.67	0.15	A		1946	212	2.57	-0.58	-0.07	A	
76	MC	1689	474	13.90	-1.08	-0.16	B<		123	1689	13.84	1.94	0.34	C>		1946	212	0.25	0.19	0.06	A	
77	MC	1633	445	3.17	-1.25	-0.11	A		127	1633	0.05	-0.24	-0.02	A		1804	267	2.15	-1.12	-0.10	A	
78	MC	1633	445	1.65	0.47	0.10	A		127	1633	0.30	-0.36	-0.04	A		1804	267	0.76	0.36	0.07	A	
79	MC	1633	445	2.36	-0.63	-0.06	A		127	1633	2.22	1.24	0.10	A		1804	267	1.96	-0.63	-0.07	A	
80	MC	1633	445	0.03	0.06	0.09	A		127	1633	1.60	0.69	0.11	A		1804	267	3.06	-0.64	-0.10	A	
81	MC	1633	445	0.17	-0.13	0.01	A		127	1633	0.62	0.39	0.08	A		1804	267	8.17	-1.00	-0.16	A	
82	MC	1633	445	7.54	-0.89	-0.10	A		127	1633	11.39	1.79	0.29	C>		1804	267	0.09	-0.11	0.00	A	
83	MC	1633	445	0.00	0.00	0.01	A		127	1633	3.97	1.72	0.12	A		1804	267	0.12	0.15	0.02	A	
84	MC	1633	445	0.08	0.12	0.04	A		127	1633	0.08	0.25	0.02	A		1804	267	0.03	-0.07	-0.02	A	
85	MC	1633	445	0.40	-0.22	-0.02	A		127	1633	0.64	0.49	0.06	A		1804	267	0.63	-0.32	-0.05	A	
86	MC	1633	445	9.45	-0.90	-0.06	A		127	1633	0.89	-0.45	-0.10	A		1804	267	1.75	-0.44	-0.07	A	
87	MC	1633	445	0.73	-0.25	0.00	A		127	1633	0.29	0.25	0.04	A		1804	267	3.60	-0.64	-0.12	A	
88	MC	1633	445	1.05	-0.33	-0.02	A		127	1633	2.25	0.84	0.13	A		1804	267	2.66	0.62	0.13	A	
89	MC	1633	445	0.89	-0.29	0.03	A		127	1633	0.98	0.47	0.10	A		1804	267	0.23	-0.16	-0.01	A	
90	MC	1633	445	0.03	-0.05	0.00	A		127	1633	3.07	0.89	0.13	A		1804	267	0.00	0.02	0.00	A	
91	MC	1633	445	1.66	-0.46	-0.04	A		127	1633	3.77	1.04	0.21	A		1804	267	0.11	0.14	0.07	A	
92	MC	1633	445	1.32	-0.35	-0.01	A		127	1633	0.01	0.04	0.03	A		1804	267	1.36	-0.39	0.01	A	
93	MC	1633	445	0.40	-0.20	0.05	A		127	1633	1.65	0.62	0.15	A		1804	267	2.58	0.58	0.14	A	
94	MC	1633	445	1.90	0.42	0.11	A		127	1633	0.57	-0.37	-0.06	A		1804	267	1.97	0.49	0.12	A	
95	MC	1633	445	1.39	0.38	0.17	A		127	1633	1.77	-0.70	-0.12	A		1804	267	4.84	-0.76	-0.07	A	
96	MC	1633	445	1.97	-0.43	-0.10	A		127	1633	0.39	-0.32	-0.06	A		1804	267	1.16	-0.38	-0.01	A	
97	MC	1633	445	3.04	-0.55	-0.04	A		127	1633	4.32	0.99	0.22	A		1804	267	0.59	-0.27	0.02	A	
98	MC	1633	445	2.61	-0.49	0.02	A		127	1633	7.22	1.22	0.27	B>		1804	267	1.64	-0.43	-0.03	A	
99	MC	1633	445	4.17	-0.63	0.00	A		127	1633	0.63	0.38	0.08	A		1804	267	0.46	0.24	0.05	A	
100	SA1	6668	1991	0.06	0.04	0.03	A		479	6668	2.78	0.52	0.07	A		7594	1031	0.00	-0.01	-0.01	A	
101	SA1	6668	1991	83.14	-1.37	-0.12	B<		479	6668	12.45	0.86	0.20	A		7594	1031	20.83	-0.87	-0.08	A	
102	SA1	1653	560	0.65	-0.26	-0.03	A		107	1653	0.07	0.17	0.02	A		1908	294	4.70	-0.85	-0.13	A	
103	SA1	1653	560	0.08	-0.08	0.01	A		107	1653	0.00	-0.01	0.00	A		1908	294	6.79	-0.79	-0.13	A	
104	SA1	1653	560	41.91	-1.82	-0.21	C<		107	1653	8.24	1.43	0.31	B>		1908	294	15.49	-1.39	-0.19	B<	



**Table F.30: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Reading on Stage III**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FEP Reference Group: ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
105	SA1	1653	560	47.48	-2.01	-0.21	C<	107	1653	2.33	0.79	0.18	A	1908	294	3.79	-0.71	-0.07	A
106	SA1	1693	512	30.76	-1.56	-0.25	C<	122	1693	0.28	0.27	0.06	A	1936	258	9.18	-1.05	-0.17	B<
107	SA1	1693	512	19.99	-2.09	-0.12	C<	122	1693	0.64	-0.94	-0.07	A	1936	258	11.81	-1.66	-0.18	C<
108	SA1	1693	512	36.49	-1.80	-0.20	C<	122	1693	3.16	0.87	0.21	A	1936	258	6.62	-0.98	-0.13	A
109	SA1	1693	512	6.66	-0.90	-0.06	A	122	1693	0.56	0.43	0.10	A	1936	258	0.11	-0.14	-0.01	A
110	SA1	1689	474	1.92	0.42	0.05	A	123	1689	4.00	-1.10	-0.20	A	1946	212	0.67	-0.31	-0.10	A
111	SA1	1689	474	3.82	-0.53	-0.12	A	123	1689	0.54	0.35	0.07	A	1946	212	1.37	-0.42	-0.06	A
112	SA1	1689	474	26.88	-1.70	-0.20	C<	123	1689	15.15	2.32	0.33	C>	1946	212	3.93	-0.84	-0.09	A
113	SA1	1689	474	61.64	-2.26	-0.34	C<	123	1689	0.57	0.35	0.07	A	1946	212	7.92	-1.09	-0.18	B<
114	SA1	1633	445	0.01	-0.03	0.04	A	127	1633	2.91	0.81	0.17	A	1804	267	0.56	-0.25	-0.02	A
115	SA1	1633	445	0.75	0.26	0.11	A	127	1633	1.01	0.45	0.11	A	1804	267	0.31	0.18	0.03	A
116	SA1	1633	445	50.47	-2.18	-0.28	C<	127	1633	0.01	0.04	0.01	A	1804	267	4.01	-0.76	-0.07	A
117	SA1	1633	445	19.17	-1.39	-0.13	B<	127	1633	1.12	0.49	0.11	A	1804	267	8.93	-1.12	-0.12	B<

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.31: DIF Statistics based on ELL Students for Items in Writing on Stage III**

Item	Item Type	Focal Group: Female Reference Group: Male							Focal Group: Hispanic Reference Group: Non-Hispanic							Focal Group: American Indian Reference Group: Non-American Indian							Focal Group: Special Education Reference Group: Non-Special Education						
		NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag				
118	MC	2819	3849	19.62	0.61	0.10	A	5193	1475	10.16	-0.55	-0.09	A	513	6155	0.42	0.17	0.03	A	1334	5334	15.46	-0.64	-0.13	A				
119	MC	2819	3849	8.13	-0.37	-0.07	A	5193	1475	2.16	-0.23	-0.04	A	513	6155	0.70	0.20	0.03	A	1334	5334	8.26	-0.46	-0.09	A				
120	MC	709	944	0.73	0.21	0.05	A	1274	379	0.56	-0.22	-0.03	A	69	1584	2.42	-1.01	-0.18	A	361	1292	0.66	0.25	0.05	A				
121	MC	709	944	5.76	0.60	0.12	A	1274	379	0.01	0.03	0.00	A	69	1584	0.55	-0.48	-0.09	A	361	1292	7.25	0.82	0.16	A				
122	MC	709	944	22.79	1.28	0.23	B>	1274	379	0.37	-0.20	-0.03	A	69	1584	0.15	-0.25	-0.04	A	361	1292	1.26	-0.35	-0.08	A				
123	MC	709	944	3.48	0.47	0.10	A	1274	379	1.13	-0.31	-0.05	A	69	1584	1.84	0.81	0.16	A	361	1292	0.03	0.05	0.02	A				
124	MC	709	944	1.23	0.37	0.05	A	1274	379	8.24	-1.33	-0.20	B<	69	1584	0.09	-0.23	-0.03	A	361	1292	0.21	-0.17	-0.03	A				
125	MC	709	944	0.09	0.09	0.01	A	1274	379	2.40	0.53	0.07	A	69	1584	8.21	-1.74	-0.33	C<	361	1292	0.09	-0.10	-0.02	A				
126	MC	709	944	0.40	-0.16	-0.03	A	1274	379	1.14	-0.31	-0.04	A	69	1584	0.07	0.16	0.03	A	361	1292	1.61	-0.40	-0.07	A				
127	MC	709	944	1.08	0.27	0.05	A	1274	379	0.51	0.23	0.06	A	69	1584	3.88	-1.22	-0.22	A	361	1292	9.87	-0.97	-0.16	A				
128	MC	709	944	0.36	0.15	0.04	A	1274	379	0.03	-0.06	0.00	A	69	1584	1.55	0.86	0.15	A	361	1292	0.32	-0.17	-0.03	A				
129	MC	709	944	0.18	0.15	0.02	A	1274	379	0.00	-0.01	0.01	A	69	1584	0.92	-0.79	-0.11	A	361	1292	16.43	-1.45	-0.26	B<				
130	MC	720	973	0.07	-0.10	-0.01	A	1253	440	0.68	-0.35	-0.06	A	178	1515	3.17	-1.01	-0.12	A	326	1367	0.75	-0.36	-0.06	A				
131	MC	720	973	0.16	0.10	0.02	A	1253	440	0.06	-0.07	-0.02	A	178	1515	1.05	-0.42	-0.07	A	326	1367	1.37	-0.37	-0.08	A				
132	MC	720	973	8.43	0.75	0.13	A	1253	440	1.47	-0.35	-0.07	A	178	1515	0.07	-0.11	-0.02	A	326	1367	0.29	-0.17	-0.03	A				
133	MC	720	973	3.12	0.42	0.09	A	1253	440	0.27	-0.14	-0.03	A	178	1515	0.73	0.34	0.07	A	326	1367	0.07	0.08	0.02	A				
134	MC	720	973	1.21	0.28	0.06	A	1253	440	0.05	-0.06	-0.01	A	178	1515	1.80	0.54	0.10	A	326	1367	2.29	-0.53	-0.09	A				
135	MC	720	973	0.06	-0.06	-0.01	A	1253	440	0.07	-0.08	-0.01	A	178	1515	0.10	0.13	0.02	A	326	1367	0.01	0.02	0.01	A				
136	MC	720	973	0.43	-0.21	-0.02	A	1253	440	0.01	-0.04	-0.01	A	178	1515	0.95	-0.53	-0.07	A	326	1367	1.18	-0.40	-0.07	A				
137	MC	720	973	0.06	-0.07	-0.01	A	1253	440	0.00	0.01	-0.01	A	178	1515	0.13	0.18	0.02	A	326	1367	0.75	-0.31	-0.06	A				
138	MC	720	973	5.77	-0.60	-0.11	A	1253	440	0.01	-0.03	-0.02	A	178	1515	0.80	0.37	0.07	A	326	1367	4.52	-0.67	-0.12	A				
139	MC	720	973	1.03	-0.29	-0.04	A	1253	440	1.39	-0.39	-0.06	A	178	1515	0.18	0.20	0.03	A	326	1367	10.22	-1.08	-0.20	B<				
140	MC	698	991	6.62	0.97	0.11	A	1310	379	1.59	-0.59	-0.07	A	152	1537	0.54	-0.42	-0.06	A	301	1388	2.99	-0.71	-0.14	A				
141	MC	698	991	6.01	0.58	0.12	A	1310	379	0.23	0.14	0.04	A	152	1537	1.49	0.50	0.10	A	301	1388	3.39	0.58	0.12	A				
142	MC	698	991	11.71	0.85	0.16	A	1310	379	0.02	-0.04	-0.01	A	152	1537	0.96	0.41	0.08	A	301	1388	2.37	-0.51	-0.09	A				
143	MC	698	991	2.17	0.36	0.07	A	1310	379	0.01	0.02	0.02	A	152	1537	0.00	0.01	0.00	A	301	1388	4.49	-0.69	-0.14	A				
144	MC	698	991	0.06	0.07	0.01	A	1310	379	2.96	0.57	0.11	A	152	1537	2.88	-0.73	-0.14	A	301	1388	1.81	-0.46	-0.10	A				
145	MC	698	991	3.82	-0.51	-0.10	A	1310	379	6.59	-0.75	-0.16	A	152	1537	1.00	0.43	0.08	A	301	1388	0.01	-0.04	-0.02	A				
146	MC	698	991	0.79	0.23	0.04	A	1310	379	0.04	-0.06	-0.01	A	152	1537	1.67	0.59	0.11	A	301	1388	4.34	-0.69	-0.13	A				
147	MC	698	991	0.55	-0.18	-0.04	A	1310	379	3.95	-0.58	-0.09	A	152	1537	0.91	-0.41	-0.08	A	301	1388	0.00	0.00	0.00	A				
148	MC	698	991	0.12	-0.10	-0.02	A	1310	379	8.32	0.96	0.15	A	152	1537	0.78	-0.43	-0.07	A	301	1388	3.08	-0.61	-0.11	A				
149	MC	698	991	1.89	0.34	0.06	A	1310	379	3.83	0.59	0.11	A	152	1537	1.05	0.43	0.08	A	301	1388	6.37	-0.86	-0.16	A				
150	MC	692	941	10.62	0.89	0.15	A	1356	277	0.27	0.18	0.02	A	114	1519	0.14	-0.20	-0.03	A	346	1287	4.48	-0.68	-0.15	A				
151	MC	692	941	0.55	-0.21	-0.04	A	1356	277	0.43	-0.24	-0.02	A	114	1519	0.42	-0.37	-0.06	A	346	1287	1.15	0.37	0.07	A				
152	MC	692	941	4.88	0.56	0.11	A	1356	277	0.09	0.10	0.01	A	114	1519	0.35	0.29	0.05	A	346	1287	5.70	-0.73	-0.14	A				
153	MC	692	941	0.01	-0.02	0.00	A	1356	277	0.10	-0.10	-0.02	A	114	1519	0.10	0.15	0.03	A	346	1287	0.05	-0.07	-0.02	A				
154	MC	692	941	4.01	0.49	0.10	A	1356	277	0.15	-0.12	-0.02	A	114	1519	0.06	0.12	0.02	A	346	1287	0.39	-0.19	-0.04	A				
155	MC	692	941	2.36	-0.40	-0.07	A	1356	277	8.41	1.00	0.20	B>	114	1519	0.01	-0.04	-0.01	A	346	1287	7.63	-0.85	-0.17	A				
156	MC	692	941	0.92	0.31	0.04	A	1356	277	4.86	0.92	0.12	A	114	1519	1.07	0.69	0.09	A	346	1287	14.91	-1.36	-0.24	B<				
157	MC	692	941	1.04	0.29	0.04	A	1356	277	0.30	-0.23	-0.02	A	114	1519	0.39	0.37	0.05	A	346	1287	3.11	-0.58	-0.11	A				
158	MC	692	941	0.29	0.15	0.02	A	1356	277	0.09	-0.11	0.00	A	114	1519	0.01	0.05	0.01	A	346	1287	5.03	-0.71	-0.14	A				
159	MC	692	941	3.10	0.43	0.08	A	1356	277	0.63	-0.26	-0.03	A	114	1519	1.45	0.57	0.11	A	346	1287	3.47	-0.55	-0.11	A				
160	ER	2819	3849	78.50		0.14	A	5193	1475	9.08		0.06	A	513	6155	2.92		0.03	A	1334	5334	38.94		-0.12	A				
161	ER	709	944	33.25		0.23	B>	1274	379	9.14		0.03	A	69	1584	1.81		0.02	A	361	1292	6.95		-0.09	A				
162	ER	709	944	7.14		0.08	A	1274	379	5.19		-0.07	A	69	1584	7.26		0.23	A	361	1292	12.14		-0.11	A				
163	ER	720	973	46.84		0.24	B>	1253	440	9.25		0.09	A	178	1515	7.96		0.12	A	326	1367	4.72		-0.02	A				
164	ER	720	973	36.27		0.18	B>	1253	440	16.97		0.15	A	178	1515	8.26		0.08	A	326	1367	7.70		-0.11	A				
165	ER	698	991	32.77		0.19	B>	1310	379	10.03		0.08	A	152	1537	7.05		0.11	A	301	1388	23.99		-0.21	B<				
166	ER	698	991	48.55		0.25	B>	1310	379	3.68		0.07	A	152	1537	0.96		0.07	A	301	1388	20.20		-0.26	C<				
167	ER	692	941	7.95		0.03	A	1356	277	3.66		0.10	A	114	1519	1.59		-0.06	A	346	1287	15.17		-0.21	B<				

**Table F.31: DIF Statistics based on ELL Students for Items in Writing on Stage III**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
168	ER	692	941	17.92		0.15	A	1356	277	6.03		0.11	A	114	1519	1.90		0.05	A	346	1287	9.83		-0.17	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.32: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage III**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish							Focal Group: Spanish Reference Group: English							Focal Group: Non-Spanish Reference Group: English							Focal Group: American Indian Reference Group: English						
		NF	NR	MHχ²	ΔMH	SMD	Flag		NF	NR	MHχ²	ΔMH	SMD	Flag		NF	NR	MHχ²	ΔMH	SMD	Flag		NF	NR	MHχ²	ΔMH	SMD	Flag	
118	MC	5436	1232	2.34	-0.27	-0.04	A		5436	671	0.03	-0.04	0.00	A		561	671	3.58	0.63	0.11	A		103	671	2.16	0.94	0.14	A	
119	MC	5436	1232	5.72	0.40	0.07	A		5436	671	3.61	0.41	0.07	A		561	671	0.01	-0.04	0.00	A		103	671	2.83	1.04	0.16	A	
120	MC	1376	277	0.23	-0.16	-0.03	A		1376	155	0.00	0.00	0.00	A		122	155	0.32	0.34	0.08	A		7	155	1.92	-3.34	-0.54	A	
121	MC	1376	277	0.01	0.03	0.01	A		1376	155	0.04	0.08	0.01	A		122	155	0.02	0.09	-0.01	A		7	155	0.09	-0.56	-0.11	A	
122	MC	1376	277	0.00	0.02	0.02	A		1376	155	0.03	0.07	0.01	A		122	155	0.01	-0.05	0.00	A		7	155	0.24	0.92	0.16	A	
123	MC	1376	277	2.78	-0.54	-0.10	A		1376	155	1.39	-0.50	-0.10	A		122	155	0.00	0.02	-0.01	A		7	155	0.48	-1.56	-0.26	A	
124	MC	1376	277	1.07	-0.49	-0.06	A		1376	155	0.07	-0.15	-0.03	A		122	155	0.81	0.75	0.11	A		7	155	2.06		0.51		
125	MC	1376	277	2.86	0.60	0.10	A		1376	155	0.41	0.29	0.05	A		122	155	0.81	-0.60	-0.09	A		7	155	0.00	-0.02	-0.01	A	
126	MC	1376	277	0.01	0.04	0.02	A		1376	155	3.70	0.88	0.15	A		122	155	7.60	1.69	0.30	C>		7	155	1.65	2.05	0.46	A	
127	MC	1376	277	3.93	0.70	0.12	A		1376	155	1.07	0.47	0.08	A		122	155	0.87	-0.61	-0.10	A		7	155	0.02	0.25	0.04	A	
128	MC	1376	277	2.06	-0.50	-0.08	A		1376	155	1.69	-0.59	-0.11	A		122	155	0.28	-0.35	-0.05	A		7	155	1.82	4.11	0.45	A	
129	MC	1376	277	1.85	0.60	0.09	A		1376	155	0.37	0.35	0.04	A		122	155	0.81	-0.72	-0.09	A		7	155	0.38	-2.20	-0.21	A	
130	MC	1335	358	0.28	0.23	0.03	A		1335	180	2.12	0.84	0.13	A		178	180	3.57	1.52	0.21	A		48	180	0.12	-0.44	-0.05	A	
131	MC	1335	358	3.35	-0.55	-0.10	A		1335	180	0.01	-0.03	0.00	A		178	180	3.55	1.03	0.20	A		48	180	0.10	0.27	0.04	A	
132	MC	1335	358	0.00	0.00	0.00	A		1335	180	0.16	0.16	0.03	A		178	180	0.38	0.34	0.06	A		48	180	2.60	1.49	0.25	A	
133	MC	1335	358	0.18	0.12	0.02	A		1335	180	1.46	0.46	0.08	A		178	180	1.50	0.63	0.11	A		48	180	2.01	1.12	0.23	A	
134	MC	1335	358	0.04	-0.06	-0.01	A		1335	180	0.00	0.02	-0.01	A		178	180	0.04	0.12	0.00	A		48	180	0.08	0.23	0.04	A	
135	MC	1335	358	1.59	0.38	0.07	A		1335	180	0.01	0.04	0.01	A		178	180	1.29	-0.61	-0.12	A		48	180	0.06	-0.20	-0.03	A	
136	MC	1335	358	0.00	-0.02	0.00	A		1335	180	0.43	-0.37	-0.04	A		178	180	0.93	-0.69	-0.09	A		48	180	0.20	0.61	0.04	A	
137	MC	1335	358	0.68	0.30	0.05	A		1335	180	0.40	-0.34	-0.05	A		178	180	3.57	-1.25	-0.19	A		48	180	7.50	-2.76	-0.40	C<	
138	MC	1335	358	0.55	0.21	0.03	A		1335	180	0.50	0.26	0.05	A		178	180	0.21	0.24	0.03	A		48	180	0.64	0.66	0.14	A	
139	MC	1335	358	0.00	-0.02	0.00	A		1335	180	0.18	0.19	0.03	A		178	180	0.65	0.51	0.08	A		48	180	0.23	0.54	0.08	A	
140	MC	1369	320	0.01	-0.04	0.00	A		1369	166	0.62	0.45	0.04	A		154	166	1.31	0.99	0.12	A		41	166	0.77	1.23	0.16	A	
141	MC	1369	320	0.05	-0.07	-0.01	A		1369	166	0.54	0.29	0.07	A		154	166	2.27	0.82	0.18	A		41	166	9.55	2.68	0.56	C>	
142	MC	1369	320	0.06	0.07	0.00	A		1369	166	0.08	-0.11	-0.03	A		154	166	0.50	-0.39	-0.09	A		41	166	0.09	-0.24	-0.06	A	
143	MC	1369	320	0.84	0.29	0.06	A		1369	166	0.90	0.39	0.07	A		154	166	0.03	0.10	0.04	A		41	166	0.05	-0.22	-0.03	A	
144	MC	1369	320	0.55	0.26	0.05	A		1369	166	0.02	-0.06	-0.01	A		154	166	1.19	-0.71	-0.11	A		41	166	0.66	-0.79	-0.14	A	
145	MC	1369	320	1.22	-0.35	-0.05	A		1369	166	0.53	-0.31	-0.04	A		154	166	0.04	0.11	0.02	A		41	166	1.81	1.17	0.23	A	
146	MC	1369	320	0.14	-0.12	-0.03	A		1369	166	0.07	0.11	0.04	A		154	166	0.92	0.58	0.11	A		41	166	0.14	0.34	0.06	A	
147	MC	1369	320	1.03	-0.31	-0.07	A		1369	166	0.03	0.07	-0.01	A		154	166	1.45	0.66	0.15	A		41	166	0.04	0.16	0.03	A	
148	MC	1369	320	0.91	0.33	0.04	A		1369	166	1.16	-0.53	-0.11	A		154	166	6.81	-1.67	-0.31	C<		41	166	10.35	-3.14	-0.53	C<	
149	MC	1369	320	3.38	0.57	0.10	A		1369	166	0.03	0.07	0.00	A		154	166	3.91	-1.13	-0.20	A		41	166	0.66	-0.69	-0.13	A	
150	MC	1356	277	0.57	0.26	0.04	A		1356	170	1.89	0.58	0.10	A		107	170	2.00	0.96	0.15	A		7	170	0.01	0.22	0.02	A	
151	MC	1356	277	0.26	-0.19	-0.04	A		1356	170	0.03	0.09	0.00	A		107	170	0.87	0.63	0.11	A		7	170	0.20	-1.10	-0.19	A	
152	MC	1356	277	0.43	0.22	0.04	A		1356	170	1.51	0.49	0.09	A		107	170	1.64	0.80	0.15	A		7	170	0.64	1.84	0.30	A	
153	MC	1356	277	0.61	-0.25	-0.04	A		1356	170	1.26	-0.45	-0.08	A		107	170	0.82	-0.55	-0.10	A		7	170	2.54	-3.36	-0.60	A	
154	MC	1356	277	7.32	-0.86	-0.17	A		1356	170	5.33	-0.90	-0.18	A		107	170	0.00	-0.03	-0.01	A		7	170	2.23	-2.89	-0.58	A	
155	MC	1356	277	6.32	0.85	0.16	A		1356	170	2.11	0.60	0.11	A		107	170	0.67	-0.52	-0.10	A		7	170	1.46	-1.85	-0.48	A	
156	MC	1356	277	4.12	0.83	0.11	A		1356	170	1.32	0.59	0.06	A		107	170	1.14	-0.81	-0.12	A		7	170	1.30		0.30		
157	MC	1356	277	1.33	-0.46	-0.07	A		1356	170	0.82	-0.44	-0.06	A		107	170	0.01	0.07	0.02	A		7	170	0.14	1.34	0.13	A	
158	MC	1356	277	2.28	0.54	0.10	A		1356	170	1.15	0.48	0.08	A		107	170	0.07	-0.19	-0.04	A		7	170	0.69	1.89	0.28	A	
159	MC	1356	277	0.93	-0.31	-0.06	A		1356	170	0.52	-0.29	-0.05	A		107	170	0.01	0.05	0.01	A		7	170	0.23	1.04	0.18	A	
160	ER	5436	1232	2.19		0.03	A		5436	671	1.18		0.00	A		561	671	5.10		-0.06	A		103	671	9.04		0.10	A	
161	ER	1376	277	9.75		0.10	A		1376	155	3.37		0.12	A		122	155	8.83		0.05	A		7	155	4.25		-0.43	A	
162	ER	1376	277	1.55		0.03	A		1376	155	0.94		0.05	A		122	155	3.43		0.03	A		7	155	2.58		0.44	A	
163	ER	1335	358	7.38		0.03	A		1335	180	3.17		-0.03	A		178	180	6.14		-0.12	A		48	180	4.53		0.25	A	
164	ER	1335	358	4.13		-0.03	A		1335	180	3.30		-0.08	A		178	180	1.61		-0.08	A		48	180	1.63		0.17	A	
165	ER	1369	320	6.26		0.10	A		1369	166	7.03		0.01	A		154	166	12.34		-0.17	A		41	166	8.81		0.25	A	
166	ER	1369	320	3.03		0.06	A		1369																				

**Table F.32: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage III**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
168	ER	1356	277	3.74		0.04	A	1356	170	3.92		-0.02	A	107	170	2.97		-0.15	A	7	170	2.48		-0.27	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.33: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Writing on Stage III**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FEP Reference Group: ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag
118	MC	6668	1991	1.79	0.22	0.04	A	479	6668	3.90	0.68	0.08	A	7594	1031	4.26	-0.42	-0.07	A
119	MC	6668	1991	34.51	-0.97	-0.12	A	479	6668	10.17	1.00	0.12	A	7594	1031	0.00	0.01	0.01	A
120	MC	1653	560	16.56	-1.06	-0.15	B<	107	1653	0.87	0.47	0.10	A	1908	294	5.13	-0.74	-0.12	A
121	MC	1653	560	0.48	-0.18	0.00	A	107	1653	3.75	0.95	0.21	A	1908	294	0.48	-0.21	-0.05	A
122	MC	1653	560	2.31	-0.48	-0.08	A	107	1653	0.00	-0.02	-0.01	A	1908	294	5.43	-0.91	-0.13	A
123	MC	1653	560	6.70	-0.68	-0.05	A	107	1653	0.58	0.38	0.09	A	1908	294	5.70	-0.78	-0.10	A
124	MC	1653	560	0.55	-0.31	0.00	A	107	1653	1.21	1.25	0.08	A	1908	294	3.28	-0.95	-0.12	A
125	MC	1653	560	0.05	-0.07	-0.06	A	107	1653	1.90	1.21	0.10	A	1908	294	0.24	0.18	0.02	A
126	MC	1653	560	1.54	0.33	0.13	A	107	1653	0.01	-0.05	-0.01	A	1908	294	1.33	-0.37	-0.05	A
127	MC	1653	560	16.97	-1.36	-0.19	B<	107	1653	1.39	0.81	0.10	A	1908	294	0.44	0.26	0.08	A
128	MC	1653	560	6.06	-0.76	-0.09	A	107	1653	0.23	0.28	0.03	A	1908	294	0.12	0.12	0.02	A
129	MC	1653	560	0.56	-0.34	0.00	A	107	1653	0.36	0.67	0.04	A	1908	294	0.00	-0.02	0.00	A
130	MC	1693	512	1.48	0.57	0.09	A	122	1693	3.62	4.11	0.10	A	1936	258	0.00	-0.03	-0.02	A
131	MC	1693	512	6.89	0.73	0.11	A	122	1693	1.56	0.70	0.11	A	1936	258	0.00	-0.02	-0.02	A
132	MC	1693	512	0.26	-0.15	-0.01	A	122	1693	1.61	0.77	0.09	A	1936	258	0.57	-0.29	-0.02	A
133	MC	1693	512	0.01	0.02	0.02	A	122	1693	1.83	0.67	0.14	A	1936	258	0.45	-0.22	-0.01	A
134	MC	1693	512	0.13	-0.10	0.02	A	122	1693	2.31	0.74	0.15	A	1936	258	0.08	0.10	0.03	A
135	MC	1693	512	0.94	0.29	0.12	A	122	1693	0.06	0.14	0.02	A	1936	258	0.06	0.09	0.03	A
136	MC	1693	512	1.04	0.43	0.07	A	122	1693	0.77	1.14	0.04	A	1936	258	1.75	0.61	0.06	A
137	MC	1693	512	3.50	0.72	0.14	A	122	1693	0.00	0.01	0.00	A	1936	258	1.34	0.50	0.05	A
138	MC	1693	512	5.26	-0.68	-0.08	A	122	1693	0.45	0.37	0.06	A	1936	258	0.01	-0.04	-0.03	A
139	MC	1693	512	0.00	-0.02	0.00	A	122	1693	0.07	0.20	0.01	A	1936	258	0.27	0.22	0.04	A
140	MC	1689	474	0.13	0.17	0.01	A	123	1689	0.18	-0.51	-0.02	A	1946	212	0.08	0.18	0.03	A
141	MC	1689	474	2.93	-0.46	-0.07	A	123	1689	0.05	0.11	0.02	A	1946	212	0.09	0.10	0.01	A
142	MC	1689	474	0.00	-0.01	0.01	A	123	1689	0.09	-0.15	-0.03	A	1946	212	0.00	-0.02	0.03	A
143	MC	1689	474	0.56	-0.21	-0.01	A	123	1689	0.00	-0.01	0.00	A	1946	212	0.40	-0.24	-0.03	A
144	MC	1689	474	4.69	-0.80	-0.09	A	123	1689	0.58	0.54	0.06	A	1946	212	2.86	-0.86	-0.08	A
145	MC	1689	474	17.87	-1.18	-0.10	B<	123	1689	0.28	0.25	0.05	A	1946	212	0.00	-0.02	0.04	A
146	MC	1689	474	0.24	-0.16	0.02	A	123	1689	0.13	0.22	0.03	A	1946	212	0.00	0.01	-0.01	A
147	MC	1689	474	3.99	-0.57	-0.03	A	123	1689	1.12	0.53	0.10	A	1946	212	0.71	-0.33	0.00	A
148	MC	1689	474	1.67	-0.49	-0.05	A	123	1689	1.52	1.07	0.09	A	1946	212	0.06	-0.12	0.02	A
149	MC	1689	474	0.88	-0.28	-0.01	A	123	1689	0.32	0.29	0.05	A	1946	212	0.01	-0.05	0.03	A
150	MC	1633	445	5.34	0.77	0.14	A	127	1633	0.90	0.62	0.08	A	1804	267	0.07	-0.10	-0.03	A
151	MC	1633	445	0.31	0.19	0.10	A	127	1633	0.19	-0.24	-0.03	A	1804	267	1.21	-0.41	0.01	A
152	MC	1633	445	2.44	0.51	0.12	A	127	1633	0.81	-0.48	-0.06	A	1804	267	2.45	0.57	0.12	A
153	MC	1633	445	0.42	-0.20	0.03	A	127	1633	2.42	0.71	0.14	A	1804	267	1.16	0.37	0.13	A
154	MC	1633	445	1.54	-0.37	-0.03	A	127	1633	3.63	0.93	0.19	A	1804	267	0.10	0.11	0.05	A
155	MC	1633	445	8.96	0.98	0.20	A	127	1633	0.20	-0.24	-0.04	A	1804	267	0.47	0.25	0.05	A
156	MC	1633	445	2.99	0.79	0.14	A	127	1633	1.47	1.36	0.06	A	1804	267	0.31	0.29	0.03	A
157	MC	1633	445	0.30	0.23	0.07	A	127	1633	0.86	0.82	0.05	A	1804	267	1.04	0.48	0.08	A
158	MC	1633	445	1.80	0.49	0.12	A	127	1633	0.32	0.39	0.04	A	1804	267	2.99	0.70	0.13	A
159	MC	1633	445	17.09	-1.33	-0.15	B<	127	1633	0.29	0.26	0.04	A	1804	267	3.35	-0.68	-0.08	A
160	ER	6668	1991	86.46		0.13	A	479	6668	18.72		0.15	A	7594	1031	17.09		-0.02	A
161	ER	1653	560	78.57		0.25	C>	107	1653	2.59		0.11	A	1908	294	10.64		0.08	A
162	ER	1653	560	48.60		0.28	C>	107	1653	12.55		0.08	A	1908	294	18.35		0.03	A
163	ER	1693	512	23.57		0.08	A	122	1693	11.61		0.20	A	1936	258	1.30		0.01	A
164	ER	1693	512	23.38		0.09	A	122	1693	2.00		0.03	A	1936	258	5.75		-0.10	A
165	ER	1689	474	18.93		-0.03	A	123	1689	16.10		0.26	C>	1946	212	12.76		0.02	A
166	ER	1689	474	25.42		0.04	A	123	1689	3.44		0.10	A	1946	212	4.60		0.02	A

**Table F.33: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Writing on Stage III**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FEP Reference Group: ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
167	ER	1633	445	10.56		0.09	A	127	1633	4.08		0.03	A	1804	267	19.19		0.06	A
168	ER	1633	445	43.51		0.23	B>	127	1633	21.08		0.20	B>	1804	267	6.84		-0.04	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.34: DIF Statistics based on ELL Students for Items in Listening on Stage III**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
169	MC	2819	3849	1.54	-0.15	-0.03	A	5193	1475	1.45	-0.18	-0.04	A	513	6155	1.83	-0.30	-0.06	A	1334	5334	2.88	0.26	0.05	A
170	MC	2819	3849	4.39	0.31	0.05	A	5193	1475	0.86	0.17	0.03	A	513	6155	0.05	-0.06	-0.01	A	1334	5334	3.31	-0.32	-0.06	A
171	MC	2819	3849	4.54	-0.27	-0.05	A	5193	1475	0.01	0.01	0.00	A	513	6155	12.59	-0.81	-0.15	A	1334	5334	0.06	0.04	0.01	A
172	MC	709	944	1.49	0.51	0.06	A	1274	379	1.27	0.56	0.09	A	69	1584	3.80	-1.61	-0.23	A	361	1292	0.48	-0.31	-0.06	A
173	MC	709	944	0.34	-0.16	-0.02	A	1274	379	2.87	0.57	0.13	A	69	1584	0.34	-0.40	-0.07	A	361	1292	0.14	-0.12	-0.02	A
174	MC	709	944	3.19	-0.63	-0.08	A	1274	379	0.81	0.41	0.08	A	69	1584	0.04	0.17	0.02	A	361	1292	0.27	-0.21	-0.05	A
175	MC	709	944	0.12	0.14	0.01	A	1274	379	13.67	1.64	0.28	C>	69	1584	2.17	-1.27	-0.17	A	361	1292	1.88	-0.59	-0.12	A
176	MC	709	944	0.86	0.23	0.05	A	1274	379	0.27	0.15	0.04	A	69	1584	0.02	-0.09	-0.02	A	361	1292	1.83	-0.41	-0.09	A
177	MC	709	944	0.22	0.17	0.02	A	1274	379	2.50	0.67	0.10	A	69	1584	3.86	-1.43	-0.22	A	361	1292	2.46	-0.59	-0.12	A
178	MC	709	944	0.94	-0.23	-0.05	A	1274	379	2.76	-0.47	-0.09	A	69	1584	0.88	-0.54	-0.12	A	361	1292	1.59	0.37	0.07	A
179	MC	709	944	0.13	-0.11	-0.01	A	1274	379	2.51	0.60	0.10	A	69	1584	1.45	-0.83	-0.14	A	361	1292	0.51	-0.25	-0.05	A
180	MC	709	944	2.99	-0.45	-0.08	A	1274	379	2.42	-0.47	-0.08	A	69	1584	0.00	-0.01	0.00	A	361	1292	0.17	0.13	0.02	A
181	MC	720	973	2.39	-0.42	-0.07	A	1253	440	2.03	-0.42	-0.08	A	178	1515	0.02	0.05	0.01	A	326	1367	3.69	-0.71	-0.11	A
182	MC	720	973	8.81	-0.75	-0.15	A	1253	440	2.52	-0.47	-0.09	A	178	1515	0.84	-0.37	-0.07	A	326	1367	0.67	-0.26	-0.06	A
183	MC	720	973	0.00	-0.01	0.00	A	1253	440	3.07	0.88	0.10	A	178	1515	0.28	-0.39	-0.04	A	326	1367	1.75	0.76	0.09	A
184	MC	720	973	1.26	-0.28	-0.05	A	1253	440	1.53	0.35	0.06	A	178	1515	0.08	-0.11	-0.02	A	326	1367	0.32	-0.17	-0.03	A
185	MC	720	973	2.37	-0.43	-0.07	A	1253	440	0.02	-0.04	0.00	A	178	1515	1.36	-0.53	-0.08	A	326	1367	1.05	0.35	0.06	A
186	MC	720	973	0.69	-0.20	-0.05	A	1253	440	1.41	0.32	0.06	A	178	1515	0.78	0.34	0.07	A	326	1367	0.39	0.19	0.03	A
187	MC	720	973	5.81	-0.68	-0.10	A	1253	440	0.03	0.06	0.01	A	178	1515	1.15	0.50	0.07	A	326	1367	0.08	-0.09	-0.02	A
188	MC	720	973	1.53	-0.33	-0.05	A	1253	440	1.89	0.42	0.08	A	178	1515	0.34	0.26	0.04	A	326	1367	0.51	0.23	0.05	A
189	MC	720	973	0.03	-0.04	-0.01	A	1253	440	6.20	0.66	0.11	A	178	1515	0.01	-0.05	-0.01	A	326	1367	1.06	-0.32	-0.06	A
190	MC	698	991	0.16	0.11	0.02	A	1310	379	3.94	0.61	0.11	A	152	1537	0.05	0.10	0.02	A	301	1388	3.41	-0.60	-0.12	A
191	MC	698	991	3.59	-0.48	-0.09	A	1310	379	0.07	-0.08	-0.02	A	152	1537	1.23	0.49	0.09	A	301	1388	1.13	0.35	0.07	A
192	MC	698	991	2.43	-0.39	-0.08	A	1310	379	6.04	0.73	0.14	A	152	1537	2.98	-0.73	-0.14	A	301	1388	2.30	0.49	0.10	A
193	MC	698	991	0.01	0.03	0.01	A	1310	379	0.71	-0.32	-0.04	A	152	1537	2.44	0.82	0.14	A	301	1388	0.39	0.24	0.04	A
194	MC	698	991	1.15	-0.26	-0.05	A	1310	379	1.50	0.35	0.07	A	152	1537	0.35	-0.24	-0.05	A	301	1388	4.11	0.64	0.14	A
195	MC	698	991	6.32	-0.64	-0.12	A	1310	379	0.00	-0.02	0.01	A	152	1537	0.15	-0.16	-0.03	A	301	1388	1.86	0.45	0.10	A
196	MC	698	991	1.83	-0.46	-0.06	A	1310	379	0.07	0.11	0.03	A	152	1537	1.95	0.88	0.12	A	301	1388	0.04	-0.08	-0.01	A
197	MC	698	991	0.17	-0.10	-0.02	A	1310	379	0.25	-0.14	-0.02	A	152	1537	1.14	0.43	0.09	A	301	1388	0.45	0.21	0.04	A
198	MC	698	991	4.24	-0.59	-0.09	A	1310	379	0.03	-0.06	-0.01	A	152	1537	0.05	-0.11	-0.02	A	301	1388	2.87	-0.59	-0.11	A
199	MC	692	941	1.21	0.29	0.06	A	1356	277	2.63	-0.54	-0.12	A	114	1519	0.71	0.43	0.08	A	346	1287	0.05	-0.07	-0.02	A
200	MC	692	941	6.30	-0.63	-0.11	A	1356	277	0.06	0.08	0.00	A	114	1519	0.21	0.22	0.04	A	346	1287	0.20	-0.14	-0.03	A
201	MC	692	941	0.02	0.06	0.01	A	1356	277	5.66	1.32	0.18	A	114	1519	0.02	-0.12	-0.01	A	346	1287	0.92	-0.50	-0.07	A
202	MC	692	941	0.44	-0.20	-0.04	A	1356	277	3.17	-0.67	-0.11	A	114	1519	0.18	-0.26	-0.04	A	346	1287	0.56	0.28	0.04	A
203	MC	692	941	0.92	0.23	0.04	A	1356	277	0.27	-0.16	-0.04	A	114	1519	0.08	-0.13	-0.03	A	346	1287	0.50	-0.21	-0.05	A
204	MC	692	941	2.07	-0.36	-0.07	A	1356	277	0.00	0.00	0.01	A	114	1519	0.66	0.42	0.08	A	346	1287	5.62	-0.73	-0.14	A
205	MC	692	941	2.07	-0.35	-0.07	A	1356	277	0.43	-0.21	-0.03	A	114	1519	0.83	-0.42	-0.09	A	346	1287	0.60	0.23	0.05	A
206	MC	692	941	1.62	-0.31	-0.06	A	1356	277	1.84	-0.44	-0.11	A	114	1519	2.70	-0.77	-0.15	A	346	1287	0.15	0.12	0.01	A
207	MC	692	941	0.04	-0.05	-0.02	A	1356	277	0.24	0.16	0.02	A	114	1519	3.62	-0.93	-0.18	A	346	1287	6.34	-0.74	-0.15	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.35: DIF Statistics based on ELL Students' Home Languages for Items in Listening on Stage III**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
169	MC	5436	1232	4.49	-0.34	-0.07	A	5436	671	10.69	-0.69	-0.13	A	561	671	6.54	-0.75	-0.15	A	103	671	0.41	-0.36	-0.06	A
170	MC	5436	1232	0.48	0.13	0.02	A	5436	671	0.93	0.23	0.03	A	561	671	0.35	0.20	0.03	A	103	671	0.11	0.22	0.04	A
171	MC	5436	1232	0.61	-0.12	-0.03	A	5436	671	0.30	-0.11	-0.03	A	561	671	0.00	-0.01	0.00	A	103	671	1.38	-0.59	-0.12	A
172	MC	1376	277	0.97	0.51	0.05	A	1376	155	0.20	0.29	0.04	A	122	155	0.14	-0.35	-0.02	A	7	155	1.45	-3.19	-0.48	A
173	MC	1376	277	1.34	0.42	0.08	A	1376	155	0.16	0.19	0.03	A	122	155	0.78	-0.60	-0.10	A	7	155	0.99	-2.67	-0.35	A
174	MC	1376	277	0.57	-0.37	-0.04	A	1376	155	0.61	-0.48	-0.06	A	122	155	0.21	-0.43	-0.05	A	7	155	1.64	-3.42	-0.47	A
175	MC	1376	277	0.84	0.46	0.05	A	1376	155	0.16	0.25	0.03	A	122	155	0.25	-0.43	-0.02	A	7	155	1.32	-2.37	-0.43	A
176	MC	1376	277	0.00	-0.01	-0.01	A	1376	155	0.00	0.02	0.01	A	122	155	0.07	0.16	0.04	A	7	155	0.07	-0.52	-0.09	A
177	MC	1376	277	0.32	0.25	0.03	A	1376	155	0.30	0.30	0.04	A	122	155	0.11	0.26	0.05	A	7	155	0.42	-1.41	-0.24	A
178	MC	1376	277	0.06	-0.08	-0.02	A	1376	155	0.03	0.07	0.01	A	122	155	0.35	0.35	0.10	A	7	155	0.06	-0.46	-0.09	A
179	MC	1376	277	0.74	0.34	0.05	A	1376	155	0.19	0.21	0.04	A	122	155	0.10	-0.23	-0.04	A	7	155	1.47	-3.24	-0.43	A
180	MC	1376	277	0.05	0.08	0.02	A	1376	155	1.36	0.52	0.09	A	122	155	2.27	0.94	0.16	A	7	155	3.16	-5.01	-0.63	A
181	MC	1335	358	0.24	-0.16	-0.03	A	1335	180	0.29	-0.23	-0.04	A	178	180	0.04	-0.12	-0.02	A	48	180	0.06	0.20	0.03	A
182	MC	1335	358	12.29	-1.13	-0.20	B<	1335	180	2.90	-0.72	-0.14	A	178	180	1.73	0.80	0.13	A	48	180	2.80	1.83	0.26	A
183	MC	1335	358	0.39	0.33	0.04	A	1335	180	0.04	-0.16	-0.03	A	178	180	1.63	-1.22	-0.13	A	48	180	0.17	-0.65	-0.05	A
184	MC	1335	358	1.46	0.36	0.07	A	1335	180	1.13	0.43	0.09	A	178	180	0.04	0.11	0.04	A	48	180	0.24	-0.40	-0.09	A
185	MC	1335	358	2.47	0.53	0.09	A	1335	180	1.85	0.60	0.11	A	178	180	0.12	0.21	0.04	A	48	180	0.61	0.78	0.12	A
186	MC	1335	358	0.57	0.22	0.04	A	1335	180	0.06	0.09	0.02	A	178	180	0.21	-0.24	-0.06	A	48	180	0.85	0.74	0.15	A
187	MC	1335	358	0.26	0.17	0.03	A	1335	180	0.11	0.15	0.01	A	178	180	0.07	-0.16	-0.03	A	48	180	0.05	-0.22	-0.03	A
188	MC	1335	358	0.02	0.04	0.00	A	1335	180	2.45	-0.70	-0.13	A	178	180	5.18	-1.31	-0.26	A	48	180	1.92	-1.25	-0.22	A
189	MC	1335	358	0.02	-0.04	-0.01	A	1335	180	0.01	0.04	0.01	A	178	180	0.04	0.10	0.04	A	48	180	1.87	-1.07	-0.23	A
190	MC	1369	320	2.02	0.46	0.07	A	1369	166	0.36	0.26	0.05	A	154	166	0.51	-0.42	-0.07	A	41	166	2.80	-1.49	-0.30	A
191	MC	1369	320	0.04	-0.06	-0.01	A	1369	166	0.48	-0.30	-0.06	A	154	166	0.67	-0.48	-0.11	A	41	166	0.72	-0.79	-0.14	A
192	MC	1369	320	0.22	0.15	0.03	A	1369	166	0.37	0.26	0.06	A	154	166	0.15	0.22	0.05	A	41	166	0.36	0.57	0.10	A
193	MC	1369	320	3.98	-0.84	-0.12	A	1369	166	1.54	-0.70	-0.09	A	154	166	0.15	0.31	0.04	A	41	166	1.65	1.90	0.20	A
194	MC	1369	320	0.38	0.19	0.03	A	1369	166	0.55	0.30	0.05	A	154	166	0.17	0.22	0.02	A	41	166	0.78	0.76	0.15	A
195	MC	1369	320	3.06	-0.58	-0.10	A	1369	166	3.60	-0.86	-0.14	A	154	166	0.54	-0.46	-0.09	A	41	166	0.25	-0.47	-0.09	A
196	MC	1369	320	1.45	-0.56	-0.07	A	1369	166	0.04	0.12	0.02	A	154	166	2.61	1.44	0.18	A	41	166	4.67	5.01	0.36	A
197	MC	1369	320	1.65	-0.39	-0.08	A	1369	166	1.64	-0.52	-0.09	A	154	166	0.14	-0.21	-0.03	A	41	166	0.63	0.64	0.16	A
198	MC	1369	320	0.65	0.29	0.04	A	1369	166	2.66	0.76	0.11	A	154	166	1.49	0.80	0.15	A	41	166	1.36	1.25	0.19	A
199	MC	1356	277	2.11	-0.49	-0.10	A	1356	170	1.98	-0.58	-0.12	A	107	170	0.23	-0.31	-0.06	A	7	170	3.53	3.74	0.74	A
200	MC	1356	277	0.19	-0.15	-0.03	A	1356	170	0.08	-0.12	-0.03	A	107	170	0.02	0.08	0.01	A	7	170	5.39	-3.98	-0.87	A
201	MC	1356	277	2.75	0.95	0.12	A	1356	170	0.39	0.48	0.08	A	107	170	0.84	-0.95	-0.11	A	7	170	0.49		0.25	
202	MC	1356	277	2.19	-0.57	-0.09	A	1356	170	0.00	0.02	0.01	A	107	170	3.75	1.31	0.23	A	7	170	0.28	1.07	0.23	A
203	MC	1356	277	0.02	0.04	-0.01	A	1356	170	0.54	0.29	0.04	A	107	170	1.09	0.62	0.12	A	7	170	0.05	0.44	0.08	A
204	MC	1356	277	0.00	0.01	0.00	A	1356	170	0.90	0.38	0.08	A	107	170	2.95	1.08	0.21	A	7	170	0.19	0.73	0.18	A
205	MC	1356	277	0.83	-0.30	-0.05	A	1356	170	0.95	-0.39	-0.07	A	107	170	0.17	-0.26	-0.05	A	7	170	1.22	-1.72	-0.44	A
206	MC	1356	277	0.10	0.10	0.01	A	1356	170	0.00	-0.02	-0.01	A	107	170	0.29	-0.32	-0.07	A	7	170	0.01	-0.16	0.00	A
207	MC	1356	277	0.83	0.30	0.07	A	1356	170	0.84	0.37	0.08	A	107	170	0.10	0.20	0.03	A	7	170	3.08	-3.12	-0.67	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF),

SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.36: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Listening on Stage III**

Focal Group: ELL								Focal Group: FEP							Focal Group: FRL (ELL and Non-ELL)						
Item	Item Type	Reference Group: Non-ELL						Reference Group: ELL						Reference Group: Non-FRL (ELL and Non-ELL)							
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		
169	MC	6668	1991	4.69	-0.32	-0.02	A	479	6668	0.16	-0.10	-0.01	A	7594	1031	1.35	-0.21	-0.03	A		
170	MC	6668	1991	0.55	-0.14	0.03	A	479	6668	0.14	-0.13	-0.01	A	7594	1031	0.04	-0.05	0.00	A		
171	MC	6668	1991	21.53	-0.68	-0.05	A	479	6668	5.22	0.60	0.11	A	7594	1031	5.03	-0.41	-0.05	A		
172	MC	1653	560	2.70	0.79	0.17	A	107	1653	0.03	-0.20	-0.01	A	1908	294	2.40	0.85	0.11	A		
173	MC	1653	560	2.06	-0.52	-0.03	A	107	1653	0.55	-0.48	-0.06	A	1908	294	1.46	0.49	0.09	A		
174	MC	1653	560	0.02	-0.06	0.02	A	107	1653	4.62	4.48	0.14	A	1908	294	2.07	0.70	0.11	A		
175	MC	1653	560	4.15	0.96	0.16	A	107	1653	0.53	1.05	0.04	A	1908	294	0.72	0.47	0.04	A		
176	MC	1653	560	0.79	-0.25	-0.02	A	107	1653	0.09	0.16	0.03	A	1908	294	4.75	-0.75	-0.12	A		
177	MC	1653	560	0.02	-0.06	0.01	A	107	1653	0.34	0.65	0.04	A	1908	294	0.71	-0.44	-0.03	A		
178	MC	1653	560	2.36	-0.40	0.05	A	107	1653	0.08	0.14	0.03	A	1908	294	4.27	-0.65	-0.11	A		
179	MC	1653	560	5.91	-0.97	-0.12	A	107	1653	0.53	0.66	0.05	A	1908	294	1.14	0.46	0.06	A		
180	MC	1653	560	1.21	-0.30	-0.06	A	107	1653	0.00	0.03	0.00	A	1908	294	1.57	-0.43	-0.05	A		
181	MC	1693	512	9.17	-0.85	-0.07	A	122	1693	0.78	0.44	0.10	A	1936	258	2.00	-0.48	-0.08	A		
182	MC	1693	512	2.05	-0.45	-0.05	A	122	1693	0.09	-0.17	-0.03	A	1936	258	0.01	0.03	0.01	A		
183	MC	1693	512	0.56	0.44	0.05	A	122	1693	0.05	-0.28	-0.01	A	1936	258	1.87	0.84	0.07	A		
184	MC	1693	512	0.54	-0.22	-0.08	A	122	1693	2.04	0.88	0.12	A	1936	258	0.07	0.10	0.04	A		
185	MC	1693	512	1.30	0.38	0.03	A	122	1693	0.09	0.21	0.03	A	1936	258	0.03	0.07	0.01	A		
186	MC	1693	512	3.92	-0.54	-0.08	A	122	1693	0.03	0.08	0.01	A	1936	258	0.17	-0.14	-0.02	A		
187	MC	1693	512	3.81	-0.77	-0.09	A	122	1693	0.79	0.79	0.06	A	1936	258	0.82	0.38	0.05	A		
188	MC	1693	512	1.96	-0.49	-0.09	A	122	1693	0.09	0.21	0.03	A	1936	258	0.22	0.18	0.02	A		
189	MC	1693	512	0.04	-0.06	0.05	A	122	1693	1.50	-0.59	-0.11	A	1936	258	0.06	-0.08	0.00	A		
190	MC	1689	474	0.02	-0.04	0.04	A	123	1689	0.14	0.24	0.04	A	1946	212	1.34	0.48	0.12	A		
191	MC	1689	474	16.74	-1.35	-0.14	B<	123	1689	0.89	0.54	0.08	A	1946	212	0.00	-0.02	-0.01	A		
192	MC	1689	474	0.58	-0.23	-0.02	A	123	1689	0.00	0.00	0.01	A	1946	212	1.46	0.47	0.09	A		
193	MC	1689	474	0.86	-0.37	-0.04	A	123	1689	0.00	-0.01	0.00	A	1946	212	1.96	0.67	0.15	A		
194	MC	1689	474	7.31	-0.81	-0.11	A	123	1689	0.68	0.44	0.08	A	1946	212	0.41	0.24	0.05	A		
195	MC	1689	474	0.16	-0.12	-0.04	A	123	1689	0.68	-0.44	-0.07	A	1946	212	0.57	-0.30	-0.06	A		
196	MC	1689	474	3.20	0.75	0.13	A	123	1689	1.65	1.55	0.08	A	1946	212	3.45	0.96	0.13	A		
197	MC	1689	474	0.02	0.04	0.10	A	123	1689	0.94	0.49	0.09	A	1946	212	0.72	-0.32	-0.06	A		
198	MC	1689	474	0.19	0.16	0.04	A	123	1689	0.07	-0.20	-0.02	A	1946	212	0.01	-0.05	0.03	A		
199	MC	1633	445	14.72	-1.13	-0.19	B<	127	1633	0.30	-0.27	-0.05	A	1804	267	1.89	-0.45	-0.11	A		
200	MC	1633	445	1.42	-0.40	-0.09	A	127	1633	0.09	-0.15	-0.04	A	1804	267	1.16	-0.39	-0.09	A		
201	MC	1633	445	0.02	-0.10	-0.01	A	127	1633	0.00	0.03	0.00	A	1804	267	0.35	-0.45	-0.04	A		
202	MC	1633	445	62.01	-2.34	-0.43	C<	127	1633	2.52	0.82	0.19	A	1804	267	13.16	-1.25	-0.19	B<		
203	MC	1633	445	2.81	0.48	0.11	A	127	1633	0.53	-0.34	-0.06	A	1804	267	0.05	-0.07	0.01	A		
204	MC	1633	445	0.61	-0.24	0.01	A	127	1633	0.99	0.50	0.08	A	1804	267	0.02	-0.04	0.00	A		
205	MC	1633	445	8.99	-0.94	-0.21	A	127	1633	0.06	0.13	0.03	A	1804	267	3.04	-0.62	-0.08	A		
206	MC	1633	445	2.70	-0.52	-0.05	A	127	1633	0.12	0.17	0.04	A	1804	267	1.55	-0.44	-0.07	A		
207	MC	1633	445	2.93	-0.52	-0.07	A	127	1633	1.98	0.76	0.13	A	1804	267	0.40	-0.22	0.00	A		

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.37: DIF Statistics based on ELL Students for Items in Speaking on Stage III**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
208	SA4	2819	3849	29.72		-0.09	A	5193	1475	19.53		0.09	A	513	6155	5.31		0.06	A	1334	5334	32.07		0.16	A
209	SA4	2819	3849	11.62		-0.05	A	5193	1475	41.40		0.06	A	513	6155	10.77		0.08	A	1334	5334	30.40		0.18	B>
210	SA4	709	944	5.60		0.01	A	1274	379	2.94		0.03	A	69	1584	3.75		-0.10	A	361	1292	1.56		-0.03	A
211	SA4	709	944	5.14		0.08	A	1274	379	10.78		0.13	A	69	1584	1.10		-0.10	A	361	1292	9.90		-0.03	A
212	SA4	709	944	4.84		-0.04	A	1274	379	4.71		0.07	A	69	1584	6.09		0.20	A	361	1292	16.50		0.20	B>
213	SA4	709	944	12.19		0.05	A	1274	379	0.91		-0.04	A	69	1584	4.48		0.08	A	361	1292	3.32		0.00	A
214	SA4	709	944	11.48		-0.12	A	1274	379	2.96		-0.05	A	69	1584	1.30		-0.08	A	361	1292	6.49		0.08	A
215	SA4	709	944	7.35		0.10	A	1274	379	8.03		0.14	A	69	1584	3.19		0.03	A	361	1292	5.31		0.07	A
216	SA4	709	944	2.20		0.06	A	1274	379	3.44		0.06	A	69	1584	6.06		-0.07	A	361	1292	3.58		0.10	A
217	SA4	709	944	4.00		0.05	A	1274	379	1.54		0.06	A	69	1584	2.87		-0.05	A	361	1292	4.47		0.06	A
218	SA4	720	973	5.81		-0.02	A	1253	440	16.44		0.10	A	178	1515	2.51		0.02	A	326	1367	9.80		0.18	A
219	SA4	720	973	11.16		-0.03	A	1253	440	26.61		0.17	A	178	1515	1.97		0.02	A	326	1367	12.37		0.23	A
220	SA4	720	973	7.14		-0.07	A	1253	440	11.09		0.12	A	178	1515	2.95		0.02	A	326	1367	12.36		0.18	A
221	SA4	720	973	9.52		0.01	A	1253	440	7.70		0.05	A	178	1515	2.51		-0.06	A	326	1367	15.37		0.06	A
222	SA4	720	973	36.21		-0.25	B<	1253	440	9.76		0.13	A	178	1515	3.36		-0.03	A	326	1367	15.56		0.20	B>
223	SA4	720	973	4.61		-0.03	A	1253	440	24.69		0.23	B>	178	1515	8.83		-0.15	A	326	1367	12.49		0.19	A
224	SA4	720	973	2.73		-0.01	A	1253	440	5.61		0.08	A	178	1515	3.79		-0.13	A	326	1367	3.06		0.07	A
225	SA4	720	973	8.69		0.05	A	1253	440	16.59		0.20	B>	178	1515	4.87		-0.14	A	326	1367	7.94		0.15	A
226	SA4	698	991	12.86		-0.08	A	1310	379	0.91		0.02	A	152	1537	1.31		0.04	A	301	1388	20.88		0.28	C>
227	SA4	698	991	9.11		-0.09	A	1310	379	2.32		0.04	A	152	1537	3.26		0.06	A	301	1388	11.05		0.14	A
228	SA4	698	991	14.17		-0.05	A	1310	379	6.37		0.00	A	152	1537	4.72		-0.03	A	301	1388	12.70		0.10	A
229	SA4	698	991	15.03		-0.08	A	1310	379	1.90		0.02	A	152	1537	5.49		0.00	A	301	1388	20.91		0.09	A
230	SA4	698	991	19.51		-0.17	B<	1310	379	3.56		-0.01	A	152	1537	3.41		0.07	A	301	1388	10.34		0.18	A
231	SA4	698	991	7.61		0.04	A	1310	379	9.92		-0.01	A	152	1537	11.99		-0.20	A	301	1388	9.14		0.03	A
232	SA4	698	991	2.20		-0.06	A	1310	379	2.20		0.08	A	152	1537	4.86		-0.02	A	301	1388	5.23		0.13	A
233	SA4	698	991	31.31		-0.24	B<	1310	379	3.07		0.04	A	152	1537	4.15		0.01	A	301	1388	12.48		0.15	A
234	SA4	692	941	4.43		-0.04	A	1356	277	11.97		-0.03	A	114	1519	2.71		0.00	A	346	1287	7.82		0.14	A
235	SA4	692	941	8.50		-0.01	A	1356	277	3.12		0.08	A	114	1519	6.53		-0.01	A	346	1287	14.19		0.15	A
236	SA4	692	941	6.36		-0.08	A	1356	277	1.86		0.06	A	114	1519	7.73		0.07	A	346	1287	16.05		0.16	A
237	SA4	692	941	11.14		-0.04	A	1356	277	3.47		0.00	A	114	1519	4.43		0.01	A	346	1287	10.72		0.12	A
238	SA4	692	941	3.12		-0.06	A	1356	277	2.31		0.03	A	114	1519	5.14		0.18	A	346	1287	10.90		0.17	A
239	SA4	692	941	17.87		0.05	A	1356	277	3.01		0.09	A	114	1519	5.63		-0.08	A	346	1287	2.97		0.09	A
240	SA4	692	941	2.81		0.08	A	1356	277	17.36		0.21	B>	114	1519	3.84		0.17	A	346	1287	7.03		0.08	A
241	SA4	692	941	9.05		-0.07	A	1356	277	2.68		-0.11	A	114	1519	7.61		0.12	A	346	1287	12.24		0.18	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.38: DIF Statistics based on ELL Students' Home Languages for Items in Speaking on Stage III**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
208	SA4	5436	1232	8.69		0.06	A	5436	671	10.06		-0.07	A	561	671	32.19		-0.28	C<	103	671	4.03		-0.18	A
209	SA4	5436	1232	20.61		0.02	A	5436	671	14.94		-0.09	A	561	671	21.84		-0.21	B<	103	671	1.61		-0.01	A
210	SA4	1376	277	3.65		0.03	A	1376	155	4.88		-0.01	A	122	155	2.95		-0.12	A	7	155	6.78		-0.25	A
211	SA4	1376	277	4.07		0.04	A	1376	155	3.72		-0.03	A	122	155	8.27		-0.17	A	7	155	1.82		-0.08	A
212	SA4	1376	277	8.10		0.08	A	1376	155	5.06		-0.06	A	122	155	7.34		-0.29	A	7	155	3.56		-0.10	A
213	SA4	1376	277	6.07		-0.04	A	1376	155	4.39		0.01	A	122	155	4.52		0.10	A	7	155	2.39		0.42	A
214	SA4	1376	277	0.73		-0.01	A	1376	155	1.31		-0.04	A	122	155	2.27		-0.06	A	7	155	3.83		0.08	A
215	SA4	1376	277	2.50		0.06	A	1376	155	3.93		-0.02	A	122	155	8.92		-0.21	A	7	155	13.79		-0.21	B<
216	SA4	1376	277	2.64		-0.06	A	1376	155	5.41		-0.12	A	122	155	3.03		-0.13	A	7	155	0.67		-0.13	A
217	SA4	1376	277	5.12		0.10	A	1376	155	1.59		0.07	A	122	155	1.04		-0.11	A	7	155	2.44		-0.25	A
218	SA4	1335	358	5.67		0.09	A	1335	180	5.60		-0.05	A	178	180	14.68		-0.26	C<	48	180	12.66		0.00	A
219	SA4	1335	358	10.72		0.12	A	1335	180	1.85		-0.11	A	178	180	16.45		-0.41	C<	48	180	7.26		-0.01	A
220	SA4	1335	358	5.04		0.11	A	1335	180	2.75		-0.02	A	178	180	11.16		-0.25	A	48	180	2.35		0.15	A
221	SA4	1335	358	11.63		0.16	A	1335	180	14.32		0.12	A	178	180	13.50		-0.09	A	48	180	8.60		0.20	A
222	SA4	1335	358	6.74		0.06	A	1335	180	2.54		-0.09	A	178	180	12.62		-0.27	A	48	180	1.01		0.07	A
223	SA4	1335	358	16.25		0.18	B>	1335	180	6.89		-0.06	A	178	180	32.20		-0.43	C<	48	180	10.30		-0.33	A
224	SA4	1335	358	3.06		0.05	A	1335	180	0.39		0.04	A	178	180	3.50		-0.02	A	48	180	4.70		0.05	A
225	SA4	1335	358	28.85		0.23	B>	1335	180	8.90		0.09	A	178	180	9.32		-0.25	A	48	180	1.77		-0.15	A
226	SA4	1369	320	2.59		0.04	A	1369	166	3.37		0.00	A	154	166	2.81		-0.05	A	41	166	7.53		0.21	A
227	SA4	1369	320	1.37		-0.03	A	1369	166	7.22		-0.18	A	154	166	10.09		-0.28	A	41	166	3.11		-0.21	A
228	SA4	1369	320	0.40		-0.02	A	1369	166	8.31		-0.11	A	154	166	16.03		-0.17	A	41	166	15.20		-0.44	C<
229	SA4	1369	320	5.64		0.02	A	1369	166	8.94		-0.01	A	154	166	6.39		-0.05	A	41	166	2.98		-0.10	A
230	SA4	1369	320	7.91		-0.08	A	1369	166	8.36		-0.18	A	154	166	6.52		-0.18	A	41	166	5.66		-0.14	A
231	SA4	1369	320	7.37		0.00	A	1369	166	1.39		-0.01	A	154	166	6.57		0.03	A	41	166	9.36		-0.32	A
232	SA4	1369	320	2.72		0.07	A	1369	166	0.95		-0.03	A	154	166	3.78		-0.20	A	41	166	3.22		-0.03	A
233	SA4	1369	320	10.62		0.14	A	1369	166	7.37		0.10	A	154	166	5.90		-0.06	A	41	166	6.77		-0.04	A
234	SA4	1356	277	2.86		0.00	A	1356	170	6.02		-0.08	A	107	170	7.04		-0.18	A	7	170	3.05		-0.55	A
235	SA4	1356	277	2.78		-0.01	A	1356	170	4.50		-0.10	A	107	170	11.06		-0.27	A	7	170	5.14		-0.64	A
236	SA4	1356	277	0.44		0.00	A	1356	170	2.13		-0.07	A	107	170	4.04		-0.17	A	7	170	1.04		-0.04	A
237	SA4	1356	277	2.38		-0.01	A	1356	170	1.55		-0.02	A	107	170	5.71		-0.04	A	7	170	0.43		-0.09	A
238	SA4	1356	277	5.84		-0.09	A	1356	170	7.02		-0.16	A	107	170	2.96		-0.15	A	7	170	5.15		0.30	A
239	SA4	1356	277	6.17		0.07	A	1356	170	6.43		0.06	A	107	170	2.18		-0.01	A	7	170	1.11		0.08	A
240	SA4	1356	277	12.97		0.07	A	1356	170	6.75		0.14	A	107	170	5.14		0.16	A	7	170	29.03		1.47	C>
241	SA4	1356	277	2.96		-0.10	A	1356	170	5.39		-0.16	A	107	170	7.53		-0.15	A	7	170	0.51		-0.01	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.39: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Speaking on Stage III**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FEP Reference Group: ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
208	SA4	6668	1991	145.16		0.03	A	479	6668	5.85		0.05	A	7594	1031	33.14		-0.04	A
209	SA4	6668	1991	90.39		0.14	A	479	6668	6.70		-0.07	A	7594	1031	15.19		-0.03	A
210	SA4	1653	560	59.66		0.28	C>	107	1653	0.66		-0.06	A	1908	294	23.09		0.19	B>
211	SA4	1653	560	57.74		0.23	B>	107	1653	0.82		-0.01	A	1908	294	16.57		0.13	A
212	SA4	1653	560	48.98		0.06	A	107	1653	4.80		0.13	A	1908	294	8.40		-0.02	A
213	SA4	1653	560	39.15		0.11	A	107	1653	1.59		-0.06	A	1908	294	6.98		-0.02	A
214	SA4	1653	560	18.99		0.13	A	107	1653	10.22		-0.18	A	1908	294	18.70		-0.19	B<
215	SA4	1653	560	26.17		0.15	A	107	1653	9.03		-0.19	A	1908	294	16.28		0.16	A
216	SA4	1653	560	11.27		0.17	A	107	1653	2.09		0.07	A	1908	294	0.91		-0.03	A
217	SA4	1653	560	22.07		0.15	A	107	1653	5.61		-0.03	A	1908	294	10.44		0.03	A
218	SA4	1693	512	17.64		0.15	A	122	1693	2.38		-0.10	A	1936	258	5.37		0.00	A
219	SA4	1693	512	10.31		0.17	A	122	1693	1.52		-0.05	A	1936	258	7.31		0.13	A
220	SA4	1693	512	31.51		-0.04	A	122	1693	2.73		0.14	A	1936	258	6.18		-0.05	A
221	SA4	1693	512	9.46		0.03	A	122	1693	2.73		0.07	A	1936	258	3.42		-0.08	A
222	SA4	1693	512	11.84		-0.07	A	122	1693	5.99		0.18	A	1936	258	7.75		-0.12	A
223	SA4	1693	512	27.95		0.04	A	122	1693	11.02		0.24	A	1936	258	6.16		-0.06	A
224	SA4	1693	512	3.52		0.04	A	122	1693	2.19		-0.02	A	1936	258	4.75		-0.05	A
225	SA4	1693	512	8.92		0.15	A	122	1693	4.08		0.06	A	1936	258	3.26		-0.05	A
226	SA4	1689	474	21.34		0.10	A	123	1689	1.54		-0.04	A	1946	212	2.58		0.08	A
227	SA4	1689	474	30.30		0.19	B>	123	1689	2.97		0.09	A	1946	212	2.59		-0.02	A
228	SA4	1689	474	48.52		0.27	C>	123	1689	6.47		0.08	A	1946	212	0.74		0.01	A
229	SA4	1689	474	32.25		0.14	A	123	1689	5.41		0.03	A	1946	212	3.89		0.03	A
230	SA4	1689	474	38.01		0.00	A	123	1689	3.78		-0.02	A	1946	212	8.64		0.04	A
231	SA4	1689	474	25.05		0.18	B>	123	1689	0.88		0.00	A	1946	212	6.05		-0.12	A
232	SA4	1689	474	24.36		0.18	B>	123	1689	3.24		0.01	A	1946	212	3.22		-0.02	A
233	SA4	1689	474	21.74		0.17	A	123	1689	3.05		0.01	A	1946	212	5.19		0.12	A
234	SA4	1633	445	14.80		0.06	A	127	1633	4.91		-0.12	A	1804	267	6.70		-0.10	A
235	SA4	1633	445	33.02		-0.01	A	127	1633	8.90		0.08	A	1804	267	7.55		-0.09	A
236	SA4	1633	445	31.82		-0.08	A	127	1633	2.17		0.00	A	1804	267	3.62		-0.08	A
237	SA4	1633	445	41.67		-0.09	A	127	1633	0.94		0.00	A	1804	267	4.87		-0.09	A
238	SA4	1633	445	17.14		-0.01	A	127	1633	3.80		-0.06	A	1804	267	5.29		-0.08	A
239	SA4	1633	445	5.04		0.16	A	127	1633	0.92		0.00	A	1804	267	3.55		-0.05	A
240	SA4	1633	445	15.31		0.26	C>	127	1633	1.79		0.01	A	1804	267	2.85		0.03	A
241	SA4	1633	445	13.83		0.08	A	127	1633	0.66		0.03	A	1804	267	5.21		-0.10	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.40: DIF Statistics based on ELL Students for Items in Reading on Stage IV**

		Focal Group: Female							Focal Group: Hispanic							Focal Group: American Indian							Focal Group: Special Education						
Item	Item Type	Reference Group: Male						Reference Group: Non-Hispanic						Reference Group: Non-American Indian						Reference Group: Non-Special Education									
		NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag				
1	MC	1774	2429	5.20	0.49	0.07	A	3137	1067	7.56	0.63	0.08	A	380	3824	0.34	-0.21	-0.03	A	1322	2880	17.98	-0.91	-0.15	A				
2	MC	1774	2429	8.39	-0.45	-0.09	A	3137	1067	0.28	-0.09	-0.03	A	380	3824	1.03	-0.28	-0.05	A	1322	2880	3.97	-0.34	-0.07	A				
3	MC	1774	2429	0.13	0.07	0.01	A	3137	1067	7.30	-0.56	-0.09	A	380	3824	0.66	0.25	0.04	A	1322	2880	0.04	-0.04	-0.01	A				
4	MC	1774	2429	4.94	0.33	0.07	A	3137	1067	0.19	0.07	0.01	A	380	3824	0.69	-0.22	-0.04	A	1322	2880	0.34	0.10	0.02	A				
5	MC	1774	2429	11.03	0.51	0.10	A	3137	1067	0.76	-0.15	-0.03	A	380	3824	0.03	0.04	0.01	A	1322	2880	17.59	-0.70	-0.14	A				
6	MC	1774	2429	17.15	-0.64	-0.13	A	3137	1067	0.02	0.03	0.00	A	380	3824	2.18	0.38	0.08	A	1322	2880	3.65	-0.32	-0.06	A				
7	MC	1774	2429	0.02	0.02	0.00	A	3137	1067	0.05	0.05	0.01	A	380	3824	1.05	-0.30	-0.05	A	1322	2880	1.48	0.22	0.05	A				
8	MC	399	596	0.24	0.19	0.03	A	780	216	0.01	-0.04	0.01	A	50	946	3.89	-1.55	-0.28	A	325	671	7.56	-1.07	-0.19	B<				
9	MC	399	596	0.49	0.24	0.04	A	780	216	0.05	-0.09	-0.04	A	50	946	4.63	-1.59	-0.29	A	325	671	16.59	-1.41	-0.28	B<				
10	MC	399	596	0.16	-0.14	-0.03	A	780	216	9.44	1.25	0.23	B>	50	946	0.09	-0.24	-0.04	A	325	671	0.00	0.01	0.00	A				
11	MC	399	596	0.64	0.26	0.06	A	780	216	0.16	-0.15	-0.03	A	50	946	0.78	-0.69	-0.13	A	325	671	3.77	-0.69	-0.13	A				
12	MC	399	596	0.41	-0.22	-0.04	A	780	216	6.65	-1.00	-0.22	B<	50	946	2.11	-1.21	-0.21	A	325	671	1.22	-0.41	-0.06	A				
13	MC	399	596	1.89	0.44	0.08	A	780	216	0.00	0.01	-0.01	A	50	946	0.21	0.35	0.06	A	325	671	2.36	-0.51	-0.10	A				
14	MC	399	596	3.77	0.61	0.12	A	780	216	0.72	-0.32	-0.06	A	50	946	0.07	-0.20	-0.04	A	325	671	2.28	-0.50	-0.10	A				
15	MC	399	596	3.30	0.61	0.12	A	780	216	0.50	-0.28	-0.07	A	50	946	0.33	-0.45	-0.09	A	325	671	5.49	-0.87	-0.15	A				
16	MC	399	596	3.28	0.57	0.11	A	780	216	0.08	0.10	0.01	A	50	946	0.00	-0.03	-0.01	A	325	671	8.97	-1.00	-0.21	A				
17	MC	399	596	0.56	0.24	0.05	A	780	216	0.15	-0.14	0.00	A	50	946	0.08	-0.20	-0.04	A	325	671	0.02	0.05	0.00	A				
18	MC	399	596	2.71	0.57	0.11	A	780	216	5.16	-0.91	-0.17	A	50	946	0.25	0.38	0.07	A	325	671	1.54	-0.47	-0.07	A				
19	MC	399	596	1.05	0.35	0.07	A	780	216	1.02	-0.41	-0.09	A	50	946	0.14	0.29	0.05	A	325	671	0.03	-0.07	-0.01	A				
20	MC	399	596	0.01	0.03	0.00	A	780	216	3.67	0.90	0.16	A	50	946	0.10	-0.27	-0.05	A	325	671	0.14	-0.15	-0.03	A				
21	MC	399	596	0.09	-0.10	-0.02	A	780	216	2.31	-0.61	-0.11	A	50	946	0.55	0.54	0.11	A	325	671	0.40	0.23	0.05	A				
22	MC	399	596	0.00	0.02	0.00	A	780	216	0.83	0.36	0.06	A	50	946	0.35	-0.47	-0.08	A	325	671	5.86	-0.87	-0.16	A				
23	MC	399	596	4.65	0.69	0.13	A	780	216	4.19	0.81	0.13	A	50	946	0.00	-0.02	0.00	A	325	671	7.94	-0.97	-0.18	A				
24	MC	399	596	0.09	-0.10	-0.02	A	780	216	0.36	0.24	0.04	A	50	946	0.68	-0.64	-0.12	A	325	671	0.05	-0.08	-0.01	A				
25	MC	399	596	1.79	-0.47	-0.09	A	780	216	1.27	0.49	0.10	A	50	946	0.18	0.32	0.06	A	325	671	0.04	0.08	0.01	A				
26	MC	399	596	8.01	0.92	0.17	A	780	216	3.85	-0.76	-0.18	A	50	946	0.19	-0.34	-0.06	A	325	671	3.64	-0.69	-0.13	A				
27	MC	399	596	0.05	0.08	0.01	A	780	216	0.66	0.35	0.06	A	50	946	2.32	-1.39	-0.22	A	325	671	0.13	-0.14	-0.02	A				
28	MC	399	596	0.67	-0.29	-0.05	A	780	216	0.16	-0.17	-0.02	A	50	946	5.55	1.63	0.34	A	325	671	7.45	0.98	0.18	A				
29	MC	444	604	10.94	1.37	0.19	B>	774	274	0.19	-0.20	-0.02	A	77	971	1.58	1.01	0.15	A	317	730	5.74	-0.98	-0.18	A				
30	MC	444	604	0.03	-0.06	-0.01	A	774	274	0.01	-0.03	0.01	A	77	971	0.66	0.61	0.09	A	317	730	5.99	-0.97	-0.18	A				
31	MC	444	604	8.17	1.37	0.16	B>	774	274	0.40	0.32	0.03	A	77	971	0.74	0.70	0.10	A	317	730	2.71	-0.74	-0.11	A				
32	MC	444	604	5.81	0.77	0.15	A	774	274	5.65	-0.84	-0.17	A	77	971	0.73	0.52	0.10	A	317	730	2.13	-0.54	-0.09	A				
33	MC	444	604	0.09	0.09	0.02	A	774	274	4.97	-0.77	-0.15	A	77	971	0.06	0.15	0.03	A	317	730	2.59	-0.56	-0.11	A				
34	MC	444	604	0.10	0.11	0.02	A	774	274	1.85	-0.51	-0.09	A	77	971	2.29	-1.08	-0.18	A	317	730	1.81	-0.52	-0.08	A				
35	MC	444	604	0.19	-0.13	-0.02	A	774	274	0.85	-0.33	-0.06	A	77	971	0.08	-0.17	-0.03	A	317	730	0.09	0.10	0.02	A				
36	MC	444	604	0.00	0.00	0.00	A	774	274	0.44	0.24	0.04	A	77	971	0.84	-0.52	-0.10	A	317	730	1.12	-0.37	-0.07	A				
37	MC	444	604	0.50	0.22	0.04	A	774	274	0.00	-0.02	-0.01	A	77	971	0.00	-0.01	0.00	A	317	730	2.65	-0.57	-0.11	A				
38	MC	444	604	6.05	0.76	0.15	A	774	274	0.14	0.13	0.02	A	77	971	1.78	-0.87	-0.16	A	317	730	0.03	0.06	0.02	A				
39	MC	444	604	1.84	0.44	0.08	A	774	274	2.23	-0.54	-0.11	A	77	971	0.58	0.45	0.09	A	317	730	0.08	-0.11	-0.03	A				
40	MC	444	604	0.52	0.24	0.04	A	774	274	0.82	-0.33	-0.07	A	77	971	0.01	0.06	0.01	A	317	730	1.02	0.36	0.04	A				
41	MC	444	604	1.25	-0.47	-0.07	A	774	274	2.61	-0.72	-0.12	A	77	971	0.08	-0.23	-0.03	A	317	730	2.83	-0.84	-0.11	A				
42	MC	444	604	0.16	-0.13	-0.02	A	774	274	2.08	-0.52	-0.09	A	77	971	0.83	-0.59	-0.10	A	317	730	1.36	0.42	0.10	A				
43	MC	444	604	0.47	0.21	0.05	A	774	274	0.74	-0.30	-0.07	A	77	971	0.45	-0.42	-0.08	A	317	730	0.72	0.30	0.07	A				
44	MC	444	604	6.02	0.78	0.14	A	774	274	0.08	-0.10	-0.03	A	77	971	1.22	0.64	0.12	A	317	730	1.03	0.36	0.09	A				
45	MC	444	604	10.69	1.06	0.19	B>	774	274	0.17	-0.15	-0.02	A	77	971	0.24	0.28	0.06	A	317	730	1.45	-0.42	-0.09	A				
46	MC	444	604	2.90	0.55	0.10	A	774	274	0.30	-0.20	-0.05	A	77	971	0.30	-0.35	-0.06	A	317	730	2.21	0.54	0.09	A				
47	MC	444	604	0.06	0.08	0.01	A	774	274	0.20	-0.16	-0.02	A	77	971	0.62	-0.50	-0.09	A	317	730	1.23	0.39	0.07	A				
48	MC	444	604	8.94																									

**Table F.40: DIF Statistics based on ELL Students for Items in Reading on Stage IV**

Item	Item Type	Focal Group: Female Reference Group: Male							Focal Group: Hispanic Reference Group: Non-Hispanic							Focal Group: American Indian Reference Group: Non-American Indian							Focal Group: Special Education Reference Group: Non-Special Education						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
53	MC	475	634	4.27	0.66	0.11	A		816	293	6.66	-0.95	-0.16	A		161	948	1.83	0.64	0.11	A		349	759	6.25	-0.84	-0.17	A	
54	MC	475	634	5.21	-0.70	-0.14	A		816	293	5.69	-0.80	-0.17	A		161	948	6.12	1.02	0.20	A		349	759	0.00	0.00	-0.01	A	
55	MC	475	634	0.27	0.16	0.02	A		816	293	2.09	0.51	0.10	A		161	948	0.12	0.14	0.02	A		349	759	0.80	-0.30	-0.06	A	
56	MC	475	634	3.42	0.63	0.10	A		816	293	1.00	0.40	0.10	A		161	948	1.71	-0.67	-0.11	A		349	759	0.07	0.10	0.02	A	
57	MC	475	634	3.49	0.57	0.11	A		816	293	0.37	-0.22	-0.02	A		161	948	0.12	0.15	0.03	A		349	759	0.04	-0.07	0.00	A	
58	MC	475	634	6.89	0.82	0.16	A		816	293	0.98	-0.35	-0.02	A		161	948	0.14	-0.17	-0.03	A		349	759	1.59	-0.44	-0.09	A	
59	MC	475	634	0.13	0.11	0.02	A		816	293	0.01	-0.03	0.00	A		161	948	2.51	0.66	0.13	A		349	759	0.08	0.09	0.03	A	
60	MC	475	634	4.70	0.64	0.12	A		816	293	0.21	0.16	0.02	A		161	948	0.12	0.14	0.03	A		349	759	0.05	0.07	0.03	A	
61	MC	475	634	9.08	0.90	0.19	A		816	293	3.31	-0.62	-0.14	A		161	948	0.03	0.07	0.01	A		349	759	0.15	0.12	0.03	A	
62	MC	475	634	0.20	0.14	0.02	A		816	293	16.86	-1.37	-0.32	B<		161	948	0.07	0.11	0.02	A		349	759	1.84	-0.46	-0.08	A	
63	MC	475	634	1.72	-0.50	-0.07	A		816	293	1.13	-0.44	-0.07	A		161	948	0.01	0.05	0.01	A		349	759	0.75	-0.36	-0.04	A	
64	MC	475	634	0.73	-0.27	-0.05	A		816	293	0.48	-0.24	-0.04	A		161	948	0.31	0.24	0.05	A		349	759	1.65	-0.44	-0.08	A	
65	MC	475	634	6.07	0.82	0.15	A		816	293	2.82	-0.63	-0.12	A		161	948	1.06	0.47	0.09	A		349	759	2.28	-0.57	-0.10	A	
66	MC	475	634	0.09	-0.09	-0.02	A		816	293	0.03	0.06	0.00	A		161	948	0.15	-0.17	-0.03	A		349	759	4.37	-0.72	-0.13	A	
67	MC	475	634	0.00	-0.02	0.00	A		816	293	3.95	-0.77	-0.14	A		161	948	2.10	-0.79	-0.12	A		349	759	0.85	-0.36	-0.06	A	
68	MC	475	634	0.04	-0.06	-0.01	A		816	293	0.08	-0.10	-0.02	A		161	948	1.57	-0.57	-0.11	A		349	759	1.21	-0.39	-0.07	A	
69	MC	475	634	0.14	-0.11	-0.03	A		816	293	5.01	-0.77	-0.16	A		161	948	0.10	0.13	0.03	A		349	759	3.84	-0.66	-0.13	A	
70	MC	475	634	1.66	-0.44	-0.08	A		816	293	0.44	-0.25	-0.04	A		161	948	0.40	0.29	0.05	A		349	759	1.00	-0.37	-0.06	A	
71	MC	456	595	0.23	-0.15	-0.03	A		767	284	2.22	0.52	0.11	A		92	959	0.27	-0.26	-0.06	A		331	720	5.25	-0.76	-0.14	A	
72	MC	456	595	0.55	0.23	0.04	A		767	284	0.40	-0.22	-0.04	A		92	959	1.46	-0.69	-0.12	A		331	720	6.25	-0.84	-0.16	A	
73	MC	456	595	1.51	0.49	0.07	A		767	284	0.82	0.39	0.05	A		92	959	0.01	0.07	0.01	A		331	720	5.27	-0.90	-0.15	A	
74	MC	456	595	15.64	1.70	0.23	C>		767	284	0.25	-0.23	-0.04	A		92	959	0.29	-0.38	-0.06	A		331	720	18.33	-1.81	-0.29	C<	
75	MC	456	595	1.57	0.39	0.08	A		767	284	2.93	-0.59	-0.10	A		92	959	0.95	-0.53	-0.10	A		331	720	2.52	-0.55	-0.11	A	
76	MC	456	595	19.13	1.37	0.27	B>		767	284	1.58	-0.43	-0.07	A		92	959	0.08	-0.16	-0.03	A		331	720	3.34	-0.60	-0.12	A	
77	MC	456	595	5.80	0.74	0.14	A		767	284	0.77	-0.31	-0.07	A		92	959	0.07	-0.14	-0.03	A		331	720	0.10	-0.11	-0.03	A	
78	MC	456	595	0.09	-0.09	-0.02	A		767	284	0.51	-0.24	-0.06	A		92	959	1.66	0.68	0.14	A		331	720	1.03	-0.32	-0.06	A	
79	MC	456	595	0.23	-0.16	-0.03	A		767	284	0.01	-0.03	0.00	A		92	959	0.48	0.40	0.07	A		331	720	0.01	0.04	0.00	A	
80	MC	456	595	0.85	0.29	0.06	A		767	284	1.31	-0.41	-0.08	A		92	959	0.03	-0.09	-0.02	A		331	720	2.58	-0.54	-0.10	A	
81	MC	456	595	1.47	-0.40	-0.07	A		767	284	0.01	0.04	0.01	A		92	959	1.08	0.56	0.11	A		331	720	0.54	-0.26	-0.04	A	
82	MC	456	595	0.48	0.21	0.04	A		767	284	0.81	-0.31	-0.06	A		92	959	0.50	0.38	0.08	A		331	720	2.11	0.48	0.09	A	
83	MC	456	595	1.35	-0.35	-0.07	A		767	284	1.17	0.37	0.06	A		92	959	0.09	-0.16	-0.03	A		331	720	0.25	0.16	0.03	A	
84	MC	456	595	1.82	-0.48	-0.08	A		767	284	0.21	-0.18	-0.04	A		92	959	0.73	0.50	0.09	A		331	720	0.16	-0.15	-0.02	A	
85	MC	456	595	0.72	0.29	0.06	A		767	284	0.42	-0.24	-0.03	A		92	959	0.07	-0.16	-0.03	A		331	720	0.12	-0.12	-0.02	A	
86	MC	456	595	2.11	0.47	0.09	A		767	284	0.40	-0.23	-0.05	A		92	959	3.00	-1.03	-0.18	A		331	720	2.71	-0.58	-0.10	A	
87	MC	456	595	0.65	-0.27	-0.05	A		767	284	0.19	-0.16	-0.03	A		92	959	3.85	1.06	0.21	A		331	720	1.59	-0.46	-0.08	A	
88	MC	456	595	0.01	0.03	0.01	A		767	284	2.29	0.59	0.09	A		92	959	0.01	0.07	0.01	A		331	720	0.84	-0.34	-0.05	A	
89	MC	456	595	0.41	-0.20	-0.04	A		767	284	1.93	-0.50	-0.11	A		92	959	0.99	0.55	0.11	A		331	720	0.99	0.34	0.07	A	
90	MC	456	595	0.98	0.32	0.05	A		767	284	2.51	0.60	0.10	A		92	959	0.05	-0.13	-0.02	A		331	720	0.24	0.17	0.03	A	
91	MC	456	595	1.91	-0.47	-0.10	A		767	284	0.47	-0.26	-0.05	A		92	959	0.46	0.39	0.08	A		331	720	0.56	0.28	0.06	A	
92	SA1	874	1230	2.31	-0.37	-0.06	A		1596	509	0.56	0.21	0.01	A		211	1894	0.29	-0.21	-0.04	A		674	1430	14.04	-1.01	-0.16	B<	
93	SA1	399	596	0.05	-0.08	-0.01	A		780	216	0.13	0.16	0.03	A		50	946	0.55	-0.68	-0.10	A		325	671	14.52	-1.59	-0.24	C<	
94	SA1	900	1199	0.03	-0.05	-0.01	A		1541	558	0.21	-0.13	-0.03	A		169	1930	0.88	-0.46	-0.07	A		648	1450	9.77	-0.93	-0.14	A	
95	SA1	444	604	0.71	-0.32	-0.06	A		774	274	0.49	-0.30	-0.04	A		77	971	0.01	-0.06	-0.01	A		317	730	15.34	-2.01	-0.24	C<	
96	SA1	475	634	3.38	-0.81	-0.12	A		816	293	0.80	0.47	0.05	A		161	948	2.00	0.78	0.12	A		349	759	6.80	-1.35	-0.17	B<	
97	SA1	456	595	0.25	0.21	0.03	A		767	284	2.48	-0.72	-0.13	A		92	959	0.83	0.65	0.09	A		331	720	8.22	-1.43	-0.18	B<	

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.41: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage IV**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
1	MC	3080	1124	4.63	0.48	0.07	A	3080	465	3.03	0.57	0.08	A	659	465	0.09	0.12	0.02	A	86	465	1.98	1.13	0.16	A
2	MC	3080	1124	0.00	-0.01	-0.01	A	3080	465	1.06	0.26	0.05	A	659	465	2.67	0.50	0.09	A	86	465	0.22	0.27	0.06	A
3	MC	3080	1124	13.16	-0.74	-0.12	A	3080	465	1.54	-0.37	-0.06	A	659	465	2.81	0.59	0.10	A	86	465	0.10	0.22	0.04	A
4	MC	3080	1124	0.01	-0.01	-0.01	A	3080	465	0.00	0.01	0.00	A	659	465	0.05	0.06	0.01	A	86	465	1.75	-0.77	-0.16	A
5	MC	3080	1124	0.04	-0.04	0.00	A	3080	465	0.60	0.19	0.04	A	659	465	1.31	0.35	0.07	A	86	465	1.13	-0.59	-0.11	A
6	MC	3080	1124	0.00	0.01	0.00	A	3080	465	0.54	-0.18	-0.04	A	659	465	1.25	-0.33	-0.09	A	86	465	0.05	0.13	0.03	A
7	MC	3080	1124	0.98	0.19	0.04	A	3080	465	0.74	0.23	0.04	A	659	465	0.03	0.06	0.01	A	86	465	0.56	-0.51	-0.09	A
8	MC	769	227	3.28	0.78	0.14	A	769	95	10.00	1.79	0.33	C>	132	95	6.27	1.87	0.33	A	3	95	0.92		0.52	
9	MC	769	227	0.23	0.19	0.01	A	769	95	0.58	0.45	0.05	A	132	95	0.32	0.39	0.04	A	3	95	2.47	-5.00	-0.56	A
10	MC	769	227	4.01	0.81	0.15	A	769	95	0.34	0.34	0.07	A	132	95	1.37	-0.84	-0.15	A	3	95	0.42		0.28	
11	MC	769	227	0.34	0.23	0.03	A	769	95	1.50	0.70	0.13	A	132	95	1.31	0.81	0.15	A	3	95	1.48		-0.79	
12	MC	769	227	10.10	-1.22	-0.24	B<	769	95	1.85	-0.76	-0.13	A	132	95	1.05	0.68	0.13	A	3	95	0.04	-0.52	-0.10	A
13	MC	769	227	0.15	0.15	0.04	A	769	95	1.08	0.56	0.13	A	132	95	1.05	0.71	0.12	A	3	95	1.02	-2.08	-0.51	A
14	MC	769	227	2.02	-0.53	-0.10	A	769	95	0.26	-0.28	-0.06	A	132	95	0.41	0.43	0.09	A	3	95	3.76		-1.17	
15	MC	769	227	4.67	-0.82	-0.16	A	769	95	5.59	-1.23	-0.25	A	132	95	0.98	-0.66	-0.13	A	3	95	1.59		-0.76	
16	MC	769	227	0.21	0.17	0.03	A	769	95	0.53	0.40	0.06	A	132	95	0.32	0.37	0.06	A	3	95	5.27		-1.37	
17	MC	769	227	0.17	-0.15	0.00	A	769	95	0.01	0.06	0.03	A	132	95	0.37	0.40	0.07	A	3	95	0.35	-1.99	-0.36	A
18	MC	769	227	1.74	-0.52	-0.09	A	769	95	0.59	0.48	0.10	A	132	95	4.82	1.60	0.30	A	3	95	0.89		-0.57	
19	MC	769	227	2.21	-0.59	-0.10	A	769	95	0.69	-0.48	-0.09	A	132	95	0.04	0.14	0.01	A	3	95	2.03		-0.93	
20	MC	769	227	5.55	1.10	0.18	A	769	95	1.50	0.80	0.12	A	132	95	0.35	-0.50	-0.07	A	3	95	0.73		-0.54	
21	MC	769	227	3.45	-0.73	-0.13	A	769	95	3.92	-1.06	-0.19	A	132	95	0.81	-0.60	-0.11	A	3	95	0.01	-0.33	-0.05	A
22	MC	769	227	1.72	0.52	0.10	A	769	95	5.34	1.41	0.25	A	132	95	3.95	1.46	0.27	A	3	95	0.03	0.56	0.09	A
23	MC	769	227	2.71	0.64	0.11	A	769	95	4.43	1.23	0.21	A	132	95	1.93	1.01	0.17	A	3	95	2.21		-0.84	
24	MC	769	227	1.30	0.46	0.09	A	769	95	3.45	1.13	0.21	A	132	95	2.39	1.14	0.21	A	3	95	0.26	1.76	0.28	A
25	MC	769	227	0.10	0.13	0.04	A	769	95	0.10	-0.18	-0.03	A	132	95	0.50	-0.52	-0.10	A	3	95	0.00	0.16	0.06	A
26	MC	769	227	6.93	-0.98	-0.22	A	769	95	1.50	-0.67	-0.15	A	132	95	0.73	0.57	0.11	A	3	95	1.49		-0.73	
27	MC	769	227	1.74	0.56	0.10	A	769	95	1.85	0.86	0.16	A	132	95	0.32	0.44	0.07	A	3	95	0.61		-0.39	
28	MC	769	227	0.02	0.06	0.01	A	769	95	0.13	0.22	0.02	A	132	95	0.16	0.29	0.06	A	3	95	0.96		-0.60	
29	MC	776	272	0.00	-0.02	0.00	A	776	102	4.11	1.20	0.20	A	170	102	6.91	2.08	0.31	C>	33	102	13.19		0.78	
30	MC	776	272	0.00	0.00	0.00	A	776	102	0.00	-0.04	0.00	A	170	102	0.00	-0.04	0.00	A	33	102	2.48	2.30	0.31	A
31	MC	776	272	0.73	-0.44	-0.06	A	776	102	0.38	-0.49	-0.07	A	170	102	0.00	-0.06	-0.05	A	33	102	2.76	3.56	0.36	A
32	MC	776	272	2.75	-0.59	-0.11	A	776	102	0.00	0.03	0.00	A	170	102	1.95	0.91	0.18	A	33	102	0.11	0.35	0.06	A
33	MC	776	272	1.43	-0.42	-0.08	A	776	102	0.00	0.00	0.00	A	170	102	1.28	0.69	0.08	A	33	102	0.39	0.64	0.13	A
34	MC	776	272	1.46	-0.45	-0.09	A	776	102	0.57	0.45	0.08	A	170	102	4.59	1.46	0.23	A	33	102	0.01	0.12	-0.02	A
35	MC	776	272	0.39	0.22	0.05	A	776	102	0.00	-0.01	0.01	A	170	102	0.30	-0.36	-0.03	A	33	102	0.15	-0.36	-0.07	A
36	MC	776	272	1.35	0.41	0.07	A	776	102	0.08	0.15	0.02	A	170	102	0.44	-0.42	-0.09	A	33	102	0.00	-0.02	0.03	A
37	MC	776	272	0.25	-0.17	-0.03	A	776	102	0.24	0.26	0.05	A	170	102	1.09	0.67	0.12	A	33	102	1.18	1.11	0.22	A
38	MC	776	272	0.94	-0.34	-0.08	A	776	102	2.22	-0.78	-0.14	A	170	102	0.55	-0.49	-0.08	A	33	102	1.53	-1.47	-0.24	A
39	MC	776	272	0.10	-0.12	-0.01	A	776	102	1.19	0.62	0.11	A	170	102	2.44	1.05	0.16	A	33	102	2.22	1.54	0.30	A
40	MC	776	272	0.96	-0.36	-0.07	A	776	102	0.00	-0.02	0.00	A	170	102	0.71	0.56	0.10	A	33	102	0.50	0.72	0.13	A
41	MC	776	272	4.14	-0.90	-0.15	A	776	102	3.08	-1.09	-0.19	A	170	102	0.13	-0.27	-0.05	A	33	102	0.03	-0.22	-0.04	A
42	MC	776	272	0.66	-0.30	-0.04	A	776	102	0.62	-0.42	-0.08	A	170	102	0.30	-0.36	-0.10	A	33	102	1.66	-1.53	-0.21	A
43	MC	776	272	1.06	-0.36	-0.07	A	776	102	0.63	-0.41	-0.10	A	170	102	0.02	-0.07	-0.06	A	33	102	3.01	-2.00	-0.37	A
44	MC	776	272	0.07	-0.09	-0.01	A	776	102	0.51	0.37	0.06	A	170	102	0.82	0.55	0.08	A	33	102	0.98	0.92	0.25	A
45	MC	776	272	0.08	-0.10	-0.02	A	776	102	0.03	-0.10	-0.03	A	170	102	0.01	-0.06	-0.01	A	33	102	0.01	0.11	0.02	A
46	MC	776	272	0.71	-0.30	-0.06	A	776	102	5.04	-1.16	-0.23	A	170	102	5.52	-1.49	-0.26	A	33	102	0.56	-0.76	-0.13	A
47	MC	776	272	0.14	-0.13	-0.03	A	776	102	0.00	0.00	0.00	A	170	102	0.28	0.34	0.05	A	33	102	0.68	0.81	0.14	A
48	MC	776	272	1.46	0.42	0.08	A	776	102	0.61	0.40	0.08	A	170	102	0.00	-0.03	-0.04	A	33	102	1.03	-1.08	-0.19	A
49	MC	776	272	0.01	0.04	0.00	A	776	102	0.25	0.28	0.05	A	170	102	0.27	0.34	0.09	A	33	102	0.20	-0.44	-0.09	A
50	MC	764	345	2.99	0.55	0.12	A	764	167	1.57	0.51	0.09	A	178	167	0.32	-0.32	-0.09	A	39	167	1.03	-0.89	-0.17	A
51	MC	764	345	0.29	-0.20	-0.04	A	764	167	0.25	-0.25	-0.04	A	178	167	0.01	0.05	0.00	A	39	167	1.13	-1.05	-0.18	A



**Table F.41: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage IV**

Item	Item Type	Focal Group: Spanish							Focal Group: Spanish							Focal Group: Non-Spanish							Focal Group: American Indian						
		Reference Group: Non-Spanish							Reference Group: English							Reference Group: English							Reference Group: English						
		NF	NR	MHχ²	ΔMH	SMD	Flag		NF	NR	MHχ²	ΔMH	SMD	Flag		NF	NR	MHχ²	ΔMH	SMD	Flag		NF	NR	MHχ²	ΔMH	SMD	Flag	
52	MC	764	345	1.39	-0.56	-0.08	A		764	167	0.58	-0.50	-0.08	A		178	167	0.15	0.36	-0.09	A		39	167	0.12	0.48	0.06	A	
53	MC	764	345	0.10	-0.11	-0.01	A		764	167	3.41	0.83	0.16	A		178	167	9.57	1.93	0.41	C>		39	167	5.92	2.27	0.43	A	
54	MC	764	345	12.21	-1.11	-0.23	B<		764	167	6.62	-1.05	-0.19	A		178	167	0.20	0.26	0.13	A		39	167	0.98	0.90	0.17	A	
55	MC	764	345	1.28	0.37	0.06	A		764	167	0.87	0.40	0.08	A		178	167	0.07	0.16	0.06	A		39	167	1.10	-0.93	-0.17	A	
56	MC	764	345	0.30	0.20	0.05	A		764	167	0.62	0.39	0.06	A		178	167	0.03	0.13	0.03	A		39	167	0.40	-0.71	-0.12	A	
57	MC	764	345	0.02	0.05	0.02	A		764	167	3.49	0.85	0.15	A		178	167	6.04	1.44	0.28	A		39	167	3.82	1.64	0.36	A	
58	MC	764	345	1.09	-0.35	-0.04	A		764	167	0.02	-0.07	-0.04	A		178	167	0.02	0.08	-0.02	A		39	167	1.73	-1.34	-0.24	A	
59	MC	764	345	0.62	-0.25	-0.05	A		764	167	1.79	-0.54	-0.11	A		178	167	1.18	-0.60	-0.12	A		39	167	0.00	0.04	0.00	A	
60	MC	764	345	0.70	-0.26	-0.07	A		764	167	1.58	-0.52	-0.09	A		178	167	0.21	-0.26	-0.01	A		39	167	0.29	-0.45	-0.08	A	
61	MC	764	345	2.87	-0.54	-0.12	A		764	167	1.15	-0.45	-0.08	A		178	167	0.56	0.42	0.09	A		39	167	0.23	0.41	0.08	A	
62	MC	764	345	5.65	-0.77	-0.17	A		764	167	0.27	-0.22	-0.04	A		178	167	7.00	1.51	0.22	C>		39	167	0.59	0.69	0.12	A	
63	MC	764	345	0.00	-0.02	0.01	A		764	167	0.13	-0.19	-0.04	A		178	167	0.80	-0.65	-0.11	A		39	167	0.95	-1.16	-0.19	A	
64	MC	764	345	1.20	-0.36	-0.07	A		764	167	0.40	-0.27	-0.06	A		178	167	0.11	0.19	0.01	A		39	167	0.81	-0.85	-0.17	A	
65	MC	764	345	1.85	-0.48	-0.10	A		764	167	0.03	0.09	0.01	A		178	167	4.89	1.33	0.15	A		39	167	1.23	1.04	0.20	A	
66	MC	764	345	0.07	-0.09	-0.03	A		764	167	0.12	-0.15	-0.03	A		178	167	0.01	0.05	-0.04	A		39	167	0.00	-0.01	0.00	A	
67	MC	764	345	3.55	-0.70	-0.13	A		764	167	1.97	-0.68	-0.12	A		178	167	0.05	0.14	0.02	A		39	167	0.00	-0.06	-0.01	A	
68	MC	764	345	0.69	0.29	0.06	A		764	167	1.99	0.65	0.13	A		178	167	1.25	0.71	0.20	A		39	167	3.99	-2.59	-0.34	A	
69	MC	764	345	4.99	-0.72	-0.15	A		764	167	2.48	-0.65	-0.12	A		178	167	0.37	0.35	0.05	A		39	167	0.87	-0.85	-0.17	A	
70	MC	764	345	0.90	-0.34	-0.06	A		764	167	0.17	-0.20	-0.04	A		178	167	0.29	0.33	0.01	A		39	167	1.93	1.23	0.26	A	
71	MC	771	280	7.46	0.96	0.19	A		771	101	3.16	0.91	0.19	A		179	101	0.02	-0.08	-0.03	A		11	101	0.22	0.76	0.14	A	
72	MC	771	280	0.03	0.06	0.02	A		771	101	0.23	0.25	0.05	A		179	101	0.20	0.28	0.04	A		11	101	0.02	0.26	0.04	A	
73	MC	771	280	0.11	0.14	0.01	A		771	101	0.92	-0.63	-0.08	A		179	101	2.41	-1.15	-0.22	A		11	101	0.00	-0.01	0.00	A	
74	MC	771	280	1.40	-0.55	-0.08	A		771	101	0.79	-0.65	-0.09	A		179	101	0.02	-0.13	-0.02	A		11	101	1.57	-2.55	-0.35	A	
75	MC	771	280	3.16	-0.63	-0.14	A		771	101	0.01	0.04	0.02	A		179	101	2.78	1.04	0.19	A		11	101	0.33	0.98	0.19	A	
76	MC	771	280	8.94	-1.05	-0.19	B<		771	101	1.92	-0.73	-0.13	A		179	101	0.73	0.54	0.12	A		11	101	0.47	-1.04	-0.23	A	
77	MC	771	280	1.64	-0.45	-0.09	A		771	101	0.41	0.34	0.10	A		179	101	3.71	1.19	0.22	A		11	101	2.35	2.37	0.49	A	
78	MC	771	280	0.10	0.11	0.02	A		771	101	0.38	0.30	0.09	A		179	101	0.27	0.31	0.06	A		11	101	0.76	1.37	0.29	A	
79	MC	771	280	0.03	-0.07	-0.01	A		771	101	1.55	-0.70	-0.15	A		179	101	1.91	-0.90	-0.12	A		11	101	0.58	-1.63	-0.22	A	
80	MC	771	280	1.83	-0.49	-0.09	A		771	101	2.70	-0.90	-0.17	A		179	101	0.91	-0.61	-0.11	A		11	101	1.56	-2.49	-0.37	A	
81	MC	771	280	1.27	-0.42	-0.08	A		771	101	1.39	-0.64	-0.13	A		179	101	0.30	-0.35	-0.07	A		11	101	2.68	-4.46	-0.50	A	
82	MC	771	280	1.11	-0.36	-0.05	A		771	101	1.61	-0.65	-0.11	A		179	101	0.60	-0.47	-0.10	A		11	101	0.12	-0.55	-0.11	A	
83	MC	771	280	0.21	-0.16	-0.05	A		771	101	2.52	-0.81	-0.19	A		179	101	2.76	-1.01	-0.19	A		11	101	0.02	-0.23	-0.05	A	
84	MC	771	280	0.16	0.16	-0.03	A		771	101	0.64	-0.46	-0.13	A		179	101	1.51	-0.93	-0.13	A		11	101	0.64	1.23	0.24	A	
85	MC	771	280	1.59	-0.48	-0.07	A		771	101	0.46	-0.38	-0.07	A		179	101	0.02	0.09	0.03	A		11	101	0.00	0.03	0.01	A	
86	MC	771	280	0.52	-0.26	-0.05	A		771	101	0.00	0.02	0.02	A		179	101	0.46	0.45	0.09	A		11	101	0.04	-0.30	-0.07	A	
87	MC	771	280	0.26	-0.19	-0.03	A		771	101	0.57	-0.42	-0.07	A		179	101	0.33	-0.38	-0.06	A		11	101	5.18	3.52	0.71	A	
88	MC	771	280	0.81	0.35	0.05	A		771	101	1.07	0.58	0.14	A		179	101	0.33	0.39	0.04	A		11	101	4.77	3.00	0.69	A	
89	MC	771	280	5.30	-0.83	-0.20	A		771	101	4.44	-1.11	-0.26	A		179	101	0.45	-0.43	-0.09	A		11	101	0.25	0.76	0.17	A	
90	MC	771	280	1.40	0.45	0.11	A		771	101	2.42	0.95	0.18	A		179	101	1.00	0.71	0.12	A		11	101	3.09	2.70	0.58	A	
91	MC	771	280	0.91	0.38	0.04	A		771	101	3.20	1.16	0.22	A		179	101	3.09	1.25	0.15	A		11	101	0.87	1.64	0.29	A	
92	SA1	1533	572	1.56	0.34	0.05	A		1533	262	0.08	0.10	0.02	A		310	262	0.62	-0.38	-0.06	A		42	262	2.66	1.33	0.25	A	
93	SA1	769	227	0.03	-0.07	-0.01	A		769	95	1.23	-0.65	-0.12	A		132	95	1.81	-1.00	-0.17	A		3	95	0.05	-0.55	-0.18	A	
94	SA1	1547	552	0.01	0.03	0.01	A		1547	203	0.87	-0.38	-0.06	A		349	203	2.06	-0.72	-0.14	A		44	203	0.47	-0.66	-0.11	A	
95	SA1	776	272	0.02	-0.07	-0.01	A		776	102	0.21	-0.28	-0.06	A		170	102	0.16	-0.30	-0.06	A		33	102	0.41	-0.84	-0.14	A	
96	SA1	764	345	0.10	0.15	0.01	A		764	167	0.15	-0.23	-0.03	A		178	167	0.70	-0.72	-0.06	A		39	167	0.11	0.40	0.06	A	
97	SA1	771	280	3.50	-0.88	-0.15	A		771	101	1.62	-0.86	-0.13	A		179	101	0.00	0.03	-0.02	A		11	101	0.00	0.08	0.02	A	

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.42: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Reading on Stage IV**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FEP Reference Group: ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
1	MC	4204	1691	0.05	0.06	0.04	A	278	4204	1.63	0.92	0.05	A	5085	777	0.00	0.00	0.02	A
2	MC	4204	1691	21.49	-0.78	-0.06	A	278	4204	0.57	0.23	0.05	A	5085	777	10.41	-0.64	-0.10	A
3	MC	4204	1691	78.69	-1.63	-0.14	C<	278	4204	5.73	0.80	0.16	A	5085	777	5.82	-0.52	-0.03	A
4	MC	4204	1691	33.29	-0.95	-0.04	A	278	4204	4.66	0.66	0.15	A	5085	777	1.19	-0.21	0.00	A
5	MC	4204	1691	9.16	-0.56	-0.05	A	278	4204	11.02	1.21	0.20	B>	5085	777	0.06	-0.05	0.02	A
6	MC	4204	1691	101.98	-1.74	-0.28	C<	278	4204	19.17	1.42	0.28	B>	5085	777	8.40	-0.61	-0.08	A
7	MC	4204	1691	65.58	-1.41	-0.15	B<	278	4204	9.57	0.97	0.22	A	5085	777	12.45	-0.75	-0.08	A
8	MC	996	423	0.36	0.28	0.04	A	76	996	0.13	0.37	0.03	A	1220	187	0.24	-0.27	-0.06	A
9	MC	996	423	0.51	0.30	0.07	A	76	996	0.45	0.53	0.05	A	1220	187	0.15	0.19	0.05	A
10	MC	996	423	2.51	-0.78	-0.19	A	76	996	0.15	0.36	0.04	A	1220	187	1.13	0.53	0.07	A
11	MC	996	423	4.86	-0.77	-0.12	A	76	996	1.40	0.73	0.17	A	1220	187	1.00	-0.42	-0.02	A
12	MC	996	423	3.85	-0.72	0.02	A	76	996	1.19	0.65	0.14	A	1220	187	0.71	-0.36	-0.04	A
13	MC	996	423	0.25	-0.19	-0.02	A	76	996	3.11	1.33	0.19	A	1220	187	0.11	-0.16	-0.03	A
14	MC	996	423	17.26	-1.49	-0.26	B<	76	996	0.76	0.56	0.11	A	1220	187	0.78	0.41	0.10	A
15	MC	996	423	7.32	-0.95	-0.07	A	76	996	0.30	0.34	0.08	A	1220	187	2.18	-0.65	-0.03	A
16	MC	996	423	2.49	-0.58	-0.03	A	76	996	0.01	0.07	0.01	A	1220	187	0.40	-0.30	-0.02	A
17	MC	996	423	0.66	-0.28	0.05	A	76	996	3.45	1.09	0.25	A	1220	187	0.45	-0.27	-0.01	A
18	MC	996	423	12.95	-1.29	-0.21	B<	76	996	5.01	1.37	0.31	A	1220	187	7.93	-1.23	-0.18	B<
19	MC	996	423	0.09	-0.11	0.13	A	76	996	0.13	-0.23	-0.04	A	1220	187	1.00	-0.40	-0.06	A
20	MC	996	423	0.00	0.01	0.05	A	76	996	0.41	0.43	0.09	A	1220	187	1.25	-0.49	0.07	A
21	MC	996	423	7.88	-0.99	-0.13	A	76	996	0.01	0.06	0.02	A	1220	187	4.23	-0.82	-0.16	A
22	MC	996	423	7.37	-0.97	-0.11	A	76	996	5.18	1.38	0.30	A	1220	187	0.03	-0.08	0.00	A
23	MC	996	423	1.92	-0.55	-0.09	A	76	996	4.36	1.37	0.25	A	1220	187	0.48	0.34	0.07	A
24	MC	996	423	2.54	-0.58	-0.02	A	76	996	0.31	0.34	0.09	A	1220	187	2.15	-0.63	-0.05	A
25	MC	996	423	2.00	-0.53	-0.01	A	76	996	0.60	0.49	0.11	A	1220	187	0.08	0.12	0.12	A
26	MC	996	423	12.60	-1.24	-0.16	B<	76	996	2.32	0.92	0.21	A	1220	187	0.41	-0.27	-0.02	A
27	MC	996	423	16.63	-1.45	-0.15	B<	76	996	2.10	0.92	0.21	A	1220	187	4.81	-0.90	-0.16	A
28	MC	996	423	12.64	-1.27	-0.12	B<	76	996	0.68	0.53	0.13	A	1220	187	1.74	-0.57	-0.01	A
29	MC	1048	433	0.01	0.04	0.00	A	74	1048	1.81	1.97	0.12	A	1284	193	2.11	-0.88	-0.12	A
30	MC	1048	433	0.10	0.15	-0.02	A	74	1048	0.30	0.60	0.05	A	1284	193	0.47	0.37	0.06	A
31	MC	1048	433	2.40	0.77	0.19	A	74	1048	1.61	3.40	0.08	A	1284	193	0.94	0.62	0.09	A
32	MC	1048	433	4.54	-0.74	-0.03	A	74	1048	0.05	-0.14	-0.03	A	1284	193	3.17	-0.69	-0.11	A
33	MC	1048	433	3.21	-0.63	-0.03	A	74	1048	0.53	0.46	0.10	A	1284	193	0.36	-0.24	-0.02	A
34	MC	1048	433	7.49	-0.97	-0.03	A	74	1048	0.21	-0.30	-0.05	A	1284	193	1.53	-0.52	-0.02	A
35	MC	1048	433	3.86	-0.77	-0.08	A	74	1048	1.21	0.72	0.13	A	1284	193	1.08	-0.49	-0.05	A
36	MC	1048	433	0.69	0.30	0.12	A	74	1048	0.87	0.67	0.10	A	1284	193	0.00	0.01	0.01	A
37	MC	1048	433	3.03	-0.62	0.05	A	74	1048	1.17	0.67	0.13	A	1284	193	0.02	0.06	0.08	A
38	MC	1048	433	2.70	-0.58	-0.05	A	74	1048	0.39	0.38	0.08	A	1284	193	6.87	-1.12	-0.16	B<
39	MC	1048	433	18.20	-1.45	-0.17	B<	74	1048	1.25	0.68	0.15	A	1284	193	10.56	-1.29	-0.20	B<
40	MC	1048	433	15.98	-1.37	-0.14	B<	74	1048	1.79	0.80	0.17	A	1284	193	2.81	-0.67	-0.04	A
41	MC	1048	433	44.97	-2.55	-0.15	C<	74	1048	2.05	0.97	0.19	A	1284	193	13.11	-1.70	-0.15	C<
42	MC	1048	433	6.57	-0.89	-0.07	A	74	1048	0.16	0.24	0.05	A	1284	193	0.07	-0.11	0.03	A
43	MC	1048	433	19.41	-1.48	-0.13	B<	74	1048	0.12	-0.21	-0.04	A	1284	193	1.58	-0.52	-0.03	A
44	MC	1048	433	2.01	-0.53	0.04	A	74	1048	3.30	1.18	0.22	A	1284	193	2.14	-0.63	-0.10	A
45	MC	1048	433	5.00	-0.89	-0.12	A	74	1048	1.72	0.98	0.13	A	1284	193	0.21	0.22	0.07	A
46	MC	1048	433	10.09	-1.09	-0.16	B<	74	1048	1.90	0.82	0.18	A	1284	193	10.06	-1.24	-0.23	B<
47	MC	1048	433	0.57	-0.28	0.02	A	74	1048	0.02	-0.09	-0.02	A	1284	193	0.00	-0.01	0.01	A
48	MC	1048	433	3.80	-0.69	0.00	A	74	1048	0.37	0.36	0.08	A	1284	193	0.10	0.15	0.11	A
49	MC	1048	433	0.18	-0.17	0.03	A	74	1048	0.00	-0.05	0.00	A	1284	193	3.26	-0.89	-0.11	A
50	MC	1109	435	29.52	-1.77	-0.26	C<	61	1109	0.19	0.30	0.06	A	1305	234	3.49	-0.69	-0.12	A
51	MC	1109	435	0.02	0.06	0.05	A	61	1109	0.02	0.16	0.02	A	1305	234	0.27	0.23	0.05	A
52	MC	1109	435	1.25	0.58	0.07	A	61	1109	0.08	0.53	0.03	A	1305	234	0.00	-0.04	0.01	A

**Table F.42: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Reading on Stage IV**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL							Focal Group: FEP Reference Group: ELL							Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
53	MC	1109	435	0.24	-0.20	-0.04	A		61	1109	0.09	-0.25	-0.04	A		1305	234	2.01	-0.61	-0.10	A	
54	MC	1109	435	5.39	-0.81	-0.08	A		61	1109	4.69	1.62	0.28	A		1305	234	1.18	0.45	0.08	A	
55	MC	1109	435	3.06	-0.61	-0.05	A		61	1109	1.09	-0.69	-0.14	A		1305	234	0.35	-0.23	0.00	A	
56	MC	1109	435	0.75	0.32	0.02	A		61	1109	0.06	-0.20	-0.03	A		1305	234	0.00	-0.01	0.00	A	
57	MC	1109	435	12.16	-1.12	-0.10	B<		61	1109	3.19	1.16	0.26	A		1305	234	3.95	-0.73	-0.11	A	
58	MC	1109	435	0.19	-0.14	-0.02	A		61	1109	0.07	0.17	0.02	A		1305	234	0.02	0.05	0.03	A	
59	MC	1109	435	0.00	0.01	0.07	A		61	1109	0.32	0.39	0.08	A		1305	234	0.14	0.14	0.05	A	
60	MC	1109	435	16.56	-1.39	-0.15	B<		61	1109	0.77	0.61	0.13	A		1305	234	5.36	-0.91	-0.14	A	
61	MC	1109	435	15.09	-1.26	-0.17	B<		61	1109	1.24	0.74	0.16	A		1305	234	0.79	-0.33	-0.04	A	
62	MC	1109	435	11.77	-1.13	-0.14	B<		61	1109	2.96	1.14	0.25	A		1305	234	0.94	0.37	0.07	A	
63	MC	1109	435	16.81	-1.48	-0.21	B<		61	1109	0.02	-0.12	-0.03	A		1305	234	6.85	-0.99	-0.17	A	
64	MC	1109	435	23.03	-1.53	-0.18	C<		61	1109	6.88	1.67	0.37	C>		1305	234	0.00	-0.02	0.02	A	
65	MC	1109	435	0.00	-0.01	0.01	A		61	1109	0.29	-0.38	-0.08	A		1305	234	2.22	0.59	0.11	A	
66	MC	1109	435	11.26	-1.12	-0.09	B<		61	1109	3.47	1.25	0.28	A		1305	234	2.69	-0.63	-0.10	A	
67	MC	1109	435	8.68	-1.10	-0.11	B<		61	1109	3.00	-1.81	-0.22	A		1305	234	0.47	-0.27	-0.03	A	
68	MC	1109	435	20.04	-1.49	-0.15	B<		61	1109	0.93	0.64	0.15	A		1305	234	6.67	-0.98	-0.16	A	
69	MC	1109	435	7.37	-0.91	-0.05	A		61	1109	5.33	1.58	0.34	A		1305	234	0.83	-0.34	-0.06	A	
70	MC	1109	435	16.46	-1.35	-0.16	B<		61	1109	0.00	-0.02	0.00	A		1305	234	3.01	-0.63	-0.11	A	
71	MC	1051	400	4.08	-0.77	-0.16	A		67	1051	0.02	-0.08	-0.02	A		1276	163	6.80	-1.22	-0.21	B<	
72	MC	1051	400	1.06	-0.44	-0.09	A		67	1051	2.62	1.41	0.17	A		1276	163	1.95	-0.68	-0.14	A	
73	MC	1051	400	0.42	0.36	0.02	A		67	1051	2.68	3.51	0.11	A		1276	163	0.01	-0.05	0.00	A	
74	MC	1051	400	0.13	-0.21	-0.04	A		67	1051	1.28	-1.26	-0.09	A		1276	163	1.26	-0.89	-0.09	A	
75	MC	1051	400	0.25	-0.19	0.02	A		67	1051	0.65	0.53	0.11	A		1276	163	0.09	0.13	0.02	A	
76	MC	1051	400	1.21	0.40	0.21	A		67	1051	3.43	1.43	0.23	A		1276	163	0.56	0.34	0.06	A	
77	MC	1051	400	5.35	-0.84	-0.06	A		67	1051	4.21	1.32	0.28	A		1276	163	0.47	0.30	0.06	A	
78	MC	1051	400	0.00	-0.01	0.05	A		67	1051	1.76	0.90	0.16	A		1276	163	1.90	-0.62	-0.10	A	
79	MC	1051	400	5.52	-0.87	-0.02	A		67	1051	0.00	0.02	0.01	A		1276	163	1.71	-0.58	-0.09	A	
80	MC	1051	400	0.00	0.03	0.01	A		67	1051	4.10	1.58	0.21	A		1276	163	1.15	-0.53	-0.08	A	
81	MC	1051	400	0.32	-0.21	0.04	A		67	1051	1.28	0.71	0.16	A		1276	163	0.00	0.03	-0.01	A	
82	MC	1051	400	3.00	-0.61	0.01	A		67	1051	0.62	0.48	0.10	A		1276	163	0.00	-0.01	0.05	A	
83	MC	1051	400	8.92	-1.04	-0.15	B<		67	1051	0.44	0.41	0.08	A		1276	163	0.49	-0.30	-0.02	A	
84	MC	1051	400	7.98	-1.08	0.00	B<		67	1051	1.11	0.69	0.16	A		1276	163	2.01	-0.63	-0.11	A	
85	MC	1051	400	0.20	-0.17	0.03	A		67	1051	0.08	-0.20	-0.04	A		1276	163	0.18	0.19	0.05	A	
86	MC	1051	400	4.36	-0.76	-0.04	A		67	1051	0.71	0.52	0.11	A		1276	163	0.50	-0.33	-0.02	A	
87	MC	1051	400	3.91	-0.73	0.02	A		67	1051	0.78	0.57	0.12	A		1276	163	0.58	-0.34	-0.03	A	
88	MC	1051	400	5.44	-0.88	-0.07	A		67	1051	6.92	1.67	0.37	C>		1276	163	0.01	0.05	0.00	A	
89	MC	1051	400	8.06	-1.04	-0.15	B<		67	1051	4.62	1.33	0.29	A		1276	163	1.29	-0.50	-0.10	A	
90	MC	1051	400	6.06	-0.89	-0.07	A		67	1051	0.49	-0.47	-0.09	A		1276	163	3.65	-0.83	-0.12	A	
91	MC	1051	400	10.25	-1.18	-0.15	B<		67	1051	0.29	0.35	0.07	A		1276	163	0.93	-0.43	-0.04	A	
92	SA1	2105	858	59.37	-1.90	-0.20	C<		137	2105	7.46	1.18	0.26	B>		2525	421	1.76	-0.41	-0.04	A	
93	SA1	996	423	10.18	-1.19	-0.07	B<		76	996	2.91	1.03	0.25	A		1220	187	0.64	-0.35	0.03	A	
94	SA1	2099	833	88.19	-2.41	-0.20	C<		141	2099	8.96	1.31	0.30	B>		2560	356	9.45	-1.00	-0.12	A	
95	SA1	1048	433	39.98	-2.35	-0.23	C<		74	1048	5.38	1.41	0.32	A		1284	193	3.78	-0.85	-0.11	A	
96	SA1	1109	435	27.00	-2.05	-0.15	C<		61	1109	5.51	1.63	0.33	A		1305	234	3.06	-0.75	-0.11	A	
97	SA1	1051	400	43.16	-2.61	-0.24	C<		67	1051	0.66	0.57	0.14	A		1276	163	3.73	-0.91	-0.14	A	

Note: MC=Multiple-choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.43: DIF Statistics based on ELL Students for Items in Writing on Stage IV**

		Focal Group: Female							Focal Group: Hispanic							Focal Group: American Indian							Focal Group: Special Education						
		Reference Group: Male							Reference Group: Non-Hispanic							Reference Group: Non-American Indian							Reference Group: Non-Special Education						
Item	Item Type	NF	NR	MHχ <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHχ <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHχ <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHχ <sup>2</sup>	ΔMH	SMD	Flag				
98	MC	1774	2429	4.55	-0.35	-0.06	A	3137	1067	2.21	-0.28	-0.06	A	380	3824	8.23	0.86	0.15	A	1322	2880	1.87	0.24	0.04	A				
99	MC	1774	2429	24.77	0.99	0.15	A	3137	1067	4.92	-0.49	-0.07	A	380	3824	0.16	0.14	0.02	A	1322	2880	51.25	-1.41	-0.25	B<				
100	MC	1774	2429	0.04	0.03	0.01	A	3137	1067	3.24	0.31	0.07	A	380	3824	1.40	-0.31	-0.06	A	1322	2880	0.40	0.10	0.02	A				
101	MC	399	596	0.13	-0.21	-0.03	A	780	216	1.78	0.86	0.05	A	50	946	0.65	1.17	0.12	A	325	671	1.72	-0.75	-0.09	A				
102	MC	399	596	0.20	-0.18	-0.03	A	780	216	0.39	-0.30	-0.05	A	50	946	0.39	0.58	0.09	A	325	671	0.11	-0.14	-0.03	A				
103	MC	399	596	2.75	0.53	0.11	A	780	216	0.82	0.35	0.07	A	50	946	0.57	-0.55	-0.11	A	325	671	1.38	-0.40	-0.07	A				
104	MC	399	596	0.25	0.16	0.04	A	780	216	1.10	0.40	0.07	A	50	946	2.44	1.08	0.22	A	325	671	3.85	-0.66	-0.14	A				
105	MC	399	596	5.87	1.15	0.15	A	780	216	0.01	0.05	-0.02	A	50	946	0.15	-0.38	-0.05	A	325	671	14.63	-1.71	-0.27	C<				
106	MC	399	596	3.43	0.60	0.11	A	780	216	0.12	0.14	0.00	A	50	946	0.13	-0.27	-0.05	A	325	671	6.26	-0.87	-0.16	A				
107	MC	399	596	0.84	-0.29	-0.06	A	780	216	4.22	0.79	0.14	A	50	946	0.00	0.00	0.00	A	325	671	0.16	0.13	0.03	A				
108	MC	399	596	0.34	0.24	0.03	A	780	216	0.01	-0.05	-0.02	A	50	946	1.23	1.12	0.15	A	325	671	0.09	0.13	0.01	A				
109	MC	399	596	5.74	0.79	0.15	A	780	216	2.62	0.67	0.12	A	50	946	0.04	0.15	0.03	A	325	671	0.57	-0.27	-0.04	A				
110	MC	399	596	0.00	-0.01	0.00	A	780	216	2.13	0.57	0.10	A	50	946	0.55	-0.53	-0.10	A	325	671	0.65	-0.28	-0.06	A				
111	MC	399	596	7.95	0.90	0.18	A	780	216	1.35	-0.44	-0.11	A	50	946	0.02	0.10	0.02	A	325	671	0.03	-0.06	-0.01	A				
112	MC	399	596	2.19	0.50	0.08	A	780	216	0.21	-0.19	-0.07	A	50	946	0.00	0.04	0.01	A	325	671	4.28	-0.72	-0.15	A				
113	MC	399	596	0.18	-0.14	-0.04	A	780	216	0.97	-0.39	-0.05	A	50	946	0.05	0.16	0.03	A	325	671	0.23	-0.17	-0.01	A				
114	MC	399	596	0.03	-0.05	-0.01	A	780	216	0.75	-0.32	-0.06	A	50	946	1.29	0.83	0.16	A	325	671	4.87	-0.73	-0.15	A				
115	MC	399	596	0.18	-0.16	-0.03	A	780	216	0.24	0.23	0.06	A	50	946	4.58	-2.55	-0.31	A	325	671	0.20	0.18	0.02	A				
116	MC	444	604	2.96	0.53	0.10	A	774	274	0.05	-0.08	-0.03	A	77	971	1.91	0.84	0.16	A	317	730	7.28	-0.90	-0.19	A				
117	MC	444	604	2.49	0.49	0.10	A	774	274	2.20	-0.53	-0.11	A	77	971	0.85	0.56	0.11	A	317	730	0.00	0.02	0.00	A				
118	MC	444	604	0.70	0.27	0.05	A	774	274	1.77	-0.48	-0.09	A	77	971	0.05	0.13	0.02	A	317	730	0.48	-0.25	-0.05	A				
119	MC	444	604	0.14	-0.12	-0.03	A	774	274	0.38	0.23	0.04	A	77	971	0.88	-0.59	-0.11	A	317	730	0.07	-0.10	-0.02	A				
120	MC	444	604	1.48	0.40	0.08	A	774	274	0.14	0.13	0.03	A	77	971	0.04	0.11	0.02	A	317	730	2.79	-0.58	-0.13	A				
121	MC	444	604	0.08	0.09	0.02	A	774	274	4.08	-0.69	-0.14	A	77	971	1.88	0.78	0.16	A	317	730	1.66	-0.43	-0.09	A				
122	MC	444	604	1.05	0.40	0.06	A	774	274	2.05	0.61	0.09	A	77	971	0.18	-0.30	-0.05	A	317	730	5.20	-0.90	-0.16	A				
123	MC	444	604	0.16	-0.15	-0.02	A	774	274	4.39	0.86	0.13	A	77	971	2.67	1.22	0.18	A	317	730	0.07	0.11	0.01	A				
124	MC	444	604	0.13	0.11	0.03	A	774	274	0.18	0.15	0.04	A	77	971	4.89	-1.36	-0.25	A	317	730	2.33	-0.53	-0.10	A				
125	MC	444	604	1.53	0.38	0.08	A	774	274	3.86	0.71	0.15	A	77	971	0.01	0.06	0.01	A	317	730	0.77	0.31	0.06	A				
126	MC	444	604	4.76	0.77	0.12	A	774	274	1.21	0.42	0.08	A	77	971	0.03	0.10	0.02	A	317	730	0.28	0.20	0.02	A				
127	MC	444	604	21.13	-1.38	-0.28	B<	774	274	0.50	-0.24	-0.04	A	77	971	0.81	0.52	0.10	A	317	730	1.26	0.38	0.05	A				
128	MC	444	604	0.78	-0.28	-0.05	A	774	274	0.42	-0.23	-0.03	A	77	971	0.06	-0.15	-0.03	A	317	730	0.63	-0.28	-0.07	A				
129	MC	444	604	0.27	0.18	0.03	A	774	274	0.59	-0.30	-0.05	A	77	971	0.09	-0.21	-0.03	A	317	730	2.79	-0.69	-0.10	A				
130	MC	444	604	4.76	0.69	0.13	A	774	274	1.39	-0.43	-0.09	A	77	971	1.07	-0.60	-0.12	A	317	730	0.96	-0.34	-0.05	A				
131	MC	475	634	8.04	1.22	0.16	B>	816	293	2.22	0.66	0.07	A	161	948	6.57	1.82	0.20	A	349	759	3.55	-0.77	-0.11	A				
132	MC	475	634	0.01	0.03	0.01	A	816	293	0.51	-0.23	-0.03	A	161	948	0.02	0.06	0.01	A	349	759	8.25	-0.90	-0.19	A				
133	MC	475	634	1.37	0.39	0.06	A	816	293	0.00	0.00	-0.01	A	161	948	3.13	0.90	0.15	A	349	759	9.13	-1.05	-0.21	B<				
134	MC	475	634	0.34	0.18	0.03	A	816	293	0.12	0.12	0.00	A	161	948	0.28	-0.22	-0.04	A	349	759	14.28	-1.20	-0.24	B<				
135	MC	475	634	0.05	0.06	0.02	A	816	293	6.34	-0.83	-0.14	A	161	948	0.15	0.16	0.03	A	349	759	2.13	-0.46	-0.09	A				
136	MC	475	634	0.21	-0.16	-0.03	A	816	293	0.12	-0.13	-0.03	A	161	948	1.14	-0.51	-0.08	A	349	759	0.10	0.11	0.02	A				
137	MC	475	634	6.55	-0.78	-0.15	A	816	293	5.34	0.81	0.15	A	161	948	0.63	-0.34	-0.06	A	349	759	0.77	-0.29	-0.05	A				
138	MC	475	634	0.39	-0.19	-0.03	A	816	293	0.21	-0.16	-0.04	A	161	948	3.87	-0.83	-0.16	A	349	759	3.47	-0.61	-0.11	A				
139	MC	475	634	13.32	-1.14	-0.20	B<	816	293	5.40	-0.83	-0.17	A	161	948	5.15	1.02	0.18	A	349	759	3.48	0.62	0.12	A				
140	MC	475	634	2.71	0.49	0.11	A	816	293	5.69	0.82	0.18	A	161	948	4.22	-0.87	-0.17	A	349	759	7.56	-0.90	-0.19	A				
141	MC	475	634	0.56	-0.24	-0.04	A	816	293	0.06	0.09	0.01	A	161	948	1.32	0.48	0.09	A	349	759	0.10	0.11	0.03	A				
142	MC	475	634	1.35	-0.43	-0.07	A	816	293	2.97	-0.70	-0.11	A	161	948	3.31	0.88	0.16	A	349	759	0.41	0.26	0.04	A				
143	MC	475	634	12.21	1.04	0.20	B>	816	293	0.00	-0.01	-0.02	A	161	948	0.55	-0.30	-0.07	A	349	759	12.36	-1.12	-0.22	B<				
144	MC	475	634	0.91	0.28	0.06	A	816	293	4.09	0.67	0.14	A	161	948	0.01	0.03	0.01	A	349	759	0.02	0.05	0.02	A				
145	MC	475	634	1.36	0.38	0.07	A	816	293	1.98	-0.54	-0.11	A	161	948	0.02	-0.07	-0.01	A	349	759	1.96	-0.46	-0.07	A				
146	MC	456	595	1.52	0.37	0.08	A	767	284	12.30	-1.19	-0.26	B<	92	959	1.48													

**Table F.43: DIF Statistics based on ELL Students for Items in Writing on Stage IV**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
149	MC	456	595	25.10	2.55	0.30	C>	767	284	6.10	-1.36	-0.15	A	92	959	0.52	-0.56	-0.08	A	331	720	22.19	-2.19	-0.32	C<
150	MC	456	595	6.54	-0.83	-0.15	A	767	284	0.32	-0.21	-0.04	A	92	959	0.29	0.30	0.05	A	331	720	0.48	0.24	0.05	A
151	MC	456	595	0.64	-0.27	-0.05	A	767	284	1.35	0.43	0.06	A	92	959	0.17	0.24	0.04	A	331	720	0.00	-0.01	0.00	A
152	MC	456	595	2.70	0.62	0.10	A	767	284	0.00	-0.02	0.00	A	92	959	0.23	0.31	0.05	A	331	720	0.19	-0.18	-0.04	A
153	MC	456	595	0.65	-0.28	-0.05	A	767	284	6.72	0.97	0.17	A	92	959	0.03	0.12	0.02	A	331	720	3.02	-0.63	-0.11	A
154	MC	456	595	5.63	-0.77	-0.14	A	767	284	0.20	0.16	0.02	A	92	959	0.90	0.53	0.10	A	331	720	0.06	-0.08	-0.02	A
155	MC	456	595	0.01	0.04	0.01	A	767	284	2.98	-0.83	-0.10	A	92	959	0.66	0.65	0.09	A	331	720	1.73	-0.57	-0.09	A
156	MC	456	595	5.61	-0.82	-0.15	A	767	284	0.58	0.30	0.05	A	92	959	0.00	0.01	0.00	A	331	720	1.07	0.38	0.06	A
157	MC	456	595	2.18	0.48	0.09	A	767	284	0.74	-0.32	-0.07	A	92	959	0.83	-0.48	-0.09	A	331	720	16.82	-1.43	-0.27	B<
158	MC	456	595	4.15	0.62	0.13	A	767	284	0.25	-0.17	-0.01	A	92	959	0.93	0.51	0.10	A	331	720	2.04	-0.47	-0.10	A
159	MC	456	595	0.90	-0.30	-0.06	A	767	284	0.02	-0.05	-0.01	A	92	959	0.01	-0.05	-0.01	A	331	720	4.23	0.68	0.14	A
160	MC	456	595	0.68	-0.27	-0.05	A	767	284	11.00	-1.18	-0.24	B<	92	959	1.67	-0.80	-0.14	A	331	720	6.05	0.84	0.15	A
161	ER	1774	2429	31.95		0.11	A	3137	1067	10.17		0.03	A	380	3824	7.67		0.09	A	1322	2880	36.20		-0.05	A
162	ER	399	596	19.32		0.20	B>	780	216	7.12		0.08	A	50	946	9.76		0.40	A	325	671	20.65		0.00	A
163	ER	399	596	12.66		0.16	A	780	216	4.08		0.08	A	50	946	5.83		0.22	A	325	671	4.57		0.04	A
164	ER	444	604	18.57		0.22	B>	774	274	0.49		0.03	A	77	971	2.07		0.09	A	317	730	8.08		0.11	A
165	ER	444	604	7.46		0.11	A	774	274	4.37		-0.07	A	77	971	6.29		0.14	A	317	730	3.33		0.09	A
166	ER	475	634	19.85		0.18	B>	816	293	15.03		0.10	A	161	948	18.78		0.03	A	349	759	2.05		-0.01	A
167	ER	475	634	31.48		0.17	B>	816	293	4.53		0.10	A	161	948	3.27		0.05	A	349	759	5.11		-0.12	A
168	ER	456	595	16.80		0.13	A	767	284	9.42		-0.07	A	92	959	10.96		0.26	A	331	720	11.18		-0.04	A
169	ER	456	595	38.20		0.29	C>	767	284	5.08		0.07	A	92	959	5.50		0.12	A	331	720	17.46		-0.09	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.44: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage IV**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish							Focal Group: Spanish Reference Group: English							Focal Group: Non-Spanish Reference Group: English							Focal Group: American Indian Reference Group: English						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
98	MC	3080	1124	2.77	-0.31	-0.06	A		3080	465	6.11	-0.67	-0.12	A		659	465	3.00	-0.57	-0.11	A		86	465	5.69	1.90	0.28	A	
99	MC	3080	1124	0.00	0.00	0.01	A		3080	465	4.26	0.60	0.10	A		659	465	6.60	0.94	0.15	A		86	465	1.97	1.02	0.15	A	
100	MC	3080	1124	5.85	0.41	0.09	A		3080	465	0.34	0.14	0.03	A		659	465	2.86	-0.51	-0.09	A		86	465	0.93	-0.57	-0.12	A	
101	MC	769	227	2.22	0.94	0.08	A		769	95	0.60	0.69	0.06	A		132	95	0.18	-0.46	-0.06	A		3	95			0.00		
102	MC	769	227	0.06	0.11	0.02	A		769	95	0.03	-0.12	-0.01	A		132	95	0.18	-0.34	-0.05	A		3	95	0.67		0.49		
103	MC	769	227	5.45	0.89	0.18	A		769	95	2.05	0.77	0.15	A		132	95	0.07	-0.19	-0.02	A		3	95	0.65	2.46	0.50	A	
104	MC	769	227	1.38	0.43	0.09	A		769	95	0.13	0.20	0.04	A		132	95	0.29	-0.36	-0.08	A		3	95	0.21	1.53	0.27	A	
105	MC	769	227	5.01	1.10	0.16	A		769	95	7.06	1.71	0.28	C>		132	95	1.80	1.12	0.16	A		3	95	0.40		0.28		
106	MC	769	227	0.01	0.04	-0.02	A		769	95	0.06	-0.13	-0.05	A		132	95	0.21	-0.32	-0.05	A		3	95	0.11	1.09	0.20	A	
107	MC	769	227	5.19	0.86	0.15	A		769	95	0.03	0.10	0.00	A		132	95	3.46	-1.29	-0.25	A		3	95	0.25	-1.50	-0.30	A	
108	MC	769	227	0.38	-0.29	-0.04	A		769	95	0.26	-0.34	-0.05	A		132	95	0.00	-0.04	0.00	A		3	95	0.61		0.43		
109	MC	769	227	1.81	0.54	0.09	A		769	95	0.01	0.05	0.01	A		132	95	1.77	-0.96	-0.17	A		3	95	1.21	3.81	0.65	A	
110	MC	769	227	3.17	0.68	0.13	A		769	95	2.08	0.78	0.14	A		132	95	0.05	0.15	0.03	A		3	95	0.01	-0.32	-0.06	A	
111	MC	769	227	1.87	-0.50	-0.10	A		769	95	0.25	-0.27	-0.05	A		132	95	0.44	0.44	0.09	A		3	95	0.05	0.68	0.12	A	
112	MC	769	227	2.70	0.66	0.08	A		769	95	10.05	1.79	0.30	C>		132	95	9.03	2.27	0.35	C>		3	95	0.16	1.40	0.22	A	
113	MC	769	227	1.11	0.42	0.09	A		769	95	4.23	1.24	0.25	A		132	95	3.38	1.33	0.26	A		3	95	4.80	7.81	1.20	A	
114	MC	769	227	1.26	-0.40	-0.07	A		769	95	0.18	-0.22	-0.03	A		132	95	0.34	0.37	0.07	A		3	95	0.00	0.09	0.00	A	
115	MC	769	227	0.78	0.41	0.07	A		769	95	0.10	0.21	0.05	A		132	95	0.23	-0.40	-0.07	A		3	95	0.56		-0.42		
116	MC	776	272	0.33	-0.20	-0.05	A		776	102	1.36	-0.62	-0.12	A		170	102	0.69	-0.53	-0.13	A		33	102	1.92	1.65	0.27	A	
117	MC	776	272	4.32	-0.75	-0.14	A		776	102	2.89	-0.94	-0.18	A		170	102	0.24	-0.31	-0.04	A		33	102	4.33	2.58	0.45	A	
118	MC	776	272	0.17	0.15	0.02	A		776	102	3.45	0.99	0.17	A		170	102	4.87	1.46	0.24	A		33	102	0.91	1.00	0.19	A	
119	MC	776	272	1.68	0.48	0.09	A		776	102	4.56	1.28	0.23	A		170	102	3.68	1.38	0.25	A		33	102	0.10	0.35	0.09	A	
120	MC	776	272	0.00	-0.01	0.00	A		776	102	0.00	0.02	-0.02	A		170	102	0.01	-0.05	-0.07	A		33	102	0.05	-0.23	-0.06	A	
121	MC	776	272	2.67	-0.56	-0.11	A		776	102	0.12	0.17	0.03	A		170	102	3.50	1.14	0.21	A		33	102	0.22	0.47	0.10	A	
122	MC	776	272	1.15	0.46	0.06	A		776	102	0.18	0.28	0.06	A		170	102	0.04	-0.14	-0.03	A		33	102	0.10	-0.38	-0.07	A	
123	MC	776	272	4.49	0.86	0.14	A		776	102	0.27	0.33	0.04	A		170	102	1.34	-0.83	-0.15	A		33	102	1.27	1.38	0.22	A	
124	MC	776	272	2.50	0.56	0.12	A		776	102	1.74	0.68	0.12	A		170	102	0.11	0.21	0.02	A		33	102	1.82	-1.48	-0.26	A	
125	MC	776	272	0.53	0.26	0.06	A		776	102	0.02	-0.08	-0.01	A		170	102	0.83	-0.58	-0.10	A		33	102	0.11	0.32	0.04	A	
126	MC	776	272	0.00	-0.01	0.01	A		776	102	0.01	-0.04	0.00	A		170	102	0.03	-0.12	-0.03	A		33	102	0.42	0.78	0.13	A	
127	MC	776	272	0.15	-0.13	-0.02	A		776	102	0.03	0.08	0.02	A		170	102	0.51	0.44	0.06	A		33	102	2.25	1.58	0.28	A	
128	MC	776	272	0.02	-0.04	0.00	A		776	102	0.09	0.16	0.03	A		170	102	0.22	0.30	0.08	A		33	102	0.03	0.19	0.02	A	
129	MC	776	272	3.76	-0.75	-0.14	A		776	102	2.20	-0.82	-0.15	A		170	102	0.03	-0.12	-0.04	A		33	102	0.00	-0.06	-0.01	A	
130	MC	776	272	1.22	-0.40	-0.07	A		776	102	0.09	0.16	0.04	A		170	102	2.19	0.94	0.15	A		33	102	0.01	0.08	0.09	A	
131	MC	764	345	1.79	0.57	0.06	A		764	167	0.10	0.20	0.04	A		178	167	0.20	-0.34	-0.04	A		39	167	0.90	1.26	0.18	A	
132	MC	764	345	0.01	0.03	0.01	A		764	167	0.89	0.38	0.07	A		178	167	1.32	0.63	0.10	A		39	167	2.65	1.43	0.29	A	
133	MC	764	345	0.18	0.15	0.02	A		764	167	0.42	0.30	0.05	A		178	167	0.40	0.39	0.05	A		39	167	0.00	0.06	0.01	A	
134	MC	764	345	2.11	0.47	0.07	A		764	167	3.10	0.74	0.16	A		178	167	3.01	1.00	0.16	A		39	167	0.00	0.04	0.02	A	
135	MC	764	345	5.87	-0.76	-0.14	A		764	167	0.53	-0.30	-0.06	A		178	167	1.99	0.78	0.19	A		39	167	0.02	0.11	0.03	A	
136	MC	764	345	0.31	0.20	0.04	A		764	167	1.96	0.68	0.11	A		178	167	1.38	0.76	0.16	A		39	167	0.04	-0.19	-0.02	A	
137	MC	764	345	2.85	0.55	0.10	A		764	167	0.37	0.26	0.05	A		178	167	1.23	-0.63	-0.09	A		39	167	0.51	-0.64	-0.12	A	
138	MC	764	345	0.01	-0.03	-0.01	A		764	167	0.67	0.35	0.07	A		178	167	2.75	0.99	0.16	A		39	167	1.97	1.21	0.25	A	
139	MC	764	345	9.33	-1.04	-0.20	B<		764	167	11.25	-1.56	-0.26	C<		178	167	2.10	-0.88	-0.10	A		39	167	0.83	0.90	0.17	A	
140	MC	764	345	5.41	0.75	0.16	A		764	167	6.62	1.10	0.21	A		178	167	1.06	0.60	0.10	A		39	167	0.60	-0.75	-0.14	A	
141	MC	764	345	0.06	-0.08	-0.02	A		764	167	0.65	-0.35	-0.07	A		178	167	0.71	-0.49	-0.11	A		39	167	0.93	0.83	0.18	A	
142	MC	764	345	6.99	-1.01	-0.17	B<		764	167	12.60	-1.64	-0.28	C<		178	167	6.07	-1.72	-0.13	A		39	167	0.94	-1.06	-0.16	A	
143	MC	764	345	0.19	-0.14	-0.03	A		764	167	0.00	0.02	-0.01	A		178	167	0.36	0.34	-0.01	A		39	167	1.65	-1.20	-0.22	A	
144	MC	764	345	2.23	0.47	0.09	A		764	167	1.35	0.48	0.12	A		178	167	0.11	0.18	0.11	A		39	167	0.10	0.27	0.06	A	
145	MC	764	345	3.24	-0.64	-0.11	A		764	167	0.51	-0.32	-0.06	A		178	167	1.67	0.84	0.08	A		39	167	0.56	0.80	0.12	A	
146	MC	771	280	7.11	-0.91	-0.20	A		771	101	0.65	-0.42	-0.11	A		179	101	2.04	0.87	0.18	A		11	101	1.77	2.34	0.42	A	
147	MC	771	280	0.36	-0.21	-0.06	A		771	101	0.00	-0.04	0.00	A		179	101	0.19	0.27	0.04	A		11	101	0.07	-0.45	-0.08	A	
148	MC	771	280	0.30	0.20	0.02	A		771	101	2.80	0.90	0.15	A		179	101	3.13	1.15	0.21	A		11	101	1.79	2.15	0.40	A	

**Table F.44: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage IV**

		Focal Group: Spanish							Focal Group: Spanish							Focal Group: Non-Spanish							Focal Group: American Indian						
		Reference Group: Non-Spanish							Reference Group: English							Reference Group: English							Reference Group: English						
Item	Item Type	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag				
149	MC	771	280	1.35	-0.59	-0.06	A	771	101	0.02	-0.11	-0.01	A	179	101	0.61	0.70	0.09	A	11	101	0.26	-0.97	-0.15	A				
150	MC	771	280	0.15	-0.14	-0.05	A	771	101	1.09	-0.57	-0.13	A	179	101	0.98	-0.63	-0.13	A	11	101	3.22	3.31	0.53	A				
151	MC	771	280	2.41	0.57	0.08	A	771	101	0.04	0.12	0.01	A	179	101	1.19	-0.70	-0.14	A	11	101	1.65	2.59	0.38	A				
152	MC	771	280	0.51	0.31	0.08	A	771	101	0.87	0.65	0.11	A	179	101	0.32	0.45	0.07	A	11	101	1.41	2.09	0.37	A				
153	MC	771	280	11.42	1.25	0.23	B>	771	101	0.20	0.26	0.06	A	179	101	5.05	-1.48	-0.29	A	11	101	1.48	3.18	0.38	A				
154	MC	771	280	0.36	0.22	0.02	A	771	101	0.35	-0.32	-0.07	A	179	101	1.81	-0.86	-0.17	A	11	101	6.01		0.75					
155	MC	771	280	0.65	-0.38	-0.05	A	771	101	0.02	0.09	0.01	A	179	101	0.88	0.76	0.12	A	11	101	0.46	1.84	0.21	A				
156	MC	771	280	2.08	0.58	0.09	A	771	101	0.60	0.48	0.05	A	179	101	0.04	-0.15	0.01	A	11	101	1.32	-2.75	-0.35	A				
157	MC	771	280	0.06	-0.09	-0.02	A	771	101	1.24	-0.60	-0.09	A	179	101	1.66	-0.80	-0.19	A	11	101	0.52	-1.18	-0.22	A				
158	MC	771	280	1.45	-0.42	-0.08	A	771	101	0.76	-0.46	-0.11	A	179	101	0.00	-0.01	0.02	A	11	101	0.32	-0.87	-0.17	A				
159	MC	771	280	0.73	-0.30	-0.05	A	771	101	4.79	-1.11	-0.23	A	179	101	4.44	-1.29	-0.26	A	11	101	0.02	0.23	0.05	A				
160	MC	771	280	6.25	-0.91	-0.19	A	771	101	0.94	-0.53	-0.09	A	179	101	0.86	0.59	0.10	A	11	101	0.01	-0.21	-0.03	A				
161	ER	3080	1124	11.30		0.00	A	3080	465	3.98		-0.05	A	659	465	4.82		-0.10	A	86	465	5.00		0.20	A				
162	ER	769	227	6.55		0.06	A	769	95	6.05		-0.04	A	132	95	5.72		-0.20	A	3	95	1.73		0.11	A				
163	ER	769	227	2.58		0.07	A	769	95	5.07		0.09	A	132	95	4.76		0.02	A	3	95	1.29		-0.17	A				
164	ER	776	272	1.89		0.03	A	776	102	0.76		-0.08	A	170	102	2.33		-0.15	A	33	102	2.67		0.12	A				
165	ER	776	272	4.71		-0.02	A	776	102	3.94		-0.02	A	170	102	0.79		0.01	A	33	102	4.37		0.32	A				
166	ER	764	345	13.11		0.07	A	764	167	8.35		-0.03	A	178	167	4.39		-0.23	A	39	167	3.76		-0.05	A				
167	ER	764	345	6.01		0.10	A	764	167	2.77		0.11	A	178	167	2.74		-0.01	A	39	167	9.61		0.41	A				
168	ER	771	280	7.31		-0.03	A	771	101	1.18		-0.09	A	179	101	4.77		-0.15	A	11	101	2.08		-0.09	A				
169	ER	771	280	6.42		0.07	A	771	101	1.39		-0.07	A	179	101	4.56		-0.23	A	11	101	1.69		-0.34	A				

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.45: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Writing on Stage IV**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FEP Reference Group: ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag	NF	NR	MHy <sup>2</sup>	ΔMH	SMD	Flag
98	MC	4204	1691	15.71	-0.79	-0.09	A	278	4204	0.86	0.36	0.06	A	5085	777	1.04	-0.24	-0.03	A
99	MC	4204	1691	6.23	-0.64	-0.04	A	278	4204	3.86	1.25	0.09	A	5085	777	1.56	-0.36	-0.05	A
100	MC	4204	1691	63.54	-1.33	-0.15	B<	278	4204	6.71	0.79	0.16	A	5085	777	2.03	-0.29	-0.02	A
101	MC	996	423	3.76	1.28	0.14	A	76	996	1.78		0.09		1220	187	2.60	1.24	0.14	A
102	MC	996	423	1.07	0.48	0.06	A	76	996	0.00	0.06	0.01	A	1220	187	0.72	0.45	0.06	A
103	MC	996	423	3.45	-0.65	-0.16	A	76	996	1.50	0.77	0.15	A	1220	187	0.31	-0.23	-0.06	A
104	MC	996	423	6.69	-0.92	-0.15	A	76	996	2.86	1.08	0.19	A	1220	187	0.92	-0.43	0.01	A
105	MC	996	423	0.88	-0.56	-0.07	A	76	996	2.48	3.43	0.12	A	1220	187	0.00	-0.03	0.00	A
106	MC	996	423	0.48	-0.26	-0.06	A	76	996	1.38	0.79	0.15	A	1220	187	5.92	-1.11	-0.20	A
107	MC	996	423	1.16	-0.38	-0.07	A	76	996	0.11	-0.20	-0.04	A	1220	187	0.00	0.00	-0.01	A
108	MC	996	423	0.01	0.03	0.07	A	76	996	1.58	1.79	0.10	A	1220	187	2.63	-1.06	-0.12	A
109	MC	996	423	18.23	-1.46	-0.25	B<	76	996	0.92	0.59	0.15	A	1220	187	0.00	0.01	0.03	A
110	MC	996	423	0.62	-0.31	-0.07	A	76	996	1.37	-0.79	-0.13	A	1220	187	0.47	-0.34	-0.03	A
111	MC	996	423	9.88	-1.20	-0.14	B<	76	996	0.05	0.14	0.02	A	1220	187	0.16	0.19	0.07	A
112	MC	996	423	1.19	-0.48	-0.12	A	76	996	1.45	1.14	0.10	A	1220	187	0.29	0.27	0.03	A
113	MC	996	423	10.23	-1.12	-0.12	B<	76	996	1.24	0.68	0.16	A	1220	187	12.08	-1.45	-0.22	B<
114	MC	996	423	2.36	-0.56	-0.06	A	76	996	0.43	-0.41	-0.07	A	1220	187	0.15	-0.16	0.02	A
115	MC	996	423	1.41	-0.49	0.06	A	76	996	0.01	-0.09	-0.01	A	1220	187	7.05	-1.13	-0.10	B<
116	MC	1048	433	16.66	-1.54	-0.22	C<	74	1048	0.00	0.00	0.00	A	1284	193	12.24	-1.70	-0.29	C<
117	MC	1048	433	2.34	-0.55	0.00	A	74	1048	0.17	-0.26	-0.04	A	1284	193	2.38	-0.67	-0.16	A
118	MC	1048	433	18.66	-1.57	-0.23	C<	74	1048	9.09	1.95	0.37	C>	1284	193	4.03	-0.91	-0.11	A
119	MC	1048	433	3.43	-0.65	0.06	A	74	1048	1.07	0.61	0.13	A	1284	193	14.19	-1.56	-0.22	C<
120	MC	1048	433	0.32	0.22	0.11	A	74	1048	0.04	0.14	0.02	A	1284	193	1.67	-0.60	-0.10	A
121	MC	1048	433	1.34	-0.41	-0.12	A	74	1048	0.16	0.25	0.06	A	1284	193	0.14	0.16	0.10	A
122	MC	1048	433	0.17	0.19	0.09	A	74	1048	0.52	0.86	0.07	A	1284	193	0.13	-0.21	-0.03	A
123	MC	1048	433	4.02	0.90	0.19	A	74	1048	3.40	3.02	0.16	A	1284	193	0.04	0.10	0.02	A
124	MC	1048	433	16.43	-1.47	-0.21	B<	74	1048	3.42	1.20	0.22	A	1284	193	0.54	-0.32	-0.02	A
125	MC	1048	433	4.46	-0.71	-0.12	A	74	1048	2.08	0.85	0.19	A	1284	193	0.59	0.31	0.11	A
126	MC	1048	433	1.62	-0.56	-0.06	A	74	1048	3.85	2.07	0.18	A	1284	193	4.67	1.03	0.16	A
127	MC	1048	433	3.21	-0.62	-0.05	A	74	1048	0.92	0.60	0.12	A	1284	193	1.74	-0.54	-0.06	A
128	MC	1048	433	6.47	-0.95	-0.05	A	74	1048	6.75	1.66	0.32	C>	1284	193	5.45	-1.07	-0.15	A
129	MC	1048	433	9.01	-1.08	-0.06	B<	74	1048	2.65	1.00	0.23	A	1284	193	0.04	0.09	0.06	A
130	MC	1048	433	6.33	-0.94	-0.10	A	74	1048	0.09	0.21	0.04	A	1284	193	0.21	-0.21	-0.02	A
131	MC	1109	435	1.49	-0.61	-0.02	A	61	1109	0.43	0.93	0.07	A	1305	234	2.17	-0.86	-0.11	A
132	MC	1109	435	7.62	-0.87	-0.14	A	61	1109	9.49	2.20	0.42	C>	1305	234	1.33	-0.40	-0.08	A
133	MC	1109	435	1.51	-0.48	-0.02	A	61	1109	0.00	-0.02	0.01	A	1305	234	1.23	0.45	0.10	A
134	MC	1109	435	2.59	-0.55	-0.03	A	61	1109	1.07	0.79	0.13	A	1305	234	0.67	0.30	0.08	A
135	MC	1109	435	4.90	-0.70	-0.06	A	61	1109	0.76	0.57	0.12	A	1305	234	0.08	0.10	0.05	A
136	MC	1109	435	0.01	0.03	0.03	A	61	1109	0.95	1.08	0.09	A	1305	234	0.00	0.02	0.02	A
137	MC	1109	435	3.72	-0.66	-0.08	A	61	1109	0.15	-0.26	-0.04	A	1305	234	0.59	0.30	0.08	A
138	MC	1109	435	3.02	-0.59	0.02	A	61	1109	3.22	1.39	0.24	A	1305	234	0.11	-0.13	0.00	A
139	MC	1109	435	7.47	-1.03	-0.07	B<	61	1109	1.26	0.94	0.13	A	1305	234	2.52	0.65	0.12	A
140	MC	1109	435	7.89	-0.91	-0.10	A	61	1109	0.77	0.59	0.13	A	1305	234	2.77	-0.62	-0.11	A
141	MC	1109	435	20.87	-1.47	-0.17	B<	61	1109	0.01	-0.08	0.00	A	1305	234	0.53	-0.28	-0.01	A
142	MC	1109	435	24.21	-1.72	-0.14	C<	61	1109	0.86	0.64	0.14	A	1305	234	3.14	-0.71	-0.10	A
143	MC	1109	435	0.40	-0.21	-0.02	A	61	1109	1.00	0.72	0.13	A	1305	234	0.04	0.08	0.04	A
144	MC	1109	435	2.09	-0.47	0.01	A	61	1109	0.24	0.32	0.07	A	1305	234	1.09	-0.37	-0.05	A
145	MC	1109	435	0.16	0.16	0.06	A	61	1109	0.09	-0.27	-0.03	A	1305	234	2.03	0.59	0.09	A
146	MC	1051	400	9.95	-1.17	-0.16	B<	67	1051	6.46	1.76	0.31	A	1276	163	0.02	-0.06	0.00	A
147	MC	1051	400	1.64	-0.46	-0.01	A	67	1051	5.21	-1.71	-0.30	A	1276	163	4.93	-0.92	-0.13	A
148	MC	1051	400	4.66	-0.86	-0.10	A	67	1051	0.49	0.55	0.08	A	1276	163	3.52	-0.95	-0.15	A
149	MC	1051	400	3.81	-1.48	-0.16	A	67	1051	0.14	-0.56	-0.02	A	1276	163	0.02	-0.10	-0.02	A



**Table F.45: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Writing on Stage IV**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FEP Reference Group: ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
150	MC	1051	400	16.70	-1.47	-0.16	B<	67	1051	7.25	1.74	0.34	C>	1276	163	2.75	-0.78	-0.09	A
151	MC	1051	400	3.55	-0.88	-0.14	A	67	1051	4.17	2.37	0.19	A	1276	163	0.01	0.05	0.02	A
152	MC	1051	400	16.96	-1.58	-0.17	C<	67	1051	0.67	-0.66	-0.12	A	1276	163	16.02	-1.75	-0.27	C<
153	MC	1051	400	2.23	-0.68	-0.05	A	67	1051	1.82	1.48	0.13	A	1276	163	0.17	-0.24	0.00	A
154	MC	1051	400	0.40	-0.27	0.04	A	67	1051	1.78	1.15	0.13	A	1276	163	0.21	0.22	0.05	A
155	MC	1051	400	1.40	0.65	0.10	A	67	1051	0.86	1.58	0.07	A	1276	163	0.56	-0.53	-0.04	A
156	MC	1051	400	0.46	-0.26	-0.03	A	67	1051	0.03	-0.12	-0.03	A	1276	163	1.56	-0.54	-0.07	A
157	MC	1051	400	3.55	-0.81	-0.11	A	67	1051	0.95	-0.71	-0.12	A	1276	163	0.08	0.14	0.07	A
158	MC	1051	400	0.02	-0.05	-0.02	A	67	1051	0.24	0.35	0.06	A	1276	163	1.02	0.47	0.09	A
159	MC	1051	400	3.57	-0.67	-0.08	A	67	1051	0.00	0.01	0.01	A	1276	163	7.18	-1.09	-0.22	B<
160	MC	1051	400	11.51	-1.22	-0.12	B<	67	1051	0.28	0.36	0.09	A	1276	163	3.20	-0.77	-0.06	A
161	ER	4204	1691	90.78		0.10	A	278	4204	11.73		0.08	A	5085	777	40.94		0.03	A
162	ER	996	423	56.56		0.11	A	76	996	9.41		0.19	A	1220	187	6.77		0.13	A
163	ER	996	423	34.65		0.10	A	76	996	6.96		0.06	A	1220	187	18.47		0.02	A
164	ER	1048	433	43.25		0.07	A	74	1048	1.69		0.09	A	1284	193	3.35		-0.05	A
165	ER	1048	433	45.75		0.09	A	74	1048	6.55		0.11	A	1284	193	8.51		-0.05	A
166	ER	1109	435	21.23		0.19	B>	61	1109	25.57		-0.04	A	1305	234	5.21		0.03	A
167	ER	1109	435	25.64		0.06	A	61	1109	2.88		0.03	A	1305	234	16.27		0.04	A
168	ER	1051	400	22.60		0.05	A	67	1051	6.31		0.12	A	1276	163	14.36		0.15	A
169	ER	1051	400	35.02		0.17	A	67	1051	1.98		0.07	A	1276	163	14.80		0.18	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.46: DIF Statistics based on ELL Students for Items in Listening on Stage IV**

Item	Item Type	Focal Group: Female Reference Group: Male							Focal Group: Hispanic Reference Group: Non-Hispanic							Focal Group: American Indian Reference Group: Non-American Indian							Focal Group: Special Education Reference Group: Non-Special Education						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
170	MC	1774	2429	3.72	-0.31	-0.06	A		3137	1067	0.01	-0.02	0.00	A		380	3824	0.01	-0.03	-0.01	A		1322	2880	5.89	0.42	0.09	A	
171	MC	1774	2429	0.07	0.04	0.01	A		3137	1067	0.63	-0.14	-0.03	A		380	3824	4.59	0.61	0.11	A		1322	2880	0.54	-0.12	-0.02	A	
172	MC	399	596	0.95	0.49	0.06	A		780	216	1.25	0.61	0.10	A		50	946	3.10	2.98	0.25	A		325	671	0.14	-0.18	-0.02	A	
173	MC	399	596	0.73	0.27	0.05	A		780	216	0.18	0.16	0.04	A		50	946	0.29	-0.39	-0.08	A		325	671	3.91	-0.66	-0.14	A	
174	MC	399	596	2.37	-0.56	-0.10	A		780	216	0.07	-0.11	-0.04	A		50	946	0.44	-0.50	-0.09	A		325	671	0.23	-0.18	-0.03	A	
175	MC	399	596	6.24	-1.04	-0.16	A		780	216	6.05	1.31	0.19	A		50	946	0.00	0.05	0.01	A		325	671	0.67	0.35	0.06	A	
176	MC	399	596	0.44	0.22	0.04	A		780	216	0.03	0.06	0.00	A		50	946	0.05	0.16	0.03	A		325	671	1.36	-0.40	-0.08	A	
177	MC	399	596	0.95	-0.34	-0.06	A		780	216	0.51	0.30	0.04	A		50	946	0.66	-0.58	-0.11	A		325	671	0.05	-0.09	-0.03	A	
178	MC	399	596	1.59	-0.51	-0.08	A		780	216	0.56	0.35	0.02	A		50	946	0.17	0.39	0.06	A		325	671	8.67	1.31	0.20	B>	
179	MC	399	596	0.47	-0.22	-0.05	A		780	216	0.61	-0.30	-0.04	A		50	946	3.13	-1.24	-0.24	A		325	671	0.10	-0.11	-0.03	A	
180	MC	399	596	0.02	-0.07	-0.01	A		780	216	0.28	0.29	0.03	A		50	946	0.08	0.32	0.04	A		325	671	0.00	-0.03	0.00	A	
181	MC	399	596	1.03	-0.33	-0.07	A		780	216	4.02	-0.81	-0.12	A		50	946	1.15	0.86	0.15	A		325	671	0.05	0.08	0.02	A	
182	MC	399	596	10.79	-1.10	-0.21	B<		780	216	0.22	0.19	0.04	A		50	946	0.61	0.61	0.11	A		325	671	0.54	-0.26	-0.05	A	
183	MC	444	604	3.88	-0.75	-0.12	A		774	274	1.73	0.55	0.10	A		77	971	0.72	0.66	0.10	A		317	730	0.18	-0.17	-0.02	A	
184	MC	444	604	0.89	-0.33	-0.06	A		774	274	0.05	-0.09	-0.02	A		77	971	3.88	-1.57	-0.23	A		317	730	0.02	-0.06	-0.01	A	
185	MC	444	604	4.49	-0.64	-0.13	A		774	274	0.96	-0.34	-0.07	A		77	971	1.29	-0.65	-0.13	A		317	730	2.04	0.48	0.09	A	
186	MC	444	604	0.00	0.02	0.01	A		774	274	0.77	-0.29	-0.07	A		77	971	0.19	-0.25	-0.05	A		317	730	5.20	-0.78	-0.15	A	
187	MC	444	604	3.41	-0.56	-0.11	A		774	274	2.47	0.54	0.10	A		77	971	0.38	-0.36	-0.07	A		317	730	0.13	0.12	0.02	A	
188	MC	444	604	4.12	-0.63	-0.12	A		774	274	0.44	0.23	0.05	A		77	971	3.23	-1.05	-0.20	A		317	730	0.00	-0.02	-0.01	A	
189	MC	444	604	0.09	-0.10	-0.01	A		774	274	0.62	0.30	0.04	A		77	971	1.11	0.66	0.12	A		317	730	3.25	0.67	0.13	A	
190	MC	444	604	0.34	0.18	0.03	A		774	274	1.80	-0.45	-0.08	A		77	971	0.10	-0.19	-0.04	A		317	730	0.26	0.17	0.03	A	
191	MC	444	604	0.05	0.07	0.01	A		774	274	1.72	0.45	0.10	A		77	971	1.18	-0.64	-0.13	A		317	730	0.07	-0.09	0.00	A	
192	MC	444	604	2.65	0.61	0.09	A		774	274	0.11	-0.14	-0.02	A		77	971	0.05	-0.15	-0.03	A		317	730	0.03	-0.07	0.00	A	
193	MC	444	604	1.69	0.42	0.07	A		774	274	0.08	0.10	0.02	A		77	971	0.45	-0.38	-0.08	A		317	730	0.02	-0.04	-0.03	A	
194	MC	475	634	0.08	-0.17	-0.01	A		816	293	0.13	0.22	0.01	A		161	948	0.00	0.01	0.00	A		349	759	8.87	2.03	0.20	C>	
195	MC	475	634	0.48	-0.21	-0.04	A		816	293	0.32	0.20	0.01	A		161	948	1.68	0.58	0.11	A		349	759	0.22	-0.15	-0.02	A	
196	MC	475	634	6.02	-0.94	-0.13	A		816	293	1.09	0.46	0.01	A		161	948	0.06	-0.14	-0.02	A		349	759	1.57	0.51	0.07	A	
197	MC	475	634	1.14	0.31	0.07	A		816	293	0.23	0.16	0.04	A		161	948	2.05	-0.59	-0.12	A		349	759	0.72	-0.27	-0.06	A	
198	MC	475	634	2.74	0.60	0.09	A		816	293	1.26	0.44	0.05	A		161	948	0.19	-0.22	-0.04	A		349	759	1.04	-0.38	-0.07	A	
199	MC	475	634	0.13	-0.11	-0.02	A		816	293	0.91	0.33	0.03	A		161	948	4.20	-0.85	-0.17	A		349	759	0.51	-0.23	-0.05	A	
200	MC	475	634	5.83	-0.73	-0.14	A		816	293	0.43	-0.22	-0.02	A		161	948	0.00	-0.01	0.00	A		349	759	0.02	0.05	0.02	A	
201	MC	475	634	0.17	0.13	0.02	A		816	293	0.71	0.30	0.04	A		161	948	3.55	-0.80	-0.16	A		349	759	0.44	-0.22	-0.05	A	
202	MC	475	634	4.37	1.08	0.11	A		816	293	4.39	1.08	0.10	A		161	948	0.03	-0.11	-0.01	A		349	759	0.27	0.26	0.04	A	
203	MC	475	634	14.09	1.37	0.22	B>		816	293	0.02	0.05	0.01	A		161	948	0.85	0.49	0.08	A		349	759	6.55	-0.93	-0.17	A	
204	MC	475	634	0.83	-0.30	-0.05	A		816	293	0.62	-0.29	-0.04	A		161	948	0.16	-0.19	-0.04	A		349	759	1.18	0.38	0.08	A	
205	MC	456	595	0.02	-0.05	-0.01	A		767	284	0.04	-0.08	-0.02	A		92	959	0.01	-0.06	-0.01	A		331	720	0.21	0.17	0.03	A	
206	MC	456	595	3.58	-0.57	-0.11	A		767	284	0.72	-0.28	-0.05	A		92	959	3.13	0.93	0.19	A		331	720	0.43	-0.21	-0.05	A	
207	MC	456	595	1.45	-0.39	-0.07	A		767	284	0.26	0.18	0.01	A		92	959	3.66	1.11	0.20	A		331	720	1.82	-0.45	-0.09	A	
208	MC	456	595	2.59	-0.51	-0.11	A		767	284	1.19	-0.38	-0.07	A		92	959	1.48	-0.72	-0.13	A		331	720	1.16	0.36	0.08	A	
209	MC	456	595	5.93	-0.92	-0.14	A		767	284	1.61	-0.53	-0.06	A		92	959	0.00	0.00	0.00	A		331	720	2.08	-0.56	-0.10	A	
210	MC	456	595	0.33	0.17	0.03	A		767	284	1.99	-0.49	-0.11	A		92	959	3.85	1.04	0.21	A		331	720	1.53	-0.40	-0.08	A	
211	MC	456	595	1.38	0.83	0.07	A		767	284	0.21	0.33	0.02	A		92	959	2.31	2.57	0.17	A		331	720	7.09	2.18	0.18	C>	
212	MC	456	595	0.02	0.05	0.01	A		767	284	0.00	0.00	-0.02	A		92	959	0.00	0.03	0.01	A		331	720	0.24	0.17	0.03	A	
213	MC	456	595	0.80	0.28	0.06	A		767	284	12.62	-1.23	-0.25	B<		92	959	0.11	-0.18	-0.04	A		331	720	2.39	-0.53	-0.11	A	
214	MC	456	595	0.63	0.33	0.04	A		767	284	0.40	-0.29	-0.06	A		92	959	0.70	0.59	0.09	A		331	720	0.28	-0.22	-0.03	A	
215	MC	456	595	0.98	0.43	0.06	A		767	284	1.02	0.46	0.06	A		92	959	6.78	2.72	0.28	C>		331	720	1.27	0.51	0.08	A	

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.47: DIF Statistics based on ELL Students' Home Languages for Items in Listening on Stage IV**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
170	MC	3080	1124	0.52	0.13	0.02	A	3080	465	0.11	-0.09	-0.02	A	659	465	1.19	-0.35	-0.07	A	86	465	0.17	0.25	0.05	A
171	MC	3080	1124	0.22	-0.08	-0.01	A	3080	465	0.03	-0.04	-0.01	A	659	465	0.02	0.04	0.00	A	86	465	2.90	1.07	0.19	A
172	MC	769	227	0.12	0.20	0.01	A	769	95	0.04	0.17	0.00	A	132	95	0.01	-0.12	-0.01	A	3	95	0.11		0.10	
173	MC	769	227	2.89	-0.64	-0.13	A	769	95	0.89	-0.51	-0.10	A	132	95	0.08	0.20	0.03	A	3	95	0.99		0.55	
174	MC	769	227	0.16	0.17	0.04	A	769	95	0.75	0.48	0.13	A	132	95	0.62	0.56	0.11	A	3	95	0.00	-0.10	-0.03	A
175	MC	769	227	7.94	1.50	0.24	C>	769	95	4.35	1.68	0.26	A	132	95	0.09	0.30	0.03	A	3	95	0.35		-0.35	
176	MC	769	227	0.06	-0.10	-0.01	A	769	95	0.14	-0.21	-0.04	A	132	95	0.06	-0.16	-0.03	A	3	95	0.10	-1.04	-0.18	A
177	MC	769	227	3.80	0.78	0.15	A	769	95	1.59	0.68	0.16	A	132	95	0.03	-0.13	-0.02	A	3	95	0.99		0.55	
178	MC	769	227	0.03	-0.09	-0.03	A	769	95	0.88	-0.65	-0.09	A	132	95	1.29	-0.95	-0.15	A	3	95	0.22		0.20	
179	MC	769	227	2.12	-0.54	-0.11	A	769	95	0.55	-0.40	-0.06	A	132	95	0.21	0.30	0.06	A	3	95	1.73		0.77	
180	MC	769	227	1.15	-0.62	-0.08	A	769	95	3.64	-1.79	-0.18	A	132	95	2.96	-1.87	-0.22	A	3	95	0.17		0.22	
181	MC	769	227	13.65	-1.52	-0.26	C<	769	95	6.88	-1.58	-0.28	C<	132	95	0.03	-0.14	-0.02	A	3	95	0.30		0.21	
182	MC	769	227	0.81	0.35	0.07	A	769	95	0.86	0.51	0.11	A	132	95	0.15	0.27	0.05	A	3	95	1.13		0.60	
183	MC	776	272	3.84	0.81	0.13	A	776	102	2.54	0.98	0.16	A	170	102	0.15	0.29	0.05	A	33	102	2.84	2.24	0.33	A
184	MC	776	272	0.14	-0.15	-0.03	A	776	102	0.19	-0.26	-0.04	A	170	102	0.01	-0.06	-0.02	A	33	102	0.13	-0.45	-0.06	A
185	MC	776	272	0.07	-0.09	-0.01	A	776	102	0.01	-0.04	-0.01	A	170	102	0.00	0.01	-0.01	A	33	102	0.53	-0.71	-0.13	A
186	MC	776	272	0.01	0.04	0.00	A	776	102	2.14	0.75	0.15	A	170	102	3.79	1.21	0.22	A	33	102	0.11	0.34	0.09	A
187	MC	776	272	2.98	0.59	0.12	A	776	102	0.25	0.25	0.06	A	170	102	0.71	-0.52	-0.12	A	33	102	0.96	-1.02	-0.21	A
188	MC	776	272	0.42	-0.22	-0.03	A	776	102	1.65	-0.68	-0.12	A	170	102	1.69	-0.81	-0.14	A	33	102	1.05	-1.01	-0.20	A
189	MC	776	272	0.39	0.24	0.03	A	776	102	1.05	0.57	0.10	A	170	102	0.82	0.62	0.10	A	33	102	2.02	1.63	0.29	A
190	MC	776	272	2.38	-0.52	-0.09	A	776	102	0.41	-0.33	-0.07	A	170	102	0.07	0.16	0.07	A	33	102	3.49	-1.92	-0.37	A
191	MC	776	272	0.15	0.13	0.02	A	776	102	0.93	-0.51	-0.08	A	170	102	1.77	-0.85	-0.16	A	33	102	3.10	-1.75	-0.32	A
192	MC	776	272	3.65	-0.84	-0.13	A	776	102	0.01	-0.07	-0.01	A	170	102	3.12	1.45	0.22	A	33	102	0.19	0.62	0.07	A
193	MC	776	272	0.01	-0.04	-0.01	A	776	102	0.19	-0.23	-0.06	A	170	102	0.39	-0.40	-0.10	A	33	102	0.03	0.17	0.02	A
194	MC	764	345	0.61	0.47	0.04	A	764	167	0.19	0.38	0.04	A	178	167	0.01	0.10	-0.03	A	39	167	1.20	2.48	0.22	A
195	MC	764	345	0.19	0.15	0.01	A	764	167	0.07	-0.12	0.00	A	178	167	0.07	-0.15	0.01	A	39	167	0.31	-0.54	-0.10	A
196	MC	764	345	1.09	0.43	0.02	A	764	167	0.39	-0.36	-0.03	A	178	167	0.60	-0.60	-0.15	A	39	167	0.70	-1.08	-0.15	A
197	MC	764	345	2.26	0.47	0.11	A	764	167	4.36	0.86	0.16	A	178	167	1.50	0.67	0.07	A	39	167	0.14	-0.33	-0.08	A
198	MC	764	345	0.30	0.21	0.03	A	764	167	0.01	-0.05	-0.03	A	178	167	0.53	-0.49	-0.22	A	39	167	3.65	-1.79	-0.37	A
199	MC	764	345	1.60	0.41	0.07	A	764	167	3.78	0.81	0.16	A	178	167	4.53	1.20	0.15	A	39	167	4.98	1.97	0.39	A
200	MC	764	345	0.55	-0.24	-0.03	A	764	167	0.17	-0.17	-0.04	A	178	167	0.07	-0.15	0.00	A	39	167	1.07	-0.98	-0.19	A
201	MC	764	345	4.41	0.70	0.13	A	764	167	4.67	0.92	0.18	A	178	167	1.40	0.72	0.13	A	39	167	0.09	-0.30	-0.06	A
202	MC	764	345	5.20	1.13	0.12	A	764	167	3.97	1.33	0.16	A	178	167	0.67	0.74	0.02	A	39	167	0.04	-0.24	-0.04	A
203	MC	764	345	0.98	0.37	0.06	A	764	167	1.01	0.48	0.08	A	178	167	0.12	0.23	-0.01	A	39	167	0.01	-0.08	-0.02	A
204	MC	764	345	3.46	-0.68	-0.12	A	764	167	3.32	-0.90	-0.17	A	178	167	0.41	-0.43	-0.17	A	39	167	0.56	0.89	0.13	A
205	MC	771	280	0.04	-0.08	-0.01	A	771	101	1.10	-0.63	-0.10	A	179	101	1.56	-0.87	-0.17	A	11	101	0.18	-0.67	-0.13	A
206	MC	771	280	1.78	-0.45	-0.07	A	771	101	2.94	-0.86	-0.14	A	179	101	1.34	-0.69	-0.15	A	11	101	4.95	-3.99	-0.71	A
207	MC	771	280	1.93	0.49	0.10	A	771	101	1.83	0.71	0.15	A	179	101	0.36	0.38	0.06	A	11	101	4.61	4.42	0.66	A
208	MC	771	280	0.73	0.31	0.09	A	771	101	7.22	1.66	0.30	C>	179	101	7.50	1.92	0.34	C>	11	101	2.17	2.34	0.47	A
209	MC	771	280	1.41	-0.50	-0.06	A	771	101	0.17	-0.25	-0.01	A	179	101	0.21	0.34	0.04	A	11	101	0.03	0.34	0.05	A
210	MC	771	280	1.59	-0.43	-0.07	A	771	101	0.65	-0.41	-0.05	A	179	101	0.00	0.00	0.00	A	11	101	1.22	1.57	0.34	A
211	MC	771	280	0.35	0.42	0.03	A	771	101	0.04	-0.23	-0.01	A	179	101	0.47	-0.88	-0.09	A	11	101	0.48		0.20	
212	MC	771	280	0.01	-0.03	-0.02	A	771	101	0.31	-0.32	-0.05	A	179	101	0.46	-0.45	-0.09	A	11	101	0.32	1.12	0.17	A
213	MC	771	280	7.10	-0.94	-0.18	A	771	101	0.27	-0.29	-0.07	A	179	101	2.64	1.02	0.24	A	11	101	0.39	-1.13	-0.20	A
214	MC	771	280	0.40	0.28	0.03	A	771	101	0.36	0.38	0.07	A	179	101	0.06	0.19	0.01	A	11	101	0.03	0.35	0.06	A
215	MC	771	280	0.00	0.00	0.00	A	771	101	2.61	-1.36	-0.15	A	179	101	4.70	-2.00	-0.30	A	11	101	0.01	0.31	0.03	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.48: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Listening on Stage IV**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL							Focal Group: FEP Reference Group: ELL							Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
170	MC	4204	1691	15.11	-0.80	-0.10	A		278	4204	14.84	1.75	0.21	C>		5085	777	0.20	-0.11	0.00	A	
171	MC	4204	1691	1.47	-0.23	-0.02	A		278	4204	1.39	0.44	0.07	A		5085	777	0.78	-0.20	-0.02	A	
172	MC	996	423	3.20	0.92	0.16	A		76	996	1.03	1.45	0.10	A		1220	187	1.05	-0.75	-0.08	A	
173	MC	996	423	6.65	-0.94	-0.15	A		76	996	0.13	0.23	0.04	A		1220	187	0.24	-0.22	0.00	A	
174	MC	996	423	8.76	1.21	0.27	B>		76	996	0.46	0.59	0.07	A		1220	187	2.16	0.70	0.13	A	
175	MC	996	423	22.83	-1.82	-0.14	C<		76	996	8.69	1.84	0.42	C>		1220	187	5.69	-1.09	-0.09	A	
176	MC	996	423	0.02	0.06	0.02	A		76	996	0.27	0.38	0.06	A		1220	187	0.26	-0.24	-0.04	A	
177	MC	996	423	3.50	0.77	0.18	A		76	996	1.35	-0.89	-0.11	A		1220	187	0.00	0.01	0.00	A	
178	MC	996	423	0.18	-0.21	-0.01	A		76	996	0.24	-0.44	-0.02	A		1220	187	0.49	-0.45	-0.04	A	
179	MC	996	423	2.51	-0.62	-0.14	A		76	996	0.83	0.68	0.11	A		1220	187	2.85	-0.80	-0.11	A	
180	MC	996	423	6.48	1.32	0.25	A		76	996	0.18	0.76	0.03	A		1220	187	6.44	1.60	0.23	A	
181	MC	996	423	0.80	0.35	0.08	A		76	996	0.05	0.16	0.03	A		1220	187	2.22	-0.68	-0.08	A	
182	MC	996	423	0.22	-0.19	-0.09	A		76	996	0.01	0.07	0.00	A		1220	187	0.55	0.33	0.10	A	
183	MC	1048	433	7.86	1.22	0.25	B>		74	1048	1.37	1.23	0.13	A		1284	193	0.07	-0.15	-0.03	A	
184	MC	1048	433	12.89	-1.28	-0.17	B<		74	1048	0.00	-0.03	-0.01	A		1284	193	5.15	-0.91	-0.12	A	
185	MC	1048	433	0.05	0.08	0.10	A		74	1048	0.17	0.25	0.06	A		1284	193	1.81	-0.53	-0.09	A	
186	MC	1048	433	13.51	-1.23	-0.11	B<		74	1048	0.10	0.18	0.04	A		1284	193	1.41	-0.49	-0.06	A	
187	MC	1048	433	5.20	-0.80	-0.08	A		74	1048	0.20	0.27	0.06	A		1284	193	2.44	-0.67	-0.09	A	
188	MC	1048	433	3.19	-0.66	-0.10	A		74	1048	3.71	-1.17	-0.22	A		1284	193	0.04	-0.09	0.01	A	
189	MC	1048	433	0.02	0.06	-0.01	A		74	1048	1.55	1.10	0.13	A		1284	193	0.17	-0.20	-0.01	A	
190	MC	1048	433	1.03	-0.35	-0.03	A		74	1048	1.25	-0.66	-0.14	A		1284	193	7.75	-1.09	-0.24	B<	
191	MC	1048	433	1.71	0.44	0.01	A		74	1048	6.78	-1.51	-0.32	C<		1284	193	0.78	-0.34	-0.07	A	
192	MC	1048	433	2.79	0.76	0.12	A		74	1048	0.67	0.87	0.07	A		1284	193	1.12	0.57	0.10	A	
193	MC	1048	433	4.28	-0.85	-0.17	A		74	1048	0.01	0.05	0.02	A		1284	193	1.19	0.47	0.10	A	
194	MC	1109	435	19.36	2.48	0.33	C>		61	1109	0.15	-0.73	-0.04	A		1305	234	0.01	0.08	0.01	A	
195	MC	1109	435	7.53	-1.05	-0.19	B<		61	1109	0.05	0.16	0.03	A		1305	234	0.05	-0.09	0.00	A	
196	MC	1109	435	0.18	-0.20	-0.02	A		61	1109	0.00	0.06	0.01	A		1305	234	0.42	-0.34	-0.05	A	
197	MC	1109	435	0.49	-0.22	-0.04	A		61	1109	0.01	-0.08	-0.02	A		1305	234	0.66	-0.28	-0.06	A	
198	MC	1109	435	0.42	0.26	0.03	A		61	1109	0.05	0.23	0.03	A		1305	234	0.18	-0.19	-0.04	A	
199	MC	1109	435	1.53	-0.39	-0.03	A		61	1109	0.73	0.57	0.13	A		1305	234	4.80	-0.77	-0.13	A	
200	MC	1109	435	13.95	-1.19	-0.16	B<		61	1109	3.75	1.33	0.28	A		1305	234	0.59	-0.28	-0.04	A	
201	MC	1109	435	2.61	-0.54	-0.07	A		61	1109	0.81	0.62	0.13	A		1305	234	0.16	0.15	0.02	A	
202	MC	1109	435	3.09	1.01	0.11	A		61	1109	2.24	-2.18	-0.09	A		1305	234	4.76	1.20	0.15	A	
203	MC	1109	435	2.66	0.67	0.12	A		61	1109	4.93	-1.80	-0.22	A		1305	234	0.00	0.02	0.01	A	
204	MC	1109	435	1.76	-0.50	-0.01	A		61	1109	0.16	-0.33	-0.04	A		1305	234	1.85	0.56	0.10	A	
205	MC	1051	400	0.35	-0.28	-0.04	A		67	1051	1.61	-0.99	-0.13	A		1276	163	0.93	0.50	0.08	A	
206	MC	1051	400	0.00	0.00	0.03	A		67	1051	0.04	0.12	0.02	A		1276	163	0.07	-0.12	0.02	A	
207	MC	1051	400	0.75	-0.36	0.02	A		67	1051	0.25	0.44	0.05	A		1276	163	0.08	-0.14	0.02	A	
208	MC	1051	400	0.01	-0.04	0.02	A		67	1051	2.39	0.97	0.21	A		1276	163	0.65	-0.33	-0.06	A	
209	MC	1051	400	4.93	-1.25	-0.14	A		67	1051	0.10	-0.32	-0.03	A		1276	163	1.47	-0.84	-0.10	A	
210	MC	1051	400	2.19	-0.54	-0.07	A		67	1051	0.11	0.22	0.04	A		1276	163	0.05	-0.10	0.01	A	
211	MC	1051	400	3.03	1.33	0.15	A		67	1051	3.21	-3.13	-0.10	A		1276	163	0.91	0.92	0.10	A	
212	MC	1051	400	2.57	-0.65	0.00	A		67	1051	0.80	0.79	0.09	A		1276	163	1.06	-0.55	-0.05	A	
213	MC	1051	400	9.79	-1.10	-0.07	B<		67	1051	0.00	-0.01	0.01	A		1276	163	7.44	-1.24	-0.15	B<	
214	MC	1051	400	0.65	0.45	0.00	A		67	1051	0.17	-0.48	-0.04	A		1276	163	0.00	0.02	-0.01	A	
215	MC	1051	400	3.07	-1.07	-0.12	A		67	1051	0.74	-0.88	-0.08	A		1276	163	0.24	0.33	0.05	A	

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.49: DIF Statistics based on ELL Students for Items in Speaking on Stage IV**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
216	SA4	1774	2429	12.83		-0.10	A	3137	1067	9.43		0.08	A	380	3824	5.61		0.02	A	1322	2880	51.12		0.18	B>
217	SA4	399	596	3.93		0.02	A	780	216	8.87		-0.02	A	50	946	7.12		0.12	A	325	671	1.80		0.01	A
218	SA4	399	596	0.84		0.05	A	780	216	6.15		0.10	A	50	946	2.31		0.15	A	325	671	15.08		0.17	B>
219	SA4	399	596	14.31		-0.04	A	780	216	3.80		0.02	A	50	946	1.39		0.14	A	325	671	10.81		0.18	A
220	SA4	399	596	4.08		-0.06	A	780	216	18.02		0.12	A	50	946	2.92		-0.10	A	325	671	26.14		0.29	C>
221	SA4	444	604	14.13		-0.08	A	774	274	4.29		0.12	A	77	971	8.97		0.13	A	317	730	24.50		0.38	C>
222	SA4	444	604	3.66		-0.09	A	774	274	11.50		0.20	A	77	971	0.79		-0.09	A	317	730	21.71		0.25	C>
223	SA4	444	604	10.33		-0.07	A	774	274	19.44		0.18	B>	77	971	3.21		0.17	A	317	730	14.66		0.27	C>
224	SA4	444	604	4.68		-0.11	A	774	274	1.57		0.07	A	77	971	8.80		-0.01	A	317	730	27.58		0.30	C>
225	SA4	475	634	2.75		-0.04	A	816	293	6.35		0.02	A	161	948	2.97		0.00	A	349	759	27.21		0.29	C>
226	SA4	475	634	5.11		-0.08	A	816	293	6.38		0.11	A	161	948	2.34		0.01	A	349	759	39.48		0.35	C>
227	SA4	475	634	15.57		-0.18	B<	816	293	1.03		0.03	A	161	948	2.77		0.08	A	349	759	52.51		0.36	C>
228	SA4	475	634	6.32		-0.08	A	816	293	7.00		0.10	A	161	948	6.56		-0.11	A	349	759	5.24		0.13	A
229	SA4	456	595	4.59		-0.02	A	767	284	21.14		0.23	B>	92	959	2.45		-0.05	A	331	720	28.78		0.29	C>
230	SA4	456	595	15.40		-0.09	A	767	284	17.27		0.17	B>	92	959	4.75		0.05	A	331	720	22.25		0.26	C>
231	SA4	456	595	15.34		0.07	A	767	284	24.96		0.12	A	92	959	3.71		-0.01	A	331	720	4.02		0.09	A
232	SA4	456	595	2.65		-0.03	A	767	284	27.20		0.19	B>	92	959	4.25		0.17	A	331	720	9.08		0.18	A
233	SA4	1774	2429	2.39		-0.03	A	3137	1067	4.94		0.03	A	380	3824	20.33		-0.20	B<	1322	2880	16.70		0.08	A
234	SA4	399	596	11.64		-0.13	A	780	216	1.97		0.05	A	50	946	3.81		0.22	A	325	671	24.20		0.23	B>
235	SA4	399	596	8.15		-0.15	A	780	216	4.48		-0.09	A	50	946	2.54		0.13	A	325	671	23.91		0.25	C>
236	SA4	399	596	3.74		-0.04	A	780	216	3.79		0.02	A	50	946	3.52		0.10	A	325	671	30.18		0.32	C>
237	SA4	444	604	4.65		-0.10	A	774	274	8.27		0.11	A	77	971	1.84		0.06	A	317	730	10.89		0.09	A
238	SA4	444	604	13.16		-0.20	A	774	274	0.18		-0.01	A	77	971	4.00		0.15	A	317	730	14.01		0.25	C>
239	SA4	444	604	14.91		-0.22	B<	774	274	13.72		0.13	A	77	971	6.52		0.09	A	317	730	12.68		0.22	A
240	SA4	475	634	12.70		-0.04	A	816	293	11.72		0.02	A	161	948	11.01		-0.15	A	349	759	16.20		0.16	A
241	SA4	475	634	28.08		-0.24	B<	816	293	7.23		-0.01	A	161	948	11.18		0.16	A	349	759	67.14		0.42	C>
242	SA4	475	634	7.74		-0.12	A	816	293	2.09		-0.04	A	161	948	3.36		0.12	A	349	759	27.53		0.29	C>
243	SA4	456	595	6.16		-0.09	A	767	284	17.92		0.18	B>	92	959	1.12		0.04	A	331	720	23.01		0.24	B>
244	SA4	456	595	9.34		-0.14	A	767	284	11.94		0.05	A	92	959	4.77		0.13	A	331	720	9.46		0.11	A
245	SA4	456	595	13.89		-0.19	B<	767	284	27.66		0.23	B>	92	959	7.88		0.23	A	331	720	29.17		0.30	C>

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.50: DIF Statistics based on ELL Students' Home Languages for Items in Speaking on Stage IV**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
216	SA4	3080	1124	13.29		0.09	A	3080	465	12.70		0.11	A	659	465	4.78		0.02	A	86	465	5.23		-0.17	A
217	SA4	769	227	8.89		0.01	A	769	95	5.30		0.11	A	132	95	3.97		0.15	A	3	95	0.82		0.46	A
218	SA4	769	227	6.96		0.08	A	769	95	9.28		0.11	A	132	95	3.91		0.04	A	3	95	2.67		0.67	A
219	SA4	769	227	4.61		-0.06	A	769	95	3.76		-0.06	A	132	95	1.97		0.01	A	3	95	1.75		0.26	A
220	SA4	769	227	5.89		0.04	A	769	95	3.53		-0.07	A	132	95	8.17		-0.19	A	3	95	1.10		-0.17	A
221	SA4	776	272	1.97		0.02	A	776	102	7.77		-0.18	A	170	102	14.34		-0.32	C<	33	102	0.55		-0.09	A
222	SA4	776	272	7.99		0.15	A	776	102	9.18		0.20	A	170	102	5.64		0.06	A	33	102	7.63		0.00	A
223	SA4	776	272	12.74		0.16	A	776	102	3.83		0.16	A	170	102	3.68		-0.03	A	33	102	3.46		0.22	A
224	SA4	776	272	1.88		0.07	A	776	102	1.66		0.05	A	170	102	1.04		-0.04	A	33	102	0.20		-0.09	A
225	SA4	764	345	3.40		0.01	A	764	167	8.22		-0.04	A	178	167	9.79		-0.05	A	39	167	9.71		-0.28	A
226	SA4	764	345	9.83		0.10	A	764	167	2.80		0.11	A	178	167	1.82		0.04	A	39	167	0.43		0.00	A
227	SA4	764	345	4.16		0.08	A	764	167	1.72		0.06	A	178	167	1.38		-0.03	A	39	167	10.46		-0.09	A
228	SA4	764	345	6.59		0.08	A	764	167	4.14		0.10	A	178	167	1.89		0.04	A	39	167	1.63		0.05	A
229	SA4	771	280	11.97		0.15	A	771	101	1.93		-0.05	A	179	101	8.77		-0.32	A	11	101	5.01		0.01	A
230	SA4	771	280	17.46		0.11	A	771	101	12.23		0.04	A	179	101	5.99		-0.10	A	11	101	6.96		-0.11	A
231	SA4	771	280	12.29		0.08	A	771	101	4.86		0.15	A	179	101	4.76		0.05	A	11	101	2.70		0.31	A
232	SA4	771	280	14.75		0.17	A	771	101	2.73		0.14	A	179	101	3.77		-0.14	A	11	101	2.39		-0.37	A
233	SA4	3080	1124	6.51		-0.05	A	3080	465	12.81		-0.07	A	659	465	5.88		-0.05	A	86	465	6.33		-0.21	A
234	SA4	769	227	2.60		0.08	A	769	95	3.05		-0.07	A	132	95	9.79		-0.25	A	3	95	3.26		0.53	A
235	SA4	769	227	3.37		-0.09	A	769	95	3.81		-0.15	A	132	95	3.25		-0.13	A	3	95	3.31		0.78	A
236	SA4	769	227	3.71		-0.08	A	769	95	3.65		-0.15	A	132	95	2.62		-0.07	A	3	95	1.62		-0.07	A
237	SA4	776	272	4.44		0.10	A	776	102	4.73		0.09	A	170	102	6.82		-0.07	A	33	102	8.84		0.17	A
238	SA4	776	272	0.62		-0.04	A	776	102	4.00		-0.13	A	170	102	4.78		-0.15	A	33	102	6.03		0.05	A
239	SA4	776	272	10.54		0.12	A	776	102	0.78		-0.01	A	170	102	5.14		-0.22	A	33	102	9.38		-0.32	A
240	SA4	764	345	14.85		0.07	A	764	167	7.92		0.06	A	178	167	4.64		0.02	A	39	167	7.55		0.12	A
241	SA4	764	345	9.21		-0.02	A	764	167	11.50		-0.15	A	178	167	11.36		-0.28	A	39	167	3.72		-0.01	A
242	SA4	764	345	6.38		-0.03	A	764	167	7.97		-0.08	A	178	167	5.91		-0.06	A	39	167	3.54		0.22	A
243	SA4	771	280	18.71		0.20	B>	771	101	5.45		0.05	A	179	101	8.02		-0.24	A	11	101	4.01		-0.21	A
244	SA4	771	280	7.33		0.14	A	771	101	5.55		0.19	A	179	101	5.32		0.03	A	11	101	9.11		0.56	A
245	SA4	771	280	25.29		0.17	B>	771	101	5.39		-0.03	A	179	101	11.59		-0.33	A	11	101	3.69		0.21	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF),

SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.51: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Speaking on Stage IV**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FEP Reference Group: ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
216	SA4	4204	1691	54.75		0.24	B>	278	4204	8.21		-0.08	A	5085	777	11.45		0.08	A
217	SA4	996	423	45.01		0.23	B>	76	996	6.47		-0.05	A	1220	187	8.06		0.12	A
218	SA4	996	423	18.93		0.28	C>	76	996	2.54		-0.04	A	1220	187	3.31		0.10	A
219	SA4	996	423	32.45		0.34	C>	76	996	0.97		-0.09	A	1220	187	4.23		0.06	A
220	SA4	996	423	31.93		0.30	C>	76	996	7.14		-0.07	A	1220	187	3.68		0.09	A
221	SA4	1048	433	26.48		0.17	B>	74	1048	4.58		0.04	A	1284	193	4.58		-0.06	A
222	SA4	1048	433	9.02		0.05	A	74	1048	7.27		-0.21	A	1284	193	2.48		0.03	A
223	SA4	1048	433	30.79		0.38	C>	74	1048	12.68		-0.27	A	1284	193	8.43		0.01	A
224	SA4	1048	433	21.46		0.25	B>	74	1048	3.25		-0.11	A	1284	193	2.21		-0.05	A
225	SA4	1109	435	45.45		0.37	C>	61	1109	0.50		-0.02	A	1305	234	19.87		0.08	A
226	SA4	1109	435	20.89		0.22	B>	61	1109	2.38		0.11	A	1305	234	15.52		0.00	A
227	SA4	1109	435	28.10		0.23	B>	61	1109	5.03		0.07	A	1305	234	4.38		-0.07	A
228	SA4	1109	435	19.02		0.26	C>	61	1109	4.51		-0.07	A	1305	234	1.74		0.01	A
229	SA4	1051	400	17.47		-0.02	A	67	1051	10.90		0.23	A	1276	163	8.20		-0.01	A
230	SA4	1051	400	11.34		0.08	A	67	1051	4.86		0.13	A	1276	163	4.55		-0.02	A
231	SA4	1051	400	15.35		0.21	B>	67	1051	2.84		-0.02	A	1276	163	6.63		0.14	A
232	SA4	1051	400	11.23		0.11	A	67	1051	3.87		-0.02	A	1276	163	8.77		0.14	A
233	SA4	4204	1691	46.63		0.06	A	278	4204	6.12		0.13	A	5085	777	14.68		-0.05	A
234	SA4	996	423	5.25		0.09	A	76	996	5.56		0.15	A	1220	187	10.03		-0.03	A
235	SA4	996	423	15.75		0.18	B>	76	996	0.38		0.04	A	1220	187	4.81		-0.06	A
236	SA4	996	423	54.94		0.41	C>	76	996	2.38		-0.09	A	1220	187	3.53		-0.04	A
237	SA4	1048	433	14.07		0.17	A	74	1048	8.96		-0.20	A	1284	193	5.71		0.03	A
238	SA4	1048	433	9.68		0.06	A	74	1048	3.28		-0.07	A	1284	193	2.57		0.03	A
239	SA4	1048	433	10.79		0.18	A	74	1048	1.99		0.05	A	1284	193	1.10		0.02	A
240	SA4	1109	435	36.11		-0.01	A	61	1109	4.43		0.19	A	1305	234	3.26		0.00	A
241	SA4	1109	435	28.19		0.16	A	61	1109	8.26		0.07	A	1305	234	10.72		-0.01	A
242	SA4	1109	435	20.03		-0.01	A	61	1109	2.93		0.14	A	1305	234	11.17		0.01	A
243	SA4	1051	400	17.17		-0.04	A	67	1051	7.73		0.18	A	1276	163	11.24		-0.14	A
244	SA4	1051	400	15.46		0.07	A	67	1051	6.67		0.13	A	1276	163	9.17		0.07	A
245	SA4	1051	400	13.69		0.16	A	67	1051	3.25		0.14	A	1276	163	8.35		0.02	A

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.52: DIF Statistics based on ELL Students for Items in Reading on Stage V**

		Focal Group: Female						Focal Group: Hispanic						Focal Group: American Indian						Focal Group: Special Education					
Item	Item Type	Reference Group: Male						Reference Group: Non-Hispanic						Reference Group: Non-American Indian						Reference Group: Non-Special Education					
		NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag
1	MC	1477	1835	0.02	-0.04	-0.01	A	2028	1285	33.64	1.33	0.18	B>	157	3156	0.88	0.57	0.07	A	566	2747	14.80	-1.08	-0.17	B<
2	MC	1477	1835	0.07	0.05	0.01	A	2028	1285	2.48	0.29	0.05	A	157	3156	0.63	-0.33	-0.07	A	566	2747	3.06	-0.42	-0.08	A
3	MC	1477	1835	49.92	1.22	0.23	B>	2028	1285	0.05	0.04	0.01	A	157	3156	0.01	0.03	0.01	A	566	2747	28.91	-1.22	-0.24	B<
4	MC	1477	1835	2.69	0.28	0.06	A	2028	1285	11.34	0.59	0.11	A	157	3156	0.00	-0.03	-0.01	A	566	2747	21.57	-1.08	-0.21	B<
5	MC	1477	1835	8.93	0.52	0.10	A	2028	1285	0.20	0.08	0.02	A	157	3156	0.14	-0.15	-0.03	A	566	2747	10.69	-0.77	-0.14	A
6	MC	1477	1835	29.25	0.98	0.17	A	2028	1285	15.86	-0.74	-0.13	A	157	3156	3.01	-0.70	-0.13	A	566	2747	43.04	-1.54	-0.29	C<
7	MC	1477	1835	0.31	0.10	0.02	A	2028	1285	1.54	0.23	0.04	A	157	3156	0.08	-0.12	-0.02	A	566	2747	0.12	-0.08	-0.01	A
8	MC	398	527	0.14	0.14	0.02	A	535	390	0.08	-0.10	-0.02	A	38	887	0.00	-0.01	0.00	A	163	762	11.07	-1.50	-0.28	C<
9	MC	398	527	0.19	-0.16	-0.03	A	535	390	0.01	0.04	0.00	A	38	887	4.45	-2.06	-0.29	A	163	762	9.98	-1.42	-0.26	B<
10	MC	398	527	1.16	0.56	0.07	A	535	390	1.28	-0.58	-0.07	A	38	887	1.42	-1.36	-0.16	A	163	762	5.01	-1.29	-0.18	A
11	MC	398	527	0.22	0.18	0.03	A	535	390	0.52	-0.29	-0.04	A	38	887	5.00	1.91	0.38	A	163	762	0.27	0.27	0.04	A
12	MC	398	527	0.18	0.14	0.03	A	535	390	11.64	-1.18	-0.21	B<	38	887	0.09	0.25	0.04	A	163	762	3.88	-0.85	-0.16	A
13	MC	398	527	0.26	0.18	0.03	A	535	390	1.38	-0.43	-0.08	A	38	887	0.17	-0.42	-0.06	A	163	762	0.64	-0.37	-0.06	A
14	MC	398	527	3.29	0.60	0.11	A	535	390	0.15	0.13	0.03	A	38	887	1.66	-1.03	-0.20	A	163	762	19.12	-1.83	-0.36	C<
15	MC	398	527	2.80	-0.58	-0.10	A	535	390	0.13	-0.12	-0.03	A	38	887	0.64	-0.68	-0.13	A	163	762	0.10	-0.14	-0.02	A
16	MC	398	527	5.97	0.83	0.15	A	535	390	0.82	-0.31	-0.05	A	38	887	2.40	-1.33	-0.24	A	163	762	6.70	-1.10	-0.20	B<
17	MC	398	527	1.19	0.37	0.07	A	535	390	1.92	-0.47	-0.09	A	38	887	1.25	-1.00	-0.19	A	163	762	1.02	-0.46	-0.08	A
18	MC	398	527	2.48	-0.52	-0.10	A	535	390	4.47	0.70	0.12	A	38	887	0.01	-0.07	-0.02	A	163	762	0.78	0.38	0.07	A
19	MC	398	527	2.69	0.55	0.10	A	535	390	0.88	-0.32	-0.05	A	38	887	12.16	-3.21	-0.53	C<	163	762	27.77	-2.29	-0.44	C<
20	MC	398	527	14.12	1.51	0.23	C>	535	390	1.13	-0.42	-0.07	A	38	887	0.44	-0.70	-0.09	A	163	762	18.32	-1.99	-0.35	C<
21	MC	398	527	0.28	0.18	0.03	A	535	390	1.81	0.47	0.09	A	38	887	0.53	-0.65	-0.12	A	163	762	0.25	-0.23	-0.04	A
22	MC	398	527	5.91	0.79	0.16	A	535	390	12.58	1.15	0.23	B>	38	887	5.52	-1.98	-0.37	A	163	762	23.37	-2.06	-0.41	C<
23	MC	398	527	0.83	-0.30	-0.06	A	535	390	9.17	-1.00	-0.20	B<	38	887	0.57	-0.61	-0.12	A	163	762	6.65	-1.07	-0.21	B<
24	MC	398	527	3.89	0.65	0.12	A	535	390	0.02	0.05	0.01	A	38	887	1.83	-1.05	-0.21	A	163	762	41.22	-2.77	-0.54	C<
25	MC	398	527	0.39	0.21	0.04	A	535	390	1.84	-0.46	-0.08	A	38	887	0.36	0.49	0.10	A	163	762	0.05	-0.10	-0.02	A
26	MC	398	527	1.63	-0.43	-0.08	A	535	390	0.03	-0.06	-0.02	A	38	887	0.00	-0.04	-0.01	A	163	762	0.16	-0.17	-0.03	A
27	MC	398	527	0.11	-0.11	-0.02	A	535	390	0.90	-0.33	-0.06	A	38	887	1.96	-1.32	-0.23	A	163	762	4.82	-1.06	-0.18	A
28	MC	398	527	0.35	0.20	0.04	A	535	390	0.00	0.01	0.01	A	38	887	0.01	-0.10	-0.02	A	163	762	0.02	-0.07	-0.02	A
29	MC	398	527	0.16	0.15	0.02	A	535	390	5.70	-0.93	-0.16	A	38	887	2.85	-2.06	-0.29	A	163	762	2.06	-0.79	-0.11	A
30	MC	398	527	3.99	-0.68	-0.13	A	535	390	1.35	-0.39	-0.07	A	38	887	0.09	-0.26	-0.05	A	163	762	1.28	-0.51	-0.09	A
31	MC	367	458	0.08	-0.10	-0.02	A	525	300	0.05	-0.08	-0.03	A	39	786	0.00	0.00	0.00	A	100	725	0.00	-0.01	0.00	A
32	MC	367	458	0.08	-0.10	-0.02	A	525	300	0.02	-0.05	-0.03	A	39	786	0.14	-0.29	-0.06	A	100	725	0.00	0.02	0.01	A
33	MC	367	458	3.72	1.15	0.13	A	525	300	1.20	0.64	0.07	A	39	786	0.04	-0.31	-0.03	A	100	725	12.26	-2.38	-0.37	C<
34	MC	367	458	1.31	0.43	0.07	A	525	300	8.39	1.13	0.16	B>	39	786	0.02	-0.12	-0.02	A	100	725	7.75	-1.56	-0.28	C<
35	MC	367	458	4.06	0.79	0.13	A	525	300	15.19	1.52	0.25	C>	39	786	3.81	-1.50	-0.28	A	100	725	13.45	-2.01	-0.37	C<
36	MC	367	458	2.57	0.58	0.10	A	525	300	0.11	0.12	0.03	A	39	786	14.26	3.57	0.58	C>	100	725	16.70	2.19	0.41	C>
37	MC	367	458	0.04	-0.08	-0.01	A	525	300	1.95	0.55	0.08	A	39	786	0.06	-0.22	-0.03	A	100	725	0.30	-0.30	-0.06	A
38	MC	367	458	0.12	-0.13	-0.02	A	525	300	6.23	1.02	0.17	A	39	786	2.55	-1.58	-0.27	A	100	725	0.32	0.33	0.06	A
39	MC	367	458	0.14	0.14	0.02	A	525	300	0.48	0.26	0.06	A	39	786	3.40	-1.34	-0.28	A	100	725	1.70	-0.71	-0.14	A
40	MC	367	458	5.79	1.01	0.16	A	525	300	0.17	-0.18	-0.04	A	39	786	1.68	-1.17	-0.18	A	100	725	38.90	-3.30	-0.63	C<
41	MC	367	458	1.33	0.40	0.07	A	525	300	5.13	0.80	0.17	A	39	786	0.27	0.40	0.08	A	100	725	0.11	0.18	0.03	A
42	MC	367	458	3.90	0.67	0.13	A	525	300	0.14	0.13	0.01	A	39	786	0.36	-0.49	-0.09	A	100	725	2.44	-0.80	-0.16	A
43	MC	367	458	2.47	0.55	0.10	A	525	300	0.02	-0.05	0.00	A	39	786	0.00	-0.04	-0.01	A	100	725	2.86	-0.90	-0.17	A
44	MC	367	458	6.53	0.89	0.17	A	525	300	2.40	0.55	0.12	A	39	786	2.16	-1.13	-0.23	A	100	725	8.92	-1.56	-0.32	C<
45	MC	367	458	3.41	0.69	0.11	A	525	300	7.35	-1.07	-0.18	B<	39	786	0.05	-0.19	-0.03	A	100	725	3.54	-0.97	-0.19	A
46	MC	367	458	0.39	-0.22	-0.04	A	525	300	0.43	0.23	0.05	A	39	786	2.13	-1.22	-0.22	A	100	725	15.13	-2.06	-0.40	C<
47	MC	367	458	0.08	-0.10	-0.02	A	525	300	4.08	0.78	0.16	A	39	786	7.62	-2.80	-0.46	C<	100	725	0.02	-0.08	-0.01	A



**Table F.52: DIF Statistics based on ELL Students for Items in Reading on Stage V**

Item	Item Type	Focal Group: Female Reference Group: Male							Focal Group: Hispanic Reference Group: Non-Hispanic							Focal Group: American Indian Reference Group: Non-American Indian							Focal Group: Special Education Reference Group: Non-Special Education						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
53	MC	367	458	0.02	0.04	0.01	A		525	300	16.19	-1.46	-0.32	B<		39	786	0.21	-0.40	-0.07	A		100	725	1.16	-0.61	-0.11	A	
54	MC	377	407	11.90	1.53	0.22	C>		467	317	1.39	-0.53	-0.09	A		42	742	0.23	0.49	0.07	A		154	630	18.97	-2.20	-0.39	C<	
55	MC	377	407	0.27	-0.19	-0.03	A		467	317	8.56	-1.14	-0.22	B<		42	742	1.64	1.03	0.19	A		154	630	8.85	1.52	0.25	C>	
56	MC	377	407	1.12	0.65	0.07	A		467	317	0.17	-0.26	-0.04	A		42	742	9.75	-2.99	-0.48	C<		154	630	5.53	-1.56	-0.21	A	
57	MC	377	407	4.54	0.75	0.15	A		467	317	5.75	-0.88	-0.18	A		42	742	0.40	-0.52	-0.10	A		154	630	4.70	-1.01	-0.20	A	
58	MC	377	407	2.12	0.62	0.10	A		467	317	0.08	0.12	0.01	A		42	742	0.01	0.10	0.01	A		154	630	5.76	-1.19	-0.21	A	
59	MC	377	407	0.06	0.09	0.02	A		467	317	1.26	-0.41	-0.07	A		42	742	7.75	2.26	0.42	C>		154	630	0.07	0.12	0.02	A	
60	MC	377	407	0.13	-0.13	-0.02	A		467	317	0.17	-0.15	-0.04	A		42	742	1.24	-0.87	-0.17	A		154	630	0.08	0.13	0.02	A	
61	MC	377	407	0.29	0.20	0.04	A		467	317	3.23	-0.70	-0.12	A		42	742	0.03	-0.15	-0.02	A		154	630	3.14	-0.81	-0.15	A	
62	MC	377	407	3.07	0.66	0.12	A		467	317	2.67	-0.63	-0.12	A		42	742	4.12	-1.63	-0.30	A		154	630	14.66	-1.77	-0.33	C<	
63	MC	377	407	0.03	0.06	0.01	A		467	317	1.55	-0.46	-0.07	A		42	742	3.60	-1.58	-0.28	A		154	630	16.77	-1.86	-0.36	C<	
64	MC	377	407	1.37	0.42	0.08	A		467	317	0.77	-0.33	-0.06	A		42	742	1.22	0.86	0.17	A		154	630	1.60	-0.58	-0.11	A	
65	MC	377	407	0.04	0.07	0.02	A		467	317	0.02	-0.05	-0.02	A		42	742	3.60	-1.52	-0.29	A		154	630	2.37	-0.69	-0.13	A	
66	MC	377	407	14.24	1.45	0.26	B>		467	317	0.69	-0.33	-0.07	A		42	742	0.15	0.35	0.06	A		154	630	15.77	-1.82	-0.34	C<	
67	MC	377	407	1.45	0.41	0.10	A		467	317	0.29	0.19	0.06	A		42	742	0.13	-0.28	-0.06	A		154	630	14.16	-1.69	-0.34	C<	
68	MC	377	407	1.14	0.38	0.08	A		467	317	20.10	1.69	0.33	C>		42	742	7.86	-2.51	-0.43	C<		154	630	2.17	-0.69	-0.14	A	
69	MC	377	407	3.63	-0.67	-0.13	A		467	317	0.11	0.12	0.03	A		42	742	0.20	0.35	0.07	A		154	630	1.46	-0.54	-0.10	A	
70	MC	377	407	2.99	0.59	0.12	A		467	317	1.11	-0.37	-0.09	A		42	742	3.64	-1.59	-0.30	A		154	630	3.05	-0.78	-0.16	A	
71	MC	377	407	0.99	0.35	0.07	A		467	317	3.94	-0.73	-0.15	A		42	742	1.20	-0.86	-0.16	A		154	630	11.09	-1.49	-0.29	B<	
72	MC	377	407	0.16	0.14	0.03	A		467	317	0.22	0.17	0.02	A		42	742	6.69	-2.00	-0.39	C<		154	630	1.02	-0.44	-0.08	A	
73	MC	377	407	1.25	0.41	0.08	A		467	317	0.00	-0.01	-0.01	A		42	742	4.87	-2.17	-0.34	A		154	630	1.95	-0.67	-0.12	A	
74	MC	377	407	2.30	-0.55	-0.12	A		467	317	2.01	-0.53	-0.11	A		42	742	0.69	-0.67	-0.13	A		154	630	0.01	-0.04	0.00	A	
75	MC	377	407	0.72	0.29	0.06	A		467	317	1.35	-0.41	-0.09	A		42	742	1.38	-0.94	-0.19	A		154	630	0.05	-0.09	-0.02	A	
76	MC	377	407	8.44	1.03	0.21	B>		467	317	1.26	-0.41	-0.08	A		42	742	0.96	-0.83	-0.15	A		154	630	8.87	-1.40	-0.26	B<	
77	MC	335	443	5.83	0.99	0.16	A		501	278	3.28	-0.75	-0.12	A		38	741	0.63	0.70	0.13	A		149	630	13.24	-1.75	-0.34	C<	
78	MC	335	443	0.02	-0.07	0.00	A		501	278	0.21	-0.23	-0.03	A		38	741	2.24	1.69	0.24	A		149	630	2.90	0.99	0.15	A	
79	MC	335	443	0.37	0.35	0.04	A		501	278	2.08	0.80	0.10	A		38	741	0.08	-0.32	-0.05	A		149	630	5.30	-1.37	-0.23	A	
80	MC	335	443	1.75	0.62	0.10	A		501	278	14.19	-1.70	-0.30	C<		38	741	0.03	0.20	0.03	A		149	630	0.90	-0.61	-0.07	A	
81	MC	335	443	0.00	0.03	0.02	A		501	278	1.86	0.53	0.10	A		38	741	0.51	-0.58	-0.12	A		149	630	1.82	-0.62	-0.13	A	
82	MC	335	443	1.18	-0.41	-0.08	A		501	278	0.34	-0.22	-0.04	A		38	741	1.42	0.97	0.19	A		149	630	1.51	-0.60	-0.11	A	
83	MC	335	443	0.13	-0.13	-0.02	A		501	278	1.37	-0.45	-0.09	A		38	741	0.01	0.07	0.01	A		149	630	2.70	-0.84	-0.15	A	
84	MC	335	443	8.65	1.08	0.21	B>		501	278	1.98	-0.54	-0.10	A		38	741	0.44	0.58	0.10	A		149	630	7.87	-1.38	-0.25	B<	
85	MC	335	443	1.04	0.36	0.06	A		501	278	0.76	0.31	0.06	A		38	741	0.96	-0.79	-0.16	A		149	630	4.58	-0.96	-0.19	A	
86	MC	335	443	1.42	0.44	0.07	A		501	278	0.01	-0.03	-0.01	A		38	741	0.00	0.05	0.01	A		149	630	0.09	0.14	0.02	A	
87	MC	335	443	4.89	0.79	0.15	A		501	278	18.54	1.50	0.34	C>		38	741	4.44	-1.66	-0.35	A		149	630	12.06	-1.53	-0.34	C<	
88	MC	335	443	0.00	-0.01	-0.01	A		501	278	1.12	0.41	0.07	A		38	741	3.45	-1.54	-0.30	A		149	630	13.35	-1.74	-0.33	C<	
89	MC	335	443	0.10	0.12	0.02	A		501	278	3.09	0.65	0.14	A		38	741	0.01	0.10	0.02	A		149	630	10.91	-1.53	-0.31	C<	
90	MC	335	443	0.37	0.24	0.02	A		501	278	3.28	-0.73	-0.13	A		38	741	2.03	-1.13	-0.24	A		149	630	0.90	0.45	0.08	A	
91	MC	335	443	0.02	-0.06	-0.03	A		501	278	9.13	-1.13	-0.22	B<		38	741	0.66	-0.70	-0.13	A		149	630	0.85	-0.43	-0.08	A	
92	MC	335	443	0.47	0.25	0.02	A		501	278	1.61	0.48	0.09	A		38	741	0.78	0.73	0.15	A		149	630	0.00	-0.03	0.00	A	
93	MC	335	443	0.07	-0.10	0.01	A		501	278	0.28	0.21	0.03	A		38	741	0.30	0.47	0.09	A		149	630	4.20	-1.09	-0.16	A	
94	MC	335	443	0.98	0.38	0.07	A		501	278	0.16	-0.16	-0.03	A		38	741	0.03	-0.15	-0.02	A		149	630	2.25	-0.75	-0.12	A	
95	MC	335	443	2.10	0.54	0.10	A		501	278	0.77	-0.33	-0.05	A		38	741	3.29	-1.48	-0.29	A		149	630	8.52	-1.39	-0.26	B<	
96	MC	335	443	0.04	0.08	0.02	A		501	278	0.02	-0.05	-0.01	A		38	741	0.53	0.62	0.11	A		149	630	4.83	-1.13	-0.19	A	
97	MC	335	443	0.23	-0.18	-0.04	A		501	278	0.00	-0.01	-0.01	A		38	741	0.09	0.25	0.05	A		149	630	1.82	-0.68	-0.12	A	
98	MC	335	443	0.21	-0.17	-0.02	A		501	278	0.33	-0.22	-0.05	A		38	741	0.03	0.16	0.03	A		149	630	0.25	0.24	0.03	A	
99	MC	335	443	0.29	0.20	0.04	A		501	278	0.29	-0.21	-0.04	A		38	741	0.52	0.60	0.12	A		149	630	0.23	-0.23	-0.04	A	

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF),

SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.53: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage V**

Focal Group: Spanish								Focal Group: Spanish								Focal Group: Non-Spanish								Focal Group: American Indian							
Reference Group: Non-Spanish								Reference Group: English								Reference Group: English								Reference Group: English							
Item	Item Type	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag						
1	MC	1807	1506	32.36	1.31	0.18	B>	1807	662	9.50	0.93	0.14	A	844	662	3.61	-0.62	-0.09	A	50	662	0.00	-0.02	0.00	A						
2	MC	1807	1506	10.35	0.57	0.11	A	1807	662	3.56	0.43	0.09	A	844	662	0.82	-0.24	-0.05	A	50	662	0.06	-0.19	-0.04	A						
3	MC	1807	1506	0.03	-0.03	0.00	A	1807	662	0.13	0.08	0.01	A	844	662	0.53	0.19	0.03	A	50	662	0.11	0.24	0.05	A						
4	MC	1807	1506	14.60	0.65	0.13	A	1807	662	8.04	0.62	0.13	A	844	662	0.00	-0.02	-0.01	A	50	662	0.03	0.12	0.02	A						
5	MC	1807	1506	0.45	0.12	0.02	A	1807	662	0.99	0.22	0.05	A	844	662	0.44	0.17	0.03	A	50	662	0.32	-0.42	-0.08	A						
6	MC	1807	1506	14.18	-0.68	-0.12	A	1807	662	0.03	0.04	0.01	A	844	662	23.37	1.31	0.22	B>	50	662	0.42	-0.51	-0.09	A						
7	MC	1807	1506	9.56	0.55	0.10	A	1807	662	8.86	0.71	0.13	A	844	662	0.77	0.24	0.05	A	50	662	0.08	0.22	0.03	A						
8	MC	463	462	2.03	0.53	0.09	A	463	172	3.89	0.95	0.17	A	290	172	1.62	0.67	0.11	A	7	172	0.73	-1.79	-0.32	A						
9	MC	463	462	0.12	0.13	0.02	A	463	172	3.35	0.87	0.14	A	290	172	5.38	1.24	0.19	A	7	172	0.03	0.47	0.06	A						
10	MC	463	462	2.07	-0.73	-0.09	A	463	172	0.00	-0.02	-0.02	A	290	172	2.29	1.15	0.13	A	7	172	0.12	-1.05	-0.12	A						
11	MC	463	462	0.60	-0.30	-0.05	A	463	172	0.03	-0.10	-0.01	A	290	172	0.20	0.27	0.09	A	7	172	1.40	2.20	0.46	A						
12	MC	463	462	20.10	-1.52	-0.28	C<	463	172	6.59	-1.15	-0.21	A	290	172	0.94	0.50	0.09	A	7	172	0.73	1.98	0.32	A						
13	MC	463	462	3.43	-0.66	-0.12	A	463	172	0.35	-0.29	-0.05	A	290	172	2.14	0.80	0.11	A	7	172	0.68	1.88	0.28	A						
14	MC	463	462	0.25	-0.16	-0.03	A	463	172	0.00	-0.03	0.00	A	290	172	0.35	0.28	0.05	A	7	172	0.02	-0.31	-0.05	A						
15	MC	463	462	0.50	-0.24	-0.05	A	463	172	1.64	-0.59	-0.10	A	290	172	0.97	-0.49	-0.10	A	7	172	0.13	-0.75	-0.13	A						
16	MC	463	462	0.76	0.29	0.06	A	463	172	2.21	0.67	0.13	A	290	172	1.44	0.59	0.11	A	7	172	1.23	-2.75	-0.40	A						
17	MC	463	462	0.12	-0.12	-0.02	A	463	172	1.79	0.63	0.12	A	290	172	5.53	1.19	0.21	A	7	172	0.01	0.15	0.03	A						
18	MC	463	462	1.08	0.34	0.06	A	463	172	0.79	-0.39	-0.08	A	290	172	5.44	-1.11	-0.24	A	7	172	0.05	0.44	0.09	A						
19	MC	463	462	2.69	-0.55	-0.10	A	463	172	0.16	0.18	0.03	A	290	172	5.87	1.20	0.23	A	7	172	0.03	-0.35	-0.07	A						
20	MC	463	462	0.92	-0.37	-0.06	A	463	172	0.22	0.24	0.04	A	290	172	4.64	1.26	0.17	A	7	172	2.48		0.54							
21	MC	463	462	4.15	0.70	0.13	A	463	172	4.03	0.97	0.18	A	290	172	0.50	0.38	0.08	A	7	172	3.11	2.81	0.68	A						
22	MC	463	462	15.12	1.24	0.26	B>	463	172	8.07	1.22	0.23	B>	290	172	0.12	-0.16	-0.05	A	7	172	1.36	-2.25	-0.44	A						
23	MC	463	462	5.33	-0.75	-0.15	A	463	172	0.13	-0.16	-0.03	A	290	172	4.90	1.06	0.19	A	7	172	0.44	1.13	0.25	A						
24	MC	463	462	1.89	0.45	0.09	A	463	172	3.78	0.83	0.17	A	290	172	2.02	0.67	0.14	A	7	172	1.47	-2.19	-0.47	A						
25	MC	463	462	0.16	-0.13	-0.02	A	463	172	0.92	0.45	0.09	A	290	172	2.86	0.84	0.17	A	7	172	3.00	2.88	0.69	A						
26	MC	463	462	0.31	0.19	0.03	A	463	172	0.07	-0.12	-0.03	A	290	172	0.67	-0.40	-0.12	A	7	172	0.90	1.76	0.36	A						
27	MC	463	462	0.13	-0.12	-0.02	A	463	172	0.50	0.34	0.05	A	290	172	1.79	0.70	0.12	A	7	172	0.65	1.48	0.31	A						
28	MC	463	462	0.03	0.06	0.02	A	463	172	0.58	0.36	0.04	A	290	172	0.52	0.37	0.03	A	7	172	0.30	1.09	0.20	A						
29	MC	463	462	0.06	-0.10	-0.02	A	463	172	4.21	1.21	0.18	A	290	172	10.65	1.99	0.31	C>	7	172	0.95		-0.37							
30	MC	463	462	0.06	-0.08	-0.01	A	463	172	2.51	0.76	0.14	A	290	172	6.05	1.25	0.26	A	7	172	2.90	3.02	0.67	A						
31	MC	469	356	1.88	0.47	0.09	A	469	129	0.03	0.08	0.02	A	227	129	1.38	-0.64	-0.11	A	16	129	0.32	-0.73	-0.13	A						
32	MC	469	356	0.56	-0.25	-0.06	A	469	129	5.88	-1.14	-0.24	A	227	129	6.74	-1.40	-0.28	B<	16	129	0.49	-0.93	-0.16	A						
33	MC	469	356	2.39	0.89	0.10	A	469	129	7.31	1.97	0.26	C>	227	129	4.42	1.74	0.23	A	16	129	0.31	1.50	0.15	A						
34	MC	469	356	13.37	1.39	0.22	B>	469	129	10.06	1.67	0.31	C>	227	129	1.37	0.71	0.10	A	16	129	1.53	1.99	0.30	A						
35	MC	469	356	8.93	1.16	0.19	B>	469	129	4.85	1.22	0.21	A	227	129	0.02	0.09	0.02	A	16	129	1.15	-1.55	-0.25	A						
36	MC	469	356	0.29	-0.19	-0.03	A	469	129	1.59	-0.63	-0.11	A	227	129	1.17	-0.61	-0.13	A	16	129	8.21	6.71	0.74	C>						
37	MC	469	356	0.24	0.19	0.03	A	469	129	0.37	-0.36	-0.05	A	227	129	1.48	-0.77	-0.11	A	16	129	0.32	-0.97	-0.13	A						
38	MC	469	356	8.70	1.15	0.20	B>	469	129	1.11	0.56	0.11	A	227	129	2.04	-0.90	-0.17	A	16	129	0.00	-0.09	-0.02	A						
39	MC	469	356	0.14	0.14	0.02	A	469	129	0.58	0.40	0.08	A	227	129	0.47	0.40	0.08	A	16	129	0.29	0.87	0.14	A						
40	MC	469	356	0.00	-0.01	-0.01	A	469	129	0.15	0.23	0.04	A	227	129	0.62	0.54	0.08	A	16	129	0.71	-1.32	-0.19	A						
41	MC	469	356	3.10	0.61	0.12	A	469	129	0.16	0.20	0.03	A	227	129	1.35	-0.64	-0.13	A	16	129	0.06	0.33	0.06	A						
42	MC	469	356	0.00	-0.02	-0.01	A	469	129	0.00	0.00	-0.01	A	227	129	0.02	0.08	-0.02	A	16	129	1.48	-1.70	-0.34	A						
43	MC	469	356	0.15	-0.14	-0.02	A	469	129	0.02	-0.06	-0.03	A	227	129	0.00	-0.02	-0.04	A	16	129	0.44	-0.89	-0.18	A						
44	MC	469	356	1.76	0.46	0.09	A	469	129	0.48	0.35	0.07	A	227	129	0.32	-0.31	-0.02	A	16	129	1.86	-1.64	-0.36	A						
45	MC	469	356	7.29	-1.02	-0.18	B<	469	129	5.60	-1.28	-0.24	A	227	129	0.39	-0.38	-0.12	A	16	129	1.90	-2.27	-0.31	A						
46	MC	469	356	0.00	0.00	0.00	A	469	129	0.09	-0.15	-0.04	A	227	129	0.40	-0.36	-0.07	A	16	129	0.35	-0.91	-0.13	A						
47	MC	469	356	4.36	0.77	0.15	A	469	129	1.14	0.55	0.09	A	227	129	0.52	-0.42	-0.07	A	16	129	3.68	-3.47	-0.54	A						
48	MC	469	356	0.62	0.32	0.06	A	469	129	4.74	1.35	0.21	A	227																	

**Table F.53: DIF Statistics based on ELL Students' Home Languages for Items in Reading on Stage V**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
53	MC	469	356	6.57	-0.90	-0.19	A	469	129	3.34	-0.90	-0.20	A	227	129	0.01	0.04	-0.03	A	16	129	2.08	-2.34	-0.39	A
54	MC	384	400	0.15	-0.17	-0.03	A	384	232	0.27	0.25	0.03	A	168	232	2.92	1.08	0.16	A	16	232	0.73	1.64	0.22	A
55	MC	384	400	8.46	-1.09	-0.20	B<	384	232	4.04	-0.86	-0.16	A	168	232	0.82	0.51	0.09	A	16	232	1.26	1.68	0.27	A
56	MC	384	400	0.31	-0.34	-0.05	A	384	232	0.01	-0.06	-0.02	A	168	232	0.42	0.58	0.06	A	16	232	6.75	-3.77	-0.66	C<
57	MC	384	400	3.78	-0.69	-0.14	A	384	232	5.25	-0.93	-0.18	A	168	232	2.56	-0.82	-0.15	A	16	232	1.61	-1.89	-0.32	A
58	MC	384	400	0.00	-0.01	0.00	A	384	232	0.17	0.19	0.04	A	168	232	0.65	0.48	0.07	A	16	232	0.42	-0.92	-0.16	A
59	MC	384	400	4.47	-0.75	-0.14	A	384	232	7.19	-1.12	-0.23	B<	168	232	2.24	-0.74	-0.15	A	16	232	7.02	3.75	0.65	C>
60	MC	384	400	2.97	-0.63	-0.12	A	384	232	2.06	-0.62	-0.12	A	168	232	0.02	0.07	0.01	A	16	232	0.69	1.04	0.22	A
61	MC	384	400	3.24	-0.68	-0.11	A	384	232	0.66	-0.35	-0.05	A	168	232	2.25	0.80	0.14	A	16	232	0.68	-1.30	-0.20	A
62	MC	384	400	2.85	-0.63	-0.12	A	384	232	0.70	-0.36	-0.08	A	168	232	1.24	0.61	0.11	A	16	232	5.97	-3.48	-0.59	A
63	MC	384	400	0.06	-0.09	-0.01	A	384	232	0.16	-0.18	-0.03	A	168	232	0.06	-0.13	-0.03	A	16	232	3.46	-2.38	-0.44	A
64	MC	384	400	3.97	-0.73	-0.13	A	384	232	3.52	-0.80	-0.15	A	168	232	0.06	-0.13	-0.02	A	16	232	0.59	-0.93	-0.18	A
65	MC	384	400	0.73	-0.30	-0.08	A	384	232	1.09	-0.43	-0.12	A	168	232	0.45	-0.35	-0.07	A	16	232	9.51	-4.70	-0.74	C<
66	MC	384	400	0.97	-0.38	-0.06	A	384	232	0.02	0.06	0.01	A	168	232	4.19	1.13	0.19	A	16	232	0.06	0.34	0.06	A
67	MC	384	400	0.29	-0.19	-0.03	A	384	232	3.67	-0.77	-0.15	A	168	232	7.90	-1.37	-0.28	B<	16	232	4.61	-2.88	-0.55	A
68	MC	384	400	25.07	1.80	0.35	C>	384	232	13.84	1.56	0.30	C>	168	232	1.20	-0.60	-0.11	A	16	232	1.87	-2.26	-0.34	A
69	MC	384	400	0.55	0.26	0.06	A	384	232	0.70	0.34	0.09	A	168	232	0.13	0.18	0.03	A	16	232	0.15	-0.49	-0.09	A
70	MC	384	400	2.20	-0.51	-0.11	A	384	232	0.78	-0.36	-0.07	A	168	232	0.47	0.33	0.07	A	16	232	2.84	-2.50	-0.43	A
71	MC	384	400	0.10	-0.11	-0.01	A	384	232	1.63	0.52	0.12	A	168	232	9.08	1.53	0.29	C>	16	232	0.50	0.87	0.17	A
72	MC	384	400	0.53	0.25	0.05	A	384	232	0.64	0.33	0.06	A	168	232	0.07	0.13	0.02	A	16	232	0.11	-0.40	-0.08	A
73	MC	384	400	0.66	-0.30	-0.06	A	384	232	0.59	-0.33	-0.07	A	168	232	0.00	-0.03	-0.01	A	16	232	1.03	-1.59	-0.26	A
74	MC	384	400	1.41	-0.43	-0.10	A	384	232	1.41	-0.50	-0.12	A	168	232	0.10	-0.16	-0.03	A	16	232	1.68	-1.83	-0.32	A
75	MC	384	400	0.00	0.02	0.02	A	384	232	0.01	-0.03	0.03	A	168	232	0.04	-0.09	-0.02	A	16	232	1.08	-1.35	-0.27	A
76	MC	384	400	0.47	-0.25	-0.05	A	384	232	0.29	-0.23	-0.05	A	168	232	0.00	0.02	0.00	A	16	232	4.90	-4.21	-0.55	A
77	MC	491	288	0.19	0.18	0.04	A	491	129	1.04	0.56	0.11	A	159	129	1.16	0.71	0.12	A	11	129	0.05	0.41	0.08	A
78	MC	491	288	9.32	-1.54	-0.21	C<	491	129	4.47	-1.46	-0.19	A	159	129	0.03	0.14	0.02	A	11	129	0.06	-0.50	-0.08	A
79	MC	491	288	0.99	0.55	0.07	A	491	129	0.31	-0.44	-0.07	A	159	129	3.02	-1.53	-0.20	A	11	129	1.71	-2.33	-0.48	A
80	MC	491	288	6.33	-1.15	-0.17	A	491	129	0.22	-0.30	-0.03	A	159	129	4.08	1.44	0.24	A	11	129	6.32	3.57	0.78	A
81	MC	491	288	4.86	0.85	0.16	A	491	129	4.69	1.08	0.20	A	159	129	0.64	0.48	0.09	A	11	129	0.01	0.13	0.04	A
82	MC	491	288	0.02	-0.05	-0.01	A	491	129	0.33	0.29	0.05	A	159	129	0.91	0.58	0.11	A	11	129	0.03	0.28	0.08	A
83	MC	491	288	0.00	0.02	0.00	A	491	129	0.02	0.07	0.01	A	159	129	0.03	0.11	0.02	A	11	129	0.75	1.40	0.25	A
84	MC	491	288	0.22	0.17	0.03	A	491	129	0.86	0.46	0.08	A	159	129	0.66	0.49	0.09	A	11	129	2.91	-4.64	-0.50	A
85	MC	491	288	2.39	0.55	0.11	A	491	129	3.07	0.82	0.15	A	159	129	0.79	0.49	0.11	A	11	129	0.70	-1.36	-0.27	A
86	MC	491	288	0.02	0.05	0.01	A	491	129	0.04	0.09	0.02	A	159	129	0.04	0.11	0.02	A	11	129	0.17	0.63	0.14	A
87	MC	491	288	19.06	1.54	0.32	C>	491	129	7.39	1.27	0.26	B>	159	129	0.77	-0.49	-0.11	A	11	129	6.34	-5.37	-0.80	A
88	MC	491	288	2.48	0.60	0.10	A	491	129	3.19	0.90	0.16	A	159	129	0.76	0.53	0.10	A	11	129	0.14	-0.59	-0.15	A
89	MC	491	288	19.56	1.66	0.31	C>	491	129	10.74	1.65	0.31	C>	159	129	0.01	-0.06	-0.01	A	11	129	0.06	0.38	0.09	A
90	MC	491	288	4.86	-0.88	-0.16	A	491	129	0.05	-0.11	-0.04	A	159	129	4.75	1.43	0.24	A	11	129	1.24	-1.61	-0.35	A
91	MC	491	288	8.96	-1.09	-0.21	B<	491	129	0.38	-0.30	-0.05	A	159	129	5.56	1.37	0.28	A	11	129	0.34	-0.96	-0.20	A
92	MC	491	288	0.80	0.33	0.07	A	491	129	0.09	0.15	0.04	A	159	129	0.32	-0.33	-0.07	A	11	129	1.73	-2.14	-0.41	A
93	MC	491	288	0.05	0.09	0.01	A	491	129	0.25	0.27	0.04	A	159	129	0.20	0.29	0.05	A	11	129	1.56	2.13	0.35	A
94	MC	491	288	0.57	0.30	0.05	A	491	129	2.53	0.84	0.16	A	159	129	2.43	0.96	0.18	A	11	129	0.01	0.17	0.01	A
95	MC	491	288	0.10	-0.12	-0.02	A	491	129	0.01	0.04	0.01	A	159	129	0.20	0.27	0.05	A	11	129	0.31	-0.86	-0.20	A
96	MC	491	288	1.54	0.48	0.09	A	491	129	0.72	0.43	0.08	A	159	129	0.02	-0.08	-0.02	A	11	129	0.27	0.83	0.16	A
97	MC	491	288	2.16	0.56	0.12	A	491	129	1.24	0.57	0.11	A	159	129	0.00	0.03	0.00	A	11	129	0.00	0.03	0.01	A
98	MC	491	288	0.49	-0.27	-0.05	A	491	129	0.01	0.05	0.00	A	159	129	0.95	0.59	0.11	A	11	129	1.49	-2.93	-0.37	A
99	MC	491	288	0.08	-0.11	-0.03	A	491	129	0.02	0.08	0.00	A	159	129	0.19	0.26	0.04	A	11	129	0.45	-1.38	-0.20	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF),

SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.54: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Reading on Stage V**

Item	Item Type	Focal Group: ELL							Focal Group: FEP							Focal Group: FRL (ELL and Non-ELL)						
		Reference Group: Non-ELL							Reference Group: ELL							Reference Group: Non-FRL (ELL and Non-ELL)						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
1	MC	3313	1623	5.68	-0.61	-0.10	A		117	3313	0.35	0.64	0.03	A		3955	913	5.47	-0.70	-0.08	A	
2	MC	3313	1623	29.46	-0.92	-0.12	A		117	3313	0.09	-0.14	-0.03	A		3955	913	20.00	-0.86	-0.13	A	
3	MC	3313	1623	0.31	-0.09	0.01	A		117	3313	0.99	-0.48	-0.08	A		3955	913	5.77	-0.45	-0.08	A	
4	MC	3313	1623	14.33	-0.63	-0.08	A		117	3313	0.38	0.28	0.06	A		3955	913	14.35	-0.71	-0.11	A	
5	MC	3313	1623	4.00	-0.34	-0.01	A		117	3313	6.55	-1.23	-0.25	A		3955	913	6.52	-0.48	-0.07	A	
6	MC	3313	1623	0.12	-0.07	0.00	A		117	3313	1.18	0.64	0.09	A		3955	913	6.66	-0.54	-0.08	A	
7	MC	3313	1623	21.10	-0.78	-0.11	A		117	3313	2.63	-0.76	-0.16	A		3955	913	4.08	-0.39	-0.05	A	
8	MC	925	390	0.73	0.33	0.14	A		30	925	0.05	-0.28	-0.03	A		1076	220	2.95	-0.82	-0.11	A	
9	MC	925	390	0.48	-0.30	-0.07	A		30	925	3.05	-1.88	-0.23	A		1076	220	0.01	-0.04	0.01	A	
10	MC	925	390	2.42	0.81	0.09	A		30	925	2.18	-2.14	-0.17	A		1076	220	0.73	0.48	0.07	A	
11	MC	925	390	10.59	-1.17	-0.13	B<		30	925	0.82	-1.03	-0.18	A		1076	220	0.41	0.26	0.05	A	
12	MC	925	390	0.56	0.28	0.06	A		30	925	5.09	-2.01	-0.37	A		1076	220	0.05	-0.10	-0.02	A	
13	MC	925	390	0.00	0.02	0.01	A		30	925	0.21	-0.50	-0.07	A		1076	220	0.73	0.38	0.08	A	
14	MC	925	390	1.14	-0.41	-0.07	A		30	925	0.97	-0.94	-0.16	A		1076	220	0.04	-0.09	-0.01	A	
15	MC	925	390	4.00	-0.71	-0.14	A		30	925	0.44	-0.61	-0.12	A		1076	220	1.28	-0.44	-0.08	A	
16	MC	925	390	1.16	-0.39	-0.08	A		30	925	3.58	-1.77	-0.32	A		1076	220	3.80	-0.77	-0.13	A	
17	MC	925	390	14.11	-1.28	-0.15	B<		30	925	1.18	-1.00	-0.22	A		1076	220	7.97	-1.08	-0.18	B<	
18	MC	925	390	0.36	-0.22	0.06	A		30	925	0.45	0.63	0.12	A		1076	220	0.52	0.28	0.05	A	
19	MC	925	390	0.11	-0.13	-0.04	A		30	925	0.51	-0.72	-0.11	A		1076	220	2.71	-0.68	-0.13	A	
20	MC	925	390	0.00	0.03	-0.07	A		30	925	0.14	-0.47	-0.05	A		1076	220	1.64	-0.61	-0.10	A	
21	MC	925	390	6.27	-0.85	-0.05	A		30	925	0.96	-1.01	-0.18	A		1076	220	0.24	-0.19	0.00	A	
22	MC	925	390	5.39	-0.79	-0.13	A		30	925	0.34	-0.51	-0.11	A		1076	220	1.47	-0.48	-0.08	A	
23	MC	925	390	0.18	-0.15	0.05	A		30	925	0.16	-0.35	-0.08	A		1076	220	1.25	-0.42	-0.09	A	
24	MC	925	390	3.91	-0.72	-0.12	A		30	925	2.68	-1.49	-0.28	A		1076	220	1.70	-0.51	-0.11	A	
25	MC	925	390	6.77	-0.87	-0.07	A		30	925	0.49	-0.68	-0.14	A		1076	220	0.30	-0.21	-0.03	A	
26	MC	925	390	15.21	-1.32	-0.14	B<		30	925	2.80	1.50	0.32	A		1076	220	0.39	-0.24	-0.05	A	
27	MC	925	390	0.63	-0.27	0.00	A		30	925	0.10	-0.29	-0.07	A		1076	220	0.00	0.03	0.04	A	
28	MC	925	390	1.77	-0.45	-0.07	A		30	925	2.44	-1.51	-0.31	A		1076	220	0.13	0.14	0.02	A	
29	MC	925	390	35.31	-2.08	-0.20	C<		30	925	0.37	0.58	0.12	A		1076	220	0.45	-0.28	-0.01	A	
30	MC	925	390	2.47	-0.53	-0.06	A		30	925	1.55	-1.17	-0.25	A		1076	220	0.33	0.22	0.02	A	
31	MC	825	491	11.28	-1.06	-0.18	B<		34	825	1.40	1.11	0.21	A		1127	158	1.87	-0.67	-0.06	A	
32	MC	825	491	1.15	-0.33	-0.04	A		34	825	0.00	-0.01	0.00	A		1127	158	4.64	-0.90	-0.21	A	
33	MC	825	491	0.27	0.26	0.03	A		34	825	1.47		0.14			1127	158	0.08	-0.25	-0.01	A	
34	MC	825	491	3.55	-0.67	-0.10	A		34	825	0.01	-0.10	-0.01	A		1127	158	0.06	-0.14	-0.03	A	
35	MC	825	491	0.02	-0.05	0.03	A		34	825	0.21	0.64	0.06	A		1127	158	0.10	-0.17	-0.05	A	
36	MC	825	491	12.87	-1.20	-0.16	B<		34	825	11.19	4.85	0.54	C>		1127	158	0.18	-0.21	0.00	A	
37	MC	825	491	6.68	0.98	0.13	A		34	825	1.11	1.62	0.13	A		1127	158	0.15	0.23	0.08	A	
38	MC	825	491	6.31	-0.82	-0.03	A		34	825	0.07	-0.24	-0.05	A		1127	158	2.72	-0.75	-0.09	A	
39	MC	825	491	0.28	0.19	0.02	A		34	825	0.01	0.10	0.01	A		1127	158	1.08	-0.56	-0.09	A	
40	MC	825	491	0.17	-0.16	-0.05	A		34	825	1.21	-1.49	-0.12	A		1127	158	0.08	0.17	0.01	A	
41	MC	825	491	2.01	-0.46	-0.04	A		34	825	0.41	0.63	0.10	A		1127	158	0.05	0.10	0.00	A	
42	MC	825	491	6.43	-0.81	-0.15	A		34	825	0.71	0.81	0.13	A		1127	158	2.86	-0.81	-0.13	A	
43	MC	825	491	9.72	-1.06	-0.18	B<		34	825	0.82	0.79	0.15	A		1127	158	5.90	-1.28	-0.20	A	
44	MC	825	491	1.28	0.37	0.07	A		34	825	1.19	-0.98	-0.17	A		1127	158	2.32	0.76	0.15	A	
45	MC	825	491	0.21	0.17	0.00	A		34	825	0.35	-0.66	-0.08	A		1127	158	0.00	-0.04	0.02	A	
46	MC	825	491	0.01	0.04	0.04	A		34	825	0.71	-0.79	-0.14	A		1127	158	0.14	0.18	0.07	A	
47	MC	825	491	9.38	-0.99	-0.16	A		34	825	2.80	1.53	0.33	A		1127	158	2.61	-0.78	-0.05	A	
48	MC	825	491	5.00	-0.77	-0.14	A		34	825	0.33	-0.53	-0.12	A		1127	158	0.10	-0.15	0.04	A	
49	MC	825	491	0.51	-0.23	-0.06	A		34	825	2.03	-1.24	-0.25	A		1127	158	0.42	0.28	0.06	A	
50	MC	825	491	9.36	-1.00	-0.18	B<		34	825	0.36	0.58	0.11	A		1127	158	2.44	-0.70	-0.21	A	
51	MC	825	491	3.93	-0.63	-0.09	A		34	825	2.79	-1.60	-0.30	A		1127	158	1.14	-0.50	-0.03	A	
52	MC	825	491	8.92	-0.94	-0.15	A		34	825	5.84	-2.59	-0.46	A		1127	158	0.75	-0.38	-0.01	A	
53	MC	825	491	0.31	-0.17	0.01	A		34	825	1.31	-1.09	-0.21	A		1127	158	0.11	0.15	0.01	A	

**Table F.54: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Reading on Stage V**

Item	Item Type	Focal Group: ELL							Focal Group: FEP							Focal Group: FRL (ELL and Non-ELL)						
		Reference Group: Non-ELL							Reference Group: ELL							Reference Group: Non-FRL (ELL and Non-ELL)						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
54	MC	784	350	0.01	-0.06	-0.01	A		23	784	0.19	-0.75	-0.06	A		927	201	0.31	0.29	0.05	A	
55	MC	784	350	0.93	-0.41	-0.01	A		23	784	4.97	6.20	0.40	A		927	201	1.65	-0.64	-0.08	A	
56	MC	784	350	0.00	-0.03	0.05	A		23	784	0.01	-0.22	-0.01	A		927	201	2.58	-1.43	-0.12	A	
57	MC	784	350	0.14	0.14	0.03	A		23	784	0.00	0.03	0.01	A		927	201	2.81	-0.67	-0.16	A	
58	MC	784	350	0.08	-0.13	0.01	A		23	784	0.05	-0.38	-0.03	A		927	201	1.12	-0.57	-0.08	A	
59	MC	784	350	0.79	-0.36	-0.02	A		23	784	1.81	1.59	0.27	A		927	201	1.85	-0.61	-0.09	A	
60	MC	784	350	0.30	-0.24	0.00	A		23	784	0.21	0.57	0.08	A		927	201	2.03	-0.69	-0.11	A	
61	MC	784	350	0.01	-0.04	0.05	A		23	784	0.46	0.92	0.13	A		927	201	0.43	-0.31	-0.08	A	
62	MC	784	350	0.17	-0.17	0.01	A		23	784	0.03	0.21	0.03	A		927	201	0.14	-0.18	-0.04	A	
63	MC	784	350	0.83	0.37	0.11	A		23	784	0.00	0.02	0.01	A		927	201	0.66	0.36	0.09	A	
64	MC	784	350	2.89	-0.67	-0.09	A		23	784	0.27	0.54	0.10	A		927	201	5.82	-1.06	-0.14	A	
65	MC	784	350	0.49	-0.29	-0.01	A		23	784	0.24	0.54	0.10	A		927	201	0.60	-0.35	-0.06	A	
66	MC	784	350	0.40	0.28	0.06	A		23	784	0.47	1.03	0.11	A		927	201	0.07	-0.13	-0.03	A	
67	MC	784	350	0.10	0.12	0.09	A		23	784	0.15	-0.40	-0.08	A		927	201	0.10	-0.13	-0.05	A	
68	MC	784	350	0.11	-0.13	0.09	A		23	784	3.57	1.96	0.41	A		927	201	6.18	-1.02	-0.22	A	
69	MC	784	350	1.19	-0.40	-0.04	A		23	784	0.71	0.85	0.18	A		927	201	3.34	-0.73	-0.11	A	
70	MC	784	350	0.01	-0.04	0.07	A		23	784	0.89	-0.99	-0.20	A		927	201	1.51	0.49	0.15	A	
71	MC	784	350	0.14	0.15	0.05	A		23	784	0.14	-0.40	-0.07	A		927	201	0.27	-0.22	-0.03	A	
72	MC	784	350	0.73	-0.32	-0.01	A		23	784	0.16	0.45	0.09	A		927	201	0.00	0.02	0.01	A	
73	MC	784	350	0.04	0.08	0.08	A		23	784	1.37	1.40	0.26	A		927	201	0.48	-0.30	-0.01	A	
74	MC	784	350	5.78	-0.91	-0.05	A		23	784	0.04	-0.21	-0.04	A		927	201	0.09	0.13	0.06	A	
75	MC	784	350	0.03	-0.07	0.04	A		23	784	1.43	1.24	0.26	A		927	201	0.70	-0.33	-0.01	A	
76	MC	784	350	2.49	-0.63	-0.15	A		23	784	0.03	0.16	0.03	A		927	201	3.78	-0.85	-0.12	A	
77	MC	779	392	0.08	-0.12	-0.02	A		30	779	0.93	1.79	0.13	A		825	334	0.00	-0.02	0.00	A	
78	MC	779	392	6.90	1.28	0.16	B>		30	779	0.35	1.48	0.07	A		825	334	0.76	0.39	0.05	A	
79	MC	779	392	0.17	0.23	0.02	A		30	779	0.05	-0.62	-0.02	A		825	334	0.51	0.37	0.04	A	
80	MC	779	392	6.33	-1.00	-0.10	A		30	779	0.22	-0.58	-0.09	A		825	334	1.05	-0.39	-0.05	A	
81	MC	779	392	4.15	-0.85	-0.17	A		30	779	0.04	-0.22	-0.02	A		825	334	1.67	-0.48	-0.07	A	
82	MC	779	392	6.68	-0.90	-0.16	A		30	779	1.89	-1.37	-0.26	A		825	334	0.07	0.09	0.03	A	
83	MC	779	392	4.85	-0.78	-0.08	A		30	779	1.25	1.07	0.22	A		825	334	1.62	-0.43	-0.10	A	
84	MC	779	392	2.96	-0.61	-0.07	A		30	779	0.01	0.09	0.02	A		825	334	5.27	-0.82	-0.15	A	
85	MC	779	392	0.51	-0.24	-0.04	A		30	779	0.73	0.83	0.16	A		825	334	2.17	-0.48	-0.08	A	
86	MC	779	392	1.13	-0.37	-0.01	A		30	779	2.95	1.79	0.31	A		825	334	1.18	-0.37	-0.07	A	
87	MC	779	392	10.17	-1.11	-0.12	B<		30	779	1.57	-1.12	-0.23	A		825	334	0.59	-0.26	-0.05	A	
88	MC	779	392	4.06	-0.79	-0.12	A		30	779	0.00	-0.05	-0.01	A		825	334	4.19	-0.76	-0.12	A	
89	MC	779	392	0.23	-0.18	0.02	A		30	779	0.28	0.60	0.08	A		825	334	0.90	-0.35	-0.06	A	
90	MC	779	392	0.13	-0.14	-0.01	A		30	779	2.70	2.94	0.24	A		825	334	0.45	0.24	0.05	A	
91	MC	779	392	4.01	0.69	0.15	A		30	779	1.03	-0.87	-0.20	A		825	334	3.53	-0.61	-0.11	A	
92	MC	779	392	8.12	-1.05	-0.10	B<		30	779	0.05	-0.22	-0.04	A		825	334	0.91	-0.34	-0.05	A	
93	MC	779	392	0.21	-0.17	0.06	A		30	779	0.18	-0.41	-0.08	A		825	334	0.09	-0.11	-0.01	A	
94	MC	779	392	5.74	-0.84	-0.10	A		30	779	3.66	-1.81	-0.39	A		825	334	3.55	-0.65	-0.11	A	
95	MC	779	392	0.11	-0.12	0.02	A		30	779	0.16	-0.43	-0.06	A		825	334	2.05	-0.52	-0.10	A	
96	MC	779	392	0.58	0.27	0.08	A		30	779	0.06	0.21	0.04	A		825	334	2.65	-0.53	-0.12	A	
97	MC	779	392	11.99	-1.22	-0.14	B<		30	779	0.03	-0.16	-0.03	A		825	334	0.00	0.00	0.03	A	
98	MC	779	392	0.03	-0.07	-0.01	A		30	779	2.55	1.41	0.31	A		825	334	0.09	0.10	0.05	A	
99	MC	779	392	14.79	-1.35	-0.19	B<		30	779	1.13	1.02	0.21	A		825	334	0.01	-0.04	-0.01	A	

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

Table F.55: DIF Statistics based on ELL Students for Items in Writing on Stage V

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
100	MC	1477	1835	4.95	0.42	0.07	A	2028	1285	3.87	-0.38	-0.07	A	157	3156	1.45	-0.51	-0.09	A	566	2747	69.36	-1.93	-0.38	C<
101	MC	1477	1835	5.96	0.73	0.08	A	2028	1285	1.26	-0.34	-0.04	A	157	3156	0.94	-0.64	-0.07	A	566	2747	56.81	-2.34	-0.35	C<
102	MC	398	527	7.81	0.95	0.18	A	535	390	0.04	-0.07	-0.02	A	38	887	0.08	0.24	0.04	A	163	762	12.37	-1.46	-0.29	B<
103	MC	398	527	3.41	0.61	0.12	A	535	390	1.43	-0.40	-0.08	A	38	887	1.24	-0.93	-0.19	A	163	762	3.08	-0.77	-0.15	A
104	MC	398	527	1.65	0.55	0.08	A	535	390	0.00	-0.02	0.00	A	38	887	1.53	1.75	0.19	A	163	762	5.46	-1.16	-0.20	A
105	MC	398	527	0.54	0.25	0.05	A	535	390	0.40	0.21	0.04	A	38	887	0.10	-0.27	-0.05	A	163	762	0.63	-0.34	-0.07	A
106	MC	398	527	8.38	-0.99	-0.18	A	535	390	15.73	1.36	0.24	B>	38	887	8.91	2.84	0.47	C>	163	762	34.85	2.75	0.48	C>
107	MC	398	527	0.01	0.03	0.01	A	535	390	1.50	-0.47	-0.07	A	38	887	2.81	-1.57	-0.24	A	163	762	0.00	-0.02	0.00	A
108	MC	398	527	3.39	0.84	0.12	A	535	390	0.76	0.39	0.06	A	38	887	1.93	2.64	0.20	A	163	762	2.15	-0.81	-0.12	A
109	MC	398	527	3.26	1.28	0.12	A	535	390	0.87	0.62	0.06	A	38	887	0.27	1.29	0.07	A	163	762	8.81	-2.08	-0.25	C<
110	MC	398	527	0.28	0.25	0.03	A	535	390	10.83	-1.62	-0.19	C<	38	887	0.91	1.58	0.13	A	163	762	0.10	0.20	0.03	A
111	MC	398	527	0.46	-0.23	-0.04	A	535	390	0.82	0.30	0.06	A	38	887	0.40	0.54	0.10	A	163	762	3.45	0.82	0.15	A
112	MC	398	527	1.09	-0.41	-0.06	A	535	390	2.81	0.65	0.11	A	38	887	0.07	0.28	0.04	A	163	762	6.24	1.32	0.20	A
113	MC	398	527	0.05	0.07	0.01	A	535	390	4.78	-0.70	-0.14	A	38	887	0.06	-0.19	-0.04	A	163	762	1.68	0.55	0.11	A
114	MC	398	527	1.52	-0.39	-0.08	A	535	390	2.43	0.50	0.10	A	38	887	0.04	0.16	0.04	A	163	762	1.00	0.41	0.08	A
115	MC	398	527	4.43	0.69	0.14	A	535	390	0.00	0.00	0.02	A	38	887	0.10	-0.24	-0.06	A	163	762	0.88	-0.39	-0.08	A
116	MC	398	527	1.67	0.41	0.08	A	535	390	1.07	-0.33	-0.06	A	38	887	0.25	0.39	0.08	A	163	762	3.97	-0.83	-0.17	A
117	MC	398	527	2.15	0.49	0.09	A	535	390	3.27	-0.62	-0.12	A	38	887	3.72	-1.76	-0.29	A	163	762	49.86	-2.98	-0.60	C<
118	MC	398	527	6.60	0.88	0.16	A	535	390	3.89	-0.69	-0.13	A	38	887	2.63	-1.43	-0.24	A	163	762	34.13	-2.45	-0.48	C<
119	MC	398	527	1.70	0.46	0.08	A	535	390	4.34	-0.74	-0.13	A	38	887	2.69	-1.52	-0.24	A	163	762	25.37	-2.22	-0.42	C<
120	MC	367	458	5.54	0.88	0.15	A	525	300	0.04	0.08	-0.01	A	39	786	2.01	1.53	0.21	A	100	725	15.46	-2.00	-0.39	C<
121	MC	367	458	21.45	1.90	0.31	C>	525	300	0.03	-0.07	-0.04	A	39	786	4.67	3.29	0.32	A	100	725	15.64	-2.00	-0.41	C<
122	MC	367	458	4.08	-0.89	-0.14	A	525	300	0.22	-0.21	-0.04	A	39	786	1.18	-1.22	-0.19	A	100	725	4.27	1.23	0.22	A
123	MC	367	458	0.85	0.40	0.06	A	525	300	4.85	0.95	0.12	A	39	786	0.05	0.25	0.03	A	100	725	6.69	-1.47	-0.26	B<
124	MC	367	458	2.82	0.61	0.11	A	525	300	0.55	0.29	0.05	A	39	786	0.21	-0.38	-0.08	A	100	725	0.07	0.14	0.03	A
125	MC	367	458	0.05	0.08	0.01	A	525	300	0.01	0.03	0.04	A	39	786	0.04	0.16	0.03	A	100	725	9.47	-1.61	-0.32	C<
126	MC	367	458	3.99	-0.81	-0.14	A	525	300	4.11	-0.84	-0.17	A	39	786	0.72	-0.86	-0.14	A	100	725	0.85	0.54	0.10	A
127	MC	367	458	1.56	0.44	0.09	A	525	300	4.27	-0.77	-0.18	A	39	786	7.90	2.42	0.47	C>	100	725	0.31	-0.30	-0.06	A
128	MC	367	458	0.56	0.41	0.05	A	525	300	0.65	-0.45	-0.04	A	39	786	0.36	1.15	0.08	A	100	725	5.17	-1.68	-0.23	A
129	MC	367	458	0.77	0.34	0.05	A	525	300	3.50	0.73	0.13	A	39	786	3.04	1.84	0.24	A	100	725	2.39	0.90	0.15	A
130	MC	367	458	1.42	0.43	0.07	A	525	300	2.73	0.62	0.10	A	39	786	2.95	1.57	0.26	A	100	725	0.74	0.48	0.09	A
131	MC	367	458	4.71	-0.98	-0.15	A	525	300	6.54	1.29	0.20	A	39	786	0.15	-0.39	-0.07	A	100	725	0.80	-0.66	-0.09	A
132	MC	367	458	0.92	0.34	0.06	A	525	300	1.10	-0.39	-0.07	A	39	786	0.05	0.19	0.04	A	100	725	4.04	-1.16	-0.21	A
133	MC	367	458	0.65	0.28	0.05	A	525	300	0.03	0.07	0.01	A	39	786	2.47	1.37	0.25	A	100	725	6.81	-1.35	-0.27	B<
134	MC	367	458	4.24	0.98	0.14	A	525	300	0.22	-0.22	-0.02	A	39	786	0.79	1.35	0.12	A	100	725	3.40	-1.16	-0.19	A
135	MC	367	458	1.23	0.50	0.08	A	525	300	1.18	-0.50	-0.09	A	39	786	2.40	-2.20	-0.26	A	100	725	0.63	-0.59	-0.08	A
136	MC	367	458	3.42	0.65	0.12	A	525	300	3.44	0.68	0.12	A	39	786	0.02	0.09	0.01	A	100	725	1.70	-0.63	-0.13	A
137	MC	367	458	1.89	0.47	0.09	A	525	300	4.04	0.72	0.19	A	39	786	2.33	-1.31	-0.25	A	100	725	0.01	0.05	0.01	A
138	MC	377	407	1.20	-0.54	-0.08	A	467	317	0.98	-0.49	-0.08	A	42	742	0.11	-0.38	-0.05	A	154	630	0.50	-0.46	-0.06	A
139	MC	377	407	0.38	0.25	0.05	A	467	317	9.17	-1.22	-0.24	B<	42	742	0.85	0.79	0.14	A	154	630	0.11	-0.17	-0.03	A
140	MC	377	407	3.58	0.68	0.13	A	467	317	0.05	0.08	-0.01	A	42	742	11.54	-2.67	-0.52	C<	154	630	7.97	-1.24	-0.25	B<
141	MC	377	407	12.67	1.46	0.24	B>	467	317	7.10	1.07	0.18	B>	42	742	5.48	-1.79	-0.35	A	154	630	25.35	-2.34	-0.45	C<
142	MC	377	407	0.09	-0.11	-0.02	A	467	317	3.14	-0.69	-0.13	A	42	742	4.57	-2.20	-0.33	A	154	630	14.47	-2.07	-0.33	C<
143	MC	377	407	0.27	-0.20	-0.03	A	467	317	0.48	0.27	0.06	A	42	742	0.27	0.42	0.08	A	154	630	0.20	0.21	0.05	A
144	MC	377	407	0.23	-0.20	-0.04	A	467	317	0.67	-0.34	-0.05	A	42	742	2.10	1.32	0.22	A	154	630	13.80	2.18	0.33	C>
145	MC	377	407	1.11	0.55	0.07	A	467	317	0.11	0.17	0.01	A	42	742	3.14	-1.75	-0.25	A	154	630	3.26	-1.09	-0.16	A
146	MC	377	407	7.05	1.27	0.19	B>	467	317	0.47	0.33	0.03	A	42	742	0.33	-0.57	-0.08	A	154	630	54.42	-3.65	-0.68	C<
147	MC	377	407	0.14	0.17	0.03	A	467	317	0.08	-0.13	-0.03	A	42	742	3.22	-1.62	-0.26	A	154	630	36.27	-3.00	-0.53	C<
148	MC	377	407	0.61	-0.37	-0.06	A	467	317	3.06	-0.83	-0.13	A	42	742	0.32	-0.65	-0.09	A	154	630	0.00	-0.03	0.00	A
149	MC	377	407	0.05	-0.09	-0.01	A	467	317	3.63	0.71	0.13	A	42	742	0.36	0.50	0.09	A	154	630	1.68	-0.60	-0.11	A
150	MC	377	407	2.83	-0.59	-0.11	A	467	317	0.55	0.27	0.05	A	42	742	0.31	-0.45	-0.09	A	154	630	7.58	1.20	0.25	B>

**Table F.55: DIF Statistics based on ELL Students for Items in Writing on Stage V**

Item	Item Type	Focal Group: Female Reference Group: Male							Focal Group: Hispanic Reference Group: Non-Hispanic							Focal Group: American Indian Reference Group: Non-American Indian							Focal Group: Special Education Reference Group: Non-Special Education						
		NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag	NF	NR	MHχ²	ΔMH	SMD	Flag				
151	MC	377	407	3.42	-0.66	-0.12	A	467	317	0.73	0.32	0.07	A	42	742	4.29	-1.68	-0.32	A	154	630	3.39	-0.85	-0.15	A				
152	MC	377	407	6.17	1.07	0.16	A	467	317	0.10	-0.14	-0.03	A	42	742	6.19	-2.06	-0.37	A	154	630	6.66	-1.25	-0.22	B<				
153	MC	377	407	0.05	-0.08	-0.01	A	467	317	1.19	-0.38	-0.06	A	42	742	0.38	-0.47	-0.10	A	154	630	0.00	-0.03	-0.01	A				
154	MC	377	407	2.49	-0.54	-0.11	A	467	317	1.22	0.39	0.07	A	42	742	0.01	0.06	0.01	A	154	630	1.13	-0.46	-0.09	A				
155	MC	377	407	4.19	0.74	0.14	A	467	317	15.72	1.46	0.30	B>	42	742	0.92	0.76	0.14	A	154	630	2.61	0.73	0.14	A				
156	MC	335	443	0.00	-0.02	-0.01	A	501	278	0.75	-0.32	-0.07	A	38	741	0.34	-0.52	-0.10	A	149	630	0.12	-0.16	-0.04	A				
157	MC	335	443	0.31	-0.20	-0.03	A	501	278	2.65	-0.60	-0.12	A	38	741	0.11	-0.28	-0.06	A	149	630	1.71	-0.62	-0.11	A				
158	MC	335	443	0.01	0.04	0.02	A	501	278	13.84	1.61	0.27	C>	38	741	3.29	-1.59	-0.31	A	149	630	7.38	-1.40	-0.26	B<				
159	MC	335	443	5.03	1.03	0.21	A	501	278	1.04	-0.47	-0.07	A	38	741	4.96	-4.64	-0.34	A	149	630	8.33	-2.09	-0.24	C<				
160	MC	335	443	1.71	0.54	0.07	A	501	278	0.12	0.14	0.02	A	38	741	4.58	2.28	0.35	A	149	630	9.14	1.60	0.28	C>				
161	MC	335	443	0.00	-0.01	0.00	A	501	278	1.84	-0.53	-0.10	A	38	741	1.35	1.08	0.19	A	149	630	1.97	0.67	0.13	A				
162	MC	335	443	2.32	0.60	0.11	A	501	278	8.17	1.10	0.22	B>	38	741	1.13	0.96	0.18	A	149	630	13.72	-1.66	-0.34	C<				
163	MC	335	443	11.60	-1.46	-0.26	B<	501	278	6.51	-1.05	-0.19	A	38	741	0.10	0.29	0.06	A	149	630	2.16	0.74	0.14	A				
164	MC	335	443	1.21	0.46	0.08	A	501	278	0.04	0.09	0.02	A	38	741	0.61	0.76	0.13	A	149	630	1.01	0.50	0.09	A				
165	MC	335	443	0.06	0.09	0.01	A	501	278	2.47	-0.59	-0.12	A	38	741	3.13	1.46	0.29	A	149	630	24.87	2.27	0.45	C>				
166	MC	335	443	1.73	0.51	0.09	A	501	278	0.03	-0.06	-0.01	A	38	741	3.15	-1.45	-0.29	A	149	630	1.02	0.47	0.08	A				
167	MC	335	443	0.04	0.08	0.02	A	501	278	0.01	-0.04	-0.02	A	38	741	1.47	-1.50	-0.19	A	149	630	0.32	-0.33	-0.04	A				
168	MC	335	443	0.31	0.20	0.04	A	501	278	20.36	1.60	0.34	C>	38	741	8.31	-2.30	-0.48	C<	149	630	17.10	-1.82	-0.38	C<				
169	MC	335	443	0.02	-0.06	0.00	A	501	278	4.54	0.95	0.15	A	38	741	0.35	-0.61	-0.08	A	149	630	2.06	-0.84	-0.12	A				
170	MC	335	443	0.28	-0.21	-0.03	A	501	278	3.17	0.71	0.12	A	38	741	0.07	-0.21	-0.04	A	149	630	0.01	0.04	0.01	A				
171	MC	335	443	13.89	1.60	0.24	C>	501	278	1.36	-0.49	-0.08	A	38	741	0.61	0.70	0.13	A	149	630	13.13	-1.65	-0.33	C<				
172	MC	335	443	2.70	0.69	0.10	A	501	278	0.11	0.14	0.03	A	38	741	0.16	-0.35	-0.06	A	149	630	5.54	-1.13	-0.21	A				
173	MC	335	443	0.21	-0.22	-0.02	A	501	278	0.45	-0.32	-0.05	A	38	741	0.00	0.07	0.01	A	149	630	0.00	-0.01	-0.01	A				
174	ER	1477	1835	30.67		0.14	A	2028	1285	45.61		0.15	A	157	3156	2.90		0.02	A	566	2747	15.93		-0.11	A				
175	ER	398	527	25.74		0.23	B>	535	390	12.27		-0.05	A	38	887	3.14		-0.07	A	163	762	9.84		-0.08	A				
176	ER	398	527	16.77		0.13	A	535	390	10.01		0.06	A	38	887	10.54		-0.17	A	163	762	12.34		0.01	A				
177	ER	367	458	22.65		0.29	C>	525	300	6.05		-0.03	A	39	786	11.78		0.30	A	100	725	3.27		0.00	A				
178	ER	367	458	22.92		0.25	C>	525	300	33.88		0.15	A	39	786	3.53		0.03	A	100	725	3.98		-0.11	A				
179	ER	377	407	15.45		0.19	B>	467	317	2.68		-0.01	A	42	742	6.80		0.12	A	154	630	2.70		-0.06	A				
180	ER	377	407	7.81		0.14	A	467	317	8.46		-0.02	A	42	742	2.97		-0.01	A	154	630	6.94		-0.19	A				
181	ER	335	443	18.70		0.18	B>	501	278	4.67		0.00	A	38	741	3.59		0.13	A	149	630	6.64		0.04	A				
182	ER	335	443	11.89		0.14	A	501	278	8.58		0.01	A	38	741	2.39		-0.01	A	149	630	6.87		-0.02	A				

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,

$\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.56: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage V**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
100	MC	1807	1506	0.30	0.10	0.02	A	1807	662	6.73	0.62	0.11	A	844	662	11.60	0.94	0.17	A	50	662	0.19	0.34	0.06	A
101	MC	1807	1506	0.88	-0.27	-0.03	A	1807	662	0.61	0.28	0.04	A	844	662	6.73	1.15	0.13	B>	50	662	0.01	-0.14	-0.01	A
102	MC	463	462	0.01	-0.03	-0.01	A	463	172	0.12	0.16	0.04	A	290	172	0.87	0.46	0.10	A	7	172	1.54	-2.72	-0.44	A
103	MC	463	462	0.24	-0.16	-0.03	A	463	172	0.30	0.25	0.04	A	290	172	1.99	0.68	0.12	A	7	172	0.08	-0.52	-0.12	A
104	MC	463	462	0.28	0.22	0.03	A	463	172	0.17	0.23	0.06	A	290	172	0.04	0.12	0.06	A	7	172	0.01	0.28	0.05	A
105	MC	463	462	3.10	0.58	0.11	A	463	172	4.46	0.93	0.20	A	290	172	2.26	0.72	0.17	A	7	172	0.20	0.89	0.16	A
106	MC	463	462	4.87	0.74	0.13	A	463	172	1.40	-0.54	-0.11	A	290	172	18.39	-2.13	-0.38	C<	7	172	4.23			0.73
107	MC	463	462	2.09	-0.55	-0.09	A	463	172	0.30	0.28	0.06	A	290	172	4.84	1.23	0.25	A	7	172	0.34	1.34	0.21	A
108	MC	463	462	0.00	0.00	0.00	A	463	172	0.14	-0.23	-0.02	A	290	172	0.19	-0.30	-0.04	A	7	172	1.06			0.36
109	MC	463	462	0.00	0.00	0.00	A	463	172	1.24	-1.19	-0.09	A	290	172	1.73	-1.47	-0.14	A	7	172	0.22			0.17
110	MC	463	462	9.28	-1.47	-0.19	B<	463	172	1.37	-0.79	-0.10	A	290	172	2.11	1.09	0.17	A	7	172	3.22	-3.47	-0.57	A
111	MC	463	462	0.91	-0.32	-0.06	A	463	172	9.61	-1.46	-0.26	B<	290	172	13.11	-1.80	-0.29	C<	7	172	1.01	2.12	0.35	A
112	MC	463	462	0.50	0.27	0.04	A	463	172	1.30	-0.63	-0.10	A	290	172	6.43	-1.43	-0.21	A	7	172	3.41	-3.00	-0.63	A
113	MC	463	462	0.64	-0.25	-0.05	A	463	172	0.04	0.09	0.01	A	290	172	0.93	0.45	0.11	A	7	172	2.51	3.33	0.59	A
114	MC	463	462	0.17	0.13	0.03	A	463	172	0.17	0.18	0.04	A	290	172	0.03	0.08	0.03	A	7	172	2.10	3.11	0.56	A
115	MC	463	462	0.34	0.19	0.04	A	463	172	2.11	0.64	0.13	A	290	172	1.64	0.61	0.16	A	7	172	0.72	1.73	0.31	A
116	MC	463	462	0.00	0.01	0.01	A	463	172	0.67	0.35	0.07	A	290	172	1.07	0.48	0.10	A	7	172	0.68	-1.53	-0.32	A
117	MC	463	462	2.49	-0.53	-0.10	A	463	172	0.12	0.15	0.03	A	290	172	5.52	1.17	0.23	A	7	172	1.33	-2.74	-0.41	A
118	MC	463	462	0.86	-0.32	-0.06	A	463	172	3.11	0.79	0.15	A	290	172	16.05	2.07	0.34	C>	7	172	0.00	0.02	0.01	A
119	MC	463	462	3.01	-0.60	-0.10	A	463	172	0.01	0.04	0.01	A	290	172	5.23	1.16	0.18	A	7	172	1.19	3.05	0.40	A
120	MC	469	356	3.04	0.64	0.12	A	469	129	3.23	0.93	0.17	A	227	129	0.78	0.52	0.08	A	16	129	0.19	0.71	0.13	A
121	MC	469	356	0.00	0.02	0.00	A	469	129	0.84	0.50	0.11	A	227	129	2.54	1.03	0.17	A	16	129	0.04	0.36	0.06	A
122	MC	469	356	0.68	-0.35	-0.06	A	469	129	0.16	-0.25	-0.02	A	227	129	0.15	0.27	0.05	A	16	129	1.61	-2.92	-0.32	A
123	MC	469	356	6.51	1.08	0.16	A	469	129	2.03	0.85	0.13	A	227	129	0.33	-0.36	-0.08	A	16	129	0.34	1.05	0.17	A
124	MC	469	356	0.25	0.19	0.03	A	469	129	0.01	0.04	0.02	A	227	129	0.06	-0.15	-0.01	A	16	129	0.22	-0.64	-0.12	A
125	MC	469	356	3.34	-0.62	-0.12	A	469	129	4.97	-1.10	-0.20	A	227	129	2.22	-0.81	-0.13	A	16	129	0.51	-0.87	-0.19	A
126	MC	469	356	0.80	-0.36	-0.07	A	469	129	1.35	-0.63	-0.11	A	227	129	0.17	-0.25	-0.08	A	16	129	0.35	-0.96	-0.17	A
127	MC	469	356	4.35	-0.75	-0.15	A	469	129	0.52	-0.36	-0.07	A	227	129	1.37	0.66	0.10	A	16	129	1.33	1.54	0.32	A
128	MC	469	356	3.88	-1.09	-0.12	A	469	129	5.07	-2.18	-0.21	A	227	129	2.12	-1.51	-0.16	A	16	129	0.68	-2.38	-0.13	A
129	MC	469	356	0.03	0.07	0.02	A	469	129	1.50	-0.69	-0.13	A	227	129	3.76	-1.18	-0.22	A	16	129	0.47	1.28	0.17	A
130	MC	469	356	1.20	0.40	0.07	A	469	129	1.66	-0.69	-0.11	A	227	129	8.77	-1.73	-0.28	C<	16	129	2.10	3.09	0.36	A
131	MC	469	356	7.28	1.25	0.21	B>	469	129	3.24	1.15	0.17	A	227	129	0.35	-0.47	-0.04	A	16	129	0.05	0.33	0.04	A
132	MC	469	356	0.00	-0.02	0.00	A	469	129	0.13	0.18	0.03	A	227	129	0.54	0.42	0.04	A	16	129	0.61	-1.26	-0.21	A
133	MC	469	356	1.02	0.35	0.07	A	469	129	0.40	0.31	0.06	A	227	129	0.17	-0.23	0.00	A	16	129	0.79	1.16	0.23	A
134	MC	469	356	0.53	-0.34	-0.04	A	469	129	0.97	-0.71	-0.11	A	227	129	0.73	-0.65	-0.09	A	16	129	0.16	-0.81	-0.11	A
135	MC	469	356	1.65	-0.57	-0.09	A	469	129	0.51	-0.45	-0.06	A	227	129	0.16	0.28	0.05	A	16	129	0.11	-0.62	-0.11	A
136	MC	469	356	3.49	0.66	0.11	A	469	129	3.34	0.91	0.16	A	227	129	0.78	0.51	0.07	A	16	129	0.11	0.42	0.08	A
137	MC	469	356	4.09	0.69	0.16	A	469	129	0.56	0.36	0.08	A	227	129	1.95	-0.78	-0.13	A	16	129	0.07	-0.34	-0.06	A
138	MC	384	400	0.00	-0.03	-0.02	A	384	232	0.28	0.31	0.03	A	168	232	0.98	0.68	0.11	A	16	232	0.46	-1.68	-0.17	A
139	MC	384	400	1.72	-0.53	-0.10	A	384	232	0.00	-0.03	-0.02	A	168	232	3.41	1.03	0.19	A	16	232	0.00	0.06	0.00	A
140	MC	384	400	1.12	0.38	0.07	A	384	232	0.78	0.36	0.08	A	168	232	0.07	-0.13	-0.02	A	16	232	3.40	-2.45	-0.48	A
141	MC	384	400	4.81	0.88	0.14	A	384	232	3.52	0.86	0.15	A	168	232	0.07	-0.14	-0.02	A	16	232	4.86	-2.85	-0.56	A
142	MC	384	400	0.93	-0.36	-0.08	A	384	232	0.09	-0.13	-0.04	A	168	232	0.92	0.51	0.10	A	16	232	0.48	-1.13	-0.17	A
143	MC	384	400	0.77	0.34	0.07	A	384	232	0.72	0.38	0.09	A	168	232	0.05	0.12	0.03	A	16	232	2.80	2.01	0.43	A
144	MC	384	400	0.93	-0.40	-0.06	A	384	232	0.00	0.00	0.00	A	168	232	3.53	1.09	0.18	A	16	232	7.96			0.72
145	MC	384	400	0.01	0.05	0.00	A	384	232	0.04	-0.12	-0.01	A	168	232	0.59	-0.54	-0.07	A	16	232	0.15	-0.68	-0.10	A
146	MC	384	400	0.94	0.46	0.06	A	384	232	1.89	0.73	0.10	A	168	232	1.08	0.67	0.09	A	16	232	0.81	1.81	0.23	A
147	MC	384	400	2.11	0.65	0.09	A	384	232	3.51	0.93	0.15	A	168	232	1.27	0.70	0.10	A	16	232	1.70	-1.88	-0.33	A
148	MC	384	400	1.99	-0.67	-0.09	A	384	232	0.55	-0.42	-0.04	A	168	232	0.71	0.54	0.09	A	16	232	0.13	0.57	0.09	A
149	MC	384	400	3.74	0.72	0.13	A	384	232	0.47	0.29	0.06	A	168	232	3.97	-1.03	-0.19	A	16	232	1.53	-1.67	-0.31	A
150	MC	384	400	0.06	-0.08	-0.02	A	384	232	0.15	-0.16	-0.05	A	168	232	0.12	-0.17	-0.04	A	16	232	0.49	0.89	0.17	A



**Table F.56: DIF Statistics based on ELL Students' Home Languages for Items in Writing on Stage V**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
151	MC	384	400	0.02	0.06	0.01	A	384	232	0.03	0.08	0.01	A	168	232	0.07	0.13	0.02	A	16	232	0.00	-0.04	0.00	A
152	MC	384	400	0.08	0.12	0.01	A	384	232	0.31	-0.27	-0.04	A	168	232	3.13	-1.01	-0.15	A	16	232	13.43	-4.98	-0.92	C<
153	MC	384	400	3.21	-0.62	-0.13	A	384	232	2.64	-0.66	-0.13	A	168	232	0.00	0.03	0.00	A	16	232	1.30	-1.36	-0.29	A
154	MC	384	400	0.01	-0.04	-0.01	A	384	232	0.71	-0.34	-0.07	A	168	232	3.14	-0.88	-0.17	A	16	232	3.14	-2.50	-0.46	A
155	MC	384	400	17.95	1.53	0.29	C>	384	232	14.64	1.64	0.29	C>	168	232	0.31	0.28	0.05	A	16	232	0.87	1.06	0.22	A
156	MC	491	288	0.55	-0.27	-0.05	A	491	129	1.03	-0.49	-0.09	A	159	129	0.41	-0.37	-0.08	A	11	129	1.28	-1.98	-0.36	A
157	MC	491	288	1.75	-0.48	-0.10	A	491	129	0.21	-0.22	-0.05	A	159	129	0.49	0.39	0.08	A	11	129	3.52	-4.23	-0.59	A
158	MC	491	288	16.43	1.79	0.29	C>	491	129	12.14	1.93	0.32	C>	159	129	0.30	0.36	0.05	A	11	129	0.79	-1.50	-0.29	A
159	MC	491	288	0.03	0.08	0.01	A	491	129	4.99	1.63	0.22	A	159	129	9.71	2.51	0.36	C>	11	129	0.95		-0.27	
160	MC	491	288	3.05	-0.74	-0.11	A	491	129	8.15	-1.80	-0.24	C<	159	129	6.02	-1.80	-0.26	A	11	129	0.30	1.18	0.17	A
161	MC	491	288	5.09	-0.88	-0.16	A	491	129	6.79	-1.39	-0.25	B<	159	129	2.14	-0.93	-0.17	A	11	129	0.01	0.14	0.02	A
162	MC	491	288	10.19	1.24	0.24	B>	491	129	6.79	1.34	0.26	B>	159	129	0.05	0.14	0.02	A	11	129	4.22	3.77	0.68	A
163	MC	491	288	2.47	-0.65	-0.11	A	491	129	0.03	-0.09	-0.01	A	159	129	2.52	1.04	0.18	A	11	129	1.75	2.13	0.43	A
164	MC	491	288	1.04	-0.43	-0.07	A	491	129	0.02	-0.07	0.00	A	159	129	0.88	0.65	0.10	A	11	129	0.04	0.27	0.05	A
165	MC	491	288	12.83	-1.34	-0.24	B<	491	129	11.36	-1.71	-0.30	C<	159	129	1.13	-0.66	-0.12	A	11	129	0.06	0.32	0.09	A
166	MC	491	288	0.39	-0.24	-0.05	A	491	129	0.15	-0.20	-0.04	A	159	129	0.00	0.01	0.01	A	11	129	0.00	0.02	-0.01	A
167	MC	491	288	0.28	-0.23	-0.04	A	491	129	1.10	0.66	0.10	A	159	129	4.04	1.43	0.24	A	11	129	1.18	1.83	0.34	A
168	MC	491	288	35.87	2.14	0.44	C>	491	129	15.74	1.87	0.39	C>	159	129	0.88	-0.54	-0.11	A	11	129	0.78	-1.48	-0.29	A
169	MC	491	288	9.22	1.36	0.21	B>	491	129	4.40	1.29	0.19	A	159	129	0.03	-0.14	-0.02	A	11	129	0.65	1.65	0.22	A
170	MC	491	288	1.82	0.54	0.09	A	491	129	0.88	0.51	0.08	A	159	129	0.03	-0.11	-0.02	A	11	129	0.31	0.79	0.18	A
171	MC	491	288	0.82	-0.38	-0.07	A	491	129	0.79	0.48	0.07	A	159	129	5.23	1.56	0.26	A	11	129	0.54	1.08	0.24	A
172	MC	491	288	0.64	0.33	0.05	A	491	129	4.35	1.17	0.18	A	159	129	4.99	1.49	0.23	A	11	129	0.29	0.71	0.19	A
173	MC	491	288	0.29	-0.26	-0.03	A	491	129	0.29	-0.34	-0.05	A	159	129	0.03	-0.12	-0.02	A	11	129	0.60	-2.01	-0.25	A
174	ER	1807	1506	23.16		0.10	A	1807	662	13.81		0.09	A	844	662	6.81		-0.02	A	50	662	3.00		0.16	A
175	ER	463	462	7.50		-0.08	A	463	172	5.95		-0.12	A	290	172	5.01		-0.08	A	7	172	3.81		0.61	A
176	ER	463	462	4.76		0.02	A	463	172	4.05		0.09	A	290	172	8.68		0.09	A	7	172	2.83		0.45	A
177	ER	469	356	4.83		-0.06	A	469	129	3.79		-0.07	A	227	129	5.80		-0.02	A	16	129	11.86		0.43	A
178	ER	469	356	18.14		0.01	A	469	129	10.73		0.11	A	227	129	5.99		0.13	A	16	129	3.05		0.09	A
179	ER	384	400	4.48		0.02	A	384	232	5.47		0.03	A	168	232	3.18		0.02	A	16	232	10.84		0.20	A
180	ER	384	400	4.88		0.11	A	384	232	4.18		0.13	A	168	232	0.45		0.01	A	16	232	2.43		0.06	A
181	ER	491	288	5.38		-0.10	A	491	129	6.06		-0.09	A	159	129	6.01		0.02	A	11	129	2.55		0.03	A
182	ER	491	288	5.91		-0.10	A	491	129	2.39		-0.03	A	159	129	6.42		0.13	A	11	129	8.11		0.48	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,

$\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.57: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Writing on Stage V**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL							Focal Group: FEP Reference Group: ELL							Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
100	MC	3313	1623	7.02	-0.53	-0.08	A		117	3313	0.81	0.58	0.07	A		3955	913	4.73	-0.51	-0.07	A	
101	MC	3313	1623	2.26	0.42	0.08	A		117	3313	1.39	-1.06	-0.08	A		3955	913	5.03	-0.82	-0.08	A	
102	MC	925	390	0.55	-0.26	-0.03	A		30	925	0.09	0.33	0.05	A		1076	220	0.68	-0.33	-0.06	A	
103	MC	925	390	1.22	-0.37	-0.01	A		30	925	2.70	-1.65	-0.32	A		1076	220	1.52	0.46	0.11	A	
104	MC	925	390	0.00	0.02	0.01	A		30	925	0.09	-0.40	-0.05	A		1076	220	0.40	-0.33	-0.02	A	
105	MC	925	390	0.12	-0.12	0.03	A		30	925	1.06	-0.96	-0.19	A		1076	220	7.50	-1.10	-0.20	B<	
106	MC	925	390	4.07	-0.79	-0.03	A		30	925	2.34	1.72	0.26	A		1076	220	0.16	0.18	0.05	A	
107	MC	925	390	4.27	0.87	0.13	A		30	925	2.56	3.41	0.23	A		1076	220	1.53	0.56	0.12	A	
108	MC	925	390	1.25	0.50	0.14	A		30	925	2.62		0.21			1076	220	0.05	0.11	0.05	A	
109	MC	925	390	0.16	-0.31	-0.02	A		30	925	0.74		0.10			1076	220	1.96	-1.41	-0.09	A	
110	MC	925	390	9.31	1.44	0.18	B>		30	925	0.15	0.90	0.04	A		1076	220	0.04	0.11	0.01	A	
111	MC	925	390	3.88	-0.73	-0.08	A		30	925	5.29	3.03	0.40	A		1076	220	0.05	-0.10	0.02	A	
112	MC	925	390	0.47	0.31	0.03	A		30	925	4.34		0.26			1076	220	0.43	0.32	0.04	A	
113	MC	925	390	0.28	-0.17	0.15	A		30	925	0.50	0.66	0.13	A		1076	220	1.12	0.40	0.08	A	
114	MC	925	390	1.57	-0.40	0.06	A		30	925	1.37	1.03	0.23	A		1076	220	2.76	-0.61	-0.10	A	
115	MC	925	390	1.02	-0.35	-0.03	A		30	925	0.96	1.06	0.17	A		1076	220	0.12	-0.14	-0.03	A	
116	MC	925	390	6.18	-0.82	-0.13	A		30	925	0.63	-0.70	-0.15	A		1076	220	1.96	-0.52	-0.10	A	
117	MC	925	390	0.06	0.09	-0.05	A		30	925	0.05	-0.22	-0.03	A		1076	220	4.21	-0.82	-0.17	A	
118	MC	925	390	1.74	0.51	0.12	A		30	925	0.77	1.11	0.14	A		1076	220	1.27	-0.49	-0.07	A	
119	MC	925	390	1.85	0.50	0.14	A		30	925	0.25	-0.56	-0.08	A		1076	220	0.07	0.11	0.03	A	
120	MC	825	491	2.46	0.53	0.08	A		34	825	0.94	1.21	0.14	A		1127	158	0.05	-0.12	0.01	A	
121	MC	825	491	1.83	0.48	0.08	A		34	825	0.32	-0.65	-0.08	A		1127	158	0.06	-0.14	-0.01	A	
122	MC	825	491	1.00	-0.38	-0.02	A		34	825	0.03	-0.17	-0.05	A		1127	158	24.41	-2.15	-0.39	C<	
123	MC	825	491	0.01	-0.03	-0.01	A		34	825	0.10	0.45	0.03	A		1127	158	0.34	-0.36	-0.05	A	
124	MC	825	491	0.64	-0.27	-0.03	A		34	825	0.43	0.56	0.12	A		1127	158	1.12	-0.47	-0.08	A	
125	MC	825	491	0.10	-0.10	-0.01	A		34	825	0.12	-0.30	-0.06	A		1127	158	0.46	0.29	0.04	A	
126	MC	825	491	0.10	0.11	0.07	A		34	825	0.17	-0.36	-0.10	A		1127	158	2.13	-0.68	-0.07	A	
127	MC	825	491	0.39	-0.20	-0.01	A		34	825	0.45	-0.59	-0.13	A		1127	158	1.59	-0.56	-0.11	A	
128	MC	825	491	1.52	0.57	0.08	A		34	825	0.01	0.24	0.00	A		1127	158	1.32	-1.05	-0.11	A	
129	MC	825	491	0.03	-0.07	0.01	A		34	825	4.18	5.58	0.25	A		1127	158	8.19	1.68	0.29	C>	
130	MC	825	491	10.50	-1.15	-0.20	B<		34	825	0.81	1.01	0.14	A		1127	158	1.68	0.70	0.14	A	
131	MC	825	491	18.58	-1.57	-0.18	C<		34	825	0.08	0.25	0.04	A		1127	158	6.21	-1.22	-0.14	A	
132	MC	825	491	4.62	-0.68	-0.07	A		34	825	2.33	1.32	0.28	A		1127	158	1.92	-0.64	-0.04	A	
133	MC	825	491	0.00	0.01	0.07	A		34	825	0.61	-0.67	-0.14	A		1127	158	1.28	-0.55	-0.04	A	
134	MC	825	491	9.44	1.26	0.15	B>		34	825	0.01	0.21	0.02	A		1127	158	8.98	1.92	0.29	C>	
135	MC	825	491	8.87	-1.08	-0.13	B<		34	825	0.49	-0.86	-0.13	A		1127	158	6.57	-1.21	-0.13	A	
136	MC	825	491	4.33	-0.69	-0.11	A		34	825	0.58	-0.72	-0.12	A		1127	158	3.77	-1.03	-0.10	A	
137	MC	825	491	0.44	-0.21	-0.04	A		34	825	0.00	-0.01	-0.01	A		1127	158	1.09	-0.47	0.00	A	
138	MC	784	350	14.06	-1.76	-0.10	C<		23	784	7.68	2.90	0.61	C>		927	201	1.09	-0.48	-0.07	A	
139	MC	784	350	5.16	-0.90	-0.14	A		23	784	0.05	0.26	0.05	A		927	201	3.78	-0.78	-0.13	A	
140	MC	784	350	0.11	-0.14	-0.05	A		23	784	0.32	0.62	0.11	A		927	201	4.64	-0.95	-0.19	A	
141	MC	784	350	1.48	-0.60	-0.09	A		23	784	0.83	1.83	0.15	A		927	201	6.85	-1.51	-0.20	C<	
142	MC	784	350	1.53	-0.49	-0.07	A		23	784	0.22	0.46	0.10	A		927	201	1.85	-0.57	-0.03	A	
143	MC	784	350	8.48	-1.12	-0.14	B<		23	784	0.39	-0.70	-0.14	A		927	201	2.60	-0.68	-0.02	A	
144	MC	784	350	0.02	-0.06	0.01	A		23	784	2.04	4.00	0.24	A		927	201	0.00	-0.03	-0.02	A	
145	MC	784	350	0.33	0.33	0.07	A		23	784	1.88		0.20			927	201	0.01	0.05	0.00	A	
146	MC	784	350	3.57	-1.13	-0.15	A		23	784	0.09	0.52	0.05	A		927	201	0.55	-0.45	-0.02	A	
147	MC	784	350	0.06	0.12	0.03	A		23	784	2.80		0.24			927	201	0.80	-0.51	-0.06	A	
148	MC	784	350	0.02	-0.07	-0.07	A		23	784	2.14	-3.28	-0.31	A		927	201	0.17	-0.21	-0.03	A	
149	MC	784	350	0.00	-0.01	-0.03	A		23	784	1.71	1.86	0.24	A		927	201	1.34	-0.52	-0.08	A	
150	MC	784	350	32.58	-2.07	-0.28	C<		23	784	1.05	1.04	0.23	A		927	201	3.97	-0.85	-0.13	A	
151	MC	784	350	0.15	-0.16	0.08	A		23	784	0.00	-0.01	0.00	A		927	201	1.48	0.55	0.09	A	

**Table F.57: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Writing on Stage V**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FEP Reference Group: ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
152	MC	784	350	2.58	0.74	0.17	A	23	784	1.09	2.39	0.16	A	927	201	0.00	0.02	0.01	A
153	MC	784	350	4.13	0.77	0.23	A	23	784	0.12	-0.36	-0.07	A	927	201	0.50	-0.28	0.03	A
154	MC	784	350	3.93	-0.74	-0.05	A	23	784	5.12	2.78	0.48	A	927	201	6.78	-1.12	-0.20	B<
155	MC	784	350	12.95	-1.50	-0.25	C<	23	784	2.06	1.69	0.29	A	927	201	4.50	-0.97	-0.15	A
156	MC	779	392	4.65	-0.73	-0.09	A	30	779	0.47	-0.62	-0.13	A	825	334	0.11	-0.10	-0.03	A
157	MC	779	392	8.81	-1.02	-0.19	B<	30	779	0.02	-0.12	-0.03	A	825	334	8.73	-0.98	-0.19	A
158	MC	779	392	0.16	-0.18	-0.06	A	30	779	0.26	-0.67	-0.08	A	825	334	0.26	0.21	0.04	A
159	MC	779	392	0.21	0.19	-0.02	A	30	779	0.06	0.24	0.05	A	825	334	3.59	-0.70	-0.14	A
160	MC	779	392	0.12	0.15	0.01	A	30	779	0.32	0.88	0.08	A	825	334	2.66	0.65	0.10	A
161	MC	779	392	3.12	-0.72	-0.11	A	30	779	3.72	3.31	0.30	A	825	334	0.38	-0.24	-0.03	A
162	MC	779	392	0.85	-0.34	0.00	A	30	779	0.12	0.43	0.06	A	825	334	3.18	0.63	0.11	A
163	MC	779	392	17.66	-1.49	-0.17	B<	30	779	0.12	0.36	0.07	A	825	334	1.12	-0.37	-0.05	A
164	MC	779	392	0.43	-0.27	0.02	A	30	779	0.02	0.22	0.03	A	825	334	0.82	0.36	0.05	A
165	MC	779	392	1.73	-0.49	-0.05	A	30	779	1.02	1.09	0.18	A	825	334	3.78	0.71	0.11	A
166	MC	779	392	4.02	-0.81	-0.15	A	30	779	1.36	1.47	0.18	A	825	334	0.75	-0.33	-0.04	A
167	MC	779	392	34.68	-2.09	-0.31	C<	30	779	1.86	1.27	0.29	A	825	334	4.50	-0.76	-0.13	A
168	MC	779	392	0.68	0.28	0.03	A	30	779	2.06	-1.31	-0.26	A	825	334	1.47	-0.38	-0.07	A
169	MC	779	392	10.06	-1.15	-0.21	B<	30	779	2.93	-1.81	-0.35	A	825	334	5.00	-0.82	-0.13	A
170	MC	779	392	0.13	0.13	0.02	A	30	779	0.18	-0.57	-0.05	A	825	334	3.21	-0.67	-0.10	A
171	MC	779	392	0.69	0.35	0.09	A	30	779	1.36	-1.33	-0.16	A	825	334	0.01	-0.04	-0.02	A
172	MC	779	392	0.14	-0.16	-0.03	A	30	779	0.01	0.11	0.01	A	825	334	4.64	-0.86	-0.12	A
173	MC	779	392	2.94	-0.72	-0.06	A	30	779	0.00	-0.01	0.01	A	825	334	4.25	-0.78	-0.14	A
174	ER	3313	1623	133.06		0.13	A	117	3313	8.28		0.12	A	3955	913	27.29		0.07	A
175	ER	925	390	57.60		0.24	B>	30	925	4.17		-0.21	A	1076	220	11.02		-0.01	A
176	ER	925	390	41.05		0.23	B>	30	925	1.44		0.08	A	1076	220	16.09		0.11	A
177	ER	825	491	39.54		0.20	B>	34	825	16.53		0.42	C>	1127	158	11.04		-0.03	A
178	ER	825	491	52.80		0.17	B>	34	825	11.74		0.33	A	1127	158	9.34		-0.03	A
179	ER	784	350	18.23		0.01	A	23	784	2.10		0.17	A	927	201	3.94		-0.01	A
180	ER	784	350	39.01		0.05	A	23	784	0.43		-0.07	A	927	201	14.68		0.01	A
181	ER	779	392	59.26		0.14	A	30	779	2.86		0.04	A	825	334	2.75		0.02	A
182	ER	779	392	41.13		0.15	A	30	779	2.91		0.08	A	825	334	7.08		0.07	A

Note: MC=Multiple-choice Item, ER=Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.58: DIF Statistics based on ELL Students for Items in Listening on Stage V**

Item	Item Type	Focal Group: Female Reference Group: Male							Focal Group: Hispanic Reference Group: Non-Hispanic							Focal Group: American Indian Reference Group: Non-American Indian							Focal Group: Special Education Reference Group: Non-Special Education						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
183	MC	1477	1835	3.06	0.82	0.06	A		2028	1285	1.88	0.62	0.04	A		157	3156	0.84	-0.96	-0.06	A		566	2747	10.32	-1.64	-0.15	C<	
184	MC	1477	1835	0.39	-0.11	-0.02	A		2028	1285	1.33	0.21	0.04	A		157	3156	0.01	-0.03	-0.01	A		566	2747	6.10	-0.61	-0.11	A	
185	MC	398	527	0.56	0.32	0.05	A		535	390	0.91	0.41	0.05	A		38	887	0.41	0.88	0.09	A		163	762	1.14	-0.57	-0.09	A	
186	MC	398	527	2.44	-0.52	-0.10	A		535	390	11.53	1.13	0.21	B>		38	887	0.05	-0.19	-0.03	A		163	762	6.93	1.16	0.23	B>	
187	MC	398	527	1.91	-0.48	-0.08	A		535	390	0.26	-0.18	-0.03	A		38	887	1.23	1.10	0.16	A		163	762	0.08	-0.13	-0.02	A	
188	MC	398	527	1.17	-0.35	-0.07	A		535	390	0.09	0.10	0.03	A		38	887	0.36	-0.44	-0.10	A		163	762	0.71	0.35	0.07	A	
189	MC	398	527	0.21	0.15	0.03	A		535	390	0.04	0.07	0.01	A		38	887	2.59	-1.35	-0.26	A		163	762	1.99	0.61	0.12	A	
190	MC	398	527	1.36	0.39	0.07	A		535	390	0.67	0.27	0.07	A		38	887	0.12	0.29	0.05	A		163	762	3.61	-0.81	-0.16	A	
191	MC	398	527	2.39	-0.58	-0.09	A		535	390	0.89	0.35	0.05	A		38	887	1.84	-1.16	-0.19	A		163	762	0.29	-0.25	-0.04	A	
192	MC	398	527	20.86	-1.53	-0.29	C<		535	390	2.18	0.49	0.09	A		38	887	1.56	0.99	0.20	A		163	762	12.34	1.48	0.29	B>	
193	MC	398	527	9.01	-0.97	-0.19	A		535	390	4.28	0.67	0.13	A		38	887	2.41	1.26	0.25	A		163	762	5.87	1.01	0.21	A	
194	MC	398	527	4.15	-0.69	-0.13	A		535	390	1.28	-0.39	-0.07	A		38	887	0.87	0.85	0.14	A		163	762	12.36	1.66	0.29	C>	
195	MC	398	527	0.01	0.03	0.00	A		535	390	3.18	0.57	0.11	A		38	887	2.63	-1.20	-0.27	A		163	762	2.91	-0.71	-0.15	A	
196	MC	367	458	0.76	0.37	0.06	A		525	300	0.00	-0.01	-0.01	A		39	786	0.56	-0.75	-0.11	A		100	725	3.39	-1.08	-0.19	A	
197	MC	367	458	0.09	-0.10	-0.02	A		525	300	0.04	0.07	0.02	A		39	786	1.11	-0.85	-0.17	A		100	725	0.32	-0.29	-0.06	A	
198	MC	367	458	0.03	-0.07	-0.01	A		525	300	0.02	-0.05	-0.01	A		39	786	0.47	0.66	0.10	A		100	725	1.30	0.67	0.12	A	
199	MC	367	458	0.03	0.10	0.01	A		525	300	0.09	0.20	0.01	A		39	786	0.02	0.26	0.02	A		100	725	4.32	2.66	0.21	A	
200	MC	367	458	0.42	-0.23	-0.04	A		525	300	3.14	0.66	0.10	A		39	786	0.40	-0.54	-0.09	A		100	725	0.29	0.28	0.06	A	
201	MC	367	458	0.02	-0.05	0.00	A		525	300	5.67	-0.93	-0.17	A		39	786	0.20	-0.41	-0.06	A		100	725	1.17	0.60	0.11	A	
202	MC	367	458	0.21	-0.18	-0.03	A		525	300	2.01	0.54	0.11	A		39	786	0.75	0.96	0.13	A		100	725	16.48	2.96	0.42	C>	
203	MC	367	458	0.88	-0.38	-0.06	A		525	300	0.81	-0.38	-0.08	A		39	786	1.15	-0.96	-0.15	A		100	725	5.89	1.53	0.24	A	
204	MC	367	458	1.82	0.60	0.09	A		525	300	10.21	1.44	0.17	B>		39	786	0.14	0.48	0.05	A		100	725	0.16	0.26	0.04	A	
205	MC	367	458	0.36	-0.21	-0.04	A		525	300	0.60	-0.29	-0.06	A		39	786	8.01	-2.30	-0.42	C<		100	725	2.51	0.92	0.16	A	
206	MC	367	458	0.44	0.24	0.04	A		525	300	1.64	-0.48	-0.08	A		39	786	0.16	0.31	0.06	A		100	725	0.02	0.07	0.01	A	
207	MC	377	407	0.17	0.15	0.02	A		467	317	0.14	0.14	0.03	A		42	742	6.58	2.44	0.38	A		154	630	0.41	0.30	0.05	A	
208	MC	377	407	1.64	0.52	0.08	A		467	317	0.35	0.24	0.04	A		42	742	0.55	-0.61	-0.11	A		154	630	0.00	0.00	0.00	A	
209	MC	377	407	0.61	0.30	0.06	A		467	317	0.54	0.29	0.07	A		42	742	0.99	0.89	0.15	A		154	630	1.09	-0.48	-0.09	A	
210	MC	377	407	2.25	0.80	0.09	A		467	317	1.52	-0.68	-0.09	A		42	742	0.04	0.24	0.03	A		154	630	0.66	0.53	0.07	A	
211	MC	377	407	3.93	-0.70	-0.14	A		467	317	3.08	0.64	0.10	A		42	742	2.21	1.13	0.23	A		154	630	7.07	1.17	0.23	B>	
212	MC	377	407	9.75	-1.22	-0.21	B<		467	317	0.71	0.33	0.06	A		42	742	6.26	2.73	0.38	A		154	630	14.38	2.07	0.34	C>	
213	MC	377	407	0.06	-0.08	-0.02	A		467	317	2.75	-0.58	-0.14	A		42	742	1.51	0.91	0.19	A		154	630	0.03	0.07	0.02	A	
214	MC	377	407	0.93	-0.35	-0.06	A		467	317	0.09	-0.11	-0.03	A		42	742	1.85	-1.18	-0.21	A		154	630	0.61	0.36	0.07	A	
215	MC	377	407	5.05	-0.82	-0.16	A		467	317	0.59	0.29	0.05	A		42	742	1.11	0.79	0.16	A		154	630	1.03	0.46	0.09	A	
216	MC	377	407	3.92	0.85	0.14	A		467	317	2.67	-0.72	-0.10	A		42	742	3.46	-1.72	-0.27	A		154	630	3.96	-1.03	-0.18	A	
217	MC	377	407	0.13	0.12	0.03	A		467	317	0.60	-0.27	-0.05	A		42	742	0.23	-0.37	-0.08	A		154	630	0.45	-0.29	-0.06	A	
218	MC	335	443	0.34	0.54	0.04	A		501	278	2.09	1.27	0.10	A		38	741	1.97		0.24			149	630	1.70	-1.26	-0.13	A	
219	MC	335	443	6.78	-0.99	-0.19	A		501	278	0.31	0.22	0.03	A		38	741	0.01	-0.10	-0.02	A		149	630	4.65	1.07	0.21	A	
220	MC	335	443	0.73	-0.30	-0.08	A		501	278	0.55	0.27	0.06	A		38	741	0.09	0.25	0.05	A		149	630	6.49	1.14	0.24	A	
221	MC	335	443	3.79	1.11	0.10	A		501	278	2.50	0.89	0.10	A		38	741	1.69	1.93	0.20	A		149	630	0.67	0.56	0.08	A	
222	MC	335	443	1.06	-0.39	-0.08	A		501	278	0.41	-0.25	-0.05	A		38	741	0.34	0.49	0.09	A		149	630	0.45	0.32	0.05	A	
223	MC	335	443	0.02	0.07	0.00	A		501	278	0.22	0.23	0.03	A		38	741	0.99	1.08	0.16	A		149	630	1.22	0.65	0.11	A	
224	MC	335	443	2.69	-0.61	-0.11	A		501	278	0.00	-0.03	-0.01	A		38	741	1.10	-0.89	-0.17	A		149	630	0.03	-0.08	-0.01	A	
225	MC	335	443	0.12	0.16	0.00	A		501	278	2.09	-0.66	-0.11	A		38	741	1.51	1.31	0.21	A		149	630	0.37	0.34	0.06	A	
226	MC	335	443	0.03	-0.09	-0.01	A		501	278	5.53	-1.18	-0.16	A		38	741	4.39	2.82	0.34	A		149	630	4.57	1.29	0.19	A	
227	MC	335	443	0.37	-0.22	-0.04	A		501	278	0.90	-0.35	-0.07	A		38	741	0.03	0.14	0.02	A		149	630	1.01	-0.47	-0.09	A	
228	MC	335	443	2.17	0.52	0.12	A		501	278	1.73	-0.47	-0.10	A		38	741	0.77	-0.74	-0.15	A		149	630	8.63	-1.39	-0.27	B<	

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.59: DIF Statistics based on ELL Students' Home Languages for Items in Listening on Stage V**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
183	MC	1807	1506	0.14	-0.17	-0.01	A	1807	662	0.32	-0.35	-0.02	A	844	662	0.15	-0.27	-0.02	A	50	662	0.52	-1.36	-0.09	A
184	MC	1807	1506	7.81	0.50	0.10	A	1807	662	6.80	0.62	0.11	A	844	662	0.55	0.20	0.04	A	50	662	0.43	0.51	0.09	A
185	MC	463	462	0.23	-0.20	-0.03	A	463	172	2.42	-0.99	-0.12	A	290	172	2.58	-1.11	-0.14	A	7	172	0.18	-1.69	-0.13	A
186	MC	463	462	8.77	0.97	0.18	A	463	172	1.32	0.51	0.10	A	290	172	2.29	-0.73	-0.15	A	7	172	0.05	-0.38	-0.08	A
187	MC	463	462	0.00	-0.02	0.00	A	463	172	0.01	0.04	0.00	A	290	172	0.04	0.10	0.01	A	7	172	0.00	0.16	0.03	A
188	MC	463	462	0.15	0.12	0.03	A	463	172	0.01	0.04	0.00	A	290	172	0.46	-0.31	-0.05	A	7	172	2.46	-2.65	-0.60	A
189	MC	463	462	0.07	-0.09	-0.02	A	463	172	0.81	-0.40	-0.07	A	290	172	1.07	-0.50	-0.10	A	7	172	0.00	0.06	0.01	A
190	MC	463	462	0.91	0.31	0.07	A	463	172	0.20	0.20	0.04	A	290	172	0.34	-0.28	-0.04	A	7	172	1.42	2.59	0.43	A
191	MC	463	462	0.26	0.19	0.03	A	463	172	0.15	-0.20	-0.04	A	290	172	1.65	-0.69	-0.13	A	7	172	0.33	1.24	0.19	A
192	MC	463	462	1.65	0.42	0.08	A	463	172	0.01	-0.04	-0.01	A	290	172	2.84	-0.81	-0.17	A	7	172	0.05	0.39	0.08	A
193	MC	463	462	5.33	0.74	0.14	A	463	172	0.00	0.00	-0.01	A	290	172	7.18	-1.25	-0.26	B<	7	172	0.00	0.12	0.03	A
194	MC	463	462	3.79	-0.66	-0.12	A	463	172	1.54	-0.56	-0.12	A	290	172	0.05	0.12	-0.02	A	7	172	3.43		0.66	
195	MC	463	462	2.85	0.54	0.11	A	463	172	1.86	0.58	0.11	A	290	172	0.11	0.15	0.00	A	7	172	0.24	-0.86	-0.19	A
196	MC	469	356	0.22	0.20	0.03	A	469	129	0.40	0.37	0.06	A	227	129	0.27	0.35	0.05	A	16	129	0.00	0.04	0.02	A
197	MC	469	356	0.00	0.00	0.00	A	469	129	0.06	0.12	0.01	A	227	129	0.06	0.13	0.00	A	16	129	1.31	-1.49	-0.30	A
198	MC	469	356	0.76	-0.34	-0.06	A	469	129	0.06	0.14	0.03	A	227	129	2.41	0.97	0.19	A	16	129	2.76	3.61	0.36	A
199	MC	469	356	0.37	-0.38	-0.04	A	469	129	0.27	-0.51	-0.05	A	227	129	0.05	-0.24	-0.02	A	16	129	0.57		0.15	
200	MC	469	356	0.68	0.30	0.05	A	469	129	0.17	0.21	0.03	A	227	129	0.01	-0.05	-0.04	A	16	129	0.12	-0.53	-0.08	A
201	MC	469	356	2.63	-0.60	-0.11	A	469	129	0.59	-0.39	-0.08	A	227	129	0.44	0.38	0.03	A	16	129	0.35	-0.87	-0.15	A
202	MC	469	356	0.05	0.09	0.02	A	469	129	1.51	-0.73	-0.10	A	227	129	3.23	-1.12	-0.17	A	16	129	0.10	-0.50	-0.09	A
203	MC	469	356	1.54	-0.50	-0.09	A	469	129	1.11	-0.62	-0.10	A	227	129	0.02	-0.09	-0.02	A	16	129	4.17	-3.33	-0.47	A
204	MC	469	356	12.84	1.58	0.22	C>	469	129	7.35	1.69	0.27	C>	227	129	0.28	0.37	0.06	A	16	129	1.07	2.40	0.21	A
205	MC	469	356	6.98	-0.98	-0.18	A	469	129	5.70	-1.29	-0.23	A	227	129	0.40	-0.38	-0.08	A	16	129	2.02	-2.04	-0.34	A
206	MC	469	356	2.92	-0.62	-0.11	A	469	129	0.39	-0.32	-0.07	A	227	129	0.58	0.43	0.08	A	16	129	0.10	0.36	0.06	A
207	MC	384	400	0.04	0.07	0.02	A	384	232	0.75	0.37	0.08	A	168	232	2.04	0.73	0.14	A	16	232	3.04	2.84	0.43	A
208	MC	384	400	0.73	-0.35	-0.05	A	384	232	1.48	-0.57	-0.09	A	168	232	1.31	-0.65	-0.11	A	16	232	0.13	-0.49	-0.09	A
209	MC	384	400	2.52	0.62	0.12	A	384	232	2.85	0.74	0.16	A	168	232	0.39	0.33	0.06	A	16	232	1.75	2.00	0.34	A
210	MC	384	400	1.92	-0.74	-0.09	A	384	232	2.05	-0.89	-0.10	A	168	232	0.26	-0.36	-0.03	A	16	232	2.10	-2.16	-0.34	A
211	MC	384	400	3.48	0.66	0.11	A	384	232	5.35	0.97	0.15	A	168	232	1.92	0.72	0.13	A	16	232	0.58	0.97	0.18	A
212	MC	384	400	0.26	-0.20	-0.03	A	384	232	0.47	-0.31	-0.05	A	168	232	0.15	-0.21	-0.04	A	16	232	6.96		0.67	
213	MC	384	400	0.66	-0.28	-0.08	A	384	232	0.27	-0.21	-0.08	A	168	232	0.11	0.17	0.03	A	16	232	4.75	2.77	0.55	A
214	MC	384	400	1.29	-0.41	-0.10	A	384	232	0.56	-0.32	-0.09	A	168	232	0.07	0.14	0.03	A	16	232	2.64	-2.65	-0.40	A
215	MC	384	400	2.05	-0.52	-0.11	A	384	232	0.77	-0.37	-0.09	A	168	232	0.52	0.37	0.07	A	16	232	0.00	-0.08	-0.02	A
216	MC	384	400	0.54	-0.32	-0.04	A	384	232	0.07	0.12	0.03	A	168	232	3.31	1.10	0.18	A	16	232	2.14	-2.03	-0.36	A
217	MC	384	400	0.23	0.17	0.04	A	384	232	0.31	0.22	0.05	A	168	232	0.06	0.12	0.02	A	16	232	0.84	-1.21	-0.23	A
218	MC	491	288	0.59	0.68	0.06	A	491	129	1.18	1.19	0.12	A	159	129	0.61	1.10	0.09	A	11	129	0.61		0.23	
219	MC	491	288	0.22	-0.18	-0.03	A	491	129	2.52	-0.87	-0.14	A	159	129	3.51	-1.20	-0.21	A	11	129	0.02	-0.24	-0.03	A
220	MC	491	288	0.04	-0.07	-0.01	A	491	129	1.15	-0.51	-0.10	A	159	129	1.65	-0.73	-0.15	A	11	129	0.01	-0.15	-0.04	A
221	MC	491	288	0.03	-0.11	-0.02	A	491	129	0.07	0.20	0.02	A	159	129	0.25	0.45	0.06	A	11	129	0.19	1.02	0.11	A
222	MC	491	288	0.01	0.03	0.01	A	491	129	0.03	-0.08	-0.01	A	159	129	0.10	-0.20	-0.03	A	11	129	0.11	-0.51	-0.12	A
223	MC	491	288	3.52	-0.95	-0.13	A	491	129	0.51	-0.47	-0.07	A	159	129	1.20	0.93	0.12	A	11	129	0.57	1.83	0.23	A
224	MC	491	288	0.85	0.35	0.07	A	491	129	0.33	-0.30	-0.03	A	159	129	3.60	-1.17	-0.21	A	11	129	1.71	-2.21	-0.40	A
225	MC	491	288	3.09	-0.81	-0.13	A	491	129	4.38	-1.40	-0.21	A	159	129	1.66	-1.01	-0.15	A	11	129	1.91		0.47	
226	MC	491	288	10.56	-1.67	-0.22	C<	491	129	8.36	-2.20	-0.25	C<	159	129	0.83	-0.83	-0.10	A	11	129	0.25	1.57	0.16	A
227	MC	491	288	2.89	-0.62	-0.13	A	491	129	1.44	-0.58	-0.11	A	159	129	0.01	0.06	0.01	A	11	129	0.07	-0.41	-0.10	A
228	MC	491	288	0.01	-0.03	-0.01	A	491	129	0.08	0.13	0.03	A	159	129	0.28	0.30	0.06	A	11	129	0.51	-1.18	-0.23	A

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.60: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Listening on Stage V**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL							Focal Group: FEP Reference Group: ELL							Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)						
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	
183	MC	3313	1623	30.39	1.93	0.19	C>		117	3313	0.02	0.39	0.01	A		3955	913	6.41	1.07	0.11	A	
184	MC	3313	1623	23.27	-0.84	-0.07	A		117	3313	5.91	1.10	0.23	A		3955	913	1.15	-0.22	-0.01	A	
185	MC	925	390	0.36	0.25	0.11	A		30	925	3.37		0.25			1076	220	0.29	-0.28	-0.03	A	
186	MC	925	390	0.49	0.26	0.08	A		30	925	0.63	0.89	0.14	A		1076	220	1.34	-0.48	-0.07	A	
187	MC	925	390	0.74	-0.34	0.00	A		30	925	0.00	0.02	0.00	A		1076	220	0.00	0.00	-0.01	A	
188	MC	925	390	1.71	-0.46	-0.05	A		30	925	0.21	-0.42	-0.08	A		1076	220	0.06	-0.10	-0.02	A	
189	MC	925	390	0.53	-0.26	-0.04	A		30	925	0.18	0.37	0.07	A		1076	220	0.66	-0.32	-0.05	A	
190	MC	925	390	0.00	0.01	0.03	A		30	925	1.47	-1.15	-0.20	A		1076	220	2.28	-0.63	-0.07	A	
191	MC	925	390	0.43	0.28	0.00	A		30	925	0.00	-0.09	0.00	A		1076	220	2.73	0.78	0.15	A	
192	MC	925	390	8.78	-1.06	-0.07	B<		30	925	0.01	0.09	0.02	A		1076	220	1.80	-0.56	-0.05	A	
193	MC	925	390	13.63	-1.25	-0.10	B<		30	925	2.11	1.47	0.26	A		1076	220	3.04	-0.68	-0.12	A	
194	MC	925	390	0.01	0.03	0.10	A		30	925	0.61	0.85	0.13	A		1076	220	0.04	-0.09	-0.01	A	
195	MC	925	390	0.02	-0.05	0.08	A		30	925	0.25	0.48	0.10	A		1076	220	2.39	-0.59	-0.11	A	
196	MC	825	491	5.66	0.87	0.16	A		34	825	0.22	-0.69	-0.04	A		1127	158	2.17	-0.98	-0.14	A	
197	MC	825	491	0.69	-0.26	-0.04	A		34	825	0.02	-0.12	-0.02	A		1127	158	0.91	-0.44	-0.07	A	
198	MC	825	491	5.10	0.76	0.16	A		34	825	1.43	-1.22	-0.16	A		1127	158	0.94	-0.51	-0.08	A	
199	MC	825	491	5.61	1.23	0.11	A		34	825	1.01		0.10			1127	158	0.06	0.22	0.05	A	
200	MC	825	491	2.65	0.54	0.13	A		34	825	0.06	0.26	0.05	A		1127	158	0.27	-0.27	-0.03	A	
201	MC	825	491	0.20	-0.15	0.00	A		34	825	0.00	0.05	0.01	A		1127	158	0.86	-0.52	-0.03	A	
202	MC	825	491	6.56	0.89	0.16	A		34	825	0.01	0.14	0.01	A		1127	158	0.20	-0.25	-0.05	A	
203	MC	825	491	3.05	0.61	0.15	A		34	825	0.90	1.32	0.13	A		1127	158	7.67	-1.82	-0.26	C<	
204	MC	825	491	0.12	-0.13	0.01	A		34	825	0.45	-0.84	-0.07	A		1127	158	0.74	0.55	0.09	A	
205	MC	825	491	0.63	-0.26	-0.01	A		34	825	0.31	-0.54	-0.08	A		1127	158	0.64	-0.44	0.00	A	
206	MC	825	491	5.59	-0.75	-0.07	A		34	825	0.17	0.35	0.08	A		1127	158	5.91	-1.07	-0.20	A	
207	MC	784	350	0.74	-0.36	-0.04	A		23	784	0.29	0.66	0.10	A		927	201	0.08	0.13	0.00	A	
208	MC	784	350	0.17	-0.20	-0.04	A		23	784	1.04	1.78	0.18	A		927	201	0.15	0.19	0.01	A	
209	MC	784	350	0.85	-0.41	-0.07	A		23	784	1.01	-1.12	-0.19	A		927	201	4.37	-1.02	-0.16	A	
210	MC	784	350	0.78	0.48	0.12	A		23	784	1.65	-1.80	-0.19	A		927	201	0.84	-0.62	-0.07	A	
211	MC	784	350	18.60	-1.64	-0.21	C<		23	784	0.07	-0.27	-0.06	A		927	201	0.68	-0.37	-0.03	A	
212	MC	784	350	0.72	0.37	0.12	A		23	784	0.43	0.94	0.12	A		927	201	1.65	0.61	0.13	A	
213	MC	784	350	1.39	-0.43	0.05	A		23	784	0.12	0.35	0.07	A		927	201	0.62	0.32	0.10	A	
214	MC	784	350	8.68	-1.09	-0.08	B<		23	784	0.05	-0.23	-0.05	A		927	201	8.31	-1.14	-0.16	B<	
215	MC	784	350	3.79	-0.73	-0.05	A		23	784	4.65	2.19	0.47	A		927	201	3.82	-0.79	-0.08	A	
216	MC	784	350	9.94	1.57	0.26	C>		23	784	0.03	-0.24	-0.03	A		927	201	0.09	0.17	0.01	A	
217	MC	784	350	0.24	-0.19	-0.01	A		23	784	0.04	-0.19	-0.04	A		927	201	0.87	-0.38	-0.07	A	
218	MC	779	392	2.16	1.10	0.11	A		30	779	0.20		0.03			825	334	0.32	0.43	0.04	A	
219	MC	779	392	5.12	-0.89	-0.12	A		30	779	0.16	0.42	0.05	A		825	334	0.05	-0.09	-0.01	A	
220	MC	779	392	6.26	-0.86	-0.07	A		30	779	0.09	0.27	0.06	A		825	334	7.55	-0.92	-0.18	A	
221	MC	779	392	2.17	0.80	0.09	A		30	779	0.84		0.08			825	334	1.64	0.66	0.07	A	
222	MC	779	392	2.39	-0.60	-0.08	A		30	779	5.07	2.71	0.37	A		825	334	3.20	0.66	0.11	A	
223	MC	779	392	4.38	0.97	0.13	A		30	779	0.96	2.32	0.13	A		825	334	0.02	-0.06	0.00	A	
224	MC	779	392	0.00	-0.01	0.07	A		30	779	0.99	1.17	0.16	A		825	334	0.19	-0.16	-0.02	A	
225	MC	779	392	0.92	-0.42	-0.05	A		30	779	0.34	0.86	0.10	A		825	334	0.65	-0.35	-0.06	A	
226	MC	779	392	0.49	0.33	0.06	A		30	779	0.00	-0.05	-0.01	A		825	334	0.00	0.02	0.00	A	
227	MC	779	392	2.83	-0.56	0.00	A		30	779	1.03	-0.94	-0.19	A		825	334	1.06	0.33	0.08	A	
228	MC	779	392	0.02	0.04	0.02	A		30	779	0.24	-0.45	-0.09	A		825	334	2.83	-0.52	-0.10	A	

Note: MC=Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.61: DIF Statistics based on ELL Students for Items in Speaking on Stage V**

Item	Item Type	Focal Group: Female Reference Group: Male						Focal Group: Hispanic Reference Group: Non-Hispanic						Focal Group: American Indian Reference Group: Non-American Indian						Focal Group: Special Education Reference Group: Non-Special Education					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
229	SA4	1477	1835	6.38		-0.04	A	2028	1285	13.88		0.08	A	157	3156	11.61		0.15	A	566	2747	210.94		0.50	C>
230	SA4	1477	1835	8.42		-0.06	A	2028	1285	7.90		-0.07	A	157	3156	6.52		0.12	A	566	2747	139.80		0.43	C>
231	SA4	398	527	5.19		-0.04	A	535	390	24.01		0.28	C>	38	887	4.22		0.20	A	163	762	32.59		0.40	C>
232	SA4	398	527	14.38		-0.11	A	535	390	23.20		0.18	B>	38	887	13.97		0.31	C>	163	762	26.19		0.32	C>
233	SA4	398	527	6.21		-0.13	A	535	390	7.60		0.06	A	38	887	15.61		-0.09	A	163	762	30.53		0.19	B>
234	SA4	398	527	2.66		0.00	A	535	390	7.38		0.04	A	38	887	4.67		-0.18	A	163	762	12.83		0.22	A
235	SA4	398	527	4.33		0.08	A	535	390	7.61		-0.09	A	38	887	1.63		-0.04	A	163	762	8.61		-0.17	A
236	SA4	398	527	9.51		0.05	A	535	390	1.64		-0.05	A	38	887	0.32		-0.03	A	163	762	15.08		0.09	A
237	SA4	367	458	11.90		-0.16	A	525	300	6.40		0.14	A	39	786	7.70		0.13	A	100	725	57.98		0.61	C>
238	SA4	367	458	4.34		-0.09	A	525	300	3.43		0.06	A	39	786	2.68		0.06	A	100	725	15.78		0.25	C>
239	SA4	367	458	15.71		-0.17	A	525	300	4.94		0.02	A	39	786	7.51		0.11	A	100	725	18.03		0.00	A
240	SA4	367	458	4.25		-0.12	A	525	300	3.71		-0.09	A	39	786	2.67		-0.09	A	100	725	19.66		0.25	C>
241	SA4	367	458	10.52		-0.15	A	525	300	49.04		0.40	C>	39	786	1.99		-0.05	A	100	725	15.92		0.29	C>
242	SA4	367	458	3.35		-0.07	A	525	300	7.14		0.04	A	39	786	2.88		-0.01	A	100	725	3.76		0.08	A
243	SA4	377	407	2.56		-0.07	A	467	317	15.95		0.23	B>	42	742	6.58		0.04	A	154	630	49.02		0.46	C>
244	SA4	377	407	9.77		-0.12	A	467	317	23.06		0.27	C>	42	742	7.28		0.32	A	154	630	76.25		0.63	C>
245	SA4	377	407	3.08		0.06	A	467	317	4.80		-0.03	A	42	742	1.61		-0.01	A	154	630	5.32		0.02	A
246	SA4	377	407	4.73		-0.07	A	467	317	7.08		0.15	A	42	742	1.58		0.05	A	154	630	15.18		0.22	B>
247	SA4	377	407	6.52		-0.14	A	467	317	3.55		-0.01	A	42	742	4.12		0.03	A	154	630	26.79		0.31	C>
248	SA4	377	407	5.51		-0.09	A	467	317	6.18		0.17	A	42	742	2.82		-0.17	A	154	630	26.48		0.36	C>
249	SA4	377	407	5.20		0.06	A	467	317	18.05		0.08	A	42	742	4.86		-0.20	A	154	630	34.76		0.04	A
250	SA4	335	443	3.09		0.06	A	501	278	11.08		0.20	A	38	741	4.47		-0.01	A	149	630	35.65		0.46	C>
251	SA4	335	443	12.91		-0.15	A	501	278	15.90		0.15	A	38	741	12.89		0.43	A	149	630	80.28		0.65	C>
252	SA4	335	443	7.63		-0.12	A	501	278	4.53		-0.08	A	38	741	6.70		0.30	A	149	630	10.80		0.25	A
253	SA4	335	443	1.96		-0.09	A	501	278	2.97		-0.01	A	38	741	13.32		0.16	A	149	630	10.43		0.02	A
254	SA4	335	443	5.51		-0.11	A	501	278	6.58		0.13	A	38	741	6.30		-0.12	A	149	630	17.84		0.25	C>
255	SA4	335	443	2.62		0.02	A	501	278	4.28		0.02	A	38	741	14.44		-0.11	A	149	630	10.30		0.06	A
256	SA4	1477	1835	48.59		-0.20	B<	2028	1285	16.62		0.08	A	157	3156	26.67		0.19	B>	566	2747	189.92		0.50	C>
257	SA4	398	527	8.38		-0.10	A	535	390	16.75		0.15	A	38	887	7.37		0.21	A	163	762	86.25		0.57	C>
258	SA4	367	458	46.13		-0.35	C<	525	300	4.80		-0.07	A	39	786	8.36		0.31	A	100	725	17.05		0.34	C>
259	SA4	335	443	23.45		-0.29	C<	501	278	1.85		0.02	A	38	741	4.75		0.30	A	149	630	12.35		0.22	A

Note: SA4=4 Point Short Answer, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF),

SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.62: DIF Statistics based on ELL Students' Home Languages for Items in Speaking on Stage V**

Item	Item Type	Focal Group: Spanish Reference Group: Non-Spanish						Focal Group: Spanish Reference Group: English						Focal Group: Non-Spanish Reference Group: English						Focal Group: American Indian Reference Group: English					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
229	SA4	1807	1506	3.64		-0.03	A	1807	662	10.47		-0.09	A	844	662	20.91		-0.11	A	50	662	4.98		0.25	A
230	SA4	1807	1506	11.65		-0.09	A	1807	662	3.67		-0.07	A	844	662	5.67		0.04	A	50	662	2.55		0.08	A
231	SA4	463	462	19.99		0.24	B>	463	172	5.03		0.06	A	290	172	26.38		-0.29	C<	7	172	1.84		-0.03	A
232	SA4	463	462	15.23		0.13	A	463	172	1.45		-0.04	A	290	172	19.30		-0.26	C<	7	172	3.38		0.39	A
233	SA4	463	462	9.22		-0.04	A	463	172	10.02		-0.14	A	290	172	13.51		-0.17	A	7	172	2.24		0.13	A
234	SA4	463	462	1.92		0.01	A	463	172	0.95		-0.03	A	290	172	3.15		-0.06	A	7	172	11.80		-0.42	A
235	SA4	463	462	5.60		-0.07	A	463	172	1.45		0.04	A	290	172	8.85		0.20	A	7	172	2.58		-0.31	A
236	SA4	463	462	4.02		-0.05	A	463	172	3.13		0.01	A	290	172	5.29		0.11	A	7	172	2.23		-0.02	A
237	SA4	469	356	6.50		0.08	A	469	129	2.42		-0.07	A	227	129	13.91		-0.24	B<	16	129	2.40		0.34	A
238	SA4	469	356	5.54		0.03	A	469	129	3.09		-0.01	A	227	129	2.22		-0.08	A	16	129	1.50		0.13	A
239	SA4	469	356	11.29		0.07	A	469	129	10.01		0.06	A	227	129	6.16		0.01	A	16	129	1.94		-0.28	A
240	SA4	469	356	4.61		-0.10	A	469	129	4.72		-0.10	A	227	129	4.93		-0.02	A	16	129	2.65		-0.05	A
241	SA4	469	356	37.76		0.34	C>	469	129	5.02		0.13	A	227	129	16.73		-0.35	C<	16	129	9.45		-0.62	A
242	SA4	469	356	15.79		0.08	A	469	129	7.52		0.13	A	227	129	4.43		0.07	A	16	129	7.38		-0.42	A
243	SA4	384	400	3.77		0.07	A	384	232	2.12		-0.03	A	168	232	9.61		-0.25	A	16	232	9.39		0.46	A
244	SA4	384	400	6.16		0.13	A	384	232	1.84		0.08	A	168	232	4.05		-0.13	A	16	232	4.21		0.38	A
245	SA4	384	400	4.07		-0.02	A	384	232	1.44		-0.02	A	168	232	1.61		-0.02	A	16	232	2.56		-0.20	A
246	SA4	384	400	2.75		0.09	A	384	232	4.24		0.11	A	168	232	2.09		0.09	A	16	232	5.21		0.41	A
247	SA4	384	400	9.08		-0.06	A	384	232	3.91		-0.03	A	168	232	5.91		0.10	A	16	232	1.82		0.24	A
248	SA4	384	400	7.82		0.14	A	384	232	9.96		0.08	A	168	232	11.52		-0.14	A	16	232	9.90		-0.12	A
249	SA4	384	400	4.14		0.06	A	384	232	1.73		0.02	A	168	232	5.95		-0.07	A	16	232	0.44		-0.15	A
250	SA4	491	288	9.85		-0.17	A	491	129	9.54		-0.28	A	159	129	12.66		-0.26	A	11	129	0.56		-0.05	A
251	SA4	491	288	5.40		-0.03	A	491	129	19.25		-0.24	B<	159	129	24.36		-0.39	C<	11	129	1.35		0.30	A
252	SA4	491	288	5.85		-0.14	A	491	129	10.91		-0.18	A	159	129	13.81		-0.10	A	11	129	8.81		0.02	A
253	SA4	491	288	5.51		-0.04	A	491	129	3.18		0.10	A	159	129	8.62		0.24	A	11	129	5.55		0.39	A
254	SA4	491	288	3.49		-0.02	A	491	129	5.48		-0.02	A	159	129	2.48		-0.01	A	11	129	6.12		-0.05	A
255	SA4	491	288	5.26		-0.01	A	491	129	5.42		0.05	A	159	129	7.67		0.09	A	11	129	9.84		0.07	A
256	SA4	1807	1506	8.27		0.04	A	1807	662	13.70		-0.04	A	844	662	32.56		-0.15	A	50	662	1.19		0.12	A
257	SA4	463	462	6.94		0.06	A	463	172	9.87		-0.19	A	290	172	46.24		-0.42	C<	7	172	6.81		-0.38	A
258	SA4	469	356	16.82		-0.12	A	469	129	11.83		-0.06	A	227	129	1.87		0.11	A	16	129	5.14		0.28	A
259	SA4	491	288	2.55		-0.10	A	491	129	6.74		-0.19	A	159	129	12.56		-0.16	A	11	129	2.02		0.16	A

Note: SA4=4 Point Short Answer, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.63: DIF Statistics based on ELL, Non-ELL, and FEP Students for Items in Speaking on Stage V**

Item	Item Type	Focal Group: ELL Reference Group: Non-ELL						Focal Group: FEP Reference Group: ELL						Focal Group: FRL (ELL and Non-ELL) Reference Group: Non-FRL (ELL and Non-ELL)					
		NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag	NF	NR	MH $\chi^2$	$\Delta$ MH	SMD	Flag
229	SA4	3313	1623	157.04		0.11	A	117	3313	12.71		0.23	A	3955	913	9.25		0.06	A
230	SA4	3313	1623	45.37		0.09	A	117	3313	2.86		0.13	A	3955	913	8.45		0.10	A
231	SA4	925	390	33.43		-0.09	A	30	925	0.85		0.08	A	1076	220	7.23		0.02	A
232	SA4	925	390	31.56		-0.06	A	30	925	2.72		0.19	A	1076	220	0.52		-0.01	A
233	SA4	925	390	29.11		0.00	A	30	925	7.97		0.39	A	1076	220	4.63		0.04	A
234	SA4	925	390	59.31		0.19	B>	30	925	10.47		0.36	A	1076	220	5.86		0.09	A
235	SA4	925	390	57.03		0.21	B>	30	925	2.24		-0.03	A	1076	220	12.96		0.16	A
236	SA4	925	390	64.99		0.19	B>	30	925	4.73		-0.14	A	1076	220	1.90		0.06	A
237	SA4	825	491	27.06		0.04	A	34	825	5.40		0.19	A	1127	158	7.93		-0.01	A
238	SA4	825	491	32.72		0.06	A	34	825	2.39		0.09	A	1127	158	5.64		0.08	A
239	SA4	825	491	29.66		0.04	A	34	825	3.39		-0.11	A	1127	158	5.33		0.05	A
240	SA4	825	491	51.29		0.23	B>	34	825	9.20		0.27	A	1127	158	6.36		-0.07	A
241	SA4	825	491	25.62		0.06	A	34	825	9.27		0.10	A	1127	158	14.97		0.12	A
242	SA4	825	491	30.02		0.17	B>	34	825	5.31		0.10	A	1127	158	3.63		0.15	A
243	SA4	784	350	27.99		-0.08	A	23	784	0.51		0.11	A	927	201	7.18		0.02	A
244	SA4	784	350	26.38		-0.17	B<	23	784	0.85		0.02	A	927	201	2.91		-0.05	A
245	SA4	784	350	53.35		-0.19	B<	23	784	3.17		0.06	A	927	201	15.45		-0.09	A
246	SA4	784	350	16.61		-0.11	A	23	784	1.55		0.05	A	927	201	4.13		0.02	A
247	SA4	784	350	35.58		0.02	A	23	784	1.08		0.01	A	927	201	13.90		0.07	A
248	SA4	784	350	15.92		-0.13	A	23	784	3.74		0.07	A	927	201	3.24		0.01	A
249	SA4	784	350	27.05		0.07	A	23	784	5.76		-0.19	A	927	201	12.77		0.01	A
250	SA4	779	392	28.89		0.05	A	30	779	1.03		0.04	A	825	334	6.24		0.08	A
251	SA4	779	392	34.99		0.10	A	30	779	5.55		0.29	A	825	334	13.10		0.15	A
252	SA4	779	392	33.05		0.00	A	30	779	2.92		0.21	A	825	334	2.63		-0.04	A
253	SA4	779	392	45.12		0.24	B>	30	779	3.63		-0.32	A	825	334	2.36		0.06	A
254	SA4	779	392	39.44		0.16	A	30	779	5.89		0.16	A	825	334	20.61		0.16	A
255	SA4	779	392	36.23		0.14	A	30	779	14.34		-0.01	A	825	334	2.85		0.07	A
256	SA4	3313	1623	131.15		0.03	A	117	3313	2.32		0.02	A	3955	913	12.05		0.05	A
257	SA4	925	390	65.74		0.15	A	30	925	7.54		0.27	A	1076	220	4.13		0.13	A
258	SA4	825	491	11.09		0.06	A	34	825	2.15		0.02	A	1127	158	10.64		0.04	A
259	SA4	779	392	32.75		0.10	A	30	779	0.70		0.00	A	825	334	7.14		-0.03	A

Note: SA4=4 Point Short Answer, NF=Number of students in a focal group, NR=Number of students in a reference group, MH $\chi^2$ =Mantel-Haenszel Chi-Square,  $\Delta$ MH=Delta(MH-D DIF), SMD=Standardized Mean Difference, A=No DIF, B=Weak DIF, C=Strong DIF, < favors reference group, > favors focal group, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.64: Logistic Regression DIF Results on Stage I Prereading Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NonUni}$	Wald	p-value	$\beta_2^{NonUni}$	Wald	p-value	
1	MC	1330	1364	0.26	0.74	0.390	0.38	0.15	0.701	0.00	0.02	0.894	
2	MC	1330	1364	-0.02	0.03	0.871	0.01	0.00	0.992	0.00	0.00	0.963	
3	MC	1330	1364	0.19	3.19	0.074	-0.17	0.10	0.754	0.01	0.44	0.506	
4	MC	5481	5549	-0.19	3.22	0.073	0.00	0.00	0.994	0.00	0.28	0.599	
5	MC	1330	1364	-0.07	0.23	0.635	-0.44	0.53	0.468	0.01	0.40	0.528	
6	MC	1330	1364	0.09	0.96	0.328	0.46	0.91	0.340	-0.01	0.62	0.430	
7	MC	1330	1364	0.18	1.35	0.245	0.12	0.04	0.846	0.00	0.01	0.932	
8	MC	5481	5549	-0.10	4.02	0.045	-0.07	0.07	0.791	0.00	0.02	0.880	
9	MC	1330	1364	-0.18	4.51	0.034	-0.48	1.13	0.289	0.01	0.46	0.499	
10	MC	1330	1364	0.05	0.11	0.739	0.82	1.65	0.199	-0.02	1.54	0.214	
11	MC	5481	5549	-0.29	41.53	0.000	-1.16	23.31	0.000	0.02	13.53	0.000	NonUniform
12	MC	5481	5549	-0.08	2.21	0.137	-0.52	3.73	0.053	0.01	2.84	0.092	
13	MC	5481	5549	-0.08	1.93	0.165	-0.26	0.93	0.335	0.00	0.49	0.485	
14	MC	1330	1364	0.09	1.19	0.275	-0.21	0.19	0.662	0.01	0.40	0.526	
15	MC	1330	1364	-0.30	8.46	0.004	-1.16	4.53	0.033	0.02	2.61	0.106	Uniform<
16	MC	1330	1364	-0.22	3.77	0.052	-0.62	1.34	0.247	0.01	0.58	0.447	
17	MC	1350	1341	0.17	0.45	0.504	0.14	0.02	0.879	0.00	0.00	0.971	
18	MC	1350	1341	-0.17	2.57	0.109	-0.61	1.32	0.251	0.01	0.70	0.401	
19	MC	1350	1341	-0.05	0.13	0.717	0.12	0.03	0.852	0.00	0.08	0.784	
20	MC	1350	1341	0.00	0.00	0.974	0.26	0.24	0.622	-0.01	0.25	0.619	
21	MC	1350	1341	0.38	20.69	0.000	1.42	8.92	0.003	-0.02	4.94	0.026	Uniform>
22	MC	1350	1341	0.01	0.01	0.908	-0.83	2.57	0.109	0.02	2.73	0.099	
23	MC	1350	1341	-0.23	3.71	0.054	-0.17	0.10	0.747	0.00	0.01	0.909	
24	MC	1350	1341	-0.05	0.11	0.741	0.61	0.82	0.366	-0.02	1.02	0.313	
25	MC	1350	1341	-0.24	5.13	0.023	-0.19	0.13	0.723	0.00	0.01	0.927	
26	MC	1350	1341	-0.12	0.83	0.362	-0.51	0.78	0.376	0.01	0.48	0.486	
27	MC	1350	1341	0.23	8.35	0.004	-0.18	0.17	0.680	0.01	0.94	0.333	Uniform>
28	MC	1347	1359	0.28	1.11	0.291	0.55	0.42	0.518	-0.01	0.11	0.736	
29	MC	1347	1359	0.14	0.88	0.347	0.12	0.04	0.847	0.00	0.00	0.973	
30	MC	1347	1359	-0.17	0.87	0.351	-1.53	4.30	0.038	0.04	3.61	0.057	
31	MC	1347	1359	-0.20	0.98	0.321	0.37	0.28	0.598	-0.01	0.71	0.400	
32	MC	1347	1359	-0.16	3.72	0.054	-1.31	7.82	0.005	0.02	6.22	0.013	
33	MC	1347	1359	-0.07	0.56	0.455	-1.46	7.62	0.006	0.03	7.13	0.008	NonUniform
34	MC	1347	1359	-0.29	6.61	0.010	-0.06	0.01	0.905	-0.01	0.22	0.640	
35	MC	1347	1359	-0.06	0.23	0.634	0.04	0.00	0.945	0.00	0.03	0.864	
36	MC	1347	1359	0.16	2.98	0.084	-0.23	0.23	0.634	0.01	0.66	0.417	
37	MC	1347	1359	0.09	1.30	0.254	-0.17	0.14	0.708	0.01	0.35	0.551	
38	MC	1347	1359	-0.06	0.46	0.497	-0.46	1.18	0.278	0.01	0.95	0.331	
39	MC	1454	1485	-0.04	0.02	0.885	0.71	0.52	0.471	-0.02	0.63	0.428	
40	MC	1454	1485	0.04	0.10	0.754	-0.54	0.81	0.369	0.01	0.99	0.320	
41	MC	1454	1485	-0.14	1.16	0.282	-1.52	6.45	0.011	0.03	5.59	0.018	
42	MC	1454	1485	-0.23	4.66	0.031	-0.99	3.97	0.046	0.02	2.46	0.117	
43	MC	1454	1485	-0.11	1.23	0.267	-0.95	3.57	0.059	0.02	2.91	0.088	
44	MC	1454	1485	0.12	0.62	0.432	0.17	0.07	0.797	0.00	0.01	0.938	
45	MC	1454	1485	-0.09	1.17	0.280	0.23	0.28	0.598	-0.01	0.56	0.453	
46	MC	1454	1485	-0.19	2.60	0.107	0.22	0.13	0.718	-0.01	0.48	0.489	
47	MC	1454	1485	-0.20	2.65	0.103	0.33	0.35	0.555	-0.01	0.94	0.333	
48	MC	1454	1485	-0.17	1.22	0.269	0.81	1.56	0.212	-0.02	2.41	0.121	
49	MC	1454	1485	-0.15	3.75	0.053	0.64	2.25	0.134	-0.02	3.60	0.058	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.65: Logistic Regression DIF Results on Stage I Prereading Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	2449	245	-0.66	0.78	0.377	-0.23	0.01	0.914	-0.01	0.04	0.835	
2	MC	2449	245	-0.34	1.61	0.204	-1.67	2.31	0.128	0.03	1.61	0.205	
3	MC	2449	245	-0.06	0.09	0.761	0.72	0.42	0.516	-0.02	0.51	0.476	
4	MC	9880	1150	0.20	1.18	0.277	0.21	0.11	0.743	0.00	0.00	0.986	
5	MC	2449	245	0.08	0.08	0.783	-0.14	0.02	0.902	0.00	0.04	0.845	
6	MC	2449	245	-0.20	1.57	0.210	-0.72	0.69	0.408	0.01	0.37	0.545	
7	MC	2449	245	-0.07	0.05	0.819	1.18	0.79	0.374	-0.03	0.91	0.339	
8	MC	9880	1150	-0.17	3.58	0.058	1.24	7.05	0.008	-0.03	9.36	0.002	NonUniform
9	MC	2449	245	-0.55	10.76	0.001	0.48	0.29	0.592	-0.02	1.34	0.247	Uniform<
10	MC	2449	245	0.39	2.16	0.142	0.94	0.60	0.440	-0.01	0.21	0.648	
11	MC	9880	1150	-0.03	0.21	0.647	0.45	1.15	0.284	-0.01	1.38	0.241	
12	MC	9880	1150	-0.07	0.72	0.398	1.66	9.71	0.002	-0.04	10.83	0.001	NonUniform
13	MC	9880	1150	-0.08	0.76	0.383	1.08	4.47	0.035	-0.02	5.34	0.021	
14	MC	2449	245	-0.14	0.99	0.319	0.04	0.00	0.959	0.00	0.05	0.826	
15	MC	2449	245	-0.21	1.17	0.280	-0.80	0.65	0.419	0.01	0.37	0.544	
16	MC	2449	245	0.09	0.19	0.661	0.43	0.18	0.673	-0.01	0.11	0.735	
17	MC	2415	276	-0.37	0.59	0.444	-1.23	0.66	0.415	0.02	0.38	0.536	
18	MC	2415	276	0.16	0.80	0.371	0.51	0.34	0.560	-0.01	0.17	0.683	
19	MC	2415	276	-0.06	0.06	0.812	-0.26	0.06	0.801	0.00	0.04	0.842	
20	MC	2415	276	-0.52	6.41	0.011	0.22	0.06	0.811	-0.02	0.69	0.407	
21	MC	2415	276	-0.21	2.26	0.133	-1.11	2.28	0.131	0.02	1.55	0.214	
22	MC	2415	276	-0.17	1.16	0.282	0.18	0.04	0.836	-0.01	0.17	0.681	
23	MC	2415	276	0.08	0.18	0.673	1.79	4.29	0.038	-0.04	4.00	0.046	
24	MC	2415	276	-0.14	0.25	0.614	0.30	0.07	0.786	-0.01	0.17	0.680	
25	MC	2415	276	-0.20	1.21	0.271	-0.38	0.19	0.661	0.00	0.04	0.834	
26	MC	2415	276	0.00	0.00	0.992	0.87	0.86	0.355	-0.02	0.89	0.345	
27	MC	2415	276	0.20	2.29	0.130	-1.43	4.63	0.031	0.03	6.25	0.012	
28	MC	2392	314	-0.13	0.07	0.791	0.81	0.22	0.638	-0.03	0.32	0.572	
29	MC	2392	314	0.25	0.96	0.328	0.10	0.01	0.932	0.00	0.02	0.888	
30	MC	2392	314	0.15	0.22	0.638	1.27	0.76	0.384	-0.03	0.60	0.438	
31	MC	2392	314	0.37	1.24	0.266	-0.25	0.04	0.834	0.01	0.29	0.593	
32	MC	2392	314	-0.30	4.76	0.029	1.56	3.19	0.074	-0.04	4.64	0.031	
33	MC	2392	314	-0.13	0.63	0.426	3.73	9.84	0.002	-0.08	10.67	0.001	NonUniform
34	MC	2392	314	-0.44	4.23	0.040	0.96	0.86	0.355	-0.03	1.88	0.170	
35	MC	2392	314	0.27	1.61	0.205	2.24	3.18	0.074	-0.04	2.51	0.113	
36	MC	2392	314	0.02	0.02	0.894	1.07	1.45	0.228	-0.02	1.44	0.230	
37	MC	2392	314	-0.16	1.49	0.222	1.36	2.62	0.106	-0.03	3.37	0.066	
38	MC	2392	314	-0.27	4.15	0.042	-0.76	1.09	0.297	0.01	0.46	0.497	
39	MC	2624	315	0.50	1.55	0.213	1.41	0.99	0.320	-0.02	0.43	0.511	
40	MC	2624	315	0.03	0.01	0.905	1.44	1.75	0.185	-0.03	1.73	0.188	
41	MC	2624	315	0.32	2.43	0.119	1.51	2.04	0.153	-0.03	1.31	0.252	
42	MC	2624	315	-0.39	4.01	0.045	0.57	0.42	0.519	-0.02	1.21	0.271	
43	MC	2624	315	0.16	0.96	0.326	1.01	1.29	0.256	-0.02	0.95	0.330	
44	MC	2624	315	-0.30	1.14	0.285	-1.91	3.16	0.076	0.04	2.50	0.114	
45	MC	2624	315	-0.21	2.06	0.151	1.79	4.67	0.031	-0.04	5.95	0.015	
46	MC	2624	315	-0.08	0.16	0.688	-1.60	2.98	0.084	0.03	2.85	0.091	
47	MC	2624	315	0.11	0.30	0.583	-1.28	2.10	0.147	0.03	2.66	0.103	
48	MC	2624	315	-0.09	0.12	0.728	1.11	0.91	0.340	-0.03	1.10	0.293	
49	MC	2624	315	-0.41	8.96	0.003	0.53	0.51	0.475	-0.02	1.64	0.200	Uniform<

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.0005 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.66: Logistic Regression DIF Results on Stage I Prereading Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	68	2626	0.13	0.02	0.897	-1.21	0.06	0.814	0.03	0.07	0.795	NonUniform
2	MC	68	2626	0.47	1.06	0.303	1.09	0.25	0.616	-0.01	0.09	0.768	
3	MC	68	2626	-0.22	0.50	0.479	-5.31	4.16	0.041	0.11	3.80	0.051	
4	MC	632	10398	0.66	4.71	0.030	1.26	1.23	0.267	-0.01	0.31	0.576	
5	MC	68	2626	-0.01	0.00	0.986	2.22	1.06	0.302	-0.05	1.20	0.274	
6	MC	68	2626	-0.26	0.91	0.339	1.79	1.66	0.198	-0.04	2.26	0.133	
7	MC	68	2626	-0.09	0.04	0.845	0.95	0.19	0.662	-0.02	0.25	0.620	
8	MC	632	10398	0.02	0.04	0.849	-0.89	2.34	0.126	0.02	2.51	0.113	
9	MC	68	2626	-0.17	0.40	0.528	1.65	1.44	0.229	-0.04	1.83	0.176	
10	MC	68	2626	-0.83	4.82	0.028	-2.47	1.36	0.243	0.04	0.61	0.436	
11	MC	632	10398	-0.01	0.02	0.899	0.29	0.32	0.574	-0.01	0.36	0.551	
12	MC	632	10398	0.16	2.20	0.138	-1.72	6.10	0.014	0.04	7.43	0.006	
13	MC	632	10398	0.02	0.04	0.836	-0.65	1.05	0.305	0.01	1.16	0.281	
14	MC	68	2626	-0.68	6.53	0.011	-0.92	0.31	0.579	0.00	0.02	0.883	
15	MC	68	2626	-0.09	0.08	0.779	1.27	0.64	0.422	-0.03	0.77	0.379	
16	MC	68	2626	0.90	3.51	0.061	0.49	0.04	0.836	0.01	0.03	0.857	Uniform> Uniform<
17	MC	171	2520	-0.26	0.33	0.563	0.97	0.38	0.537	-0.03	0.71	0.398	
18	MC	171	2520	0.69	7.40	0.007	-1.05	0.62	0.432	0.04	1.72	0.189	Uniform> Uniform<
19	MC	171	2520	-0.96	16.54	0.000	-0.79	0.39	0.531	0.00	0.02	0.891	
20	MC	171	2520	0.09	0.18	0.674	-0.17	0.02	0.880	0.01	0.06	0.810	
21	MC	171	2520	-0.02	0.02	0.884	-0.46	0.21	0.647	0.01	0.19	0.660	
22	MC	171	2520	-0.02	0.01	0.923	-0.27	0.06	0.806	0.01	0.05	0.816	
23	MC	171	2520	-0.39	3.21	0.073	-1.78	2.85	0.091	0.03	1.79	0.181	
24	MC	171	2520	-0.20	0.45	0.502	-1.51	0.98	0.321	0.03	0.76	0.383	
25	MC	171	2520	0.01	0.00	0.972	1.34	1.83	0.177	-0.03	1.90	0.168	
26	MC	171	2520	0.60	3.73	0.053	-0.56	0.18	0.668	0.03	0.83	0.363	
27	MC	171	2520	-0.01	0.01	0.928	0.81	0.92	0.337	-0.02	0.99	0.319	
28	MC	145	2561	-0.13	0.04	0.836	-1.79	0.42	0.518	0.04	0.36	0.551	
29	MC	145	2561	0.02	0.00	0.952	2.47	2.25	0.134	-0.06	2.44	0.118	
30	MC	145	2561	0.36	0.52	0.469	1.97	0.82	0.365	-0.04	0.61	0.434	
31	MC	145	2561	-0.53	1.79	0.181	-0.27	0.02	0.883	-0.01	0.02	0.884	Uniform> Uniform<
32	MC	145	2561	0.62	9.77	0.002	-0.08	0.00	0.944	0.01	0.35	0.557	
33	MC	145	2561	0.45	3.60	0.058	-3.49	3.93	0.047	0.08	4.99	0.025	
34	MC	145	2561	0.25	0.85	0.356	-0.88	0.35	0.552	0.02	0.59	0.441	
35	MC	145	2561	-0.58	5.25	0.022	-0.28	0.03	0.852	-0.01	0.04	0.840	
36	MC	145	2561	0.05	0.06	0.813	0.93	0.64	0.422	-0.02	0.60	0.439	
37	MC	145	2561	-0.06	0.10	0.757	0.55	0.25	0.616	-0.01	0.31	0.575	
38	MC	145	2561	-0.25	1.94	0.164	-1.01	0.79	0.373	0.02	0.47	0.494	
39	MC	248	2691	0.48	0.63	0.427	4.03	1.96	0.161	-0.08	1.89	0.169	
40	MC	248	2691	-0.53	6.23	0.013	-0.23	0.05	0.819	-0.01	0.10	0.757	
41	MC	248	2691	-0.26	1.45	0.229	-0.84	0.60	0.438	0.01	0.30	0.586	
42	MC	248	2691	0.30	2.17	0.141	-0.02	0.00	0.986	0.01	0.11	0.737	
43	MC	248	2691	0.30	2.69	0.101	1.33	2.21	0.137	-0.02	1.39	0.238	
44	MC	248	2691	-0.14	0.29	0.591	1.15	1.06	0.303	-0.03	1.45	0.229	
45	MC	248	2691	-0.39	7.44	0.006	0.36	0.21	0.644	-0.02	0.98	0.322	Uniform<
46	MC	248	2691	-0.12	0.32	0.570	0.35	0.11	0.735	-0.01	0.21	0.645	
47	MC	248	2691	0.08	0.12	0.725	-2.41	3.97	0.046	0.06	4.24	0.039	
48	MC	248	2691	0.01	0.00	0.971	0.17	0.02	0.890	0.00	0.02	0.893	
49	MC	248	2691	0.37	6.23	0.013	-0.67	0.68	0.408	0.02	1.69	0.193	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.67: Logistic Regression DIF Results on Stage I Prereading Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	140	2554	-0.38	0.66	0.418	-2.06	1.18	0.278	0.05	0.80	0.372	NonUniform
2	MC	140	2554	-0.15	0.39	0.534	1.17	1.31	0.252	-0.03	1.79	0.181	
3	MC	140	2554	0.04	0.04	0.841	2.22	5.52	0.019	-0.05	5.69	0.017	
4	MC	591	10439	0.37	2.81	0.094	0.30	0.16	0.685	0.00	0.01	0.920	
5	MC	140	2554	-0.02	0.01	0.938	-0.76	0.36	0.546	0.02	0.36	0.550	
6	MC	140	2554	0.10	0.28	0.597	1.70	3.82	0.051	-0.03	3.56	0.059	
7	MC	140	2554	0.27	0.76	0.383	-0.30	0.05	0.820	0.01	0.19	0.663	
8	MC	591	10439	-0.14	1.92	0.165	-0.34	0.53	0.466	0.00	0.19	0.660	
9	MC	140	2554	0.21	1.24	0.266	0.46	0.26	0.609	-0.01	0.08	0.778	
10	MC	140	2554	-0.28	1.10	0.294	-0.26	0.05	0.827	0.00	0.00	0.984	
11	MC	591	10439	0.11	1.33	0.248	0.50	1.28	0.259	-0.01	0.81	0.369	
12	MC	591	10439	-0.01	0.00	0.956	-0.34	0.42	0.519	0.01	0.42	0.518	
13	MC	591	10439	-0.05	0.26	0.609	0.50	1.06	0.303	-0.01	1.38	0.241	
14	MC	140	2554	0.31	2.81	0.093	0.98	1.19	0.274	-0.01	0.58	0.445	
15	MC	140	2554	0.21	0.93	0.334	-1.23	1.03	0.310	0.03	1.44	0.230	
16	MC	140	2554	0.04	0.03	0.858	1.21	1.47	0.225	-0.03	1.48	0.224	Uniform> Uniform<
17	MC	144	2547	-0.23	0.32	0.572	-1.77	1.49	0.223	0.05	1.14	0.285	
18	MC	144	2547	0.01	0.00	0.968	0.59	0.46	0.499	-0.01	0.47	0.491	
19	MC	144	2547	0.25	0.79	0.374	1.73	3.01	0.083	-0.04	2.46	0.117	
20	MC	144	2547	0.09	0.17	0.680	-0.42	0.19	0.659	0.01	0.30	0.583	
21	MC	144	2547	-0.21	1.21	0.271	0.39	0.20	0.654	-0.01	0.49	0.483	
22	MC	144	2547	0.26	1.69	0.194	0.21	0.05	0.826	0.00	0.00	0.952	
23	MC	144	2547	0.14	0.30	0.586	0.72	0.62	0.430	-0.01	0.45	0.501	
24	MC	144	2547	0.20	0.45	0.501	-0.42	0.12	0.726	0.02	0.28	0.596	
25	MC	144	2547	0.00	0.00	0.999	0.33	0.13	0.723	-0.01	0.13	0.716	
26	MC	144	2547	-0.33	1.94	0.164	-0.17	0.04	0.849	0.00	0.03	0.864	Uniform>
27	MC	144	2547	0.19	1.16	0.282	1.62	4.98	0.026	-0.03	4.12	0.042	
28	MC	154	2552	0.50	1.02	0.313	0.79	0.35	0.554	-0.01	0.06	0.814	
29	MC	154	2552	0.04	0.02	0.884	1.65	2.90	0.089	-0.04	3.06	0.080	
30	MC	154	2552	-0.15	0.23	0.635	1.57	2.23	0.135	-0.05	2.99	0.084	
31	MC	154	2552	0.23	0.38	0.540	-0.79	0.38	0.540	0.03	0.66	0.415	
32	MC	154	2552	-0.06	0.13	0.720	-1.32	1.94	0.163	0.03	1.83	0.176	
33	MC	154	2552	0.13	0.41	0.524	-0.42	0.17	0.680	0.01	0.30	0.581	
34	MC	154	2552	-0.15	0.51	0.476	-0.05	0.00	0.956	0.00	0.01	0.905	
35	MC	154	2552	0.08	0.10	0.749	0.18	0.02	0.878	0.00	0.01	0.929	
36	MC	154	2552	0.23	1.46	0.226	0.93	1.25	0.263	-0.02	0.74	0.389	Uniform<
37	MC	154	2552	-0.25	1.94	0.164	0.47	0.36	0.548	-0.02	0.88	0.349	
38	MC	154	2552	0.11	0.37	0.545	0.03	0.00	0.968	0.00	0.01	0.917	
39	MC	153	2786	0.44	0.53	0.469	-3.19	1.27	0.260	0.11	1.47	0.225	
40	MC	153	2786	-0.41	3.06	0.080	0.59	0.30	0.586	-0.02	0.90	0.343	
41	MC	153	2786	0.26	1.05	0.305	-1.57	1.28	0.259	0.05	1.76	0.184	
42	MC	153	2786	-0.09	0.20	0.658	0.72	0.52	0.469	-0.02	0.71	0.399	
43	MC	153	2786	0.18	0.77	0.381	-0.41	0.14	0.707	0.01	0.30	0.583	
44	MC	153	2786	-0.16	0.37	0.543	-0.01	0.00	0.993	0.00	0.01	0.903	
45	MC	153	2786	0.37	3.68	0.055	0.65	0.48	0.486	-0.01	0.10	0.755	
46	MC	153	2786	-0.03	0.02	0.894	0.38	0.11	0.745	-0.01	0.13	0.721	
47	MC	153	2786	0.30	1.39	0.238	-0.02	0.00	0.987	0.01	0.07	0.789	
48	MC	153	2786	0.74	4.38	0.036	-1.27	0.56	0.455	0.06	1.38	0.240	
49	MC	153	2786	0.26	2.08	0.150	-0.42	0.21	0.651	0.02	0.55	0.458	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.68: Logistic Regression DIF Results on Stage I Prereading Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	2113	581	-0.01	0.00	0.980	0.50	0.16	0.685	-0.01	0.19	0.667	
2	MC	2113	581	-0.13	0.63	0.428	-0.03	0.00	0.967	0.00	0.02	0.891	
3	MC	2113	581	-0.22	2.69	0.101	0.97	1.75	0.185	-0.03	2.72	0.099	
4	MC	8720	2310	0.01	0.00	0.970	0.21	0.18	0.669	-0.01	0.19	0.665	
5	MC	2113	581	-0.07	0.13	0.713	-0.88	1.35	0.245	0.02	1.24	0.265	
6	MC	2113	581	-0.14	1.79	0.182	-0.35	0.36	0.549	0.00	0.13	0.721	
7	MC	2113	581	0.46	6.86	0.009	1.74	4.65	0.031	-0.03	2.62	0.106	Uniform>
8	MC	8720	2310	-0.16	5.98	0.014	0.72	5.12	0.024	-0.02	7.90	0.005	NonUniform
9	MC	2113	581	-0.23	4.50	0.034	0.67	1.34	0.247	-0.02	2.48	0.115	
10	MC	2113	581	0.47	7.09	0.008	1.09	1.91	0.167	-0.01	0.64	0.424	Uniform>
11	MC	8720	2310	-0.05	0.81	0.369	0.00	0.00	0.999	0.00	0.03	0.859	
12	MC	8720	2310	-0.10	2.49	0.114	0.49	2.00	0.157	-0.01	3.02	0.082	
13	MC	8720	2310	-0.17	6.10	0.014	0.07	0.05	0.827	-0.01	0.55	0.458	
14	MC	2113	581	-0.07	0.47	0.493	-1.01	3.29	0.070	0.02	2.95	0.086	
15	MC	2113	581	-0.08	0.38	0.539	-0.25	0.15	0.703	0.00	0.07	0.788	
16	MC	2113	581	-0.15	0.98	0.322	-0.60	0.82	0.364	0.01	0.50	0.479	
17	MC	2137	554	0.22	0.53	0.466	-0.59	0.33	0.566	0.02	0.69	0.406	
18	MC	2137	554	-0.04	0.07	0.795	1.31	3.62	0.057	-0.03	3.94	0.047	
19	MC	2137	554	0.20	1.30	0.253	-0.11	0.02	0.884	0.01	0.18	0.675	
20	MC	2137	554	-0.19	1.95	0.163	0.16	0.06	0.800	-0.01	0.32	0.573	
21	MC	2137	554	-0.10	1.00	0.316	-0.22	0.14	0.708	0.00	0.04	0.844	
22	MC	2137	554	-0.03	0.05	0.822	-0.44	0.51	0.473	0.01	0.47	0.492	
23	MC	2137	554	0.16	1.27	0.260	0.89	1.95	0.163	-0.02	1.36	0.244	
24	MC	2137	554	-0.03	0.03	0.870	-1.06	1.84	0.175	0.02	1.87	0.171	
25	MC	2137	554	-0.35	6.71	0.010	-0.81	1.61	0.205	0.01	0.54	0.462	Uniform<
26	MC	2137	554	-0.19	1.20	0.273	-0.29	0.17	0.683	0.00	0.02	0.883	
27	MC	2137	554	0.18	3.40	0.065	-0.61	1.40	0.237	0.02	2.45	0.118	
28	MC	2146	560	-0.20	0.30	0.585	-0.76	0.45	0.501	0.02	0.28	0.596	
29	MC	2146	560	0.25	1.67	0.197	0.33	0.16	0.687	0.00	0.01	0.923	
30	MC	2146	560	-0.22	0.68	0.410	-0.46	0.24	0.627	0.01	0.07	0.790	
31	MC	2146	560	0.07	0.06	0.805	-0.16	0.03	0.857	0.01	0.07	0.791	
32	MC	2146	560	-0.33	9.40	0.002	-0.17	0.08	0.778	0.00	0.08	0.783	Uniform<
33	MC	2146	560	-0.12	0.93	0.335	1.18	2.60	0.107	-0.03	3.28	0.070	
34	MC	2146	560	-0.19	1.52	0.217	1.16	2.59	0.107	-0.03	3.65	0.056	
35	MC	2146	560	0.09	0.26	0.609	0.80	0.89	0.345	-0.02	0.74	0.391	
36	MC	2146	560	-0.05	0.18	0.675	0.30	0.22	0.640	-0.01	0.30	0.582	
37	MC	2146	560	-0.19	3.14	0.076	0.63	1.10	0.295	-0.02	1.89	0.169	
38	MC	2146	560	-0.08	0.63	0.428	-0.83	2.34	0.126	0.01	1.97	0.160	
39	MC	2324	615	0.14	0.19	0.663	-0.15	0.02	0.899	0.01	0.07	0.794	
40	MC	2324	615	0.09	0.33	0.567	1.03	1.85	0.174	-0.02	1.59	0.208	
41	MC	2324	615	0.22	2.00	0.157	0.48	0.44	0.509	-0.01	0.14	0.711	
42	MC	2324	615	-0.31	5.08	0.024	-0.22	0.12	0.724	0.00	0.02	0.883	
43	MC	2324	615	-0.02	0.03	0.874	0.50	0.65	0.418	-0.01	0.73	0.393	
44	MC	2324	615	0.20	1.29	0.256	-0.27	0.12	0.725	0.01	0.40	0.528	
45	MC	2324	615	-0.24	5.00	0.025	0.80	2.03	0.155	-0.02	3.55	0.060	
46	MC	2324	615	0.17	1.42	0.234	-0.41	0.34	0.559	0.01	0.71	0.400	
47	MC	2324	615	0.14	0.95	0.331	0.00	0.00	1.000	0.00	0.05	0.829	
48	MC	2324	615	-0.48	5.17	0.023	-0.69	0.67	0.411	0.01	0.07	0.790	
49	MC	2324	615	-0.15	2.31	0.129	1.05	3.84	0.050	-0.02	5.17	0.023	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.69: Logistic Regression DIF Results on Stage I Prereading Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	2113	403	-0.07	0.02	0.881	-0.67	0.14	0.710	0.01	0.12	0.726	Uniform>
2	MC	2113	403	-0.20	1.12	0.289	0.50	0.30	0.586	-0.02	0.60	0.437	
3	MC	2113	403	-0.28	3.15	0.076	1.56	3.02	0.082	-0.04	4.26	0.039	
4	MC	8720	1468	-0.31	2.68	0.102	-0.30	0.16	0.687	0.00	0.00	0.985	
5	MC	2113	403	-0.20	0.79	0.375	-1.52	2.42	0.120	0.03	2.01	0.157	
6	MC	2113	403	-0.15	1.35	0.245	-0.03	0.00	0.968	0.00	0.03	0.864	
7	MC	2113	403	0.53	7.50	0.006	2.30	5.55	0.019	-0.04	3.34	0.068	
8	MC	8720	1468	-0.11	2.13	0.145	0.75	3.59	0.058	-0.02	4.89	0.027	
9	MC	2113	403	-0.16	1.73	0.189	0.78	1.32	0.251	-0.02	1.97	0.160	
10	MC	2113	403	0.50	6.29	0.012	1.26	1.78	0.183	-0.02	0.67	0.414	
11	MC	8720	1468	0.00	0.00	0.990	-0.19	0.27	0.600	0.00	0.28	0.596	
12	MC	8720	1468	-0.06	0.66	0.416	0.47	1.24	0.266	-0.01	1.64	0.201	
13	MC	8720	1468	-0.13	2.43	0.119	-0.25	0.35	0.553	0.00	0.08	0.775	
14	MC	2113	403	-0.07	0.38	0.537	-1.58	6.20	0.013	0.03	5.83	0.016	
15	MC	2113	403	-0.05	0.12	0.724	0.47	0.35	0.554	-0.01	0.44	0.505	
16	MC	2113	403	-0.22	1.65	0.199	-1.12	1.90	0.168	0.02	1.30	0.254	NonUniform
17	MC	2137	354	0.68	4.32	0.038	1.69	1.53	0.217	-0.02	0.56	0.455	
18	MC	2137	354	-0.11	0.42	0.515	2.47	6.52	0.011	-0.05	7.17	0.007	
19	MC	2137	354	0.41	4.13	0.042	-0.45	0.22	0.638	0.02	0.86	0.352	
20	MC	2137	354	-0.10	0.40	0.529	0.03	0.00	0.973	0.00	0.03	0.872	
21	MC	2137	354	-0.01	0.01	0.907	0.94	1.47	0.226	-0.02	1.56	0.212	
22	MC	2137	354	0.11	0.61	0.436	-0.52	0.46	0.497	0.01	0.69	0.405	
23	MC	2137	354	0.21	1.45	0.229	0.15	0.03	0.858	0.00	0.00	0.944	
24	MC	2137	354	0.06	0.06	0.812	-1.70	2.66	0.103	0.04	3.11	0.078	
25	MC	2137	354	-0.43	6.41	0.011	-0.90	1.14	0.285	0.01	0.33	0.566	
26	MC	2137	354	-0.49	4.51	0.034	-1.88	3.25	0.071	0.03	1.94	0.163	
27	MC	2137	354	0.20	2.67	0.102	-0.14	0.04	0.835	0.01	0.26	0.613	
28	MC	2146	314	-0.17	0.12	0.729	-0.66	0.17	0.677	0.01	0.11	0.743	
29	MC	2146	314	0.23	0.80	0.370	0.00	0.00	0.999	0.01	0.05	0.828	
30	MC	2146	314	-0.14	0.16	0.687	1.70	1.19	0.276	-0.05	1.42	0.234	
31	MC	2146	314	0.11	0.09	0.762	0.18	0.02	0.888	0.00	0.00	0.953	
32	MC	2146	314	-0.17	1.62	0.204	-0.72	0.88	0.349	0.01	0.53	0.467	
33	MC	2146	314	-0.09	0.29	0.591	0.23	0.06	0.801	-0.01	0.12	0.724	
34	MC	2146	314	-0.13	0.42	0.516	1.47	2.19	0.139	-0.03	2.65	0.103	
35	MC	2146	314	-0.18	0.61	0.434	-0.02	0.00	0.987	0.00	0.02	0.881	
36	MC	2146	314	-0.06	0.19	0.666	0.15	0.03	0.862	0.00	0.06	0.801	
37	MC	2146	314	-0.30	4.85	0.028	-0.56	0.55	0.460	0.01	0.13	0.721	
38	MC	2146	314	0.18	1.90	0.168	0.06	0.01	0.939	0.00	0.03	0.873	
39	MC	2324	397	0.09	0.05	0.816	-1.33	0.68	0.411	0.03	0.87	0.351	
40	MC	2324	397	0.21	1.26	0.261	1.10	1.49	0.222	-0.02	1.01	0.316	
41	MC	2324	397	0.21	1.33	0.249	0.27	0.10	0.754	0.00	0.01	0.940	
42	MC	2324	397	-0.23	2.07	0.150	-0.08	0.01	0.918	0.00	0.04	0.838	
43	MC	2324	397	-0.09	0.38	0.538	0.14	0.04	0.851	0.00	0.10	0.754	
44	MC	2324	397	0.40	4.10	0.043	0.71	0.55	0.460	-0.01	0.10	0.747	
45	MC	2324	397	-0.15	1.38	0.241	0.60	0.82	0.365	-0.02	1.31	0.252	
46	MC	2324	397	0.31	3.76	0.053	0.15	0.03	0.855	0.00	0.04	0.849	
47	MC	2324	397	0.15	0.79	0.375	0.24	0.08	0.772	0.00	0.01	0.915	
48	MC	2324	397	-0.51	4.12	0.042	-0.49	0.20	0.653	0.00	0.00	0.982	
49	MC	2324	397	-0.03	0.09	0.770	1.20	3.41	0.065	-0.03	3.71	0.054	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.70: Logistic Regression DIF Results on Stage I Prereading Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NU}$	Wald $\chi^2$	p-value	$\beta_2^{NU}$	Wald $\chi^2$	p-value	
1	MC	178	403	-0.07	0.01	0.928	-2.15	0.84	0.358	0.06	0.86	0.353	Uniform<
2	MC	178	403	-0.25	0.63	0.427	1.19	0.80	0.372	-0.03	1.24	0.266	
3	MC	178	403	-0.24	0.74	0.388	1.51	1.19	0.276	-0.04	1.66	0.198	
4	MC	842	1468	-0.70	7.70	0.006	-0.82	0.82	0.364	0.00	0.02	0.890	
5	MC	178	403	-0.40	1.36	0.244	-1.57	1.23	0.267	0.03	0.73	0.393	
6	MC	178	403	0.00	0.00	1.000	0.94	0.76	0.384	-0.02	0.79	0.375	
7	MC	178	403	0.31	0.71	0.399	1.64	1.25	0.264	-0.03	0.87	0.350	
8	MC	842	1468	0.15	1.34	0.247	0.08	0.02	0.887	0.00	0.01	0.912	
9	MC	178	403	0.22	1.06	0.304	0.45	0.17	0.682	0.00	0.04	0.833	
10	MC	178	403	0.11	0.10	0.756	0.51	0.12	0.728	-0.01	0.08	0.779	
11	MC	842	1468	0.15	1.87	0.171	-0.47	0.75	0.386	0.01	1.34	0.247	
12	MC	842	1468	0.12	0.93	0.336	-0.04	0.00	0.950	0.00	0.06	0.800	
13	MC	842	1468	0.13	0.95	0.330	-0.85	1.75	0.186	0.02	2.44	0.119	
14	MC	178	403	0.02	0.01	0.932	-1.93	2.92	0.088	0.04	3.07	0.080	
15	MC	178	403	0.09	0.14	0.712	2.09	3.06	0.080	-0.04	2.92	0.088	
16	MC	178	403	-0.24	0.74	0.391	-1.49	1.33	0.248	0.03	0.98	0.322	
17	MC	200	354	1.43	4.13	0.042	5.12	4.64	0.031	-0.09	3.09	0.079	
18	MC	200	354	-0.17	0.43	0.511	2.32	3.51	0.061	-0.05	4.21	0.040	
19	MC	200	354	0.63	3.31	0.069	-1.43	0.93	0.335	0.05	2.00	0.157	
20	MC	200	354	0.28	1.07	0.302	-0.44	0.14	0.713	0.02	0.38	0.537	Uniform>
21	MC	200	354	0.24	1.52	0.217	2.43	5.74	0.017	-0.04	4.84	0.028	
22	MC	200	354	0.37	2.88	0.090	-0.34	0.09	0.761	0.01	0.42	0.517	
23	MC	200	354	0.19	0.47	0.491	-1.69	2.14	0.144	0.04	2.78	0.096	
24	MC	200	354	0.16	0.18	0.668	-1.45	1.03	0.309	0.04	1.35	0.246	
25	MC	200	354	-0.21	0.69	0.406	-0.15	0.02	0.896	0.00	0.00	0.958	
26	MC	200	354	-0.69	4.95	0.026	-2.75	4.21	0.040	0.04	2.52	0.112	
27	MC	200	354	0.00	0.00	0.982	1.02	1.26	0.262	-0.02	1.30	0.254	
28	MC	246	314	0.01	0.00	0.986	0.19	0.01	0.929	0.00	0.01	0.929	
29	MC	246	314	-0.04	0.01	0.909	-0.67	0.20	0.655	0.01	0.19	0.666	
30	MC	246	314	0.13	0.07	0.795	3.66	3.85	0.050	-0.09	3.80	0.051	
31	MC	246	314	0.06	0.02	0.896	0.64	0.15	0.697	-0.01	0.14	0.713	
32	MC	246	314	0.40	3.99	0.046	-1.30	1.40	0.237	0.03	2.45	0.118	
33	MC	246	314	0.14	0.33	0.567	-2.26	2.56	0.109	0.05	2.97	0.085	
34	MC	246	314	0.21	0.51	0.476	0.57	0.18	0.669	-0.01	0.08	0.784	
35	MC	246	314	-0.56	3.07	0.080	-1.69	1.12	0.290	0.02	0.52	0.470	
36	MC	246	314	-0.03	0.02	0.902	-0.31	0.07	0.792	0.01	0.06	0.806	
37	MC	246	314	-0.23	1.44	0.229	-2.73	5.50	0.019	0.05	4.76	0.029	
38	MC	246	314	0.58	9.55	0.002	1.70	2.90	0.089	-0.02	1.31	0.252	
39	MC	218	397	-0.15	0.06	0.806	-2.38	1.27	0.260	0.06	1.20	0.273	Uniform>
40	MC	218	397	0.41	1.45	0.228	0.21	0.02	0.882	0.00	0.02	0.892	
41	MC	218	397	-0.03	0.01	0.905	-0.60	0.20	0.658	0.01	0.18	0.670	
42	MC	218	397	0.25	0.84	0.360	0.44	0.14	0.704	0.00	0.03	0.864	
43	MC	218	397	-0.22	0.95	0.330	-1.16	0.93	0.334	0.02	0.63	0.427	
44	MC	218	397	0.70	3.66	0.056	2.72	3.73	0.053	-0.05	2.25	0.133	
45	MC	218	397	0.27	1.63	0.202	-0.46	0.18	0.668	0.02	0.49	0.486	
46	MC	218	397	0.47	2.97	0.085	1.67	1.75	0.186	-0.03	0.95	0.330	
47	MC	218	397	0.03	0.01	0.909	0.63	0.27	0.605	-0.01	0.25	0.614	
48	MC	218	397	-0.10	0.06	0.805	0.45	0.09	0.769	-0.01	0.14	0.710	
49	MC	218	397	0.33	2.97	0.085	0.55	0.31	0.579	0.00	0.05	0.822	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.71: Logistic Regression DIF Results on Stage I Prereading Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
1	MC	11	403	10.36	0.00	0.983	12.95	0.00	0.988	-0.10	0.00	0.995	
2	MC	11	403	0.00	0.00	0.997	-1.39	0.03	0.862	0.03	0.03	0.862	
3	MC	11	403	-1.41	3.43	0.064	-1.27	0.07	0.785	0.00	0.00	0.976	
4	MC	71	1468	0.65	0.39	0.533	-6.05	0.60	0.438	0.23	0.54	0.464	
5	MC	11	403	12.87	0.00	0.985	12.83	0.00	0.984	-0.07	0.00	0.995	
6	MC	11	403	0.15	0.04	0.835	0.93	0.05	0.823	-0.02	0.04	0.848	
7	MC	11	403	12.67	0.00	0.980	16.02	0.00	0.976	-0.14	0.00	0.988	
8	MC	71	1468	-0.13	0.17	0.681	-0.79	0.19	0.665	0.01	0.13	0.715	
9	MC	11	403	0.17	0.06	0.807	2.27	0.31	0.578	-0.04	0.28	0.597	
10	MC	11	403	-0.03	0.00	0.977	0.99	0.02	0.884	-0.02	0.02	0.877	
11	MC	71	1468	0.06	0.04	0.842	-0.33	0.04	0.838	0.01	0.06	0.807	
12	MC	71	1468	-0.38	1.49	0.222	-1.96	0.83	0.361	0.03	0.55	0.456	
13	MC	71	1468	-0.09	0.07	0.789	0.70	0.17	0.679	-0.02	0.23	0.631	
14	MC	11	403	-0.01	0.00	0.984	-2.34	0.34	0.561	0.04	0.34	0.559	
15	MC	11	403	14.30	0.00	0.983	16.29	0.00	0.980	-0.12	0.00	0.992	
16	MC	11	403	13.05	0.00	0.981	12.83	0.00	0.979	-0.07	0.00	0.994	
17	MC	35	354	0.94	0.69	0.408	3.67	0.99	0.319	-0.07	0.73	0.392	
18	MC	35	354	0.42	0.51	0.475	2.78	1.63	0.201	-0.05	1.28	0.258	
19	MC	35	354	0.53	0.64	0.423	-14.94	1.08	0.299	0.40	1.13	0.287	
20	MC	35	354	0.59	1.06	0.304	-127.95	0.17	0.684	3.19	0.17	0.683	
21	MC	35	354	-0.03	0.01	0.936	2.52	1.76	0.184	-0.05	1.86	0.173	
22	MC	35	354	0.25	0.35	0.552	-0.30	0.02	0.894	0.01	0.06	0.802	
23	MC	35	354	0.16	0.09	0.765	-2.67	1.37	0.243	0.06	1.56	0.212	
24	MC	35	354	0.22	0.09	0.759	-3.37	1.25	0.263	0.09	1.37	0.241	
25	MC	35	354	-0.25	0.30	0.585	4.48	4.48	0.034	-0.10	5.61	0.018	
26	MC	35	354	-0.01	0.00	0.990	-0.69	0.08	0.773	0.02	0.09	0.769	
27	MC	35	354	0.14	0.15	0.695	2.94	2.73	0.098	-0.06	2.60	0.107	
28	MC	9	314	10.13	0.00	0.982	11.41	0.00	0.988	-0.08	0.00	0.996	
29	MC	9	314	-1.51	2.60	0.107	-137.23	0.05	0.815	2.90	0.05	0.817	
30	MC	9	314	10.91	0.00	0.980	13.86	0.00	0.977	-0.14	0.00	0.988	
31	MC	9	314	11.11	0.00	0.981	13.04	0.00	0.982	-0.11	0.00	0.992	
32	MC	9	314	0.07	0.01	0.928	2.60	0.36	0.549	-0.05	0.36	0.549	
33	MC	9	314	0.90	0.64	0.424	-78.05	0.03	0.862	1.94	0.03	0.858	
34	MC	9	314	0.16	0.02	0.892	-80.63	0.02	0.875	1.99	0.03	0.872	
35	MC	9	314	-1.97	5.31	0.021	-8.43	0.68	0.411	0.13	0.40	0.526	
36	MC	9	314	-0.84	1.30	0.255	-27.02	1.14	0.286	0.50	1.07	0.300	
37	MC	9	314	0.55	0.44	0.507	-123.77	0.10	0.754	2.65	0.10	0.752	
38	MC	9	314	-0.17	0.06	0.806	-4.42	0.60	0.440	0.08	0.56	0.455	
39	MC	16	397	10.72	0.00	0.979	11.43	0.00	0.989	-0.07	0.00	0.996	
40	MC	16	397	12.62	0.00	0.978	15.13	0.00	0.979	-0.13	0.00	0.991	
41	MC	16	397	12.75	0.00	0.977	14.95	0.00	0.978	-0.12	0.00	0.991	
42	MC	16	397	0.75	0.51	0.475	239.42	0.20	0.653	-3.94	0.21	0.651	
43	MC	16	397	-0.47	0.57	0.449	-4.77	0.67	0.415	0.09	0.54	0.462	
44	MC	16	397	0.11	0.01	0.916	-8.27	0.45	0.502	0.19	0.44	0.509	
45	MC	16	397	-0.89	2.77	0.096	-1.89	0.17	0.682	0.02	0.05	0.826	
46	MC	16	397	12.97	0.00	0.972	15.85	0.00	0.972	-0.14	0.00	0.988	
47	MC	16	397	12.84	0.00	0.976	14.48	0.00	0.978	-0.11	0.00	0.991	
48	MC	16	397	11.37	0.00	0.977	13.52	0.00	0.979	-0.12	0.00	0.990	
49	MC	16	397	-0.13	0.06	0.810	-4.40	0.69	0.407	0.09	0.65	0.420	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.72: Logistic Regression DIF Results on Stage I Prereading Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	2694	532	0.46	1.93	0.165	0.37	0.11	0.743	0.00	0.01	0.931	
2	MC	2694	532	-0.12	0.49	0.484	-1.06	2.15	0.142	0.02	1.83	0.177	
3	MC	2694	532	-0.21	2.22	0.136	-0.21	0.08	0.772	0.00	0.00	0.997	
4	MC	11030	2054	0.43	10.76	0.001	0.31	0.38	0.538	0.00	0.06	0.812	Uniform>
5	MC	2694	532	-0.16	0.68	0.410	1.29	2.19	0.139	-0.03	2.85	0.091	
6	MC	2694	532	-0.20	3.30	0.069	0.52	0.66	0.416	-0.01	1.32	0.250	
7	MC	2694	532	0.23	1.59	0.207	1.31	2.46	0.117	-0.02	1.73	0.189	
8	MC	11030	2054	-0.20	8.64	0.003	0.27	0.60	0.437	-0.01	1.92	0.166	Uniform<
9	MC	2694	532	-0.41	12.99	0.000	-0.42	0.51	0.475	0.00	0.00	0.984	Uniform<
10	MC	2694	532	0.16	0.71	0.398	-0.78	1.01	0.316	0.02	1.58	0.209	
11	MC	11030	2054	-0.31	25.44	0.000	0.25	0.58	0.448	-0.01	2.95	0.086	Uniform<
12	MC	11030	2054	-0.14	4.23	0.040	-0.40	1.20	0.273	0.01	0.52	0.471	
13	MC	11030	2054	-0.32	16.72	0.000	0.51	1.69	0.194	-0.02	4.57	0.033	Uniform<
14	MC	2694	532	-0.17	2.89	0.089	1.45	4.81	0.028	-0.03	6.19	0.013	
15	MC	2694	532	-0.20	2.17	0.141	-0.15	0.04	0.834	0.00	0.01	0.939	
16	MC	2694	532	0.11	0.62	0.431	-0.21	0.10	0.751	0.01	0.25	0.619	
17	MC	2691	509	0.00	0.00	0.990	2.55	2.88	0.090	-0.06	2.77	0.096	
18	MC	2691	509	-0.10	0.51	0.474	-0.17	0.05	0.816	0.00	0.01	0.925	
19	MC	2691	509	-0.09	0.22	0.639	-0.26	0.08	0.776	0.00	0.04	0.851	
20	MC	2691	509	0.13	0.90	0.342	0.49	0.49	0.485	-0.01	0.28	0.599	
21	MC	2691	509	-0.14	1.69	0.193	0.78	1.39	0.238	-0.02	1.98	0.159	
22	MC	2691	509	-0.22	3.23	0.072	0.10	0.02	0.885	-0.01	0.22	0.642	
23	MC	2691	509	-0.22	1.73	0.189	1.50	3.53	0.060	-0.04	4.68	0.031	
24	MC	2691	509	0.58	10.41	0.001	-0.59	0.53	0.468	0.03	2.20	0.138	Uniform>
25	MC	2691	509	-0.31	4.72	0.030	0.60	0.63	0.429	-0.02	1.47	0.225	
26	MC	2691	509	-0.07	0.18	0.672	0.98	1.36	0.243	-0.02	1.62	0.203	
27	MC	2691	509	-0.06	0.37	0.544	-0.38	0.44	0.507	0.01	0.32	0.572	
28	MC	2706	512	0.13	0.13	0.722	-0.48	0.15	0.695	0.02	0.28	0.595	
29	MC	2706	512	-0.10	0.20	0.656	-0.60	0.45	0.500	0.01	0.34	0.559	
30	MC	2706	512	0.28	1.19	0.274	2.59	4.38	0.036	-0.06	3.52	0.061	
31	MC	2706	512	0.13	0.22	0.639	0.02	0.00	0.987	0.00	0.01	0.907	
32	MC	2706	512	-0.38	11.40	0.001	1.16	2.78	0.096	-0.03	5.01	0.025	Uniform<
33	MC	2706	512	-0.31	4.90	0.027	-0.02	0.00	0.974	-0.01	0.15	0.699	
34	MC	2706	512	-0.12	0.59	0.444	0.12	0.03	0.871	-0.01	0.11	0.739	
35	MC	2706	512	0.19	1.29	0.256	-0.96	1.42	0.233	0.02	2.16	0.141	
36	MC	2706	512	-0.18	2.21	0.137	0.37	0.28	0.597	-0.01	0.64	0.424	
37	MC	2706	512	-0.24	4.80	0.028	0.28	0.20	0.658	-0.01	0.68	0.409	
38	MC	2706	512	-0.04	0.12	0.730	1.57	5.85	0.016	-0.03	6.29	0.012	
39	MC	2939	501	0.35	1.03	0.311	-0.17	0.02	0.900	0.01	0.17	0.684	
40	MC	2939	501	0.28	2.47	0.116	2.13	5.45	0.020	-0.04	4.19	0.041	
41	MC	2939	501	0.26	2.39	0.122	1.05	1.52	0.217	-0.02	0.90	0.344	
42	MC	2939	501	0.29	4.87	0.027	-0.01	0.00	0.991	0.01	0.21	0.646	
43	MC	2939	501	0.00	0.00	0.996	0.86	1.35	0.245	-0.02	1.39	0.238	
44	MC	2939	501	0.24	1.48	0.223	1.76	3.09	0.079	-0.04	2.35	0.125	
45	MC	2939	501	-0.42	11.47	0.001	-0.15	0.05	0.817	-0.01	0.18	0.674	Uniform<
46	MC	2939	501	0.49	11.30	0.001	-0.82	1.21	0.270	0.03	3.22	0.073	Uniform>
47	MC	2939	501	-0.56	7.91	0.005	-1.03	1.40	0.237	0.01	0.31	0.577	Uniform<
48	MC	2939	501	-0.25	1.22	0.270	-1.21	1.59	0.208	0.02	1.08	0.299	
49	MC	2939	501	-0.31	8.19	0.004	0.71	1.31	0.252	-0.02	2.80	0.095	Uniform<

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.73: Logistic Regression DIF Results on Stage I Prereading Items for the FRL/Non-FRL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	2326	900	0.16	0.34	0.562	-0.20	0.05	0.829	0.01	0.17	0.682	Uniform<
2	MC	2326	900	-0.10	0.57	0.451	-0.65	1.34	0.247	0.01	1.03	0.310	
3	MC	2326	900	-0.38	11.40	0.001	-0.11	0.04	0.845	-0.01	0.24	0.624	
4	MC	9714	3370	-0.14	1.50	0.220	-0.25	0.39	0.535	0.00	0.08	0.778	
5	MC	2326	900	-0.25	2.60	0.107	-0.61	0.97	0.324	0.01	0.37	0.544	
6	MC	2326	900	-0.15	2.74	0.098	0.14	0.09	0.770	-0.01	0.38	0.540	Uniform<
7	MC	2326	900	-0.12	0.58	0.447	-0.35	0.30	0.581	0.01	0.14	0.705	
8	MC	9714	3370	-0.26	22.06	0.000	-0.37	2.12	0.145	0.00	0.19	0.665	
9	MC	2326	900	-0.04	0.17	0.677	0.37	0.67	0.412	-0.01	0.84	0.358	
10	MC	2326	900	0.05	0.13	0.720	-0.46	0.56	0.452	0.01	0.75	0.385	
11	MC	9714	3370	-0.08	2.74	0.098	0.28	1.29	0.256	-0.01	2.22	0.136	Uniform<
12	MC	9714	3370	-0.17	9.82	0.002	0.03	0.01	0.920	0.00	0.54	0.462	
13	MC	9714	3370	-0.14	5.30	0.021	-0.20	0.51	0.473	0.00	0.05	0.818	
14	MC	2326	900	0.03	0.15	0.694	0.02	0.00	0.965	0.00	0.00	0.980	
15	MC	2326	900	-0.12	1.22	0.269	0.11	0.04	0.837	0.00	0.18	0.668	
16	MC	2326	900	0.05	0.16	0.690	0.71	1.76	0.184	-0.01	1.61	0.204	Uniform<
17	MC	2390	810	0.04	0.02	0.884	1.03	1.16	0.281	-0.03	1.13	0.287	
18	MC	2390	810	-0.29	5.97	0.015	-0.25	0.21	0.648	0.00	0.00	0.944	
19	MC	2390	810	0.15	1.01	0.316	-0.30	0.21	0.645	0.01	0.50	0.478	
20	MC	2390	810	-0.10	0.82	0.364	0.72	1.68	0.194	-0.02	2.29	0.130	
21	MC	2390	810	-0.12	1.72	0.190	-0.22	0.19	0.659	0.00	0.04	0.836	Uniform<
22	MC	2390	810	-0.51	23.89	0.000	-0.47	0.77	0.379	0.00	0.01	0.944	
23	MC	2390	810	-0.22	2.76	0.097	-0.52	0.82	0.365	0.01	0.29	0.593	
24	MC	2390	810	-0.07	0.21	0.644	-0.94	2.03	0.154	0.02	1.86	0.173	
25	MC	2390	810	-0.28	6.13	0.013	0.16	0.08	0.775	-0.01	0.65	0.422	
26	MC	2390	810	-0.23	2.50	0.114	-0.39	0.42	0.519	0.00	0.08	0.783	NonUniform
27	MC	2390	810	-0.13	2.31	0.129	1.05	5.21	0.022	-0.02	6.82	0.009	
28	MC	2308	910	-0.20	0.59	0.441	-0.83	1.03	0.310	0.02	0.67	0.414	
29	MC	2308	910	-0.10	0.44	0.507	0.76	1.44	0.230	-0.02	1.96	0.161	
30	MC	2308	910	-0.85	15.93	0.000	-1.95	7.14	0.008	0.03	2.54	0.111	
31	MC	2308	910	-0.03	0.02	0.887	-0.33	0.24	0.625	0.01	0.22	0.639	Uniform<
32	MC	2308	910	0.11	1.77	0.183	-0.57	1.65	0.199	0.01	2.47	0.116	
33	MC	2308	910	-0.01	0.01	0.907	0.32	0.40	0.526	-0.01	0.45	0.502	
34	MC	2308	910	-0.18	2.37	0.124	0.36	0.51	0.475	-0.01	1.23	0.267	
35	MC	2308	910	-0.04	0.09	0.767	-1.92	11.57	0.001	0.04	11.81	0.001	
36	MC	2308	910	0.01	0.02	0.882	0.18	0.14	0.708	0.00	0.12	0.724	Uniform<
37	MC	2308	910	-0.35	16.61	0.000	0.52	1.37	0.242	-0.02	4.00	0.045	
38	MC	2308	910	0.01	0.03	0.871	0.23	0.30	0.582	0.00	0.28	0.597	
39	MC	2690	750	-0.07	0.04	0.834	0.88	0.68	0.411	-0.02	0.82	0.365	
40	MC	2690	750	0.01	0.01	0.923	-0.12	0.03	0.856	0.00	0.04	0.833	
41	MC	2690	750	0.21	2.15	0.143	-0.65	1.08	0.298	0.02	1.99	0.159	Uniform<
42	MC	2690	750	-0.12	0.93	0.334	-0.29	0.29	0.589	-0.01	0.59	0.441	
43	MC	2690	750	-0.27	5.37	0.021	-0.40	0.50	0.479	0.00	0.05	0.815	
44	MC	2690	750	-0.23	1.67	0.196	-0.21	0.08	0.775	0.00	0.00	0.983	
45	MC	2690	750	-0.29	8.00	0.005	0.67	1.73	0.188	-0.02	3.65	0.056	
46	MC	2690	750	0.07	0.32	0.572	0.23	0.13	0.720	0.00	0.06	0.802	
47	MC	2690	750	0.04	0.08	0.782	0.19	0.09	0.761	0.00	0.06	0.804	
48	MC	2690	750	-0.24	1.67	0.196	-0.24	0.11	0.744	0.00	0.00	0.998	
49	MC	2690	750	-0.17	3.48	0.062	0.50	1.10	0.294	-0.01	2.05	0.152	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.74: Logistic Regression DIF Results on Stage I Prewriting Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
50	SA2	1330	1364	0.39	1.94	0.164	1.32	1.90	0.168	-0.02	1.06	0.304	Uniform>
51	SA2	1330	1364	0.26	3.74	0.053	0.00	0.00	0.999	0.01	0.21	0.649	
52	SA2	1330	1364	0.50	36.35	0.000	1.56	10.27	0.001	-0.02	4.89	0.027	
53	SA2	1330	1364	0.21	6.11	0.013	1.01	3.50	0.061	-0.02	2.25	0.134	Uniform>
54	SA2	1330	1364	0.09	1.12	0.291	0.90	4.15	0.042	-0.02	3.47	0.062	
55	SA2	5481	5549	0.21	25.03	0.000	0.11	0.23	0.628	0.00	0.22	0.639	
56	SA2	1330	1364	0.03	0.12	0.733	-0.22	0.19	0.665	0.01	0.25	0.614	Uniform>
57	SA2	1330	1364	0.20	4.08	0.043	0.61	1.39	0.239	-0.01	0.65	0.421	
58	SA2	1330	1364	0.10	1.21	0.271	0.65	1.83	0.176	-0.01	1.34	0.246	
59	SA1	5481	5549	0.02	0.27	0.603	-0.32	1.51	0.219	0.01	1.77	0.184	Uniform>
60	SA1	1330	1364	-0.08	0.97	0.324	0.14	0.07	0.785	0.00	0.19	0.665	
61	SA1	1330	1364	0.09	1.13	0.289	0.30	0.40	0.526	0.00	0.20	0.654	
62	SA2	1330	1364	0.18	5.04	0.025	0.57	1.11	0.293	-0.01	0.52	0.473	Uniform>
63	SA2	5481	5549	0.18	19.26	0.000	0.68	6.26	0.012	-0.01	3.46	0.063	
64	SA3	1330	1364	0.28	12.98	0.000	1.02	3.51	0.061	-0.01	1.87	0.172	
65	SA3	5481	5549	0.15	14.70	0.000	0.80	10.11	0.001	-0.01	6.84	0.009	NonUniform
66	SA2	1350	1341	0.06	0.17	0.679	1.04	2.87	0.090	-0.02	2.70	0.100	
67	SA2	1350	1341	0.29	5.68	0.017	0.37	0.48	0.486	0.00	0.03	0.871	
68	SA2	1350	1341	0.36	18.23	0.000	1.82	11.57	0.001	-0.03	7.63	0.006	NonUniform
69	SA2	1350	1341	0.28	9.50	0.002	1.59	7.02	0.008	-0.02	4.91	0.027	
70	SA2	1350	1341	0.06	0.50	0.481	0.82	3.54	0.060	-0.02	3.13	0.077	
71	SA2	1350	1341	-0.01	0.01	0.917	0.61	0.90	0.343	-0.01	0.98	0.323	NonUniform
72	SA2	1350	1341	-0.15	2.47	0.116	-0.45	0.78	0.379	0.01	0.37	0.544	
73	SA2	1350	1341	0.11	1.53	0.216	0.65	1.79	0.181	-0.01	1.27	0.260	
74	SA1	1350	1341	-0.17	3.41	0.065	-0.19	0.11	0.736	0.00	0.00	0.962	NonUniform
75	SA1	1350	1341	-0.01	0.02	0.887	-0.95	2.09	0.148	0.02	2.08	0.149	
76	SA2	1350	1341	0.23	7.74	0.005	1.69	10.27	0.001	-0.03	7.84	0.005	
77	SA3	1350	1341	0.15	3.58	0.059	1.14	5.67	0.017	-0.02	4.40	0.036	Uniform>
78	SA2	1347	1359	0.11	0.68	0.410	-0.65	1.30	0.254	0.02	1.90	0.168	
79	SA2	1347	1359	0.34	14.68	0.000	-0.28	0.40	0.525	0.01	2.11	0.147	
80	SA2	1347	1359	0.28	10.61	0.001	0.28	0.28	0.595	0.00	0.00	0.990	Uniform>
81	SA2	1347	1359	0.31	13.49	0.000	-0.16	0.09	0.768	0.01	0.81	0.368	
82	SA2	1347	1359	0.16	3.25	0.071	0.10	0.05	0.820	0.00	0.03	0.873	
83	SA2	1347	1359	-0.10	1.58	0.209	-0.03	0.01	0.932	0.00	0.03	0.864	Uniform>
84	SA2	1347	1359	0.07	0.44	0.508	0.27	0.22	0.641	0.00	0.12	0.728	
85	SA2	1347	1359	0.36	11.70	0.001	0.42	0.67	0.412	0.00	0.01	0.913	
86	SA1	1347	1359	-0.04	0.22	0.639	-0.54	0.86	0.354	0.01	0.75	0.387	Uniform>
87	SA1	1347	1359	0.00	0.00	0.999	0.21	0.26	0.613	0.00	0.27	0.607	
88	SA2	1347	1359	0.10	1.40	0.237	1.15	4.65	0.031	-0.02	3.97	0.046	
89	SA3	1347	1359	0.12	2.24	0.134	-0.12	0.04	0.834	0.00	0.18	0.668	Uniform>
90	SA2	1454	1485	0.50	11.12	0.001	1.25	3.94	0.047	-0.02	1.52	0.217	
91	SA2	1454	1485	0.31	13.64	0.000	-0.09	0.05	0.830	0.01	0.91	0.341	
92	SA2	1454	1485	0.31	15.00	0.000	0.50	1.06	0.304	0.00	0.16	0.691	Uniform>
93	SA2	1454	1485	0.12	1.31	0.252	1.31	3.10	0.078	-0.02	2.61	0.106	
94	SA2	1454	1485	-0.03	0.10	0.751	0.60	1.84	0.176	-0.01	2.08	0.149	
95	SA2	1454	1485	-0.12	1.26	0.262	0.77	2.05	0.152	-0.02	2.84	0.092	Uniform>
96	SA2	1454	1485	-0.06	0.31	0.575	-0.26	0.26	0.609	0.00	0.17	0.684	
97	SA2	1454	1485	-0.08	1.01	0.314	0.09	0.04	0.838	0.00	0.15	0.699	
98	SA1	1454	1485	0.02	0.04	0.842	-0.77	2.01	0.156	0.02	2.15	0.142	Uniform>
99	SA1	1454	1485	-0.06	0.62	0.432	0.35	0.37	0.545	-0.01	0.53	0.468	
100	SA2	1454	1485	0.11	1.74	0.187	0.07	0.02	0.895	0.00	0.01	0.942	
101	SA3	1454	1485	0.16	4.75	0.029	0.11	0.05	0.828	0.00	0.01	0.903	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.75: Logistic Regression DIF Results on Stage I Prewriting Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
50	SA2	2449	245	-0.41	0.43	0.510	0.19	0.01	0.919	-0.02	0.11	0.742	NonUniform
51	SA2	2449	245	0.27	1.37	0.241	-0.18	0.03	0.863	0.01	0.20	0.657	
52	SA2	2449	245	-0.16	1.26	0.261	2.40	6.73	0.009	-0.05	7.83	0.005	
53	SA2	2449	245	-0.17	1.39	0.238	1.56	2.46	0.117	-0.03	3.10	0.078	
54	SA2	2449	245	-0.01	0.01	0.940	1.03	1.38	0.239	-0.02	1.44	0.231	
55	SA2	9880	1150	0.18	6.59	0.010	0.64	2.83	0.093	-0.01	1.54	0.215	NonUniform
56	SA2	2449	245	0.17	0.90	0.342	0.03	0.00	0.972	0.00	0.02	0.885	
57	SA2	2449	245	0.33	3.56	0.059	1.10	1.14	0.285	-0.02	0.58	0.448	
58	SA2	2449	245	0.09	0.26	0.609	-0.65	0.54	0.460	0.01	0.72	0.395	
59	SA1	9880	1150	-0.15	5.15	0.023	1.23	6.67	0.010	-0.03	8.66	0.003	
60	SA1	2449	245	-0.41	7.82	0.005	0.78	0.62	0.429	-0.02	1.50	0.221	NonUniform
61	SA1	2449	245	-0.30	3.38	0.066	0.53	0.33	0.564	-0.02	0.83	0.361	
62	SA2	2449	245	0.14	0.97	0.326	2.07	4.03	0.045	-0.03	3.56	0.059	
63	SA2	9880	1150	0.06	0.75	0.387	-1.39	10.59	0.001	0.03	11.71	0.001	
64	SA3	2449	245	0.06	0.21	0.648	0.65	0.47	0.495	-0.01	0.39	0.533	
65	SA3	9880	1150	-0.12	3.55	0.060	-0.35	0.74	0.390	0.00	0.34	0.562	NonUniform
66	SA2	2415	276	0.13	0.28	0.599	0.86	0.85	0.355	-0.02	0.65	0.420	
67	SA2	2415	276	0.14	0.50	0.478	1.75	4.25	0.039	-0.03	3.62	0.057	
68	SA2	2415	276	-0.10	0.48	0.489	1.38	2.45	0.118	-0.03	2.86	0.091	
69	SA2	2415	276	-0.01	0.01	0.926	2.00	4.62	0.032	-0.04	4.78	0.029	
70	SA2	2415	276	-0.20	1.65	0.199	0.74	1.03	0.310	-0.02	1.69	0.194	NonUniform
71	SA2	2415	276	-0.38	2.27	0.132	0.91	0.56	0.454	-0.03	1.16	0.281	
72	SA2	2415	276	0.20	1.70	0.192	-0.80	0.99	0.320	0.02	1.60	0.205	
73	SA2	2415	276	0.02	0.03	0.871	-2.14	8.76	0.003	0.04	9.33	0.002	
74	SA1	2415	276	-0.11	0.54	0.461	2.62	5.60	0.018	-0.05	6.32	0.012	
75	SA1	2415	276	-0.26	3.13	0.077	-0.43	0.18	0.673	0.00	0.03	0.861	NonUniform
76	SA2	2415	276	-0.05	0.15	0.699	-2.38	8.83	0.003	0.04	8.61	0.003	
77	SA3	2415	276	-0.20	2.44	0.119	-1.56	4.27	0.039	0.03	3.32	0.068	
78	SA2	2392	314	-0.07	0.09	0.763	-0.45	0.19	0.667	0.01	0.14	0.710	
79	SA2	2392	314	0.06	0.20	0.655	0.13	0.03	0.863	0.00	0.01	0.929	
80	SA2	2392	314	-0.16	1.50	0.220	-0.83	0.90	0.342	0.01	0.60	0.440	Uniform<
81	SA2	2392	314	-0.09	0.49	0.482	1.97	4.69	0.030	-0.04	5.25	0.022	
82	SA2	2392	314	-0.41	6.19	0.013	0.35	0.19	0.664	-0.02	0.90	0.342	
83	SA2	2392	314	-0.18	1.80	0.180	-0.24	0.12	0.733	0.00	0.01	0.929	
84	SA2	2392	314	0.18	1.00	0.317	-1.15	1.49	0.222	0.03	2.06	0.151	
85	SA2	2392	314	0.15	0.74	0.389	1.06	1.22	0.269	-0.02	0.91	0.341	Uniform<
86	SA1	2392	314	-0.09	0.44	0.507	1.30	1.61	0.204	-0.02	1.90	0.169	
87	SA1	2392	314	0.09	0.42	0.516	-1.23	3.00	0.083	0.03	3.56	0.059	
88	SA2	2392	314	0.01	0.00	0.966	0.47	0.28	0.594	-0.01	0.28	0.594	
89	SA3	2392	314	-0.35	8.23	0.004	-0.56	0.44	0.509	0.00	0.06	0.801	
90	SA2	2624	315	0.30	1.87	0.171	-0.94	0.93	0.336	0.03	1.74	0.187	Uniform<
91	SA2	2624	315	-0.08	0.34	0.562	0.49	0.45	0.500	-0.01	0.63	0.427	
92	SA2	2624	315	-0.10	0.63	0.428	1.42	2.77	0.096	-0.03	3.26	0.071	
93	SA2	2624	315	-0.27	3.22	0.073	-1.01	0.78	0.378	0.01	0.42	0.519	
94	SA2	2624	315	-0.11	0.50	0.479	1.50	3.65	0.056	-0.03	4.29	0.038	
95	SA2	2624	315	-0.48	5.41	0.020	0.98	0.89	0.345	-0.03	2.01	0.157	Uniform<
96	SA2	2624	315	-0.16	0.88	0.349	0.07	0.01	0.940	-0.01	0.07	0.793	
97	SA2	2624	315	0.01	0.00	0.969	0.25	0.10	0.748	0.00	0.10	0.751	
98	SA1	2624	315	0.01	0.01	0.917	1.56	2.47	0.116	-0.03	2.48	0.115	
99	SA1	2624	315	-0.11	0.71	0.398	-0.56	0.38	0.537	0.01	0.25	0.617	
100	SA2	2624	315	-0.02	0.03	0.863	-0.75	0.79	0.374	0.01	0.76	0.383	Uniform<
101	SA3	2624	315	-0.04	0.11	0.738	-0.36	0.20	0.656	0.01	0.16	0.690	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.76: Logistic Regression DIF Results on Stage I Prewriting Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
50	SA2	68	2626	0.37	0.12	0.724	-177.61	0.22	0.638	6.02	0.21	0.643	
51	SA2	68	2626	-0.62	3.24	0.072	-0.87	0.25	0.615	0.01	0.02	0.882	
52	SA2	68	2626	-0.10	0.16	0.692	-3.72	4.35	0.037	0.07	4.18	0.041	
53	SA2	68	2626	0.35	1.80	0.180	-2.48	1.72	0.190	0.05	2.31	0.129	
54	SA2	68	2626	0.02	0.00	0.945	0.77	0.30	0.585	-0.02	0.29	0.588	
55	SA2	632	10398	0.09	1.06	0.304	0.02	0.00	0.961	0.00	0.02	0.889	
56	SA2	68	2626	-0.01	0.00	0.977	-0.67	0.16	0.687	0.01	0.16	0.685	
57	SA2	68	2626	-0.45	2.44	0.119	0.07	0.00	0.966	-0.01	0.11	0.739	
58	SA2	68	2626	-0.24	0.73	0.394	-0.49	0.10	0.754	0.01	0.03	0.870	
59	SA1	632	10398	0.04	0.24	0.622	-0.57	0.92	0.337	0.01	1.10	0.295	
60	SA1	68	2626	-0.14	0.29	0.588	-1.09	0.38	0.540	0.02	0.29	0.590	
61	SA1	68	2626	0.40	1.92	0.165	2.18	2.22	0.136	-0.04	1.58	0.209	
62	SA2	68	2626	-0.07	0.08	0.773	-0.56	0.11	0.737	0.01	0.09	0.768	
63	SA2	632	10398	-0.32	13.89	0.000	-0.44	0.52	0.469	0.00	0.04	0.851	Uniform<
64	SA3	68	2626	-0.87	11.19	0.001	-3.26	2.34	0.126	0.04	1.29	0.256	Uniform<
65	SA3	632	10398	-0.25	8.79	0.003	0.56	1.04	0.307	-0.02	2.22	0.136	Uniform<
66	SA2	171	2520	-0.03	0.01	0.906	0.48	0.17	0.680	-0.01	0.21	0.648	
67	SA2	171	2520	0.35	1.69	0.194	-0.84	0.54	0.460	0.03	1.09	0.297	
68	SA2	171	2520	0.16	0.84	0.361	-2.38	4.96	0.026	0.05	5.74	0.017	
69	SA2	171	2520	0.10	0.30	0.587	0.81	0.51	0.475	-0.01	0.40	0.525	
70	SA2	171	2520	0.21	1.29	0.257	0.30	0.12	0.729	0.00	0.01	0.912	
71	SA2	171	2520	-0.08	0.10	0.756	-5.40	5.38	0.020	0.12	5.11	0.024	
72	SA2	171	2520	-0.12	0.42	0.519	-0.80	0.49	0.482	0.01	0.37	0.545	
73	SA2	171	2520	0.17	0.84	0.360	-1.03	0.83	0.363	0.02	1.13	0.287	
74	SA1	171	2520	0.22	1.51	0.219	0.54	0.26	0.613	-0.01	0.09	0.761	
75	SA1	171	2520	0.28	2.40	0.122	0.11	0.01	0.931	0.00	0.02	0.894	
76	SA2	171	2520	-0.56	11.00	0.001	0.29	0.07	0.785	-0.02	0.65	0.421	Uniform<
77	SA3	171	2520	-0.37	5.44	0.020	0.65	0.45	0.502	-0.02	1.11	0.291	
78	SA2	145	2561	0.62	2.44	0.118	-2.74	2.05	0.152	0.08	2.89	0.089	
79	SA2	145	2561	-0.22	1.32	0.251	-0.99	0.74	0.390	0.02	0.46	0.496	
80	SA2	145	2561	0.01	0.00	0.962	-0.53	0.15	0.698	0.01	0.16	0.690	
81	SA2	145	2561	-0.11	0.32	0.569	1.83	2.30	0.129	-0.04	2.62	0.106	
82	SA2	145	2561	0.13	0.41	0.524	0.73	0.41	0.525	-0.01	0.28	0.594	
83	SA2	145	2561	-0.13	0.51	0.473	0.24	0.05	0.815	-0.01	0.13	0.720	
84	SA2	145	2561	-0.12	0.27	0.604	0.98	0.53	0.466	-0.02	0.69	0.407	
85	SA2	145	2561	-0.03	0.02	0.881	-0.94	0.47	0.495	0.02	0.44	0.505	
86	SA1	145	2561	-0.50	5.05	0.025	-1.26	0.56	0.453	0.01	0.21	0.646	
87	SA1	145	2561	-0.27	2.32	0.128	-1.24	1.18	0.277	0.02	0.74	0.390	
88	SA2	145	2561	-0.57	9.33	0.002	0.14	0.01	0.913	-0.01	0.32	0.574	Uniform<
89	SA3	145	2561	-0.42	5.83	0.016	-0.51	0.15	0.702	0.00	0.00	0.945	
90	SA2	248	2691	0.43	2.09	0.148	0.86	0.42	0.516	-0.01	0.11	0.739	
91	SA2	248	2691	-0.04	0.07	0.795	-0.15	0.03	0.853	0.00	0.02	0.890	
92	SA2	248	2691	-0.24	2.92	0.087	-0.14	0.02	0.877	0.00	0.01	0.906	
93	SA2	248	2691	-0.07	0.15	0.700	-1.82	1.67	0.197	0.03	1.58	0.209	
94	SA2	248	2691	0.04	0.05	0.824	-0.22	0.07	0.788	0.01	0.10	0.751	
95	SA2	248	2691	-0.21	1.31	0.252	-2.16	4.10	0.043	0.04	3.35	0.067	
96	SA2	248	2691	-0.43	6.49	0.011	-0.83	0.81	0.369	0.01	0.20	0.659	
97	SA2	248	2691	-0.52	14.15	0.000	-1.38	2.59	0.108	0.02	1.03	0.311	Uniform<
98	SA1	248	2691	-0.11	0.61	0.433	0.93	1.01	0.315	-0.02	1.30	0.254	
99	SA1	248	2691	-0.09	0.34	0.561	0.91	0.86	0.353	-0.02	1.05	0.305	
100	SA2	248	2691	-0.30	4.28	0.039	-0.55	0.33	0.565	0.01	0.07	0.786	
101	SA3	248	2691	-0.50	13.29	0.000	-0.13	0.02	0.886	-0.01	0.16	0.688	Uniform<

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.77: Logistic Regression DIF Results on Stage I Prewriting Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
50	SA2	140	2554	0.63	1.05	0.306	0.64	0.09	0.763	0.00	0.00	0.998	
51	SA2	140	2554	0.28	0.87	0.351	0.82	0.45	0.503	-0.01	0.21	0.644	
52	SA2	140	2554	0.08	0.16	0.686	-0.60	0.37	0.546	0.01	0.48	0.489	
53	SA2	140	2554	0.04	0.04	0.842	1.88	3.40	0.065	-0.04	3.32	0.068	
54	SA2	140	2554	-0.04	0.06	0.804	0.73	0.76	0.383	-0.02	0.89	0.345	
55	SA2	591	10439	-0.01	0.01	0.912	-0.19	0.21	0.646	0.00	0.20	0.656	
56	SA2	140	2554	-0.10	0.28	0.599	-0.50	0.26	0.612	0.01	0.17	0.683	
57	SA2	140	2554	0.31	2.23	0.135	-1.12	0.93	0.335	0.03	1.52	0.217	
58	SA2	140	2554	-0.05	0.06	0.802	-1.03	1.05	0.306	0.02	0.96	0.326	
59	SA1	591	10439	0.23	5.80	0.016	1.33	8.21	0.004	-0.02	5.85	0.016	
60	SA1	140	2554	0.26	1.90	0.168	1.69	3.18	0.074	-0.03	2.34	0.126	
61	SA1	140	2554	-0.09	0.23	0.631	-0.02	0.00	0.986	0.00	0.01	0.936	
62	SA2	140	2554	-0.03	0.03	0.868	0.15	0.02	0.893	0.00	0.03	0.869	
63	SA2	591	10439	-0.24	6.40	0.011	0.60	1.18	0.277	-0.02	2.36	0.125	
64	SA3	140	2554	-0.08	0.21	0.650	0.47	0.17	0.681	-0.01	0.24	0.623	
65	SA3	591	10439	-0.05	0.34	0.558	0.28	0.29	0.589	-0.01	0.42	0.517	
66	SA2	144	2547	0.17	0.35	0.553	-1.88	2.71	0.100	0.06	3.23	0.072	
67	SA2	144	2547	0.07	0.08	0.778	-3.31	9.58	0.002	0.08	9.40	0.002	NonUniform
68	SA2	144	2547	0.11	0.33	0.568	-2.70	6.92	0.009	0.06	7.71	0.005	NonUniform
69	SA2	144	2547	-0.04	0.04	0.839	-1.75	2.71	0.100	0.03	2.66	0.103	
70	SA2	144	2547	0.16	0.76	0.384	-0.10	0.02	0.896	0.01	0.12	0.726	
71	SA2	144	2547	-0.24	1.01	0.314	0.82	0.67	0.413	-0.03	1.18	0.277	
72	SA2	144	2547	0.22	1.31	0.252	1.03	1.37	0.242	-0.02	0.88	0.347	
73	SA2	144	2547	-0.28	2.39	0.122	-0.15	0.03	0.866	0.00	0.02	0.881	
74	SA1	144	2547	0.38	3.53	0.060	1.10	1.38	0.241	-0.01	0.62	0.432	
75	SA1	144	2547	0.26	1.49	0.222	1.18	0.97	0.324	-0.02	0.61	0.435	
76	SA2	144	2547	-0.14	0.54	0.460	1.44	2.08	0.149	-0.03	2.56	0.109	
77	SA3	144	2547	-0.05	0.08	0.783	-0.94	0.86	0.354	0.02	0.80	0.372	
78	SA2	154	2552	-0.42	2.98	0.084	-2.19	5.84	0.016	0.04	3.85	0.050	
79	SA2	154	2552	-0.10	0.28	0.598	-0.31	0.17	0.682	0.00	0.08	0.772	
80	SA2	154	2552	-0.10	0.27	0.600	-1.00	1.18	0.278	0.02	0.99	0.320	
81	SA2	154	2552	-0.21	1.18	0.278	-2.96	10.68	0.001	0.06	9.54	0.002	NonUniform
82	SA2	154	2552	-0.10	0.32	0.571	-1.27	2.49	0.115	0.03	2.17	0.141	
83	SA2	154	2552	0.37	4.37	0.037	-0.58	0.62	0.432	0.02	1.69	0.193	
84	SA2	154	2552	0.00	0.00	0.985	0.61	0.34	0.562	-0.01	0.35	0.554	
85	SA2	154	2552	-0.18	0.81	0.367	0.37	0.17	0.680	-0.01	0.39	0.530	
86	SA1	154	2552	0.31	2.42	0.120	0.15	0.02	0.882	0.00	0.02	0.879	
87	SA1	154	2552	0.28	2.37	0.124	-0.29	0.13	0.714	0.01	0.55	0.458	
88	SA2	154	2552	-0.24	1.67	0.197	0.67	0.44	0.508	-0.02	0.83	0.361	
89	SA3	154	2552	-0.05	0.09	0.768	-1.35	1.34	0.248	0.03	1.26	0.261	
90	SA2	153	2786	-0.24	0.81	0.369	1.83	2.24	0.135	-0.05	3.18	0.074	
91	SA2	153	2786	-0.32	3.48	0.062	-0.94	1.06	0.303	0.01	0.47	0.493	
92	SA2	153	2786	0.06	0.11	0.743	-0.13	0.02	0.900	0.00	0.03	0.854	
93	SA2	153	2786	0.12	0.19	0.662	-3.61	5.85	0.016	0.07	6.41	0.011	
94	SA2	153	2786	-0.05	0.08	0.778	-0.38	0.18	0.675	0.01	0.14	0.711	
95	SA2	153	2786	0.20	0.88	0.348	-1.20	1.04	0.309	0.03	1.42	0.234	
96	SA2	153	2786	0.20	0.94	0.333	-1.24	1.16	0.282	0.03	1.58	0.209	
97	SA2	153	2786	-0.16	0.87	0.351	-2.90	6.45	0.011	0.06	5.88	0.015	
98	SA1	153	2786	0.21	1.25	0.264	-0.10	0.01	0.931	0.01	0.07	0.789	
99	SA1	153	2786	-0.13	0.39	0.532	0.70	0.34	0.560	-0.02	0.48	0.488	
100	SA2	153	2786	-0.16	0.77	0.381	1.14	1.07	0.300	-0.03	1.43	0.231	
101	SA3	153	2786	-0.07	0.14	0.707	-1.11	0.92	0.337	0.02	0.84	0.359	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.78: Logistic Regression DIF Results on Stage I Prewriting Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NU}$	Wald $\chi^2$	p-value	$\beta_2^{NU}$	Wald $\chi^2$	p-value	
50	SA2	2113	581	-0.70	2.81	0.094	-0.66	0.26	0.613	0.00	0.00	0.971	
51	SA2	2113	581	0.26	2.74	0.098	-0.60	0.74	0.391	0.02	1.62	0.203	
52	SA2	2113	581	-0.16	2.67	0.103	-0.25	0.19	0.667	0.00	0.02	0.880	
53	SA2	2113	581	-0.07	0.42	0.519	-0.78	1.48	0.224	0.01	1.27	0.260	
54	SA2	2113	581	0.13	1.65	0.199	1.36	5.78	0.016	-0.02	4.82	0.028	
55	SA2	8720	2310	0.15	8.69	0.003	0.30	1.19	0.275	0.00	0.30	0.581	Uniform>
56	SA2	2113	581	0.18	2.33	0.127	0.80	1.60	0.206	-0.01	0.98	0.321	
57	SA2	2113	581	0.44	13.81	0.000	1.54	5.21	0.022	-0.02	2.72	0.099	Uniform>
58	SA2	2113	581	0.03	0.08	0.775	1.44	5.15	0.023	-0.03	5.00	0.025	
59	SA1	8720	2310	-0.09	2.92	0.087	0.57	3.01	0.083	-0.01	4.10	0.043	
60	SA1	2113	581	-0.24	5.62	0.018	0.34	0.28	0.596	-0.01	0.84	0.360	
61	SA1	2113	581	-0.22	4.32	0.038	0.18	0.09	0.760	-0.01	0.49	0.485	
62	SA2	2113	581	0.30	8.98	0.003	1.58	5.32	0.021	-0.02	3.58	0.058	Uniform>
63	SA2	8720	2310	0.16	10.52	0.001	-0.13	0.16	0.685	0.01	0.81	0.368	Uniform>
64	SA3	2113	581	0.11	1.44	0.230	0.64	0.93	0.334	-0.01	0.64	0.423	
65	SA3	8720	2310	0.14	8.91	0.003	0.40	1.60	0.206	0.00	0.68	0.411	Uniform>
66	SA2	2137	554	-0.12	0.39	0.535	-0.36	0.24	0.627	0.01	0.12	0.734	
67	SA2	2137	554	-0.12	0.58	0.448	0.16	0.06	0.807	-0.01	0.19	0.667	
68	SA2	2137	554	0.10	0.98	0.322	1.33	4.02	0.045	-0.02	3.51	0.061	
69	SA2	2137	554	0.09	0.63	0.428	0.73	1.01	0.316	-0.01	0.80	0.371	
70	SA2	2137	554	-0.19	2.73	0.098	0.29	0.29	0.588	-0.01	0.81	0.369	
71	SA2	2137	554	0.25	2.41	0.121	0.80	0.97	0.324	-0.01	0.47	0.493	
72	SA2	2137	554	0.34	9.07	0.003	0.06	0.01	0.926	0.01	0.21	0.644	Uniform>
73	SA2	2137	554	0.17	2.52	0.113	-0.61	1.10	0.295	0.02	1.86	0.173	
74	SA1	2137	554	-0.17	2.41	0.121	1.22	2.85	0.091	-0.03	3.81	0.051	
75	SA1	2137	554	-0.27	6.04	0.014	0.71	0.76	0.382	-0.02	1.48	0.224	
76	SA2	2137	554	0.13	1.56	0.212	-0.74	1.39	0.239	0.02	1.94	0.164	
77	SA3	2137	554	0.09	0.96	0.328	-0.30	0.26	0.611	0.01	0.46	0.500	
78	SA2	2146	560	0.19	1.17	0.278	0.58	0.66	0.417	-0.01	0.32	0.574	
79	SA2	2146	560	-0.06	0.29	0.591	0.40	0.50	0.481	-0.01	0.68	0.409	
80	SA2	2146	560	-0.06	0.33	0.565	-1.03	2.28	0.131	0.02	2.07	0.150	
81	SA2	2146	560	0.00	0.00	0.997	0.86	1.55	0.212	-0.02	1.59	0.207	
82	SA2	2146	560	-0.24	3.91	0.048	0.55	0.91	0.339	-0.02	1.92	0.165	
83	SA2	2146	560	0.02	0.05	0.825	0.63	1.40	0.237	-0.01	1.33	0.249	
84	SA2	2146	560	0.06	0.19	0.667	-1.23	2.88	0.090	0.03	3.28	0.070	
85	SA2	2146	560	0.11	0.65	0.420	1.15	2.66	0.103	-0.02	2.22	0.136	
86	SA1	2146	560	0.03	0.08	0.777	0.77	0.97	0.324	-0.01	0.92	0.338	
87	SA1	2146	560	0.23	5.03	0.025	0.15	0.07	0.786	0.00	0.02	0.884	
88	SA2	2146	560	0.14	1.81	0.179	0.81	1.29	0.256	-0.01	0.91	0.341	
89	SA3	2146	560	-0.12	1.61	0.204	0.79	1.21	0.271	-0.02	1.64	0.201	
90	SA2	2324	615	0.17	0.97	0.325	-0.12	0.03	0.870	0.01	0.17	0.684	
91	SA2	2324	615	-0.03	0.09	0.769	-0.07	0.02	0.889	0.00	0.01	0.934	
92	SA2	2324	615	-0.13	1.77	0.183	0.76	1.58	0.209	-0.02	2.22	0.136	
93	SA2	2324	615	-0.32	7.19	0.007	-1.44	2.80	0.094	0.02	1.71	0.191	Uniform<
94	SA2	2324	615	-0.09	0.72	0.396	0.60	1.21	0.271	-0.01	1.67	0.196	
95	SA2	2324	615	-0.05	0.13	0.716	0.94	1.91	0.167	-0.02	2.14	0.144	
96	SA2	2324	615	0.37	9.96	0.002	1.67	6.59	0.010	-0.03	4.02	0.045	Uniform>
97	SA2	2324	615	0.22	4.99	0.025	0.69	1.50	0.221	-0.01	0.71	0.398	
98	SA1	2324	615	0.15	2.15	0.142	0.93	1.80	0.180	-0.01	1.30	0.253	
99	SA1	2324	615	0.09	0.81	0.367	0.30	0.18	0.673	0.00	0.09	0.767	
100	SA2	2324	615	0.08	0.62	0.430	0.56	0.76	0.383	-0.01	0.58	0.447	
101	SA3	2324	615	0.11	1.36	0.243	-0.24	0.17	0.683	0.01	0.36	0.550	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.79: Logistic Regression DIF Results on Stage I Prewriting Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
50	SA2	2113	403	-0.80	2.27	0.131	-2.12	0.93	0.336	0.03	0.41	0.521	
51	SA2	2113	403	0.29	2.60	0.107	0.04	0.00	0.963	0.01	0.09	0.760	
52	SA2	2113	403	-0.11	0.97	0.325	-0.56	0.67	0.414	0.01	0.43	0.510	
53	SA2	2113	403	-0.05	0.17	0.680	-1.40	3.69	0.055	0.03	3.51	0.061	
54	SA2	2113	403	0.15	1.68	0.195	1.54	5.35	0.021	-0.03	4.43	0.035	
55	SA2	8720	1468	0.09	1.93	0.164	-0.07	0.04	0.840	0.00	0.21	0.643	
56	SA2	2113	403	0.23	2.99	0.084	1.62	4.55	0.033	-0.03	3.39	0.066	
57	SA2	2113	403	0.49	13.42	0.000	1.27	2.80	0.094	-0.02	1.08	0.298	Uniform>
58	SA2	2113	403	0.05	0.16	0.692	2.33	9.06	0.003	-0.05	8.72	0.003	NonUniform
59	SA1	8720	1468	0.00	0.00	0.966	0.91	4.87	0.027	-0.02	5.02	0.025	
60	SA1	2113	403	-0.16	1.81	0.178	0.42	0.32	0.571	-0.01	0.62	0.432	
61	SA1	2113	403	-0.14	1.24	0.265	0.21	0.09	0.759	-0.01	0.26	0.607	
62	SA2	2113	403	0.39	11.53	0.001	1.42	3.22	0.073	-0.02	1.73	0.189	Uniform>
63	SA2	8720	1468	0.27	20.43	0.000	0.90	4.54	0.033	-0.01	2.26	0.133	Uniform>
64	SA3	2113	403	0.15	1.83	0.177	1.16	2.19	0.139	-0.02	1.70	0.192	
65	SA3	8720	1468	0.36	40.07	0.000	1.18	8.63	0.003	-0.02	4.20	0.040	Uniform>
66	SA2	2137	354	-0.16	0.45	0.502	-1.41	1.72	0.190	0.03	1.47	0.225	
67	SA2	2137	354	-0.18	0.90	0.342	0.19	0.05	0.829	-0.01	0.18	0.671	
68	SA2	2137	354	0.22	3.12	0.077	1.66	3.53	0.060	-0.03	2.71	0.100	
69	SA2	2137	354	0.09	0.52	0.470	1.13	1.42	0.233	-0.02	1.22	0.269	
70	SA2	2137	354	-0.17	1.52	0.218	1.04	2.06	0.151	-0.02	2.83	0.092	
71	SA2	2137	354	0.53	7.99	0.005	1.54	2.16	0.142	-0.02	0.95	0.331	Uniform>
72	SA2	2137	354	0.34	6.15	0.013	0.55	0.47	0.491	0.00	0.07	0.788	
73	SA2	2137	354	0.21	2.59	0.108	0.96	1.47	0.225	-0.01	0.90	0.343	
74	SA1	2137	354	-0.16	1.61	0.204	1.20	1.78	0.182	-0.02	2.37	0.123	
75	SA1	2137	354	-0.27	4.43	0.035	0.75	0.58	0.447	-0.02	1.10	0.295	
76	SA2	2137	354	0.39	10.04	0.002	-0.15	0.03	0.853	0.01	0.46	0.495	Uniform>
77	SA3	2137	354	0.42	13.24	0.000	0.66	0.79	0.375	0.00	0.11	0.745	Uniform>
78	SA2	2146	314	0.36	2.93	0.087	1.35	2.10	0.147	-0.02	1.16	0.281	
79	SA2	2146	314	-0.10	0.45	0.504	1.42	3.09	0.079	-0.03	3.62	0.057	
80	SA2	2146	314	0.07	0.29	0.588	-1.24	1.92	0.166	0.02	2.19	0.139	
81	SA2	2146	314	0.06	0.23	0.633	0.51	0.31	0.577	-0.01	0.25	0.620	
82	SA2	2146	314	0.02	0.02	0.883	1.37	3.02	0.082	-0.03	2.97	0.085	
83	SA2	2146	314	0.10	0.56	0.456	1.03	2.01	0.156	-0.02	1.69	0.194	
84	SA2	2146	314	-0.09	0.22	0.639	-0.44	0.18	0.675	0.01	0.11	0.735	
85	SA2	2146	314	0.16	0.79	0.374	1.59	2.61	0.106	-0.03	2.16	0.142	
86	SA1	2146	314	0.05	0.13	0.716	0.06	0.00	0.949	0.00	0.00	0.990	
87	SA1	2146	314	0.18	1.85	0.174	-0.14	0.03	0.856	0.01	0.18	0.668	
88	SA2	2146	314	0.28	4.47	0.035	1.53	2.50	0.114	-0.02	1.71	0.191	
89	SA3	2146	314	0.06	0.24	0.623	1.44	2.23	0.135	-0.03	2.07	0.150	
90	SA2	2324	397	0.08	0.13	0.717	0.20	0.05	0.826	0.00	0.02	0.888	
91	SA2	2324	397	0.08	0.44	0.507	-0.21	0.11	0.738	0.01	0.22	0.639	
92	SA2	2324	397	-0.11	0.87	0.350	0.13	0.03	0.859	0.00	0.11	0.738	
93	SA2	2324	397	-0.32	4.93	0.026	-1.41	1.82	0.177	0.02	1.09	0.296	
94	SA2	2324	397	-0.08	0.41	0.520	0.33	0.25	0.615	-0.01	0.41	0.523	
95	SA2	2324	397	0.05	0.10	0.750	0.24	0.10	0.754	0.00	0.06	0.801	
96	SA2	2324	397	0.61	20.39	0.000	2.56	10.29	0.001	-0.04	6.06	0.014	Uniform>
97	SA2	2324	397	0.32	7.76	0.005	1.00	2.16	0.142	-0.01	1.02	0.313	Uniform>
98	SA1	2324	397	0.22	3.48	0.062	0.30	0.14	0.712	0.00	0.01	0.926	
99	SA1	2324	397	0.22	3.30	0.069	0.35	0.17	0.684	0.00	0.02	0.878	
100	SA2	2324	397	0.16	1.80	0.179	1.30	2.65	0.104	-0.02	2.09	0.148	
101	SA3	2324	397	0.32	7.96	0.005	0.18	0.06	0.808	0.00	0.03	0.852	Uniform>

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.80: Logistic Regression DIF Results on Stage I Prewriting Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
50	SA2	178	403	-0.25	0.09	0.764	-2.19	0.70	0.402	0.05	0.63	0.428	
51	SA2	178	403	0.08	0.07	0.795	1.68	1.63	0.201	-0.03	1.60	0.206	
52	SA2	178	403	0.18	0.83	0.363	-0.81	0.54	0.461	0.02	0.83	0.361	
53	SA2	178	403	0.08	0.15	0.696	-2.01	2.58	0.108	0.04	2.85	0.091	
54	SA2	178	403	0.05	0.05	0.817	0.59	0.29	0.589	-0.01	0.25	0.616	
55	SA2	842	1468	-0.17	3.41	0.065	-0.92	3.38	0.066	0.01	2.29	0.130	
56	SA2	178	403	0.16	0.44	0.506	2.35	4.13	0.042	-0.04	3.70	0.055	
57	SA2	178	403	0.20	0.69	0.407	-0.87	0.37	0.542	0.02	0.58	0.448	
58	SA2	178	403	0.04	0.03	0.868	2.57	4.77	0.029	-0.05	4.77	0.029	
59	SA1	842	1468	0.24	6.13	0.013	0.90	2.27	0.132	-0.01	1.26	0.261	
60	SA1	178	403	0.27	1.88	0.170	0.44	0.13	0.721	0.00	0.02	0.891	
61	SA1	178	403	0.31	1.98	0.159	0.24	0.04	0.833	0.00	0.00	0.948	
62	SA2	178	403	0.29	2.26	0.133	-0.36	0.07	0.792	0.01	0.23	0.632	
63	SA2	842	1468	0.28	9.78	0.002	2.60	19.22	0.000	-0.04	15.58	0.000	NonUniform
64	SA3	178	403	0.10	0.29	0.590	1.77	1.93	0.164	-0.03	1.74	0.187	
65	SA3	842	1468	0.64	51.06	0.000	2.20	14.60	0.000	-0.03	7.53	0.006	NonUniform
66	SA2	200	354	-0.11	0.11	0.743	-2.02	2.18	0.140	0.04	2.06	0.151	
67	SA2	200	354	-0.16	0.30	0.582	0.13	0.01	0.908	-0.01	0.07	0.797	
68	SA2	200	354	0.37	3.42	0.064	0.60	0.28	0.597	0.00	0.04	0.837	
69	SA2	200	354	0.03	0.02	0.886	0.90	0.49	0.484	-0.02	0.47	0.493	
70	SA2	200	354	0.06	0.07	0.786	1.57	2.69	0.101	-0.03	2.59	0.108	
71	SA2	200	354	0.91	6.97	0.008	1.08	0.51	0.477	0.00	0.01	0.911	Uniform>
72	SA2	200	354	-0.02	0.01	0.913	1.15	1.09	0.296	-0.02	1.17	0.279	
73	SA2	200	354	0.06	0.08	0.781	3.11	9.34	0.002	-0.06	9.28	0.002	NonUniform
74	SA1	200	354	0.03	0.02	0.889	-0.07	0.00	0.957	0.00	0.01	0.940	
75	SA1	200	354	-0.01	0.00	0.958	0.12	0.01	0.938	0.00	0.01	0.931	
76	SA2	200	354	0.73	14.44	0.000	1.37	1.44	0.230	-0.01	0.32	0.570	Uniform>
77	SA3	200	354	0.95	26.75	0.000	2.33	4.84	0.028	-0.03	1.74	0.188	Uniform>
78	SA2	246	314	0.42	1.75	0.186	1.54	1.38	0.241	-0.02	0.77	0.380	
79	SA2	246	314	-0.09	0.18	0.672	2.00	3.49	0.062	-0.04	3.95	0.047	
80	SA2	246	314	0.29	2.50	0.114	-0.47	0.14	0.705	0.01	0.39	0.533	
81	SA2	246	314	0.17	0.78	0.376	-0.91	0.45	0.504	0.02	0.64	0.423	
82	SA2	246	314	0.70	8.65	0.003	1.41	1.69	0.194	-0.01	0.44	0.508	Uniform>
83	SA2	246	314	0.19	1.03	0.311	0.82	0.71	0.399	-0.01	0.43	0.511	
84	SA2	246	314	-0.35	1.95	0.163	1.45	1.26	0.262	-0.04	1.97	0.160	
85	SA2	246	314	0.14	0.29	0.589	0.84	0.42	0.519	-0.02	0.30	0.587	
86	SA1	246	314	0.06	0.09	0.759	-1.57	1.16	0.282	0.03	1.27	0.260	
87	SA1	246	314	-0.12	0.41	0.521	-0.58	0.33	0.565	0.01	0.22	0.640	
88	SA2	246	314	0.32	2.93	0.087	1.52	1.36	0.243	-0.02	0.87	0.351	
89	SA3	246	314	0.42	5.86	0.016	1.23	0.92	0.338	-0.01	0.41	0.524	
90	SA2	218	397	-0.25	0.69	0.407	0.60	0.22	0.639	-0.02	0.47	0.493	
91	SA2	218	397	0.33	2.82	0.093	-0.24	0.06	0.802	0.01	0.36	0.546	
92	SA2	218	397	0.04	0.05	0.819	-1.66	2.19	0.139	0.03	2.37	0.124	
93	SA2	218	397	0.03	0.02	0.898	0.06	0.00	0.966	0.00	0.00	0.981	
94	SA2	218	397	0.02	0.01	0.928	-0.71	0.48	0.489	0.02	0.53	0.468	
95	SA2	218	397	0.33	1.43	0.232	-2.50	2.76	0.097	0.07	3.56	0.059	
96	SA2	218	397	0.82	10.63	0.001	2.55	4.43	0.035	-0.04	2.13	0.145	Uniform>
97	SA2	218	397	0.31	2.65	0.103	0.99	0.91	0.341	-0.01	0.44	0.505	
98	SA1	218	397	0.21	1.20	0.273	-1.72	1.59	0.207	0.04	2.05	0.152	
99	SA1	218	397	0.36	3.70	0.054	0.38	0.09	0.768	0.00	0.00	0.988	
100	SA2	218	397	0.23	1.46	0.226	2.12	3.23	0.072	-0.04	2.64	0.104	
101	SA3	218	397	0.61	12.32	0.000	1.35	1.56	0.211	-0.01	0.48	0.488	Uniform>

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.81: Logistic Regression DIF Results on Stage I Prewriting Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
50	SA2	11	403	10.63	0.00	0.987	11.81	0.00	0.991	-0.08	0.00	0.997	NonUniform
51	SA2	11	403	0.20	0.04	0.851	12.09	0.83	0.362	-0.22	0.94	0.331	
52	SA2	11	403	-0.03	0.00	0.967	-4.88	1.03	0.311	0.09	1.03	0.310	
53	SA2	11	403	-1.00	1.56	0.211	-19.09	0.70	0.404	0.31	0.66	0.417	
54	SA2	11	403	-0.01	0.00	0.989	1.38	0.12	0.725	-0.03	0.13	0.715	
55	SA2	71	1468	-0.50	3.92	0.048	-1.78	1.31	0.252	0.03	0.70	0.404	
56	SA2	11	403	-0.13	0.03	0.864	8.77	4.24	0.039	-0.17	4.81	0.028	
57	SA2	11	403	-0.20	0.08	0.774	-0.97	0.04	0.835	0.02	0.03	0.868	
58	SA2	11	403	-0.17	0.06	0.814	9.32	5.83	0.016	-0.19	7.10	0.008	
59	SA1	71	1468	-0.09	0.11	0.740	1.48	0.77	0.381	-0.03	0.88	0.349	
60	SA1	11	403	0.64	0.88	0.349	-23.89	0.36	0.549	0.52	0.35	0.554	Uniform>
61	SA1	11	403	0.23	0.10	0.752	-1.74	0.14	0.704	0.04	0.18	0.667	
62	SA2	11	403	-0.82	1.48	0.224	3.46	0.75	0.385	-0.08	1.13	0.288	
63	SA2	71	1468	0.33	1.69	0.193	3.68	5.36	0.021	-0.06	4.55	0.033	
64	SA3	11	403	0.34	0.32	0.573	1.45	0.14	0.704	-0.02	0.09	0.767	
65	SA3	71	1468	1.07	18.88	0.000	3.53	5.22	0.022	-0.05	2.54	0.111	
66	SA2	35	354	-0.05	0.01	0.934	-3.10	1.50	0.220	0.07	1.42	0.233	
67	SA2	35	354	-0.25	0.22	0.638	0.86	0.17	0.677	-0.02	0.30	0.585	
68	SA2	35	354	0.92	5.11	0.024	5.00	6.78	0.009	-0.08	4.68	0.030	
69	SA2	35	354	-0.25	0.34	0.560	6.69	10.44	0.001	-0.13	10.83	0.001	NonUniform
70	SA2	35	354	-0.21	0.28	0.596	1.34	0.59	0.444	-0.03	0.79	0.373	
71	SA2	35	354	2.39	6.46	0.011	-3.54	0.20	0.656	0.21	0.46	0.496	
72	SA2	35	354	-0.40	1.04	0.308	-2.46	0.74	0.389	0.04	0.53	0.468	
73	SA2	35	354	1.05	5.01	0.025	1.66	0.63	0.428	-0.01	0.09	0.767	
74	SA1	35	354	-0.07	0.03	0.868	3.91	3.71	0.054	-0.08	3.80	0.051	
75	SA1	35	354	-0.55	1.66	0.198	-4.38	0.78	0.376	0.07	0.61	0.434	
76	SA2	35	354	0.67	3.03	0.082	4.53	5.14	0.023	-0.07	3.78	0.052	
77	SA3	35	354	1.12	9.33	0.002	5.33	8.46	0.004	-0.08	5.32	0.021	
78	SA2	9	314	-0.10	0.01	0.930	6.46	0.77	0.380	-0.13	0.92	0.337	NonUniform
79	SA2	9	314	-1.21	2.82	0.093	-6.78	1.41	0.236	0.11	0.94	0.332	
80	SA2	9	314	-0.02	0.00	0.982	-8.96	1.59	0.207	0.17	1.55	0.213	
81	SA2	9	314	-0.67	0.73	0.392	-9.75	2.31	0.129	0.17	1.93	0.165	
82	SA2	9	314	1.20	1.12	0.290	7.38	1.25	0.264	-0.12	1.03	0.311	
83	SA2	9	314	-1.48	4.94	0.026	11.16	6.52	0.011	-0.24	8.83	0.003	
84	SA2	9	314	-0.96	1.38	0.240	5.91	1.82	0.177	-0.14	2.63	0.105	
85	SA2	9	314	-1.14	2.09	0.148	0.84	0.03	0.863	-0.04	0.17	0.683	
86	SA1	9	314	-1.17	1.16	0.282	-11.03	0.72	0.396	0.17	0.63	0.428	
87	SA1	9	314	0.70	0.72	0.398	-3.09	0.30	0.583	0.08	0.45	0.504	NonUniform
88	SA2	9	314	-0.30	0.16	0.690	0.16	0.00	0.975	-0.01	0.01	0.927	
89	SA3	9	314	0.39	0.33	0.565	-2.53	0.23	0.633	0.05	0.30	0.581	
90	SA2	16	397	12.88	0.00	0.983	11.73	0.00	0.978	-0.08	0.00	0.993	
91	SA2	16	397	0.67	1.04	0.308	-5.29	0.79	0.373	0.12	0.98	0.322	
92	SA2	16	397	-0.36	0.44	0.507	-10.69	2.09	0.148	0.20	1.96	0.161	
93	SA2	16	397	-0.48	0.40	0.528	-7.42	0.99	0.320	0.13	0.89	0.345	
94	SA2	16	397	-0.41	0.51	0.473	-5.82	1.14	0.285	0.11	1.00	0.318	
95	SA2	16	397	12.95	0.00	0.973	15.65	0.00	0.974	-0.13	0.00	0.988	
96	SA2	16	397	0.46	0.42	0.519	8.41	2.37	0.124	-0.16	2.29	0.130	NonUniform
97	SA2	16	397	-0.04	0.01	0.934	-0.63	0.02	0.889	0.01	0.02	0.897	
98	SA1	16	397	-0.59	1.06	0.302	0.93	0.04	0.850	-0.03	0.10	0.757	
99	SA1	16	397	1.20	4.63	0.031	-11.60	1.46	0.227	0.26	1.79	0.181	
100	SA2	16	397	-0.33	0.35	0.553	3.56	0.70	0.401	-0.08	0.85	0.358	
101	SA3	16	397	-0.06	0.01	0.913	0.42	0.01	0.921	-0.01	0.01	0.911	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.82: Logistic Regression DIF Results on Stage I Prewriting Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
50	SA2	2694	532	0.68	5.95	0.015	0.25	0.06	0.803	0.01	0.21	0.647	
51	SA2	2694	532	0.66	22.41	0.000	0.79	1.49	0.222	0.00	0.04	0.845	Uniform>
52	SA2	2694	532	0.54	28.89	0.000	0.88	2.01	0.157	-0.01	0.30	0.586	Uniform>
53	SA2	2694	532	0.23	4.87	0.027	1.21	2.94	0.086	-0.02	1.96	0.162	
54	SA2	2694	532	0.17	2.45	0.117	0.73	1.62	0.204	-0.01	1.00	0.318	
55	SA2	11030	2054	0.51	97.24	0.000	1.71	30.11	0.000	-0.02	15.30	0.000	NonUniform
56	SA2	2694	532	0.18	2.22	0.136	0.71	1.20	0.273	-0.01	0.70	0.404	
57	SA2	2694	532	0.31	6.73	0.009	0.37	0.32	0.574	0.00	0.01	0.928	Uniform>
58	SA2	2694	532	-0.02	0.02	0.892	0.98	2.25	0.134	-0.02	2.36	0.124	
59	SA1	11030	2054	0.00	0.00	0.950	1.13	9.27	0.002	-0.02	9.43	0.002	NonUniform
60	SA1	2694	532	-0.16	2.53	0.112	1.61	4.75	0.029	-0.03	5.90	0.015	
61	SA1	2694	532	-0.08	0.61	0.437	0.84	1.79	0.181	-0.02	2.23	0.135	
62	SA2	2694	532	0.31	9.46	0.002	2.73	12.38	0.000	-0.04	9.92	0.002	NonUniform
63	SA2	11030	2054	0.36	49.42	0.000	1.84	22.51	0.000	-0.03	14.90	0.000	NonUniform
64	SA3	2694	532	0.30	9.69	0.002	1.62	4.87	0.027	-0.02	3.30	0.069	Uniform>
65	SA3	11030	2054	0.32	41.96	0.000	1.48	17.49	0.000	-0.02	11.07	0.001	NonUniform
66	SA2	2691	509	0.61	13.97	0.000	1.62	4.43	0.035	-0.02	1.79	0.181	Uniform>
67	SA2	2691	509	0.75	33.95	0.000	0.03	0.00	0.969	0.01	1.31	0.252	Uniform>
68	SA2	2691	509	0.41	14.95	0.000	1.86	5.97	0.015	-0.03	3.70	0.054	Uniform>
69	SA2	2691	509	0.41	12.87	0.000	3.78	20.97	0.000	-0.06	17.03	0.000	NonUniform
70	SA2	2691	509	-0.21	3.10	0.078	0.45	0.52	0.472	-0.01	1.13	0.287	
71	SA2	2691	509	-0.01	0.00	0.974	-0.29	0.11	0.739	0.01	0.11	0.738	
72	SA2	2691	509	0.35	9.25	0.002	0.45	0.44	0.507	0.00	0.02	0.879	Uniform>
73	SA2	2691	509	0.11	0.93	0.334	1.17	2.96	0.085	-0.02	2.46	0.117	
74	SA1	2691	509	-0.23	4.80	0.028	-0.40	0.32	0.573	0.00	0.05	0.815	
75	SA1	2691	509	-0.02	0.05	0.826	0.07	0.01	0.936	0.00	0.01	0.913	
76	SA2	2691	509	0.18	3.04	0.081	3.17	16.10	0.000	-0.05	14.65	0.000	NonUniform
77	SA3	2691	509	0.46	22.38	0.000	2.24	10.82	0.001	-0.03	7.00	0.008	NonUniform
78	SA2	2706	512	0.61	15.58	0.000	0.76	1.15	0.284	0.00	0.05	0.826	Uniform>
79	SA2	2706	512	0.29	6.92	0.009	1.28	4.32	0.038	-0.02	2.66	0.103	Uniform>
80	SA2	2706	512	0.54	25.19	0.000	2.11	7.95	0.005	-0.03	4.50	0.034	Uniform>
81	SA2	2706	512	0.47	19.47	0.000	0.40	0.30	0.586	0.00	0.01	0.926	Uniform>
82	SA2	2706	512	0.16	1.75	0.186	2.01	9.59	0.002	-0.04	8.35	0.004	NonUniform
83	SA2	2706	512	0.36	12.92	0.000	0.13	0.06	0.814	0.00	0.18	0.672	Uniform>
84	SA2	2706	512	0.32	5.29	0.021	0.19	0.06	0.813	0.00	0.03	0.868	
85	SA2	2706	512	0.50	13.85	0.000	1.57	4.32	0.038	-0.02	2.06	0.151	Uniform>
86	SA1	2706	512	-0.04	0.11	0.746	1.70	3.84	0.050	-0.03	4.11	0.043	
87	SA1	2706	512	-0.11	1.03	0.310	1.50	5.33	0.021	-0.03	6.32	0.012	
88	SA2	2706	512	0.42	15.91	0.000	2.39	9.23	0.002	-0.04	6.41	0.011	Uniform>
89	SA3	2706	512	0.17	2.98	0.084	2.95	13.63	0.000	-0.05	12.36	0.000	NonUniform
90	SA2	2939	501	0.38	4.81	0.028	0.34	0.18	0.670	0.00	0.00	0.957	
91	SA2	2939	501	0.38	13.47	0.000	-0.87	2.32	0.128	0.02	4.99	0.026	Uniform>
92	SA2	2939	501	0.34	10.61	0.001	1.02	2.09	0.148	-0.01	0.96	0.328	Uniform>
93	SA2	2939	501	0.29	4.38	0.036	4.15	17.67	0.000	-0.07	15.67	0.000	NonUniform
94	SA2	2939	501	-0.69	24.13	0.000	1.23	2.88	0.090	-0.04	7.03	0.008	NonUniform
95	SA2	2939	501	0.15	1.02	0.312	0.78	1.03	0.310	-0.01	0.69	0.407	
96	SA2	2939	501	0.15	1.30	0.254	0.52	0.51	0.475	-0.01	0.26	0.610	
97	SA2	2939	501	-0.17	2.53	0.112	-0.15	0.05	0.820	0.00	0.00	0.965	
98	SA1	2939	501	0.04	0.16	0.687	1.55	3.56	0.059	-0.03	3.43	0.064	
99	SA1	2939	501	0.31	8.18	0.004	1.46	2.80	0.094	-0.02	1.78	0.182	Uniform>
100	SA2	2939	501	0.37	12.65	0.000	0.25	0.12	0.726	0.00	0.03	0.866	Uniform>
101	SA3	2939	501	0.24	6.11	0.013	1.92	7.03	0.008	-0.03	5.51	0.019	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.83: Logistic Regression DIF Results on Stage I Prewriting Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
50	SA2	2326	900	-0.53	3.44	0.064	-0.49	0.27	0.606	0.00	0.00	0.970	
51	SA2	2326	900	-0.12	0.78	0.378	-0.98	2.99	0.084	0.02	2.48	0.116	
52	SA2	2326	900	-0.03	0.15	0.703	-0.15	0.10	0.754	0.00	0.06	0.803	
53	SA2	2326	900	0.03	0.12	0.727	0.79	2.16	0.141	-0.01	2.06	0.152	
54	SA2	2326	900	-0.14	2.53	0.111	0.08	0.03	0.863	0.00	0.25	0.619	
55	SA2	9714	3370	0.09	4.26	0.039	0.36	2.47	0.116	-0.01	1.43	0.232	
56	SA2	2326	900	0.04	0.15	0.696	-0.73	2.25	0.134	0.02	2.58	0.109	
57	SA2	2326	900	-0.11	1.22	0.270	-1.18	5.60	0.018	0.02	4.74	0.030	
58	SA2	2326	900	-0.01	0.02	0.877	-0.07	0.02	0.889	0.00	0.01	0.912	
59	SA1	9714	3370	-0.23	27.78	0.000	0.14	0.29	0.593	-0.01	1.98	0.159	Uniform<
60	SA1	2326	900	-0.16	3.49	0.062	1.11	4.04	0.044	-0.02	5.42	0.020	
61	SA1	2326	900	-0.22	6.05	0.014	0.75	2.40	0.121	-0.02	4.15	0.042	
62	SA2	2326	900	0.43	26.93	0.000	1.57	7.59	0.006	-0.02	4.07	0.044	Uniform>
63	SA2	9714	3370	0.23	28.89	0.000	0.62	4.60	0.032	-0.01	1.85	0.173	Uniform>
64	SA3	2326	900	0.43	28.63	0.000	1.68	8.50	0.004	-0.02	4.79	0.029	Uniform>
65	SA3	9714	3370	0.22	27.87	0.000	0.74	7.53	0.006	-0.01	3.85	0.050	Uniform>
66	SA2	2390	810	-0.06	0.17	0.677	-0.84	1.86	0.172	0.02	1.72	0.190	
67	SA2	2390	810	0.13	1.29	0.257	-0.42	0.65	0.421	0.01	1.19	0.276	
68	SA2	2390	810	-0.14	2.40	0.122	-0.18	0.10	0.747	0.00	0.00	0.944	
69	SA2	2390	810	0.02	0.05	0.828	-0.72	1.39	0.238	0.01	1.51	0.220	
70	SA2	2390	810	-0.04	0.21	0.644	0.91	3.91	0.048	-0.02	4.41	0.036	
71	SA2	2390	810	-0.12	0.67	0.412	-0.46	0.48	0.487	0.01	0.28	0.597	
72	SA2	2390	810	-0.05	0.28	0.595	-0.55	1.12	0.289	0.01	0.95	0.329	
73	SA2	2390	810	0.26	7.63	0.006	-0.18	0.13	0.715	0.01	0.79	0.373	Uniform>
74	SA1	2390	810	-0.17	3.63	0.057	1.06	3.17	0.075	-0.02	4.44	0.035	
75	SA1	2390	810	0.05	0.24	0.625	-1.07	2.67	0.102	0.02	2.95	0.086	
76	SA2	2390	810	0.06	0.56	0.455	-0.32	0.33	0.565	0.01	0.49	0.483	
77	SA3	2390	810	-0.01	0.01	0.906	0.13	0.07	0.797	0.00	0.08	0.780	
78	SA2	2308	910	0.11	0.67	0.414	-0.39	0.55	0.456	0.01	0.97	0.325	
79	SA2	2308	910	-0.08	0.72	0.395	-0.24	0.33	0.568	0.00	0.15	0.694	
80	SA2	2308	910	-0.07	0.64	0.422	-0.61	1.36	0.243	0.01	1.10	0.295	
81	SA2	2308	910	-0.04	0.20	0.658	0.32	0.38	0.540	-0.01	0.48	0.487	
82	SA2	2308	910	-0.44	20.06	0.000	-0.53	1.58	0.208	0.00	0.05	0.828	Uniform<
83	SA2	2308	910	0.04	0.28	0.596	-0.10	0.07	0.794	0.00	0.14	0.704	
84	SA2	2308	910	0.13	1.42	0.233	-0.85	2.36	0.124	0.02	3.26	0.071	
85	SA2	2308	910	0.04	0.11	0.744	-1.19	6.16	0.013	0.03	6.83	0.009	NonUniform
86	SA1	2308	910	-0.18	3.80	0.051	0.29	0.25	0.615	-0.01	0.67	0.413	
87	SA1	2308	910	-0.08	0.79	0.374	0.65	2.36	0.124	-0.01	3.08	0.079	
88	SA2	2308	910	0.01	0.00	0.953	-0.94	3.25	0.071	0.02	3.36	0.067	
89	SA3	2308	910	-0.06	0.48	0.489	0.40	0.50	0.480	-0.01	0.66	0.417	
90	SA2	2690	750	0.27	3.18	0.075	-0.09	0.02	0.892	0.01	0.33	0.564	
91	SA2	2690	750	-0.13	1.90	0.168	0.58	1.52	0.217	-0.01	2.35	0.125	
92	SA2	2690	750	-0.19	4.45	0.035	-0.62	1.38	0.241	0.01	0.68	0.408	
93	SA2	2690	750	-0.07	0.40	0.527	0.79	0.95	0.329	-0.02	1.16	0.281	
94	SA2	2690	750	0.09	0.76	0.385	0.98	3.82	0.051	-0.02	3.24	0.072	
95	SA2	2690	750	-0.01	0.01	0.921	0.47	0.61	0.434	-0.01	0.66	0.415	
96	SA2	2690	750	0.10	0.84	0.359	-1.43	7.13	0.008	0.03	8.47	0.004	NonUniform
97	SA2	2690	750	-0.12	1.61	0.205	0.07	0.02	0.887	0.00	0.14	0.707	
98	SA1	2690	750	-0.43	21.56	0.000	-0.68	1.37	0.242	0.00	0.19	0.665	Uniform<
99	SA1	2690	750	-0.05	0.25	0.616	0.90	1.86	0.173	-0.02	2.10	0.147	
100	SA2	2690	750	0.08	0.87	0.352	1.18	3.91	0.048	-0.02	3.45	0.063	
101	SA3	2690	750	0.22	6.80	0.009	0.91	2.62	0.105	-0.01	1.54	0.215	Uniform>

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.84: Logistic Regression DIF Results on Stage I Listening Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
102	MC	5481	5549	-0.20	1.36	0.243	-0.49	0.79	0.373	0.01	0.31	0.577	NonUniform
103	MC	1330	1364	-0.36	1.05	0.305	-0.66	0.34	0.561	0.01	0.08	0.783	
104	MC	1330	1364	-0.11	0.12	0.729	0.03	0.00	0.981	0.00	0.02	0.894	
105	MC	1330	1364	0.10	0.09	0.768	0.25	0.05	0.822	0.00	0.02	0.888	
106	MC	1330	1364	-0.28	8.08	0.004	-1.61	10.44	0.001	0.03	7.46	0.006	
107	MC	5481	5549	-0.04	0.75	0.388	-0.33	1.88	0.170	0.01	1.52	0.218	
108	MC	1330	1364	0.08	0.63	0.426	0.64	1.68	0.195	-0.01	1.34	0.247	
109	MC	1330	1364	0.10	0.66	0.415	-0.58	0.91	0.341	0.02	1.32	0.251	
110	MC	1330	1364	0.01	0.02	0.881	-1.00	3.71	0.054	0.02	3.93	0.047	
111	MC	1330	1364	-0.09	0.40	0.527	0.48	0.61	0.434	-0.01	0.91	0.340	
112	MC	1330	1364	-0.19	1.51	0.220	0.26	0.14	0.710	-0.01	0.45	0.502	
113	MC	1350	1341	-0.50	1.34	0.247	-0.92	0.46	0.500	0.01	0.10	0.748	
114	MC	1350	1341	0.20	0.52	0.472	0.66	0.46	0.497	-0.01	0.24	0.621	
115	MC	1350	1341	-0.06	0.17	0.684	1.07	2.95	0.086	-0.03	3.51	0.061	
116	MC	1350	1341	0.14	2.65	0.103	0.02	0.00	0.962	0.00	0.07	0.787	Uniform<
117	MC	1350	1341	-0.03	0.12	0.729	-0.88	2.85	0.091	0.02	2.73	0.098	
118	MC	1350	1341	0.06	0.29	0.593	-0.05	0.01	0.926	0.00	0.04	0.834	
119	MC	1350	1341	-0.05	0.30	0.581	-0.91	4.18	0.041	0.02	3.90	0.048	
120	MC	1350	1341	0.02	0.01	0.929	-0.05	0.01	0.943	0.00	0.01	0.924	
121	MC	1350	1341	-0.18	3.34	0.068	-0.72	1.89	0.169	0.01	1.09	0.297	
122	MC	1347	1359	-0.64	3.41	0.065	-0.86	0.66	0.417	0.01	0.05	0.829	
123	MC	1347	1359	-0.10	0.09	0.771	0.59	0.32	0.573	-0.02	0.48	0.487	
124	MC	1347	1359	0.04	0.17	0.678	-0.50	1.06	0.302	0.01	1.32	0.250	
125	MC	1347	1359	0.01	0.01	0.941	0.40	0.55	0.457	-0.01	0.56	0.454	
126	MC	1347	1359	-0.10	0.65	0.419	0.54	0.90	0.343	-0.01	1.35	0.245	
127	MC	1347	1359	0.21	3.91	0.048	-0.05	0.01	0.913	0.01	0.32	0.574	
128	MC	1347	1359	0.01	0.01	0.914	-1.05	3.30	0.069	0.02	3.57	0.059	
129	MC	1347	1359	-0.23	2.68	0.101	-0.39	0.45	0.503	0.00	0.08	0.772	
130	MC	1347	1359	-0.37	6.85	0.009	-1.05	3.04	0.081	0.02	1.36	0.243	Uniform<
131	MC	1454	1485	-0.34	1.06	0.304	0.43	0.15	0.700	-0.02	0.52	0.472	
132	MC	1454	1485	-0.04	0.01	0.926	1.19	0.82	0.367	-0.03	0.95	0.330	
133	MC	1454	1485	0.14	2.31	0.128	0.60	1.73	0.188	-0.01	1.07	0.301	
134	MC	1454	1485	-0.31	16.87	0.000	-0.95	5.50	0.019	0.01	2.58	0.108	
135	MC	1454	1485	0.21	3.25	0.071	1.44	7.23	0.007	-0.03	5.53	0.019	
136	MC	1454	1485	0.10	1.63	0.202	0.02	0.00	0.961	0.00	0.03	0.856	
137	MC	1454	1485	0.14	1.54	0.215	0.62	1.49	0.222	-0.01	0.95	0.330	
138	MC	1454	1485	-0.23	5.30	0.021	-0.60	1.29	0.255	0.01	0.49	0.482	
139	MC	1454	1485	-0.25	6.43	0.011	-0.47	0.92	0.337	0.00	0.21	0.646	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.85: Logistic Regression DIF Results on Stage I Listening Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
102	MC	9880	1150	0.01	0.00	0.978	1.08	1.42	0.233	-0.03	1.47	0.226	
103	MC	2449	245	1.20	6.05	0.014	1.90	1.32	0.251	-0.02	0.19	0.664	
104	MC	2449	245	0.09	0.02	0.891	3.04	2.08	0.150	-0.08	1.80	0.180	
105	MC	2449	245	0.81	2.45	0.118	4.19	4.16	0.041	-0.09	2.60	0.107	
106	MC	2449	245	0.10	0.32	0.573	-0.83	0.89	0.345	0.02	1.17	0.279	
107	MC	9880	1150	0.03	0.17	0.679	-0.02	0.00	0.965	0.00	0.01	0.903	
108	MC	2449	245	0.34	3.68	0.055	-0.67	0.61	0.436	0.02	1.43	0.231	
109	MC	2449	245	0.07	0.08	0.779	0.04	0.00	0.974	0.00	0.00	0.979	
110	MC	2449	245	-0.04	0.06	0.811	0.09	0.01	0.926	0.00	0.02	0.892	
111	MC	2449	245	0.11	0.16	0.690	-1.32	1.45	0.229	0.03	1.84	0.175	
112	MC	2449	245	0.21	0.49	0.482	0.66	0.23	0.633	-0.01	0.11	0.739	
113	MC	2415	276	-1.00	0.90	0.342	0.93	0.12	0.733	-0.07	0.45	0.502	
114	MC	2415	276	-0.03	0.00	0.954	-1.07	0.59	0.444	0.03	0.67	0.414	
115	MC	2415	276	-0.32	1.27	0.260	-0.88	0.76	0.385	0.01	0.34	0.558	
116	MC	2415	276	-0.01	0.01	0.940	0.90	1.50	0.221	-0.02	1.59	0.207	
117	MC	2415	276	0.39	6.18	0.013	-0.30	0.13	0.716	0.01	0.73	0.394	
118	MC	2415	276	0.47	8.02	0.005	1.19	2.05	0.152	-0.01	0.79	0.373	Uniform>
119	MC	2415	276	-0.24	2.39	0.122	0.27	0.14	0.708	-0.01	0.52	0.473	
120	MC	2415	276	0.30	1.13	0.289	-0.85	0.66	0.416	0.03	1.32	0.251	
121	MC	2415	276	-0.15	0.72	0.395	-0.27	0.10	0.755	0.00	0.02	0.889	
122	MC	2392	314	0.69	1.79	0.182	1.52	0.86	0.354	-0.02	0.28	0.599	
123	MC	2392	314	0.62	1.51	0.220	-0.05	0.00	0.976	0.02	0.20	0.657	
124	MC	2392	314	0.26	2.45	0.117	0.95	1.19	0.275	-0.01	0.65	0.421	
125	MC	2392	314	0.32	2.49	0.114	-0.26	0.08	0.772	0.01	0.44	0.508	
126	MC	2392	314	0.59	8.67	0.003	-0.59	0.41	0.524	0.02	1.70	0.192	Uniform>
127	MC	2392	314	0.07	0.15	0.700	2.64	7.33	0.007	-0.05	7.06	0.008	NonUniform
128	MC	2392	314	0.45	4.91	0.027	0.10	0.01	0.916	0.01	0.13	0.715	
129	MC	2392	314	-0.28	1.11	0.292	1.95	2.28	0.131	-0.05	2.99	0.084	
130	MC	2392	314	-0.46	2.83	0.093	-0.02	0.00	0.990	-0.01	0.15	0.696	
131	MC	2624	315	0.00	0.00	0.993	1.22	0.44	0.508	-0.04	0.45	0.503	
132	MC	2624	315	-0.33	0.19	0.662	0.68	0.09	0.764	-0.03	0.20	0.652	
133	MC	2624	315	0.12	0.67	0.414	-0.68	0.86	0.353	0.02	1.24	0.265	
134	MC	2624	315	0.22	3.46	0.063	0.42	0.38	0.538	0.00	0.08	0.772	
135	MC	2624	315	0.45	6.41	0.011	1.38	2.53	0.112	-0.02	1.20	0.274	
136	MC	2624	315	0.21	2.92	0.087	0.35	0.23	0.635	0.00	0.04	0.848	
137	MC	2624	315	0.22	1.61	0.205	0.44	0.28	0.598	0.00	0.07	0.789	
138	MC	2624	315	-0.27	2.35	0.125	0.03	0.00	0.977	-0.01	0.11	0.737	
139	MC	2624	315	-0.08	0.22	0.642	0.08	0.01	0.926	0.00	0.04	0.850	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group. Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.86: Logistic Regression DIF Results on Stage I Listening Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
102	MC	632	10398	0.01	0.00	0.978	-1.33	1.05	0.306	0.04	1.07	0.301	
103	MC	68	2626	-0.34	0.10	0.746	1.63	0.12	0.731	-0.05	0.20	0.658	
104	MC	68	2626	13.16	0.00	0.986	13.26	0.00	0.977	-0.10	0.00	0.992	
105	MC	68	2626	-0.21	0.04	0.842	-1.61	0.10	0.754	0.04	0.07	0.787	
106	MC	68	2626	0.41	1.51	0.219	0.25	0.02	0.885	0.00	0.01	0.923	
107	MC	632	10398	-0.09	0.85	0.358	0.24	0.20	0.651	-0.01	0.40	0.530	
108	MC	68	2626	0.53	1.99	0.158	1.76	0.92	0.337	-0.03	0.49	0.484	
109	MC	68	2626	0.56	1.47	0.225	0.35	0.02	0.881	0.00	0.01	0.925	
110	MC	68	2626	0.11	0.14	0.706	-1.92	1.07	0.301	0.04	1.22	0.270	
111	MC	68	2626	0.61	1.26	0.262	1.50	0.35	0.555	-0.02	0.13	0.715	
112	MC	68	2626	-0.34	0.60	0.440	-4.10	1.79	0.180	0.09	1.47	0.226	
113	MC	171	2520	-0.70	1.13	0.287	-3.61	2.86	0.091	0.09	1.73	0.189	
114	MC	171	2520	0.45	0.52	0.470	-0.48	0.07	0.788	0.03	0.29	0.592	
115	MC	171	2520	0.34	1.03	0.311	-0.04	0.00	0.974	0.01	0.10	0.758	
116	MC	171	2520	-0.09	0.29	0.589	-0.20	0.05	0.824	0.00	0.01	0.903	
117	MC	171	2520	-0.39	4.60	0.032	-2.92	5.12	0.024	0.05	3.89	0.048	
118	MC	171	2520	-0.10	0.24	0.627	1.84	3.88	0.049	-0.04	4.64	0.031	
119	MC	171	2520	0.30	2.38	0.123	-0.17	0.03	0.852	0.01	0.27	0.606	
120	MC	171	2520	-0.11	0.11	0.743	-1.25	0.56	0.454	0.03	0.48	0.487	
121	MC	171	2520	-0.09	0.21	0.647	-1.06	0.82	0.366	0.02	0.70	0.403	
122	MC	145	2561	-0.40	0.29	0.589	-3.21	0.95	0.329	0.07	0.68	0.410	
123	MC	145	2561	-0.33	0.20	0.655	-3.41	1.08	0.299	0.08	0.81	0.369	
124	MC	145	2561	-0.07	0.08	0.771	-0.03	0.00	0.981	0.00	0.00	0.977	
125	MC	145	2561	-0.17	0.38	0.539	-1.18	0.65	0.420	0.02	0.49	0.485	
126	MC	145	2561	0.04	0.02	0.880	-4.52	4.54	0.033	0.10	4.56	0.033	
127	MC	145	2561	-0.29	1.71	0.191	-1.30	1.01	0.315	0.02	0.63	0.429	
128	MC	145	2561	-0.03	0.01	0.921	-0.42	0.07	0.787	0.01	0.07	0.798	
129	MC	145	2561	-0.41	2.10	0.147	-0.50	0.11	0.738	0.00	0.00	0.949	
130	MC	145	2561	0.18	0.31	0.579	2.81	3.07	0.080	-0.06	2.97	0.085	
131	MC	248	2691	-0.23	0.17	0.679	2.64	1.47	0.226	-0.07	2.13	0.144	
132	MC	248	2691	0.14	0.04	0.846	2.10	0.46	0.499	-0.05	0.47	0.494	
133	MC	248	2691	0.19	1.26	0.262	0.09	0.01	0.918	0.00	0.01	0.903	
134	MC	248	2691	0.12	0.74	0.390	0.07	0.01	0.927	0.00	0.00	0.946	
135	MC	248	2691	-0.11	0.30	0.582	-0.51	0.27	0.601	0.01	0.17	0.678	
136	MC	248	2691	-0.20	2.20	0.138	-0.59	0.53	0.467	0.01	0.24	0.627	
137	MC	248	2691	-0.06	0.11	0.745	1.83	3.81	0.051	-0.04	4.43	0.035	
138	MC	248	2691	0.26	1.84	0.175	-0.26	0.07	0.789	0.01	0.29	0.591	
139	MC	248	2691	0.46	5.56	0.018	0.18	0.03	0.853	0.01	0.09	0.761	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.87: Logistic Regression DIF Results on Stage I Listening Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
102	MC	591	10439	0.55	2.32	0.127	0.89	0.69	0.408	-0.01	0.12	0.733	NonUniform
103	MC	140	2554	0.46	0.37	0.543	-7.65	2.30	0.129	0.31	2.07	0.150	
104	MC	140	2554	0.59	0.62	0.430	1.08	0.18	0.673	-0.01	0.04	0.839	
105	MC	140	2554	0.58	0.59	0.443	-2.56	0.88	0.349	0.10	1.19	0.274	
106	MC	140	2554	-0.04	0.04	0.839	0.97	1.13	0.288	-0.02	1.30	0.254	
107	MC	591	10439	0.15	2.53	0.112	1.50	12.68	0.000	-0.03	10.83	0.001	
108	MC	140	2554	-0.10	0.23	0.634	0.26	0.08	0.784	-0.01	0.15	0.696	
109	MC	140	2554	0.37	1.99	0.159	-1.02	0.53	0.466	0.03	1.01	0.315	
110	MC	140	2554	0.37	3.39	0.066	2.55	8.21	0.004	-0.05	6.39	0.012	
111	MC	140	2554	0.30	1.10	0.293	0.00	0.00	1.000	0.01	0.06	0.806	
112	MC	140	2554	0.08	0.08	0.782	0.08	0.00	0.954	0.00	0.00	0.998	
113	MC	144	2547	0.32	0.17	0.682	-2.30	0.78	0.377	0.10	0.93	0.334	
114	MC	144	2547	-0.31	0.53	0.467	1.24	0.88	0.348	-0.04	1.64	0.201	
115	MC	144	2547	0.15	0.27	0.602	1.60	2.48	0.115	-0.04	2.35	0.125	
116	MC	144	2547	0.03	0.02	0.889	0.36	0.23	0.631	-0.01	0.21	0.645	Uniform>
117	MC	144	2547	0.33	2.52	0.112	0.37	0.15	0.695	0.00	0.00	0.971	
118	MC	144	2547	-0.25	1.48	0.224	0.77	0.89	0.344	-0.02	1.70	0.193	
119	MC	144	2547	0.03	0.02	0.881	0.07	0.01	0.932	0.00	0.00	0.960	
120	MC	144	2547	-0.25	0.74	0.389	1.62	2.49	0.114	-0.05	3.70	0.054	
121	MC	144	2547	-0.28	1.94	0.164	-0.09	0.01	0.919	0.00	0.04	0.837	
122	MC	154	2552	0.02	0.00	0.967	-0.50	0.11	0.738	0.02	0.14	0.710	
123	MC	154	2552	0.38	0.35	0.555	0.20	0.02	0.902	0.01	0.01	0.904	
124	MC	154	2552	-0.08	0.13	0.713	-0.81	0.80	0.373	0.02	0.68	0.408	
125	MC	154	2552	0.18	0.51	0.474	0.74	0.68	0.410	-0.01	0.42	0.516	
126	MC	154	2552	0.35	1.77	0.183	1.98	4.77	0.029	-0.04	3.62	0.057	
127	MC	154	2552	0.05	0.06	0.810	-0.64	0.50	0.479	0.02	0.62	0.432	
128	MC	154	2552	0.35	1.81	0.179	1.13	1.37	0.241	-0.02	0.72	0.397	
129	MC	154	2552	0.18	0.47	0.492	-0.19	0.03	0.863	0.01	0.12	0.726	
130	MC	154	2552	0.05	0.03	0.855	-1.33	1.14	0.286	0.04	1.26	0.262	Uniform>
131	MC	153	2786	1.39	1.83	0.177	8.17	2.30	0.129	-0.17	2.27	0.132	
132	MC	153	2786	0.86	0.70	0.403	6.39	1.40	0.236	-0.13	1.39	0.238	
133	MC	153	2786	0.17	0.79	0.374	1.33	2.03	0.154	-0.03	1.63	0.202	
134	MC	153	2786	0.61	11.75	0.001	-1.37	2.13	0.145	0.04	4.54	0.033	
135	MC	153	2786	-0.23	1.08	0.298	-1.00	0.84	0.358	0.02	0.51	0.473	
136	MC	153	2786	0.15	0.74	0.391	2.05	5.93	0.015	-0.04	5.30	0.021	
137	MC	153	2786	-0.24	1.26	0.261	1.05	1.13	0.288	-0.03	1.82	0.178	
138	MC	153	2786	-0.27	1.89	0.169	-0.40	0.14	0.712	0.00	0.01	0.904	
139	MC	153	2786	0.06	0.08	0.774	-0.22	0.05	0.830	0.01	0.08	0.783	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.88: Logistic Regression DIF Results on Stage I Listening Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
102	MC	8720	2310	-0.17	0.57	0.451	0.92	1.69	0.194	-0.03	2.50	0.114	
103	MC	2113	581	0.42	1.07	0.302	2.33	2.84	0.092	-0.05	1.98	0.159	
104	MC	2113	581	0.02	0.00	0.956	0.80	0.38	0.538	-0.02	0.39	0.535	
105	MC	2113	581	0.57	2.25	0.133	1.20	0.94	0.333	-0.02	0.29	0.593	
106	MC	2113	581	0.06	0.21	0.645	0.03	0.00	0.962	0.00	0.00	0.965	
107	MC	8720	2310	0.02	0.17	0.677	0.32	1.12	0.290	-0.01	1.00	0.318	
108	MC	2113	581	-0.08	0.35	0.553	-0.41	0.47	0.494	0.01	0.33	0.567	
109	MC	2113	581	0.20	1.70	0.193	-0.24	0.10	0.747	0.01	0.38	0.540	
110	MC	2113	581	-0.11	1.07	0.302	-0.03	0.00	0.963	0.00	0.02	0.891	
111	MC	2113	581	-0.21	1.35	0.246	-0.30	0.15	0.695	0.00	0.01	0.905	
112	MC	2113	581	-0.10	0.25	0.619	-0.05	0.00	0.955	0.00	0.00	0.952	
113	MC	2137	554	-0.19	0.11	0.744	1.47	0.76	0.382	-0.05	0.99	0.321	
114	MC	2137	554	-0.27	0.54	0.461	-0.22	0.03	0.853	0.00	0.00	0.963	
115	MC	2137	554	-0.14	0.54	0.461	0.19	0.06	0.802	-0.01	0.20	0.652	
116	MC	2137	554	0.04	0.17	0.676	0.91	2.78	0.095	-0.02	2.62	0.106	
117	MC	2137	554	0.13	1.19	0.275	0.26	0.17	0.682	0.00	0.04	0.835	
118	MC	2137	554	0.33	6.66	0.010	0.49	0.65	0.421	0.00	0.07	0.786	Uniform>
119	MC	2137	554	-0.20	3.05	0.081	-0.13	0.05	0.817	0.00	0.02	0.892	
120	MC	2137	554	0.20	0.88	0.348	-0.86	1.07	0.302	0.03	1.73	0.188	
121	MC	2137	554	-0.21	2.58	0.108	0.28	0.19	0.666	-0.01	0.58	0.446	
122	MC	2146	560	0.43	1.06	0.303	0.88	0.49	0.484	-0.01	0.14	0.708	
123	MC	2146	560	0.38	0.84	0.361	1.22	0.93	0.334	-0.02	0.47	0.491	
124	MC	2146	560	-0.04	0.07	0.798	-0.51	0.66	0.416	0.01	0.60	0.437	
125	MC	2146	560	0.25	2.48	0.115	0.99	2.05	0.152	-0.02	1.19	0.275	
126	MC	2146	560	0.34	4.39	0.036	-0.19	0.07	0.790	0.01	0.58	0.446	
127	MC	2146	560	0.12	0.76	0.384	0.36	0.32	0.569	-0.01	0.15	0.696	
128	MC	2146	560	0.33	4.04	0.044	-0.30	0.18	0.673	0.01	0.82	0.365	
129	MC	2146	560	0.01	0.01	0.943	0.00	0.00	0.995	0.00	0.00	0.990	
130	MC	2146	560	-0.41	4.10	0.043	1.02	1.38	0.240	-0.03	2.81	0.094	
131	MC	2324	615	-0.14	0.11	0.745	1.71	1.30	0.254	-0.05	1.55	0.214	
132	MC	2324	615	0.61	2.15	0.142	1.52	1.15	0.284	-0.02	0.44	0.507	
133	MC	2324	615	-0.05	0.20	0.656	0.07	0.02	0.894	0.00	0.05	0.820	
134	MC	2324	615	-0.01	0.01	0.936	-0.01	0.00	0.979	0.00	0.00	0.991	
135	MC	2324	615	0.11	0.57	0.452	-0.21	0.11	0.744	0.01	0.26	0.611	
136	MC	2324	615	0.21	5.17	0.023	0.40	0.57	0.451	0.00	0.13	0.719	
137	MC	2324	615	0.21	2.68	0.102	0.03	0.00	0.959	0.00	0.10	0.757	
138	MC	2324	615	-0.10	0.61	0.434	-0.17	0.08	0.784	0.00	0.01	0.904	
139	MC	2324	615	0.02	0.03	0.873	-0.45	0.58	0.446	0.01	0.66	0.416	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.0005 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.89: Logistic Regression DIF Results on Stage I Listening Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
102	MC	8720	1468	-0.55	2.77	0.096	-2.90	4.19	0.041	0.05	3.30	0.069	
103	MC	2113	403	-0.68	0.84	0.359	-0.51	0.03	0.862	0.00	0.00	0.952	
104	MC	2113	403	-0.02	0.00	0.965	-1.23	0.37	0.544	0.03	0.40	0.528	
105	MC	2113	403	0.38	0.66	0.418	-1.03	0.30	0.581	0.03	0.64	0.424	
106	MC	2113	403	0.02	0.03	0.857	0.14	0.04	0.843	0.00	0.03	0.868	
107	MC	8720	1468	0.10	2.10	0.147	0.68	3.21	0.073	-0.01	2.43	0.119	
108	MC	2113	403	-0.11	0.54	0.463	-0.49	0.45	0.503	0.01	0.28	0.594	
109	MC	2113	403	0.20	1.24	0.265	-0.70	0.69	0.406	0.02	1.19	0.275	
110	MC	2113	403	-0.23	3.29	0.070	-0.01	0.00	0.993	0.00	0.10	0.755	
111	MC	2113	403	-0.34	2.38	0.123	0.96	0.82	0.364	-0.03	1.55	0.214	
112	MC	2113	403	-0.27	1.23	0.267	-0.36	0.11	0.744	0.00	0.01	0.934	
113	MC	2137	354	-0.16	0.05	0.830	0.54	0.04	0.847	-0.02	0.07	0.799	
114	MC	2137	354	-0.11	0.06	0.804	-1.45	0.64	0.422	0.03	0.62	0.430	
115	MC	2137	354	-0.26	1.06	0.304	0.18	0.03	0.870	-0.01	0.16	0.686	
116	MC	2137	354	0.01	0.00	0.961	0.81	1.35	0.245	-0.02	1.37	0.241	
117	MC	2137	354	0.04	0.08	0.783	0.78	0.87	0.350	-0.01	0.81	0.369	
118	MC	2137	354	0.28	3.21	0.073	0.75	0.89	0.345	-0.01	0.37	0.543	
119	MC	2137	354	-0.24	2.89	0.089	-0.87	1.45	0.229	0.01	0.80	0.371	
120	MC	2137	354	0.03	0.02	0.901	-0.34	0.08	0.780	0.01	0.10	0.751	
121	MC	2137	354	-0.29	3.25	0.071	0.16	0.04	0.851	-0.01	0.29	0.592	
122	MC	2146	314	0.10	0.03	0.871	-0.89	0.18	0.668	0.02	0.27	0.603	
123	MC	2146	314	-0.37	0.25	0.620	1.07	0.23	0.631	-0.04	0.42	0.519	
124	MC	2146	314	-0.06	0.11	0.736	-0.73	0.74	0.389	0.01	0.66	0.417	
125	MC	2146	314	0.19	0.85	0.356	1.17	1.47	0.225	-0.02	1.06	0.303	
126	MC	2146	314	0.22	1.06	0.304	-0.15	0.02	0.883	0.01	0.14	0.704	
127	MC	2146	314	0.28	2.83	0.092	0.04	0.00	0.959	0.00	0.08	0.771	
128	MC	2146	314	0.16	0.55	0.460	-0.86	0.79	0.374	0.02	1.19	0.276	
129	MC	2146	314	0.15	0.42	0.517	-0.44	0.19	0.661	0.01	0.37	0.543	
130	MC	2146	314	-0.60	4.52	0.033	0.92	0.57	0.452	-0.04	1.58	0.209	
131	MC	2324	397	-0.66	1.14	0.286	0.30	0.02	0.896	-0.03	0.17	0.677	
132	MC	2324	397	0.64	1.80	0.179	0.58	0.10	0.755	0.00	0.00	0.971	
133	MC	2324	397	-0.07	0.31	0.580	0.13	0.04	0.845	0.00	0.10	0.757	
134	MC	2324	397	-0.22	3.89	0.049	0.29	0.24	0.628	-0.01	0.75	0.387	
135	MC	2324	397	-0.07	0.15	0.703	-0.86	1.13	0.287	0.02	1.03	0.310	
136	MC	2324	397	0.25	5.15	0.023	0.17	0.07	0.787	0.00	0.02	0.898	
137	MC	2324	397	0.26	2.96	0.086	-0.42	0.33	0.567	0.01	0.92	0.338	
138	MC	2324	397	-0.12	0.66	0.416	-0.01	0.00	0.987	0.00	0.02	0.885	
139	MC	2324	397	0.10	0.52	0.470	-0.63	0.82	0.364	0.02	1.16	0.281	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.90: Logistic Regression DIF Results on Stage I Listening Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
102	MC	842	1468	-0.64	2.16	0.142	-5.82	12.13	0.000	0.14	10.85	0.001	NonUniform
103	MC	178	403	-1.99	5.26	0.022	-3.68	1.31	0.253	0.04	0.32	0.573	
104	MC	178	403	0.07	0.01	0.937	-4.13	2.21	0.138	0.13	2.14	0.143	
105	MC	178	403	-0.39	0.31	0.575	-4.06	2.78	0.095	0.10	2.40	0.121	
106	MC	178	403	-0.10	0.20	0.653	0.27	0.06	0.812	-0.01	0.11	0.736	
107	MC	842	1468	0.21	3.93	0.047	0.91	2.76	0.096	-0.01	1.69	0.193	
108	MC	178	403	-0.11	0.19	0.664	-0.25	0.05	0.823	0.00	0.02	0.895	
109	MC	178	403	-0.01	0.00	0.981	-1.56	1.07	0.300	0.03	1.11	0.293	
110	MC	178	403	-0.41	3.56	0.059	-0.31	0.06	0.804	0.00	0.01	0.937	
111	MC	178	403	-0.42	1.37	0.242	2.43	2.99	0.084	-0.06	4.33	0.038	
112	MC	178	403	-0.56	2.03	0.155	-1.03	0.37	0.545	0.01	0.08	0.776	
113	MC	200	354	0.64	0.27	0.601	-2.60	0.49	0.485	0.12	0.77	0.379	
114	MC	200	354	0.45	0.39	0.535	-2.95	1.46	0.227	0.10	1.96	0.161	
115	MC	200	354	-0.26	0.50	0.479	0.05	0.00	0.972	-0.01	0.05	0.819	
116	MC	200	354	-0.08	0.17	0.684	-0.22	0.05	0.826	0.00	0.02	0.887	
117	MC	200	354	-0.25	1.28	0.258	1.14	1.02	0.311	-0.03	1.58	0.209	
118	MC	200	354	-0.14	0.35	0.557	0.58	0.30	0.586	-0.01	0.47	0.492	
119	MC	200	354	-0.09	0.19	0.664	-1.57	2.47	0.116	0.03	2.29	0.130	
120	MC	200	354	-0.44	1.48	0.223	0.97	0.44	0.510	-0.03	0.97	0.324	
121	MC	200	354	-0.20	0.70	0.404	-0.26	0.05	0.831	0.00	0.00	0.965	Uniform<
122	MC	246	314	-0.55	0.51	0.477	-2.89	1.34	0.247	0.06	1.01	0.315	
123	MC	246	314	-1.20	1.97	0.160	-0.24	0.01	0.925	-0.03	0.16	0.692	
124	MC	246	314	-0.07	0.07	0.785	-0.44	0.15	0.701	0.01	0.11	0.739	
125	MC	246	314	-0.11	0.13	0.718	0.35	0.08	0.782	-0.01	0.14	0.710	
126	MC	246	314	-0.27	0.92	0.337	0.11	0.01	0.934	-0.01	0.09	0.762	
127	MC	246	314	0.42	2.80	0.094	-0.83	0.50	0.480	0.03	1.19	0.275	
128	MC	246	314	-0.36	1.57	0.210	-1.06	0.67	0.412	0.02	0.31	0.577	
129	MC	246	314	0.34	0.93	0.334	-1.14	0.64	0.425	0.03	1.12	0.289	
130	MC	246	314	-0.37	0.84	0.359	-0.12	0.01	0.940	-0.01	0.02	0.875	
131	MC	218	397	-1.07	1.71	0.191	-2.27	0.60	0.438	0.04	0.19	0.666	
132	MC	218	397	0.19	0.06	0.803	-2.14	0.77	0.380	0.07	0.97	0.326	
133	MC	218	397	-0.07	0.12	0.728	0.12	0.01	0.910	0.00	0.04	0.850	
134	MC	218	397	-0.60	11.90	0.001	0.35	0.15	0.697	-0.02	1.14	0.285	
135	MC	218	397	-0.46	3.30	0.069	-1.73	2.17	0.141	0.03	1.22	0.270	
136	MC	218	397	0.11	0.42	0.516	-0.53	0.29	0.592	0.01	0.44	0.509	
137	MC	218	397	0.15	0.37	0.545	-1.18	1.11	0.293	0.03	1.46	0.227	
138	MC	218	397	-0.07	0.08	0.781	0.40	0.12	0.729	-0.01	0.17	0.681	
139	MC	218	397	0.26	1.27	0.261	-0.45	0.17	0.681	0.02	0.44	0.508	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group. Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.91: Logistic Regression DIF Results on Stage I Listening Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
102	MC	71	1468	-1.38	3.02	0.082	-5.27	3.16	0.075	0.10	1.60	0.205	
103	MC	11	403	-3.35	6.04	0.014	-5.04	0.35	0.552	0.04	0.04	0.841	
104	MC	11	403	10.68	0.00	0.985	11.71	0.00	0.990	-0.08	0.00	0.996	
105	MC	11	403	-2.09	3.21	0.073	-109.67	0.06	0.812	2.59	0.06	0.813	
106	MC	11	403	1.09	1.02	0.313	-2.07	0.07	0.796	0.07	0.15	0.699	
107	MC	71	1468	0.03	0.01	0.924	3.36	5.54	0.019	-0.07	5.75	0.016	
108	MC	11	403	0.73	0.47	0.493	9.09	1.01	0.316	-0.16	1.00	0.316	
109	MC	11	403	0.41	0.14	0.705	14.63	1.22	0.270	-0.26	1.42	0.234	
110	MC	11	403	-0.38	0.30	0.586	-2.18	0.23	0.630	0.04	0.16	0.689	
111	MC	11	403	-0.51	0.21	0.648	10.04	1.52	0.218	-0.21	2.12	0.145	
112	MC	11	403	-1.63	3.34	0.068	-1.99	0.12	0.731	0.01	0.00	0.950	
113	MC	35	354	-0.80	0.33	0.566	-103.87	0.41	0.522	4.41	0.40	0.528	
114	MC	35	354	-0.07	0.00	0.954	-6.36	0.61	0.435	0.21	0.44	0.509	
115	MC	35	354	-0.46	0.53	0.466	-0.53	0.05	0.818	0.00	0.00	0.974	
116	MC	35	354	-0.46	1.50	0.220	-1.09	0.26	0.613	0.01	0.09	0.765	
117	MC	35	354	-0.85	4.40	0.036	1.33	0.38	0.536	-0.04	1.05	0.305	
118	MC	35	354	-0.74	3.26	0.071	-0.77	0.12	0.730	0.00	0.00	0.991	
119	MC	35	354	-0.22	0.29	0.589	-1.55	0.67	0.413	0.03	0.52	0.473	
120	MC	35	354	-0.33	0.22	0.640	0.07	0.00	0.979	-0.01	0.03	0.872	
121	MC	35	354	-0.38	0.71	0.401	-1.59	0.37	0.543	0.03	0.22	0.639	
122	MC	9	314	10.38	0.00	0.987	10.63	0.00	0.992	-0.06	0.00	0.998	
123	MC	9	314	9.22	0.00	0.986	11.08	0.00	0.992	-0.08	0.00	0.997	
124	MC	9	314	13.21	0.00	0.981	12.81	0.00	0.980	-0.07	0.00	0.994	
125	MC	9	314	12.89	0.00	0.982	14.25	0.00	0.981	-0.10	0.00	0.993	
126	MC	9	314	0.00	0.00	0.997	-81.28	0.02	0.875	2.00	0.03	0.873	
127	MC	9	314	0.65	0.35	0.554	-2.43	0.13	0.719	0.07	0.20	0.653	
128	MC	9	314	-0.97	1.21	0.271	-3.46	0.31	0.575	0.05	0.16	0.685	
129	MC	9	314	12.78	0.00	0.983	14.46	0.00	0.982	-0.11	0.00	0.993	
130	MC	9	314	12.01	0.00	0.983	15.35	0.00	0.975	-0.15	0.00	0.987	
131	MC	16	397	9.73	0.00	0.987	11.28	0.00	0.992	-0.09	0.00	0.997	
132	MC	16	397	10.43	0.00	0.981	12.47	0.00	0.989	-0.10	0.00	0.996	
133	MC	16	397	0.65	0.71	0.398	8.38	1.44	0.230	-0.15	1.34	0.247	
134	MC	16	397	-1.29	5.44	0.020	6.62	1.79	0.181	-0.16	2.50	0.114	
135	MC	16	397	0.54	0.26	0.611	-171.09	0.19	0.667	4.19	0.19	0.667	
136	MC	16	397	-0.61	1.20	0.273	3.88	0.74	0.390	-0.09	0.98	0.322	
137	MC	16	397	0.26	0.11	0.737	0.33	0.00	0.957	0.00	0.00	0.991	
138	MC	16	397	-0.59	0.90	0.342	-0.32	0.00	0.949	-0.01	0.00	0.958	
139	MC	16	397	0.56	0.51	0.474	-14.46	1.77	0.183	0.33	1.76	0.185	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.92: Logistic Regression DIF Results on Stage I Listening Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
102	MC	11030	2054	0.25	1.34	0.248	-0.51	0.44	0.508	0.02	1.10	0.294	Uniform>
103	MC	2694	532	0.71	3.76	0.052	-0.70	0.32	0.573	0.04	1.48	0.224	
104	MC	2694	532	0.95	9.20	0.002	1.41	1.67	0.196	-0.01	0.19	0.663	
105	MC	2694	532	0.80	5.44	0.020	1.08	0.87	0.352	-0.01	0.06	0.803	
106	MC	2694	532	0.07	0.31	0.576	-0.35	0.33	0.564	0.01	0.49	0.482	
107	MC	11030	2054	0.13	4.87	0.027	0.52	2.45	0.118	-0.01	1.44	0.230	
108	MC	2694	532	0.18	2.07	0.150	1.49	5.09	0.024	-0.03	4.05	0.044	
109	MC	2694	532	-0.17	1.03	0.309	-1.32	3.15	0.076	0.03	2.54	0.111	
110	MC	2694	532	-0.11	1.00	0.318	0.49	0.52	0.470	-0.01	0.81	0.368	
111	MC	2694	532	0.21	1.52	0.218	1.13	1.97	0.161	-0.02	1.34	0.246	
112	MC	2694	532	0.22	1.18	0.277	0.64	0.51	0.476	-0.01	0.23	0.629	Uniform<
113	MC	2691	509	-0.01	0.00	0.989	-1.19	0.23	0.634	0.03	0.25	0.614	
114	MC	2691	509	-0.08	0.04	0.838	0.13	0.01	0.934	-0.01	0.02	0.891	
115	MC	2691	509	-0.15	0.51	0.477	0.36	0.15	0.696	-0.01	0.31	0.575	
116	MC	2691	509	0.10	0.95	0.330	-0.14	0.06	0.812	0.00	0.17	0.676	
117	MC	2691	509	0.00	0.00	0.982	0.59	0.70	0.402	-0.01	0.72	0.398	
118	MC	2691	509	-0.07	0.23	0.633	-0.86	1.58	0.209	0.02	1.42	0.234	
119	MC	2691	509	-0.11	0.98	0.321	-1.28	4.26	0.039	0.02	3.71	0.054	
120	MC	2691	509	0.09	0.17	0.680	-1.19	1.53	0.215	0.03	1.93	0.165	
121	MC	2691	509	-0.53	13.63	0.000	-0.75	1.07	0.300	0.00	0.10	0.758	
122	MC	2706	512	-0.44	0.52	0.471	-0.58	0.09	0.759	0.00	0.01	0.941	Uniform>
123	MC	2706	512	-0.18	0.11	0.737	0.67	0.16	0.685	-0.02	0.28	0.597	
124	MC	2706	512	-0.13	0.83	0.362	-0.53	0.59	0.443	0.01	0.35	0.555	
125	MC	2706	512	0.11	0.43	0.513	-0.66	0.78	0.377	0.02	1.14	0.287	
126	MC	2706	512	0.09	0.29	0.592	0.12	0.02	0.880	0.00	0.00	0.972	
127	MC	2706	512	0.29	4.64	0.031	0.22	0.11	0.745	0.00	0.01	0.914	
128	MC	2706	512	0.16	0.91	0.341	0.67	0.66	0.418	-0.01	0.39	0.533	
129	MC	2706	512	-0.02	0.01	0.921	0.34	0.15	0.694	-0.01	0.18	0.670	
130	MC	2706	512	-0.13	0.43	0.510	-0.90	1.16	0.281	0.02	0.91	0.341	
131	MC	2939	501	0.28	0.41	0.523	2.61	2.18	0.140	-0.07	1.72	0.190	Uniform>
132	MC	2939	501	1.02	6.96	0.008	2.82	3.82	0.051	-0.05	1.60	0.205	
133	MC	2939	501	0.14	1.33	0.250	1.18	3.22	0.073	-0.02	2.59	0.107	
134	MC	2939	501	-0.32	9.84	0.002	-0.07	0.02	0.898	0.00	0.19	0.661	Uniform<
135	MC	2939	501	0.12	0.66	0.415	-1.28	2.99	0.084	0.03	3.86	0.049	
136	MC	2939	501	0.03	0.09	0.767	0.99	2.53	0.111	-0.02	2.46	0.117	
137	MC	2939	501	0.03	0.04	0.844	-0.57	0.64	0.422	0.01	0.75	0.387	
138	MC	2939	501	-0.33	4.97	0.026	0.81	1.01	0.314	-0.02	2.06	0.151	
139	MC	2939	501	-0.04	0.10	0.749	-0.58	0.72	0.395	0.01	0.65	0.421	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.93: Logistic Regression DIF Results on Stage I Listening Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
102	MC	9714	3370	-0.56	7.83	0.005	0.44	0.50	0.482	-0.03	2.71	0.100	Uniform<
103	MC	2326	900	-0.34	0.88	0.347	0.59	0.26	0.610	-0.03	0.68	0.409	
104	MC	2326	900	-0.51	2.31	0.129	0.40	0.14	0.713	-0.03	0.74	0.391	
105	MC	2326	900	0.03	0.01	0.932	1.42	1.82	0.177	-0.04	1.84	0.175	Uniform<
106	MC	2326	900	0.10	1.03	0.310	-0.09	0.03	0.857	0.00	0.16	0.693	
107	MC	9714	3370	-0.22	21.29	0.000	-0.47	3.75	0.053	0.01	1.08	0.299	
108	MC	2326	900	-0.10	0.90	0.343	-0.35	0.53	0.467	0.01	0.29	0.591	NonUniform
109	MC	2326	900	-0.14	1.06	0.302	-0.47	0.62	0.430	0.01	0.33	0.565	
110	MC	2326	900	-0.14	2.46	0.117	-1.59	10.40	0.001	0.03	8.92	0.003	
111	MC	2326	900	-0.07	0.22	0.637	-0.46	0.59	0.441	0.01	0.46	0.497	NonUniform
112	MC	2326	900	-0.27	2.64	0.104	-0.91	1.81	0.179	0.02	0.97	0.325	
113	MC	2390	810	-0.16	0.11	0.739	1.60	1.12	0.290	-0.05	1.38	0.240	
114	MC	2390	810	0.08	0.09	0.771	-0.36	0.14	0.712	0.01	0.23	0.634	NonUniform
115	MC	2390	810	-0.21	1.64	0.200	-0.08	0.02	0.901	0.00	0.04	0.840	
116	MC	2390	810	-0.11	1.60	0.205	-0.21	0.22	0.640	0.00	0.05	0.825	
117	MC	2390	810	-0.11	1.14	0.285	0.12	0.05	0.828	0.00	0.18	0.667	NonUniform
118	MC	2390	810	-0.06	0.24	0.624	-0.42	0.67	0.413	0.01	0.53	0.465	
119	MC	2390	810	-0.09	0.82	0.365	1.33	8.07	0.005	-0.03	9.46	0.002	
120	MC	2390	810	-0.06	0.12	0.729	-1.47	4.19	0.041	0.03	4.17	0.041	NonUniform
121	MC	2390	810	0.01	0.01	0.935	0.44	0.65	0.419	-0.01	0.65	0.420	
122	MC	2308	910	-0.45	1.40	0.236	1.31	1.21	0.270	-0.06	2.22	0.136	
123	MC	2308	910	0.24	0.51	0.477	2.40	5.00	0.025	-0.06	4.21	0.040	NonUniform
124	MC	2308	910	0.03	0.07	0.786	-0.23	0.25	0.616	0.01	0.34	0.561	
125	MC	2308	910	-0.01	0.01	0.917	0.16	0.10	0.751	0.00	0.13	0.722	
126	MC	2308	910	0.09	0.53	0.468	0.57	1.04	0.307	-0.01	0.76	0.382	NonUniform
127	MC	2308	910	0.14	1.69	0.194	-0.41	0.84	0.361	0.01	1.57	0.210	
128	MC	2308	910	0.04	0.07	0.785	0.01	0.00	0.986	0.00	0.00	0.961	
129	MC	2308	910	-0.15	1.00	0.316	0.39	0.44	0.505	-0.01	0.89	0.345	NonUniform
130	MC	2308	910	-0.13	0.85	0.355	0.51	0.77	0.381	-0.02	1.29	0.256	
131	MC	2690	750	-0.65	2.25	0.134	0.56	0.15	0.696	-0.04	0.74	0.389	
132	MC	2690	750	-0.66	1.83	0.176	2.92	3.00	0.083	-0.11	3.96	0.047	Uniform<
133	MC	2690	750	-0.28	6.81	0.009	0.09	0.03	0.859	-0.01	0.54	0.464	
134	MC	2690	750	0.21	6.57	0.010	0.28	0.40	0.526	0.00	0.02	0.881	
135	MC	2690	750	-0.12	0.83	0.363	0.44	0.55	0.457	-0.01	0.95	0.330	Uniform<
136	MC	2690	750	-0.37	18.34	0.000	-0.95	4.31	0.038	0.01	1.68	0.194	
137	MC	2690	750	-0.28	4.62	0.032	-0.76	1.76	0.185	0.01	0.74	0.391	
138	MC	2690	750	-0.14	1.47	0.226	-0.02	0.00	0.967	0.00	0.04	0.835	Uniform<
139	MC	2690	750	-0.11	0.87	0.352	-0.39	0.51	0.474	0.01	0.28	0.595	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.94: Logistic Regression DIF Results on Stage I Speaking Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
140	SA1	1330	1364	0.00	0.00	0.987	-0.42	0.69	0.407	0.01	0.73	0.394	
141	SA1	1330	1364	-0.14	2.03	0.155	-0.67	1.55	0.213	0.01	1.01	0.314	
142	SA1	1330	1364	-0.02	0.02	0.890	-0.64	0.84	0.360	0.01	0.83	0.363	
143	SA2	5481	5549	-0.05	1.32	0.250	-0.61	7.85	0.005	0.01	6.96	0.008	NonUniform
144	SA2	1330	1364	0.05	0.40	0.529	-0.96	4.55	0.033	0.02	5.22	0.022	
145	SA1	5481	5549	-0.19	20.49	0.000	-0.69	6.97	0.008	0.01	3.81	0.051	Uniform<
146	SA1	1330	1364	-0.27	8.89	0.003	-0.42	0.59	0.443	0.00	0.08	0.780	Uniform<
147	SA1	1330	1364	-0.31	9.56	0.002	-0.52	0.50	0.480	0.00	0.08	0.777	Uniform<
148	SA2	5481	5549	-0.02	0.14	0.706	-0.48	4.24	0.040	0.01	4.08	0.043	
149	SA2	1330	1364	-0.11	1.76	0.184	-1.63	10.02	0.002	0.03	8.96	0.003	NonUniform
150	SA1	1350	1341	-0.22	3.01	0.083	-1.10	4.02	0.045	0.02	2.74	0.098	
151	SA1	1350	1341	-0.19	3.76	0.053	-0.11	0.04	0.832	0.00	0.03	0.868	
152	SA1	1350	1341	-0.36	6.97	0.008	-1.01	3.10	0.078	0.01	1.38	0.240	Uniform<
153	SA2	1350	1341	-0.06	0.45	0.502	-0.25	0.30	0.582	0.00	0.18	0.673	
154	SA1	1350	1341	-0.47	30.22	0.000	-0.97	2.96	0.086	0.01	0.80	0.372	Uniform<
155	SA1	1350	1341	-0.11	0.62	0.432	-2.89	7.91	0.005	0.05	7.54	0.006	NonUniform
156	SA2	1350	1341	0.04	0.19	0.667	-1.43	9.15	0.002	0.03	9.94	0.002	NonUniform
157	SA1	1347	1359	-0.14	1.48	0.223	-0.05	0.01	0.916	0.00	0.03	0.852	
158	SA1	1347	1359	-0.27	8.42	0.004	-0.74	2.14	0.143	0.01	0.90	0.342	Uniform<
159	SA1	1347	1359	-0.11	0.64	0.425	-0.34	0.37	0.542	0.01	0.18	0.673	
160	SA2	1347	1359	0.00	0.00	0.953	0.31	0.35	0.554	-0.01	0.35	0.554	
161	SA1	1347	1359	-0.32	13.94	0.000	-1.43	5.95	0.015	0.02	3.66	0.056	Uniform<
162	SA1	1347	1359	0.02	0.04	0.838	-0.55	0.46	0.497	0.01	0.51	0.475	
163	SA2	1347	1359	-0.05	0.30	0.582	-0.13	0.08	0.776	0.00	0.03	0.855	
164	SA1	1454	1485	0.04	0.11	0.739	-0.19	0.15	0.695	0.00	0.23	0.635	
165	SA1	1454	1485	-0.07	0.68	0.410	-1.09	4.71	0.030	0.02	4.24	0.040	
166	SA1	1454	1485	-0.12	0.69	0.406	-0.57	0.89	0.345	0.01	0.59	0.441	
167	SA2	1454	1485	0.04	0.29	0.589	-0.59	1.23	0.267	0.01	1.47	0.226	
168	SA1	1454	1485	-0.19	5.35	0.021	-0.20	0.13	0.714	0.00	0.00	0.991	
169	SA1	1454	1485	-0.12	1.37	0.241	-1.35	2.88	0.090	0.02	2.42	0.120	
170	SA2	1454	1485	-0.10	1.41	0.235	0.25	0.29	0.590	-0.01	0.58	0.446	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.95: Logistic Regression DIF Results on Stage I Speaking Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
140	SA1	2449	245	-0.11	0.29	0.593	0.90	0.81	0.368	-0.02	1.06	0.304	
141	SA1	2449	245	0.03	0.03	0.853	-0.37	0.14	0.704	0.01	0.18	0.674	
142	SA1	2449	245	0.40	2.07	0.150	0.55	0.22	0.638	0.00	0.02	0.895	
143	SA2	9880	1150	-0.07	1.08	0.298	0.05	0.02	0.890	0.00	0.11	0.741	
144	SA2	2449	245	0.05	0.11	0.740	0.60	0.49	0.483	-0.01	0.43	0.513	
145	SA1	9880	1150	0.21	9.68	0.002	0.91	3.75	0.053	-0.01	2.27	0.132	Uniform>
146	SA1	2449	245	-0.24	2.69	0.101	2.98	6.97	0.008	-0.06	8.50	0.004	NonUniform
147	SA1	2449	245	-0.36	5.32	0.021	3.92	6.85	0.009	-0.07	8.47	0.004	NonUniform
148	SA2	9880	1150	0.00	0.00	0.982	-0.67	3.04	0.081	0.01	3.14	0.076	
149	SA2	2449	245	-0.01	0.00	0.973	0.47	0.25	0.621	-0.01	0.26	0.613	
150	SA1	2415	276	0.08	0.15	0.697	0.62	0.53	0.466	-0.01	0.42	0.515	
151	SA1	2415	276	0.14	0.75	0.386	-0.23	0.08	0.776	0.01	0.22	0.640	
152	SA1	2415	276	0.19	0.75	0.386	1.46	2.56	0.109	-0.03	2.02	0.155	
153	SA2	2415	276	0.25	2.88	0.089	-0.30	0.19	0.664	0.01	0.67	0.413	
154	SA1	2415	276	-0.19	1.93	0.165	1.41	2.05	0.153	-0.03	2.71	0.099	
155	SA1	2415	276	-0.50	6.70	0.010	-1.61	1.63	0.202	0.02	0.78	0.376	Uniform<
156	SA2	2415	276	0.09	0.37	0.540	-0.22	0.08	0.775	0.01	0.17	0.683	
157	SA1	2392	314	0.09	0.21	0.646	0.12	0.02	0.895	0.00	0.00	0.974	
158	SA1	2392	314	-0.33	4.49	0.034	-1.30	2.49	0.115	0.02	1.44	0.231	
159	SA1	2392	314	0.20	0.78	0.376	-0.55	0.31	0.577	0.02	0.62	0.431	
160	SA2	2392	314	0.04	0.10	0.754	-0.16	0.04	0.851	0.00	0.06	0.813	
161	SA1	2392	314	0.00	0.00	0.999	-0.40	0.19	0.659	0.01	0.20	0.657	
162	SA1	2392	314	0.18	1.05	0.304	1.39	0.88	0.347	-0.02	0.69	0.407	
163	SA2	2392	314	0.10	0.54	0.464	-0.64	0.73	0.393	0.01	1.00	0.317	
164	SA1	2624	315	-0.41	4.36	0.037	-0.99	1.24	0.265	0.01	0.46	0.497	
165	SA1	2624	315	-0.35	5.30	0.021	-0.82	1.00	0.317	0.01	0.34	0.561	
166	SA1	2624	315	-0.63	4.51	0.034	-1.61	1.62	0.203	0.02	0.66	0.417	
167	SA2	2624	315	0.27	4.09	0.043	-0.49	0.30	0.585	0.01	0.74	0.390	
168	SA1	2624	315	0.17	1.69	0.193	3.54	9.85	0.002	-0.06	9.13	0.003	NonUniform
169	SA1	2624	315	0.04	0.06	0.803	2.62	2.94	0.086	-0.05	2.94	0.086	
170	SA2	2624	315	0.05	0.15	0.699	-2.45	12.53	0.000	0.05	13.66	0.000	NonUniform

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.96: Logistic Regression DIF Results on Stage I Speaking Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
140	SA1	68	2626	0.08	0.05	0.821	-1.76	0.88	0.349	0.04	0.96	0.327	
141	SA1	68	2626	-0.22	0.56	0.455	-1.73	0.86	0.353	0.03	0.67	0.413	
142	SA1	68	2626	-0.54	1.47	0.226	-1.07	0.25	0.621	0.01	0.06	0.803	
143	SA2	632	10398	0.24	7.69	0.006	0.39	0.66	0.416	0.00	0.10	0.750	Uniform>
144	SA2	68	2626	0.16	0.36	0.549	-1.55	0.97	0.326	0.04	1.18	0.277	
145	SA1	632	10398	0.31	12.04	0.001	0.37	0.46	0.497	0.00	0.02	0.900	Uniform>
146	SA1	68	2626	0.24	0.78	0.376	-0.59	0.12	0.728	0.02	0.25	0.617	
147	SA1	68	2626	0.66	5.41	0.020	3.82	6.06	0.014	-0.06	4.14	0.042	
148	SA2	632	10398	0.16	3.08	0.079	0.59	1.38	0.240	-0.01	0.76	0.384	
149	SA2	68	2626	0.49	3.15	0.076	0.76	0.24	0.622	-0.01	0.03	0.857	
150	SA1	171	2520	0.48	2.75	0.097	1.10	0.82	0.365	-0.01	0.28	0.599	
151	SA1	171	2520	0.01	0.00	0.952	-0.37	0.11	0.736	0.01	0.13	0.723	
152	SA1	171	2520	0.43	1.95	0.162	-0.58	0.22	0.636	0.02	0.70	0.403	
153	SA2	171	2520	0.13	0.46	0.500	0.03	0.00	0.978	0.00	0.01	0.910	
154	SA1	171	2520	0.23	1.83	0.176	1.08	1.12	0.290	-0.02	0.71	0.400	
155	SA1	171	2520	0.92	17.44	0.000	-2.02	1.33	0.249	0.05	2.95	0.086	Uniform>
156	SA2	171	2520	-0.13	0.61	0.433	0.73	0.65	0.422	-0.02	0.93	0.334	
157	SA1	145	2561	0.60	3.43	0.064	-0.05	0.00	0.976	0.01	0.16	0.689	
158	SA1	145	2561	0.63	7.88	0.005	-1.30	0.80	0.372	0.04	1.78	0.183	Uniform>
159	SA1	145	2561	0.08	0.06	0.812	0.05	0.00	0.978	0.00	0.00	0.984	
160	SA2	145	2561	-0.10	0.32	0.571	2.06	3.27	0.070	-0.04	3.65	0.056	
161	SA1	145	2561	0.33	3.27	0.071	-2.35	2.24	0.135	0.05	2.98	0.085	
162	SA1	145	2561	0.03	0.02	0.894	0.19	0.01	0.920	0.00	0.01	0.933	
163	SA2	145	2561	0.01	0.00	0.971	0.69	0.39	0.531	-0.01	0.39	0.530	
164	SA1	248	2691	0.49	5.19	0.023	1.57	2.35	0.125	-0.02	1.20	0.274	
165	SA1	248	2691	0.29	3.15	0.076	0.22	0.06	0.810	0.00	0.01	0.936	
166	SA1	248	2691	0.87	6.11	0.013	0.44	0.09	0.766	0.01	0.09	0.770	
167	SA2	248	2691	0.12	0.76	0.382	0.51	0.30	0.581	-0.01	0.18	0.671	
168	SA1	248	2691	0.29	3.83	0.050	-0.53	0.29	0.591	0.02	0.70	0.402	
169	SA1	248	2691	0.01	0.00	0.979	-0.57	0.14	0.704	0.01	0.15	0.699	
170	SA2	248	2691	0.70	18.34	0.000	0.74	0.75	0.386	0.00	0.00	0.964	Uniform>

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.97: Logistic Regression DIF Results on Stage I Speaking Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
140	SA1	140	2554	-0.41	3.93	0.047	1.24	1.85	0.173	-0.04	3.57	0.059	NonUniform Uniform<
141	SA1	140	2554	-0.06	0.10	0.758	-0.59	0.28	0.595	0.01	0.23	0.629	
142	SA1	140	2554	-0.07	0.05	0.827	-1.19	0.78	0.377	0.03	0.70	0.401	
143	SA2	591	10439	-0.08	0.83	0.362	1.12	8.47	0.004	-0.03	10.18	0.001	
144	SA2	140	2554	-0.63	13.39	0.000	-1.08	1.40	0.236	0.01	0.26	0.613	
145	SA1	591	10439	-0.17	3.20	0.074	-0.03	0.00	0.950	0.00	0.07	0.789	
146	SA1	140	2554	0.35	3.06	0.080	2.33	6.40	0.011	-0.04	4.71	0.030	
147	SA1	140	2554	0.13	0.30	0.584	0.37	0.06	0.804	0.00	0.03	0.873	
148	SA2	591	10439	-0.06	0.48	0.487	0.43	0.99	0.320	-0.01	1.34	0.247	
149	SA2	140	2554	0.04	0.04	0.847	-1.95	2.69	0.101	0.04	2.88	0.090	
150	SA1	144	2547	0.18	0.46	0.499	-0.40	0.17	0.676	0.01	0.38	0.536	
151	SA1	144	2547	0.11	0.30	0.586	-0.77	0.59	0.443	0.02	0.81	0.369	
152	SA1	144	2547	-0.10	0.17	0.680	0.58	0.40	0.528	-0.02	0.61	0.433	
153	SA2	144	2547	0.00	0.00	0.994	-0.42	0.28	0.600	0.01	0.28	0.594	
154	SA1	144	2547	0.00	0.00	0.992	0.83	0.70	0.404	-0.02	0.71	0.398	
155	SA1	144	2547	0.06	0.03	0.865	1.97	1.51	0.220	-0.04	1.40	0.236	
156	SA2	144	2547	-0.08	0.18	0.670	0.31	0.14	0.708	-0.01	0.23	0.632	
157	SA1	154	2552	-0.01	0.00	0.982	1.55	3.45	0.063	-0.04	3.95	0.047	
158	SA1	154	2552	-0.02	0.01	0.932	0.43	0.24	0.626	-0.01	0.27	0.604	
159	SA1	154	2552	-0.21	0.69	0.405	-1.03	1.20	0.273	0.02	0.80	0.371	
160	SA2	154	2552	0.04	0.05	0.827	0.58	0.38	0.537	-0.01	0.34	0.560	
161	SA1	154	2552	0.02	0.02	0.899	1.66	3.06	0.080	-0.03	3.04	0.081	
162	SA1	154	2552	0.45	3.51	0.061	1.72	1.87	0.172	-0.02	1.03	0.310	
163	SA2	154	2552	-0.18	1.07	0.302	0.82	1.15	0.283	-0.02	1.81	0.178	
164	SA1	153	2786	0.15	0.45	0.504	-0.87	0.64	0.423	0.02	0.90	0.342	
165	SA1	153	2786	-0.39	4.67	0.031	1.29	1.85	0.174	-0.04	3.26	0.071	
166	SA1	153	2786	-0.23	0.77	0.381	-0.11	0.01	0.926	0.00	0.01	0.918	
167	SA2	153	2786	-0.18	0.78	0.376	1.68	2.40	0.121	-0.04	2.97	0.085	
168	SA1	153	2786	-0.29	2.32	0.128	0.27	0.06	0.814	-0.01	0.24	0.621	
169	SA1	153	2786	0.42	2.92	0.088	1.37	0.88	0.349	-0.02	0.42	0.515	
170	SA2	153	2786	0.16	0.82	0.364	0.43	0.21	0.647	-0.01	0.09	0.768	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.98: Logistic Regression DIF Results on Stage I Speaking Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
140	SA1	2113	581	-0.23	2.70	0.100	0.59	0.82	0.366	-0.02	1.66	0.198	
141	SA1	2113	581	-0.07	0.32	0.573	0.05	0.01	0.937	0.00	0.03	0.853	
142	SA1	2113	581	0.21	1.04	0.309	1.17	2.01	0.156	-0.02	1.43	0.233	
143	SA2	8720	2310	-0.15	9.14	0.003	-0.28	1.10	0.294	0.00	0.24	0.622	Uniform<
144	SA2	2113	581	-0.11	1.06	0.304	-0.17	0.10	0.752	0.00	0.02	0.901	
145	SA1	8720	2310	-0.02	0.10	0.752	-0.38	1.45	0.229	0.01	1.36	0.243	
146	SA1	2113	581	-0.22	4.45	0.035	0.23	0.13	0.720	-0.01	0.51	0.476	
147	SA1	2113	581	-0.38	11.27	0.001	1.89	4.46	0.035	-0.04	6.64	0.010	NonUniform
148	SA2	8720	2310	-0.12	5.26	0.022	-0.38	1.78	0.182	0.01	0.85	0.356	
149	SA2	2113	581	-0.09	0.77	0.381	-0.03	0.00	0.965	0.00	0.01	0.919	
150	SA1	2137	554	-0.28	2.79	0.095	-0.78	1.26	0.262	0.01	0.56	0.453	
151	SA1	2137	554	-0.22	2.89	0.089	-0.95	2.39	0.122	0.02	1.49	0.223	
152	SA1	2137	554	0.29	3.49	0.062	-0.48	0.52	0.469	0.02	1.47	0.226	
153	SA2	2137	554	0.03	0.07	0.785	-0.49	0.83	0.362	0.01	0.99	0.320	
154	SA1	2137	554	-0.46	19.57	0.000	0.10	0.02	0.885	-0.01	0.73	0.394	Uniform<
155	SA1	2137	554	-0.77	26.59	0.000	-0.56	0.30	0.586	0.00	0.04	0.836	Uniform<
156	SA2	2137	554	0.05	0.21	0.647	-0.11	0.04	0.847	0.00	0.08	0.776	
157	SA1	2146	560	-0.21	1.67	0.197	-0.45	0.44	0.509	0.01	0.14	0.712	
158	SA1	2146	560	-0.43	12.11	0.001	-0.55	0.72	0.395	0.00	0.04	0.848	Uniform<
159	SA1	2146	560	0.00	0.00	0.989	-0.41	0.30	0.583	0.01	0.33	0.567	
160	SA2	2146	560	0.09	0.92	0.336	-0.09	0.02	0.895	0.00	0.08	0.782	
161	SA1	2146	560	-0.11	1.02	0.312	0.75	0.96	0.326	-0.02	1.28	0.258	
162	SA1	2146	560	0.02	0.03	0.858	0.44	0.17	0.677	-0.01	0.16	0.691	
163	SA2	2146	560	-0.05	0.24	0.623	0.21	0.12	0.725	-0.01	0.20	0.654	
164	SA1	2324	615	-0.16	1.49	0.222	-0.68	1.26	0.262	0.01	0.77	0.379	
165	SA1	2324	615	-0.32	8.01	0.005	-0.86	2.09	0.148	0.01	0.87	0.352	Uniform<
166	SA1	2324	615	-0.56	7.54	0.006	-0.57	0.46	0.496	0.00	0.00	0.992	Uniform<
167	SA2	2324	615	0.07	0.43	0.510	-1.86	9.41	0.002	0.04	10.37	0.001	NonUniform
168	SA1	2324	615	-0.06	0.34	0.562	1.26	3.37	0.067	-0.03	3.78	0.052	
169	SA1	2324	615	-0.19	2.38	0.123	1.25	1.59	0.207	-0.03	2.18	0.139	
170	SA2	2324	615	-0.19	3.52	0.061	-1.70	10.24	0.001	0.03	8.37	0.004	NonUniform

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.99: Logistic Regression DIF Results on Stage I Speaking Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
140	SA1	2113	403	-0.39	5.09	0.024	0.12	0.02	0.884	-0.01	0.40	0.529	
141	SA1	2113	403	-0.10	0.56	0.455	0.83	1.03	0.310	-0.02	1.35	0.246	
142	SA1	2113	403	-0.12	0.22	0.636	1.05	0.83	0.363	-0.03	1.05	0.305	
143	SA2	8720	1468	-0.24	15.79	0.000	-0.75	5.35	0.021	0.01	2.58	0.108	Uniform<
144	SA2	2113	403	-0.24	3.82	0.051	-0.76	1.41	0.235	0.01	0.69	0.406	
145	SA1	8720	1468	-0.16	7.25	0.007	-0.92	6.19	0.013	0.01	4.29	0.038	Uniform<
146	SA1	2113	403	-0.18	2.09	0.148	-0.98	1.90	0.168	0.02	1.31	0.253	
147	SA1	2113	403	-0.35	6.92	0.009	1.34	1.77	0.183	-0.03	2.90	0.089	Uniform<
148	SA2	8720	1468	-0.30	20.74	0.000	-0.60	2.96	0.085	0.01	0.79	0.373	Uniform<
149	SA2	2113	403	-0.21	2.98	0.084	-0.10	0.02	0.894	0.00	0.02	0.876	
150	SA1	2137	354	-0.61	7.02	0.008	-2.39	4.41	0.036	0.04	2.70	0.100	Uniform<
151	SA1	2137	354	-0.66	14.30	0.000	-0.98	1.32	0.251	0.01	0.15	0.696	Uniform<
152	SA1	2137	354	0.09	0.19	0.663	-2.77	7.52	0.006	0.06	8.94	0.003	NonUniform
153	SA2	2137	354	-0.16	1.22	0.269	-0.59	0.67	0.415	0.01	0.37	0.543	
154	SA1	2137	354	-0.58	21.73	0.000	-0.64	0.68	0.409	0.00	0.01	0.939	Uniform<
155	SA1	2137	354	-1.00	36.31	0.000	0.21	0.03	0.863	-0.02	0.99	0.319	Uniform<
156	SA2	2137	354	-0.04	0.10	0.754	-0.62	0.77	0.380	0.01	0.69	0.405	
157	SA1	2146	314	-0.63	6.88	0.009	-0.30	0.08	0.772	-0.01	0.11	0.743	Uniform<
158	SA1	2146	314	-0.55	11.20	0.001	-0.15	0.03	0.868	-0.01	0.20	0.658	Uniform<
159	SA1	2146	314	-0.08	0.11	0.736	-0.26	0.06	0.800	0.00	0.03	0.857	
160	SA2	2146	314	0.06	0.23	0.629	-0.18	0.04	0.842	0.00	0.07	0.787	
161	SA1	2146	314	-0.29	4.89	0.027	1.07	1.10	0.294	-0.03	1.82	0.178	
162	SA1	2146	314	-0.11	0.47	0.495	-0.90	0.52	0.469	0.01	0.41	0.524	
163	SA2	2146	314	-0.23	2.50	0.114	0.47	0.32	0.572	-0.01	0.72	0.395	
164	SA1	2324	397	-0.07	0.19	0.660	-0.67	0.82	0.364	0.01	0.70	0.402	
165	SA1	2324	397	-0.31	5.30	0.021	-0.69	0.92	0.338	0.01	0.29	0.588	
166	SA1	2324	397	-0.58	5.56	0.018	-0.64	0.35	0.552	0.00	0.00	0.955	
167	SA2	2324	397	-0.12	0.99	0.320	-2.52	13.45	0.000	0.05	12.59	0.000	NonUniform
168	SA1	2324	397	-0.15	1.68	0.195	1.09	1.78	0.182	-0.02	2.38	0.123	
169	SA1	2324	397	-0.16	1.07	0.301	1.18	0.94	0.332	-0.02	1.24	0.265	
170	SA2	2324	397	-0.47	13.41	0.000	-1.17	3.08	0.079	0.01	1.15	0.284	Uniform<

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.100: Logistic Regression DIF Results on Stage I Speaking Items for the Non-Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
140	SA1	178	403	-0.50	3.22	0.073	-1.40	1.23	0.268	0.02	0.54	0.464	
141	SA1	178	403	-0.14	0.32	0.574	2.07	2.93	0.087	-0.04	3.45	0.063	
142	SA1	178	403	-0.88	5.81	0.016	-0.49	0.11	0.737	-0.01	0.08	0.784	
143	SA2	842	1468	-0.24	6.92	0.009	-1.29	6.71	0.010	0.02	4.60	0.032	Uniform<
144	SA2	178	403	-0.44	4.78	0.029	-2.31	4.02	0.045	0.04	2.72	0.099	
145	SA1	842	1468	-0.40	18.39	0.000	-1.84	8.82	0.003	0.03	5.55	0.019	Uniform<
146	SA1	178	403	0.15	0.60	0.438	-4.60	9.39	0.002	0.09	10.49	0.001	NonUniform
147	SA1	178	403	0.08	0.13	0.717	-1.84	0.99	0.319	0.03	1.10	0.293	
148	SA2	842	1468	-0.46	22.07	0.000	-0.75	1.97	0.161	0.01	0.30	0.585	Uniform<
149	SA2	178	403	-0.39	3.84	0.050	-0.66	0.28	0.596	0.01	0.05	0.827	
150	SA1	200	354	-0.76	6.32	0.012	-2.49	3.38	0.066	0.04	1.75	0.186	
151	SA1	200	354	-1.02	18.84	0.000	-0.23	0.04	0.838	-0.02	0.51	0.475	Uniform<
152	SA1	200	354	-0.50	3.34	0.067	-4.08	10.20	0.001	0.07	8.37	0.004	NonUniform
153	SA2	200	354	-0.50	5.86	0.016	-0.16	0.03	0.867	-0.01	0.13	0.716	
154	SA1	200	354	-0.35	3.13	0.077	-2.16	2.77	0.096	0.03	2.01	0.157	
155	SA1	200	354	-0.78	7.40	0.007	2.25	1.73	0.189	-0.05	3.15	0.076	Uniform<
156	SA2	200	354	-0.25	1.61	0.204	-1.21	1.35	0.245	0.02	0.89	0.347	
157	SA1	246	314	-0.82	7.59	0.006	0.20	0.03	0.873	-0.02	0.67	0.412	Uniform<
158	SA1	246	314	-0.26	1.34	0.247	0.76	0.42	0.518	-0.02	0.78	0.377	
159	SA1	246	314	-0.20	0.38	0.538	0.28	0.04	0.835	-0.01	0.14	0.712	
160	SA2	246	314	-0.08	0.22	0.640	-0.21	0.03	0.863	0.00	0.01	0.914	
161	SA1	246	314	-0.44	5.49	0.019	0.51	0.13	0.715	-0.02	0.47	0.492	
162	SA1	246	314	-0.31	1.70	0.192	-3.91	3.28	0.070	0.06	2.85	0.091	
163	SA2	246	314	-0.39	3.79	0.052	0.48	0.19	0.663	-0.02	0.64	0.422	
164	SA1	218	397	0.30	1.35	0.245	0.13	0.01	0.910	0.00	0.02	0.876	
165	SA1	218	397	0.05	0.05	0.819	0.49	0.20	0.652	-0.01	0.17	0.678	
166	SA1	218	397	-0.06	0.02	0.876	-0.17	0.01	0.910	0.00	0.01	0.940	
167	SA2	218	397	-0.46	5.96	0.015	-2.89	5.25	0.022	0.05	3.93	0.047	
168	SA1	218	397	-0.33	2.93	0.087	-0.85	0.40	0.528	0.01	0.15	0.698	
169	SA1	218	397	0.05	0.05	0.824	-0.12	0.00	0.946	0.00	0.01	0.924	
170	SA2	218	397	-0.66	12.54	0.000	0.78	0.67	0.413	-0.03	2.38	0.123	Uniform<

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.101: Logistic Regression DIF Results on Stage I Speaking Items for the American Indian Language/English Comparison**

Focal Group: American Indian; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
140	SA1	11	403	0.18	0.03	0.87	-2.35	0.11	0.75	0.05	0.12	0.73	
141	SA1	11	403	-0.80	1.21	0.27	-13.43	1.03	0.31	0.26	0.84	0.36	
142	SA1	11	403	-0.88	0.64	0.42	-2.83	0.15	0.70	0.04	0.07	0.79	
143	SA2	71	1468	-0.21	0.74	0.39	-2.92	2.96	0.09	0.05	2.58	0.11	
144	SA2	11	403	-0.32	0.24	0.62	-2.86	0.47	0.49	0.05	0.37	0.54	
145	SA1	71	1468	-0.56	4.64	0.03	-4.08	3.11	0.08	0.07	2.38	0.12	
146	SA1	11	403	0.69	1.25	0.26	-6.27	1.49	0.22	0.13	1.94	0.16	
147	SA1	11	403	-0.49	0.35	0.55	-386.48	0.75	0.39	6.29	0.75	0.39	
148	SA2	71	1468	-0.14	0.26	0.61	-1.76	1.00	0.32	0.03	0.86	0.35	
149	SA2	11	403	0.16	0.06	0.81	0.63	0.02	0.88	-0.01	0.01	0.91	
150	SA1	35	354	-0.98	3.76	0.05	-3.11	2.05	0.15	0.04	0.99	0.32	
151	SA1	35	354	-1.05	6.10	0.01	0.27	0.02	0.89	-0.03	0.45	0.50	
152	SA1	35	354	0.22	0.12	0.73	-6.48	4.65	0.03	0.16	4.25	0.04	
153	SA2	35	354	-0.09	0.04	0.83	-2.48	1.41	0.23	0.05	1.39	0.24	
154	SA1	35	354	-0.27	0.50	0.48	-1.87	0.43	0.51	0.03	0.32	0.57	
155	SA1	35	354	-0.33	0.35	0.55	0.78	0.04	0.84	-0.02	0.08	0.77	
156	SA2	35	354	-0.64	3.02	0.08	-4.26	2.28	0.13	0.07	1.70	0.19	
157	SA1	9	314	11.90	0.00	0.98	11.70	0.00	0.98	-0.07	0.00	0.99	
158	SA1	9	314	0.81	0.52	0.47	-0.68	0.01	0.92	0.03	0.05	0.82	
159	SA1	9	314	11.92	0.00	0.98	11.58	0.00	0.98	-0.07	0.00	0.99	
160	SA2	9	314	0.44	0.44	0.51	-3.33	0.38	0.54	0.07	0.51	0.48	
161	SA1	9	314	-0.31	0.16	0.69	-376.05	0.66	0.42	7.03	0.66	0.42	
162	SA1	9	314	-0.55	0.25	0.61	87.94	0.04	0.85	-2.13	0.04	0.85	
163	SA2	9	314	0.33	0.15	0.70	7.66	2.20	0.14	-0.14	2.28	0.13	
164	SA1	16	397	0.92	0.78	0.38	-11.74	0.91	0.34	0.28	0.95	0.33	
165	SA1	16	397	-0.35	0.37	0.54	-6.94	1.18	0.28	0.13	1.07	0.30	
166	SA1	16	397	-0.42	0.16	0.69	3.19	0.14	0.71	-0.07	0.19	0.67	
167	SA2	16	397	-0.76	1.45	0.23	-2.17	0.15	0.70	0.03	0.07	0.80	
168	SA1	16	397	-0.50	0.84	0.36	-4.56	0.50	0.48	0.08	0.40	0.53	
169	SA1	16	397	0.24	0.12	0.73	0.17	0.00	0.98	0.00	0.00	0.99	
170	SA2	16	397	-0.21	0.13	0.72	-0.69	0.02	0.88	0.01	0.01	0.92	

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.102: Logistic Regression DIF Results on Stage I Speaking Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
140	SA1	2694	532	-0.31	4.18	0.041	-1.05	2.28	0.131	0.02	1.20	0.273	
141	SA1	2694	532	0.16	1.79	0.181	0.51	0.53	0.467	-0.01	0.25	0.615	
142	SA1	2694	532	-0.17	0.50	0.478	0.44	0.23	0.634	-0.01	0.45	0.503	
143	SA2	11030	2054	-0.65	135.53	0.000	-1.05	12.80	0.000	0.01	1.91	0.167	Uniform<
144	SA2	2694	532	-0.71	35.35	0.000	-1.15	3.85	0.050	0.01	0.59	0.441	Uniform<
145	SA1	11030	2054	-0.17	10.81	0.001	-0.17	0.25	0.614	0.00	0.00	1.000	Uniform<
146	SA1	2694	532	-0.14	1.73	0.188	-0.41	0.40	0.527	0.00	0.18	0.673	
147	SA1	2694	532	-0.51	21.19	0.000	-1.04	1.83	0.176	0.01	0.49	0.482	Uniform<
148	SA2	11030	2054	-0.44	57.43	0.000	-1.30	18.12	0.000	0.02	8.22	0.004	NonUniform
149	SA2	2694	532	-0.48	19.78	0.000	-1.83	9.54	0.002	0.03	5.36	0.021	Uniform<
150	SA1	2691	509	-0.07	0.19	0.662	-0.27	0.11	0.737	0.00	0.06	0.802	
151	SA1	2691	509	-0.06	0.21	0.647	-0.18	0.07	0.793	0.00	0.03	0.857	
152	SA1	2691	509	-0.04	0.04	0.835	-1.29	2.35	0.126	0.03	2.38	0.123	
153	SA2	2691	509	-0.36	7.91	0.005	-0.16	0.06	0.804	0.00	0.10	0.756	Uniform<
154	SA1	2691	509	-0.12	1.38	0.241	0.48	0.43	0.514	-0.01	0.69	0.407	
155	SA1	2691	509	-0.68	23.86	0.000	-0.58	0.32	0.571	0.00	0.01	0.919	Uniform<
156	SA2	2691	509	-0.59	24.11	0.000	-1.85	8.90	0.003	0.03	4.28	0.038	Uniform<
157	SA1	2706	512	-0.19	1.36	0.243	-0.51	0.45	0.503	0.01	0.18	0.672	
158	SA1	2706	512	-0.75	28.91	0.000	-0.64	0.79	0.374	0.00	0.02	0.876	Uniform<
159	SA1	2706	512	-0.16	0.64	0.422	-2.39	6.02	0.014	0.05	5.85	0.016	
160	SA2	2706	512	0.01	0.01	0.915	-0.38	0.31	0.575	0.01	0.34	0.560	
161	SA1	2706	512	-0.32	9.19	0.002	0.66	0.69	0.406	-0.02	1.56	0.211	Uniform<
162	SA1	2706	512	-0.45	13.76	0.000	-3.03	14.26	0.000	0.05	10.39	0.001	NonUniform
163	SA2	2706	512	-0.49	16.04	0.000	-1.66	7.31	0.007	0.02	3.77	0.052	Uniform<
164	SA1	2939	501	-0.13	0.83	0.361	-0.52	0.53	0.465	0.01	0.31	0.577	
165	SA1	2939	501	-0.31	6.27	0.012	0.20	0.08	0.777	-0.01	0.53	0.468	
166	SA1	2939	501	-0.22	1.09	0.296	0.34	0.14	0.710	-0.01	0.39	0.533	
167	SA2	2939	501	0.27	6.35	0.012	-0.59	0.66	0.415	0.02	1.45	0.229	
168	SA1	2939	501	-0.41	14.10	0.000	-1.46	4.83	0.028	0.02	2.57	0.109	Uniform<
169	SA1	2939	501	0.20	1.92	0.166	-1.84	3.56	0.059	0.04	4.36	0.037	
170	SA2	2939	501	-0.46	14.85	0.000	-0.56	0.74	0.390	0.00	0.03	0.874	Uniform<

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.103: Logistic Regression DIF Results on Stage I Speaking Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
140	SA1	2326	900	-0.18	2.30	0.129	1.13	4.73	0.030	-0.03	6.54	0.011	Uniform<
141	SA1	2326	900	-0.34	11.16	0.001	0.24	0.20	0.657	-0.01	1.18	0.278	
142	SA1	2326	900	-0.30	2.68	0.102	-0.33	0.20	0.656	0.00	0.00	0.977	
143	SA2	9714	3370	-0.04	1.01	0.315	0.83	13.49	0.000	-0.02	15.48	0.000	NonUniform
144	SA2	2326	900	-0.03	0.13	0.719	0.95	4.38	0.036	-0.02	4.83	0.028	
145	SA1	9714	3370	0.01	0.09	0.765	-0.18	0.47	0.493	0.00	0.55	0.456	
146	SA1	2326	900	-0.11	1.55	0.213	-0.18	0.13	0.723	0.00	0.02	0.887	Uniform>
147	SA1	2326	900	-0.16	2.60	0.107	0.44	0.41	0.524	-0.01	0.77	0.381	
148	SA2	9714	3370	0.09	3.70	0.055	0.40	2.82	0.093	-0.01	1.79	0.180	
149	SA2	2326	900	-0.09	1.17	0.280	0.26	0.28	0.599	-0.01	0.52	0.471	NonUniform
150	SA1	2390	810	0.58	22.68	0.000	1.08	3.96	0.047	-0.01	0.89	0.346	
151	SA1	2390	810	0.36	12.08	0.001	1.95	11.89	0.001	-0.03	8.19	0.004	
152	SA1	2390	810	0.45	11.90	0.001	0.99	3.01	0.083	-0.01	0.92	0.336	Uniform>
153	SA2	2390	810	0.20	4.42	0.035	1.16	5.99	0.014	-0.02	4.20	0.040	
154	SA1	2390	810	-0.09	1.08	0.299	-0.02	0.00	0.971	0.00	0.02	0.898	
155	SA1	2390	810	-0.09	0.44	0.510	1.10	1.24	0.266	-0.02	1.49	0.223	Uniform>
156	SA2	2390	810	0.17	3.45	0.063	0.45	0.88	0.347	-0.01	0.36	0.550	
157	SA1	2308	910	0.16	1.91	0.167	0.22	0.21	0.644	0.00	0.02	0.902	
158	SA1	2308	910	0.24	6.16	0.013	1.09	4.53	0.033	-0.02	2.88	0.090	Uniform<
159	SA1	2308	910	0.31	4.96	0.026	0.97	3.29	0.070	-0.01	1.63	0.201	
160	SA2	2308	910	0.06	0.55	0.457	0.26	0.25	0.619	0.00	0.15	0.700	
161	SA1	2308	910	0.08	0.88	0.347	1.10	3.39	0.066	-0.02	2.98	0.084	Uniform>
162	SA1	2308	910	-0.30	7.72	0.005	-1.88	7.42	0.006	0.03	5.37	0.020	
163	SA2	2308	910	0.19	4.84	0.028	0.33	0.57	0.451	0.00	0.10	0.751	
164	SA1	2690	750	0.37	11.06	0.001	1.16	4.77	0.029	-0.02	2.28	0.131	Uniform>
165	SA1	2690	750	0.18	3.46	0.063	0.73	1.64	0.200	-0.01	0.94	0.332	
166	SA1	2690	750	0.02	0.02	0.898	0.77	1.33	0.250	-0.02	1.31	0.252	
167	SA2	2690	750	0.16	3.08	0.079	0.32	0.29	0.592	0.00	0.08	0.783	Uniform>
168	SA1	2690	750	0.18	3.90	0.048	0.55	0.87	0.351	-0.01	0.41	0.524	
169	SA1	2690	750	0.25	4.27	0.039	1.32	1.96	0.162	-0.02	1.31	0.252	
170	SA2	2690	750	0.25	7.07	0.008	0.92	3.09	0.079	-0.01	1.70	0.192	Uniform>

Note: SA1=1 Point Short Answer Item, SA2=2 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.104: Logistic Regression DIF Results on Stage II Reading Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
				$\chi^2$				$\chi^2$			$\chi^2$		
1	MC	3802	4390	-0.14	2.83	0.092	0.22	0.52	0.471	-0.01	1.49	0.223	
2	MC	3802	4390	0.08	2.72	0.099	0.22	1.35	0.245	0.00	0.58	0.446	
3	MC	3802	4390	0.02	0.22	0.636	0.29	2.87	0.090	0.00	2.65	0.104	
4	MC	3802	4390	-0.11	6.59	0.010	0.15	0.82	0.364	0.00	2.73	0.098	
5	MC	3802	4390	0.04	0.71	0.400	0.07	0.14	0.711	0.00	0.03	0.869	
6	MC	3802	4390	-0.07	1.93	0.164	0.31	2.60	0.107	-0.01	4.10	0.043	
7	MC	3802	4390	-0.05	1.25	0.263	0.08	0.17	0.683	0.00	0.49	0.485	
8	MC	944	1100	-0.14	2.20	0.138	0.12	0.09	0.767	0.00	0.45	0.504	
9	MC	944	1100	-0.10	1.00	0.318	-0.28	0.47	0.491	0.00	0.20	0.654	
10	MC	944	1100	0.52	6.33	0.012	0.58	0.53	0.467	0.00	0.00	0.945	
11	MC	944	1100	-0.01	0.02	0.893	-0.06	0.03	0.869	0.00	0.02	0.892	
12	MC	944	1100	-0.04	0.21	0.649	0.06	0.02	0.895	0.00	0.06	0.809	
13	MC	944	1100	0.12	1.52	0.218	0.29	0.56	0.453	0.00	0.20	0.655	
14	MC	944	1100	-0.20	3.74	0.053	-0.39	0.78	0.378	0.00	0.20	0.656	
15	MC	944	1100	0.14	2.15	0.143	0.50	1.48	0.224	-0.01	0.80	0.371	
16	MC	944	1100	0.02	0.03	0.869	0.14	0.09	0.761	0.00	0.08	0.784	
17	MC	944	1100	0.01	0.01	0.915	-0.08	0.03	0.854	0.00	0.05	0.827	
18	MC	944	1100	-0.04	0.13	0.720	0.43	1.28	0.257	-0.01	1.61	0.205	
19	MC	944	1100	-0.11	1.27	0.259	0.36	0.75	0.385	-0.01	1.35	0.244	
20	MC	944	1100	-0.02	0.05	0.826	-0.86	5.67	0.017	0.02	5.79	0.016	
21	MC	944	1100	0.10	1.24	0.265	-0.44	1.41	0.236	0.01	2.28	0.131	
22	MC	944	1100	0.03	0.10	0.753	0.64	2.55	0.110	-0.01	2.45	0.117	
23	MC	944	1100	-0.02	0.03	0.857	-0.55	1.59	0.207	0.01	1.57	0.210	
24	MC	944	1100	0.04	0.14	0.712	-0.53	1.59	0.208	0.01	1.91	0.167	
25	MC	944	1100	-0.14	2.00	0.157	-0.22	0.27	0.605	0.00	0.04	0.847	
26	MC	944	1100	0.09	0.85	0.358	-0.26	0.41	0.522	0.01	0.78	0.376	
27	MC	966	1145	0.01	0.01	0.905	0.62	2.11	0.146	-0.01	2.17	0.141	
28	MC	966	1145	-0.18	0.76	0.383	-0.21	0.08	0.780	0.00	0.00	0.966	
29	MC	966	1145	-0.34	5.83	0.016	-0.81	2.21	0.137	0.01	0.79	0.373	
30	MC	966	1145	-0.14	2.18	0.139	-0.02	0.00	0.951	0.00	0.10	0.751	
31	MC	966	1145	0.12	1.52	0.218	0.06	0.02	0.882	0.00	0.02	0.876	
32	MC	966	1145	-0.04	0.17	0.681	0.99	7.70	0.006	-0.02	8.92	0.003	NonUniform
33	MC	966	1145	0.15	2.13	0.144	1.13	6.88	0.009	-0.02	5.50	0.019	
34	MC	966	1145	0.04	0.13	0.715	-0.37	0.74	0.389	0.01	0.94	0.331	
35	MC	966	1145	-0.01	0.01	0.924	0.40	1.33	0.249	-0.01	1.48	0.223	
36	MC	966	1145	0.20	3.05	0.081	-0.23	0.26	0.608	0.01	0.99	0.319	
37	MC	966	1145	0.09	0.83	0.363	0.30	0.70	0.402	0.00	0.38	0.537	
38	MC	966	1145	-0.04	0.24	0.627	-0.18	0.24	0.622	0.00	0.15	0.702	
39	MC	966	1145	-0.07	0.62	0.430	-0.13	0.11	0.735	0.00	0.02	0.887	
40	MC	966	1145	0.01	0.01	0.919	-1.14	8.66	0.003	0.02	9.36	0.002	NonUniform
41	MC	966	1145	0.11	1.34	0.247	-0.01	0.00	0.982	0.00	0.10	0.753	
42	MC	966	1145	0.04	0.15	0.700	-0.35	0.89	0.346	0.01	1.16	0.282	
43	MC	966	1145	-0.01	0.00	0.955	0.19	0.26	0.614	0.00	0.29	0.590	
44	MC	966	1145	0.05	0.25	0.618	0.25	0.41	0.523	0.00	0.28	0.594	
45	MC	966	1145	-0.03	0.13	0.717	0.78	4.38	0.036	-0.02	5.08	0.024	
46	MC	903	1056	-0.14	1.76	0.185	0.17	0.16	0.688	-0.01	0.60	0.438	
47	MC	903	1056	0.06	0.05	0.831	-0.54	0.31	0.577	0.01	0.41	0.520	
48	MC	903	1056	-0.14	1.68	0.195	0.34	0.52	0.471	-0.01	1.10	0.295	
49	MC	903	1056	0.02	0.02	0.876	0.18	0.20	0.657	0.00	0.18	0.676	
50	MC	903	1056	0.12	1.39	0.238	0.26	0.41	0.523	0.00	0.13	0.717	
51	MC	903	1056	0.11	0.87	0.351	0.15	0.08	0.780	0.00	0.01	0.935	
52	MC	903	1056	-0.17	3.00	0.083	0.48	1.52	0.218	-0.01	2.97	0.085	
53	MC	903	1056	0.17	2.40	0.121	0.56	1.48	0.225	-0.01	0.77	0.379	
54	MC	903	1056	-0.30	10.74	0.001	-0.31	0.82	0.366	0.00	0.00	0.983	Uniform<
55	MC	903	1056	-0.19	1.49	0.222	0.30	0.27	0.602	-0.01	0.78	0.379	
56	MC	903	1056	-0.01	0.00	0.955	0.79	2.46	0.117	-0.02	2.63	0.105	
57	MC	903	1056	0.02	0.06	0.802	0.20	0.25	0.615	0.00	0.21	0.649	
58	MC	903	1056	0.05	0.22	0.639	0.11	0.09	0.766	0.00	0.03	0.855	
59	MC	903	1056	0.05	0.32	0.572	-0.39	1.14	0.286	0.01	1.59	0.208	
60	MC	903	1056	0.17	3.03	0.082	-0.45	1.35	0.245	0.01	2.72	0.099	
61	MC	903	1056	-0.04	0.22	0.639	0.33	0.96	0.326	-0.01	1.33	0.249	
62	MC	903	1056	0.01	0.01	0.939	-0.57	2.01	0.157	0.01	2.20	0.138	
63	MC	903	1056	0.08	0.68	0.410	-0.42	1.37	0.241	0.01	2.07	0.150	
64	MC	903	1056	0.24	6.41	0.011	0.35	0.91	0.339	0.00	0.10	0.757	
65	MC	989	1089	-0.06	0.34	0.561	0.98	5.44	0.020	-0.02	6.61	0.010	
66	MC	989	1089	0.71	8.66	0.003	0.99	1.35	0.245	-0.01	0.12	0.734	Uniform>
67	MC	989	1089	-0.24	5.35	0.021	-0.94	4.68	0.031	0.01	2.78	0.096	
68	MC	989	1089	0.00	0.00	0.996	0.03	0.01	0.943	0.00	0.01	0.942	
69	MC	989	1089	-0.06	0.38	0.536	-0.30	0.56	0.454	0.00	0.38	0.538	

**Table F.104: Logistic Regression DIF Results on Stage II Reading Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
70	MC	989	1089	-0.04	0.17	0.685	0.19	0.32	0.570	0.00	0.49	0.483	
71	MC	989	1089	0.16	1.82	0.177	-0.03	0.00	0.957	0.00	0.14	0.704	
72	MC	989	1089	-0.03	0.11	0.742	0.02	0.00	0.963	0.00	0.02	0.901	
73	MC	989	1089	0.01	0.02	0.896	-0.54	2.30	0.130	0.01	2.57	0.109	
74	MC	989	1089	-0.08	0.69	0.407	0.22	0.33	0.568	-0.01	0.67	0.412	
75	MC	989	1089	0.01	0.02	0.902	-0.57	2.77	0.096	0.01	3.10	0.078	
76	MC	989	1089	0.10	1.08	0.299	-0.45	0.98	0.321	0.01	1.57	0.210	
77	MC	989	1089	0.12	1.63	0.202	-0.11	0.07	0.786	0.00	0.36	0.551	
78	MC	989	1089	-0.03	0.11	0.737	-0.02	0.00	0.964	0.00	0.00	0.975	
79	MC	989	1089	-0.17	3.37	0.067	0.02	0.00	0.953	0.00	0.30	0.586	
80	MC	989	1089	-0.15	2.23	0.136	-0.62	2.64	0.104	0.01	1.65	0.199	
81	MC	989	1089	0.18	3.17	0.075	-1.13	6.57	0.010	0.02	9.25	0.002	NonUniform
82	MC	989	1089	-0.09	1.05	0.304	-0.17	0.22	0.642	0.00	0.04	0.835	
83	MC	989	1089	0.07	0.56	0.455	-0.40	1.20	0.274	0.01	1.76	0.184	
189	SA1	3802	4390	-0.08	2.95	0.086	0.09	0.25	0.617	0.00	0.98	0.322	
191	SA3	3802	4390	-0.06	2.20	0.138	0.36	3.66	0.056	-0.01	5.37	0.020	
192	SA1	944	1100	0.02	0.04	0.835	0.16	0.18	0.673	0.00	0.15	0.703	
193	SA1	944	1100	0.00	0.00	0.995	0.00	0.00	0.995	0.00	0.00	0.994	
202	SA3	944	1100	-0.44	18.85	0.000	-0.20	0.15	0.700	0.00	0.25	0.620	Uniform<
203	SA3	944	1100	-0.36	9.49	0.002	0.76	1.57	0.210	-0.02	3.53	0.060	Uniform<
204	SA1	966	1145	-0.24	6.66	0.010	0.08	0.05	0.823	-0.01	0.88	0.349	Uniform<
212	SA3	966	1145	-0.24	7.51	0.006	0.30	0.62	0.430	-0.01	2.09	0.148	Uniform<
213	SA3	966	1145	-0.38	17.10	0.000	0.55	1.54	0.214	-0.02	4.68	0.030	Uniform<
214	SA3	966	1145	-0.15	2.45	0.118	0.15	0.11	0.739	-0.01	0.45	0.502	
215	SA1	903	1056	-0.05	0.25	0.617	0.23	0.37	0.542	-0.01	0.59	0.442	
216	SA1	903	1056	0.06	0.33	0.568	-0.49	1.69	0.193	0.01	2.25	0.134	
224	SA3	903	1056	-0.24	7.46	0.006	0.09	0.06	0.808	-0.01	0.89	0.346	Uniform<
225	SA3	903	1056	-0.26	6.29	0.012	-0.29	0.35	0.555	0.00	0.00	0.947	
226	SA1	989	1089	-0.06	0.48	0.488	-0.32	0.87	0.352	0.00	0.60	0.440	
234	SA3	989	1089	-0.42	19.89	0.000	-0.26	0.35	0.553	0.00	0.14	0.710	Uniform<
235	SA3	989	1089	0.08	0.62	0.432	0.44	1.13	0.287	-0.01	0.81	0.368	
236	SA3	989	1089	-0.27	6.23	0.013	1.14	3.51	0.061	-0.02	5.53	0.019	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.105: Logistic Regression DIF Results on Stage II Reading Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	7240	952	-0.05	0.17	0.684	0.22	0.20	0.656	-0.01	0.34	0.563	NonUniform
2	MC	7240	952	-0.05	0.38	0.538	0.21	0.54	0.461	0.00	0.86	0.352	
3	MC	7240	952	-0.02	0.09	0.770	-0.35	1.83	0.176	0.01	1.76	0.185	
4	MC	7240	952	-0.07	0.94	0.331	0.17	0.44	0.508	0.00	0.92	0.336	
5	MC	7240	952	-0.01	0.01	0.924	-0.28	0.96	0.326	0.00	0.98	0.321	
6	MC	7240	952	0.04	0.31	0.578	0.06	0.05	0.829	0.00	0.01	0.938	
7	MC	7240	952	-0.13	3.08	0.079	0.26	0.68	0.410	-0.01	1.65	0.199	
8	MC	1821	223	-0.33	4.16	0.041	-0.31	0.23	0.635	0.00	0.00	0.974	
9	MC	1821	223	0.10	0.32	0.573	-1.79	8.67	0.003	0.03	10.92	0.001	
10	MC	1821	223	-0.03	0.01	0.942	0.24	0.03	0.858	-0.01	0.04	0.839	
11	MC	1821	223	-0.03	0.05	0.829	0.15	0.06	0.801	0.00	0.10	0.752	
12	MC	1821	223	-0.02	0.02	0.887	-0.01	0.00	0.986	0.00	0.00	0.987	
13	MC	1821	223	0.04	0.05	0.821	-0.83	1.94	0.164	0.02	2.34	0.126	NonUniform
14	MC	1821	223	-0.09	0.30	0.582	-0.20	0.08	0.781	0.00	0.02	0.881	
15	MC	1821	223	-0.22	1.80	0.179	-0.07	0.01	0.912	0.00	0.05	0.824	
16	MC	1821	223	-0.01	0.01	0.927	0.71	0.88	0.348	-0.01	0.96	0.327	
17	MC	1821	223	0.15	0.67	0.413	-0.41	0.38	0.538	0.01	0.77	0.382	
18	MC	1821	223	-0.11	0.47	0.493	1.84	8.16	0.004	-0.03	10.03	0.002	
19	MC	1821	223	-0.30	3.72	0.054	-0.47	0.55	0.460	0.00	0.07	0.787	
20	MC	1821	223	0.02	0.01	0.909	0.88	2.29	0.130	-0.01	2.37	0.124	
21	MC	1821	223	-0.04	0.07	0.796	0.48	0.66	0.418	-0.01	0.82	0.366	
22	MC	1821	223	-0.05	0.12	0.730	-0.01	0.00	0.991	0.00	0.01	0.939	
23	MC	1821	223	-0.14	0.74	0.388	1.43	3.34	0.068	-0.03	4.17	0.041	Uniform>
24	MC	1821	223	0.20	1.57	0.211	-0.60	0.92	0.338	0.01	1.74	0.187	
25	MC	1821	223	0.38	5.52	0.019	-0.12	0.04	0.848	0.01	0.65	0.421	
26	MC	1821	223	0.15	0.92	0.339	-0.39	0.42	0.515	0.01	0.85	0.355	
27	MC	1842	269	-0.25	1.94	0.163	-1.18	3.11	0.078	0.02	2.13	0.144	
28	MC	1842	269	0.70	6.64	0.010	0.27	0.08	0.782	0.01	0.21	0.649	
29	MC	1842	269	-0.20	0.72	0.396	-0.58	0.43	0.512	0.01	0.20	0.656	
30	MC	1842	269	-0.38	7.57	0.006	-0.56	1.04	0.307	0.00	0.12	0.731	Uniform<
31	MC	1842	269	-0.20	1.89	0.169	0.40	0.41	0.521	-0.01	0.97	0.324	
32	MC	1842	269	-0.01	0.01	0.932	-1.06	4.02	0.045	0.02	4.30	0.038	
33	MC	1842	269	-0.21	1.80	0.179	0.28	0.16	0.687	-0.01	0.52	0.469	
34	MC	1842	269	-0.22	2.10	0.148	0.19	0.08	0.781	-0.01	0.38	0.539	
35	MC	1842	269	-0.16	1.49	0.222	0.71	1.67	0.196	-0.02	2.70	0.101	
36	MC	1842	269	0.18	1.10	0.294	2.05	7.35	0.007	-0.04	6.24	0.012	
37	MC	1842	269	0.26	3.13	0.077	1.08	3.45	0.063	-0.01	2.17	0.141	
38	MC	1842	269	-0.02	0.02	0.900	0.14	0.07	0.798	0.00	0.09	0.766	
39	MC	1842	269	0.14	1.00	0.318	0.35	0.37	0.543	0.00	0.14	0.708	
40	MC	1842	269	-0.06	0.16	0.694	0.76	1.54	0.215	-0.01	1.87	0.172	Uniform<
41	MC	1842	269	0.04	0.09	0.761	-0.38	0.45	0.505	0.01	0.59	0.444	
42	MC	1842	269	0.13	0.85	0.356	-0.05	0.01	0.930	0.00	0.11	0.739	
43	MC	1842	269	0.19	1.74	0.187	0.00	0.00	0.993	0.00	0.13	0.720	
44	MC	1842	269	0.02	0.01	0.905	0.82	1.68	0.194	-0.01	1.71	0.191	
45	MC	1842	269	-0.12	0.80	0.373	-1.04	3.81	0.051	0.02	3.16	0.075	
46	MC	1731	228	-0.13	0.58	0.446	1.21	3.15	0.076	-0.03	4.00	0.046	
47	MC	1731	228	0.33	0.78	0.378	0.27	0.04	0.833	0.00	0.00	0.956	
48	MC	1731	228	0.01	0.01	0.931	-0.81	1.55	0.213	0.02	1.74	0.187	
49	MC	1731	228	0.01	0.00	0.956	0.12	0.04	0.844	0.00	0.04	0.850	
50	MC	1731	228	-0.02	0.02	0.883	-1.23	4.92	0.027	0.02	5.09	0.024	
51	MC	1731	228	-0.04	0.04	0.844	0.65	0.56	0.453	-0.01	0.66	0.418	
52	MC	1731	228	-0.12	0.67	0.415	1.02	2.69	0.101	-0.02	3.58	0.058	Uniform<
53	MC	1731	228	0.06	0.12	0.726	0.08	0.01	0.908	0.00	0.00	0.976	
54	MC	1731	228	0.10	0.45	0.503	-0.20	0.16	0.686	0.01	0.38	0.536	
55	MC	1731	228	0.55	6.59	0.010	1.06	1.76	0.185	-0.01	0.44	0.505	
56	MC	1731	228	-0.15	0.67	0.411	-0.57	0.63	0.426	0.01	0.38	0.539	
57	MC	1731	228	-0.23	2.24	0.134	-0.06	0.01	0.923	0.00	0.09	0.768	
58	MC	1731	228	-0.08	0.26	0.608	0.06	0.01	0.918	0.00	0.06	0.804	
59	MC	1731	228	-0.17	1.38	0.240	0.33	0.36	0.550	-0.01	0.90	0.343	
60	MC	1731	228	-0.05	0.11	0.746	-0.95	3.06	0.080	0.02	2.96	0.085	
61	MC	1731	228	0.15	1.06	0.303	-0.19	0.14	0.705	0.01	0.49	0.484	
62	MC	1731	228	-0.09	0.38	0.538	-0.81	2.05	0.152	0.01	1.71	0.191	
63	MC	1731	228	-0.34	5.48	0.019	-0.22	0.18	0.668	0.00	0.05	0.821	Uniform<
64	MC	1731	228	-0.03	0.04	0.849	-0.56	1.11	0.291	0.01	1.08	0.299	
65	MC	1846	232	-0.26	1.91	0.167	0.62	0.83	0.362	-0.02	1.75	0.186	
66	MC	1846	232	0.45	2.15	0.143	1.18	1.33	0.248	-0.02	0.54	0.464	
67	MC	1846	232	-0.64	12.87	0.000	-0.37	0.29	0.589	-0.01	0.17	0.683	
68	MC	1846	232	0.05	0.10	0.757	-1.14	4.48	0.034	0.02	5.19	0.023	
69	MC	1846	232	0.31	3.60	0.058	0.07	0.01	0.916	0.00	0.14	0.705	
70	MC	1846	232	0.11	0.60	0.439	-0.37	0.51	0.474	0.01	0.95	0.329	

**Table F.105: Logistic Regression DIF Results on Stage II Reading Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	1846	232	-0.31	2.35	0.125	-1.30	3.39	0.066	0.02	2.19	0.139	
72	MC	1846	232	-0.27	2.50	0.114	-1.16	3.29	0.070	0.02	2.10	0.147	
73	MC	1846	232	0.20	1.95	0.163	0.72	1.54	0.215	-0.01	0.85	0.358	
74	MC	1846	232	0.08	0.22	0.635	0.49	0.68	0.410	-0.01	0.52	0.472	
75	MC	1846	232	-0.12	0.69	0.406	0.00	0.00	0.995	0.00	0.06	0.815	
76	MC	1846	232	0.30	3.36	0.067	-0.97	2.20	0.138	0.02	3.96	0.047	
77	MC	1846	232	0.12	0.57	0.449	0.49	0.58	0.446	-0.01	0.36	0.548	
78	MC	1846	232	-0.13	0.63	0.426	-1.32	4.34	0.037	0.02	3.74	0.053	
79	MC	1846	232	-0.20	1.83	0.176	-0.62	1.31	0.253	0.01	0.65	0.420	
80	MC	1846	232	-0.05	0.11	0.741	-0.40	0.49	0.483	0.01	0.40	0.525	
81	MC	1846	232	0.16	0.99	0.320	-0.47	0.51	0.477	0.01	0.96	0.327	
82	MC	1846	232	0.00	0.00	0.983	0.51	0.80	0.372	-0.01	0.85	0.358	
83	MC	1846	232	-0.10	0.49	0.485	-1.08	4.20	0.040	0.02	3.71	0.054	
189	SA1	7240	952	-0.05	0.52	0.471	0.09	0.12	0.728	0.00	0.32	0.574	
191	SA3	7240	952	-0.02	0.09	0.770	-0.12	0.18	0.672	0.00	0.13	0.715	
192	SA1	1821	223	-0.03	0.03	0.869	0.20	0.11	0.744	0.00	0.15	0.702	
193	SA1	1821	223	-0.05	0.12	0.728	0.70	1.24	0.265	-0.01	1.52	0.218	
202	SA3	1821	223	-0.29	3.68	0.055	-0.31	0.19	0.662	0.00	0.00	0.977	
203	SA3	1821	223	-0.36	4.64	0.031	-0.57	0.47	0.492	0.00	0.07	0.794	
204	SA1	1842	269	-0.41	7.45	0.006	0.51	0.75	0.385	-0.02	2.55	0.110	Uniform<
212	SA3	1842	269	0.05	0.16	0.690	-0.69	1.48	0.225	0.01	1.80	0.180	
213	SA3	1842	269	0.03	0.05	0.830	-0.42	0.43	0.514	0.01	0.51	0.476	
214	SA3	1842	269	-0.05	0.12	0.726	-0.01	0.00	0.987	0.00	0.00	0.956	
215	SA1	1731	228	-0.19	1.53	0.215	-0.04	0.01	0.939	0.00	0.08	0.778	
216	SA1	1731	228	-0.35	4.96	0.026	0.77	1.62	0.203	-0.02	3.60	0.058	
224	SA3	1731	228	-0.26	3.69	0.055	-0.40	0.59	0.443	0.00	0.08	0.776	
225	SA3	1731	228	0.05	0.09	0.765	-0.06	0.01	0.933	0.00	0.02	0.878	
226	SA1	1846	232	0.05	0.13	0.717	-0.18	0.13	0.723	0.00	0.23	0.634	
234	SA3	1846	232	-0.04	0.09	0.765	-0.68	1.08	0.299	0.01	1.00	0.317	
235	SA3	1846	232	0.35	5.26	0.022	1.63	5.94	0.015	-0.02	3.72	0.054	
236	SA3	1846	232	-0.59	13.66	0.000	0.07	0.01	0.939	-0.01	0.52	0.472	Uniform<

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.106: Logistic Regression DIF Results on Stage II Reading Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	7240	952	-0.05	0.17	0.684	0.22	0.20	0.656	-0.01	0.34	0.563	NonUniform
2	MC	7240	952	-0.05	0.38	0.538	0.21	0.54	0.461	0.00	0.86	0.352	
3	MC	7240	952	-0.02	0.09	0.770	-0.35	1.83	0.176	0.01	1.76	0.185	
4	MC	7240	952	-0.07	0.94	0.331	0.17	0.44	0.508	0.00	0.92	0.336	
5	MC	7240	952	-0.01	0.01	0.924	-0.28	0.96	0.326	0.00	0.98	0.321	
6	MC	7240	952	0.04	0.31	0.578	0.06	0.05	0.829	0.00	0.01	0.938	
7	MC	7240	952	-0.13	3.08	0.079	0.26	0.68	0.410	-0.01	1.65	0.199	
8	MC	1821	223	-0.33	4.16	0.041	-0.31	0.23	0.635	0.00	0.00	0.974	
9	MC	1821	223	0.10	0.32	0.573	-1.79	8.67	0.003	0.03	10.92	0.001	
10	MC	1821	223	-0.03	0.01	0.942	0.24	0.03	0.858	-0.01	0.04	0.839	
11	MC	1821	223	-0.03	0.05	0.829	0.15	0.06	0.801	0.00	0.10	0.752	
12	MC	1821	223	-0.02	0.02	0.887	-0.01	0.00	0.986	0.00	0.00	0.987	
13	MC	1821	223	0.04	0.05	0.821	-0.83	1.94	0.164	0.02	2.34	0.126	NonUniform
14	MC	1821	223	-0.09	0.30	0.582	-0.20	0.08	0.781	0.00	0.02	0.881	
15	MC	1821	223	-0.22	1.80	0.179	-0.07	0.01	0.912	0.00	0.05	0.824	
16	MC	1821	223	-0.01	0.01	0.927	0.71	0.88	0.348	-0.01	0.96	0.327	
17	MC	1821	223	0.15	0.67	0.413	-0.41	0.38	0.538	0.01	0.77	0.382	
18	MC	1821	223	-0.11	0.47	0.493	1.84	8.16	0.004	-0.03	10.03	0.002	
19	MC	1821	223	-0.30	3.72	0.054	-0.47	0.55	0.460	0.00	0.07	0.787	
20	MC	1821	223	0.02	0.01	0.909	0.88	2.29	0.130	-0.01	2.37	0.124	
21	MC	1821	223	-0.04	0.07	0.796	0.48	0.66	0.418	-0.01	0.82	0.366	
22	MC	1821	223	-0.05	0.12	0.730	-0.01	0.00	0.991	0.00	0.01	0.939	
23	MC	1821	223	-0.14	0.74	0.388	1.43	3.34	0.068	-0.03	4.17	0.041	
24	MC	1821	223	0.20	1.57	0.211	-0.60	0.92	0.338	0.01	1.74	0.187	Uniform>
25	MC	1821	223	0.38	5.52	0.019	-0.12	0.04	0.848	0.01	0.65	0.421	
26	MC	1821	223	0.15	0.92	0.339	-0.39	0.42	0.515	0.01	0.85	0.355	
27	MC	1842	269	-0.25	1.94	0.163	-1.18	3.11	0.078	0.02	2.13	0.144	
28	MC	1842	269	0.70	6.64	0.010	0.27	0.08	0.782	0.01	0.21	0.649	
29	MC	1842	269	-0.20	0.72	0.396	-0.58	0.43	0.512	0.01	0.20	0.656	
30	MC	1842	269	-0.38	7.57	0.006	-0.56	1.04	0.307	0.00	0.12	0.731	
31	MC	1842	269	-0.20	1.89	0.169	0.40	0.41	0.521	-0.01	0.97	0.324	
32	MC	1842	269	-0.01	0.01	0.932	-1.06	4.02	0.045	0.02	4.30	0.038	
33	MC	1842	269	-0.21	1.80	0.179	0.28	0.16	0.687	-0.01	0.52	0.469	
34	MC	1842	269	-0.22	2.10	0.148	0.19	0.08	0.781	-0.01	0.38	0.539	
35	MC	1842	269	-0.16	1.49	0.222	0.71	1.67	0.196	-0.02	2.70	0.101	Uniform<
36	MC	1842	269	0.18	1.10	0.294	2.05	7.35	0.007	-0.04	6.24	0.012	
37	MC	1842	269	0.26	3.13	0.077	1.08	3.45	0.063	-0.01	2.17	0.141	
38	MC	1842	269	-0.02	0.02	0.900	0.14	0.07	0.798	0.00	0.09	0.766	
39	MC	1842	269	0.14	1.00	0.318	0.35	0.37	0.543	0.00	0.14	0.708	
40	MC	1842	269	-0.06	0.16	0.694	0.76	1.54	0.215	-0.01	1.87	0.172	
41	MC	1842	269	0.04	0.09	0.761	-0.38	0.45	0.505	0.01	0.59	0.444	
42	MC	1842	269	0.13	0.85	0.356	-0.05	0.01	0.930	0.00	0.11	0.739	
43	MC	1842	269	0.19	1.74	0.187	0.00	0.00	0.993	0.00	0.13	0.720	
44	MC	1842	269	0.02	0.01	0.905	0.82	1.68	0.194	-0.01	1.71	0.191	
45	MC	1842	269	-0.12	0.80	0.373	-1.04	3.81	0.051	0.02	3.16	0.075	
46	MC	1731	228	-0.13	0.58	0.446	1.21	3.15	0.076	-0.03	4.00	0.046	Uniform<
47	MC	1731	228	0.33	0.78	0.378	0.27	0.04	0.833	0.00	0.00	0.956	
48	MC	1731	228	0.01	0.01	0.931	-0.81	1.55	0.213	0.02	1.74	0.187	
49	MC	1731	228	0.01	0.00	0.956	0.12	0.04	0.844	0.00	0.04	0.850	
50	MC	1731	228	-0.02	0.02	0.883	-1.23	4.92	0.027	0.02	5.09	0.024	
51	MC	1731	228	-0.04	0.04	0.844	0.65	0.56	0.453	-0.01	0.66	0.418	
52	MC	1731	228	-0.12	0.67	0.415	1.02	2.69	0.101	-0.02	3.58	0.058	
53	MC	1731	228	0.06	0.12	0.726	0.08	0.01	0.908	0.00	0.00	0.976	
54	MC	1731	228	0.10	0.45	0.503	-0.20	0.16	0.686	0.01	0.38	0.536	
55	MC	1731	228	0.55	6.59	0.010	1.06	1.76	0.185	-0.01	0.44	0.505	
56	MC	1731	228	-0.15	0.67	0.411	-0.57	0.63	0.426	0.01	0.38	0.539	
57	MC	1731	228	-0.23	2.24	0.134	-0.06	0.01	0.923	0.00	0.09	0.768	
58	MC	1731	228	-0.08	0.26	0.608	0.06	0.01	0.918	0.00	0.06	0.804	Uniform<
59	MC	1731	228	-0.17	1.38	0.240	0.33	0.36	0.550	-0.01	0.90	0.343	
60	MC	1731	228	-0.05	0.11	0.746	-0.95	3.06	0.080	0.02	2.96	0.085	
61	MC	1731	228	0.15	1.06	0.303	-0.19	0.14	0.705	0.01	0.49	0.484	
62	MC	1731	228	-0.09	0.38	0.538	-0.81	2.05	0.152	0.01	1.71	0.191	
63	MC	1731	228	-0.34	5.48	0.019	-0.22	0.18	0.668	0.00	0.05	0.821	
64	MC	1731	228	-0.03	0.04	0.849	-0.56	1.11	0.291	0.01	1.08	0.299	
65	MC	1846	232	-0.26	1.91	0.167	0.62	0.83	0.362	-0.02	1.75	0.186	
66	MC	1846	232	0.45	2.15	0.143	1.18	1.33	0.248	-0.02	0.54	0.464	
67	MC	1846	232	-0.64	12.87	0.000	-0.37	0.29	0.589	-0.01	0.17	0.683	
68	MC	1846	232	0.05	0.10	0.757	-1.14	4.48	0.034	0.02	5.19	0.023	
69	MC	1846	232	0.31	3.60	0.058	0.07	0.01	0.916	0.00	0.14	0.705	
70	MC	1846	232	0.11	0.60	0.439	-0.37	0.51	0.474	0.01	0.95	0.329	

**Table F.106: Logistic Regression DIF Results on Stage II Reading Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	1846	232	-0.31	2.35	0.125	-1.30	3.39	0.066	0.02	2.19	0.139	
72	MC	1846	232	-0.27	2.50	0.114	-1.16	3.29	0.070	0.02	2.10	0.147	
73	MC	1846	232	0.20	1.95	0.163	0.72	1.54	0.215	-0.01	0.85	0.358	
74	MC	1846	232	0.08	0.22	0.635	0.49	0.68	0.410	-0.01	0.52	0.472	
75	MC	1846	232	-0.12	0.69	0.406	0.00	0.00	0.995	0.00	0.06	0.815	
76	MC	1846	232	0.30	3.36	0.067	-0.97	2.20	0.138	0.02	3.96	0.047	
77	MC	1846	232	0.12	0.57	0.449	0.49	0.58	0.446	-0.01	0.36	0.548	
78	MC	1846	232	-0.13	0.63	0.426	-1.32	4.34	0.037	0.02	3.74	0.053	
79	MC	1846	232	-0.20	1.83	0.176	-0.62	1.31	0.253	0.01	0.65	0.420	
80	MC	1846	232	-0.05	0.11	0.741	-0.40	0.49	0.483	0.01	0.40	0.525	
81	MC	1846	232	0.16	0.99	0.320	-0.47	0.51	0.477	0.01	0.96	0.327	
82	MC	1846	232	0.00	0.00	0.983	0.51	0.80	0.372	-0.01	0.85	0.358	
83	MC	1846	232	-0.10	0.49	0.485	-1.08	4.20	0.040	0.02	3.71	0.054	
189	SA1	7240	952	-0.05	0.52	0.471	0.09	0.12	0.728	0.00	0.32	0.574	
191	SA3	7240	952	-0.02	0.09	0.770	-0.12	0.18	0.672	0.00	0.13	0.715	
192	SA1	1821	223	-0.03	0.03	0.869	0.20	0.11	0.744	0.00	0.15	0.702	
193	SA1	1821	223	-0.05	0.12	0.728	0.70	1.24	0.265	-0.01	1.52	0.218	
202	SA3	1821	223	-0.29	3.68	0.055	-0.31	0.19	0.662	0.00	0.00	0.977	
203	SA3	1821	223	-0.36	4.64	0.031	-0.57	0.47	0.492	0.00	0.07	0.794	
204	SA1	1842	269	-0.41	7.45	0.006	0.51	0.75	0.385	-0.02	2.55	0.110	Uniform<
212	SA3	1842	269	0.05	0.16	0.690	-0.69	1.48	0.225	0.01	1.80	0.180	
213	SA3	1842	269	0.03	0.05	0.830	-0.42	0.43	0.514	0.01	0.51	0.476	
214	SA3	1842	269	-0.05	0.12	0.726	-0.01	0.00	0.987	0.00	0.00	0.956	
215	SA1	1731	228	-0.19	1.53	0.215	-0.04	0.01	0.939	0.00	0.08	0.778	
216	SA1	1731	228	-0.35	4.96	0.026	0.77	1.62	0.203	-0.02	3.60	0.058	
224	SA3	1731	228	-0.26	3.69	0.055	-0.40	0.59	0.443	0.00	0.08	0.776	
225	SA3	1731	228	0.05	0.09	0.765	-0.06	0.01	0.933	0.00	0.02	0.878	
226	SA1	1846	232	0.05	0.13	0.717	-0.18	0.13	0.723	0.00	0.23	0.634	
234	SA3	1846	232	-0.04	0.09	0.765	-0.68	1.08	0.299	0.01	1.00	0.317	
235	SA3	1846	232	0.35	5.26	0.022	1.63	5.94	0.015	-0.02	3.72	0.054	
236	SA3	1846	232	-0.59	13.66	0.000	0.07	0.01	0.939	-0.01	0.52	0.472	Uniform<

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.107: Logistic Regression DIF Results on Stage II Reading Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	780	7412	0.30	4.69	0.030	0.18	0.13	0.716	0.00	0.06	0.806	
2	MC	780	7412	0.08	1.01	0.315	0.21	0.52	0.470	0.00	0.22	0.641	
3	MC	780	7412	-0.17	5.10	0.024	-0.81	8.81	0.003	0.01	5.85	0.016	
4	MC	780	7412	-0.09	1.38	0.241	0.55	4.17	0.041	-0.01	6.12	0.013	
5	MC	780	7412	0.13	2.63	0.105	0.46	2.34	0.126	-0.01	1.29	0.256	
6	MC	780	7412	0.06	0.53	0.466	0.20	0.41	0.523	0.00	0.21	0.646	
7	MC	780	7412	0.05	0.32	0.569	0.66	4.54	0.033	-0.01	4.20	0.040	
8	MC	208	1836	0.06	0.15	0.700	0.05	0.01	0.941	0.00	0.00	0.979	
9	MC	208	1836	0.11	0.43	0.512	-0.03	0.00	0.964	0.00	0.06	0.812	
10	MC	208	1836	-0.44	2.89	0.089	-0.99	1.13	0.288	0.01	0.36	0.546	
11	MC	208	1836	-0.20	1.56	0.211	0.73	1.61	0.204	-0.02	2.80	0.094	
12	MC	208	1836	0.28	2.81	0.094	0.78	1.51	0.219	-0.01	0.68	0.409	
13	MC	208	1836	-0.11	0.45	0.502	-0.27	0.23	0.629	0.00	0.09	0.760	
14	MC	208	1836	0.02	0.02	0.895	0.72	1.36	0.244	-0.01	1.38	0.241	
15	MC	208	1836	0.41	6.44	0.011	0.21	0.11	0.744	0.00	0.11	0.743	
16	MC	208	1836	-0.10	0.34	0.562	-0.98	1.62	0.203	0.02	1.38	0.239	
17	MC	208	1836	-0.40	5.72	0.017	-0.92	2.22	0.136	0.01	0.77	0.379	
18	MC	208	1836	-0.06	0.15	0.702	-0.94	2.30	0.129	0.02	2.21	0.137	
19	MC	208	1836	0.26	2.61	0.106	-0.03	0.00	0.958	0.01	0.22	0.641	
20	MC	208	1836	-0.22	2.00	0.158	0.73	1.83	0.176	-0.02	3.31	0.069	
21	MC	208	1836	0.15	0.93	0.334	0.77	2.03	0.155	-0.01	1.43	0.231	
22	MC	208	1836	0.08	0.25	0.620	0.76	1.63	0.202	-0.01	1.40	0.237	
23	MC	208	1836	0.39	5.72	0.017	0.58	0.78	0.377	0.00	0.08	0.771	
24	MC	208	1836	0.33	4.11	0.043	0.14	0.04	0.832	0.00	0.09	0.762	
25	MC	208	1836	0.15	0.91	0.340	0.69	1.30	0.254	-0.01	0.85	0.357	
26	MC	208	1836	0.16	1.04	0.307	0.51	0.72	0.396	-0.01	0.36	0.550	
27	MC	209	1902	-0.23	1.91	0.167	-0.62	0.83	0.362	0.01	0.35	0.556	
28	MC	209	1902	-0.30	1.10	0.293	0.28	0.07	0.787	-0.01	0.34	0.559	
29	MC	209	1902	0.16	0.52	0.472	-0.51	0.31	0.577	0.02	0.56	0.456	
30	MC	209	1902	-0.16	0.93	0.334	-0.80	1.55	0.213	0.01	1.08	0.300	
31	MC	209	1902	0.27	2.86	0.091	0.59	0.97	0.325	-0.01	0.32	0.573	
32	MC	209	1902	0.29	3.31	0.069	0.15	0.06	0.801	0.00	0.06	0.807	
33	MC	209	1902	-0.01	0.00	0.952	-0.59	0.65	0.422	0.01	0.65	0.419	
34	MC	209	1902	0.24	2.12	0.145	-0.19	0.07	0.796	0.01	0.37	0.545	
35	MC	209	1902	-0.12	0.61	0.437	-0.77	1.72	0.190	0.01	1.32	0.251	
36	MC	209	1902	-0.30	3.11	0.078	-0.43	0.42	0.516	0.00	0.04	0.833	
37	MC	209	1902	-0.03	0.04	0.851	0.08	0.02	0.890	0.00	0.04	0.843	
38	MC	209	1902	0.04	0.05	0.822	0.29	0.25	0.615	-0.01	0.21	0.647	
39	MC	209	1902	0.15	0.94	0.333	0.98	3.01	0.083	-0.02	2.29	0.130	
40	MC	209	1902	0.28	3.20	0.074	1.03	3.23	0.072	-0.02	1.85	0.173	
41	MC	209	1902	0.08	0.23	0.634	0.84	2.09	0.148	-0.02	1.86	0.172	
42	MC	209	1902	0.04	0.08	0.781	-0.25	0.17	0.679	0.01	0.25	0.617	
43	MC	209	1902	0.07	0.19	0.659	1.57	7.37	0.007	-0.03	6.99	0.008	NonUniform
44	MC	209	1902	0.14	0.72	0.397	0.34	0.31	0.578	0.00	0.12	0.729	
45	MC	209	1902	0.33	4.40	0.036	0.67	1.36	0.244	-0.01	0.39	0.534	
46	MC	185	1774	0.19	1.13	0.287	-0.07	0.01	0.918	0.01	0.16	0.686	
47	MC	185	1774	-0.39	1.16	0.282	1.73	2.03	0.154	-0.05	3.76	0.052	
48	MC	185	1774	0.10	0.28	0.597	0.93	1.80	0.179	-0.02	1.57	0.210	
49	MC	185	1774	-0.15	0.70	0.403	-0.35	0.27	0.601	0.00	0.10	0.752	
50	MC	185	1774	-0.15	0.73	0.391	-0.21	0.10	0.752	0.00	0.01	0.923	
51	MC	185	1774	0.37	3.67	0.055	-0.19	0.04	0.834	0.01	0.40	0.529	
52	MC	185	1774	0.05	0.10	0.749	-0.09	0.02	0.890	0.00	0.05	0.816	
53	MC	185	1774	-0.05	0.08	0.771	-1.28	2.35	0.125	0.03	2.26	0.133	
54	MC	185	1774	-0.10	0.44	0.507	-0.14	0.07	0.789	0.00	0.01	0.938	
55	MC	185	1774	-0.07	0.08	0.774	0.69	0.71	0.398	-0.02	0.96	0.326	
56	MC	185	1774	0.09	0.26	0.611	0.18	0.05	0.821	0.00	0.01	0.911	
57	MC	185	1774	-0.15	0.78	0.377	0.12	0.03	0.855	-0.01	0.19	0.665	
58	MC	185	1774	-0.03	0.03	0.854	-0.42	0.46	0.498	0.01	0.43	0.513	
59	MC	185	1774	0.22	1.82	0.177	0.37	0.42	0.516	0.00	0.07	0.785	
60	MC	185	1774	0.33	3.84	0.050	0.54	0.83	0.363	0.00	0.15	0.703	
61	MC	185	1774	-0.04	0.08	0.781	-0.39	0.54	0.463	0.01	0.47	0.495	
62	MC	185	1774	0.49	8.43	0.004	0.81	1.78	0.182	-0.01	0.30	0.584	Uniform>
63	MC	185	1774	0.02	0.01	0.921	-0.80	1.79	0.181	0.02	2.03	0.154	
64	MC	185	1774	0.01	0.00	0.965	-0.45	0.55	0.459	0.01	0.62	0.432	
65	MC	178	1900	-0.55	9.93	0.002	-1.09	2.35	0.125	0.01	0.62	0.432	Uniform<
66	MC	178	1900	-0.48	2.35	0.125	-2.63	4.62	0.032	0.05	3.03	0.082	
67	MC	178	1900	0.20	1.31	0.252	1.46	4.68	0.031	-0.03	3.75	0.053	
68	MC	178	1900	0.05	0.10	0.756	0.90	1.94	0.163	-0.02	1.83	0.176	
69	MC	178	1900	-0.19	0.99	0.319	-0.28	0.12	0.726	0.00	0.01	0.910	
70	MC	178	1900	-0.18	1.22	0.270	-0.67	1.17	0.280	0.01	0.68	0.410	



**Table F.107: Logistic Regression DIF Results on Stage II Reading Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	178	1900	-0.31	2.70	0.100	0.18	0.05	0.820	-0.01	0.41	0.521	
72	MC	178	1900	-0.09	0.26	0.613	-0.60	0.51	0.476	0.01	0.38	0.536	
73	MC	178	1900	0.03	0.04	0.847	-0.48	0.52	0.471	0.01	0.63	0.428	
74	MC	178	1900	-0.20	1.34	0.248	-0.23	0.12	0.726	0.00	0.00	0.958	
75	MC	178	1900	0.19	1.32	0.250	0.65	1.16	0.282	-0.01	0.64	0.424	
76	MC	178	1900	-0.06	0.12	0.731	-0.46	0.29	0.589	0.01	0.23	0.632	
77	MC	178	1900	-0.23	1.75	0.186	-0.25	0.11	0.738	0.00	0.00	0.980	
78	MC	178	1900	0.28	2.39	0.122	1.08	2.07	0.150	-0.01	1.20	0.272	
79	MC	178	1900	0.03	0.03	0.865	-0.29	0.18	0.674	0.01	0.23	0.633	
80	MC	178	1900	0.18	1.02	0.313	0.76	1.37	0.242	-0.01	0.88	0.348	
81	MC	178	1900	0.29	2.73	0.099	1.37	3.81	0.051	-0.02	2.51	0.113	
82	MC	178	1900	-0.23	2.00	0.157	1.02	2.68	0.102	-0.02	4.31	0.038	
83	MC	178	1900	0.09	0.32	0.569	0.19	0.08	0.776	0.00	0.02	0.885	
189	SA1	780	7412	0.11	1.99	0.159	0.14	0.26	0.607	0.00	0.02	0.899	
191	SA3	780	7412	-0.24	9.33	0.002	-0.02	0.00	0.957	0.00	0.50	0.479	Uniform<
192	SA1	208	1836	0.00	0.00	0.982	0.07	0.01	0.903	0.00	0.02	0.893	
193	SA1	208	1836	-0.03	0.05	0.829	-0.16	0.08	0.779	0.00	0.05	0.818	
202	SA3	208	1836	0.28	2.65	0.104	0.48	0.35	0.551	0.00	0.06	0.802	
203	SA3	208	1836	0.27	1.73	0.189	0.81	0.67	0.414	-0.01	0.31	0.578	
204	SA1	209	1902	0.61	13.62	0.000	0.98	2.69	0.101	-0.01	0.42	0.518	Uniform>
212	SA3	209	1902	0.11	0.55	0.460	0.06	0.01	0.925	0.00	0.01	0.934	
213	SA3	209	1902	-0.12	0.54	0.460	-1.33	2.64	0.104	0.02	2.31	0.128	
214	SA3	209	1902	-0.03	0.04	0.846	-1.27	2.13	0.145	0.02	2.17	0.141	
215	SA1	185	1774	0.01	0.01	0.940	-0.38	0.40	0.529	0.01	0.45	0.500	
216	SA1	185	1774	-0.05	0.08	0.774	-1.30	3.91	0.048	0.03	3.84	0.050	
224	SA3	185	1774	-0.16	1.09	0.296	0.10	0.03	0.859	-0.01	0.22	0.638	
225	SA3	185	1774	-0.05	0.06	0.808	-0.01	0.00	0.994	0.00	0.00	0.961	
226	SA1	178	1900	0.72	16.91	0.000	1.09	2.83	0.093	-0.01	0.35	0.553	Uniform>
234	SA3	178	1900	-0.12	0.47	0.495	0.80	0.99	0.320	-0.02	1.39	0.238	
235	SA3	178	1900	-0.28	2.99	0.084	-1.66	5.05	0.025	0.03	3.63	0.057	
236	SA3	178	1900	0.16	0.63	0.427	-1.81	1.77	0.184	0.03	2.19	0.139	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.108: Logistic Regression DIF Results on Stage II Reading Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	6868	1324	-0.06	0.24	0.621	0.63	2.23	0.136	-0.02	2.77	0.096	
2	MC	6868	1324	-0.02	0.06	0.813	0.40	2.57	0.109	-0.01	2.96	0.086	
3	MC	6868	1324	-0.05	0.70	0.402	-0.24	1.16	0.281	0.00	0.78	0.378	
4	MC	6868	1324	-0.01	0.03	0.864	0.14	0.39	0.533	0.00	0.49	0.485	
5	MC	6868	1324	-0.11	3.09	0.079	-0.09	0.15	0.703	0.00	0.01	0.938	
6	MC	6868	1324	0.04	0.30	0.587	-0.08	0.10	0.748	0.00	0.23	0.633	
7	MC	6868	1324	-0.04	0.35	0.553	0.32	1.41	0.236	-0.01	1.88	0.170	
8	MC	1732	312	-0.12	0.78	0.378	-0.21	0.16	0.691	0.00	0.03	0.857	
9	MC	1732	312	0.03	0.04	0.844	-0.44	0.70	0.401	0.01	0.87	0.351	
10	MC	1732	312	0.37	2.10	0.147	1.30	1.56	0.211	-0.02	0.83	0.362	
11	MC	1732	312	-0.01	0.00	0.949	-0.30	0.36	0.551	0.01	0.36	0.548	
12	MC	1732	312	-0.13	0.92	0.338	0.44	0.51	0.474	-0.01	0.92	0.338	
13	MC	1732	312	0.20	2.24	0.135	-0.47	0.94	0.334	0.01	2.09	0.148	
14	MC	1732	312	-0.16	1.22	0.269	-0.56	0.91	0.339	0.01	0.50	0.481	
15	MC	1732	312	-0.02	0.01	0.909	0.56	0.96	0.326	-0.01	1.07	0.300	
16	MC	1732	312	0.04	0.09	0.760	0.65	1.08	0.299	-0.01	0.99	0.319	
17	MC	1732	312	-0.18	1.27	0.261	-0.53	0.79	0.373	0.01	0.38	0.540	
18	MC	1732	312	-0.14	1.17	0.280	0.80	2.50	0.114	-0.02	3.81	0.051	
19	MC	1732	312	-0.15	1.29	0.256	-0.61	1.34	0.248	0.01	0.80	0.370	
20	MC	1732	312	-0.16	1.68	0.195	0.66	1.87	0.172	-0.01	3.12	0.077	
21	MC	1732	312	-0.02	0.02	0.896	-0.24	0.25	0.615	0.00	0.24	0.627	
22	MC	1732	312	0.03	0.05	0.822	0.41	0.58	0.444	-0.01	0.54	0.464	
23	MC	1732	312	-0.10	0.53	0.465	-0.15	0.07	0.797	0.00	0.01	0.933	
24	MC	1732	312	0.01	0.01	0.913	-0.37	0.46	0.496	0.01	0.54	0.464	
25	MC	1732	312	0.27	3.88	0.049	0.15	0.07	0.789	0.00	0.05	0.822	
26	MC	1732	312	0.26	3.83	0.050	-0.44	0.73	0.393	0.01	2.00	0.157	
27	MC	1823	288	-0.36	4.24	0.040	-0.62	0.84	0.358	0.01	0.16	0.690	
28	MC	1823	288	0.50	3.33	0.068	0.17	0.03	0.871	0.01	0.12	0.729	
29	MC	1823	288	-0.07	0.11	0.737	-0.48	0.32	0.570	0.01	0.25	0.617	
30	MC	1823	288	-0.28	4.39	0.036	-0.38	0.51	0.474	0.00	0.04	0.845	
31	MC	1823	288	-0.22	2.54	0.111	0.05	0.01	0.926	-0.01	0.24	0.626	
32	MC	1823	288	-0.12	0.76	0.383	-0.72	1.91	0.167	0.01	1.44	0.231	
33	MC	1823	288	0.01	0.01	0.938	0.09	0.02	0.892	0.00	0.01	0.904	
34	MC	1823	288	-0.09	0.38	0.540	-0.48	0.62	0.432	0.01	0.44	0.509	
35	MC	1823	288	-0.17	1.64	0.201	0.41	0.62	0.429	-0.01	1.32	0.250	
36	MC	1823	288	0.40	6.49	0.011	2.31	10.17	0.001	-0.04	7.07	0.008	NonUniform
37	MC	1823	288	0.10	0.53	0.468	0.51	0.91	0.341	-0.01	0.63	0.427	
38	MC	1823	288	-0.03	0.04	0.849	0.54	0.99	0.320	-0.01	1.16	0.282	
39	MC	1823	288	0.07	0.28	0.598	1.03	3.29	0.070	-0.02	3.06	0.080	
40	MC	1823	288	-0.12	0.73	0.393	0.97	2.60	0.107	-0.02	3.42	0.064	
41	MC	1823	288	0.08	0.36	0.546	0.57	0.96	0.328	-0.01	0.74	0.389	
42	MC	1823	288	0.23	2.78	0.095	0.43	0.59	0.441	0.00	0.13	0.714	
43	MC	1823	288	-0.05	0.11	0.740	-0.07	0.02	0.898	0.00	0.00	0.965	
44	MC	1823	288	0.08	0.37	0.543	0.80	1.75	0.185	-0.01	1.49	0.222	
45	MC	1823	288	-0.05	0.15	0.700	-0.64	1.50	0.221	0.01	1.35	0.245	
46	MC	1555	404	-0.26	3.64	0.056	0.46	0.78	0.377	-0.02	2.05	0.152	
47	MC	1555	404	0.16	0.25	0.616	0.15	0.02	0.888	0.00	0.00	0.993	
48	MC	1555	404	0.16	1.44	0.230	0.27	0.23	0.628	0.00	0.04	0.839	
49	MC	1555	404	-0.18	2.30	0.129	-0.63	1.86	0.172	0.01	1.00	0.317	
50	MC	1555	404	-0.07	0.34	0.558	-0.49	1.11	0.293	0.01	0.87	0.352	
51	MC	1555	404	0.13	0.79	0.375	0.44	0.44	0.506	-0.01	0.23	0.629	
52	MC	1555	404	-0.26	4.59	0.032	0.34	0.53	0.467	-0.01	1.75	0.186	
53	MC	1555	404	0.06	0.18	0.672	0.00	0.00	0.994	0.00	0.01	0.921	
54	MC	1555	404	-0.06	0.29	0.590	0.17	0.17	0.679	0.00	0.35	0.556	
55	MC	1555	404	0.29	2.55	0.111	0.90	1.83	0.176	-0.01	0.91	0.340	
56	MC	1555	404	-0.05	0.11	0.742	-0.14	0.05	0.821	0.00	0.02	0.877	
57	MC	1555	404	0.10	0.68	0.411	-0.25	0.27	0.602	0.01	0.58	0.448	
58	MC	1555	404	-0.24	4.23	0.040	-0.53	1.53	0.216	0.01	0.49	0.482	
59	MC	1555	404	-0.02	0.03	0.865	0.40	0.83	0.363	-0.01	0.99	0.320	
60	MC	1555	404	-0.02	0.03	0.870	-0.47	1.12	0.290	0.01	1.10	0.293	
61	MC	1555	404	0.12	1.05	0.305	0.01	0.00	0.972	0.00	0.07	0.790	
62	MC	1555	404	-0.17	1.92	0.166	-1.04	5.27	0.022	0.02	3.96	0.047	
63	MC	1555	404	-0.08	0.54	0.464	-0.13	0.10	0.756	0.00	0.01	0.909	
64	MC	1555	404	-0.01	0.01	0.912	-0.20	0.22	0.635	0.00	0.21	0.645	
65	MC	1758	320	-0.22	1.91	0.167	-0.05	0.01	0.926	0.00	0.09	0.764	
66	MC	1758	320	-0.11	0.12	0.727	-0.48	0.21	0.646	0.01	0.14	0.707	
67	MC	1758	320	-0.47	9.94	0.002	-0.68	1.44	0.230	0.00	0.16	0.692	Uniform<
68	MC	1758	320	-0.04	0.07	0.785	-0.08	0.03	0.869	0.00	0.01	0.922	
69	MC	1758	320	0.15	1.21	0.272	-0.63	1.39	0.238	0.01	2.27	0.132	
70	MC	1758	320	0.14	1.18	0.278	-0.37	0.68	0.409	0.01	1.39	0.238	

**Table F.108: Logistic Regression DIF Results on Stage II Reading Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	1758	320	-0.03	0.04	0.850	-0.38	0.34	0.558	0.01	0.31	0.577	
72	MC	1758	320	-0.33	5.28	0.022	-1.27	5.10	0.024	0.02	2.98	0.084	
73	MC	1758	320	0.19	2.31	0.129	0.42	0.73	0.393	0.00	0.23	0.633	
74	MC	1758	320	-0.05	0.14	0.709	-0.76	2.31	0.128	0.01	2.21	0.137	
75	MC	1758	320	0.07	0.32	0.571	0.30	0.42	0.516	0.00	0.26	0.608	
76	MC	1758	320	0.24	2.93	0.087	-0.81	1.98	0.160	0.02	3.53	0.060	
77	MC	1758	320	0.07	0.26	0.611	-0.05	0.01	0.929	0.00	0.05	0.824	
78	MC	1758	320	-0.02	0.01	0.914	-0.77	1.77	0.183	0.01	1.80	0.179	
79	MC	1758	320	-0.21	2.70	0.100	-0.04	0.01	0.943	0.00	0.14	0.712	
80	MC	1758	320	0.05	0.15	0.699	-0.18	0.13	0.719	0.00	0.23	0.628	
81	MC	1758	320	0.14	1.05	0.305	0.39	0.41	0.522	0.00	0.17	0.678	
82	MC	1758	320	-0.15	1.31	0.252	-0.13	0.07	0.794	0.00	0.00	0.964	
83	MC	1758	320	0.06	0.21	0.645	-0.73	2.40	0.121	0.01	3.01	0.083	
189	SA1	6868	1324	-0.16	6.32	0.012	-0.20	0.75	0.385	0.00	0.03	0.853	
191	SA3	6868	1324	0.19	9.68	0.002	0.11	0.18	0.668	0.00	0.10	0.747	Uniform>
192	SA1	1732	312	-0.10	0.50	0.478	-0.32	0.39	0.530	0.00	0.20	0.651	
193	SA1	1732	312	-0.15	1.17	0.280	-0.76	2.42	0.120	0.01	1.73	0.188	
202	SA3	1732	312	-0.07	0.22	0.637	0.95	1.88	0.171	-0.02	2.27	0.132	
203	SA3	1732	312	-0.24	2.35	0.126	0.07	0.01	0.923	0.00	0.17	0.681	
204	SA1	1823	288	-0.39	7.37	0.007	0.19	0.11	0.741	-0.01	1.12	0.290	Uniform<
212	SA3	1823	288	0.28	4.92	0.027	-0.18	0.10	0.748	0.01	0.72	0.396	
213	SA3	1823	288	0.12	0.82	0.365	-1.01	2.92	0.088	0.02	3.81	0.051	
214	SA3	1823	288	0.15	1.20	0.273	0.28	0.17	0.678	0.00	0.04	0.845	
215	SA1	1555	404	-0.42	11.23	0.001	-0.12	0.06	0.799	-0.01	0.49	0.482	Uniform<
216	SA1	1555	404	-0.52	17.27	0.000	-0.14	0.09	0.767	-0.01	0.75	0.386	Uniform<
224	SA3	1555	404	-0.03	0.09	0.768	0.66	2.26	0.133	-0.01	2.70	0.100	
225	SA3	1555	404	0.03	0.06	0.800	0.00	0.00	0.997	0.00	0.00	0.952	
226	SA1	1758	320	-0.03	0.05	0.832	-0.69	2.37	0.124	0.01	2.39	0.122	
234	SA3	1758	320	0.14	1.18	0.278	0.40	0.42	0.518	0.00	0.18	0.668	
235	SA3	1758	320	0.32	5.91	0.015	1.32	5.38	0.020	-0.02	3.17	0.075	
236	SA3	1758	320	-0.60	17.48	0.000	1.09	1.61	0.205	-0.03	4.01	0.045	Uniform<

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.109: Logistic Regression DIF Results on Stage II Reading Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	6868	812	-0.16	1.12	0.289	0.26	0.21	0.650	-0.01	0.56	0.456	
2	MC	6868	812	-0.07	0.65	0.419	0.27	0.72	0.396	-0.01	1.18	0.277	
3	MC	6868	812	-0.07	0.72	0.398	-0.09	0.10	0.758	0.00	0.01	0.934	
4	MC	6868	812	-0.01	0.04	0.848	0.04	0.02	0.888	0.00	0.04	0.842	
5	MC	6868	812	-0.15	3.69	0.055	0.07	0.05	0.820	0.00	0.53	0.467	
6	MC	6868	812	0.07	0.72	0.396	0.08	0.06	0.813	0.00	0.00	0.981	
7	MC	6868	812	0.03	0.14	0.704	0.28	0.67	0.412	0.00	0.56	0.453	
8	MC	1732	210	-0.05	0.08	0.771	0.62	0.79	0.375	-0.01	0.96	0.328	
9	MC	1732	210	0.00	0.00	0.981	1.04	2.09	0.149	-0.02	2.18	0.140	
10	MC	1732	210	0.21	0.49	0.485	2.18	2.29	0.131	-0.05	1.83	0.177	
11	MC	1732	210	-0.04	0.08	0.771	-0.83	2.01	0.157	0.01	1.92	0.166	
12	MC	1732	210	-0.12	0.55	0.460	0.33	0.21	0.648	-0.01	0.40	0.525	
13	MC	1732	210	0.20	1.62	0.204	-0.62	1.10	0.295	0.02	2.10	0.147	
14	MC	1732	210	-0.10	0.33	0.563	-0.63	0.83	0.362	0.01	0.64	0.425	
15	MC	1732	210	0.13	0.65	0.421	0.58	0.71	0.398	-0.01	0.46	0.499	
16	MC	1732	210	0.04	0.07	0.786	0.47	0.39	0.530	-0.01	0.34	0.560	
17	MC	1732	210	-0.35	3.24	0.072	0.50	0.37	0.544	-0.02	1.10	0.294	
18	MC	1732	210	-0.10	0.41	0.522	0.00	0.00	0.998	0.00	0.03	0.863	
19	MC	1732	210	-0.10	0.44	0.508	-1.42	5.50	0.019	0.02	5.07	0.024	
20	MC	1732	210	-0.20	1.73	0.189	0.41	0.50	0.479	-0.01	1.16	0.281	
21	MC	1732	210	0.01	0.01	0.930	-0.09	0.02	0.875	0.00	0.03	0.852	
22	MC	1732	210	0.12	0.59	0.444	0.38	0.32	0.570	0.00	0.16	0.693	
23	MC	1732	210	0.00	0.00	0.983	-0.55	0.69	0.407	0.01	0.74	0.390	
24	MC	1732	210	0.15	0.88	0.349	-0.11	0.02	0.875	0.00	0.15	0.694	
25	MC	1732	210	0.30	3.45	0.063	0.36	0.28	0.599	0.00	0.01	0.926	
26	MC	1732	210	0.27	2.82	0.093	-0.60	0.94	0.333	0.02	2.09	0.149	
27	MC	1823	146	-0.39	2.49	0.115	-0.07	0.01	0.940	-0.01	0.12	0.726	
28	MC	1823	146	0.51	1.88	0.170	3.05	3.71	0.054	-0.06	2.47	0.116	
29	MC	1823	146	0.00	0.00	0.990	-0.65	0.38	0.538	0.01	0.43	0.513	
30	MC	1823	146	-0.24	1.81	0.179	-0.31	0.20	0.656	0.00	0.01	0.920	
31	MC	1823	146	0.08	0.18	0.675	1.37	2.60	0.107	-0.02	2.43	0.119	
32	MC	1823	146	-0.17	0.75	0.387	-0.35	0.26	0.610	0.00	0.08	0.777	
33	MC	1823	146	0.16	0.65	0.422	-0.38	0.23	0.633	0.01	0.50	0.479	
34	MC	1823	146	0.05	0.05	0.817	-0.66	0.72	0.397	0.01	0.88	0.348	
35	MC	1823	146	-0.08	0.18	0.669	0.31	0.20	0.651	-0.01	0.34	0.558	
36	MC	1823	146	0.15	0.46	0.499	1.28	1.96	0.162	-0.02	1.57	0.210	
37	MC	1823	146	-0.20	1.27	0.259	0.31	0.21	0.645	-0.01	0.64	0.425	
38	MC	1823	146	-0.10	0.32	0.573	0.96	1.65	0.200	-0.02	2.15	0.142	
39	MC	1823	146	-0.04	0.05	0.830	0.52	0.52	0.469	-0.01	0.65	0.419	
40	MC	1823	146	-0.04	0.05	0.822	1.10	1.88	0.170	-0.02	2.14	0.143	
41	MC	1823	146	0.00	0.00	0.982	1.39	2.73	0.099	-0.02	2.86	0.091	
42	MC	1823	146	0.15	0.67	0.412	-0.04	0.00	0.952	0.00	0.08	0.772	
43	MC	1823	146	0.06	0.10	0.756	-0.10	0.02	0.889	0.00	0.05	0.818	
44	MC	1823	146	0.16	0.73	0.391	0.80	1.00	0.316	-0.01	0.68	0.409	
45	MC	1823	146	0.04	0.04	0.843	-0.36	0.26	0.609	0.01	0.34	0.560	
46	MC	1555	268	-0.42	6.14	0.013	0.09	0.02	0.890	-0.01	0.63	0.429	
47	MC	1555	268	0.03	0.01	0.940	0.33	0.05	0.826	-0.01	0.04	0.837	
48	MC	1555	268	0.09	0.33	0.563	0.65	0.77	0.380	-0.01	0.59	0.443	
49	MC	1555	268	-0.29	4.19	0.041	-0.96	3.07	0.080	0.01	1.60	0.205	
50	MC	1555	268	0.03	0.05	0.828	-0.16	0.08	0.782	0.00	0.12	0.734	
51	MC	1555	268	0.17	0.95	0.329	1.18	1.76	0.184	-0.02	1.34	0.247	
52	MC	1555	268	-0.51	12.07	0.001	0.12	0.04	0.839	-0.01	1.18	0.277	Uniform<
53	MC	1555	268	0.08	0.24	0.624	-0.05	0.01	0.940	0.00	0.04	0.845	
54	MC	1555	268	-0.09	0.43	0.510	0.10	0.04	0.837	0.00	0.16	0.692	
55	MC	1555	268	0.40	3.54	0.060	1.56	3.01	0.083	-0.03	1.71	0.191	
56	MC	1555	268	-0.03	0.04	0.839	0.23	0.09	0.765	-0.01	0.12	0.727	
57	MC	1555	268	0.30	4.19	0.041	0.08	0.02	0.896	0.00	0.15	0.703	
58	MC	1555	268	-0.24	3.02	0.082	-0.73	1.92	0.166	0.01	0.93	0.336	
59	MC	1555	268	0.09	0.38	0.538	0.44	0.66	0.415	-0.01	0.47	0.495	
60	MC	1555	268	0.06	0.16	0.688	0.17	0.08	0.772	0.00	0.04	0.843	
61	MC	1555	268	0.17	1.57	0.210	0.48	0.92	0.337	-0.01	0.42	0.516	
62	MC	1555	268	-0.18	1.64	0.200	-0.68	1.46	0.226	0.01	0.83	0.361	
63	MC	1555	268	-0.07	0.27	0.604	-0.17	0.11	0.739	0.00	0.04	0.839	
64	MC	1555	268	0.02	0.02	0.900	-0.17	0.10	0.747	0.00	0.14	0.713	
65	MC	1758	188	-0.31	2.46	0.117	-0.32	0.17	0.684	0.00	0.00	0.999	
66	MC	1758	188	-1.07	3.18	0.075	-3.68	2.82	0.093	0.05	1.85	0.174	
67	MC	1758	188	-0.40	4.76	0.029	-1.09	2.30	0.129	0.01	1.01	0.315	
68	MC	1758	188	-0.17	1.11	0.292	-0.68	1.17	0.279	0.01	0.70	0.402	
69	MC	1758	188	0.08	0.22	0.639	-0.09	0.02	0.901	0.00	0.06	0.804	
70	MC	1758	188	0.12	0.58	0.446	-0.13	0.05	0.831	0.00	0.19	0.666	

**Table F.109: Logistic Regression DIF Results on Stage II Reading Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUUni}$	Wald $\chi^2$	p-value	
71	MC	1758	188	-0.15	0.55	0.460	1.49	1.92	0.166	-0.04	2.38	0.123	
72	MC	1758	188	-0.32	3.13	0.077	-1.05	1.97	0.160	0.01	1.02	0.312	
73	MC	1758	188	0.21	1.73	0.188	0.60	0.85	0.357	-0.01	0.38	0.538	
74	MC	1758	188	-0.14	0.60	0.438	-1.55	5.55	0.018	0.03	5.15	0.023	
75	MC	1758	188	0.26	2.78	0.096	0.11	0.03	0.857	0.00	0.07	0.788	
76	MC	1758	188	0.13	0.56	0.455	-0.97	1.79	0.180	0.02	2.45	0.118	
77	MC	1758	188	0.08	0.26	0.613	0.25	0.13	0.721	0.00	0.06	0.807	
78	MC	1758	188	0.18	0.94	0.331	0.58	0.46	0.497	-0.01	0.23	0.628	
79	MC	1758	188	-0.05	0.11	0.742	-0.42	0.44	0.509	0.01	0.35	0.552	
80	MC	1758	188	0.12	0.53	0.465	-0.16	0.06	0.813	0.01	0.20	0.658	
81	MC	1758	188	0.17	0.94	0.332	0.42	0.30	0.587	0.00	0.11	0.737	
82	MC	1758	188	-0.14	0.74	0.390	-0.14	0.05	0.827	0.00	0.00	0.999	
83	MC	1758	188	0.16	1.03	0.311	0.05	0.01	0.943	0.00	0.04	0.851	
189	SA1	6868	812	-0.20	6.97	0.008	-0.25	0.72	0.395	0.00	0.02	0.880	Uniform<
191	SA3	6868	812	0.35	23.04	0.000	0.28	0.78	0.378	0.00	0.06	0.805	Uniform>
192	SA1	1732	210	0.00	0.00	0.982	-0.03	0.00	0.958	0.00	0.00	0.952	
193	SA1	1732	210	-0.12	0.61	0.436	-0.90	2.26	0.133	0.02	1.84	0.175	
202	SA3	1732	210	0.00	0.00	0.996	1.01	1.36	0.244	-0.02	1.43	0.231	
203	SA3	1732	210	-0.26	1.86	0.173	-0.02	0.00	0.979	0.00	0.06	0.805	
204	SA1	1823	146	-0.41	4.31	0.038	-0.17	0.05	0.815	0.00	0.12	0.730	
212	SA3	1823	146	0.49	7.93	0.005	0.28	0.13	0.715	0.00	0.09	0.769	Uniform>
213	SA3	1823	146	0.35	3.62	0.057	-0.07	0.01	0.929	0.01	0.27	0.606	
214	SA3	1823	146	0.50	6.68	0.010	1.63	2.54	0.111	-0.02	1.28	0.257	Uniform>
215	SA1	1555	268	-0.37	6.22	0.013	-0.02	0.00	0.971	-0.01	0.40	0.525	
216	SA1	1555	268	-0.50	11.37	0.001	-0.90	2.60	0.107	0.01	0.55	0.460	Uniform<
224	SA3	1555	268	0.00	0.00	0.969	0.84	2.44	0.118	-0.02	2.67	0.102	
225	SA3	1555	268	0.15	0.96	0.326	-0.08	0.01	0.909	0.00	0.11	0.741	
226	SA1	1758	188	-0.09	0.34	0.557	-0.35	0.34	0.559	0.00	0.20	0.656	
234	SA3	1758	188	0.27	2.71	0.100	1.74	4.03	0.045	-0.02	3.03	0.082	
235	SA3	1758	188	0.37	5.16	0.023	2.02	6.43	0.011	-0.03	4.40	0.036	
236	SA3	1758	188	-0.46	6.42	0.011	1.15	1.12	0.291	-0.03	2.29	0.130	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.110: Logistic Regression DIF Results on Stage II Reading Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	512	812	-0.22	1.00	0.317	-0.74	0.89	0.345	0.01	0.48	0.488	NonUniform
2	MC	512	812	-0.13	1.10	0.295	-0.32	0.47	0.491	0.00	0.18	0.672	
3	MC	512	812	-0.04	0.09	0.765	0.35	0.72	0.397	-0.01	0.94	0.331	
4	MC	512	812	-0.01	0.01	0.935	-0.23	0.32	0.571	0.00	0.32	0.571	
5	MC	512	812	-0.10	0.73	0.394	0.37	0.65	0.421	-0.01	1.15	0.284	
6	MC	512	812	0.09	0.48	0.487	0.38	0.67	0.413	-0.01	0.43	0.510	
7	MC	512	812	0.19	2.24	0.135	-0.10	0.04	0.842	0.01	0.35	0.553	
8	MC	102	210	0.26	0.91	0.341	2.27	5.03	0.025	-0.04	4.26	0.039	
9	MC	102	210	-0.06	0.04	0.845	3.34	9.93	0.002	-0.06	11.23	0.001	
10	MC	102	210	-0.55	1.26	0.263	1.40	0.53	0.467	-0.05	1.09	0.297	
11	MC	102	210	-0.09	0.12	0.734	-1.66	2.61	0.106	0.03	2.53	0.112	NonUniform
12	MC	102	210	0.01	0.00	0.982	-0.31	0.06	0.802	0.01	0.07	0.792	
13	MC	102	210	0.06	0.05	0.815	-0.34	0.13	0.721	0.01	0.19	0.659	
14	MC	102	210	0.25	0.70	0.403	-0.02	0.00	0.984	0.01	0.06	0.808	
15	MC	102	210	0.47	2.68	0.101	0.39	0.11	0.736	0.00	0.01	0.940	
16	MC	102	210	-0.04	0.02	0.893	-0.60	0.22	0.642	0.01	0.20	0.656	
17	MC	102	210	-0.51	2.53	0.112	1.66	2.09	0.148	-0.04	3.82	0.051	
18	MC	102	210	0.01	0.00	0.961	-2.26	4.44	0.035	0.04	4.93	0.026	
19	MC	102	210	0.19	0.49	0.485	-2.52	4.62	0.032	0.05	5.61	0.018	
20	MC	102	210	-0.21	0.65	0.421	-0.91	0.87	0.351	0.01	0.56	0.454	NonUniform
21	MC	102	210	0.12	0.22	0.636	0.50	0.30	0.584	-0.01	0.19	0.665	
22	MC	102	210	0.26	0.93	0.334	0.15	0.02	0.885	0.00	0.01	0.916	
23	MC	102	210	0.35	1.54	0.214	-0.99	0.70	0.403	0.02	1.35	0.246	
24	MC	102	210	0.48	2.98	0.084	1.11	1.13	0.287	-0.01	0.40	0.528	
25	MC	102	210	0.10	0.14	0.713	0.66	0.38	0.537	-0.01	0.29	0.589	
26	MC	102	210	0.09	0.11	0.742	-0.35	0.12	0.729	0.01	0.20	0.653	
27	MC	142	146	-0.05	0.02	0.883	1.17	0.82	0.366	-0.02	0.95	0.330	
28	MC	142	146	-0.01	0.00	0.991	5.39	6.93	0.008	-0.12	6.94	0.008	
29	MC	142	146	0.16	0.16	0.692	-0.45	0.08	0.780	0.01	0.15	0.694	NonUniform
30	MC	142	146	0.07	0.08	0.783	0.13	0.02	0.898	0.00	0.00	0.950	
31	MC	142	146	0.62	5.46	0.019	2.50	4.96	0.026	-0.03	3.00	0.083	
32	MC	142	146	-0.11	0.17	0.681	0.82	0.71	0.400	-0.02	0.97	0.325	
33	MC	142	146	0.31	1.23	0.268	-1.36	1.14	0.286	0.03	1.80	0.180	
34	MC	142	146	0.26	0.92	0.338	-0.54	0.22	0.641	0.02	0.50	0.481	
35	MC	142	146	0.21	0.75	0.387	-0.34	0.12	0.733	0.01	0.33	0.565	
36	MC	142	146	-0.53	2.77	0.096	-2.37	2.79	0.095	0.04	1.79	0.181	
37	MC	142	146	-0.66	6.10	0.014	-0.22	0.04	0.833	-0.01	0.19	0.659	
38	MC	142	146	-0.14	0.33	0.565	0.94	0.84	0.359	-0.02	1.19	0.275	Uniform<
39	MC	142	146	-0.20	0.57	0.451	-1.14	1.09	0.297	0.02	0.79	0.374	
40	MC	142	146	0.19	0.52	0.469	0.22	0.04	0.849	0.00	0.00	0.981	
41	MC	142	146	-0.15	0.36	0.547	1.68	2.32	0.127	-0.03	2.93	0.087	
42	MC	142	146	-0.14	0.30	0.586	-1.06	1.01	0.316	0.02	0.81	0.369	
43	MC	142	146	0.21	0.68	0.408	-0.15	0.02	0.878	0.01	0.14	0.706	
44	MC	142	146	0.19	0.53	0.468	-0.09	0.01	0.937	0.00	0.06	0.801	
45	MC	142	146	0.15	0.37	0.546	0.56	0.33	0.564	-0.01	0.19	0.660	
46	MC	136	268	-0.39	2.19	0.139	-0.62	0.45	0.504	0.01	0.07	0.791	
47	MC	136	268	-0.30	0.28	0.597	0.50	0.07	0.789	-0.02	0.20	0.651	Uniform<
48	MC	136	268	-0.20	0.61	0.436	0.92	0.86	0.355	-0.02	1.36	0.244	
49	MC	136	268	-0.36	2.42	0.120	-0.77	0.81	0.367	0.01	0.25	0.618	
50	MC	136	268	0.28	1.44	0.231	0.68	0.67	0.414	-0.01	0.25	0.616	
51	MC	136	268	0.14	0.24	0.625	1.59	1.84	0.175	-0.03	1.64	0.200	
52	MC	136	268	-0.71	9.26	0.002	-0.35	0.16	0.686	-0.01	0.19	0.660	
53	MC	136	268	0.06	0.06	0.811	-0.18	0.03	0.856	0.00	0.06	0.802	
54	MC	136	268	-0.06	0.08	0.779	-0.13	0.03	0.861	0.00	0.01	0.924	
55	MC	136	268	0.40	1.38	0.240	1.15	0.92	0.336	-0.02	0.43	0.512	
56	MC	136	268	0.03	0.01	0.909	0.85	0.65	0.419	-0.02	0.65	0.420	Uniform<
57	MC	136	268	0.58	5.90	0.015	0.42	0.23	0.629	0.00	0.04	0.846	
58	MC	136	268	-0.02	0.01	0.935	-0.52	0.44	0.505	0.01	0.45	0.502	
59	MC	136	268	0.37	2.70	0.100	-0.13	0.03	0.870	0.01	0.43	0.511	
60	MC	136	268	0.19	0.68	0.409	1.48	3.51	0.061	-0.02	2.92	0.087	
61	MC	136	268	0.14	0.44	0.508	1.10	2.37	0.123	-0.02	1.98	0.159	
62	MC	136	268	-0.11	0.25	0.617	0.99	1.57	0.210	-0.02	2.12	0.145	
63	MC	136	268	0.04	0.03	0.860	-0.14	0.03	0.858	0.00	0.06	0.809	
64	MC	136	268	0.08	0.12	0.731	0.04	0.00	0.962	0.00	0.00	0.957	
65	MC	132	188	-0.24	0.67	0.415	-0.56	0.28	0.595	0.01	0.10	0.754	Uniform<
66	MC	132	188	-1.64	5.91	0.015	-4.26	3.19	0.074	0.05	1.47	0.226	
67	MC	132	188	0.18	0.40	0.527	-0.91	0.74	0.390	0.02	1.13	0.288	
68	MC	132	188	-0.34	1.92	0.166	-1.58	2.64	0.105	0.02	1.75	0.185	
69	MC	132	188	-0.13	0.27	0.605	1.08	1.24	0.266	-0.02	1.66	0.197	
70	MC	132	188	-0.02	0.01	0.918	0.49	0.36	0.551	-0.01	0.43	0.514	

**Table F.110: Logistic Regression DIF Results on Stage II Reading Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	132	188	-0.30	0.96	0.327	2.97	5.48	0.019	-0.07	6.91	0.009	NonUniform
72	MC	132	188	0.06	0.05	0.828	0.47	0.21	0.643	-0.01	0.18	0.674	
73	MC	132	188	0.04	0.02	0.879	0.39	0.19	0.664	-0.01	0.17	0.683	
74	MC	132	188	-0.20	0.58	0.446	-1.68	3.37	0.067	0.03	2.85	0.091	
75	MC	132	188	0.47	3.93	0.047	-0.31	0.13	0.716	0.01	0.92	0.337	
76	MC	132	188	-0.22	0.71	0.398	-0.51	0.22	0.637	0.00	0.08	0.782	
77	MC	132	188	0.05	0.04	0.851	0.66	0.45	0.503	-0.01	0.41	0.520	
78	MC	132	188	0.46	3.28	0.070	2.71	6.61	0.010	-0.04	4.83	0.028	
79	MC	132	188	0.37	2.42	0.120	-0.72	0.62	0.429	0.02	1.55	0.213	
80	MC	132	188	0.18	0.50	0.479	0.09	0.01	0.920	0.00	0.01	0.918	
81	MC	132	188	0.06	0.05	0.825	0.11	0.01	0.920	0.00	0.00	0.960	
82	MC	132	188	0.02	0.01	0.932	-0.02	0.00	0.984	0.00	0.00	0.964	
83	MC	132	188	0.27	1.35	0.245	1.64	3.64	0.056	-0.02	2.74	0.098	
189	SA1	512	812	-0.12	1.10	0.294	-0.13	0.10	0.757	0.00	0.00	0.987	Uniform>
191	SA3	512	812	0.45	15.68	0.000	0.43	0.88	0.349	0.00	0.00	0.978	
192	SA1	102	210	0.38	1.72	0.190	1.14	1.30	0.254	-0.01	0.65	0.422	
193	SA1	102	210	0.13	0.25	0.621	-0.23	0.06	0.811	0.01	0.16	0.693	
202	SA3	102	210	0.09	0.10	0.755	0.42	0.10	0.748	-0.01	0.07	0.794	
203	SA3	102	210	-0.08	0.07	0.785	-0.41	0.08	0.784	0.00	0.05	0.822	
204	SA1	142	146	-0.03	0.01	0.919	-0.83	0.59	0.442	0.02	0.59	0.443	Uniform>
212	SA3	142	146	0.40	2.95	0.086	0.84	0.65	0.422	-0.01	0.18	0.669	
213	SA3	142	146	0.36	2.27	0.132	1.69	2.34	0.126	-0.02	1.52	0.218	
214	SA3	142	146	0.75	8.01	0.005	2.21	2.80	0.094	-0.02	1.29	0.257	
215	SA1	136	268	0.17	0.51	0.476	0.12	0.02	0.887	0.00	0.01	0.942	
216	SA1	136	268	0.08	0.12	0.728	-2.35	6.44	0.011	0.05	7.18	0.007	NonUniform
224	SA3	136	268	0.13	0.35	0.552	0.36	0.21	0.650	0.00	0.10	0.756	
225	SA3	136	268	0.37	2.26	0.133	-0.53	0.22	0.642	0.02	0.66	0.418	
226	SA1	132	188	-0.14	0.36	0.548	0.64	0.60	0.439	-0.01	0.97	0.324	
234	SA3	132	188	0.29	1.39	0.238	2.86	6.40	0.011	-0.04	5.44	0.020	
235	SA3	132	188	0.12	0.20	0.654	1.33	1.63	0.202	-0.02	1.42	0.233	
236	SA3	132	188	0.27	0.96	0.327	0.35	0.05	0.831	0.00	0.00	0.964	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.111: Logistic Regression DIF Results on Stage II Reading Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	64	812	0.05	0.01	0.924	2.28	1.08	0.299	-0.05	1.22	0.270	
2	MC	64	812	-0.23	0.68	0.408	-2.35	2.67	0.102	0.04	2.23	0.135	
3	MC	64	812	-0.21	0.62	0.431	0.81	0.53	0.468	-0.02	0.89	0.345	
4	MC	64	812	0.00	0.00	0.993	1.67	2.33	0.127	-0.03	2.47	0.116	
5	MC	64	812	0.13	0.23	0.633	1.42	1.54	0.215	-0.02	1.36	0.244	
6	MC	64	812	0.31	1.30	0.255	0.85	0.54	0.464	-0.01	0.23	0.633	
7	MC	64	812	0.12	0.20	0.657	-0.62	0.21	0.647	0.01	0.31	0.575	
8	MC	8	210	0.14	0.03	0.862	1.13	0.10	0.748	-0.02	0.08	0.771	
9	MC	8	210	-0.13	0.02	0.880	2.46	0.46	0.498	-0.05	0.58	0.447	
10	MC	8	210	-1.36	1.28	0.257	-16.30	0.38	0.539	0.34	0.30	0.582	
11	MC	8	210	-1.76	2.61	0.106	-4.59	0.56	0.456	0.04	0.24	0.627	
12	MC	8	210	0.78	0.75	0.388	-142.92	0.11	0.741	3.26	0.11	0.739	
13	MC	8	210	-0.24	0.10	0.751	-0.50	0.02	0.878	0.00	0.01	0.934	
14	MC	8	210	-0.97	1.50	0.221	-71.24	0.02	0.887	1.24	0.02	0.888	
15	MC	8	210	0.96	1.19	0.275	-7.50	0.46	0.497	0.18	0.54	0.462	
16	MC	8	210	-0.94	1.22	0.269	-8.34	0.78	0.378	0.12	0.66	0.418	
17	MC	8	210	-1.39	2.92	0.087	2.67	0.66	0.416	-0.07	1.70	0.192	
18	MC	8	210	0.25	0.11	0.737	-26.16	0.37	0.544	0.42	0.40	0.525	
19	MC	8	210	1.06	1.56	0.212	-9.05	0.67	0.412	0.21	0.75	0.388	
20	MC	8	210	0.01	0.00	0.986	-4.41	1.01	0.315	0.08	1.05	0.307	
21	MC	8	210	-1.08	1.62	0.203	-11.72	1.06	0.304	0.17	0.94	0.333	
22	MC	8	210	1.57	3.28	0.070	-144.92	0.11	0.745	3.31	0.11	0.743	
23	MC	8	210	-0.08	0.01	0.920	0.53	0.02	0.875	-0.01	0.03	0.853	
24	MC	8	210	1.05	1.45	0.228	-2.04	0.14	0.704	0.06	0.32	0.572	
25	MC	8	210	-0.95	1.34	0.247	-24.18	0.31	0.576	0.37	0.30	0.581	
26	MC	8	210	-0.13	0.03	0.870	5.61	2.38	0.123	-0.10	2.40	0.121	
27	MC	39	146	0.36	0.38	0.537	5.82	4.53	0.033	-0.10	4.84	0.028	
28	MC	39	146	-1.28	3.75	0.053	2.72	1.02	0.313	-0.08	2.35	0.125	
29	MC	39	146	0.57	0.52	0.470	-2.11	0.32	0.572	0.06	0.49	0.482	
30	MC	39	146	0.23	0.37	0.543	-0.35	0.04	0.846	0.01	0.11	0.744	
31	MC	39	146	0.67	2.45	0.118	-1.09	0.20	0.651	0.03	0.55	0.459	
32	MC	39	146	-0.27	0.51	0.477	2.48	2.08	0.149	-0.05	2.77	0.096	
33	MC	39	146	1.06	4.36	0.037	-3.20	1.21	0.272	0.09	2.08	0.149	
34	MC	39	146	0.34	0.68	0.411	-2.23	0.88	0.348	0.05	1.20	0.273	
35	MC	39	146	-0.03	0.01	0.935	-0.16	0.01	0.924	0.00	0.01	0.937	
36	MC	39	146	-0.66	1.95	0.163	-2.11	0.80	0.371	0.03	0.40	0.530	
37	MC	39	146	-0.67	2.52	0.112	-1.62	0.68	0.411	0.02	0.25	0.617	
38	MC	39	146	-0.44	1.29	0.256	1.67	0.92	0.336	-0.04	1.53	0.216	
39	MC	39	146	-0.78	3.31	0.069	-5.35	3.18	0.074	0.07	2.45	0.118	
40	MC	39	146	-0.38	0.94	0.331	0.14	0.01	0.942	-0.01	0.07	0.785	
41	MC	39	146	-0.28	0.55	0.459	5.36	9.56	0.002	-0.10	10.96	0.001	NonUniform
42	MC	39	146	0.21	0.26	0.608	-0.95	0.23	0.628	0.02	0.36	0.549	
43	MC	39	146	-0.29	0.48	0.489	-5.79	4.08	0.043	0.09	3.92	0.048	
44	MC	39	146	-0.08	0.04	0.835	-0.27	0.02	0.896	0.00	0.01	0.926	
45	MC	39	146	0.16	0.19	0.665	-0.49	0.07	0.788	0.01	0.13	0.715	
46	MC	10	268	0.70	0.71	0.398	0.64	0.02	0.890	0.00	0.00	0.989	
47	MC	10	268	11.66	0.00	0.980	11.57	0.00	0.985	-0.07	0.00	0.996	
48	MC	10	268	-2.01	3.37	0.066	65.28	0.03	0.853	-2.03	0.04	0.847	
49	MC	10	268	-0.76	0.87	0.351	2.46	0.30	0.581	-0.08	0.51	0.476	
50	MC	10	268	0.05	0.00	0.949	6.97	2.21	0.137	-0.17	2.08	0.149	
51	MC	10	268	1.49	3.67	0.055	3.49	0.66	0.416	-0.05	0.23	0.633	
52	MC	10	268	-0.33	0.23	0.632	0.58	0.02	0.876	-0.02	0.06	0.805	
53	MC	10	268	-0.49	0.43	0.510	-6.00	0.82	0.366	0.13	0.70	0.403	
54	MC	10	268	-1.19	2.17	0.141	-0.90	0.04	0.838	-0.01	0.00	0.946	
55	MC	10	268	0.32	0.14	0.707	1.02	0.05	0.828	-0.02	0.02	0.879	
56	MC	10	268	0.10	0.02	0.893	0.78	0.03	0.853	-0.02	0.03	0.869	
57	MC	10	268	1.03	2.32	0.128	-0.16	0.00	0.968	0.03	0.09	0.768	
58	MC	10	268	-0.20	0.08	0.775	1.66	0.19	0.667	-0.05	0.24	0.627	
59	MC	10	268	1.39	4.25	0.039	3.84	1.09	0.297	-0.06	0.46	0.496	
60	MC	10	268	-0.43	0.28	0.597	12.27	2.46	0.117	-0.33	2.47	0.116	
61	MC	10	268	0.37	0.32	0.572	2.65	0.52	0.469	-0.06	0.40	0.527	
62	MC	10	268	0.58	0.72	0.395	-5.41	0.83	0.362	0.14	1.03	0.310	
63	MC	10	268	-0.79	0.94	0.333	-0.15	0.00	0.972	-0.02	0.02	0.885	
64	MC	10	268	-0.57	0.49	0.486	-2.51	0.28	0.596	0.05	0.18	0.672	
65	MC	7	188	0.21	0.04	0.851	-54.31	0.02	0.901	1.23	0.02	0.896	
66	MC	7	188	-2.37	3.67	0.055	-3.09	0.32	0.572	0.01	0.02	0.894	
67	MC	7	188	0.91	0.64	0.424	-51.46	0.02	0.890	1.18	0.02	0.883	
68	MC	7	188	0.94	1.17	0.279	-7.55	0.76	0.382	0.16	0.96	0.327	
69	MC	7	188	0.56	0.50	0.481	12.80	2.80	0.094	-0.21	2.55	0.110	
70	MC	7	188	-0.06	0.01	0.941	4.59	1.04	0.308	-0.08	1.14	0.285	



**Table F.111: Logistic Regression DIF Results on Stage II Reading Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	7	188	0.25	0.04	0.847	-49.92	0.01	0.903	1.14	0.02	0.898	
72	MC	7	188	1.24	1.18	0.278	1.53	0.09	0.760	-0.01	0.00	0.953	
73	MC	7	188	-0.15	0.04	0.848	-3.87	0.47	0.493	0.06	0.46	0.500	
74	MC	7	188	0.74	0.45	0.501	84.08	0.02	0.891	-1.19	0.02	0.889	
75	MC	7	188	-0.40	0.26	0.607	-1.50	0.13	0.719	0.02	0.07	0.788	
76	MC	7	188	2.22	3.82	0.051	-49.23	0.02	0.886	1.16	0.02	0.876	
77	MC	7	188	0.52	0.41	0.524	-0.28	0.00	0.949	0.01	0.03	0.853	
78	MC	7	188	0.17	0.04	0.841	-98.10	0.06	0.814	1.63	0.06	0.814	
79	MC	7	188	2.27	4.26	0.039	-51.14	0.02	0.883	1.20	0.02	0.875	
80	MC	7	188	1.11	1.00	0.316	2.56	0.25	0.618	-0.03	0.09	0.767	
81	MC	7	188	0.66	0.61	0.435	0.64	0.02	0.887	0.00	0.00	0.996	
82	MC	7	188	0.14	0.03	0.857	1.65	0.19	0.666	-0.03	0.16	0.686	
83	MC	7	188	1.24	2.04	0.153	0.70	0.03	0.866	0.01	0.02	0.894	
189	SA1	64	812	0.18	0.40	0.525	-0.10	0.01	0.931	0.01	0.06	0.807	
191	SA3	64	812	0.40	2.53	0.112	0.68	0.35	0.554	-0.01	0.06	0.800	
192	SA1	8	210	-0.32	0.18	0.670	1.40	0.19	0.663	-0.03	0.31	0.577	
193	SA1	8	210	-0.22	0.08	0.776	-3.39	0.76	0.384	0.06	0.66	0.416	
202	SA3	8	210	0.90	1.47	0.225	4.55	2.20	0.138	-0.07	1.65	0.198	
203	SA3	8	210	0.54	0.44	0.507	-48.72	1.21	0.270	0.75	1.24	0.266	
204	SA1	39	146	0.59	1.46	0.227	-3.25	1.67	0.196	0.07	2.27	0.132	
212	SA3	39	146	0.57	2.59	0.107	1.56	0.81	0.368	-0.02	0.34	0.560	
213	SA3	39	146	0.25	0.50	0.479	1.68	0.86	0.355	-0.02	0.63	0.426	
214	SA3	39	146	1.01	7.03	0.008	2.48	1.41	0.236	-0.02	0.50	0.477	Uniform>
215	SA1	10	268	1.07	1.71	0.191	-76.47	0.03	0.868	2.12	0.03	0.868	
216	SA1	10	268	0.98	1.43	0.231	-8.27	1.12	0.290	0.24	1.37	0.241	
224	SA3	10	268	0.63	1.00	0.317	-3.29	0.60	0.438	0.09	0.89	0.344	
225	SA3	10	268	0.86	1.17	0.280	-10.64	1.77	0.183	0.24	2.23	0.135	
226	SA1	7	188	0.43	0.25	0.619	5.70	1.05	0.304	-0.09	1.01	0.316	
234	SA3	7	188	-2.29	3.51	0.061	-69.80	0.02	0.893	0.94	0.02	0.896	
235	SA3	7	188	0.14	0.02	0.875	8.84	4.53	0.033	-0.16	5.13	0.023	
236	SA3	7	188	0.01	0.00	0.992	-164.04	0.08	0.776	2.40	0.08	0.777	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.112: Logistic Regression DIF Results on Stage II Reading Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	64	812	0.05	0.01	0.924	2.28	1.08	0.299	-0.05	1.22	0.270	
2	MC	64	812	-0.23	0.68	0.408	-2.35	2.67	0.102	0.04	2.23	0.135	
3	MC	64	812	-0.21	0.62	0.431	0.81	0.53	0.468	-0.02	0.89	0.345	
4	MC	64	812	0.00	0.00	0.993	1.67	2.33	0.127	-0.03	2.47	0.116	
5	MC	64	812	0.13	0.23	0.633	1.42	1.54	0.215	-0.02	1.36	0.244	
6	MC	64	812	0.31	1.30	0.255	0.85	0.54	0.464	-0.01	0.23	0.633	
7	MC	64	812	0.12	0.20	0.657	-0.62	0.21	0.647	0.01	0.31	0.575	
8	MC	8	210	0.14	0.03	0.862	1.13	0.10	0.748	-0.02	0.08	0.771	
9	MC	8	210	-0.13	0.02	0.880	2.46	0.46	0.498	-0.05	0.58	0.447	
10	MC	8	210	-1.36	1.28	0.257	-16.30	0.38	0.539	0.34	0.30	0.582	
11	MC	8	210	-1.76	2.61	0.106	-4.59	0.56	0.456	0.04	0.24	0.627	
12	MC	8	210	0.78	0.75	0.388	-142.92	0.11	0.741	3.26	0.11	0.739	
13	MC	8	210	-0.24	0.10	0.751	-0.50	0.02	0.878	0.00	0.01	0.934	
14	MC	8	210	-0.97	1.50	0.221	-71.24	0.02	0.887	1.24	0.02	0.888	
15	MC	8	210	0.96	1.19	0.275	-7.50	0.46	0.497	0.18	0.54	0.462	
16	MC	8	210	-0.94	1.22	0.269	-8.34	0.78	0.378	0.12	0.66	0.418	
17	MC	8	210	-1.39	2.92	0.087	2.67	0.66	0.416	-0.07	1.70	0.192	
18	MC	8	210	0.25	0.11	0.737	-26.16	0.37	0.544	0.42	0.40	0.525	
19	MC	8	210	1.06	1.56	0.212	-9.05	0.67	0.412	0.21	0.75	0.388	
20	MC	8	210	0.01	0.00	0.986	-4.41	1.01	0.315	0.08	1.05	0.307	
21	MC	8	210	-1.08	1.62	0.203	-11.72	1.06	0.304	0.17	0.94	0.333	
22	MC	8	210	1.57	3.28	0.070	-144.92	0.11	0.745	3.31	0.11	0.743	
23	MC	8	210	-0.08	0.01	0.920	0.53	0.02	0.875	-0.01	0.03	0.853	
24	MC	8	210	1.05	1.45	0.228	-2.04	0.14	0.704	0.06	0.32	0.572	
25	MC	8	210	-0.95	1.34	0.247	-24.18	0.31	0.576	0.37	0.30	0.581	
26	MC	8	210	-0.13	0.03	0.870	5.61	2.38	0.123	-0.10	2.40	0.121	
27	MC	39	146	0.36	0.38	0.537	5.82	4.53	0.033	-0.10	4.84	0.028	
28	MC	39	146	-1.28	3.75	0.053	2.72	1.02	0.313	-0.08	2.35	0.125	
29	MC	39	146	0.57	0.52	0.470	-2.11	0.32	0.572	0.06	0.49	0.482	
30	MC	39	146	0.23	0.37	0.543	-0.35	0.04	0.846	0.01	0.11	0.744	
31	MC	39	146	0.67	2.45	0.118	-1.09	0.20	0.651	0.03	0.55	0.459	
32	MC	39	146	-0.27	0.51	0.477	2.48	2.08	0.149	-0.05	2.77	0.096	
33	MC	39	146	1.06	4.36	0.037	-3.20	1.21	0.272	0.09	2.08	0.149	
34	MC	39	146	0.34	0.68	0.411	-2.23	0.88	0.348	0.05	1.20	0.273	
35	MC	39	146	-0.03	0.01	0.935	-0.16	0.01	0.924	0.00	0.01	0.937	
36	MC	39	146	-0.66	1.95	0.163	-2.11	0.80	0.371	0.03	0.40	0.530	
37	MC	39	146	-0.67	2.52	0.112	-1.62	0.68	0.411	0.02	0.25	0.617	
38	MC	39	146	-0.44	1.29	0.256	1.67	0.92	0.336	-0.04	1.53	0.216	
39	MC	39	146	-0.78	3.31	0.069	-5.35	3.18	0.074	0.07	2.45	0.118	
40	MC	39	146	-0.38	0.94	0.331	0.14	0.01	0.942	-0.01	0.07	0.785	
41	MC	39	146	-0.28	0.55	0.459	5.36	9.56	0.002	-0.10	10.96	0.001	NonUniform
42	MC	39	146	0.21	0.26	0.608	-0.95	0.23	0.628	0.02	0.36	0.549	
43	MC	39	146	-0.29	0.48	0.489	-5.79	4.08	0.043	0.09	3.92	0.048	
44	MC	39	146	-0.08	0.04	0.835	-0.27	0.02	0.896	0.00	0.01	0.926	
45	MC	39	146	0.16	0.19	0.665	-0.49	0.07	0.788	0.01	0.13	0.715	
46	MC	10	268	0.70	0.71	0.398	0.64	0.02	0.890	0.00	0.00	0.989	
47	MC	10	268	11.66	0.00	0.980	11.57	0.00	0.985	-0.07	0.00	0.996	
48	MC	10	268	-2.01	3.37	0.066	65.28	0.03	0.853	-2.03	0.04	0.847	
49	MC	10	268	-0.76	0.87	0.351	2.46	0.30	0.581	-0.08	0.51	0.476	
50	MC	10	268	0.05	0.00	0.949	6.97	2.21	0.137	-0.17	2.08	0.149	
51	MC	10	268	1.49	3.67	0.055	3.49	0.66	0.416	-0.05	0.23	0.633	
52	MC	10	268	-0.33	0.23	0.632	0.58	0.02	0.876	-0.02	0.06	0.805	
53	MC	10	268	-0.49	0.43	0.510	-6.00	0.82	0.366	0.13	0.70	0.403	
54	MC	10	268	-1.19	2.17	0.141	-0.90	0.04	0.838	-0.01	0.00	0.946	
55	MC	10	268	0.32	0.14	0.707	1.02	0.05	0.828	-0.02	0.02	0.879	
56	MC	10	268	0.10	0.02	0.893	0.78	0.03	0.853	-0.02	0.03	0.869	
57	MC	10	268	1.03	2.32	0.128	-0.16	0.00	0.968	0.03	0.09	0.768	
58	MC	10	268	-0.20	0.08	0.775	1.66	0.19	0.667	-0.05	0.24	0.627	
59	MC	10	268	1.39	4.25	0.039	3.84	1.09	0.297	-0.06	0.46	0.496	
60	MC	10	268	-0.43	0.28	0.597	12.27	2.46	0.117	-0.33	2.47	0.116	
61	MC	10	268	0.37	0.32	0.572	2.65	0.52	0.469	-0.06	0.40	0.527	
62	MC	10	268	0.58	0.72	0.395	-5.41	0.83	0.362	0.14	1.03	0.310	
63	MC	10	268	-0.79	0.94	0.333	-0.15	0.00	0.972	-0.02	0.02	0.885	
64	MC	10	268	-0.57	0.49	0.486	-2.51	0.28	0.596	0.05	0.18	0.672	
65	MC	7	188	0.21	0.04	0.851	-54.31	0.02	0.901	1.23	0.02	0.896	
66	MC	7	188	-2.37	3.67	0.055	-3.09	0.32	0.572	0.01	0.02	0.894	
67	MC	7	188	0.91	0.64	0.424	-51.46	0.02	0.890	1.18	0.02	0.883	
68	MC	7	188	0.94	1.17	0.279	-7.55	0.76	0.382	0.16	0.96	0.327	
69	MC	7	188	0.56	0.50	0.481	12.80	2.80	0.094	-0.21	2.55	0.110	
70	MC	7	188	-0.06	0.01	0.941	4.59	1.04	0.308	-0.08	1.14	0.285	

**Table F.112: Logistic Regression DIF Results on Stage II Reading Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	7	188	0.25	0.04	0.847	-49.92	0.01	0.903	1.14	0.02	0.898	
72	MC	7	188	1.24	1.18	0.278	1.53	0.09	0.760	-0.01	0.00	0.953	
73	MC	7	188	-0.15	0.04	0.848	-3.87	0.47	0.493	0.06	0.46	0.500	
74	MC	7	188	0.74	0.45	0.501	84.08	0.02	0.891	-1.19	0.02	0.889	
75	MC	7	188	-0.40	0.26	0.607	-1.50	0.13	0.719	0.02	0.07	0.788	
76	MC	7	188	2.22	3.82	0.051	-49.23	0.02	0.886	1.16	0.02	0.876	
77	MC	7	188	0.52	0.41	0.524	-0.28	0.00	0.949	0.01	0.03	0.853	
78	MC	7	188	0.17	0.04	0.841	-98.10	0.06	0.814	1.63	0.06	0.814	
79	MC	7	188	2.27	4.26	0.039	-51.14	0.02	0.883	1.20	0.02	0.875	
80	MC	7	188	1.11	1.00	0.316	2.56	0.25	0.618	-0.03	0.09	0.767	
81	MC	7	188	0.66	0.61	0.435	0.64	0.02	0.887	0.00	0.00	0.996	
82	MC	7	188	0.14	0.03	0.857	1.65	0.19	0.666	-0.03	0.16	0.686	
83	MC	7	188	1.24	2.04	0.153	0.70	0.03	0.866	0.01	0.02	0.894	
189	SA1	64	812	0.18	0.40	0.525	-0.10	0.01	0.931	0.01	0.06	0.807	
191	SA3	64	812	0.40	2.53	0.112	0.68	0.35	0.554	-0.01	0.06	0.800	
192	SA1	8	210	-0.32	0.18	0.670	1.40	0.19	0.663	-0.03	0.31	0.577	
193	SA1	8	210	-0.22	0.08	0.776	-3.39	0.76	0.384	0.06	0.66	0.416	
202	SA3	8	210	0.90	1.47	0.225	4.55	2.20	0.138	-0.07	1.65	0.198	
203	SA3	8	210	0.54	0.44	0.507	-48.72	1.21	0.270	0.75	1.24	0.266	
204	SA1	39	146	0.59	1.46	0.227	-3.25	1.67	0.196	0.07	2.27	0.132	
212	SA3	39	146	0.57	2.59	0.107	1.56	0.81	0.368	-0.02	0.34	0.560	
213	SA3	39	146	0.25	0.50	0.479	1.68	0.86	0.355	-0.02	0.63	0.426	
214	SA3	39	146	1.01	7.03	0.008	2.48	1.41	0.236	-0.02	0.50	0.477	Uniform>
215	SA1	10	268	1.07	1.71	0.191	-76.47	0.03	0.868	2.12	0.03	0.868	
216	SA1	10	268	0.98	1.43	0.231	-8.27	1.12	0.290	0.24	1.37	0.241	
224	SA3	10	268	0.63	1.00	0.317	-3.29	0.60	0.438	0.09	0.89	0.344	
225	SA3	10	268	0.86	1.17	0.280	-10.64	1.77	0.183	0.24	2.23	0.135	
226	SA1	7	188	0.43	0.25	0.619	5.70	1.05	0.304	-0.09	1.01	0.316	
234	SA3	7	188	-2.29	3.51	0.061	-69.80	0.02	0.893	0.94	0.02	0.896	
235	SA3	7	188	0.14	0.02	0.875	8.84	4.53	0.033	-0.16	5.13	0.023	
236	SA3	7	188	0.01	0.00	0.992	-164.04	0.08	0.776	2.40	0.08	0.777	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.113: Logistic Regression DIF Results on Stage II Reading Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	8192	2037	-0.02	0.02	0.877	0.10	0.09	0.768	0.00	0.13	0.721	
2	MC	8192	2037	0.15	7.37	0.007	0.04	0.05	0.830	0.00	0.34	0.562	Uniform>
3	MC	8192	2037	0.10	3.94	0.047	0.59	11.06	0.001	-0.01	8.18	0.004	NonUniform
4	MC	8192	2037	-0.08	2.43	0.119	0.73	16.22	0.000	-0.01	21.72	0.000	NonUniform
5	MC	8192	2037	-0.06	1.16	0.282	0.22	1.08	0.299	0.00	1.89	0.169	
6	MC	8192	2037	-0.01	0.01	0.924	0.53	6.38	0.012	-0.01	7.02	0.008	NonUniform
7	MC	8192	2037	0.05	0.85	0.357	0.27	1.52	0.218	0.00	1.06	0.303	
8	MC	2044	557	-0.28	6.26	0.012	0.72	2.38	0.123	-0.02	4.88	0.027	
9	MC	2044	557	-0.02	0.04	0.839	1.19	6.63	0.010	-0.02	7.26	0.007	NonUniform
10	MC	2044	557	0.16	0.52	0.473	0.65	0.64	0.424	-0.01	0.38	0.538	
11	MC	2044	557	0.10	0.88	0.349	-0.20	0.27	0.602	0.00	0.66	0.417	
12	MC	2044	557	0.16	1.90	0.168	0.17	0.13	0.716	0.00	0.00	0.983	
13	MC	2044	557	-0.11	0.94	0.331	-0.39	1.02	0.313	0.01	0.58	0.448	
14	MC	2044	557	0.05	0.16	0.690	-0.09	0.04	0.843	0.00	0.10	0.755	
15	MC	2044	557	0.03	0.08	0.782	-0.04	0.01	0.927	0.00	0.03	0.865	
16	MC	2044	557	-0.03	0.06	0.811	-0.06	0.01	0.906	0.00	0.00	0.951	
17	MC	2044	557	-0.37	6.98	0.008	0.06	0.01	0.903	-0.01	0.81	0.369	Uniform<
18	MC	2044	557	-0.26	6.21	0.013	0.16	0.19	0.662	-0.01	1.42	0.234	
19	MC	2044	557	-0.20	3.15	0.076	0.00	0.00	0.994	0.00	0.23	0.635	
20	MC	2044	557	0.06	0.35	0.555	1.31	11.57	0.001	-0.02	11.43	0.001	NonUniform
21	MC	2044	557	0.19	3.33	0.068	0.24	0.43	0.514	0.00	0.02	0.879	
22	MC	2044	557	-0.12	1.31	0.253	-0.16	0.16	0.687	0.00	0.01	0.918	
23	MC	2044	557	0.01	0.00	0.960	-0.25	0.32	0.572	0.00	0.36	0.550	
24	MC	2044	557	0.02	0.04	0.850	0.21	0.23	0.635	0.00	0.19	0.659	
25	MC	2044	557	0.16	2.13	0.145	0.40	0.82	0.367	0.00	0.31	0.580	
26	MC	2044	557	-0.03	0.08	0.776	0.07	0.03	0.868	0.00	0.06	0.803	
27	MC	2111	470	-0.61	14.36	0.000	1.04	2.56	0.110	-0.04	6.53	0.011	Uniform<
28	MC	2111	470	-0.07	0.07	0.789	-0.59	0.43	0.511	0.01	0.38	0.540	
29	MC	2111	470	0.02	0.01	0.920	1.23	3.01	0.083	-0.03	3.02	0.082	
30	MC	2111	470	-0.08	0.52	0.470	-0.60	2.48	0.115	0.01	2.03	0.154	
31	MC	2111	470	0.30	6.85	0.009	0.24	0.31	0.579	0.00	0.02	0.883	Uniform>
32	MC	2111	470	0.19	2.80	0.094	-0.28	0.55	0.460	0.01	1.68	0.195	
33	MC	2111	470	-0.07	0.28	0.594	0.07	0.02	0.886	0.00	0.08	0.777	
34	MC	2111	470	-0.03	0.04	0.836	0.85	2.38	0.123	-0.02	2.65	0.104	
35	MC	2111	470	-0.04	0.13	0.715	0.26	0.47	0.493	-0.01	0.68	0.410	
36	MC	2111	470	0.16	1.28	0.257	-0.02	0.00	0.974	0.00	0.14	0.710	
37	MC	2111	470	-0.22	3.93	0.048	1.86	20.54	0.000	-0.03	28.26	0.000	NonUniform
38	MC	2111	470	-0.09	0.73	0.392	1.73	14.20	0.000	-0.03	16.87	0.000	NonUniform
39	MC	2111	470	-0.18	2.57	0.109	1.46	11.03	0.001	-0.03	14.94	0.000	NonUniform
40	MC	2111	470	-0.07	0.36	0.550	0.04	0.01	0.915	0.00	0.08	0.783	
41	MC	2111	470	0.06	0.31	0.579	0.90	3.83	0.050	-0.01	3.53	0.060	
42	MC	2111	470	0.02	0.02	0.880	0.36	0.70	0.402	-0.01	0.68	0.408	
43	MC	2111	470	-0.09	0.66	0.417	1.29	9.33	0.002	-0.02	11.71	0.001	NonUniform
44	MC	2111	470	0.19	2.72	0.099	0.54	1.45	0.229	-0.01	0.65	0.420	
45	MC	2111	470	0.02	0.05	0.825	0.88	4.06	0.044	-0.01	4.12	0.042	
46	MC	1959	507	-0.30	4.67	0.031	0.59	1.43	0.231	-0.02	3.45	0.063	
47	MC	1959	507	0.21	0.46	0.498	-0.29	0.09	0.760	0.01	0.32	0.571	
48	MC	1959	507	-0.11	0.62	0.432	-0.48	0.92	0.337	0.01	0.61	0.435	
49	MC	1959	507	0.00	0.00	0.973	0.05	0.01	0.911	0.00	0.02	0.900	
50	MC	1959	507	0.38	10.98	0.001	0.05	0.01	0.905	0.01	0.63	0.427	Uniform>
51	MC	1959	507	-0.09	0.41	0.521	-0.58	0.96	0.327	0.01	0.72	0.397	
52	MC	1959	507	-0.32	7.60	0.006	-0.09	0.04	0.833	0.00	0.33	0.565	Uniform<
53	MC	1959	507	0.08	0.35	0.553	0.09	0.03	0.861	0.00	0.00	0.980	
54	MC	1959	507	-0.15	2.13	0.145	0.14	0.17	0.681	0.00	0.77	0.379	
55	MC	1959	507	0.05	0.07	0.788	1.35	3.81	0.051	-0.03	3.67	0.056	
56	MC	1959	507	0.20	2.15	0.143	-0.21	0.15	0.701	0.01	0.59	0.442	
57	MC	1959	507	-0.03	0.05	0.827	0.58	1.63	0.201	-0.01	1.90	0.168	
58	MC	1959	507	0.11	1.04	0.307	0.65	2.59	0.108	-0.01	1.93	0.164	
59	MC	1959	507	-0.13	1.62	0.204	0.73	3.53	0.060	-0.01	5.38	0.020	
60	MC	1959	507	-0.02	0.05	0.824	-0.18	0.20	0.653	0.00	0.16	0.686	
61	MC	1959	507	0.00	0.00	0.985	0.51	2.20	0.138	-0.01	2.39	0.122	
62	MC	1959	507	0.00	0.00	0.978	1.43	9.00	0.003	-0.02	9.64	0.002	NonUniform
63	MC	1959	507	-0.07	0.40	0.526	1.36	11.26	0.001	-0.02	13.49	0.000	NonUniform
64	MC	1959	507	0.23	4.30	0.038	0.62	2.46	0.117	-0.01	1.09	0.296	
65	MC	2078	503	-0.39	6.91	0.009	-0.20	0.15	0.701	0.00	0.16	0.691	Uniform<
66	MC	2078	503	-0.08	0.07	0.794	0.01	0.00	0.995	0.00	0.01	0.923	
67	MC	2078	503	-0.17	1.79	0.181	0.12	0.05	0.823	-0.01	0.33	0.566	
68	MC	2078	503	0.14	1.58	0.209	0.49	1.27	0.260	-0.01	0.70	0.402	
69	MC	2078	503	0.11	0.91	0.340	0.93	3.83	0.050	-0.01	3.21	0.073	
70	MC	2078	503	-0.11	0.96	0.327	0.34	0.76	0.385	-0.01	1.42	0.234	

**Table F.113: Logistic Regression DIF Results on Stage II Reading Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	2078	503	-0.27	2.80	0.094	0.03	0.00	0.961	-0.01	0.24	0.624	
72	MC	2078	503	-0.10	0.59	0.443	-0.21	0.16	0.688	0.00	0.05	0.824	
73	MC	2078	503	0.11	1.16	0.281	-0.59	2.42	0.119	0.01	3.74	0.053	
74	MC	2078	503	-0.32	5.88	0.015	0.10	0.05	0.822	-0.01	0.90	0.342	
75	MC	2078	503	-0.05	0.25	0.616	-0.20	0.30	0.587	0.00	0.17	0.676	
76	MC	2078	503	-0.19	2.57	0.109	0.21	0.15	0.703	-0.01	0.57	0.449	
77	MC	2078	503	-0.11	0.95	0.329	0.10	0.05	0.821	0.00	0.23	0.630	
78	MC	2078	503	-0.12	1.05	0.305	1.12	3.70	0.054	-0.02	4.76	0.029	
79	MC	2078	503	-0.29	7.41	0.006	0.94	4.65	0.031	-0.02	8.52	0.004	NonUniform
80	MC	2078	503	-0.03	0.04	0.832	0.60	1.75	0.186	-0.01	2.04	0.154	
81	MC	2078	503	0.02	0.03	0.868	0.31	0.38	0.540	0.00	0.35	0.555	
82	MC	2078	503	-0.22	3.99	0.046	0.77	3.11	0.078	-0.02	5.47	0.019	
83	MC	2078	503	-0.06	0.34	0.562	0.71	2.73	0.098	-0.01	3.46	0.063	
189	SA1	8192	2037	0.00	0.01	0.927	0.38	4.21	0.040	-0.01	4.46	0.035	
191	SA3	8192	2037	0.16	10.69	0.001	-0.52	7.05	0.008	0.01	12.98	0.000	NonUniform
192	SA1	2044	557	-0.01	0.01	0.929	0.19	0.23	0.632	0.00	0.28	0.599	
193	SA1	2044	557	0.12	1.22	0.269	0.24	0.40	0.527	0.00	0.11	0.738	
202	SA3	2044	557	0.21	3.74	0.053	0.35	0.46	0.495	0.00	0.07	0.788	
203	SA3	2044	557	0.04	0.11	0.745	0.10	0.03	0.866	0.00	0.01	0.916	
204	SA1	2111	470	0.05	0.18	0.674	-0.13	0.11	0.742	0.00	0.23	0.635	
212	SA3	2111	470	0.08	0.59	0.442	-1.04	6.38	0.012	0.02	7.95	0.005	NonUniform
213	SA3	2111	470	0.15	1.90	0.169	0.10	0.04	0.844	0.00	0.01	0.907	
214	SA3	2111	470	0.26	5.23	0.022	-0.02	0.00	0.966	0.00	0.33	0.564	
215	SA1	1959	507	-0.15	1.68	0.194	-0.51	1.77	0.183	0.01	0.98	0.323	
216	SA1	1959	507	0.01	0.00	0.945	0.07	0.03	0.860	0.00	0.03	0.870	
224	SA3	1959	507	0.10	0.93	0.336	0.76	3.62	0.057	-0.01	2.98	0.084	
225	SA3	1959	507	0.27	5.89	0.015	0.80	2.22	0.136	-0.01	1.01	0.314	
226	SA1	2078	503	0.05	0.23	0.632	0.64	2.78	0.096	-0.01	2.54	0.111	
234	SA3	2078	503	-0.05	0.21	0.649	-0.35	0.57	0.452	0.00	0.44	0.506	
235	SA3	2078	503	-0.18	2.15	0.142	0.11	0.05	0.831	-0.01	0.35	0.553	
236	SA3	2078	503	-0.04	0.09	0.763	-0.01	0.00	0.994	0.00	0.00	0.962	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.114: Logistic Regression DIF Results on Stage II Reading Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	215	8192	-0.46	0.98	0.322	1.29	0.27	0.603	-0.02	0.55	0.459	Uniform>
2	MC	215	8192	0.54	5.03	0.025	-1.57	1.28	0.257	0.03	2.30	0.130	
3	MC	215	8192	-0.30	4.12	0.043	-1.53	2.70	0.100	0.02	1.80	0.180	
4	MC	215	8192	0.36	5.60	0.018	-1.92	3.62	0.057	0.03	5.19	0.023	
5	MC	215	8192	0.61	7.62	0.006	-2.81	3.87	0.049	0.05	5.64	0.018	
6	MC	215	8192	0.50	10.18	0.001	-0.16	0.02	0.875	0.01	0.43	0.512	
7	MC	215	8192	0.34	2.87	0.090	-0.22	0.03	0.855	0.01	0.22	0.640	
8	MC	55	2044	0.54	1.19	0.275	-0.02	0.00	0.996	0.01	0.03	0.862	
9	MC	55	2044	-0.13	0.08	0.774	-1.41	0.22	0.640	0.02	0.18	0.670	
10	MC	55	2044	11.80	0.00	0.984	13.43	0.00	0.984	-0.07	0.00	0.993	
11	MC	55	2044	0.09	0.07	0.789	2.47	1.17	0.280	-0.03	1.12	0.289	NonUniform
12	MC	55	2044	0.77	1.54	0.215	-2.17	0.30	0.582	0.04	0.55	0.460	
13	MC	55	2044	-0.18	0.21	0.649	-4.19	2.15	0.143	0.05	1.95	0.162	
14	MC	55	2044	1.45	2.01	0.157	4.17	0.39	0.534	-0.04	0.18	0.672	
15	MC	55	2044	0.40	0.66	0.417	-13.85	3.87	0.049	0.19	3.99	0.046	
16	MC	55	2044	0.28	0.31	0.579	0.17	0.00	0.958	0.00	0.00	0.973	
17	MC	55	2044	0.22	0.13	0.723	6.79	1.64	0.200	-0.08	1.71	0.191	
18	MC	55	2044	0.37	1.61	0.205	-2.65	1.23	0.267	0.04	1.64	0.201	
19	MC	55	2044	0.74	2.25	0.133	-6.60	2.39	0.122	0.10	2.87	0.090	
20	MC	55	2044	0.74	4.95	0.026	-12.02	6.78	0.009	0.16	7.52	0.006	
21	MC	55	2044	0.47	1.82	0.177	-1.62	0.40	0.525	0.03	0.67	0.411	NonUniform
22	MC	55	2044	0.36	1.02	0.313	-4.05	1.72	0.189	0.06	2.04	0.153	
23	MC	55	2044	1.13	3.34	0.068	-0.27	0.01	0.943	0.02	0.14	0.713	
24	MC	55	2044	0.00	0.00	0.995	-1.07	0.13	0.720	0.01	0.13	0.719	
25	MC	55	2044	0.79	1.63	0.201	7.85	2.40	0.122	-0.09	2.20	0.138	
26	MC	55	2044	0.84	3.88	0.049	2.97	1.01	0.315	-0.03	0.55	0.460	
27	MC	57	2111	-0.36	0.64	0.425	-2.87	0.95	0.331	0.04	0.72	0.398	
28	MC	57	2111	12.57	0.00	0.984	12.93	0.00	0.982	-0.06	0.00	0.994	
29	MC	57	2111	12.52	0.00	0.975	14.53	0.00	0.981	-0.07	0.00	0.993	
30	MC	57	2111	0.31	1.06	0.304	-2.35	1.23	0.266	0.04	1.59	0.207	
31	MC	57	2111	0.14	0.16	0.689	-1.19	0.27	0.603	0.02	0.34	0.559	NonUniform
32	MC	57	2111	-0.50	2.68	0.101	0.15	0.01	0.934	-0.01	0.13	0.715	
33	MC	57	2111	0.54	0.97	0.325	1.35	0.20	0.659	-0.01	0.07	0.785	
34	MC	57	2111	0.12	0.08	0.777	0.91	0.14	0.709	-0.01	0.11	0.740	
35	MC	57	2111	0.78	6.22	0.013	-0.09	0.00	0.964	0.01	0.21	0.648	
36	MC	57	2111	0.78	1.13	0.287	4.09	0.86	0.353	-0.05	0.63	0.426	
37	MC	57	2111	0.40	2.00	0.157	-7.08	8.39	0.004	0.10	9.68	0.002	
38	MC	57	2111	0.41	1.94	0.164	-1.75	0.76	0.382	0.03	1.18	0.277	
39	MC	57	2111	0.27	0.89	0.346	-6.36	6.23	0.013	0.09	6.81	0.009	
40	MC	57	2111	0.30	0.81	0.368	-1.36	0.37	0.543	0.02	0.56	0.455	NonUniform
41	MC	57	2111	0.69	3.51	0.061	-1.72	0.47	0.491	0.03	0.93	0.335	
42	MC	57	2111	0.67	2.22	0.136	-2.04	0.52	0.473	0.04	0.89	0.345	
43	MC	57	2111	0.41	2.19	0.139	-2.84	2.09	0.148	0.04	2.81	0.094	
44	MC	57	2111	0.39	1.38	0.240	-0.09	0.00	0.966	0.01	0.05	0.817	
45	MC	57	2111	0.34	1.25	0.264	-2.39	1.19	0.275	0.04	1.57	0.210	
46	MC	48	1959	0.32	0.26	0.609	-0.73	0.07	0.793	0.01	0.14	0.704	
47	MC	48	1959	-2.18	7.24	0.007	-0.27	0.01	0.939	-0.03	0.32	0.574	
48	MC	48	1959	0.03	0.00	0.968	-2.70	0.69	0.406	0.04	0.71	0.401	Uniform<
49	MC	48	1959	0.10	0.09	0.768	-0.90	0.15	0.702	0.01	0.19	0.665	
50	MC	48	1959	0.60	1.86	0.173	0.94	0.17	0.684	0.00	0.02	0.879	
51	MC	48	1959	-0.03	0.00	0.969	-8.87	0.52	0.470	0.17	0.43	0.511	
52	MC	48	1959	0.74	2.20	0.138	0.38	0.02	0.878	0.00	0.02	0.884	
53	MC	48	1959	1.55	2.16	0.142	3.77	0.70	0.402	-0.03	0.29	0.591	
54	MC	48	1959	-0.47	2.39	0.122	-2.77	1.46	0.227	0.03	1.04	0.309	
55	MC	48	1959	12.08	0.00	0.978	14.71	0.00	0.984	-0.07	0.00	0.994	
56	MC	48	1959	0.54	0.44	0.506	2.69	0.71	0.399	-0.03	0.53	0.468	
57	MC	48	1959	0.79	2.45	0.118	-2.57	0.80	0.372	0.05	1.38	0.241	Uniform>
58	MC	48	1959	0.15	0.22	0.640	0.59	0.09	0.766	-0.01	0.05	0.821	
59	MC	48	1959	0.28	0.80	0.371	-2.00	0.78	0.378	0.03	1.03	0.309	
60	MC	48	1959	0.49	1.68	0.195	-2.34	0.81	0.367	0.04	1.22	0.270	
61	MC	48	1959	-0.38	1.56	0.211	-6.35	4.66	0.031	0.07	4.28	0.039	
62	MC	48	1959	0.37	1.19	0.275	-0.58	0.07	0.795	0.01	0.18	0.667	
63	MC	48	1959	1.22	10.13	0.001	-4.77	2.59	0.108	0.08	4.12	0.042	
64	MC	48	1959	0.30	0.86	0.355	0.70	0.12	0.727	0.00	0.04	0.839	
65	MC	55	2078	-0.49	0.96	0.327	5.38	1.83	0.176	-0.07	2.39	0.122	
66	MC	55	2078	-1.15	1.17	0.280	20.78	1.27	0.260	-0.24	1.65	0.198	Uniform>
67	MC	55	2078	0.70	0.90	0.342	-8.36	1.37	0.242	0.12	1.47	0.226	
68	MC	55	2078	-0.10	0.10	0.753	-0.68	0.08	0.781	0.01	0.06	0.812	
69	MC	55	2078	0.36	1.41	0.236	2.70	1.44	0.230	-0.03	1.11	0.291	
70	MC	55	2078	-0.48	2.51	0.113	1.16	0.26	0.608	-0.02	0.54	0.463	

**Table F.114: Logistic Regression DIF Results on Stage II Reading Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	55	2078	12.64	0.00	0.980	16.19	0.00	0.978	-0.09	0.00	0.989	
72	MC	55	2078	0.01	0.00	0.985	4.06	1.12	0.289	-0.05	1.21	0.270	
73	MC	55	2078	-0.65	4.74	0.030	-1.11	0.24	0.627	0.01	0.04	0.838	
74	MC	55	2078	-0.14	0.09	0.764	-4.37	1.63	0.202	0.05	1.49	0.222	
75	MC	55	2078	-0.05	0.02	0.888	-1.58	0.44	0.509	0.02	0.42	0.519	
76	MC	55	2078	1.16	3.58	0.059	0.18	0.00	0.967	0.01	0.05	0.818	
77	MC	55	2078	0.82	3.32	0.068	-1.64	0.24	0.623	0.03	0.54	0.462	
78	MC	55	2078	0.30	0.54	0.460	-2.02	0.40	0.529	0.03	0.52	0.469	
79	MC	55	2078	0.42	1.80	0.179	0.63	0.07	0.787	0.00	0.01	0.928	
80	MC	55	2078	0.41	0.59	0.441	-0.92	0.06	0.806	0.02	0.13	0.722	
81	MC	55	2078	0.21	0.27	0.602	-3.05	0.85	0.356	0.04	0.97	0.325	
82	MC	55	2078	0.19	0.31	0.579	1.58	0.39	0.531	-0.02	0.31	0.577	
83	MC	55	2078	0.34	0.95	0.330	-0.13	0.00	0.961	0.01	0.03	0.854	
189	SA1	215	8192	0.00	0.00	0.981	-2.98	7.22	0.007	0.04	7.25	0.007	NonUniform
191	SA3	215	8192	0.15	0.80	0.371	2.78	8.17	0.004	-0.03	7.64	0.006	NonUniform
192	SA1	55	2044	-0.19	0.27	0.601	-1.00	0.15	0.698	0.01	0.10	0.753	
193	SA1	55	2044	-0.18	0.24	0.627	-3.52	1.58	0.209	0.04	1.42	0.233	
202	SA3	55	2044	-0.30	1.10	0.294	2.26	1.17	0.280	-0.03	1.50	0.221	
203	SA3	55	2044	-0.13	0.23	0.633	-1.89	0.57	0.449	0.02	0.49	0.482	
204	SA1	57	2111	-0.76	6.77	0.009	-3.32	2.78	0.095	0.03	1.67	0.196	Uniform<
212	SA3	57	2111	0.30	0.86	0.354	3.00	2.39	0.122	-0.04	1.99	0.158	
213	SA3	57	2111	0.40	1.80	0.180	-1.09	0.24	0.623	0.02	0.44	0.507	
214	SA3	57	2111	-0.02	0.00	0.956	2.22	1.67	0.196	-0.03	1.74	0.188	
215	SA1	48	1959	-0.12	0.09	0.762	0.16	0.00	0.944	0.00	0.02	0.899	
216	SA1	48	1959	-0.28	0.53	0.466	-0.83	0.14	0.708	0.01	0.06	0.801	
224	SA3	48	1959	0.75	4.29	0.038	-1.32	0.35	0.553	0.03	0.89	0.346	
225	SA3	48	1959	1.04	9.96	0.002	1.00	0.22	0.640	0.00	0.00	0.984	Uniform>
226	SA1	55	2078	0.90	4.70	0.030	-4.75	2.18	0.139	0.07	2.97	0.085	
234	SA3	55	2078	0.77	5.12	0.024	2.25	0.82	0.365	-0.02	0.36	0.548	
235	SA3	55	2078	-0.70	1.64	0.200	6.60	2.83	0.092	-0.09	3.92	0.048	
236	SA3	55	2078	-0.05	0.02	0.876	-0.80	0.09	0.762	0.01	0.08	0.776	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.115: Logistic Regression DIF Results on Stage II Reading Items for the FRL/Non-FRL Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	9003	1204	-0.05	0.12	0.724	0.00	0.00	0.996	0.00	0.01	0.912	NonUniform
2	MC	9003	1204	0.04	0.34	0.558	-0.18	0.53	0.467	0.00	0.86	0.353	
3	MC	9003	1204	-0.05	0.53	0.467	0.45	4.01	0.045	-0.01	5.29	0.021	
4	MC	9003	1204	-0.09	2.15	0.142	0.02	0.01	0.918	0.00	0.29	0.588	
5	MC	9003	1204	0.05	0.44	0.506	0.26	1.03	0.311	0.00	0.76	0.384	
6	MC	9003	1204	0.02	0.06	0.812	0.13	0.26	0.611	0.00	0.21	0.644	
7	MC	9003	1204	0.03	0.18	0.672	0.77	6.98	0.008	-0.01	6.84	0.009	
8	MC	2252	344	-0.02	0.03	0.855	0.52	0.91	0.339	-0.01	1.06	0.303	
9	MC	2252	344	-0.22	1.97	0.160	-0.62	1.39	0.239	0.01	0.66	0.418	
10	MC	2252	344	-0.34	1.08	0.298	0.34	0.08	0.774	-0.02	0.35	0.554	Uniform>
11	MC	2252	344	0.34	7.13	0.008	0.60	1.63	0.201	0.00	0.34	0.559	
12	MC	2252	344	-0.05	0.15	0.696	-0.17	0.10	0.758	0.00	0.05	0.828	
13	MC	2252	344	-0.10	0.52	0.472	-0.36	0.59	0.442	0.00	0.34	0.559	
14	MC	2252	344	-0.29	3.91	0.048	-0.71	1.57	0.210	0.01	0.58	0.447	
15	MC	2252	344	-0.05	0.15	0.703	-0.47	0.88	0.348	0.01	0.76	0.384	
16	MC	2252	344	0.02	0.02	0.879	0.64	1.13	0.288	-0.01	1.11	0.292	
17	MC	2252	344	-0.03	0.04	0.833	-0.51	0.84	0.358	0.01	0.82	0.366	
18	MC	2252	344	-0.23	3.59	0.058	0.28	0.41	0.521	-0.01	1.51	0.219	
19	MC	2252	344	-0.17	1.57	0.210	-0.13	0.06	0.806	0.00	0.01	0.936	
20	MC	2252	344	-0.12	0.99	0.320	0.74	2.73	0.098	-0.01	3.98	0.046	NonUniform
21	MC	2252	344	0.28	5.32	0.021	1.23	6.86	0.009	-0.02	4.39	0.036	
22	MC	2252	344	-0.23	3.12	0.078	0.13	0.07	0.789	-0.01	0.57	0.451	
23	MC	2252	344	-0.02	0.03	0.862	0.85	2.11	0.147	-0.02	2.34	0.126	
24	MC	2252	344	0.11	0.63	0.426	0.48	0.76	0.384	-0.01	0.48	0.486	
25	MC	2252	344	0.25	3.47	0.063	0.51	0.89	0.345	0.00	0.24	0.622	
26	MC	2252	344	-0.20	2.37	0.123	0.06	0.02	0.896	0.00	0.31	0.580	
27	MC	2281	294	-0.17	1.00	0.317	-0.23	0.14	0.707	0.00	0.01	0.920	
28	MC	2281	294	-0.22	0.44	0.505	-0.75	0.48	0.489	0.01	0.27	0.601	
29	MC	2281	294	-0.10	0.22	0.643	0.58	0.52	0.472	-0.02	0.74	0.389	
30	MC	2281	294	0.16	1.48	0.223	-0.69	2.32	0.127	0.01	3.87	0.049	NonUniform
31	MC	2281	294	-0.13	0.91	0.339	-0.02	0.00	0.972	0.00	0.05	0.821	
32	MC	2281	294	0.13	0.96	0.326	0.80	2.94	0.086	-0.01	2.23	0.136	
33	MC	2281	294	-0.04	0.09	0.770	-0.71	1.59	0.208	0.01	1.51	0.219	
34	MC	2281	294	0.06	0.16	0.692	-1.15	4.63	0.031	0.02	5.54	0.019	
35	MC	2281	294	0.06	0.22	0.640	0.38	0.70	0.403	-0.01	0.54	0.463	
36	MC	2281	294	0.06	0.13	0.714	-0.14	0.06	0.804	0.00	0.14	0.711	
37	MC	2281	294	0.01	0.01	0.941	0.90	3.71	0.054	-0.02	4.02	0.045	
38	MC	2281	294	-0.26	3.85	0.050	-0.13	0.07	0.786	0.00	0.08	0.777	
39	MC	2281	294	0.01	0.00	0.953	0.89	3.02	0.082	-0.02	3.22	0.073	NonUniform
40	MC	2281	294	0.01	0.00	0.956	0.38	0.54	0.463	-0.01	0.56	0.456	
41	MC	2281	294	0.25	3.29	0.070	0.92	2.74	0.098	-0.01	1.55	0.213	
42	MC	2281	294	0.18	1.72	0.189	-0.11	0.05	0.822	0.01	0.39	0.532	
43	MC	2281	294	-0.14	1.06	0.302	1.55	8.79	0.003	-0.03	11.37	0.001	
44	MC	2281	294	0.22	2.61	0.106	0.96	2.93	0.087	-0.01	1.84	0.175	
45	MC	2281	294	0.33	5.71	0.017	0.53	1.09	0.296	0.00	0.18	0.675	
46	MC	2187	275	-0.51	7.63	0.006	-0.50	0.58	0.447	0.00	0.00	0.996	
47	MC	2187	275	-1.29	3.18	0.074	-7.95	6.18	0.013	0.12	7.30	0.007	
48	MC	2187	275	-0.02	0.02	0.890	0.56	0.57	0.449	-0.01	0.65	0.419	NonUniform
49	MC	2187	275	-0.14	1.09	0.296	0.33	0.31	0.575	-0.01	0.70	0.403	
50	MC	2187	275	0.29	4.24	0.040	-0.62	1.33	0.250	0.02	3.05	0.081	
51	MC	2187	275	-0.12	0.43	0.511	1.57	2.63	0.105	-0.03	3.13	0.077	
52	MC	2187	275	-0.08	0.33	0.564	0.58	0.96	0.327	-0.01	1.33	0.249	
53	MC	2187	275	-0.17	1.04	0.307	-0.11	0.02	0.877	0.00	0.01	0.927	
54	MC	2187	275	0.02	0.03	0.870	-0.18	0.15	0.694	0.00	0.21	0.648	
55	MC	2187	275	0.03	0.01	0.913	0.67	0.55	0.457	-0.01	0.54	0.464	
56	MC	2187	275	0.03	0.02	0.878	1.43	2.85	0.091	-0.03	2.85	0.092	
57	MC	2187	275	-0.07	0.21	0.646	0.73	1.34	0.248	-0.01	1.67	0.196	NonUniform
58	MC	2187	275	0.19	1.93	0.164	0.21	0.15	0.699	0.00	0.00	0.978	
59	MC	2187	275	0.05	0.14	0.712	1.22	4.76	0.029	-0.02	4.71	0.030	
60	MC	2187	275	0.10	0.55	0.457	-0.07	0.02	0.902	0.00	0.11	0.746	
61	MC	2187	275	-0.09	0.49	0.484	-0.09	0.04	0.849	0.00	0.00	0.996	
62	MC	2187	275	0.16	1.35	0.246	2.58	12.06	0.001	-0.04	11.21	0.001	
63	MC	2187	275	-0.06	0.18	0.674	0.33	0.42	0.519	-0.01	0.61	0.435	
64	MC	2187	275	0.23	2.94	0.086	0.21	0.16	0.685	0.00	0.00	0.964	
65	MC	2283	291	-0.08	0.22	0.639	1.76	5.36	0.021	-0.03	5.97	0.015	NonUniform
66	MC	2283	291	0.40	1.53	0.217	0.54	0.23	0.635	0.00	0.02	0.900	
67	MC	2283	291	0.06	0.16	0.694	-0.14	0.05	0.825	0.00	0.11	0.745	
68	MC	2283	291	0.38	7.80	0.005	0.99	2.74	0.098	-0.01	1.11	0.292	
69	MC	2283	291	0.72	22.53	0.000	2.16	8.46	0.004	-0.02	4.02	0.045	
70	MC	2283	291	0.17	1.63	0.202	-0.02	0.00	0.966	0.00	0.16	0.693	



**Table F.115: Logistic Regression DIF Results on Stage II Reading Items for the FRL/Non-FRL Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	2283	291	0.22	1.38	0.239	0.30	0.14	0.707	0.00	0.01	0.917	
72	MC	2283	291	-0.03	0.04	0.837	0.28	0.16	0.688	-0.01	0.21	0.647	
73	MC	2283	291	0.11	0.72	0.397	-0.45	0.82	0.365	0.01	1.36	0.243	
74	MC	2283	291	0.26	3.01	0.083	0.24	0.18	0.675	0.00	0.00	0.973	
75	MC	2283	291	0.03	0.04	0.836	0.01	0.00	0.985	0.00	0.00	0.971	
76	MC	2283	291	0.38	6.71	0.010	1.08	2.10	0.148	-0.01	0.92	0.338	Uniform>
77	MC	2283	291	-0.14	1.03	0.310	0.16	0.07	0.794	0.00	0.26	0.612	
78	MC	2283	291	0.19	1.77	0.183	0.60	0.69	0.407	-0.01	0.33	0.567	
79	MC	2283	291	-0.02	0.02	0.898	1.17	3.85	0.050	-0.02	4.20	0.040	
80	MC	2283	291	-0.10	0.40	0.528	-0.33	0.32	0.572	0.00	0.17	0.677	
81	MC	2283	291	0.42	8.59	0.003	1.13	2.50	0.114	-0.01	1.03	0.311	Uniform>
82	MC	2283	291	-0.12	0.78	0.376	0.13	0.05	0.819	0.00	0.21	0.646	
83	MC	2283	291	0.22	2.62	0.106	0.21	0.15	0.695	0.00	0.00	0.999	
189	SA1	9003	1204	-0.08	1.59	0.208	0.10	0.17	0.682	0.00	0.63	0.428	
191	SA3	9003	1204	0.14	5.05	0.025	-0.47	3.81	0.051	0.01	6.71	0.010	NonUniform
192	SA1	2252	344	-0.12	0.80	0.372	0.39	0.65	0.421	-0.01	1.20	0.274	
193	SA1	2252	344	-0.03	0.04	0.844	0.14	0.09	0.768	0.00	0.13	0.716	
202	SA3	2252	344	-0.13	0.96	0.328	-0.23	0.16	0.688	0.00	0.03	0.855	
203	SA3	2252	344	-0.10	0.54	0.463	-0.47	0.54	0.461	0.01	0.35	0.553	
204	SA1	2281	294	-0.29	4.22	0.040	-0.11	0.05	0.822	0.00	0.16	0.692	
212	SA3	2281	294	-0.06	0.24	0.627	-0.61	1.47	0.225	0.01	1.28	0.259	
213	SA3	2281	294	0.23	2.91	0.088	0.09	0.02	0.883	0.00	0.06	0.805	
214	SA3	2281	294	0.05	0.15	0.703	-0.03	0.00	0.960	0.00	0.02	0.889	
215	SA1	2187	275	-0.13	0.77	0.382	-0.13	0.06	0.808	0.00	0.00	0.998	
216	SA1	2187	275	-0.07	0.23	0.633	0.15	0.08	0.784	0.00	0.17	0.678	
224	SA3	2187	275	-0.09	0.56	0.455	-0.11	0.04	0.832	0.00	0.00	0.975	
225	SA3	2187	275	-0.05	0.11	0.738	0.03	0.00	0.964	0.00	0.01	0.906	
226	SA1	2283	291	-0.05	0.14	0.709	-0.67	1.87	0.172	0.01	1.74	0.187	
234	SA3	2283	291	-0.02	0.03	0.852	-0.89	2.34	0.126	0.01	2.32	0.127	
235	SA3	2283	291	-0.18	1.38	0.240	-1.06	2.86	0.091	0.02	2.10	0.148	
236	SA3	2283	291	-0.16	1.27	0.260	-0.24	0.09	0.769	0.00	0.01	0.920	

Note: MC= Multiple-choice Item, SA1=1 Point Short Answer Item, SA3=3 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.116: Logistic Regression DIF Results on Stage II Writing Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NU}$	Wald $\chi^2$	p-value	$\beta_2^{NU}$	Wald $\chi^2$	p-value	
84	MC	3802	4390	0.10	5.09	0.024	0.03	0.03	0.865	0.00	0.18	0.668	
85	MC	3802	4390	-0.05	1.06	0.304	0.09	0.25	0.617	0.00	0.63	0.429	
86	MC	944	1100	0.08	0.65	0.419	-0.53	1.39	0.239	0.01	1.95	0.162	
87	MC	944	1100	-0.01	0.00	0.954	-0.39	0.96	0.327	0.01	1.00	0.318	
88	MC	944	1100	-0.08	0.75	0.386	0.21	0.31	0.577	-0.01	0.65	0.420	
89	MC	944	1100	-0.02	0.07	0.790	0.10	0.07	0.785	0.00	0.12	0.727	
90	MC	944	1100	-0.01	0.01	0.943	-0.57	2.06	0.151	0.01	2.13	0.144	
91	MC	944	1100	0.34	12.36	0.000	0.29	0.51	0.474	0.00	0.01	0.903	Uniform>
92	MC	944	1100	0.10	0.84	0.360	0.19	0.17	0.684	0.00	0.04	0.836	
93	MC	944	1100	0.00	0.00	0.989	-0.06	0.02	0.882	0.00	0.02	0.874	
94	MC	944	1100	-0.04	0.15	0.700	-0.34	0.53	0.468	0.01	0.43	0.510	
95	MC	944	1100	0.05	0.28	0.596	-0.07	0.03	0.854	0.00	0.11	0.745	
96	MC	966	1145	-0.14	2.34	0.126	-0.46	1.70	0.192	0.01	0.88	0.349	
97	MC	966	1145	0.11	1.35	0.245	-0.39	1.25	0.264	0.01	2.16	0.142	
98	MC	966	1145	-0.06	0.37	0.542	-0.03	0.01	0.925	0.00	0.01	0.942	
99	MC	966	1145	0.11	1.38	0.240	0.27	0.52	0.470	0.00	0.19	0.659	
100	MC	966	1145	-0.04	0.16	0.692	-0.46	1.70	0.192	0.01	1.55	0.213	
101	MC	966	1145	0.33	8.75	0.003	-0.44	0.77	0.382	0.02	2.51	0.113	Uniform>
102	MC	966	1145	0.13	1.54	0.214	-0.40	0.74	0.390	0.01	1.36	0.243	
103	MC	966	1145	0.17	3.03	0.082	-0.10	0.05	0.820	0.01	0.39	0.530	
104	MC	966	1145	-0.03	0.07	0.786	-0.71	3.06	0.080	0.01	3.01	0.083	
105	MC	966	1145	0.05	0.26	0.610	0.40	1.26	0.261	-0.01	1.06	0.304	
106	MC	903	1056	-0.03	0.13	0.715	-0.22	0.36	0.548	0.00	0.27	0.601	
107	MC	903	1056	0.17	3.06	0.080	-0.11	0.09	0.760	0.01	0.61	0.435	
108	MC	903	1056	-0.02	0.07	0.793	-0.13	0.13	0.721	0.00	0.09	0.764	
109	MC	903	1056	0.17	2.57	0.109	0.04	0.01	0.919	0.00	0.10	0.757	
110	MC	903	1056	-0.05	0.21	0.647	0.02	0.00	0.954	0.00	0.03	0.860	
111	MC	903	1056	-0.11	1.19	0.275	0.14	0.13	0.718	0.00	0.43	0.511	
112	MC	903	1056	-0.06	0.31	0.576	0.80	2.99	0.084	-0.02	3.67	0.055	
113	MC	903	1056	0.08	0.62	0.430	0.07	0.03	0.869	0.00	0.00	0.984	
114	MC	903	1056	0.06	0.35	0.555	0.07	0.04	0.842	0.00	0.00	0.960	
115	MC	903	1056	-0.04	0.14	0.709	0.01	0.00	0.988	0.00	0.01	0.909	
116	MC	989	1089	-0.02	0.02	0.878	-0.36	0.62	0.433	0.01	0.59	0.441	
117	MC	989	1089	0.14	2.43	0.119	-0.08	0.05	0.815	0.00	0.43	0.513	
118	MC	989	1089	0.12	1.84	0.175	0.36	1.08	0.299	0.00	0.50	0.480	
119	MC	989	1089	-0.03	0.10	0.756	0.39	1.21	0.271	-0.01	1.49	0.222	
120	MC	989	1089	0.08	0.62	0.432	-0.08	0.04	0.842	0.00	0.16	0.691	
121	MC	989	1089	0.12	1.57	0.210	0.18	0.26	0.609	0.00	0.03	0.852	
122	MC	989	1089	0.10	0.98	0.323	-0.06	0.02	0.889	0.00	0.15	0.695	
123	MC	989	1089	0.12	1.28	0.259	-0.03	0.00	0.947	0.00	0.14	0.711	
124	MC	989	1089	0.17	2.96	0.085	0.41	1.08	0.299	0.00	0.41	0.524	
125	MC	989	1089	-0.15	2.38	0.123	0.09	0.04	0.836	0.00	0.34	0.557	
126	ER	3802	4390	0.38	74.80	0.000	0.52	10.36	0.001	0.00	0.80	0.370	Uniform>
127	ER	944	1100	0.49	33.01	0.000	0.73	5.10	0.024	0.00	0.59	0.444	Uniform>
128	ER	944	1100	0.32	13.36	0.000	0.52	2.52	0.112	0.00	0.39	0.533	Uniform>
129	ER	966	1145	0.56	42.35	0.000	0.89	8.01	0.005	-0.01	1.21	0.271	Uniform>
130	ER	966	1145	0.47	28.49	0.000	0.27	0.73	0.392	0.00	0.41	0.523	Uniform>
131	ER	903	1056	0.41	20.91	0.000	1.17	12.40	0.000	-0.01	5.66	0.017	Uniform>
132	ER	903	1056	0.37	16.08	0.000	0.62	3.42	0.065	0.00	0.61	0.435	Uniform>
133	ER	989	1089	0.42	23.02	0.000	0.64	4.12	0.042	0.00	0.52	0.470	Uniform>
134	ER	989	1089	0.47	27.83	0.000	0.27	0.71	0.399	0.00	0.43	0.512	Uniform>

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.117: Logistic Regression DIF Results on Stage II Writing Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
84	MC	7240	952	0.02	0.10	0.752	0.30	1.17	0.279	0.00	1.07	0.300	
85	MC	7240	952	-0.15	4.25	0.039	0.06	0.05	0.823	0.00	0.62	0.432	
86	MC	1821	223	-0.04	0.05	0.832	0.13	0.03	0.861	0.00	0.05	0.817	
87	MC	1821	223	-0.16	1.14	0.286	1.40	4.62	0.032	-0.03	6.25	0.012	
88	MC	1821	223	0.09	0.37	0.544	0.74	1.46	0.228	-0.01	1.20	0.273	
89	MC	1821	223	0.00	0.00	0.986	1.17	3.42	0.064	-0.02	3.64	0.057	
90	MC	1821	223	0.15	0.97	0.324	-0.31	0.27	0.605	0.01	0.63	0.426	
91	MC	1821	223	-0.11	0.47	0.493	0.38	0.33	0.566	-0.01	0.57	0.449	
92	MC	1821	223	0.13	0.60	0.440	0.31	0.16	0.687	0.00	0.06	0.814	
93	MC	1821	223	0.10	0.41	0.520	-0.03	0.00	0.966	0.00	0.05	0.823	
94	MC	1821	223	0.13	0.60	0.438	0.29	0.16	0.691	0.00	0.05	0.818	
95	MC	1821	223	-0.06	0.16	0.694	0.09	0.03	0.873	0.00	0.07	0.788	
96	MC	1842	269	-0.08	0.31	0.575	-0.47	0.80	0.370	0.01	0.60	0.439	
97	MC	1842	269	-0.15	1.29	0.256	0.21	0.15	0.698	-0.01	0.49	0.486	
98	MC	1842	269	-0.12	0.73	0.391	0.43	0.63	0.426	-0.01	1.13	0.288	
99	MC	1842	269	0.09	0.40	0.525	-1.00	3.44	0.064	0.02	4.32	0.038	
100	MC	1842	269	0.11	0.70	0.403	0.89	2.53	0.112	-0.01	2.06	0.151	
101	MC	1842	269	-0.38	4.21	0.040	0.51	0.36	0.550	-0.02	1.14	0.286	
102	MC	1842	269	-0.19	1.35	0.246	0.33	0.19	0.664	-0.01	0.50	0.481	
103	MC	1842	269	0.17	1.30	0.253	0.42	0.35	0.556	0.00	0.13	0.723	
104	MC	1842	269	-0.19	1.80	0.180	-0.84	2.11	0.146	0.01	1.34	0.247	
105	MC	1842	269	-0.14	1.09	0.297	0.31	0.31	0.575	-0.01	0.71	0.400	
106	MC	1731	228	-0.16	1.11	0.291	-0.91	3.02	0.082	0.01	2.26	0.132	
107	MC	1731	228	-0.16	1.15	0.283	0.34	0.37	0.542	-0.01	0.86	0.355	
108	MC	1731	228	-0.12	0.67	0.412	1.19	3.83	0.050	-0.02	4.98	0.026	
109	MC	1731	228	-0.13	0.62	0.431	-0.10	0.03	0.867	0.00	0.00	0.963	
110	MC	1731	228	0.07	0.22	0.637	1.29	3.83	0.050	-0.02	3.61	0.057	
111	MC	1731	228	0.39	6.47	0.011	0.86	1.90	0.169	-0.01	0.60	0.440	
112	MC	1731	228	0.20	1.37	0.242	1.18	2.54	0.111	-0.02	1.84	0.175	
113	MC	1731	228	0.08	0.27	0.603	0.25	0.15	0.700	0.00	0.07	0.791	
114	MC	1731	228	0.36	5.86	0.015	0.89	2.30	0.129	-0.01	0.87	0.351	
115	MC	1731	228	-0.10	0.43	0.513	0.10	0.03	0.852	0.00	0.14	0.708	
116	MC	1846	232	-0.05	0.07	0.795	0.70	0.86	0.353	-0.01	1.03	0.310	
117	MC	1846	232	-0.19	1.76	0.185	0.08	0.02	0.887	0.00	0.26	0.613	
118	MC	1846	232	-0.11	0.58	0.446	-0.23	0.19	0.664	0.00	0.06	0.814	
119	MC	1846	232	0.02	0.02	0.880	-0.49	0.86	0.354	0.01	1.01	0.316	
120	MC	1846	232	-0.16	1.07	0.301	-0.12	0.03	0.853	0.00	0.01	0.943	
121	MC	1846	232	-0.19	1.53	0.216	0.45	0.62	0.433	-0.01	1.34	0.247	
122	MC	1846	232	-0.28	2.66	0.103	-0.38	0.35	0.553	0.00	0.03	0.869	
123	MC	1846	232	-0.42	5.62	0.018	-0.55	0.77	0.381	0.00	0.04	0.838	
124	MC	1846	232	-0.05	0.12	0.732	-0.56	0.89	0.345	0.01	0.78	0.376	
125	MC	1846	232	-0.17	1.20	0.274	-1.13	3.51	0.061	0.02	2.68	0.101	
126	ER	7240	952	0.02	0.05	0.820	-0.71	8.40	0.004	0.01	9.54	0.002	NonUniform
127	ER	1821	223	0.25	3.23	0.072	-0.92	3.28	0.070	0.02	5.63	0.018	
128	ER	1821	223	-0.02	0.02	0.884	-0.59	1.31	0.253	0.01	1.35	0.246	
129	ER	1842	269	-0.05	0.13	0.717	-0.09	0.04	0.852	0.00	0.01	0.925	
130	ER	1842	269	0.19	2.16	0.141	0.70	2.06	0.151	-0.01	1.17	0.280	
131	ER	1731	228	0.23	2.69	0.101	-0.69	2.04	0.153	0.02	3.90	0.048	
132	ER	1731	228	0.42	8.79	0.003	-0.30	0.38	0.538	0.01	2.36	0.124	Uniform>
133	ER	1846	232	0.06	0.20	0.655	0.46	0.92	0.337	-0.01	0.75	0.386	
134	ER	1846	232	-0.12	0.77	0.379	-0.11	0.05	0.825	0.00	0.00	0.975	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.118: Logistic Regression DIF Results on Stage II Writing Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
84	MC	416	7776	-0.13	1.53	0.216	0.12	0.09	0.769	0.00	0.41	0.520	
85	MC	416	7776	0.16	2.47	0.116	-0.03	0.01	0.937	0.00	0.25	0.617	
86	MC	61	1983	0.39	1.38	0.240	0.44	0.07	0.793	0.00	0.00	0.977	
87	MC	61	1983	0.43	2.55	0.110	-1.32	0.87	0.351	0.03	1.60	0.206	
88	MC	61	1983	0.03	0.01	0.922	-3.12	3.69	0.055	0.05	3.96	0.046	
89	MC	61	1983	-0.27	0.94	0.333	0.60	0.22	0.637	-0.01	0.48	0.487	
90	MC	61	1983	0.10	0.12	0.724	-0.11	0.01	0.937	0.00	0.02	0.880	
91	MC	61	1983	-0.26	0.88	0.348	-0.80	0.29	0.590	0.01	0.14	0.712	
92	MC	61	1983	0.19	0.33	0.565	-2.71	1.46	0.227	0.05	1.68	0.195	
93	MC	61	1983	0.09	0.11	0.741	1.18	0.78	0.376	-0.02	0.68	0.409	
94	MC	61	1983	-0.27	0.90	0.343	-0.62	0.14	0.709	0.01	0.04	0.833	
95	MC	61	1983	-0.18	0.46	0.500	-0.46	0.12	0.728	0.00	0.05	0.830	
96	MC	112	1999	0.17	0.69	0.406	-1.00	1.46	0.227	0.02	2.14	0.143	
97	MC	112	1999	0.52	6.83	0.009	-0.96	1.25	0.264	0.03	3.09	0.079	Uniform>
98	MC	112	1999	-0.20	0.84	0.359	-0.39	0.21	0.646	0.00	0.05	0.820	
99	MC	112	1999	0.18	0.79	0.375	0.63	0.62	0.429	-0.01	0.34	0.560	
100	MC	112	1999	0.02	0.01	0.914	-1.21	1.91	0.167	0.02	2.09	0.148	
101	MC	112	1999	0.24	0.94	0.331	0.31	0.08	0.784	0.00	0.00	0.947	
102	MC	112	1999	-0.30	1.79	0.181	-1.79	2.14	0.143	0.03	1.53	0.216	
103	MC	112	1999	-0.19	0.71	0.399	-0.68	0.40	0.529	0.01	0.22	0.639	
104	MC	112	1999	0.26	1.52	0.218	-1.40	1.77	0.184	0.03	2.59	0.108	
105	MC	112	1999	-0.33	2.44	0.119	-1.56	2.79	0.095	0.02	1.86	0.173	
106	MC	96	1863	0.13	0.37	0.545	0.09	0.01	0.911	0.00	0.00	0.958	
107	MC	96	1863	-0.06	0.07	0.797	0.51	0.40	0.529	-0.01	0.52	0.469	
108	MC	96	1863	-0.26	1.36	0.243	-0.34	0.15	0.699	0.00	0.01	0.929	
109	MC	96	1863	-0.02	0.01	0.927	-1.43	1.79	0.181	0.03	1.78	0.182	
110	MC	96	1863	-0.26	1.28	0.258	-0.31	0.12	0.732	0.00	0.00	0.953	
111	MC	96	1863	0.15	0.49	0.485	1.21	2.27	0.132	-0.02	1.86	0.173	
112	MC	96	1863	-0.05	0.04	0.837	-0.56	0.27	0.603	0.01	0.23	0.629	
113	MC	96	1863	-0.18	0.61	0.436	-1.19	1.24	0.265	0.02	0.93	0.334	
114	MC	96	1863	-0.10	0.23	0.634	-0.34	0.16	0.692	0.00	0.08	0.777	
115	MC	96	1863	-0.11	0.26	0.613	-0.19	0.05	0.826	0.00	0.01	0.927	
116	MC	147	1931	0.66	8.22	0.004	1.14	1.75	0.186	-0.01	0.34	0.560	Uniform>
117	MC	147	1931	-0.41	5.07	0.024	0.34	0.27	0.605	-0.01	1.39	0.238	
118	MC	147	1931	-0.12	0.46	0.499	-0.96	1.99	0.159	0.01	1.64	0.201	
119	MC	147	1931	0.01	0.01	0.938	0.63	0.97	0.325	-0.01	1.00	0.318	
120	MC	147	1931	0.33	2.95	0.086	-0.81	0.98	0.323	0.02	2.02	0.156	
121	MC	147	1931	0.17	0.80	0.372	-0.80	1.25	0.263	0.02	1.93	0.164	
122	MC	147	1931	0.73	11.25	0.001	0.25	0.09	0.766	0.01	0.32	0.570	Uniform>
123	MC	147	1931	0.27	1.64	0.201	-2.92	7.48	0.006	0.07	8.74	0.003	NonUniform
124	MC	147	1931	0.09	0.22	0.641	-1.39	2.67	0.102	0.03	3.15	0.076	
125	MC	147	1931	0.53	7.99	0.005	1.07	2.27	0.132	-0.01	0.61	0.435	Uniform>
126	ER	416	7776	-0.03	0.11	0.745	0.17	0.21	0.648	0.00	0.32	0.571	
127	ER	61	1983	0.31	1.56	0.212	-0.57	0.24	0.622	0.01	0.62	0.431	
128	ER	61	1983	-0.01	0.00	0.978	1.64	1.96	0.162	-0.03	2.10	0.147	
129	ER	112	1999	-0.22	1.34	0.247	-0.89	1.55	0.213	0.01	0.97	0.326	
130	ER	112	1999	-0.21	1.14	0.285	-0.24	0.11	0.739	0.00	0.00	0.963	
131	ER	96	1863	-0.52	6.40	0.011	0.62	0.69	0.405	-0.02	2.54	0.111	
132	ER	96	1863	-0.41	3.79	0.051	0.99	1.73	0.189	-0.03	3.77	0.052	
133	ER	147	1931	0.45	7.04	0.008	-1.27	4.76	0.029	0.03	9.44	0.002	NonUniform
134	ER	147	1931	0.09	0.28	0.598	-0.27	0.21	0.646	0.01	0.41	0.523	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.119: Logistic Regression DIF Results on Stage II Writing Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
84	MC	780	7412	0.14	3.34	0.068	0.10	0.11	0.736	0.00	0.03	0.867	
85	MC	780	7412	0.03	0.11	0.742	-0.09	0.08	0.773	0.00	0.15	0.695	
86	MC	208	1836	0.26	2.46	0.117	0.17	0.06	0.803	0.00	0.02	0.884	
87	MC	208	1836	0.08	0.24	0.627	1.04	3.18	0.074	-0.02	2.87	0.090	
88	MC	208	1836	-0.15	0.84	0.360	1.03	3.11	0.078	-0.02	4.32	0.038	
89	MC	208	1836	-0.29	3.22	0.073	0.89	2.40	0.121	-0.02	4.49	0.034	
90	MC	208	1836	-0.43	7.28	0.007	0.93	2.61	0.106	-0.03	6.02	0.014	Uniform<
91	MC	208	1836	0.12	0.60	0.439	0.08	0.02	0.899	0.00	0.01	0.941	
92	MC	208	1836	0.28	2.59	0.108	0.13	0.03	0.855	0.00	0.04	0.833	
93	MC	208	1836	-0.23	1.88	0.170	0.10	0.03	0.861	-0.01	0.35	0.554	
94	MC	208	1836	-0.08	0.25	0.619	0.63	0.84	0.360	-0.01	1.14	0.285	
95	MC	208	1836	0.02	0.02	0.892	0.80	2.08	0.149	-0.02	2.12	0.145	
96	MC	209	1902	0.21	1.83	0.177	0.29	0.29	0.592	0.00	0.03	0.870	
97	MC	209	1902	0.20	1.75	0.186	0.79	2.14	0.143	-0.01	1.29	0.257	
98	MC	209	1902	0.17	1.20	0.272	0.00	0.00	0.999	0.00	0.11	0.745	
99	MC	209	1902	-0.40	5.65	0.017	-0.30	0.23	0.632	0.00	0.03	0.865	
100	MC	209	1902	-0.31	4.05	0.044	0.78	2.02	0.156	-0.02	4.24	0.039	
101	MC	209	1902	-0.44	6.65	0.010	-0.45	0.36	0.547	0.00	0.00	0.979	Uniform<
102	MC	209	1902	0.22	1.68	0.195	-1.38	2.46	0.117	0.04	3.38	0.066	
103	MC	209	1902	-0.10	0.33	0.568	0.34	0.23	0.629	-0.01	0.41	0.521	
104	MC	209	1902	0.08	0.24	0.624	0.76	1.53	0.215	-0.01	1.31	0.252	
105	MC	209	1902	0.10	0.38	0.535	-0.12	0.04	0.840	0.00	0.14	0.704	
106	MC	185	1774	0.59	12.20	0.000	-0.17	0.07	0.789	0.02	1.54	0.214	Uniform>
107	MC	185	1774	0.29	3.23	0.072	0.21	0.13	0.717	0.00	0.02	0.887	
108	MC	185	1774	0.02	0.02	0.899	-0.12	0.04	0.841	0.00	0.06	0.807	
109	MC	185	1774	0.43	5.71	0.017	-0.50	0.46	0.498	0.02	1.67	0.197	
110	MC	185	1774	0.02	0.01	0.920	0.48	0.62	0.432	-0.01	0.62	0.431	
111	MC	185	1774	0.02	0.02	0.883	-0.10	0.03	0.868	0.00	0.05	0.831	
112	MC	185	1774	0.21	1.39	0.238	1.09	2.62	0.106	-0.02	1.84	0.175	
113	MC	185	1774	-0.03	0.04	0.848	0.39	0.33	0.565	-0.01	0.42	0.518	
114	MC	185	1774	-0.24	2.19	0.139	0.15	0.06	0.800	-0.01	0.49	0.485	
115	MC	185	1774	0.06	0.13	0.720	0.19	0.11	0.745	0.00	0.05	0.815	
116	MC	178	1900	0.16	0.71	0.399	1.33	3.49	0.062	-0.02	2.94	0.086	
117	MC	178	1900	-0.09	0.32	0.571	-0.92	1.73	0.189	0.02	1.49	0.223	
118	MC	178	1900	-0.19	1.36	0.243	-1.16	2.96	0.085	0.02	2.21	0.137	
119	MC	178	1900	-0.03	0.04	0.837	-0.60	0.77	0.379	0.01	0.74	0.390	
120	MC	178	1900	0.29	2.97	0.085	-0.09	0.02	0.900	0.01	0.29	0.592	
121	MC	178	1900	-0.40	6.11	0.013	-0.18	0.08	0.777	0.00	0.14	0.709	
122	MC	178	1900	-0.05	0.09	0.766	-0.17	0.06	0.814	0.00	0.03	0.865	
123	MC	178	1900	-0.30	2.99	0.084	0.27	0.17	0.683	-0.01	0.80	0.371	
124	MC	178	1900	0.05	0.08	0.780	0.74	1.23	0.267	-0.01	1.16	0.282	
125	MC	178	1900	-0.13	0.50	0.481	-0.40	0.24	0.624	0.00	0.12	0.732	
126	ER	780	7412	-0.19	6.62	0.010	-0.75	8.30	0.004	0.01	5.05	0.025	
127	ER	208	1836	-0.31	4.99	0.025	-1.12	5.10	0.024	0.02	2.80	0.095	
128	ER	208	1836	-0.10	0.52	0.470	-1.69	11.18	0.001	0.03	10.80	0.001	NonUniform
129	ER	209	1902	-0.42	9.07	0.003	-1.14	4.99	0.025	0.02	2.15	0.143	Uniform<
130	ER	209	1902	-0.33	5.18	0.023	-1.67	10.78	0.001	0.03	7.58	0.006	NonUniform
131	ER	185	1774	-0.25	2.75	0.097	-0.49	0.90	0.344	0.00	0.23	0.634	
132	ER	185	1774	-0.24	2.33	0.127	-0.77	2.20	0.138	0.01	1.16	0.281	
133	ER	178	1900	-0.13	0.67	0.413	-0.33	0.34	0.563	0.00	0.14	0.713	
134	ER	178	1900	-0.30	3.61	0.057	-0.62	1.18	0.278	0.01	0.34	0.557	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.120: Logistic Regression DIF Results on Stage II Writing Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUUni}$	Wald $\chi^2$	p-value	
84	MC	6868	1324	0.03	0.21	0.645	0.16	0.47	0.492	0.00	0.34	0.558	
85	MC	6868	1324	-0.14	5.12	0.024	0.01	0.00	0.981	0.00	0.41	0.520	
86	MC	1732	312	0.18	1.66	0.197	1.05	2.68	0.101	-0.02	1.91	0.167	
87	MC	1732	312	-0.16	1.34	0.248	0.41	0.64	0.424	-0.01	1.31	0.252	
88	MC	1732	312	-0.01	0.00	0.968	0.59	1.37	0.242	-0.01	1.51	0.219	
89	MC	1732	312	-0.17	1.66	0.198	0.55	1.16	0.281	-0.01	2.11	0.147	
90	MC	1732	312	0.17	1.56	0.212	-0.51	1.02	0.313	0.01	1.92	0.165	
91	MC	1732	312	-0.03	0.05	0.823	0.29	0.28	0.596	-0.01	0.36	0.546	
92	MC	1732	312	0.28	3.65	0.056	-0.45	0.58	0.448	0.01	1.60	0.205	
93	MC	1732	312	0.14	1.02	0.312	0.04	0.01	0.933	0.00	0.04	0.839	
94	MC	1732	312	0.17	1.45	0.229	-0.36	0.37	0.543	0.01	0.85	0.357	
95	MC	1732	312	0.11	0.71	0.399	1.04	3.95	0.047	-0.02	3.39	0.066	
96	MC	1823	288	-0.17	1.69	0.193	-0.57	1.33	0.248	0.01	0.70	0.402	
97	MC	1823	288	-0.19	2.18	0.139	-0.62	1.60	0.206	0.01	0.82	0.364	
98	MC	1823	288	-0.27	3.96	0.047	-0.05	0.01	0.916	0.00	0.19	0.660	
99	MC	1823	288	0.20	2.15	0.142	-0.45	0.71	0.399	0.01	1.58	0.208	
100	MC	1823	288	0.12	0.87	0.351	0.38	0.54	0.463	0.00	0.27	0.607	
101	MC	1823	288	-0.15	0.80	0.370	0.71	0.76	0.384	-0.02	1.17	0.280	
102	MC	1823	288	0.01	0.00	0.952	0.15	0.04	0.832	0.00	0.04	0.839	
103	MC	1823	288	0.03	0.05	0.815	0.39	0.33	0.568	-0.01	0.28	0.594	
104	MC	1823	288	-0.06	0.22	0.641	-0.37	0.43	0.513	0.01	0.31	0.577	
105	MC	1823	288	-0.03	0.05	0.817	0.05	0.01	0.923	0.00	0.03	0.873	
106	MC	1555	404	-0.16	1.80	0.180	-0.62	2.14	0.143	0.01	1.29	0.257	
107	MC	1555	404	0.09	0.58	0.445	0.31	0.48	0.487	0.00	0.26	0.609	
108	MC	1555	404	0.01	0.01	0.908	0.24	0.29	0.592	0.00	0.28	0.600	
109	MC	1555	404	-0.02	0.01	0.907	0.22	0.20	0.657	0.00	0.24	0.623	
110	MC	1555	404	-0.01	0.01	0.915	0.01	0.00	0.979	0.00	0.00	0.955	
111	MC	1555	404	0.22	3.27	0.071	-0.62	1.92	0.165	0.02	3.76	0.052	
112	MC	1555	404	0.09	0.46	0.496	0.20	0.13	0.715	0.00	0.04	0.839	
113	MC	1555	404	-0.16	1.61	0.204	-1.33	7.55	0.006	0.02	6.27	0.012	
114	MC	1555	404	0.38	10.42	0.001	0.94	4.20	0.040	-0.01	1.60	0.206	Uniform>
115	MC	1555	404	-0.09	0.54	0.463	-0.38	0.77	0.379	0.01	0.50	0.479	
116	MC	1758	320	-0.06	0.15	0.699	-0.20	0.11	0.744	0.00	0.06	0.813	
117	MC	1758	320	-0.16	1.56	0.211	-0.48	1.05	0.305	0.01	0.51	0.475	
118	MC	1758	320	-0.09	0.56	0.455	-0.64	2.02	0.155	0.01	1.60	0.206	
119	MC	1758	320	-0.01	0.00	0.949	0.14	0.09	0.770	0.00	0.10	0.748	
120	MC	1758	320	-0.07	0.24	0.626	-0.78	2.26	0.133	0.01	2.03	0.155	
121	MC	1758	320	-0.12	0.84	0.360	0.92	3.30	0.069	-0.02	4.47	0.034	
122	MC	1758	320	-0.22	2.33	0.127	-0.63	1.36	0.244	0.01	0.63	0.429	
123	MC	1758	320	-0.05	0.13	0.721	-0.05	0.01	0.923	0.00	0.00	1.000	
124	MC	1758	320	0.13	0.86	0.354	0.27	0.25	0.615	0.00	0.08	0.780	
125	MC	1758	320	-0.06	0.16	0.685	-1.25	5.61	0.018	0.02	5.42	0.020	
126	ER	6868	1324	0.18	9.11	0.003	0.13	0.37	0.542	0.00	0.06	0.801	Uniform>
127	ER	1732	312	0.55	21.49	0.000	-0.23	0.31	0.577	0.01	3.72	0.054	Uniform>
128	ER	1732	312	0.47	14.82	0.000	-0.02	0.00	0.965	0.01	1.46	0.227	Uniform>
129	ER	1823	288	0.16	1.64	0.200	-0.09	0.04	0.839	0.00	0.33	0.564	
130	ER	1823	288	0.23	3.42	0.064	0.04	0.01	0.929	0.00	0.19	0.666	
131	ER	1555	404	0.15	1.96	0.162	-0.66	2.91	0.088	0.02	4.87	0.027	
132	ER	1555	404	0.42	13.78	0.000	0.21	0.29	0.589	0.00	0.31	0.578	Uniform>
133	ER	1758	320	0.16	1.71	0.191	1.09	6.69	0.010	-0.02	5.30	0.021	
134	ER	1758	320	0.07	0.32	0.572	0.37	0.77	0.380	-0.01	0.55	0.458	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.121: Logistic Regression DIF Results on Stage II Writing Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
84	MC	6868	812	0.11	2.05	0.152	0.06	0.04	0.842	0.00	0.03	0.857	
85	MC	6868	812	-0.08	1.16	0.282	-0.03	0.01	0.921	0.00	0.03	0.853	
86	MC	1732	210	0.21	1.68	0.195	0.46	0.41	0.521	-0.01	0.13	0.722	
87	MC	1732	210	-0.07	0.17	0.679	0.42	0.43	0.510	-0.01	0.63	0.427	
88	MC	1732	210	0.01	0.00	0.965	0.37	0.35	0.552	-0.01	0.37	0.545	
89	MC	1732	210	-0.25	2.69	0.101	0.67	1.14	0.286	-0.02	2.27	0.132	
90	MC	1732	210	0.09	0.30	0.581	-0.64	1.09	0.297	0.01	1.50	0.221	
91	MC	1732	210	-0.04	0.06	0.801	0.40	0.35	0.556	-0.01	0.44	0.506	
92	MC	1732	210	0.38	5.13	0.024	-0.71	1.06	0.303	0.02	2.68	0.102	
93	MC	1732	210	0.17	1.09	0.295	0.07	0.01	0.906	0.00	0.03	0.869	
94	MC	1732	210	0.18	1.16	0.281	-1.01	2.18	0.140	0.02	3.22	0.073	
95	MC	1732	210	0.21	1.87	0.171	1.76	6.51	0.011	-0.03	5.37	0.020	
96	MC	1823	146	-0.11	0.40	0.525	-0.06	0.01	0.931	0.00	0.01	0.930	
97	MC	1823	146	-0.07	0.14	0.704	-0.24	0.13	0.721	0.00	0.07	0.792	
98	MC	1823	146	-0.28	2.38	0.123	-0.30	0.21	0.645	0.00	0.00	0.970	
99	MC	1823	146	0.16	0.77	0.379	0.21	0.08	0.778	0.00	0.00	0.951	
100	MC	1823	146	0.01	0.01	0.934	-0.04	0.00	0.949	0.00	0.01	0.929	
101	MC	1823	146	-0.02	0.01	0.918	0.88	0.67	0.413	-0.02	0.73	0.392	
102	MC	1823	146	-0.09	0.15	0.698	0.17	0.03	0.858	-0.01	0.08	0.784	
103	MC	1823	146	-0.23	1.31	0.252	0.93	0.87	0.352	-0.02	1.41	0.235	
104	MC	1823	146	-0.12	0.43	0.512	0.09	0.01	0.911	0.00	0.08	0.780	
105	MC	1823	146	0.09	0.24	0.625	0.16	0.05	0.823	0.00	0.01	0.920	
106	MC	1555	268	-0.04	0.07	0.787	-0.17	0.10	0.757	0.00	0.06	0.805	
107	MC	1555	268	0.17	1.47	0.226	0.21	0.15	0.700	0.00	0.01	0.937	
108	MC	1555	268	0.14	0.98	0.323	-0.11	0.04	0.844	0.00	0.22	0.641	
109	MC	1555	268	0.11	0.48	0.489	1.31	3.64	0.056	-0.02	3.20	0.074	
110	MC	1555	268	0.03	0.06	0.812	0.56	0.83	0.362	-0.01	0.77	0.379	
111	MC	1555	268	0.13	0.89	0.345	-0.75	1.94	0.164	0.02	2.86	0.091	
112	MC	1555	268	0.11	0.44	0.509	0.76	1.09	0.297	-0.01	0.84	0.360	
113	MC	1555	268	-0.13	0.76	0.384	-1.21	4.07	0.044	0.02	3.46	0.063	
114	MC	1555	268	0.29	4.45	0.035	1.34	5.27	0.022	-0.02	3.43	0.064	
115	MC	1555	268	0.06	0.17	0.680	-0.03	0.00	0.950	0.00	0.03	0.861	
116	MC	1758	188	-0.26	1.89	0.169	-1.11	2.12	0.146	0.02	1.33	0.248	
117	MC	1758	188	-0.17	1.16	0.282	-1.19	3.98	0.046	0.02	3.14	0.076	
118	MC	1758	188	-0.01	0.01	0.941	-0.80	1.82	0.177	0.01	1.90	0.168	
119	MC	1758	188	0.04	0.05	0.826	0.09	0.02	0.880	0.00	0.01	0.922	
120	MC	1758	188	0.15	0.75	0.386	-1.28	3.88	0.049	0.03	5.13	0.024	
121	MC	1758	188	-0.12	0.55	0.459	1.35	3.69	0.055	-0.03	4.55	0.033	
122	MC	1758	188	-0.16	0.84	0.358	-0.70	0.98	0.322	0.01	0.62	0.432	
123	MC	1758	188	0.16	0.80	0.372	0.14	0.04	0.845	0.00	0.00	0.975	
124	MC	1758	188	0.18	1.15	0.284	1.04	1.89	0.169	-0.02	1.36	0.244	
125	MC	1758	188	-0.18	1.05	0.306	-1.03	2.24	0.135	0.01	1.63	0.202	
126	ER	6868	812	0.26	12.73	0.000	0.45	2.78	0.095	0.00	0.51	0.473	Uniform>
127	ER	1732	210	0.62	19.50	0.000	0.13	0.06	0.808	0.01	0.97	0.324	Uniform>
128	ER	1732	210	0.59	17.11	0.000	-0.07	0.02	0.891	0.01	1.75	0.186	Uniform>
129	ER	1823	146	0.23	1.95	0.163	0.24	0.16	0.687	0.00	0.00	0.989	
130	ER	1823	146	0.10	0.34	0.560	0.25	0.17	0.678	0.00	0.07	0.791	
131	ER	1555	268	0.19	2.22	0.136	-0.82	2.90	0.089	0.02	4.88	0.027	
132	ER	1555	268	0.42	9.94	0.002	0.03	0.00	0.950	0.01	0.70	0.403	Uniform>
133	ER	1758	188	0.16	1.07	0.301	1.25	5.09	0.024	-0.02	4.19	0.041	
134	ER	1758	188	0.26	2.78	0.096	0.38	0.47	0.493	0.00	0.05	0.816	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.122: Logistic Regression DIF Results on Stage II Writing Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
84	MC	512	812	0.21	3.33	0.068	-0.24	0.30	0.584	0.01	1.17	0.279	
85	MC	512	812	0.15	1.67	0.196	-0.07	0.03	0.872	0.00	0.28	0.596	
86	MC	102	210	0.06	0.03	0.853	-2.11	2.05	0.152	0.04	2.23	0.135	
87	MC	102	210	0.21	0.59	0.441	0.25	0.06	0.802	0.00	0.00	0.964	
88	MC	102	210	-0.04	0.02	0.894	-0.65	0.40	0.525	0.01	0.39	0.532	
89	MC	102	210	-0.37	1.87	0.172	-0.11	0.01	0.915	0.00	0.07	0.792	
90	MC	102	210	-0.19	0.52	0.469	-0.56	0.32	0.575	0.01	0.15	0.701	
91	MC	102	210	-0.06	0.05	0.830	0.23	0.04	0.834	-0.01	0.08	0.784	
92	MC	102	210	0.39	1.76	0.184	-0.57	0.22	0.640	0.02	0.65	0.419	
93	MC	102	210	0.12	0.18	0.675	0.20	0.04	0.840	0.00	0.01	0.932	
94	MC	102	210	0.07	0.05	0.816	-2.05	2.52	0.112	0.04	2.83	0.092	
95	MC	102	210	0.24	0.83	0.362	1.95	3.79	0.052	-0.03	3.10	0.078	
96	MC	142	146	0.09	0.15	0.699	1.11	1.43	0.232	-0.02	1.29	0.256	
97	MC	142	146	0.23	0.92	0.339	0.78	0.71	0.399	-0.01	0.38	0.538	
98	MC	142	146	-0.01	0.00	0.955	-0.57	0.36	0.548	0.01	0.37	0.544	
99	MC	142	146	-0.11	0.19	0.659	1.46	2.12	0.145	-0.03	2.62	0.106	
100	MC	142	146	-0.21	0.72	0.396	-0.92	0.87	0.352	0.01	0.55	0.457	
101	MC	142	146	0.27	0.66	0.416	0.36	0.05	0.818	0.00	0.00	0.956	
102	MC	142	146	-0.18	0.39	0.531	0.04	0.00	0.974	0.00	0.03	0.860	
103	MC	142	146	-0.53	3.68	0.055	1.01	0.59	0.441	-0.03	1.44	0.229	
104	MC	142	146	-0.13	0.27	0.605	1.01	0.92	0.338	-0.02	1.24	0.265	
105	MC	142	146	0.24	0.98	0.322	0.13	0.02	0.899	0.00	0.02	0.901	
106	MC	136	268	0.32	1.94	0.164	0.95	1.56	0.211	-0.01	0.76	0.382	
107	MC	136	268	0.27	1.41	0.235	-0.47	0.32	0.571	0.01	0.87	0.352	
108	MC	136	268	0.42	3.36	0.067	-1.38	2.53	0.112	0.03	4.60	0.032	
109	MC	136	268	0.39	2.30	0.129	2.23	6.13	0.013	-0.04	4.63	0.031	
110	MC	136	268	0.14	0.37	0.544	1.25	2.22	0.136	-0.02	1.90	0.168	
111	MC	136	268	-0.33	2.02	0.155	-0.18	0.05	0.821	0.00	0.03	0.852	
112	MC	136	268	0.05	0.03	0.854	1.24	1.64	0.200	-0.03	1.64	0.200	
113	MC	136	268	0.01	0.00	0.970	0.30	0.13	0.720	-0.01	0.13	0.717	
114	MC	136	268	-0.25	1.15	0.284	1.13	1.86	0.173	-0.03	2.98	0.084	
115	MC	136	268	0.41	3.27	0.071	0.61	0.62	0.433	0.00	0.07	0.789	
116	MC	132	188	-0.52	3.28	0.070	-2.23	3.66	0.056	0.03	2.31	0.129	
117	MC	132	188	-0.02	0.01	0.919	-1.61	3.26	0.071	0.03	3.43	0.064	
118	MC	132	188	0.21	0.83	0.361	-0.26	0.10	0.753	0.01	0.35	0.552	
119	MC	132	188	0.10	0.18	0.671	-0.06	0.00	0.946	0.00	0.04	0.851	
120	MC	132	188	0.52	4.47	0.034	-1.04	1.17	0.280	0.03	2.81	0.094	
121	MC	132	188	-0.02	0.01	0.928	0.84	0.79	0.375	-0.02	0.90	0.343	
122	MC	132	188	0.15	0.30	0.587	-0.12	0.01	0.907	0.01	0.08	0.783	
123	MC	132	188	0.56	3.95	0.047	0.43	0.19	0.659	0.00	0.02	0.894	
124	MC	132	188	0.14	0.29	0.591	1.57	2.49	0.114	-0.03	2.22	0.137	
125	MC	132	188	-0.23	0.82	0.366	0.37	0.15	0.698	-0.01	0.41	0.519	
126	ER	512	812	0.22	3.75	0.053	0.78	4.08	0.043	-0.01	2.34	0.126	
127	ER	102	210	0.33	1.96	0.162	1.05	1.58	0.208	-0.01	0.81	0.369	
128	ER	102	210	0.47	3.57	0.059	0.71	0.71	0.400	0.00	0.09	0.766	
129	ER	142	146	0.13	0.31	0.576	0.71	0.69	0.406	-0.01	0.51	0.475	
130	ER	142	146	-0.31	1.71	0.191	0.64	0.52	0.471	-0.02	1.25	0.264	
131	ER	136	268	0.06	0.07	0.791	-0.45	0.42	0.519	0.01	0.58	0.447	
132	ER	136	268	0.01	0.00	0.974	-0.42	0.35	0.555	0.01	0.40	0.528	
133	ER	132	188	-0.02	0.01	0.911	0.32	0.17	0.680	-0.01	0.21	0.643	
134	ER	132	188	0.46	4.05	0.044	0.14	0.03	0.861	0.01	0.18	0.667	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.123: Logistic Regression DIF Results on Stage II Writing Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
84	MC	64	812	0.20	0.55	0.459	-2.00	2.23	0.135	0.04	2.81	0.094	
85	MC	64	812	-0.18	0.45	0.501	-0.69	0.32	0.570	0.01	0.18	0.668	
86	MC	8	210	1.55	1.92	0.166	-15.12	0.33	0.568	0.38	0.37	0.543	
87	MC	8	210	1.92	5.19	0.023	2.99	0.69	0.405	-0.02	0.10	0.756	
88	MC	8	210	-0.42	0.25	0.616	-251.09	0.22	0.642	3.78	0.22	0.642	
89	MC	8	210	-0.50	0.41	0.521	-0.15	0.00	0.966	-0.01	0.01	0.917	
90	MC	8	210	-0.16	0.05	0.829	0.93	0.09	0.769	-0.02	0.13	0.723	
91	MC	8	210	-1.06	1.71	0.191	2.15	0.43	0.510	-0.06	0.99	0.319	
92	MC	8	210	1.63	2.16	0.142	-0.31	0.00	0.962	0.04	0.08	0.773	
93	MC	8	210	-0.85	0.61	0.433	-4.42	0.66	0.416	0.06	0.51	0.475	
94	MC	8	210	1.32	2.30	0.129	-5.50	0.41	0.524	0.14	0.57	0.450	
95	MC	8	210	1.02	1.62	0.202	-3.89	0.52	0.473	0.09	0.79	0.374	
96	MC	39	146	-0.04	0.01	0.906	0.80	0.23	0.631	-0.01	0.27	0.604	
97	MC	39	146	0.04	0.01	0.906	1.76	1.18	0.276	-0.03	1.18	0.277	
98	MC	39	146	-0.44	1.19	0.276	-1.13	0.38	0.537	0.01	0.15	0.698	
99	MC	39	146	-0.09	0.06	0.812	3.72	4.71	0.030	-0.07	5.05	0.025	
100	MC	39	146	-0.75	3.74	0.053	-5.81	4.33	0.038	0.08	3.44	0.064	
101	MC	39	146	-0.24	0.22	0.642	-0.21	0.01	0.934	0.00	0.00	0.990	
102	MC	39	146	-0.49	1.14	0.286	-2.64	0.96	0.327	0.04	0.66	0.416	
103	MC	39	146	-0.74	2.83	0.093	-3.53	1.23	0.267	0.05	0.80	0.372	
104	MC	39	146	-0.46	1.42	0.234	2.46	2.06	0.151	-0.05	3.01	0.083	
105	MC	39	146	0.77	4.13	0.042	0.52	0.09	0.770	0.00	0.02	0.884	
106	MC	10	268	0.92	1.65	0.199	3.96	1.01	0.316	-0.07	0.64	0.425	
107	MC	10	268	-0.11	0.03	0.874	11.00	2.28	0.131	-0.28	2.25	0.134	
108	MC	10	268	-0.63	0.60	0.439	2.34	0.28	0.598	-0.07	0.44	0.509	
109	MC	10	268	-0.22	0.10	0.749	-6.22	0.75	0.388	0.14	0.69	0.405	
110	MC	10	268	0.30	0.19	0.662	-0.61	0.02	0.884	0.02	0.05	0.825	
111	MC	10	268	-0.63	0.60	0.440	3.72	0.64	0.425	-0.11	0.83	0.363	
112	MC	10	268	-0.70	0.86	0.353	-128.58	0.09	0.765	2.99	0.09	0.765	
113	MC	10	268	-0.48	0.44	0.509	-6.92	1.09	0.297	0.15	0.96	0.328	
114	MC	10	268	-1.34	1.55	0.214	5.58	0.84	0.358	-0.17	1.13	0.287	
115	MC	10	268	0.06	0.01	0.924	-0.38	0.01	0.920	0.01	0.01	0.905	
116	MC	7	188	0.67	0.35	0.557	8.59	1.23	0.267	-0.14	1.30	0.254	
117	MC	7	188	0.86	1.00	0.316	-138.68	0.12	0.732	2.64	0.12	0.730	
118	MC	7	188	-0.96	1.26	0.261	2.24	0.30	0.585	-0.06	0.61	0.436	
119	MC	7	188	-1.55	1.99	0.159	-4.05	0.27	0.600	0.04	0.11	0.738	
120	MC	7	188	0.54	0.45	0.503	-22.71	0.64	0.423	0.41	0.65	0.420	
121	MC	7	188	1.10	0.96	0.328	8.79	1.29	0.256	-0.13	1.21	0.271	
122	MC	7	188	13.60	0.00	0.977	13.82	0.00	0.980	-0.06	0.00	0.995	
123	MC	7	188	0.97	0.74	0.390	-51.59	0.02	0.888	1.19	0.02	0.882	
124	MC	7	188	-0.10	0.02	0.901	5.20	1.74	0.187	-0.09	1.93	0.164	
125	MC	7	188	0.73	0.82	0.367	-3.74	0.43	0.514	0.08	0.62	0.430	
126	ER	64	812	0.89	11.25	0.001	0.27	0.06	0.806	0.01	0.36	0.551	Uniform>
127	ER	8	210	0.31	0.20	0.656	0.53	0.03	0.858	0.00	0.01	0.937	
128	ER	8	210	-0.18	0.06	0.802	-0.19	0.00	0.949	0.00	0.00	0.998	
129	ER	39	146	0.60	2.91	0.088	1.03	0.43	0.510	-0.01	0.08	0.780	
130	ER	39	146	0.31	0.76	0.384	1.54	0.90	0.343	-0.02	0.60	0.439	
131	ER	10	268	-1.05	2.63	0.105	-8.82	4.24	0.039	0.18	3.39	0.066	
132	ER	10	268	-0.67	1.06	0.303	-0.38	0.01	0.915	-0.01	0.01	0.935	
133	ER	7	188	-0.44	0.34	0.560	6.41	2.60	0.107	-0.12	3.09	0.079	
134	ER	7	188	0.50	0.42	0.518	-0.49	0.02	0.892	0.02	0.08	0.777	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.124: Logistic Regression DIF Results on Stage II Writing Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
84	MC	8192	2037	0.00	0.00	0.955	0.49	6.50	0.011	-0.01	6.95	0.008	NonUniform
85	MC	8192	2037	-0.03	0.34	0.563	0.04	0.06	0.814	0.00	0.17	0.680	
86	MC	2044	557	0.23	3.87	0.049	-0.13	0.08	0.777	0.01	0.67	0.412	
87	MC	2044	557	-0.19	3.35	0.067	0.48	1.48	0.224	-0.01	3.17	0.075	NonUniform
88	MC	2044	557	-0.25	5.91	0.015	0.71	3.41	0.065	-0.02	6.80	0.009	
89	MC	2044	557	-0.20	3.80	0.051	0.42	1.19	0.275	-0.01	2.79	0.095	
90	MC	2044	557	0.05	0.18	0.668	0.62	2.09	0.148	-0.01	1.91	0.167	NonUniform
91	MC	2044	557	0.23	4.34	0.037	0.40	0.89	0.346	0.00	0.17	0.676	
92	MC	2044	557	0.11	0.80	0.370	0.31	0.38	0.540	0.00	0.17	0.682	
93	MC	2044	557	-0.23	4.71	0.030	0.93	6.47	0.011	-0.02	11.13	0.001	NonUniform
94	MC	2044	557	0.16	1.92	0.166	0.12	0.06	0.803	0.00	0.01	0.934	
95	MC	2044	557	0.01	0.01	0.912	1.21	8.68	0.003	-0.02	9.17	0.002	
96	MC	2111	470	0.01	0.00	0.958	1.15	8.39	0.004	-0.02	9.12	0.003	NonUniform
97	MC	2111	470	0.04	0.12	0.734	-0.02	0.00	0.956	0.00	0.03	0.873	
98	MC	2111	470	0.03	0.05	0.821	0.84	4.63	0.031	-0.01	4.84	0.028	
99	MC	2111	470	0.31	7.42	0.006	0.27	0.42	0.517	0.00	0.01	0.913	Uniform>
100	MC	2111	470	-0.18	2.92	0.087	0.11	0.08	0.781	-0.01	0.63	0.429	
101	MC	2111	470	0.12	0.77	0.379	-0.77	2.09	0.148	0.02	3.05	0.081	
102	MC	2111	470	0.13	0.98	0.322	0.24	0.19	0.665	0.00	0.04	0.837	NonUniform
103	MC	2111	470	0.03	0.07	0.786	0.46	0.71	0.401	-0.01	0.64	0.424	
104	MC	2111	470	-0.05	0.15	0.695	0.56	1.44	0.230	-0.01	1.79	0.181	
105	MC	2111	470	0.01	0.01	0.943	0.80	3.75	0.053	-0.01	3.97	0.046	Uniform>
106	MC	1959	507	0.29	6.84	0.009	0.49	1.66	0.198	0.00	0.32	0.570	
107	MC	1959	507	-0.04	0.17	0.681	1.00	5.80	0.016	-0.02	6.82	0.009	
108	MC	1959	507	-0.07	0.41	0.523	1.09	6.48	0.011	-0.02	7.90	0.005	NonUniform
109	MC	1959	507	0.02	0.03	0.862	0.42	0.78	0.376	-0.01	0.75	0.385	
110	MC	1959	507	0.03	0.06	0.814	0.51	1.30	0.255	-0.01	1.24	0.265	
111	MC	1959	507	-0.02	0.03	0.874	0.14	0.12	0.732	0.00	0.16	0.689	NonUniform
112	MC	1959	507	0.28	4.41	0.036	1.64	7.72	0.005	-0.03	5.57	0.018	
113	MC	1959	507	0.13	1.13	0.287	0.47	0.92	0.338	-0.01	0.52	0.473	
114	MC	1959	507	-0.13	1.37	0.243	0.46	1.30	0.255	-0.01	2.29	0.130	NonUniform
115	MC	1959	507	-0.02	0.02	0.882	0.81	3.71	0.054	-0.01	4.15	0.042	
116	MC	2078	503	-0.16	1.28	0.259	0.93	2.26	0.133	-0.02	3.25	0.071	
117	MC	2078	503	-0.07	0.44	0.509	-0.11	0.08	0.773	0.00	0.01	0.909	NonUniform
118	MC	2078	503	0.03	0.06	0.812	0.68	2.90	0.089	-0.01	2.89	0.089	
119	MC	2078	503	0.11	1.03	0.310	0.41	1.03	0.310	0.00	0.60	0.439	
120	MC	2078	503	0.09	0.70	0.403	-0.51	1.35	0.245	0.01	2.03	0.154	NonUniform
121	MC	2078	503	0.06	0.31	0.575	0.12	0.09	0.762	0.00	0.02	0.880	
122	MC	2078	503	-0.15	1.31	0.253	-0.33	0.48	0.490	0.00	0.16	0.688	
123	MC	2078	503	-0.19	2.09	0.148	0.21	0.19	0.659	-0.01	0.75	0.385	NonUniform
124	MC	2078	503	-0.22	3.20	0.074	0.48	0.92	0.337	-0.01	2.07	0.150	
125	MC	2078	503	-0.26	5.07	0.024	0.89	2.98	0.084	-0.02	5.22	0.022	
126	ER	8192	2037	0.37	55.69	0.000	-0.06	0.15	0.700	0.01	7.65	0.006	NonUniform
127	ER	2044	557	0.33	12.37	0.000	0.20	0.38	0.537	0.00	0.19	0.661	
128	ER	2044	557	0.41	17.92	0.000	-0.03	0.01	0.920	0.01	2.10	0.147	
129	ER	2111	470	0.05	0.25	0.616	-0.36	1.16	0.281	0.01	1.69	0.194	NonUniform
130	ER	2111	470	0.24	5.50	0.019	0.12	0.12	0.734	0.00	0.15	0.696	
131	ER	1959	507	0.35	12.34	0.000	0.55	2.73	0.098	0.00	0.41	0.524	
132	ER	1959	507	0.56	29.80	0.000	0.95	8.02	0.005	-0.01	1.51	0.219	NonUniform
133	ER	2078	503	0.30	8.94	0.003	0.67	3.81	0.051	-0.01	1.29	0.256	
134	ER	2078	503	0.45	19.70	0.000	0.12	0.12	0.733	0.01	1.03	0.310	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.125: Logistic Regression DIF Results on Stage II Writing Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
84	MC	215	8192	0.42	5.84	0.016	-1.83	2.60	0.107	0.03	3.96	0.047	
85	MC	215	8192	0.31	3.94	0.047	-2.20	4.04	0.045	0.03	5.33	0.021	
86	MC	55	2044	-0.06	0.01	0.919	0.38	0.01	0.911	-0.01	0.02	0.896	
87	MC	55	2044	0.73	5.82	0.016	-3.42	1.75	0.186	0.05	2.60	0.107	
88	MC	55	2044	0.71	5.63	0.018	-2.00	0.71	0.398	0.03	1.33	0.249	
89	MC	55	2044	0.31	0.94	0.333	-2.35	0.87	0.352	0.03	1.12	0.290	
90	MC	55	2044	0.16	0.15	0.696	0.04	0.00	0.989	0.00	0.00	0.965	
91	MC	55	2044	0.76	1.99	0.159	-2.54	0.50	0.477	0.04	0.84	0.360	
92	MC	55	2044	0.44	0.34	0.562	-4.34	0.77	0.379	0.07	0.89	0.347	
93	MC	55	2044	0.38	1.45	0.229	0.79	0.12	0.727	0.00	0.03	0.854	
94	MC	55	2044	0.57	1.08	0.299	-3.05	0.62	0.432	0.05	0.86	0.353	
95	MC	55	2044	-0.01	0.00	0.961	-0.81	0.12	0.726	0.01	0.12	0.729	
96	MC	57	2111	0.40	2.10	0.147	-6.36	7.00	0.008	0.09	8.01	0.005	
97	MC	57	2111	0.15	0.26	0.607	0.96	0.32	0.571	-0.01	0.24	0.625	
98	MC	57	2111	-0.09	0.09	0.769	-1.80	0.86	0.353	0.02	0.81	0.367	
99	MC	57	2111	-0.06	0.05	0.830	-0.30	0.03	0.870	0.00	0.02	0.895	
100	MC	57	2111	0.24	0.64	0.423	-2.61	1.59	0.207	0.04	1.91	0.167	
101	MC	57	2111	13.55	0.00	0.977	17.05	0.00	0.981	-0.09	0.00	0.992	
102	MC	57	2111	1.72	2.78	0.095	-59.37	0.02	0.897	1.22	0.02	0.891	
103	MC	57	2111	1.17	4.58	0.032	-2.86	0.49	0.485	0.06	0.95	0.329	
104	MC	57	2111	0.65	3.58	0.059	-2.47	0.92	0.337	0.04	1.47	0.225	
105	MC	57	2111	-0.16	0.30	0.582	-1.55	0.68	0.409	0.02	0.56	0.452	
106	MC	48	1959	0.24	0.35	0.557	-1.56	0.45	0.503	0.02	0.61	0.436	
107	MC	48	1959	0.77	3.61	0.057	-3.77	1.75	0.185	0.06	2.58	0.108	
108	MC	48	1959	0.41	1.24	0.265	-1.89	0.62	0.431	0.03	0.94	0.334	
109	MC	48	1959	0.80	1.14	0.287	-0.80	0.07	0.798	0.02	0.26	0.609	
110	MC	48	1959	0.59	1.38	0.240	-11.44	2.54	0.111	0.17	2.86	0.091	
111	MC	48	1959	0.07	0.04	0.840	-6.68	3.27	0.071	0.08	3.38	0.066	
112	MC	48	1959	0.45	0.33	0.566	-8.26	1.05	0.305	0.16	0.91	0.340	
113	MC	48	1959	0.80	1.56	0.212	-1.60	0.29	0.593	0.04	0.64	0.422	
114	MC	48	1959	0.86	3.55	0.059	-4.19	1.94	0.163	0.07	2.84	0.092	
115	MC	48	1959	0.52	1.43	0.231	-1.96	0.62	0.430	0.03	1.01	0.316	
116	MC	55	2078	13.18	0.00	0.977	15.94	0.00	0.977	-0.08	0.00	0.990	
117	MC	55	2078	0.52	1.99	0.159	2.36	0.76	0.382	-0.02	0.48	0.487	
118	MC	55	2078	0.27	0.66	0.417	-9.12	6.75	0.009	0.11	7.00	0.008	
119	MC	55	2078	0.47	2.10	0.148	-0.26	0.01	0.915	0.01	0.09	0.761	
120	MC	55	2078	-0.25	0.48	0.487	1.51	0.36	0.549	-0.02	0.50	0.479	
121	MC	55	2078	0.98	3.40	0.065	5.17	1.40	0.237	-0.05	0.99	0.320	
122	MC	55	2078	1.48	2.09	0.148	-2.22	0.09	0.759	0.05	0.25	0.619	
123	MC	55	2078	1.50	2.18	0.140	7.96	0.81	0.370	-0.08	0.59	0.441	
124	MC	55	2078	0.80	1.72	0.190	-3.07	0.46	0.496	0.05	0.71	0.400	
125	MC	55	2078	1.26	7.75	0.005	4.35	1.74	0.187	-0.04	0.93	0.334	
126	ER	215	8192	0.02	0.03	0.862	2.91	10.22	0.001	-0.04	10.32	0.001	
127	ER	55	2044	-0.18	0.41	0.521	-1.38	0.44	0.507	0.01	0.34	0.557	
128	ER	55	2044	-0.12	0.18	0.668	-0.29	0.02	0.889	0.00	0.01	0.934	
129	ER	57	2111	0.41	2.29	0.130	-2.09	1.60	0.206	0.03	2.40	0.121	
130	ER	57	2111	0.31	1.32	0.250	1.17	0.50	0.481	-0.01	0.28	0.598	Uniform> NonUniform
131	ER	48	1959	-0.06	0.04	0.851	2.44	1.67	0.196	-0.03	1.83	0.176	
132	ER	48	1959	-0.24	0.61	0.436	0.04	0.00	0.983	0.00	0.02	0.887	
133	ER	55	2078	0.32	1.38	0.240	2.28	1.20	0.273	-0.02	0.89	0.344	
134	ER	55	2078	0.26	0.87	0.352	4.31	4.19	0.041	-0.05	3.83	0.050	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.126: Logistic Regression DIF Results on Stage II Writing Items for the FRL/Non-FRL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
84	MC	9003	1204	-0.09	1.73	0.188	0.06	0.06	0.801	0.00	0.40	0.525	
85	MC	9003	1204	-0.14	4.80	0.028	-0.03	0.02	0.882	0.00	0.22	0.641	
86	MC	2252	344	-0.31	4.38	0.036	-1.00	3.33	0.068	0.01	1.74	0.188	
87	MC	2252	344	-0.18	1.95	0.163	0.59	1.56	0.212	-0.01	2.86	0.091	
88	MC	2252	344	-0.15	1.40	0.237	0.35	0.59	0.444	-0.01	1.29	0.256	
89	MC	2252	344	-0.16	1.68	0.195	0.34	0.55	0.458	-0.01	1.27	0.259	
90	MC	2252	344	0.07	0.32	0.573	0.73	1.93	0.165	-0.01	1.66	0.198	
91	MC	2252	344	-0.08	0.39	0.533	0.89	2.62	0.105	-0.02	3.29	0.070	
92	MC	2252	344	0.18	1.55	0.213	1.67	5.29	0.021	-0.03	4.32	0.038	
93	MC	2252	344	-0.13	1.05	0.306	0.78	3.14	0.076	-0.01	4.76	0.029	
94	MC	2252	344	-0.02	0.02	0.882	0.56	0.81	0.368	-0.01	0.92	0.338	
95	MC	2252	344	-0.14	1.28	0.258	0.36	0.59	0.444	-0.01	1.22	0.269	
96	MC	2281	294	-0.07	0.32	0.570	0.24	0.28	0.595	-0.01	0.53	0.465	
97	MC	2281	294	0.05	0.15	0.700	-0.51	1.43	0.232	0.01	1.89	0.170	
98	MC	2281	294	-0.23	3.00	0.083	0.04	0.01	0.929	0.00	0.41	0.519	
99	MC	2281	294	0.03	0.04	0.844	-0.18	0.14	0.706	0.00	0.20	0.651	
100	MC	2281	294	-0.01	0.00	0.961	0.81	2.86	0.091	-0.01	3.12	0.077	
101	MC	2281	294	0.10	0.34	0.557	-0.36	0.33	0.568	0.01	0.56	0.454	
102	MC	2281	294	-0.08	0.26	0.608	-0.57	0.86	0.354	0.01	0.68	0.409	
103	MC	2281	294	0.10	0.43	0.514	1.17	2.74	0.098	-0.02	2.41	0.121	
104	MC	2281	294	-0.10	0.48	0.487	0.66	1.33	0.249	-0.01	1.85	0.174	
105	MC	2281	294	0.05	0.17	0.679	1.41	7.12	0.008	-0.02	7.06	0.008	NonUniform
106	MC	2187	275	-0.04	0.09	0.767	0.23	0.20	0.657	0.00	0.29	0.589	
107	MC	2187	275	-0.02	0.02	0.897	0.08	0.02	0.884	0.00	0.03	0.853	
108	MC	2187	275	-0.08	0.33	0.563	0.15	0.07	0.788	0.00	0.18	0.669	
109	MC	2187	275	-0.17	1.11	0.293	0.14	0.05	0.832	-0.01	0.25	0.620	
110	MC	2187	275	0.03	0.04	0.850	0.72	1.36	0.243	-0.01	1.33	0.248	
111	MC	2187	275	0.03	0.03	0.853	0.93	2.55	0.110	-0.02	2.57	0.109	
112	MC	2187	275	-0.02	0.01	0.904	0.55	0.56	0.454	-0.01	0.63	0.427	
113	MC	2187	275	0.07	0.23	0.628	1.05	2.21	0.137	-0.02	2.00	0.157	
114	MC	2187	275	0.15	1.14	0.286	0.44	0.65	0.418	-0.01	0.31	0.576	
115	MC	2187	275	0.30	4.71	0.030	1.50	6.16	0.013	-0.02	4.17	0.041	
116	MC	2283	291	-0.32	3.11	0.078	-1.09	2.41	0.121	0.01	1.31	0.252	
117	MC	2283	291	-0.25	3.57	0.059	-0.27	0.27	0.603	0.00	0.00	0.964	
118	MC	2283	291	-0.19	2.17	0.141	0.94	2.90	0.089	-0.02	4.44	0.035	
119	MC	2283	291	0.02	0.02	0.893	0.23	0.19	0.661	0.00	0.18	0.675	
120	MC	2283	291	0.26	3.63	0.057	-0.03	0.00	0.955	0.00	0.27	0.602	
121	MC	2283	291	-0.01	0.01	0.923	-0.27	0.27	0.606	0.00	0.26	0.611	
122	MC	2283	291	0.13	0.75	0.386	0.54	0.68	0.410	-0.01	0.41	0.522	
123	MC	2283	291	-0.27	2.57	0.109	0.20	0.09	0.760	-0.01	0.54	0.464	
124	MC	2283	291	0.12	0.63	0.428	-0.25	0.17	0.680	0.01	0.39	0.532	
125	MC	2283	291	-0.08	0.32	0.569	0.66	0.98	0.323	-0.01	1.29	0.257	
126	ER	9003	1204	0.20	10.57	0.001	-0.39	3.47	0.062	0.01	8.73	0.003	NonUniform
127	ER	2252	344	0.33	8.60	0.003	0.08	0.04	0.840	0.00	0.48	0.487	Uniform>
128	ER	2252	344	0.49	18.07	0.000	0.49	1.66	0.197	0.00	0.00	0.992	Uniform>
129	ER	2281	294	0.33	7.41	0.007	0.12	0.10	0.754	0.00	0.31	0.576	Uniform>
130	ER	2281	294	0.52	17.96	0.000	0.23	0.36	0.551	0.01	0.60	0.437	Uniform>
131	ER	2187	275	-0.04	0.09	0.766	-0.01	0.00	0.981	0.00	0.00	0.952	
132	ER	2187	275	0.16	1.52	0.217	-0.27	0.37	0.544	0.01	1.00	0.317	
133	ER	2283	291	0.22	3.13	0.077	0.31	0.47	0.495	0.00	0.04	0.835	
134	ER	2283	291	0.25	4.08	0.043	-0.07	0.03	0.874	0.01	0.55	0.457	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.127: Logistic Regression DIF Results on Stage II Listening Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
135	MC	3802	4390	0.10	1.82	0.177	0.16	0.38	0.538	0.00	0.07	0.797	
136	MC	944	1100	-0.14	1.74	0.187	0.66	2.76	0.097	-0.02	4.33	0.038	
137	MC	944	1100	-0.10	0.97	0.324	0.16	0.15	0.703	0.00	0.42	0.517	
138	MC	944	1100	-0.19	3.66	0.056	0.33	0.72	0.395	-0.01	1.88	0.170	
139	MC	944	1100	-0.06	0.46	0.500	-0.13	0.13	0.719	0.00	0.04	0.844	
140	MC	944	1100	-0.04	0.17	0.684	0.24	0.43	0.514	-0.01	0.61	0.437	
141	MC	944	1100	0.03	0.01	0.908	-0.81	0.80	0.371	0.02	0.90	0.342	
142	MC	3802	4390	0.09	3.81	0.051	-0.33	3.15	0.076	0.01	5.59	0.018	
143	MC	944	1100	-0.34	5.43	0.020	0.41	0.51	0.477	-0.02	1.83	0.177	
144	MC	944	1100	0.02	0.01	0.937	0.29	0.12	0.725	-0.01	0.12	0.731	
145	MC	944	1100	-0.08	0.33	0.565	0.13	0.06	0.804	0.00	0.16	0.688	
146	MC	944	1100	0.13	1.64	0.200	-0.50	1.56	0.211	0.01	2.67	0.102	
147	MC	944	1100	0.11	1.31	0.253	-0.20	0.31	0.578	0.01	0.78	0.377	
148	MC	944	1100	0.10	1.21	0.272	0.23	0.40	0.525	0.00	0.13	0.716	
149	MC	944	1100	-0.06	0.27	0.605	-0.17	0.13	0.724	0.00	0.06	0.814	
150	MC	966	1145	0.10	1.14	0.286	-0.46	1.69	0.194	0.01	2.68	0.102	
151	MC	966	1145	0.11	1.08	0.299	0.32	0.54	0.462	0.00	0.24	0.624	
152	MC	966	1145	-0.10	1.28	0.258	0.54	2.52	0.112	-0.01	3.82	0.050	
153	MC	966	1145	0.00	0.00	0.976	0.59	2.61	0.106	-0.01	2.76	0.097	
154	MC	966	1145	-0.07	0.66	0.417	0.05	0.02	0.875	0.00	0.15	0.700	
155	MC	966	1145	0.15	1.84	0.176	0.20	0.24	0.625	0.00	0.02	0.898	
156	MC	966	1145	0.19	0.94	0.332	-0.18	0.05	0.819	0.01	0.24	0.624	
157	MC	966	1145	0.17	1.27	0.260	-1.27	3.93	0.048	0.03	5.31	0.021	
158	MC	966	1145	0.00	0.00	0.990	0.44	0.79	0.374	-0.01	0.84	0.359	
159	MC	966	1145	0.05	0.26	0.613	0.29	0.51	0.477	0.00	0.36	0.546	
160	MC	966	1145	0.09	0.44	0.508	-0.64	1.36	0.244	0.02	1.89	0.169	
161	MC	966	1145	-0.03	0.05	0.829	0.56	0.84	0.358	-0.01	1.01	0.316	
162	MC	966	1145	0.12	0.59	0.443	-0.63	1.09	0.296	0.02	1.62	0.203	
163	MC	903	1056	0.13	0.79	0.373	0.55	1.20	0.274	-0.01	0.78	0.377	
164	MC	903	1056	-0.02	0.05	0.822	-0.28	0.40	0.525	0.00	0.36	0.549	
165	MC	903	1056	-0.05	0.22	0.641	0.42	1.12	0.289	-0.01	1.49	0.223	
166	MC	903	1056	0.11	1.31	0.253	0.35	0.99	0.321	0.00	0.51	0.474	
167	MC	903	1056	0.20	0.79	0.373	-0.35	0.17	0.680	0.01	0.46	0.499	
168	MC	903	1056	-0.03	0.09	0.765	-0.66	2.29	0.131	0.01	2.20	0.138	
169	MC	903	1056	0.22	3.20	0.074	-0.31	0.42	0.517	0.01	1.34	0.248	
170	MC	903	1056	-0.08	0.49	0.482	-0.14	0.09	0.758	0.00	0.02	0.891	
171	MC	903	1056	0.21	3.40	0.065	-0.30	0.47	0.495	0.01	1.44	0.230	
172	MC	903	1056	-0.05	0.34	0.559	-0.17	0.23	0.628	0.00	0.12	0.733	
173	MC	903	1056	-0.16	2.89	0.089	-0.78	4.72	0.030	0.01	3.20	0.074	
174	MC	903	1056	-0.16	1.76	0.185	0.40	0.71	0.398	-0.01	1.52	0.218	
175	MC	903	1056	-0.01	0.01	0.943	0.52	0.96	0.327	-0.01	1.07	0.301	
176	MC	989	1089	0.00	0.00	0.995	0.29	0.42	0.519	-0.01	0.45	0.504	
177	MC	989	1089	-0.08	0.80	0.371	0.06	0.03	0.867	0.00	0.17	0.683	
178	MC	989	1089	-0.01	0.01	0.938	-0.17	0.24	0.622	0.00	0.24	0.624	
179	MC	989	1089	0.04	0.22	0.642	0.42	1.46	0.227	-0.01	1.26	0.261	
180	MC	989	1089	0.49	7.19	0.007	0.22	0.10	0.748	0.01	0.16	0.686	Uniform>
181	MC	989	1089	0.04	0.11	0.740	-0.30	0.53	0.468	0.01	0.72	0.396	
182	MC	989	1089	0.15	2.39	0.122	-0.27	0.54	0.463	0.01	1.40	0.237	
183	MC	989	1089	-0.03	0.07	0.787	0.87	4.78	0.029	-0.02	5.46	0.019	
184	MC	989	1089	0.12	1.02	0.313	0.36	0.74	0.390	0.00	0.37	0.544	
185	MC	989	1089	-0.07	0.45	0.503	0.31	0.58	0.447	-0.01	0.91	0.341	
186	MC	989	1089	0.21	1.81	0.179	1.29	5.19	0.023	-0.02	3.96	0.047	
187	MC	989	1089	0.35	7.39	0.007	0.51	1.06	0.303	0.00	0.11	0.741	Uniform>
188	MC	989	1089	0.20	1.48	0.224	-0.03	0.00	0.957	0.01	0.15	0.695	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group. Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.128: Logistic Regression DIF Results on Stage II Listening Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
135	MC	7240	952	0.13	1.35	0.246	0.40	0.99	0.319	-0.01	0.48	0.487	
136	MC	1821	223	0.01	0.01	0.940	0.33	0.27	0.603	-0.01	0.27	0.605	
137	MC	1821	223	-0.10	0.38	0.536	0.45	0.46	0.496	-0.01	0.75	0.387	
138	MC	1821	223	0.00	0.00	0.987	-0.16	0.07	0.788	0.00	0.08	0.777	
139	MC	1821	223	0.03	0.05	0.825	0.30	0.28	0.600	0.00	0.23	0.628	
140	MC	1821	223	-0.01	0.01	0.933	0.65	1.14	0.286	-0.01	1.26	0.261	
141	MC	1821	223	-0.32	0.51	0.475	2.96	1.67	0.196	-0.08	1.96	0.162	
142	MC	7240	952	0.09	1.32	0.250	0.30	1.10	0.294	0.00	0.60	0.440	
143	MC	1821	223	-0.03	0.02	0.894	1.81	2.42	0.120	-0.04	2.50	0.114	
144	MC	1821	223	0.09	0.06	0.807	1.27	0.67	0.412	-0.03	0.59	0.442	
145	MC	1821	223	-0.57	4.84	0.028	-0.37	0.12	0.728	0.00	0.04	0.844	
146	MC	1821	223	0.17	1.03	0.310	0.24	0.16	0.694	0.00	0.02	0.898	
147	MC	1821	223	-0.17	1.16	0.281	-0.52	0.82	0.366	0.01	0.41	0.523	
148	MC	1821	223	-0.26	2.66	0.103	-0.12	0.04	0.838	0.00	0.06	0.811	
149	MC	1821	223	0.02	0.01	0.906	-0.51	0.44	0.507	0.01	0.52	0.470	
150	MC	1842	269	-0.09	0.36	0.551	-0.49	0.79	0.373	0.01	0.58	0.445	
151	MC	1842	269	-0.12	0.60	0.440	-0.35	0.32	0.572	0.00	0.15	0.701	
152	MC	1842	269	0.21	2.36	0.124	0.64	1.44	0.231	-0.01	0.70	0.403	
153	MC	1842	269	0.11	0.55	0.457	0.89	2.26	0.133	-0.01	1.89	0.169	
154	MC	1842	269	-0.19	2.11	0.147	0.40	0.60	0.437	-0.01	1.41	0.235	
155	MC	1842	269	0.21	1.83	0.177	0.28	0.23	0.633	0.00	0.01	0.904	
156	MC	1842	269	-0.33	0.89	0.346	-0.24	0.03	0.855	0.00	0.00	0.946	
157	MC	1842	269	0.38	2.76	0.097	0.03	0.00	0.969	0.01	0.16	0.690	
158	MC	1842	269	0.13	0.43	0.513	0.24	0.10	0.751	0.00	0.02	0.879	
159	MC	1842	269	0.37	6.08	0.014	-0.22	0.13	0.715	0.01	1.06	0.302	
160	MC	1842	269	0.11	0.24	0.625	0.57	0.45	0.503	-0.01	0.32	0.575	
161	MC	1842	269	0.40	3.28	0.070	0.69	0.57	0.452	-0.01	0.10	0.747	
162	MC	1842	269	0.18	0.58	0.445	-0.59	0.45	0.502	0.02	0.84	0.359	
163	MC	1731	228	0.12	0.35	0.555	0.43	0.35	0.552	-0.01	0.19	0.661	
164	MC	1731	228	-0.07	0.16	0.693	0.37	0.31	0.579	-0.01	0.47	0.494	
165	MC	1731	228	-0.22	2.08	0.149	-0.53	0.90	0.342	0.01	0.33	0.564	
166	MC	1731	228	-0.15	1.14	0.287	-0.08	0.03	0.873	0.00	0.02	0.888	
167	MC	1731	228	0.29	0.85	0.356	-0.61	0.32	0.569	0.02	0.80	0.371	
168	MC	1731	228	-0.07	0.15	0.698	0.19	0.08	0.772	-0.01	0.17	0.683	
169	MC	1731	228	-0.07	0.14	0.707	0.64	0.78	0.377	-0.02	1.02	0.313	
170	MC	1731	228	-0.18	0.92	0.337	-1.13	3.11	0.078	0.02	2.47	0.116	
171	MC	1731	228	0.17	0.93	0.335	0.09	0.02	0.887	0.00	0.02	0.897	
172	MC	1731	228	-0.24	2.72	0.099	0.10	0.03	0.854	-0.01	0.45	0.504	
173	MC	1731	228	-0.06	0.20	0.659	1.11	3.85	0.050	-0.02	4.61	0.032	
174	MC	1731	228	-0.17	0.75	0.388	0.80	1.05	0.305	-0.02	1.61	0.204	
175	MC	1731	228	0.05	0.06	0.801	0.80	0.94	0.332	-0.02	0.86	0.353	
176	MC	1846	232	-0.05	0.08	0.783	-0.27	0.17	0.682	0.00	0.12	0.730	
177	MC	1846	232	0.00	0.00	0.993	-0.51	0.84	0.359	0.01	0.89	0.345	
178	MC	1846	232	-0.25	3.05	0.081	-0.75	2.21	0.137	0.01	1.08	0.299	
179	MC	1846	232	-0.12	0.69	0.407	-0.40	0.58	0.447	0.00	0.31	0.580	
180	MC	1846	232	0.27	1.06	0.303	0.14	0.02	0.881	0.00	0.03	0.874	
181	MC	1846	232	0.19	1.18	0.278	-1.05	3.20	0.074	0.02	5.03	0.025	
182	MC	1846	232	-0.16	1.07	0.301	-0.95	3.12	0.077	0.01	2.39	0.122	
183	MC	1846	232	0.24	2.26	0.133	-0.03	0.00	0.960	0.01	0.24	0.623	
184	MC	1846	232	-0.03	0.03	0.872	-0.15	0.06	0.805	0.00	0.04	0.834	
185	MC	1846	232	-0.22	2.13	0.144	-0.44	0.53	0.467	0.00	0.14	0.711	
186	MC	1846	232	0.22	0.86	0.354	0.72	0.84	0.359	-0.01	0.44	0.506	
187	MC	1846	232	0.10	0.25	0.615	-1.32	3.91	0.048	0.03	5.21	0.022	
188	MC	1846	232	-0.26	0.86	0.353	0.32	0.11	0.741	-0.01	0.38	0.536	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group. Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.129: Logistic Regression DIF Results on Stage II Listening Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
135	MC	416	7776	0.18	1.05	0.306	0.20	0.10	0.757	0.00	0.00	0.975	
136	MC	61	1983	-0.62	4.95	0.026	-2.21	2.50	0.114	0.03	1.33	0.250	
137	MC	61	1983	-0.19	0.36	0.547	-2.73	2.39	0.122	0.04	2.22	0.137	
138	MC	61	1983	-0.69	4.83	0.028	-5.15	5.82	0.016	0.07	4.67	0.031	
139	MC	61	1983	-0.37	1.89	0.170	-0.71	0.29	0.590	0.01	0.07	0.793	
140	MC	61	1983	-0.29	1.13	0.288	0.44	0.12	0.725	-0.01	0.35	0.553	
141	MC	61	1983	-0.31	0.16	0.687	-0.87	0.07	0.791	0.01	0.03	0.861	
142	MC	416	7776	-0.24	5.08	0.024	0.07	0.03	0.856	-0.01	0.66	0.417	
143	MC	61	1983	-1.56	22.05	0.000	-0.74	0.23	0.631	-0.02	0.30	0.587	Uniform<
144	MC	61	1983	-1.46	9.41	0.002	1.06	0.27	0.601	-0.05	1.76	0.185	Uniform<
145	MC	61	1983	-0.41	1.10	0.294	-1.90	0.81	0.368	0.03	0.51	0.477	
146	MC	61	1983	0.05	0.03	0.874	-1.61	1.04	0.308	0.03	1.12	0.290	
147	MC	61	1983	-0.44	2.78	0.095	1.30	1.15	0.284	-0.03	2.20	0.138	
148	MC	61	1983	-0.54	4.12	0.042	0.45	0.14	0.710	-0.02	0.71	0.398	
149	MC	61	1983	-0.05	0.02	0.886	0.87	0.26	0.611	-0.02	0.31	0.577	
150	MC	112	1999	0.22	1.03	0.310	-3.07	7.59	0.006	0.07	8.57	0.003	NonUniform
151	MC	112	1999	0.27	1.33	0.248	-0.51	0.28	0.597	0.01	0.70	0.403	
152	MC	112	1999	0.02	0.01	0.936	-0.33	0.18	0.669	0.01	0.22	0.642	
153	MC	112	1999	0.43	4.48	0.034	-1.15	1.67	0.196	0.03	3.34	0.068	
154	MC	112	1999	0.21	1.17	0.279	-1.94	4.83	0.028	0.04	6.21	0.013	
155	MC	112	1999	0.05	0.04	0.841	-0.01	0.00	0.994	0.00	0.00	0.950	
156	MC	112	1999	-0.10	0.06	0.802	-0.22	0.02	0.894	0.00	0.01	0.941	
157	MC	112	1999	0.34	0.91	0.340	-3.94	2.50	0.114	0.11	2.91	0.088	
158	MC	112	1999	0.65	3.75	0.053	2.13	2.95	0.086	-0.03	1.66	0.197	
159	MC	112	1999	0.25	1.23	0.268	-0.10	0.01	0.920	0.01	0.13	0.715	
160	MC	112	1999	0.23	0.51	0.474	0.38	0.09	0.763	0.00	0.02	0.899	
161	MC	112	1999	-0.04	0.02	0.900	-1.68	1.03	0.310	0.04	1.00	0.318	
162	MC	112	1999	0.49	1.72	0.190	-1.25	0.52	0.469	0.04	1.03	0.311	
163	MC	96	1863	-0.06	0.03	0.852	-1.49	1.51	0.220	0.03	1.39	0.239	
164	MC	96	1863	-0.70	4.89	0.027	-2.01	2.10	0.148	0.02	0.99	0.320	
165	MC	96	1863	0.19	0.68	0.410	-0.63	0.48	0.489	0.02	0.87	0.351	
166	MC	96	1863	-0.14	0.42	0.518	0.96	1.55	0.213	-0.02	2.19	0.139	
167	MC	96	1863	1.74	2.91	0.088	3.52	0.88	0.348	-0.04	0.28	0.599	
168	MC	96	1863	0.01	0.00	0.983	0.14	0.02	0.888	0.00	0.02	0.888	
169	MC	96	1863	0.44	2.03	0.154	0.57	0.24	0.624	0.00	0.01	0.907	
170	MC	96	1863	0.02	0.01	0.933	0.95	0.99	0.319	-0.02	1.05	0.306	
171	MC	96	1863	0.56	3.84	0.050	0.48	0.19	0.662	0.00	0.01	0.938	
172	MC	96	1863	-0.04	0.03	0.854	-1.24	2.15	0.142	0.02	2.15	0.143	
173	MC	96	1863	0.27	1.54	0.215	0.57	0.51	0.476	-0.01	0.15	0.697	
174	MC	96	1863	0.29	0.94	0.333	0.31	0.07	0.789	0.00	0.00	0.985	
175	MC	96	1863	0.00	0.00	0.998	-1.95	1.70	0.192	0.05	1.69	0.193	
176	MC	147	1931	0.28	1.22	0.270	0.98	1.33	0.249	-0.01	0.78	0.377	
177	MC	147	1931	-0.19	0.98	0.322	1.26	3.62	0.057	-0.02	5.00	0.025	
178	MC	147	1931	0.44	6.40	0.011	0.47	0.58	0.447	0.00	0.00	0.957	
179	MC	147	1931	0.26	2.12	0.145	1.21	3.89	0.048	-0.02	2.64	0.104	
180	MC	147	1931	0.04	0.02	0.893	-2.79	2.74	0.098	0.07	2.72	0.099	
181	MC	147	1931	-0.34	2.88	0.090	0.76	1.21	0.271	-0.02	2.88	0.090	
182	MC	147	1931	0.11	0.33	0.566	1.74	7.33	0.007	-0.03	7.31	0.007	NonUniform
183	MC	147	1931	-0.09	0.21	0.644	0.28	0.15	0.694	-0.01	0.30	0.584	
184	MC	147	1931	0.39	2.51	0.113	0.67	0.64	0.425	-0.01	0.13	0.722	
185	MC	147	1931	0.06	0.10	0.755	-0.84	1.09	0.296	0.02	1.35	0.245	
186	MC	147	1931	-0.14	0.24	0.627	-0.70	0.45	0.502	0.01	0.30	0.581	
187	MC	147	1931	-0.05	0.05	0.822	-0.68	0.51	0.476	0.01	0.45	0.502	
188	MC	147	1931	0.43	1.50	0.221	-0.48	0.11	0.737	0.02	0.42	0.519	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.130: Logistic Regression DIF Results on Stage II Listening Items for the Special Education/Non-Special Education Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
135	MC	780	7412	-0.18	2.79	0.095	-0.58	2.15	0.142	0.01	1.08	0.298	
136	MC	208	1836	0.24	1.83	0.176	0.43	0.49	0.483	0.00	0.10	0.746	
137	MC	208	1836	-0.28	2.04	0.153	-1.37	3.11	0.078	0.02	2.19	0.139	
138	MC	208	1836	0.25	2.53	0.112	-1.00	2.43	0.119	0.02	4.13	0.042	
139	MC	208	1836	0.05	0.11	0.741	-0.17	0.09	0.762	0.00	0.17	0.684	
140	MC	208	1836	-0.03	0.04	0.839	-0.81	1.72	0.190	0.02	1.70	0.192	
141	MC	208	1836	-0.26	0.75	0.386	0.24	0.05	0.817	-0.01	0.25	0.617	
142	MC	780	7412	-0.10	1.46	0.227	-0.06	0.04	0.842	0.00	0.02	0.892	
143	MC	208	1836	0.20	0.71	0.400	-1.76	3.52	0.061	0.05	4.35	0.037	
144	MC	208	1836	-0.23	0.61	0.436	-0.50	0.23	0.631	0.01	0.07	0.788	
145	MC	208	1836	-0.11	0.34	0.562	0.35	0.24	0.621	-0.01	0.47	0.495	
146	MC	208	1836	-0.08	0.22	0.638	-0.52	0.80	0.370	0.01	0.63	0.427	
147	MC	208	1836	-0.22	2.05	0.152	-0.07	0.02	0.900	0.00	0.09	0.767	
148	MC	208	1836	-0.10	0.40	0.525	0.24	0.19	0.659	-0.01	0.42	0.514	
149	MC	208	1836	-0.54	9.90	0.002	0.66	1.17	0.279	-0.03	4.22	0.040	Uniform<
150	MC	209	1902	-0.41	7.47	0.006	-0.12	0.05	0.821	-0.01	0.31	0.578	Uniform<
151	MC	209	1902	0.25	1.89	0.169	-0.41	0.35	0.554	0.01	0.99	0.319	
152	MC	209	1902	-0.06	0.14	0.707	0.16	0.08	0.771	0.00	0.17	0.679	
153	MC	209	1902	-0.15	0.77	0.381	-0.34	0.31	0.581	0.00	0.11	0.745	
154	MC	209	1902	-0.08	0.28	0.599	-0.96	2.90	0.089	0.02	2.64	0.104	
155	MC	209	1902	0.22	1.35	0.245	0.38	0.33	0.566	0.00	0.07	0.794	
156	MC	209	1902	-0.46	3.36	0.067	0.62	0.39	0.531	-0.03	1.30	0.254	
157	MC	209	1902	-0.25	1.43	0.231	0.55	0.42	0.517	-0.02	0.97	0.325	
158	MC	209	1902	-0.05	0.08	0.782	-0.18	0.05	0.819	0.00	0.03	0.869	
159	MC	209	1902	-0.12	0.53	0.467	-0.02	0.00	0.980	0.00	0.03	0.869	
160	MC	209	1902	-0.10	0.25	0.619	0.70	0.81	0.369	-0.02	1.16	0.281	
161	MC	209	1902	-0.17	0.67	0.415	-1.84	3.02	0.082	0.04	2.52	0.113	
162	MC	209	1902	-0.43	4.42	0.036	-0.67	0.58	0.445	0.01	0.08	0.779	
163	MC	185	1774	-0.12	0.31	0.578	-1.86	5.18	0.023	0.04	4.52	0.033	
164	MC	185	1774	0.05	0.06	0.807	0.07	0.01	0.923	0.00	0.00	0.977	
165	MC	185	1774	-0.15	0.68	0.411	0.14	0.05	0.828	-0.01	0.22	0.639	
166	MC	185	1774	-0.53	10.36	0.001	-0.74	1.62	0.203	0.00	0.15	0.696	Uniform<
167	MC	185	1774	-0.49	2.84	0.092	-0.12	0.01	0.908	-0.01	0.14	0.711	
168	MC	185	1774	-0.12	0.47	0.493	-0.02	0.00	0.978	0.00	0.03	0.869	
169	MC	185	1774	-0.31	2.75	0.097	-0.17	0.06	0.805	0.00	0.05	0.826	
170	MC	185	1774	-0.30	2.87	0.090	-0.01	0.00	0.986	-0.01	0.20	0.656	
171	MC	185	1774	-0.22	1.54	0.215	0.40	0.40	0.525	-0.01	1.07	0.300	
172	MC	185	1774	0.11	0.47	0.494	-0.19	0.11	0.735	0.01	0.31	0.579	
173	MC	185	1774	0.04	0.07	0.797	0.63	1.32	0.251	-0.01	1.26	0.261	
174	MC	185	1774	-0.09	0.20	0.657	0.61	0.80	0.370	-0.02	1.16	0.282	
175	MC	185	1774	-0.28	1.96	0.162	-0.60	0.57	0.451	0.01	0.17	0.678	
176	MC	178	1900	-0.50	7.34	0.007	-1.29	3.18	0.074	0.02	1.26	0.262	Uniform<
177	MC	178	1900	-0.12	0.44	0.505	0.22	0.11	0.746	-0.01	0.26	0.610	
178	MC	178	1900	-0.37	4.70	0.030	-0.02	0.00	0.974	-0.01	0.31	0.579	
179	MC	178	1900	-0.21	1.67	0.196	-0.17	0.07	0.795	0.00	0.01	0.940	
180	MC	178	1900	-0.63	6.65	0.010	-1.85	3.24	0.072	0.03	1.46	0.226	Uniform<
181	MC	178	1900	-0.28	2.40	0.121	-0.25	0.14	0.709	0.00	0.00	0.964	
182	MC	178	1900	-0.23	1.94	0.164	-0.72	1.20	0.274	0.01	0.59	0.442	
183	MC	178	1900	-0.04	0.06	0.800	-0.21	0.10	0.756	0.00	0.06	0.800	
184	MC	178	1900	-0.36	3.89	0.048	-0.46	0.45	0.502	0.00	0.02	0.880	
185	MC	178	1900	-0.35	3.33	0.068	0.05	0.00	0.948	-0.01	0.28	0.599	
186	MC	178	1900	0.17	0.38	0.538	-0.64	0.42	0.519	0.02	0.68	0.408	
187	MC	178	1900	-0.25	1.51	0.220	-0.05	0.00	0.953	0.00	0.07	0.787	
188	MC	178	1900	-0.57	5.89	0.015	0.65	0.59	0.442	-0.03	2.31	0.128	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group. Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.131: Logistic Regression DIF Results on Stage II Listening Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
135	MC	6868	1324	0.07	0.49	0.4818	0.16	0.21	0.6451	0.00	0.08	0.7840	Uniform<
136	MC	1732	312	0.03	0.04	0.8418	0.78	2.13	0.1440	-0.01	2.09	0.1482	
137	MC	1732	312	-0.05	0.10	0.7481	0.12	0.05	0.8234	0.00	0.10	0.7497	
138	MC	1732	312	-0.23	3.01	0.0829	-0.36	0.53	0.4684	0.00	0.07	0.7852	
139	MC	1732	312	-0.08	0.39	0.5298	-0.08	0.03	0.8712	0.00	0.00	0.9952	
140	MC	1732	312	-0.36	7.69	0.0056	0.28	0.31	0.5805	-0.01	1.67	0.1963	
141	MC	1732	312	-0.51	1.96	0.1616	2.14	1.32	0.2499	-0.07	1.96	0.1610	
142	MC	6868	1324	0.05	0.71	0.3993	0.29	1.40	0.2365	0.00	0.99	0.3204	
143	MC	1732	312	0.03	0.02	0.8927	0.57	0.46	0.4986	-0.01	0.43	0.5104	
144	MC	1732	312	-0.10	0.10	0.7494	1.82	1.64	0.2008	-0.05	1.80	0.1801	
145	MC	1732	312	-0.08	0.20	0.6523	0.01	0.00	0.9885	0.00	0.02	0.8989	
146	MC	1732	312	0.12	0.71	0.3993	0.49	0.87	0.3519	-0.01	0.53	0.4657	
147	MC	1732	312	-0.24	3.07	0.0799	0.06	0.02	0.9008	-0.01	0.39	0.5317	
148	MC	1732	312	-0.09	0.44	0.5082	0.45	0.81	0.3689	-0.01	1.23	0.2676	
149	MC	1732	312	0.18	1.31	0.2528	-0.12	0.04	0.8446	0.01	0.25	0.6166	
150	MC	1823	288	0.05	0.14	0.7034	-0.97	3.63	0.0567	0.02	4.42	0.0354	NonUniform
151	MC	1823	288	-0.08	0.27	0.6043	0.45	0.51	0.4765	-0.01	0.75	0.3854	
152	MC	1823	288	-0.02	0.02	0.8797	0.29	0.35	0.5567	-0.01	0.42	0.5153	
153	MC	1823	288	-0.04	0.09	0.7604	1.54	6.97	0.0083	-0.03	7.93	0.0049	
154	MC	1823	288	-0.06	0.25	0.6161	0.79	2.42	0.1195	-0.02	3.04	0.0813	
155	MC	1823	288	-0.03	0.03	0.8574	-0.21	0.12	0.7275	0.00	0.10	0.7546	
156	MC	1823	288	-0.23	0.50	0.4802	-0.30	0.06	0.8121	0.00	0.00	0.9523	
157	MC	1823	288	0.51	5.73	0.0167	-0.67	0.66	0.4157	0.03	2.24	0.1345	
158	MC	1823	288	-0.39	3.25	0.0714	0.03	0.00	0.9675	-0.01	0.26	0.6086	
159	MC	1823	288	0.06	0.15	0.6960	-0.24	0.17	0.6833	0.01	0.28	0.5998	
160	MC	1823	288	0.14	0.45	0.5039	0.29	0.13	0.7236	0.00	0.04	0.8477	
161	MC	1823	288	0.15	0.43	0.5108	0.52	0.29	0.5876	-0.01	0.16	0.6913	
162	MC	1823	288	0.37	3.05	0.0806	-0.68	0.70	0.4022	0.02	1.84	0.1749	
163	MC	1555	404	-0.27	2.19	0.1393	-0.01	0.00	0.9890	-0.01	0.19	0.6614	
164	MC	1555	404	0.15	1.12	0.2892	0.41	0.59	0.4416	0.00	0.26	0.6074	NonUniform
165	MC	1555	404	0.04	0.08	0.7766	-0.05	0.01	0.9105	0.00	0.04	0.8455	
166	MC	1555	404	-0.16	1.96	0.1613	-0.83	4.16	0.0414	0.01	2.95	0.0861	
167	MC	1555	404	0.17	0.42	0.5179	-0.55	0.37	0.5423	0.02	0.71	0.4005	
168	MC	1555	404	-0.09	0.44	0.5068	-0.30	0.34	0.5603	0.00	0.17	0.6765	
169	MC	1555	404	-0.17	1.26	0.2622	-0.38	0.48	0.4907	0.00	0.15	0.6965	
170	MC	1555	404	0.03	0.06	0.8086	-1.76	12.47	0.0004	0.04	14.37	0.0002	
171	MC	1555	404	0.04	0.09	0.7703	-0.49	0.98	0.3233	0.01	1.25	0.2633	
172	MC	1555	404	-0.13	1.34	0.2470	0.60	2.04	0.1531	-0.01	3.27	0.0705	
173	MC	1555	404	0.19	2.67	0.1023	1.07	5.99	0.0144	-0.02	4.38	0.0364	
174	MC	1555	404	-0.18	1.28	0.2571	0.70	1.36	0.2432	-0.02	2.24	0.1343	
175	MC	1555	404	-0.23	1.86	0.1728	-0.42	0.45	0.5023	0.00	0.10	0.7536	
176	MC	1758	320	-0.12	0.46	0.4990	-0.23	0.15	0.7031	0.00	0.04	0.8456	
177	MC	1758	320	0.14	1.16	0.2805	-0.24	0.22	0.6376	0.01	0.61	0.4343	NonUniform
178	MC	1758	320	-0.10	0.59	0.4428	0.42	0.82	0.3648	-0.01	1.33	0.2480	
179	MC	1758	320	-0.24	3.80	0.0512	-0.34	0.57	0.4514	0.00	0.05	0.8176	
180	MC	1758	320	0.25	1.19	0.2746	-0.16	0.04	0.8393	0.01	0.28	0.5948	
181	MC	1758	320	-0.06	0.17	0.6803	-1.70	9.95	0.0016	0.03	10.60	0.0011	
182	MC	1758	320	-0.05	0.15	0.7000	-0.43	0.80	0.3716	0.01	0.67	0.4119	
183	MC	1758	320	0.00	0.00	0.9956	-0.44	0.72	0.3961	0.01	0.78	0.3759	
184	MC	1758	320	0.06	0.14	0.7090	0.61	1.19	0.2749	-0.01	1.04	0.3075	
185	MC	1758	320	0.05	0.15	0.6945	-0.29	0.28	0.5974	0.01	0.42	0.5176	
186	MC	1758	320	0.15	0.52	0.4728	-0.25	0.13	0.7207	0.01	0.36	0.5491	
187	MC	1758	320	0.00	0.00	0.9857	-1.47	5.93	0.0149	0.03	6.71	0.0096	
188	MC	1758	320	0.11	0.27	0.6021	-0.21	0.07	0.7866	0.01	0.19	0.6614	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group. Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.132: Logistic Regression DIF Results on Stage II Listening Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
135	MC	6868	812	-0.04	0.13	0.722	0.43	0.83	0.362	-0.01	1.06	0.303	
136	MC	1732	210	0.18	1.26	0.261	0.98	2.30	0.130	-0.02	1.58	0.208	
137	MC	1732	210	-0.12	0.49	0.484	-0.36	0.31	0.581	0.00	0.15	0.702	
138	MC	1732	210	-0.18	1.25	0.263	-0.23	0.14	0.711	0.00	0.01	0.932	
139	MC	1732	210	-0.07	0.20	0.655	-0.83	2.17	0.141	0.01	1.96	0.161	
140	MC	1732	210	-0.31	4.18	0.041	0.13	0.04	0.834	-0.01	0.54	0.462	
141	MC	1732	210	-0.44	1.17	0.279	0.63	0.10	0.753	-0.03	0.29	0.592	
142	MC	6868	812	0.01	0.03	0.867	0.18	0.35	0.555	0.00	0.32	0.572	
143	MC	1732	210	-0.01	0.00	0.961	-0.29	0.09	0.763	0.01	0.09	0.764	
144	MC	1732	210	-0.05	0.02	0.898	0.84	0.28	0.595	-0.02	0.32	0.573	
145	MC	1732	210	0.03	0.02	0.875	0.52	0.32	0.573	-0.01	0.29	0.590	
146	MC	1732	210	0.16	1.02	0.311	0.46	0.52	0.472	-0.01	0.23	0.635	
147	MC	1732	210	-0.19	1.52	0.218	0.13	0.05	0.829	-0.01	0.31	0.579	
148	MC	1732	210	0.01	0.01	0.941	1.14	3.18	0.074	-0.02	3.25	0.071	
149	MC	1732	210	0.25	1.96	0.161	-0.38	0.27	0.605	0.01	0.80	0.370	
150	MC	1823	146	0.11	0.34	0.560	-0.27	0.16	0.693	0.01	0.34	0.561	
151	MC	1823	146	-0.27	1.92	0.166	-0.48	0.40	0.525	0.00	0.08	0.777	
152	MC	1823	146	-0.24	1.87	0.171	0.24	0.13	0.714	-0.01	0.58	0.445	
153	MC	1823	146	-0.19	1.05	0.306	1.40	3.38	0.066	-0.03	4.69	0.030	
154	MC	1823	146	-0.07	0.14	0.709	1.35	3.79	0.052	-0.02	4.47	0.035	
155	MC	1823	146	-0.22	0.90	0.343	-0.18	0.05	0.827	0.00	0.00	0.959	
156	MC	1823	146	-0.09	0.05	0.831	-0.79	0.27	0.604	0.02	0.24	0.627	
157	MC	1823	146	0.50	2.92	0.088	-0.51	0.22	0.637	0.02	0.96	0.326	
158	MC	1823	146	-0.94	6.86	0.009	0.41	0.09	0.769	-0.03	0.93	0.334	Uniform<
159	MC	1823	146	-0.09	0.19	0.665	-0.73	0.92	0.339	0.01	0.77	0.380	
160	MC	1823	146	0.01	0.00	0.959	-0.42	0.16	0.690	0.01	0.19	0.665	
161	MC	1823	146	-0.06	0.03	0.857	2.58	2.43	0.119	-0.07	2.49	0.115	
162	MC	1823	146	0.28	0.86	0.354	-2.09	4.31	0.038	0.05	6.65	0.010	NonUniform
163	MC	1555	268	-0.46	3.75	0.053	-0.26	0.09	0.761	0.00	0.06	0.811	
164	MC	1555	268	0.16	0.91	0.340	0.16	0.06	0.800	0.00	0.00	0.990	
165	MC	1555	268	0.06	0.17	0.681	0.25	0.19	0.664	0.00	0.12	0.731	
166	MC	1555	268	-0.18	1.70	0.192	-1.25	6.20	0.013	0.02	4.95	0.026	
167	MC	1555	268	0.05	0.02	0.882	-0.71	0.31	0.579	0.02	0.39	0.530	
168	MC	1555	268	-0.07	0.18	0.670	-0.02	0.00	0.971	0.00	0.01	0.941	
169	MC	1555	268	-0.10	0.28	0.596	-0.47	0.45	0.500	0.01	0.31	0.578	
170	MC	1555	268	0.17	1.01	0.315	-1.10	2.92	0.087	0.03	4.26	0.039	
171	MC	1555	268	0.00	0.00	0.999	-0.38	0.36	0.549	0.01	0.39	0.533	
172	MC	1555	268	-0.20	2.20	0.138	0.64	1.43	0.231	-0.02	2.65	0.103	
173	MC	1555	268	0.15	1.25	0.264	1.23	5.04	0.025	-0.02	4.12	0.042	
174	MC	1555	268	-0.11	0.31	0.575	0.67	0.76	0.385	-0.02	1.06	0.304	
175	MC	1555	268	-0.20	0.91	0.341	-0.51	0.40	0.529	0.01	0.16	0.688	
176	MC	1758	188	-0.35	2.31	0.129	-0.53	0.39	0.534	0.00	0.05	0.825	
177	MC	1758	188	0.26	2.36	0.124	-0.89	1.91	0.167	0.02	3.35	0.067	
178	MC	1758	188	-0.09	0.32	0.571	0.51	0.70	0.404	-0.01	1.03	0.310	
179	MC	1758	188	-0.39	6.26	0.012	-0.90	2.31	0.128	0.01	0.79	0.374	
180	MC	1758	188	0.13	0.19	0.661	-0.28	0.06	0.809	0.01	0.14	0.712	
181	MC	1758	188	-0.14	0.47	0.494	-2.18	8.90	0.003	0.04	9.12	0.003	NonUniform
182	MC	1758	188	-0.05	0.09	0.763	-0.19	0.09	0.766	0.00	0.05	0.820	
183	MC	1758	188	-0.18	0.96	0.327	-1.26	3.44	0.064	0.02	2.80	0.094	
184	MC	1758	188	0.07	0.13	0.714	1.42	3.20	0.074	-0.03	2.95	0.086	
185	MC	1758	188	0.38	4.28	0.039	-0.25	0.11	0.737	0.01	0.77	0.382	
186	MC	1758	188	-0.26	0.78	0.378	-1.74	2.64	0.104	0.03	2.23	0.135	
187	MC	1758	188	-0.30	1.55	0.213	-1.19	1.75	0.185	0.02	1.09	0.296	
188	MC	1758	188	0.16	0.34	0.562	-0.21	0.04	0.840	0.01	0.13	0.714	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.133: Logistic Regression DIF Results on Stage II Listening Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
135	MC	512	812	-0.27	2.30	0.129	0.52	0.67	0.412	-0.02	1.71	0.191	
136	MC	102	210	0.51	2.64	0.104	1.02	0.87	0.352	-0.01	0.24	0.626	
137	MC	102	210	-0.26	0.77	0.380	-1.81	2.30	0.129	0.02	1.85	0.174	
138	MC	102	210	0.17	0.46	0.498	0.51	0.30	0.583	-0.01	0.14	0.707	
139	MC	102	210	0.03	0.02	0.892	-2.16	4.68	0.030	0.04	5.23	0.022	
140	MC	102	210	0.10	0.13	0.721	-0.34	0.11	0.741	0.01	0.19	0.660	
141	MC	102	210	0.44	0.22	0.635	-84.10	0.81	0.369	2.71	0.80	0.370	
142	MC	512	812	-0.11	0.75	0.386	-0.26	0.32	0.571	0.00	0.12	0.733	
143	MC	102	210	-0.17	0.16	0.687	-3.07	2.51	0.113	0.07	2.26	0.133	
144	MC	102	210	0.25	0.12	0.730	-4.31	1.18	0.276	0.12	1.29	0.257	
145	MC	102	210	0.49	1.33	0.249	1.85	1.46	0.227	-0.03	0.88	0.347	
146	MC	102	210	0.13	0.20	0.656	0.03	0.00	0.979	0.00	0.01	0.919	
147	MC	102	210	0.11	0.15	0.694	0.29	0.09	0.765	0.00	0.04	0.846	
148	MC	102	210	0.31	1.18	0.277	2.08	4.29	0.038	-0.03	3.44	0.064	
149	MC	102	210	0.28	0.71	0.398	-0.67	0.26	0.614	0.02	0.54	0.461	
150	MC	142	146	0.07	0.08	0.775	1.58	2.69	0.101	-0.03	2.64	0.104	
151	MC	142	146	-0.39	1.89	0.169	-2.25	3.34	0.068	0.03	2.43	0.119	
152	MC	142	146	-0.45	3.37	0.066	0.03	0.00	0.977	-0.01	0.27	0.602	
153	MC	142	146	-0.26	0.96	0.328	-0.23	0.04	0.837	0.00	0.00	0.978	
154	MC	142	146	0.02	0.01	0.924	1.21	1.60	0.206	-0.02	1.65	0.199	
155	MC	142	146	-0.37	1.51	0.219	0.12	0.01	0.913	-0.01	0.21	0.650	
156	MC	142	146	0.31	0.24	0.621	-1.34	0.28	0.597	0.04	0.44	0.506	
157	MC	142	146	-0.01	0.00	0.975	0.35	0.05	0.817	-0.01	0.06	0.805	
158	MC	142	146	-0.99	4.98	0.026	0.28	0.03	0.872	-0.03	0.56	0.455	
159	MC	142	146	-0.28	1.05	0.305	-1.06	0.91	0.341	0.02	0.52	0.472	
160	MC	142	146	-0.24	0.37	0.541	-1.61	1.06	0.303	0.03	0.82	0.364	
161	MC	142	146	-0.41	0.93	0.335	3.22	2.63	0.105	-0.09	3.35	0.067	
162	MC	142	146	-0.15	0.16	0.687	-3.64	4.94	0.026	0.08	4.68	0.030	
163	MC	136	268	-0.45	1.76	0.185	-0.29	0.07	0.791	0.00	0.02	0.881	
164	MC	136	268	0.06	0.04	0.839	-0.75	0.54	0.461	0.01	0.68	0.409	
165	MC	136	268	0.07	0.08	0.782	0.76	0.83	0.363	-0.01	0.75	0.387	
166	MC	136	268	-0.11	0.25	0.616	-1.05	1.99	0.158	0.02	1.74	0.187	
167	MC	136	268	-0.35	0.58	0.448	-0.09	0.00	0.955	-0.01	0.03	0.860	
168	MC	136	268	0.04	0.02	0.884	0.61	0.46	0.499	-0.01	0.44	0.507	
169	MC	136	268	0.19	0.41	0.522	-0.39	0.15	0.696	0.01	0.36	0.547	
170	MC	136	268	0.19	0.57	0.451	1.44	2.90	0.088	-0.03	2.43	0.119	
171	MC	136	268	-0.16	0.40	0.527	0.32	0.14	0.710	-0.01	0.34	0.558	
172	MC	136	268	-0.15	0.45	0.502	0.17	0.05	0.828	-0.01	0.19	0.666	
173	MC	136	268	-0.04	0.03	0.873	0.44	0.31	0.577	-0.01	0.40	0.529	
174	MC	136	268	0.31	1.02	0.314	-0.41	0.13	0.719	0.02	0.43	0.514	
175	MC	136	268	0.07	0.05	0.832	-0.27	0.06	0.810	0.01	0.10	0.754	
176	MC	132	188	-0.53	2.77	0.096	-0.66	0.37	0.545	0.00	0.02	0.900	
177	MC	132	188	0.29	1.41	0.235	-1.31	1.93	0.164	0.03	3.11	0.078	
178	MC	132	188	0.00	0.00	0.995	0.19	0.05	0.823	0.00	0.05	0.815	
179	MC	132	188	-0.37	2.46	0.117	-1.37	2.51	0.113	0.02	1.46	0.227	
180	MC	132	188	-0.30	0.52	0.471	-0.18	0.02	0.900	0.00	0.01	0.934	
181	MC	132	188	-0.14	0.25	0.615	-0.99	1.02	0.312	0.02	0.82	0.366	
182	MC	132	188	0.01	0.00	0.966	0.48	0.30	0.582	-0.01	0.32	0.575	
183	MC	132	188	-0.42	2.54	0.111	-1.80	3.57	0.059	0.03	2.28	0.131	
184	MC	132	188	0.04	0.02	0.902	1.53	2.19	0.139	-0.03	2.27	0.131	
185	MC	132	188	0.74	8.43	0.004	0.29	0.09	0.768	0.01	0.22	0.642	Uniform>
186	MC	132	188	-0.85	5.07	0.024	-2.55	3.82	0.051	0.03	1.89	0.169	
187	MC	132	188	-0.63	4.06	0.044	0.29	0.07	0.795	-0.02	0.75	0.386	
188	MC	132	188	0.09	0.05	0.825	-0.02	0.00	0.989	0.00	0.01	0.935	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group. Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.134: Logistic Regression DIF Results on Stage II Listening Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUUni}$	Wald $\chi^2$	p-value	
135	MC	64	812	-0.14	0.11	0.740	2.27	1.74	0.188	-0.05	2.30	0.129	
136	MC	8	210	0.90	0.68	0.409	-17.87	0.45	0.500	0.42	0.46	0.499	
137	MC	8	210	-0.97	0.80	0.372	-4.05	0.43	0.512	0.05	0.28	0.597	
138	MC	8	210	-0.03	0.00	0.973	-1.88	0.25	0.616	0.03	0.26	0.610	
139	MC	8	210	0.65	0.76	0.382	-7.34	1.62	0.203	0.15	1.77	0.184	
140	MC	8	210	1.84	2.80	0.094	-287.67	0.68	0.408	6.94	0.69	0.407	
141	MC	8	210	10.03	0.00	0.980	13.67	0.00	0.977	-0.13	0.00	0.987	
142	MC	64	812	-0.63	5.38	0.020	1.12	1.06	0.304	-0.03	2.74	0.098	
143	MC	8	210	11.85	0.00	0.977	12.12	0.00	0.978	-0.06	0.00	0.994	
144	MC	8	210	11.33	0.00	0.984	12.65	0.00	0.975	-0.10	0.00	0.988	
145	MC	8	210	12.82	0.00	0.981	14.59	0.00	0.980	-0.09	0.00	0.993	
146	MC	8	210	0.99	0.83	0.363	-304.12	0.64	0.422	7.31	0.64	0.423	
147	MC	8	210	-2.88	6.94	0.008	-4.44	0.67	0.414	0.03	0.09	0.763	Uniform<
148	MC	8	210	0.31	0.13	0.715	0.97	0.07	0.795	-0.01	0.03	0.856	
149	MC	8	210	0.71	0.40	0.525	-16.80	0.40	0.526	0.40	0.41	0.524	
150	MC	39	146	-0.35	0.90	0.342	1.45	0.77	0.379	-0.03	1.28	0.259	
151	MC	39	146	-0.05	0.02	0.898	-1.37	0.45	0.501	0.02	0.44	0.506	
152	MC	39	146	-1.13	7.35	0.007	-0.52	0.08	0.783	-0.01	0.11	0.739	Uniform<
153	MC	39	146	-0.55	1.75	0.185	-2.81	1.29	0.257	0.04	0.87	0.351	
154	MC	39	146	0.09	0.06	0.810	0.66	0.15	0.697	-0.01	0.12	0.730	
155	MC	39	146	-0.16	0.11	0.738	-1.34	0.40	0.529	0.02	0.32	0.574	
156	MC	39	146	-0.46	0.28	0.597	-1.13	0.09	0.765	0.01	0.03	0.857	
157	MC	39	146	-0.12	0.03	0.853	-4.01	1.39	0.239	0.08	1.27	0.261	
158	MC	39	146	-1.45	5.33	0.021	0.31	0.01	0.904	-0.04	0.51	0.476	
159	MC	39	146	-0.89	4.84	0.028	-3.51	2.46	0.117	0.05	1.43	0.232	
160	MC	39	146	0.14	0.04	0.835	-4.40	1.38	0.240	0.10	1.37	0.242	
161	MC	39	146	-0.71	1.06	0.303	5.27	3.26	0.071	-0.13	4.61	0.032	
162	MC	39	146	-0.08	0.02	0.898	-3.73	1.63	0.202	0.07	1.50	0.220	
163	MC	10	268	-1.16	2.43	0.119	-0.97	0.06	0.805	0.00	0.00	0.962	
164	MC	10	268	-0.46	0.18	0.672	-0.75	0.02	0.900	0.01	0.00	0.960	
165	MC	10	268	-0.07	0.01	0.936	1.97	0.20	0.654	-0.05	0.21	0.644	
166	MC	10	268	-0.50	0.57	0.451	-1.55	0.18	0.675	0.03	0.08	0.773	
167	MC	10	268	-0.27	0.06	0.807	4.29	0.51	0.477	-0.11	0.66	0.415	
168	MC	10	268	-0.97	1.98	0.159	1.93	0.29	0.593	-0.07	0.65	0.419	
169	MC	10	268	-0.16	0.05	0.828	-11.20	1.27	0.260	0.28	1.23	0.267	
170	MC	10	268	-1.26	3.00	0.083	-133.18	0.08	0.771	3.09	0.08	0.772	
171	MC	10	268	0.20	0.08	0.779	18.09	2.50	0.114	-0.42	2.47	0.116	
172	MC	10	268	-2.10	3.84	0.050	3.94	0.42	0.516	-0.15	0.88	0.347	
173	MC	10	268	-0.34	0.23	0.634	1.48	0.15	0.700	-0.04	0.23	0.633	
174	MC	10	268	-0.44	0.39	0.532	-181.44	0.20	0.655	4.52	0.20	0.656	
175	MC	10	268	-0.30	0.17	0.682	-13.57	1.25	0.263	0.34	1.19	0.275	
176	MC	7	188	-0.20	0.03	0.858	78.21	0.03	0.864	-1.12	0.03	0.859	
177	MC	7	188	0.52	0.45	0.503	4.55	1.19	0.275	-0.07	0.96	0.327	
178	MC	7	188	1.12	1.69	0.193	-138.23	0.11	0.735	2.64	0.12	0.732	
179	MC	7	188	0.09	0.01	0.905	-5.89	1.05	0.305	0.10	1.11	0.291	
180	MC	7	188	-1.04	0.74	0.391	-54.12	0.02	0.900	1.21	0.02	0.898	
181	MC	7	188	0.34	0.10	0.754	-57.20	0.02	0.896	1.29	0.02	0.892	
182	MC	7	188	13.65	0.00	0.978	12.66	0.00	0.982	-0.04	0.00	0.997	
183	MC	7	188	0.61	0.31	0.578	-54.16	0.02	0.892	1.23	0.02	0.887	
184	MC	7	188	-0.73	0.63	0.428	-149.85	0.08	0.783	2.83	0.08	0.783	
185	MC	7	188	0.11	0.02	0.902	-1.59	0.09	0.766	0.03	0.11	0.745	
186	MC	7	188	12.06	0.00	0.983	9.43	0.00	0.981	-0.02	0.00	0.997	
187	MC	7	188	11.98	0.00	0.977	12.21	0.00	0.980	-0.06	0.00	0.994	
188	MC	7	188	-0.69	0.36	0.551	7.69	0.98	0.322	-0.15	1.46	0.227	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group. Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.135: Logistic Regression DIF Results on Stage II Listening Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
135	MC	8192	2037	0.19	5.18	0.023	-0.08	0.08	0.777	0.01	1.06	0.303	
136	MC	2044	557	-0.22	3.18	0.075	0.04	0.01	0.929	0.00	0.41	0.521	
137	MC	2044	557	-0.07	0.34	0.561	0.84	3.74	0.053	-0.01	4.73	0.030	
138	MC	2044	557	-0.01	0.01	0.906	0.85	4.43	0.035	-0.01	4.94	0.026	
139	MC	2044	557	-0.20	3.76	0.053	0.16	0.19	0.659	-0.01	1.03	0.310	
140	MC	2044	557	-0.32	9.24	0.002	0.10	0.07	0.792	-0.01	1.26	0.262	Uniform<
141	MC	2044	557	-0.25	0.68	0.408	0.77	0.46	0.497	-0.03	0.83	0.363	
142	MC	8192	2037	-0.27	20.37	0.000	0.13	0.36	0.546	-0.01	3.84	0.050	Uniform<
143	MC	2044	557	-0.48	5.34	0.021	0.75	0.92	0.338	-0.03	2.52	0.112	
144	MC	2044	557	0.28	1.40	0.236	0.07	0.01	0.932	0.00	0.07	0.792	
145	MC	2044	557	-0.14	0.77	0.380	-0.85	2.23	0.135	0.02	1.72	0.190	
146	MC	2044	557	-0.04	0.12	0.728	-0.47	1.40	0.238	0.01	1.29	0.257	
147	MC	2044	557	-0.15	1.95	0.163	-0.25	0.47	0.493	0.00	0.08	0.773	
148	MC	2044	557	0.03	0.08	0.776	0.80	4.23	0.040	-0.01	4.20	0.040	
149	MC	2044	557	-0.13	0.78	0.377	0.15	0.07	0.784	-0.01	0.27	0.602	
150	MC	2111	470	-0.07	0.39	0.530	-0.03	0.00	0.948	0.00	0.02	0.900	
151	MC	2111	470	-0.15	1.59	0.207	-0.35	0.66	0.417	0.00	0.23	0.633	
152	MC	2111	470	-0.16	2.46	0.117	0.36	0.97	0.324	-0.01	2.27	0.132	
153	MC	2111	470	-0.03	0.07	0.791	0.53	1.71	0.191	-0.01	2.08	0.150	
154	MC	2111	470	-0.28	7.12	0.008	0.72	3.63	0.057	-0.02	7.61	0.006	NonUniform
155	MC	2111	470	-0.09	0.41	0.524	0.03	0.01	0.941	0.00	0.08	0.781	
156	MC	2111	470	0.16	0.42	0.517	-0.70	0.71	0.400	0.02	1.18	0.276	
157	MC	2111	470	0.02	0.01	0.921	0.59	0.57	0.449	-0.01	0.57	0.452	
158	MC	2111	470	0.10	0.40	0.527	0.15	0.07	0.798	0.00	0.01	0.934	
159	MC	2111	470	-0.03	0.04	0.836	0.43	0.77	0.380	-0.01	0.93	0.336	
160	MC	2111	470	0.08	0.20	0.651	-0.02	0.00	0.975	0.00	0.03	0.870	
161	MC	2111	470	-0.12	0.33	0.567	0.78	0.91	0.340	-0.02	1.25	0.263	
162	MC	2111	470	0.38	4.39	0.036	0.98	1.93	0.165	-0.01	0.78	0.377	
163	MC	1959	507	0.05	0.08	0.778	0.58	1.23	0.268	-0.01	1.13	0.289	
164	MC	1959	507	0.14	1.31	0.252	0.65	1.91	0.167	-0.01	1.27	0.259	
165	MC	1959	507	-0.18	2.72	0.099	0.40	0.95	0.329	-0.01	2.18	0.140	
166	MC	1959	507	0.13	1.46	0.227	1.39	11.88	0.001	-0.02	10.57	0.001	NonUniform
167	MC	1959	507	-0.23	0.59	0.444	-0.44	0.23	0.632	0.01	0.06	0.804	
168	MC	1959	507	0.06	0.23	0.634	-0.62	2.00	0.157	0.01	2.70	0.100	
169	MC	1959	507	-0.13	0.72	0.396	0.98	3.06	0.080	-0.02	4.14	0.042	
170	MC	1959	507	0.06	0.17	0.684	0.34	0.45	0.503	-0.01	0.34	0.562	
171	MC	1959	507	-0.22	2.39	0.122	0.12	0.06	0.813	-0.01	0.51	0.475	
172	MC	1959	507	-0.54	23.57	0.000	-0.43	1.36	0.243	0.00	0.09	0.770	Uniform<
173	MC	1959	507	-0.25	5.37	0.021	0.01	0.00	0.986	0.00	0.52	0.471	
174	MC	1959	507	0.04	0.08	0.781	0.52	0.97	0.326	-0.01	0.88	0.349	
175	MC	1959	507	0.10	0.43	0.511	-0.99	3.68	0.055	0.02	5.08	0.024	
176	MC	2078	503	-0.06	0.17	0.680	-0.12	0.05	0.817	0.00	0.01	0.911	
177	MC	2078	503	-0.17	2.58	0.108	0.26	0.40	0.530	-0.01	1.18	0.278	
178	MC	2078	503	-0.14	1.91	0.167	0.63	2.65	0.103	-0.01	4.33	0.037	
179	MC	2078	503	-0.17	2.59	0.108	0.25	0.42	0.515	-0.01	1.27	0.259	
180	MC	2078	503	0.26	1.47	0.225	-0.51	0.57	0.450	0.02	1.44	0.230	
181	MC	2078	503	-0.05	0.14	0.705	0.24	0.27	0.605	-0.01	0.43	0.512	
182	MC	2078	503	-0.20	2.85	0.091	-0.16	0.15	0.697	0.00	0.01	0.923	
183	MC	2078	503	-0.05	0.14	0.706	0.33	0.51	0.476	-0.01	0.72	0.397	
184	MC	2078	503	-0.08	0.30	0.584	-0.79	2.87	0.090	0.01	2.63	0.105	
185	MC	2078	503	-0.20	3.27	0.071	1.03	4.46	0.035	-0.02	6.78	0.009	NonUniform
186	MC	2078	503	0.28	2.34	0.126	-0.04	0.00	0.944	0.01	0.33	0.566	
187	MC	2078	503	0.02	0.01	0.917	-0.03	0.00	0.954	0.00	0.01	0.927	
188	MC	2078	503	0.05	0.07	0.793	0.00	0.00	0.996	0.00	0.01	0.937	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.136: Logistic Regression DIF Results on Stage II Listening Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
135	MC	215	8192	-0.67	4.98	0.026	2.97	2.42	0.119	-0.05	4.07	0.044	Uniform>
136	MC	55	2044	-0.16	0.18	0.672	-5.32	3.34	0.068	0.06	3.08	0.079	
137	MC	55	2044	0.70	5.48	0.019	0.07	0.00	0.976	0.01	0.08	0.776	
138	MC	55	2044	0.92	7.80	0.005	-3.17	1.38	0.240	0.05	2.30	0.130	
139	MC	55	2044	0.55	2.66	0.103	1.84	0.58	0.447	-0.02	0.29	0.588	
140	MC	55	2044	0.81	4.15	0.042	-0.08	0.00	0.976	0.01	0.11	0.744	
141	MC	55	2044	-2.29	4.39	0.036	-1.20	0.04	0.837	-0.02	0.04	0.848	
142	MC	215	8192	0.02	0.01	0.938	-0.71	0.36	0.546	0.01	0.39	0.533	
143	MC	55	2044	12.01	0.00	0.978	13.51	0.00	0.978	-0.07	0.00	0.991	
144	MC	55	2044	11.28	0.00	0.985	13.00	0.00	0.977	-0.08	0.00	0.988	
145	MC	55	2044	-0.03	0.00	0.979	-3.11	0.28	0.598	0.04	0.26	0.610	Uniform<
146	MC	55	2044	-0.33	0.70	0.402	-1.69	0.40	0.525	0.02	0.27	0.606	
147	MC	55	2044	-0.01	0.00	0.984	2.36	0.86	0.353	-0.03	0.90	0.343	
148	MC	55	2044	-0.09	0.07	0.793	4.32	2.27	0.132	-0.05	2.52	0.113	
149	MC	55	2044	-0.12	0.02	0.875	1.94	0.17	0.682	-0.03	0.20	0.653	
150	MC	57	2111	-0.16	0.23	0.629	-0.11	0.00	0.953	0.00	0.00	0.982	
151	MC	57	2111	0.05	0.03	0.859	-3.81	2.78	0.095	0.05	2.96	0.085	
152	MC	57	2111	0.50	3.21	0.073	-0.74	0.18	0.669	0.02	0.53	0.469	
153	MC	57	2111	0.22	0.64	0.424	-1.73	0.85	0.356	0.03	1.11	0.291	
154	MC	57	2111	0.53	3.23	0.072	0.53	0.09	0.764	0.00	0.00	0.998	
155	MC	57	2111	-0.11	0.08	0.776	0.05	0.00	0.982	0.00	0.01	0.943	Uniform>
156	MC	57	2111	11.45	0.00	0.982	14.79	0.00	0.977	-0.10	0.00	0.988	
157	MC	57	2111	12.84	0.00	0.984	15.64	0.00	0.981	-0.10	0.00	0.991	
158	MC	57	2111	0.18	0.06	0.804	0.41	0.01	0.919	0.00	0.00	0.954	
159	MC	57	2111	0.10	0.05	0.828	-2.02	0.49	0.485	0.03	0.54	0.464	
160	MC	57	2111	0.47	0.21	0.647	-3.57	0.43	0.510	0.07	0.52	0.472	
161	MC	57	2111	12.86	0.00	0.984	15.68	0.00	0.980	-0.10	0.00	0.991	
162	MC	57	2111	13.04	0.00	0.984	15.30	0.00	0.981	-0.09	0.00	0.992	
163	MC	48	1959	-0.14	0.05	0.820	0.74	0.05	0.829	-0.01	0.07	0.791	
164	MC	48	1959	0.06	0.03	0.861	-5.66	2.88	0.089	0.07	3.04	0.081	Uniform<
165	MC	48	1959	0.82	6.11	0.013	-1.55	0.45	0.504	0.03	1.06	0.302	
166	MC	48	1959	-0.21	0.40	0.527	-0.66	0.10	0.750	0.01	0.05	0.825	
167	MC	48	1959	11.28	0.00	0.985	14.36	0.00	0.983	-0.09	0.00	0.991	
168	MC	48	1959	0.47	0.38	0.536	-0.56	0.03	0.859	0.01	0.11	0.742	
169	MC	48	1959	-0.38	0.36	0.548	2.18	0.44	0.507	-0.03	0.68	0.410	
170	MC	48	1959	-0.25	0.15	0.699	3.13	0.93	0.335	-0.05	1.24	0.265	
171	MC	48	1959	1.23	1.42	0.234	3.59	0.45	0.503	-0.03	0.22	0.637	
172	MC	48	1959	0.26	0.56	0.453	0.37	0.03	0.859	0.00	0.00	0.958	
173	MC	48	1959	-0.05	0.02	0.892	-2.27	0.98	0.322	0.03	0.96	0.327	Uniform>
174	MC	48	1959	0.66	0.40	0.528	-5.63	0.62	0.433	0.11	0.60	0.439	
175	MC	48	1959	0.18	0.03	0.862	5.27	0.74	0.391	-0.07	0.86	0.354	
176	MC	55	2078	-1.31	10.71	0.001	-0.46	0.03	0.869	-0.01	0.10	0.754	
177	MC	55	2078	0.65	4.07	0.044	-0.05	0.00	0.982	0.01	0.09	0.768	
178	MC	55	2078	-0.20	0.49	0.483	-6.58	5.56	0.018	0.07	5.34	0.021	
179	MC	55	2078	-0.38	1.73	0.188	-2.84	1.43	0.231	0.03	1.09	0.296	
180	MC	55	2078	-1.41	1.78	0.183	-0.12	0.00	0.986	-0.02	0.04	0.849	
181	MC	55	2078	-0.72	3.44	0.064	2.72	0.83	0.361	-0.04	1.41	0.235	
182	MC	55	2078	-0.23	0.37	0.541	-0.29	0.01	0.913	0.00	0.00	0.980	Uniform<
183	MC	55	2078	0.10	0.04	0.847	4.06	0.97	0.324	-0.05	1.00	0.318	
184	MC	55	2078	-0.30	0.36	0.548	-5.66	2.31	0.128	0.07	1.99	0.159	
185	MC	55	2078	0.80	5.36	0.021	4.47	2.93	0.087	-0.04	2.07	0.150	
186	MC	55	2078	-0.68	0.81	0.368	-6.02	1.21	0.271	0.07	0.89	0.345	
187	MC	55	2078	0.16	0.02	0.875	-10.34	1.00	0.317	0.15	0.91	0.339	
188	MC	55	2078	11.36	0.00	0.980	14.20	0.00	0.980	-0.08	0.00	0.990	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group. Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.137: Logistic Regression DIF Results on Stage II Listening Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
135	MC	9003	1204	0.14	1.79	0.180	-0.15	0.19	0.664	0.01	0.76	0.382	
136	MC	2252	344	-0.16	1.12	0.289	-0.10	0.04	0.836	0.00	0.01	0.911	
137	MC	2252	344	0.13	0.86	0.353	0.49	0.89	0.346	-0.01	0.53	0.468	
138	MC	2252	344	-0.19	2.22	0.136	0.60	1.62	0.203	-0.01	3.00	0.083	
139	MC	2252	344	-0.09	0.60	0.439	0.36	0.64	0.425	-0.01	1.10	0.294	
140	MC	2252	344	-0.10	0.65	0.421	0.65	1.80	0.179	-0.01	2.58	0.108	
141	MC	2252	344	0.35	1.24	0.266	0.15	0.02	0.901	0.00	0.03	0.859	
142	MC	9003	1204	-0.18	6.10	0.014	-0.22	0.75	0.385	0.00	0.03	0.855	
143	MC	2252	344	-0.10	0.18	0.676	0.61	0.47	0.494	-0.02	0.66	0.418	
144	MC	2252	344	0.06	0.03	0.855	-0.45	0.17	0.678	0.01	0.24	0.621	
145	MC	2252	344	0.01	0.00	0.967	-0.83	1.49	0.222	0.02	1.70	0.193	
146	MC	2252	344	0.09	0.45	0.504	-0.82	3.10	0.078	0.02	4.34	0.037	
147	MC	2252	344	0.27	4.58	0.032	0.45	1.14	0.287	0.00	0.21	0.645	
148	MC	2252	344	-0.22	2.53	0.111	-0.45	0.94	0.332	0.00	0.28	0.597	
149	MC	2252	344	-0.15	0.75	0.387	0.72	0.96	0.328	-0.02	1.45	0.228	
150	MC	2281	294	-0.02	0.02	0.888	-0.50	1.24	0.266	0.01	1.28	0.258	
151	MC	2281	294	-0.16	1.17	0.279	0.02	0.00	0.967	0.00	0.13	0.718	
152	MC	2281	294	-0.34	7.32	0.007	-0.24	0.32	0.574	0.00	0.07	0.795	Uniform<
153	MC	2281	294	-0.08	0.38	0.535	0.59	1.51	0.218	-0.01	2.15	0.143	
154	MC	2281	294	-0.04	0.10	0.753	0.29	0.46	0.499	-0.01	0.64	0.422	
155	MC	2281	294	-0.09	0.31	0.577	-0.39	0.56	0.453	0.01	0.38	0.540	
156	MC	2281	294	-0.29	0.92	0.338	-0.55	0.26	0.610	0.01	0.06	0.800	
157	MC	2281	294	0.35	2.77	0.096	0.19	0.06	0.809	0.00	0.04	0.840	
158	MC	2281	294	-0.24	1.46	0.227	-1.03	2.37	0.124	0.02	1.58	0.209	
159	MC	2281	294	-0.01	0.00	0.969	1.03	2.83	0.092	-0.02	3.00	0.083	
160	MC	2281	294	0.19	0.98	0.323	-0.41	0.36	0.549	0.01	0.86	0.353	
161	MC	2281	294	0.25	1.39	0.238	1.35	2.24	0.134	-0.03	1.54	0.214	
162	MC	2281	294	-0.11	0.26	0.613	-0.37	0.20	0.652	0.01	0.11	0.744	
163	MC	2187	275	-0.02	0.01	0.922	0.21	0.08	0.773	0.00	0.11	0.743	
164	MC	2187	275	-0.06	0.17	0.676	0.09	0.02	0.880	0.00	0.07	0.789	
165	MC	2187	275	0.06	0.18	0.675	0.28	0.26	0.610	0.00	0.17	0.676	
166	MC	2187	275	0.11	0.68	0.411	0.76	2.08	0.149	-0.01	1.63	0.202	
167	MC	2187	275	-0.03	0.01	0.943	-0.60	0.24	0.627	0.01	0.25	0.620	
168	MC	2187	275	0.04	0.07	0.798	0.38	0.35	0.554	-0.01	0.29	0.588	
169	MC	2187	275	-0.08	0.15	0.697	0.68	0.82	0.366	-0.02	1.06	0.303	
170	MC	2187	275	-0.13	0.56	0.454	0.23	0.10	0.747	-0.01	0.28	0.598	
171	MC	2187	275	0.29	3.17	0.075	0.46	0.54	0.462	0.00	0.08	0.782	
172	MC	2187	275	-0.16	1.38	0.239	-0.11	0.05	0.821	0.00	0.01	0.921	
173	MC	2187	275	-0.07	0.25	0.618	1.14	4.31	0.038	-0.02	5.11	0.024	
174	MC	2187	275	-0.07	0.14	0.713	0.47	0.39	0.531	-0.01	0.55	0.457	
175	MC	2187	275	0.00	0.00	0.983	0.20	0.07	0.790	0.00	0.07	0.787	
176	MC	2283	291	-0.14	0.55	0.458	-0.26	0.13	0.716	0.00	0.03	0.868	
177	MC	2283	291	-0.20	2.34	0.126	-0.09	0.03	0.862	0.00	0.04	0.833	
178	MC	2283	291	-0.17	1.87	0.171	0.66	1.64	0.200	-0.01	2.79	0.095	
179	MC	2283	291	-0.25	3.75	0.053	0.84	2.40	0.122	-0.02	4.28	0.039	
180	MC	2283	291	0.20	0.51	0.474	1.99	3.08	0.079	-0.04	2.51	0.113	
181	MC	2283	291	-0.21	1.39	0.238	-0.60	0.87	0.352	0.01	0.40	0.526	
182	MC	2283	291	0.00	0.00	0.996	0.86	2.21	0.137	-0.01	2.32	0.128	
183	MC	2283	291	-0.11	0.48	0.487	1.38	3.95	0.047	-0.03	4.77	0.029	
184	MC	2283	291	-0.35	3.32	0.068	0.06	0.01	0.926	-0.01	0.37	0.543	
185	MC	2283	291	0.15	1.17	0.279	0.67	1.14	0.286	-0.01	0.72	0.395	
186	MC	2283	291	0.04	0.03	0.862	0.81	0.86	0.354	-0.02	0.81	0.369	
187	MC	2283	291	0.29	2.19	0.139	-0.58	0.69	0.408	0.02	1.69	0.194	
188	MC	2283	291	-0.20	0.48	0.489	0.56	0.26	0.608	-0.02	0.51	0.477	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group. Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.138: Logistic Regression DIF Results on Stage II Speaking Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
190	SA4	3802	4390	-0.23	33.47	0.000	-0.63	17.20	0.000	0.01	7.40	0.007	NonUniform
194	SA4	3802	4390	0.07	0.98	0.323	-0.25	0.54	0.462	0.00	0.90	0.342	
195	SA4	944	1100	-0.08	0.98	0.323	-0.61	3.59	0.058	0.01	2.88	0.090	
196	SA4	944	1100	0.15	1.10	0.294	-1.05	2.02	0.155	0.02	2.76	0.097	
197	SA4	944	1100	-0.16	3.90	0.048	0.01	0.00	0.975	0.00	0.32	0.571	
198	SA4	944	1100	-0.10	1.55	0.213	0.06	0.04	0.839	0.00	0.30	0.585	
199	SA2	944	1100	0.17	2.23	0.135	-0.07	0.02	0.882	0.00	0.26	0.613	
200	SA4	944	1100	-0.06	0.47	0.492	-0.16	0.24	0.622	0.00	0.11	0.745	
201	SA4	944	1100	-0.07	0.73	0.393	-0.53	2.81	0.094	0.01	2.26	0.133	
205	SA4	966	1145	0.09	0.45	0.501	-0.12	0.03	0.869	0.00	0.09	0.768	
206	SA4	966	1145	-0.11	1.92	0.165	-0.81	7.21	0.007	0.01	5.73	0.017	
207	SA2	966	1145	0.00	0.00	0.986	-0.33	0.51	0.477	0.01	0.55	0.460	
208	SA2	966	1145	0.04	0.16	0.686	-0.98	4.01	0.045	0.02	4.63	0.031	
209	SA4	966	1145	-0.09	1.09	0.296	-0.53	2.73	0.099	0.01	2.03	0.155	
210	SA4	966	1145	-0.11	1.67	0.196	-0.95	8.87	0.003	0.02	7.43	0.006	NonUniform
211	SA4	966	1145	-0.20	6.43	0.011	-0.96	9.93	0.002	0.01	6.68	0.010	NonUniform
217	SA4	903	1056	0.13	0.91	0.339	-0.35	0.23	0.630	0.01	0.45	0.502	Uniform<
218	SA4	903	1056	-0.29	12.30	0.000	0.09	0.08	0.780	-0.01	1.61	0.204	
219	SA4	903	1056	-0.21	6.69	0.010	-0.33	1.11	0.292	0.00	0.15	0.703	
220	SA2	903	1056	0.11	1.27	0.259	-0.57	1.68	0.195	0.01	2.54	0.111	
221	SA2	903	1056	0.00	0.00	0.983	-0.10	0.05	0.821	0.00	0.05	0.820	
222	SA4	903	1056	-0.03	0.09	0.767	-0.17	0.28	0.593	0.00	0.22	0.637	
223	SA4	903	1056	0.08	0.78	0.377	-0.03	0.01	0.916	0.00	0.12	0.724	Uniform<
227	SA4	989	1089	0.22	2.53	0.112	0.66	0.72	0.397	-0.01	0.33	0.567	
228	SA4	989	1089	-0.32	14.55	0.000	-0.86	8.13	0.004	0.01	3.53	0.060	
229	SA4	989	1089	-0.15	3.60	0.058	-0.44	2.13	0.144	0.01	0.96	0.327	
230	SA2	989	1089	0.07	0.34	0.560	0.60	1.07	0.301	-0.01	0.88	0.349	
231	SA4	989	1089	-0.09	1.11	0.291	-0.45	2.00	0.157	0.01	1.38	0.241	
232	SA4	989	1089	0.18	4.73	0.030	-0.29	0.90	0.342	0.01	2.55	0.110	
233	SA4	989	1089	0.12	2.31	0.129	-0.32	1.15	0.284	0.01	2.34	0.126	

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.139: Logistic Regression DIF Results on Stage II Speaking Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
190	SA4	7240	952	0.02	0.15	0.698	-0.35	2.34	0.126	0.01	2.90	0.088	
194	SA4	7240	952	-0.03	0.07	0.797	-0.63	1.65	0.199	0.01	1.57	0.211	
195	SA4	1821	223	0.25	3.51	0.061	-0.49	0.97	0.325	0.01	2.30	0.129	
196	SA4	1821	223	0.05	0.07	0.795	1.28	1.08	0.298	-0.02	1.05	0.306	
197	SA4	1821	223	0.27	4.43	0.035	0.43	0.79	0.375	0.00	0.11	0.735	
198	SA4	1821	223	-0.13	0.97	0.326	-0.30	0.39	0.535	0.00	0.13	0.713	
199	SA2	1821	223	-0.14	0.68	0.409	0.40	0.29	0.592	-0.01	0.56	0.453	
200	SA4	1821	223	0.25	3.52	0.061	-0.24	0.22	0.641	0.01	1.03	0.311	
201	SA4	1821	223	-0.12	0.79	0.375	-0.46	0.87	0.351	0.01	0.52	0.470	
205	SA4	1842	269	0.24	1.40	0.237	-2.10	4.77	0.029	0.03	5.86	0.016	
206	SA4	1842	269	-0.17	1.87	0.172	-0.07	0.02	0.882	0.00	0.05	0.830	
207	SA2	1842	269	0.03	0.05	0.822	-0.06	0.01	0.934	0.00	0.02	0.891	
208	SA2	1842	269	0.29	3.30	0.069	-0.46	0.42	0.519	0.01	1.14	0.285	
209	SA4	1842	269	-0.16	1.66	0.198	0.49	1.01	0.315	-0.01	1.95	0.162	
210	SA4	1842	269	0.06	0.21	0.651	-0.08	0.03	0.869	0.00	0.09	0.770	
211	SA4	1842	269	-0.07	0.32	0.573	-0.09	0.04	0.841	0.00	0.00	0.955	
217	SA4	1731	228	-0.34	2.94	0.086	-0.69	0.44	0.505	0.01	0.12	0.728	
218	SA4	1731	228	0.13	1.00	0.317	0.73	2.50	0.114	-0.01	1.82	0.178	
219	SA4	1731	228	0.02	0.03	0.866	-0.79	3.08	0.079	0.02	3.52	0.061	
220	SA2	1731	228	-0.01	0.00	0.949	-0.03	0.00	0.969	0.00	0.00	0.980	
221	SA2	1731	228	-0.10	0.37	0.541	0.06	0.01	0.927	0.00	0.06	0.813	
222	SA4	1731	228	0.24	3.31	0.069	0.25	0.28	0.594	0.00	0.00	0.985	
223	SA4	1731	228	0.36	6.66	0.010	0.22	0.20	0.656	0.00	0.08	0.775	Uniform>
227	SA4	1846	232	-0.08	0.13	0.717	1.35	0.95	0.331	-0.02	1.09	0.295	
228	SA4	1846	232	0.28	4.70	0.030	1.08	5.38	0.020	-0.01	3.20	0.073	
229	SA4	1846	232	0.28	4.90	0.027	1.00	4.66	0.031	-0.01	2.58	0.108	
230	SA2	1846	232	0.20	1.03	0.311	1.13	1.11	0.292	-0.01	0.80	0.372	
231	SA4	1846	232	0.45	11.21	0.001	0.39	0.62	0.431	0.00	0.02	0.886	Uniform>
232	SA4	1846	232	0.37	8.18	0.004	1.04	4.92	0.027	-0.01	2.19	0.139	Uniform>
233	SA4	1846	232	0.15	1.48	0.223	1.49	10.05	0.002	-0.02	8.65	0.003	NonUniform

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.140: Logistic Regression DIF Results on Stage II Speaking Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
190	SA4	416	7776	-0.13	1.94	0.164	0.37	1.17	0.280	-0.01	2.26	0.133	
194	SA4	416	7776	-0.30	3.34	0.067	0.64	0.69	0.407	-0.01	1.49	0.222	
195	SA4	61	1983	-0.04	0.03	0.865	0.28	0.06	0.802	-0.01	0.09	0.768	
196	SA4	61	1983	-0.63	2.03	0.154	-0.37	0.02	0.880	0.00	0.01	0.913	
197	SA4	61	1983	0.46	3.79	0.052	0.31	0.08	0.775	0.00	0.02	0.890	
198	SA4	61	1983	0.12	0.24	0.622	2.11	3.67	0.055	-0.03	3.48	0.062	
199	SA2	61	1983	-0.19	0.34	0.557	-0.57	0.12	0.733	0.01	0.05	0.819	
200	SA4	61	1983	-0.04	0.03	0.864	2.43	4.74	0.030	-0.04	5.12	0.024	
201	SA4	61	1983	0.26	1.19	0.274	1.40	1.64	0.201	-0.02	1.13	0.287	
205	SA4	112	1999	0.06	0.04	0.850	0.08	0.00	0.961	0.00	0.00	0.992	
206	SA4	112	1999	0.18	1.07	0.301	-0.18	0.07	0.793	0.01	0.30	0.582	
207	SA2	112	1999	-0.02	0.01	0.935	-0.72	0.42	0.517	0.01	0.43	0.513	
208	SA2	112	1999	-0.34	1.64	0.200	-0.41	0.12	0.728	0.00	0.00	0.951	
209	SA4	112	1999	0.21	1.21	0.271	0.88	1.53	0.216	-0.01	0.95	0.330	
210	SA4	112	1999	0.36	3.61	0.057	1.00	1.96	0.161	-0.01	0.88	0.347	
211	SA4	112	1999	-0.15	0.70	0.403	-0.78	1.28	0.257	0.01	0.91	0.341	
217	SA4	96	1863	-0.31	0.81	0.368	-3.98	1.88	0.170	0.05	1.70	0.192	
218	SA4	96	1863	-0.12	0.40	0.525	-1.75	5.96	0.015	0.03	5.50	0.019	
219	SA4	96	1863	-0.10	0.26	0.612	-0.49	0.48	0.488	0.01	0.33	0.565	
220	SA2	96	1863	0.10	0.18	0.671	1.40	2.50	0.114	-0.02	2.35	0.126	
221	SA2	96	1863	-0.22	0.80	0.372	0.92	0.84	0.359	-0.02	1.32	0.250	
222	SA4	96	1863	-0.09	0.19	0.661	0.01	0.00	0.994	0.00	0.02	0.893	
223	SA4	96	1863	-0.16	0.64	0.422	0.63	0.70	0.404	-0.02	1.21	0.271	
227	SA4	147	1931	-0.64	4.24	0.040	1.28	0.63	0.426	-0.03	1.41	0.235	
228	SA4	147	1931	-0.26	2.57	0.109	-0.13	0.05	0.818	0.00	0.06	0.812	
229	SA4	147	1931	-0.12	0.63	0.427	-0.40	0.51	0.474	0.00	0.26	0.607	
230	SA2	147	1931	-0.43	2.54	0.111	-0.46	0.12	0.726	0.00	0.00	0.983	
231	SA4	147	1931	-0.48	8.13	0.004	-0.99	2.72	0.099	0.01	0.76	0.382	Uniform<
232	SA4	147	1931	-0.40	6.23	0.013	-0.03	0.00	0.957	-0.01	0.45	0.501	
233	SA4	147	1931	-0.24	2.33	0.127	-0.02	0.00	0.974	0.00	0.17	0.684	

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.141: Logistic Regression DIF Results on Stage II Speaking Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
190	SA4	780	7412	0.37	29.27	0.000	0.29	1.41	0.235	0.00	0.12	0.728	Uniform> NonUniform
194	SA4	780	7412	-0.11	0.67	0.415	1.39	5.97	0.015	-0.02	7.07	0.008	
195	SA4	208	1836	-0.18	1.77	0.183	-0.75	2.43	0.119	0.01	1.54	0.214	
196	SA4	208	1836	-0.19	0.44	0.507	1.09	0.75	0.386	-0.02	1.05	0.306	
197	SA4	208	1836	0.13	0.96	0.327	-0.67	1.93	0.164	0.02	3.05	0.081	
198	SA4	208	1836	0.00	0.00	0.973	-0.92	3.75	0.053	0.02	4.10	0.043	
199	SA2	208	1836	-0.23	1.16	0.282	1.11	1.92	0.166	-0.02	2.90	0.089	
200	SA4	208	1836	0.06	0.19	0.666	-0.61	1.57	0.211	0.01	2.06	0.151	
201	SA4	208	1836	0.05	0.13	0.716	-0.27	0.31	0.577	0.01	0.48	0.487	
205	SA4	209	1902	-0.39	1.57	0.211	2.49	4.68	0.030	-0.05	6.02	0.014	
206	SA4	209	1902	0.11	0.66	0.416	0.07	0.02	0.882	0.00	0.01	0.936	
207	SA2	209	1902	-0.01	0.01	0.941	-0.65	0.63	0.426	0.01	0.65	0.419	
208	SA2	209	1902	0.13	0.43	0.511	0.88	1.40	0.236	-0.01	1.04	0.307	
209	SA4	209	1902	0.21	2.27	0.132	-0.44	0.75	0.386	0.01	1.81	0.179	
210	SA4	209	1902	0.18	1.58	0.209	-0.16	0.10	0.747	0.01	0.49	0.484	
211	SA4	209	1902	0.19	1.96	0.161	0.43	0.79	0.374	0.00	0.27	0.606	
217	SA4	185	1774	-0.04	0.02	0.882	0.66	0.28	0.599	-0.01	0.33	0.568	
218	SA4	185	1774	0.01	0.00	0.949	-0.16	0.11	0.743	0.00	0.13	0.719	
219	SA4	185	1774	0.11	0.59	0.444	-0.04	0.01	0.937	0.00	0.10	0.752	
220	SA2	185	1774	-0.17	0.81	0.368	-0.19	0.06	0.805	0.00	0.00	0.979	
221	SA2	185	1774	-0.25	1.63	0.202	-0.42	0.26	0.608	0.00	0.05	0.829	
222	SA4	185	1774	0.21	2.05	0.153	0.18	0.13	0.713	0.00	0.00	0.956	
223	SA4	185	1774	0.08	0.26	0.607	-0.52	0.97	0.324	0.01	1.39	0.239	
227	SA4	178	1900	0.10	0.12	0.730	0.74	0.23	0.630	-0.01	0.18	0.676	
228	SA4	178	1900	0.24	2.75	0.097	0.09	0.02	0.876	0.00	0.09	0.763	
229	SA4	178	1900	0.28	3.61	0.057	0.71	1.74	0.187	-0.01	0.71	0.399	
230	SA2	178	1900	0.43	3.61	0.057	1.26	1.66	0.198	-0.01	0.75	0.387	
231	SA4	178	1900	0.25	2.62	0.106	1.04	3.24	0.072	-0.02	2.01	0.156	
232	SA4	178	1900	0.31	4.46	0.035	0.12	0.05	0.829	0.00	0.13	0.720	
233	SA4	178	1900	0.21	2.17	0.140	0.56	1.07	0.301	-0.01	0.44	0.509	

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.142: Logistic Regression DIF Results on Stage II Speaking Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
190	SA4	6868	1324	-0.02	0.14	0.712	-0.14	0.48	0.490	0.00	0.38	0.538	Uniform<
194	SA4	6868	1324	-0.28	11.05	0.001	-0.65	2.48	0.115	0.01	0.84	0.360	
195	SA4	1732	312	0.15	1.83	0.176	-0.40	0.91	0.340	0.01	1.89	0.169	
196	SA4	1732	312	-0.42	5.57	0.018	-0.24	0.07	0.786	0.00	0.04	0.832	
197	SA4	1732	312	0.02	0.04	0.851	-0.15	0.14	0.708	0.00	0.19	0.659	
198	SA4	1732	312	-0.09	0.59	0.442	-0.75	3.38	0.066	0.01	2.89	0.089	
199	SA2	1732	312	0.00	0.00	0.989	1.10	2.59	0.108	-0.02	2.82	0.093	
200	SA4	1732	312	0.19	2.63	0.105	-0.54	1.65	0.199	0.01	3.31	0.069	NonUniform
201	SA4	1732	312	-0.24	4.42	0.036	-0.99	5.75	0.016	0.01	3.60	0.058	
205	SA4	1823	288	-0.22	1.41	0.236	-1.03	1.23	0.268	0.01	0.78	0.377	
206	SA4	1823	288	-0.04	0.10	0.753	-0.44	0.99	0.321	0.01	0.88	0.347	
207	SA2	1823	288	-0.08	0.33	0.564	0.05	0.01	0.943	0.00	0.04	0.836	
208	SA2	1823	288	0.18	1.29	0.256	-1.54	5.87	0.015	0.03	7.58	0.006	
209	SA4	1823	288	0.12	1.02	0.313	-0.65	1.97	0.161	0.01	3.00	0.083	
210	SA4	1823	288	0.07	0.32	0.570	0.31	0.44	0.507	0.00	0.28	0.594	Uniform>
211	SA4	1823	288	-0.03	0.06	0.808	-0.60	1.88	0.170	0.01	1.82	0.178	
217	SA4	1555	404	-0.29	3.23	0.072	0.42	0.22	0.641	-0.01	0.65	0.418	
218	SA4	1555	404	0.05	0.21	0.649	0.69	3.59	0.058	-0.01	3.34	0.068	
219	SA4	1555	404	-0.03	0.08	0.774	-0.30	0.70	0.404	0.01	0.62	0.430	
220	SA2	1555	404	-0.11	0.89	0.347	-0.14	0.07	0.794	0.00	0.00	0.966	
221	SA2	1555	404	0.01	0.01	0.937	0.43	0.58	0.445	-0.01	0.59	0.443	
222	SA4	1555	404	0.32	9.24	0.002	0.19	0.27	0.605	0.00	0.13	0.722	Uniform>
223	SA4	1555	404	0.38	11.89	0.001	0.76	3.70	0.055	-0.01	1.01	0.315	
227	SA4	1758	320	-0.42	5.41	0.020	-1.14	1.38	0.240	0.01	0.57	0.451	Uniform>
228	SA4	1758	320	0.13	1.27	0.260	-0.08	0.04	0.836	0.00	0.30	0.584	
229	SA4	1758	320	0.08	0.45	0.501	0.35	0.74	0.388	0.00	0.50	0.482	
230	SA2	1758	320	0.10	0.34	0.560	-1.44	3.69	0.055	0.02	4.37	0.037	
231	SA4	1758	320	0.33	7.72	0.005	0.49	1.30	0.255	0.00	0.15	0.697	
232	SA4	1758	320	0.28	5.88	0.015	0.97	5.53	0.019	-0.01	3.12	0.077	
233	SA4	1758	320	0.06	0.31	0.575	0.68	2.83	0.093	-0.01	2.53	0.112	

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.143: Logistic Regression DIF Results on Stage II Speaking Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
190	SA4	6868	812	-0.06	0.90	0.343	-0.01	0.00	0.967	0.00	0.05	0.825	Uniform<
194	SA4	6868	812	-0.38	13.69	0.000	-0.63	1.53	0.216	0.00	0.25	0.619	
195	SA4	1732	210	0.02	0.03	0.856	-0.14	0.07	0.795	0.00	0.10	0.752	
196	SA4	1732	210	-0.66	9.91	0.002	-1.20	1.54	0.215	0.01	0.33	0.567	Uniform<
197	SA4	1732	210	-0.10	0.53	0.468	-0.44	0.79	0.374	0.01	0.51	0.473	
198	SA4	1732	210	-0.13	0.96	0.328	-1.08	4.53	0.033	0.02	3.79	0.052	
199	SA2	1732	210	0.04	0.04	0.849	0.75	0.82	0.365	-0.01	0.81	0.368	Uniform<
200	SA4	1732	210	0.10	0.54	0.462	-0.54	1.08	0.300	0.01	1.62	0.203	
201	SA4	1732	210	-0.40	8.94	0.003	-1.01	3.96	0.047	0.01	1.54	0.214	
205	SA4	1823	146	-0.48	4.46	0.035	-1.78	2.57	0.109	0.02	1.39	0.239	Uniform<
206	SA4	1823	146	-0.02	0.02	0.877	-0.86	2.23	0.136	0.01	2.28	0.131	
207	SA2	1823	146	-0.43	5.33	0.021	-1.05	1.85	0.174	0.01	0.68	0.409	
208	SA2	1823	146	-0.01	0.00	0.962	-2.52	11.02	0.001	0.04	11.55	0.001	NonUniform
209	SA4	1823	146	0.18	1.14	0.285	-1.09	3.21	0.073	0.02	4.71	0.030	
210	SA4	1823	146	0.29	3.02	0.082	0.48	0.61	0.435	0.00	0.10	0.749	
211	SA4	1823	146	0.03	0.03	0.858	-0.69	1.42	0.234	0.01	1.68	0.195	
217	SA4	1555	268	-0.16	0.70	0.404	0.89	0.66	0.417	-0.02	0.96	0.328	
218	SA4	1555	268	-0.06	0.24	0.625	0.47	1.05	0.306	-0.01	1.40	0.236	
219	SA4	1555	268	-0.12	0.92	0.338	-0.27	0.37	0.546	0.00	0.13	0.715	
220	SA2	1555	268	-0.10	0.50	0.477	-0.11	0.03	0.864	0.00	0.00	0.992	
221	SA2	1555	268	0.06	0.16	0.685	0.40	0.35	0.557	-0.01	0.26	0.608	
222	SA4	1555	268	0.24	3.57	0.059	-0.33	0.50	0.481	0.01	1.58	0.208	
223	SA4	1555	268	0.24	3.51	0.061	0.35	0.52	0.471	0.00	0.06	0.813	
227	SA4	1758	188	-0.40	3.00	0.083	-2.17	3.80	0.051	0.03	2.53	0.112	
228	SA4	1758	188	-0.11	0.61	0.434	-0.89	2.77	0.096	0.01	2.24	0.135	
229	SA4	1758	188	-0.15	1.14	0.286	0.32	0.36	0.546	-0.01	0.84	0.359	
230	SA2	1758	188	-0.01	0.00	0.978	-2.01	5.01	0.025	0.03	5.07	0.024	
231	SA4	1758	188	0.25	2.92	0.087	1.02	3.21	0.073	-0.01	1.97	0.161	
232	SA4	1758	188	0.31	4.73	0.030	1.10	4.09	0.043	-0.01	2.33	0.127	
233	SA4	1758	188	0.00	0.00	0.980	0.12	0.05	0.827	0.00	0.05	0.825	

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.144: Logistic Regression DIF Results on Stage II Speaking Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUUni}$	Wald $\chi^2$	p-value	
190	SA4	512	812	-0.11	1.13	0.287	0.26	0.52	0.472	-0.01	1.13	0.287	
194	SA4	512	812	-0.25	2.59	0.107	-0.01	0.00	0.991	0.00	0.10	0.747	
195	SA4	102	210	-0.37	2.69	0.101	0.24	0.09	0.765	-0.01	0.62	0.431	
196	SA4	102	210	-0.74	4.22	0.040	-6.76	6.57	0.010	0.08	5.67	0.017	
197	SA4	102	210	-0.34	2.24	0.134	-1.06	1.75	0.186	0.01	0.88	0.348	
198	SA4	102	210	-0.07	0.09	0.769	-0.86	1.18	0.278	0.01	1.08	0.298	
199	SA2	102	210	-0.03	0.01	0.928	-0.98	0.49	0.484	0.01	0.50	0.481	
200	SA4	102	210	-0.21	0.81	0.369	-0.13	0.03	0.870	0.00	0.01	0.923	
201	SA4	102	210	-0.41	3.27	0.070	-0.41	0.26	0.612	0.00	0.00	0.998	
205	SA4	142	146	-0.61	3.37	0.066	-1.72	0.96	0.327	0.02	0.41	0.521	
206	SA4	142	146	0.02	0.01	0.933	-0.92	1.23	0.267	0.02	1.36	0.244	
207	SA2	142	146	-0.75	7.24	0.007	-2.79	4.41	0.036	0.03	2.52	0.113	Uniform<
208	SA2	142	146	-0.38	1.95	0.162	-2.43	3.99	0.046	0.03	3.05	0.081	
209	SA4	142	146	0.10	0.20	0.656	-1.19	1.75	0.186	0.02	2.22	0.136	
210	SA4	142	146	0.49	4.39	0.036	0.29	0.11	0.745	0.00	0.05	0.819	
211	SA4	142	146	0.08	0.13	0.719	-0.24	0.08	0.772	0.01	0.15	0.696	
217	SA4	136	268	0.45	2.02	0.156	0.97	0.34	0.558	-0.01	0.10	0.748	
218	SA4	136	268	-0.25	1.65	0.199	-0.39	0.35	0.555	0.00	0.05	0.829	
219	SA4	136	268	-0.28	2.02	0.155	0.22	0.11	0.737	-0.01	0.63	0.427	
220	SA2	136	268	0.04	0.03	0.860	0.07	0.01	0.943	0.00	0.00	0.977	
221	SA2	136	268	0.19	0.59	0.443	-0.27	0.06	0.805	0.01	0.19	0.663	
222	SA4	136	268	-0.27	1.74	0.187	-1.29	3.59	0.058	0.02	2.48	0.115	
223	SA4	136	268	-0.37	3.05	0.081	-0.87	1.51	0.219	0.01	0.55	0.458	
227	SA4	132	188	0.05	0.02	0.878	-3.25	2.58	0.108	0.05	2.78	0.095	
228	SA4	132	188	-0.53	6.40	0.011	-1.67	5.06	0.024	0.02	2.57	0.109	
229	SA4	132	188	-0.52	6.10	0.014	-0.24	0.11	0.741	0.00	0.15	0.699	
230	SA2	132	188	-0.18	0.30	0.583	-1.61	1.18	0.278	0.02	1.01	0.316	
231	SA4	132	188	-0.17	0.60	0.437	0.94	1.44	0.230	-0.02	2.17	0.141	
232	SA4	132	188	0.04	0.04	0.841	0.25	0.11	0.738	0.00	0.08	0.771	
233	SA4	132	188	-0.17	0.70	0.404	-1.16	2.41	0.121	0.02	1.90	0.169	

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.145: Logistic Regression DIF Results on Stage II Speaking Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
190	SA4	64	812	0.38	2.63	0.105	0.60	0.38	0.536	0.00	0.06	0.809	
194	SA4	64	812	-0.77	3.22	0.073	-1.22	0.26	0.613	0.01	0.04	0.850	
195	SA4	8	210	-0.69	1.12	0.290	1.00	0.13	0.722	-0.03	0.39	0.534	
196	SA4	8	210	-13.57	0.00	0.978	-5.69	0.00	0.992	-0.08	0.00	0.993	
197	SA4	8	210	0.29	0.19	0.659	1.65	0.34	0.561	-0.02	0.25	0.615	
198	SA4	8	210	0.14	0.04	0.835	1.73	0.36	0.548	-0.03	0.32	0.569	
199	SA2	8	210	-0.95	0.68	0.411	-1.25	0.04	0.841	0.00	0.00	0.960	
200	SA4	8	210	-1.16	2.85	0.091	0.76	0.06	0.799	-0.03	0.46	0.499	
201	SA4	8	210	0.56	0.68	0.411	-7.97	2.45	0.117	0.17	2.52	0.112	
205	SA4	39	146	-1.09	3.66	0.056	-1.38	0.19	0.662	0.00	0.01	0.928	
206	SA4	39	146	1.20	11.64	0.001	1.62	1.09	0.297	-0.01	0.08	0.780	Uniform>
207	SA2	39	146	-1.12	6.01	0.014	-2.55	1.05	0.305	0.02	0.36	0.548	
208	SA2	39	146	-0.56	1.69	0.194	-2.85	1.49	0.222	0.04	1.02	0.311	
209	SA4	39	146	0.69	3.68	0.055	0.66	0.17	0.683	0.00	0.00	0.983	
210	SA4	39	146	1.10	9.01	0.003	0.91	0.33	0.565	0.00	0.01	0.903	Uniform>
211	SA4	39	146	0.33	1.00	0.316	-2.09	1.67	0.196	0.04	2.31	0.128	
217	SA4	10	268	-11.20	0.00	0.981	-2.49	0.00	0.995	-0.11	0.00	0.991	
218	SA4	10	268	0.32	0.29	0.593	0.53	0.03	0.869	-0.01	0.00	0.945	
219	SA4	10	268	0.50	0.72	0.396	4.47	1.99	0.158	-0.10	1.67	0.196	
220	SA2	10	268	0.78	1.26	0.261	9.03	4.02	0.045	-0.21	3.26	0.071	
221	SA2	10	268	0.80	1.09	0.295	0.45	0.01	0.919	0.01	0.01	0.936	
222	SA4	10	268	-0.16	0.06	0.801	-2.77	0.67	0.411	0.06	0.62	0.430	
223	SA4	10	268	0.33	0.26	0.612	2.87	0.66	0.416	-0.06	0.53	0.467	
227	SA4	7	188	0.37	0.15	0.697	-3.76	0.17	0.682	0.06	0.21	0.648	
228	SA4	7	188	-1.08	2.37	0.124	-3.33	0.87	0.350	0.04	0.43	0.512	
229	SA4	7	188	-0.79	1.29	0.257	0.99	0.09	0.770	-0.03	0.32	0.575	
230	SA2	7	188	-12.31	0.00	0.975	-7.07	0.00	0.987	-0.04	0.00	0.996	
231	SA4	7	188	-0.86	1.30	0.255	0.43	0.01	0.908	-0.02	0.12	0.724	
232	SA4	7	188	-1.01	1.88	0.171	1.65	0.21	0.649	-0.05	0.60	0.439	
233	SA4	7	188	-1.00	1.98	0.159	-2.12	0.34	0.561	0.02	0.11	0.735	

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.146: Logistic Regression DIF Results on Stage II Speaking Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
190	SA4	8192	2037	-0.02	0.28	0.598	-0.79	26.05	0.000	0.01	26.90	0.000	NonUniform
194	SA4	8192	2037	-0.42	43.10	0.000	-0.02	0.00	0.960	-0.01	1.72	0.190	Uniform<
195	SA4	2044	557	0.05	0.35	0.556	0.10	0.08	0.772	0.00	0.02	0.897	
196	SA4	2044	557	-0.56	19.24	0.000	0.10	0.02	0.879	-0.01	1.11	0.292	Uniform<
197	SA4	2044	557	-0.06	0.48	0.486	-0.63	4.31	0.038	0.01	3.80	0.051	
198	SA4	2044	557	-0.25	7.80	0.005	-1.38	19.67	0.000	0.02	14.29	0.000	NonUniform
199	SA2	2044	557	-0.23	3.89	0.049	1.67	9.99	0.002	-0.03	13.95	0.000	NonUniform
200	SA4	2044	557	0.38	16.87	0.000	-0.61	3.65	0.056	0.02	10.60	0.001	NonUniform
201	SA4	2044	557	-0.01	0.02	0.889	-0.85	7.44	0.006	0.01	7.85	0.005	NonUniform
205	SA4	2111	470	-0.56	16.90	0.000	-0.94	2.10	0.147	0.01	0.36	0.549	Uniform<
206	SA4	2111	470	-0.01	0.00	0.948	-1.20	13.93	0.000	0.02	15.03	0.000	NonUniform
207	SA2	2111	470	-0.51	20.59	0.000	-0.61	1.81	0.179	0.00	0.05	0.830	Uniform<
208	SA2	2111	470	-0.36	9.50	0.002	-1.08	5.58	0.018	0.01	2.65	0.104	Uniform<
209	SA4	2111	470	0.51	26.01	0.000	0.17	0.26	0.611	0.01	1.11	0.291	Uniform>
210	SA4	2111	470	0.37	13.62	0.000	-0.59	2.99	0.084	0.02	8.67	0.003	NonUniform
211	SA4	2111	470	-0.30	9.75	0.002	-0.65	3.97	0.046	0.01	1.27	0.259	Uniform<
217	SA4	1959	507	-0.36	7.76	0.005	-0.74	1.33	0.249	0.01	0.37	0.545	Uniform<
218	SA4	1959	507	0.09	0.81	0.368	-0.49	2.45	0.118	0.01	3.69	0.055	
219	SA4	1959	507	-0.07	0.52	0.471	-1.11	12.40	0.000	0.02	12.10	0.001	NonUniform
220	SA2	1959	507	-0.56	27.54	0.000	-0.90	4.48	0.034	0.01	0.67	0.414	Uniform<
221	SA2	1959	507	-0.44	16.76	0.000	-1.19	8.01	0.005	0.01	3.39	0.066	Uniform<
222	SA4	1959	507	-0.03	0.08	0.781	-0.81	6.28	0.012	0.01	6.44	0.011	
223	SA4	1959	507	0.01	0.02	0.892	-0.98	8.65	0.003	0.02	9.68	0.002	NonUniform
227	SA4	2078	503	-0.11	0.67	0.413	0.13	0.03	0.868	0.00	0.10	0.750	
228	SA4	2078	503	-0.03	0.12	0.725	-0.16	0.24	0.623	0.00	0.16	0.686	
229	SA4	2078	503	0.24	6.45	0.011	-0.05	0.03	0.871	0.00	0.86	0.353	
230	SA2	2078	503	-0.06	0.23	0.633	0.89	1.93	0.165	-0.01	2.36	0.125	
231	SA4	2078	503	0.33	11.37	0.001	0.23	0.44	0.506	0.00	0.09	0.758	Uniform>
232	SA4	2078	503	0.33	12.08	0.001	0.43	1.74	0.188	0.00	0.11	0.738	Uniform>
233	SA4	2078	503	0.03	0.11	0.738	-0.28	0.75	0.386	0.00	0.99	0.321	

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.147: Logistic Regression DIF Results on Stage II Speaking Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
190	SA4	215	8192	-0.37	8.35	0.004	0.63	0.58	0.445	-0.01	1.50	0.220	Uniform<
194	SA4	215	8192	0.05	0.13	0.719	-4.91	12.47	0.000	0.06	12.96	0.000	NonUniform
195	SA4	55	2044	-1.05	14.50	0.000	-3.12	2.25	0.134	0.03	1.01	0.316	Uniform<
196	SA4	55	2044	0.42	2.25	0.133	-2.67	1.00	0.317	0.04	1.36	0.243	
197	SA4	55	2044	-0.68	6.68	0.010	1.24	0.42	0.519	-0.02	1.02	0.312	Uniform<
198	SA4	55	2044	-0.71	6.78	0.009	-2.48	1.56	0.212	0.02	0.81	0.367	Uniform<
199	SA2	55	2044	0.24	0.75	0.387	-6.73	5.06	0.025	0.08	5.50	0.019	
200	SA4	55	2044	-0.90	11.02	0.001	3.23	2.65	0.104	-0.05	4.37	0.037	Uniform<
201	SA4	55	2044	-0.53	3.86	0.050	0.37	0.03	0.853	-0.01	0.21	0.649	
205	SA4	57	2111	-0.21	0.53	0.467	-1.75	0.56	0.456	0.02	0.44	0.507	
206	SA4	57	2111	-0.59	5.33	0.021	1.36	0.78	0.376	-0.03	1.73	0.189	
207	SA2	57	2111	-0.47	2.82	0.093	0.10	0.00	0.956	-0.01	0.10	0.752	
208	SA2	57	2111	-0.42	2.21	0.137	0.58	0.10	0.751	-0.01	0.31	0.577	
209	SA4	57	2111	-0.83	9.78	0.002	0.88	0.30	0.584	-0.02	1.16	0.282	Uniform<
210	SA4	57	2111	-0.58	4.76	0.029	0.58	0.13	0.716	-0.02	0.55	0.460	
211	SA4	57	2111	-0.42	2.87	0.090	-0.74	0.23	0.630	0.00	0.04	0.835	
217	SA4	48	1959	-0.69	4.90	0.027	-2.85	0.81	0.369	0.03	0.47	0.493	
218	SA4	48	1959	-0.35	1.45	0.228	2.63	2.10	0.147	-0.04	2.75	0.097	
219	SA4	48	1959	-0.36	1.60	0.206	1.32	0.56	0.453	-0.02	0.95	0.329	
220	SA2	48	1959	0.11	0.12	0.732	1.90	0.93	0.335	-0.02	0.85	0.358	
221	SA2	48	1959	-0.09	0.09	0.763	2.38	1.55	0.214	-0.03	1.69	0.194	
222	SA4	48	1959	-0.55	3.74	0.053	2.05	1.27	0.260	-0.03	2.09	0.148	
223	SA4	48	1959	-0.59	4.26	0.039	-1.55	0.65	0.422	0.01	0.25	0.615	
227	SA4	55	2078	0.18	0.40	0.529	-5.15	2.88	0.090	0.06	3.08	0.079	
228	SA4	55	2078	-0.35	1.55	0.213	-0.73	0.12	0.728	0.00	0.03	0.854	
229	SA4	55	2078	-1.18	19.41	0.000	-0.61	0.09	0.760	-0.01	0.08	0.772	Uniform<
230	SA2	55	2078	0.55	3.76	0.052	-6.04	3.95	0.047	0.08	4.78	0.029	
231	SA4	55	2078	-0.29	1.16	0.282	-2.31	1.26	0.262	0.02	0.99	0.320	
232	SA4	55	2078	0.26	0.96	0.328	-1.39	0.48	0.490	0.02	0.68	0.410	
233	SA4	55	2078	-0.98	14.57	0.000	-1.99	1.02	0.312	0.01	0.27	0.605	Uniform<

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.148: Logistic Regression DIF Results on Stage II Speaking Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
190	SA4	9003	1204	-0.03	0.32	0.571	-0.51	6.86	0.009	0.01	6.64	0.010	NonUniform Uniform<
194	SA4	9003	1204	-0.21	6.92	0.009	0.45	1.23	0.268	-0.01	2.74	0.098	
195	SA4	2252	344	0.01	0.01	0.932	-0.78	4.11	0.043	0.01	4.65	0.031	NonUniform
196	SA4	2252	344	-0.15	0.94	0.334	1.21	2.05	0.152	-0.02	2.72	0.099	
197	SA4	2252	344	0.05	0.25	0.615	-0.91	6.23	0.013	0.02	7.54	0.006	Uniform>
198	SA4	2252	344	-0.13	1.51	0.219	-0.58	2.44	0.119	0.01	1.57	0.211	
199	SA2	2252	344	-0.22	2.73	0.098	0.96	2.52	0.113	-0.02	4.13	0.042	Uniform>
200	SA4	2252	344	0.29	6.95	0.008	-0.54	2.02	0.155	0.01	5.37	0.020	
201	SA4	2252	344	0.10	0.89	0.346	-0.36	0.94	0.331	0.01	1.69	0.193	Uniform<
205	SA4	2281	294	-0.15	0.73	0.394	-0.25	0.09	0.761	0.00	0.02	0.900	
206	SA4	2281	294	0.21	3.32	0.068	-0.48	1.64	0.201	0.01	3.64	0.057	Uniform<
207	SA2	2281	294	-0.45	10.78	0.001	-0.25	0.20	0.656	0.00	0.15	0.696	
208	SA2	2281	294	-0.22	2.43	0.119	0.09	0.02	0.879	-0.01	0.30	0.584	Uniform<
209	SA4	2281	294	0.18	2.25	0.134	-0.41	1.04	0.308	0.01	2.37	0.124	
210	SA4	2281	294	0.11	0.83	0.364	-0.60	2.24	0.134	0.01	3.45	0.063	Uniform<
211	SA4	2281	294	-0.08	0.49	0.486	-0.11	0.08	0.773	0.00	0.01	0.931	
217	SA4	2187	275	-0.16	0.89	0.345	-0.15	0.03	0.867	0.00	0.00	0.991	Uniform<
218	SA4	2187	275	0.05	0.19	0.663	-0.12	0.08	0.778	0.00	0.17	0.677	
219	SA4	2187	275	0.07	0.36	0.547	0.41	0.88	0.349	-0.01	0.64	0.422	Uniform<
220	SA2	2187	275	-0.29	4.81	0.028	-0.35	0.35	0.553	0.00	0.01	0.928	
221	SA2	2187	275	-0.43	10.62	0.001	-0.69	1.45	0.228	0.00	0.21	0.649	Uniform<
222	SA4	2187	275	0.23	3.69	0.055	-0.35	0.65	0.418	0.01	1.94	0.164	
223	SA4	2187	275	0.15	1.38	0.240	0.39	0.74	0.390	0.00	0.31	0.575	NonUniform
227	SA4	2283	291	-0.26	2.45	0.117	-1.36	2.46	0.117	0.01	1.63	0.202	
228	SA4	2283	291	-0.10	0.70	0.402	-0.43	0.95	0.329	0.01	0.62	0.431	NonUniform
229	SA4	2283	291	0.04	0.15	0.703	-1.27	8.54	0.003	0.02	9.79	0.002	
230	SA2	2283	291	-0.20	1.62	0.203	1.96	4.73	0.030	-0.03	6.09	0.014	NonUniform
231	SA4	2283	291	0.10	0.68	0.410	-0.62	1.84	0.175	0.01	2.68	0.102	
232	SA4	2283	291	0.22	3.48	0.062	-0.43	0.95	0.330	0.01	2.39	0.122	NonUniform
233	SA4	2283	291	-0.09	0.58	0.445	0.19	0.19	0.662	0.00	0.44	0.507	

Note: SA2=2 Point Short Answer Item, SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.149: Logistic Regression DIF Results on Stage III Reading Items for the Male/Female Comparison**

Focal Group: Male; Reference Group: Female													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	2819	3849	0.20	9.29	0.002	0.60	3.59	0.058	-0.01	1.70	0.192	Uniform>
2	MC	2819	3849	0.16	9.69	0.002	0.16	0.32	0.572	0.00	0.00	0.981	Uniform>
3	MC	2819	3849	0.19	8.07	0.004	0.42	1.49	0.222	0.00	0.48	0.491	Uniform>
4	MC	2819	3849	-0.03	0.23	0.629	-0.11	0.18	0.676	0.00	0.11	0.740	
5	MC	2819	3849	0.02	0.18	0.670	0.09	0.10	0.748	0.00	0.06	0.805	
6	MC	2819	3849	0.02	0.18	0.668	0.17	0.39	0.533	0.00	0.30	0.584	
7	MC	2819	3849	-0.09	2.62	0.106	-0.23	0.62	0.431	0.00	0.25	0.617	
8	MC	709	944	0.01	0.01	0.929	0.31	0.26	0.612	0.00	0.25	0.616	
9	MC	709	944	0.19	2.27	0.132	-0.44	0.43	0.513	0.01	0.92	0.339	
10	MC	709	944	0.02	0.03	0.859	-0.17	0.09	0.769	0.00	0.11	0.739	
11	MC	709	944	0.09	0.66	0.415	-0.52	0.96	0.327	0.01	1.35	0.245	
12	MC	709	944	0.07	0.39	0.533	-0.24	0.18	0.674	0.00	0.30	0.583	
13	MC	709	944	0.07	0.29	0.590	0.43	0.40	0.527	-0.01	0.29	0.591	
14	MC	709	944	-0.06	0.28	0.595	-0.29	0.20	0.657	0.00	0.13	0.721	
15	MC	709	944	0.25	4.30	0.038	-0.40	0.36	0.548	0.01	0.99	0.321	
16	MC	709	944	-0.08	0.46	0.497	-0.12	0.04	0.849	0.00	0.00	0.949	
17	MC	709	944	-0.07	0.24	0.623	0.08	0.01	0.908	0.00	0.05	0.825	
18	MC	709	944	-0.16	2.19	0.139	-0.91	2.89	0.089	0.01	2.07	0.150	
19	MC	709	944	-0.19	2.78	0.096	-2.07	12.31	0.000	0.03	10.69	0.001	NonUniform
20	MC	709	944	0.16	2.16	0.141	0.98	2.57	0.109	-0.01	1.84	0.175	
21	MC	709	944	-0.14	1.43	0.231	0.09	0.02	0.881	0.00	0.16	0.693	
22	MC	709	944	-0.13	1.34	0.247	-0.35	0.31	0.580	0.00	0.13	0.722	
23	MC	709	944	-0.01	0.00	0.952	0.52	0.87	0.350	-0.01	0.93	0.336	
24	MC	709	944	0.13	1.52	0.218	-0.62	1.01	0.314	0.01	1.55	0.213	
25	MC	709	944	0.16	2.19	0.139	0.09	0.02	0.875	0.00	0.01	0.906	
26	MC	709	944	0.07	0.36	0.548	-0.30	0.22	0.635	0.01	0.35	0.556	
27	MC	709	944	0.07	0.38	0.537	-0.96	2.32	0.127	0.01	2.76	0.097	
28	MC	709	944	-0.05	0.21	0.651	-0.33	0.34	0.557	0.00	0.26	0.609	
29	MC	709	944	0.05	0.20	0.651	0.35	0.30	0.587	0.00	0.22	0.637	
30	MC	709	944	0.16	2.16	0.141	0.58	1.29	0.257	-0.01	0.72	0.397	
31	MC	720	973	0.04	0.07	0.795	1.19	3.85	0.050	-0.02	3.85	0.050	
32	MC	720	973	0.29	5.17	0.023	0.19	0.09	0.761	0.00	0.03	0.871	
33	MC	720	973	-0.10	0.88	0.348	-0.19	0.14	0.711	0.00	0.03	0.859	
34	MC	720	973	0.09	0.67	0.413	0.73	1.97	0.161	-0.01	1.59	0.207	
35	MC	720	973	0.05	0.23	0.628	-0.71	1.46	0.227	0.01	1.75	0.186	
36	MC	720	973	0.09	0.53	0.465	0.32	0.21	0.643	0.00	0.11	0.738	
37	MC	720	973	0.19	2.75	0.097	-1.19	3.87	0.049	0.02	5.39	0.020	
38	MC	720	973	0.10	0.51	0.477	-0.58	0.86	0.355	0.01	1.25	0.263	
39	MC	720	973	-0.15	1.88	0.170	0.22	0.13	0.716	-0.01	0.38	0.537	
40	MC	720	973	0.07	0.37	0.543	-0.56	0.91	0.341	0.01	1.19	0.276	
41	MC	720	973	-0.22	2.54	0.111	-0.62	1.02	0.312	0.01	0.45	0.500	
42	MC	720	973	0.21	4.01	0.045	0.31	0.35	0.555	0.00	0.04	0.844	
43	MC	720	973	-0.01	0.02	0.893	-0.70	1.49	0.222	0.01	1.49	0.223	
44	MC	720	973	0.31	8.36	0.004	-0.24	0.17	0.678	0.01	0.96	0.328	Uniform>
45	MC	720	973	0.39	12.52	0.000	0.76	1.56	0.212	-0.01	0.38	0.536	Uniform>
46	MC	720	973	0.24	5.09	0.024	-0.26	0.20	0.657	0.01	0.76	0.383	
47	MC	720	973	-0.05	0.21	0.649	0.43	0.58	0.445	-0.01	0.75	0.387	
48	MC	720	973	0.12	1.39	0.239	0.41	0.57	0.449	0.00	0.29	0.590	
49	MC	720	973	0.07	0.43	0.511	-0.61	1.32	0.251	0.01	1.69	0.193	
50	MC	720	973	0.14	1.46	0.226	0.29	0.24	0.621	0.00	0.07	0.790	
51	MC	720	973	-0.02	0.02	0.883	0.56	1.13	0.287	-0.01	1.25	0.264	
52	MC	720	973	0.09	0.65	0.421	-0.12	0.04	0.833	0.00	0.13	0.714	
53	MC	720	973	-0.07	0.41	0.520	0.32	0.35	0.556	-0.01	0.54	0.462	
54	MC	698	991	-0.22	3.47	0.062	0.32	0.36	0.548	-0.01	1.11	0.293	
55	MC	698	991	0.07	0.40	0.527	0.27	0.28	0.597	0.00	0.17	0.682	
56	MC	698	991	0.24	4.29	0.038	1.08	3.36	0.067	-0.01	2.12	0.145	
57	MC	698	991	0.03	0.08	0.776	0.11	0.05	0.818	0.00	0.03	0.863	
58	MC	698	991	0.16	2.21	0.137	0.33	0.35	0.552	0.00	0.10	0.754	
59	MC	698	991	0.23	3.72	0.054	1.63	7.45	0.006	-0.02	5.71	0.017	
60	MC	698	991	-0.07	0.38	0.535	-1.38	4.92	0.026	0.02	4.62	0.032	
61	MC	698	991	-0.06	0.33	0.566	-0.47	0.67	0.413	0.01	0.52	0.469	
62	MC	698	991	0.11	1.13	0.289	1.05	5.08	0.024	-0.01	4.30	0.038	
63	MC	698	991	0.19	3.34	0.068	-0.41	0.54	0.464	0.01	1.22	0.270	
64	MC	698	991	-0.02	0.05	0.827	-1.00	2.50	0.114	0.02	2.46	0.117	
65	MC	698	991	0.35	9.77	0.002	0.80	1.99	0.158	-0.01	0.67	0.414	Uniform>
66	MC	698	991	0.25	5.53	0.019	0.88	2.64	0.104	-0.01	1.39	0.238	
67	MC	698	991	0.31	8.97	0.003	0.16	0.10	0.753	0.00	0.09	0.770	Uniform>
68	MC	698	991	0.31	7.98	0.005	0.55	0.74	0.389	0.00	0.14	0.709	Uniform>
69	MC	698	991	0.21	3.77	0.052	0.50	0.67	0.411	0.00	0.23	0.632	
70	MC	698	991	0.25	5.15	0.023	0.00	0.00	0.994	0.00	0.21	0.646	

**Table F.149: Logistic Regression DIF Results on Stage III Reading Items for the Male/Female Comparison**

Focal Group: Male; Reference Group: Female													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	698	991	-0.31	7.64	0.006	-0.16	0.07	0.796	0.00	0.07	0.797	Uniform<
72	MC	698	991	-0.09	0.70	0.402	0.37	0.42	0.516	-0.01	0.69	0.407	
73	MC	698	991	-0.08	0.58	0.446	-0.16	0.09	0.765	0.00	0.02	0.884	
74	MC	698	991	0.23	4.99	0.025	0.27	0.32	0.573	0.00	0.01	0.940	
75	MC	698	991	-0.14	1.64	0.200	-1.13	4.36	0.037	0.02	3.53	0.060	
76	MC	698	991	0.10	0.87	0.350	-0.17	0.10	0.757	0.00	0.25	0.618	
77	MC	692	941	-0.04	0.04	0.835	-0.32	0.18	0.669	0.01	0.15	0.697	
78	MC	692	941	0.19	2.64	0.104	0.35	0.30	0.582	0.00	0.06	0.805	
79	MC	692	941	0.35	8.16	0.004	0.95	1.98	0.159	-0.01	0.83	0.362	Uniform>
80	MC	692	941	-0.12	1.31	0.253	-0.25	0.21	0.646	0.00	0.06	0.810	
81	MC	692	941	-0.15	2.04	0.153	0.00	0.00	0.994	0.00	0.09	0.765	
82	MC	692	941	-0.18	2.57	0.109	-0.73	1.23	0.268	0.01	0.72	0.395	
83	MC	692	941	0.46	13.96	0.000	1.80	7.40	0.007	-0.02	4.29	0.038	Uniform>
84	MC	692	941	0.49	13.61	0.000	1.80	6.77	0.009	-0.02	3.74	0.053	Uniform>
85	MC	692	941	0.20	3.19	0.074	0.77	1.89	0.169	-0.01	1.07	0.300	
86	MC	692	941	0.18	2.93	0.087	0.82	2.33	0.127	-0.01	1.46	0.226	
87	MC	692	941	0.03	0.10	0.756	1.04	3.46	0.063	-0.02	3.36	0.067	
88	MC	692	941	-0.18	2.75	0.097	0.97	2.26	0.133	-0.02	3.30	0.069	
89	MC	692	941	0.15	1.87	0.171	-1.10	3.55	0.059	0.02	4.72	0.030	
90	MC	692	941	0.22	4.23	0.040	0.18	0.08	0.773	0.00	0.01	0.940	
91	MC	692	941	-0.19	1.96	0.161	-1.19	3.20	0.073	0.02	2.38	0.123	
92	MC	692	941	0.25	5.18	0.023	0.59	1.29	0.255	-0.01	0.45	0.501	
93	MC	692	941	0.15	1.85	0.174	-0.17	0.09	0.764	0.01	0.33	0.566	
94	MC	692	941	-0.03	0.10	0.755	0.99	3.11	0.078	-0.02	3.43	0.064	
95	MC	692	941	-0.10	0.88	0.349	-0.45	0.67	0.414	0.01	0.41	0.520	
96	MC	692	941	0.24	4.16	0.041	0.49	0.72	0.395	0.00	0.20	0.653	
97	MC	692	941	-0.20	2.84	0.092	-0.01	0.00	0.989	0.00	0.11	0.744	
98	MC	692	941	0.11	0.99	0.319	0.13	0.05	0.818	0.00	0.00	0.974	
99	MC	692	941	-0.18	2.84	0.092	-0.47	0.63	0.429	0.00	0.24	0.624	
100	SA1	2819	3849	-0.17	9.30	0.002	0.09	0.11	0.737	0.00	1.02	0.312	Uniform<
101	SA1	2819	3849	-0.44	43.21	0.000	-0.78	3.30	0.069	0.00	0.64	0.422	Uniform<
102	SA1	709	944	-0.22	3.34	0.068	-0.19	0.11	0.736	0.00	0.00	0.968	
103	SA1	709	944	-0.17	2.41	0.121	0.81	2.00	0.157	-0.01	3.02	0.082	
104	SA1	709	944	-0.66	26.52	0.000	-1.06	1.64	0.201	0.01	0.24	0.625	Uniform<
105	SA1	709	944	-0.63	16.68	0.000	0.47	0.22	0.636	-0.01	1.24	0.266	Uniform<
106	SA1	720	973	-0.01	0.01	0.912	1.04	2.41	0.120	-0.02	2.56	0.110	
107	SA1	720	973	-0.13	0.36	0.549	-0.33	0.09	0.764	0.00	0.03	0.855	
108	SA1	720	973	-0.34	5.76	0.016	-0.15	0.02	0.877	0.00	0.03	0.852	
109	SA1	720	973	-0.31	3.58	0.059	-0.70	0.43	0.511	0.01	0.14	0.709	
110	SA1	698	991	-0.12	1.00	0.318	-0.76	1.62	0.204	0.01	1.21	0.272	
111	SA1	698	991	-0.05	0.19	0.659	0.45	0.79	0.375	-0.01	0.99	0.319	
112	SA1	698	991	-0.22	3.66	0.056	1.27	3.29	0.070	-0.02	4.63	0.031	
113	SA1	698	991	-0.28	4.92	0.027	0.12	0.02	0.880	-0.01	0.27	0.600	
114	SA1	692	941	-0.30	7.92	0.005	0.40	0.47	0.493	-0.01	1.51	0.219	Uniform<
115	SA1	692	941	0.11	1.15	0.284	0.13	0.06	0.804	0.00	0.00	0.970	
116	SA1	692	941	-0.56	17.45	0.000	1.15	1.93	0.165	-0.03	4.33	0.038	Uniform<
117	SA1	692	941	-0.53	16.40	0.000	1.83	5.09	0.024	-0.04	8.63	0.003	NonUniform

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.150: Logistic Regression DIF Results on Stage III Reading Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	5193	1475	-0.21	6.56	0.010	-0.35	0.84	0.360	0.00	0.15	0.702	
2	MC	5193	1475	-0.06	0.81	0.367	-0.03	0.01	0.928	0.00	0.01	0.936	
3	MC	5193	1475	-0.15	3.31	0.069	-0.71	3.04	0.081	0.01	1.97	0.160	
4	MC	5193	1475	-0.10	2.36	0.124	-0.57	3.35	0.067	0.01	2.42	0.120	
5	MC	5193	1475	-0.09	1.94	0.164	-0.34	0.93	0.335	0.00	0.51	0.473	
6	MC	5193	1475	0.03	0.18	0.670	-0.14	0.18	0.668	0.00	0.28	0.597	
7	MC	5193	1475	0.01	0.01	0.908	0.07	0.04	0.845	0.00	0.03	0.859	
8	MC	1274	379	-0.04	0.05	0.826	-0.28	0.15	0.694	0.00	0.12	0.725	
9	MC	1274	379	-0.07	0.21	0.645	-0.29	0.13	0.723	0.00	0.07	0.788	
10	MC	1274	379	-0.09	0.50	0.479	-1.11	2.76	0.096	0.01	2.41	0.120	
11	MC	1274	379	-0.07	0.33	0.565	-0.28	0.20	0.657	0.00	0.11	0.736	
12	MC	1274	379	-0.05	0.15	0.695	0.89	1.53	0.215	-0.01	1.78	0.182	
13	MC	1274	379	-0.28	2.55	0.110	-2.05	6.88	0.009	0.03	5.46	0.019	
14	MC	1274	379	-0.12	0.79	0.375	0.05	0.00	0.949	0.00	0.05	0.829	
15	MC	1274	379	0.31	4.49	0.034	0.18	0.05	0.825	0.00	0.03	0.872	
16	MC	1274	379	0.20	2.04	0.153	-0.65	0.81	0.369	0.01	1.43	0.232	
17	MC	1274	379	0.05	0.11	0.735	2.31	6.81	0.009	-0.03	6.98	0.008	NonUniform
18	MC	1274	379	0.09	0.53	0.467	0.65	1.00	0.316	-0.01	0.78	0.378	
19	MC	1274	379	0.10	0.55	0.458	1.40	3.67	0.055	-0.02	3.33	0.068	
20	MC	1274	379	-0.10	0.51	0.473	1.19	2.16	0.142	-0.02	2.60	0.107	
21	MC	1274	379	-0.05	0.16	0.688	0.77	1.20	0.274	-0.01	1.43	0.232	
22	MC	1274	379	-0.12	0.93	0.334	-0.52	0.51	0.476	0.01	0.30	0.582	
23	MC	1274	379	-0.20	2.50	0.114	0.56	0.66	0.415	-0.01	1.26	0.261	
24	MC	1274	379	-0.16	1.64	0.200	-1.02	2.05	0.152	0.01	1.48	0.223	
25	MC	1274	379	-0.20	2.38	0.123	-0.10	0.02	0.881	0.00	0.02	0.895	
26	MC	1274	379	-0.12	0.90	0.342	-0.92	1.60	0.206	0.01	1.24	0.266	
27	MC	1274	379	0.04	0.08	0.774	-0.47	0.41	0.524	0.01	0.49	0.485	
28	MC	1274	379	-0.08	0.44	0.508	0.04	0.00	0.952	0.00	0.03	0.852	
29	MC	1274	379	0.00	0.00	0.971	1.28	2.39	0.122	-0.02	2.49	0.115	
30	MC	1274	379	0.09	0.54	0.462	1.19	3.37	0.066	-0.02	3.02	0.082	
31	MC	1253	440	-0.44	5.32	0.021	1.00	2.11	0.146	-0.03	4.67	0.031	Uniform<
32	MC	1253	440	-0.40	6.72	0.010	-1.89	8.30	0.004	0.03	5.46	0.019	
33	MC	1253	440	-0.08	0.45	0.504	-0.65	1.40	0.236	0.01	1.13	0.289	
34	MC	1253	440	-0.09	0.58	0.447	-0.62	1.20	0.274	0.01	0.91	0.341	
35	MC	1253	440	-0.19	2.66	0.103	0.30	0.22	0.642	-0.01	0.60	0.437	
36	MC	1253	440	-0.24	2.45	0.118	-1.48	3.89	0.049	0.02	2.85	0.092	
37	MC	1253	440	0.04	0.11	0.739	0.47	0.46	0.496	-0.01	0.40	0.527	
38	MC	1253	440	0.12	0.56	0.453	0.20	0.09	0.768	0.00	0.01	0.907	
39	MC	1253	440	0.03	0.06	0.812	-0.54	0.64	0.425	0.01	0.73	0.393	
40	MC	1253	440	-0.11	0.73	0.394	-1.30	4.40	0.036	0.02	3.84	0.050	
41	MC	1253	440	0.29	3.32	0.069	0.07	0.01	0.923	0.00	0.12	0.730	
42	MC	1253	440	-0.14	1.46	0.227	-0.53	0.84	0.360	0.01	0.46	0.496	
43	MC	1253	440	0.03	0.08	0.772	0.84	1.57	0.211	-0.01	1.50	0.221	
44	MC	1253	440	-0.39	9.79	0.002	-0.87	2.00	0.158	0.01	0.64	0.423	Uniform<
45	MC	1253	440	-0.33	6.83	0.009	-1.16	3.05	0.081	0.01	1.62	0.203	Uniform<
46	MC	1253	440	-0.05	0.21	0.649	0.68	0.99	0.320	-0.01	1.19	0.274	
47	MC	1253	440	-0.11	0.85	0.356	-0.33	0.28	0.595	0.00	0.13	0.718	
48	MC	1253	440	-0.03	0.07	0.797	0.51	0.67	0.412	-0.01	0.79	0.375	
49	MC	1253	440	-0.10	0.74	0.389	-0.74	1.68	0.195	0.01	1.31	0.253	
50	MC	1253	440	-0.06	0.19	0.664	-0.70	1.19	0.275	0.01	1.05	0.305	
51	MC	1253	440	0.05	0.21	0.651	-0.58	1.00	0.316	0.01	1.25	0.264	
52	MC	1253	440	-0.03	0.07	0.797	-1.10	3.18	0.074	0.02	3.10	0.078	
53	MC	1253	440	-0.02	0.04	0.851	-0.50	0.71	0.398	0.01	0.68	0.411	
54	MC	1310	379	-0.13	0.82	0.364	0.16	0.06	0.803	0.00	0.22	0.636	
55	MC	1310	379	-0.12	0.92	0.338	-0.25	0.17	0.681	0.00	0.05	0.826	
56	MC	1310	379	-0.18	1.57	0.210	-1.18	3.05	0.081	0.02	2.31	0.129	
57	MC	1310	379	-0.07	0.27	0.604	-0.42	0.52	0.469	0.01	0.39	0.533	
58	MC	1310	379	0.25	3.89	0.049	-0.42	0.41	0.523	0.01	1.08	0.298	
59	MC	1310	379	-0.15	1.04	0.307	-0.55	0.61	0.433	0.01	0.34	0.558	
60	MC	1310	379	0.09	0.47	0.494	0.18	0.06	0.801	0.00	0.02	0.894	
61	MC	1310	379	0.07	0.28	0.595	-0.63	0.95	0.331	0.01	1.20	0.274	
62	MC	1310	379	0.30	6.14	0.013	0.12	0.05	0.827	0.00	0.10	0.752	
63	MC	1310	379	0.01	0.01	0.932	-0.25	0.15	0.700	0.00	0.17	0.682	
64	MC	1310	379	-0.14	1.10	0.295	-1.08	2.43	0.119	0.01	1.91	0.167	
65	MC	1310	379	-0.10	0.63	0.426	-1.08	2.80	0.094	0.01	2.37	0.124	
66	MC	1310	379	0.07	0.31	0.577	0.49	0.53	0.468	-0.01	0.40	0.528	
67	MC	1310	379	0.00	0.00	0.988	-0.10	0.03	0.865	0.00	0.03	0.865	
68	MC	1310	379	-0.12	0.88	0.349	-0.11	0.02	0.882	0.00	0.00	0.989	
69	MC	1310	379	-0.01	0.00	0.961	0.23	0.09	0.760	0.00	0.10	0.749	
70	MC	1310	379	0.01	0.01	0.912	0.29	0.19	0.659	0.00	0.18	0.669	

**Table F.150: Logistic Regression DIF Results on Stage III Reading Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	1310	379	0.18	1.82	0.178	0.93	1.48	0.223	-0.01	1.01	0.316	
72	MC	1310	379	-0.16	1.59	0.207	0.68	0.97	0.324	-0.01	1.56	0.212	
73	MC	1310	379	-0.08	0.38	0.540	0.10	0.03	0.870	0.00	0.09	0.769	
74	MC	1310	379	0.11	0.84	0.361	0.19	0.11	0.736	0.00	0.02	0.888	
75	MC	1310	379	-0.12	0.87	0.350	0.54	0.71	0.398	-0.01	1.11	0.293	
76	MC	1310	379	0.14	1.25	0.264	0.52	0.59	0.441	-0.01	0.33	0.566	
77	MC	1356	277	0.09	0.14	0.705	-1.55	2.64	0.104	0.03	3.26	0.071	
78	MC	1356	277	0.07	0.17	0.680	0.33	0.14	0.704	0.00	0.10	0.757	
79	MC	1356	277	0.14	0.73	0.393	-0.51	0.34	0.562	0.01	0.56	0.455	
80	MC	1356	277	-0.16	1.27	0.260	-0.01	0.00	0.993	0.00	0.05	0.828	
81	MC	1356	277	0.06	0.22	0.635	-0.15	0.05	0.827	0.00	0.10	0.749	
82	MC	1356	277	-0.13	0.77	0.379	0.35	0.16	0.686	-0.01	0.31	0.576	
83	MC	1356	277	-0.13	0.59	0.442	-1.07	1.57	0.210	0.02	1.27	0.260	
84	MC	1356	277	-0.02	0.01	0.910	-0.47	0.27	0.607	0.01	0.25	0.615	
85	MC	1356	277	0.04	0.06	0.811	0.44	0.33	0.566	-0.01	0.29	0.591	
86	MC	1356	277	0.12	0.69	0.406	-0.61	0.75	0.386	0.01	1.11	0.292	
87	MC	1356	277	-0.18	1.74	0.188	-0.51	0.51	0.476	0.01	0.22	0.640	
88	MC	1356	277	-0.18	1.57	0.211	-0.05	0.00	0.957	0.00	0.03	0.870	
89	MC	1356	277	-0.16	1.35	0.246	-0.02	0.00	0.981	0.00	0.04	0.846	
90	MC	1356	277	-0.34	5.66	0.017	-0.93	1.45	0.229	0.01	0.60	0.438	
91	MC	1356	277	-0.16	0.89	0.346	1.22	1.97	0.160	-0.02	2.69	0.101	
92	MC	1356	277	0.02	0.03	0.865	0.25	0.13	0.714	0.00	0.11	0.735	
93	MC	1356	277	-0.04	0.08	0.781	0.69	0.77	0.380	-0.01	0.90	0.342	
94	MC	1356	277	-0.15	1.20	0.274	0.40	0.28	0.597	-0.01	0.55	0.458	
95	MC	1356	277	-0.25	3.14	0.077	-0.28	0.17	0.683	0.00	0.00	0.961	
96	MC	1356	277	0.06	0.16	0.691	0.02	0.00	0.979	0.00	0.00	0.957	
97	MC	1356	277	0.20	1.54	0.214	0.17	0.04	0.836	0.00	0.00	0.970	
98	MC	1356	277	0.02	0.01	0.904	0.70	0.87	0.350	-0.01	0.87	0.351	
99	MC	1356	277	-0.01	0.01	0.941	0.30	0.15	0.701	0.00	0.16	0.686	
100	SA1	5193	1475	0.05	0.45	0.502	0.50	2.36	0.125	-0.01	2.03	0.154	
101	SA1	5193	1475	-0.13	2.96	0.085	0.23	0.22	0.636	-0.01	0.56	0.456	
102	SA1	1274	379	-0.20	1.88	0.170	0.65	0.79	0.373	-0.01	1.42	0.233	
103	SA1	1274	379	0.03	0.06	0.799	-0.31	0.21	0.644	0.00	0.27	0.605	
104	SA1	1274	379	-0.43	9.63	0.002	-0.85	0.96	0.327	0.01	0.24	0.622	Uniform<
105	SA1	1274	379	-0.12	0.51	0.475	1.09	0.88	0.347	-0.02	1.11	0.292	
106	SA1	1253	440	-0.25	3.53	0.060	0.18	0.06	0.807	-0.01	0.36	0.550	
107	SA1	1253	440	-0.07	0.08	0.775	0.92	0.53	0.468	-0.01	0.65	0.422	
108	SA1	1253	440	-0.08	0.26	0.612	-0.59	0.30	0.584	0.01	0.23	0.631	
109	SA1	1253	440	-0.07	0.17	0.680	0.98	0.65	0.421	-0.01	0.77	0.381	
110	SA1	1310	379	-0.04	0.11	0.745	0.35	0.25	0.617	-0.01	0.33	0.565	
111	SA1	1310	379	-0.11	0.82	0.366	-0.05	0.01	0.938	0.00	0.01	0.914	
112	SA1	1310	379	0.14	1.00	0.317	-0.26	0.09	0.761	0.01	0.22	0.637	
113	SA1	1310	379	0.01	0.01	0.931	0.63	0.47	0.495	-0.01	0.46	0.497	
114	SA1	1356	277	-0.39	7.96	0.005	-1.01	1.96	0.161	0.01	0.75	0.385	Uniform<
115	SA1	1356	277	0.08	0.34	0.560	-1.68	6.36	0.012	0.03	7.20	0.007	NonUniform
116	SA1	1356	277	-0.41	6.86	0.009	0.42	0.17	0.683	-0.01	0.68	0.411	Uniform<
117	SA1	1356	277	-0.20	1.60	0.206	-1.28	1.79	0.181	0.02	1.29	0.255	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.151: Logistic Regression DIF Results on Stage III Reading Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	513	6155	0.13	1.22	0.270	-0.62	0.89	0.346	0.01	1.34	0.246	Uniform>
2	MC	513	6155	0.26	7.19	0.007	0.47	0.81	0.369	0.00	0.17	0.677	
3	MC	513	6155	-0.06	0.24	0.621	0.01	0.00	0.989	0.00	0.01	0.917	
4	MC	513	6155	-0.16	2.71	0.100	0.35	0.44	0.506	-0.01	0.97	0.325	
5	MC	513	6155	0.02	0.03	0.856	-0.92	2.25	0.133	0.01	2.41	0.120	
6	MC	513	6155	-0.11	1.13	0.288	-1.03	3.09	0.079	0.01	2.57	0.109	
7	MC	513	6155	-0.14	1.98	0.159	0.02	0.00	0.969	0.00	0.08	0.773	
8	MC	69	1584	1.16	5.93	0.015	1.87	0.86	0.353	-0.01	0.13	0.714	
9	MC	69	1584	-0.53	3.39	0.066	-0.21	0.02	0.900	-0.01	0.04	0.842	
10	MC	69	1584	0.41	2.41	0.120	1.97	2.22	0.136	-0.02	1.45	0.229	
11	MC	69	1584	0.05	0.03	0.854	0.41	0.09	0.761	-0.01	0.08	0.784	Uniform>
12	MC	69	1584	0.24	0.83	0.363	-0.73	0.22	0.640	0.01	0.40	0.527	
13	MC	69	1584	-0.20	0.40	0.525	0.36	0.05	0.828	-0.01	0.12	0.730	
14	MC	69	1584	-0.29	1.16	0.281	1.21	0.61	0.436	-0.01	0.36	0.550	
15	MC	69	1584	-0.28	0.99	0.320	1.50	1.02	0.312	-0.03	1.50	0.221	
16	MC	69	1584	-0.26	0.94	0.332	-0.23	0.02	0.886	0.00	0.00	0.982	
17	MC	69	1584	0.17	0.28	0.596	-2.06	1.22	0.270	0.03	1.53	0.216	
18	MC	69	1584	-0.44	2.48	0.116	-1.14	0.52	0.469	0.01	0.21	0.649	
19	MC	69	1584	-0.62	3.72	0.054	0.33	0.04	0.841	-0.01	0.34	0.559	
20	MC	69	1584	-0.18	0.44	0.507	0.70	0.21	0.646	-0.01	0.34	0.558	NonUniform
21	MC	69	1584	-0.04	0.02	0.885	0.91	0.41	0.523	-0.01	0.46	0.499	
22	MC	69	1584	-0.16	0.34	0.562	-0.03	0.00	0.985	0.00	0.01	0.938	
23	MC	69	1584	0.83	10.71	0.001	1.66	1.68	0.195	-0.01	0.43	0.511	
24	MC	69	1584	-0.01	0.00	0.969	-3.12	2.24	0.135	0.05	2.28	0.131	
25	MC	69	1584	-0.19	0.51	0.476	2.62	4.07	0.044	-0.04	4.75	0.029	
26	MC	69	1584	-0.41	2.06	0.151	-1.60	0.64	0.422	0.02	0.36	0.546	
27	MC	69	1584	-0.09	0.11	0.745	3.50	7.02	0.008	-0.05	7.38	0.007	
28	MC	69	1584	-0.16	0.36	0.548	-5.34	5.51	0.019	0.08	5.37	0.020	
29	MC	69	1584	0.25	0.90	0.342	2.81	4.25	0.039	-0.04	3.57	0.059	NonUniform
30	MC	69	1584	-0.07	0.08	0.782	2.96	4.95	0.026	-0.05	5.24	0.022	
31	MC	178	1515	0.43	2.19	0.139	-1.02	0.56	0.454	0.03	1.14	0.286	
32	MC	178	1515	0.15	0.48	0.488	-0.77	0.42	0.517	0.02	0.61	0.434	
33	MC	178	1515	0.03	0.03	0.854	0.25	0.08	0.776	0.00	0.06	0.800	
34	MC	178	1515	0.17	0.96	0.328	-0.26	0.08	0.775	0.01	0.23	0.632	
35	MC	178	1515	0.31	3.49	0.062	-0.05	0.00	0.958	0.01	0.15	0.698	
36	MC	178	1515	-0.01	0.00	0.964	1.21	1.22	0.270	-0.02	1.29	0.256	
37	MC	178	1515	-0.01	0.00	0.957	-1.51	1.87	0.172	0.02	1.93	0.165	
38	MC	178	1515	-0.05	0.04	0.844	0.67	0.35	0.555	-0.01	0.41	0.523	
39	MC	178	1515	-0.11	0.40	0.529	0.67	0.48	0.488	-0.01	0.66	0.415	NonUniform
40	MC	178	1515	0.10	0.29	0.588	-0.34	0.11	0.741	0.01	0.19	0.663	
41	MC	178	1515	0.13	0.37	0.544	-0.31	0.09	0.769	0.01	0.18	0.672	
42	MC	178	1515	0.43	5.98	0.015	-0.73	0.57	0.451	0.02	1.46	0.226	
43	MC	178	1515	-0.13	0.61	0.435	-2.78	5.91	0.015	0.04	5.60	0.018	
44	MC	178	1515	0.26	2.15	0.142	-0.89	0.76	0.385	0.02	1.29	0.256	
45	MC	178	1515	0.40	4.95	0.026	-0.59	0.29	0.587	0.02	0.86	0.355	
46	MC	178	1515	0.22	1.67	0.197	0.20	0.04	0.836	0.00	0.00	0.982	
47	MC	178	1515	0.07	0.20	0.657	-0.98	0.98	0.323	0.02	1.17	0.279	
48	MC	178	1515	0.17	1.01	0.314	-0.40	0.18	0.669	0.01	0.38	0.537	NonUniform
49	MC	178	1515	0.14	0.72	0.395	-0.64	0.49	0.485	0.01	0.75	0.386	
50	MC	178	1515	0.19	1.12	0.291	-1.93	2.80	0.095	0.03	3.45	0.063	
51	MC	178	1515	-0.22	1.56	0.211	-0.03	0.00	0.978	0.00	0.04	0.835	
52	MC	178	1515	0.03	0.04	0.845	0.80	0.75	0.387	-0.01	0.71	0.400	
53	MC	178	1515	0.09	0.27	0.604	0.37	0.16	0.687	0.00	0.10	0.757	
54	MC	152	1537	0.05	0.06	0.809	-1.56	2.23	0.135	0.03	2.44	0.118	
55	MC	152	1537	0.04	0.06	0.800	-0.79	0.63	0.426	0.01	0.73	0.392	
56	MC	152	1537	-0.41	4.71	0.030	-0.39	0.13	0.718	0.00	0.00	0.990	
57	MC	152	1537	0.09	0.27	0.603	-0.13	0.02	0.889	0.00	0.06	0.803	Uniform>
58	MC	152	1537	0.10	0.32	0.571	-0.69	0.42	0.516	0.01	0.58	0.448	
59	MC	152	1537	0.55	6.67	0.010	1.77	3.19	0.074	-0.02	1.60	0.206	
60	MC	152	1537	0.33	3.28	0.070	1.10	1.21	0.271	-0.01	0.61	0.436	
61	MC	152	1537	0.25	1.94	0.164	0.45	0.21	0.651	0.00	0.04	0.841	
62	MC	152	1537	-0.08	0.24	0.628	1.30	2.48	0.115	-0.02	2.92	0.088	
63	MC	152	1537	0.05	0.08	0.782	0.79	0.68	0.409	-0.01	0.62	0.433	
64	MC	152	1537	-0.20	1.15	0.284	0.28	0.07	0.796	-0.01	0.20	0.654	
65	MC	152	1537	0.00	0.00	0.984	0.16	0.02	0.882	0.00	0.02	0.878	
66	MC	152	1537	-0.19	1.15	0.283	-0.34	0.11	0.742	0.00	0.02	0.888	NonUniform
67	MC	152	1537	-0.27	2.07	0.150	-0.67	0.42	0.516	0.01	0.16	0.690	
68	MC	152	1537	0.28	2.20	0.138	0.45	0.16	0.685	0.00	0.03	0.873	
69	MC	152	1537	0.36	3.64	0.056	0.38	0.13	0.723	0.00	0.00	0.980	
70	MC	152	1537	-0.18	0.82	0.364	0.06	0.00	0.955	0.00	0.05	0.815	NonUniform

**Table F.151: Logistic Regression DIF Results on Stage III Reading Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	152	1537	-0.51	5.61	0.018	-1.53	1.28	0.257	0.02	0.60	0.440	NonUniform
72	MC	152	1537	-0.19	0.90	0.344	0.14	0.02	0.896	-0.01	0.10	0.754	
73	MC	152	1537	-0.31	2.34	0.126	-0.04	0.00	0.971	0.00	0.07	0.790	
74	MC	152	1537	-0.17	0.87	0.352	-0.73	0.63	0.429	0.01	0.38	0.535	
75	MC	152	1537	0.10	0.33	0.566	-0.08	0.01	0.931	0.00	0.04	0.842	
76	MC	152	1537	-0.18	0.93	0.334	-0.75	0.49	0.484	0.01	0.30	0.587	
77	MC	114	1519	-0.36	1.25	0.264	2.37	2.25	0.133	-0.05	3.32	0.069	
78	MC	114	1519	-0.07	0.09	0.761	0.37	0.08	0.771	-0.01	0.12	0.726	
79	MC	114	1519	0.26	1.19	0.275	0.39	0.08	0.782	0.00	0.01	0.926	
80	MC	114	1519	-0.43	4.56	0.033	-0.01	0.00	0.991	-0.01	0.14	0.710	
81	MC	114	1519	-0.18	0.85	0.358	-0.73	0.40	0.525	0.01	0.23	0.628	
82	MC	114	1519	0.10	0.22	0.641	-2.03	1.81	0.178	0.03	2.05	0.153	
83	MC	114	1519	-0.06	0.08	0.783	-1.88	1.46	0.227	0.03	1.39	0.239	
84	MC	114	1519	-0.40	2.76	0.097	-1.07	0.51	0.473	0.01	0.21	0.648	
85	MC	114	1519	0.24	1.18	0.277	-4.01	6.20	0.013	0.07	6.95	0.008	
86	MC	114	1519	-0.02	0.01	0.911	0.73	0.40	0.525	-0.01	0.44	0.506	
87	MC	114	1519	-0.30	2.13	0.144	1.26	1.20	0.273	-0.02	1.88	0.170	
88	MC	114	1519	0.05	0.06	0.808	-0.35	0.07	0.794	0.01	0.09	0.762	
89	MC	114	1519	-0.19	0.86	0.353	-0.49	0.15	0.698	0.00	0.06	0.811	
90	MC	114	1519	0.12	0.32	0.570	1.01	0.71	0.398	-0.01	0.57	0.449	
91	MC	114	1519	0.49	4.67	0.031	1.20	0.96	0.327	-0.01	0.34	0.559	
92	MC	114	1519	0.18	0.75	0.388	0.89	0.63	0.426	-0.01	0.42	0.519	
93	MC	114	1519	-0.08	0.13	0.719	0.57	0.22	0.642	-0.01	0.29	0.593	
94	MC	114	1519	-0.37	3.21	0.073	-0.13	0.01	0.915	0.00	0.04	0.842	
95	MC	114	1519	-0.15	0.49	0.484	0.32	0.07	0.789	-0.01	0.16	0.690	
96	MC	114	1519	-0.32	1.74	0.187	-1.91	1.64	0.201	0.02	1.19	0.275	
97	MC	114	1519	0.37	3.00	0.083	-1.80	1.87	0.172	0.03	2.84	0.092	
98	MC	114	1519	0.01	0.00	0.948	-2.09	2.48	0.115	0.03	2.64	0.104	
99	MC	114	1519	-0.21	0.97	0.325	1.70	2.07	0.150	-0.03	2.65	0.104	
100	SA1	513	6155	0.03	0.08	0.779	-0.24	0.21	0.650	0.00	0.27	0.604	
101	SA1	513	6155	-0.02	0.04	0.846	-0.58	0.48	0.488	0.01	0.45	0.500	
102	SA1	69	1584	0.09	0.10	0.748	0.05	0.00	0.973	0.00	0.00	0.976	
103	SA1	69	1584	0.15	0.34	0.563	1.30	0.92	0.337	-0.02	0.74	0.390	
104	SA1	69	1584	-0.05	0.03	0.858	-3.95	2.04	0.153	0.05	2.05	0.152	
105	SA1	69	1584	-0.11	0.08	0.780	-6.55	2.64	0.104	0.09	2.69	0.101	
106	SA1	178	1515	0.12	0.40	0.528	1.62	2.52	0.113	-0.02	2.18	0.139	
107	SA1	178	1515	0.03	0.01	0.922	-0.83	0.18	0.670	0.01	0.21	0.648	
108	SA1	178	1515	-0.37	2.53	0.112	0.38	0.06	0.813	-0.01	0.22	0.639	
109	SA1	178	1515	-0.51	3.15	0.076	-1.14	0.32	0.572	0.01	0.10	0.752	
110	SA1	152	1537	-0.49	4.68	0.031	-1.68	1.57	0.210	0.02	0.82	0.364	
111	SA1	152	1537	-0.42	5.28	0.022	0.40	0.18	0.671	-0.01	0.78	0.376	
112	SA1	152	1537	0.01	0.00	0.961	-2.49	2.48	0.115	0.04	2.56	0.110	
113	SA1	152	1537	0.11	0.27	0.601	-1.08	0.51	0.474	0.02	0.64	0.422	
114	SA1	114	1519	0.01	0.00	0.968	0.13	0.01	0.913	0.00	0.01	0.917	
115	SA1	114	1519	0.10	0.23	0.632	-1.39	1.32	0.251	0.02	1.56	0.211	
116	SA1	114	1519	-0.71	6.06	0.014	-2.01	0.82	0.365	0.02	0.35	0.552	
117	SA1	114	1519	-0.41	2.41	0.121	1.63	1.02	0.312	-0.03	1.59	0.207	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.152: Logistic Regression DIF Results on Stage III Reading Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	1334	5334	-0.42	33.65	0.000	0.04	0.01	0.912	-0.01	1.69	0.194	Uniform<
2	MC	1334	5334	-0.02	0.13	0.719	0.02	0.00	0.950	0.00	0.02	0.891	
3	MC	1334	5334	-0.36	23.17	0.000	-0.04	0.01	0.917	-0.01	0.68	0.411	Uniform<
4	MC	1334	5334	-0.02	0.08	0.774	0.08	0.07	0.797	0.00	0.10	0.747	
5	MC	1334	5334	-0.01	0.03	0.855	1.30	14.95	0.000	-0.02	15.87	0.000	NonUniform
6	MC	1334	5334	-0.02	0.10	0.753	-0.65	3.63	0.057	0.01	3.57	0.059	
7	MC	1334	5334	0.04	0.28	0.596	0.44	1.59	0.207	-0.01	1.39	0.238	
8	MC	361	1292	-0.21	1.85	0.174	-1.44	4.29	0.038	0.02	3.26	0.071	
9	MC	361	1292	-0.36	6.32	0.012	0.01	0.00	0.988	-0.01	0.27	0.606	
10	MC	361	1292	-0.36	7.48	0.006	0.50	0.57	0.448	-0.01	1.79	0.181	Uniform<
11	MC	361	1292	-0.02	0.02	0.902	0.43	0.51	0.475	-0.01	0.58	0.448	
12	MC	361	1292	0.06	0.18	0.674	0.91	1.95	0.163	-0.01	1.78	0.183	
13	MC	361	1292	-0.27	3.51	0.061	0.09	0.02	0.901	-0.01	0.25	0.615	
14	MC	361	1292	-0.19	1.94	0.163	1.25	2.98	0.084	-0.02	4.12	0.042	
15	MC	361	1292	-0.01	0.00	0.955	-0.07	0.01	0.927	0.00	0.01	0.935	
16	MC	361	1292	0.20	2.18	0.140	0.95	1.98	0.159	-0.01	1.28	0.257	
17	MC	361	1292	0.24	2.26	0.133	1.92	7.14	0.008	-0.03	5.61	0.018	
18	MC	361	1292	0.17	1.66	0.197	1.06	3.20	0.074	-0.01	2.37	0.124	
19	MC	361	1292	0.07	0.22	0.641	0.63	0.97	0.326	-0.01	0.81	0.368	
20	MC	361	1292	-0.10	0.53	0.466	0.03	0.00	0.967	0.00	0.03	0.854	
21	MC	361	1292	-0.05	0.12	0.728	1.98	9.32	0.002	-0.03	10.04	0.002	NonUniform
22	MC	361	1292	0.09	0.43	0.514	0.16	0.05	0.822	0.00	0.01	0.918	
23	MC	361	1292	0.08	0.31	0.576	1.28	4.13	0.042	-0.02	3.81	0.051	
24	MC	361	1292	0.01	0.00	0.964	1.55	5.19	0.023	-0.02	5.35	0.021	
25	MC	361	1292	0.05	0.12	0.733	1.07	2.70	0.100	-0.02	2.58	0.108	
26	MC	361	1292	-0.09	0.37	0.543	-0.88	1.26	0.261	0.01	1.07	0.302	
27	MC	361	1292	0.10	0.49	0.485	0.99	2.00	0.157	-0.01	1.69	0.194	
28	MC	361	1292	0.25	3.58	0.058	0.48	0.55	0.459	0.00	0.13	0.718	
29	MC	361	1292	0.12	0.66	0.416	1.50	4.38	0.036	-0.02	3.86	0.050	
30	MC	361	1292	0.07	0.26	0.609	0.88	2.27	0.132	-0.01	2.03	0.154	
31	MC	326	1367	-0.15	0.73	0.393	-0.05	0.00	0.952	0.00	0.02	0.891	
32	MC	326	1367	-0.44	9.20	0.002	-0.23	0.09	0.763	0.00	0.08	0.771	Uniform<
33	MC	326	1367	0.00	0.00	0.996	-0.75	1.32	0.251	0.01	1.37	0.242	
34	MC	326	1367	0.03	0.05	0.821	-0.23	0.12	0.728	0.00	0.16	0.688	
35	MC	326	1367	-0.02	0.02	0.884	-0.24	0.11	0.742	0.00	0.09	0.759	
36	MC	326	1367	-0.58	15.57	0.000	-1.35	2.38	0.123	0.01	0.79	0.375	Uniform<
37	MC	326	1367	0.07	0.22	0.637	0.51	0.50	0.481	-0.01	0.38	0.536	
38	MC	326	1367	-0.10	0.27	0.603	-0.38	0.22	0.642	0.00	0.13	0.720	
39	MC	326	1367	0.18	1.63	0.201	-0.43	0.31	0.576	0.01	0.65	0.419	
40	MC	326	1367	-0.36	6.91	0.009	-0.90	1.48	0.224	0.01	0.55	0.459	Uniform<
41	MC	326	1367	0.32	3.89	0.049	0.93	1.67	0.197	-0.01	0.75	0.386	
42	MC	326	1367	-0.08	0.33	0.565	-0.24	0.13	0.719	0.00	0.06	0.802	
43	MC	326	1367	0.22	2.62	0.106	1.76	7.21	0.007	-0.03	5.71	0.017	
44	MC	326	1367	-0.22	2.57	0.109	0.16	0.05	0.820	-0.01	0.30	0.582	
45	MC	326	1367	0.00	0.00	0.981	0.11	0.02	0.882	0.00	0.02	0.876	
46	MC	326	1367	0.07	0.30	0.585	1.46	4.69	0.030	-0.02	4.40	0.036	
47	MC	326	1367	0.01	0.00	0.957	-0.22	0.10	0.753	0.00	0.11	0.740	
48	MC	326	1367	-0.14	1.06	0.303	-1.77	5.79	0.016	0.03	5.13	0.024	
49	MC	326	1367	0.11	0.69	0.407	1.19	3.55	0.059	-0.02	3.04	0.081	
50	MC	326	1367	-0.04	0.07	0.785	0.25	0.12	0.730	0.00	0.16	0.685	
51	MC	326	1367	-0.05	0.11	0.736	0.66	1.02	0.313	-0.01	1.22	0.270	
52	MC	326	1367	-0.16	1.33	0.249	-0.75	1.01	0.314	0.01	0.65	0.421	
53	MC	326	1367	-0.11	0.60	0.437	-0.83	1.39	0.239	0.01	1.09	0.296	
54	MC	301	1388	0.06	0.16	0.686	-1.34	3.59	0.058	0.03	4.05	0.044	
55	MC	301	1388	-0.06	0.17	0.679	0.03	0.00	0.964	0.00	0.02	0.892	
56	MC	301	1388	-0.35	5.98	0.014	-1.67	4.39	0.036	0.02	2.83	0.092	
57	MC	301	1388	-0.33	5.85	0.016	-1.91	8.19	0.004	0.03	5.86	0.016	
58	MC	301	1388	-0.10	0.49	0.482	1.37	4.37	0.037	-0.02	5.25	0.022	
59	MC	301	1388	-0.36	6.19	0.013	0.53	0.56	0.453	-0.02	1.67	0.196	
60	MC	301	1388	0.10	0.48	0.488	0.60	0.65	0.418	-0.01	0.47	0.495	
61	MC	301	1388	0.12	0.66	0.416	-0.93	1.56	0.211	0.02	2.07	0.150	
62	MC	301	1388	-0.22	2.77	0.096	-0.47	0.59	0.441	0.00	0.17	0.679	
63	MC	301	1388	-0.20	1.94	0.164	1.43	4.51	0.034	-0.03	6.09	0.014	
64	MC	301	1388	-0.13	0.75	0.386	-0.44	0.31	0.577	0.01	0.16	0.687	
65	MC	301	1388	0.18	1.47	0.225	1.40	4.08	0.043	-0.02	3.20	0.074	
66	MC	301	1388	-0.28	4.12	0.042	-0.11	0.03	0.872	0.00	0.07	0.795	
67	MC	301	1388	-0.07	0.22	0.636	-0.38	0.32	0.570	0.01	0.23	0.631	
68	MC	301	1388	0.08	0.27	0.603	2.07	8.12	0.004	-0.03	7.81	0.005	NonUniform
69	MC	301	1388	-0.07	0.25	0.614	0.62	0.69	0.407	-0.01	0.90	0.344	
70	MC	301	1388	0.04	0.08	0.780	0.48	0.49	0.482	-0.01	0.43	0.512	

**Table F.152: Logistic Regression DIF Results on Stage III Reading Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	301	1388	-0.09	0.35	0.552	1.84	6.54	0.011	-0.03	7.38	0.007	NonUniform
72	MC	301	1388	-0.15	0.93	0.335	0.58	0.64	0.423	-0.01	1.06	0.304	
73	MC	301	1388	0.13	0.76	0.382	0.84	1.59	0.207	-0.01	1.19	0.276	
74	MC	301	1388	0.06	0.20	0.654	0.65	1.18	0.277	-0.01	1.02	0.313	
75	MC	301	1388	0.08	0.27	0.601	1.03	2.52	0.113	-0.02	2.25	0.133	
76	MC	301	1388	-0.35	5.73	0.017	1.26	3.50	0.061	-0.03	5.90	0.015	
77	MC	346	1287	-0.43	5.12	0.024	-0.60	0.53	0.467	0.00	0.05	0.832	
78	MC	346	1287	-0.30	4.86	0.028	-0.25	0.12	0.725	0.00	0.00	0.945	
79	MC	346	1287	-0.29	4.17	0.041	-0.21	0.07	0.789	0.00	0.01	0.921	
80	MC	346	1287	-0.32	6.05	0.014	-0.70	1.16	0.281	0.01	0.36	0.547	
81	MC	346	1287	-0.14	1.15	0.284	-0.04	0.00	0.952	0.00	0.03	0.866	
82	MC	346	1287	-0.16	1.32	0.251	0.40	0.27	0.603	-0.01	0.55	0.457	
83	MC	346	1287	-0.30	4.76	0.029	-0.14	0.03	0.857	0.00	0.05	0.824	
84	MC	346	1287	-0.17	1.39	0.238	0.49	0.41	0.523	-0.01	0.78	0.378	
85	MC	346	1287	-0.37	8.08	0.004	-0.44	0.47	0.494	0.00	0.01	0.911	
86	MC	346	1287	0.15	1.29	0.256	-1.11	2.82	0.093	0.02	3.83	0.050	Uniform<
87	MC	346	1287	0.12	0.84	0.358	-0.47	0.47	0.491	0.01	0.78	0.377	
88	MC	346	1287	0.10	0.49	0.485	1.94	7.52	0.006	-0.03	7.05	0.008	
89	MC	346	1287	0.18	1.96	0.162	0.29	0.19	0.662	0.00	0.03	0.868	NonUniform
90	MC	346	1287	0.00	0.00	0.981	0.11	0.02	0.878	0.00	0.03	0.872	
91	MC	346	1287	0.15	0.86	0.353	0.50	0.47	0.495	-0.01	0.24	0.623	
92	MC	346	1287	-0.09	0.44	0.509	0.11	0.03	0.864	0.00	0.11	0.746	
93	MC	346	1287	0.13	0.82	0.364	1.13	2.95	0.086	-0.02	2.41	0.120	
94	MC	346	1287	-0.13	1.01	0.314	-0.32	0.22	0.638	0.00	0.08	0.780	
95	MC	346	1287	0.38	8.28	0.004	1.36	4.85	0.028	-0.02	2.60	0.107	Uniform>
96	MC	346	1287	-0.12	0.60	0.438	1.42	4.33	0.038	-0.03	5.19	0.023	
97	MC	346	1287	0.17	1.44	0.230	0.22	0.11	0.744	0.00	0.01	0.939	
98	MC	346	1287	-0.05	0.14	0.708	-0.42	0.40	0.527	0.01	0.32	0.570	
99	MC	346	1287	0.09	0.42	0.518	0.13	0.03	0.857	0.00	0.00	0.956	
100	SA1	1334	5334	0.02	0.11	0.739	-0.29	0.77	0.379	0.01	0.94	0.331	
101	SA1	1334	5334	-0.33	12.01	0.001	-1.23	4.52	0.033	0.01	2.50	0.114	Uniform<
102	SA1	361	1292	0.08	0.37	0.543	-0.64	0.90	0.342	0.01	1.20	0.273	
103	SA1	361	1292	0.10	0.54	0.463	-0.77	1.26	0.261	0.01	1.68	0.196	
104	SA1	361	1292	-0.43	6.23	0.013	-1.00	0.93	0.336	0.01	0.30	0.581	Uniform<
105	SA1	361	1292	-0.87	11.70	0.001	-0.78	0.28	0.594	0.00	0.00	0.949	
106	SA1	326	1367	-0.06	0.12	0.734	-0.68	0.62	0.432	0.01	0.54	0.461	
107	SA1	326	1367	-0.61	3.09	0.079	-0.34	0.04	0.835	0.00	0.03	0.863	
108	SA1	326	1367	-0.37	2.93	0.087	-0.74	0.31	0.576	0.01	0.08	0.773	
109	SA1	326	1367	-0.54	4.16	0.041	-2.16	1.85	0.174	0.02	1.11	0.293	
110	SA1	301	1388	0.16	1.08	0.298	-0.12	0.03	0.867	0.00	0.16	0.691	
111	SA1	301	1388	-0.17	1.44	0.230	-1.18	2.97	0.085	0.02	2.30	0.129	
112	SA1	301	1388	-0.34	4.51	0.034	-1.77	3.05	0.081	0.02	2.07	0.151	
113	SA1	301	1388	-0.50	6.31	0.012	-3.32	6.33	0.012	0.04	4.86	0.028	
114	SA1	346	1287	0.03	0.04	0.844	0.65	0.96	0.328	-0.01	0.92	0.338	
115	SA1	346	1287	-0.13	1.00	0.318	0.08	0.02	0.894	0.00	0.12	0.726	
116	SA1	346	1287	-0.15	0.75	0.386	-1.38	1.62	0.203	0.02	1.33	0.248	
117	SA1	346	1287	-0.26	2.29	0.130	-1.30	1.46	0.226	0.02	0.96	0.326	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.153: Logistic Regression DIF Results on Stage III Reading Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	5436	1232	-0.15	3.08	0.079	-0.06	0.02	0.887	0.00	0.05	0.825	
2	MC	5436	1232	-0.15	4.72	0.030	-0.29	0.68	0.410	0.00	0.17	0.676	
3	MC	5436	1232	0.13	2.50	0.114	-0.40	0.89	0.346	0.01	1.63	0.202	
4	MC	5436	1232	-0.10	2.37	0.124	-0.74	5.01	0.025	0.01	3.86	0.049	
5	MC	5436	1232	-0.06	0.72	0.397	-0.46	1.58	0.209	0.01	1.25	0.264	
6	MC	5436	1232	0.04	0.28	0.594	-0.19	0.32	0.572	0.00	0.48	0.490	
7	MC	5436	1232	0.06	0.70	0.402	-0.05	0.02	0.899	0.00	0.08	0.776	
8	MC	1376	277	-0.06	0.12	0.725	-0.03	0.00	0.970	0.00	0.00	0.962	
9	MC	1376	277	-0.07	0.17	0.677	0.07	0.01	0.939	0.00	0.03	0.872	
10	MC	1376	277	-0.16	1.30	0.253	-1.99	8.68	0.003	0.03	7.64	0.006	NonUniform
11	MC	1376	277	0.05	0.13	0.716	0.05	0.01	0.941	0.00	0.00	1.000	
12	MC	1376	277	-0.26	3.29	0.070	0.00	0.00	0.997	0.00	0.13	0.721	
13	MC	1376	277	-0.06	0.13	0.717	-2.30	8.61	0.003	0.04	8.66	0.003	NonUniform
14	MC	1376	277	0.01	0.00	0.967	0.47	0.28	0.594	-0.01	0.28	0.594	
15	MC	1376	277	-0.05	0.08	0.781	0.03	0.00	0.968	0.00	0.01	0.926	
16	MC	1376	277	-0.07	0.19	0.662	-0.44	0.32	0.569	0.01	0.24	0.622	
17	MC	1376	277	0.07	0.14	0.711	-0.27	0.11	0.740	0.01	0.18	0.673	
18	MC	1376	277	0.24	2.90	0.089	1.72	5.26	0.022	-0.02	4.10	0.043	
19	MC	1376	277	-0.22	2.45	0.117	0.91	1.54	0.215	-0.02	2.52	0.112	
20	MC	1376	277	-0.16	1.17	0.280	-0.13	0.02	0.875	0.00	0.00	0.964	
21	MC	1376	277	0.01	0.00	0.970	-0.28	0.16	0.692	0.00	0.17	0.681	
22	MC	1376	277	0.16	1.16	0.281	0.18	0.05	0.822	0.00	0.00	0.973	
23	MC	1376	277	-0.21	2.18	0.139	-0.32	0.21	0.647	0.00	0.03	0.867	
24	MC	1376	277	-0.10	0.45	0.501	0.22	0.08	0.783	0.00	0.16	0.688	
25	MC	1376	277	0.18	1.58	0.209	-0.22	0.09	0.764	0.01	0.30	0.583	
26	MC	1376	277	-0.28	3.67	0.055	-1.39	3.40	0.065	0.02	2.25	0.134	
27	MC	1376	277	-0.12	0.68	0.411	-0.32	0.16	0.686	0.00	0.07	0.797	
28	MC	1376	277	-0.01	0.00	0.959	0.60	0.65	0.419	-0.01	0.69	0.405	
29	MC	1376	277	-0.02	0.02	0.876	1.05	1.39	0.238	-0.02	1.50	0.220	
30	MC	1376	277	0.11	0.59	0.444	-0.21	0.10	0.749	0.00	0.25	0.619	
31	MC	1335	358	-0.33	2.83	0.092	1.13	2.43	0.119	-0.03	4.30	0.038	
32	MC	1335	358	-0.19	1.49	0.222	-1.61	5.56	0.018	0.02	4.55	0.033	
33	MC	1335	358	-0.04	0.09	0.758	-0.70	1.51	0.219	0.01	1.42	0.234	
34	MC	1335	358	-0.11	0.70	0.403	-0.18	0.09	0.765	0.00	0.02	0.902	
35	MC	1335	358	-0.15	1.34	0.247	0.86	1.41	0.234	-0.02	2.03	0.155	
36	MC	1335	358	0.16	1.06	0.304	-0.73	0.84	0.358	0.01	1.30	0.255	
37	MC	1335	358	-0.07	0.30	0.584	0.09	0.01	0.903	0.00	0.05	0.817	
38	MC	1335	358	-0.25	2.26	0.133	0.31	0.19	0.660	-0.01	0.68	0.410	
39	MC	1335	358	0.15	1.23	0.268	0.10	0.02	0.894	0.00	0.00	0.950	
40	MC	1335	358	0.13	0.87	0.350	-0.93	2.00	0.158	0.02	2.69	0.101	
41	MC	1335	358	0.20	1.45	0.229	-0.62	0.82	0.365	0.01	1.51	0.219	
42	MC	1335	358	-0.12	0.87	0.352	-0.54	0.79	0.374	0.01	0.50	0.478	
43	MC	1335	358	0.20	2.31	0.128	1.42	3.54	0.060	-0.02	2.73	0.099	
44	MC	1335	358	-0.04	0.09	0.763	-0.95	2.21	0.137	0.01	2.11	0.146	
45	MC	1335	358	-0.08	0.35	0.552	-1.37	3.96	0.047	0.02	3.63	0.057	
46	MC	1335	358	0.04	0.09	0.767	0.13	0.03	0.853	0.00	0.02	0.894	
47	MC	1335	358	-0.18	1.91	0.167	0.19	0.08	0.780	-0.01	0.31	0.581	
48	MC	1335	358	-0.23	3.34	0.068	0.20	0.10	0.750	-0.01	0.47	0.491	
49	MC	1335	358	0.14	1.21	0.272	-0.05	0.01	0.938	0.00	0.09	0.760	
50	MC	1335	358	-0.28	4.14	0.042	-0.81	1.47	0.226	0.01	0.65	0.421	
51	MC	1335	358	-0.10	0.62	0.432	-0.53	0.79	0.375	0.01	0.54	0.463	
52	MC	1335	358	-0.05	0.12	0.724	-1.73	7.66	0.006	0.03	7.49	0.006	NonUniform
53	MC	1335	358	0.00	0.00	0.984	-0.43	0.47	0.492	0.01	0.50	0.480	
54	MC	1369	320	-0.42	6.50	0.011	0.33	0.20	0.651	-0.01	1.10	0.294	
55	MC	1369	320	-0.12	0.86	0.355	-0.29	0.20	0.657	0.00	0.07	0.790	
56	MC	1369	320	-0.01	0.01	0.922	-1.13	2.43	0.119	0.02	2.47	0.116	
57	MC	1369	320	0.03	0.05	0.824	0.24	0.14	0.712	0.00	0.11	0.741	
58	MC	1369	320	0.26	3.78	0.052	-0.27	0.15	0.700	0.01	0.58	0.445	
59	MC	1369	320	-0.09	0.32	0.574	0.05	0.00	0.948	0.00	0.03	0.860	
60	MC	1369	320	-0.05	0.13	0.715	-0.43	0.32	0.569	0.01	0.26	0.608	
61	MC	1369	320	-0.27	4.11	0.043	-0.89	1.66	0.197	0.01	0.84	0.360	
62	MC	1369	320	0.20	2.42	0.120	-0.35	0.33	0.566	0.01	0.84	0.359	
63	MC	1369	320	0.00	0.00	0.973	-0.62	0.80	0.371	0.01	0.82	0.366	
64	MC	1369	320	-0.04	0.09	0.763	0.29	0.13	0.720	-0.01	0.17	0.678	
65	MC	1369	320	0.12	0.67	0.413	-0.49	0.44	0.505	0.01	0.70	0.403	
66	MC	1369	320	0.00	0.00	0.992	-0.52	0.56	0.456	0.01	0.58	0.446	
67	MC	1369	320	-0.11	0.67	0.412	-0.40	0.36	0.548	0.00	0.20	0.654	
68	MC	1369	320	-0.17	1.46	0.226	1.42	2.49	0.114	-0.02	3.20	0.074	
69	MC	1369	320	-0.09	0.39	0.532	-1.06	2.00	0.157	0.02	1.74	0.187	
70	MC	1369	320	-0.13	0.93	0.334	0.41	0.33	0.566	-0.01	0.60	0.439	

**Table F.153: Logistic Regression DIF Results on Stage III Reading Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	1369	320	0.02	0.01	0.914	-0.22	0.08	0.775	0.00	0.10	0.756	NonUniform
72	MC	1369	320	0.08	0.28	0.594	-0.04	0.00	0.953	0.00	0.03	0.871	
73	MC	1369	320	0.06	0.16	0.686	0.83	1.28	0.258	-0.01	1.16	0.281	
74	MC	1369	320	0.10	0.59	0.444	0.98	2.27	0.131	-0.01	1.93	0.165	
75	MC	1369	320	-0.03	0.05	0.818	1.19	2.66	0.103	-0.02	2.93	0.087	
76	MC	1369	320	0.17	1.69	0.193	-0.05	0.01	0.943	0.00	0.10	0.749	
77	MC	1356	277	0.02	0.01	0.940	-0.45	0.19	0.660	0.01	0.22	0.637	
78	MC	1356	277	0.03	0.04	0.845	-0.50	0.37	0.545	0.01	0.43	0.513	
79	MC	1356	277	0.21	1.83	0.176	2.40	5.01	0.025	-0.04	4.24	0.039	
80	MC	1356	277	0.00	0.00	0.975	0.03	0.00	0.969	0.00	0.00	0.963	
81	MC	1356	277	-0.15	1.26	0.262	-0.47	0.46	0.498	0.01	0.22	0.641	
82	MC	1356	277	-0.06	0.17	0.676	2.52	6.27	0.012	-0.04	6.75	0.009	
83	MC	1356	277	0.07	0.17	0.677	-0.39	0.20	0.656	0.01	0.28	0.597	
84	MC	1356	277	0.13	0.59	0.441	0.72	0.53	0.468	-0.01	0.36	0.547	
85	MC	1356	277	0.23	2.46	0.117	0.39	0.25	0.616	0.00	0.04	0.835	
86	MC	1356	277	0.12	0.66	0.415	-0.15	0.04	0.841	0.00	0.13	0.715	
87	MC	1356	277	-0.31	4.99	0.026	0.10	0.02	0.901	-0.01	0.29	0.591	
88	MC	1356	277	0.03	0.06	0.811	0.48	0.29	0.587	-0.01	0.26	0.609	
89	MC	1356	277	0.13	0.92	0.337	0.80	0.96	0.327	-0.01	0.69	0.407	
90	MC	1356	277	-0.04	0.09	0.761	-0.23	0.08	0.776	0.00	0.06	0.813	
91	MC	1356	277	-0.04	0.07	0.797	1.00	1.22	0.269	-0.02	1.41	0.235	
92	MC	1356	277	0.14	0.85	0.358	0.13	0.03	0.854	0.00	0.00	0.998	
93	MC	1356	277	-0.20	1.88	0.170	-0.75	1.02	0.313	0.01	0.58	0.448	
94	MC	1356	277	-0.13	0.83	0.363	0.10	0.02	0.895	0.00	0.09	0.763	
95	MC	1356	277	-0.26	3.49	0.062	0.08	0.01	0.917	-0.01	0.23	0.634	
96	MC	1356	277	0.00	0.00	0.996	0.08	0.01	0.916	0.00	0.01	0.914	
97	MC	1356	277	0.10	0.42	0.516	0.90	1.11	0.293	-0.01	0.91	0.340	
98	MC	1356	277	0.17	1.27	0.260	0.32	0.17	0.681	0.00	0.04	0.841	
99	MC	1356	277	0.22	2.37	0.123	1.70	3.67	0.056	-0.02	2.88	0.090	
100	SA1	5436	1232	0.10	1.94	0.164	0.83	5.64	0.018	-0.01	4.55	0.033	
101	SA1	5436	1232	-0.02	0.04	0.834	0.31	0.33	0.568	0.00	0.37	0.541	
102	SA1	1376	277	-0.10	0.39	0.532	0.75	0.96	0.328	-0.01	1.27	0.259	
103	SA1	1376	277	0.04	0.08	0.782	-1.16	2.79	0.095	0.02	3.08	0.079	
104	SA1	1376	277	-0.24	2.31	0.129	-1.32	2.06	0.151	0.02	1.42	0.234	
105	SA1	1376	277	0.02	0.01	0.932	0.22	0.03	0.860	0.00	0.03	0.869	
106	SA1	1335	358	-0.07	0.25	0.620	0.72	0.75	0.388	-0.01	0.94	0.331	
107	SA1	1335	358	-0.50	4.46	0.035	1.14	0.83	0.364	-0.02	1.83	0.176	
108	SA1	1335	358	0.03	0.02	0.880	-1.96	3.23	0.072	0.03	3.34	0.067	
109	SA1	1335	358	-0.16	0.75	0.385	0.08	0.00	0.951	0.00	0.04	0.844	
110	SA1	1369	320	-0.18	1.59	0.207	0.63	0.67	0.413	-0.01	1.16	0.282	
111	SA1	1369	320	-0.16	1.49	0.222	-0.76	1.44	0.229	0.01	0.95	0.330	
112	SA1	1369	320	0.15	1.12	0.290	0.21	0.05	0.823	0.00	0.00	0.951	
113	SA1	1369	320	-0.11	0.49	0.485	0.99	0.94	0.332	-0.02	1.19	0.275	
114	SA1	1356	277	0.00	0.00	0.991	0.47	0.35	0.553	-0.01	0.37	0.545	
115	SA1	1356	277	0.07	0.27	0.606	-0.85	1.44	0.230	0.01	1.75	0.186	
116	SA1	1356	277	-0.23	2.08	0.150	0.47	0.19	0.660	-0.01	0.44	0.505	
117	SA1	1356	277	-0.15	0.85	0.357	-0.30	0.09	0.771	0.00	0.02	0.882	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.154: Logistic Regression DIF Results on Stage III Reading Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	5436	671	-0.06	0.29	0.593	0.45	0.57	0.449	-0.01	0.75	0.387	
2	MC	5436	671	-0.17	3.91	0.048	-0.68	2.11	0.147	0.01	1.22	0.269	
3	MC	5436	671	0.18	3.00	0.083	-0.18	0.09	0.764	0.01	0.38	0.537	
4	MC	5436	671	0.12	1.94	0.164	-0.40	0.70	0.403	0.01	1.23	0.268	
5	MC	5436	671	0.00	0.00	0.976	0.29	0.31	0.577	0.00	0.33	0.568	
6	MC	5436	671	0.12	1.51	0.219	0.15	0.09	0.767	0.00	0.00	0.947	
7	MC	5436	671	0.18	4.13	0.042	0.43	0.66	0.416	0.00	0.23	0.633	
8	MC	1376	155	-0.33	1.77	0.183	0.16	0.02	0.877	-0.01	0.23	0.632	
9	MC	1376	155	0.07	0.10	0.748	-0.31	0.08	0.772	0.01	0.13	0.719	
10	MC	1376	155	-0.17	0.90	0.344	-2.32	7.52	0.006	0.03	6.72	0.010	NonUniform
11	MC	1376	155	0.08	0.20	0.658	-0.30	0.12	0.731	0.01	0.20	0.657	
12	MC	1376	155	-0.27	2.13	0.144	0.16	0.03	0.862	-0.01	0.22	0.642	
13	MC	1376	155	0.26	1.44	0.230	-2.17	5.05	0.025	0.04	6.68	0.010	NonUniform
14	MC	1376	155	0.12	0.41	0.520	1.61	1.63	0.201	-0.02	1.43	0.232	
15	MC	1376	155	-0.06	0.08	0.783	0.10	0.01	0.931	0.00	0.02	0.890	
16	MC	1376	155	-0.12	0.41	0.523	-0.39	0.15	0.700	0.00	0.07	0.789	
17	MC	1376	155	0.04	0.03	0.865	-0.08	0.01	0.937	0.00	0.01	0.906	
18	MC	1376	155	0.32	3.02	0.082	1.53	2.49	0.114	-0.02	1.64	0.200	
19	MC	1376	155	-0.26	1.99	0.158	-0.31	0.13	0.720	0.00	0.00	0.950	
20	MC	1376	155	0.03	0.02	0.888	-0.38	0.14	0.705	0.01	0.17	0.680	
21	MC	1376	155	0.02	0.01	0.903	-1.29	2.12	0.145	0.02	2.26	0.133	
22	MC	1376	155	0.46	5.55	0.018	-0.13	0.01	0.903	0.01	0.32	0.574	
23	MC	1376	155	-0.25	1.90	0.168	-1.63	3.83	0.050	0.02	2.86	0.091	
24	MC	1376	155	0.15	0.67	0.412	0.03	0.00	0.974	0.00	0.01	0.906	
25	MC	1376	155	0.49	6.74	0.009	1.23	1.24	0.265	-0.01	0.47	0.494	Uniform>
26	MC	1376	155	-0.02	0.01	0.913	-1.45	2.21	0.137	0.02	2.20	0.138	
27	MC	1376	155	-0.06	0.10	0.755	0.31	0.08	0.775	-0.01	0.12	0.729	
28	MC	1376	155	0.32	3.15	0.076	0.17	0.03	0.859	0.00	0.03	0.868	
29	MC	1376	155	0.13	0.48	0.488	1.28	1.16	0.282	-0.02	0.96	0.327	
30	MC	1376	155	0.04	0.05	0.818	-0.79	0.93	0.335	0.01	1.07	0.301	
31	MC	1335	180	-0.29	1.20	0.273	0.59	0.21	0.649	-0.02	0.48	0.490	
32	MC	1335	180	0.35	3.23	0.072	0.98	0.66	0.415	-0.01	0.28	0.598	
33	MC	1335	180	-0.12	0.48	0.490	-0.77	0.71	0.400	0.01	0.53	0.468	
34	MC	1335	180	-0.13	0.59	0.443	0.53	0.29	0.590	-0.01	0.47	0.494	
35	MC	1335	180	-0.14	0.70	0.403	0.85	0.66	0.416	-0.02	0.93	0.335	
36	MC	1335	180	0.25	1.62	0.203	-0.49	0.17	0.677	0.01	0.42	0.518	
37	MC	1335	180	-0.14	0.65	0.421	1.82	2.42	0.120	-0.03	2.93	0.087	
38	MC	1335	180	-0.26	1.45	0.228	1.08	0.83	0.363	-0.02	1.36	0.243	
39	MC	1335	180	0.10	0.37	0.542	0.86	0.59	0.443	-0.01	0.47	0.495	
40	MC	1335	180	0.32	3.28	0.070	-0.04	0.00	0.970	0.01	0.13	0.723	
41	MC	1335	180	0.21	0.81	0.368	0.61	0.24	0.622	-0.01	0.11	0.738	
42	MC	1335	180	-0.11	0.41	0.524	0.79	0.62	0.432	-0.01	0.82	0.366	
43	MC	1335	180	0.23	1.82	0.177	1.62	2.13	0.144	-0.02	1.62	0.203	
44	MC	1335	180	0.16	0.85	0.357	2.40	4.05	0.044	-0.03	3.63	0.057	
45	MC	1335	180	0.25	1.99	0.158	-0.21	0.04	0.843	0.01	0.19	0.665	
46	MC	1335	180	0.18	1.09	0.296	-0.34	0.11	0.735	0.01	0.27	0.601	
47	MC	1335	180	-0.18	1.16	0.281	0.44	0.19	0.665	-0.01	0.39	0.533	
48	MC	1335	180	-0.27	2.63	0.105	0.96	0.91	0.339	-0.02	1.54	0.215	
49	MC	1335	180	0.39	4.95	0.026	0.63	0.38	0.539	0.00	0.06	0.809	
50	MC	1335	180	-0.05	0.06	0.802	0.99	0.78	0.376	-0.02	0.88	0.349	
51	MC	1335	180	-0.05	0.07	0.785	0.22	0.05	0.825	0.00	0.07	0.785	
52	MC	1335	180	0.08	0.23	0.630	-0.38	0.14	0.712	0.01	0.21	0.648	
53	MC	1335	180	-0.11	0.41	0.524	-0.15	0.02	0.874	0.00	0.00	0.964	
54	MC	1369	166	-0.39	3.30	0.069	0.72	0.39	0.532	-0.02	0.95	0.329	
55	MC	1369	166	0.07	0.18	0.675	0.57	0.34	0.558	-0.01	0.27	0.602	
56	MC	1369	166	0.09	0.24	0.623	-0.40	0.14	0.704	0.01	0.23	0.634	
57	MC	1369	166	-0.03	0.04	0.851	1.77	2.92	0.087	-0.03	3.10	0.078	
58	MC	1369	166	0.27	2.29	0.130	0.34	0.11	0.744	0.00	0.00	0.945	
59	MC	1369	166	-0.02	0.01	0.914	-0.18	0.03	0.869	0.00	0.02	0.882	
60	MC	1369	166	0.14	0.61	0.434	-0.13	0.01	0.905	0.00	0.07	0.799	
61	MC	1369	166	-0.39	4.97	0.026	0.75	0.51	0.473	-0.02	1.21	0.271	
62	MC	1369	166	0.21	1.52	0.218	0.02	0.00	0.980	0.00	0.04	0.836	
63	MC	1369	166	-0.20	1.30	0.254	-0.07	0.01	0.942	0.00	0.02	0.898	
64	MC	1369	166	-0.04	0.05	0.830	0.49	0.19	0.661	-0.01	0.23	0.632	
65	MC	1369	166	0.03	0.03	0.865	-0.82	0.65	0.418	0.01	0.72	0.395	
66	MC	1369	166	0.01	0.01	0.942	-1.20	1.60	0.205	0.02	1.70	0.192	
67	MC	1369	166	0.13	0.57	0.452	0.64	0.40	0.527	-0.01	0.26	0.609	
68	MC	1369	166	-0.07	0.16	0.687	2.51	3.71	0.054	-0.04	4.02	0.045	
69	MC	1369	166	0.00	0.00	0.995	-0.85	0.67	0.412	0.01	0.70	0.404	
70	MC	1369	166	-0.07	0.16	0.691	2.01	3.28	0.070	-0.03	3.68	0.055	

**Table F.154: Logistic Regression DIF Results on Stage III Reading Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	1369	166	-0.14	0.63	0.426	-0.93	0.85	0.356	0.01	0.63	0.429	NonUniform
72	MC	1369	166	0.33	2.77	0.096	-0.56	0.27	0.605	0.01	0.68	0.409	
73	MC	1369	166	0.25	1.67	0.196	0.80	0.55	0.458	-0.01	0.27	0.600	
74	MC	1369	166	0.32	3.02	0.082	1.36	1.85	0.174	-0.02	1.14	0.285	
75	MC	1369	166	0.11	0.41	0.523	2.25	4.11	0.043	-0.03	3.88	0.049	
76	MC	1369	166	0.24	1.93	0.164	-0.24	0.06	0.810	0.01	0.24	0.621	
77	MC	1356	170	0.13	0.19	0.660	0.26	0.04	0.850	0.00	0.01	0.921	
78	MC	1356	170	0.02	0.01	0.909	-0.07	0.00	0.951	0.00	0.01	0.934	
79	MC	1356	170	0.29	2.25	0.134	4.46	7.64	0.006	-0.07	6.74	0.009	
80	MC	1356	170	0.09	0.30	0.586	0.31	0.10	0.747	0.00	0.05	0.818	
81	MC	1356	170	-0.08	0.25	0.616	-0.94	1.14	0.285	0.01	0.99	0.321	
82	MC	1356	170	0.09	0.26	0.609	2.99	5.13	0.024	-0.05	4.95	0.026	
83	MC	1356	170	0.21	1.18	0.277	0.11	0.01	0.925	0.00	0.01	0.931	
84	MC	1356	170	0.27	1.66	0.197	1.27	0.93	0.334	-0.02	0.60	0.440	
85	MC	1356	170	0.21	1.33	0.249	0.76	0.55	0.456	-0.01	0.30	0.582	
86	MC	1356	170	0.26	1.98	0.159	-0.64	0.44	0.508	0.01	0.88	0.348	
87	MC	1356	170	-0.09	0.27	0.601	2.40	4.42	0.036	-0.04	4.89	0.027	
88	MC	1356	170	0.22	1.54	0.215	-0.09	0.01	0.935	0.00	0.08	0.773	
89	MC	1356	170	0.34	3.82	0.051	1.67	2.25	0.134	-0.02	1.47	0.225	
90	MC	1356	170	0.22	1.59	0.208	0.80	0.50	0.479	-0.01	0.27	0.605	
91	MC	1356	170	0.04	0.04	0.852	1.62	1.72	0.189	-0.02	1.74	0.187	
92	MC	1356	170	0.04	0.04	0.844	-0.60	0.42	0.515	0.01	0.49	0.485	
93	MC	1356	170	-0.31	3.25	0.072	-0.53	0.31	0.576	0.00	0.06	0.814	
94	MC	1356	170	-0.06	0.13	0.718	0.19	0.04	0.844	0.00	0.07	0.792	
95	MC	1356	170	-0.30	3.01	0.083	-0.94	1.07	0.301	0.01	0.51	0.474	
96	MC	1356	170	0.13	0.41	0.521	0.62	0.33	0.567	-0.01	0.22	0.641	
97	MC	1356	170	0.00	0.00	0.988	0.99	0.84	0.359	-0.02	0.87	0.350	
98	MC	1356	170	-0.05	0.08	0.782	0.75	0.57	0.449	-0.01	0.68	0.411	
99	MC	1356	170	0.32	3.18	0.074	1.81	2.49	0.115	-0.02	1.74	0.187	
100	SA1	5436	671	0.02	0.06	0.806	1.00	3.90	0.048	-0.02	3.83	0.050	
101	SA1	5436	671	-0.03	0.06	0.803	0.74	1.02	0.312	-0.01	1.13	0.288	
102	SA1	1376	155	-0.12	0.36	0.548	1.06	1.06	0.303	-0.02	1.36	0.243	
103	SA1	1376	155	-0.12	0.42	0.514	-1.42	2.71	0.100	0.02	2.35	0.125	
104	SA1	1376	155	0.05	0.06	0.809	-1.02	0.67	0.412	0.02	0.76	0.384	
105	SA1	1376	155	-0.06	0.05	0.819	-1.22	0.72	0.397	0.02	0.66	0.416	
106	SA1	1335	180	0.05	0.07	0.793	0.23	0.03	0.853	0.00	0.02	0.886	
107	SA1	1335	180	-0.44	1.98	0.159	0.58	0.10	0.747	-0.02	0.34	0.560	
108	SA1	1335	180	0.16	0.51	0.473	-0.85	0.27	0.606	0.01	0.38	0.536	
109	SA1	1335	180	-0.16	0.42	0.517	0.33	0.04	0.846	-0.01	0.08	0.772	
110	SA1	1369	166	-0.13	0.47	0.491	0.03	0.00	0.980	0.00	0.02	0.880	
111	SA1	1369	166	-0.15	0.83	0.361	-0.94	1.06	0.303	0.01	0.77	0.382	
112	SA1	1369	166	-0.09	0.26	0.610	-0.53	0.21	0.646	0.01	0.15	0.703	
113	SA1	1369	166	-0.15	0.61	0.433	1.57	1.26	0.261	-0.02	1.58	0.209	
114	SA1	1356	170	0.18	1.11	0.292	1.68	2.32	0.128	-0.02	1.90	0.168	
115	SA1	1356	170	0.21	1.53	0.217	-0.64	0.47	0.492	0.01	0.86	0.352	
116	SA1	1356	170	-0.17	0.70	0.401	0.91	0.43	0.512	-0.02	0.62	0.431	
117	SA1	1356	170	-0.08	0.16	0.689	1.95	1.69	0.194	-0.03	1.89	0.169	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.155: Logistic Regression DIF Results on Stage III Reading Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	561	671	0.21	1.88	0.170	0.89	1.45	0.229	-0.01	0.88	0.349	Uniform>
2	MC	561	671	-0.05	0.20	0.658	-0.79	1.53	0.216	0.01	1.38	0.240	
3	MC	561	671	0.11	0.52	0.473	0.42	0.31	0.580	-0.01	0.18	0.675	
4	MC	561	671	0.48	16.15	0.000	0.66	1.24	0.266	0.00	0.10	0.757	
5	MC	561	671	0.12	0.99	0.319	1.40	4.52	0.033	-0.02	3.89	0.048	
6	MC	561	671	0.16	1.64	0.200	0.62	0.99	0.320	-0.01	0.55	0.456	
7	MC	561	671	0.27	4.81	0.028	0.95	1.93	0.164	-0.01	1.01	0.315	
8	MC	122	155	-0.59	3.02	0.082	0.04	0.00	0.980	-0.01	0.21	0.644	
9	MC	122	155	0.36	1.19	0.275	-0.84	0.25	0.616	0.02	0.53	0.466	
10	MC	122	155	0.05	0.04	0.833	-0.71	0.34	0.558	0.01	0.42	0.519	
11	MC	122	155	0.07	0.06	0.800	-0.75	0.35	0.554	0.01	0.43	0.511	Uniform>
12	MC	122	155	-0.03	0.02	0.898	0.34	0.07	0.798	-0.01	0.08	0.774	
13	MC	122	155	0.83	6.28	0.012	0.48	0.12	0.733	0.01	0.06	0.799	
14	MC	122	155	0.26	0.88	0.349	2.42	2.22	0.136	-0.03	1.82	0.178	
15	MC	122	155	-0.03	0.01	0.923	0.12	0.01	0.940	0.00	0.01	0.924	
16	MC	122	155	-0.12	0.18	0.667	0.03	0.00	0.984	0.00	0.01	0.915	
17	MC	122	155	-0.05	0.02	0.888	0.38	0.07	0.798	-0.01	0.09	0.769	
18	MC	122	155	0.12	0.20	0.654	-0.33	0.06	0.814	0.01	0.11	0.744	
19	MC	122	155	-0.14	0.27	0.603	-3.35	5.03	0.025	0.05	4.88	0.027	
20	MC	122	155	0.46	2.64	0.104	-0.38	0.07	0.796	0.01	0.33	0.565	Uniform>
21	MC	122	155	0.05	0.04	0.850	-2.36	2.92	0.088	0.04	3.22	0.073	
22	MC	122	155	0.66	5.99	0.014	-0.33	0.05	0.827	0.01	0.45	0.504	
23	MC	122	155	-0.09	0.13	0.719	-3.52	6.20	0.013	0.05	6.19	0.013	
24	MC	122	155	0.57	4.44	0.035	-0.11	0.01	0.939	0.01	0.22	0.641	
25	MC	122	155	0.69	7.00	0.008	3.09	4.98	0.026	-0.04	3.12	0.077	
26	MC	122	155	0.59	5.12	0.024	0.19	0.02	0.884	0.01	0.09	0.764	
27	MC	122	155	0.14	0.30	0.584	1.39	0.95	0.330	-0.02	0.79	0.375	
28	MC	122	155	0.75	8.03	0.005	-0.63	0.20	0.651	0.02	1.01	0.314	
29	MC	122	155	0.32	1.33	0.249	0.72	0.19	0.662	-0.01	0.06	0.806	Uniform>
30	MC	122	155	-0.14	0.29	0.591	-1.45	1.38	0.239	0.02	1.19	0.275	
31	MC	178	180	0.33	0.68	0.411	-0.90	0.37	0.541	0.02	0.75	0.386	
32	MC	178	180	1.15	14.29	0.000	3.38	6.61	0.010	-0.04	3.07	0.080	
33	MC	178	180	-0.19	0.67	0.413	-0.10	0.01	0.925	0.00	0.01	0.932	
34	MC	178	180	-0.05	0.05	0.820	1.06	0.89	0.347	-0.02	1.02	0.313	
35	MC	178	180	0.02	0.01	0.919	-0.01	0.00	0.992	0.00	0.00	0.977	
36	MC	178	180	0.18	0.43	0.513	0.40	0.08	0.776	0.00	0.03	0.872	
37	MC	178	180	-0.14	0.35	0.553	2.63	3.92	0.048	-0.04	4.54	0.033	
38	MC	178	180	0.00	0.00	0.995	1.08	0.67	0.411	-0.02	0.72	0.397	NonUniform Uniform>
39	MC	178	180	-0.09	0.14	0.707	1.25	0.86	0.354	-0.02	1.01	0.314	
40	MC	178	180	0.36	2.28	0.131	1.33	1.27	0.260	-0.02	0.70	0.402	
41	MC	178	180	-0.06	0.03	0.856	1.69	1.54	0.215	-0.03	1.77	0.183	
42	MC	178	180	0.01	0.00	0.966	1.97	2.97	0.085	-0.03	3.07	0.080	
43	MC	178	180	0.08	0.12	0.727	0.37	0.07	0.792	0.00	0.04	0.836	
44	MC	178	180	0.37	2.62	0.106	4.69	13.17	0.000	-0.07	11.65	0.001	
45	MC	178	180	0.64	7.39	0.007	1.72	1.95	0.163	-0.02	0.80	0.372	
46	MC	178	180	0.30	1.65	0.199	-0.82	0.41	0.520	0.02	0.80	0.372	
47	MC	178	180	-0.01	0.00	0.981	0.40	0.11	0.738	-0.01	0.12	0.730	
48	MC	178	180	-0.07	0.11	0.739	1.18	1.00	0.317	-0.02	1.17	0.279	NonUniform Uniform>
49	MC	178	180	0.49	4.57	0.033	1.00	0.72	0.395	-0.01	0.20	0.656	
50	MC	178	180	0.49	3.83	0.050	2.60	4.32	0.038	-0.03	2.96	0.085	
51	MC	178	180	0.10	0.18	0.671	1.10	0.98	0.323	-0.02	0.85	0.356	
52	MC	178	180	0.22	0.98	0.323	1.97	2.95	0.086	-0.03	2.44	0.118	
53	MC	178	180	-0.25	1.11	0.293	0.42	0.14	0.709	-0.01	0.37	0.543	
54	MC	154	166	0.08	0.07	0.791	0.60	0.19	0.664	-0.01	0.15	0.700	
55	MC	154	166	0.40	2.89	0.089	1.45	1.46	0.227	-0.02	0.80	0.372	
56	MC	154	166	0.20	0.63	0.427	1.25	0.92	0.336	-0.02	0.68	0.411	
57	MC	154	166	-0.13	0.31	0.578	2.44	3.92	0.048	-0.04	4.52	0.034	NonUniform Uniform>
58	MC	154	166	0.00	0.00	0.988	1.10	0.72	0.395	-0.02	0.74	0.388	
59	MC	154	166	0.14	0.27	0.606	-0.44	0.09	0.761	0.01	0.17	0.682	
60	MC	154	166	0.39	2.59	0.108	0.54	0.15	0.696	0.00	0.01	0.915	
61	MC	154	166	-0.25	1.12	0.290	2.75	4.81	0.028	-0.05	5.91	0.015	
62	MC	154	166	0.01	0.00	0.980	0.63	0.31	0.575	-0.01	0.32	0.570	
63	MC	154	166	-0.41	2.98	0.084	0.96	0.58	0.445	-0.02	1.23	0.267	
64	MC	154	166	0.01	0.00	0.981	0.38	0.07	0.794	-0.01	0.07	0.794	
65	MC	154	166	-0.18	0.52	0.471	-0.64	0.22	0.638	0.01	0.12	0.733	
66	MC	154	166	0.02	0.01	0.930	-1.30	1.05	0.306	0.02	1.12	0.289	NonUniform Uniform>
67	MC	154	166	0.48	4.24	0.039	1.69	1.94	0.164	-0.02	1.03	0.309	
68	MC	154	166	0.21	0.66	0.417	2.07	1.56	0.211	-0.03	1.29	0.255	
69	MC	154	166	0.17	0.52	0.472	0.39	0.08	0.771	0.00	0.03	0.871	
70	MC	154	166	0.13	0.27	0.603	2.67	4.05	0.044	-0.04	3.83	0.050	

**Table F.155: Logistic Regression DIF Results on Stage III Reading Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	154	166	-0.34	1.83	0.176	-1.54	1.15	0.284	0.02	0.72	0.396	NonUniform
72	MC	154	166	0.50	3.82	0.051	-0.90	0.42	0.515	0.02	1.05	0.305	
73	MC	154	166	0.40	2.49	0.115	-0.05	0.00	0.970	0.01	0.11	0.737	
74	MC	154	166	0.46	3.55	0.060	0.62	0.25	0.615	0.00	0.02	0.895	
75	MC	154	166	0.32	1.70	0.193	1.81	1.77	0.184	-0.02	1.25	0.264	
76	MC	154	166	0.15	0.39	0.533	-0.35	0.07	0.789	0.01	0.15	0.698	
77	MC	107	170	0.26	0.31	0.577	1.44	0.57	0.452	-0.02	0.41	0.522	
78	MC	107	170	-0.03	0.01	0.908	0.93	0.38	0.540	-0.02	0.42	0.517	
79	MC	107	170	0.24	0.56	0.454	4.07	3.98	0.046	-0.06	3.62	0.057	
80	MC	107	170	0.26	0.96	0.328	0.62	0.21	0.649	-0.01	0.07	0.788	
81	MC	107	170	0.18	0.49	0.482	-1.10	0.73	0.394	0.02	1.02	0.312	
82	MC	107	170	0.46	2.44	0.118	1.05	0.30	0.583	-0.01	0.10	0.754	
83	MC	107	170	0.37	1.53	0.216	1.06	0.43	0.511	-0.01	0.19	0.664	
84	MC	107	170	0.39	1.37	0.242	1.13	0.37	0.543	-0.01	0.16	0.686	
85	MC	107	170	-0.06	0.05	0.828	0.81	0.33	0.568	-0.01	0.39	0.532	
86	MC	107	170	0.35	1.71	0.192	-1.05	0.57	0.450	0.02	1.05	0.305	
87	MC	107	170	0.58	4.85	0.028	4.47	9.65	0.002	-0.06	7.62	0.006	
88	MC	107	170	0.52	3.43	0.064	-1.63	0.87	0.351	0.03	1.55	0.214	
89	MC	107	170	0.55	4.23	0.040	1.82	1.47	0.225	-0.02	0.74	0.388	
90	MC	107	170	0.69	6.52	0.011	2.09	1.95	0.163	-0.02	0.90	0.342	
91	MC	107	170	0.22	0.47	0.491	1.30	0.61	0.436	-0.02	0.43	0.510	
92	MC	107	170	-0.26	0.88	0.349	-1.75	1.58	0.209	0.02	1.20	0.274	
93	MC	107	170	-0.31	1.36	0.244	0.48	0.12	0.725	-0.01	0.35	0.555	
94	MC	107	170	0.17	0.43	0.510	0.22	0.02	0.877	0.00	0.00	0.973	
95	MC	107	170	-0.08	0.10	0.753	-2.49	3.11	0.078	0.04	3.05	0.081	
96	MC	107	170	0.31	1.19	0.275	1.12	0.59	0.441	-0.01	0.32	0.569	
97	MC	107	170	-0.27	0.80	0.372	0.19	0.01	0.907	-0.01	0.08	0.774	
98	MC	107	170	-0.62	4.45	0.035	1.01	0.47	0.494	-0.03	1.24	0.265	
99	MC	107	170	0.27	0.94	0.332	0.29	0.03	0.860	0.00	0.00	0.988	
100	SA1	561	671	-0.17	1.57	0.210	0.27	0.18	0.670	-0.01	0.49	0.483	
101	SA1	561	671	-0.03	0.03	0.861	0.87	0.79	0.375	-0.01	0.85	0.356	
102	SA1	122	155	-0.09	0.08	0.775	0.60	0.18	0.673	-0.01	0.24	0.621	
103	SA1	122	155	-0.30	1.32	0.251	-0.87	0.45	0.502	0.01	0.20	0.653	
104	SA1	122	155	0.63	4.95	0.026	0.96	0.35	0.552	0.00	0.04	0.832	
105	SA1	122	155	-0.17	0.23	0.633	-4.42	2.73	0.098	0.06	2.63	0.105	
106	SA1	178	180	0.26	0.97	0.324	-0.80	0.27	0.600	0.02	0.50	0.480	
107	SA1	178	180	0.14	0.13	0.719	-0.90	0.16	0.688	0.02	0.22	0.636	
108	SA1	178	180	0.28	0.95	0.331	1.88	0.96	0.327	-0.02	0.71	0.399	
109	SA1	178	180	0.00	0.00	0.990	0.47	0.05	0.829	-0.01	0.05	0.828	
110	SA1	154	166	0.11	0.20	0.656	-1.14	0.65	0.421	0.02	0.81	0.368	
111	SA1	154	166	0.00	0.00	0.989	-0.31	0.07	0.791	0.00	0.07	0.789	
112	SA1	154	166	-0.53	4.16	0.041	-2.05	1.29	0.257	0.02	0.72	0.395	
113	SA1	154	166	-0.11	0.16	0.690	1.16	0.39	0.532	-0.02	0.48	0.488	
114	SA1	107	170	0.48	3.34	0.068	2.50	2.94	0.086	-0.03	1.99	0.159	
115	SA1	107	170	0.35	1.85	0.173	0.45	0.12	0.726	0.00	0.01	0.935	
116	SA1	107	170	0.17	0.31	0.580	1.05	0.29	0.591	-0.01	0.21	0.648	
117	SA1	107	170	0.17	0.32	0.571	4.49	5.82	0.016	-0.06	5.53	0.019	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.156: Logistic Regression DIF Results on Stage III Reading Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUUni}$	Wald $\chi^2$	p-value	
1	MC	103	671	0.30	0.96	0.328	2.63	2.59	0.107	-0.04	2.16	0.142	
2	MC	103	671	0.21	0.91	0.340	-0.46	0.12	0.733	0.01	0.25	0.615	
3	MC	103	671	-0.11	0.15	0.699	0.26	0.02	0.876	-0.01	0.05	0.824	
4	MC	103	671	0.18	0.67	0.413	-1.44	1.02	0.311	0.02	1.33	0.248	
5	MC	103	671	-0.08	0.11	0.741	-2.49	2.06	0.151	0.04	1.97	0.160	
6	MC	103	671	-0.10	0.16	0.687	-0.86	0.34	0.561	0.01	0.27	0.600	
7	MC	103	671	0.01	0.00	0.949	1.47	1.17	0.278	-0.02	1.18	0.278	
8	MC	7	155	12.03	0.00	0.975	12.65	0.00	0.980	-0.06	0.00	0.994	
9	MC	7	155	13.50	0.00	0.977	14.46	0.00	0.970	-0.08	0.00	0.989	
10	MC	7	155	0.14	0.03	0.861	-6.49	1.21	0.271	0.10	1.28	0.258	
11	MC	7	155	0.80	0.83	0.363	-6.25	0.78	0.376	0.12	0.92	0.337	
12	MC	7	155	-0.43	0.24	0.622	2.32	0.25	0.616	-0.04	0.35	0.552	
13	MC	7	155	0.87	0.60	0.437	-0.78	0.01	0.907	0.03	0.06	0.805	
14	MC	7	155	-0.30	0.11	0.738	5.64	1.68	0.195	-0.09	1.87	0.172	
15	MC	7	155	-1.43	2.48	0.116	-8.60	0.72	0.397	0.10	0.53	0.467	
16	MC	7	155	1.27	1.25	0.264	-241.48	0.36	0.550	4.74	0.36	0.549	
17	MC	7	155	-12.33	0.00	0.976	-9.03	0.00	0.985	0.00	0.00	1.000	
18	MC	7	155	0.51	0.40	0.529	-10.19	1.01	0.315	0.15	1.21	0.272	
19	MC	7	155	-1.09	0.98	0.322	-7.72	0.53	0.465	0.09	0.44	0.508	
20	MC	7	155	0.01	0.00	0.990	-1.32	0.07	0.789	0.02	0.07	0.785	
21	MC	7	155	1.30	2.76	0.097	-2.17	0.24	0.627	0.05	0.62	0.432	
22	MC	7	155	0.41	0.25	0.617	-3.10	0.28	0.598	0.05	0.37	0.541	
23	MC	7	155	-0.55	0.42	0.519	-33.48	0.74	0.389	0.44	0.75	0.387	
24	MC	7	155	1.45	2.60	0.107	4.16	0.82	0.365	-0.04	0.37	0.541	
25	MC	7	155	0.94	1.26	0.261	10.58	4.27	0.039	-0.14	3.83	0.050	
26	MC	7	155	-0.39	0.19	0.662	-500.02	0.74	0.390	6.54	0.74	0.390	
27	MC	7	155	0.15	0.03	0.856	0.93	0.04	0.842	-0.01	0.03	0.865	
28	MC	7	155	0.82	1.01	0.315	-4.93	0.70	0.404	0.09	0.96	0.327	
29	MC	7	155	1.16	1.79	0.181	-0.37	0.01	0.943	0.02	0.09	0.765	
30	MC	7	155	-0.19	0.05	0.824	138.72	0.14	0.704	-2.53	0.14	0.706	
31	MC	48	180	11.77	0.00	0.949	12.69	0.00	0.945	-0.07	0.00	0.978	
32	MC	48	180	0.77	2.36	0.125	1.98	0.42	0.517	-0.02	0.16	0.687	
33	MC	48	180	-0.34	0.88	0.348	-2.83	1.47	0.226	0.04	1.16	0.281	
34	MC	48	180	-0.17	0.22	0.639	-0.50	0.05	0.830	0.00	0.02	0.887	
35	MC	48	180	0.32	0.85	0.357	0.10	0.00	0.964	0.00	0.01	0.925	
36	MC	48	180	-0.06	0.02	0.891	1.47	0.33	0.564	-0.02	0.37	0.542	
37	MC	48	180	-0.50	1.64	0.200	3.08	1.61	0.205	-0.05	2.16	0.142	
38	MC	48	180	-0.80	2.00	0.158	-2.15	0.33	0.567	0.02	0.14	0.713	
39	MC	48	180	0.05	0.02	0.888	-0.71	0.08	0.777	0.01	0.09	0.759	
40	MC	48	180	-0.15	0.17	0.684	-2.12	0.66	0.416	0.03	0.58	0.445	
41	MC	48	180	0.15	0.11	0.737	-2.72	0.79	0.373	0.04	0.93	0.334	
42	MC	48	180	0.13	0.12	0.731	-2.01	0.59	0.443	0.03	0.68	0.410	
43	MC	48	180	0.17	0.22	0.638	-0.89	0.13	0.723	0.01	0.18	0.670	
44	MC	48	180	-0.11	0.10	0.755	4.50	4.09	0.043	-0.07	4.41	0.036	
45	MC	48	180	0.46	1.51	0.218	-1.84	0.46	0.496	0.03	0.73	0.392	
46	MC	48	180	0.55	2.38	0.123	-4.33	2.31	0.129	0.07	2.96	0.085	
47	MC	48	180	-0.18	0.28	0.600	-2.75	1.15	0.284	0.04	1.03	0.311	
48	MC	48	180	-0.64	3.25	0.071	-2.77	1.11	0.291	0.03	0.68	0.411	
49	MC	48	180	0.57	2.79	0.095	-2.69	1.15	0.283	0.05	1.74	0.187	
50	MC	48	180	-0.18	0.23	0.634	0.54	0.05	0.826	-0.01	0.09	0.766	
51	MC	48	180	-0.24	0.44	0.505	-1.63	0.45	0.501	0.02	0.34	0.560	
52	MC	48	180	-0.18	0.26	0.607	-0.43	0.03	0.855	0.00	0.01	0.915	
53	MC	48	180	-0.42	1.25	0.263	-1.16	0.22	0.637	0.01	0.09	0.761	
54	MC	41	166	0.07	0.02	0.886	-0.36	0.02	0.893	0.01	0.03	0.870	
55	MC	41	166	0.21	0.33	0.565	1.17	0.34	0.561	-0.01	0.24	0.628	
56	MC	41	166	0.36	0.76	0.383	-1.85	0.40	0.526	0.04	0.58	0.446	
57	MC	41	166	-0.34	0.82	0.364	2.69	1.88	0.170	-0.05	2.48	0.115	
58	MC	41	166	-0.11	0.09	0.763	1.55	0.57	0.451	-0.03	0.67	0.412	
59	MC	41	166	0.45	1.02	0.313	0.63	0.06	0.805	0.00	0.00	0.944	
60	MC	41	166	0.76	4.21	0.040	1.42	0.45	0.502	-0.01	0.10	0.751	
61	MC	41	166	0.36	0.92	0.337	0.97	0.19	0.662	-0.01	0.08	0.780	
62	MC	41	166	0.10	0.07	0.786	2.32	1.56	0.211	-0.03	1.49	0.223	
63	MC	41	166	-0.81	4.15	0.042	1.47	0.48	0.486	-0.03	1.18	0.278	
64	MC	41	166	0.09	0.06	0.811	-3.52	1.15	0.285	0.06	1.22	0.269	
65	MC	41	166	0.22	0.33	0.564	-1.11	0.25	0.617	0.02	0.37	0.542	
66	MC	41	166	0.25	0.45	0.502	-3.17	1.41	0.234	0.05	1.67	0.197	
67	MC	41	166	0.57	2.47	0.116	2.40	1.57	0.210	-0.03	0.95	0.329	
68	MC	41	166	0.01	0.00	0.982	3.72	2.52	0.112	-0.06	2.58	0.108	
69	MC	41	166	0.58	2.23	0.135	-1.91	0.47	0.492	0.04	0.81	0.368	
70	MC	41	166	-0.14	0.12	0.727	1.60	0.52	0.472	-0.03	0.62	0.430	

**Table F.156: Logistic Regression DIF Results on Stage III Reading Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	41	166	-1.02	4.96	0.026	-9.05	4.80	0.028	0.11	4.01	0.045	Uniform<
72	MC	41	166	0.05	0.01	0.908	-1.12	0.22	0.637	0.02	0.25	0.616	
73	MC	41	166	-0.02	0.00	0.962	1.23	0.31	0.575	-0.02	0.33	0.564	
74	MC	41	166	0.30	0.66	0.417	0.68	0.11	0.735	-0.01	0.04	0.849	
75	MC	41	166	0.33	0.77	0.379	4.08	4.25	0.039	-0.06	3.68	0.055	
76	MC	41	166	0.10	0.07	0.787	0.10	0.00	0.962	0.00	0.00	1.000	
77	MC	7	170	-2.36	7.48	0.006	12.81	1.80	0.180	-0.23	2.64	0.105	
78	MC	7	170	-1.54	3.41	0.065	3.16	0.33	0.567	-0.07	0.73	0.393	
79	MC	7	170	-1.05	1.25	0.264	-491.42	0.58	0.448	7.60	0.57	0.449	
80	MC	7	170	-1.47	2.80	0.094	-9.94	0.86	0.354	0.12	0.64	0.424	
81	MC	7	170	-1.15	1.82	0.178	-3.08	0.21	0.644	0.03	0.09	0.769	
82	MC	7	170	0.44	0.26	0.609	4.81	0.69	0.407	-0.07	0.58	0.446	
83	MC	7	170	-0.03	0.00	0.973	-221.64	0.25	0.619	3.53	0.25	0.619	
84	MC	7	170	-2.04	5.26	0.022	-19.71	0.84	0.360	0.27	0.67	0.413	
85	MC	7	170	0.11	0.01	0.904	-13.94	0.64	0.425	0.22	0.66	0.417	
86	MC	7	170	0.62	0.64	0.425	0.56	0.01	0.918	0.00	0.00	0.991	
87	MC	7	170	-0.39	0.22	0.636	6.97	1.58	0.209	-0.11	1.76	0.185	
88	MC	7	170	1.98	3.05	0.080	-61.67	0.04	0.850	1.14	0.04	0.841	
89	MC	7	170	0.72	0.79	0.375	5.44	0.98	0.322	-0.07	0.76	0.384	
90	MC	7	170	2.14	3.59	0.058	13.94	1.88	0.170	-0.18	1.56	0.212	
91	MC	7	170	1.29	2.60	0.107	-7.41	0.60	0.437	0.13	0.85	0.357	
92	MC	7	170	-0.01	0.00	0.993	-12.98	1.47	0.226	0.19	1.54	0.215	
93	MC	7	170	-0.42	0.23	0.628	-9.22	0.87	0.350	0.13	0.83	0.364	
94	MC	7	170	0.28	0.12	0.732	-41.94	0.92	0.338	0.65	0.92	0.337	
95	MC	7	170	0.33	0.17	0.676	-241.65	0.26	0.612	3.64	0.26	0.611	
96	MC	7	170	-0.61	0.31	0.581	-6.11	0.36	0.547	0.08	0.31	0.576	
97	MC	7	170	1.32	2.76	0.096	-2.29	0.12	0.728	0.06	0.30	0.581	
98	MC	7	170	-1.16	1.12	0.291	-123.39	0.06	0.805	1.62	0.06	0.807	
99	MC	7	170	1.71	3.68	0.055	-0.27	0.00	0.969	0.03	0.08	0.772	
100	SA1	103	671	-0.04	0.03	0.868	3.29	5.95	0.015	-0.05	6.51	0.011	
101	SA1	103	671	0.06	0.05	0.827	0.42	0.05	0.819	-0.01	0.04	0.842	
102	SA1	7	155	0.78	0.46	0.498	-197.99	0.55	0.457	3.88	0.55	0.457	
103	SA1	7	155	0.72	0.83	0.362	3.44	0.65	0.422	-0.04	0.42	0.515	
104	SA1	7	155	1.52	3.21	0.073	2.20	0.24	0.628	-0.01	0.02	0.879	
105	SA1	7	155	-0.17	0.02	0.881	2.10	0.10	0.747	-0.03	0.12	0.729	
106	SA1	48	180	0.62	2.86	0.091	3.74	2.75	0.097	-0.05	1.94	0.163	
107	SA1	48	180	0.72	1.96	0.161	2.33	0.56	0.452	-0.02	0.28	0.600	
108	SA1	48	180	0.26	0.38	0.536	2.30	0.64	0.425	-0.03	0.51	0.476	
109	SA1	48	180	-0.51	0.90	0.342	4.17	1.46	0.226	-0.06	1.80	0.180	
110	SA1	41	166	-0.28	0.46	0.496	1.54	0.50	0.482	-0.03	0.70	0.401	
111	SA1	41	166	-0.28	0.61	0.433	0.00	0.00	0.999	0.00	0.02	0.884	
112	SA1	41	166	-0.88	4.55	0.033	-2.21	0.54	0.461	0.02	0.20	0.654	
113	SA1	41	166	0.00	0.00	0.997	-1.80	0.29	0.589	0.03	0.30	0.586	
114	SA1	7	170	0.52	0.41	0.524	2.40	0.17	0.677	-0.03	0.11	0.742	
115	SA1	7	170	0.91	1.34	0.248	-1.06	0.03	0.854	0.03	0.12	0.730	
116	SA1	7	170	-1.00	0.76	0.384	-121.19	0.05	0.819	1.59	0.05	0.822	
117	SA1	7	170	-1.03	0.80	0.372	-0.62	0.00	0.951	-0.01	0.00	0.968	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.157: Logistic Regression DIF Results on Stage III Reading Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_2^{Uni}$	Wald $\chi^2$	p-value	
1	MC	6668	1991	-0.29	10.99	0.001	-0.61	3.38	0.066	0.01	0.99	0.319	Uniform<
2	MC	6668	1991	-0.07	1.53	0.216	0.32	1.18	0.278	-0.01	1.87	0.171	
3	MC	6668	1991	-0.23	6.22	0.013	-0.88	6.07	0.014	0.01	3.56	0.059	
4	MC	6668	1991	-0.18	8.79	0.003	0.33	1.39	0.238	-0.01	3.41	0.065	Uniform<
5	MC	6668	1991	-0.19	8.52	0.004	1.04	9.10	0.003	-0.02	13.37	0.000	NonUniform
6	MC	6668	1991	-0.19	9.90	0.002	0.42	2.38	0.123	-0.01	5.25	0.022	Uniform<
7	MC	6668	1991	-0.32	27.56	0.000	1.43	18.13	0.000	-0.02	28.42	0.000	NonUniform
8	MC	1653	560	-0.57	9.93	0.002	-0.04	0.01	0.938	-0.01	0.95	0.330	Uniform<
9	MC	1653	560	-0.45	6.97	0.008	-1.54	6.56	0.010	0.02	3.55	0.060	Uniform<
10	MC	1653	560	-0.23	3.44	0.063	0.24	0.17	0.680	-0.01	0.67	0.414	
11	MC	1653	560	-0.29	5.74	0.017	0.33	0.39	0.530	-0.01	1.45	0.228	
12	MC	1653	560	0.10	0.69	0.406	2.70	15.17	0.000	-0.03	14.98	0.000	NonUniform
13	MC	1653	560	-0.50	7.10	0.008	-0.41	0.34	0.558	0.00	0.02	0.886	Uniform<
14	MC	1653	560	-0.34	6.54	0.011	-0.75	1.40	0.237	0.01	0.45	0.504	
15	MC	1653	560	-0.52	10.60	0.001	-2.30	15.95	0.000	0.03	10.33	0.001	NonUniform
16	MC	1653	560	0.03	0.04	0.837	-0.25	0.17	0.681	0.00	0.22	0.639	
17	MC	1653	560	-0.19	2.08	0.150	2.36	11.07	0.001	-0.03	14.06	0.000	NonUniform
18	MC	1653	560	-0.21	3.58	0.058	1.76	9.83	0.002	-0.03	13.10	0.000	NonUniform
19	MC	1653	560	-0.57	26.83	0.000	0.64	1.46	0.227	-0.02	5.58	0.018	Uniform<
20	MC	1653	560	-0.47	11.36	0.001	0.05	0.00	0.945	-0.01	0.66	0.418	Uniform<
21	MC	1653	560	-0.44	15.55	0.000	1.43	6.16	0.013	-0.02	11.24	0.001	NonUniform
22	MC	1653	560	-0.40	10.72	0.001	0.40	0.39	0.533	-0.01	1.61	0.204	Uniform<
23	MC	1653	560	-0.42	13.86	0.000	1.96	9.64	0.002	-0.03	15.05	0.000	NonUniform
24	MC	1653	560	-0.32	7.02	0.008	-0.49	0.68	0.410	0.00	0.08	0.773	Uniform<
25	MC	1653	560	-0.42	11.77	0.001	1.34	4.13	0.042	-0.02	7.48	0.006	NonUniform
26	MC	1653	560	-0.24	4.00	0.045	1.66	5.38	0.020	-0.02	7.35	0.007	NonUniform
27	MC	1653	560	-0.31	6.82	0.009	-0.35	0.36	0.550	0.00	0.01	0.935	Uniform<
28	MC	1653	560	-0.28	5.95	0.015	0.17	0.10	0.758	-0.01	0.70	0.402	
29	MC	1653	560	-0.26	4.65	0.031	0.71	1.11	0.293	-0.01	2.15	0.143	
30	MC	1653	560	-0.46	18.49	0.000	0.40	0.73	0.394	-0.01	3.57	0.059	Uniform<
31	MC	1693	512	0.12	0.37	0.543	0.57	0.69	0.407	-0.01	0.47	0.493	
32	MC	1693	512	-0.06	0.12	0.730	-0.78	1.31	0.252	0.01	1.20	0.274	
33	MC	1693	512	-0.21	2.68	0.102	0.02	0.00	0.974	0.00	0.18	0.674	
34	MC	1693	512	-0.26	4.19	0.041	0.21	0.13	0.718	-0.01	0.69	0.406	
35	MC	1693	512	-0.04	0.15	0.700	0.58	0.86	0.354	-0.01	1.04	0.308	
36	MC	1693	512	0.01	0.01	0.931	0.28	0.11	0.741	0.00	0.10	0.749	
37	MC	1693	512	-0.41	12.73	0.000	0.95	2.25	0.134	-0.02	4.87	0.027	Uniform<
38	MC	1693	512	0.25	2.02	0.155	-0.31	0.20	0.657	0.01	0.68	0.410	
39	MC	1693	512	-0.14	1.32	0.250	0.76	1.26	0.261	-0.01	1.83	0.176	
40	MC	1693	512	-0.09	0.42	0.519	0.09	0.02	0.896	0.00	0.08	0.784	
41	MC	1693	512	-0.16	1.29	0.256	2.00	7.86	0.005	-0.03	9.99	0.002	NonUniform
42	MC	1693	512	-0.22	3.01	0.083	0.34	0.33	0.565	-0.01	0.92	0.337	
43	MC	1693	512	-0.29	6.17	0.013	3.45	20.81	0.000	-0.05	25.65	0.000	NonUniform
44	MC	1693	512	-0.12	0.94	0.331	0.45	0.50	0.478	-0.01	0.85	0.357	
45	MC	1693	512	0.20	2.50	0.114	0.34	0.25	0.620	0.00	0.04	0.838	
46	MC	1693	512	-0.40	10.82	0.001	-0.38	0.40	0.529	0.00	0.00	0.972	Uniform<
47	MC	1693	512	-0.56	23.74	0.000	0.87	2.00	0.157	-0.02	5.66	0.017	Uniform<
48	MC	1693	512	-0.14	1.47	0.226	-0.38	0.48	0.489	0.00	0.20	0.652	
49	MC	1693	512	-0.46	16.31	0.000	1.28	4.53	0.033	-0.02	8.77	0.003	NonUniform
50	MC	1693	512	-0.02	0.01	0.908	0.94	1.77	0.184	-0.01	1.91	0.167	
51	MC	1693	512	-0.47	17.88	0.000	1.51	6.41	0.011	-0.03	11.69	0.001	NonUniform
52	MC	1693	512	-0.19	2.69	0.101	3.74	21.89	0.000	-0.05	25.32	0.000	NonUniform
53	MC	1693	512	-0.05	0.18	0.675	0.30	0.27	0.602	0.00	0.39	0.533	
54	MC	1689	474	-0.18	1.40	0.238	0.26	0.22	0.639	-0.01	0.70	0.402	
55	MC	1689	474	-0.12	0.99	0.320	0.30	0.31	0.575	-0.01	0.66	0.418	
56	MC	1689	474	-0.46	8.72	0.003	-0.39	0.38	0.540	0.00	0.01	0.911	Uniform<
57	MC	1689	474	-0.42	9.66	0.002	-0.06	0.01	0.908	-0.01	0.55	0.457	Uniform<
58	MC	1689	474	-0.17	1.71	0.191	0.16	0.07	0.787	0.00	0.33	0.567	
59	MC	1689	474	-0.50	8.85	0.003	-0.88	2.01	0.156	0.01	0.41	0.520	Uniform<
60	MC	1689	474	-0.32	6.90	0.009	-0.34	0.33	0.566	0.00	0.00	0.979	Uniform<
61	MC	1689	474	-0.19	2.51	0.113	0.11	0.04	0.850	0.00	0.29	0.591	
62	MC	1689	474	-0.16	1.92	0.166	1.15	5.36	0.021	-0.02	7.41	0.006	NonUniform
63	MC	1689	474	-0.26	4.81	0.028	0.83	1.97	0.161	-0.01	3.61	0.058	
64	MC	1689	474	-0.16	1.41	0.235	0.40	0.35	0.556	-0.01	0.72	0.397	
65	MC	1689	474	-0.20	2.79	0.095	2.88	16.10	0.000	-0.04	19.66	0.000	NonUniform
66	MC	1689	474	-0.39	8.15	0.004	-0.01	0.00	0.983	-0.01	0.45	0.504	Uniform<
67	MC	1689	474	-0.25	4.61	0.032	1.37	5.57	0.018	-0.02	8.30	0.004	NonUniform
68	MC	1689	474	-0.20	2.32	0.128	-0.29	0.20	0.657	0.00	0.02	0.892	
69	MC	1689	474	-0.38	7.82	0.005	-0.33	0.26	0.612	0.00	0.01	0.925	Uniform<
70	MC	1689	474	-0.26	4.99	0.026	1.87	9.32	0.002	-0.03	12.97	0.000	NonUniform

**Table F.157: Logistic Regression DIF Results on Stage III Reading Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	1689	474	-0.37	9.50	0.002	1.04	2.66	0.103	-0.02	5.17	0.023	Uniform<
72	MC	1689	474	-0.42	12.29	0.000	1.76	7.65	0.006	-0.03	12.47	0.000	NonUniform
73	MC	1689	474	-0.26	5.04	0.025	1.40	5.90	0.015	-0.02	8.94	0.003	NonUniform
74	MC	1689	474	-0.13	1.25	0.264	0.51	1.21	0.270	-0.01	2.03	0.154	
75	MC	1689	474	-0.07	0.40	0.526	1.00	3.18	0.074	-0.01	3.91	0.048	
76	MC	1689	474	-0.47	15.11	0.000	0.93	2.47	0.116	-0.02	5.90	0.015	Uniform<
77	MC	1633	445	-0.63	4.48	0.034	-0.22	0.06	0.801	-0.01	0.23	0.632	
78	MC	1633	445	0.09	0.31	0.579	-0.25	0.14	0.712	0.01	0.26	0.608	
79	MC	1633	445	-0.34	3.79	0.052	-0.13	0.03	0.868	0.00	0.07	0.787	
80	MC	1633	445	-0.03	0.05	0.825	1.01	2.68	0.102	-0.02	2.99	0.084	
81	MC	1633	445	-0.12	0.92	0.337	0.73	1.75	0.186	-0.01	2.50	0.113	
82	MC	1633	445	-0.35	6.39	0.011	0.29	0.16	0.687	-0.01	0.83	0.362	
83	MC	1633	445	-0.22	1.74	0.187	-0.92	1.70	0.193	0.01	1.03	0.309	
84	MC	1633	445	-0.13	0.50	0.482	-0.69	0.83	0.363	0.01	0.58	0.447	
85	MC	1633	445	-0.10	0.50	0.480	-0.62	1.15	0.283	0.01	0.86	0.354	
86	MC	1633	445	-0.40	10.69	0.001	1.62	7.39	0.007	-0.03	12.19	0.000	NonUniform
87	MC	1633	445	-0.03	0.04	0.835	-0.12	0.04	0.839	0.00	0.03	0.872	
88	MC	1633	445	-0.18	1.64	0.200	0.08	0.01	0.907	0.00	0.15	0.703	
89	MC	1633	445	-0.06	0.25	0.614	1.63	5.80	0.016	-0.02	6.59	0.010	
90	MC	1633	445	-0.08	0.33	0.563	0.23	0.12	0.734	0.00	0.22	0.641	
91	MC	1633	445	-0.26	3.42	0.064	1.61	5.41	0.020	-0.03	7.96	0.005	NonUniform
92	MC	1633	445	-0.20	2.70	0.100	1.20	4.89	0.027	-0.02	7.19	0.007	NonUniform
93	MC	1633	445	-0.17	1.76	0.184	2.31	11.46	0.001	-0.03	14.07	0.000	NonUniform
94	MC	1633	445	0.13	1.07	0.302	0.78	1.57	0.210	-0.01	1.14	0.286	
95	MC	1633	445	-0.02	0.02	0.897	4.41	32.83	0.000	-0.06	36.19	0.000	NonUniform
96	MC	1633	445	-0.38	9.00	0.003	0.55	0.91	0.341	-0.01	2.74	0.098	Uniform<
97	MC	1633	445	-0.22	2.96	0.085	1.41	4.88	0.027	-0.02	6.98	0.008	NonUniform
98	MC	1633	445	-0.20	2.53	0.112	1.10	3.44	0.063	-0.02	5.09	0.024	
99	MC	1633	445	-0.30	5.55	0.019	2.27	10.04	0.002	-0.04	13.55	0.000	NonUniform
100	SA1	6668	1991	0.06	0.91	0.340	-0.63	5.75	0.016	0.01	7.50	0.006	NonUniform
101	SA1	6668	1991	-0.29	19.36	0.000	0.89	4.45	0.035	-0.02	8.13	0.004	NonUniform
102	SA1	1653	560	-0.09	0.41	0.524	-1.08	4.52	0.034	0.01	4.11	0.043	
103	SA1	1653	560	0.12	1.07	0.301	-0.65	1.53	0.215	0.01	2.22	0.136	
104	SA1	1653	560	-0.55	19.73	0.000	0.06	0.01	0.935	-0.01	0.68	0.409	Uniform<
105	SA1	1653	560	-0.51	14.80	0.000	-0.28	0.11	0.737	0.00	0.07	0.785	Uniform<
106	SA1	1693	512	-0.58	23.23	0.000	-0.69	1.29	0.255	0.00	0.04	0.849	Uniform<
107	SA1	1693	512	-0.72	14.99	0.000	2.46	5.25	0.022	-0.04	9.43	0.002	NonUniform
108	SA1	1693	512	-0.51	15.39	0.000	-0.45	0.27	0.602	0.00	0.00	0.945	Uniform<
109	SA1	1693	512	-0.13	0.70	0.402	0.81	0.68	0.409	-0.01	0.94	0.332	
110	SA1	1689	474	0.23	3.08	0.079	-0.88	2.67	0.102	0.01	4.39	0.036	
111	SA1	1689	474	-0.15	1.65	0.198	-0.84	3.17	0.075	0.01	2.27	0.132	
112	SA1	1689	474	-0.50	11.99	0.001	-0.90	1.57	0.210	0.01	0.33	0.566	Uniform<
113	SA1	1689	474	-0.73	32.83	0.000	-0.66	0.93	0.335	0.00	0.01	0.915	Uniform<
114	SA1	1633	445	0.14	1.24	0.265	-0.64	1.27	0.260	0.01	1.96	0.161	
115	SA1	1633	445	0.24	3.80	0.051	0.78	1.82	0.178	-0.01	0.92	0.339	
116	SA1	1633	445	-0.77	31.55	0.000	-0.37	0.23	0.632	-0.01	0.27	0.600	Uniform<
117	SA1	1633	445	-0.39	8.11	0.004	0.41	0.26	0.611	-0.01	1.02	0.312	Uniform<

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.158: Logistic Regression DIF Results on Stage III Reading Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	479	6668	0.45	5.18	0.023	-1.78	1.62	0.203	0.03	2.54	0.111	
2	MC	479	6668	0.01	0.01	0.924	-1.41	3.02	0.082	0.02	3.11	0.078	
3	MC	479	6668	0.53	5.85	0.016	1.19	0.70	0.401	-0.01	0.22	0.636	
4	MC	479	6668	0.33	9.77	0.002	-3.46	14.76	0.000	0.05	17.85	0.000	NonUniform
5	MC	479	6668	0.43	12.01	0.001	-0.48	0.28	0.597	0.01	1.01	0.316	Uniform>
6	MC	479	6668	0.19	3.39	0.066	-0.52	0.46	0.497	0.01	0.88	0.348	
7	MC	479	6668	0.30	8.49	0.004	-3.87	16.71	0.000	0.05	19.65	0.000	NonUniform
8	MC	107	1653	0.19	0.27	0.604	-1.55	0.34	0.557	0.02	0.43	0.510	
9	MC	107	1653	0.40	1.06	0.303	0.58	0.04	0.836	0.00	0.00	0.948	
10	MC	107	1653	0.75	8.17	0.004	-1.16	0.31	0.578	0.03	0.85	0.358	Uniform>
11	MC	107	1653	-0.02	0.01	0.912	-1.50	0.72	0.396	0.02	0.71	0.401	
12	MC	107	1653	-0.23	1.10	0.294	-1.76	0.99	0.320	0.02	0.76	0.382	
13	MC	107	1653	0.31	0.55	0.457	-9.76	4.43	0.035	0.15	4.43	0.035	
14	MC	107	1653	-0.03	0.02	0.890	-6.49	5.89	0.015	0.09	5.84	0.016	
15	MC	107	1653	0.29	0.75	0.387	-1.04	0.17	0.681	0.02	0.28	0.600	
16	MC	107	1653	0.31	1.14	0.286	-5.16	3.67	0.055	0.08	4.06	0.044	
17	MC	107	1653	0.17	0.46	0.496	-2.04	1.03	0.310	0.03	1.26	0.262	
18	MC	107	1653	-0.40	3.43	0.064	-5.19	6.71	0.010	0.06	5.90	0.015	
19	MC	107	1653	0.23	1.18	0.278	-3.77	4.14	0.042	0.05	4.79	0.029	
20	MC	107	1653	0.59	4.15	0.042	-0.35	0.02	0.876	0.01	0.18	0.671	
21	MC	107	1653	0.22	1.04	0.309	-3.12	2.96	0.085	0.04	3.48	0.062	
22	MC	107	1653	0.19	0.70	0.403	-4.52	4.13	0.042	0.06	4.51	0.034	
23	MC	107	1653	0.10	0.23	0.632	-3.17	2.97	0.085	0.04	3.21	0.073	
24	MC	107	1653	0.51	4.72	0.030	-0.14	0.01	0.940	0.01	0.12	0.724	
25	MC	107	1653	0.28	1.47	0.225	-6.76	7.44	0.006	0.09	8.05	0.005	NonUniform
26	MC	107	1653	0.54	5.71	0.017	-4.10	3.51	0.061	0.06	4.52	0.034	
27	MC	107	1653	0.06	0.08	0.781	-3.63	3.14	0.077	0.05	3.28	0.070	
28	MC	107	1653	0.35	2.41	0.120	-5.05	5.40	0.020	0.07	6.18	0.013	
29	MC	107	1653	0.73	10.28	0.001	-0.35	0.03	0.852	0.01	0.34	0.558	Uniform>
30	MC	107	1653	0.22	1.11	0.292	-1.74	1.15	0.283	0.02	1.50	0.221	
31	MC	122	1693	1.88	3.45	0.063	12.17	1.46	0.226	-0.13	1.21	0.272	
32	MC	122	1693	0.82	2.92	0.087	0.55	0.03	0.859	0.00	0.01	0.931	
33	MC	122	1693	-0.04	0.03	0.868	0.11	0.00	0.949	0.00	0.01	0.931	
34	MC	122	1693	-0.16	0.49	0.482	-1.74	0.94	0.331	0.02	0.79	0.375	
35	MC	122	1693	0.46	5.06	0.025	-0.64	0.14	0.705	0.01	0.43	0.512	
36	MC	122	1693	0.41	0.96	0.326	-1.07	0.14	0.713	0.02	0.26	0.610	
37	MC	122	1693	0.57	8.16	0.004	-3.92	4.08	0.043	0.06	5.47	0.019	Uniform>
38	MC	122	1693	0.05	0.03	0.866	-0.58	0.06	0.800	0.01	0.08	0.781	
39	MC	122	1693	0.60	7.27	0.007	-0.06	0.00	0.975	0.01	0.14	0.709	Uniform>
40	MC	122	1693	-0.10	0.14	0.706	-3.93	3.04	0.081	0.05	2.88	0.089	
41	MC	122	1693	0.08	0.08	0.772	-5.66	5.02	0.025	0.07	5.45	0.020	
42	MC	122	1693	0.05	0.06	0.812	-2.74	2.07	0.151	0.04	2.16	0.141	
43	MC	122	1693	0.01	0.00	0.957	-5.51	6.72	0.010	0.07	6.88	0.009	NonUniform
44	MC	122	1693	0.29	1.38	0.239	-1.54	0.63	0.429	0.02	0.89	0.345	
45	MC	122	1693	-0.23	1.00	0.318	-0.44	0.06	0.813	0.00	0.01	0.910	
46	MC	122	1693	0.58	5.99	0.014	-2.28	1.31	0.252	0.04	2.08	0.149	
47	MC	122	1693	0.19	0.92	0.339	0.09	0.00	0.957	0.00	0.00	0.948	
48	MC	122	1693	-0.19	0.87	0.352	-0.48	0.09	0.769	0.00	0.03	0.857	
49	MC	122	1693	0.49	5.62	0.018	-4.34	5.05	0.025	0.06	6.32	0.012	
50	MC	122	1693	-0.01	0.00	0.969	-1.83	0.78	0.376	0.02	0.78	0.377	
51	MC	122	1693	0.15	0.57	0.452	-3.66	3.91	0.048	0.05	4.34	0.037	
52	MC	122	1693	0.50	5.54	0.019	-6.40	7.93	0.005	0.09	9.29	0.002	NonUniform
53	MC	122	1693	0.10	0.22	0.638	-2.73	2.28	0.131	0.04	2.50	0.113	
54	MC	123	1689	0.27	0.68	0.410	-7.56	6.84	0.009	0.11	7.00	0.008	NonUniform
55	MC	123	1689	0.25	1.27	0.260	-7.29	10.61	0.001	0.10	11.24	0.001	NonUniform
56	MC	123	1689	0.27	0.86	0.354	1.52	0.66	0.416	-0.02	0.46	0.496	
57	MC	123	1689	-0.13	0.33	0.564	-2.25	1.92	0.166	0.03	1.72	0.190	
58	MC	123	1689	0.15	0.45	0.501	-0.74	0.20	0.653	0.01	0.30	0.584	
59	MC	123	1689	0.05	0.03	0.874	-0.45	0.05	0.825	0.01	0.06	0.805	
60	MC	123	1689	0.13	0.37	0.543	-3.73	4.23	0.040	0.05	4.58	0.032	
61	MC	123	1689	-0.20	0.99	0.321	-2.02	1.66	0.197	0.02	1.38	0.240	
62	MC	123	1689	-0.01	0.00	0.965	-1.09	0.63	0.429	0.01	0.63	0.428	
63	MC	123	1689	0.63	8.77	0.003	-3.15	3.26	0.071	0.05	4.73	0.030	Uniform>
64	MC	123	1689	0.27	1.16	0.281	-4.41	3.69	0.055	0.06	4.14	0.042	
65	MC	123	1689	0.05	0.06	0.805	-3.80	4.93	0.026	0.05	5.20	0.023	
66	MC	123	1689	0.39	2.29	0.131	-6.58	6.72	0.010	0.10	7.40	0.007	NonUniform
67	MC	123	1689	0.23	1.28	0.258	-3.45	4.43	0.035	0.05	5.10	0.024	
68	MC	123	1689	-0.09	0.15	0.703	-5.32	5.53	0.019	0.07	5.37	0.021	
69	MC	123	1689	0.27	1.28	0.258	-1.83	0.92	0.337	0.03	1.23	0.267	
70	MC	123	1689	0.23	1.35	0.246	-4.52	7.01	0.008	0.06	7.96	0.005	NonUniform

**Table F.158: Logistic Regression DIF Results on Stage III Reading Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	123	1689	0.50	6.07	0.014	-4.18	5.28	0.022	0.06	6.71	0.010	NonUniform
72	MC	123	1689	0.30	2.21	0.137	-4.47	6.55	0.010	0.06	7.64	0.006	NonUniform
73	MC	123	1689	0.01	0.00	0.979	-0.68	0.22	0.641	0.01	0.23	0.634	
74	MC	123	1689	0.47	5.79	0.016	-3.29	5.01	0.025	0.05	6.72	0.010	NonUniform
75	MC	123	1689	0.22	1.20	0.273	-0.04	0.00	0.974	0.00	0.04	0.848	
76	MC	123	1689	0.80	13.12	0.000	-1.13	0.49	0.485	0.03	1.44	0.230	Uniform>
77	MC	127	1633	-0.32	0.51	0.476	2.27	0.58	0.448	-0.04	0.80	0.371	
78	MC	127	1633	-0.15	0.29	0.591	-1.94	0.92	0.337	0.03	0.79	0.373	
79	MC	127	1633	0.43	1.67	0.197	-9.06	5.51	0.019	0.15	5.82	0.016	
80	MC	127	1633	0.22	0.96	0.328	-0.61	0.14	0.711	0.01	0.26	0.610	
81	MC	127	1633	0.19	0.88	0.347	-3.41	4.29	0.038	0.05	4.82	0.028	
82	MC	127	1633	0.69	8.77	0.003	0.95	0.31	0.576	0.00	0.02	0.879	Uniform>
83	MC	127	1633	0.77	4.37	0.037	-2.76	0.95	0.330	0.05	1.52	0.218	
84	MC	127	1633	0.12	0.12	0.728	-4.35	2.15	0.143	0.07	2.22	0.136	
85	MC	127	1633	0.16	0.39	0.532	-1.92	1.04	0.308	0.03	1.22	0.269	
86	MC	127	1633	-0.27	1.67	0.196	-0.50	0.11	0.744	0.00	0.02	0.877	
87	MC	127	1633	0.04	0.04	0.843	1.03	0.51	0.475	-0.01	0.48	0.488	
88	MC	127	1633	0.29	1.55	0.213	-2.31	1.46	0.226	0.04	1.86	0.172	
89	MC	127	1633	0.17	0.66	0.417	-1.53	0.92	0.337	0.02	1.15	0.284	
90	MC	127	1633	0.37	2.82	0.093	0.62	0.15	0.700	0.00	0.02	0.876	
91	MC	127	1633	0.48	4.64	0.031	-4.72	5.95	0.015	0.07	7.59	0.006	NonUniform
92	MC	127	1633	0.03	0.02	0.890	-4.56	6.81	0.009	0.06	7.21	0.007	NonUniform
93	MC	127	1633	0.30	2.40	0.121	-4.52	6.56	0.010	0.06	7.68	0.006	NonUniform
94	MC	127	1633	-0.17	0.73	0.394	-4.74	6.77	0.009	0.06	6.39	0.011	
95	MC	127	1633	-0.15	0.54	0.461	-7.89	13.02	0.000	0.10	13.16	0.000	NonUniform
96	MC	127	1633	-0.01	0.00	0.965	-4.40	5.44	0.020	0.06	5.65	0.017	
97	MC	127	1633	0.36	3.28	0.070	-0.25	0.03	0.865	0.01	0.17	0.676	
98	MC	127	1633	0.49	6.38	0.012	-0.06	0.00	0.969	0.01	0.15	0.699	
99	MC	127	1633	0.14	0.51	0.476	-2.00	1.54	0.214	0.03	1.80	0.180	
100	SA1	479	6668	0.06	0.20	0.652	0.90	0.95	0.330	-0.01	0.85	0.356	
101	SA1	479	6668	0.17	2.43	0.119	-0.44	0.24	0.625	0.01	0.46	0.498	
102	SA1	107	1653	-0.08	0.09	0.768	3.14	2.47	0.116	-0.04	2.74	0.098	
103	SA1	107	1653	-0.13	0.36	0.550	-0.57	0.12	0.728	0.01	0.07	0.785	
104	SA1	107	1653	0.48	4.81	0.028	0.99	0.30	0.581	-0.01	0.08	0.777	
105	SA1	107	1653	0.19	0.63	0.426	1.31	0.47	0.494	-0.01	0.35	0.556	
106	SA1	122	1693	-0.01	0.00	0.956	-0.47	0.06	0.800	0.01	0.06	0.804	
107	SA1	122	1693	-0.49	1.01	0.314	-3.38	0.58	0.444	0.04	0.45	0.504	
108	SA1	122	1693	0.10	0.20	0.659	0.81	0.17	0.682	-0.01	0.13	0.716	
109	SA1	122	1693	-0.04	0.03	0.866	0.64	0.09	0.770	-0.01	0.10	0.754	
110	SA1	123	1689	-0.53	5.25	0.022	-0.95	0.30	0.582	0.01	0.06	0.808	
111	SA1	123	1689	0.03	0.02	0.886	0.91	0.44	0.508	-0.01	0.42	0.517	
112	SA1	123	1689	0.82	9.06	0.003	3.22	3.33	0.068	-0.03	1.93	0.165	Uniform>
113	SA1	123	1689	-0.05	0.05	0.830	2.98	4.34	0.037	-0.04	4.51	0.034	
114	SA1	127	1633	0.19	0.85	0.356	0.26	0.03	0.863	0.00	0.00	0.962	
115	SA1	127	1633	0.09	0.23	0.634	0.19	0.02	0.896	0.00	0.00	0.947	
116	SA1	127	1633	-0.16	0.60	0.438	0.57	0.11	0.741	-0.01	0.18	0.668	
117	SA1	127	1633	0.03	0.03	0.867	1.99	1.61	0.205	-0.03	1.57	0.211	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.159: Logistic Regression DIF Results on Stage III Reading Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	7594	1031	0.04	0.14	0.705	-0.27	0.42	0.516	0.01	0.58	0.446	
2	MC	7594	1031	-0.02	0.05	0.826	0.16	0.20	0.656	0.00	0.25	0.616	
3	MC	7594	1031	0.01	0.00	0.959	1.05	4.01	0.045	-0.02	4.11	0.043	
4	MC	7594	1031	-0.04	0.25	0.615	0.45	1.64	0.200	-0.01	2.01	0.157	
5	MC	7594	1031	-0.03	0.19	0.663	0.23	0.34	0.562	0.00	0.46	0.496	
6	MC	7594	1031	-0.11	2.17	0.140	0.20	0.37	0.543	0.00	0.92	0.338	
7	MC	7594	1031	-0.11	2.35	0.125	0.89	4.87	0.027	-0.01	6.45	0.011	
8	MC	1908	294	-0.32	2.29	0.130	-0.97	2.03	0.155	0.01	1.03	0.311	
9	MC	1908	294	-0.34	2.93	0.087	-1.05	1.89	0.169	0.01	0.92	0.336	
10	MC	1908	294	0.01	0.01	0.937	-0.90	1.93	0.164	0.01	2.09	0.149	
11	MC	1908	294	-0.32	4.75	0.029	-0.04	0.00	0.945	0.00	0.21	0.648	
12	MC	1908	294	0.00	0.00	0.972	0.55	0.64	0.425	-0.01	0.65	0.418	
13	MC	1908	294	0.09	0.19	0.666	1.02	1.16	0.282	-0.02	1.01	0.315	
14	MC	1908	294	-0.27	2.94	0.086	-0.65	0.73	0.394	0.01	0.26	0.612	
15	MC	1908	294	-0.10	0.29	0.590	-0.33	0.18	0.671	0.00	0.10	0.757	
16	MC	1908	294	-0.15	0.80	0.372	0.30	0.16	0.691	-0.01	0.37	0.544	
17	MC	1908	294	0.05	0.10	0.748	1.28	2.50	0.114	-0.02	2.47	0.116	
18	MC	1908	294	-0.03	0.07	0.796	0.54	0.76	0.382	-0.01	0.91	0.340	
19	MC	1908	294	-0.32	5.60	0.018	0.16	0.07	0.793	-0.01	0.63	0.429	
20	MC	1908	294	-0.07	0.20	0.653	-0.16	0.04	0.839	0.00	0.01	0.912	
21	MC	1908	294	-0.34	6.36	0.012	0.98	2.11	0.146	-0.02	4.03	0.045	
22	MC	1908	294	-0.27	3.28	0.070	-0.62	0.74	0.390	0.00	0.24	0.621	
23	MC	1908	294	-0.27	3.80	0.051	1.45	3.71	0.054	-0.02	5.46	0.019	
24	MC	1908	294	-0.13	0.73	0.392	-0.07	0.01	0.922	0.00	0.01	0.939	
25	MC	1908	294	-0.15	1.07	0.301	0.16	0.05	0.826	0.00	0.19	0.661	
26	MC	1908	294	0.09	0.39	0.533	0.21	0.07	0.784	0.00	0.03	0.873	
27	MC	1908	294	-0.20	1.93	0.165	0.08	0.01	0.910	0.00	0.16	0.692	
28	MC	1908	294	-0.19	1.87	0.171	0.38	0.32	0.572	-0.01	0.76	0.384	
29	MC	1908	294	-0.03	0.03	0.860	0.94	1.31	0.253	-0.01	1.43	0.232	
30	MC	1908	294	-0.06	0.18	0.673	1.46	5.60	0.018	-0.02	6.45	0.011	
31	MC	1936	258	0.35	2.63	0.105	-1.26	2.39	0.122	0.03	4.33	0.037	
32	MC	1936	258	0.11	0.31	0.575	0.53	0.34	0.558	-0.01	0.23	0.632	
33	MC	1936	258	0.11	0.57	0.451	1.47	3.86	0.050	-0.02	3.40	0.065	
34	MC	1936	258	0.13	0.70	0.401	0.56	0.60	0.440	-0.01	0.37	0.542	
35	MC	1936	258	0.14	0.93	0.335	0.29	0.15	0.694	0.00	0.04	0.832	
36	MC	1936	258	-0.22	1.19	0.276	1.10	0.95	0.329	-0.02	1.41	0.236	
37	MC	1936	258	-0.26	3.31	0.069	0.02	0.00	0.975	0.00	0.15	0.695	
38	MC	1936	258	0.09	0.19	0.667	-1.31	2.41	0.120	0.02	2.80	0.095	
39	MC	1936	258	0.03	0.05	0.815	1.88	4.32	0.038	-0.03	4.32	0.038	
40	MC	1936	258	-0.09	0.30	0.583	0.07	0.01	0.926	0.00	0.04	0.832	
41	MC	1936	258	-0.27	2.57	0.109	0.56	0.51	0.476	-0.01	1.19	0.274	
42	MC	1936	258	0.28	3.60	0.058	1.54	3.82	0.051	-0.02	2.65	0.103	
43	MC	1936	258	-0.02	0.02	0.890	2.23	6.20	0.013	-0.03	6.56	0.010	
44	MC	1936	258	0.19	1.62	0.203	1.34	2.61	0.106	-0.02	1.98	0.159	
45	MC	1936	258	0.10	0.44	0.505	1.72	3.51	0.061	-0.02	3.20	0.074	
46	MC	1936	258	-0.11	0.57	0.452	-0.56	0.59	0.441	0.01	0.40	0.529	
47	MC	1936	258	-0.22	2.41	0.120	1.55	3.60	0.058	-0.02	4.89	0.027	
48	MC	1936	258	0.05	0.11	0.739	1.02	1.91	0.167	-0.01	1.81	0.178	
49	MC	1936	258	-0.20	1.94	0.164	1.08	2.07	0.150	-0.02	3.02	0.082	
50	MC	1936	258	0.00	0.00	0.995	0.41	0.24	0.626	-0.01	0.25	0.618	
51	MC	1936	258	-0.39	7.91	0.005	0.65	0.85	0.355	-0.01	2.28	0.131	Uniform<
52	MC	1936	258	0.09	0.41	0.524	2.84	8.54	0.003	-0.04	8.29	0.004	NonUniform
53	MC	1936	258	0.07	0.21	0.644	0.94	1.63	0.201	-0.01	1.48	0.223	
54	MC	1946	212	-0.04	0.03	0.860	2.75	8.19	0.004	-0.05	8.65	0.003	NonUniform
55	MC	1946	212	0.13	0.72	0.397	0.22	0.10	0.755	0.00	0.02	0.897	
56	MC	1946	212	-0.23	1.32	0.251	0.37	0.15	0.695	-0.01	0.42	0.515	
57	MC	1946	212	-0.08	0.19	0.663	1.61	4.09	0.043	-0.03	4.68	0.030	
58	MC	1946	212	0.26	2.48	0.115	-0.48	0.41	0.521	0.01	1.02	0.312	
59	MC	1946	212	-0.18	0.75	0.387	-0.31	0.13	0.718	0.00	0.02	0.875	
60	MC	1946	212	0.02	0.01	0.921	1.58	2.69	0.101	-0.02	2.73	0.098	
61	MC	1946	212	-0.02	0.01	0.918	1.02	1.48	0.224	-0.01	1.59	0.207	
62	MC	1946	212	-0.08	0.30	0.582	1.35	3.60	0.058	-0.02	4.28	0.039	
63	MC	1946	212	-0.27	2.91	0.088	-1.09	2.48	0.116	0.01	1.47	0.225	
64	MC	1946	212	-0.13	0.51	0.474	-0.73	0.73	0.394	0.01	0.51	0.473	
65	MC	1946	212	0.20	1.41	0.235	2.75	6.91	0.009	-0.03	6.24	0.012	
66	MC	1946	212	0.09	0.30	0.586	2.06	4.37	0.037	-0.03	4.13	0.042	
67	MC	1946	212	-0.14	0.81	0.369	-0.14	0.04	0.848	0.00	0.00	0.997	
68	MC	1946	212	-0.02	0.01	0.920	0.75	0.57	0.449	-0.01	0.62	0.431	
69	MC	1946	212	-0.23	1.68	0.194	-1.57	4.00	0.046	0.02	3.05	0.081	
70	MC	1946	212	-0.40	6.71	0.010	-0.09	0.01	0.905	0.00	0.20	0.657	Uniform<

**Table F.159: Logistic Regression DIF Results on Stage III Reading Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	1946	212	-0.32	3.91	0.048	1.63	2.87	0.090	-0.03	4.26	0.039	
72	MC	1946	212	-0.38	5.80	0.016	-0.15	0.04	0.843	0.00	0.09	0.763	
73	MC	1946	212	-0.30	3.79	0.052	1.48	3.41	0.065	-0.02	5.20	0.023	
74	MC	1946	212	0.11	0.52	0.470	1.01	2.26	0.132	-0.01	1.93	0.165	
75	MC	1946	212	-0.20	1.70	0.193	1.08	1.99	0.158	-0.02	2.95	0.086	
76	MC	1946	212	0.12	0.54	0.464	1.14	1.74	0.187	-0.01	1.46	0.226	
77	MC	1804	267	-0.42	1.70	0.193	2.36	2.80	0.094	-0.06	3.72	0.054	
78	MC	1804	267	0.14	0.63	0.429	0.28	0.12	0.734	0.00	0.03	0.861	
79	MC	1804	267	-0.26	1.89	0.169	0.59	0.34	0.558	-0.01	0.74	0.389	
80	MC	1804	267	-0.27	2.91	0.088	-0.30	0.19	0.659	0.00	0.00	0.961	
81	MC	1804	267	-0.42	8.33	0.004	0.94	1.95	0.162	-0.02	4.28	0.039	Uniform<
82	MC	1804	267	-0.02	0.01	0.922	1.37	2.38	0.123	-0.02	2.52	0.112	
83	MC	1804	267	0.00	0.00	0.984	1.19	1.47	0.225	-0.02	1.52	0.217	
84	MC	1804	267	-0.05	0.07	0.789	-0.02	0.00	0.986	0.00	0.00	0.968	
85	MC	1804	267	-0.10	0.40	0.526	0.91	1.46	0.228	-0.02	1.88	0.170	
86	MC	1804	267	-0.17	1.51	0.219	0.69	1.09	0.296	-0.01	1.80	0.180	
87	MC	1804	267	-0.22	2.24	0.134	-0.16	0.06	0.809	0.00	0.01	0.929	
88	MC	1804	267	0.27	2.83	0.093	1.66	3.38	0.066	-0.02	2.46	0.116	
89	MC	1804	267	-0.02	0.02	0.878	-0.04	0.00	0.949	0.00	0.00	0.974	
90	MC	1804	267	0.01	0.00	0.950	-0.15	0.04	0.844	0.00	0.05	0.830	
91	MC	1804	267	0.04	0.05	0.822	2.22	6.65	0.010	-0.03	7.03	0.008	NonUniform
92	MC	1804	267	-0.18	1.71	0.190	1.85	8.25	0.004	-0.03	10.79	0.001	NonUniform
93	MC	1804	267	0.23	2.30	0.129	2.80	10.84	0.001	-0.03	9.76	0.002	NonUniform
94	MC	1804	267	0.21	2.14	0.144	1.36	3.46	0.063	-0.02	2.58	0.108	
95	MC	1804	267	-0.35	6.15	0.013	2.08	8.36	0.004	-0.03	12.10	0.001	NonUniform
96	MC	1804	267	-0.23	2.47	0.116	1.66	5.41	0.020	-0.03	7.48	0.006	NonUniform
97	MC	1804	267	-0.09	0.39	0.533	1.86	6.00	0.014	-0.03	7.06	0.008	NonUniform
98	MC	1804	267	-0.15	1.20	0.273	0.70	1.15	0.283	-0.01	1.81	0.178	
99	MC	1804	267	0.11	0.54	0.462	0.58	0.60	0.439	-0.01	0.41	0.521	
100	SA1	7594	1031	0.04	0.23	0.630	-0.22	0.44	0.509	0.00	0.65	0.419	
101	SA1	7594	1031	-0.22	7.11	0.008	1.91	11.40	0.001	-0.03	14.60	0.000	NonUniform
102	SA1	1908	294	-0.35	3.98	0.046	-0.73	1.35	0.245	0.01	0.41	0.524	
103	SA1	1908	294	-0.26	3.68	0.055	-0.77	1.77	0.184	0.01	0.83	0.363	
104	SA1	1908	294	-0.45	8.49	0.004	-0.44	0.26	0.610	0.00	0.00	0.999	Uniform<
105	SA1	1908	294	-0.06	0.13	0.718	1.08	0.93	0.336	-0.01	1.06	0.303	
106	SA1	1936	258	-0.41	7.84	0.005	-0.02	0.00	0.982	-0.01	0.27	0.600	Uniform<
107	SA1	1936	258	-0.66	10.17	0.001	1.83	2.05	0.152	-0.03	4.04	0.045	Uniform<
108	SA1	1936	258	-0.33	4.14	0.042	0.97	0.67	0.412	-0.02	1.25	0.263	
109	SA1	1936	258	0.03	0.03	0.854	1.32	1.06	0.303	-0.02	1.04	0.307	
110	SA1	1946	212	-0.10	0.40	0.526	-1.37	4.28	0.039	0.02	3.78	0.052	
111	SA1	1946	212	-0.13	0.76	0.384	0.46	0.44	0.509	-0.01	0.77	0.381	
112	SA1	1946	212	-0.28	2.36	0.125	0.19	0.03	0.858	-0.01	0.20	0.656	
113	SA1	1946	212	-0.34	4.12	0.042	0.26	0.06	0.802	-0.01	0.36	0.550	
114	SA1	1804	267	-0.01	0.01	0.935	-0.88	1.96	0.162	0.01	2.00	0.157	
115	SA1	1804	267	0.16	1.28	0.257	-0.31	0.26	0.612	0.01	0.62	0.432	
116	SA1	1804	267	-0.19	1.44	0.230	1.53	2.21	0.138	-0.02	2.89	0.089	
117	SA1	1804	267	-0.35	4.89	0.027	0.77	0.66	0.418	-0.02	1.44	0.230	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.160: Logistic Regression DIF Results on Stage III Writing Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
118	MC	2819	3849	0.27	20.49	0.000	0.53	3.78	0.052	0.00	0.99	0.320	Uniform>
119	MC	2819	3849	-0.15	6.89	0.009	0.49	2.66	0.103	-0.01	4.63	0.031	Uniform<
120	MC	709	944	0.10	0.87	0.351	-1.18	4.25	0.039	0.02	5.18	0.023	
121	MC	709	944	0.24	4.94	0.026	0.02	0.00	0.964	0.00	0.17	0.683	
122	MC	709	944	0.55	22.41	0.000	-0.66	1.19	0.275	0.02	4.11	0.043	Uniform>
123	MC	709	944	0.19	3.02	0.082	-0.76	1.77	0.184	0.01	2.84	0.092	
124	MC	709	944	0.17	1.44	0.230	0.61	0.90	0.342	-0.01	0.49	0.484	
125	MC	709	944	0.03	0.05	0.825	-0.32	0.26	0.612	0.01	0.32	0.574	
126	MC	709	944	-0.07	0.44	0.507	-0.60	1.08	0.298	0.01	0.87	0.350	
127	MC	709	944	0.13	1.42	0.233	-0.38	0.36	0.551	0.01	0.68	0.411	
128	MC	709	944	0.08	0.48	0.487	-1.41	5.93	0.015	0.02	6.83	0.009	NonUniform
129	MC	709	944	0.03	0.05	0.827	0.41	0.33	0.566	-0.01	0.29	0.589	
130	MC	720	973	0.07	0.19	0.661	0.26	0.16	0.688	0.00	0.09	0.762	
131	MC	720	973	0.07	0.41	0.522	-0.34	0.45	0.504	0.01	0.67	0.412	
132	MC	720	973	0.35	10.43	0.001	0.62	1.12	0.290	0.00	0.21	0.647	Uniform>
133	MC	720	973	0.19	3.42	0.064	0.29	0.31	0.578	0.00	0.04	0.847	
134	MC	720	973	0.14	1.66	0.198	-0.34	0.30	0.582	0.01	0.62	0.431	
135	MC	720	973	0.02	0.05	0.818	0.21	0.14	0.707	0.00	0.11	0.735	
136	MC	720	973	0.01	0.00	0.957	-0.13	0.04	0.845	0.00	0.05	0.832	
137	MC	720	973	0.05	0.12	0.734	0.94	2.43	0.119	-0.02	2.31	0.128	
138	MC	720	973	-0.22	4.14	0.042	0.49	0.77	0.380	-0.01	1.65	0.199	
139	MC	720	973	-0.06	0.23	0.634	-0.23	0.14	0.708	0.00	0.08	0.775	
140	MC	698	991	0.51	9.42	0.002	1.15	2.96	0.085	-0.01	0.98	0.322	Uniform>
141	MC	698	991	0.24	5.83	0.016	0.59	1.50	0.221	-0.01	0.53	0.467	
142	MC	698	991	0.35	11.24	0.001	-0.07	0.01	0.904	0.01	0.61	0.433	Uniform>
143	MC	698	991	0.15	2.11	0.147	0.56	1.16	0.282	-0.01	0.64	0.424	
144	MC	698	991	0.04	0.12	0.730	0.98	3.14	0.077	-0.02	3.02	0.082	
145	MC	698	991	-0.22	4.08	0.043	-0.17	0.10	0.751	0.00	0.01	0.927	
146	MC	698	991	0.10	0.81	0.368	0.83	2.17	0.141	-0.01	1.74	0.187	
147	MC	698	991	-0.08	0.62	0.430	0.66	1.62	0.202	-0.01	2.13	0.144	
148	MC	698	991	-0.02	0.04	0.839	0.70	1.32	0.251	-0.01	1.47	0.226	
149	MC	698	991	0.14	1.74	0.188	0.68	1.49	0.222	-0.01	0.97	0.324	
150	MC	692	941	0.39	11.22	0.001	0.58	1.06	0.303	0.00	0.12	0.732	Uniform>
151	MC	692	941	-0.07	0.36	0.547	0.48	0.68	0.408	-0.01	0.95	0.330	
152	MC	692	941	0.26	5.73	0.017	-0.82	2.00	0.158	0.02	3.58	0.059	
153	MC	692	941	0.00	0.00	0.989	-0.68	1.55	0.213	0.01	1.62	0.204	
154	MC	692	941	0.21	4.24	0.040	0.04	0.01	0.936	0.00	0.11	0.742	
155	MC	692	941	-0.17	2.24	0.134	0.24	0.18	0.674	-0.01	0.53	0.465	
156	MC	692	941	0.16	1.19	0.275	1.48	3.96	0.047	-0.02	3.30	0.069	
157	MC	692	941	0.16	1.58	0.209	1.50	5.26	0.022	-0.02	4.39	0.036	
158	MC	692	941	0.08	0.52	0.470	0.36	0.35	0.555	0.00	0.21	0.646	
159	MC	692	941	0.20	3.69	0.055	0.63	1.54	0.214	-0.01	0.75	0.386	
160	ER	2819	3849	0.43	62.34	0.000	0.25	1.04	0.308	0.00	0.57	0.449	Uniform>
161	ER	709	944	0.54	25.18	0.000	0.74	2.03	0.154	0.00	0.16	0.689	Uniform>
162	ER	709	944	0.15	2.05	0.152	0.66	1.67	0.196	-0.01	1.04	0.309	
163	ER	720	973	0.76	50.15	0.000	0.96	3.96	0.047	0.00	0.18	0.673	Uniform>
164	ER	720	973	0.59	33.34	0.000	-0.07	0.02	0.879	0.01	2.10	0.148	Uniform>
165	ER	698	991	0.51	24.53	0.000	0.34	0.56	0.453	0.00	0.14	0.710	Uniform>
166	ER	698	991	0.72	46.53	0.000	0.86	3.37	0.066	0.00	0.10	0.753	Uniform>
167	ER	692	941	0.16	2.31	0.128	-0.10	0.04	0.833	0.00	0.31	0.580	
168	ER	692	941	0.45	15.22	0.000	1.22	5.57	0.018	-0.01	2.35	0.125	Uniform>

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.161: Logistic Regression DIF Results on Stage III Writing Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
118	MC	5193	1475	-0.27	13.34	0.000	-0.40	1.47	0.225	0.00	0.16	0.689	Uniform<
119	MC	5193	1475	-0.14	4.26	0.039	-0.57	2.60	0.107	0.01	1.54	0.214	
120	MC	1274	379	-0.09	0.49	0.483	0.66	0.89	0.345	-0.01	1.19	0.276	
121	MC	1274	379	0.04	0.08	0.778	-0.02	0.00	0.974	0.00	0.01	0.928	Uniform<
122	MC	1274	379	-0.08	0.33	0.567	-0.23	0.10	0.750	0.00	0.04	0.832	
123	MC	1274	379	-0.11	0.79	0.375	0.30	0.18	0.670	-0.01	0.36	0.550	
124	MC	1274	379	-0.64	9.78	0.002	-2.02	6.22	0.013	0.02	3.20	0.074	Uniform<
125	MC	1274	379	0.22	2.23	0.136	-0.59	0.66	0.418	0.01	1.30	0.254	
126	MC	1274	379	-0.12	0.91	0.340	0.41	0.34	0.559	-0.01	0.59	0.443	
127	MC	1274	379	0.09	0.42	0.516	0.84	1.10	0.294	-0.01	0.91	0.340	NonUniform
128	MC	1274	379	-0.04	0.08	0.772	0.78	1.17	0.280	-0.01	1.33	0.248	
129	MC	1274	379	-0.04	0.04	0.843	-0.67	0.62	0.430	0.01	0.59	0.444	
130	MC	1253	440	-0.40	4.15	0.042	-2.68	16.00	0.000	0.04	12.91	0.000	NonUniform
131	MC	1253	440	-0.08	0.49	0.484	-0.73	1.83	0.176	0.01	1.51	0.219	
132	MC	1253	440	-0.22	3.06	0.080	-1.08	2.91	0.088	0.01	1.92	0.166	
133	MC	1253	440	-0.09	0.64	0.422	-0.68	1.47	0.226	0.01	1.14	0.286	NonUniform
134	MC	1253	440	-0.07	0.31	0.580	-0.52	0.56	0.455	0.01	0.43	0.511	
135	MC	1253	440	-0.10	0.69	0.406	0.05	0.01	0.941	0.00	0.06	0.812	
136	MC	1253	440	-0.21	1.51	0.219	-1.35	3.90	0.048	0.02	2.97	0.085	NonUniform
137	MC	1253	440	-0.15	0.91	0.340	-1.98	10.05	0.002	0.03	9.16	0.002	
138	MC	1253	440	-0.07	0.37	0.542	-1.06	3.10	0.078	0.02	2.78	0.095	
139	MC	1253	440	-0.29	4.12	0.042	-1.10	2.85	0.091	0.01	1.61	0.204	Uniform<
140	MC	1310	379	-0.38	3.38	0.066	0.41	0.24	0.626	-0.01	0.94	0.332	
141	MC	1310	379	0.04	0.10	0.755	0.52	0.80	0.371	-0.01	0.72	0.396	
142	MC	1310	379	-0.05	0.15	0.700	-0.90	2.11	0.146	0.01	1.96	0.161	Uniform<
143	MC	1310	379	-0.02	0.03	0.866	1.16	3.04	0.081	-0.02	3.28	0.070	
144	MC	1310	379	0.18	1.71	0.191	1.58	4.79	0.029	-0.02	3.90	0.048	
145	MC	1310	379	-0.34	7.27	0.007	-0.49	0.64	0.425	0.00	0.06	0.802	Uniform<
146	MC	1310	379	-0.08	0.32	0.569	-0.31	0.22	0.639	0.00	0.13	0.718	
147	MC	1310	379	-0.28	5.21	0.022	0.00	0.00	0.999	0.00	0.21	0.644	
148	MC	1310	379	0.35	5.83	0.016	-0.76	1.16	0.281	0.02	2.59	0.108	Uniform>
149	MC	1310	379	0.21	2.66	0.103	0.29	0.18	0.667	0.00	0.02	0.897	
150	MC	1356	277	0.06	0.18	0.674	-0.59	0.66	0.417	0.01	0.85	0.356	
151	MC	1356	277	-0.12	0.59	0.443	0.41	0.30	0.587	-0.01	0.52	0.470	Uniform>
152	MC	1356	277	0.02	0.02	0.891	-0.71	0.96	0.326	0.01	1.06	0.304	
153	MC	1356	277	-0.05	0.15	0.701	0.11	0.02	0.875	0.00	0.06	0.814	
154	MC	1356	277	-0.06	0.19	0.665	0.82	1.29	0.256	-0.01	1.54	0.215	Uniform>
155	MC	1356	277	0.41	8.05	0.005	1.42	3.16	0.076	-0.02	1.65	0.199	
156	MC	1356	277	0.38	4.07	0.044	-0.52	0.28	0.595	0.02	0.88	0.349	
157	MC	1356	277	-0.14	0.71	0.400	1.09	1.23	0.268	-0.02	1.62	0.204	Uniform>
158	MC	1356	277	-0.08	0.25	0.618	1.38	2.35	0.125	-0.02	2.70	0.100	
159	MC	1356	277	-0.13	0.83	0.362	0.70	1.02	0.312	-0.01	1.48	0.224	
160	ER	5193	1475	0.04	0.35	0.551	0.31	1.22	0.269	0.00	1.00	0.318	Uniform>
161	ER	1274	379	0.01	0.01	0.938	-0.59	0.97	0.326	0.01	1.03	0.309	
162	ER	1274	379	-0.16	1.58	0.208	-0.59	0.97	0.323	0.01	0.55	0.457	
163	ER	1253	440	0.01	0.00	0.954	0.18	0.12	0.733	0.00	0.11	0.737	Uniform>
164	ER	1253	440	0.18	2.41	0.121	0.10	0.04	0.840	0.00	0.02	0.887	
165	ER	1310	379	0.06	0.25	0.620	0.35	0.42	0.518	0.00	0.30	0.583	
166	ER	1310	379	0.08	0.47	0.493	0.36	0.44	0.507	0.00	0.27	0.601	Uniform>
167	ER	1356	277	0.17	1.52	0.217	0.73	1.23	0.268	-0.01	0.75	0.385	
168	ER	1356	277	0.31	4.27	0.039	0.26	0.14	0.707	0.00	0.01	0.934	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.162: Logistic Regression DIF Results on Stage III Writing Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
118	MC	513	6155	0.07	0.44	0.506	-0.82	2.04	0.153	0.01	2.49	0.114	Uniform<
119	MC	513	6155	0.08	0.65	0.420	-0.75	1.44	0.230	0.01	1.83	0.176	
120	MC	69	1584	-0.41	2.26	0.133	-0.79	0.23	0.633	0.01	0.05	0.817	
121	MC	69	1584	-0.18	0.46	0.497	-3.55	3.63	0.057	0.05	3.45	0.063	
122	MC	69	1584	-0.07	0.06	0.808	0.21	0.02	0.889	0.00	0.04	0.851	
123	MC	69	1584	0.37	2.12	0.146	0.36	0.06	0.800	0.00	0.00	0.992	
124	MC	69	1584	-0.05	0.02	0.894	2.70	3.08	0.079	-0.05	3.56	0.059	
125	MC	69	1584	-0.73	6.99	0.008	0.59	0.17	0.680	-0.02	0.88	0.347	
126	MC	69	1584	0.11	0.17	0.680	0.81	0.33	0.563	-0.01	0.26	0.611	
127	MC	69	1584	-0.51	3.51	0.061	0.93	0.37	0.541	-0.02	0.92	0.339	
128	MC	69	1584	0.37	1.81	0.179	-3.58	3.02	0.082	0.06	3.72	0.054	
129	MC	69	1584	-0.24	0.49	0.484	-2.07	1.04	0.308	0.03	0.83	0.362	
130	MC	178	1515	-0.47	3.84	0.050	-2.12	2.75	0.097	0.03	1.70	0.192	
131	MC	178	1515	-0.18	1.16	0.281	-1.78	3.45	0.063	0.02	2.88	0.090	
132	MC	178	1515	-0.06	0.12	0.731	-1.89	2.88	0.090	0.03	2.77	0.096	
133	MC	178	1515	0.13	0.62	0.432	-1.50	2.42	0.120	0.02	2.96	0.085	
134	MC	178	1515	0.21	1.53	0.216	-0.06	0.00	0.956	0.00	0.07	0.789	
135	MC	178	1515	0.03	0.03	0.855	-0.46	0.22	0.642	0.01	0.26	0.613	
136	MC	178	1515	-0.25	1.25	0.264	-2.43	3.24	0.072	0.04	2.64	0.104	
137	MC	178	1515	0.05	0.06	0.809	0.78	0.54	0.464	-0.01	0.49	0.484	
138	MC	178	1515	0.13	0.62	0.433	-1.58	2.27	0.132	0.03	2.75	0.097	
139	MC	178	1515	0.07	0.13	0.716	-0.66	0.35	0.554	0.01	0.45	0.504	
140	MC	152	1537	-0.22	0.81	0.368	-0.26	0.05	0.819	0.00	0.00	0.974	
141	MC	152	1537	0.21	1.47	0.226	-0.27	0.09	0.761	0.01	0.30	0.582	
142	MC	152	1537	0.17	0.92	0.339	1.15	1.57	0.210	-0.02	1.18	0.277	
143	MC	152	1537	0.00	0.00	0.992	-0.40	0.16	0.686	0.01	0.17	0.679	
144	MC	152	1537	-0.35	3.36	0.067	0.15	0.03	0.873	-0.01	0.28	0.594	
145	MC	152	1537	0.18	0.92	0.337	1.26	1.92	0.166	-0.02	1.46	0.227	
146	MC	152	1537	0.24	1.62	0.203	-0.01	0.00	0.994	0.00	0.06	0.803	
147	MC	152	1537	-0.18	0.99	0.320	-0.35	0.12	0.727	0.00	0.03	0.864	
148	MC	152	1537	-0.19	0.87	0.351	-1.18	1.01	0.315	0.02	0.74	0.390	
149	MC	152	1537	0.18	0.95	0.329	0.69	0.51	0.474	-0.01	0.29	0.587	
150	MC	114	1519	-0.12	0.28	0.596	-2.48	3.27	0.070	0.04	3.01	0.083	
151	MC	114	1519	-0.16	0.45	0.504	-1.65	1.38	0.240	0.02	1.19	0.276	
152	MC	114	1519	0.09	0.20	0.654	-0.94	0.55	0.457	0.02	0.69	0.407	
153	MC	114	1519	0.05	0.05	0.816	0.98	0.79	0.375	-0.01	0.73	0.391	
154	MC	114	1519	0.04	0.04	0.846	-1.39	1.31	0.252	0.02	1.43	0.232	
155	MC	114	1519	-0.05	0.05	0.820	-0.45	0.14	0.712	0.01	0.11	0.738	
156	MC	114	1519	0.20	0.50	0.480	-1.07	0.35	0.555	0.02	0.50	0.479	
157	MC	114	1519	0.09	0.15	0.703	-0.93	0.39	0.533	0.02	0.48	0.488	
158	MC	114	1519	-0.03	0.01	0.908	-0.34	0.07	0.793	0.01	0.06	0.806	
159	MC	114	1519	0.22	1.20	0.274	0.79	0.52	0.473	-0.01	0.28	0.600	
160	ER	513	6155	0.06	0.36	0.550	0.96	3.82	0.051	-0.01	3.56	0.059	
161	ER	69	1584	0.16	0.41	0.521	0.72	0.30	0.583	-0.01	0.18	0.668	
162	ER	69	1584	0.59	5.33	0.021	3.50	6.93	0.008	-0.04	5.00	0.025	
163	ER	178	1515	0.23	1.81	0.179	-0.12	0.02	0.889	0.01	0.16	0.685	
164	ER	178	1515	0.17	1.13	0.287	-1.14	1.88	0.170	0.02	2.62	0.106	
165	ER	152	1537	0.27	2.33	0.127	0.91	1.25	0.264	-0.01	0.66	0.416	
166	ER	152	1537	0.22	1.56	0.211	0.71	0.71	0.399	-0.01	0.36	0.551	
167	ER	114	1519	-0.15	0.54	0.462	-0.29	0.07	0.786	0.00	0.02	0.893	
168	ER	114	1519	0.01	0.00	0.978	-0.23	0.04	0.839	0.00	0.04	0.832	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.163: Logistic Regression DIF Results on Stage III Writing Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
118	MC	1334	5334	-0.27	16.03	0.000	-1.23	12.96	0.000	0.02	8.10	0.004	NonUniform
119	MC	1334	5334	-0.19	7.91	0.005	-0.07	0.04	0.851	0.00	0.12	0.725	Uniform<
120	MC	361	1292	0.16	1.45	0.229	0.64	0.98	0.321	-0.01	0.58	0.448	
121	MC	361	1292	0.38	8.28	0.004	1.14	3.62	0.057	-0.01	1.70	0.192	Uniform>
122	MC	361	1292	-0.12	0.74	0.390	-0.85	1.49	0.222	0.01	1.16	0.282	
123	MC	361	1292	0.05	0.15	0.698	0.81	1.57	0.210	-0.01	1.43	0.232	
124	MC	361	1292	-0.08	0.23	0.632	0.52	0.56	0.456	-0.01	0.78	0.378	
125	MC	361	1292	-0.03	0.05	0.820	-0.13	0.03	0.855	0.00	0.02	0.889	
126	MC	361	1292	-0.16	1.36	0.244	0.45	0.46	0.496	-0.01	0.88	0.349	
127	MC	361	1292	-0.38	7.92	0.005	1.46	4.64	0.031	-0.03	7.66	0.006	NonUniform
128	MC	361	1292	-0.06	0.20	0.656	0.69	1.19	0.275	-0.01	1.47	0.226	
129	MC	361	1292	-0.64	16.94	0.000	-1.09	1.98	0.159	0.01	0.35	0.553	Uniform<
130	MC	326	1367	-0.26	2.31	0.129	-1.55	3.27	0.070	0.02	2.32	0.128	
131	MC	326	1367	-0.19	2.18	0.140	-1.43	4.59	0.032	0.02	3.57	0.059	
132	MC	326	1367	-0.10	0.54	0.462	0.54	0.60	0.440	-0.01	0.87	0.351	
133	MC	326	1367	0.01	0.01	0.921	0.05	0.01	0.939	0.00	0.00	0.954	
134	MC	326	1367	-0.25	2.83	0.092	-0.68	0.70	0.403	0.01	0.29	0.591	
135	MC	326	1367	-0.01	0.01	0.924	0.79	1.40	0.237	-0.01	1.50	0.220	
136	MC	326	1367	-0.25	2.54	0.111	0.72	0.90	0.344	-0.02	1.73	0.188	
137	MC	326	1367	-0.20	1.79	0.180	-0.24	0.11	0.745	0.00	0.00	0.959	
138	MC	326	1367	-0.31	5.37	0.021	-0.38	0.28	0.595	0.00	0.01	0.929	
139	MC	326	1367	-0.51	13.08	0.000	-0.71	0.92	0.338	0.00	0.08	0.782	Uniform<
140	MC	301	1388	-0.35	3.97	0.046	-1.73	4.07	0.044	0.03	2.67	0.102	
141	MC	301	1388	0.27	4.02	0.045	0.04	0.00	0.952	0.00	0.15	0.697	
142	MC	301	1388	-0.19	1.74	0.187	0.05	0.01	0.937	0.00	0.13	0.720	
143	MC	301	1388	-0.28	4.12	0.042	-0.78	1.31	0.253	0.01	0.56	0.454	
144	MC	301	1388	-0.18	1.51	0.220	-1.12	2.45	0.118	0.02	1.80	0.180	
145	MC	301	1388	0.01	0.00	0.956	-0.42	0.35	0.553	0.01	0.39	0.535	
146	MC	301	1388	-0.28	3.86	0.049	-0.16	0.05	0.816	0.00	0.03	0.866	
147	MC	301	1388	0.01	0.00	0.969	-0.46	0.47	0.491	0.01	0.51	0.476	
148	MC	301	1388	-0.27	3.29	0.070	-0.04	0.00	0.957	0.00	0.10	0.751	
149	MC	301	1388	-0.35	5.90	0.015	-0.87	1.37	0.242	0.01	0.51	0.475	
150	MC	346	1287	-0.26	3.74	0.053	-2.96	15.96	0.000	0.05	13.61	0.000	NonUniform
151	MC	346	1287	0.14	0.94	0.333	0.65	0.95	0.329	-0.01	0.61	0.436	
152	MC	346	1287	-0.30	5.15	0.023	-0.25	0.14	0.708	0.00	0.00	0.944	
153	MC	346	1287	-0.01	0.01	0.922	-1.52	4.99	0.026	0.03	5.11	0.024	
154	MC	346	1287	-0.08	0.34	0.559	0.13	0.04	0.833	0.00	0.11	0.735	
155	MC	346	1287	-0.34	6.82	0.009	-0.33	0.25	0.614	0.00	0.00	0.983	Uniform<
156	MC	346	1287	-0.56	13.03	0.000	-1.33	2.29	0.130	0.01	0.80	0.371	Uniform<
157	MC	346	1287	-0.23	2.57	0.109	0.56	0.58	0.445	-0.01	1.21	0.272	
158	MC	346	1287	-0.28	4.13	0.042	0.03	0.00	0.964	-0.01	0.21	0.649	
159	MC	346	1287	-0.22	3.00	0.083	-0.38	0.41	0.520	0.00	0.08	0.777	
160	ER	1334	5334	-0.32	20.96	0.000	-0.76	6.91	0.009	0.01	2.49	0.114	Uniform<
161	ER	361	1292	-0.25	3.75	0.053	0.17	0.09	0.765	-0.01	0.57	0.449	
162	ER	361	1292	-0.34	6.51	0.011	0.19	0.11	0.741	-0.01	0.89	0.345	
163	ER	326	1367	-0.18	1.77	0.184	-0.95	2.41	0.121	0.01	1.65	0.198	
164	ER	326	1367	-0.37	8.32	0.004	-0.53	0.83	0.361	0.00	0.08	0.779	Uniform<
165	ER	301	1388	-0.49	13.47	0.000	-0.89	2.32	0.128	0.01	0.48	0.487	Uniform<
166	ER	301	1388	-0.59	18.45	0.000	-1.84	10.03	0.002	0.02	4.90	0.027	Uniform<
167	ER	346	1287	-0.44	11.18	0.001	-0.75	1.69	0.193	0.01	0.31	0.576	Uniform<
168	ER	346	1287	-0.40	7.70	0.006	-1.57	6.96	0.008	0.02	4.13	0.042	Uniform<

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.164: Logistic Regression DIF Results on Stage III Writing Items for the Spanish/Non-Spanish on Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
118	MC	5436	1232	-0.15	3.75	0.053	0.04	0.01	0.910	0.00	0.30	0.586	
119	MC	5436	1232	0.14	3.88	0.049	0.16	0.17	0.680	0.00	0.00	0.953	
120	MC	1376	277	-0.07	0.29	0.592	-0.30	0.18	0.673	0.00	0.10	0.747	
121	MC	1376	277	0.02	0.03	0.873	0.24	0.12	0.724	0.00	0.11	0.743	
122	MC	1376	277	0.00	0.00	0.980	0.82	1.03	0.311	-0.01	1.05	0.304	
123	MC	1376	277	-0.23	2.61	0.106	0.16	0.05	0.831	-0.01	0.28	0.595	
124	MC	1376	277	-0.24	1.45	0.229	0.17	0.04	0.835	-0.01	0.26	0.612	
125	MC	1376	277	0.27	2.83	0.092	-1.26	2.96	0.086	0.02	4.59	0.032	
126	MC	1376	277	0.02	0.02	0.880	1.03	1.71	0.191	-0.01	1.71	0.192	
127	MC	1376	277	0.29	3.68	0.055	0.71	0.68	0.408	-0.01	0.25	0.617	
128	MC	1376	277	-0.22	2.23	0.135	0.94	1.44	0.230	-0.02	2.26	0.132	
129	MC	1376	277	0.25	1.79	0.180	0.27	0.09	0.766	0.00	0.00	0.987	
130	MC	1335	358	-0.07	0.13	0.715	-0.46	0.42	0.518	0.01	0.32	0.569	
131	MC	1335	358	-0.28	4.77	0.029	-0.78	1.89	0.170	0.01	0.81	0.369	
132	MC	1335	358	-0.05	0.15	0.700	-0.04	0.00	0.951	0.00	0.00	0.990	
133	MC	1335	358	0.02	0.02	0.884	-0.86	2.15	0.143	0.01	2.33	0.127	
134	MC	1335	358	-0.06	0.20	0.658	0.17	0.05	0.818	0.00	0.10	0.755	
135	MC	1335	358	0.11	0.75	0.387	-1.20	3.63	0.057	0.02	4.50	0.034	
136	MC	1335	358	-0.16	0.86	0.353	-1.19	2.83	0.092	0.02	2.25	0.134	
137	MC	1335	358	0.02	0.01	0.909	-1.26	3.68	0.055	0.02	4.04	0.045	
138	MC	1335	358	0.05	0.15	0.698	-1.87	9.43	0.002	0.03	10.29	0.001	NonUniform
139	MC	1335	358	-0.10	0.44	0.507	-0.70	1.04	0.308	0.01	0.80	0.370	
140	MC	1369	320	-0.08	0.14	0.704	0.60	0.45	0.504	-0.01	0.60	0.439	
141	MC	1369	320	-0.05	0.15	0.699	0.29	0.20	0.651	-0.01	0.29	0.588	
142	MC	1369	320	0.00	0.00	0.995	-1.14	2.93	0.087	0.02	3.03	0.082	
143	MC	1369	320	0.09	0.45	0.504	1.52	4.14	0.042	-0.02	3.82	0.051	
144	MC	1369	320	0.07	0.24	0.627	1.65	4.33	0.037	-0.03	4.10	0.043	
145	MC	1369	320	-0.16	1.48	0.224	0.80	1.22	0.269	-0.01	1.85	0.173	
146	MC	1369	320	-0.10	0.49	0.484	-0.72	1.03	0.310	0.01	0.80	0.372	
147	MC	1369	320	-0.16	1.60	0.206	-0.92	2.05	0.152	0.01	1.44	0.229	
148	MC	1369	320	0.09	0.32	0.571	-1.12	2.28	0.131	0.02	2.76	0.096	
149	MC	1369	320	0.20	2.35	0.125	-0.83	1.42	0.234	0.02	2.27	0.132	
150	MC	1356	277	0.12	0.59	0.442	-0.21	0.08	0.778	0.01	0.20	0.656	
151	MC	1356	277	-0.09	0.35	0.556	-0.78	1.05	0.306	0.01	0.84	0.359	
152	MC	1356	277	0.08	0.36	0.550	-0.25	0.10	0.746	0.01	0.20	0.659	
153	MC	1356	277	-0.11	0.67	0.414	1.65	4.34	0.037	-0.03	5.12	0.024	
154	MC	1356	277	-0.37	7.47	0.006	-0.05	0.00	0.947	-0.01	0.21	0.645	Uniform<
155	MC	1356	277	0.36	6.21	0.013	0.19	0.06	0.807	0.00	0.05	0.817	
156	MC	1356	277	0.38	4.39	0.036	0.06	0.00	0.955	0.01	0.11	0.744	
157	MC	1356	277	-0.20	1.38	0.240	0.28	0.09	0.763	-0.01	0.27	0.603	
158	MC	1356	277	0.23	2.24	0.135	1.31	2.21	0.137	-0.02	1.56	0.212	
159	MC	1356	277	-0.13	0.96	0.327	0.00	0.00	0.999	0.00	0.04	0.844	
160	ER	5436	1232	0.02	0.08	0.773	-0.28	0.86	0.353	0.00	1.04	0.307	
161	ER	1376	277	0.22	2.41	0.121	0.31	0.24	0.625	0.00	0.02	0.881	
162	ER	1376	277	0.08	0.34	0.558	-0.03	0.00	0.965	0.00	0.03	0.860	
163	ER	1335	358	-0.08	0.41	0.524	0.00	0.00	0.993	0.00	0.03	0.871	
164	ER	1335	358	-0.18	2.16	0.142	-1.76	11.32	0.001	0.03	9.56	0.002	NonUniform
165	ER	1369	320	0.18	1.94	0.164	-0.12	0.04	0.842	0.00	0.26	0.607	
166	ER	1369	320	0.08	0.40	0.526	0.27	0.21	0.650	0.00	0.11	0.744	
167	ER	1356	277	0.13	0.84	0.360	-0.07	0.01	0.918	0.00	0.09	0.763	
168	ER	1356	277	0.16	1.12	0.289	-0.66	0.88	0.348	0.01	1.44	0.230	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.165: Logistic Regression DIF Results on Stage III Writing Items for the Spanish/English on Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
118	MC	5436	671	-0.02	0.03	0.862	-0.03	0.00	0.954	0.00	0.00	0.980	
119	MC	5436	671	0.17	3.58	0.058	1.08	3.63	0.057	-0.01	2.64	0.104	
120	MC	1376	155	-0.01	0.00	0.974	-0.30	0.11	0.746	0.00	0.11	0.746	
121	MC	1376	155	0.03	0.04	0.851	1.50	2.36	0.125	-0.02	2.37	0.124	
122	MC	1376	155	0.02	0.02	0.900	1.23	1.26	0.261	-0.02	1.25	0.263	
123	MC	1376	155	-0.21	1.40	0.236	0.70	0.50	0.478	-0.01	0.89	0.345	
124	MC	1376	155	-0.08	0.12	0.730	1.03	0.84	0.360	-0.02	1.01	0.315	
125	MC	1376	155	0.12	0.37	0.544	-1.62	3.07	0.080	0.03	3.78	0.052	
126	MC	1376	155	0.36	3.68	0.055	2.19	3.62	0.057	-0.03	2.64	0.104	
127	MC	1376	155	0.19	1.02	0.312	1.90	2.34	0.126	-0.03	1.94	0.163	
128	MC	1376	155	-0.25	1.76	0.184	1.43	1.77	0.183	-0.03	2.51	0.113	
129	MC	1376	155	0.13	0.30	0.584	0.92	0.55	0.460	-0.01	0.41	0.520	
130	MC	1335	180	0.42	3.07	0.080	4.32	7.38	0.007	-0.07	6.02	0.014	
131	MC	1335	180	0.00	0.00	0.980	0.74	0.60	0.440	-0.01	0.62	0.430	
132	MC	1335	180	0.09	0.25	0.620	-0.29	0.08	0.775	0.01	0.14	0.707	
133	MC	1335	180	0.21	1.54	0.214	-0.17	0.03	0.858	0.01	0.16	0.687	
134	MC	1335	180	0.02	0.01	0.931	0.56	0.25	0.620	-0.01	0.24	0.624	
135	MC	1335	180	0.05	0.08	0.781	-1.01	1.13	0.288	0.02	1.28	0.258	
136	MC	1335	180	-0.09	0.15	0.695	0.93	0.48	0.486	-0.02	0.60	0.438	
137	MC	1335	180	-0.09	0.17	0.680	1.20	0.90	0.344	-0.02	1.06	0.303	
138	MC	1335	180	0.14	0.71	0.400	-1.53	2.65	0.103	0.03	3.26	0.071	
139	MC	1335	180	0.12	0.37	0.544	0.33	0.09	0.767	0.00	0.04	0.846	
140	MC	1369	166	0.24	0.94	0.333	0.84	0.39	0.532	-0.01	0.20	0.652	
141	MC	1369	166	0.12	0.54	0.461	0.32	0.12	0.730	0.00	0.05	0.830	
142	MC	1369	166	-0.06	0.11	0.739	0.72	0.47	0.492	-0.01	0.57	0.451	
143	MC	1369	166	0.15	0.72	0.395	1.15	1.30	0.254	-0.02	1.02	0.312	
144	MC	1369	166	-0.01	0.00	0.955	1.80	2.39	0.122	-0.03	2.47	0.116	
145	MC	1369	166	-0.13	0.57	0.452	1.56	2.14	0.143	-0.03	2.64	0.104	
146	MC	1369	166	0.05	0.07	0.797	0.08	0.01	0.941	0.00	0.00	0.977	
147	MC	1369	166	0.02	0.01	0.910	-1.42	2.43	0.119	0.02	2.57	0.109	
148	MC	1369	166	-0.22	1.04	0.307	-0.86	0.57	0.451	0.01	0.33	0.566	
149	MC	1369	166	0.01	0.01	0.936	-1.04	1.18	0.277	0.02	1.25	0.263	
150	MC	1356	170	0.27	2.16	0.142	0.08	0.01	0.937	0.00	0.04	0.843	
151	MC	1356	170	0.02	0.01	0.913	-0.26	0.06	0.802	0.00	0.08	0.782	
152	MC	1356	170	0.21	1.47	0.225	0.07	0.00	0.945	0.00	0.02	0.884	
153	MC	1356	170	-0.19	1.29	0.256	2.00	3.67	0.056	-0.03	4.53	0.033	
154	MC	1356	170	-0.39	5.37	0.020	-0.20	0.05	0.823	0.00	0.04	0.840	
155	MC	1356	170	0.26	2.08	0.149	-0.69	0.54	0.462	0.02	1.05	0.305	
156	MC	1356	170	0.29	1.66	0.198	-0.55	0.19	0.661	0.01	0.46	0.496	
157	MC	1356	170	-0.17	0.65	0.422	-0.55	0.23	0.629	0.01	0.12	0.731	
158	MC	1356	170	0.22	1.34	0.248	1.90	2.53	0.112	-0.03	2.03	0.155	
159	MC	1356	170	-0.11	0.45	0.502	0.48	0.28	0.599	-0.01	0.43	0.510	
160	ER	5436	671	0.01	0.01	0.905	-1.02	5.28	0.022	0.02	5.68	0.017	
161	ER	1376	155	0.31	2.98	0.084	-1.04	1.59	0.207	0.02	2.83	0.092	
162	ER	1376	155	0.14	0.59	0.443	-0.85	1.11	0.293	0.02	1.55	0.213	
163	ER	1335	180	-0.05	0.08	0.772	-0.22	0.06	0.813	0.00	0.03	0.852	
164	ER	1335	180	-0.12	0.54	0.462	-2.66	9.34	0.002	0.04	8.92	0.003	NonUniform
165	ER	1369	166	0.16	0.89	0.345	-0.93	1.17	0.280	0.02	1.69	0.194	
166	ER	1369	166	0.15	0.80	0.371	0.08	0.01	0.928	0.00	0.01	0.936	
167	ER	1356	170	0.11	0.44	0.505	-1.79	4.13	0.042	0.03	4.91	0.027	
168	ER	1356	170	0.08	0.19	0.664	-1.56	2.76	0.097	0.03	3.20	0.073	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.166: Logistic Regression DIF Results on Stage III Writing Items for the Non-Spanish/English on Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
118	MC	561	671	0.31	4.86	0.027	-0.15	0.06	0.814	0.01	0.55	0.457	
119	MC	561	671	0.07	0.29	0.591	1.70	5.73	0.017	-0.03	5.44	0.020	
120	MC	122	155	0.17	0.41	0.520	0.11	0.01	0.930	0.00	0.00	0.968	
121	MC	122	155	0.02	0.00	0.945	2.52	3.92	0.048	-0.04	4.02	0.045	
122	MC	122	155	0.02	0.01	0.940	0.87	0.34	0.561	-0.01	0.33	0.564	
123	MC	122	155	0.01	0.00	0.964	1.15	0.74	0.391	-0.02	0.75	0.387	
124	MC	122	155	0.42	1.13	0.287	1.98	1.63	0.201	-0.03	1.10	0.295	
125	MC	122	155	-0.27	0.89	0.345	-0.98	0.55	0.458	0.01	0.31	0.580	
126	MC	122	155	0.74	7.64	0.006	2.57	3.08	0.079	-0.03	1.62	0.203	Uniform>
127	MC	122	155	-0.25	0.76	0.382	2.13	1.72	0.189	-0.04	2.19	0.139	
128	MC	122	155	-0.12	0.18	0.667	0.92	0.39	0.530	-0.02	0.52	0.470	
129	MC	122	155	-0.30	0.71	0.398	1.14	0.48	0.488	-0.02	0.80	0.373	
130	MC	178	180	1.08	7.87	0.005	5.94	12.41	0.000	-0.09	8.88	0.003	NonUniform
131	MC	178	180	0.56	5.74	0.017	2.12	3.84	0.050	-0.03	2.17	0.140	
132	MC	178	180	0.29	1.53	0.217	-0.44	0.12	0.726	0.01	0.35	0.552	
133	MC	178	180	0.35	2.56	0.110	1.00	0.87	0.351	-0.01	0.38	0.536	
134	MC	178	180	0.15	0.43	0.513	0.66	0.23	0.629	-0.01	0.14	0.707	
135	MC	178	180	-0.15	0.47	0.491	0.28	0.06	0.805	-0.01	0.15	0.695	
136	MC	178	180	0.06	0.03	0.856	2.83	3.89	0.049	-0.05	3.88	0.049	
137	MC	178	180	-0.30	1.13	0.289	3.23	5.66	0.017	-0.06	6.90	0.009	NonUniform
138	MC	178	180	0.14	0.39	0.531	0.51	0.23	0.635	-0.01	0.13	0.723	
139	MC	178	180	0.43	2.58	0.108	1.47	1.37	0.241	-0.02	0.72	0.397	
140	MC	154	166	0.88	4.47	0.035	-0.07	0.00	0.968	0.02	0.32	0.572	
141	MC	154	166	0.38	2.63	0.105	0.02	0.00	0.985	0.01	0.10	0.757	
142	MC	154	166	-0.13	0.32	0.572	3.04	6.07	0.014	-0.05	6.83	0.009	NonUniform
143	MC	154	166	0.15	0.36	0.548	-0.74	0.28	0.597	0.01	0.41	0.519	
144	MC	154	166	-0.16	0.34	0.559	0.23	0.02	0.876	-0.01	0.07	0.788	
145	MC	154	166	0.07	0.09	0.766	1.34	1.02	0.313	-0.02	0.94	0.331	
146	MC	154	166	0.30	1.37	0.242	1.36	1.11	0.292	-0.02	0.70	0.401	
147	MC	154	166	0.37	2.53	0.111	-0.92	0.62	0.432	0.02	1.26	0.262	
148	MC	154	166	-0.59	4.85	0.028	0.31	0.05	0.821	-0.01	0.45	0.505	
149	MC	154	166	-0.39	2.80	0.094	-0.46	0.13	0.716	0.00	0.00	0.958	
150	MC	107	170	0.40	1.94	0.164	0.59	0.18	0.671	0.00	0.02	0.889	
151	MC	107	170	0.27	0.87	0.352	1.07	0.59	0.444	-0.01	0.34	0.559	
152	MC	107	170	0.32	1.50	0.220	0.69	0.24	0.622	-0.01	0.07	0.791	
153	MC	107	170	-0.22	0.67	0.414	0.73	0.24	0.625	-0.01	0.42	0.519	
154	MC	107	170	-0.04	0.02	0.876	-0.36	0.07	0.786	0.01	0.06	0.805	
155	MC	107	170	-0.26	0.94	0.333	-2.18	2.20	0.138	0.03	1.77	0.183	
156	MC	107	170	-0.23	0.48	0.489	-1.42	0.56	0.455	0.02	0.40	0.525	
157	MC	107	170	0.10	0.10	0.750	-2.21	1.40	0.237	0.04	1.57	0.210	
158	MC	107	170	-0.02	0.01	0.940	1.26	0.59	0.442	-0.02	0.63	0.426	
159	MC	107	170	0.05	0.04	0.835	1.05	0.67	0.412	-0.02	0.63	0.426	
160	ER	561	671	-0.02	0.03	0.867	-1.28	5.32	0.021	0.02	5.46	0.019	
161	ER	122	155	0.19	0.55	0.457	-2.53	4.72	0.030	0.04	5.70	0.017	
162	ER	122	155	0.14	0.30	0.582	-1.76	2.20	0.138	0.03	2.68	0.101	
163	ER	178	180	0.07	0.09	0.768	-0.29	0.08	0.777	0.01	0.13	0.724	
164	ER	178	180	0.07	0.10	0.750	-1.26	1.55	0.213	0.02	1.82	0.177	
165	ER	154	166	-0.05	0.04	0.835	-1.42	1.63	0.202	0.02	1.61	0.204	
166	ER	154	166	0.17	0.49	0.484	-0.41	0.13	0.720	0.01	0.27	0.605	
167	ER	107	170	-0.01	0.00	0.958	-4.38	10.68	0.001	0.07	11.21	0.001	NonUniform
168	ER	107	170	-0.22	0.60	0.437	-1.86	1.95	0.162	0.03	1.61	0.205	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.167: Logistic Regression DIF Results on Stage III Writing Items for the American Indian Language/English on Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
118	MC	103	671	0.33	1.45	0.229	0.83	0.31	0.579	-0.01	0.12	0.733	
119	MC	103	671	0.41	2.74	0.098	-1.94	1.05	0.305	0.04	1.57	0.210	
120	MC	7	155	-1.46	1.73	0.188	-0.51	0.01	0.937	-0.01	0.02	0.882	
121	MC	7	155	-0.32	0.13	0.716	1.85	0.15	0.696	-0.03	0.21	0.646	
122	MC	7	155	0.33	0.13	0.721	4.17	0.82	0.366	-0.06	0.76	0.384	
123	MC	7	155	-0.62	0.49	0.484	-1.83	0.10	0.755	0.02	0.04	0.834	
124	MC	7	155	11.98	0.00	0.973	14.07	0.00	0.977	-0.08	0.00	0.991	
125	MC	7	155	-0.05	0.00	0.956	3.96	0.71	0.400	-0.06	0.79	0.373	
126	MC	7	155	1.10	1.66	0.198	5.65	1.74	0.187	-0.07	1.19	0.275	
127	MC	7	155	0.13	0.02	0.892	3.25	0.51	0.474	-0.05	0.49	0.482	
128	MC	7	155	1.39	1.44	0.230	-7.21	0.16	0.689	0.16	0.21	0.645	
129	MC	7	155	-0.90	0.81	0.367	-139.75	0.11	0.739	2.55	0.11	0.741	
130	MC	48	180	-0.43	0.60	0.440	2.13	0.39	0.530	-0.04	0.59	0.441	
131	MC	48	180	0.13	0.12	0.730	1.25	0.32	0.572	-0.02	0.27	0.606	
132	MC	48	180	0.52	1.88	0.171	-2.87	1.05	0.305	0.05	1.48	0.223	
133	MC	48	180	0.50	2.20	0.138	2.36	1.31	0.253	-0.03	0.84	0.361	
134	MC	48	180	0.09	0.07	0.792	1.02	0.19	0.660	-0.01	0.16	0.686	
135	MC	48	180	-0.11	0.10	0.755	-2.79	1.27	0.260	0.04	1.20	0.274	
136	MC	48	180	0.22	0.14	0.713	-0.20	0.00	0.958	0.01	0.01	0.910	
137	MC	48	180	-1.15	7.02	0.008	2.53	1.09	0.298	-0.06	2.38	0.123	Uniform<
138	MC	48	180	0.23	0.45	0.502	-1.81	0.62	0.432	0.03	0.80	0.371	
139	MC	48	180	0.20	0.21	0.646	-2.40	0.60	0.439	0.04	0.71	0.399	
140	MC	41	166	0.51	0.68	0.410	2.06	0.53	0.467	-0.03	0.32	0.572	
141	MC	41	166	1.17	8.81	0.003	0.86	0.17	0.681	0.00	0.02	0.878	Uniform>
142	MC	41	166	-0.14	0.14	0.711	3.87	4.09	0.043	-0.06	4.52	0.033	
143	MC	41	166	-0.11	0.09	0.763	-5.07	2.37	0.123	0.08	2.30	0.129	
144	MC	41	166	-0.42	1.06	0.303	0.17	0.00	0.947	-0.01	0.06	0.813	
145	MC	41	166	0.49	1.75	0.186	1.69	0.68	0.409	-0.02	0.36	0.550	
146	MC	41	166	0.12	0.10	0.752	1.02	0.21	0.647	-0.01	0.17	0.682	
147	MC	41	166	0.02	0.00	0.952	-2.51	1.26	0.261	0.04	1.32	0.251	
148	MC	41	166	-1.26	9.65	0.002	-3.99	1.74	0.188	0.04	0.83	0.363	Uniform<
149	MC	41	166	-0.32	0.76	0.384	0.09	0.00	0.964	-0.01	0.04	0.840	
150	MC	7	170	0.05	0.00	0.956	2.29	0.15	0.699	-0.03	0.15	0.699	
151	MC	7	170	-0.46	0.17	0.677	2.98	0.16	0.686	-0.05	0.21	0.645	
152	MC	7	170	0.71	0.64	0.422	-10.41	0.64	0.424	0.18	0.74	0.390	
153	MC	7	170	-1.21	1.84	0.175	-7.06	0.51	0.475	0.09	0.36	0.549	
154	MC	7	170	-1.25	2.08	0.149	2.39	0.16	0.686	-0.06	0.38	0.540	
155	MC	7	170	-0.94	1.40	0.236	10.88	1.69	0.193	-0.18	2.01	0.156	
156	MC	7	170	13.05	0.00	0.981	15.13	0.00	0.979	-0.10	0.00	0.991	
157	MC	7	170	0.39	0.12	0.730	-65.45	0.03	0.866	1.18	0.03	0.861	
158	MC	7	170	0.90	0.61	0.436	5.77	0.59	0.441	-0.08	0.46	0.496	
159	MC	7	170	0.40	0.21	0.645	-6.77	0.62	0.430	0.11	0.70	0.402	
160	ER	103	671	0.05	0.05	0.820	-0.01	0.00	0.993	0.00	0.00	0.961	
161	ER	7	155	-0.76	0.85	0.356	-6.97	2.87	0.090	0.09	2.21	0.137	
162	ER	7	155	1.07	1.81	0.179	8.20	3.75	0.053	-0.11	2.97	0.085	
163	ER	48	180	0.63	3.21	0.073	-1.26	0.32	0.573	0.03	0.73	0.392	
164	ER	48	180	0.26	0.61	0.434	-3.40	2.49	0.115	0.05	2.93	0.087	
165	ER	41	166	0.86	5.36	0.021	-0.89	0.22	0.643	0.03	0.87	0.352	
166	ER	41	166	1.42	12.78	0.000	1.74	0.70	0.404	0.00	0.02	0.876	Uniform>
167	ER	7	170	-0.84	0.93	0.334	-26.60	3.17	0.075	0.39	2.96	0.085	
168	ER	7	170	-1.16	1.34	0.247	5.83	0.55	0.458	-0.11	0.81	0.368	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.168: Logistic Regression DIF Results on Stage III Writing Items for the ELL/Non-ELL on Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
118	MC	6668	1991	0.15	4.57	0.033	-0.96	13.40	0.000	0.02	19.10	0.000	NonUniform
119	MC	6668	1991	-0.44	36.83	0.000	-0.28	0.76	0.384	0.00	0.23	0.633	Uniform<
120	MC	1653	560	-0.45	16.03	0.000	-0.32	0.37	0.541	0.00	0.06	0.801	Uniform<
121	MC	1653	560	-0.04	0.14	0.711	0.61	1.35	0.245	-0.01	1.62	0.202	
122	MC	1653	560	-0.31	4.91	0.027	-1.34	6.24	0.012	0.02	3.95	0.047	
123	MC	1653	560	-0.21	3.49	0.062	0.99	2.77	0.096	-0.02	4.29	0.038	
124	MC	1653	560	-0.36	3.80	0.051	-0.63	1.19	0.275	0.00	0.24	0.622	
125	MC	1653	560	-0.03	0.06	0.813	-2.39	21.44	0.000	0.04	22.48	0.000	NonUniform
126	MC	1653	560	0.25	4.70	0.030	1.19	3.70	0.054	-0.01	2.41	0.120	
127	MC	1653	560	-0.68	22.32	0.000	-0.97	2.46	0.116	0.00	0.23	0.632	Uniform<
128	MC	1653	560	-0.35	7.25	0.007	-0.29	0.26	0.607	0.00	0.01	0.903	Uniform<
129	MC	1653	560	-0.47	5.26	0.022	-1.21	3.69	0.055	0.01	1.54	0.214	
130	MC	1693	512	0.12	0.36	0.546	-0.16	0.05	0.823	0.00	0.17	0.680	
131	MC	1693	512	0.32	7.26	0.007	-0.17	0.10	0.747	0.01	0.90	0.344	Uniform>
132	MC	1693	512	-0.09	0.43	0.510	0.12	0.03	0.860	0.00	0.10	0.753	
133	MC	1693	512	0.05	0.22	0.636	0.16	0.08	0.777	0.00	0.04	0.849	
134	MC	1693	512	-0.03	0.07	0.794	0.54	0.65	0.420	-0.01	0.75	0.385	
135	MC	1693	512	0.09	0.48	0.489	2.06	8.16	0.004	-0.03	7.79	0.005	NonUniform
136	MC	1693	512	0.04	0.06	0.808	-0.57	0.66	0.417	0.01	0.83	0.363	
137	MC	1693	512	0.27	2.65	0.104	0.37	0.29	0.591	0.00	0.02	0.880	
138	MC	1693	512	-0.30	6.00	0.014	-0.09	0.02	0.879	0.00	0.13	0.721	
139	MC	1693	512	-0.05	0.09	0.758	-0.24	0.12	0.726	0.00	0.08	0.773	
140	MC	1689	474	-0.22	1.13	0.287	-2.26	14.31	0.000	0.04	13.69	0.000	NonUniform
141	MC	1689	474	-0.17	2.14	0.144	-0.32	0.48	0.487	0.00	0.12	0.732	
142	MC	1689	474	0.02	0.03	0.870	-0.53	1.01	0.314	0.01	1.15	0.284	
143	MC	1689	474	-0.09	0.49	0.484	-0.28	0.29	0.593	0.00	0.14	0.705	
144	MC	1689	474	-0.44	7.31	0.007	-0.01	0.00	0.989	-0.01	0.55	0.459	Uniform<
145	MC	1689	474	-0.47	16.18	0.000	1.71	8.24	0.004	-0.03	14.32	0.000	NonUniform
146	MC	1689	474	-0.06	0.15	0.695	0.02	0.00	0.969	0.00	0.02	0.893	
147	MC	1689	474	-0.20	2.62	0.105	0.89	2.47	0.116	-0.02	3.88	0.049	
148	MC	1689	474	-0.28	2.90	0.089	-0.93	2.22	0.136	0.01	1.15	0.284	
149	MC	1689	474	-0.06	0.22	0.641	0.27	0.21	0.647	0.00	0.33	0.567	
150	MC	1633	445	0.29	4.42	0.035	-0.52	0.85	0.355	0.01	2.25	0.133	
151	MC	1633	445	-0.02	0.03	0.868	2.12	10.05	0.002	-0.03	11.24	0.001	NonUniform
152	MC	1633	445	0.13	0.90	0.342	0.93	2.09	0.148	-0.01	1.64	0.201	
153	MC	1633	445	-0.10	0.68	0.409	1.08	3.28	0.070	-0.02	4.15	0.042	
154	MC	1633	445	-0.16	1.63	0.202	0.35	0.41	0.524	-0.01	0.89	0.345	
155	MC	1633	445	0.43	10.07	0.002	0.02	0.00	0.974	0.01	0.53	0.465	Uniform>
156	MC	1633	445	0.19	0.87	0.350	-0.04	0.00	0.965	0.00	0.07	0.787	
157	MC	1633	445	-0.14	0.60	0.437	1.38	2.46	0.117	-0.03	3.10	0.078	
158	MC	1633	445	0.15	0.97	0.325	0.63	0.83	0.362	-0.01	0.50	0.478	
159	MC	1633	445	-0.64	21.94	0.000	1.13	3.68	0.055	-0.03	9.51	0.002	NonUniform
160	ER	6668	1991	0.17	8.98	0.003	0.93	14.62	0.000	-0.01	10.34	0.001	NonUniform
161	ER	1653	560	0.44	16.11	0.000	1.62	12.89	0.000	-0.02	7.27	0.007	NonUniform
162	ER	1653	560	0.35	10.54	0.001	1.84	15.82	0.000	-0.02	11.10	0.001	NonUniform
163	ER	1693	512	0.15	1.67	0.197	1.22	5.98	0.014	-0.01	4.88	0.027	
164	ER	1693	512	0.21	3.62	0.057	0.70	1.98	0.159	-0.01	1.02	0.314	
165	ER	1689	474	-0.12	1.14	0.286	-0.23	0.24	0.622	0.00	0.06	0.813	
166	ER	1689	474	0.04	0.12	0.734	0.31	0.49	0.486	0.00	0.40	0.526	
167	ER	1633	445	0.07	0.35	0.556	0.83	2.55	0.110	-0.01	2.28	0.131	
168	ER	1633	445	0.38	8.95	0.003	1.38	6.63	0.010	-0.01	3.75	0.053	Uniform>

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.169: Logistic Regression DIF Results on Stage III Writing Items for the FEP/ELL on Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
118	MC	479	6668	0.14	0.92	0.338	1.93	3.88	0.049	-0.02	3.49	0.062	Uniform>
119	MC	479	6668	0.35	6.95	0.008	-0.88	0.79	0.373	0.02	1.57	0.210	
120	MC	107	1653	0.12	0.33	0.563	-3.86	3.90	0.048	0.05	4.20	0.040	
121	MC	107	1653	0.33	2.56	0.110	-1.93	1.34	0.247	0.03	1.87	0.171	
122	MC	107	1653	-0.07	0.07	0.797	0.59	0.09	0.762	-0.01	0.12	0.733	
123	MC	107	1653	0.08	0.13	0.717	-4.38	4.84	0.028	0.06	5.09	0.024	
124	MC	107	1653	0.49	1.07	0.302	-1.81	0.28	0.596	0.03	0.45	0.503	
125	MC	107	1653	0.43	1.34	0.247	-0.99	0.13	0.715	0.02	0.27	0.601	
126	MC	107	1653	-0.11	0.26	0.610	-1.12	0.43	0.514	0.01	0.35	0.552	
127	MC	107	1653	0.30	1.20	0.273	-4.33	2.96	0.086	0.06	3.35	0.067	
128	MC	107	1653	0.08	0.11	0.746	0.63	0.12	0.731	-0.01	0.09	0.762	
129	MC	107	1653	0.18	0.14	0.704	-7.67	2.88	0.090	0.12	2.82	0.093	
130	MC	122	1693	1.61	2.50	0.114	7.98	0.89	0.345	-0.08	0.64	0.422	
131	MC	122	1693	0.24	0.98	0.322	1.04	0.34	0.557	-0.01	0.21	0.646	
132	MC	122	1693	0.29	1.30	0.254	0.89	0.22	0.640	-0.01	0.10	0.752	
133	MC	122	1693	0.15	0.53	0.466	-1.58	0.86	0.354	0.02	1.04	0.307	
134	MC	122	1693	0.25	1.42	0.233	-2.56	1.78	0.182	0.04	2.17	0.140	
135	MC	122	1693	0.07	0.10	0.752	-0.89	0.23	0.630	0.01	0.28	0.600	
136	MC	122	1693	0.49	0.86	0.353	-3.52	0.92	0.337	0.06	1.16	0.282	
137	MC	122	1693	-0.05	0.02	0.886	-0.48	0.04	0.847	0.01	0.03	0.862	
138	MC	122	1693	0.12	0.28	0.597	-1.35	0.55	0.460	0.02	0.65	0.419	
139	MC	122	1693	0.01	0.00	0.966	1.76	0.64	0.423	-0.02	0.66	0.418	
140	MC	123	1689	-0.09	0.03	0.855	-8.56	3.84	0.050	0.13	3.52	0.061	Uniform>
141	MC	123	1689	-0.04	0.03	0.858	0.26	0.04	0.847	0.00	0.05	0.824	
142	MC	123	1689	-0.14	0.43	0.514	0.64	0.20	0.655	-0.01	0.30	0.583	
143	MC	123	1689	-0.06	0.08	0.778	-0.65	0.18	0.669	0.01	0.15	0.696	
144	MC	123	1689	0.20	0.41	0.520	-1.37	0.44	0.506	0.02	0.58	0.446	
145	MC	123	1689	0.03	0.02	0.898	-1.77	1.38	0.240	0.02	1.46	0.227	
146	MC	123	1689	-0.01	0.00	0.985	-1.55	0.69	0.407	0.02	0.69	0.406	
147	MC	123	1689	0.16	0.62	0.431	-2.36	2.18	0.140	0.03	2.53	0.112	
148	MC	123	1689	0.35	0.96	0.327	-7.70	4.65	0.031	0.12	4.91	0.027	
149	MC	123	1689	0.03	0.02	0.895	-1.38	0.72	0.396	0.02	0.76	0.382	
150	MC	127	1633	0.19	0.51	0.476	-1.96	1.01	0.316	0.03	1.21	0.270	
151	MC	127	1633	0.02	0.01	0.928	-4.41	5.09	0.024	0.06	5.42	0.020	
152	MC	127	1633	-0.19	0.77	0.381	-5.10	6.90	0.009	0.07	6.43	0.011	
153	MC	127	1633	0.28	1.88	0.170	2.43	2.86	0.091	-0.03	2.31	0.129	
154	MC	127	1633	0.34	2.73	0.098	-2.39	2.24	0.134	0.04	2.95	0.086	
155	MC	127	1633	-0.21	0.85	0.355	1.11	0.49	0.485	-0.02	0.71	0.399	
156	MC	127	1633	0.44	0.83	0.361	-0.16	0.00	0.961	0.01	0.03	0.853	
157	MC	127	1633	0.40	1.30	0.254	-4.44	2.32	0.128	0.07	2.68	0.102	
158	MC	127	1633	0.13	0.22	0.639	-1.47	0.51	0.473	0.02	0.62	0.433	
159	MC	127	1633	0.11	0.30	0.584	0.16	0.01	0.914	0.00	0.00	0.975	
160	ER	479	6668	0.19	3.58	0.058	0.55	0.49	0.485	0.00	0.21	0.650	Uniform>
161	ER	107	1653	0.13	0.39	0.532	2.47	2.40	0.121	-0.03	2.18	0.140	
162	ER	107	1653	0.03	0.02	0.898	-1.17	0.51	0.477	0.02	0.54	0.463	
163	ER	122	1693	0.34	2.44	0.118	0.40	0.06	0.801	0.00	0.00	0.968	
164	ER	122	1693	-0.19	0.86	0.352	0.42	0.07	0.797	-0.01	0.15	0.703	
165	ER	123	1689	0.49	6.07	0.014	-0.02	0.00	0.988	0.01	0.14	0.710	
166	ER	123	1689	0.01	0.00	0.954	-1.00	0.49	0.484	0.01	0.52	0.472	
167	ER	127	1633	-0.17	0.74	0.389	-1.43	0.95	0.330	0.02	0.75	0.388	
168	ER	127	1633	0.20	1.00	0.317	-2.60	2.70	0.101	0.04	3.19	0.074	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.170: Logistic Regression DIF Results on Stage III Writing Items for the FRL/Non-FRL on Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
118	MC	7594	1031	-0.14	2.46	0.116	-0.37	1.17	0.280	0.00	0.50	0.480	
119	MC	7594	1031	0.02	0.06	0.808	0.62	2.12	0.145	-0.01	2.06	0.151	
120	MC	1908	294	-0.29	4.36	0.037	0.49	0.53	0.467	-0.01	1.40	0.237	
121	MC	1908	294	-0.06	0.22	0.642	-0.01	0.00	0.989	0.00	0.01	0.925	
122	MC	1908	294	-0.42	5.89	0.015	-0.67	0.99	0.320	0.00	0.16	0.693	
123	MC	1908	294	-0.27	3.83	0.050	1.12	2.46	0.117	-0.02	3.95	0.047	
124	MC	1908	294	-0.50	4.61	0.032	-1.15	2.53	0.112	0.01	0.91	0.339	
125	MC	1908	294	0.12	0.51	0.474	-2.14	12.91	0.000	0.03	15.89	0.000	NonUniform
126	MC	1908	294	-0.09	0.44	0.505	-0.13	0.04	0.843	0.00	0.00	0.955	
127	MC	1908	294	0.10	0.42	0.515	1.24	2.06	0.151	-0.02	1.79	0.181	
128	MC	1908	294	0.07	0.24	0.627	-0.23	0.13	0.723	0.00	0.23	0.631	
129	MC	1908	294	-0.08	0.13	0.723	-1.94	7.24	0.007	0.03	7.53	0.006	NonUniform
130	MC	1936	258	0.04	0.02	0.876	-0.10	0.01	0.917	0.00	0.02	0.882	
131	MC	1936	258	0.01	0.00	0.964	-0.25	0.15	0.700	0.00	0.17	0.684	
132	MC	1936	258	-0.12	0.58	0.447	1.41	2.58	0.108	-0.02	3.13	0.077	
133	MC	1936	258	-0.07	0.25	0.617	0.41	0.36	0.549	-0.01	0.51	0.473	
134	MC	1936	258	0.04	0.07	0.795	1.10	1.66	0.197	-0.01	1.61	0.204	
135	MC	1936	258	0.03	0.04	0.844	0.59	0.53	0.465	-0.01	0.50	0.480	
136	MC	1936	258	0.29	2.07	0.150	-1.00	1.44	0.230	0.02	2.60	0.107	
137	MC	1936	258	0.26	1.88	0.171	-1.32	2.94	0.086	0.03	4.58	0.032	
138	MC	1936	258	-0.03	0.04	0.850	-0.87	1.52	0.217	0.01	1.49	0.222	
139	MC	1936	258	0.11	0.39	0.531	-0.14	0.03	0.861	0.00	0.10	0.750	
140	MC	1946	212	-0.07	0.07	0.797	0.09	0.01	0.920	0.00	0.03	0.854	
141	MC	1946	212	0.07	0.21	0.645	-0.11	0.03	0.866	0.00	0.08	0.775	
142	MC	1946	212	0.02	0.02	0.888	0.42	0.30	0.586	-0.01	0.28	0.598	
143	MC	1946	212	-0.09	0.30	0.586	0.59	0.60	0.440	-0.01	0.83	0.362	
144	MC	1946	212	-0.41	3.67	0.055	0.88	0.95	0.330	-0.02	2.12	0.146	
145	MC	1946	212	0.05	0.12	0.733	1.84	4.36	0.037	-0.02	4.33	0.038	
146	MC	1946	212	-0.01	0.00	0.969	-0.28	0.13	0.723	0.00	0.13	0.722	
147	MC	1946	212	-0.10	0.42	0.518	1.59	3.42	0.064	-0.02	4.04	0.044	
148	MC	1946	212	-0.11	0.26	0.611	1.40	1.81	0.179	-0.02	2.18	0.140	
149	MC	1946	212	0.02	0.02	0.882	1.80	3.62	0.057	-0.03	3.65	0.056	
150	MC	1804	267	-0.02	0.01	0.903	-0.12	0.03	0.862	0.00	0.02	0.882	
151	MC	1804	267	-0.21	1.80	0.180	2.08	8.11	0.004	-0.03	10.74	0.001	NonUniform
152	MC	1804	267	0.23	2.31	0.128	0.83	1.30	0.254	-0.01	0.71	0.398	
153	MC	1804	267	0.17	1.40	0.237	1.83	6.27	0.012	-0.02	5.41	0.020	
154	MC	1804	267	0.07	0.23	0.635	0.66	1.04	0.308	-0.01	0.88	0.347	
155	MC	1804	267	0.15	0.96	0.326	0.54	0.62	0.432	-0.01	0.34	0.563	
156	MC	1804	267	0.13	0.35	0.555	0.51	0.22	0.636	-0.01	0.13	0.717	
157	MC	1804	267	0.13	0.49	0.482	2.91	5.98	0.014	-0.05	5.50	0.019	
158	MC	1804	267	0.31	3.26	0.071	1.00	1.49	0.222	-0.01	0.75	0.386	
159	MC	1804	267	-0.30	3.72	0.054	1.88	6.39	0.011	-0.03	8.77	0.003	NonUniform
160	ER	7594	1031	0.05	0.42	0.518	0.18	0.40	0.529	0.00	0.24	0.625	
161	ER	1908	294	0.25	3.56	0.059	0.70	1.79	0.181	-0.01	0.78	0.377	
162	ER	1908	294	0.09	0.51	0.476	0.77	2.11	0.147	-0.01	1.74	0.187	
163	ER	1936	258	0.17	1.45	0.228	-0.06	0.01	0.922	0.00	0.15	0.701	
164	ER	1936	258	-0.16	1.32	0.251	-0.58	0.94	0.333	0.01	0.52	0.472	
165	ER	1946	212	0.02	0.02	0.876	0.21	0.12	0.733	0.00	0.10	0.748	
166	ER	1946	212	0.16	1.10	0.294	-0.16	0.07	0.791	0.00	0.31	0.580	
167	ER	1804	267	0.18	1.68	0.195	1.01	3.04	0.081	-0.01	2.25	0.134	
168	ER	1804	267	0.12	0.74	0.390	0.09	0.02	0.882	0.00	0.00	0.951	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.171: Logistic Regression DIF Results on Stage III Listening Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
169	MC	2819	3849	-0.06	1.21	0.271	0.13	0.26	0.612	0.00	0.57	0.451	
170	MC	2819	3849	0.15	5.31	0.021	0.45	2.49	0.114	-0.01	1.17	0.279	
171	MC	2819	3849	-0.11	4.22	0.040	0.05	0.03	0.865	0.00	0.32	0.571	
172	MC	709	944	0.19	1.16	0.281	-0.08	0.01	0.912	0.00	0.14	0.705	
173	MC	709	944	-0.08	0.44	0.505	-0.56	0.98	0.321	0.01	0.76	0.385	
174	MC	709	944	-0.30	3.75	0.053	0.17	0.06	0.808	-0.01	0.48	0.488	
175	MC	709	944	0.05	0.08	0.777	0.12	0.03	0.873	0.00	0.01	0.923	
176	MC	709	944	0.08	0.59	0.442	0.02	0.00	0.963	0.00	0.01	0.910	
177	MC	709	944	0.07	0.22	0.642	-0.79	1.31	0.252	0.01	1.62	0.203	
178	MC	709	944	-0.10	1.04	0.307	0.08	0.03	0.869	0.00	0.15	0.702	
179	MC	709	944	-0.06	0.18	0.671	-0.72	1.26	0.261	0.01	1.12	0.290	
180	MC	709	944	-0.18	2.64	0.104	-1.11	3.11	0.078	0.01	2.27	0.132	
181	MC	720	973	-0.15	1.74	0.187	-0.46	0.66	0.416	0.00	0.31	0.580	
182	MC	720	973	-0.30	7.91	0.005	0.80	2.67	0.103	-0.02	5.32	0.021	Uniform<
183	MC	720	973	0.08	0.18	0.675	0.36	0.26	0.613	-0.01	0.16	0.687	
184	MC	720	973	-0.09	0.75	0.385	-0.25	0.27	0.605	0.00	0.11	0.739	
185	MC	720	973	-0.15	1.51	0.219	0.25	0.19	0.660	-0.01	0.52	0.470	
186	MC	720	973	-0.07	0.43	0.513	0.97	3.77	0.052	-0.02	4.48	0.034	
187	MC	720	973	-0.23	3.66	0.056	0.22	0.14	0.713	-0.01	0.59	0.441	
188	MC	720	973	-0.10	0.82	0.366	-0.63	1.35	0.246	0.01	0.98	0.322	
189	MC	720	973	0.00	0.00	0.999	0.75	2.17	0.140	-0.01	2.26	0.133	
190	MC	698	991	0.06	0.26	0.609	1.11	4.96	0.026	-0.02	4.71	0.030	
191	MC	698	991	-0.20	3.52	0.061	-0.02	0.00	0.970	0.00	0.15	0.698	
192	MC	698	991	-0.16	2.33	0.127	0.90	3.27	0.071	-0.02	4.79	0.029	
193	MC	698	991	0.03	0.05	0.822	-0.65	1.36	0.243	0.01	1.58	0.209	
194	MC	698	991	-0.12	1.28	0.257	0.27	0.31	0.578	-0.01	0.68	0.411	
195	MC	698	991	-0.27	6.31	0.012	-0.27	0.29	0.587	0.00	0.00	0.988	
196	MC	698	991	-0.17	1.27	0.260	-0.31	0.25	0.617	0.00	0.06	0.814	
197	MC	698	991	-0.05	0.19	0.662	0.33	0.47	0.495	-0.01	0.63	0.427	
198	MC	698	991	-0.23	3.60	0.058	-0.16	0.07	0.793	0.00	0.02	0.896	
199	MC	692	941	0.13	1.33	0.248	0.71	1.43	0.232	-0.01	0.99	0.320	
200	MC	692	941	-0.25	5.35	0.021	0.05	0.01	0.930	0.00	0.32	0.574	
201	MC	692	941	0.04	0.03	0.855	0.37	0.20	0.652	-0.01	0.18	0.675	
202	MC	692	941	-0.06	0.25	0.618	0.46	0.47	0.492	-0.01	0.64	0.424	
203	MC	692	941	0.12	1.29	0.256	-0.09	0.03	0.857	0.00	0.18	0.672	
204	MC	692	941	-0.14	1.75	0.186	0.25	0.20	0.652	-0.01	0.51	0.474	
205	MC	692	941	-0.14	1.93	0.164	0.48	0.87	0.351	-0.01	1.53	0.215	
206	MC	692	941	-0.12	1.36	0.244	0.43	0.63	0.428	-0.01	1.08	0.299	
207	MC	692	941	-0.02	0.03	0.856	0.85	2.56	0.110	-0.01	2.79	0.095	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.172: Logistic Regression DIF Results on Stage III Listening Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
169	MC	5193	1475	-0.10	2.56	0.109	-0.70	5.68	0.017	0.01	4.34	0.037	Uniform>
170	MC	5193	1475	0.03	0.16	0.693	0.06	0.03	0.860	0.00	0.01	0.931	
171	MC	5193	1475	-0.01	0.05	0.825	-0.14	0.18	0.675	0.00	0.15	0.700	
172	MC	1274	379	0.21	1.00	0.317	0.39	0.21	0.647	0.00	0.05	0.830	
173	MC	1274	379	0.24	2.81	0.094	0.63	0.84	0.361	-0.01	0.33	0.566	
174	MC	1274	379	0.13	0.45	0.504	1.63	3.31	0.069	-0.03	2.92	0.087	
175	MC	1274	379	0.67	11.85	0.001	1.79	4.00	0.046	-0.02	1.63	0.202	
176	MC	1274	379	0.08	0.40	0.527	0.30	0.22	0.641	0.00	0.12	0.729	
177	MC	1274	379	0.22	1.49	0.222	1.01	1.40	0.237	-0.01	0.89	0.346	
178	MC	1274	379	-0.19	2.55	0.110	-0.15	0.07	0.795	0.00	0.00	0.946	
179	MC	1274	379	0.23	2.09	0.149	0.54	0.47	0.495	0.00	0.16	0.690	
180	MC	1274	379	-0.20	2.36	0.124	-0.02	0.00	0.975	0.00	0.06	0.811	
181	MC	1253	440	-0.20	2.51	0.113	-0.25	0.18	0.669	0.00	0.01	0.926	
182	MC	1253	440	-0.25	3.91	0.048	-0.38	0.51	0.473	0.00	0.07	0.798	
183	MC	1253	440	0.21	0.90	0.344	-0.62	0.74	0.390	0.02	1.46	0.228	
184	MC	1253	440	0.10	0.70	0.404	-0.90	2.95	0.086	0.02	3.86	0.049	NonUniform
185	MC	1253	440	-0.11	0.60	0.437	-0.04	0.00	0.950	0.00	0.01	0.906	
186	MC	1253	440	0.10	0.70	0.403	0.04	0.00	0.947	0.00	0.01	0.915	
187	MC	1253	440	-0.09	0.38	0.535	-0.59	0.82	0.365	0.01	0.62	0.430	
188	MC	1253	440	0.11	0.65	0.419	0.09	0.02	0.883	0.00	0.00	0.975	
189	MC	1253	440	0.25	4.47	0.034	-1.53	7.92	0.005	0.03	11.04	0.001	
190	MC	1310	379	0.23	3.04	0.081	-0.16	0.07	0.785	0.01	0.48	0.489	
191	MC	1310	379	-0.05	0.16	0.693	-0.26	0.20	0.655	0.00	0.13	0.713	
192	MC	1310	379	0.29	5.10	0.024	0.13	0.05	0.822	0.00	0.07	0.792	
193	MC	1310	379	-0.19	1.32	0.251	0.86	1.61	0.204	-0.02	2.52	0.113	
194	MC	1310	379	0.13	1.19	0.276	0.26	0.21	0.644	0.00	0.05	0.815	
195	MC	1310	379	-0.03	0.07	0.798	1.50	5.88	0.015	-0.02	6.41	0.011	
196	MC	1310	379	-0.01	0.01	0.942	0.96	1.58	0.208	-0.02	1.72	0.190	
197	MC	1310	379	-0.08	0.44	0.507	0.27	0.21	0.648	-0.01	0.37	0.542	
198	MC	1310	379	-0.11	0.50	0.481	-1.01	2.24	0.135	0.02	1.89	0.169	
199	MC	1356	277	-0.24	2.70	0.100	-1.45	4.01	0.045	0.02	2.89	0.089	
200	MC	1356	277	0.01	0.01	0.936	-0.53	0.59	0.443	0.01	0.64	0.423	
201	MC	1356	277	0.56	5.32	0.021	1.07	1.16	0.280	-0.01	0.28	0.597	
202	MC	1356	277	-0.30	3.58	0.059	-0.20	0.06	0.811	0.00	0.02	0.897	
203	MC	1356	277	-0.08	0.40	0.527	-0.28	0.20	0.658	0.00	0.10	0.751	
204	MC	1356	277	-0.01	0.01	0.934	0.71	0.85	0.356	-0.01	0.91	0.340	
205	MC	1356	277	-0.09	0.46	0.498	0.22	0.11	0.745	-0.01	0.22	0.638	
206	MC	1356	277	-0.20	2.09	0.148	-1.60	5.58	0.018	0.02	4.45	0.035	
207	MC	1356	277	0.07	0.25	0.615	-0.81	1.43	0.231	0.01	1.77	0.183	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.173: Logistic Regression DIF Results on Stage III Listening Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
169	MC	513	6155	-0.13	1.94	0.164	0.06	0.02	0.897	0.00	0.17	0.684	Uniform<
170	MC	513	6155	-0.04	0.10	0.756	-0.04	0.00	0.950	0.00	0.00	0.999	
171	MC	513	6155	-0.35	12.83	0.000	0.31	0.32	0.569	-0.01	1.52	0.218	
172	MC	69	1584	-0.62	3.02	0.082	-1.17	0.51	0.475	0.01	0.12	0.733	
173	MC	69	1584	-0.13	0.20	0.651	-3.02	2.97	0.085	0.05	2.77	0.096	
174	MC	69	1584	0.15	0.14	0.708	-0.54	0.10	0.755	0.01	0.16	0.686	
175	MC	69	1584	-0.48	1.75	0.186	-2.32	1.54	0.215	0.03	0.99	0.319	
176	MC	69	1584	-0.01	0.00	0.984	0.19	0.02	0.884	0.00	0.02	0.878	
177	MC	69	1584	-0.55	2.97	0.085	0.24	0.03	0.870	-0.01	0.30	0.587	
178	MC	69	1584	-0.22	0.77	0.380	2.07	2.79	0.095	-0.04	3.52	0.061	
179	MC	69	1584	-0.31	1.03	0.310	0.42	0.08	0.779	-0.01	0.25	0.618	
180	MC	69	1584	0.02	0.01	0.929	0.49	0.10	0.754	-0.01	0.09	0.763	
181	MC	178	1515	0.01	0.00	0.958	-0.71	0.51	0.473	0.01	0.55	0.457	
182	MC	178	1515	-0.17	0.98	0.322	-0.67	0.58	0.447	0.01	0.33	0.564	
183	MC	178	1515	-0.22	0.50	0.481	-1.47	1.08	0.298	0.02	0.79	0.373	
184	MC	178	1515	-0.07	0.15	0.696	0.84	0.95	0.331	-0.01	1.16	0.281	
185	MC	178	1515	-0.25	1.74	0.187	-1.49	2.03	0.154	0.02	1.44	0.230	
186	MC	178	1515	0.13	0.67	0.413	-0.99	1.19	0.276	0.02	1.58	0.209	
187	MC	178	1515	0.20	0.95	0.329	1.11	1.22	0.269	-0.02	0.87	0.352	
188	MC	178	1515	0.08	0.20	0.656	0.52	0.30	0.582	-0.01	0.22	0.638	NonUniform
189	MC	178	1515	-0.03	0.03	0.863	0.20	0.05	0.820	0.00	0.07	0.791	
190	MC	152	1537	0.03	0.02	0.878	-0.31	0.12	0.734	0.01	0.14	0.704	
191	MC	152	1537	0.22	1.30	0.254	-0.18	0.04	0.841	0.01	0.20	0.654	
192	MC	152	1537	-0.31	2.98	0.084	-1.01	1.13	0.287	0.01	0.57	0.450	
193	MC	152	1537	0.37	2.40	0.121	3.51	9.91	0.002	-0.05	9.03	0.003	
194	MC	152	1537	-0.11	0.37	0.540	-0.18	0.04	0.842	0.00	0.01	0.937	
195	MC	152	1537	-0.07	0.14	0.704	0.60	0.48	0.487	-0.01	0.63	0.427	
196	MC	152	1537	0.38	1.92	0.166	-0.02	0.00	0.988	0.01	0.12	0.727	
197	MC	152	1537	0.19	1.20	0.274	1.32	2.47	0.116	-0.02	1.89	0.170	
198	MC	152	1537	-0.07	0.12	0.726	-2.64	4.23	0.040	0.04	4.10	0.043	
199	MC	114	1519	0.17	0.64	0.423	-1.27	0.90	0.342	0.02	1.21	0.272	
200	MC	114	1519	0.06	0.09	0.767	0.63	0.31	0.580	-0.01	0.26	0.611	
201	MC	114	1519	-0.14	0.14	0.713	-2.09	1.10	0.293	0.04	0.95	0.329	
202	MC	114	1519	-0.12	0.23	0.633	-0.70	0.21	0.645	0.01	0.15	0.697	
203	MC	114	1519	-0.07	0.13	0.721	0.91	0.73	0.394	-0.02	0.87	0.351	
204	MC	114	1519	0.14	0.49	0.486	-3.25	5.05	0.025	0.06	5.61	0.018	
205	MC	114	1519	-0.20	1.04	0.307	1.12	1.09	0.297	-0.02	1.58	0.209	
206	MC	114	1519	-0.35	3.04	0.081	-0.17	0.02	0.881	0.00	0.02	0.876	
207	MC	114	1519	-0.41	4.11	0.043	-2.45	3.67	0.055	0.03	2.62	0.105	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.174: Logistic Regression DIF Results on Stage III Listening Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF			$\beta_2^{NUni}$	Wald $\chi^2$	p-value	Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value				
169	MC	1334	5334	0.12	3.19	0.074	-0.28	0.81	0.369	0.01	1.69	0.193	
170	MC	1334	5334	-0.13	3.06	0.080	-0.54	2.50	0.114	0.01	1.51	0.220	
171	MC	1334	5334	0.04	0.32	0.569	0.01	0.00	0.986	0.00	0.01	0.923	
172	MC	361	1292	-0.12	0.41	0.523	-1.24	2.21	0.137	0.02	1.87	0.172	
173	MC	361	1292	-0.04	0.07	0.793	-0.23	0.13	0.723	0.00	0.09	0.761	
174	MC	361	1292	-0.10	0.33	0.564	-1.32	2.76	0.097	0.02	2.45	0.118	
175	MC	361	1292	-0.23	1.56	0.212	-1.19	2.12	0.145	0.02	1.45	0.229	
176	MC	361	1292	-0.16	1.50	0.221	-0.96	2.46	0.117	0.01	1.80	0.180	
177	MC	361	1292	-0.28	3.15	0.076	-1.23	2.59	0.108	0.02	1.59	0.207	
178	MC	361	1292	0.18	2.04	0.153	-0.02	0.00	0.977	0.00	0.12	0.728	
179	MC	361	1292	-0.10	0.46	0.499	-0.14	0.04	0.841	0.00	0.00	0.951	
180	MC	361	1292	0.09	0.45	0.502	0.45	0.41	0.522	-0.01	0.27	0.602	
181	MC	326	1367	-0.30	3.62	0.057	0.68	0.92	0.336	-0.02	1.96	0.161	
182	MC	326	1367	-0.13	1.01	0.315	-0.41	0.45	0.504	0.00	0.21	0.643	
183	MC	326	1367	0.23	0.90	0.344	-0.83	0.68	0.411	0.02	1.14	0.286	
184	MC	326	1367	-0.09	0.45	0.502	1.03	2.98	0.085	-0.02	3.72	0.054	
185	MC	326	1367	0.13	0.76	0.382	-0.74	1.01	0.314	0.02	1.44	0.229	
186	MC	326	1367	0.05	0.17	0.678	-0.57	0.79	0.374	0.01	0.99	0.320	
187	MC	326	1367	-0.08	0.34	0.558	-0.15	0.04	0.843	0.00	0.01	0.932	
188	MC	326	1367	0.08	0.36	0.547	-0.20	0.09	0.767	0.01	0.18	0.667	
189	MC	326	1367	-0.17	1.67	0.196	-0.90	1.80	0.179	0.01	1.23	0.266	
190	MC	301	1388	-0.27	3.66	0.056	-0.15	0.06	0.808	0.00	0.04	0.844	
191	MC	301	1388	0.16	1.30	0.254	-0.41	0.42	0.516	0.01	0.85	0.356	
192	MC	301	1388	0.22	2.46	0.117	0.43	0.48	0.487	0.00	0.13	0.723	
193	MC	301	1388	0.11	0.44	0.509	-0.66	0.85	0.357	0.01	1.20	0.274	
194	MC	301	1388	0.32	5.55	0.019	0.84	1.96	0.162	-0.01	0.78	0.376	
195	MC	301	1388	0.21	2.19	0.138	0.89	2.09	0.148	-0.01	1.29	0.255	
196	MC	301	1388	-0.02	0.01	0.915	0.46	0.38	0.539	-0.01	0.44	0.509	
197	MC	301	1388	0.11	0.61	0.435	-0.22	0.13	0.722	0.01	0.29	0.590	
198	MC	301	1388	-0.26	3.09	0.079	-0.22	0.10	0.758	0.00	0.00	0.956	
199	MC	346	1287	-0.02	0.02	0.884	-0.46	0.39	0.530	0.01	0.37	0.541	
200	MC	346	1287	-0.04	0.08	0.774	0.07	0.01	0.904	0.00	0.03	0.854	
201	MC	346	1287	-0.16	0.51	0.474	-1.75	3.44	0.064	0.03	2.92	0.087	
202	MC	346	1287	0.12	0.53	0.469	-0.29	0.13	0.715	0.01	0.27	0.600	
203	MC	346	1287	-0.08	0.37	0.545	-0.70	1.43	0.232	0.01	1.19	0.275	
204	MC	346	1287	-0.29	5.14	0.023	-0.55	0.68	0.409	0.00	0.15	0.695	
205	MC	346	1287	0.12	0.94	0.332	0.32	0.28	0.600	0.00	0.11	0.744	
206	MC	346	1287	0.07	0.31	0.580	-1.07	2.52	0.112	0.02	2.98	0.084	
207	MC	346	1287	-0.29	5.25	0.022	0.32	0.28	0.599	-0.01	1.06	0.303	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.175: Logistic Regression DIF Results on Stage III Listening Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
169	MC	5436	1232	-0.17	5.95	0.015	-0.52	2.67	0.102	0.01	1.29	0.256	
170	MC	5436	1232	0.02	0.08	0.774	-0.09	0.07	0.791	0.00	0.12	0.733	
171	MC	5436	1232	-0.07	1.17	0.278	-0.73	4.44	0.035	0.01	3.73	0.053	
172	MC	1376	277	0.20	0.78	0.376	0.42	0.22	0.639	0.00	0.06	0.800	
173	MC	1376	277	0.18	1.28	0.258	-0.05	0.01	0.943	0.00	0.11	0.739	
174	MC	1376	277	-0.18	0.74	0.389	1.69	2.90	0.088	-0.03	3.66	0.056	
175	MC	1376	277	0.16	0.56	0.455	0.94	1.04	0.308	-0.01	0.75	0.388	
176	MC	1376	277	0.00	0.00	0.990	-1.02	2.58	0.108	0.02	2.73	0.099	
177	MC	1376	277	0.09	0.20	0.654	-0.79	0.96	0.328	0.02	1.26	0.262	
178	MC	1376	277	-0.03	0.07	0.796	0.53	0.67	0.412	-0.01	0.80	0.371	
179	MC	1376	277	0.14	0.65	0.419	-0.49	0.40	0.528	0.01	0.69	0.407	
180	MC	1376	277	0.03	0.04	0.835	0.59	0.50	0.477	-0.01	0.47	0.493	
181	MC	1335	358	-0.08	0.35	0.552	-0.40	0.41	0.522	0.00	0.27	0.602	
182	MC	1335	358	-0.53	14.24	0.000	-0.41	0.53	0.468	0.00	0.04	0.835	Uniform<
183	MC	1335	358	0.01	0.00	0.953	-1.17	2.25	0.134	0.02	2.61	0.106	
184	MC	1335	358	0.12	0.82	0.365	-0.85	2.38	0.123	0.02	3.28	0.070	
185	MC	1335	358	0.15	1.12	0.289	-0.02	0.00	0.980	0.00	0.07	0.786	
186	MC	1335	358	0.06	0.26	0.611	-0.46	0.62	0.430	0.01	0.84	0.360	
187	MC	1335	358	-0.01	0.00	0.945	-0.48	0.51	0.476	0.01	0.51	0.475	
188	MC	1335	358	-0.04	0.10	0.751	-0.47	0.61	0.434	0.01	0.53	0.466	
189	MC	1335	358	-0.05	0.19	0.664	-1.50	7.04	0.008	0.02	6.83	0.009	NonUniform
190	MC	1369	320	0.17	1.53	0.216	-0.46	0.53	0.466	0.01	1.06	0.303	
191	MC	1369	320	-0.05	0.14	0.713	-0.01	0.00	0.982	0.00	0.00	0.954	
192	MC	1369	320	0.04	0.07	0.791	-0.25	0.15	0.694	0.00	0.21	0.646	
193	MC	1369	320	-0.39	4.83	0.028	0.42	0.30	0.583	-0.01	1.20	0.273	
194	MC	1369	320	0.07	0.25	0.615	-0.54	0.78	0.377	0.01	1.03	0.311	
195	MC	1369	320	-0.27	3.70	0.054	0.62	0.86	0.352	-0.01	1.87	0.171	
196	MC	1369	320	-0.29	2.03	0.155	-0.71	0.77	0.380	0.01	0.29	0.590	
197	MC	1369	320	-0.19	2.17	0.140	-0.03	0.00	0.966	0.00	0.07	0.790	
198	MC	1369	320	0.07	0.21	0.646	-0.99	1.88	0.171	0.02	2.26	0.133	
199	MC	1356	277	-0.21	2.18	0.140	-0.36	0.22	0.641	0.00	0.04	0.844	
200	MC	1356	277	-0.07	0.24	0.626	-0.47	0.42	0.518	0.01	0.32	0.575	
201	MC	1356	277	0.42	2.93	0.087	0.78	0.54	0.462	-0.01	0.12	0.732	
202	MC	1356	277	-0.25	2.39	0.122	0.63	0.50	0.480	-0.01	1.02	0.313	
203	MC	1356	277	0.01	0.01	0.913	-1.00	2.28	0.131	0.02	2.44	0.118	
204	MC	1356	277	0.00	0.00	0.975	0.49	0.41	0.524	-0.01	0.43	0.513	
205	MC	1356	277	-0.13	0.85	0.356	0.93	1.58	0.209	-0.02	2.11	0.146	
206	MC	1356	277	0.04	0.10	0.757	-1.02	2.07	0.150	0.02	2.34	0.126	
207	MC	1356	277	0.13	0.85	0.357	0.89	1.40	0.236	-0.01	1.06	0.303	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.176: Logistic Regression DIF Results on Stage III Listening Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
169	MC	5436	671	-0.29	10.36	0.001	0.13	0.07	0.788	-0.01	0.80	0.371	Uniform<
170	MC	5436	671	0.11	1.16	0.282	-0.05	0.01	0.924	0.00	0.10	0.748	
171	MC	5436	671	-0.05	0.31	0.580	-0.67	1.98	0.160	0.01	1.76	0.185	
172	MC	1376	155	0.10	0.13	0.720	-0.33	0.09	0.769	0.01	0.16	0.690	
173	MC	1376	155	0.07	0.13	0.719	0.53	0.32	0.574	-0.01	0.25	0.620	
174	MC	1376	155	-0.23	0.74	0.391	0.47	0.16	0.687	-0.01	0.38	0.539	
175	MC	1376	155	0.08	0.09	0.766	0.20	0.03	0.858	0.00	0.01	0.912	
176	MC	1376	155	0.00	0.00	0.978	-1.19	2.13	0.144	0.02	2.27	0.132	
177	MC	1376	155	0.12	0.23	0.631	-0.70	0.45	0.503	0.01	0.65	0.420	
178	MC	1376	155	0.03	0.03	0.868	0.01	0.00	0.987	0.00	0.00	0.984	
179	MC	1376	155	0.08	0.15	0.703	-0.73	0.55	0.459	0.01	0.72	0.397	
180	MC	1376	155	0.22	1.32	0.250	0.76	0.48	0.490	-0.01	0.25	0.615	
181	MC	1335	180	-0.08	0.21	0.647	-0.22	0.05	0.822	0.00	0.02	0.886	
182	MC	1335	180	-0.30	2.78	0.095	0.23	0.06	0.807	-0.01	0.32	0.569	
183	MC	1335	180	-0.01	0.00	0.966	-1.38	0.77	0.379	0.02	0.83	0.363	
184	MC	1335	180	0.20	1.37	0.242	0.43	0.21	0.646	0.00	0.06	0.806	
185	MC	1335	180	0.28	2.31	0.129	0.06	0.00	0.952	0.00	0.05	0.819	
186	MC	1335	180	0.05	0.08	0.775	0.38	0.16	0.685	-0.01	0.13	0.718	
187	MC	1335	180	0.10	0.26	0.608	-0.05	0.00	0.963	0.00	0.02	0.888	
188	MC	1335	180	-0.28	1.99	0.158	-0.66	0.43	0.510	0.01	0.15	0.694	
189	MC	1335	180	0.02	0.02	0.885	0.21	0.05	0.829	0.00	0.04	0.846	
190	MC	1369	166	0.10	0.30	0.585	0.52	0.28	0.598	-0.01	0.19	0.667	
191	MC	1369	166	-0.13	0.48	0.486	0.86	0.75	0.386	-0.02	1.02	0.313	
192	MC	1369	166	0.10	0.33	0.566	0.76	0.60	0.437	-0.01	0.47	0.494	
193	MC	1369	166	-0.26	1.26	0.261	1.26	1.05	0.307	-0.03	1.54	0.214	
194	MC	1369	166	0.14	0.65	0.421	-0.26	0.08	0.775	0.01	0.20	0.655	
195	MC	1369	166	-0.35	3.41	0.065	0.32	0.10	0.753	-0.01	0.46	0.500	
196	MC	1369	166	0.10	0.18	0.673	0.43	0.11	0.737	-0.01	0.07	0.796	
197	MC	1369	166	-0.22	1.69	0.194	0.11	0.01	0.910	-0.01	0.13	0.719	
198	MC	1369	166	0.33	2.77	0.096	0.14	0.02	0.897	0.00	0.03	0.862	
199	MC	1356	170	-0.25	2.02	0.155	-0.13	0.02	0.900	0.00	0.02	0.900	
200	MC	1356	170	-0.05	0.08	0.783	-0.24	0.06	0.803	0.00	0.04	0.840	
201	MC	1356	170	0.24	0.54	0.462	2.11	1.82	0.178	-0.03	1.43	0.231	
202	MC	1356	170	0.00	0.00	0.990	2.84	4.38	0.036	-0.04	4.67	0.031	
203	MC	1356	170	0.13	0.58	0.447	-0.83	0.90	0.344	0.02	1.23	0.268	
204	MC	1356	170	0.15	0.78	0.376	0.52	0.27	0.600	-0.01	0.14	0.705	
205	MC	1356	170	-0.17	0.99	0.321	0.67	0.49	0.482	-0.01	0.80	0.371	
206	MC	1356	170	0.00	0.00	0.984	-0.52	0.31	0.578	0.01	0.32	0.574	
207	MC	1356	170	0.16	0.84	0.358	1.89	3.31	0.069	-0.03	2.85	0.091	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.177: Logistic Regression DIF Results on Stage III Listening Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
169	MC	561	671	-0.27	4.72	0.030	1.04	3.22	0.073	-0.02	5.31	0.021	
170	MC	561	671	0.20	1.74	0.188	0.06	0.01	0.924	0.00	0.05	0.827	
171	MC	561	671	0.06	0.22	0.638	0.12	0.04	0.842	0.00	0.01	0.912	
172	MC	122	155	-0.24	0.33	0.564	-1.74	1.13	0.288	0.03	0.90	0.343	
173	MC	122	155	-0.23	0.65	0.419	1.04	0.66	0.415	-0.02	1.05	0.307	
174	MC	122	155	-0.19	0.20	0.654	-3.67	2.78	0.096	0.06	2.56	0.110	
175	MC	122	155	-0.23	0.30	0.584	-1.85	1.09	0.296	0.03	0.89	0.345	
176	MC	122	155	0.05	0.04	0.846	-0.34	0.09	0.769	0.01	0.12	0.730	
177	MC	122	155	0.09	0.07	0.793	0.25	0.03	0.864	0.00	0.01	0.912	
178	MC	122	155	0.12	0.24	0.626	-1.11	0.84	0.359	0.02	1.09	0.297	
179	MC	122	155	-0.11	0.13	0.720	-0.60	0.18	0.674	0.01	0.12	0.726	
180	MC	122	155	0.41	2.33	0.127	0.62	0.16	0.686	0.00	0.02	0.892	
181	MC	178	180	-0.01	0.00	0.951	0.26	0.05	0.821	0.00	0.06	0.806	
182	MC	178	180	0.51	3.71	0.054	0.83	0.58	0.447	-0.01	0.09	0.762	
183	MC	178	180	-0.24	0.34	0.562	-0.22	0.02	0.898	0.00	0.00	0.986	
184	MC	178	180	0.11	0.22	0.639	1.80	2.98	0.084	-0.03	2.76	0.097	
185	MC	178	180	0.27	1.10	0.295	0.07	0.00	0.953	0.00	0.03	0.858	
186	MC	178	180	-0.05	0.05	0.819	1.24	1.35	0.246	-0.02	1.52	0.217	
187	MC	178	180	0.21	0.62	0.432	0.64	0.27	0.605	-0.01	0.13	0.721	
188	MC	178	180	-0.46	3.47	0.063	-0.26	0.05	0.818	0.00	0.03	0.857	
189	MC	178	180	0.11	0.24	0.625	2.43	5.22	0.022	-0.04	5.00	0.025	
190	MC	154	166	-0.17	0.47	0.492	1.55	1.71	0.191	-0.03	2.19	0.139	
191	MC	154	166	-0.16	0.43	0.511	1.40	1.36	0.243	-0.03	1.77	0.184	
192	MC	154	166	0.13	0.27	0.604	1.66	1.97	0.161	-0.02	1.75	0.186	
193	MC	154	166	0.35	1.04	0.307	1.23	0.70	0.403	-0.02	0.37	0.540	
194	MC	154	166	0.13	0.33	0.568	0.46	0.17	0.680	-0.01	0.09	0.763	
195	MC	154	166	-0.14	0.29	0.593	-0.49	0.15	0.695	0.01	0.08	0.775	
196	MC	154	166	0.90	5.06	0.024	1.51	0.94	0.332	-0.01	0.16	0.686	
197	MC	154	166	-0.07	0.08	0.783	0.23	0.04	0.845	0.00	0.07	0.798	
198	MC	154	166	0.51	3.39	0.066	1.82	1.91	0.167	-0.02	1.04	0.309	
199	MC	107	170	-0.10	0.14	0.707	0.53	0.14	0.710	-0.01	0.20	0.653	
200	MC	107	170	0.05	0.03	0.860	0.50	0.14	0.705	-0.01	0.12	0.726	
201	MC	107	170	-0.43	0.93	0.336	2.32	1.41	0.235	-0.05	2.07	0.150	
202	MC	107	170	0.59	3.99	0.046	4.05	5.97	0.015	-0.05	4.56	0.033	
203	MC	107	170	0.27	1.19	0.276	0.40	0.11	0.745	0.00	0.01	0.916	
204	MC	107	170	0.43	2.58	0.108	0.01	0.00	0.996	0.01	0.09	0.767	
205	MC	107	170	-0.10	0.14	0.706	-0.60	0.19	0.666	0.01	0.13	0.714	
206	MC	107	170	-0.13	0.27	0.607	1.06	0.68	0.410	-0.02	0.89	0.346	
207	MC	107	170	0.08	0.09	0.764	2.08	2.24	0.134	-0.03	2.15	0.143	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.178: Logistic Regression DIF Results on Stage III Listening Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
169	MC	103	671	-0.19	0.65	0.420	-1.60	1.17	0.280	0.02	0.93	0.336	
170	MC	103	671	0.05	0.03	0.861	-1.54	0.85	0.357	0.03	0.92	0.338	
171	MC	103	671	-0.29	1.72	0.189	1.61	1.67	0.196	-0.03	2.39	0.122	
172	MC	7	155	-1.46	2.46	0.117	-129.04	0.18	0.672	2.33	0.18	0.675	
173	MC	7	155	-0.97	1.33	0.248	-78.78	0.03	0.861	1.22	0.03	0.860	
174	MC	7	155	-1.41	2.12	0.145	-141.19	0.11	0.735	2.56	0.11	0.738	
175	MC	7	155	-1.41	2.20	0.138	-6.50	0.84	0.360	0.09	0.49	0.483	
176	MC	7	155	-0.20	0.07	0.797	-5.06	0.98	0.322	0.07	0.92	0.338	
177	MC	7	155	-0.84	0.82	0.364	-6.41	0.82	0.365	0.09	0.59	0.443	
178	MC	7	155	-0.25	0.10	0.755	-2.01	0.19	0.661	0.03	0.15	0.694	
179	MC	7	155	-1.12	1.72	0.189	-79.31	0.03	0.866	1.23	0.03	0.865	
180	MC	7	155	-1.72	2.25	0.133	-150.43	0.11	0.743	1.86	0.10	0.746	
181	MC	48	180	0.10	0.07	0.792	0.56	0.06	0.803	-0.01	0.04	0.835	
182	MC	48	180	0.75	2.48	0.116	-0.06	0.00	0.984	0.01	0.08	0.775	
183	MC	48	180	-0.33	0.22	0.639	-5.14	1.43	0.231	0.08	1.20	0.273	
184	MC	48	180	-0.24	0.45	0.501	0.99	0.22	0.640	-0.02	0.35	0.555	
185	MC	48	180	0.27	0.41	0.522	-0.64	0.06	0.807	0.01	0.12	0.725	
186	MC	48	180	0.29	0.69	0.406	0.10	0.00	0.964	0.00	0.01	0.930	
187	MC	48	180	-0.12	0.08	0.771	-2.51	0.78	0.378	0.04	0.71	0.398	
188	MC	48	180	-0.61	2.47	0.116	-0.44	0.04	0.848	0.00	0.01	0.940	
189	MC	48	180	-0.47	1.89	0.169	1.82	0.76	0.384	-0.03	1.23	0.268	
190	MC	41	166	-0.74	3.91	0.048	-0.33	0.03	0.873	-0.01	0.04	0.841	
191	MC	41	166	-0.36	0.87	0.350	-3.15	1.37	0.241	0.04	1.09	0.296	
192	MC	41	166	0.25	0.39	0.532	-1.92	0.54	0.464	0.03	0.69	0.405	
193	MC	41	166	0.87	1.75	0.186	4.75	2.13	0.144	-0.06	1.63	0.201	
194	MC	41	166	0.33	0.77	0.380	-0.20	0.01	0.922	0.01	0.07	0.791	
195	MC	41	166	-0.21	0.28	0.595	1.47	0.53	0.466	-0.03	0.73	0.393	
196	MC	41	166	2.10	3.83	0.050	2.82	0.48	0.486	-0.01	0.03	0.852	
197	MC	41	166	0.31	0.67	0.413	5.50	6.50	0.011	-0.08	6.23	0.013	
198	MC	41	166	0.49	1.18	0.277	-1.20	0.16	0.685	0.03	0.33	0.566	
199	MC	7	170	1.52	3.11	0.078	-5.83	0.46	0.497	0.12	0.74	0.391	
200	MC	7	170	-1.69	3.77	0.052	3.95	0.44	0.509	-0.09	0.87	0.351	
201	MC	7	170	11.43	0.00	0.982	13.57	0.00	0.981	-0.09	0.00	0.991	
202	MC	7	170	0.46	0.27	0.606	4.22	0.48	0.489	-0.06	0.38	0.539	
203	MC	7	170	0.14	0.03	0.857	45.50	1.08	0.298	-0.70	1.07	0.302	
204	MC	7	170	0.09	0.01	0.909	4.03	0.54	0.462	-0.06	0.53	0.466	
205	MC	7	170	-0.94	1.37	0.241	11.19	1.79	0.181	-0.19	2.12	0.146	
206	MC	7	170	-0.08	0.01	0.922	-0.22	0.00	0.970	0.00	0.00	0.980	
207	MC	7	170	-1.61	3.28	0.070	2.18	0.13	0.721	-0.06	0.38	0.536	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.179: Logistic Regression DIF Results on Stage III Listening Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_2^{Uni}$	Wald $\chi^2$	p-value	
169	MC	6668	1991	-0.14	5.06	0.024	0.48	3.18	0.074	-0.01	5.67	0.017	NonUniform
170	MC	6668	1991	-0.10	1.63	0.202	0.39	1.68	0.195	-0.01	2.92	0.087	
171	MC	6668	1991	-0.29	21.20	0.000	0.83	6.83	0.009	-0.02	13.04	0.000	
172	MC	1653	560	0.06	0.07	0.790	1.60	5.26	0.022	-0.03	5.30	0.021	
173	MC	1653	560	-0.39	6.40	0.011	0.57	1.05	0.305	-0.01	3.20	0.073	
174	MC	1653	560	-0.28	1.92	0.166	-0.28	0.20	0.657	0.00	0.00	0.996	NonUniform
175	MC	1653	560	0.13	0.38	0.536	0.80	1.44	0.230	-0.01	1.12	0.289	
176	MC	1653	560	-0.06	0.29	0.589	-0.46	0.92	0.338	0.01	0.72	0.395	
177	MC	1653	560	-0.24	1.57	0.210	-1.14	3.76	0.052	0.02	2.65	0.104	
178	MC	1653	560	-0.14	1.51	0.220	2.03	14.00	0.000	-0.03	17.01	0.000	
179	MC	1653	560	-0.61	11.45	0.001	-1.51	6.97	0.008	0.01	2.76	0.096	Uniform<
180	MC	1653	560	-0.12	1.08	0.299	-1.43	6.73	0.009	0.02	5.81	0.016	NonUniform
181	MC	1693	512	-0.40	11.62	0.001	2.03	10.33	0.001	-0.03	15.78	0.000	
182	MC	1693	512	-0.25	3.46	0.063	0.67	1.43	0.232	-0.01	2.82	0.093	
183	MC	1693	512	0.10	0.18	0.669	0.15	0.04	0.845	0.00	0.00	0.949	
184	MC	1693	512	-0.09	0.47	0.493	-1.10	4.49	0.034	0.01	4.09	0.043	
185	MC	1693	512	0.20	1.91	0.166	-1.13	3.98	0.046	0.02	5.85	0.016	Uniform<
186	MC	1693	512	-0.27	5.45	0.020	0.49	0.79	0.373	-0.01	1.99	0.159	
187	MC	1693	512	-0.45	7.32	0.007	-0.18	0.06	0.799	0.00	0.17	0.683	
188	MC	1693	512	-0.24	2.77	0.096	-0.20	0.11	0.741	0.00	0.01	0.938	
189	MC	1693	512	0.04	0.11	0.736	0.09	0.03	0.870	0.00	0.01	0.924	
190	MC	1689	474	-0.05	0.11	0.735	0.59	1.34	0.247	-0.01	1.68	0.195	Uniform<
191	MC	1689	474	-0.59	16.82	0.000	0.51	0.93	0.336	-0.02	4.68	0.031	
192	MC	1689	474	-0.09	0.51	0.474	-0.30	0.36	0.548	0.00	0.18	0.668	
193	MC	1689	474	-0.17	0.98	0.322	-0.10	0.03	0.858	0.00	0.02	0.894	
194	MC	1689	474	-0.35	7.63	0.006	0.25	0.26	0.608	-0.01	1.61	0.204	
195	MC	1689	474	0.03	0.06	0.809	-0.60	1.66	0.198	0.01	1.98	0.159	Uniform<
196	MC	1689	474	0.23	1.56	0.212	0.02	0.00	0.971	0.00	0.13	0.717	
197	MC	1689	474	0.03	0.06	0.811	1.30	5.79	0.016	-0.02	5.89	0.015	
198	MC	1689	474	-0.05	0.09	0.763	-0.54	0.80	0.370	0.01	0.72	0.397	
199	MC	1633	445	-0.45	13.26	0.000	-0.84	2.26	0.133	0.01	0.51	0.474	
200	MC	1633	445	-0.22	2.55	0.110	-0.56	1.03	0.309	0.01	0.41	0.521	Uniform<
201	MC	1633	445	-0.16	0.31	0.579	0.30	0.12	0.731	-0.01	0.30	0.581	
202	MC	1633	445	-1.03	65.73	0.000	-0.68	1.40	0.237	0.00	0.38	0.537	
203	MC	1633	445	0.19	2.58	0.108	0.92	3.10	0.078	-0.01	2.07	0.150	
204	MC	1633	445	-0.05	0.14	0.713	0.40	0.44	0.509	-0.01	0.58	0.448	
205	MC	1633	445	-0.45	11.65	0.001	-0.92	3.01	0.083	0.01	0.85	0.358	Uniform<
206	MC	1633	445	-0.30	5.05	0.025	0.25	0.18	0.669	-0.01	0.92	0.337	
207	MC	1633	445	-0.15	1.26	0.262	-0.53	0.95	0.330	0.01	0.52	0.471	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.180: Logistic Regression DIF Results on Stage III Listening Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
169	MC	479	6668	-0.11	1.00	0.317	-1.55	3.55	0.059	0.02	3.10	0.078	NonUniform
170	MC	479	6668	-0.18	1.50	0.221	0.60	0.36	0.548	-0.01	0.63	0.426	
171	MC	479	6668	0.18	2.87	0.090	-3.27	12.28	0.000	0.05	13.82	0.000	
172	MC	107	1653	-0.17	0.13	0.719	0.30	0.01	0.928	-0.01	0.02	0.886	
173	MC	107	1653	-0.25	0.86	0.354	-0.18	0.01	0.927	0.00	0.00	0.970	
174	MC	107	1653	1.84	3.30	0.069	6.04	0.63	0.428	-0.06	0.33	0.563	
175	MC	107	1653	0.39	0.42	0.517	3.83	0.76	0.383	-0.05	0.66	0.415	
176	MC	107	1653	-0.04	0.03	0.869	-1.04	0.34	0.557	0.01	0.32	0.569	
177	MC	107	1653	0.28	0.35	0.554	1.67	0.25	0.619	-0.02	0.18	0.673	
178	MC	107	1653	0.02	0.01	0.927	-2.33	1.95	0.163	0.03	2.01	0.157	
179	MC	107	1653	0.25	0.42	0.515	-2.01	0.48	0.486	0.03	0.61	0.435	
180	MC	107	1653	-0.04	0.04	0.844	-0.48	0.07	0.790	0.01	0.06	0.808	
181	MC	122	1693	0.24	1.29	0.256	-4.81	5.64	0.018	0.06	6.41	0.011	
182	MC	122	1693	-0.12	0.27	0.606	-2.05	1.32	0.250	0.03	1.18	0.278	
183	MC	122	1693	-0.22	0.16	0.688	1.02	0.08	0.781	-0.02	0.12	0.731	
184	MC	122	1693	0.32	1.51	0.220	1.62	0.68	0.408	-0.02	0.45	0.500	
185	MC	122	1693	-0.12	0.15	0.697	-2.31	1.11	0.293	0.03	1.00	0.317	
186	MC	122	1693	0.00	0.00	0.982	-1.60	0.91	0.339	0.02	0.92	0.337	
187	MC	122	1693	0.30	0.71	0.398	-7.31	4.86	0.028	0.11	5.06	0.025	
188	MC	122	1693	0.03	0.01	0.914	-2.68	1.59	0.208	0.04	1.62	0.203	
189	MC	122	1693	-0.36	3.18	0.074	-0.86	0.28	0.598	0.01	0.10	0.757	
190	MC	123	1689	0.12	0.20	0.653	-3.74	3.70	0.055	0.05	3.88	0.049	
191	MC	123	1689	0.12	0.26	0.613	-1.70	1.04	0.308	0.02	1.20	0.273	
192	MC	123	1689	-0.09	0.15	0.702	-0.71	0.21	0.650	0.01	0.16	0.688	
193	MC	123	1689	-0.13	0.18	0.674	-0.48	0.06	0.809	0.00	0.03	0.859	
194	MC	123	1689	0.12	0.30	0.584	-2.47	2.34	0.126	0.03	2.59	0.107	
195	MC	123	1689	-0.30	1.75	0.186	-0.90	0.36	0.551	0.01	0.16	0.687	
196	MC	123	1689	0.46	0.77	0.381	-2.05	0.40	0.526	0.04	0.59	0.442	
197	MC	123	1689	0.10	0.21	0.645	-1.64	1.14	0.286	0.02	1.30	0.255	
198	MC	123	1689	-0.11	0.13	0.722	-2.73	1.45	0.228	0.04	1.33	0.248	
199	MC	127	1633	-0.15	0.51	0.476	-2.30	1.84	0.175	0.03	1.66	0.198	
200	MC	127	1633	-0.06	0.07	0.784	1.85	1.42	0.233	-0.03	1.57	0.210	
201	MC	127	1633	-0.13	0.05	0.815	-2.07	0.36	0.550	0.03	0.31	0.576	
202	MC	127	1633	0.33	2.44	0.118	-3.93	4.37	0.036	0.06	5.34	0.021	
203	MC	127	1633	-0.07	0.15	0.700	-2.28	2.38	0.123	0.03	2.28	0.131	
204	MC	127	1633	0.15	0.49	0.482	0.62	0.16	0.691	-0.01	0.09	0.763	
205	MC	127	1633	-0.01	0.00	0.972	-2.44	2.33	0.127	0.03	2.34	0.126	
206	MC	127	1633	0.03	0.02	0.884	-1.47	0.84	0.359	0.02	0.89	0.346	
207	MC	127	1633	0.23	1.03	0.311	-0.26	0.02	0.875	0.01	0.09	0.763	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.181: Logistic Regression DIF Results on Stage III Listening Items for the FRL/Non-FRL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
169	MC	7594	1031	-0.08	0.94	0.334	0.32	0.92	0.336	-0.01	1.48	0.224	NonUniform
170	MC	7594	1031	-0.01	0.01	0.928	0.27	0.52	0.471	0.00	0.59	0.443	
171	MC	7594	1031	-0.15	3.84	0.050	1.00	6.21	0.013	-0.02	8.54	0.003	
172	MC	1908	294	0.30	1.50	0.221	1.32	2.32	0.127	-0.02	1.50	0.220	
173	MC	1908	294	0.17	0.94	0.332	0.91	1.74	0.187	-0.01	1.24	0.266	
174	MC	1908	294	0.25	1.40	0.237	0.04	0.00	0.958	0.00	0.09	0.766	
175	MC	1908	294	0.11	0.21	0.647	1.24	1.90	0.168	-0.02	1.68	0.195	
176	MC	1908	294	-0.28	3.69	0.055	0.16	0.07	0.792	-0.01	0.59	0.443	
177	MC	1908	294	-0.25	1.22	0.270	-0.08	0.01	0.912	0.00	0.05	0.821	
178	MC	1908	294	-0.25	3.44	0.064	-0.49	0.79	0.373	0.00	0.21	0.651	
179	MC	1908	294	0.17	0.86	0.354	0.03	0.00	0.966	0.00	0.04	0.839	
180	MC	1908	294	-0.15	1.07	0.300	-0.81	1.51	0.219	0.01	1.05	0.306	
181	MC	1936	258	-0.23	2.48	0.115	0.80	1.18	0.277	-0.01	2.05	0.152	
182	MC	1936	258	0.01	0.00	0.970	-0.10	0.02	0.880	0.00	0.03	0.870	
183	MC	1936	258	0.41	2.41	0.120	-1.46	2.13	0.144	0.03	4.07	0.044	
184	MC	1936	258	0.05	0.12	0.726	0.09	0.02	0.887	0.00	0.00	0.950	Uniform<
185	MC	1936	258	0.07	0.18	0.673	-0.38	0.27	0.604	0.01	0.41	0.523	
186	MC	1936	258	-0.07	0.27	0.602	0.79	1.28	0.258	-0.01	1.60	0.206	
187	MC	1936	258	0.16	0.74	0.389	-0.16	0.04	0.848	0.01	0.15	0.696	
188	MC	1936	258	0.09	0.29	0.590	-0.19	0.07	0.790	0.00	0.16	0.688	
189	MC	1936	258	0.00	0.00	0.995	0.74	1.13	0.287	-0.01	1.19	0.276	
190	MC	1946	212	0.20	1.37	0.241	1.05	2.11	0.147	-0.01	1.45	0.229	
191	MC	1946	212	0.00	0.00	0.988	-0.24	0.13	0.721	0.00	0.14	0.708	
192	MC	1946	212	0.22	1.72	0.190	0.60	0.72	0.396	-0.01	0.31	0.577	
193	MC	1946	212	0.27	1.75	0.186	1.55	3.68	0.055	-0.02	2.65	0.103	
194	MC	1946	212	0.12	0.57	0.449	0.40	0.35	0.554	0.00	0.18	0.672	
195	MC	1946	212	-0.12	0.47	0.491	-1.07	2.82	0.093	0.01	2.45	0.118	
196	MC	1946	212	0.38	2.75	0.097	0.22	0.07	0.793	0.00	0.04	0.833	
197	MC	1946	212	-0.11	0.47	0.494	0.19	0.07	0.787	0.00	0.20	0.658	
198	MC	1946	212	-0.09	0.18	0.673	1.71	2.82	0.093	-0.03	3.25	0.071	
199	MC	1804	267	-0.17	1.40	0.237	-1.13	3.23	0.072	0.01	2.44	0.118	Uniform<
200	MC	1804	267	-0.17	1.11	0.292	-0.98	2.34	0.126	0.01	1.74	0.187	
201	MC	1804	267	-0.16	0.23	0.633	-0.36	0.09	0.767	0.00	0.03	0.864	
202	MC	1804	267	-0.52	12.73	0.000	-0.13	0.03	0.855	-0.01	0.34	0.562	
203	MC	1804	267	-0.03	0.05	0.830	0.80	1.88	0.170	-0.01	2.15	0.143	
204	MC	1804	267	0.03	0.05	0.815	-0.54	0.67	0.412	0.01	0.81	0.370	
205	MC	1804	267	-0.26	3.09	0.079	0.96	2.00	0.157	-0.02	3.40	0.065	
206	MC	1804	267	-0.20	1.74	0.187	0.14	0.04	0.838	-0.01	0.26	0.610	
207	MC	1804	267	-0.03	0.05	0.822	0.40	0.37	0.546	-0.01	0.45	0.501	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.182: Logistic Regression DIF Results on Stage III Speaking Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
208	SA4	2819	3849	-0.23	22.53	0.000	-0.88	15.83	0.000	0.01	9.13	0.003	NonUniform
209	SA4	2819	3849	-0.14	9.37	0.002	-0.75	12.25	0.000	0.01	8.32	0.004	NonUniform
210	SA4	709	944	0.01	0.01	0.943	0.45	0.97	0.324	-0.01	0.97	0.325	
211	SA4	709	944	0.13	1.66	0.197	0.43	0.88	0.348	0.00	0.45	0.502	
212	SA4	709	944	-0.12	1.56	0.212	-0.73	2.49	0.115	0.01	1.81	0.179	
213	SA4	709	944	0.08	0.70	0.402	-0.14	0.10	0.749	0.00	0.26	0.613	
214	SA4	709	944	-0.30	10.74	0.001	0.35	0.61	0.434	-0.01	2.22	0.136	Uniform<
215	SA4	709	944	0.15	2.55	0.111	-0.57	1.58	0.209	0.01	2.61	0.106	
216	SA4	709	944	0.04	0.22	0.638	-0.32	0.53	0.467	0.01	0.72	0.398	
217	SA4	709	944	0.09	0.88	0.347	0.26	0.33	0.563	0.00	0.15	0.698	
218	SA4	720	973	-0.01	0.02	0.893	-0.24	0.32	0.571	0.00	0.30	0.584	
219	SA4	720	973	-0.01	0.00	0.953	-1.00	5.32	0.021	0.02	5.46	0.020	
220	SA4	720	973	-0.18	3.50	0.061	-0.60	1.79	0.181	0.01	0.92	0.336	
221	SA4	720	973	0.08	0.78	0.377	-0.11	0.06	0.803	0.00	0.20	0.654	
222	SA4	720	973	-0.56	37.47	0.000	-0.50	1.38	0.240	0.00	0.02	0.880	Uniform<
223	SA4	720	973	-0.06	0.38	0.538	-0.19	0.20	0.657	0.00	0.10	0.752	
224	SA4	720	973	-0.03	0.07	0.794	-0.30	0.50	0.481	0.00	0.44	0.508	
225	SA4	720	973	0.14	2.05	0.152	-0.81	3.52	0.061	0.02	5.06	0.024	
226	SA4	698	991	-0.15	2.51	0.113	-1.42	10.99	0.001	0.02	9.06	0.003	NonUniform
227	SA4	698	991	-0.17	3.25	0.072	-0.54	1.63	0.202	0.01	0.79	0.376	
228	SA4	698	991	-0.09	0.93	0.334	-0.85	3.58	0.058	0.01	2.98	0.084	
229	SA4	698	991	-0.15	2.43	0.119	-0.63	1.89	0.169	0.01	1.13	0.287	
230	SA4	698	991	-0.38	17.45	0.000	-0.62	2.24	0.134	0.00	0.35	0.555	Uniform<
231	SA4	698	991	0.11	1.36	0.243	-1.16	7.30	0.007	0.02	9.29	0.002	NonUniform
232	SA4	698	991	-0.15	2.43	0.119	-0.52	1.47	0.225	0.01	0.78	0.377	
233	SA4	698	991	-0.50	28.52	0.000	-0.87	4.27	0.039	0.01	0.80	0.372	Uniform<
234	SA4	692	941	-0.05	0.27	0.602	-0.49	1.08	0.298	0.01	0.89	0.345	
235	SA4	692	941	-0.01	0.02	0.891	-1.68	11.59	0.001	0.03	11.88	0.001	NonUniform
236	SA4	692	941	-0.16	2.73	0.098	-1.26	6.69	0.010	0.02	5.26	0.022	
237	SA4	692	941	-0.06	0.32	0.573	-1.36	7.69	0.006	0.02	7.35	0.007	NonUniform
238	SA4	692	941	-0.14	2.28	0.131	-0.37	0.66	0.418	0.00	0.26	0.612	
239	SA4	692	941	0.22	4.63	0.031	-1.02	4.46	0.035	0.02	6.87	0.009	NonUniform
240	SA4	692	941	0.15	1.88	0.171	-0.41	0.68	0.408	0.01	1.35	0.245	
241	SA4	692	941	-0.09	0.63	0.429	-0.81	2.72	0.099	0.01	2.27	0.132	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.183: Logistic Regression DIF Results on Stage III Speaking Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
208	SA4	5193	1475	0.14	5.73	0.017	0.46	3.11	0.078	0.00	1.60	0.206	NonUniform
209	SA4	5193	1475	0.00	0.00	0.959	1.07	17.67	0.000	-0.02	18.33	0.000	
210	SA4	1274	379	0.03	0.07	0.792	0.72	1.71	0.191	-0.01	1.61	0.204	
211	SA4	1274	379	0.23	3.71	0.054	0.59	1.17	0.278	-0.01	0.46	0.497	
212	SA4	1274	379	0.17	2.25	0.133	0.40	0.53	0.465	0.00	0.19	0.667	Uniform>
213	SA4	1274	379	-0.03	0.06	0.802	-0.37	0.49	0.484	0.01	0.44	0.508	
214	SA4	1274	379	-0.13	1.38	0.240	0.06	0.01	0.914	0.00	0.13	0.722	
215	SA4	1274	379	0.29	6.82	0.009	-0.03	0.00	0.955	0.00	0.38	0.540	
216	SA4	1274	379	0.14	1.67	0.196	-0.22	0.17	0.682	0.01	0.48	0.487	NonUniform
217	SA4	1274	379	0.11	0.98	0.323	0.05	0.01	0.927	0.00	0.01	0.904	
218	SA4	1253	440	0.05	0.20	0.658	1.11	5.49	0.019	-0.02	5.23	0.022	
219	SA4	1253	440	0.21	3.82	0.051	1.46	9.50	0.002	-0.02	7.20	0.007	
220	SA4	1253	440	0.16	2.18	0.140	0.69	2.02	0.156	-0.01	1.27	0.260	Uniform>
221	SA4	1253	440	-0.01	0.01	0.907	0.62	1.62	0.203	-0.01	1.80	0.180	
222	SA4	1253	440	0.18	3.14	0.077	0.42	0.83	0.363	0.00	0.28	0.595	
223	SA4	1253	440	0.35	11.25	0.001	0.86	3.43	0.064	-0.01	1.28	0.258	
224	SA4	1253	440	0.11	1.00	0.317	0.50	1.09	0.295	-0.01	0.70	0.403	Uniform>
225	SA4	1253	440	0.33	9.82	0.002	1.20	6.41	0.011	-0.01	3.54	0.060	
226	SA4	1310	379	0.02	0.04	0.850	0.16	0.11	0.744	0.00	0.08	0.773	
227	SA4	1310	379	0.07	0.34	0.561	0.60	1.49	0.223	-0.01	1.23	0.267	
228	SA4	1310	379	-0.07	0.41	0.524	-0.11	0.04	0.837	0.00	0.01	0.943	Uniform>
229	SA4	1310	379	0.02	0.03	0.863	-1.21	4.95	0.026	0.02	5.37	0.020	
230	SA4	1310	379	-0.06	0.32	0.571	0.13	0.07	0.794	0.00	0.16	0.693	
231	SA4	1310	379	-0.10	0.72	0.396	0.30	0.36	0.546	-0.01	0.68	0.411	
232	SA4	1310	379	0.12	1.05	0.306	0.68	1.83	0.177	-0.01	1.32	0.251	Uniform>
233	SA4	1310	379	0.13	1.28	0.258	-0.24	0.24	0.625	0.01	0.58	0.446	
234	SA4	1356	277	-0.16	1.48	0.223	0.93	2.24	0.135	-0.02	3.14	0.077	
235	SA4	1356	277	0.14	1.17	0.279	0.41	0.40	0.525	0.00	0.18	0.673	
236	SA4	1356	277	0.07	0.25	0.615	0.06	0.01	0.928	0.00	0.00	0.990	Uniform>
237	SA4	1356	277	-0.03	0.04	0.844	0.20	0.10	0.751	0.00	0.13	0.716	
238	SA4	1356	277	0.06	0.24	0.622	-0.26	0.20	0.657	0.01	0.32	0.574	
239	SA4	1356	277	0.21	2.50	0.114	0.39	0.39	0.532	0.00	0.08	0.771	
240	SA4	1356	277	0.49	11.06	0.001	0.15	0.06	0.813	0.01	0.28	0.596	Uniform>
241	SA4	1356	277	-0.22	2.31	0.129	-0.54	0.70	0.402	0.01	0.26	0.613	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.184: Logistic Regression DIF Results on Stage III Speaking Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
208	SA4	513	6155	0.11	1.65	0.199	-0.03	0.01	0.943	0.00	0.11	0.741	
209	SA4	513	6155	0.17	4.08	0.043	0.24	0.31	0.576	0.00	0.03	0.874	
210	SA4	69	1584	-0.11	0.21	0.645	-0.34	0.08	0.771	0.00	0.04	0.840	
211	SA4	69	1584	-0.15	0.38	0.537	-1.50	1.62	0.204	0.02	1.35	0.244	
212	SA4	69	1584	0.44	3.65	0.056	-0.06	0.00	0.963	0.01	0.18	0.669	
213	SA4	69	1584	0.19	0.69	0.408	-0.29	0.06	0.800	0.01	0.18	0.671	
214	SA4	69	1584	-0.09	0.15	0.698	-0.75	0.43	0.513	0.01	0.34	0.557	
215	SA4	69	1584	0.05	0.05	0.819	2.39	4.37	0.037	-0.04	4.34	0.037	
216	SA4	69	1584	0.03	0.02	0.888	-0.38	0.11	0.740	0.01	0.13	0.715	
217	SA4	69	1584	-0.06	0.07	0.788	-1.64	1.97	0.160	0.02	1.92	0.166	
218	SA4	178	1515	-0.01	0.01	0.943	1.35	3.09	0.079	-0.02	3.20	0.074	
219	SA4	178	1515	0.01	0.00	0.962	2.59	10.61	0.001	-0.04	10.86	0.001	NonUniform
220	SA4	178	1515	-0.04	0.05	0.817	0.43	0.27	0.603	-0.01	0.33	0.567	
221	SA4	178	1515	-0.22	2.07	0.150	0.40	0.25	0.620	-0.01	0.62	0.433	
222	SA4	178	1515	-0.06	0.18	0.671	0.13	0.03	0.862	0.00	0.07	0.793	
223	SA4	178	1515	-0.38	6.56	0.010	0.90	1.42	0.233	-0.02	3.00	0.083	
224	SA4	178	1515	-0.36	5.35	0.021	0.53	0.46	0.496	-0.01	1.35	0.245	
225	SA4	178	1515	-0.32	4.31	0.038	0.62	0.64	0.424	-0.01	1.53	0.216	
226	SA4	152	1537	0.14	0.74	0.391	-1.33	2.87	0.090	0.02	3.59	0.058	
227	SA4	152	1537	0.12	0.53	0.467	-0.26	0.11	0.735	0.01	0.25	0.615	
228	SA4	152	1537	-0.09	0.31	0.579	-0.03	0.00	0.967	0.00	0.01	0.942	
229	SA4	152	1537	-0.04	0.06	0.803	0.35	0.17	0.682	-0.01	0.22	0.639	
230	SA4	152	1537	0.24	2.41	0.120	0.01	0.00	0.989	0.00	0.10	0.754	
231	SA4	152	1537	-0.46	7.58	0.006	-1.10	1.98	0.160	0.01	0.71	0.400	Uniform<
232	SA4	152	1537	-0.03	0.04	0.851	-0.51	0.43	0.510	0.01	0.41	0.522	
233	SA4	152	1537	0.00	0.00	0.998	1.11	2.09	0.148	-0.02	2.17	0.140	
234	SA4	114	1519	-0.01	0.00	0.952	0.60	0.34	0.563	-0.01	0.35	0.552	
235	SA4	114	1519	-0.10	0.25	0.619	-0.29	0.07	0.788	0.00	0.03	0.855	
236	SA4	114	1519	0.06	0.10	0.754	-0.43	0.16	0.690	0.01	0.21	0.644	
237	SA4	114	1519	-0.07	0.15	0.702	1.12	1.04	0.308	-0.02	1.21	0.272	
238	SA4	114	1519	0.37	4.23	0.040	0.49	0.24	0.623	0.00	0.01	0.908	
239	SA4	114	1519	-0.26	1.74	0.187	1.73	2.72	0.099	-0.03	3.71	0.054	
240	SA4	114	1519	0.38	3.20	0.074	2.08	3.13	0.077	-0.03	2.15	0.143	
241	SA4	114	1519	0.15	0.49	0.485	1.95	2.89	0.089	-0.03	2.56	0.110	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.185: Logistic Regression DIF Results on Stage III Speaking Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
208	SA4	1334	5334	0.36	35.39	0.000	0.42	2.43	0.119	0.00	0.06	0.810	Uniform>
209	SA4	1334	5334	0.37	40.57	0.000	0.51	3.73	0.053	0.00	0.27	0.605	Uniform>
210	SA4	361	1292	-0.03	0.06	0.813	-0.51	0.95	0.330	0.01	0.87	0.351	
211	SA4	361	1292	-0.10	0.73	0.391	-0.19	0.12	0.727	0.00	0.02	0.876	
212	SA4	361	1292	0.45	14.62	0.000	0.98	3.37	0.066	-0.01	1.02	0.312	Uniform>
213	SA4	361	1292	0.00	0.00	0.970	-0.44	0.74	0.388	0.01	0.80	0.372	
214	SA4	361	1292	0.21	3.48	0.062	-0.48	0.87	0.352	0.01	1.88	0.170	
215	SA4	361	1292	0.16	1.87	0.171	-0.08	0.03	0.871	0.00	0.22	0.636	
216	SA4	361	1292	0.18	2.51	0.113	0.14	0.07	0.790	0.00	0.01	0.927	
217	SA4	361	1292	0.13	1.17	0.279	-0.42	0.63	0.426	0.01	1.13	0.287	
218	SA4	326	1367	0.36	9.07	0.003	0.24	0.19	0.660	0.00	0.05	0.823	Uniform>
219	SA4	326	1367	0.41	11.21	0.001	1.71	9.48	0.002	-0.02	5.69	0.017	Uniform>
220	SA4	326	1367	0.38	9.20	0.002	0.81	1.97	0.161	-0.01	0.59	0.444	Uniform>
221	SA4	326	1367	-0.04	0.09	0.761	1.69	8.63	0.003	-0.03	9.56	0.002	NonUniform
222	SA4	326	1367	0.40	11.61	0.001	-0.27	0.26	0.612	0.01	1.60	0.206	Uniform>
223	SA4	326	1367	0.32	7.46	0.006	0.45	0.69	0.405	0.00	0.06	0.813	Uniform>
224	SA4	326	1367	0.11	0.79	0.373	0.58	1.13	0.288	-0.01	0.78	0.378	
225	SA4	326	1367	0.28	5.29	0.021	1.40	6.55	0.011	-0.02	4.43	0.035	
226	SA4	301	1388	0.52	17.33	0.000	1.40	6.60	0.010	-0.02	2.70	0.100	Uniform>
227	SA4	301	1388	0.22	3.07	0.080	0.68	1.59	0.208	-0.01	0.77	0.381	
228	SA4	301	1388	0.20	2.30	0.129	1.39	5.70	0.017	-0.02	4.47	0.035	
229	SA4	301	1388	0.14	1.12	0.290	1.31	4.76	0.029	-0.02	4.10	0.043	
230	SA4	301	1388	0.42	12.45	0.000	-0.18	0.11	0.740	0.01	1.34	0.246	Uniform>
231	SA4	301	1388	0.03	0.07	0.787	-0.40	0.52	0.472	0.01	0.65	0.421	
232	SA4	301	1388	0.33	6.95	0.008	-0.42	0.61	0.436	0.01	2.05	0.152	Uniform>
233	SA4	301	1388	0.30	6.06	0.014	1.48	7.53	0.006	-0.02	4.98	0.026	
234	SA4	346	1287	0.25	4.31	0.038	2.08	14.36	0.000	-0.03	11.57	0.001	NonUniform
235	SA4	346	1287	0.41	10.88	0.001	1.51	6.70	0.010	-0.02	3.72	0.054	Uniform>
236	SA4	346	1287	0.43	12.41	0.000	1.26	4.90	0.027	-0.01	2.24	0.135	Uniform>
237	SA4	346	1287	0.27	4.82	0.028	1.69	8.44	0.004	-0.02	6.29	0.012	
238	SA4	346	1287	0.37	10.01	0.002	0.41	0.60	0.440	0.00	0.01	0.937	Uniform>
239	SA4	346	1287	0.25	4.14	0.042	0.38	0.46	0.498	0.00	0.05	0.815	
240	SA4	346	1287	0.19	1.92	0.165	1.05	3.14	0.077	-0.02	2.26	0.133	
241	SA4	346	1287	0.44	10.75	0.001	0.58	1.01	0.315	0.00	0.06	0.804	Uniform>

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.186: Logistic Regression DIF Results on Stage III Speaking Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
208	SA4	5436	1232	0.11	3.11	0.078	0.46	2.79	0.095	-0.01	1.73	0.188	NonUniform
209	SA4	5436	1232	-0.05	0.59	0.444	0.65	5.70	0.017	-0.01	6.73	0.010	
210	SA4	1376	277	0.08	0.39	0.533	0.87	2.24	0.134	-0.01	1.89	0.169	
211	SA4	1376	277	0.08	0.38	0.535	0.71	1.50	0.220	-0.01	1.21	0.271	
212	SA4	1376	277	0.18	2.11	0.147	0.28	0.24	0.627	0.00	0.03	0.862	
213	SA4	1376	277	-0.03	0.05	0.819	-0.80	2.07	0.150	0.01	2.01	0.157	NonUniform
214	SA4	1376	277	-0.02	0.03	0.855	0.86	2.27	0.132	-0.01	2.52	0.113	
215	SA4	1376	277	0.19	2.31	0.128	-0.81	2.07	0.151	0.02	3.32	0.069	
216	SA4	1376	277	-0.10	0.72	0.395	0.26	0.21	0.645	-0.01	0.44	0.506	
217	SA4	1376	277	0.25	3.88	0.049	0.24	0.18	0.674	0.00	0.00	0.985	
218	SA4	1335	358	0.11	1.02	0.313	1.53	9.28	0.002	-0.02	8.29	0.004	NonUniform
219	SA4	1335	358	0.16	1.96	0.162	0.81	2.67	0.102	-0.01	1.77	0.183	
220	SA4	1335	358	0.16	1.92	0.165	0.67	1.70	0.192	-0.01	1.04	0.308	
221	SA4	1335	358	0.30	6.54	0.011	0.33	0.43	0.514	0.00	0.01	0.940	NonUniform
222	SA4	1335	358	0.02	0.04	0.850	1.74	11.68	0.001	-0.03	11.97	0.001	
223	SA4	1335	358	0.36	10.27	0.001	0.68	1.96	0.161	-0.01	0.47	0.494	
224	SA4	1335	358	0.04	0.14	0.705	0.57	1.32	0.250	-0.01	1.19	0.275	Uniform>
225	SA4	1335	358	0.44	14.75	0.000	1.08	4.75	0.029	-0.01	1.79	0.181	
226	SA4	1369	320	0.07	0.34	0.562	-0.24	0.19	0.659	0.00	0.33	0.565	
227	SA4	1369	320	-0.07	0.37	0.542	0.36	0.43	0.513	-0.01	0.65	0.421	Uniform>
228	SA4	1369	320	-0.11	0.79	0.373	0.13	0.05	0.824	0.00	0.17	0.676	
229	SA4	1369	320	-0.01	0.01	0.936	-0.18	0.09	0.764	0.00	0.08	0.771	
230	SA4	1369	320	-0.25	4.87	0.027	-0.23	0.19	0.666	0.00	0.00	0.968	Uniform>
231	SA4	1369	320	-0.11	0.76	0.382	0.40	0.51	0.475	-0.01	0.86	0.353	
232	SA4	1369	320	0.04	0.12	0.726	0.48	0.74	0.389	-0.01	0.64	0.422	
233	SA4	1369	320	0.29	5.95	0.015	0.12	0.05	0.822	0.00	0.10	0.757	Uniform>
234	SA4	1356	277	-0.01	0.00	0.963	0.26	0.17	0.679	0.00	0.18	0.668	
235	SA4	1356	277	0.01	0.01	0.911	0.32	0.22	0.636	0.00	0.21	0.645	
236	SA4	1356	277	0.00	0.00	0.994	-0.23	0.12	0.726	0.00	0.13	0.719	Uniform>
237	SA4	1356	277	0.03	0.06	0.808	-0.48	0.51	0.475	0.01	0.61	0.436	
238	SA4	1356	277	-0.13	1.15	0.283	-0.54	0.78	0.376	0.01	0.47	0.494	
239	SA4	1356	277	0.18	1.82	0.178	0.11	0.03	0.864	0.00	0.01	0.914	Uniform>
240	SA4	1356	277	0.25	3.02	0.082	-0.57	0.68	0.411	0.01	1.49	0.222	
241	SA4	1356	277	-0.17	1.39	0.239	-1.29	3.49	0.062	0.02	2.74	0.098	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.187: Logistic Regression DIF Results on Stage III Speaking Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
208	SA4	5436	671	-0.13	2.74	0.098	0.01	0.00	0.986	0.00	0.12	0.729	Uniform<
209	SA4	5436	671	-0.23	9.12	0.003	-0.56	2.03	0.154	0.01	0.71	0.400	
210	SA4	1376	155	-0.07	0.16	0.687	1.96	6.16	0.013	-0.03	6.60	0.010	
211	SA4	1376	155	-0.09	0.26	0.607	1.40	3.38	0.066	-0.02	3.94	0.047	
212	SA4	1376	155	-0.14	0.79	0.375	0.16	0.05	0.832	0.00	0.17	0.679	
213	SA4	1376	155	0.02	0.02	0.892	-0.02	0.00	0.976	0.00	0.00	0.952	
214	SA4	1376	155	-0.11	0.50	0.482	0.76	1.05	0.304	-0.01	1.46	0.227	
215	SA4	1376	155	-0.02	0.02	0.885	-0.71	0.94	0.332	0.01	0.93	0.335	
216	SA4	1376	155	-0.21	1.73	0.188	0.74	1.04	0.309	-0.01	1.77	0.184	
217	SA4	1376	155	0.14	0.78	0.377	0.91	1.53	0.216	-0.01	1.15	0.285	
218	SA4	1335	180	-0.06	0.15	0.700	0.18	0.05	0.821	0.00	0.09	0.762	
219	SA4	1335	180	-0.18	1.36	0.244	-1.80	4.68	0.031	0.03	3.95	0.047	
220	SA4	1335	180	-0.03	0.04	0.836	-1.20	1.92	0.166	0.02	1.89	0.169	
221	SA4	1335	180	0.34	4.67	0.031	-0.01	0.00	0.992	0.01	0.17	0.680	
222	SA4	1335	180	-0.17	1.42	0.233	0.28	0.13	0.720	-0.01	0.35	0.556	Uniform<
223	SA4	1335	180	-0.03	0.04	0.849	-1.82	5.18	0.023	0.03	5.24	0.022	
224	SA4	1335	180	0.08	0.26	0.609	-0.01	0.00	0.994	0.00	0.01	0.914	
225	SA4	1335	180	0.28	3.28	0.070	-0.05	0.00	0.954	0.01	0.16	0.686	
226	SA4	1369	166	0.05	0.11	0.740	-1.40	2.88	0.089	0.02	3.22	0.073	
227	SA4	1369	166	-0.30	3.45	0.063	-1.08	1.67	0.196	0.01	0.90	0.342	
228	SA4	1369	166	-0.18	1.31	0.253	0.43	0.23	0.629	-0.01	0.49	0.483	
229	SA4	1369	166	0.06	0.14	0.709	0.83	0.83	0.363	-0.01	0.74	0.391	
230	SA4	1369	166	-0.40	6.97	0.008	-1.70	4.49	0.034	0.02	2.69	0.101	
231	SA4	1369	166	0.04	0.08	0.784	-0.56	0.43	0.513	0.01	0.52	0.472	
232	SA4	1369	166	-0.07	0.17	0.683	0.24	0.08	0.774	0.00	0.14	0.712	
233	SA4	1369	166	0.24	2.46	0.117	-0.52	0.41	0.520	0.01	0.91	0.339	
234	SA4	1356	170	-0.19	1.43	0.232	-0.21	0.06	0.801	0.00	0.00	0.980	
235	SA4	1356	170	-0.22	1.89	0.169	1.54	2.97	0.085	-0.03	4.00	0.045	
236	SA4	1356	170	-0.12	0.52	0.469	-0.24	0.08	0.782	0.00	0.02	0.884	
237	SA4	1356	170	0.00	0.00	0.988	-0.25	0.08	0.778	0.00	0.08	0.773	
238	SA4	1356	170	-0.25	2.73	0.098	-1.36	2.90	0.089	0.02	2.01	0.156	
239	SA4	1356	170	0.19	1.26	0.261	-0.56	0.42	0.518	0.01	0.78	0.378	
240	SA4	1356	170	0.41	5.14	0.023	-0.65	0.51	0.475	0.02	1.41	0.235	
241	SA4	1356	170	-0.25	1.94	0.164	-1.96	4.48	0.034	0.03	3.57	0.059	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.188: Logistic Regression DIF Results on Stage III Speaking Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
208	SA4	561	671	-0.53	22.49	0.000	-1.02	3.87	0.049	0.01	0.94	0.331	Uniform< NonUniform
209	SA4	561	671	-0.37	11.95	0.001	-1.92	14.74	0.000	0.02	9.98	0.002	
210	SA4	122	155	-0.35	2.19	0.138	1.82	2.90	0.088	-0.03	4.24	0.040	Uniform<
211	SA4	122	155	-0.41	2.91	0.088	1.12	1.14	0.286	-0.02	2.17	0.141	
212	SA4	122	155	-0.71	8.95	0.003	-0.79	0.55	0.457	0.00	0.01	0.934	NonUniform
213	SA4	122	155	0.14	0.38	0.540	1.79	3.10	0.078	-0.02	2.75	0.097	
214	SA4	122	155	-0.27	1.38	0.240	-0.36	0.12	0.732	0.00	0.01	0.928	NonUniform
215	SA4	122	155	-0.45	3.87	0.049	-0.10	0.01	0.923	-0.01	0.12	0.728	
216	SA4	122	155	-0.24	1.17	0.279	0.95	0.87	0.351	-0.02	1.45	0.228	NonUniform
217	SA4	122	155	-0.27	1.26	0.261	1.56	2.15	0.142	-0.03	3.11	0.078	
218	SA4	178	180	-0.31	2.32	0.128	-2.12	4.79	0.029	0.03	3.66	0.056	NonUniform
219	SA4	178	180	-0.67	9.73	0.002	-3.77	14.22	0.000	0.05	10.13	0.001	
220	SA4	178	180	-0.39	3.35	0.067	-3.01	8.16	0.004	0.04	6.60	0.010	NonUniform
221	SA4	178	180	0.07	0.11	0.740	-0.62	0.39	0.530	0.01	0.51	0.474	
222	SA4	178	180	-0.33	2.75	0.097	-2.30	5.65	0.017	0.03	4.35	0.037	NonUniform
223	SA4	178	180	-0.80	15.52	0.000	-4.21	18.46	0.000	0.05	12.84	0.000	
224	SA4	178	180	0.10	0.22	0.642	-0.86	0.83	0.362	0.01	1.08	0.300	NonUniform
225	SA4	178	180	-0.29	2.15	0.142	-1.71	3.41	0.065	0.02	2.46	0.116	
226	SA4	154	166	-0.04	0.03	0.853	-2.06	3.96	0.046	0.03	3.95	0.047	NonUniform
227	SA4	154	166	-0.47	4.47	0.034	-2.58	5.98	0.014	0.03	4.18	0.041	
228	SA4	154	166	-0.15	0.49	0.485	0.47	0.18	0.668	-0.01	0.34	0.561	NonUniform
229	SA4	154	166	0.12	0.30	0.585	1.41	1.56	0.212	-0.02	1.36	0.244	
230	SA4	154	166	-0.27	1.69	0.193	-2.11	4.38	0.036	0.03	3.47	0.063	NonUniform
231	SA4	154	166	0.34	2.29	0.130	-1.48	2.06	0.151	0.03	3.24	0.072	
232	SA4	154	166	-0.20	0.84	0.359	-0.31	0.09	0.769	0.00	0.01	0.918	NonUniform
233	SA4	154	166	-0.10	0.20	0.657	-1.16	1.27	0.259	0.02	1.12	0.290	
234	SA4	107	170	-0.46	3.62	0.057	-1.12	0.89	0.344	0.01	0.32	0.571	NonUniform
235	SA4	107	170	-0.69	7.21	0.007	2.39	3.38	0.066	-0.05	5.77	0.016	
236	SA4	107	170	-0.32	1.67	0.196	-0.08	0.00	0.947	0.00	0.04	0.846	NonUniform
237	SA4	107	170	-0.09	0.14	0.711	0.41	0.11	0.740	-0.01	0.17	0.679	
238	SA4	107	170	-0.33	1.98	0.159	-2.00	2.89	0.089	0.03	2.10	0.147	NonUniform
239	SA4	107	170	0.01	0.00	0.983	-1.37	1.33	0.248	0.02	1.41	0.236	
240	SA4	107	170	0.31	1.42	0.233	-0.12	0.01	0.921	0.01	0.13	0.719	NonUniform
241	SA4	107	170	-0.23	0.67	0.414	-1.58	1.51	0.219	0.02	1.15	0.283	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.189: Logistic Regression DIF Results on Stage III Speaking Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
208	SA4	103	671	-0.44	4.60	0.032	0.95	0.66	0.416	-0.02	1.45	0.228	
209	SA4	103	671	-0.07	0.14	0.711	-0.88	0.60	0.438	0.01	0.52	0.473	
210	SA4	7	155	-0.81	1.21	0.271	1.14	0.09	0.767	-0.03	0.26	0.607	
211	SA4	7	155	-0.31	0.17	0.678	-0.84	0.04	0.835	0.01	0.02	0.894	
212	SA4	7	155	-0.31	0.18	0.673	-1.50	0.13	0.717	0.02	0.08	0.776	
213	SA4	7	155	0.80	1.26	0.263	2.87	0.56	0.454	-0.03	0.31	0.577	
214	SA4	7	155	0.06	0.01	0.936	2.96	0.60	0.439	-0.05	0.64	0.424	
215	SA4	7	155	-0.28	0.15	0.698	0.20	0.00	0.961	-0.01	0.01	0.907	
216	SA4	7	155	-0.09	0.02	0.894	7.47	3.72	0.054	-0.12	4.25	0.039	
217	SA4	7	155	-0.78	1.06	0.303	2.53	0.37	0.542	-0.05	0.67	0.413	
218	SA4	48	180	0.09	0.09	0.763	1.22	0.41	0.522	-0.02	0.35	0.556	
219	SA4	48	180	-0.13	0.15	0.702	3.01	2.25	0.133	-0.05	2.50	0.114	
220	SA4	48	180	0.18	0.31	0.579	-0.75	0.13	0.721	0.01	0.20	0.653	
221	SA4	48	180	0.42	1.74	0.187	0.14	0.00	0.949	0.00	0.02	0.891	
222	SA4	48	180	0.12	0.15	0.700	0.45	0.06	0.814	0.00	0.03	0.861	
223	SA4	48	180	-0.80	6.44	0.011	-2.22	1.33	0.249	0.02	0.55	0.457	
224	SA4	48	180	-0.11	0.11	0.739	-1.29	0.45	0.502	0.02	0.39	0.534	
225	SA4	48	180	-0.25	0.64	0.423	0.29	0.02	0.881	-0.01	0.08	0.774	
226	SA4	41	166	0.45	1.86	0.173	-2.17	1.43	0.232	0.04	2.08	0.149	
227	SA4	41	166	-0.33	0.92	0.337	-2.70	2.33	0.127	0.04	1.85	0.174	
228	SA4	41	166	-1.11	8.17	0.004	-1.79	0.75	0.386	0.01	0.11	0.740	Uniform<
229	SA4	41	166	-0.29	0.62	0.430	0.58	0.09	0.771	-0.01	0.20	0.657	
230	SA4	41	166	-0.22	0.47	0.494	-2.38	1.85	0.174	0.03	1.53	0.216	
231	SA4	41	166	-0.62	3.34	0.068	-4.57	6.21	0.013	0.06	4.87	0.027	
232	SA4	41	166	-0.03	0.01	0.942	-0.14	0.01	0.936	0.00	0.00	0.947	
233	SA4	41	166	-0.10	0.08	0.773	-2.60	2.00	0.157	0.04	1.94	0.164	
234	SA4	7	170	-1.34	3.28	0.070	-2.45	0.22	0.637	0.02	0.05	0.831	
235	SA4	7	170	-1.78	4.03	0.045	6.12	0.82	0.366	-0.12	1.37	0.242	
236	SA4	7	170	-0.13	0.03	0.862	-5.67	0.92	0.338	0.08	0.86	0.353	
237	SA4	7	170	-0.19	0.06	0.800	-3.97	0.49	0.485	0.06	0.45	0.502	
238	SA4	7	170	0.78	1.16	0.282	5.72	1.30	0.255	-0.08	0.99	0.319	
239	SA4	7	170	0.13	0.03	0.863	-0.05	0.00	0.992	0.00	0.00	0.971	
240	SA4	7	170	3.44	18.28	0.000	6.39	1.55	0.212	-0.04	0.33	0.565	Uniform>
241	SA4	7	170	-0.28	0.10	0.755	1.95	0.10	0.754	-0.03	0.13	0.716	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.190: Logistic Regression DIF Results on Stage III Speaking Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
208	SA4	6668	1991	0.05	1.06	0.302	0.08	0.13	0.722	0.00	0.01	0.914	
209	SA4	6668	1991	0.24	21.16	0.000	0.49	5.24	0.022	0.00	1.42	0.234	Uniform>
210	SA4	1653	560	0.39	14.49	0.000	1.62	14.82	0.000	-0.02	8.87	0.003	NonUniform
211	SA4	1653	560	0.36	12.11	0.001	1.60	14.74	0.000	-0.02	9.32	0.002	NonUniform
212	SA4	1653	560	-0.03	0.07	0.790	0.68	2.58	0.108	-0.01	2.94	0.086	
213	SA4	1653	560	0.05	0.24	0.622	1.00	5.58	0.018	-0.01	5.43	0.020	
214	SA4	1653	560	0.29	8.94	0.003	0.10	0.06	0.802	0.00	0.23	0.629	Uniform>
215	SA4	1653	560	0.39	15.56	0.000	0.22	0.30	0.583	0.00	0.18	0.673	Uniform>
216	SA4	1653	560	0.37	14.41	0.000	0.43	1.08	0.299	0.00	0.02	0.885	Uniform>
217	SA4	1653	560	0.34	11.24	0.001	1.01	6.00	0.014	-0.01	2.86	0.091	Uniform>
218	SA4	1693	512	0.23	4.80	0.028	0.57	1.53	0.216	0.00	0.58	0.447	
219	SA4	1693	512	0.36	11.63	0.001	0.39	0.71	0.399	0.00	0.00	0.955	Uniform>
220	SA4	1693	512	-0.01	0.01	0.938	-0.04	0.01	0.930	0.00	0.01	0.942	
221	SA4	1693	512	0.17	2.73	0.099	-0.34	0.51	0.477	0.01	1.20	0.274	
222	SA4	1693	512	0.04	0.16	0.687	-1.03	5.37	0.020	0.01	6.04	0.014	
223	SA4	1693	512	0.04	0.19	0.662	0.44	0.96	0.327	-0.01	0.81	0.369	
224	SA4	1693	512	0.26	6.29	0.012	-0.56	1.50	0.221	0.01	3.42	0.065	
225	SA4	1693	512	0.50	22.81	0.000	-0.37	0.66	0.416	0.01	3.86	0.049	Uniform>
226	SA4	1689	474	0.24	5.02	0.025	0.79	3.74	0.053	-0.01	1.93	0.165	
227	SA4	1689	474	0.26	6.03	0.014	0.86	4.57	0.032	-0.01	2.39	0.122	
228	SA4	1689	474	0.38	12.39	0.000	1.23	7.95	0.005	-0.01	4.11	0.043	Uniform>
229	SA4	1689	474	0.27	5.92	0.015	0.35	0.62	0.429	0.00	0.04	0.849	
230	SA4	1689	474	-0.06	0.30	0.584	0.41	0.98	0.321	-0.01	1.35	0.245	
231	SA4	1689	474	0.40	13.41	0.000	0.81	3.90	0.048	-0.01	1.07	0.301	Uniform>
232	SA4	1689	474	0.28	6.75	0.009	0.82	3.90	0.048	-0.01	1.80	0.180	Uniform>
233	SA4	1689	474	0.43	17.00	0.000	0.99	5.94	0.015	-0.01	2.06	0.151	Uniform>
234	SA4	1633	445	0.16	1.81	0.179	0.34	0.49	0.482	0.00	0.15	0.698	
235	SA4	1633	445	-0.03	0.06	0.806	-0.17	0.11	0.736	0.00	0.08	0.775	
236	SA4	1633	445	-0.10	0.77	0.381	-0.55	1.16	0.281	0.01	0.80	0.373	
237	SA4	1633	445	-0.25	4.55	0.033	-0.26	0.26	0.611	0.00	0.00	0.981	
238	SA4	1633	445	0.02	0.04	0.839	0.37	0.64	0.423	0.00	0.60	0.440	
239	SA4	1633	445	0.37	9.60	0.002	0.52	1.20	0.274	0.00	0.10	0.750	Uniform>
240	SA4	1633	445	0.56	19.62	0.000	0.85	2.92	0.088	0.00	0.37	0.543	Uniform>
241	SA4	1633	445	0.17	1.70	0.192	0.22	0.21	0.649	0.00	0.01	0.907	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.191: Logistic Regression DIF Results on Stage III Speaking Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
208	SA4	479	6668	-0.19	4.17	0.041	1.10	2.70	0.101	-0.02	3.77	0.052	NonUniform
209	SA4	479	6668	-0.44	22.50	0.000	1.63	6.12	0.013	-0.03	10.11	0.001	
210	SA4	107	1653	-0.35	2.99	0.084	2.05	1.97	0.161	-0.03	2.74	0.098	
211	SA4	107	1653	-0.22	1.13	0.288	1.52	1.01	0.316	-0.02	1.34	0.248	
212	SA4	107	1653	0.07	0.11	0.735	0.09	0.00	0.953	0.00	0.00	0.988	Uniform<
213	SA4	107	1653	-0.25	1.72	0.190	-0.69	0.23	0.630	0.01	0.10	0.757	
214	SA4	107	1653	-0.57	8.97	0.003	-1.05	0.53	0.468	0.01	0.11	0.739	
215	SA4	107	1653	-0.62	10.30	0.001	0.75	0.28	0.597	-0.02	0.95	0.331	
216	SA4	107	1653	0.01	0.00	0.972	4.25	9.33	0.002	-0.05	9.32	0.002	NonUniform
217	SA4	107	1653	-0.36	3.37	0.066	1.69	1.33	0.249	-0.03	2.00	0.157	Uniform<
218	SA4	122	1693	-0.59	9.93	0.002	2.16	2.27	0.132	-0.03	3.72	0.054	
219	SA4	122	1693	-0.51	7.14	0.008	1.21	0.66	0.417	-0.02	1.36	0.244	
220	SA4	122	1693	-0.15	0.62	0.430	0.68	0.20	0.651	-0.01	0.31	0.581	
221	SA4	122	1693	-0.16	0.72	0.396	1.14	0.58	0.445	-0.02	0.76	0.382	Uniform<
222	SA4	122	1693	0.01	0.00	0.954	1.86	1.71	0.191	-0.02	1.73	0.188	
223	SA4	122	1693	0.14	0.56	0.454	0.66	0.20	0.651	-0.01	0.13	0.721	
224	SA4	122	1693	-0.37	3.81	0.051	-0.62	0.18	0.672	0.00	0.03	0.865	
225	SA4	122	1693	-0.29	2.34	0.126	0.11	0.01	0.941	-0.01	0.08	0.782	Uniform<
226	SA4	123	1689	-0.41	4.93	0.026	1.10	0.76	0.383	-0.02	1.48	0.224	
227	SA4	123	1689	-0.15	0.60	0.439	1.82	1.96	0.161	-0.02	2.33	0.127	
228	SA4	123	1689	-0.16	0.71	0.399	0.13	0.01	0.919	0.00	0.05	0.823	
229	SA4	123	1689	-0.32	2.84	0.092	1.58	1.46	0.227	-0.02	2.14	0.143	Uniform<
230	SA4	123	1689	-0.47	6.66	0.010	1.41	1.36	0.244	-0.02	2.49	0.115	
231	SA4	123	1689	-0.40	4.14	0.042	1.25	0.93	0.336	-0.02	1.63	0.201	
232	SA4	123	1689	-0.31	2.57	0.109	2.32	3.17	0.075	-0.03	4.19	0.041	
233	SA4	123	1689	-0.19	1.06	0.304	-0.59	0.21	0.643	0.01	0.10	0.754	Uniform<
234	SA4	127	1633	-0.54	8.24	0.004	-0.64	0.22	0.637	0.00	0.01	0.939	
235	SA4	127	1633	0.01	0.00	0.972	1.80	1.75	0.186	-0.02	1.73	0.188	
236	SA4	127	1633	-0.12	0.40	0.525	2.98	4.93	0.026	-0.04	5.41	0.020	
237	SA4	127	1633	-0.19	1.09	0.297	0.90	0.42	0.516	-0.01	0.63	0.428	Uniform<
238	SA4	127	1633	-0.43	5.69	0.017	2.20	2.86	0.091	-0.04	4.16	0.041	
239	SA4	127	1633	-0.26	1.60	0.206	1.07	0.56	0.455	-0.02	0.88	0.349	
240	SA4	127	1633	-0.17	0.67	0.413	2.28	2.25	0.134	-0.03	2.60	0.107	
241	SA4	127	1633	-0.14	0.38	0.535	0.42	0.08	0.781	-0.01	0.14	0.710	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.192: Logistic Regression DIF Results on Stage III Speaking Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
208	SA4	7594	1031	-0.05	0.57	0.449	-0.11	0.16	0.692	0.00	0.05	0.825	
209	SA4	7594	1031	-0.02	0.13	0.720	0.10	0.15	0.700	0.00	0.23	0.628	
210	SA4	1908	294	0.29	5.50	0.019	1.44	8.29	0.004	-0.02	5.46	0.020	
211	SA4	1908	294	0.28	5.01	0.025	1.41	8.24	0.004	-0.02	5.53	0.019	
212	SA4	1908	294	0.04	0.10	0.752	0.14	0.08	0.777	0.00	0.05	0.832	
213	SA4	1908	294	0.00	0.00	0.988	0.14	0.08	0.777	0.00	0.08	0.773	
214	SA4	1908	294	-0.32	6.95	0.008	-0.30	0.38	0.535	0.00	0.00	0.969	Uniform<
215	SA4	1908	294	0.45	14.18	0.000	0.34	0.51	0.477	0.00	0.06	0.814	Uniform>
216	SA4	1908	294	0.06	0.26	0.613	-0.08	0.03	0.864	0.00	0.09	0.760	
217	SA4	1908	294	0.13	1.23	0.267	0.90	3.48	0.062	-0.01	2.67	0.102	
218	SA4	1936	258	0.05	0.17	0.680	0.50	0.76	0.383	-0.01	0.64	0.422	
219	SA4	1936	258	0.41	9.97	0.002	0.13	0.05	0.823	0.00	0.26	0.607	Uniform>
220	SA4	1936	258	0.01	0.01	0.918	-0.65	1.14	0.286	0.01	1.26	0.261	
221	SA4	1936	258	-0.09	0.52	0.469	-0.70	1.33	0.249	0.01	1.06	0.302	
222	SA4	1936	258	-0.19	2.31	0.129	-0.17	0.10	0.756	0.00	0.00	0.976	
223	SA4	1936	258	0.10	0.61	0.434	-1.19	4.60	0.032	0.02	5.71	0.017	
224	SA4	1936	258	0.16	1.42	0.234	-1.55	7.21	0.007	0.02	9.15	0.002	NonUniform
225	SA4	1936	258	0.14	1.14	0.286	-2.34	17.17	0.000	0.04	20.64	0.000	NonUniform
226	SA4	1946	212	0.32	5.15	0.023	-0.54	0.95	0.329	0.01	2.53	0.112	
227	SA4	1946	212	-0.05	0.14	0.710	-0.27	0.25	0.620	0.00	0.17	0.676	
228	SA4	1946	212	0.06	0.19	0.666	-0.53	0.82	0.365	0.01	1.11	0.293	
229	SA4	1946	212	0.11	0.57	0.451	-0.21	0.12	0.731	0.00	0.29	0.587	
230	SA4	1946	212	0.04	0.09	0.769	0.56	0.99	0.319	-0.01	0.93	0.336	
231	SA4	1946	212	-0.26	3.28	0.070	-1.03	3.40	0.065	0.01	2.03	0.154	
232	SA4	1946	212	-0.05	0.13	0.723	-0.41	0.56	0.453	0.01	0.47	0.494	
233	SA4	1946	212	0.29	4.28	0.038	-0.09	0.03	0.867	0.01	0.52	0.473	
234	SA4	1804	267	-0.09	0.46	0.499	-0.74	1.68	0.195	0.01	1.37	0.241	
235	SA4	1804	267	-0.21	2.57	0.109	-0.60	1.02	0.313	0.01	0.45	0.503	
236	SA4	1804	267	-0.08	0.38	0.538	-0.87	2.08	0.149	0.01	1.79	0.181	
237	SA4	1804	267	-0.02	0.02	0.877	-1.01	2.83	0.093	0.01	2.88	0.089	
238	SA4	1804	267	-0.07	0.28	0.598	-0.37	0.49	0.483	0.00	0.36	0.551	
239	SA4	1804	267	-0.01	0.01	0.943	-0.50	0.82	0.367	0.01	0.85	0.356	
240	SA4	1804	267	0.12	0.76	0.384	-0.25	0.18	0.672	0.01	0.44	0.507	
241	SA4	1804	267	-0.10	0.47	0.494	-1.09	3.53	0.060	0.01	3.11	0.078	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.193: Logistic Regression DIF Results on Stage IV Reading Items for the Male/Female Comparison**

Focal Group: Male; Reference Group: Female													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	1774	2429	0.22	5.82	0.016	0.11	0.09	0.768	0.00	0.11	0.737	Uniform<
2	MC	1774	2429	-0.19	7.84	0.005	0.26	0.71	0.401	-0.01	2.18	0.140	
3	MC	1774	2429	0.03	0.17	0.680	-0.49	1.65	0.199	0.01	1.98	0.160	
4	MC	1774	2429	0.14	5.10	0.024	0.47	2.59	0.107	-0.01	1.30	0.254	Uniform>
5	MC	1774	2429	0.22	11.39	0.001	-0.27	0.69	0.406	0.01	2.39	0.122	
6	MC	1774	2429	-0.27	16.53	0.000	0.31	0.90	0.343	-0.01	3.30	0.069	
7	MC	1774	2429	0.01	0.03	0.852	0.15	0.19	0.665	0.00	0.16	0.687	Uniform<
8	MC	399	596	0.08	0.22	0.639	0.37	0.29	0.589	-0.01	0.19	0.661	
9	MC	399	596	0.08	0.32	0.570	0.00	0.00	0.995	0.00	0.01	0.910	
10	MC	399	596	-0.07	0.24	0.626	0.15	0.05	0.828	0.00	0.11	0.736	Uniform>
11	MC	399	596	0.09	0.46	0.497	-0.72	1.01	0.314	0.01	1.36	0.244	
12	MC	399	596	-0.10	0.52	0.472	0.96	1.95	0.162	-0.02	2.50	0.114	
13	MC	399	596	0.18	1.70	0.192	-0.29	0.20	0.656	0.01	0.54	0.462	Uniform>
14	MC	399	596	0.24	3.32	0.069	0.34	0.28	0.596	0.00	0.02	0.875	
15	MC	399	596	0.24	2.92	0.088	-0.56	0.67	0.412	0.01	1.46	0.227	
16	MC	399	596	0.24	3.11	0.078	-0.08	0.01	0.905	0.01	0.25	0.615	Uniform>
17	MC	399	596	0.10	0.58	0.446	0.11	0.03	0.861	0.00	0.00	0.995	
18	MC	399	596	0.22	2.21	0.137	-1.27	2.87	0.090	0.03	4.12	0.042	
19	MC	399	596	0.14	0.92	0.338	-0.08	0.01	0.913	0.00	0.10	0.749	Uniform>
20	MC	399	596	0.00	0.00	1.000	0.99	1.93	0.165	-0.02	2.02	0.156	
21	MC	399	596	-0.05	0.11	0.739	-0.25	0.12	0.727	0.00	0.08	0.774	
22	MC	399	596	0.00	0.00	0.976	0.13	0.04	0.846	0.00	0.04	0.847	Uniform>
23	MC	399	596	0.28	4.07	0.044	1.19	2.89	0.089	-0.02	1.77	0.184	
24	MC	399	596	-0.05	0.15	0.702	-0.04	0.00	0.950	0.00	0.00	0.986	
25	MC	399	596	-0.19	1.64	0.201	0.48	0.49	0.483	-0.01	1.01	0.314	Uniform>
26	MC	399	596	0.38	7.24	0.007	1.65	6.06	0.014	-0.02	3.76	0.052	
27	MC	399	596	0.02	0.01	0.904	-0.18	0.07	0.792	0.00	0.09	0.766	
28	MC	399	596	-0.13	0.79	0.373	-0.92	1.77	0.184	0.01	1.37	0.242	Uniform>
29	MC	444	604	0.57	10.36	0.001	0.63	0.68	0.409	0.00	0.01	0.931	
30	MC	444	604	-0.05	0.08	0.778	-0.35	0.17	0.676	0.01	0.14	0.712	
31	MC	444	604	0.58	7.94	0.005	-0.85	0.85	0.357	0.03	2.51	0.113	Uniform>
32	MC	444	604	0.33	5.95	0.015	-0.02	0.00	0.978	0.01	0.26	0.609	
33	MC	444	604	0.04	0.08	0.774	-0.07	0.01	0.926	0.00	0.02	0.882	
34	MC	444	604	0.05	0.11	0.741	0.03	0.00	0.963	0.00	0.00	0.984	Uniform>
35	MC	444	604	-0.06	0.23	0.633	-1.49	4.07	0.044	0.02	3.87	0.049	
36	MC	444	604	0.00	0.00	0.995	-0.64	0.80	0.371	0.01	0.83	0.363	Uniform>
37	MC	444	604	0.08	0.40	0.525	-0.82	1.19	0.275	0.02	1.50	0.221	
38	MC	444	604	0.32	5.86	0.015	-0.83	1.31	0.252	0.02	2.61	0.106	
39	MC	444	604	0.18	1.72	0.189	1.37	3.98	0.046	-0.02	3.12	0.077	Uniform>
40	MC	444	604	0.10	0.47	0.493	0.67	0.94	0.333	-0.01	0.72	0.397	
41	MC	444	604	-0.20	1.25	0.263	-0.19	0.04	0.846	0.00	0.00	0.989	
42	MC	444	604	-0.06	0.16	0.687	0.25	0.13	0.719	-0.01	0.20	0.654	Uniform>
43	MC	444	604	0.09	0.41	0.520	-1.17	2.84	0.092	0.02	3.41	0.065	
44	MC	444	604	0.32	5.72	0.017	-0.49	0.38	0.538	0.01	1.08	0.298	
45	MC	444	604	0.44	10.26	0.001	-0.27	0.13	0.723	0.01	0.90	0.344	Uniform>
46	MC	444	604	0.24	3.02	0.082	-0.23	0.10	0.751	0.01	0.42	0.516	
47	MC	444	604	0.03	0.07	0.799	1.11	1.98	0.160	-0.02	1.91	0.167	
48	MC	444	604	0.39	8.98	0.003	0.41	0.37	0.543	0.00	0.00	0.975	Uniform>
49	MC	444	604	0.42	9.30	0.002	0.36	0.21	0.645	0.00	0.01	0.934	
50	MC	475	634	0.04	0.08	0.772	-0.02	0.00	0.978	0.00	0.01	0.930	
51	MC	475	634	0.23	2.33	0.127	0.28	0.16	0.690	0.00	0.01	0.936	Uniform>
52	MC	475	634	0.60	9.20	0.002	-0.25	0.13	0.720	0.02	1.56	0.212	
53	MC	475	634	0.31	5.26	0.022	0.20	0.10	0.752	0.00	0.03	0.855	
54	MC	475	634	-0.28	4.72	0.030	-0.06	0.01	0.930	0.00	0.10	0.749	Uniform>
55	MC	475	634	0.09	0.47	0.493	0.04	0.00	0.955	0.00	0.01	0.943	
56	MC	475	634	0.26	3.28	0.070	0.30	0.23	0.630	0.00	0.00	0.947	
57	MC	475	634	0.26	3.94	0.047	0.19	0.10	0.757	0.00	0.01	0.916	Uniform>
58	MC	475	634	0.35	6.87	0.009	0.03	0.00	0.970	0.01	0.24	0.621	
59	MC	475	634	0.06	0.25	0.615	0.21	0.12	0.732	0.00	0.06	0.806	
60	MC	475	634	0.27	4.67	0.031	0.33	0.27	0.605	0.00	0.01	0.930	Uniform>
61	MC	475	634	0.40	9.72	0.002	-0.62	0.95	0.329	0.02	2.69	0.101	
62	MC	475	634	0.07	0.24	0.623	0.39	0.32	0.571	-0.01	0.23	0.631	
63	MC	475	634	-0.22	1.81	0.178	-1.28	3.37	0.066	0.02	2.49	0.114	Uniform>
64	MC	475	634	-0.10	0.55	0.457	-0.02	0.00	0.974	0.00	0.01	0.903	
65	MC	475	634	0.34	5.82	0.016	0.50	0.49	0.483	0.00	0.05	0.825	
66	MC	475	634	-0.02	0.04	0.851	-0.29	0.18	0.668	0.00	0.16	0.689	Uniform>
67	MC	475	634	-0.01	0.00	0.948	-1.32	4.00	0.045	0.02	4.20	0.040	
68	MC	475	634	-0.01	0.01	0.913	-0.17	0.05	0.823	0.00	0.04	0.836	
69	MC	475	634	-0.04	0.10	0.750	0.53	0.64	0.423	-0.01	0.78	0.378	Uniform>
70	MC	475	634	-0.19	1.73	0.189	0.57	0.78	0.378	-0.01	1.44	0.230	

**Table F.193: Logistic Regression DIF Results on Stage IV Reading Items for the Male/Female Comparison**

Focal Group: Male; Reference Group: Female													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	456	595	-0.03	0.07	0.794	0.69	1.31	0.252	-0.01	1.51	0.219	
72	MC	456	595	0.11	0.68	0.408	-0.12	0.04	0.846	0.00	0.15	0.701	
73	MC	456	595	0.26	2.19	0.139	-0.01	0.00	0.988	0.01	0.15	0.696	
74	MC	456	595	0.81	17.24	0.000	2.24	10.19	0.001	-0.03	4.59	0.032	Uniform>
75	MC	456	595	0.20	2.25	0.134	-0.31	0.25	0.614	0.01	0.72	0.396	
76	MC	456	595	0.59	19.42	0.000	0.54	0.99	0.319	0.00	0.01	0.929	Uniform>
77	MC	456	595	0.34	6.55	0.010	1.50	6.55	0.010	-0.02	4.17	0.041	
78	MC	456	595	-0.02	0.01	0.903	0.28	0.29	0.592	-0.01	0.34	0.561	
79	MC	456	595	-0.04	0.08	0.783	-0.63	0.93	0.334	0.01	0.86	0.352	
80	MC	456	595	0.15	1.20	0.273	0.43	0.46	0.496	-0.01	0.21	0.645	
81	MC	456	595	-0.16	1.27	0.260	-0.92	2.02	0.155	0.01	1.46	0.226	
82	MC	456	595	0.09	0.45	0.501	-0.30	0.27	0.605	0.01	0.47	0.492	
83	MC	456	595	-0.14	1.16	0.282	0.17	0.10	0.758	-0.01	0.33	0.565	
84	MC	456	595	-0.20	1.77	0.183	-1.95	6.64	0.010	0.03	5.63	0.018	
85	MC	456	595	0.13	0.81	0.369	0.38	0.39	0.530	0.00	0.18	0.671	
86	MC	456	595	0.21	2.32	0.128	-0.14	0.05	0.831	0.01	0.30	0.582	
87	MC	456	595	-0.10	0.52	0.469	-0.72	1.32	0.250	0.01	1.03	0.310	
88	MC	456	595	0.03	0.04	0.841	0.23	0.11	0.739	0.00	0.09	0.766	
89	MC	456	595	-0.07	0.28	0.596	0.19	0.09	0.759	0.00	0.19	0.664	
90	MC	456	595	0.15	1.14	0.286	1.34	4.36	0.037	-0.02	3.62	0.057	
91	MC	456	595	-0.21	2.09	0.148	1.12	2.77	0.096	-0.02	4.11	0.043	
92	SA1	874	1230	-0.17	2.79	0.095	-0.71	1.34	0.247	0.01	0.79	0.373	
93	SA1	399	596	-0.06	0.13	0.721	-0.65	0.58	0.447	0.01	0.50	0.479	
94	SA1	900	1199	-0.03	0.06	0.807	-0.79	1.59	0.207	0.01	1.54	0.215	
95	SA1	444	604	-0.13	0.63	0.426	1.72	3.20	0.074	-0.03	3.80	0.051	
96	SA1	475	634	-0.35	3.31	0.069	1.73	2.73	0.098	-0.03	4.02	0.045	
97	SA1	456	595	0.07	0.15	0.697	0.47	0.22	0.637	-0.01	0.17	0.683	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.194: Logistic Regression DIF Results on Stage IV Reading Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	3137	1067	0.19	3.55	0.060	0.13	0.13	0.718	0.00	0.02	0.875	Uniform<
2	MC	3137	1067	-0.07	0.98	0.322	0.01	0.00	0.983	0.00	0.07	0.793	
3	MC	3137	1067	-0.27	9.25	0.002	-1.06	7.98	0.005	0.01	4.66	0.031	
4	MC	3137	1067	0.01	0.04	0.846	-0.32	1.14	0.286	0.01	1.32	0.251	
5	MC	3137	1067	-0.11	2.06	0.151	-0.58	3.12	0.077	0.01	2.19	0.139	
6	MC	3137	1067	-0.03	0.15	0.696	-0.34	1.06	0.304	0.01	0.93	0.335	Uniform>
7	MC	3137	1067	-0.02	0.06	0.814	-0.51	2.07	0.150	0.01	2.02	0.156	
8	MC	780	216	-0.08	0.16	0.687	-0.13	0.03	0.854	0.00	0.01	0.942	
9	MC	780	216	-0.12	0.45	0.501	-0.10	0.02	0.886	0.00	0.00	0.987	
10	MC	780	216	0.47	7.04	0.008	-0.53	0.60	0.440	0.02	2.25	0.134	
11	MC	780	216	-0.09	0.26	0.608	-1.13	2.48	0.116	0.02	2.21	0.137	Uniform<
12	MC	780	216	-0.46	7.78	0.005	0.24	0.11	0.743	-0.01	0.98	0.322	
13	MC	780	216	-0.06	0.16	0.692	-0.20	0.09	0.770	0.00	0.04	0.840	
14	MC	780	216	-0.18	1.25	0.264	-0.65	0.93	0.336	0.01	0.51	0.473	
15	MC	780	216	-0.16	0.96	0.328	-0.68	0.96	0.327	0.01	0.58	0.445	
16	MC	780	216	-0.02	0.01	0.913	-0.39	0.34	0.559	0.01	0.33	0.565	Uniform>
17	MC	780	216	-0.09	0.30	0.583	-0.88	1.98	0.159	0.01	1.71	0.191	
18	MC	780	216	-0.41	5.90	0.015	-0.60	0.64	0.425	0.00	0.06	0.801	
19	MC	780	216	-0.17	1.00	0.318	0.20	0.08	0.782	-0.01	0.28	0.597	
20	MC	780	216	0.37	3.49	0.062	0.38	0.22	0.642	0.00	0.00	0.995	
21	MC	780	216	-0.28	2.75	0.097	-0.17	0.05	0.816	0.00	0.03	0.872	Uniform>
22	MC	780	216	0.12	0.51	0.474	-0.35	0.23	0.632	0.01	0.44	0.509	
23	MC	780	216	0.30	3.26	0.071	0.40	0.26	0.613	0.00	0.02	0.898	
24	MC	780	216	0.06	0.13	0.714	0.14	0.03	0.855	0.00	0.01	0.919	
25	MC	780	216	0.18	0.92	0.338	-0.74	1.07	0.301	0.02	1.73	0.189	
26	MC	780	216	-0.34	4.34	0.037	0.73	0.98	0.322	-0.02	2.25	0.134	Uniform>
27	MC	780	216	0.14	0.56	0.454	0.98	1.64	0.200	-0.02	1.31	0.252	
28	MC	780	216	-0.06	0.13	0.715	-0.19	0.07	0.786	0.00	0.03	0.852	
29	MC	774	274	-0.13	0.48	0.490	-0.17	0.05	0.831	0.00	0.00	0.961	
30	MC	774	274	-0.08	0.19	0.661	-0.39	0.19	0.659	0.01	0.13	0.722	
31	MC	774	274	0.07	0.10	0.755	0.81	0.68	0.409	-0.02	0.60	0.439	Uniform>
32	MC	774	274	-0.36	5.63	0.018	-0.88	1.50	0.221	0.01	0.55	0.458	
33	MC	774	274	-0.36	5.81	0.016	-0.73	0.96	0.327	0.01	0.26	0.611	
34	MC	774	274	-0.23	2.06	0.151	0.40	0.28	0.598	-0.01	0.71	0.398	
35	MC	774	274	-0.18	1.47	0.225	-0.36	0.23	0.630	0.00	0.06	0.806	
36	MC	774	274	0.07	0.23	0.631	-0.36	0.24	0.626	0.01	0.36	0.550	Uniform>
37	MC	774	274	-0.04	0.09	0.770	-0.10	0.02	0.901	0.00	0.00	0.945	
38	MC	774	274	0.03	0.03	0.859	1.71	4.39	0.036	-0.03	4.44	0.035	
39	MC	774	274	-0.25	2.67	0.102	-0.69	0.93	0.334	0.01	0.40	0.529	
40	MC	774	274	-0.16	1.04	0.308	-1.03	2.10	0.147	0.02	1.57	0.210	
41	MC	774	274	-0.32	2.81	0.094	0.89	0.79	0.373	-0.02	1.54	0.215	Uniform>
42	MC	774	274	-0.23	2.32	0.128	-0.41	0.31	0.578	0.00	0.06	0.810	
43	MC	774	274	-0.15	1.04	0.307	-0.82	1.35	0.245	0.01	0.93	0.334	
44	MC	774	274	-0.09	0.32	0.570	-0.02	0.00	0.982	0.00	0.01	0.934	
45	MC	774	274	-0.12	0.56	0.455	-0.74	0.86	0.353	0.01	0.64	0.425	
46	MC	774	274	-0.09	0.36	0.548	0.13	0.03	0.873	0.00	0.08	0.777	Uniform>
47	MC	774	274	-0.10	0.41	0.523	0.11	0.02	0.896	0.00	0.06	0.803	
48	MC	774	274	0.19	1.65	0.199	-0.22	0.09	0.763	0.01	0.33	0.565	
49	MC	774	274	-0.22	2.05	0.152	-1.14	2.03	0.155	0.02	1.36	0.243	
50	MC	816	293	0.13	0.84	0.359	-0.78	1.54	0.214	0.02	2.22	0.136	
51	MC	816	293	-0.17	1.07	0.301	-0.30	0.17	0.680	0.00	0.03	0.858	Uniform<
52	MC	816	293	-0.30	1.97	0.161	-0.17	0.05	0.815	0.00	0.04	0.845	
53	MC	816	293	-0.48	9.29	0.002	-1.26	3.96	0.047	0.01	1.63	0.202	
54	MC	816	293	-0.41	7.50	0.006	-1.07	2.35	0.125	0.01	0.94	0.331	
55	MC	816	293	0.20	1.75	0.186	0.02	0.00	0.974	0.00	0.06	0.810	
56	MC	816	293	0.18	1.14	0.286	-0.53	0.66	0.415	0.01	1.27	0.260	Uniform<
57	MC	816	293	-0.12	0.65	0.422	-0.65	1.06	0.304	0.01	0.75	0.388	
58	MC	816	293	-0.18	1.39	0.239	-0.94	1.95	0.163	0.01	1.34	0.246	
59	MC	816	293	-0.06	0.15	0.697	-0.84	1.83	0.176	0.01	1.68	0.194	
60	MC	816	293	0.03	0.05	0.826	0.35	0.28	0.598	-0.01	0.24	0.623	
61	MC	816	293	-0.28	3.90	0.048	-0.02	0.00	0.971	0.00	0.17	0.676	Uniform<
62	MC	816	293	-0.66	19.89	0.000	-1.19	2.98	0.084	0.01	0.61	0.435	
63	MC	816	293	-0.23	1.80	0.180	-0.70	1.08	0.298	0.01	0.52	0.472	
64	MC	816	293	-0.16	1.17	0.280	-0.83	1.68	0.194	0.01	1.16	0.282	
65	MC	816	293	-0.32	3.98	0.046	-0.62	0.75	0.388	0.01	0.19	0.666	
66	MC	816	293	0.00	0.00	0.982	0.74	1.10	0.293	-0.01	1.15	0.283	Uniform<
67	MC	816	293	-0.33	4.04	0.044	-0.03	0.00	0.962	-0.01	0.23	0.630	
68	MC	816	293	-0.07	0.19	0.661	-0.71	0.89	0.346	0.01	0.75	0.385	
69	MC	816	293	-0.33	5.17	0.023	-1.00	2.28	0.131	0.01	1.06	0.303	
70	MC	816	293	-0.15	0.90	0.343	-0.64	0.97	0.324	0.01	0.60	0.437	

**Table F.194: Logistic Regression DIF Results on Stage IV Reading Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	767	284	0.15	0.99	0.319	-0.51	0.69	0.406	0.01	1.22	0.270	NonUniform
72	MC	767	284	-0.17	1.17	0.278	-1.09	3.05	0.081	0.02	2.33	0.127	
73	MC	767	284	-0.04	0.05	0.821	-1.03	2.03	0.154	0.02	2.02	0.155	
74	MC	767	284	-0.29	2.01	0.156	-0.37	0.29	0.590	0.00	0.02	0.902	
75	MC	767	284	-0.33	4.80	0.028	-1.90	9.92	0.002	0.03	7.24	0.007	
76	MC	767	284	-0.23	2.34	0.126	-0.77	1.95	0.163	0.01	1.04	0.308	
77	MC	767	284	-0.17	1.29	0.255	-0.29	0.24	0.625	0.00	0.05	0.832	
78	MC	767	284	-0.15	1.17	0.280	-0.44	0.66	0.416	0.01	0.30	0.585	
79	MC	767	284	-0.07	0.18	0.673	-0.61	0.85	0.356	0.01	0.72	0.397	
80	MC	767	284	-0.27	3.01	0.083	-0.88	1.83	0.176	0.01	0.94	0.332	
81	MC	767	284	-0.02	0.02	0.889	-0.98	2.38	0.123	0.02	2.40	0.121	
82	MC	767	284	-0.17	1.38	0.240	-0.50	0.71	0.398	0.01	0.32	0.570	
83	MC	767	284	0.13	0.86	0.354	0.87	2.25	0.133	-0.01	1.73	0.189	
84	MC	767	284	-0.13	0.59	0.442	0.44	0.35	0.552	-0.01	0.63	0.428	
85	MC	767	284	-0.11	0.51	0.475	-1.14	3.56	0.059	0.02	3.08	0.079	
86	MC	767	284	-0.14	0.81	0.368	-0.16	0.06	0.812	0.00	0.00	0.978	
87	MC	767	284	-0.10	0.42	0.517	0.46	0.51	0.475	-0.01	0.82	0.366	
88	MC	767	284	0.20	1.44	0.230	-0.23	0.10	0.748	0.01	0.38	0.537	
89	MC	767	284	-0.26	2.84	0.092	-0.13	0.04	0.841	0.00	0.05	0.832	
90	MC	767	284	0.24	2.07	0.150	0.16	0.05	0.818	0.00	0.01	0.904	
91	MC	767	284	-0.14	0.74	0.389	0.35	0.25	0.615	-0.01	0.53	0.467	
92	SA1	1596	509	0.10	0.72	0.396	0.81	1.39	0.238	-0.01	1.10	0.294	
93	SA1	780	216	0.11	0.32	0.575	0.16	0.03	0.869	0.00	0.00	0.957	
94	SA1	1541	558	-0.05	0.18	0.672	0.73	1.21	0.272	-0.01	1.45	0.229	
95	SA1	774	274	-0.12	0.45	0.501	1.18	1.21	0.272	-0.02	1.53	0.216	
96	SA1	816	293	0.26	1.32	0.251	1.77	2.04	0.153	-0.02	1.58	0.209	
97	SA1	767	284	-0.30	2.34	0.126	-0.25	0.06	0.809	0.00	0.00	0.959	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.195: Logistic Regression DIF Results on Stage IV Reading Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	380	3824	-0.20	1.77	0.183	-1.34	3.26	0.071	0.02	2.42	0.120	NonUniform
2	MC	380	3824	-0.13	1.21	0.271	-1.39	4.73	0.030	0.02	4.10	0.043	
3	MC	380	3824	0.10	0.59	0.442	1.95	8.78	0.003	-0.03	7.92	0.005	
4	MC	380	3824	-0.10	0.83	0.363	-0.24	0.18	0.674	0.00	0.06	0.804	
5	MC	380	3824	-0.01	0.01	0.930	-0.01	0.00	0.985	0.00	0.00	0.998	
6	MC	380	3824	0.15	1.73	0.188	0.37	0.41	0.524	0.00	0.16	0.693	
7	MC	380	3824	-0.14	1.21	0.272	-0.07	0.01	0.921	0.00	0.01	0.913	
8	MC	50	946	-0.71	4.78	0.029	-5.03	5.44	0.020	0.08	4.00	0.046	
9	MC	50	946	-0.71	5.30	0.021	-1.35	0.59	0.443	0.01	0.14	0.712	
10	MC	50	946	-0.19	0.32	0.574	-2.14	1.25	0.263	0.04	1.06	0.303	
11	MC	50	946	-0.32	0.94	0.331	-1.95	0.98	0.322	0.03	0.72	0.396	
12	MC	50	946	-0.53	2.11	0.146	-2.69	1.51	0.219	0.04	1.04	0.307	
13	MC	50	946	0.12	0.14	0.705	-3.72	3.35	0.067	0.07	3.60	0.058	
14	MC	50	946	-0.11	0.14	0.712	-0.93	0.31	0.575	0.01	0.25	0.615	
15	MC	50	946	-0.19	0.34	0.558	0.15	0.01	0.933	-0.01	0.04	0.840	
16	MC	50	946	-0.01	0.00	0.964	0.23	0.02	0.880	0.00	0.03	0.871	
17	MC	50	946	-0.07	0.05	0.829	-1.29	0.64	0.425	0.02	0.60	0.437	
18	MC	50	946	0.13	0.17	0.682	1.04	0.40	0.528	-0.02	0.31	0.576	
19	MC	50	946	0.09	0.08	0.780	1.19	0.53	0.466	-0.02	0.46	0.496	
20	MC	50	946	-0.14	0.15	0.697	-0.44	0.05	0.817	0.01	0.03	0.872	
21	MC	50	946	0.23	0.55	0.458	1.56	0.98	0.322	-0.02	0.73	0.394	
22	MC	50	946	-0.19	0.35	0.553	-3.44	2.64	0.104	0.06	2.49	0.114	
23	MC	50	946	-0.03	0.01	0.909	-3.25	2.41	0.120	0.06	2.45	0.117	
24	MC	50	946	-0.28	0.69	0.407	0.85	0.25	0.618	-0.02	0.45	0.504	
25	MC	50	946	0.16	0.23	0.631	1.34	0.68	0.410	-0.02	0.54	0.462	
26	MC	50	946	-0.18	0.29	0.588	-0.28	0.03	0.872	0.00	0.00	0.952	
27	MC	50	946	-0.62	2.45	0.117	0.84	0.19	0.666	-0.03	0.56	0.455	
28	MC	50	946	0.66	4.93	0.026	-0.81	0.26	0.611	0.03	0.89	0.344	
29	MC	77	971	0.37	1.21	0.271	-2.19	1.43	0.231	0.05	1.98	0.160	
30	MC	77	971	0.24	0.57	0.450	-3.37	2.29	0.130	0.07	2.64	0.104	
31	MC	77	971	0.27	0.52	0.472	2.07	1.55	0.214	-0.04	1.27	0.260	
32	MC	77	971	0.23	0.83	0.362	-2.74	2.57	0.109	0.05	3.17	0.075	
33	MC	77	971	0.05	0.04	0.847	-0.81	0.27	0.601	0.01	0.32	0.573	
34	MC	77	971	-0.48	2.43	0.119	-2.12	1.25	0.263	0.03	0.80	0.373	
35	MC	77	971	-0.11	0.21	0.644	0.14	0.01	0.923	0.00	0.03	0.858	
36	MC	77	971	-0.25	1.01	0.315	1.94	2.25	0.134	-0.04	2.95	0.086	
37	MC	77	971	-0.02	0.00	0.949	-0.81	0.26	0.609	0.01	0.26	0.611	
38	MC	77	971	-0.36	1.90	0.168	-5.59	6.12	0.013	0.09	5.61	0.018	
39	MC	77	971	0.18	0.48	0.488	-0.09	0.00	0.951	0.00	0.04	0.848	
40	MC	77	971	0.01	0.00	0.981	-2.72	2.53	0.112	0.05	2.70	0.100	
41	MC	77	971	-0.10	0.08	0.772	-0.68	0.10	0.752	0.01	0.07	0.784	
42	MC	77	971	-0.26	0.83	0.361	2.64	3.51	0.061	-0.05	4.19	0.041	
43	MC	77	971	-0.20	0.57	0.450	0.26	0.03	0.858	-0.01	0.10	0.747	
44	MC	77	971	0.25	1.01	0.315	1.02	0.49	0.486	-0.01	0.28	0.596	
45	MC	77	971	0.09	0.12	0.732	1.49	1.17	0.280	-0.03	1.07	0.301	
46	MC	77	971	-0.15	0.29	0.588	0.47	0.10	0.756	-0.01	0.17	0.681	
47	MC	77	971	-0.21	0.66	0.415	-2.33	1.46	0.227	0.04	1.24	0.265	
48	MC	77	971	-0.30	1.41	0.234	1.18	0.76	0.382	-0.03	1.23	0.268	
49	MC	77	971	-0.13	0.25	0.617	-0.29	0.03	0.853	0.00	0.01	0.915	
50	MC	161	948	0.39	4.88	0.027	0.08	0.01	0.930	0.01	0.11	0.745	
51	MC	161	948	0.49	4.79	0.029	1.18	1.22	0.270	-0.01	0.44	0.505	
52	MC	161	948	0.73	4.79	0.029	-1.07	0.55	0.457	0.04	1.56	0.212	
53	MC	161	948	0.23	1.48	0.224	-1.91	3.03	0.082	0.04	3.93	0.048	
54	MC	161	948	0.43	5.65	0.017	0.77	0.59	0.443	-0.01	0.12	0.730	
55	MC	161	948	0.06	0.10	0.758	1.40	2.04	0.153	-0.02	1.93	0.164	
56	MC	161	948	-0.28	1.68	0.195	-0.30	0.07	0.791	0.00	0.00	0.990	
57	MC	161	948	0.06	0.11	0.741	-1.26	1.40	0.237	0.02	1.60	0.206	
58	MC	161	948	-0.09	0.21	0.650	0.50	0.23	0.633	-0.01	0.32	0.571	
59	MC	161	948	0.27	2.28	0.131	-0.93	0.85	0.358	0.02	1.45	0.229	
60	MC	161	948	0.04	0.04	0.838	-0.24	0.06	0.810	0.00	0.08	0.779	
61	MC	161	948	0.03	0.02	0.883	0.71	0.55	0.458	-0.01	0.53	0.468	
62	MC	161	948	0.03	0.03	0.855	0.23	0.05	0.830	0.00	0.03	0.853	
63	MC	161	948	0.02	0.00	0.944	0.16	0.02	0.885	0.00	0.02	0.894	
64	MC	161	948	0.09	0.26	0.613	-0.79	0.57	0.449	0.01	0.74	0.389	
65	MC	161	948	0.18	0.88	0.349	-0.73	0.41	0.523	0.01	0.66	0.416	
66	MC	161	948	-0.08	0.18	0.675	-2.02	2.96	0.086	0.03	2.86	0.091	
67	MC	161	948	-0.33	2.02	0.155	-0.56	0.23	0.635	0.00	0.04	0.842	
68	MC	161	948	-0.25	1.62	0.203	-0.21	0.03	0.861	0.00	0.00	0.972	
69	MC	161	948	0.05	0.08	0.783	-1.66	2.13	0.144	0.03	2.36	0.125	
70	MC	161	948	0.11	0.32	0.572	0.70	0.47	0.492	-0.01	0.34	0.558	

**Table F.195: Logistic Regression DIF Results on Stage IV Reading Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	92	959	-0.16	0.47	0.495	0.63	0.32	0.570	-0.01	0.52	0.469	
72	MC	92	959	-0.36	2.40	0.122	-1.43	1.29	0.257	0.02	0.75	0.387	
73	MC	92	959	-0.21	0.54	0.464	-0.72	0.23	0.631	0.01	0.12	0.730	
74	MC	92	959	-0.38	1.70	0.192	-1.52	1.01	0.314	0.02	0.58	0.447	
75	MC	92	959	-0.25	1.10	0.295	-0.46	0.15	0.699	0.00	0.03	0.854	
76	MC	92	959	-0.12	0.28	0.595	-0.61	0.31	0.580	0.01	0.21	0.651	
77	MC	92	959	-0.08	0.13	0.722	0.51	0.21	0.646	-0.01	0.30	0.586	
78	MC	92	959	0.27	1.48	0.224	-1.26	1.27	0.260	0.03	1.93	0.165	
79	MC	92	959	0.14	0.34	0.558	-0.82	0.43	0.510	0.02	0.62	0.432	
80	MC	92	959	-0.10	0.18	0.675	-0.68	0.30	0.584	0.01	0.23	0.633	
81	MC	92	959	0.21	0.84	0.358	0.97	0.75	0.386	-0.01	0.47	0.492	
82	MC	92	959	0.13	0.34	0.557	-0.44	0.15	0.694	0.01	0.27	0.601	
83	MC	92	959	-0.09	0.16	0.689	-1.05	0.87	0.351	0.02	0.76	0.382	
84	MC	92	959	0.19	0.55	0.457	0.68	0.30	0.585	-0.01	0.16	0.688	
85	MC	92	959	-0.08	0.09	0.765	0.20	0.03	0.867	0.00	0.06	0.814	
86	MC	92	959	-0.48	3.49	0.062	0.38	0.09	0.762	-0.01	0.49	0.486	
87	MC	92	959	0.44	3.70	0.054	1.50	1.90	0.168	-0.02	0.97	0.324	
88	MC	92	959	0.02	0.00	0.950	1.35	1.27	0.260	-0.02	1.27	0.260	
89	MC	92	959	0.21	0.84	0.359	-1.71	1.85	0.174	0.03	2.46	0.117	
90	MC	92	959	-0.08	0.12	0.734	0.02	0.00	0.986	0.00	0.01	0.930	
91	MC	92	959	0.14	0.31	0.580	1.66	1.99	0.158	-0.03	1.71	0.191	
92	SA1	211	1894	-0.11	0.44	0.508	-0.19	0.03	0.859	0.00	0.01	0.941	
93	SA1	50	946	-0.32	0.77	0.382	-6.71	3.81	0.051	0.10	3.69	0.055	
94	SA1	169	1930	-0.21	0.98	0.322	-0.38	0.09	0.759	0.00	0.02	0.889	
95	SA1	77	971	0.00	0.00	1.000	-1.24	0.31	0.577	0.02	0.32	0.570	
96	SA1	161	948	0.34	2.10	0.148	0.48	0.11	0.740	0.00	0.01	0.922	
97	SA1	92	959	0.22	0.55	0.460	-0.74	0.18	0.675	0.02	0.31	0.580	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.196: Logistic Regression DIF Results on Stage IV Reading Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	1322	2880	-0.51	31.37	0.000	-2.00	22.92	0.000	0.03	13.26	0.000	NonUniform
2	MC	1322	2880	-0.18	6.55	0.010	-0.69	3.64	0.057	0.01	2.04	0.154	
3	MC	1322	2880	-0.05	0.29	0.589	-0.20	0.20	0.651	0.00	0.12	0.726	
4	MC	1322	2880	0.02	0.06	0.806	-0.36	1.14	0.285	0.01	1.31	0.252	
5	MC	1322	2880	-0.35	24.55	0.000	-0.60	2.66	0.103	0.00	0.49	0.484	Uniform<
6	MC	1322	2880	-0.18	6.55	0.010	0.24	0.42	0.515	-0.01	1.39	0.239	
7	MC	1322	2880	0.06	0.55	0.459	0.50	1.68	0.194	-0.01	1.37	0.242	
8	MC	325	671	-0.52	9.85	0.002	-2.18	7.95	0.005	0.03	4.81	0.028	Uniform<
9	MC	325	671	-0.67	20.99	0.000	-1.38	3.10	0.078	0.01	0.85	0.357	Uniform<
10	MC	325	671	-0.07	0.21	0.649	-0.13	0.03	0.858	0.00	0.01	0.932	
11	MC	325	671	-0.30	4.02	0.045	0.02	0.00	0.981	-0.01	0.17	0.679	
12	MC	325	671	-0.21	1.77	0.184	1.84	5.76	0.016	-0.04	7.32	0.007	NonUniform
13	MC	325	671	-0.28	4.06	0.044	0.39	0.30	0.582	-0.01	0.95	0.329	
14	MC	325	671	-0.26	3.34	0.067	-0.16	0.05	0.822	0.00	0.02	0.895	
15	MC	325	671	-0.41	6.92	0.009	0.01	0.00	0.986	-0.01	0.31	0.579	Uniform<
16	MC	325	671	-0.47	11.32	0.001	-1.17	2.54	0.111	0.01	0.94	0.333	Uniform<
17	MC	325	671	0.02	0.01	0.914	-0.45	0.42	0.515	0.01	0.47	0.491	
18	MC	325	671	-0.22	1.82	0.177	2.13	7.12	0.008	-0.04	8.84	0.003	NonUniform
19	MC	325	671	-0.03	0.04	0.842	0.75	0.95	0.330	-0.01	1.07	0.302	
20	MC	325	671	-0.06	0.14	0.712	-0.79	0.89	0.347	0.01	0.79	0.374	
21	MC	325	671	0.09	0.37	0.545	0.24	0.09	0.760	0.00	0.04	0.850	
22	MC	325	671	-0.41	7.14	0.008	-0.34	0.18	0.668	0.00	0.01	0.932	Uniform<
23	MC	325	671	-0.44	9.17	0.002	-0.87	1.15	0.283	0.01	0.29	0.592	Uniform<
24	MC	325	671	-0.07	0.19	0.661	0.07	0.01	0.926	0.00	0.03	0.856	
25	MC	325	671	-0.02	0.02	0.892	-1.10	1.88	0.170	0.02	1.90	0.168	
26	MC	325	671	-0.30	3.76	0.053	-0.39	0.24	0.621	0.00	0.01	0.905	
27	MC	325	671	-0.05	0.11	0.741	0.26	0.11	0.736	-0.01	0.17	0.680	
28	MC	325	671	0.43	8.08	0.004	-0.46	0.37	0.545	0.02	1.45	0.228	Uniform>
29	MC	317	730	-0.59	11.87	0.001	-2.08	5.89	0.015	0.03	3.15	0.076	Uniform<
30	MC	317	730	-0.56	11.14	0.001	-1.67	3.18	0.075	0.02	1.44	0.230	Uniform<
31	MC	317	730	-0.59	9.13	0.003	-0.11	0.01	0.909	-0.01	0.29	0.592	Uniform<
32	MC	317	730	-0.23	2.23	0.135	-0.31	0.15	0.703	0.00	0.01	0.923	
33	MC	317	730	-0.28	3.52	0.061	-1.29	2.38	0.123	0.02	1.52	0.218	
34	MC	317	730	-0.24	2.23	0.135	0.49	0.35	0.552	-0.01	0.82	0.366	
35	MC	317	730	-0.03	0.04	0.845	0.25	0.10	0.747	-0.01	0.13	0.716	
36	MC	317	730	-0.25	3.02	0.082	0.10	0.02	0.896	-0.01	0.21	0.644	
37	MC	317	730	-0.28	3.71	0.054	-0.65	0.62	0.432	0.01	0.20	0.652	
38	MC	317	730	0.00	0.00	0.997	1.17	2.26	0.132	-0.02	2.34	0.126	
39	MC	317	730	-0.05	0.12	0.727	-0.79	0.98	0.323	0.01	0.89	0.347	
40	MC	317	730	0.13	0.67	0.413	-1.03	1.68	0.195	0.02	2.22	0.137	
41	MC	317	730	-0.37	3.05	0.081	-0.98	0.73	0.394	0.01	0.30	0.587	
42	MC	317	730	0.19	1.52	0.217	1.87	5.91	0.015	-0.03	4.94	0.026	
43	MC	317	730	0.09	0.37	0.544	1.69	5.15	0.023	-0.03	4.78	0.029	
44	MC	317	730	0.11	0.49	0.485	2.14	6.67	0.010	-0.04	6.24	0.012	
45	MC	317	730	-0.27	3.28	0.070	-1.23	2.04	0.153	0.02	1.29	0.257	
46	MC	317	730	0.20	1.73	0.188	-0.27	0.11	0.742	0.01	0.34	0.561	
47	MC	317	730	0.12	0.62	0.432	0.14	0.02	0.877	0.00	0.00	0.983	
48	MC	317	730	0.21	2.17	0.140	-0.90	1.34	0.248	0.02	2.11	0.146	
49	MC	317	730	-0.33	4.99	0.025	-1.74	3.81	0.051	0.03	2.58	0.108	
50	MC	349	759	-0.27	3.90	0.048	-0.55	0.58	0.447	0.00	0.16	0.689	
51	MC	349	759	-0.33	4.87	0.027	-0.95	1.38	0.241	0.01	0.61	0.436	
52	MC	349	759	-0.32	2.87	0.090	-1.83	4.84	0.028	0.03	3.43	0.064	
53	MC	349	759	-0.47	11.44	0.001	-2.35	9.10	0.003	0.03	6.04	0.014	Uniform<
54	MC	349	759	-0.04	0.09	0.761	-0.02	0.00	0.975	0.00	0.00	0.982	
55	MC	349	759	-0.16	1.27	0.260	-0.66	0.66	0.417	0.01	0.40	0.529	
56	MC	349	759	0.06	0.13	0.722	0.72	0.98	0.322	-0.01	0.87	0.351	
57	MC	349	759	-0.06	0.15	0.698	0.14	0.04	0.845	0.00	0.08	0.782	
58	MC	349	759	-0.19	1.68	0.196	-0.99	1.47	0.225	0.01	1.00	0.318	
59	MC	349	759	-0.01	0.01	0.914	-0.72	0.99	0.320	0.01	0.98	0.322	
60	MC	349	759	0.03	0.05	0.829	-0.28	0.14	0.706	0.01	0.18	0.671	
61	MC	349	759	0.03	0.05	0.831	0.11	0.02	0.879	0.00	0.01	0.910	
62	MC	349	759	-0.21	2.03	0.155	-0.21	0.07	0.792	0.00	0.00	0.995	
63	MC	349	759	-0.18	1.10	0.293	0.65	0.69	0.406	-0.01	1.17	0.279	
64	MC	349	759	-0.26	3.25	0.072	-0.67	0.76	0.384	0.01	0.29	0.588	
65	MC	349	759	-0.29	3.28	0.070	-1.77	3.74	0.053	0.03	2.74	0.098	
66	MC	349	759	-0.31	4.58	0.032	-1.19	2.17	0.141	0.02	1.24	0.266	
67	MC	349	759	-0.16	0.95	0.329	0.24	0.10	0.754	-0.01	0.29	0.591	
68	MC	349	759	-0.18	1.48	0.224	-1.10	1.52	0.218	0.02	1.09	0.296	
69	MC	349	759	-0.29	4.16	0.041	-0.65	0.68	0.408	0.01	0.22	0.641	
70	MC	349	759	-0.17	1.22	0.269	0.07	0.01	0.925	0.00	0.11	0.743	



**Table F.196: Logistic Regression DIF Results on Stage IV Reading Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	331	720	-0.38	7.36	0.007	-0.27	0.16	0.691	0.00	0.03	0.869	Uniform<
72	MC	331	720	-0.41	8.12	0.004	-1.36	3.51	0.061	0.02	1.80	0.179	Uniform<
73	MC	331	720	-0.55	9.50	0.002	0.93	1.48	0.223	-0.03	3.96	0.047	Uniform<
74	MC	331	720	-0.91	24.35	0.000	-2.78	11.56	0.001	0.04	5.51	0.019	Uniform<
75	MC	331	720	-0.29	4.08	0.043	-0.73	1.09	0.297	0.01	0.42	0.517	
76	MC	331	720	-0.28	4.08	0.043	-1.12	3.20	0.073	0.02	1.90	0.168	
77	MC	331	720	-0.09	0.43	0.514	-1.26	3.30	0.069	0.02	2.98	0.084	
78	MC	331	720	-0.18	1.76	0.184	0.37	0.39	0.535	-0.01	0.89	0.345	
79	MC	331	720	-0.04	0.09	0.761	-0.21	0.09	0.769	0.00	0.06	0.812	
80	MC	331	720	-0.29	4.08	0.043	0.17	0.06	0.808	-0.01	0.44	0.506	
81	MC	331	720	-0.14	0.85	0.356	1.23	3.16	0.075	-0.02	4.06	0.044	
82	MC	331	720	0.20	2.04	0.153	-0.24	0.13	0.716	0.01	0.47	0.493	
83	MC	331	720	0.04	0.08	0.774	-0.06	0.01	0.920	0.00	0.03	0.867	
84	MC	331	720	-0.07	0.17	0.677	1.19	2.34	0.126	-0.02	2.71	0.100	
85	MC	331	720	-0.06	0.17	0.680	-0.92	1.72	0.190	0.02	1.58	0.208	
86	MC	331	720	-0.27	3.22	0.073	0.28	0.15	0.699	-0.01	0.60	0.438	
87	MC	331	720	-0.22	2.04	0.154	0.82	1.39	0.239	-0.02	2.32	0.128	
88	MC	331	720	-0.18	1.25	0.263	0.88	1.33	0.248	-0.02	1.99	0.158	
89	MC	331	720	0.11	0.58	0.445	0.43	0.39	0.534	-0.01	0.22	0.638	
90	MC	331	720	0.04	0.08	0.778	0.51	0.52	0.469	-0.01	0.46	0.497	
91	MC	331	720	0.13	0.64	0.423	1.42	3.78	0.052	-0.02	3.27	0.071	
92	SA1	674	1430	-0.40	12.07	0.001	-0.96	1.81	0.179	0.01	0.63	0.426	Uniform<
93	SA1	325	671	-0.62	11.91	0.001	-0.26	0.07	0.795	-0.01	0.13	0.717	Uniform<
94	SA1	648	1450	-0.39	9.23	0.002	-1.01	1.94	0.164	0.01	0.77	0.381	Uniform<
95	SA1	317	730	-0.89	15.86	0.000	-2.35	2.99	0.084	0.02	1.22	0.269	Uniform<
96	SA1	349	759	-0.50	4.93	0.026	-0.91	0.46	0.496	0.01	0.10	0.752	
97	SA1	331	720	-0.59	7.44	0.006	0.26	0.05	0.825	-0.01	0.53	0.465	Uniform<

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.197: Logistic Regression DIF Results on Stage IV Reading Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	3080	1124	0.16	2.65	0.103	-0.27	0.54	0.462	0.01	1.48	0.223	Uniform<
2	MC	3080	1124	-0.03	0.15	0.700	-0.17	0.27	0.600	0.00	0.20	0.655	
3	MC	3080	1124	-0.34	15.03	0.000	-1.05	7.84	0.005	0.01	3.82	0.051	
4	MC	3080	1124	-0.02	0.06	0.801	-0.18	0.37	0.544	0.00	0.32	0.574	
5	MC	3080	1124	-0.05	0.39	0.535	-0.54	2.67	0.102	0.01	2.35	0.125	
6	MC	3080	1124	-0.03	0.15	0.698	-0.61	3.33	0.068	0.01	3.17	0.075	Uniform<
7	MC	3080	1124	0.05	0.39	0.531	-0.69	3.77	0.052	0.01	4.54	0.033	
8	MC	769	227	0.31	2.88	0.090	0.77	1.10	0.295	-0.01	0.41	0.521	
9	MC	769	227	0.03	0.03	0.869	0.98	1.53	0.216	-0.02	1.51	0.219	
10	MC	769	227	0.31	3.19	0.074	-0.17	0.06	0.813	0.01	0.47	0.492	
11	MC	769	227	0.08	0.22	0.640	0.00	0.00	0.996	0.00	0.01	0.915	Uniform<
12	MC	769	227	-0.54	11.21	0.001	0.13	0.03	0.863	-0.01	0.86	0.354	
13	MC	769	227	0.02	0.01	0.923	0.52	0.51	0.474	-0.01	0.51	0.476	
14	MC	769	227	-0.26	2.71	0.100	-0.13	0.03	0.853	0.00	0.03	0.854	
15	MC	769	227	-0.39	5.73	0.017	-2.06	8.80	0.003	0.03	6.07	0.014	
16	MC	769	227	0.03	0.04	0.838	-0.07	0.01	0.924	0.00	0.02	0.884	Uniform<
17	MC	769	227	-0.08	0.25	0.619	-1.61	6.12	0.013	0.03	5.83	0.016	
18	MC	769	227	-0.25	2.26	0.133	-0.79	1.05	0.306	0.01	0.50	0.479	
19	MC	769	227	-0.25	2.24	0.135	0.87	1.27	0.260	-0.02	2.24	0.134	
20	MC	769	227	0.46	5.25	0.022	0.38	0.20	0.654	0.00	0.01	0.930	
21	MC	769	227	-0.32	3.78	0.052	-1.32	3.35	0.067	0.02	2.00	0.157	Uniform<
22	MC	769	227	0.20	1.37	0.242	-0.05	0.00	0.948	0.00	0.11	0.743	
23	MC	769	227	0.23	2.02	0.155	1.22	2.08	0.149	-0.02	1.43	0.232	
24	MC	769	227	0.16	0.91	0.340	0.07	0.01	0.927	0.00	0.01	0.903	
25	MC	769	227	0.04	0.05	0.829	-0.75	1.03	0.310	0.01	1.20	0.274	
26	MC	769	227	-0.45	7.65	0.006	-0.29	0.16	0.693	0.00	0.05	0.820	Uniform<
27	MC	769	227	0.22	1.54	0.215	1.52	3.45	0.063	-0.02	2.70	0.100	
28	MC	769	227	0.03	0.03	0.873	0.36	0.23	0.633	-0.01	0.21	0.650	
29	MC	776	272	-0.01	0.01	0.937	-1.09	1.94	0.164	0.02	2.02	0.155	
30	MC	776	272	-0.02	0.01	0.919	-0.24	0.08	0.783	0.00	0.07	0.795	
31	MC	776	272	-0.21	0.89	0.344	0.16	0.03	0.870	-0.01	0.15	0.695	NonUniform
32	MC	776	272	-0.26	2.92	0.088	-1.00	1.88	0.171	0.01	1.07	0.301	
33	MC	776	272	-0.20	1.84	0.175	-0.18	0.05	0.817	0.00	0.00	0.975	
34	MC	776	272	-0.21	1.74	0.188	0.47	0.37	0.544	-0.01	0.80	0.370	
35	MC	776	272	0.06	0.17	0.682	-0.20	0.07	0.795	0.00	0.12	0.729	
36	MC	776	272	0.16	1.10	0.294	-0.15	0.04	0.838	0.01	0.18	0.674	NonUniform
37	MC	776	272	-0.09	0.37	0.541	-0.52	0.44	0.509	0.01	0.31	0.581	
38	MC	776	272	-0.17	1.24	0.265	2.34	7.43	0.006	-0.04	8.89	0.003	
39	MC	776	272	-0.06	0.17	0.679	-1.01	1.93	0.164	0.02	1.76	0.184	
40	MC	776	272	-0.16	1.06	0.303	-0.09	0.02	0.900	0.00	0.01	0.925	
41	MC	776	272	-0.40	4.39	0.036	-0.03	0.00	0.979	-0.01	0.15	0.700	NonUniform
42	MC	776	272	-0.15	0.92	0.337	-1.08	2.19	0.139	0.02	1.69	0.194	
43	MC	776	272	-0.17	1.26	0.261	-0.38	0.28	0.595	0.00	0.09	0.761	
44	MC	776	272	-0.07	0.22	0.640	-2.09	6.94	0.008	0.03	6.69	0.010	
45	MC	776	272	-0.08	0.27	0.606	-0.99	1.55	0.214	0.02	1.36	0.244	
46	MC	776	272	-0.15	0.89	0.345	-0.30	0.15	0.702	0.00	0.04	0.841	NonUniform
47	MC	776	272	-0.09	0.33	0.564	1.31	2.01	0.157	-0.02	2.36	0.124	
48	MC	776	272	0.16	1.15	0.284	-0.09	0.02	0.898	0.00	0.12	0.725	
49	MC	776	272	-0.02	0.02	0.895	-0.68	0.70	0.403	0.01	0.68	0.409	
50	MC	764	345	0.23	2.74	0.098	-0.80	1.68	0.195	0.02	2.88	0.090	
51	MC	764	345	-0.15	0.96	0.328	-0.50	0.51	0.477	0.01	0.26	0.613	Uniform<
52	MC	764	345	-0.31	2.33	0.127	-0.12	0.03	0.866	0.00	0.08	0.775	
53	MC	764	345	-0.10	0.50	0.479	-0.77	1.51	0.220	0.01	1.20	0.274	
54	MC	764	345	-0.53	14.36	0.000	-1.34	3.76	0.052	0.01	1.42	0.233	
55	MC	764	345	0.14	0.99	0.321	0.28	0.15	0.695	0.00	0.04	0.839	
56	MC	764	345	0.10	0.36	0.547	-0.38	0.35	0.557	0.01	0.58	0.448	NonUniform
57	MC	764	345	0.00	0.00	0.987	-0.39	0.37	0.542	0.01	0.39	0.535	
58	MC	764	345	-0.17	1.45	0.229	-2.00	9.08	0.003	0.03	7.93	0.005	
59	MC	764	345	-0.14	1.05	0.306	-0.82	1.77	0.184	0.01	1.28	0.257	
60	MC	764	345	-0.15	1.14	0.286	0.40	0.38	0.539	-0.01	0.73	0.392	
61	MC	764	345	-0.25	3.39	0.065	0.11	0.03	0.863	-0.01	0.34	0.559	Uniform<
62	MC	764	345	-0.38	7.21	0.007	-0.87	1.61	0.205	0.01	0.53	0.466	
63	MC	764	345	-0.04	0.05	0.824	-1.46	4.75	0.029	0.03	4.77	0.029	
64	MC	764	345	-0.19	1.85	0.174	-0.87	1.90	0.168	0.01	1.22	0.269	
65	MC	764	345	-0.24	2.46	0.117	-0.49	0.47	0.493	0.00	0.13	0.719	
66	MC	764	345	-0.06	0.17	0.684	1.05	2.30	0.129	-0.02	2.69	0.101	NonUniform
67	MC	764	345	-0.30	3.55	0.060	-0.02	0.00	0.979	-0.01	0.21	0.650	
68	MC	764	345	0.10	0.48	0.487	-1.02	1.93	0.165	0.02	2.42	0.120	
69	MC	764	345	-0.32	5.24	0.022	-0.48	0.51	0.474	0.00	0.06	0.810	
70	MC	764	345	-0.17	1.33	0.249	-0.18	0.08	0.779	0.00	0.00	0.991	

**Table F.197: Logistic Regression DIF Results on Stage IV Reading Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	771	280	0.38	6.32	0.012	-0.50	0.63	0.428	0.02	2.05	0.153	Uniform<
72	MC	771	280	-0.01	0.01	0.934	-1.18	3.48	0.062	0.02	3.61	0.057	
73	MC	771	280	-0.09	0.23	0.628	-0.03	0.00	0.966	0.00	0.01	0.933	
74	MC	771	280	-0.38	3.30	0.069	-0.37	0.27	0.606	0.00	0.00	0.991	
75	MC	771	280	-0.29	3.74	0.053	-0.89	2.03	0.154	0.01	0.98	0.323	
76	MC	771	280	-0.48	9.97	0.002	-0.99	3.00	0.083	0.01	0.84	0.360	
77	MC	771	280	-0.20	1.77	0.183	-0.29	0.22	0.636	0.00	0.02	0.879	
78	MC	771	280	0.02	0.02	0.892	-0.58	1.12	0.289	0.01	1.29	0.257	
79	MC	771	280	-0.04	0.08	0.776	-0.39	0.32	0.570	0.01	0.27	0.606	
80	MC	771	280	-0.26	2.86	0.091	-1.08	2.67	0.102	0.02	1.63	0.202	
81	MC	771	280	-0.20	1.59	0.207	-1.09	2.87	0.090	0.02	2.04	0.153	
82	MC	771	280	-0.20	1.87	0.171	-0.99	2.76	0.097	0.01	1.85	0.173	
83	MC	771	280	-0.08	0.26	0.607	0.28	0.22	0.637	-0.01	0.39	0.534	
84	MC	771	280	0.03	0.02	0.881	1.82	4.72	0.030	-0.03	4.90	0.027	
85	MC	771	280	-0.20	1.57	0.210	-0.73	1.41	0.235	0.01	0.79	0.374	
86	MC	771	280	-0.13	0.73	0.392	-0.33	0.24	0.623	0.00	0.09	0.764	
87	MC	771	280	-0.11	0.46	0.499	-0.48	0.55	0.459	0.01	0.35	0.556	
88	MC	771	280	0.11	0.44	0.505	-0.14	0.04	0.847	0.00	0.13	0.723	
89	MC	771	280	-0.38	6.22	0.013	0.20	0.09	0.762	-0.01	0.84	0.360	
90	MC	771	280	0.19	1.34	0.247	-0.50	0.55	0.457	0.01	1.11	0.292	
91	MC	771	280	0.13	0.53	0.466	1.44	3.44	0.064	-0.02	3.07	0.080	
92	SA1	1533	572	0.15	1.58	0.208	0.99	2.11	0.147	-0.01	1.58	0.209	
93	SA1	769	227	-0.02	0.01	0.931	-0.30	0.11	0.742	0.00	0.10	0.751	
94	SA1	1547	552	0.00	0.00	0.999	-0.18	0.07	0.789	0.00	0.07	0.785	
95	SA1	776	272	-0.03	0.02	0.885	0.51	0.22	0.637	-0.01	0.25	0.614	
96	SA1	764	345	0.10	0.22	0.640	2.25	3.63	0.057	-0.03	3.51	0.061	
97	SA1	771	280	-0.39	3.71	0.054	-0.80	0.59	0.443	0.01	0.16	0.688	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.198: Logistic Regression DIF Results on Stage IV Reading Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	3080	465	0.25	3.28	0.070	0.16	0.07	0.785	0.00	0.02	0.879	Uniform>
2	MC	3080	465	0.10	0.91	0.339	-0.10	0.04	0.843	0.00	0.16	0.690	
3	MC	3080	465	-0.16	1.64	0.200	-0.64	1.05	0.305	0.01	0.61	0.436	
4	MC	3080	465	0.00	0.00	0.995	0.14	0.08	0.779	0.00	0.08	0.775	
5	MC	3080	465	0.07	0.46	0.496	0.35	0.39	0.532	0.00	0.26	0.611	
6	MC	3080	465	-0.08	0.66	0.415	-1.21	5.71	0.017	0.02	5.11	0.024	
7	MC	3080	465	0.09	0.62	0.430	-0.66	1.31	0.253	0.01	1.75	0.186	
8	MC	769	95	0.75	9.63	0.002	1.80	2.59	0.108	-0.02	0.92	0.338	
9	MC	769	95	0.13	0.30	0.583	3.63	5.70	0.017	-0.07	5.46	0.019	
10	MC	769	95	0.12	0.25	0.621	-1.10	1.10	0.295	0.02	1.46	0.228	
11	MC	769	95	0.27	1.19	0.276	-0.35	0.09	0.767	0.01	0.28	0.594	
12	MC	769	95	-0.35	2.23	0.136	-0.75	0.48	0.489	0.01	0.14	0.708	
13	MC	769	95	0.20	0.75	0.385	0.38	0.13	0.722	0.00	0.03	0.859	
14	MC	769	95	-0.15	0.45	0.504	0.21	0.04	0.848	-0.01	0.11	0.737	
15	MC	769	95	-0.58	6.44	0.011	-1.72	2.83	0.092	0.02	1.30	0.255	
16	MC	769	95	0.12	0.30	0.584	2.23	3.13	0.077	-0.04	2.93	0.087	
17	MC	769	95	0.01	0.00	0.952	-0.84	0.69	0.406	0.02	0.74	0.389	
18	MC	769	95	0.17	0.40	0.528	-1.11	0.83	0.361	0.02	1.13	0.288	
19	MC	769	95	-0.21	0.72	0.395	2.03	2.40	0.122	-0.04	3.12	0.077	
20	MC	769	95	0.33	1.41	0.236	0.73	0.30	0.582	-0.01	0.09	0.758	
21	MC	769	95	-0.47	4.13	0.042	-3.00	8.65	0.003	0.05	6.30	0.012	
22	MC	769	95	0.57	4.77	0.029	0.05	0.00	0.970	0.01	0.18	0.672	
23	MC	769	95	0.46	3.59	0.058	3.13	3.93	0.047	-0.05	3.01	0.083	
24	MC	769	95	0.45	2.99	0.084	-0.41	0.12	0.731	0.02	0.54	0.464	
25	MC	769	95	-0.09	0.12	0.727	-0.12	0.01	0.912	0.00	0.00	0.973	
26	MC	769	95	-0.32	1.88	0.170	-0.34	0.10	0.757	0.00	0.00	0.986	
27	MC	769	95	0.35	1.67	0.196	0.92	0.54	0.463	-0.01	0.22	0.639	
28	MC	769	95	0.09	0.13	0.719	1.56	1.51	0.219	-0.03	1.43	0.231	
29	MC	776	102	0.55	4.42	0.036	0.55	0.16	0.690	0.00	0.00	1.000	NonUniform
30	MC	776	102	0.04	0.02	0.895	1.23	0.55	0.458	-0.02	0.53	0.467	
31	MC	776	102	-0.14	0.15	0.695	-1.06	0.41	0.521	0.02	0.33	0.564	
32	MC	776	102	0.01	0.00	0.961	-0.61	0.21	0.645	0.01	0.23	0.634	
33	MC	776	102	-0.01	0.00	0.955	-0.68	0.29	0.591	0.01	0.29	0.593	
34	MC	776	102	0.18	0.50	0.478	0.31	0.05	0.828	0.00	0.01	0.926	
35	MC	776	102	-0.02	0.01	0.931	2.12	2.06	0.151	-0.04	2.16	0.142	
36	MC	776	102	0.05	0.05	0.819	-0.73	0.35	0.555	0.01	0.41	0.521	
37	MC	776	102	0.10	0.20	0.657	-0.17	0.02	0.899	0.00	0.04	0.839	
38	MC	776	102	-0.33	2.31	0.129	2.27	2.62	0.106	-0.04	3.55	0.060	
39	MC	776	102	0.26	1.14	0.285	-1.15	0.74	0.390	0.02	1.14	0.286	
40	MC	776	102	-0.01	0.00	0.958	1.08	0.61	0.435	-0.02	0.65	0.420	
41	MC	776	102	-0.48	3.18	0.075	-0.31	0.04	0.846	0.00	0.01	0.913	
42	MC	776	102	-0.18	0.65	0.419	-1.85	2.27	0.132	0.03	1.87	0.171	
43	MC	776	102	-0.18	0.68	0.411	-1.97	2.78	0.095	0.03	2.35	0.125	
44	MC	776	102	0.14	0.37	0.542	-2.21	2.89	0.089	0.04	3.32	0.068	
45	MC	776	102	-0.06	0.06	0.804	-0.77	0.34	0.560	0.01	0.30	0.583	
46	MC	776	102	-0.50	5.25	0.022	0.19	0.02	0.886	-0.01	0.29	0.592	
47	MC	776	102	-0.02	0.01	0.939	1.68	1.20	0.274	-0.03	1.26	0.262	
48	MC	776	102	0.16	0.56	0.453	-0.60	0.24	0.626	0.01	0.40	0.529	
49	MC	776	102	0.10	0.18	0.668	1.43	0.88	0.349	-0.02	0.78	0.377	
50	MC	764	167	0.21	1.41	0.236	-1.09	1.36	0.244	0.02	1.99	0.159	
51	MC	764	167	-0.12	0.31	0.577	-0.41	0.13	0.714	0.01	0.07	0.791	
52	MC	764	167	-0.24	0.72	0.396	-1.17	1.05	0.306	0.02	0.72	0.396	
53	MC	764	167	0.34	3.31	0.069	1.92	2.61	0.106	-0.03	1.83	0.177	
54	MC	764	167	-0.46	6.51	0.011	-0.45	0.16	0.685	0.00	0.00	0.989	
55	MC	764	167	0.16	0.79	0.375	1.06	0.80	0.370	-0.01	0.60	0.440	
56	MC	764	167	0.16	0.59	0.444	0.02	0.00	0.986	0.00	0.02	0.889	
57	MC	764	167	0.36	3.44	0.064	0.15	0.02	0.890	0.00	0.04	0.840	
58	MC	764	167	-0.04	0.04	0.838	-3.21	11.20	0.001	0.05	11.07	0.001	
59	MC	764	167	-0.23	1.77	0.184	-1.54	2.85	0.092	0.02	2.12	0.145	
60	MC	764	167	-0.22	1.62	0.203	0.16	0.03	0.873	-0.01	0.15	0.695	
61	MC	764	167	-0.19	1.17	0.279	-0.08	0.01	0.933	0.00	0.01	0.908	
62	MC	764	167	-0.08	0.20	0.656	-1.11	1.16	0.281	0.02	1.02	0.313	
63	MC	764	167	-0.06	0.06	0.802	-1.57	2.29	0.130	0.03	2.18	0.139	
64	MC	764	167	-0.10	0.30	0.583	-0.17	0.03	0.869	0.00	0.00	0.946	
65	MC	764	167	0.06	0.07	0.786	-0.52	0.21	0.648	0.01	0.26	0.608	
66	MC	764	167	-0.06	0.11	0.736	1.33	1.46	0.226	-0.02	1.66	0.197	
67	MC	764	167	-0.29	1.91	0.167	-0.43	0.19	0.665	0.00	0.02	0.882	
68	MC	764	167	0.28	2.00	0.157	1.27	0.89	0.344	-0.02	0.56	0.454	
69	MC	764	167	-0.29	2.57	0.109	-0.44	0.19	0.660	0.00	0.02	0.874	
70	MC	764	167	-0.07	0.11	0.742	0.26	0.06	0.802	-0.01	0.10	0.749	

**Table F.198: Logistic Regression DIF Results on Stage IV Reading Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	771	101	0.41	3.34	0.068	-0.16	0.02	0.882	0.01	0.29	0.588	
72	MC	771	101	0.14	0.36	0.549	-0.65	0.36	0.547	0.01	0.55	0.457	
73	MC	771	101	-0.23	0.62	0.430	-1.26	1.00	0.317	0.02	0.71	0.399	
74	MC	771	101	-0.21	0.46	0.499	0.17	0.02	0.900	-0.01	0.08	0.773	
75	MC	771	101	0.03	0.02	0.899	-0.55	0.26	0.609	0.01	0.30	0.583	
76	MC	771	101	-0.29	1.62	0.203	-0.37	0.14	0.711	0.00	0.01	0.930	
77	MC	771	101	0.16	0.50	0.479	-0.73	0.49	0.486	0.02	0.75	0.386	
78	MC	771	101	0.13	0.36	0.548	-0.79	0.68	0.409	0.02	0.97	0.325	
79	MC	771	101	-0.26	1.31	0.253	1.71	1.72	0.189	-0.03	2.39	0.122	
80	MC	771	101	-0.37	2.49	0.115	0.13	0.01	0.911	-0.01	0.18	0.670	
81	MC	771	101	-0.27	1.34	0.246	-0.63	0.33	0.566	0.01	0.11	0.737	
82	MC	771	101	-0.29	1.77	0.184	-1.37	1.92	0.166	0.02	1.24	0.265	
83	MC	771	101	-0.33	2.31	0.128	0.93	0.82	0.367	-0.02	1.56	0.212	
84	MC	771	101	-0.19	0.63	0.429	2.21	2.62	0.106	-0.04	3.31	0.069	
85	MC	771	101	-0.15	0.39	0.530	-0.49	0.21	0.648	0.01	0.11	0.746	
86	MC	771	101	0.03	0.01	0.904	0.34	0.08	0.777	-0.01	0.07	0.791	
87	MC	771	101	-0.19	0.64	0.425	-0.32	0.09	0.768	0.00	0.02	0.900	
88	MC	771	101	0.25	0.94	0.333	-1.09	0.84	0.360	0.02	1.29	0.256	
89	MC	771	101	-0.47	4.41	0.036	0.24	0.05	0.825	-0.01	0.45	0.504	
90	MC	771	101	0.43	2.66	0.103	-0.32	0.07	0.792	0.01	0.39	0.533	
91	MC	771	101	0.49	3.10	0.079	-0.37	0.08	0.772	0.02	0.47	0.492	
92	SA1	1533	262	0.03	0.03	0.855	1.14	1.26	0.262	-0.02	1.24	0.266	
93	SA1	769	95	-0.29	1.35	0.245	-1.24	0.99	0.319	0.02	0.60	0.439	
94	SA1	1547	203	-0.17	0.90	0.342	-1.42	2.24	0.134	0.02	1.78	0.183	
95	SA1	776	102	-0.14	0.26	0.607	-1.17	0.55	0.459	0.02	0.44	0.509	
96	SA1	764	167	-0.12	0.22	0.638	2.39	1.98	0.160	-0.04	2.28	0.131	
97	SA1	771	101	-0.36	1.53	0.216	-1.98	1.79	0.181	0.03	1.22	0.270	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.199: Logistic Regression DIF Results on Stage IV Reading Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	659	465	0.12	0.51	0.474	0.57	0.75	0.387	-0.01	0.50	0.480	Uniform>
2	MC	659	465	0.22	2.85	0.091	0.04	0.00	0.947	0.00	0.10	0.749	
3	MC	659	465	0.27	3.19	0.074	0.51	0.58	0.444	0.00	0.14	0.708	
4	MC	659	465	0.02	0.04	0.846	0.45	0.68	0.411	-0.01	0.64	0.424	
5	MC	659	465	0.18	1.98	0.160	1.21	3.92	0.048	-0.02	2.99	0.084	
6	MC	659	465	-0.12	0.92	0.337	-0.87	2.31	0.129	0.01	1.79	0.181	
7	MC	659	465	0.04	0.07	0.794	0.04	0.00	0.948	0.00	0.00	0.995	
8	MC	132	95	0.86	6.88	0.009	1.61	1.50	0.221	-0.01	0.35	0.554	
9	MC	132	95	0.19	0.39	0.530	3.77	5.10	0.024	-0.07	4.79	0.029	
10	MC	132	95	-0.31	1.06	0.303	-1.53	1.48	0.223	0.02	1.00	0.317	
11	MC	132	95	0.32	1.15	0.284	-0.45	0.10	0.749	0.01	0.32	0.574	
12	MC	132	95	0.30	1.11	0.293	-1.31	1.03	0.311	0.03	1.63	0.202	
13	MC	132	95	0.32	1.22	0.270	-0.18	0.02	0.890	0.01	0.16	0.693	
14	MC	132	95	0.19	0.45	0.503	0.56	0.19	0.663	-0.01	0.09	0.767	
15	MC	132	95	-0.28	0.99	0.320	0.47	0.16	0.690	-0.01	0.43	0.511	
16	MC	132	95	0.17	0.37	0.542	3.29	5.61	0.018	-0.06	5.33	0.021	
17	MC	132	95	0.19	0.48	0.490	1.20	1.07	0.300	-0.02	0.81	0.369	
18	MC	132	95	0.69	4.93	0.026	-0.31	0.05	0.823	0.02	0.55	0.459	
19	MC	132	95	0.05	0.03	0.857	1.70	1.32	0.251	-0.03	1.30	0.253	
20	MC	132	95	-0.21	0.34	0.559	0.50	0.10	0.753	-0.01	0.21	0.645	
21	MC	132	95	-0.25	0.75	0.386	-2.83	5.18	0.023	0.05	4.56	0.033	
22	MC	132	95	0.62	3.93	0.047	0.28	0.04	0.844	0.01	0.06	0.810	
23	MC	132	95	0.38	1.59	0.207	2.77	2.51	0.113	-0.04	1.95	0.163	
24	MC	132	95	0.48	2.32	0.127	-0.59	0.18	0.672	0.02	0.61	0.435	
25	MC	132	95	-0.19	0.39	0.534	0.93	0.50	0.480	-0.02	0.78	0.378	
26	MC	132	95	0.21	0.54	0.461	-0.03	0.00	0.979	0.00	0.04	0.844	Uniform>
27	MC	132	95	0.17	0.28	0.600	-0.87	0.34	0.562	0.02	0.51	0.477	
28	MC	132	95	0.11	0.12	0.731	1.77	1.52	0.217	-0.03	1.43	0.231	
29	MC	170	102	0.86	6.58	0.010	1.88	1.54	0.214	-0.02	0.48	0.487	
30	MC	170	102	0.07	0.05	0.829	1.95	1.18	0.277	-0.04	1.13	0.288	
31	MC	170	102	0.16	0.14	0.712	-1.82	0.93	0.335	0.04	1.16	0.281	
32	MC	170	102	0.40	2.14	0.144	0.42	0.09	0.768	0.00	0.00	0.990	
33	MC	170	102	0.32	1.42	0.234	-0.83	0.34	0.559	0.02	0.67	0.413	
34	MC	170	102	0.65	4.89	0.027	-0.37	0.06	0.811	0.02	0.44	0.506	
35	MC	170	102	-0.15	0.31	0.576	3.12	3.88	0.049	-0.06	4.43	0.035	
36	MC	170	102	-0.19	0.48	0.486	-0.76	0.30	0.585	0.01	0.18	0.674	
37	MC	170	102	0.30	1.21	0.271	0.38	0.07	0.798	0.00	0.00	0.954	
38	MC	170	102	-0.20	0.52	0.469	-0.03	0.00	0.984	0.00	0.01	0.918	
39	MC	170	102	0.47	2.67	0.102	-0.29	0.04	0.843	0.01	0.29	0.593	
40	MC	170	102	0.24	0.74	0.389	1.48	0.98	0.322	-0.02	0.72	0.396	
41	MC	170	102	-0.12	0.14	0.704	-0.38	0.05	0.831	0.00	0.02	0.884	
42	MC	170	102	-0.10	0.14	0.712	-1.03	0.58	0.448	0.02	0.49	0.486	
43	MC	170	102	-0.03	0.01	0.916	-2.23	2.81	0.094	0.04	2.83	0.093	
44	MC	170	102	0.25	0.90	0.344	-0.25	0.03	0.861	0.01	0.13	0.719	
45	MC	170	102	0.00	0.00	0.989	0.30	0.04	0.835	-0.01	0.05	0.829	
46	MC	170	102	-0.61	5.15	0.023	0.83	0.32	0.569	-0.02	1.01	0.314	
47	MC	170	102	0.18	0.40	0.528	0.47	0.07	0.791	0.00	0.03	0.869	
48	MC	170	102	0.00	0.00	0.997	-0.71	0.26	0.609	0.01	0.27	0.603	
49	MC	170	102	0.16	0.34	0.562	2.79	2.92	0.088	-0.05	2.69	0.101	
50	MC	178	167	-0.12	0.25	0.615	-0.37	0.13	0.716	0.00	0.07	0.797	Uniform>
51	MC	178	167	0.04	0.02	0.885	0.12	0.01	0.921	0.00	0.00	0.945	
52	MC	178	167	0.17	0.22	0.637	-1.76	1.88	0.170	0.04	2.49	0.114	
53	MC	178	167	0.88	11.38	0.001	3.15	6.39	0.012	-0.04	3.56	0.059	
54	MC	178	167	0.10	0.19	0.665	1.22	1.10	0.293	-0.02	0.97	0.323	
55	MC	178	167	0.05	0.04	0.832	1.11	0.73	0.391	-0.02	0.70	0.404	
56	MC	178	167	0.08	0.09	0.758	0.52	0.21	0.646	-0.01	0.16	0.692	
57	MC	178	167	0.70	7.99	0.005	0.44	0.15	0.698	0.00	0.05	0.818	
58	MC	178	167	0.15	0.38	0.535	-1.85	3.28	0.070	0.03	4.00	0.045	
59	MC	178	167	-0.25	1.18	0.277	-0.96	0.92	0.336	0.01	0.54	0.464	
60	MC	178	167	-0.13	0.30	0.584	-0.30	0.07	0.790	0.00	0.02	0.877	
61	MC	178	167	0.16	0.46	0.495	-0.36	0.11	0.736	0.01	0.25	0.619	
62	MC	178	167	0.60	6.05	0.014	-0.67	0.36	0.550	0.02	1.32	0.250	
63	MC	178	167	-0.21	0.49	0.485	-0.05	0.00	0.964	0.00	0.02	0.884	
64	MC	178	167	0.13	0.31	0.575	0.94	0.76	0.382	-0.01	0.60	0.440	
65	MC	178	167	0.58	5.02	0.025	-0.27	0.05	0.822	0.01	0.52	0.472	
66	MC	178	167	0.07	0.08	0.773	0.38	0.10	0.753	-0.01	0.07	0.793	
67	MC	178	167	0.06	0.05	0.827	-0.62	0.34	0.560	0.01	0.43	0.512	
68	MC	178	167	0.28	1.21	0.270	2.98	4.55	0.033	-0.04	3.96	0.047	
69	MC	178	167	0.06	0.06	0.805	0.02	0.00	0.987	0.00	0.00	0.970	
70	MC	178	167	0.22	0.73	0.392	0.53	0.22	0.636	-0.01	0.08	0.774	

**Table F.199: Logistic Regression DIF Results on Stage IV Reading Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	179	101	0.02	0.01	0.930	0.46	0.15	0.697	-0.01	0.14	0.704	
72	MC	179	101	0.19	0.54	0.463	0.67	0.33	0.563	-0.01	0.18	0.673	
73	MC	179	101	-0.22	0.43	0.514	-1.61	1.36	0.244	0.03	1.08	0.298	
74	MC	179	101	0.27	0.52	0.469	0.61	0.18	0.670	-0.01	0.06	0.806	
75	MC	179	101	0.49	3.32	0.068	0.35	0.09	0.765	0.00	0.02	0.901	
76	MC	179	101	0.29	1.17	0.279	0.74	0.47	0.493	-0.01	0.18	0.669	
77	MC	179	101	0.57	4.33	0.037	-0.71	0.39	0.533	0.02	1.31	0.252	
78	MC	179	101	0.14	0.32	0.570	-0.30	0.09	0.769	0.01	0.20	0.655	
79	MC	179	101	-0.34	1.55	0.213	2.83	4.22	0.040	-0.06	5.62	0.018	
80	MC	179	101	-0.16	0.37	0.543	1.63	1.66	0.197	-0.03	2.11	0.147	
81	MC	179	101	-0.13	0.23	0.635	0.66	0.32	0.572	-0.01	0.48	0.486	
82	MC	179	101	-0.17	0.42	0.515	-0.49	0.21	0.650	0.01	0.09	0.760	
83	MC	179	101	-0.39	2.30	0.130	0.94	0.72	0.397	-0.02	1.52	0.218	
84	MC	179	101	-0.35	1.27	0.260	0.62	0.16	0.692	-0.02	0.41	0.525	
85	MC	179	101	0.06	0.04	0.836	0.30	0.07	0.792	0.00	0.05	0.826	
86	MC	179	101	0.26	0.86	0.354	0.85	0.44	0.506	-0.01	0.23	0.635	
87	MC	179	101	-0.14	0.24	0.622	0.24	0.04	0.839	-0.01	0.11	0.741	
88	MC	179	101	0.21	0.45	0.502	-1.37	1.04	0.308	0.03	1.43	0.232	
89	MC	179	101	-0.13	0.22	0.639	0.08	0.00	0.948	0.00	0.03	0.861	
90	MC	179	101	0.34	1.25	0.263	0.19	0.02	0.887	0.00	0.01	0.904	
91	MC	179	101	0.61	3.43	0.064	-2.65	3.22	0.073	0.06	4.92	0.027	
92	SA1	310	262	-0.23	1.27	0.261	0.26	0.04	0.833	-0.01	0.17	0.682	
93	SA1	132	95	-0.49	2.30	0.129	-1.91	1.39	0.238	0.02	0.80	0.371	
94	SA1	349	203	-0.30	1.80	0.180	-1.93	2.86	0.091	0.03	2.11	0.146	
95	SA1	170	102	-0.18	0.29	0.593	-2.62	1.84	0.175	0.04	1.64	0.201	
96	SA1	178	167	-0.45	1.53	0.217	0.27	0.02	0.896	-0.01	0.12	0.724	
97	SA1	179	101	0.03	0.01	0.931	-1.84	1.14	0.286	0.03	1.21	0.271	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.200: Logistic Regression DIF Results on Stage IV Reading Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	86	465	0.43	1.34	0.247	2.15	1.17	0.279	-0.03	0.80	0.370	
2	MC	86	465	0.06	0.07	0.797	-1.19	0.65	0.420	0.02	0.75	0.386	
3	MC	86	465	0.05	0.03	0.874	-1.34	0.63	0.428	0.02	0.70	0.401	
4	MC	86	465	-0.33	1.75	0.186	0.54	0.15	0.697	-0.01	0.40	0.525	
5	MC	86	465	-0.31	1.57	0.210	1.41	1.03	0.311	-0.03	1.56	0.211	
6	MC	86	465	0.05	0.05	0.822	-0.85	0.37	0.543	0.02	0.43	0.511	
7	MC	86	465	-0.24	0.72	0.398	-2.55	2.09	0.148	0.04	1.80	0.179	
8	MC	3	95	11.88	0.00	0.979	12.08	0.00	0.992	-0.06	0.00	0.997	
9	MC	3	95	-1.12	0.72	0.395	0.87	0.00	0.973	-0.03	0.01	0.937	
10	MC	3	95	12.13	0.00	0.980	10.59	0.00	0.993	-0.04	0.00	0.998	
11	MC	3	95	-12.86	0.00	0.979	-6.99	0.00	0.996	-0.03	0.00	0.999	
12	MC	3	95	-0.16	0.02	0.899	7.12	0.08	0.777	-0.11	0.08	0.773	
13	MC	3	95	-1.28	1.03	0.311	318.66	0.06	0.801	-5.02	0.06	0.800	
14	MC	3	95	-13.65	0.00	0.975	-6.42	0.00	0.996	-0.05	0.00	0.998	
15	MC	3	95	-12.97	0.00	0.977	-8.27	0.00	0.994	-0.01	0.00	1.000	
16	MC	3	95	-13.93	0.00	0.974	-4.84	0.00	0.997	-0.08	0.00	0.997	
17	MC	3	95	-0.14	0.01	0.911	321.14	0.06	0.810	-5.05	0.06	0.809	
18	MC	3	95	-12.58	0.00	0.981	-7.74	0.00	0.996	-0.01	0.00	1.000	
19	MC	3	95	-13.13	0.00	0.979	-5.62	0.00	0.997	-0.05	0.00	0.998	
20	MC	3	95	-12.56	0.00	0.983	-7.27	0.00	0.996	-0.02	0.00	0.999	
21	MC	3	95	0.17	0.02	0.893	320.68	0.06	0.811	-5.03	0.06	0.811	
22	MC	3	95	0.26	0.04	0.836	-233.94	0.02	0.886	3.49	0.02	0.887	
23	MC	3	95	-13.59	0.00	0.977	-3.26	0.00	0.998	-0.10	0.00	0.996	
24	MC	3	95	0.39	0.09	0.761	-234.60	0.02	0.886	3.50	0.02	0.887	
25	MC	3	95	0.18	0.02	0.887	7.27	0.08	0.773	-0.11	0.08	0.779	
26	MC	3	95	-13.03	0.00	0.977	-7.28	0.00	0.995	-0.03	0.00	0.999	
27	MC	3	95	-12.56	0.00	0.982	-7.54	0.00	0.996	-0.02	0.00	0.999	
28	MC	3	95	-12.86	0.00	0.980	-6.50	0.00	0.996	-0.04	0.00	0.999	
29	MC	33	102	13.77	0.00	0.959	13.71	0.00	0.956	-0.07	0.00	0.987	
30	MC	33	102	0.90	2.00	0.157	-0.16	0.00	0.969	0.02	0.07	0.795	
31	MC	33	102	1.53	2.04	0.154	3.20	0.25	0.617	-0.03	0.07	0.787	
32	MC	33	102	0.22	0.26	0.609	-0.24	0.01	0.930	0.01	0.03	0.865	
33	MC	33	102	0.10	0.05	0.815	-3.06	1.01	0.315	0.05	1.11	0.293	
34	MC	33	102	0.00	0.00	0.999	-11.30	3.89	0.049	0.18	4.11	0.043	
35	MC	33	102	-0.31	0.52	0.470	5.65	4.37	0.037	-0.10	4.90	0.027	
36	MC	33	102	-0.12	0.08	0.772	2.27	0.79	0.374	-0.04	0.90	0.342	
37	MC	33	102	0.23	0.31	0.581	1.55	0.34	0.560	-0.02	0.25	0.616	
38	MC	33	102	-0.65	2.00	0.158	-10.02	2.99	0.084	0.15	2.69	0.101	
39	MC	33	102	0.63	2.14	0.144	-2.11	0.56	0.454	0.05	0.98	0.323	
40	MC	33	102	0.34	0.61	0.434	0.23	0.01	0.935	0.00	0.00	0.969	
41	MC	33	102	-0.07	0.02	0.894	-5.32	1.43	0.231	0.09	1.47	0.226	
42	MC	33	102	-0.78	2.41	0.121	0.65	0.04	0.833	-0.02	0.22	0.642	
43	MC	33	102	-0.98	3.93	0.047	-2.98	0.82	0.366	0.03	0.38	0.536	
44	MC	33	102	0.29	0.52	0.470	4.79	3.34	0.068	-0.08	3.00	0.083	
45	MC	33	102	0.03	0.00	0.944	2.83	1.18	0.276	-0.05	1.20	0.274	
46	MC	33	102	-0.21	0.26	0.612	1.58	0.34	0.557	-0.03	0.45	0.501	
47	MC	33	102	0.35	0.66	0.416	3.68	1.79	0.181	-0.06	1.50	0.220	
48	MC	33	102	-0.54	1.50	0.220	-0.83	0.08	0.777	0.00	0.01	0.922	
49	MC	33	102	-0.24	0.32	0.572	3.35	1.46	0.227	-0.06	1.71	0.191	
50	MC	39	167	-0.39	1.08	0.298	0.95	0.21	0.644	-0.02	0.43	0.510	
51	MC	39	167	-0.50	1.51	0.219	-2.91	1.08	0.298	0.04	0.76	0.383	
52	MC	39	167	0.11	0.03	0.857	-0.51	0.03	0.866	0.01	0.04	0.837	
53	MC	39	167	1.01	5.42	0.020	3.33	1.97	0.160	-0.04	1.01	0.314	
54	MC	39	167	0.36	0.92	0.338	-1.10	0.19	0.661	0.03	0.35	0.555	
55	MC	39	167	-0.42	1.14	0.286	1.74	0.56	0.453	-0.04	0.89	0.347	
56	MC	39	167	-0.31	0.42	0.517	0.57	0.05	0.829	-0.02	0.11	0.735	
57	MC	39	167	0.72	3.75	0.053	3.51	2.78	0.095	-0.05	1.80	0.180	
58	MC	39	167	-0.57	1.75	0.186	-2.27	0.87	0.351	0.03	0.52	0.473	
59	MC	39	167	0.01	0.00	0.988	-4.61	3.06	0.080	0.08	3.14	0.077	
60	MC	39	167	-0.22	0.35	0.553	2.01	0.98	0.321	-0.04	1.25	0.264	
61	MC	39	167	0.16	0.20	0.655	-1.06	0.23	0.633	0.02	0.31	0.575	
62	MC	39	167	0.30	0.63	0.428	-3.74	1.87	0.171	0.07	2.25	0.134	
63	MC	39	167	-0.48	0.83	0.362	-2.54	0.78	0.377	0.04	0.55	0.457	
64	MC	39	167	-0.36	0.80	0.373	-6.37	3.24	0.072	0.10	3.00	0.083	
65	MC	39	167	0.44	1.25	0.263	1.56	0.51	0.476	-0.02	0.27	0.605	
66	MC	39	167	0.01	0.00	0.975	-0.27	0.01	0.912	0.00	0.01	0.906	
67	MC	39	167	-0.01	0.00	0.984	0.65	0.08	0.779	-0.01	0.08	0.773	
68	MC	39	167	-1.10	3.72	0.054	-1.07	0.09	0.767	0.00	0.00	0.994	
69	MC	39	167	-0.37	0.92	0.339	-1.53	0.40	0.526	0.02	0.24	0.625	
70	MC	39	167	0.58	2.28	0.131	4.38	3.84	0.050	-0.07	2.93	0.087	



**Table F.200: Logistic Regression DIF Results on Stage IV Reading Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	11	101	0.15	0.05	0.821	-4.09	0.65	0.420	0.07	0.71	0.400	
72	MC	11	101	-0.04	0.00	0.955	-4.54	0.66	0.416	0.08	0.66	0.417	
73	MC	11	101	-0.21	0.06	0.807	-5.87	0.78	0.376	0.11	0.71	0.399	
74	MC	11	101	-1.12	1.92	0.166	-7.20	1.09	0.296	0.12	0.79	0.375	
75	MC	11	101	0.29	0.19	0.660	-10.72	1.24	0.265	0.19	1.33	0.249	
76	MC	11	101	-0.55	0.69	0.407	-1.10	0.12	0.732	0.01	0.03	0.861	
77	MC	11	101	0.94	2.10	0.147	-3.13	0.57	0.452	0.07	0.96	0.328	
78	MC	11	101	0.56	0.71	0.400	-194.32	0.66	0.417	3.60	0.66	0.416	
79	MC	11	101	-0.83	1.06	0.303	-1.96	0.18	0.669	0.02	0.06	0.802	
80	MC	11	101	-1.17	2.49	0.114	-2.97	0.36	0.547	0.03	0.14	0.712	
81	MC	11	101	-1.86	2.85	0.091	-64.72	0.03	0.854	0.79	0.03	0.859	
82	MC	11	101	-0.28	0.18	0.672	-1.70	0.31	0.577	0.02	0.23	0.632	
83	MC	11	101	-0.23	0.12	0.725	-1.17	0.12	0.731	0.02	0.08	0.779	
84	MC	11	101	0.36	0.26	0.612	2.91	0.91	0.339	-0.04	0.74	0.391	
85	MC	11	101	-0.02	0.00	0.975	-6.40	1.68	0.195	0.11	1.72	0.190	
86	MC	11	101	-0.24	0.11	0.740	7.45	2.60	0.107	-0.14	2.54	0.111	
87	MC	11	101	1.37	4.21	0.040	1.19	0.15	0.696	0.00	0.00	0.952	
88	MC	11	101	1.41	4.59	0.032	-0.75	0.05	0.827	0.04	0.40	0.525	
89	MC	11	101	0.15	0.05	0.824	-7.06	1.02	0.313	0.13	1.07	0.301	
90	MC	11	101	1.09	2.67	0.102	-2.98	0.48	0.487	0.07	0.91	0.341	
91	MC	11	101	0.54	0.53	0.467	-18.10	1.29	0.257	0.31	1.35	0.246	
92	SA1	42	262	0.58	2.57	0.109	1.99	0.77	0.382	-0.02	0.39	0.532	
93	SA1	3	95	-0.19	0.02	0.882	-226.83	0.03	0.871	3.37	0.03	0.872	
94	SA1	44	203	-0.32	0.60	0.438	0.91	0.16	0.691	-0.02	0.29	0.588	
95	SA1	33	102	-0.34	0.37	0.541	-8.67	2.29	0.130	0.13	2.24	0.135	
96	SA1	39	167	0.18	0.12	0.732	2.49	0.65	0.419	-0.04	0.57	0.450	
97	SA1	11	101	-0.14	0.03	0.866	-0.07	0.00	0.986	0.00	0.00	0.982	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.201: Logistic Regression DIF Results on Stage IV Reading Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	4204	1691	-0.12	1.28	0.259	-0.24	0.58	0.446	0.00	0.15	0.694	
2	MC	4204	1691	-0.49	52.46	0.000	0.99	12.90	0.000	-0.02	31.57	0.000	NonUniform
3	MC	4204	1691	-0.74	97.14	0.000	2.03	35.74	0.000	-0.04	72.95	0.000	NonUniform
4	MC	4204	1691	-0.46	47.09	0.000	1.42	27.91	0.000	-0.03	53.63	0.000	NonUniform
5	MC	4204	1691	-0.40	27.63	0.000	0.90	8.47	0.004	-0.02	19.01	0.000	NonUniform
6	MC	4204	1691	-0.88	150.34	0.000	0.25	0.78	0.377	-0.02	17.19	0.000	NonUniform
7	MC	4204	1691	-0.73	106.42	0.000	1.87	33.41	0.000	-0.04	70.76	0.000	NonUniform
8	MC	996	423	0.07	0.18	0.675	-0.39	0.50	0.480	0.01	0.79	0.373	
9	MC	996	423	-0.16	0.84	0.359	0.57	0.79	0.374	-0.01	1.38	0.239	
10	MC	996	423	-0.58	9.16	0.002	-0.86	2.26	0.133	0.01	0.27	0.604	Uniform<
11	MC	996	423	-0.34	5.60	0.018	0.43	0.51	0.476	-0.01	1.77	0.183	
12	MC	996	423	-0.49	11.09	0.001	2.84	16.03	0.000	-0.05	24.14	0.000	NonUniform
13	MC	996	423	-0.50	9.92	0.002	0.41	0.51	0.475	-0.02	2.71	0.100	Uniform<
14	MC	996	423	-0.87	30.99	0.000	1.00	2.56	0.110	-0.03	9.58	0.002	NonUniform
15	MC	996	423	-0.63	19.75	0.000	1.59	6.86	0.009	-0.03	14.60	0.000	NonUniform
16	MC	996	423	-0.50	11.00	0.001	1.57	6.38	0.012	-0.03	12.03	0.001	NonUniform
17	MC	996	423	-0.26	3.49	0.062	1.78	10.37	0.001	-0.03	14.96	0.000	NonUniform
18	MC	996	423	-0.84	34.15	0.000	0.33	0.30	0.583	-0.02	4.10	0.043	Uniform<
19	MC	996	423	0.02	0.01	0.910	2.47	12.78	0.000	-0.04	13.97	0.000	NonUniform
20	MC	996	423	0.02	0.02	0.875	0.86	1.89	0.169	-0.01	1.94	0.164	
21	MC	996	423	-0.58	16.91	0.000	0.05	0.01	0.927	-0.01	1.41	0.236	Uniform<
22	MC	996	423	-0.61	17.72	0.000	1.40	4.88	0.027	-0.03	10.87	0.001	NonUniform
23	MC	996	423	-0.58	14.05	0.000	0.78	1.38	0.240	-0.02	4.49	0.034	Uniform<
24	MC	996	423	-0.38	7.14	0.008	1.40	5.02	0.025	-0.03	8.88	0.003	NonUniform
25	MC	996	423	-0.29	3.84	0.050	1.47	5.99	0.014	-0.03	9.42	0.002	NonUniform
26	MC	996	423	-0.63	19.87	0.000	0.90	2.37	0.124	-0.02	7.42	0.006	NonUniform
27	MC	996	423	-0.72	25.20	0.000	2.37	13.96	0.000	-0.05	26.20	0.000	NonUniform
28	MC	996	423	-0.67	22.04	0.000	2.05	11.19	0.001	-0.04	21.70	0.000	NonUniform
29	MC	1048	433	-0.18	0.78	0.377	-0.07	0.01	0.914	0.00	0.03	0.854	
30	MC	1048	433	0.01	0.00	0.968	-0.63	0.80	0.371	0.01	0.90	0.343	
31	MC	1048	433	0.17	0.50	0.482	-0.44	0.35	0.554	0.01	0.75	0.387	
32	MC	1048	433	-0.15	1.07	0.301	1.19	3.67	0.055	-0.02	5.01	0.025	
33	MC	1048	433	-0.17	1.31	0.252	0.67	1.12	0.290	-0.01	1.86	0.173	
34	MC	1048	433	-0.50	12.41	0.000	2.34	12.16	0.000	-0.04	19.66	0.000	NonUniform
35	MC	1048	433	-0.53	11.28	0.001	2.66	11.14	0.001	-0.05	17.00	0.000	NonUniform
36	MC	1048	433	0.05	0.13	0.719	-0.29	0.24	0.624	0.01	0.36	0.547	
37	MC	1048	433	-0.20	1.71	0.190	1.28	3.33	0.068	-0.02	4.74	0.029	
38	MC	1048	433	-0.32	4.79	0.029	0.98	2.33	0.127	-0.02	4.38	0.036	
39	MC	1048	433	-0.61	19.56	0.000	1.63	7.20	0.007	-0.03	14.84	0.000	NonUniform
40	MC	1048	433	-0.59	18.25	0.000	0.79	1.95	0.162	-0.02	6.43	0.011	Uniform<
41	MC	1048	433	-0.98	37.29	0.000	3.07	12.81	0.000	-0.06	24.11	0.000	NonUniform
42	MC	1048	433	-0.47	11.51	0.001	1.08	3.27	0.071	-0.02	7.31	0.007	NonUniform
43	MC	1048	433	-0.62	19.33	0.000	2.19	11.54	0.001	-0.04	20.60	0.000	NonUniform
44	MC	1048	433	-0.29	3.50	0.061	0.80	1.24	0.265	-0.02	2.43	0.119	
45	MC	1048	433	-0.56	11.06	0.001	-0.80	1.56	0.212	0.00	0.15	0.698	Uniform<
46	MC	1048	433	-0.35	6.15	0.013	0.44	0.50	0.480	-0.01	1.74	0.187	
47	MC	1048	433	-0.05	0.13	0.723	-0.72	1.20	0.273	0.01	1.08	0.299	
48	MC	1048	433	-0.42	8.22	0.004	1.88	8.10	0.004	-0.03	13.01	0.000	NonUniform
49	MC	1048	433	-0.27	2.53	0.112	0.46	0.40	0.526	-0.01	1.06	0.302	
50	MC	1109	435	-0.74	28.12	0.000	-0.94	3.42	0.064	0.00	0.17	0.679	Uniform<
51	MC	1109	435	-0.26	2.10	0.148	-0.18	0.08	0.775	0.00	0.02	0.892	
52	MC	1109	435	-0.01	0.00	0.980	-0.43	0.53	0.467	0.01	0.60	0.440	
53	MC	1109	435	-0.38	5.65	0.017	0.64	1.21	0.271	-0.02	3.31	0.069	
54	MC	1109	435	-0.47	10.49	0.001	1.41	4.20	0.040	-0.03	8.00	0.005	NonUniform
55	MC	1109	435	-0.28	3.67	0.055	0.10	0.03	0.871	-0.01	0.40	0.527	
56	MC	1109	435	0.09	0.33	0.563	0.15	0.07	0.788	0.00	0.01	0.911	
57	MC	1109	435	-0.64	23.92	0.000	0.87	2.52	0.113	-0.02	8.21	0.004	NonUniform
58	MC	1109	435	-0.11	0.68	0.410	0.26	0.20	0.653	-0.01	0.45	0.504	
59	MC	1109	435	-0.11	0.62	0.430	0.44	0.66	0.417	-0.01	1.09	0.297	
60	MC	1109	435	-0.72	24.54	0.000	0.65	1.23	0.268	-0.02	5.86	0.016	Uniform<
61	MC	1109	435	-0.59	19.55	0.000	1.40	5.73	0.017	-0.03	12.57	0.000	NonUniform
62	MC	1109	435	-0.57	17.50	0.000	0.93	2.26	0.132	-0.02	6.36	0.012	Uniform<
63	MC	1109	435	-0.69	23.15	0.000	1.14	4.26	0.039	-0.03	12.03	0.001	NonUniform
64	MC	1109	435	-0.70	27.37	0.000	1.32	5.21	0.022	-0.03	13.14	0.000	NonUniform
65	MC	1109	435	-0.09	0.39	0.533	-0.57	1.00	0.317	0.01	0.75	0.386	
66	MC	1109	435	-0.58	18.22	0.000	2.15	10.69	0.001	-0.04	18.73	0.000	NonUniform
67	MC	1109	435	-0.46	10.27	0.001	0.90	2.82	0.093	-0.02	7.06	0.008	NonUniform
68	MC	1109	435	-0.62	19.48	0.000	1.11	2.72	0.099	-0.03	7.08	0.008	NonUniform
69	MC	1109	435	-0.47	11.90	0.001	1.87	8.21	0.004	-0.03	13.95	0.000	NonUniform
70	MC	1109	435	-0.58	18.37	0.000	1.40	6.08	0.014	-0.03	13.35	0.000	NonUniform

**Table F.201: Logistic Regression DIF Results on Stage IV Reading Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	1051	400	-0.38	6.24	0.012	-0.41	0.56	0.454	0.00	0.00	0.953	
72	MC	1051	400	-0.25	2.25	0.134	-0.15	0.06	0.799	0.00	0.03	0.861	
73	MC	1051	400	0.12	0.29	0.589	-0.52	0.58	0.447	0.01	0.99	0.320	
74	MC	1051	400	-0.26	1.12	0.289	-0.30	0.19	0.661	0.00	0.00	0.951	
75	MC	1051	400	-0.33	4.79	0.029	1.74	7.38	0.007	-0.03	11.35	0.001	NonUniform
76	MC	1051	400	0.02	0.02	0.883	1.75	10.04	0.002	-0.03	10.74	0.001	NonUniform
77	MC	1051	400	-0.61	18.10	0.000	1.18	4.29	0.038	-0.03	10.77	0.001	NonUniform
78	MC	1051	400	-0.33	5.37	0.021	1.09	4.44	0.035	-0.02	8.31	0.004	NonUniform
79	MC	1051	400	-0.44	8.75	0.003	1.14	3.17	0.075	-0.02	6.63	0.010	Uniform<
80	MC	1051	400	-0.14	0.74	0.391	1.58	4.97	0.026	-0.03	6.34	0.012	
81	MC	1051	400	-0.29	3.79	0.051	2.49	13.06	0.000	-0.04	17.97	0.000	NonUniform
82	MC	1051	400	-0.19	1.80	0.179	1.24	4.73	0.030	-0.02	6.90	0.009	NonUniform
83	MC	1051	400	-0.53	14.35	0.000	0.43	0.73	0.392	-0.01	3.94	0.047	Uniform<
84	MC	1051	400	-0.50	10.43	0.001	2.90	13.95	0.000	-0.05	21.18	0.000	NonUniform
85	MC	1051	400	-0.16	1.09	0.296	1.46	6.18	0.013	-0.02	8.45	0.004	NonUniform
86	MC	1051	400	-0.40	7.12	0.008	2.11	9.55	0.002	-0.04	14.76	0.000	NonUniform
87	MC	1051	400	-0.44	9.13	0.003	2.13	11.22	0.001	-0.04	18.18	0.000	NonUniform
88	MC	1051	400	-0.34	4.85	0.028	2.34	10.09	0.001	-0.04	14.49	0.000	NonUniform
89	MC	1051	400	-0.65	20.20	0.000	1.48	5.85	0.016	-0.03	13.31	0.000	NonUniform
90	MC	1051	400	-0.44	9.36	0.002	-0.05	0.01	0.932	-0.01	0.55	0.460	Uniform<
91	MC	1051	400	-0.43	8.21	0.004	0.97	2.43	0.119	-0.02	5.51	0.019	Uniform<
92	SA1	2105	858	-0.63	34.53	0.000	0.29	0.30	0.582	-0.01	3.27	0.071	Uniform<
93	SA1	996	423	-0.29	3.46	0.063	0.22	0.10	0.754	-0.01	0.56	0.454	
94	SA1	2099	833	-0.75	44.32	0.000	1.58	7.52	0.006	-0.03	17.36	0.000	NonUniform
95	SA1	1048	433	-0.64	16.29	0.000	0.95	1.36	0.244	-0.02	4.04	0.044	Uniform<
96	SA1	1109	435	-0.57	11.64	0.001	-0.01	0.00	0.994	-0.01	0.52	0.469	Uniform<
97	SA1	1051	400	-0.66	14.74	0.000	0.45	0.28	0.599	-0.02	1.80	0.180	Uniform<

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.202: Logistic Regression DIF Results on Stage IV Reading Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	278	4204	0.35	1.29	0.256	-0.20	0.01	0.926	0.01	0.07	0.797	
2	MC	278	4204	0.11	0.74	0.391	-2.70	7.08	0.008	0.04	7.85	0.005	NonUniform
3	MC	278	4204	0.34	5.45	0.020	-2.80	6.27	0.012	0.04	8.17	0.004	NonUniform
4	MC	278	4204	0.25	3.74	0.053	-4.23	15.82	0.000	0.06	18.03	0.000	NonUniform
5	MC	278	4204	0.47	9.69	0.002	-4.08	9.52	0.002	0.07	11.73	0.001	NonUniform
6	MC	278	4204	0.57	17.45	0.000	-3.16	7.75	0.005	0.05	10.83	0.001	NonUniform
7	MC	278	4204	0.39	8.76	0.003	-2.73	6.80	0.009	0.04	9.11	0.003	NonUniform
8	MC	76	996	0.19	0.21	0.648	4.71	2.49	0.115	-0.06	2.49	0.114	
9	MC	76	996	0.23	0.46	0.496	1.99	0.65	0.419	-0.03	0.53	0.467	
10	MC	76	996	0.21	0.28	0.597	-5.59	2.13	0.144	0.09	2.21	0.137	
11	MC	76	996	0.19	0.56	0.452	-4.55	4.03	0.045	0.07	4.42	0.035	
12	MC	76	996	0.27	1.10	0.295	-1.05	0.32	0.569	0.02	0.52	0.470	
13	MC	76	996	0.57	3.06	0.080	-2.31	0.74	0.391	0.04	1.13	0.287	
14	MC	76	996	0.21	0.63	0.429	-1.89	0.80	0.370	0.03	1.00	0.317	
15	MC	76	996	0.18	0.46	0.497	-4.59	4.67	0.031	0.07	5.15	0.023	
16	MC	76	996	0.00	0.00	0.987	-1.13	0.33	0.567	0.02	0.33	0.565	
17	MC	76	996	0.42	2.75	0.097	-2.15	1.35	0.245	0.04	1.96	0.162	
18	MC	76	996	0.52	4.03	0.045	-2.57	1.61	0.205	0.04	2.36	0.125	
19	MC	76	996	-0.17	0.36	0.550	-1.50	0.57	0.449	0.02	0.47	0.495	
20	MC	76	996	0.15	0.30	0.583	-0.30	0.02	0.875	0.01	0.06	0.810	
21	MC	76	996	-0.07	0.07	0.798	-3.54	2.91	0.088	0.05	2.89	0.089	
22	MC	76	996	0.57	4.91	0.027	-2.27	1.23	0.268	0.04	1.94	0.163	
23	MC	76	996	0.50	3.12	0.077	-0.46	0.04	0.832	0.01	0.20	0.658	
24	MC	76	996	0.11	0.19	0.663	-2.17	1.26	0.263	0.03	1.42	0.234	
25	MC	76	996	0.25	0.88	0.348	-1.76	0.86	0.355	0.03	1.15	0.283	
26	MC	76	996	0.29	1.32	0.251	-2.80	1.99	0.158	0.04	2.48	0.115	
27	MC	76	996	0.29	1.19	0.275	-7.76	9.68	0.002	0.11	10.76	0.001	NonUniform
28	MC	76	996	0.14	0.28	0.595	-6.20	7.32	0.007	0.09	7.96	0.005	NonUniform
29	MC	74	1048	0.86	2.02	0.155	-7.74	2.25	0.133	0.14	2.57	0.109	
30	MC	74	1048	0.07	0.02	0.880	-1.19	0.12	0.725	0.02	0.14	0.709	
31	MC	74	1048	1.22	1.42	0.233	-13.54	1.24	0.265	0.27	1.25	0.264	
32	MC	74	1048	-0.17	0.40	0.525	-1.14	0.33	0.566	0.01	0.24	0.621	
33	MC	74	1048	0.12	0.21	0.649	-2.25	1.11	0.291	0.03	1.25	0.264	
34	MC	74	1048	-0.11	0.16	0.693	-5.21	4.69	0.030	0.07	4.69	0.030	
35	MC	74	1048	0.28	1.09	0.297	-4.85	3.47	0.063	0.08	3.88	0.049	
36	MC	74	1048	0.27	0.78	0.377	-2.62	1.07	0.300	0.04	1.30	0.253	
37	MC	74	1048	0.17	0.41	0.524	-0.24	0.01	0.907	0.01	0.04	0.839	
38	MC	74	1048	0.05	0.04	0.834	-2.89	1.83	0.176	0.04	1.93	0.165	
39	MC	74	1048	0.27	1.11	0.292	-0.77	0.17	0.683	0.01	0.31	0.577	
40	MC	74	1048	0.34	1.78	0.182	-1.41	0.54	0.463	0.02	0.86	0.355	
41	MC	74	1048	0.36	1.50	0.221	2.57	1.56	0.211	-0.03	1.16	0.282	
42	MC	74	1048	0.02	0.01	0.938	-2.08	1.06	0.304	0.03	1.11	0.293	
43	MC	74	1048	-0.13	0.26	0.607	-3.53	2.76	0.096	0.05	2.63	0.105	
44	MC	74	1048	0.38	1.99	0.158	-1.70	0.56	0.455	0.03	0.85	0.358	
45	MC	74	1048	0.39	1.45	0.229	-1.97	0.55	0.458	0.04	0.79	0.374	
46	MC	74	1048	0.25	0.97	0.325	-0.38	0.04	0.841	0.01	0.11	0.738	
47	MC	74	1048	-0.16	0.36	0.549	-0.55	0.07	0.796	0.01	0.03	0.854	
48	MC	74	1048	0.05	0.03	0.859	-3.91	3.14	0.076	0.06	3.25	0.071	
49	MC	74	1048	-0.06	0.04	0.834	-6.46	4.17	0.041	0.10	4.06	0.044	
50	MC	61	1109	0.05	0.03	0.860	-2.88	1.35	0.245	0.04	1.41	0.235	
51	MC	61	1109	0.04	0.01	0.931	-13.73	4.93	0.026	0.21	4.70	0.030	
52	MC	61	1109	0.48	0.42	0.518	-244.13	0.91	0.339	4.28	0.90	0.343	
53	MC	61	1109	0.05	0.02	0.876	-1.60	0.34	0.562	0.02	0.36	0.548	
54	MC	61	1109	0.59	3.54	0.060	-2.07	0.61	0.435	0.04	1.01	0.315	
55	MC	61	1109	-0.39	1.85	0.174	0.19	0.01	0.934	-0.01	0.06	0.801	
56	MC	61	1109	-0.07	0.04	0.845	1.15	0.18	0.668	-0.02	0.21	0.649	
57	MC	61	1109	0.49	3.14	0.076	-4.71	3.36	0.067	0.07	4.16	0.041	
58	MC	61	1109	-0.02	0.01	0.940	2.50	1.25	0.264	-0.03	1.28	0.258	
59	MC	61	1109	0.11	0.15	0.697	-4.87	3.31	0.069	0.07	3.49	0.062	
60	MC	61	1109	0.08	0.07	0.789	-5.97	4.34	0.037	0.08	4.46	0.035	
61	MC	61	1109	0.28	1.01	0.314	-5.66	4.37	0.037	0.08	4.88	0.027	
62	MC	61	1109	0.37	1.76	0.184	-5.62	4.03	0.045	0.08	4.64	0.031	
63	MC	61	1109	0.05	0.02	0.890	3.20	1.26	0.261	-0.04	1.21	0.272	
64	MC	61	1109	0.70	6.34	0.012	-2.51	1.10	0.293	0.04	1.83	0.176	
65	MC	61	1109	-0.18	0.34	0.560	1.75	0.51	0.474	-0.03	0.63	0.429	
66	MC	61	1109	0.44	2.48	0.115	-7.15	5.87	0.015	0.10	6.70	0.010	NonUniform
67	MC	61	1109	-0.68	2.32	0.128	-8.89	3.19	0.074	0.11	2.94	0.086	
68	MC	61	1109	0.15	0.28	0.596	-5.83	3.99	0.046	0.08	4.28	0.039	
69	MC	61	1109	0.57	4.09	0.043	-8.20	6.68	0.010	0.12	7.67	0.006	NonUniform
70	MC	61	1109	-0.05	0.03	0.865	-7.06	4.51	0.034	0.09	4.67	0.031	

**Table F.202: Logistic Regression DIF Results on Stage IV Reading Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	67	1051	0.02	0.00	0.955	-0.38	0.04	0.843	0.01	0.04	0.835	
72	MC	67	1051	0.58	2.47	0.116	-1.35	0.28	0.599	0.03	0.56	0.453	
73	MC	67	1051	1.41	1.89	0.169	8.84	1.50	0.221	-0.11	1.27	0.259	
74	MC	67	1051	-0.60	1.66	0.198	-1.94	0.42	0.515	0.02	0.20	0.652	
75	MC	67	1051	0.27	0.95	0.330	-1.95	0.94	0.331	0.03	1.24	0.266	
76	MC	67	1051	0.55	2.71	0.099	-0.27	0.02	0.902	0.01	0.14	0.705	
77	MC	67	1051	0.57	4.41	0.036	-2.94	2.04	0.153	0.05	2.94	0.086	
78	MC	67	1051	0.46	2.51	0.113	-1.94	0.94	0.331	0.03	1.45	0.228	
79	MC	67	1051	0.02	0.01	0.941	-2.91	1.90	0.168	0.04	1.96	0.161	
80	MC	67	1051	0.69	3.87	0.049	3.14	1.97	0.161	-0.04	1.26	0.261	
81	MC	67	1051	0.25	0.89	0.347	-1.45	0.58	0.447	0.02	0.82	0.366	
82	MC	67	1051	0.07	0.07	0.789	0.45	0.07	0.795	-0.01	0.05	0.825	
83	MC	67	1051	0.17	0.42	0.516	-2.00	1.16	0.282	0.03	1.39	0.238	
84	MC	67	1051	0.15	0.29	0.589	-4.78	4.04	0.044	0.07	4.45	0.035	
85	MC	67	1051	-0.08	0.06	0.800	-1.15	0.32	0.571	0.01	0.29	0.590	
86	MC	67	1051	0.12	0.20	0.652	-1.89	0.91	0.339	0.03	1.06	0.304	
87	MC	67	1051	0.23	0.68	0.410	-0.46	0.06	0.801	0.01	0.15	0.703	
88	MC	67	1051	0.64	5.51	0.019	-1.78	0.78	0.376	0.03	1.47	0.226	
89	MC	67	1051	0.53	3.89	0.049	-0.95	0.26	0.609	0.02	0.65	0.421	
90	MC	67	1051	-0.23	0.66	0.418	-4.37	3.66	0.056	0.06	3.41	0.065	
91	MC	67	1051	0.04	0.02	0.881	1.44	0.63	0.428	-0.02	0.60	0.438	
92	SA1	137	2105	0.27	1.95	0.162	2.30	2.61	0.106	-0.03	2.07	0.150	
93	SA1	76	996	0.17	0.42	0.519	-2.24	1.12	0.289	0.03	1.33	0.250	
94	SA1	141	2099	0.34	3.15	0.076	-0.73	0.25	0.614	0.02	0.55	0.457	
95	SA1	74	1048	0.47	3.14	0.077	-0.50	0.06	0.813	0.01	0.22	0.641	
96	SA1	61	1109	0.47	2.22	0.136	8.01	10.25	0.001	-0.10	8.88	0.003	NonUniform
97	SA1	67	1051	-0.03	0.01	0.914	-0.30	0.02	0.891	0.00	0.02	0.902	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.203: Logistic Regression DIF Results on Stage IV Reading Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	5085	777	-0.05	0.17	0.684	-0.66	2.83	0.093	0.01	2.74	0.098	Uniform< NonUniform
2	MC	5085	777	-0.29	12.06	0.001	0.41	1.54	0.214	-0.01	4.83	0.028	
3	MC	5085	777	-0.19	4.29	0.038	1.89	17.96	0.000	-0.03	23.20	0.000	
4	MC	5085	777	-0.09	1.32	0.250	0.90	7.68	0.006	-0.01	10.08	0.001	Uniform< NonUniform
5	MC	5085	777	-0.04	0.23	0.633	0.31	0.71	0.398	-0.01	0.99	0.321	
6	MC	5085	777	-0.28	10.30	0.001	0.17	0.24	0.625	-0.01	1.76	0.185	
7	MC	5085	777	-0.31	12.76	0.000	1.20	8.82	0.003	-0.02	14.80	0.000	Uniform< NonUniform
8	MC	1220	187	-0.11	0.21	0.649	-0.38	0.30	0.581	0.00	0.18	0.672	
9	MC	1220	187	0.01	0.00	0.976	0.49	0.36	0.551	-0.01	0.37	0.543	
10	MC	1220	187	0.14	0.41	0.524	-1.47	5.02	0.025	0.03	6.95	0.008	NonUniform
11	MC	1220	187	-0.14	0.61	0.436	0.64	0.75	0.385	-0.01	1.19	0.275	
12	MC	1220	187	-0.17	0.90	0.343	0.49	0.40	0.526	-0.01	0.78	0.377	
13	MC	1220	187	-0.21	1.05	0.305	-0.28	0.16	0.692	0.00	0.01	0.914	NonUniform
14	MC	1220	187	0.11	0.32	0.575	1.73	3.86	0.049	-0.03	3.56	0.059	
15	MC	1220	187	-0.29	2.77	0.096	2.23	6.83	0.009	-0.04	9.26	0.002	
16	MC	1220	187	-0.18	0.94	0.333	2.11	5.46	0.019	-0.04	6.71	0.010	Uniform< NonUniform
17	MC	1220	187	-0.14	0.69	0.407	0.84	1.70	0.192	-0.01	2.50	0.114	
18	MC	1220	187	-0.57	9.89	0.002	-0.18	0.06	0.805	-0.01	0.30	0.583	
19	MC	1220	187	-0.09	0.27	0.605	-0.17	0.06	0.804	0.00	0.01	0.907	NonUniform
20	MC	1220	187	-0.15	0.69	0.406	4.02	17.07	0.000	-0.06	20.95	0.000	
21	MC	1220	187	-0.37	4.60	0.032	-0.87	1.94	0.164	0.01	0.69	0.405	
22	MC	1220	187	-0.07	0.17	0.683	1.18	2.13	0.144	-0.02	2.55	0.110	NonUniform
23	MC	1220	187	0.01	0.01	0.941	1.95	4.07	0.044	-0.03	4.17	0.041	
24	MC	1220	187	-0.26	2.20	0.138	1.69	4.33	0.038	-0.03	6.13	0.013	
25	MC	1220	187	0.05	0.09	0.769	1.39	3.40	0.065	-0.02	3.44	0.064	NonUniform
26	MC	1220	187	-0.12	0.45	0.501	1.19	2.39	0.122	-0.02	3.09	0.079	
27	MC	1220	187	-0.40	5.35	0.021	0.21	0.09	0.762	-0.01	0.82	0.365	
28	MC	1220	187	-0.25	2.16	0.142	2.26	7.41	0.006	-0.04	9.86	0.002	NonUniform
29	MC	1284	193	-0.36	1.77	0.183	-1.95	4.77	0.029	0.03	3.70	0.055	
30	MC	1284	193	0.26	1.16	0.281	0.03	0.00	0.979	0.00	0.05	0.815	
31	MC	1284	193	0.35	1.60	0.206	1.07	0.78	0.378	-0.01	0.37	0.544	Uniform< NonUniform
32	MC	1284	193	-0.20	1.52	0.218	0.84	1.37	0.242	-0.01	2.26	0.133	
33	MC	1284	193	-0.02	0.01	0.932	-0.38	0.27	0.602	0.01	0.27	0.605	
34	MC	1284	193	-0.19	1.28	0.257	1.82	4.83	0.028	-0.03	6.28	0.012	Uniform< NonUniform
35	MC	1284	193	-0.20	1.09	0.296	1.37	1.90	0.168	-0.03	2.57	0.109	
36	MC	1284	193	0.05	0.08	0.776	0.06	0.01	0.936	0.00	0.00	0.991	
37	MC	1284	193	0.11	0.33	0.564	1.13	1.69	0.194	-0.02	1.45	0.229	Uniform< NonUniform
38	MC	1284	193	-0.43	5.79	0.016	0.50	0.40	0.525	-0.01	1.45	0.228	
39	MC	1284	193	-0.51	9.47	0.002	0.59	0.68	0.411	-0.02	2.49	0.114	
40	MC	1284	193	-0.25	2.30	0.130	1.32	3.31	0.069	-0.02	5.01	0.025	Uniform< NonUniform
41	MC	1284	193	-0.58	9.42	0.002	2.06	3.54	0.060	-0.04	6.06	0.014	
42	MC	1284	193	-0.03	0.04	0.840	1.42	3.39	0.066	-0.02	3.79	0.051	
43	MC	1284	193	-0.16	0.90	0.343	1.26	2.55	0.110	-0.02	3.42	0.064	Uniform< NonUniform
44	MC	1284	193	-0.23	1.51	0.219	-1.16	2.23	0.135	0.01	1.52	0.217	
45	MC	1284	193	0.11	0.30	0.586	1.03	1.21	0.271	-0.02	1.01	0.314	
46	MC	1284	193	-0.46	7.16	0.007	-1.12	2.75	0.097	0.01	1.03	0.311	Uniform< NonUniform
47	MC	1284	193	0.10	0.27	0.605	0.05	0.00	0.946	0.00	0.00	0.959	
48	MC	1284	193	0.07	0.14	0.708	3.04	9.89	0.002	-0.04	9.74	0.002	
49	MC	1284	193	-0.35	2.97	0.085	0.63	0.39	0.533	-0.02	0.98	0.322	Uniform< NonUniform
50	MC	1305	234	-0.31	3.69	0.055	-0.74	1.73	0.188	0.01	0.65	0.421	
51	MC	1305	234	0.03	0.03	0.872	-1.05	2.44	0.118	0.02	2.83	0.093	
52	MC	1305	234	-0.10	0.18	0.672	-0.34	0.26	0.612	0.00	0.15	0.701	Uniform< NonUniform
53	MC	1305	234	-0.34	3.51	0.061	0.02	0.00	0.975	-0.01	0.32	0.573	
54	MC	1305	234	0.15	0.84	0.359	1.90	4.75	0.029	-0.03	4.19	0.041	
55	MC	1305	234	-0.09	0.31	0.575	-0.21	0.09	0.762	0.00	0.03	0.863	Uniform< NonUniform
56	MC	1305	234	-0.01	0.00	0.951	0.31	0.28	0.594	-0.01	0.34	0.561	
57	MC	1305	234	-0.35	5.23	0.022	-0.23	0.15	0.702	0.00	0.05	0.829	
58	MC	1305	234	0.02	0.02	0.890	0.40	0.42	0.517	-0.01	0.40	0.525	Uniform< NonUniform
59	MC	1305	234	0.04	0.06	0.811	0.10	0.03	0.863	0.00	0.01	0.909	
60	MC	1305	234	-0.43	6.51	0.011	-0.30	0.22	0.640	0.00	0.04	0.846	
61	MC	1305	234	-0.15	0.96	0.327	0.58	0.79	0.374	-0.01	1.34	0.248	Uniform< NonUniform
62	MC	1305	234	0.14	0.71	0.399	0.26	0.14	0.704	0.00	0.04	0.850	
63	MC	1305	234	-0.46	8.34	0.004	0.61	1.01	0.316	-0.02	3.42	0.064	
64	MC	1305	234	-0.03	0.03	0.868	-0.13	0.04	0.832	0.00	0.03	0.861	Uniform< NonUniform
65	MC	1305	234	0.24	2.02	0.156	-0.49	0.65	0.418	0.01	1.53	0.216	
66	MC	1305	234	-0.28	3.15	0.076	0.46	0.44	0.509	-0.01	1.20	0.274	
67	MC	1305	234	-0.14	0.75	0.388	0.22	0.14	0.711	-0.01	0.42	0.518	Uniform< NonUniform
68	MC	1305	234	-0.42	6.38	0.012	-0.85	1.53	0.216	0.01	0.43	0.514	
69	MC	1305	234	-0.16	0.97	0.326	-0.50	0.61	0.437	0.01	0.30	0.582	
70	MC	1305	234	-0.29	3.48	0.062	-0.10	0.03	0.871	0.00	0.11	0.736	

**Table F.203: Logistic Regression DIF Results on Stage IV Reading Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
71	MC	1276	163	-0.53	7.14	0.008	0.21	0.08	0.784	-0.01	1.03	0.311	Uniform<
72	MC	1276	163	-0.33	2.33	0.127	-1.14	2.53	0.112	0.01	1.41	0.235	
73	MC	1276	163	-0.11	0.14	0.709	-0.80	0.83	0.362	0.01	0.70	0.402	
74	MC	1276	163	-0.50	2.35	0.126	1.78	2.23	0.136	-0.05	3.68	0.055	
75	MC	1276	163	0.03	0.02	0.885	-0.66	0.91	0.341	0.01	1.06	0.304	
76	MC	1276	163	0.12	0.41	0.524	1.18	2.77	0.096	-0.02	2.39	0.122	
77	MC	1276	163	0.09	0.25	0.616	-0.14	0.04	0.839	0.00	0.12	0.727	
78	MC	1276	163	-0.31	2.82	0.093	-0.46	0.55	0.460	0.00	0.06	0.809	
79	MC	1276	163	-0.24	1.57	0.210	-0.93	1.72	0.190	0.01	1.02	0.313	
80	MC	1276	163	-0.26	1.52	0.218	0.57	0.39	0.534	-0.01	0.87	0.352	
81	MC	1276	163	0.02	0.01	0.922	0.26	0.11	0.736	0.00	0.10	0.746	
82	MC	1276	163	0.04	0.06	0.807	1.23	2.70	0.100	-0.02	2.70	0.100	
83	MC	1276	163	-0.13	0.56	0.454	1.36	3.56	0.059	-0.02	4.61	0.032	
84	MC	1276	163	-0.22	1.26	0.261	-1.46	3.87	0.049	0.02	2.95	0.086	
85	MC	1276	163	0.09	0.21	0.647	1.23	2.73	0.099	-0.02	2.61	0.106	
86	MC	1276	163	-0.11	0.31	0.575	1.25	2.01	0.156	-0.02	2.50	0.114	
87	MC	1276	163	-0.12	0.44	0.507	1.42	3.02	0.082	-0.02	3.82	0.051	
88	MC	1276	163	0.09	0.22	0.637	-0.07	0.01	0.931	0.00	0.04	0.837	
89	MC	1276	163	-0.22	1.34	0.247	-0.36	0.25	0.619	0.00	0.04	0.839	
90	MC	1276	163	-0.33	3.39	0.066	0.62	0.73	0.392	-0.01	1.85	0.174	
91	MC	1276	163	-0.11	0.34	0.559	1.49	2.96	0.086	-0.02	3.65	0.056	
92	SA1	2525	421	-0.07	0.28	0.598	1.11	2.70	0.100	-0.02	3.17	0.075	
93	SA1	1220	187	0.00	0.00	0.994	1.00	1.31	0.252	-0.01	1.39	0.239	
94	SA1	2560	356	-0.29	4.31	0.038	0.24	0.12	0.727	-0.01	0.62	0.432	
95	SA1	1284	193	-0.18	0.88	0.347	0.21	0.05	0.823	-0.01	0.18	0.672	
96	SA1	1305	234	-0.20	1.18	0.278	0.33	0.14	0.711	-0.01	0.37	0.542	
97	SA1	1276	163	-0.22	1.08	0.298	-0.15	0.02	0.887	0.00	0.01	0.943	

Note: MC=Multiple Choice Item, SA1=1 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.204: Logistic Regression DIF Results on Stage IV Writing Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
98	MC	1774	2429	-0.15	4.71	0.030	-0.406	1.842	0.175	0.005	0.768	0.381	Uniform>
99	MC	1774	2429	0.44	26.12	0.000	0.233	0.474	0.491	0.004	0.400	0.527	
100	MC	1774	2429	0.01	0.05	0.825	-0.543	3.221	0.073	0.010	3.557	0.059	
101	MC	399	596	-0.13	0.27	0.605	1.317	2.193	0.139	-0.033	2.901	0.089	
102	MC	399	596	-0.09	0.29	0.588	0.383	0.301	0.583	-0.009	0.498	0.480	
103	MC	399	596	0.20	2.23	0.136	-0.032	0.002	0.963	0.004	0.121	0.728	
104	MC	399	596	0.06	0.18	0.674	-1.307	3.649	0.056	0.024	4.147	0.042	
105	MC	399	596	0.49	5.72	0.017	0.377	0.239	0.625	0.002	0.023	0.881	
106	MC	399	596	0.24	3.02	0.082	0.814	1.260	0.262	-0.010	0.648	0.421	
107	MC	399	596	-0.13	0.94	0.331	-0.320	0.232	0.630	0.003	0.084	0.772	
108	MC	399	596	0.09	0.28	0.599	0.566	0.578	0.447	-0.009	0.428	0.513	Uniform>
109	MC	399	596	0.33	5.57	0.018	0.499	0.562	0.453	-0.003	0.069	0.793	
110	MC	399	596	-0.02	0.01	0.912	0.191	0.089	0.766	-0.004	0.109	0.741	
111	MC	399	596	0.37	7.17	0.007	-0.362	0.266	0.606	0.013	1.119	0.290	
112	MC	399	596	0.19	1.66	0.197	0.853	1.421	0.233	-0.012	0.899	0.343	
113	MC	399	596	-0.06	0.17	0.676	1.533	5.405	0.020	-0.028	6.070	0.014	
114	MC	399	596	-0.03	0.05	0.817	-0.256	0.163	0.686	0.004	0.132	0.717	
115	MC	399	596	-0.07	0.16	0.685	0.670	0.884	0.347	-0.013	1.121	0.290	
116	MC	444	604	0.23	3.03	0.082	1.166	3.463	0.063	-0.016	2.350	0.125	
117	MC	444	604	0.22	2.67	0.102	0.688	1.194	0.274	-0.008	0.582	0.446	NonUniform
118	MC	444	604	0.11	0.71	0.399	0.568	0.571	0.450	-0.008	0.378	0.538	
119	MC	444	604	-0.05	0.14	0.705	-0.074	0.011	0.917	0.000	0.001	0.975	
120	MC	444	604	0.18	1.57	0.210	-0.464	0.487	0.485	0.011	0.965	0.326	
121	MC	444	604	0.03	0.05	0.819	0.116	0.032	0.859	-0.001	0.018	0.892	
122	MC	444	604	0.16	0.94	0.332	0.136	0.032	0.857	0.000	0.001	0.973	
123	MC	444	604	-0.08	0.21	0.648	-1.922	4.705	0.030	0.035	4.497	0.034	
124	MC	444	604	0.04	0.11	0.740	-0.850	1.398	0.237	0.015	1.600	0.206	
125	MC	444	604	0.17	1.62	0.202	-0.118	0.030	0.863	0.005	0.183	0.669	
126	MC	444	604	0.33	4.74	0.029	0.606	0.623	0.430	-0.005	0.133	0.715	
127	MC	444	604	-0.58	20.33	0.000	1.323	4.155	0.042	-0.033	8.933	0.003	Uniform<
128	MC	444	604	-0.11	0.69	0.405	0.776	1.040	0.308	-0.015	1.404	0.236	
129	MC	444	604	0.09	0.35	0.556	-1.551	3.030	0.082	0.027	3.491	0.062	
130	MC	444	604	0.29	4.77	0.029	0.046	0.004	0.948	0.004	0.126	0.722	
131	MC	475	634	0.57	9.42	0.002	0.068	0.010	0.921	0.010	0.579	0.447	Uniform>
132	MC	475	634	0.03	0.04	0.835	-1.073	3.584	0.058	0.019	3.952	0.047	
133	MC	475	634	0.19	1.85	0.173	0.677	1.308	0.253	-0.009	0.714	0.398	
134	MC	475	634	0.09	0.45	0.503	-0.074	0.015	0.902	0.003	0.074	0.785	
135	MC	475	634	0.05	0.13	0.714	-0.300	0.257	0.612	0.006	0.356	0.551	
136	MC	475	634	-0.05	0.13	0.715	1.083	2.374	0.123	-0.021	2.735	0.098	
137	MC	475	634	-0.32	6.12	0.013	0.513	0.534	0.465	-0.014	1.467	0.226	
138	MC	475	634	-0.08	0.41	0.521	0.001	0.000	0.998	-0.001	0.014	0.906	
139	MC	475	634	-0.47	12.48	0.000	-0.653	0.941	0.332	0.003	0.074	0.785	
140	MC	475	634	0.21	2.83	0.092	-0.116	0.035	0.852	0.006	0.290	0.590	Uniform>
141	MC	475	634	-0.09	0.49	0.483	-0.145	0.041	0.840	0.001	0.005	0.942	
142	MC	475	634	-0.16	1.01	0.314	-0.386	0.208	0.648	0.004	0.076	0.783	
143	MC	475	634	0.46	13.21	0.000	-0.695	1.273	0.259	0.020	3.665	0.056	
144	MC	475	634	0.12	0.96	0.327	-0.103	0.032	0.859	0.004	0.156	0.693	
145	MC	475	634	0.18	1.63	0.202	-0.243	0.120	0.729	0.008	0.378	0.539	
146	MC	456	595	0.16	1.55	0.213	-1.081	3.910	0.048	0.022	5.435	0.020	
147	MC	456	595	0.09	0.47	0.495	0.101	0.031	0.860	0.000	0.000	0.987	
148	MC	456	595	0.28	4.09	0.043	-0.918	2.240	0.134	0.022	3.994	0.046	
149	MC	456	595	1.16	24.83	0.000	1.864	5.913	0.015	-0.016	0.955	0.328	Uniform>
150	MC	456	595	-0.32	5.61	0.018	-0.653	0.996	0.318	0.006	0.268	0.605	
151	MC	456	595	-0.09	0.36	0.551	-0.507	0.667	0.414	0.008	0.488	0.485	
152	MC	456	595	0.28	3.17	0.075	1.257	3.420	0.064	-0.017	2.174	0.140	
153	MC	456	595	-0.13	0.69	0.405	0.771	1.552	0.213	-0.018	2.242	0.134	
154	MC	456	595	-0.33	5.74	0.017	-0.699	1.262	0.261	0.007	0.363	0.547	
155	MC	456	595	0.05	0.07	0.798	-0.547	0.662	0.416	0.013	0.844	0.358	
156	MC	456	595	-0.33	5.10	0.024	0.600	0.835	0.361	-0.016	2.093	0.148	
157	MC	456	595	0.22	2.52	0.112	0.812	1.655	0.198	-0.011	0.912	0.340	
158	MC	456	595	0.28	4.79	0.029	0.184	0.105	0.746	0.002	0.033	0.857	Uniform>
159	MC	456	595	-0.11	0.74	0.388	0.864	2.381	0.123	-0.017	3.223	0.073	
160	MC	456	595	-0.11	0.66	0.416	-0.709	1.402	0.236	0.011	1.048	0.306	
161	ER	1774	2429	0.39	29.07	0.000	0.470	2.524	0.112	-0.001	0.075	0.785	
162	ER	399	596	0.53	14.91	0.000	0.427	0.541	0.462	0.002	0.031	0.861	
163	ER	399	596	0.50	11.56	0.001	-0.164	0.068	0.794	0.013	1.175	0.278	
164	ER	444	604	0.65	20.11	0.000	0.469	0.512	0.474	0.003	0.079	0.779	
165	ER	444	604	0.32	5.99	0.014	0.798	1.660	0.198	-0.009	0.634	0.426	
166	ER	475	634	0.60	19.36	0.000	0.684	1.344	0.246	-0.001	0.021	0.886	
167	ER	475	634	0.78	26.30	0.000	0.641	1.152	0.283	0.003	0.060	0.807	Uniform>
168	ER	456	595	0.35	7.94	0.005	-0.067	0.017	0.896	0.008	0.691	0.406	
169	ER	456	595	0.83	38.65	0.000	-0.152	0.078	0.780	0.019	3.436	0.064	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform<



**Table F.204: Logistic Regression DIF Results on Stage IV Writing Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male												
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF					Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	
favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.												

**Table F.205: Logistic Regression DIF Results on Stage IV Writing Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
					$\chi^2$			$\chi^2$			$\chi^2$		
98	MC	3137	1067	-0.15	3.51	0.061	0.20	0.43	0.514	-0.01	1.38	0.240	Uniform<
99	MC	3137	1067	-0.30	9.59	0.002	-1.01	8.52	0.004	0.01	4.58	0.032	
100	MC	3137	1067	0.11	2.35	0.126	0.01	0.00	0.981	0.00	0.12	0.728	
101	MC	780	216	0.15	0.29	0.589	2.23	4.81	0.028	-0.05	4.36	0.037	
102	MC	780	216	-0.21	0.98	0.323	-0.64	0.78	0.377	0.01	0.39	0.532	
103	MC	780	216	0.13	0.58	0.446	0.43	0.31	0.578	-0.01	0.16	0.688	
104	MC	780	216	0.13	0.64	0.422	0.01	0.00	0.994	0.00	0.03	0.856	
105	MC	780	216	-0.08	0.11	0.738	-0.06	0.01	0.942	0.00	0.00	0.977	
106	MC	780	216	0.00	0.00	0.982	1.31	2.25	0.133	-0.02	2.35	0.125	
107	MC	780	216	0.34	4.25	0.039	-0.66	0.89	0.344	0.02	2.17	0.141	
108	MC	780	216	-0.11	0.29	0.588	-0.83	1.18	0.277	0.01	0.96	0.328	
109	MC	780	216	0.25	2.07	0.151	1.13	2.07	0.150	-0.02	1.34	0.247	
110	MC	780	216	0.19	1.25	0.263	0.37	0.30	0.586	0.00	0.08	0.777	
111	MC	780	216	-0.23	1.89	0.170	-0.85	1.40	0.236	0.01	0.80	0.372	
112	MC	780	216	-0.17	0.96	0.326	0.86	1.10	0.294	-0.02	1.67	0.196	
113	MC	780	216	-0.21	1.59	0.208	0.13	0.04	0.852	-0.01	0.25	0.619	
114	MC	780	216	-0.15	0.86	0.353	-1.28	3.97	0.046	0.02	3.30	0.069	
115	MC	780	216	0.10	0.26	0.612	-0.08	0.01	0.914	0.00	0.06	0.804	
116	MC	774	274	-0.04	0.08	0.779	1.15	2.79	0.095	-0.02	3.13	0.077	
117	MC	774	274	-0.22	2.12	0.146	-0.77	1.33	0.249	0.01	0.71	0.398	
118	MC	774	274	-0.22	2.06	0.151	0.01	0.00	0.991	0.00	0.08	0.774	
119	MC	774	274	0.08	0.24	0.626	1.43	3.25	0.071	-0.02	3.07	0.080	
120	MC	774	274	0.04	0.07	0.787	0.11	0.03	0.871	0.00	0.01	0.916	
121	MC	774	274	-0.33	4.92	0.027	-1.02	2.26	0.133	0.01	1.10	0.294	
122	MC	774	274	0.21	1.41	0.236	0.89	1.16	0.281	-0.01	0.70	0.401	
123	MC	774	274	0.34	3.56	0.059	-0.41	0.22	0.640	0.01	0.76	0.384	
124	MC	774	274	0.02	0.02	0.881	-0.11	0.02	0.879	0.00	0.03	0.853	
125	MC	774	274	0.29	3.66	0.056	0.60	0.62	0.429	-0.01	0.17	0.680	
126	MC	774	274	0.15	0.83	0.364	-0.31	0.15	0.703	0.01	0.34	0.561	
127	MC	774	274	-0.10	0.50	0.478	0.74	1.09	0.297	-0.01	1.48	0.224	
128	MC	774	274	-0.10	0.46	0.498	0.24	0.09	0.767	-0.01	0.18	0.668	
129	MC	774	274	-0.13	0.65	0.418	-1.85	4.57	0.033	0.03	4.04	0.044	
130	MC	774	274	-0.20	1.79	0.181	0.38	0.24	0.625	-0.01	0.59	0.443	
131	MC	816	293	0.27	2.08	0.149	1.03	2.27	0.132	-0.02	1.33	0.249	
132	MC	816	293	-0.10	0.49	0.483	-0.47	0.69	0.406	0.01	0.46	0.497	
133	MC	816	293	0.00	0.00	0.994	0.01	0.00	0.991	0.00	0.00	0.993	
134	MC	816	293	0.01	0.00	0.944	0.40	0.42	0.519	-0.01	0.42	0.518	
135	MC	816	293	-0.38	7.20	0.007	-1.13	3.64	0.056	0.01	1.71	0.191	
136	MC	816	293	-0.13	0.60	0.440	-0.63	0.78	0.377	0.01	0.52	0.470	Uniform<
137	MC	816	293	0.32	4.49	0.034	-1.01	2.05	0.152	0.02	3.69	0.055	
138	MC	816	293	-0.10	0.43	0.510	0.31	0.16	0.691	-0.01	0.29	0.592	
139	MC	816	293	-0.40	6.60	0.010	-0.19	0.08	0.781	0.00	0.10	0.752	
140	MC	816	293	0.29	3.94	0.047	-0.84	1.76	0.185	0.02	3.34	0.068	
141	MC	816	293	0.01	0.01	0.930	-0.44	0.36	0.547	0.01	0.40	0.526	
142	MC	816	293	-0.29	2.80	0.094	-1.10	1.82	0.178	0.01	1.04	0.309	
143	MC	816	293	-0.06	0.20	0.656	0.51	0.66	0.418	-0.01	0.87	0.350	
144	MC	816	293	0.26	3.40	0.065	0.87	2.01	0.156	-0.01	1.05	0.306	
145	MC	816	293	-0.29	3.27	0.071	-0.28	0.15	0.702	0.00	0.00	0.978	Uniform<
146	MC	767	284	-0.55	14.06	0.000	-0.11	0.04	0.841	-0.01	0.65	0.419	
147	MC	767	284	-0.17	1.35	0.245	-0.20	0.12	0.728	0.00	0.00	0.962	
148	MC	767	284	-0.20	1.62	0.202	0.57	0.80	0.371	-0.01	1.53	0.215	
149	MC	767	284	-0.76	9.38	0.002	-1.18	2.49	0.115	0.01	0.36	0.547	Uniform<
150	MC	767	284	-0.12	0.63	0.428	-0.73	1.28	0.258	0.01	0.94	0.332	
151	MC	767	284	0.07	0.18	0.673	0.00	0.00	0.997	0.00	0.01	0.910	
152	MC	767	284	-0.04	0.05	0.826	-0.32	0.21	0.646	0.01	0.17	0.677	
153	MC	767	284	0.33	3.96	0.047	-0.35	0.32	0.569	0.01	1.31	0.253	
154	MC	767	284	-0.01	0.01	0.939	0.00	0.00	0.999	0.00	0.00	0.986	
155	MC	767	284	-0.60	7.32	0.007	-1.06	2.24	0.134	0.01	0.47	0.495	Uniform<
156	MC	767	284	0.11	0.46	0.497	-0.14	0.04	0.834	0.00	0.15	0.698	
157	MC	767	284	-0.24	2.23	0.135	-0.21	0.10	0.752	0.00	0.00	0.958	
158	MC	767	284	-0.14	0.93	0.335	-1.58	7.67	0.006	0.03	6.82	0.009	NonUniform
159	MC	767	284	-0.04	0.07	0.790	-0.42	0.54	0.463	0.01	0.47	0.492	
160	MC	767	284	-0.51	11.28	0.001	-0.28	0.23	0.634	0.00	0.16	0.691	
161	ER	3137	1067	-0.09	1.26	0.262	-0.34	1.23	0.267	0.00	0.71	0.398	Uniform<
162	ER	780	216	0.17	1.14	0.287	1.12	3.28	0.070	-0.02	2.53	0.112	
163	ER	780	216	0.14	0.72	0.396	0.01	0.00	0.990	0.00	0.05	0.828	
164	ER	774	274	-0.05	0.08	0.772	-0.81	1.39	0.238	0.01	1.32	0.250	
165	ER	774	274	-0.30	4.29	0.038	-0.62	0.87	0.350	0.01	0.24	0.626	
166	ER	816	293	0.31	4.43	0.035	0.98	2.64	0.104	-0.01	1.32	0.251	
167	ER	816	293	0.19	1.47	0.225	0.66	1.17	0.280	-0.01	0.62	0.429	
168	ER	767	284	-0.26	3.41	0.065	0.77	2.11	0.146	-0.02	3.97	0.046	
169	ER	767	284	-0.03	0.04	0.845	0.50	0.83	0.362	-0.01	0.99	0.319	

**Table F.205: Logistic Regression DIF Results on Stage IV Writing Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic											
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF			Flag	
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value		
Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.											

**Table F.206: Logistic Regression DIF Results on Stage IV Writing Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
98	MC	380	3824	0.33	6.53	0.011	0.12	0.04	0.850	0.00	0.12	0.729	NonUniform
99	MC	380	3824	-0.02	0.02	0.900	-0.57	0.68	0.409	0.01	0.66	0.416	
100	MC	380	3824	-0.15	1.76	0.184	-1.74	7.61	0.006	0.03	6.67	0.010	
101	MC	50	946	0.15	0.06	0.806	0.97	0.11	0.742	-0.02	0.08	0.774	
102	MC	50	946	0.13	0.11	0.746	-0.49	0.06	0.808	0.01	0.10	0.755	
103	MC	50	946	-0.28	0.83	0.362	-1.15	0.42	0.519	0.02	0.25	0.620	
104	MC	50	946	0.45	2.23	0.135	-0.11	0.00	0.947	0.01	0.12	0.725	
105	MC	50	946	-0.26	0.42	0.515	-1.12	0.30	0.583	0.02	0.18	0.672	
106	MC	50	946	-0.12	0.14	0.706	-2.36	1.37	0.242	0.04	1.28	0.258	
107	MC	50	946	-0.04	0.02	0.900	-0.09	0.00	0.954	0.00	0.00	0.972	
108	MC	50	946	0.27	0.42	0.518	-1.25	0.29	0.587	0.03	0.44	0.508	
109	MC	50	946	0.05	0.03	0.859	0.49	0.09	0.761	-0.01	0.08	0.784	
110	MC	50	946	-0.28	0.82	0.366	0.29	0.04	0.850	-0.01	0.14	0.708	
111	MC	50	946	0.00	0.00	0.992	1.19	0.59	0.443	-0.02	0.61	0.433	
112	MC	50	946	-0.06	0.04	0.849	1.40	0.77	0.380	-0.03	0.88	0.349	NonUniform
113	MC	50	946	0.09	0.08	0.781	2.35	2.30	0.129	-0.04	2.17	0.141	
114	MC	50	946	0.29	0.89	0.346	-0.87	0.28	0.598	0.02	0.51	0.477	
115	MC	50	946	-1.07	4.14	0.042	-0.56	0.04	0.832	-0.01	0.04	0.842	
116	MC	77	971	0.34	1.84	0.174	-2.18	2.16	0.142	0.05	2.95	0.086	
117	MC	77	971	0.24	0.87	0.351	1.02	0.61	0.436	-0.01	0.37	0.541	
118	MC	77	971	0.05	0.04	0.842	0.19	0.02	0.901	0.00	0.01	0.927	
119	MC	77	971	-0.28	1.03	0.310	2.23	2.53	0.112	-0.04	3.20	0.074	
120	MC	77	971	0.03	0.02	0.902	1.25	0.91	0.340	-0.02	0.91	0.341	
121	MC	77	971	0.34	1.86	0.173	0.86	0.44	0.506	-0.01	0.17	0.679	
122	MC	77	971	-0.15	0.26	0.608	-0.08	0.00	0.960	0.00	0.00	0.959	
123	MC	77	971	0.54	2.67	0.102	0.48	0.08	0.781	0.00	0.00	0.972	
124	MC	77	971	-0.62	5.48	0.019	0.61	0.17	0.681	-0.02	0.70	0.403	
125	MC	77	971	0.03	0.01	0.921	1.06	0.62	0.431	-0.02	0.61	0.436	NonUniform
126	MC	77	971	0.04	0.02	0.885	1.23	0.75	0.387	-0.02	0.73	0.393	
127	MC	77	971	0.22	0.81	0.369	-1.25	0.76	0.384	0.03	1.08	0.298	
128	MC	77	971	-0.05	0.03	0.860	-1.96	1.17	0.279	0.03	1.16	0.282	
129	MC	77	971	-0.09	0.10	0.752	1.12	0.44	0.509	-0.02	0.52	0.472	
130	MC	77	971	-0.27	1.22	0.270	-0.69	0.21	0.646	0.01	0.08	0.779	
131	MC	161	948	0.73	5.54	0.019	1.23	0.81	0.369	-0.01	0.14	0.704	
132	MC	161	948	0.02	0.02	0.885	0.13	0.02	0.882	0.00	0.02	0.902	
133	MC	161	948	0.36	2.86	0.091	-1.44	1.87	0.171	0.03	2.97	0.085	
134	MC	161	948	-0.12	0.42	0.517	0.36	0.15	0.703	-0.01	0.26	0.607	
135	MC	161	948	0.06	0.13	0.718	2.47	7.56	0.006	-0.04	7.42	0.006	
136	MC	161	948	-0.27	1.78	0.182	0.24	0.05	0.819	-0.01	0.25	0.620	
137	MC	161	948	-0.15	0.71	0.399	-1.69	2.00	0.157	0.02	1.71	0.191	NonUniform
138	MC	161	948	-0.38	4.34	0.037	0.86	0.66	0.417	-0.02	1.40	0.236	
139	MC	161	948	0.41	4.54	0.033	0.34	0.11	0.737	0.00	0.01	0.941	
140	MC	161	948	-0.39	4.54	0.033	-0.36	0.12	0.730	0.00	0.00	0.975	
141	MC	161	948	0.20	1.21	0.272	1.09	1.15	0.284	-0.01	0.79	0.375	
142	MC	161	948	0.37	3.44	0.063	-4.29	7.37	0.007	0.07	9.21	0.002	
143	MC	161	948	-0.14	0.65	0.421	1.05	1.31	0.253	-0.02	1.74	0.188	
144	MC	161	948	0.00	0.00	0.994	-0.56	0.35	0.554	0.01	0.36	0.548	
145	MC	161	948	-0.07	0.13	0.715	-1.44	1.56	0.212	0.02	1.45	0.229	
146	MC	92	959	0.23	1.06	0.302	-1.68	2.11	0.146	0.03	2.81	0.093	Uniform>
147	MC	92	959	0.63	8.19	0.004	1.61	2.35	0.125	-0.02	0.90	0.343	
148	MC	92	959	-0.03	0.01	0.911	-1.03	0.70	0.404	0.02	0.68	0.408	
149	MC	92	959	-0.46	2.03	0.155	-2.91	2.80	0.094	0.05	1.96	0.162	
150	MC	92	959	0.08	0.13	0.723	-1.08	0.74	0.389	0.02	0.90	0.344	
151	MC	92	959	-0.01	0.00	0.967	-0.35	0.08	0.778	0.01	0.08	0.781	
152	MC	92	959	0.14	0.26	0.607	-0.20	0.02	0.878	0.01	0.07	0.789	
153	MC	92	959	-0.11	0.18	0.676	-2.15	2.26	0.133	0.04	2.05	0.152	
154	MC	92	959	0.12	0.23	0.632	1.07	0.85	0.355	-0.02	0.72	0.397	
155	MC	92	959	0.07	0.05	0.832	-1.68	0.91	0.341	0.04	0.98	0.323	
156	MC	92	959	-0.02	0.00	0.952	-0.32	0.06	0.800	0.01	0.06	0.805	
157	MC	92	959	-0.33	1.90	0.168	0.96	0.72	0.398	-0.02	1.36	0.244	
158	MC	92	959	0.17	0.59	0.442	0.65	0.37	0.545	-0.01	0.21	0.650	
159	MC	92	959	-0.03	0.01	0.910	-2.11	3.07	0.080	0.04	3.18	0.074	NonUniform
160	MC	92	959	-0.35	1.76	0.184	-0.82	0.41	0.521	0.01	0.14	0.706	
161	ER	380	3824	0.10	0.64	0.424	0.52	0.78	0.376	-0.01	0.54	0.464	
162	ER	50	946	0.75	5.75	0.017	0.93	0.38	0.535	0.00	0.02	0.902	
163	ER	50	946	0.18	0.32	0.574	3.31	4.46	0.035	-0.06	4.33	0.038	
164	ER	77	971	0.25	0.86	0.353	1.13	0.70	0.402	-0.02	0.44	0.505	
165	ER	77	971	0.48	3.78	0.052	0.37	0.08	0.771	0.00	0.01	0.933	
166	ER	161	948	-0.14	0.54	0.461	2.36	6.33	0.012	-0.04	7.54	0.006	
167	ER	161	948	0.15	0.51	0.474	0.56	0.34	0.562	-0.01	0.19	0.659	
168	ER	92	959	0.45	4.15	0.042	0.96	0.84	0.360	-0.01	0.24	0.621	
169	ER	92	959	-0.01	0.00	0.972	0.90	0.68	0.411	-0.02	0.72	0.395	

**Table F.206: Logistic Regression DIF Results on Stage IV Writing Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian												
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF					Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	
Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.												

**Table F.207: Logistic Regression DIF Results on Stage IV Writing Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
					$\chi^2$			$\chi^2$			$\chi^2$		
98	MC	1322	2880	0.07	0.99	0.320	-0.34	0.95	0.329	0.01	1.48	0.223	NonUniform
99	MC	1322	2880	-0.70	69.35	0.000	-1.91	24.85	0.000	0.02	10.49	0.001	
100	MC	1322	2880	0.02	0.07	0.790	-0.39	1.30	0.254	0.01	1.49	0.223	
101	MC	325	671	-0.52	4.13	0.042	-1.26	1.57	0.211	0.02	0.58	0.447	
102	MC	325	671	-0.09	0.28	0.598	-0.50	0.41	0.523	0.01	0.28	0.594	Uniform<
103	MC	325	671	-0.20	1.96	0.162	0.29	0.15	0.702	-0.01	0.44	0.509	
104	MC	325	671	-0.30	4.59	0.032	-1.49	3.71	0.054	0.02	2.44	0.118	
105	MC	325	671	-0.81	18.09	0.000	-1.51	3.45	0.063	0.01	0.78	0.378	
106	MC	325	671	-0.41	7.72	0.005	0.11	0.02	0.895	-0.01	0.42	0.515	Uniform<
107	MC	325	671	0.06	0.18	0.673	0.24	0.10	0.746	0.00	0.06	0.806	
108	MC	325	671	-0.03	0.02	0.879	-1.66	3.64	0.056	0.03	3.65	0.056	
109	MC	325	671	-0.16	1.14	0.286	0.59	0.62	0.432	-0.01	1.03	0.310	
110	MC	325	671	-0.17	1.38	0.239	-1.28	3.05	0.081	0.02	2.39	0.122	Uniform<
111	MC	325	671	-0.04	0.07	0.786	-0.55	0.50	0.479	0.01	0.45	0.503	
112	MC	325	671	-0.39	7.01	0.008	-0.58	0.54	0.462	0.00	0.06	0.808	
113	MC	325	671	-0.13	0.79	0.374	0.63	0.71	0.400	-0.01	1.08	0.299	
114	MC	325	671	-0.33	5.55	0.019	-0.85	1.42	0.233	0.01	0.56	0.456	Uniform<
115	MC	325	671	0.08	0.24	0.627	0.11	0.02	0.888	0.00	0.00	0.969	
116	MC	317	730	-0.42	8.95	0.003	-0.51	0.53	0.469	0.00	0.02	0.896	
117	MC	317	730	-0.05	0.10	0.747	-0.44	0.39	0.532	0.01	0.33	0.569	
118	MC	317	730	-0.18	1.39	0.239	-0.20	0.06	0.810	0.00	0.00	0.975	Uniform<
119	MC	317	730	-0.07	0.22	0.636	-0.02	0.00	0.981	0.00	0.00	0.946	
120	MC	317	730	-0.32	4.77	0.029	-1.22	2.67	0.102	0.02	1.51	0.220	
121	MC	317	730	-0.20	2.12	0.146	-0.60	0.66	0.418	0.01	0.29	0.588	
122	MC	317	730	-0.53	10.04	0.002	-0.38	0.22	0.639	0.00	0.03	0.856	Uniform<
123	MC	317	730	-0.09	0.29	0.592	-2.38	5.40	0.020	0.04	5.08	0.024	
124	MC	317	730	-0.29	3.84	0.050	0.23	0.09	0.770	-0.01	0.44	0.505	
125	MC	317	730	0.12	0.62	0.432	0.25	0.11	0.741	0.00	0.03	0.855	
126	MC	317	730	-0.04	0.05	0.822	-1.14	1.67	0.197	0.02	1.61	0.205	NonUniform
127	MC	317	730	0.11	0.64	0.426	-2.01	6.69	0.010	0.04	7.70	0.006	
128	MC	317	730	-0.14	0.91	0.340	-1.38	2.39	0.122	0.02	1.98	0.160	
129	MC	317	730	-0.33	3.61	0.057	0.86	0.79	0.374	-0.02	1.55	0.212	
130	MC	317	730	-0.24	2.67	0.102	-0.08	0.01	0.920	0.00	0.04	0.836	NonUniform
131	MC	349	759	-0.40	5.02	0.025	0.28	0.14	0.713	-0.01	0.86	0.353	
132	MC	349	759	-0.39	8.82	0.003	-2.34	10.95	0.001	0.03	7.94	0.005	
133	MC	349	759	-0.47	10.69	0.001	-3.39	19.64	0.000	0.05	15.09	0.000	
134	MC	349	759	-0.55	16.57	0.000	-0.95	1.82	0.177	0.01	0.34	0.561	Uniform<
135	MC	349	759	-0.22	2.64	0.104	0.03	0.00	0.965	0.00	0.14	0.710	
136	MC	349	759	-0.06	0.13	0.720	-0.67	0.69	0.407	0.01	0.60	0.439	
137	MC	349	759	-0.17	1.43	0.231	-0.28	0.13	0.722	0.00	0.02	0.881	
138	MC	349	759	-0.28	4.09	0.043	-0.88	1.07	0.302	0.01	0.50	0.478	Uniform<
139	MC	349	759	0.22	2.35	0.126	-0.92	1.40	0.237	0.02	2.21	0.137	
140	MC	349	759	-0.43	9.61	0.002	-2.38	8.68	0.003	0.03	6.09	0.014	
141	MC	349	759	0.01	0.01	0.932	0.90	1.30	0.255	-0.01	1.30	0.254	
142	MC	349	759	0.07	0.18	0.673	-0.26	0.07	0.785	0.01	0.12	0.724	Uniform<
143	MC	349	759	-0.55	16.44	0.000	-1.19	2.66	0.103	0.01	0.81	0.369	
144	MC	349	759	0.00	0.00	0.996	0.08	0.01	0.907	0.00	0.01	0.904	
145	MC	349	759	-0.28	3.67	0.055	0.89	1.39	0.238	-0.02	2.50	0.114	
146	MC	331	720	-0.01	0.01	0.915	-0.46	0.56	0.456	0.01	0.55	0.459	NonUniform
147	MC	331	720	-0.31	4.42	0.036	-0.40	0.36	0.551	0.00	0.02	0.893	
148	MC	331	720	-0.27	3.70	0.055	0.02	0.00	0.977	-0.01	0.20	0.653	
149	MC	331	720	-1.07	27.38	0.000	-3.25	14.87	0.000	0.05	7.09	0.008	
150	MC	331	720	0.05	0.10	0.753	0.76	1.19	0.276	-0.01	1.09	0.296	Uniform<
151	MC	331	720	-0.08	0.32	0.574	0.27	0.16	0.692	-0.01	0.28	0.594	
152	MC	331	720	-0.11	0.43	0.511	-0.69	0.75	0.387	0.01	0.55	0.458	
153	MC	331	720	-0.32	4.08	0.043	-0.14	0.04	0.839	0.00	0.07	0.791	
154	MC	331	720	-0.07	0.23	0.633	-1.10	2.37	0.124	0.02	2.17	0.141	NonUniform
155	MC	331	720	-0.36	3.66	0.056	-0.75	0.96	0.326	0.01	0.28	0.599	
156	MC	331	720	0.12	0.57	0.449	0.03	0.00	0.969	0.00	0.02	0.902	
157	MC	331	720	-0.66	20.01	0.000	-1.46	3.89	0.049	0.01	1.22	0.269	
158	MC	331	720	-0.25	3.19	0.074	-0.24	0.13	0.714	0.00	0.00	0.988	Uniform<
159	MC	331	720	0.26	3.38	0.066	0.35	0.32	0.572	0.00	0.03	0.873	
160	MC	331	720	0.35	5.68	0.017	-1.37	4.00	0.046	0.03	6.67	0.010	
161	ER	1322	2880	-0.35	23.15	0.000	-0.16	0.24	0.624	0.00	0.34	0.559	
162	ER	325	671	-0.17	1.50	0.221	0.17	0.07	0.796	-0.01	0.28	0.595	Uniform<
163	ER	325	671	-0.06	0.17	0.681	0.74	1.12	0.290	-0.02	1.37	0.241	
164	ER	317	730	-0.03	0.03	0.865	0.14	0.04	0.850	0.00	0.05	0.819	
165	ER	317	730	0.02	0.03	0.864	0.52	0.58	0.446	-0.01	0.55	0.457	
166	ER	349	759	-0.05	0.11	0.740	-0.45	0.43	0.511	0.01	0.36	0.547	Uniform<
167	ER	349	759	-0.47	9.79	0.002	-0.36	0.27	0.606	0.00	0.03	0.868	
168	ER	331	720	-0.21	2.63	0.105	0.38	0.43	0.510	-0.01	1.09	0.296	
169	ER	331	720	-0.41	9.22	0.002	0.79	1.74	0.187	-0.02	4.24	0.040	

**Table F.207: Logistic Regression DIF Results on Stage IV Writing Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education												
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF					Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	
Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.												

**Table F.208: Logistic Regression DIF Results on Stage IV Writing Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUUni}$	Wald $\chi^2$	p-value	
98	MC	3080	1124	-0.15	3.83	0.050	0.12	0.14	0.706	-0.01	0.80	0.370	
99	MC	3080	1124	-0.05	0.29	0.589	-0.49	2.04	0.154	0.01	1.78	0.182	
100	MC	3080	1124	0.16	4.89	0.027	0.09	0.07	0.787	0.00	0.06	0.808	
101	MC	769	227	0.34	1.56	0.212	2.24	4.49	0.034	-0.04	3.37	0.066	
102	MC	769	227	0.03	0.02	0.899	-0.21	0.07	0.785	0.00	0.10	0.750	
103	MC	769	227	0.35	4.66	0.031	0.20	0.07	0.796	0.00	0.04	0.842	
104	MC	769	227	0.16	1.01	0.314	-0.43	0.37	0.542	0.01	0.73	0.393	
105	MC	769	227	0.43	4.23	0.040	0.98	1.54	0.215	-0.01	0.52	0.472	
106	MC	769	227	-0.03	0.03	0.860	0.57	0.46	0.497	-0.01	0.53	0.466	
107	MC	769	227	0.37	5.26	0.022	-0.43	0.36	0.547	0.01	1.31	0.253	
108	MC	769	227	-0.15	0.56	0.455	-0.97	1.47	0.225	0.02	1.13	0.288	
109	MC	769	227	0.20	1.46	0.227	1.72	4.35	0.037	-0.03	3.60	0.058	
110	MC	769	227	0.25	2.47	0.116	1.02	1.97	0.160	-0.01	1.17	0.279	
111	MC	769	227	-0.25	2.42	0.120	-1.30	3.25	0.071	0.02	2.23	0.135	
112	MC	769	227	0.21	1.59	0.207	1.92	4.77	0.029	-0.03	3.93	0.047	
113	MC	769	227	0.14	0.73	0.393	1.23	2.46	0.117	-0.02	2.04	0.153	
114	MC	769	227	-0.18	1.32	0.251	-2.00	9.25	0.002	0.03	8.13	0.004	NonUniform
115	MC	769	227	0.18	0.82	0.366	0.78	0.91	0.339	-0.01	0.59	0.443	
116	MC	776	272	-0.09	0.40	0.526	1.36	3.74	0.053	-0.03	4.46	0.035	
117	MC	776	272	-0.32	4.41	0.036	-0.36	0.29	0.593	0.00	0.00	0.952	
118	MC	776	272	0.06	0.14	0.707	0.30	0.13	0.721	0.00	0.09	0.769	
119	MC	776	272	0.18	1.33	0.248	1.44	3.05	0.081	-0.02	2.44	0.118	
120	MC	776	272	-0.02	0.02	0.876	-0.54	0.61	0.436	0.01	0.58	0.445	
121	MC	776	272	-0.26	3.04	0.081	-0.58	0.70	0.402	0.01	0.23	0.631	
122	MC	776	272	0.18	1.04	0.308	0.53	0.43	0.514	-0.01	0.19	0.661	
123	MC	776	272	0.36	4.05	0.044	-0.48	0.29	0.591	0.02	0.93	0.335	
124	MC	776	272	0.20	1.81	0.178	-0.25	0.11	0.744	0.01	0.36	0.548	
125	MC	776	272	0.09	0.33	0.565	0.09	0.01	0.903	0.00	0.00	0.996	
126	MC	776	272	-0.03	0.02	0.879	-0.13	0.02	0.879	0.00	0.02	0.902	
127	MC	776	272	-0.07	0.25	0.619	0.66	0.85	0.355	-0.01	1.10	0.295	
128	MC	776	272	-0.04	0.06	0.801	-0.96	1.42	0.234	0.02	1.35	0.246	
129	MC	776	272	-0.34	4.33	0.037	-0.88	0.98	0.321	0.01	0.38	0.536	
130	MC	776	272	-0.19	1.49	0.222	0.09	0.01	0.904	0.00	0.14	0.712	
131	MC	764	345	0.22	1.45	0.229	1.09	2.59	0.107	-0.02	1.78	0.183	
132	MC	764	345	0.01	0.01	0.937	0.06	0.01	0.918	0.00	0.01	0.931	
133	MC	764	345	0.06	0.14	0.708	0.49	0.68	0.411	-0.01	0.57	0.452	
134	MC	764	345	0.17	1.50	0.221	0.88	2.02	0.156	-0.01	1.39	0.238	
135	MC	764	345	-0.35	6.69	0.010	-1.05	3.22	0.073	0.01	1.53	0.216	Uniform<
136	MC	764	345	0.03	0.03	0.866	-1.24	3.13	0.077	0.02	3.45	0.063	
137	MC	764	345	0.22	2.37	0.123	-1.12	2.64	0.104	0.02	3.90	0.048	
138	MC	764	345	-0.04	0.07	0.797	-0.06	0.01	0.940	0.00	0.00	0.978	
139	MC	764	345	-0.49	11.01	0.001	-0.12	0.03	0.854	-0.01	0.31	0.575	Uniform<
140	MC	764	345	0.28	4.15	0.042	-0.65	1.07	0.301	0.02	2.30	0.129	
141	MC	764	345	-0.05	0.13	0.716	0.14	0.03	0.852	0.00	0.07	0.792	
142	MC	764	345	-0.42	6.81	0.009	0.24	0.08	0.772	-0.01	0.66	0.416	Uniform<
143	MC	764	345	-0.10	0.57	0.449	-0.74	1.48	0.224	0.01	1.15	0.283	
144	MC	764	345	0.18	1.83	0.176	0.83	1.92	0.166	-0.01	1.24	0.266	
145	MC	764	345	-0.34	4.76	0.029	-1.00	2.06	0.151	0.01	0.95	0.329	
146	MC	771	280	-0.42	8.35	0.004	0.24	0.17	0.680	-0.01	1.40	0.237	Uniform<
147	MC	771	280	-0.10	0.47	0.494	-0.25	0.18	0.672	0.00	0.07	0.797	
148	MC	771	280	0.04	0.05	0.818	0.25	0.15	0.703	0.00	0.11	0.736	
149	MC	771	280	-0.35	2.34	0.126	-1.34	3.33	0.068	0.02	2.06	0.151	
150	MC	771	280	-0.06	0.14	0.707	-0.38	0.31	0.576	0.01	0.24	0.627	
151	MC	771	280	0.19	1.44	0.231	0.47	0.51	0.475	-0.01	0.19	0.660	
152	MC	771	280	0.13	0.47	0.494	-0.63	0.79	0.375	0.01	1.20	0.272	
153	MC	771	280	0.47	8.32	0.004	0.08	0.01	0.903	0.01	0.41	0.520	Uniform>
154	MC	771	280	0.03	0.04	0.843	0.77	1.33	0.249	-0.01	1.29	0.256	
155	MC	771	280	-0.32	2.25	0.134	-0.78	1.23	0.267	0.01	0.49	0.486	
156	MC	771	280	0.24	2.04	0.153	0.10	0.02	0.884	0.00	0.04	0.838	
157	MC	771	280	-0.10	0.38	0.540	-0.21	0.10	0.752	0.00	0.03	0.861	
158	MC	771	280	-0.22	2.21	0.137	-1.50	6.59	0.010	0.02	5.14	0.023	
159	MC	771	280	-0.13	0.79	0.375	-0.57	0.96	0.327	0.01	0.60	0.437	
160	MC	771	280	-0.39	6.49	0.011	-0.35	0.33	0.564	0.00	0.01	0.942	
161	ER	3080	1124	-0.13	2.79	0.095	-0.10	0.10	0.753	0.00	0.01	0.903	
162	ER	769	227	0.15	0.91	0.339	1.48	5.30	0.021	-0.03	4.57	0.033	
163	ER	769	227	0.09	0.29	0.589	0.33	0.23	0.630	0.00	0.13	0.719	
164	ER	776	272	-0.01	0.00	0.965	-0.13	0.04	0.848	0.00	0.03	0.852	
165	ER	776	272	-0.15	1.11	0.292	0.29	0.19	0.664	-0.01	0.46	0.497	
166	ER	764	345	0.15	1.12	0.290	0.29	0.25	0.619	0.00	0.06	0.802	
167	ER	764	345	0.22	2.06	0.152	0.69	1.32	0.251	-0.01	0.65	0.419	
168	ER	771	280	-0.14	1.01	0.314	0.55	1.05	0.306	-0.01	1.73	0.188	
169	ER	771	280	-0.02	0.01	0.912	0.46	0.68	0.409	-0.01	0.78	0.378	



**Table F.208: Logistic Regression DIF Results on Stage IV Writing Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish										
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF			Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	
Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.										

**Table F.209: Logistic Regression DIF Results on Stage IV Writing Items for the Spanish/English Comparison**

Focal Group: Special Education; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NU}$	Wald	p-value	$\beta_2^{NU}$	Wald	p-value	
					$\chi^2$			$\chi^2$			$\chi^2$		
98	MC	3080	465	-0.29	6.17	0.013	0.12	0.05	0.820	-0.01	0.63	0.427	
99	MC	3080	465	0.26	4.37	0.037	0.05	0.01	0.933	0.00	0.16	0.689	
100	MC	3080	465	0.06	0.31	0.579	0.53	1.03	0.310	-0.01	0.86	0.354	
101	MC	769	95	0.28	0.54	0.464	2.13	1.78	0.182	-0.04	1.37	0.242	
102	MC	769	95	-0.06	0.05	0.825	-0.33	0.08	0.775	0.01	0.06	0.812	
103	MC	769	95	0.30	1.65	0.198	0.03	0.00	0.977	0.00	0.06	0.814	
104	MC	769	95	0.05	0.05	0.816	0.12	0.01	0.916	0.00	0.00	0.953	
105	MC	769	95	0.71	6.57	0.010	0.93	0.68	0.410	0.00	0.04	0.837	
106	MC	769	95	-0.11	0.24	0.625	-0.23	0.04	0.842	0.00	0.01	0.917	
107	MC	769	95	0.03	0.01	0.905	0.45	0.16	0.694	-0.01	0.14	0.705	
108	MC	769	95	-0.15	0.27	0.604	-1.08	0.85	0.357	0.02	0.68	0.411	
109	MC	769	95	0.00	0.00	1.000	0.78	0.46	0.500	-0.01	0.48	0.488	
110	MC	769	95	0.30	1.75	0.186	1.43	1.58	0.209	-0.02	1.03	0.311	
111	MC	769	95	-0.16	0.48	0.490	-0.64	0.33	0.568	0.01	0.19	0.661	
112	MC	769	95	0.68	8.37	0.004	2.43	3.03	0.082	-0.03	1.63	0.202	Uniform>
113	MC	769	95	0.51	3.82	0.051	0.06	0.00	0.960	0.01	0.15	0.698	
114	MC	769	95	-0.11	0.24	0.623	-0.61	0.35	0.557	0.01	0.24	0.623	
115	MC	769	95	0.09	0.11	0.740	0.91	0.52	0.471	-0.02	0.45	0.502	
116	MC	776	102	-0.26	1.36	0.244	0.92	0.56	0.454	-0.02	0.95	0.329	
117	MC	776	102	-0.39	2.76	0.097	-0.50	0.17	0.684	0.00	0.01	0.927	
118	MC	776	102	0.41	3.10	0.078	-0.59	0.19	0.666	0.02	0.54	0.460	
119	MC	776	102	0.51	4.19	0.041	3.39	3.87	0.049	-0.05	2.95	0.086	
120	MC	776	102	0.01	0.00	0.980	-2.54	4.24	0.040	0.04	4.52	0.033	
121	MC	776	102	0.08	0.13	0.722	-1.19	1.03	0.310	0.02	1.21	0.272	
122	MC	776	102	0.16	0.32	0.574	1.52	0.99	0.319	-0.03	0.82	0.366	
123	MC	776	102	0.20	0.54	0.460	-1.55	1.20	0.274	0.03	1.61	0.204	
124	MC	776	102	0.27	1.49	0.221	-0.64	0.26	0.609	0.02	0.54	0.462	
125	MC	776	102	-0.04	0.03	0.867	0.44	0.12	0.730	-0.01	0.14	0.704	
126	MC	776	102	0.01	0.00	0.984	-0.04	0.00	0.976	0.00	0.00	0.972	
127	MC	776	102	0.03	0.03	0.872	0.33	0.08	0.782	-0.01	0.06	0.801	
128	MC	776	102	0.07	0.08	0.773	0.98	0.43	0.514	-0.01	0.38	0.536	
129	MC	776	102	-0.37	2.52	0.113	-1.35	0.92	0.337	0.02	0.49	0.483	
130	MC	776	102	0.06	0.07	0.791	0.26	0.04	0.842	0.00	0.02	0.876	
131	MC	764	167	0.04	0.03	0.865	1.36	1.50	0.220	-0.02	1.46	0.226	
132	MC	764	167	0.15	0.76	0.382	-0.23	0.07	0.795	0.01	0.19	0.660	
133	MC	764	167	0.11	0.30	0.586	1.42	2.03	0.154	-0.02	1.80	0.179	
134	MC	764	167	0.32	3.18	0.075	1.51	2.15	0.142	-0.02	1.39	0.238	
135	MC	764	167	-0.14	0.60	0.439	-0.86	0.88	0.348	0.01	0.65	0.422	
136	MC	764	167	0.28	1.76	0.184	-0.04	0.00	0.975	0.01	0.07	0.785	
137	MC	764	167	0.12	0.40	0.527	1.01	0.67	0.412	-0.01	0.54	0.462	
138	MC	764	167	0.15	0.65	0.421	0.98	0.63	0.429	-0.01	0.46	0.496	
139	MC	764	167	-0.69	11.68	0.001	0.36	0.11	0.746	-0.02	0.92	0.336	Uniform<
140	MC	764	167	0.48	6.84	0.009	-0.55	0.30	0.582	0.02	1.10	0.295	Uniform>
141	MC	764	167	-0.15	0.63	0.426	0.10	0.01	0.924	0.00	0.05	0.817	
142	MC	764	167	-0.70	12.83	0.000	1.41	1.18	0.278	-0.03	2.72	0.099	Uniform<
143	MC	764	167	0.02	0.01	0.922	-1.16	1.61	0.204	0.02	1.72	0.190	
144	MC	764	167	0.20	1.34	0.247	1.69	2.78	0.095	-0.02	2.25	0.134	
145	MC	764	167	-0.15	0.59	0.444	-0.82	0.58	0.448	0.01	0.39	0.531	
146	MC	771	101	-0.17	0.59	0.441	1.51	1.96	0.162	-0.03	2.52	0.113	
147	MC	771	101	-0.02	0.01	0.926	-0.73	0.50	0.480	0.01	0.49	0.484	
148	MC	771	101	0.40	3.08	0.079	2.24	3.12	0.077	-0.03	2.20	0.138	
149	MC	771	101	0.04	0.02	0.894	-1.03	0.61	0.433	0.02	0.73	0.393	
150	MC	771	101	-0.20	0.80	0.372	0.11	0.01	0.926	-0.01	0.08	0.782	
151	MC	771	101	0.09	0.16	0.690	0.87	0.56	0.454	-0.01	0.46	0.496	
152	MC	771	101	0.29	0.94	0.331	-0.62	0.22	0.638	0.02	0.49	0.484	
153	MC	771	101	0.15	0.36	0.549	-0.22	0.04	0.844	0.01	0.12	0.732	
154	MC	771	101	-0.11	0.23	0.631	0.82	0.50	0.480	-0.02	0.67	0.413	
155	MC	771	101	0.09	0.10	0.757	1.12	0.69	0.407	-0.02	0.60	0.439	
156	MC	771	101	0.20	0.62	0.429	2.13	2.39	0.122	-0.03	2.09	0.148	
157	MC	771	101	-0.22	0.88	0.348	-1.77	2.89	0.089	0.03	2.35	0.125	
158	MC	771	101	-0.19	0.75	0.387	0.79	0.49	0.486	-0.02	0.78	0.377	
159	MC	771	101	-0.46	4.61	0.032	-0.46	0.22	0.643	0.00	0.00	0.992	
160	MC	771	101	-0.23	0.94	0.333	-0.72	0.48	0.490	0.01	0.24	0.627	
161	ER	3080	465	-0.19	2.65	0.103	-0.29	0.33	0.566	0.00	0.04	0.839	
162	ER	769	95	-0.09	0.15	0.703	1.08	1.23	0.267	-0.02	1.53	0.216	
163	ER	769	95	0.04	0.03	0.853	0.65	0.39	0.531	-0.01	0.35	0.552	
164	ER	776	102	-0.15	0.37	0.542	-0.55	0.19	0.663	0.01	0.11	0.745	
165	ER	776	102	-0.16	0.52	0.471	0.94	0.62	0.431	-0.02	0.86	0.354	
166	ER	764	167	-0.10	0.26	0.609	-1.67	3.22	0.073	0.03	2.97	0.085	
167	ER	764	167	0.26	1.65	0.200	0.20	0.04	0.832	0.00	0.01	0.943	
168	ER	771	101	-0.16	0.60	0.439	-0.23	0.06	0.807	0.00	0.01	0.941	
169	ER	771	101	-0.16	0.51	0.476	0.76	0.53	0.465	-0.02	0.81	0.367	

**Table F.209: Logistic Regression DIF Results on Stage IV Writing Items for the Spanish/English Comparison**

Focal Group: Special Education; Reference Group: English										
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF			Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	
Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.										

**Table F.210: Logistic Regression DIF Results on Stage IV Writing Items for the Non-Spanish/English Comparison**

Focal Group: Special Education; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
98	MC	659	465	-0.21	2.24	0.134	0.06	0.01	0.918	-0.01	0.23	0.630	Uniform>
99	MC	659	465	0.52	10.37	0.001	0.57	0.84	0.360	0.00	0.01	0.938	
100	MC	659	465	-0.19	2.20	0.138	0.68	1.39	0.239	-0.02	2.38	0.123	
101	MC	132	95	-0.06	0.02	0.898	-0.18	0.01	0.926	0.00	0.00	0.952	
102	MC	132	95	-0.15	0.19	0.667	-0.20	0.02	0.882	0.00	0.00	0.971	
103	MC	132	95	-0.09	0.08	0.771	-0.29	0.04	0.835	0.00	0.02	0.881	
104	MC	132	95	-0.17	0.35	0.555	0.80	0.38	0.535	-0.02	0.59	0.442	
105	MC	132	95	0.53	2.14	0.143	-0.14	0.01	0.916	0.01	0.27	0.606	
106	MC	132	95	-0.17	0.34	0.561	-1.40	0.90	0.342	0.02	0.72	0.395	
107	MC	132	95	-0.58	4.00	0.045	1.20	0.82	0.364	-0.03	1.91	0.167	
108	MC	132	95	0.00	0.00	0.997	-0.19	0.02	0.892	0.00	0.02	0.888	Uniform>
109	MC	132	95	-0.43	1.94	0.164	-1.85	1.49	0.223	0.02	0.91	0.339	
110	MC	132	95	0.08	0.08	0.778	0.64	0.23	0.631	-0.01	0.18	0.668	
111	MC	132	95	0.18	0.40	0.527	1.03	0.65	0.420	-0.02	0.47	0.493	
112	MC	132	95	0.95	8.52	0.004	0.59	0.12	0.724	0.01	0.05	0.828	
113	MC	132	95	0.58	3.41	0.065	-1.62	1.29	0.256	0.04	2.45	0.117	
114	MC	132	95	0.16	0.34	0.560	2.10	3.17	0.075	-0.04	2.88	0.090	
115	MC	132	95	-0.16	0.21	0.645	0.15	0.01	0.917	-0.01	0.05	0.827	
116	MC	170	102	-0.20	0.51	0.475	-0.56	0.16	0.685	0.01	0.07	0.789	
117	MC	170	102	-0.11	0.16	0.687	-0.15	0.01	0.909	0.00	0.00	0.975	NonUniform
118	MC	170	102	0.60	4.55	0.033	-1.54	0.96	0.328	0.04	1.89	0.170	
119	MC	170	102	0.60	3.94	0.047	2.36	1.61	0.204	-0.03	0.94	0.332	
120	MC	170	102	0.02	0.01	0.939	-2.77	4.07	0.044	0.05	4.38	0.036	
121	MC	170	102	0.54	4.12	0.042	-1.08	0.68	0.411	0.03	1.58	0.209	
122	MC	170	102	-0.02	0.01	0.939	1.32	0.64	0.425	-0.03	0.68	0.408	
123	MC	170	102	-0.28	0.77	0.379	-1.44	0.82	0.366	0.02	0.56	0.456	
124	MC	170	102	0.10	0.13	0.720	-0.59	0.17	0.678	0.01	0.24	0.624	
125	MC	170	102	-0.21	0.60	0.438	0.54	0.14	0.705	-0.01	0.29	0.592	
126	MC	170	102	0.04	0.02	0.885	0.10	0.00	0.949	0.00	0.00	0.971	
127	MC	170	102	0.22	0.70	0.402	-0.54	0.16	0.692	0.01	0.32	0.570	NonUniform
128	MC	170	102	0.13	0.23	0.632	2.55	2.53	0.112	-0.04	2.38	0.123	
129	MC	170	102	-0.07	0.06	0.806	-0.65	0.17	0.679	0.01	0.14	0.708	
130	MC	170	102	0.43	2.43	0.119	0.03	0.00	0.983	0.01	0.08	0.780	
131	MC	178	167	-0.22	0.48	0.487	0.50	0.18	0.672	-0.01	0.40	0.529	
132	MC	178	167	0.30	1.78	0.183	-0.57	0.34	0.557	0.02	0.86	0.354	
133	MC	178	167	0.15	0.35	0.555	1.25	1.35	0.246	-0.02	1.11	0.293	
134	MC	178	167	0.40	2.72	0.099	0.67	0.35	0.553	0.00	0.06	0.807	
135	MC	178	167	0.38	2.76	0.097	0.09	0.01	0.924	0.00	0.09	0.764	
136	MC	178	167	0.35	1.71	0.191	1.49	1.48	0.223	-0.02	0.92	0.338	
137	MC	178	167	-0.32	1.81	0.179	3.07	5.74	0.017	-0.06	7.39	0.007	NonUniform
138	MC	178	167	0.40	2.62	0.105	1.26	0.88	0.349	-0.01	0.42	0.515	
139	MC	178	167	-0.36	1.98	0.159	0.88	0.54	0.461	-0.02	1.14	0.285	
140	MC	178	167	0.33	1.95	0.163	0.00	0.00	0.997	0.01	0.10	0.749	
141	MC	178	167	-0.19	0.62	0.430	0.03	0.00	0.978	0.00	0.04	0.849	
142	MC	178	167	-0.62	5.21	0.022	2.00	2.01	0.156	-0.04	3.61	0.057	
143	MC	178	167	0.20	0.74	0.391	-0.74	0.55	0.459	0.02	0.92	0.336	
144	MC	178	167	0.10	0.18	0.672	1.18	1.15	0.285	-0.02	1.02	0.314	
145	MC	178	167	0.32	1.39	0.239	0.04	0.00	0.975	0.01	0.06	0.807	
146	MC	179	101	0.47	3.11	0.078	1.56	1.83	0.176	-0.02	0.96	0.328	NonUniform
147	MC	179	101	0.12	0.20	0.653	-0.65	0.35	0.556	0.01	0.52	0.473	
148	MC	179	101	0.62	4.97	0.026	2.45	3.30	0.069	-0.03	1.95	0.163	
149	MC	179	101	0.52	1.69	0.193	0.23	0.03	0.869	0.01	0.04	0.834	
150	MC	179	101	-0.24	0.76	0.384	0.70	0.32	0.570	-0.02	0.61	0.436	
151	MC	179	101	-0.14	0.25	0.618	0.56	0.20	0.656	-0.01	0.33	0.569	
152	MC	179	101	0.21	0.37	0.540	-0.02	0.00	0.991	0.00	0.03	0.866	
153	MC	179	101	-0.50	3.07	0.080	-0.32	0.07	0.788	0.00	0.02	0.877	
154	MC	179	101	-0.21	0.56	0.454	0.10	0.01	0.939	-0.01	0.06	0.804	
155	MC	179	101	0.63	2.89	0.089	2.27	2.50	0.114	-0.04	1.39	0.238	NonUniform
156	MC	179	101	-0.06	0.04	0.834	2.68	3.34	0.068	-0.05	3.79	0.052	
157	MC	179	101	-0.22	0.61	0.437	-2.20	3.47	0.063	0.04	3.00	0.084	
158	MC	179	101	0.02	0.00	0.945	2.93	6.10	0.014	-0.06	6.37	0.012	
159	MC	179	101	-0.56	4.55	0.033	0.27	0.07	0.798	-0.02	0.65	0.420	
160	MC	179	101	0.26	0.94	0.333	-0.54	0.23	0.631	0.01	0.54	0.462	
161	ER	659	465	-0.09	0.41	0.520	-0.23	0.18	0.672	0.00	0.07	0.788	
162	ER	132	95	-0.46	2.72	0.099	-0.78	0.46	0.496	0.01	0.08	0.772	
163	ER	132	95	-0.06	0.04	0.836	0.47	0.15	0.696	-0.01	0.20	0.651	
164	ER	170	102	-0.23	0.66	0.418	-0.51	0.14	0.712	0.01	0.04	0.836	NonUniform
165	ER	170	102	0.03	0.01	0.915	0.96	0.52	0.471	-0.02	0.50	0.478	
166	ER	178	167	-0.44	3.57	0.059	-2.46	6.08	0.014	0.04	4.32	0.038	
167	ER	178	167	0.14	0.27	0.601	-0.79	0.60	0.440	0.02	0.88	0.349	
168	ER	179	101	-0.01	0.00	0.976	-1.05	1.06	0.303	0.02	1.10	0.294	
169	ER	179	101	-0.18	0.50	0.481	0.52	0.22	0.638	-0.01	0.43	0.512	

**Table F.210: Logistic Regression DIF Results on Stage IV Writing Items for the Non-Spanish/English Comparison**

Focal Group: Special Education; Reference Group: English												
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF					Flag
				$\rho_1^{Uni}$	Wald $\chi^2$	p-value	$\rho_1^{NUni}$	Wald $\chi^2$	p-value	$\rho_2^{NUni}$	Wald $\chi^2$	
Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.												

**Table F.211: Logistic Regression DIF Results on Stage IV Writing Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
98	MC	86	465	0.78	5.18	0.023	0.80	0.18	0.672	0.00	0.00	0.991	
99	MC	86	465	0.35	1.19	0.274	2.89	2.77	0.096	-0.05	2.31	0.128	
100	MC	86	465	-0.26	1.10	0.293	-2.17	1.82	0.177	0.03	1.46	0.227	
101	MC	3	95	8.97	0.00	0.984	13.82	0.00	0.995	-0.12	0.00	0.997	
102	MC	3	95	11.64	0.00	0.984	10.93	0.00	0.994	-0.05	0.00	0.998	
103	MC	3	95	0.84	0.44	0.505	-318.55	0.06	0.813	5.02	0.06	0.813	
104	MC	3	95	0.43	0.12	0.734	-2.66	0.01	0.916	0.05	0.02	0.902	
105	MC	3	95	11.75	0.00	0.982	11.04	0.00	0.994	-0.05	0.00	0.998	
106	MC	3	95	0.39	0.09	0.759	-314.03	0.06	0.807	4.94	0.06	0.806	
107	MC	3	95	-0.82	0.42	0.516	8.48	0.11	0.736	-0.14	0.14	0.713	
108	MC	3	95	11.47	0.00	0.983	11.66	0.00	0.994	-0.06	0.00	0.998	
109	MC	3	95	1.02	0.65	0.419	-2.80	0.01	0.911	0.06	0.02	0.879	
110	MC	3	95	-0.34	0.07	0.787	-2.24	0.01	0.929	0.03	0.01	0.940	
111	MC	3	95	0.19	0.02	0.882	-2.57	0.01	0.919	0.04	0.01	0.913	
112	MC	3	95	-0.23	0.03	0.860	-0.09	0.00	0.997	0.00	0.00	0.996	
113	MC	3	95	1.82	2.06	0.152	-3.64	0.02	0.885	0.08	0.05	0.829	
114	MC	3	95	0.09	0.01	0.943	-3.40	0.02	0.892	0.05	0.02	0.890	
115	MC	3	95	-12.48	0.00	0.983	-7.82	0.00	0.996	-0.01	0.00	1.000	
116	MC	33	102	0.71	2.14	0.144	-1.25	0.17	0.681	0.04	0.42	0.517	
117	MC	33	102	1.06	3.32	0.069	-0.07	0.00	0.984	0.02	0.10	0.747	
118	MC	33	102	0.41	0.92	0.339	-1.72	0.33	0.564	0.04	0.52	0.470	
119	MC	33	102	0.17	0.13	0.717	7.79	6.18	0.013	-0.13	5.82	0.016	
120	MC	33	102	0.01	0.00	0.984	0.03	0.00	0.991	0.00	0.00	0.994	
121	MC	33	102	0.19	0.23	0.633	-2.71	0.99	0.320	0.05	1.16	0.281	
122	MC	33	102	-0.34	0.48	0.489	0.70	0.06	0.814	-0.02	0.13	0.723	
123	MC	33	102	0.65	1.35	0.245	1.58	0.23	0.635	-0.02	0.08	0.775	
124	MC	33	102	-0.74	2.60	0.107	0.22	0.01	0.940	-0.02	0.11	0.744	
125	MC	33	102	0.09	0.05	0.831	4.74	3.20	0.074	-0.08	3.12	0.077	
126	MC	33	102	0.28	0.32	0.570	-1.23	0.15	0.698	0.03	0.23	0.631	
127	MC	33	102	0.66	2.40	0.121	-1.88	0.45	0.501	0.04	0.84	0.361	
128	MC	33	102	0.13	0.09	0.766	-1.34	0.16	0.686	0.02	0.20	0.654	
129	MC	33	102	0.00	0.00	0.991	-2.37	0.53	0.469	0.04	0.54	0.463	
130	MC	33	102	0.02	0.00	0.964	3.90	2.28	0.131	-0.07	2.33	0.127	
131	MC	39	167	0.43	0.52	0.472	1.46	0.23	0.630	-0.02	0.12	0.725	
132	MC	39	167	0.58	2.53	0.111	-1.71	0.65	0.422	0.04	1.18	0.277	
133	MC	39	167	-0.04	0.01	0.924	0.57	0.07	0.797	-0.01	0.08	0.780	
134	MC	39	167	0.00	0.00	0.995	1.16	0.30	0.584	-0.02	0.31	0.577	
135	MC	39	167	0.04	0.01	0.905	0.00	0.00	1.000	0.00	0.00	0.983	
136	MC	39	167	-0.13	0.11	0.739	2.24	1.02	0.313	-0.04	1.19	0.275	
137	MC	39	167	-0.27	0.47	0.493	0.75	0.09	0.765	-0.02	0.17	0.680	
138	MC	39	167	0.54	2.00	0.157	2.63	1.36	0.244	-0.04	0.88	0.347	
139	MC	39	167	0.37	0.68	0.411	0.93	0.14	0.707	-0.01	0.05	0.817	
140	MC	39	167	-0.33	0.68	0.409	-1.88	0.58	0.445	0.03	0.41	0.522	
141	MC	39	167	0.36	0.95	0.329	2.63	1.61	0.204	-0.04	1.24	0.266	
142	MC	39	167	-0.45	0.97	0.325	-5.26	1.66	0.198	0.08	1.43	0.232	
143	MC	39	167	-0.48	1.70	0.192	-3.99	2.41	0.121	0.06	1.93	0.165	
144	MC	39	167	0.08	0.04	0.832	-1.68	0.46	0.497	0.03	0.52	0.471	
145	MC	39	167	0.28	0.44	0.506	-5.31	2.55	0.110	0.10	2.85	0.092	
146	MC	11	101	0.84	1.31	0.253	-5.16	0.70	0.402	0.12	0.94	0.331	
147	MC	11	101	-0.17	0.06	0.809	-1.74	0.32	0.574	0.03	0.28	0.598	
148	MC	11	101	0.92	1.46	0.226	4.33	1.59	0.207	-0.06	1.09	0.296	
149	MC	11	101	-0.53	0.38	0.537	-3.31	0.39	0.530	0.05	0.28	0.599	
150	MC	11	101	0.96	1.94	0.164	-8.79	1.20	0.273	0.18	1.50	0.221	
151	MC	11	101	0.81	0.90	0.343	-4.60	0.48	0.487	0.11	0.65	0.419	
152	MC	11	101	0.76	1.07	0.302	-1.43	0.20	0.657	0.04	0.50	0.479	
153	MC	11	101	1.18	1.16	0.282	-72.13	0.14	0.710	1.72	0.14	0.706	
154	MC	11	101	13.64	0.00	0.970	14.80	0.00	0.970	-0.08	0.00	0.991	
155	MC	11	101	0.52	0.21	0.649	-73.79	0.11	0.737	1.75	0.12	0.734	
156	MC	11	101	-1.39	1.51	0.219	4.28	0.63	0.428	-0.10	0.94	0.333	
157	MC	11	101	-0.62	0.87	0.352	-2.39	0.40	0.529	0.03	0.22	0.638	
158	MC	11	101	-0.54	0.63	0.429	3.60	1.61	0.204	-0.07	2.24	0.134	
159	MC	11	101	0.01	0.00	0.991	-1.92	0.36	0.550	0.03	0.37	0.542	
160	MC	11	101	-0.15	0.05	0.830	-3.79	1.12	0.289	0.06	1.11	0.292	
161	ER	86	465	0.30	1.08	0.299	0.62	0.17	0.676	-0.01	0.05	0.828	
162	ER	3	95	0.21	0.03	0.869	8.30	0.10	0.747	-0.12	0.10	0.753	
163	ER	3	95	-0.90	0.51	0.474	-0.20	0.00	0.993	-0.01	0.00	0.977	
164	ER	33	102	0.19	0.18	0.700	7.59	6.86	0.009	-0.13	6.93	0.008	NonUniform
165	ER	33	102	0.87	3.67	0.055	4.83	3.14	0.077	-0.07	2.24	0.134	
166	ER	39	167	-0.18	0.23	0.628	-0.53	0.07	0.794	0.01	0.03	0.858	
167	ER	39	167	0.83	3.62	0.057	4.03	3.12	0.077	-0.06	2.11	0.147	
168	ER	11	101	-0.20	0.10	0.748	-3.73	1.79	0.181	0.06	1.67	0.196	
169	ER	11	101	-1.17	2.90	0.089	-3.61	0.75	0.386	0.04	0.34	0.559	

**Table F.211: Logistic Regression DIF Results on Stage IV Writing Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English												
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF					Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	
Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.												

**Table F.212: Logistic Regression DIF Results on Stage IV Writing Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
					$\chi^2$			$\chi^2$			$\chi^2$		
98	MC	4204	1691	-0.42	24.69	0.000	0.66	5.61	0.018	-0.02	16.49	0.000	NonUniform
99	MC	4204	1691	-0.51	21.97	0.000	-0.44	2.09	0.148	0.00	0.05	0.821	Uniform<
100	MC	4204	1691	-0.56	63.90	0.000	1.21	18.70	0.000	-0.03	43.31	0.000	NonUniform
101	MC	996	423	-0.06	0.04	0.838	0.42	0.28	0.593	-0.01	0.44	0.509	
102	MC	996	423	0.26	2.12	0.146	-0.56	1.02	0.313	0.01	2.47	0.116	
103	MC	996	423	-0.29	3.97	0.046	-0.46	0.69	0.407	0.00	0.11	0.744	
104	MC	996	423	-0.45	9.17	0.002	0.46	0.63	0.429	-0.01	2.62	0.105	Uniform<
105	MC	996	423	-0.68	6.69	0.010	-0.19	0.08	0.780	-0.01	0.62	0.433	Uniform<
106	MC	996	423	-0.33	4.46	0.035	1.14	2.59	0.108	-0.02	4.59	0.032	
107	MC	996	423	-0.03	0.05	0.822	-0.86	2.85	0.091	0.01	2.82	0.093	
108	MC	996	423	-0.15	0.46	0.498	-0.18	0.08	0.783	0.00	0.00	0.957	
109	MC	996	423	-0.69	24.85	0.000	-0.36	0.47	0.491	-0.01	0.40	0.525	Uniform<
110	MC	996	423	-0.29	3.33	0.068	0.10	0.03	0.861	-0.01	0.54	0.462	
111	MC	996	423	-0.67	17.46	0.000	0.65	0.98	0.321	-0.02	4.34	0.037	Uniform<
112	MC	996	423	-0.50	7.83	0.005	-0.79	1.65	0.199	0.00	0.24	0.627	Uniform<
113	MC	996	423	-0.62	19.50	0.000	0.72	1.65	0.199	-0.02	6.15	0.013	Uniform<
114	MC	996	423	-0.18	1.55	0.214	-0.16	0.09	0.764	0.00	0.00	0.965	
115	MC	996	423	-0.35	4.97	0.026	2.39	13.08	0.000	-0.04	19.28	0.000	NonUniform
116	MC	1048	433	-0.76	23.19	0.000	0.15	0.07	0.785	-0.01	2.96	0.086	Uniform<
117	MC	1048	433	-0.21	1.96	0.162	0.43	0.66	0.417	-0.01	1.57	0.210	
118	MC	1048	433	-0.58	14.57	0.000	0.55	0.65	0.420	-0.02	2.92	0.087	Uniform<
119	MC	1048	433	-0.39	7.42	0.006	1.59	6.24	0.012	-0.03	10.44	0.001	NonUniform
120	MC	1048	433	0.05	0.13	0.720	-0.36	0.46	0.500	0.01	0.65	0.419	
121	MC	1048	433	-0.19	1.81	0.178	-0.39	0.53	0.466	0.00	0.15	0.698	
122	MC	1048	433	-0.10	0.26	0.610	-0.34	0.28	0.595	0.00	0.15	0.695	
123	MC	1048	433	0.38	3.52	0.061	0.25	0.11	0.745	0.00	0.03	0.866	
124	MC	1048	433	-0.88	32.87	0.000	0.19	0.09	0.767	-0.02	3.12	0.077	Uniform<
125	MC	1048	433	-0.20	2.00	0.157	0.39	0.46	0.498	-0.01	1.12	0.291	
126	MC	1048	433	-0.21	1.26	0.261	-0.23	0.11	0.736	0.00	0.00	0.981	
127	MC	1048	433	-0.22	2.45	0.117	0.76	1.81	0.179	-0.02	3.25	0.072	
128	MC	1048	433	-0.45	8.63	0.003	1.36	3.35	0.067	-0.03	6.33	0.012	Uniform<
129	MC	1048	433	-0.41	7.38	0.007	0.33	0.21	0.646	-0.01	1.13	0.287	Uniform<
130	MC	1048	433	-0.41	6.83	0.009	-0.43	0.51	0.476	0.00	0.00	0.981	Uniform<
131	MC	1109	435	-0.45	4.17	0.041	-0.52	0.76	0.385	0.00	0.02	0.894	
132	MC	1109	435	-0.42	11.00	0.001	-0.03	0.00	0.950	-0.01	0.77	0.379	Uniform<
133	MC	1109	435	-0.34	4.54	0.033	-0.10	0.04	0.845	0.00	0.24	0.621	
134	MC	1109	435	-0.25	2.93	0.087	0.57	1.13	0.288	-0.01	2.49	0.114	
135	MC	1109	435	-0.35	7.17	0.007	0.41	0.67	0.414	-0.01	2.44	0.118	Uniform<
136	MC	1109	435	-0.09	0.26	0.610	0.51	0.56	0.453	-0.01	0.85	0.355	
137	MC	1109	435	-0.30	4.42	0.035	0.60	0.90	0.343	-0.01	2.16	0.142	
138	MC	1109	435	-0.18	1.43	0.232	0.49	0.54	0.462	-0.01	1.06	0.302	
139	MC	1109	435	-0.45	7.30	0.007	1.55	5.03	0.025	-0.03	8.88	0.003	NonUniform
140	MC	1109	435	-0.52	14.84	0.000	1.41	5.67	0.017	-0.03	11.55	0.001	NonUniform
141	MC	1109	435	-0.55	15.94	0.000	0.39	0.40	0.527	-0.01	2.51	0.113	Uniform<
142	MC	1109	435	-0.58	15.30	0.000	1.47	4.06	0.044	-0.03	8.46	0.004	NonUniform
143	MC	1109	435	-0.24	3.12	0.077	-0.26	0.25	0.614	0.00	0.00	0.971	
144	MC	1109	435	-0.25	3.56	0.059	1.44	6.95	0.008	-0.03	10.40	0.001	NonUniform
145	MC	1109	435	-0.14	0.69	0.407	0.15	0.06	0.814	0.00	0.23	0.635	
146	MC	1051	400	-0.58	14.78	0.000	1.88	10.41	0.001	-0.04	19.43	0.000	NonUniform
147	MC	1051	400	-0.35	6.10	0.013	1.21	4.99	0.025	-0.02	9.16	0.002	NonUniform
148	MC	1051	400	-0.37	4.74	0.029	-0.74	1.77	0.183	0.01	0.49	0.482	
149	MC	1051	400	-0.82	6.74	0.009	-1.60	4.12	0.042	0.02	1.27	0.260	Uniform<
150	MC	1051	400	-0.68	19.57	0.000	2.12	9.04	0.003	-0.04	17.05	0.000	NonUniform
151	MC	1051	400	-0.53	7.30	0.007	0.71	1.09	0.296	-0.02	3.59	0.058	Uniform<
152	MC	1051	400	-0.79	27.04	0.000	1.57	6.35	0.012	-0.04	15.99	0.000	NonUniform
153	MC	1051	400	-0.26	1.66	0.197	0.22	0.12	0.726	-0.01	0.65	0.421	
154	MC	1051	400	-0.03	0.03	0.866	1.04	2.57	0.109	-0.02	2.94	0.086	
155	MC	1051	400	0.23	1.02	0.312	0.61	0.85	0.355	-0.01	0.38	0.538	
156	MC	1051	400	-0.07	0.20	0.653	0.50	0.71	0.400	-0.01	0.99	0.320	
157	MC	1051	400	-0.31	3.11	0.078	-0.71	1.48	0.224	0.01	0.51	0.475	
158	MC	1051	400	-0.20	1.67	0.196	1.79	8.44	0.004	-0.03	11.35	0.001	NonUniform
159	MC	1051	400	-0.38	7.34	0.007	1.35	6.28	0.012	-0.03	11.35	0.001	NonUniform
160	MC	1051	400	-0.55	15.07	0.000	1.02	3.52	0.061	-0.02	9.22	0.002	NonUniform
161	ER	4204	1691	0.03	0.10	0.746	0.91	14.07	0.000	-0.01	14.95	0.000	NonUniform
162	ER	996	423	-0.14	0.94	0.331	0.69	2.14	0.144	-0.01	3.33	0.068	
163	ER	996	423	-0.16	1.02	0.313	0.53	1.22	0.270	-0.01	2.30	0.130	
164	ER	1048	433	0.21	1.94	0.164	0.25	0.26	0.610	0.00	0.01	0.934	
165	ER	1048	433	0.23	2.58	0.108	0.68	1.89	0.170	-0.01	0.92	0.337	
166	ER	1109	435	0.21	2.02	0.155	0.32	0.46	0.500	0.00	0.06	0.800	
167	ER	1109	435	0.00	0.00	0.986	-0.02	0.00	0.960	0.00	0.00	0.963	
168	ER	1051	400	-0.16	1.25	0.263	0.57	1.44	0.229	-0.01	2.59	0.108	
169	ER	1051	400	0.20	1.87	0.172	1.95	15.73	0.000	-0.03	13.77	0.000	NonUniform



**Table F.212: Logistic Regression DIF Results on Stage IV Writing Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL												
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF					Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	
Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.												

**Table F.213: Logistic Regression DIF Results on Stage IV Writing Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
98	MC	278	4204	0.03	0.04	0.833	-1.84	2.36	0.124	0.03	2.46	0.117	
99	MC	278	4204	0.55	3.92	0.048	-0.32	0.03	0.870	0.01	0.20	0.655	
100	MC	278	4204	0.28	4.54	0.033	2.47	7.14	0.008	-0.03	5.76	0.016	
101	MC	76	996	12.22	0.00	0.975	13.59	0.00	0.962	-0.09	0.00	0.982	
102	MC	76	996	-0.26	0.40	0.528	0.83	0.08	0.776	-0.02	0.14	0.705	
103	MC	76	996	0.28	1.07	0.300	-1.70	0.64	0.422	0.03	0.88	0.348	
104	MC	76	996	0.43	2.46	0.117	0.96	0.24	0.628	-0.01	0.07	0.787	
105	MC	76	996	1.63	2.54	0.111	-7.75	0.52	0.470	0.15	0.70	0.404	
106	MC	76	996	0.29	1.10	0.295	-2.65	1.25	0.263	0.04	1.55	0.214	
107	MC	76	996	-0.24	0.87	0.350	-0.66	0.13	0.719	0.01	0.05	0.816	
108	MC	76	996	0.57	0.87	0.350	4.03	0.80	0.371	-0.05	0.63	0.426	
109	MC	76	996	0.29	1.31	0.252	-5.56	5.84	0.016	0.08	6.54	0.011	
110	MC	76	996	-0.34	1.46	0.227	0.54	0.07	0.787	-0.01	0.20	0.656	
111	MC	76	996	-0.06	0.05	0.826	1.79	0.90	0.342	-0.03	0.99	0.319	
112	MC	76	996	0.56	1.98	0.159	-1.98	0.33	0.566	0.04	0.54	0.464	
113	MC	76	996	0.34	1.78	0.182	-4.03	3.72	0.054	0.06	4.44	0.035	
114	MC	76	996	-0.24	0.81	0.369	-2.05	1.03	0.310	0.03	0.81	0.367	
115	MC	76	996	-0.06	0.03	0.863	-0.66	0.09	0.766	0.01	0.08	0.782	
116	MC	74	1048	-0.03	0.02	0.902	-1.43	0.51	0.477	0.02	0.49	0.484	
117	MC	74	1048	-0.15	0.30	0.581	-3.50	2.62	0.106	0.05	2.40	0.121	
118	MC	74	1048	0.74	6.99	0.008	0.65	0.10	0.754	0.00	0.00	0.967	Uniform>
119	MC	74	1048	0.27	1.14	0.286	2.21	1.52	0.217	-0.03	1.19	0.275	
120	MC	74	1048	0.11	0.12	0.730	-1.06	0.21	0.650	0.02	0.25	0.615	
121	MC	74	1048	-0.03	0.01	0.907	-2.47	1.39	0.239	0.04	1.37	0.243	
122	MC	74	1048	0.36	0.54	0.463	-8.82	3.23	0.072	0.15	3.34	0.068	
123	MC	74	1048	0.86	1.99	0.159	-5.99	1.29	0.255	0.11	1.61	0.204	
124	MC	74	1048	0.47	2.98	0.084	-2.90	1.54	0.215	0.05	2.08	0.149	
125	MC	74	1048	0.31	1.50	0.221	0.08	0.00	0.966	0.00	0.02	0.899	
126	MC	74	1048	0.81	2.81	0.094	0.83	0.06	0.809	0.00	0.00	0.995	
127	MC	74	1048	0.21	0.60	0.437	-1.93	0.88	0.348	0.03	1.09	0.297	
128	MC	74	1048	0.61	4.80	0.028	1.27	0.39	0.530	-0.01	0.11	0.739	
129	MC	74	1048	0.31	1.45	0.229	-4.84	3.71	0.054	0.07	4.27	0.039	
130	MC	74	1048	0.07	0.06	0.804	-3.15	1.62	0.203	0.05	1.70	0.192	
131	MC	61	1109	0.31	0.26	0.607	-34.00	2.80	0.094	0.56	2.62	0.106	
132	MC	61	1109	0.91	8.60	0.003	-1.26	0.25	0.614	0.03	0.76	0.384	Uniform>
133	MC	61	1109	-0.07	0.04	0.851	-5.34	3.06	0.080	0.08	2.92	0.087	
134	MC	61	1109	0.23	0.51	0.474	-2.94	1.19	0.275	0.04	1.38	0.240	
135	MC	61	1109	0.20	0.53	0.466	1.16	0.27	0.601	-0.01	0.19	0.663	
136	MC	61	1109	0.38	0.60	0.439	3.44	0.83	0.361	-0.04	0.70	0.403	
137	MC	61	1109	-0.21	0.57	0.449	-7.88	6.03	0.014	0.11	5.78	0.016	
138	MC	61	1109	0.37	1.32	0.250	-0.21	0.01	0.936	0.01	0.05	0.823	
139	MC	61	1109	0.23	0.41	0.522	-2.43	0.68	0.409	0.04	0.81	0.367	
140	MC	61	1109	0.21	0.58	0.445	-4.59	3.12	0.077	0.07	3.46	0.063	
141	MC	61	1109	-0.16	0.32	0.571	-4.75	2.91	0.088	0.06	2.78	0.095	
142	MC	61	1109	0.24	0.67	0.415	-0.52	0.04	0.835	0.01	0.09	0.759	
143	MC	61	1109	0.32	1.09	0.297	-3.37	1.65	0.199	0.05	1.98	0.160	
144	MC	61	1109	0.06	0.05	0.831	-7.19	6.42	0.011	0.10	6.58	0.010	
145	MC	61	1109	-0.23	0.42	0.519	-2.80	0.85	0.355	0.04	0.72	0.397	
146	MC	67	1051	0.69	5.23	0.022	2.36	1.42	0.234	-0.02	0.74	0.391	
147	MC	67	1051	-0.65	4.34	0.037	-7.47	7.26	0.007	0.09	6.47	0.011	
148	MC	67	1051	0.09	0.08	0.782	0.00	0.00	1.000	0.00	0.00	0.966	
149	MC	67	1051	-0.11	0.03	0.864	-6.56	2.30	0.129	0.10	2.08	0.149	
150	MC	67	1051	0.80	7.66	0.006	0.90	0.22	0.637	0.00	0.00	0.957	Uniform>
151	MC	67	1051	1.10	4.25	0.039	0.89	0.07	0.790	0.00	0.00	0.948	
152	MC	67	1051	-0.20	0.33	0.568	-3.76	2.17	0.141	0.05	2.07	0.151	
153	MC	67	1051	0.42	0.75	0.387	1.79	0.35	0.556	-0.02	0.21	0.644	
154	MC	67	1051	0.37	0.93	0.335	0.77	0.10	0.754	-0.01	0.03	0.869	
155	MC	67	1051	0.59	0.65	0.422	3.22	0.47	0.493	-0.04	0.34	0.560	
156	MC	67	1051	-0.01	0.00	0.980	1.90	1.11	0.293	-0.03	1.13	0.288	
157	MC	67	1051	-0.42	1.78	0.182	3.00	2.30	0.129	-0.05	3.17	0.075	
158	MC	67	1051	0.17	0.34	0.562	-4.01	2.87	0.090	0.06	3.11	0.078	
159	MC	67	1051	0.02	0.01	0.933	-5.46	6.07	0.014	0.08	6.34	0.012	
160	MC	67	1051	0.12	0.17	0.679	-6.25	6.89	0.009	0.09	7.49	0.006	NonUniform
161	ER	278	4204	0.15	0.71	0.400	1.29	1.19	0.275	-0.02	0.94	0.332	
162	ER	76	996	0.34	1.36	0.244	2.78	2.03	0.154	-0.03	1.59	0.208	
163	ER	76	996	0.13	0.15	0.699	2.02	0.75	0.385	-0.03	0.67	0.413	
164	ER	74	1048	-0.09	0.07	0.792	5.76	5.57	0.018	-0.08	5.93	0.015	
165	ER	74	1048	0.30	1.04	0.309	3.82	3.31	0.069	-0.05	2.90	0.088	
166	ER	61	1109	-0.63	3.66	0.056	6.57	6.24	0.013	-0.10	7.70	0.006	NonUniform
167	ER	61	1109	-0.30	0.60	0.438	10.88	9.31	0.002	-0.15	10.36	0.001	NonUniform
168	ER	67	1051	0.15	0.28	0.596	0.12	0.00	0.950	0.00	0.00	0.983	
169	ER	67	1051	-0.05	0.03	0.863	2.67	1.84	0.175	-0.04	1.97	0.160	

**Table F.213: Logistic Regression DIF Results on Stage IV Writing Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL												
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF					Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	
Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.												

**Table F.214: Logistic Regression DIF Results on Stage IV Writing Items for the FRL/Non-FRL Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
98	MC	5085	777	-0.13	1.55	0.213	0.28	0.69	0.405	-0.01	1.58	0.209	
99	MC	5085	777	-0.24	3.42	0.065	-1.18	10.31	0.001	0.02	7.79	0.005	NonUniform
100	MC	5085	777	-0.10	1.43	0.232	0.89	6.43	0.011	-0.02	8.52	0.004	NonUniform
101	MC	1220	187	0.29	0.67	0.415	-0.25	0.07	0.790	0.01	0.39	0.531	
102	MC	1220	187	0.24	1.09	0.296	-0.40	0.35	0.552	0.01	1.03	0.311	
103	MC	1220	187	-0.07	0.13	0.716	-0.65	1.02	0.313	0.01	0.89	0.346	
104	MC	1220	187	-0.17	0.81	0.368	1.68	4.03	0.045	-0.03	5.12	0.024	
105	MC	1220	187	-0.18	0.36	0.547	-0.93	1.30	0.254	0.01	1.02	0.312	
106	MC	1220	187	-0.53	6.98	0.008	-0.82	1.12	0.290	0.00	0.15	0.695	Uniform<
107	MC	1220	187	0.08	0.24	0.624	-0.38	0.40	0.526	0.01	0.65	0.422	
108	MC	1220	187	-0.57	3.73	0.054	-1.29	2.47	0.116	0.01	0.90	0.343	
109	MC	1220	187	0.00	0.00	0.982	-0.61	0.96	0.328	0.01	1.04	0.308	
110	MC	1220	187	-0.19	0.85	0.355	1.30	2.56	0.110	-0.03	3.55	0.059	
111	MC	1220	187	0.05	0.05	0.818	0.75	0.79	0.374	-0.01	0.74	0.390	
112	MC	1220	187	0.03	0.02	0.898	-0.03	0.00	0.971	0.00	0.01	0.941	
113	MC	1220	187	-0.63	12.99	0.000	-0.42	0.43	0.513	0.00	0.11	0.738	Uniform<
114	MC	1220	187	-0.02	0.01	0.920	0.58	0.77	0.380	-0.01	0.88	0.347	
115	MC	1220	187	-0.49	7.75	0.005	1.75	5.15	0.023	-0.03	9.33	0.002	NonUniform
116	MC	1284	193	-0.71	11.66	0.001	-0.50	0.44	0.508	0.00	0.08	0.773	Uniform<
117	MC	1284	193	-0.24	1.62	0.203	-0.96	2.04	0.153	0.01	1.26	0.262	
118	MC	1284	193	-0.30	2.60	0.107	0.67	0.56	0.452	-0.01	1.24	0.266	
119	MC	1284	193	-0.62	13.20	0.000	0.94	1.52	0.217	-0.02	4.36	0.037	Uniform<
120	MC	1284	193	-0.19	0.96	0.326	-0.46	0.43	0.513	0.00	0.16	0.691	
121	MC	1284	193	0.10	0.34	0.559	3.03	12.59	0.000	-0.04	12.10	0.001	NonUniform
122	MC	1284	193	-0.05	0.05	0.828	0.45	0.21	0.643	-0.01	0.28	0.594	
123	MC	1284	193	0.14	0.33	0.567	-0.49	0.23	0.628	0.01	0.41	0.521	
124	MC	1284	193	-0.16	0.72	0.397	-0.77	1.04	0.307	0.01	0.70	0.401	
125	MC	1284	193	0.22	1.67	0.196	1.69	4.97	0.026	-0.02	4.03	0.045	
126	MC	1284	193	0.56	7.17	0.007	-0.26	0.09	0.759	0.01	1.01	0.314	Uniform>
127	MC	1284	193	-0.17	0.94	0.332	0.71	0.95	0.330	-0.01	1.54	0.214	
128	MC	1284	193	-0.40	4.47	0.034	0.94	0.95	0.329	-0.02	2.00	0.157	
129	MC	1284	193	0.13	0.50	0.479	2.68	6.71	0.010	-0.04	6.39	0.011	
130	MC	1284	193	-0.03	0.03	0.871	-0.10	0.02	0.894	0.00	0.01	0.923	
131	MC	1305	234	-0.44	3.15	0.076	-0.13	0.03	0.856	-0.01	0.23	0.634	
132	MC	1305	234	-0.19	1.58	0.208	-0.37	0.55	0.458	0.00	0.15	0.697	
133	MC	1305	234	0.15	0.77	0.382	-0.49	0.77	0.379	0.01	1.49	0.222	
134	MC	1305	234	0.12	0.59	0.443	-0.11	0.04	0.848	0.00	0.18	0.674	
135	MC	1305	234	0.03	0.03	0.867	0.43	0.57	0.450	-0.01	0.55	0.460	
136	MC	1305	234	-0.03	0.02	0.883	0.59	0.52	0.470	-0.01	0.61	0.435	
137	MC	1305	234	0.13	0.67	0.412	0.50	0.49	0.486	-0.01	0.28	0.600	
138	MC	1305	234	-0.03	0.04	0.842	0.58	0.55	0.460	-0.01	0.64	0.423	
139	MC	1305	234	0.28	2.52	0.113	1.29	2.60	0.107	-0.02	1.68	0.194	
140	MC	1305	234	-0.30	3.58	0.058	-0.36	0.34	0.560	0.00	0.01	0.924	
141	MC	1305	234	-0.09	0.30	0.586	0.56	0.62	0.432	-0.01	0.87	0.351	
142	MC	1305	234	-0.23	1.84	0.175	-0.32	0.18	0.671	0.00	0.02	0.901	
143	MC	1305	234	-0.01	0.00	0.947	0.47	0.65	0.421	-0.01	0.73	0.394	
144	MC	1305	234	-0.18	1.32	0.251	-0.42	0.58	0.448	0.00	0.21	0.647	
145	MC	1305	234	0.21	1.30	0.254	-0.23	0.11	0.740	0.01	0.42	0.516	
146	MC	1276	163	-0.04	0.04	0.833	0.78	1.14	0.286	-0.01	1.35	0.245	
147	MC	1276	163	-0.39	5.15	0.023	1.02	2.24	0.135	-0.02	4.67	0.031	
148	MC	1276	163	-0.44	3.86	0.050	-0.56	0.59	0.443	0.00	0.03	0.856	
149	MC	1276	163	-0.18	0.27	0.602	-2.23	5.93	0.015	0.04	6.76	0.009	NonUniform
150	MC	1276	163	-0.32	2.53	0.112	0.35	0.17	0.682	-0.01	0.63	0.426	
151	MC	1276	163	-0.05	0.04	0.841	1.60	2.48	0.115	-0.03	2.75	0.097	
152	MC	1276	163	-0.71	15.27	0.000	0.25	0.11	0.735	-0.01	1.80	0.180	Uniform<
153	MC	1276	163	-0.13	0.27	0.602	-0.30	0.14	0.710	0.00	0.05	0.827	
154	MC	1276	163	0.11	0.27	0.602	-0.15	0.04	0.851	0.00	0.12	0.729	
155	MC	1276	163	-0.32	1.03	0.311	-0.15	0.03	0.870	0.00	0.04	0.841	
156	MC	1276	163	-0.19	1.07	0.300	0.17	0.06	0.804	-0.01	0.29	0.590	
157	MC	1276	163	0.04	0.04	0.845	0.82	0.87	0.352	-0.01	0.83	0.363	
158	MC	1276	163	0.17	0.76	0.383	0.87	1.28	0.258	-0.01	0.89	0.345	
159	MC	1276	163	-0.47	7.12	0.008	-0.40	0.42	0.516	0.00	0.01	0.906	Uniform<
160	MC	1276	163	-0.30	2.91	0.088	1.55	4.28	0.039	-0.03	6.63	0.010	
161	ER	5085	777	0.00	0.00	0.987	0.77	8.04	0.005	-0.01	9.10	0.003	NonUniform
162	ER	1220	187	0.34	4.24	0.039	0.60	1.23	0.267	0.00	0.26	0.609	
163	ER	1220	187	0.06	0.13	0.718	-0.05	0.01	0.929	0.00	0.05	0.822	
164	ER	1284	193	0.05	0.08	0.776	-0.16	0.08	0.782	0.00	0.14	0.704	
165	ER	1284	193	-0.01	0.00	0.965	0.65	1.26	0.262	-0.01	1.41	0.235	
166	ER	1305	234	0.00	0.00	0.983	0.46	0.84	0.359	-0.01	0.95	0.329	
167	ER	1305	234	-0.07	0.16	0.687	-0.32	0.42	0.517	0.00	0.30	0.584	
168	ER	1276	163	0.17	0.96	0.327	1.56	7.08	0.008	-0.02	6.21	0.013	
169	ER	1276	163	0.24	1.73	0.188	1.87	10.45	0.001	-0.03	9.08	0.003	NonUniform

**Table F.214: Logistic Regression DIF Results on Stage IV Writing Items for the FRL/Non-FRL Comparison**

Focal Group: American Indian Language; Reference Group: English												
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF					Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	
Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.												

**Table F.215: Logistic Regression DIF Results on Stage IV Listening Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUUni}$	Wald	p-value	$\beta_2^{NUUni}$	Wald	p-value	
170	MC	1774	2429	-0.13	3.71	0.054	-0.02	0.01	0.940	0.00	0.14	0.704	Uniform<
171	MC	1774	2429	0.02	0.06	0.814	0.13	0.18	0.668	0.00	0.15	0.699	
172	MC	399	596	0.21	0.97	0.326	-1.18	2.14	0.144	0.03	3.16	0.075	
173	MC	399	596	0.11	0.72	0.395	0.03	0.00	0.955	0.00	0.02	0.889	
174	MC	399	596	-0.26	2.76	0.096	-0.70	1.13	0.288	0.01	0.47	0.491	
175	MC	399	596	-0.46	6.66	0.010	-0.72	0.66	0.418	0.00	0.09	0.766	
176	MC	399	596	0.08	0.36	0.550	0.69	1.21	0.271	-0.01	0.99	0.321	
177	MC	399	596	-0.17	1.19	0.274	0.49	0.48	0.486	-0.01	0.91	0.339	
178	MC	399	596	-0.24	1.90	0.168	-0.56	0.59	0.442	0.01	0.20	0.652	
179	MC	399	596	-0.10	0.56	0.453	-0.20	0.10	0.758	0.00	0.02	0.878	
180	MC	399	596	-0.04	0.04	0.832	0.58	0.55	0.457	-0.01	0.69	0.405	Uniform<
181	MC	399	596	-0.16	1.32	0.250	0.44	0.46	0.500	-0.01	0.90	0.343	
182	MC	399	596	-0.48	11.33	0.001	0.28	0.20	0.653	-0.01	1.58	0.209	
183	MC	444	604	-0.33	4.13	0.042	0.02	0.00	0.973	-0.01	0.26	0.612	
184	MC	444	604	-0.15	0.94	0.332	1.22	2.88	0.090	-0.02	3.75	0.053	
185	MC	444	604	-0.28	4.70	0.030	0.09	0.02	0.898	-0.01	0.31	0.578	
186	MC	444	604	0.01	0.01	0.938	-0.16	0.06	0.806	0.00	0.07	0.789	
187	MC	444	604	-0.24	3.56	0.059	-1.19	3.15	0.076	0.02	2.08	0.149	
188	MC	444	604	-0.26	4.06	0.044	-0.25	0.13	0.723	0.00	0.00	0.979	
189	MC	444	604	-0.05	0.10	0.750	-1.26	2.68	0.101	0.02	2.58	0.108	
190	MC	444	604	0.08	0.35	0.554	0.85	1.73	0.189	-0.01	1.49	0.222	Uniform>
191	MC	444	604	0.03	0.06	0.803	0.55	0.77	0.379	-0.01	0.72	0.398	
192	MC	444	604	0.27	2.71	0.099	1.21	2.77	0.096	-0.02	1.78	0.183	
193	MC	444	604	0.17	1.62	0.203	0.29	0.19	0.664	0.00	0.03	0.862	
194	MC	475	634	0.01	0.00	0.981	-0.17	0.04	0.843	0.00	0.05	0.829	
195	MC	475	634	-0.08	0.37	0.544	-0.79	1.47	0.225	0.01	1.24	0.265	
196	MC	475	634	-0.39	5.43	0.020	1.13	2.25	0.134	-0.03	4.26	0.039	
197	MC	475	634	0.13	1.12	0.291	-0.96	2.78	0.095	0.02	3.77	0.052	
198	MC	475	634	0.28	3.23	0.072	0.47	0.56	0.453	0.00	0.10	0.753	
199	MC	475	634	-0.03	0.07	0.794	-0.24	0.13	0.715	0.00	0.10	0.749	
200	MC	475	634	-0.31	5.74	0.017	-0.60	0.83	0.362	0.00	0.21	0.650	
201	MC	475	634	0.05	0.14	0.708	0.64	0.85	0.358	-0.01	0.75	0.387	
202	MC	475	634	0.59	6.35	0.012	0.10	0.02	0.902	0.01	0.38	0.540	
203	MC	475	634	0.61	14.86	0.000	0.48	0.57	0.451	0.00	0.05	0.823	
204	MC	475	634	-0.11	0.65	0.419	-0.24	0.17	0.684	0.00	0.05	0.824	
205	MC	456	595	-0.02	0.03	0.872	-0.55	0.82	0.365	0.01	0.80	0.371	
206	MC	456	595	-0.25	3.78	0.052	-0.28	0.25	0.620	0.00	0.00	0.952	
207	MC	456	595	-0.16	1.35	0.245	0.36	0.36	0.550	-0.01	0.79	0.375	
208	MC	456	595	-0.21	2.46	0.117	0.60	1.10	0.295	-0.01	2.12	0.145	
209	MC	456	595	-0.38	5.60	0.018	-0.86	1.88	0.170	0.01	0.62	0.431	
210	MC	456	595	0.07	0.27	0.605	0.01	0.00	0.984	0.00	0.01	0.922	
211	MC	456	595	0.50	2.41	0.121	1.45	2.17	0.140	-0.03	1.06	0.303	
212	MC	456	595	0.04	0.07	0.794	0.25	0.20	0.658	0.00	0.15	0.697	
213	MC	456	595	0.10	0.62	0.430	-0.25	0.17	0.679	0.01	0.36	0.547	
214	MC	456	595	0.17	0.88	0.348	-0.36	0.26	0.609	0.01	0.61	0.436	
215	MC	456	595	0.21	1.23	0.267	-0.02	0.00	0.981	0.00	0.12	0.730	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.216: Logistic Regression DIF Results on Stage IV Listening Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
170	MC	3137	1067	-0.06	0.51	0.475	0.02	0.01	0.937	0.00	0.07	0.788	
171	MC	3137	1067	-0.10	1.74	0.187	-0.06	0.03	0.853	0.00	0.02	0.895	
172	MC	780	216	0.19	0.64	0.424	0.25	0.10	0.754	0.00	0.01	0.937	
173	MC	780	216	0.03	0.03	0.867	-0.56	0.82	0.366	0.01	0.97	0.326	
174	MC	780	216	-0.11	0.34	0.557	0.71	1.03	0.309	-0.02	1.48	0.224	
175	MC	780	216	0.54	5.44	0.020	-0.50	0.29	0.593	0.02	1.26	0.261	
176	MC	780	216	-0.01	0.00	0.949	0.73	1.13	0.287	-0.01	1.24	0.265	
177	MC	780	216	0.07	0.16	0.689	0.27	0.12	0.724	0.00	0.07	0.791	
178	MC	780	216	0.07	0.10	0.748	-0.51	0.49	0.483	0.01	0.68	0.409	
179	MC	780	216	-0.17	1.01	0.314	-1.56	5.69	0.017	0.03	4.86	0.028	
180	MC	780	216	0.02	0.01	0.939	0.17	0.04	0.836	0.00	0.04	0.847	
181	MC	780	216	-0.41	5.39	0.020	-0.58	0.72	0.395	0.00	0.07	0.795	
182	MC	780	216	0.02	0.01	0.922	0.27	0.17	0.684	0.00	0.16	0.693	
183	MC	774	274	0.21	1.39	0.238	0.19	0.06	0.800	0.00	0.00	0.980	
184	MC	774	274	-0.06	0.13	0.719	1.43	3.26	0.071	-0.03	3.77	0.052	
185	MC	774	274	-0.17	1.36	0.243	0.38	0.28	0.596	-0.01	0.61	0.434	
186	MC	774	274	-0.14	0.90	0.343	0.44	0.42	0.517	-0.01	0.75	0.386	
187	MC	774	274	0.21	2.17	0.141	0.65	0.85	0.357	-0.01	0.40	0.525	
188	MC	774	274	0.08	0.27	0.606	-0.90	1.58	0.208	0.02	1.94	0.163	
189	MC	774	274	0.10	0.37	0.542	0.39	0.23	0.630	-0.01	0.14	0.712	
190	MC	774	274	-0.21	2.04	0.153	-0.89	1.73	0.189	0.01	1.07	0.302	
191	MC	774	274	0.18	1.59	0.207	1.57	4.91	0.027	-0.02	4.02	0.045	
192	MC	774	274	-0.09	0.24	0.626	-0.91	1.44	0.230	0.02	1.25	0.263	
193	MC	774	274	0.02	0.01	0.903	-0.28	0.17	0.683	0.01	0.20	0.655	
194	MC	816	293	-0.06	0.05	0.830	-0.88	1.06	0.304	0.02	1.04	0.308	
195	MC	816	293	0.06	0.17	0.682	-0.31	0.23	0.630	0.01	0.35	0.555	
196	MC	816	293	0.15	0.63	0.428	3.26	12.56	0.000	-0.06	11.79	0.001	NonUniform
197	MC	816	293	0.05	0.15	0.703	0.31	0.28	0.598	0.00	0.20	0.654	
198	MC	816	293	0.17	1.07	0.301	-0.09	0.02	0.890	0.00	0.19	0.667	
199	MC	816	293	0.14	0.89	0.345	1.02	2.14	0.144	-0.01	1.68	0.195	
200	MC	816	293	-0.12	0.64	0.423	-1.54	5.86	0.016	0.02	5.26	0.022	
201	MC	816	293	0.08	0.30	0.587	0.88	1.34	0.248	-0.01	1.15	0.283	
202	MC	816	293	0.37	2.61	0.106	0.24	0.09	0.768	0.00	0.03	0.868	
203	MC	816	293	-0.03	0.03	0.868	-0.94	2.27	0.132	0.02	2.32	0.128	
204	MC	816	293	-0.13	0.70	0.403	-0.83	1.87	0.171	0.01	1.42	0.233	
205	MC	767	284	-0.15	0.72	0.395	-0.16	0.07	0.792	0.00	0.00	0.977	
206	MC	767	284	-0.16	1.23	0.268	-1.01	3.10	0.078	0.02	2.33	0.127	
207	MC	767	284	0.00	0.00	0.982	0.18	0.08	0.774	0.00	0.09	0.763	
208	MC	767	284	-0.19	1.65	0.199	-0.92	2.56	0.110	0.01	1.71	0.191	
209	MC	767	284	-0.37	3.87	0.049	-1.57	6.04	0.014	0.03	3.92	0.048	
210	MC	767	284	-0.28	3.45	0.063	0.14	0.05	0.823	-0.01	0.49	0.485	
211	MC	767	284	-0.35	1.03	0.311	1.00	0.87	0.351	-0.04	1.67	0.197	
212	MC	767	284	-0.07	0.22	0.641	0.44	0.56	0.455	-0.01	0.82	0.365	
213	MC	767	284	-0.55	13.47	0.000	-0.59	0.94	0.332	0.00	0.01	0.942	Uniform<
214	MC	767	284	-0.36	3.00	0.083	0.42	0.31	0.576	-0.02	1.14	0.285	
215	MC	767	284	0.10	0.25	0.616	0.40	0.35	0.555	-0.01	0.21	0.645	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.217: Logistic Regression DIF Results on Stage IV Listening Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
170	MC	3137	1067	-0.06	0.51	0.475	0.02	0.01	0.937	0.00	0.07	0.788	
171	MC	3137	1067	-0.10	1.74	0.187	-0.06	0.03	0.853	0.00	0.02	0.895	
172	MC	780	216	0.19	0.64	0.424	0.25	0.10	0.754	0.00	0.01	0.937	
173	MC	780	216	0.03	0.03	0.867	-0.56	0.82	0.366	0.01	0.97	0.326	
174	MC	780	216	-0.11	0.34	0.557	0.71	1.03	0.309	-0.02	1.48	0.224	
175	MC	780	216	0.54	5.44	0.020	-0.50	0.29	0.593	0.02	1.26	0.261	
176	MC	780	216	-0.01	0.00	0.949	0.73	1.13	0.287	-0.01	1.24	0.265	
177	MC	780	216	0.07	0.16	0.689	0.27	0.12	0.724	0.00	0.07	0.791	
178	MC	780	216	0.07	0.10	0.748	-0.51	0.49	0.483	0.01	0.68	0.409	
179	MC	780	216	-0.17	1.01	0.314	-1.56	5.69	0.017	0.03	4.86	0.028	
180	MC	780	216	0.02	0.01	0.939	0.17	0.04	0.836	0.00	0.04	0.847	
181	MC	780	216	-0.41	5.39	0.020	-0.58	0.72	0.395	0.00	0.07	0.795	
182	MC	780	216	0.02	0.01	0.922	0.27	0.17	0.684	0.00	0.16	0.693	
183	MC	774	274	0.21	1.39	0.238	0.19	0.06	0.800	0.00	0.00	0.980	
184	MC	774	274	-0.06	0.13	0.719	1.43	3.26	0.071	-0.03	3.77	0.052	
185	MC	774	274	-0.17	1.36	0.243	0.38	0.28	0.596	-0.01	0.61	0.434	
186	MC	774	274	-0.14	0.90	0.343	0.44	0.42	0.517	-0.01	0.75	0.386	
187	MC	774	274	0.21	2.17	0.141	0.65	0.85	0.357	-0.01	0.40	0.525	
188	MC	774	274	0.08	0.27	0.606	-0.90	1.58	0.208	0.02	1.94	0.163	
189	MC	774	274	0.10	0.37	0.542	0.39	0.23	0.630	-0.01	0.14	0.712	
190	MC	774	274	-0.21	2.04	0.153	-0.89	1.73	0.189	0.01	1.07	0.302	
191	MC	774	274	0.18	1.59	0.207	1.57	4.91	0.027	-0.02	4.02	0.045	
192	MC	774	274	-0.09	0.24	0.626	-0.91	1.44	0.230	0.02	1.25	0.263	
193	MC	774	274	0.02	0.01	0.903	-0.28	0.17	0.683	0.01	0.20	0.655	
194	MC	816	293	-0.06	0.05	0.830	-0.88	1.06	0.304	0.02	1.04	0.308	
195	MC	816	293	0.06	0.17	0.682	-0.31	0.23	0.630	0.01	0.35	0.555	
196	MC	816	293	0.15	0.63	0.428	3.26	12.56	0.000	-0.06	11.79	0.001	NonUniform
197	MC	816	293	0.05	0.15	0.703	0.31	0.28	0.598	0.00	0.20	0.654	
198	MC	816	293	0.17	1.07	0.301	-0.09	0.02	0.890	0.00	0.19	0.667	
199	MC	816	293	0.14	0.89	0.345	1.02	2.14	0.144	-0.01	1.68	0.195	
200	MC	816	293	-0.12	0.64	0.423	-1.54	5.86	0.016	0.02	5.26	0.022	
201	MC	816	293	0.08	0.30	0.587	0.88	1.34	0.248	-0.01	1.15	0.283	
202	MC	816	293	0.37	2.61	0.106	0.24	0.09	0.768	0.00	0.03	0.868	
203	MC	816	293	-0.03	0.03	0.868	-0.94	2.27	0.132	0.02	2.32	0.128	
204	MC	816	293	-0.13	0.70	0.403	-0.83	1.87	0.171	0.01	1.42	0.233	
205	MC	767	284	-0.15	0.72	0.395	-0.16	0.07	0.792	0.00	0.00	0.977	
206	MC	767	284	-0.16	1.23	0.268	-1.01	3.10	0.078	0.02	2.33	0.127	
207	MC	767	284	0.00	0.00	0.982	0.18	0.08	0.774	0.00	0.09	0.763	
208	MC	767	284	-0.19	1.65	0.199	-0.92	2.56	0.110	0.01	1.71	0.191	
209	MC	767	284	-0.37	3.87	0.049	-1.57	6.04	0.014	0.03	3.92	0.048	
210	MC	767	284	-0.28	3.45	0.063	0.14	0.05	0.823	-0.01	0.49	0.485	
211	MC	767	284	-0.35	1.03	0.311	1.00	0.87	0.351	-0.04	1.67	0.197	
212	MC	767	284	-0.07	0.22	0.641	0.44	0.56	0.455	-0.01	0.82	0.365	
213	MC	767	284	-0.55	13.47	0.000	-0.59	0.94	0.332	0.00	0.01	0.942	Uniform<
214	MC	767	284	-0.36	3.00	0.083	0.42	0.31	0.576	-0.02	1.14	0.285	
215	MC	767	284	0.10	0.25	0.616	0.40	0.35	0.555	-0.01	0.21	0.645	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.218: Logistic Regression DIF Results on Stage IV Listening Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
				$\chi^2$				$\chi^2$			$\chi^2$		
170	MC	380	3824	-0.05	0.19	0.659	0.37	0.42	0.519	-0.01	0.57	0.452	
171	MC	380	3824	0.21	3.11	0.078	-1.41	4.67	0.031	0.03	6.32	0.012	
172	MC	50	946	1.10	2.26	0.133	-1.70	0.21	0.643	0.06	0.55	0.459	
173	MC	50	946	-0.16	0.29	0.591	-2.23	1.87	0.171	0.04	1.66	0.198	
174	MC	50	946	-0.29	0.78	0.378	0.89	0.30	0.584	-0.02	0.56	0.454	
175	MC	50	946	0.00	0.00	0.991	-2.86	1.45	0.228	0.05	1.57	0.210	
176	MC	50	946	0.01	0.00	0.983	0.12	0.01	0.941	0.00	0.01	0.943	
177	MC	50	946	-0.37	1.30	0.255	0.77	0.23	0.634	-0.02	0.52	0.472	
178	MC	50	946	0.01	0.00	0.979	-0.39	0.04	0.843	0.01	0.04	0.836	
179	MC	50	946	-0.57	3.63	0.057	-1.65	0.93	0.335	0.02	0.41	0.522	
180	MC	50	946	-0.09	0.04	0.838	0.20	0.01	0.930	-0.01	0.02	0.894	
181	MC	50	946	0.27	0.70	0.402	-1.19	0.44	0.506	0.03	0.68	0.409	
182	MC	50	946	0.23	0.45	0.503	0.56	0.11	0.736	-0.01	0.04	0.836	
183	MC	77	971	0.28	0.77	0.381	-1.76	1.10	0.295	0.04	1.50	0.220	
184	MC	77	971	-0.71	4.13	0.042	-4.05	3.06	0.080	0.06	2.27	0.132	
185	MC	77	971	-0.30	1.41	0.235	1.10	0.68	0.409	-0.02	1.12	0.289	
186	MC	77	971	-0.12	0.24	0.625	0.23	0.03	0.859	-0.01	0.07	0.785	
187	MC	77	971	-0.14	0.34	0.558	-0.44	0.10	0.749	0.01	0.05	0.826	
188	MC	77	971	-0.46	3.44	0.064	-1.23	0.63	0.429	0.01	0.25	0.617	
189	MC	77	971	0.28	1.06	0.303	1.46	1.09	0.295	-0.02	0.75	0.387	
190	MC	77	971	-0.08	0.11	0.745	-1.90	1.53	0.216	0.03	1.46	0.227	
191	MC	77	971	-0.26	1.20	0.273	-2.43	2.60	0.107	0.04	2.14	0.143	
192	MC	77	971	-0.08	0.09	0.768	-1.27	0.67	0.413	0.02	0.60	0.439	
193	MC	77	971	-0.18	0.54	0.463	0.88	0.47	0.492	-0.02	0.71	0.398	
194	MC	161	948	-0.23	0.37	0.541	-1.03	0.44	0.507	0.02	0.28	0.600	
195	MC	161	948	0.22	1.36	0.244	-0.29	0.08	0.773	0.01	0.26	0.608	
196	MC	161	948	-0.13	0.33	0.568	0.85	0.59	0.443	-0.02	0.83	0.362	
197	MC	161	948	-0.26	2.26	0.133	0.79	0.75	0.386	-0.02	1.38	0.241	
198	MC	161	948	-0.12	0.35	0.555	0.59	0.34	0.558	-0.01	0.53	0.466	
199	MC	161	948	-0.38	4.29	0.038	1.47	2.31	0.128	-0.03	3.72	0.054	
200	MC	161	948	-0.02	0.01	0.927	-1.03	0.94	0.331	0.02	0.95	0.330	
201	MC	161	948	-0.37	3.93	0.047	0.76	0.53	0.467	-0.02	1.18	0.277	
202	MC	161	948	-0.22	0.50	0.480	0.21	0.03	0.872	-0.01	0.12	0.734	
203	MC	161	948	0.16	0.53	0.467	-0.80	0.56	0.453	0.02	0.84	0.359	
204	MC	161	948	-0.11	0.29	0.591	0.76	0.62	0.429	-0.02	0.85	0.355	
205	MC	92	959	-0.17	0.42	0.518	0.25	0.04	0.842	-0.01	0.12	0.730	
206	MC	92	959	0.34	2.25	0.134	0.48	0.19	0.661	0.00	0.02	0.896	
207	MC	92	959	0.36	2.04	0.153	0.43	0.12	0.726	0.00	0.00	0.954	
208	MC	92	959	-0.31	1.54	0.215	-2.69	4.10	0.043	0.04	3.46	0.063	
209	MC	92	959	-0.17	0.36	0.549	-0.60	0.20	0.658	0.01	0.11	0.745	
210	MC	92	959	0.38	2.67	0.102	1.20	1.17	0.280	-0.01	0.57	0.450	
211	MC	92	959	0.50	0.44	0.505	-1.23	0.07	0.791	0.04	0.14	0.712	
212	MC	92	959	-0.06	0.07	0.793	1.59	1.97	0.161	-0.03	2.29	0.130	
213	MC	92	959	-0.13	0.32	0.573	0.64	0.32	0.569	-0.01	0.49	0.484	
214	MC	92	959	0.00	0.00	0.989	1.23	0.70	0.403	-0.02	0.75	0.387	
215	MC	92	959	1.07	5.16	0.023	1.58	0.52	0.470	-0.01	0.06	0.809	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.219: Logistic Regression DIF Results on Stage IV Listening Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NonUni}$	Wald $\chi^2$	p-value	$\beta_2^{NonUni}$	Wald $\chi^2$	p-value	
170	MC	1322	2880	0.13	3.27	0.070	0.87	6.64	0.010	-0.01	5.03	0.025	Uniform>
171	MC	1322	2880	-0.09	1.65	0.198	-0.07	0.03	0.852	0.00	0.01	0.940	
172	MC	325	671	-0.11	0.27	0.602	-0.03	0.00	0.974	0.00	0.01	0.925	
173	MC	325	671	-0.30	4.65	0.031	-1.48	4.73	0.030	0.02	3.13	0.077	
174	MC	325	671	-0.10	0.38	0.538	-0.16	0.05	0.829	0.00	0.01	0.934	
175	MC	325	671	0.13	0.52	0.472	0.83	0.83	0.361	-0.01	0.62	0.433	
176	MC	325	671	-0.21	2.06	0.151	-0.46	0.43	0.510	0.00	0.14	0.711	
177	MC	325	671	-0.07	0.22	0.639	-0.72	0.84	0.358	0.01	0.71	0.400	
178	MC	325	671	0.49	6.90	0.009	-0.83	0.92	0.337	0.03	2.43	0.119	
179	MC	325	671	-0.10	0.48	0.490	-1.86	5.96	0.015	0.03	5.54	0.019	
180	MC	325	671	-0.13	0.40	0.526	-1.93	4.38	0.036	0.04	3.93	0.047	Uniform<
181	MC	325	671	-0.01	0.01	0.934	0.36	0.25	0.616	-0.01	0.28	0.597	
182	MC	325	671	-0.15	1.03	0.310	-1.35	3.53	0.060	0.02	2.90	0.088	
183	MC	317	730	-0.15	0.79	0.373	-0.81	0.96	0.327	0.01	0.66	0.417	
184	MC	317	730	-0.05	0.09	0.766	0.08	0.01	0.925	0.00	0.02	0.875	
185	MC	317	730	0.16	1.33	0.248	0.12	0.03	0.873	0.00	0.00	0.951	
186	MC	317	730	-0.37	6.77	0.009	0.10	0.02	0.894	-0.01	0.44	0.509	
187	MC	317	730	0.03	0.03	0.855	-0.22	0.09	0.767	0.00	0.11	0.736	
188	MC	317	730	-0.07	0.27	0.604	-0.74	0.90	0.341	0.01	0.76	0.384	
189	MC	317	730	0.16	1.10	0.293	0.33	0.16	0.685	0.00	0.05	0.831	
190	MC	317	730	0.04	0.09	0.759	-0.56	0.56	0.454	0.01	0.68	0.411	NonUniform
191	MC	317	730	-0.09	0.38	0.537	0.63	0.82	0.365	-0.01	1.10	0.293	
192	MC	317	730	-0.15	0.82	0.364	0.55	0.49	0.484	-0.01	0.83	0.362	
193	MC	317	730	-0.10	0.50	0.481	-1.51	3.85	0.050	0.03	3.45	0.063	
194	MC	349	759	0.73	5.57	0.018	-0.01	0.00	0.996	0.02	0.48	0.491	
195	MC	349	759	-0.10	0.55	0.458	1.76	6.52	0.011	-0.03	7.61	0.006	
196	MC	349	759	0.13	0.57	0.449	-0.40	0.22	0.643	0.01	0.40	0.530	
197	MC	349	759	-0.11	0.65	0.418	-0.52	0.60	0.438	0.01	0.40	0.530	
198	MC	349	759	-0.22	1.93	0.165	-0.56	0.62	0.430	0.01	0.25	0.619	
199	MC	349	759	-0.10	0.57	0.452	0.45	0.39	0.533	-0.01	0.61	0.436	
200	MC	349	759	-0.01	0.00	0.961	0.65	0.82	0.366	-0.01	0.86	0.353	Uniform<
201	MC	349	759	-0.14	0.94	0.331	-1.45	2.91	0.088	0.02	2.47	0.116	
202	MC	349	759	-0.10	0.18	0.672	1.20	1.78	0.182	-0.03	2.24	0.134	
203	MC	349	759	-0.47	9.33	0.002	-0.62	0.77	0.382	0.00	0.05	0.831	
204	MC	349	759	0.15	0.96	0.328	0.76	1.20	0.273	-0.01	0.82	0.365	
205	MC	331	720	0.04	0.06	0.811	0.04	0.00	0.953	0.00	0.00	0.997	
206	MC	331	720	-0.10	0.50	0.481	-1.05	2.48	0.115	0.02	2.14	0.144	
207	MC	331	720	-0.24	2.76	0.096	0.94	2.01	0.156	-0.02	3.36	0.067	
208	MC	331	720	0.14	0.98	0.323	-0.33	0.25	0.615	0.01	0.55	0.460	
209	MC	331	720	-0.32	3.60	0.058	-0.39	0.30	0.583	0.00	0.01	0.919	
210	MC	331	720	-0.18	1.64	0.200	-0.22	0.11	0.741	0.00	0.00	0.950	
211	MC	331	720	0.69	3.36	0.067	1.83	1.96	0.161	-0.03	0.86	0.354	
212	MC	331	720	0.02	0.02	0.892	-0.17	0.07	0.797	0.00	0.09	0.767	
213	MC	331	720	-0.21	2.10	0.147	-0.52	0.56	0.455	0.01	0.21	0.649	
214	MC	331	720	-0.21	1.34	0.247	-0.25	0.10	0.751	0.00	0.00	0.962	
215	MC	331	720	0.16	0.67	0.413	1.65	4.19	0.041	-0.03	3.75	0.053	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.220: Logistic Regression DIF Results on Stage IV Listening Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
170	MC	3080	1124	0.02	0.07	0.786	0.30	0.93	0.335	-0.01	0.86	0.355	Uniform>
171	MC	3080	1124	-0.07	0.74	0.388	-0.35	1.12	0.289	0.01	0.78	0.376	
172	MC	769	227	0.07	0.09	0.765	0.98	1.29	0.256	-0.02	1.18	0.278	
173	MC	769	227	-0.29	3.37	0.066	0.43	0.43	0.513	-0.01	1.28	0.258	
174	MC	769	227	0.05	0.06	0.803	-0.48	0.47	0.494	0.01	0.60	0.437	
175	MC	769	227	0.61	7.18	0.007	-0.57	0.34	0.558	0.02	1.50	0.220	
176	MC	769	227	-0.06	0.14	0.712	-0.24	0.13	0.724	0.00	0.07	0.785	
177	MC	769	227	0.32	3.40	0.065	0.82	1.07	0.302	-0.01	0.41	0.520	
178	MC	769	227	-0.07	0.11	0.736	-0.19	0.06	0.807	0.00	0.03	0.871	
179	MC	769	227	-0.26	2.53	0.112	-1.22	3.21	0.073	0.02	2.12	0.145	
180	MC	769	227	-0.30	1.45	0.228	0.15	0.03	0.864	-0.01	0.28	0.596	Uniform<
181	MC	769	227	-0.69	14.99	0.000	-0.15	0.04	0.843	-0.01	0.57	0.450	
182	MC	769	227	0.12	0.49	0.486	0.26	0.14	0.705	0.00	0.05	0.829	
183	MC	776	272	0.35	3.87	0.049	-0.03	0.00	0.965	0.01	0.27	0.604	
184	MC	776	272	-0.08	0.22	0.643	1.31	2.63	0.105	-0.02	3.14	0.076	
185	MC	776	272	-0.05	0.14	0.707	-0.62	0.76	0.385	0.01	0.65	0.419	
186	MC	776	272	0.01	0.00	0.944	0.39	0.32	0.572	-0.01	0.32	0.573	
187	MC	776	272	0.25	2.85	0.091	0.67	0.86	0.353	-0.01	0.36	0.548	
188	MC	776	272	-0.12	0.67	0.415	-0.76	1.09	0.296	0.01	0.81	0.369	
189	MC	776	272	0.09	0.30	0.582	0.33	0.16	0.689	0.00	0.09	0.765	
190	MC	776	272	-0.24	2.66	0.103	-1.34	3.84	0.050	0.02	2.72	0.099	Uniform<
191	MC	776	272	0.05	0.11	0.742	1.48	4.25	0.039	-0.03	4.16	0.041	
192	MC	776	272	-0.38	4.19	0.041	-0.56	0.49	0.482	0.00	0.05	0.822	
193	MC	776	272	-0.02	0.02	0.879	-0.82	1.41	0.234	0.01	1.41	0.236	
194	MC	764	345	0.06	0.05	0.828	0.56	0.41	0.522	-0.01	0.36	0.548	
195	MC	764	345	0.04	0.07	0.788	0.36	0.30	0.582	-0.01	0.25	0.614	
196	MC	764	345	0.12	0.48	0.487	1.97	5.84	0.016	-0.04	5.36	0.021	
197	MC	764	345	0.19	2.00	0.157	0.18	0.10	0.753	0.00	0.00	0.989	
198	MC	764	345	0.07	0.18	0.670	-0.61	0.97	0.324	0.01	1.29	0.255	
199	MC	764	345	0.17	1.48	0.223	-0.26	0.16	0.685	0.01	0.46	0.497	
200	MC	764	345	-0.12	0.73	0.393	-1.23	3.75	0.053	0.02	3.21	0.073	Uniform<
201	MC	764	345	0.27	3.56	0.059	0.33	0.21	0.650	0.00	0.01	0.930	
202	MC	764	345	0.40	3.14	0.076	-0.34	0.18	0.669	0.02	0.93	0.336	
203	MC	764	345	0.12	0.53	0.465	-0.71	1.33	0.249	0.02	1.93	0.165	
204	MC	764	345	-0.31	3.89	0.048	-0.53	0.77	0.381	0.00	0.15	0.703	
205	MC	771	280	-0.13	0.59	0.443	-0.38	0.35	0.552	0.01	0.16	0.688	
206	MC	771	280	-0.23	2.53	0.112	-1.12	3.64	0.056	0.02	2.43	0.119	
207	MC	771	280	0.16	1.11	0.293	-0.13	0.04	0.840	0.01	0.22	0.636	
208	MC	771	280	0.11	0.49	0.486	-1.28	4.60	0.032	0.03	5.73	0.017	
209	MC	771	280	-0.31	2.77	0.096	-0.98	2.23	0.135	0.01	1.14	0.285	
210	MC	771	280	-0.26	2.93	0.087	-0.67	1.17	0.279	0.01	0.47	0.494	Uniform<
211	MC	771	280	-0.14	0.18	0.673	0.16	0.02	0.877	-0.01	0.09	0.758	
212	MC	771	280	-0.06	0.13	0.713	0.26	0.19	0.661	-0.01	0.31	0.578	
213	MC	771	280	-0.43	8.18	0.004	-0.68	1.19	0.275	0.00	0.17	0.682	
214	MC	771	280	-0.03	0.03	0.863	-0.11	0.02	0.882	0.00	0.01	0.915	
215	MC	771	280	-0.06	0.10	0.750	0.16	0.05	0.821	0.00	0.11	0.738	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.221: Logistic Regression DIF Results on Stage IV Listening Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NonUni}$	Wald $\chi^2$	p-value	$\beta_2^{NonUni}$	Wald $\chi^2$	p-value	
170	MC	3080	465	-0.04	0.13	0.719	0.15	0.08	0.773	0.00	0.14	0.708	
171	MC	3080	465	-0.02	0.04	0.848	-0.38	0.54	0.461	0.01	0.51	0.476	
172	MC	769	95	0.08	0.05	0.822	0.05	0.00	0.970	0.00	0.00	0.983	
173	MC	769	95	-0.23	1.04	0.307	0.54	0.29	0.590	-0.01	0.62	0.430	
174	MC	769	95	0.20	0.63	0.429	-1.84	3.07	0.080	0.04	4.12	0.042	
175	MC	769	95	0.68	3.84	0.050	1.15	0.40	0.525	-0.01	0.07	0.792	
176	MC	769	95	-0.10	0.17	0.677	0.00	0.00	0.999	0.00	0.01	0.921	
177	MC	769	95	0.30	1.48	0.223	0.24	0.05	0.830	0.00	0.00	0.960	
178	MC	769	95	-0.32	1.07	0.301	-0.28	0.05	0.821	0.00	0.00	0.972	
179	MC	769	95	-0.20	0.74	0.390	-0.65	0.38	0.536	0.01	0.19	0.661	
180	MC	769	95	-0.79	3.50	0.061	-1.37	0.83	0.363	0.01	0.16	0.687	
181	MC	769	95	-0.69	7.33	0.007	0.74	0.39	0.532	-0.03	1.50	0.220	Uniform<
182	MC	769	95	0.19	0.67	0.412	0.48	0.21	0.644	-0.01	0.08	0.776	
183	MC	776	102	0.46	3.09	0.079	0.72	0.28	0.596	0.00	0.04	0.847	
184	MC	776	102	-0.12	0.25	0.620	2.16	2.16	0.142	-0.04	2.55	0.110	
185	MC	776	102	-0.02	0.01	0.915	-0.71	0.34	0.559	0.01	0.33	0.567	
186	MC	776	102	0.31	1.97	0.160	-0.21	0.03	0.864	0.01	0.19	0.665	
187	MC	776	102	0.11	0.28	0.598	-0.49	0.17	0.679	0.01	0.27	0.604	
188	MC	776	102	-0.29	1.72	0.190	0.66	0.24	0.622	-0.02	0.52	0.469	
189	MC	776	102	0.25	1.14	0.286	1.01	0.52	0.472	-0.01	0.30	0.583	
190	MC	776	102	-0.14	0.41	0.522	0.29	0.05	0.817	-0.01	0.12	0.729	
191	MC	776	102	-0.21	0.91	0.339	2.60	3.84	0.050	-0.05	4.58	0.032	Uniform>
192	MC	776	102	-0.01	0.00	0.979	0.57	0.16	0.685	-0.01	0.17	0.677	
193	MC	776	102	-0.10	0.17	0.682	-1.12	0.85	0.357	0.02	0.74	0.389	
194	MC	764	167	0.09	0.05	0.817	0.63	0.22	0.641	-0.01	0.17	0.678	
195	MC	764	167	-0.06	0.10	0.752	0.75	0.51	0.477	-0.01	0.61	0.436	
196	MC	764	167	-0.20	0.63	0.427	0.81	0.45	0.501	-0.02	0.73	0.392	
197	MC	764	167	0.36	4.23	0.040	-0.71	0.64	0.425	0.02	1.50	0.220	
198	MC	764	167	-0.04	0.03	0.853	-1.65	2.68	0.102	0.03	2.73	0.098	
199	MC	764	167	0.35	3.71	0.054	-1.17	1.50	0.221	0.02	2.58	0.108	
200	MC	764	167	-0.08	0.21	0.648	-1.12	1.34	0.248	0.02	1.18	0.277	
201	MC	764	167	0.40	4.75	0.029	0.83	0.50	0.481	-0.01	0.14	0.713	
202	MC	764	167	0.56	3.39	0.066	-1.27	1.18	0.277	0.04	2.66	0.103	
203	MC	764	167	0.20	0.91	0.341	-1.22	1.57	0.210	0.02	2.27	0.132	
204	MC	764	167	-0.41	3.69	0.055	-1.58	2.50	0.114	0.02	1.45	0.229	
205	MC	771	101	-0.26	0.91	0.339	-1.45	1.67	0.196	0.02	1.23	0.267	
206	MC	771	101	-0.37	2.80	0.095	-1.57	2.58	0.109	0.02	1.59	0.207	
207	MC	771	101	0.35	2.35	0.125	-0.13	0.01	0.905	0.01	0.21	0.647	
208	MC	771	101	0.70	6.85	0.009	-1.29	1.22	0.270	0.04	2.90	0.089	
209	MC	771	101	-0.06	0.05	0.819	-1.46	1.66	0.198	0.03	1.65	0.199	
210	MC	771	101	-0.18	0.64	0.424	-0.79	0.59	0.441	0.01	0.37	0.541	
211	MC	771	101	0.05	0.01	0.929	-2.04	1.11	0.292	0.05	1.37	0.243	
212	MC	771	101	-0.12	0.23	0.631	-0.42	0.16	0.690	0.01	0.09	0.766	
213	MC	771	101	-0.11	0.24	0.623	1.16	0.94	0.333	-0.02	1.19	0.276	
214	MC	771	101	0.22	0.61	0.436	-0.14	0.01	0.913	0.01	0.09	0.768	
215	MC	771	101	-0.56	2.32	0.128	-2.87	3.06	0.080	0.04	2.28	0.131	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.222: Logistic Regression DIF Results on Stage IV Listening Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
170	MC	659	465	-0.09	0.41	0.520	-0.20	0.12	0.731	0.00	0.04	0.845	
171	MC	659	465	0.06	0.22	0.638	-0.07	0.02	0.897	0.00	0.06	0.808	
172	MC	132	95	0.01	0.00	0.980	-1.48	0.95	0.331	0.03	1.05	0.305	
173	MC	132	95	0.10	0.11	0.738	0.19	0.02	0.875	0.00	0.01	0.938	
174	MC	132	95	0.26	0.68	0.409	-2.22	3.11	0.078	0.05	4.18	0.041	
175	MC	132	95	0.15	0.13	0.722	2.45	1.48	0.223	-0.04	1.42	0.234	
176	MC	132	95	-0.06	0.04	0.836	0.36	0.09	0.764	-0.01	0.13	0.719	
177	MC	132	95	-0.04	0.02	0.885	-0.96	0.47	0.492	0.02	0.45	0.501	
178	MC	132	95	-0.41	1.26	0.261	-0.17	0.01	0.905	-0.01	0.03	0.858	
179	MC	132	95	0.12	0.18	0.674	0.89	0.55	0.458	-0.01	0.44	0.508	
180	MC	132	95	-0.79	2.58	0.108	-2.22	1.66	0.198	0.03	0.77	0.380	
181	MC	132	95	0.00	0.00	0.998	1.34	0.96	0.327	-0.03	1.02	0.313	
182	MC	132	95	0.13	0.21	0.646	0.36	0.09	0.768	0.00	0.04	0.850	
183	MC	170	102	0.14	0.22	0.640	0.96	0.42	0.515	-0.01	0.32	0.573	
184	MC	170	102	0.00	0.00	0.987	1.16	0.51	0.475	-0.02	0.54	0.464	
185	MC	170	102	0.03	0.01	0.922	-0.13	0.01	0.923	0.00	0.01	0.906	
186	MC	170	102	0.52	3.78	0.052	-0.99	0.54	0.464	0.03	1.28	0.258	
187	MC	170	102	-0.20	0.57	0.450	-1.61	1.43	0.232	0.02	1.14	0.286	
188	MC	170	102	-0.30	1.33	0.249	1.96	1.88	0.171	-0.04	2.59	0.107	
189	MC	170	102	0.28	0.97	0.324	0.84	0.29	0.592	-0.01	0.13	0.718	
190	MC	170	102	0.10	0.16	0.694	2.13	2.48	0.115	-0.03	2.35	0.125	
191	MC	170	102	-0.36	1.82	0.177	1.60	1.21	0.271	-0.03	1.88	0.171	
192	MC	170	102	0.63	3.32	0.069	1.27	0.66	0.418	-0.01	0.18	0.675	
193	MC	170	102	-0.16	0.35	0.555	-0.35	0.07	0.790	0.00	0.02	0.883	
194	MC	178	167	0.13	0.07	0.789	0.04	0.00	0.979	0.00	0.00	0.951	
195	MC	178	167	-0.18	0.53	0.466	0.67	0.33	0.564	-0.01	0.56	0.454	
196	MC	178	167	-0.44	1.87	0.171	-1.48	1.10	0.295	0.02	0.57	0.451	
197	MC	178	167	0.37	2.59	0.108	-1.49	2.26	0.133	0.03	3.69	0.055	
198	MC	178	167	-0.28	1.07	0.302	-1.33	1.53	0.216	0.02	1.03	0.310	
199	MC	178	167	0.36	2.24	0.135	-1.57	2.10	0.147	0.03	3.28	0.070	
200	MC	178	167	-0.01	0.00	0.972	0.16	0.02	0.877	0.00	0.03	0.867	
201	MC	178	167	0.29	1.42	0.233	0.58	0.20	0.653	0.00	0.05	0.820	
202	MC	178	167	0.21	0.34	0.561	-1.72	1.72	0.190	0.04	2.32	0.128	
203	MC	178	167	0.07	0.07	0.792	-0.78	0.56	0.456	0.02	0.71	0.400	
204	MC	178	167	-0.23	0.71	0.399	-1.37	1.62	0.203	0.02	1.21	0.271	
205	MC	179	101	-0.21	0.47	0.494	-1.37	1.28	0.258	0.02	0.99	0.319	
206	MC	179	101	-0.24	0.87	0.350	-0.57	0.29	0.590	0.01	0.10	0.747	
207	MC	179	101	0.29	1.11	0.292	-0.08	0.00	0.949	0.01	0.10	0.749	
208	MC	179	101	0.82	7.33	0.007	-0.12	0.01	0.923	0.02	0.61	0.436	Uniform>
209	MC	179	101	0.34	1.07	0.301	-0.77	0.39	0.531	0.02	0.88	0.348	
210	MC	179	101	0.11	0.18	0.674	-0.20	0.03	0.859	0.01	0.08	0.776	
211	MC	179	101	0.35	0.32	0.573	-3.23	2.31	0.129	0.09	3.21	0.073	
212	MC	179	101	-0.08	0.08	0.784	-0.89	0.61	0.436	0.02	0.54	0.461	
213	MC	179	101	0.51	3.63	0.057	2.27	3.25	0.071	-0.03	2.09	0.149	
214	MC	179	101	0.41	1.41	0.235	-0.20	0.02	0.885	0.01	0.21	0.644	
215	MC	179	101	-0.71	3.03	0.082	-3.46	4.17	0.041	0.05	3.07	0.080	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.223: Logistic Regression DIF Results on Stage IV Listening Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
					$\chi^2$			$\chi^2$			$\chi^2$		
170	MC	86	465	0.06	0.06	0.807	1.76	1.47	0.226	-0.03	1.43	0.231	
171	MC	86	465	0.43	2.61	0.106	0.34	0.05	0.823	0.00	0.00	0.953	
172	MC	3	95	10.58	0.00	0.980	10.54	0.00	0.995	-0.05	0.00	0.999	
173	MC	3	95	12.32	0.00	0.978	10.56	0.00	0.993	-0.03	0.00	0.999	
174	MC	3	95	-0.33	0.07	0.795	-326.43	0.05	0.819	5.12	0.05	0.819	
175	MC	3	95	-11.57	0.00	0.980	-6.19	0.00	0.998	-0.04	0.00	0.999	
176	MC	3	95	-0.55	0.19	0.665	-319.18	0.06	0.812	5.01	0.06	0.812	
177	MC	3	95	11.94	0.00	0.979	12.22	0.00	0.992	-0.07	0.00	0.997	
178	MC	3	95	11.29	0.00	0.985	11.70	0.00	0.994	-0.07	0.00	0.998	
179	MC	3	95	12.34	0.00	0.977	11.30	0.00	0.992	-0.05	0.00	0.998	
180	MC	3	95	10.26	0.00	0.985	10.92	0.00	0.996	-0.06	0.00	0.999	
181	MC	3	95	11.42	0.00	0.982	12.60	0.00	0.993	-0.08	0.00	0.997	
182	MC	3	95	12.18	0.00	0.979	11.10	0.00	0.993	-0.04	0.00	0.998	
183	MC	33	102	0.88	2.22	0.136	6.06	2.39	0.122	-0.09	1.92	0.166	
184	MC	33	102	-0.30	0.34	0.560	-3.42	0.73	0.393	0.05	0.63	0.427	
185	MC	33	102	-0.37	0.78	0.376	2.14	0.68	0.411	-0.04	0.94	0.332	
186	MC	33	102	0.16	0.16	0.693	-1.06	0.16	0.691	0.02	0.22	0.642	
187	MC	33	102	-0.47	1.27	0.261	-6.31	3.23	0.072	0.10	2.87	0.090	
188	MC	33	102	-0.48	1.29	0.256	-1.40	0.22	0.637	0.02	0.10	0.754	
189	MC	33	102	0.66	1.90	0.168	-1.72	0.28	0.600	0.04	0.54	0.464	
190	MC	33	102	-0.71	2.63	0.105	0.68	0.06	0.810	-0.02	0.25	0.620	
191	MC	33	102	-0.77	3.12	0.077	-2.47	0.60	0.438	0.03	0.29	0.588	
192	MC	33	102	0.31	0.32	0.569	-3.55	0.95	0.330	0.07	1.11	0.292	
193	MC	33	102	0.09	0.05	0.831	0.44	0.03	0.870	-0.01	0.02	0.896	
194	MC	39	167	0.88	0.65	0.421	5.73	1.01	0.316	-0.09	0.87	0.351	
195	MC	39	167	-0.27	0.49	0.484	-4.03	1.77	0.184	0.06	1.57	0.210	
196	MC	39	167	-0.57	1.45	0.229	-4.37	1.74	0.187	0.07	1.34	0.248	
197	MC	39	167	-0.14	0.13	0.714	-0.95	0.20	0.651	0.01	0.16	0.694	
198	MC	39	167	-0.79	4.05	0.044	-6.41	5.30	0.021	0.10	4.14	0.042	
199	MC	39	167	0.77	4.56	0.033	0.33	0.03	0.872	0.01	0.05	0.823	
200	MC	39	167	-0.43	1.23	0.268	-3.69	1.88	0.171	0.05	1.52	0.217	
201	MC	39	167	-0.12	0.10	0.757	-4.43	1.60	0.206	0.07	1.55	0.214	
202	MC	39	167	-0.25	0.23	0.633	-2.71	0.86	0.354	0.05	0.71	0.399	
203	MC	39	167	-0.07	0.03	0.860	-1.54	0.44	0.507	0.03	0.41	0.523	
204	MC	39	167	0.35	0.50	0.478	-0.12	0.00	0.963	0.01	0.03	0.856	
205	MC	11	101	-0.42	0.32	0.570	1.16	0.14	0.713	-0.03	0.27	0.603	
206	MC	11	101	-1.80	4.75	0.029	-8.11	2.15	0.142	0.10	1.38	0.240	
207	MC	11	101	2.00	3.41	0.065	5.25	1.32	0.251	-0.06	0.61	0.437	
208	MC	11	101	0.94	1.90	0.168	-1.28	0.19	0.666	0.04	0.60	0.438	
209	MC	11	101	0.10	0.01	0.906	-0.20	0.00	0.961	0.01	0.01	0.942	
210	MC	11	101	0.72	1.00	0.316	4.97	2.52	0.112	-0.07	2.09	0.148	
211	MC	11	101	10.75	0.00	0.973	11.18	0.00	0.974	-0.06	0.00	0.992	
212	MC	11	101	0.45	0.29	0.588	-0.21	0.00	0.961	0.01	0.02	0.875	
213	MC	11	101	-0.55	0.52	0.473	-2.73	0.39	0.535	0.04	0.25	0.615	
214	MC	11	101	0.00	0.00	1.000	2.06	0.25	0.619	-0.04	0.27	0.604	
215	MC	11	101	0.00	0.00	0.998	-0.33	0.00	0.945	0.01	0.00	0.945	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.224: Logistic Regression DIF Results on Stage IV Listening Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NonUni}$	Wald $\chi^2$	p-value	$\beta_2^{NonUni}$	Wald $\chi^2$	p-value	
170	MC	4204	1691	-0.53	37.49	0.000	0.68	5.72	0.017	-0.02	19.62	0.000	NonUniform
171	MC	4204	1691	-0.10	1.71	0.191	0.17	0.36	0.551	0.00	1.00	0.318	
172	MC	996	423	0.39	3.28	0.070	0.39	0.41	0.524	0.00	0.00	0.992	
173	MC	996	423	-0.51	11.50	0.001	0.60	1.37	0.241	-0.02	5.16	0.023	Uniform<
174	MC	996	423	0.43	6.68	0.010	1.44	6.28	0.012	-0.02	3.40	0.065	
175	MC	996	423	-0.92	35.93	0.000	1.10	2.65	0.103	-0.03	9.64	0.002	
176	MC	996	423	-0.04	0.07	0.785	0.42	0.59	0.441	-0.01	0.79	0.375	NonUniform
177	MC	996	423	0.20	1.33	0.249	0.29	0.21	0.649	0.00	0.02	0.890	
178	MC	996	423	-0.22	1.09	0.297	0.11	0.03	0.860	-0.01	0.32	0.572	
179	MC	996	423	-0.41	6.66	0.010	0.19	0.11	0.738	-0.01	1.21	0.272	Uniform<
180	MC	996	423	0.28	1.47	0.226	0.84	1.56	0.212	-0.01	0.78	0.377	
181	MC	996	423	0.14	0.86	0.354	-0.41	0.61	0.435	0.01	1.19	0.275	
182	MC	996	423	-0.03	0.04	0.848	-0.72	2.02	0.155	0.01	2.05	0.153	NonUniform
183	MC	1048	433	0.45	6.42	0.011	1.14	3.33	0.068	-0.01	1.31	0.253	
184	MC	1048	433	-0.67	22.14	0.000	0.74	1.67	0.196	-0.02	6.55	0.010	
185	MC	1048	433	-0.03	0.04	0.839	0.77	1.71	0.191	-0.01	1.98	0.160	Uniform<
186	MC	1048	433	-0.62	19.73	0.000	1.07	3.65	0.056	-0.03	9.75	0.002	
187	MC	1048	433	-0.39	7.57	0.006	0.37	0.44	0.509	-0.01	1.99	0.159	
188	MC	1048	433	-0.38	6.16	0.013	0.46	0.55	0.457	-0.01	1.97	0.160	NonUniform
189	MC	1048	433	-0.01	0.00	0.945	0.11	0.03	0.873	0.00	0.03	0.855	
190	MC	1048	433	-0.21	2.27	0.132	0.61	1.16	0.282	-0.01	2.25	0.134	
191	MC	1048	433	0.37	7.80	0.005	-1.20	5.86	0.015	0.02	10.74	0.001	NonUniform
192	MC	1048	433	0.08	0.19	0.662	0.77	1.41	0.234	-0.01	1.23	0.267	
193	MC	1048	433	-0.24	2.45	0.118	-0.36	0.42	0.517	0.00	0.05	0.831	
194	MC	1109	435	0.86	10.99	0.001	0.81	1.23	0.267	0.00	0.00	0.948	Uniform>
195	MC	1109	435	-0.56	12.56	0.000	-0.19	0.11	0.740	-0.01	0.47	0.493	
196	MC	1109	435	-0.20	0.87	0.351	-0.47	0.49	0.484	0.01	0.18	0.670	
197	MC	1109	435	0.03	0.07	0.794	0.22	0.21	0.650	0.00	0.16	0.690	NonUniform
198	MC	1109	435	-0.02	0.01	0.913	-1.00	3.68	0.055	0.02	3.98	0.046	
199	MC	1109	435	-0.22	2.76	0.097	-0.51	0.95	0.329	0.00	0.33	0.567	
200	MC	1109	435	-0.52	15.01	0.000	-0.08	0.02	0.877	-0.01	0.70	0.402	Uniform<
201	MC	1109	435	-0.22	2.51	0.113	-0.27	0.22	0.640	0.00	0.01	0.926	
202	MC	1109	435	0.17	0.46	0.500	-1.02	2.36	0.124	0.03	3.79	0.052	
203	MC	1109	435	0.13	0.59	0.442	0.40	0.56	0.455	0.00	0.29	0.592	NonUniform
204	MC	1109	435	-0.17	1.07	0.302	0.66	1.52	0.218	-0.01	2.62	0.105	
205	MC	1051	400	-0.09	0.25	0.618	-0.51	0.80	0.371	0.01	0.60	0.438	
206	MC	1051	400	-0.07	0.24	0.622	0.84	2.29	0.130	-0.01	2.94	0.086	Uniform<
207	MC	1051	400	-0.13	0.61	0.437	-0.28	0.23	0.631	0.00	0.07	0.795	
208	MC	1051	400	-0.14	0.94	0.333	0.92	2.89	0.089	-0.02	4.21	0.040	
209	MC	1051	400	-0.73	9.26	0.002	-0.34	0.26	0.612	-0.01	0.40	0.526	NonUniform
210	MC	1051	400	-0.07	0.20	0.655	-0.44	0.68	0.408	0.01	0.53	0.466	
211	MC	1051	400	0.40	1.25	0.263	0.30	0.10	0.753	0.00	0.01	0.911	
212	MC	1051	400	-0.33	3.44	0.064	0.20	0.13	0.722	-0.01	1.00	0.317	NonUniform
213	MC	1051	400	-0.47	10.61	0.001	1.21	4.20	0.040	-0.03	8.88	0.003	
214	MC	1051	400	0.18	0.68	0.409	-0.60	0.87	0.352	0.02	1.69	0.194	
215	MC	1051	400	-0.56	4.84	0.028	0.06	0.01	0.934	-0.01	0.91	0.341	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.225: Logistic Regression DIF Results on Stage IV Listening Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
170	MC	278	4204	0.70	12.30	0.000	0.25	0.03	0.859	0.01	0.10	0.751	Uniform>
171	MC	278	4204	0.10	0.41	0.523	-1.11	0.89	0.346	0.02	1.07	0.302	
172	MC	76	996	0.23	0.14	0.705	-2.70	0.28	0.595	0.04	0.33	0.568	
173	MC	76	996	0.07	0.06	0.809	-1.64	0.65	0.419	0.02	0.71	0.399	
174	MC	76	996	0.01	0.00	0.983	0.81	0.10	0.758	-0.01	0.10	0.756	
175	MC	76	996	0.68	6.52	0.011	-2.72	1.78	0.182	0.05	2.87	0.090	
176	MC	76	996	0.10	0.10	0.755	1.74	0.62	0.430	-0.02	0.58	0.448	
177	MC	76	996	-0.55	2.93	0.087	-0.05	0.00	0.982	-0.01	0.04	0.833	
178	MC	76	996	-0.44	1.14	0.285	-7.00	2.97	0.085	0.10	2.51	0.113	
179	MC	76	996	0.31	1.01	0.314	-6.78	4.62	0.032	0.11	4.91	0.027	
180	MC	76	996	0.42	0.32	0.574	0.78	0.02	0.893	-0.01	0.00	0.950	
181	MC	76	996	0.03	0.01	0.915	0.70	0.09	0.759	-0.01	0.09	0.767	
182	MC	76	996	-0.03	0.01	0.920	3.24	2.22	0.136	-0.05	2.39	0.122	
183	MC	74	1048	0.28	0.40	0.527	-1.57	0.24	0.624	0.03	0.33	0.564	
184	MC	74	1048	0.05	0.03	0.872	1.74	0.72	0.397	-0.02	0.68	0.409	
185	MC	74	1048	0.04	0.02	0.876	-3.15	2.18	0.140	0.05	2.26	0.133	
186	MC	74	1048	0.07	0.08	0.776	-2.78	1.96	0.162	0.04	2.09	0.148	
187	MC	74	1048	0.00	0.00	0.999	-1.57	0.63	0.427	0.02	0.64	0.424	
188	MC	74	1048	-0.55	4.50	0.034	-2.11	1.07	0.301	0.02	0.60	0.440	
189	MC	74	1048	0.35	0.92	0.337	-0.87	0.10	0.753	0.02	0.20	0.658	Uniform<
190	MC	74	1048	-0.35	1.94	0.163	-1.26	0.44	0.509	0.01	0.23	0.632	
191	MC	74	1048	-0.71	7.89	0.005	-0.69	0.14	0.708	0.00	0.00	0.990	
192	MC	74	1048	0.37	0.68	0.410	-1.54	0.23	0.634	0.03	0.35	0.556	
193	MC	74	1048	-0.02	0.01	0.941	-5.08	3.67	0.056	0.08	3.59	0.058	
194	MC	61	1109	-1.03	1.82	0.178	5.70	0.87	0.351	-0.10	1.36	0.243	
195	MC	61	1109	-0.07	0.05	0.815	-3.01	1.23	0.268	0.04	1.17	0.280	
196	MC	61	1109	-0.30	0.37	0.543	-1.43	0.13	0.715	0.02	0.08	0.773	
197	MC	61	1109	-0.14	0.27	0.600	3.02	1.86	0.172	-0.04	2.07	0.150	
198	MC	61	1109	0.05	0.02	0.900	-1.29	0.16	0.694	0.02	0.17	0.681	
199	MC	61	1109	0.14	0.23	0.629	-2.73	1.25	0.264	0.04	1.39	0.239	NonUniform
200	MC	61	1109	0.45	2.44	0.118	-7.60	6.13	0.013	0.11	6.88	0.009	
201	MC	61	1109	0.14	0.23	0.631	-2.75	1.15	0.284	0.04	1.28	0.259	
202	MC	61	1109	-0.98	2.36	0.124	-17.95	2.77	0.096	0.28	2.29	0.130	
203	MC	61	1109	-0.77	5.15	0.023	-8.58	6.37	0.012	0.11	5.16	0.023	
204	MC	61	1109	-0.28	0.66	0.416	-4.31	2.26	0.133	0.06	1.95	0.162	
205	MC	67	1051	-0.68	3.98	0.046	-1.18	0.28	0.596	0.01	0.05	0.821	
206	MC	67	1051	-0.10	0.13	0.716	0.66	0.14	0.709	-0.01	0.19	0.664	
207	MC	67	1051	0.07	0.04	0.845	-0.11	0.00	0.961	0.00	0.01	0.937	
208	MC	67	1051	0.38	2.00	0.157	-4.23	4.17	0.041	0.06	5.08	0.024	
209	MC	67	1051	-0.23	0.29	0.587	0.61	0.05	0.819	-0.01	0.10	0.747	
210	MC	67	1051	-0.12	0.18	0.667	0.93	0.25	0.617	-0.02	0.33	0.565	
211	MC	67	1051	-1.67	4.34	0.037	-0.92	0.04	0.835	-0.01	0.03	0.861	
212	MC	67	1051	0.30	0.64	0.426	1.61	0.44	0.507	-0.02	0.30	0.581	
213	MC	67	1051	-0.22	0.65	0.422	-2.69	1.78	0.182	0.03	1.55	0.213	
214	MC	67	1051	-0.46	0.84	0.358	1.03	0.11	0.735	-0.02	0.25	0.615	
215	MC	67	1051	-0.37	0.75	0.385	-2.30	0.72	0.395	0.03	0.51	0.476	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.0005 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.226: Logistic Regression DIF Results on Stage IV Listening Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
170	MC	5085	777	-0.10	0.93	0.334	0.88	5.63	0.018	-0.02	7.42	0.006	NonUniform
171	MC	5085	777	-0.07	0.53	0.465	0.04	0.01	0.910	0.00	0.11	0.743	
172	MC	1220	187	-0.33	1.06	0.303	-0.64	0.58	0.447	0.01	0.17	0.683	
173	MC	1220	187	-0.13	0.50	0.479	0.71	1.21	0.271	-0.01	1.85	0.173	
174	MC	1220	187	0.30	2.13	0.145	0.26	0.16	0.692	0.00	0.00	0.950	
175	MC	1220	187	-0.43	5.51	0.019	1.39	2.41	0.121	-0.03	4.39	0.036	
176	MC	1220	187	-0.10	0.25	0.615	-0.02	0.00	0.971	0.00	0.01	0.904	
177	MC	1220	187	-0.03	0.02	0.880	0.28	0.12	0.729	-0.01	0.16	0.687	
178	MC	1220	187	-0.26	0.90	0.343	0.71	0.65	0.422	-0.02	1.30	0.253	
179	MC	1220	187	-0.38	3.56	0.059	-0.81	1.49	0.222	0.01	0.46	0.499	
180	MC	1220	187	0.57	4.36	0.037	1.68	3.26	0.071	-0.02	1.54	0.214	
181	MC	1220	187	-0.26	1.65	0.199	0.03	0.00	0.966	0.00	0.20	0.654	
182	MC	1220	187	0.17	0.86	0.354	0.56	0.81	0.367	-0.01	0.42	0.516	
183	MC	1284	193	0.00	0.00	0.998	-0.24	0.08	0.777	0.00	0.09	0.767	
184	MC	1284	193	-0.39	5.42	0.020	0.08	0.01	0.905	-0.01	0.51	0.474	
185	MC	1284	193	-0.19	1.27	0.260	-0.41	0.38	0.539	0.00	0.11	0.736	
186	MC	1284	193	-0.19	1.25	0.264	0.92	1.62	0.204	-0.02	2.48	0.115	
187	MC	1284	193	-0.26	2.19	0.139	1.58	3.88	0.049	-0.03	5.46	0.019	
188	MC	1284	193	-0.01	0.00	0.975	2.20	5.46	0.019	-0.03	5.63	0.018	
189	MC	1284	193	-0.02	0.01	0.939	0.57	0.36	0.546	-0.01	0.40	0.525	Uniform<
190	MC	1284	193	-0.45	6.80	0.009	-1.67	6.88	0.009	0.02	3.98	0.046	
191	MC	1284	193	-0.04	0.07	0.798	-0.52	0.79	0.376	0.01	0.72	0.396	
192	MC	1284	193	0.26	1.31	0.252	2.02	3.84	0.050	-0.03	3.00	0.083	
193	MC	1284	193	0.28	2.37	0.124	-0.08	0.01	0.904	0.01	0.31	0.578	
194	MC	1305	234	-0.16	0.25	0.614	0.35	0.15	0.698	-0.01	0.36	0.550	
195	MC	1305	234	-0.07	0.16	0.687	0.10	0.02	0.884	0.00	0.07	0.794	
196	MC	1305	234	-0.21	0.83	0.361	0.23	0.08	0.782	-0.01	0.30	0.586	
197	MC	1305	234	-0.09	0.41	0.521	-0.11	0.05	0.831	0.00	0.00	0.975	
198	MC	1305	234	-0.11	0.32	0.571	-0.67	1.35	0.245	0.01	1.08	0.298	
199	MC	1305	234	-0.34	5.03	0.025	-0.95	3.05	0.081	0.01	1.35	0.245	
200	MC	1305	234	-0.12	0.60	0.439	-0.17	0.08	0.774	0.00	0.01	0.928	
201	MC	1305	234	0.09	0.28	0.596	0.18	0.07	0.789	0.00	0.02	0.885	
202	MC	1305	234	0.45	3.16	0.076	-0.07	0.01	0.927	0.01	0.51	0.473	
203	MC	1305	234	-0.03	0.03	0.857	0.22	0.12	0.727	0.00	0.18	0.670	
204	MC	1305	234	0.25	1.95	0.162	0.08	0.02	0.887	0.00	0.09	0.767	
205	MC	1276	163	0.22	0.89	0.345	-0.43	0.37	0.541	0.01	0.96	0.328	
206	MC	1276	163	-0.04	0.04	0.838	0.84	1.36	0.244	-0.01	1.59	0.207	
207	MC	1276	163	-0.07	0.12	0.732	-0.12	0.02	0.878	0.00	0.00	0.955	
208	MC	1276	163	-0.15	0.70	0.402	0.50	0.61	0.436	-0.01	1.11	0.293	
209	MC	1276	163	-0.47	2.50	0.114	0.62	0.44	0.509	-0.02	1.43	0.232	
210	MC	1276	163	0.01	0.00	0.958	0.74	1.01	0.316	-0.01	1.05	0.305	
211	MC	1276	163	0.20	0.19	0.665	0.25	0.04	0.836	0.00	0.00	0.961	
212	MC	1276	163	-0.26	1.32	0.250	-0.17	0.05	0.817	0.00	0.02	0.883	
213	MC	1276	163	-0.48	6.61	0.010	1.07	1.79	0.181	-0.02	3.97	0.046	
214	MC	1276	163	-0.05	0.04	0.851	-0.78	0.85	0.357	0.01	0.85	0.358	
215	MC	1276	163	0.08	0.08	0.783	-0.02	0.00	0.977	0.00	0.02	0.893	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.227: Logistic Regression DIF Results on Stage IV Speaking Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
216	SA4	1774	2429	-0.22	13.90	0.000	-0.14	0.31	0.575	0.00	0.09	0.765	Uniform<
217	SA4	399	596	0.01	0.01	0.908	-0.16	0.07	0.789	0.00	0.09	0.765	
218	SA4	399	596	0.04	0.10	0.747	-0.63	1.33	0.249	0.01	1.59	0.208	
219	SA4	399	596	-0.20	2.55	0.110	0.44	0.64	0.425	-0.01	1.39	0.238	Uniform<
220	SA4	399	596	-0.24	3.87	0.049	-0.12	0.04	0.833	0.00	0.05	0.831	
221	SA4	444	604	-0.21	3.08	0.079	-0.16	0.08	0.776	0.00	0.01	0.930	
222	SA4	444	604	-0.18	2.23	0.135	-0.13	0.06	0.814	0.00	0.01	0.930	Uniform<
223	SA4	444	604	-0.12	0.96	0.327	-1.15	4.09	0.043	0.02	3.44	0.064	
224	SA4	444	604	-0.27	5.22	0.022	-1.09	3.64	0.056	0.01	2.14	0.144	
225	SA4	475	634	-0.13	1.18	0.278	0.33	0.42	0.519	-0.01	0.84	0.360	Uniform<
226	SA4	475	634	-0.22	3.37	0.066	-0.83	2.54	0.111	0.01	1.44	0.230	
227	SA4	475	634	-0.46	15.03	0.000	-0.75	1.89	0.170	0.01	0.30	0.581	
228	SA4	475	634	-0.15	1.83	0.176	-0.24	0.20	0.652	0.00	0.03	0.863	NonUniform
229	SA4	456	595	-0.07	0.38	0.536	-0.27	0.28	0.594	0.00	0.16	0.687	
230	SA4	456	595	-0.21	3.26	0.071	-1.26	6.65	0.010	0.02	4.92	0.026	
231	SA4	456	595	0.11	0.96	0.326	1.57	10.58	0.001	-0.03	9.59	0.002	Uniform<
232	SA4	456	595	-0.09	0.54	0.462	-0.97	3.66	0.056	0.02	3.22	0.073	
233	SA4	1774	2429	-0.08	1.70	0.193	-0.80	5.89	0.015	0.01	5.00	0.025	
234	SA4	399	596	-0.35	8.43	0.004	-1.06	3.15	0.076	0.01	1.50	0.221	Uniform<
235	SA4	399	596	-0.37	9.07	0.003	-0.65	1.16	0.282	0.00	0.22	0.635	
236	SA4	399	596	-0.16	1.73	0.188	-1.28	5.46	0.019	0.02	4.36	0.037	
237	SA4	444	604	-0.20	2.74	0.098	-0.70	1.48	0.225	0.01	0.78	0.377	Uniform<
238	SA4	444	604	-0.43	13.52	0.000	-0.39	0.42	0.517	0.00	0.00	0.944	
239	SA4	444	604	-0.43	14.11	0.000	-1.09	3.86	0.049	0.01	1.48	0.224	
240	SA4	475	634	-0.06	0.28	0.595	-0.49	0.91	0.341	0.01	0.73	0.393	Uniform<
241	SA4	475	634	-0.55	23.05	0.000	-1.77	10.25	0.001	0.02	5.05	0.025	
242	SA4	475	634	-0.22	3.86	0.049	0.11	0.05	0.829	-0.01	0.43	0.514	
243	SA4	456	595	-0.19	2.59	0.108	-0.46	0.90	0.343	0.01	0.34	0.561	Uniform<
244	SA4	456	595	-0.37	10.05	0.002	-0.87	2.96	0.086	0.01	1.03	0.310	
245	SA4	456	595	-0.47	16.52	0.000	-0.87	2.71	0.099	0.01	0.59	0.444	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.228: Logistic Regression DIF Results on Stage IV Speaking Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
216	SA4	3137	1067	0.17	6.71	0.010	0.10	0.13	0.717	0.00	0.09	0.766	Uniform>
217	SA4	780	216	0.03	0.03	0.866	0.37	0.37	0.543	-0.01	0.34	0.558	
218	SA4	780	216	0.24	2.55	0.110	0.75	1.66	0.197	-0.01	0.83	0.361	
219	SA4	780	216	0.01	0.00	0.950	0.48	0.64	0.422	-0.01	0.66	0.416	
220	SA4	780	216	0.18	1.56	0.211	0.86	1.82	0.177	-0.01	1.20	0.273	
221	SA4	774	274	0.22	2.63	0.105	0.08	0.02	0.895	0.00	0.06	0.812	
222	SA4	774	274	0.42	9.52	0.002	-0.05	0.01	0.927	0.01	0.68	0.410	Uniform>
223	SA4	774	274	0.39	8.32	0.004	0.88	2.14	0.143	-0.01	0.69	0.406	Uniform>
224	SA4	774	274	0.12	0.90	0.344	-0.26	0.19	0.667	0.01	0.42	0.516	
225	SA4	816	293	0.04	0.09	0.760	0.98	3.41	0.065	-0.02	3.35	0.067	
226	SA4	816	293	0.28	4.28	0.038	1.37	6.61	0.010	-0.02	4.43	0.035	
227	SA4	816	293	0.13	0.90	0.343	0.39	0.50	0.477	0.00	0.25	0.617	
228	SA4	816	293	0.10	0.62	0.432	-0.07	0.02	0.892	0.00	0.11	0.745	
229	SA4	767	284	0.54	17.08	0.000	0.91	2.91	0.088	-0.01	0.52	0.472	Uniform>
230	SA4	767	284	0.39	9.14	0.003	0.79	2.42	0.120	-0.01	0.65	0.419	Uniform>
231	SA4	767	284	0.24	3.40	0.065	1.54	9.21	0.002	-0.02	7.01	0.008	NonUniform
232	SA4	767	284	0.32	5.88	0.015	1.76	10.62	0.001	-0.03	7.73	0.005	NonUniform
233	SA4	3137	1067	0.04	0.32	0.574	0.00	0.00	0.995	0.00	0.01	0.915	
234	SA4	780	216	0.06	0.20	0.652	-0.42	0.47	0.494	0.01	0.66	0.416	
235	SA4	780	216	-0.18	1.48	0.224	0.20	0.10	0.749	-0.01	0.38	0.537	
236	SA4	780	216	0.00	0.00	0.999	0.88	2.32	0.127	-0.02	2.46	0.117	
237	SA4	774	274	0.24	3.06	0.080	1.05	2.93	0.087	-0.01	1.82	0.177	
238	SA4	774	274	-0.04	0.12	0.729	-0.53	0.73	0.393	0.01	0.64	0.424	
239	SA4	774	274	0.17	1.75	0.185	0.73	1.55	0.214	-0.01	0.96	0.327	
240	SA4	816	293	0.04	0.08	0.776	-0.40	0.58	0.447	0.01	0.74	0.391	
241	SA4	816	293	0.03	0.04	0.836	1.63	8.17	0.004	-0.03	8.29	0.004	NonUniform
242	SA4	816	293	-0.06	0.25	0.615	0.14	0.07	0.796	0.00	0.15	0.698	
243	SA4	767	284	0.33	6.46	0.011	0.92	3.23	0.072	-0.01	1.41	0.235	
244	SA4	767	284	0.05	0.17	0.681	0.47	0.82	0.365	-0.01	0.70	0.403	
245	SA4	767	284	0.43	10.90	0.001	1.69	8.89	0.003	-0.02	5.28	0.022	Uniform>

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.229: Logistic Regression DIF Results on Stage IV Speaking Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUUni}$	Wald $\chi^2$	p-value	
216	SA4	380	3824	-0.03	0.09	0.765	-0.04	0.01	0.942	0.00	0.00	0.989	
217	SA4	50	946	0.30	1.17	0.280	0.59	0.16	0.693	-0.01	0.04	0.844	
218	SA4	50	946	0.10	0.13	0.723	-0.43	0.09	0.758	0.01	0.15	0.699	
219	SA4	50	946	0.24	0.78	0.377	1.54	1.24	0.266	-0.02	0.92	0.337	
220	SA4	50	946	-0.38	1.89	0.169	0.28	0.04	0.841	-0.01	0.24	0.628	
221	SA4	77	971	0.46	4.01	0.045	1.34	1.27	0.259	-0.02	0.57	0.452	
222	SA4	77	971	-0.12	0.29	0.587	-1.03	0.77	0.380	0.02	0.63	0.427	
223	SA4	77	971	0.39	2.88	0.090	0.88	0.56	0.456	-0.01	0.18	0.671	
224	SA4	77	971	-0.10	0.19	0.663	1.52	1.73	0.188	-0.03	2.00	0.157	
225	SA4	161	948	-0.04	0.05	0.826	-1.00	1.37	0.242	0.02	1.31	0.252	
226	SA4	161	948	-0.02	0.01	0.926	0.64	0.53	0.468	-0.01	0.58	0.447	
227	SA4	161	948	0.15	0.80	0.370	-0.27	0.10	0.753	0.01	0.25	0.616	
228	SA4	161	948	-0.30	3.67	0.055	-0.44	0.27	0.601	0.00	0.03	0.866	
229	SA4	92	959	-0.28	1.97	0.161	0.38	0.16	0.690	-0.01	0.50	0.481	
230	SA4	92	959	-0.01	0.00	0.965	-0.92	0.90	0.342	0.02	0.92	0.338	
231	SA4	92	959	-0.10	0.25	0.616	-0.35	0.14	0.710	0.00	0.07	0.790	
232	SA4	92	959	0.29	1.99	0.158	1.97	4.15	0.042	-0.03	3.19	0.074	
233	SA4	380	3824	-0.47	20.59	0.000	-1.12	3.15	0.076	0.01	1.11	0.293	Uniform<
234	SA4	50	946	0.37	2.03	0.154	1.57	1.38	0.240	-0.02	0.84	0.360	
235	SA4	50	946	0.23	0.70	0.404	1.10	0.64	0.422	-0.02	0.43	0.514	
236	SA4	50	946	0.01	0.00	0.966	2.26	2.66	0.103	-0.04	2.66	0.103	
237	SA4	77	971	0.18	0.59	0.443	-0.32	0.07	0.785	0.01	0.18	0.669	
238	SA4	77	971	0.39	3.20	0.074	0.41	0.12	0.725	0.00	0.00	0.981	
239	SA4	77	971	0.27	1.55	0.213	0.80	0.50	0.479	-0.01	0.23	0.635	
240	SA4	161	948	-0.38	5.93	0.015	-0.14	0.03	0.865	0.00	0.09	0.759	
241	SA4	161	948	0.32	3.79	0.051	0.90	1.12	0.290	-0.01	0.48	0.489	
242	SA4	161	948	0.21	1.89	0.170	0.60	0.54	0.463	-0.01	0.23	0.635	
243	SA4	92	959	-0.16	0.65	0.422	0.64	0.45	0.502	-0.01	0.73	0.394	
244	SA4	92	959	0.11	0.27	0.602	-1.08	1.26	0.261	0.02	1.61	0.205	
245	SA4	92	959	0.32	2.55	0.110	-0.69	0.45	0.501	0.02	1.01	0.316	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.230: Logistic Regression DIF Results on Stage IV Speaking Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
216	SA4	1322	2880	0.33	27.57	0.000	1.08	13.49	0.000	-0.01	6.85	0.009	NonUniform
217	SA4	325	671	-0.02	0.03	0.856	-0.09	0.02	0.898	0.00	0.01	0.925	
218	SA4	325	671	0.32	5.73	0.017	1.51	5.95	0.015	-0.02	3.92	0.048	
219	SA4	325	671	0.37	7.95	0.005	2.43	15.02	0.000	-0.04	11.28	0.001	NonUniform
220	SA4	325	671	0.64	23.84	0.000	1.70	7.20	0.007	-0.02	2.93	0.087	Uniform>
221	SA4	317	730	0.69	26.59	0.000	1.33	4.19	0.041	-0.01	1.01	0.316	Uniform>
222	SA4	317	730	0.39	8.52	0.004	0.46	0.53	0.466	0.00	0.02	0.901	Uniform>
223	SA4	317	730	0.43	10.22	0.001	2.43	13.89	0.000	-0.04	9.92	0.002	NonUniform
224	SA4	317	730	0.45	12.18	0.000	1.96	9.46	0.002	-0.03	5.84	0.016	Uniform>
225	SA4	349	759	0.62	23.38	0.000	2.42	15.54	0.000	-0.03	8.97	0.003	NonUniform
226	SA4	349	759	0.77	34.58	0.000	1.80	8.32	0.004	-0.02	2.83	0.093	Uniform>
227	SA4	349	759	0.73	32.85	0.000	2.91	22.02	0.000	-0.04	13.03	0.000	NonUniform
228	SA4	349	759	0.23	3.62	0.057	1.26	4.32	0.038	-0.02	2.99	0.084	
229	SA4	331	720	0.58	22.39	0.000	0.02	0.00	0.966	0.01	1.03	0.309	Uniform>
230	SA4	331	720	0.55	19.54	0.000	0.91	2.74	0.098	-0.01	0.45	0.500	Uniform>
231	SA4	331	720	0.21	2.80	0.094	0.27	0.25	0.616	0.00	0.02	0.899	
232	SA4	331	720	0.42	11.18	0.001	1.11	3.94	0.047	-0.01	1.61	0.204	Uniform>
233	SA4	1322	2880	0.18	7.66	0.006	0.72	4.21	0.040	-0.01	2.51	0.113	Uniform>
234	SA4	325	671	0.48	14.36	0.000	-0.25	0.15	0.700	0.01	1.32	0.250	Uniform>
235	SA4	325	671	0.57	19.10	0.000	0.65	1.01	0.315	0.00	0.02	0.892	Uniform>
236	SA4	325	671	0.64	24.32	0.000	2.62	17.73	0.000	-0.04	10.63	0.001	NonUniform
237	SA4	317	730	0.02	0.03	0.868	0.58	0.80	0.372	-0.01	0.77	0.379	
238	SA4	317	730	0.42	11.03	0.001	0.31	0.22	0.642	0.00	0.03	0.855	Uniform>
239	SA4	317	730	0.27	4.55	0.033	1.29	4.42	0.036	-0.02	2.89	0.089	
240	SA4	349	759	0.26	4.69	0.030	0.65	1.21	0.271	-0.01	0.45	0.502	
241	SA4	349	759	0.88	48.81	0.000	3.90	40.08	0.000	-0.05	25.24	0.000	NonUniform
242	SA4	349	759	0.60	24.92	0.000	1.26	4.56	0.033	-0.01	1.30	0.255	Uniform>
243	SA4	331	720	0.49	15.26	0.000	0.89	2.58	0.108	-0.01	0.55	0.459	Uniform>
244	SA4	331	720	0.19	2.42	0.120	0.53	0.91	0.339	-0.01	0.39	0.531	
245	SA4	331	720	0.65	27.22	0.000	1.06	3.34	0.068	-0.01	0.51	0.475	Uniform>

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.231: Logistic Regression DIF Results on Stage IV Speaking Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
216	SA4	3080	1124	0.19	8.40	0.004	0.19	0.50	0.481	0.00	0.00	0.996	Uniform>
217	SA4	769	227	0.10	0.45	0.504	0.24	0.14	0.704	0.00	0.05	0.817	
218	SA4	769	227	0.25	3.01	0.083	0.33	0.30	0.581	0.00	0.02	0.895	
219	SA4	769	227	-0.14	0.99	0.321	-0.95	2.53	0.111	0.01	1.94	0.164	
220	SA4	769	227	0.03	0.03	0.856	-0.28	0.20	0.653	0.01	0.26	0.613	
221	SA4	776	272	0.01	0.01	0.929	-0.25	0.18	0.675	0.00	0.20	0.656	
222	SA4	776	272	0.32	5.55	0.018	-0.23	0.14	0.705	0.01	0.88	0.348	
223	SA4	776	272	0.32	5.48	0.019	0.86	1.98	0.159	-0.01	0.81	0.367	
224	SA4	776	272	0.12	0.86	0.354	-0.41	0.47	0.492	0.01	0.82	0.366	
225	SA4	764	345	0.00	0.00	0.970	0.43	0.68	0.410	-0.01	0.73	0.391	
226	SA4	764	345	0.25	3.54	0.060	1.36	6.65	0.010	-0.02	4.73	0.030	Uniform>
227	SA4	764	345	0.23	3.23	0.072	0.36	0.44	0.505	0.00	0.07	0.796	
228	SA4	764	345	0.10	0.65	0.420	-0.30	0.31	0.576	0.01	0.58	0.448	
229	SA4	771	280	0.35	7.25	0.007	0.49	0.82	0.367	0.00	0.07	0.797	
230	SA4	771	280	0.26	3.82	0.051	1.55	8.57	0.003	-0.02	6.42	0.011	
231	SA4	771	280	0.09	0.52	0.472	1.18	5.23	0.022	-0.02	4.71	0.030	
232	SA4	771	280	0.25	3.48	0.062	0.54	1.02	0.313	-0.01	0.32	0.571	
233	SA4	3080	1124	-0.13	4.01	0.045	-0.09	0.07	0.785	0.00	0.01	0.904	
234	SA4	769	227	0.11	0.68	0.409	-0.29	0.21	0.648	0.01	0.43	0.510	
235	SA4	769	227	-0.19	1.68	0.194	-0.38	0.34	0.557	0.00	0.09	0.759	
236	SA4	769	227	-0.17	1.42	0.233	-0.39	0.43	0.511	0.00	0.14	0.704	NonUniform
237	SA4	776	272	0.27	3.96	0.047	0.81	1.72	0.190	-0.01	0.79	0.373	
238	SA4	776	272	-0.11	0.71	0.400	-0.58	0.85	0.356	0.01	0.59	0.444	
239	SA4	776	272	0.18	1.97	0.161	0.90	2.27	0.132	-0.01	1.53	0.217	
240	SA4	764	345	0.10	0.66	0.417	0.08	0.02	0.882	0.00	0.00	0.966	
241	SA4	764	345	-0.04	0.09	0.762	1.46	6.96	0.008	-0.03	7.66	0.006	
242	SA4	764	345	-0.09	0.57	0.449	-0.16	0.09	0.763	0.00	0.02	0.896	
243	SA4	771	280	0.37	7.68	0.006	0.70	1.78	0.182	-0.01	0.43	0.512	
244	SA4	771	280	0.21	2.37	0.124	0.03	0.00	0.959	0.00	0.12	0.727	
245	SA4	771	280	0.34	6.62	0.010	2.14	12.97	0.000	-0.03	9.78	0.002	NonUniform

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.232: Logistic Regression DIF Results on Stage IV Speaking Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
216	SA4	3080	465	0.27	8.43	0.004	0.10	0.05	0.826	0.00	0.17	0.683	Uniform>
217	SA4	769	95	0.26	1.45	0.229	0.09	0.01	0.928	0.00	0.03	0.856	
218	SA4	769	95	0.34	2.69	0.101	-0.45	0.25	0.620	0.01	0.81	0.367	
219	SA4	769	95	-0.10	0.23	0.634	-2.12	5.46	0.019	0.04	5.08	0.024	
220	SA4	769	95	-0.29	1.96	0.161	-1.01	1.19	0.275	0.01	0.64	0.425	
221	SA4	776	102	-0.42	4.07	0.044	-2.20	4.00	0.046	0.03	2.66	0.103	
222	SA4	776	102	0.48	5.66	0.017	0.39	0.13	0.716	0.00	0.01	0.928	
223	SA4	776	102	0.36	3.08	0.079	0.05	0.00	0.960	0.01	0.08	0.778	
224	SA4	776	102	0.13	0.46	0.499	-0.32	0.09	0.765	0.01	0.18	0.669	
225	SA4	764	167	-0.19	1.25	0.263	0.81	0.93	0.335	-0.02	1.46	0.228	
226	SA4	764	167	0.19	1.23	0.267	0.90	1.17	0.280	-0.01	0.76	0.385	
227	SA4	764	167	0.13	0.63	0.428	0.31	0.13	0.716	0.00	0.05	0.830	
228	SA4	764	167	0.22	1.89	0.169	-0.05	0.00	0.952	0.00	0.10	0.749	
229	SA4	771	101	0.04	0.04	0.847	0.67	0.56	0.456	-0.01	0.52	0.471	
230	SA4	771	101	0.14	0.48	0.488	2.64	8.06	0.005	-0.05	7.51	0.006	NonUniform
231	SA4	771	101	0.32	2.70	0.101	0.43	0.24	0.625	0.00	0.02	0.902	
232	SA4	771	101	0.26	1.78	0.182	-0.66	0.56	0.454	0.02	1.16	0.282	
233	SA4	3080	465	-0.20	4.51	0.034	0.22	0.17	0.680	-0.01	0.64	0.424	
234	SA4	769	95	-0.24	1.42	0.233	-0.02	0.00	0.986	0.00	0.06	0.811	
235	SA4	769	95	-0.38	3.48	0.062	-1.87	4.18	0.041	0.03	2.80	0.095	
236	SA4	769	95	-0.32	2.45	0.117	-0.42	0.22	0.641	0.00	0.01	0.911	
237	SA4	776	102	0.30	2.06	0.152	0.42	0.14	0.705	0.00	0.01	0.910	
238	SA4	776	102	-0.18	0.88	0.347	-1.02	0.92	0.337	0.01	0.64	0.425	
239	SA4	776	102	-0.03	0.02	0.888	0.17	0.03	0.868	0.00	0.04	0.846	
240	SA4	764	167	0.02	0.01	0.918	1.06	1.60	0.206	-0.02	1.61	0.204	
241	SA4	764	167	-0.44	7.39	0.007	-0.25	0.09	0.764	0.00	0.05	0.815	Uniform<
242	SA4	764	167	-0.30	3.58	0.059	-0.16	0.04	0.842	0.00	0.03	0.866	
243	SA4	771	101	0.11	0.31	0.581	0.96	1.15	0.284	-0.02	0.94	0.333	
244	SA4	771	101	0.39	3.78	0.052	-0.20	0.05	0.826	0.01	0.45	0.502	
245	SA4	771	101	-0.04	0.03	0.854	1.21	1.67	0.197	-0.02	1.82	0.177	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.233: Logistic Regression DIF Results on Stage IV Speaking Items for the Non-Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
216	SA4	659	465	0.16	1.89	0.170	-0.17	0.13	0.721	0.01	0.50	0.481	Uniform<
217	SA4	132	95	0.25	0.81	0.369	-0.13	0.01	0.911	0.01	0.11	0.742	
218	SA4	132	95	0.13	0.26	0.613	-1.20	1.29	0.256	0.03	1.68	0.195	
219	SA4	132	95	0.05	0.04	0.834	-1.73	2.60	0.107	0.03	2.88	0.090	
220	SA4	132	95	-0.46	3.27	0.071	-1.09	0.99	0.319	0.01	0.35	0.552	
221	SA4	170	102	-0.69	7.74	0.005	-2.15	3.20	0.074	0.02	1.51	0.219	
222	SA4	170	102	0.23	0.89	0.346	0.75	0.41	0.523	-0.01	0.21	0.649	
223	SA4	170	102	0.10	0.15	0.696	-1.01	0.72	0.395	0.02	0.90	0.344	
224	SA4	170	102	-0.01	0.00	0.952	0.12	0.01	0.921	0.00	0.01	0.910	
225	SA4	178	167	-0.33	2.20	0.138	0.75	0.68	0.410	-0.02	1.47	0.226	
226	SA4	178	167	0.00	0.00	0.999	-0.71	0.63	0.429	0.01	0.66	0.415	Uniform<
227	SA4	178	167	-0.20	0.86	0.353	0.06	0.00	0.953	0.00	0.08	0.778	
228	SA4	178	167	0.20	0.89	0.346	0.24	0.07	0.794	0.00	0.00	0.960	
229	SA4	179	101	-0.50	4.60	0.032	0.29	0.09	0.769	-0.01	0.67	0.414	
230	SA4	179	101	-0.08	0.13	0.715	1.44	2.05	0.152	-0.03	2.40	0.122	
231	SA4	179	101	0.38	2.66	0.103	-1.04	1.17	0.280	0.03	2.27	0.132	
232	SA4	179	101	0.03	0.01	0.912	-1.70	3.03	0.082	0.03	3.34	0.068	
233	SA4	659	465	-0.11	0.86	0.353	0.46	0.59	0.443	-0.01	0.94	0.333	
234	SA4	132	95	-0.60	5.69	0.017	0.28	0.06	0.801	-0.02	0.65	0.419	
235	SA4	132	95	-0.34	1.84	0.175	-2.50	4.97	0.026	0.04	3.94	0.047	
236	SA4	132	95	-0.24	0.91	0.339	-0.04	0.00	0.967	0.00	0.04	0.845	Uniform<
237	SA4	170	102	0.06	0.06	0.812	-0.59	0.24	0.627	0.01	0.30	0.585	
238	SA4	170	102	-0.14	0.38	0.538	-0.54	0.21	0.646	0.01	0.12	0.731	
239	SA4	170	102	-0.28	1.53	0.216	-0.85	0.55	0.458	0.01	0.25	0.617	
240	SA4	178	167	-0.15	0.53	0.467	1.54	2.93	0.087	-0.03	3.74	0.053	
241	SA4	178	167	-0.69	10.09	0.001	-2.19	5.17	0.023	0.03	2.56	0.109	
242	SA4	178	167	-0.40	3.80	0.051	0.16	0.03	0.856	-0.01	0.42	0.518	
243	SA4	179	101	-0.35	2.29	0.130	0.43	0.20	0.656	-0.01	0.69	0.407	
244	SA4	179	101	0.26	1.20	0.273	-0.34	0.12	0.729	0.01	0.40	0.528	
245	SA4	179	101	-0.51	4.61	0.032	-1.26	1.34	0.248	0.01	0.49	0.485	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.234: Logistic Regression DIF Results on Stage IV Speaking Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
216	SA4	86	465	-0.36	2.59	0.108	-0.37	0.09	0.763	0.00	0.00	0.996	
217	SA4	3	95	0.89	0.66	0.416	30.89	1.66	0.198	-0.46	1.60	0.207	
218	SA4	3	95	1.32	1.30	0.254	9.86	0.20	0.656	-0.13	0.15	0.699	
219	SA4	3	95	0.40	0.13	0.716	-41.17	2.24	0.134	0.64	2.27	0.132	
220	SA4	3	95	-0.53	0.24	0.627	19.55	0.83	0.362	-0.31	0.88	0.349	
221	SA4	33	102	-0.17	0.20	0.657	-1.15	0.23	0.633	0.02	0.17	0.683	
222	SA4	33	102	0.22	0.33	0.568	-2.29	0.96	0.328	0.04	1.18	0.277	
223	SA4	33	102	0.46	1.33	0.249	-0.64	0.07	0.790	0.02	0.22	0.640	
224	SA4	33	102	-0.11	0.09	0.769	-1.54	0.43	0.511	0.02	0.38	0.537	
225	SA4	39	167	-0.81	5.32	0.021	1.24	0.44	0.506	-0.04	1.25	0.263	
226	SA4	39	167	-0.10	0.08	0.783	0.03	0.00	0.987	0.00	0.00	0.945	
227	SA4	39	167	-0.45	1.60	0.205	1.49	0.61	0.434	-0.03	1.08	0.298	
228	SA4	39	167	0.09	0.08	0.776	-1.83	0.92	0.338	0.03	1.06	0.303	
229	SA4	11	101	-0.17	0.09	0.768	3.11	1.53	0.216	-0.06	1.82	0.177	
230	SA4	11	101	-0.42	0.50	0.479	3.31	1.72	0.189	-0.07	2.41	0.121	
231	SA4	11	101	0.50	0.72	0.396	0.59	0.05	0.826	0.00	0.00	0.974	
232	SA4	11	101	-0.74	1.57	0.210	3.17	1.54	0.214	-0.07	2.44	0.118	
233	SA4	86	465	-0.50	4.89	0.027	-1.60	1.13	0.288	0.02	0.56	0.456	
234	SA4	3	95	1.00	0.78	0.376	-19.03	0.45	0.502	0.31	0.50	0.481	
235	SA4	3	95	0.96	0.78	0.376	8.91	0.18	0.670	-0.12	0.14	0.704	
236	SA4	3	95	-0.42	0.15	0.698	-35.43	1.74	0.187	0.54	1.69	0.194	
237	SA4	33	102	0.60	2.19	0.139	-4.78	3.61	0.058	0.09	4.59	0.032	
238	SA4	33	102	0.16	0.20	0.657	-4.23	3.11	0.078	0.08	3.51	0.061	
239	SA4	33	102	-0.45	1.52	0.218	-6.64	6.96	0.008	0.11	6.31	0.012	
240	SA4	39	167	0.10	0.09	0.769	0.57	0.09	0.760	-0.01	0.07	0.798	
241	SA4	39	167	-0.02	0.00	0.962	-1.50	0.55	0.459	0.03	0.55	0.460	
242	SA4	39	167	0.27	0.69	0.407	2.31	1.63	0.201	-0.04	1.31	0.251	
243	SA4	11	101	-0.55	0.88	0.349	3.53	1.93	0.165	-0.07	2.85	0.091	
244	SA4	11	101	1.05	2.85	0.091	-2.76	0.63	0.426	0.07	1.21	0.272	
245	SA4	11	101	0.47	0.59	0.443	-4.09	0.83	0.363	0.09	1.05	0.305	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.235: Logistic Regression DIF Results on Stage IV Speaking Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NonUni}$	Wald $\chi^2$	p-value	$\beta_2^{NonUni}$	Wald $\chi^2$	p-value	
216	SA4	4204	1691	0.80	167.22	0.000	-0.30	1.99	0.158	0.02	28.90	0.000	NonUniform
217	SA4	996	423	0.79	35.98	0.000	0.33	0.47	0.493	0.01	1.05	0.305	Uniform>
218	SA4	996	423	0.83	40.03	0.000	-0.50	1.27	0.260	0.02	9.81	0.002	NonUniform
219	SA4	996	423	0.89	48.19	0.000	-0.86	3.69	0.055	0.03	16.37	0.000	NonUniform
220	SA4	996	423	0.91	48.17	0.000	-0.62	1.74	0.187	0.02	11.16	0.001	NonUniform
221	SA4	1048	433	0.49	14.60	0.000	1.52	10.59	0.001	-0.02	5.15	0.023	Uniform>
222	SA4	1048	433	0.51	16.96	0.000	0.01	0.00	0.981	0.01	1.33	0.248	Uniform>
223	SA4	1048	433	0.93	53.57	0.000	0.95	4.32	0.038	0.00	0.00	0.962	Uniform>
224	SA4	1048	433	0.90	51.70	0.000	-0.23	0.26	0.612	0.02	6.47	0.011	Uniform>
225	SA4	1109	435	1.08	75.07	0.000	0.89	4.24	0.039	0.00	0.22	0.635	Uniform>
226	SA4	1109	435	0.88	49.86	0.000	0.27	0.37	0.541	0.01	2.20	0.138	Uniform>
227	SA4	1109	435	1.05	70.47	0.000	-0.30	0.44	0.508	0.02	9.75	0.002	NonUniform
228	SA4	1109	435	0.81	44.16	0.000	0.33	0.49	0.482	0.01	1.11	0.292	Uniform>
229	SA4	1051	400	-0.03	0.07	0.791	-0.53	1.43	0.232	0.01	1.36	0.243	
230	SA4	1051	400	0.30	5.48	0.019	-0.62	1.97	0.161	0.01	4.74	0.029	
231	SA4	1051	400	0.95	55.64	0.000	-1.07	6.25	0.012	0.03	24.19	0.000	NonUniform
232	SA4	1051	400	0.64	24.49	0.000	-1.11	6.37	0.012	0.03	17.03	0.000	NonUniform
233	SA4	4204	1691	0.19	8.33	0.004	0.10	0.13	0.715	0.00	0.10	0.757	Uniform>
234	SA4	996	423	0.11	0.77	0.381	-0.43	0.80	0.370	0.01	1.37	0.241	
235	SA4	996	423	0.43	11.21	0.001	-0.33	0.47	0.495	0.01	2.67	0.102	Uniform>
236	SA4	996	423	1.05	67.04	0.000	0.52	1.32	0.251	0.01	1.55	0.213	Uniform>
237	SA4	1048	433	0.78	37.36	0.000	-0.98	4.50	0.034	0.03	15.77	0.000	NonUniform
238	SA4	1048	433	0.37	8.87	0.003	-0.86	3.38	0.066	0.02	7.34	0.007	NonUniform
239	SA4	1048	433	0.46	14.41	0.000	0.22	0.23	0.630	0.00	0.31	0.579	Uniform>
240	SA4	1109	435	0.01	0.01	0.916	-0.15	0.12	0.733	0.00	0.15	0.700	
241	SA4	1109	435	0.58	21.48	0.000	0.41	0.78	0.378	0.00	0.14	0.707	Uniform>
242	SA4	1109	435	0.22	3.52	0.061	0.21	0.23	0.632	0.00	0.00	0.983	
243	SA4	1051	400	-0.02	0.04	0.851	-0.91	4.21	0.040	0.01	4.37	0.037	
244	SA4	1051	400	0.44	11.78	0.001	-0.43	0.93	0.335	0.01	4.19	0.041	Uniform>
245	SA4	1051	400	0.44	11.29	0.001	-0.24	0.26	0.608	0.01	2.25	0.134	Uniform>

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.236: Logistic Regression DIF Results on Stage IV Speaking Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
216	SA4	278	4204	-0.51	17.60	0.000	1.95	5.22	0.022	-0.03	8.39	0.004	NonUniform
217	SA4	76	996	-0.34	2.10	0.148	-0.74	0.18	0.672	0.01	0.05	0.817	
218	SA4	76	996	-0.54	4.63	0.031	2.39	1.91	0.167	-0.04	2.93	0.087	
219	SA4	76	996	-0.51	4.70	0.030	0.55	0.11	0.739	-0.01	0.43	0.514	
220	SA4	76	996	-0.66	7.85	0.005	2.59	2.50	0.114	-0.05	3.98	0.046	Uniform<
221	SA4	74	1048	-0.25	1.05	0.306	0.22	0.02	0.901	-0.01	0.07	0.788	
222	SA4	74	1048	-0.76	10.03	0.002	-1.67	0.99	0.320	0.01	0.30	0.584	Uniform<
223	SA4	74	1048	-0.97	15.93	0.000	-2.50	2.14	0.144	0.02	0.82	0.366	Uniform<
224	SA4	74	1048	-0.52	5.10	0.024	-0.19	0.01	0.911	0.00	0.04	0.837	
225	SA4	61	1109	-0.57	4.47	0.035	2.94	1.87	0.172	-0.05	2.68	0.102	
226	SA4	61	1109	-0.21	0.63	0.428	2.08	0.94	0.331	-0.03	1.16	0.282	
227	SA4	61	1109	-0.15	0.34	0.560	5.87	7.56	0.006	-0.08	8.09	0.004	NonUniform
228	SA4	61	1109	-0.46	3.45	0.063	4.66	5.38	0.020	-0.07	6.56	0.010	
229	SA4	67	1051	0.27	1.21	0.271	-2.04	1.60	0.206	0.03	2.05	0.152	
230	SA4	67	1051	0.00	0.00	0.985	2.89	3.23	0.072	-0.04	3.30	0.069	
231	SA4	67	1051	-0.41	2.81	0.094	2.06	1.73	0.188	-0.03	2.55	0.110	
232	SA4	67	1051	-0.54	4.87	0.027	0.97	0.37	0.543	-0.02	0.92	0.339	
233	SA4	278	4204	0.00	0.00	0.980	0.68	0.64	0.425	-0.01	0.64	0.425	
234	SA4	76	996	0.05	0.05	0.830	2.30	2.04	0.153	-0.03	2.01	0.156	
235	SA4	76	996	-0.22	0.92	0.338	1.09	0.46	0.497	-0.02	0.69	0.407	
236	SA4	76	996	-0.57	5.97	0.015	3.61	4.98	0.026	-0.06	6.93	0.008	NonUniform
237	SA4	74	1048	-0.90	13.77	0.000	1.93	1.21	0.271	-0.04	2.68	0.102	Uniform<
238	SA4	74	1048	-0.41	3.26	0.071	1.83	1.28	0.258	-0.03	1.98	0.159	
239	SA4	74	1048	-0.09	0.15	0.697	-0.66	0.16	0.693	0.01	0.12	0.732	
240	SA4	61	1109	0.02	0.01	0.925	3.07	2.20	0.138	-0.04	2.19	0.139	
241	SA4	61	1109	-0.29	1.17	0.279	5.35	6.55	0.010	-0.08	7.51	0.006	NonUniform
242	SA4	61	1109	-0.08	0.09	0.765	3.89	3.67	0.056	-0.05	3.87	0.049	
243	SA4	67	1051	0.01	0.00	0.971	0.74	0.21	0.649	-0.01	0.20	0.652	
244	SA4	67	1051	-0.16	0.42	0.517	0.02	0.00	0.988	0.00	0.01	0.907	
245	SA4	67	1051	-0.14	0.29	0.590	0.82	0.23	0.629	-0.01	0.33	0.567	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.237: Logistic Regression DIF Results on Stage IV Speaking Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
216	SA4	5085	777	0.33	20.94	0.000	-0.07	0.09	0.762	0.01	3.07	0.080	Uniform>
217	SA4	1220	187	0.40	6.39	0.012	0.29	0.29	0.593	0.00	0.04	0.839	
218	SA4	1220	187	0.28	3.33	0.068	0.27	0.28	0.597	0.00	0.00	0.973	
219	SA4	1220	187	0.36	5.80	0.016	-0.83	2.74	0.098	0.02	6.23	0.013	
220	SA4	1220	187	0.31	4.25	0.039	-0.03	0.00	0.955	0.01	0.46	0.496	
221	SA4	1284	193	-0.03	0.03	0.863	0.37	0.38	0.536	-0.01	0.47	0.494	
222	SA4	1284	193	0.13	0.80	0.371	0.45	0.67	0.412	0.00	0.37	0.545	
223	SA4	1284	193	0.23	2.39	0.122	0.30	0.29	0.589	0.00	0.02	0.900	
224	SA4	1284	193	0.19	1.67	0.196	-0.91	2.86	0.091	0.02	4.33	0.037	
225	SA4	1305	234	0.34	6.15	0.013	0.70	2.30	0.130	-0.01	0.63	0.426	
226	SA4	1305	234	0.11	0.64	0.423	0.11	0.06	0.812	0.00	0.00	0.995	Uniform>
227	SA4	1305	234	-0.03	0.03	0.853	0.06	0.02	0.902	0.00	0.04	0.851	
228	SA4	1305	234	0.18	1.80	0.180	0.49	1.03	0.310	0.00	0.46	0.497	
229	SA4	1276	163	-0.05	0.08	0.772	-0.39	0.52	0.473	0.01	0.45	0.503	
230	SA4	1276	163	-0.07	0.19	0.663	-0.59	1.21	0.271	0.01	1.07	0.301	
231	SA4	1276	163	0.48	9.78	0.002	-0.27	0.28	0.600	0.01	2.39	0.123	
232	SA4	1276	163	0.56	12.75	0.000	-0.55	1.09	0.296	0.02	4.99	0.026	
233	SA4	5085	777	-0.07	0.92	0.338	-0.14	0.20	0.654	0.00	0.05	0.824	
234	SA4	1220	187	-0.08	0.30	0.582	0.03	0.00	0.951	0.00	0.05	0.826	
235	SA4	1220	187	-0.16	1.21	0.271	0.08	0.02	0.887	0.00	0.22	0.636	NonUniform
236	SA4	1220	187	0.17	1.32	0.251	-0.93	3.48	0.062	0.02	5.42	0.020	
237	SA4	1284	193	0.29	3.54	0.060	0.29	0.28	0.600	0.00	0.00	0.987	
238	SA4	1284	193	0.21	2.04	0.153	-0.54	0.98	0.322	0.01	2.06	0.152	
239	SA4	1284	193	0.18	1.48	0.225	-0.07	0.02	0.897	0.00	0.23	0.632	
240	SA4	1305	234	0.09	0.43	0.514	-0.23	0.23	0.635	0.01	0.48	0.489	
241	SA4	1305	234	-0.03	0.04	0.832	1.55	7.29	0.007	-0.03	7.98	0.005	
242	SA4	1305	234	0.05	0.13	0.716	0.25	0.26	0.608	0.00	0.18	0.670	
243	SA4	1276	163	-0.33	4.04	0.044	-1.22	5.13	0.023	0.01	3.11	0.078	
244	SA4	1276	163	0.09	0.31	0.578	0.09	0.03	0.865	0.00	0.00	0.994	
245	SA4	1276	163	-0.05	0.08	0.771	0.79	1.53	0.216	-0.01	1.85	0.173	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.238: Logistic Regression DIF Results on Stage V Reading Items for the Male/Female Comparison**

Focal Group: Male; Reference Group: Female													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	1477	1835	-0.05	0.24	0.622	-0.42	1.20	0.274	0.01	1.00	0.318	Uniform>
2	MC	1477	1835	0.02	0.09	0.762	0.17	0.22	0.636	0.00	0.17	0.676	
3	MC	1477	1835	0.51	47.56	0.000	0.86	6.97	0.008	-0.01	1.18	0.277	
4	MC	1477	1835	0.12	2.79	0.095	-0.22	0.43	0.510	0.01	1.11	0.293	
5	MC	1477	1835	0.22	9.17	0.002	-0.13	0.15	0.695	0.01	1.14	0.285	Uniform>
6	MC	1477	1835	0.41	28.19	0.000	0.12	0.10	0.748	0.00	0.64	0.423	Uniform>
7	MC	1477	1835	0.05	0.41	0.522	-0.67	3.42	0.065	0.01	4.12	0.042	Uniform>
8	MC	398	527	0.05	0.08	0.775	-0.52	0.64	0.422	0.01	0.81	0.369	
9	MC	398	527	-0.08	0.27	0.602	-1.15	2.49	0.115	0.02	2.25	0.134	
10	MC	398	527	0.20	0.83	0.362	-1.09	1.73	0.189	0.02	2.58	0.109	
11	MC	398	527	0.08	0.25	0.618	0.59	0.57	0.450	-0.01	0.44	0.507	Uniform>
12	MC	398	527	0.05	0.14	0.707	0.11	0.03	0.861	0.00	0.01	0.928	
13	MC	398	527	0.06	0.18	0.673	-0.66	0.92	0.338	0.01	1.16	0.281	
14	MC	398	527	0.25	3.09	0.079	1.06	2.63	0.105	-0.01	1.61	0.204	
15	MC	398	527	-0.26	3.05	0.081	0.04	0.00	0.965	0.00	0.14	0.709	Uniform>
16	MC	398	527	0.34	5.68	0.017	-0.69	0.92	0.338	0.02	2.14	0.144	
17	MC	398	527	0.15	1.08	0.298	-0.04	0.00	0.955	0.00	0.08	0.782	
18	MC	398	527	-0.23	2.66	0.103	0.06	0.01	0.936	0.00	0.18	0.675	
19	MC	398	527	0.23	2.61	0.106	-0.28	0.19	0.661	0.01	0.67	0.412	Uniform>
20	MC	398	527	0.63	13.34	0.000	-0.23	0.10	0.755	0.01	1.44	0.231	
21	MC	398	527	0.07	0.25	0.619	0.35	0.27	0.602	0.00	0.18	0.672	
22	MC	398	527	0.33	5.76	0.016	0.39	0.39	0.533	0.00	0.01	0.928	
23	MC	398	527	-0.13	0.90	0.343	0.21	0.10	0.756	0.00	0.27	0.603	Uniform>
24	MC	398	527	0.27	3.75	0.053	0.30	0.22	0.641	0.00	0.00	0.965	
25	MC	398	527	0.09	0.37	0.543	-0.88	1.76	0.185	0.01	2.24	0.135	
26	MC	398	527	-0.19	1.74	0.187	0.59	0.71	0.400	-0.01	1.29	0.256	
27	MC	398	527	-0.04	0.09	0.763	0.46	0.48	0.490	-0.01	0.60	0.439	Uniform>
28	MC	398	527	0.09	0.37	0.543	-0.15	0.05	0.832	0.00	0.12	0.730	
29	MC	398	527	0.07	0.16	0.690	1.43	3.40	0.065	-0.02	3.23	0.072	
30	MC	398	527	-0.29	4.02	0.045	-0.59	0.78	0.376	0.00	0.21	0.644	
31	MC	367	458	-0.06	0.16	0.685	0.51	0.86	0.354	-0.01	1.14	0.285	Uniform>
32	MC	367	458	-0.04	0.07	0.797	0.39	0.48	0.488	-0.01	0.62	0.432	
33	MC	367	458	0.48	3.39	0.066	-0.31	0.16	0.692	0.02	1.14	0.285	
34	MC	367	458	0.19	1.31	0.252	0.85	1.69	0.193	-0.01	1.10	0.294	
35	MC	367	458	0.37	4.56	0.033	0.01	0.00	0.988	0.01	0.31	0.580	Uniform>
36	MC	367	458	0.25	2.67	0.102	-0.70	0.91	0.339	0.01	1.77	0.184	
37	MC	367	458	-0.04	0.05	0.819	-0.45	0.42	0.515	0.01	0.38	0.540	
38	MC	367	458	-0.04	0.05	0.815	0.10	0.02	0.887	0.00	0.04	0.839	
39	MC	367	458	0.05	0.10	0.747	-0.18	0.09	0.762	0.00	0.16	0.690	Uniform>
40	MC	367	458	0.46	6.12	0.013	1.13	2.84	0.092	-0.01	1.10	0.294	
41	MC	367	458	0.19	1.61	0.204	-0.27	0.19	0.666	0.01	0.57	0.449	
42	MC	367	458	0.30	4.17	0.041	-0.02	0.00	0.979	0.00	0.30	0.581	
43	MC	367	458	0.25	2.67	0.102	1.61	5.27	0.022	-0.02	3.97	0.046	Uniform>
44	MC	367	458	0.38	6.47	0.011	-0.38	0.42	0.515	0.01	1.80	0.180	
45	MC	367	458	0.31	3.67	0.055	0.02	0.00	0.970	0.00	0.21	0.649	
46	MC	367	458	-0.09	0.32	0.571	0.80	1.77	0.184	-0.01	2.30	0.129	
47	MC	367	458	-0.03	0.03	0.869	-0.27	0.16	0.688	0.00	0.14	0.708	Uniform>
48	MC	367	458	0.24	2.14	0.144	-0.23	0.08	0.771	0.01	0.39	0.533	
49	MC	367	458	0.08	0.28	0.599	0.60	0.86	0.352	-0.01	0.69	0.406	
50	MC	367	458	0.16	1.15	0.283	-0.64	0.79	0.375	0.01	1.30	0.254	
51	MC	367	458	0.20	1.80	0.179	0.32	0.23	0.629	0.00	0.03	0.856	Uniform>
52	MC	367	458	-0.20	1.67	0.197	-0.18	0.07	0.785	0.00	0.00	0.978	
53	MC	367	458	0.04	0.08	0.778	-1.13	3.76	0.053	0.02	4.35	0.037	
54	MC	377	407	0.63	10.61	0.001	0.04	0.00	0.959	0.01	0.56	0.455	
55	MC	377	407	-0.12	0.55	0.458	-0.27	0.13	0.723	0.00	0.04	0.837	Uniform>
56	MC	377	407	0.22	0.71	0.400	-0.34	0.14	0.710	0.01	0.40	0.525	
57	MC	377	407	0.30	4.03	0.045	0.47	0.39	0.530	0.00	0.05	0.816	
58	MC	377	407	0.23	1.58	0.209	-0.42	0.28	0.600	0.01	0.69	0.405	
59	MC	377	407	0.03	0.03	0.857	-0.66	0.79	0.375	0.01	0.89	0.346	Uniform>
60	MC	377	407	-0.08	0.29	0.590	0.15	0.04	0.836	0.00	0.11	0.742	
61	MC	377	407	0.04	0.07	0.790	-1.03	1.39	0.239	0.02	1.55	0.213	
62	MC	377	407	0.26	2.59	0.107	-1.03	1.76	0.185	0.02	2.86	0.091	
63	MC	377	407	-0.01	0.00	0.959	-0.42	0.28	0.599	0.01	0.28	0.599	Uniform>
64	MC	377	407	0.16	1.06	0.303	0.78	0.93	0.336	-0.01	0.61	0.434	
65	MC	377	407	0.02	0.01	0.918	-1.68	4.86	0.027	0.03	5.16	0.023	
66	MC	377	407	0.59	12.43	0.000	0.77	0.97	0.326	0.00	0.06	0.812	
67	MC	377	407	0.16	1.17	0.280	-0.05	0.00	0.946	0.00	0.10	0.757	Uniform>
68	MC	377	407	0.15	0.94	0.333	0.98	1.64	0.200	-0.01	1.24	0.266	
69	MC	377	407	-0.29	3.86	0.049	0.07	0.01	0.921	-0.01	0.27	0.602	
70	MC	377	407	0.23	2.50	0.114	0.47	0.49	0.483	0.00	0.13	0.717	
71	MC	377	407	0.12	0.66	0.417	-0.72	0.86	0.353	0.01	1.23	0.267	Uniform>
72	MC	377	407	0.02	0.01	0.906	0.00	0.00	0.998	0.00	0.00	0.982	

**Table F.238: Logistic Regression DIF Results on Stage V Reading Items for the Male/Female Comparison**

Focal Group: Male; Reference Group: Female													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
73	MC	377	407	0.17	1.19	0.274	-0.49	0.40	0.527	0.01	0.76	0.384	
74	MC	377	407	-0.25	2.52	0.113	0.49	0.41	0.524	-0.01	0.95	0.330	
75	MC	377	407	0.13	0.76	0.382	-0.85	1.54	0.215	0.01	2.13	0.144	
76	MC	377	407	0.42	7.86	0.005	-0.82	1.17	0.280	0.02	2.77	0.096	Uniform>
77	MC	335	443	0.46	6.94	0.008	-0.53	0.51	0.475	0.02	1.86	0.172	Uniform>
78	MC	335	443	-0.11	0.27	0.602	-1.38	2.21	0.137	0.02	1.97	0.161	
79	MC	335	443	0.14	0.34	0.558	-2.31	6.13	0.013	0.05	7.26	0.007	NonUniform
80	MC	335	443	0.29	2.15	0.143	0.13	0.02	0.882	0.00	0.03	0.857	
81	MC	335	443	0.05	0.09	0.759	-1.36	3.73	0.054	0.02	4.23	0.040	
82	MC	335	443	-0.13	0.66	0.417	-1.53	3.96	0.047	0.02	3.51	0.061	
83	MC	335	443	0.01	0.00	0.975	-0.81	1.16	0.281	0.01	1.23	0.267	
84	MC	335	443	0.49	9.73	0.002	0.04	0.00	0.963	0.01	0.35	0.554	Uniform>
85	MC	335	443	0.16	1.11	0.291	0.05	0.01	0.936	0.00	0.03	0.872	
86	MC	335	443	0.20	1.67	0.196	0.34	0.19	0.663	0.00	0.03	0.857	
87	MC	335	443	0.35	5.26	0.022	0.10	0.02	0.876	0.00	0.15	0.697	
88	MC	335	443	0.01	0.00	0.957	-0.28	0.12	0.725	0.00	0.14	0.711	
89	MC	335	443	0.07	0.21	0.649	-0.14	0.04	0.844	0.00	0.09	0.760	
90	MC	335	443	0.13	0.62	0.429	1.05	2.22	0.136	-0.01	1.80	0.179	
91	MC	335	443	-0.02	0.01	0.905	0.43	0.33	0.567	-0.01	0.37	0.542	
92	MC	335	443	0.10	0.38	0.537	1.64	4.37	0.037	-0.02	4.01	0.045	
93	MC	335	443	-0.01	0.00	0.968	-2.09	5.52	0.019	0.03	5.76	0.016	
94	MC	335	443	0.16	1.05	0.306	0.19	0.05	0.815	0.00	0.00	0.974	
95	MC	335	443	0.27	3.07	0.080	-0.41	0.30	0.583	0.01	0.86	0.353	
96	MC	335	443	0.04	0.07	0.795	-0.12	0.02	0.877	0.00	0.05	0.830	
97	MC	335	443	-0.07	0.21	0.648	-0.68	0.71	0.399	0.01	0.59	0.441	
98	MC	335	443	-0.06	0.13	0.717	-1.73	5.04	0.025	0.03	4.99	0.025	
99	MC	335	443	0.08	0.27	0.605	-0.73	0.67	0.411	0.01	0.87	0.351	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.239: Logistic Regression DIF Results on Stage V Reading Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	2028	1285	0.48	22.47	0.000	0.46	1.43	0.232	0.00	0.00	0.953	Uniform>
2	MC	2028	1285	0.09	1.44	0.230	0.36	1.05	0.306	0.00	0.61	0.436	
3	MC	2028	1285	-0.02	0.08	0.784	-0.61	3.67	0.055	0.01	3.63	0.057	
4	MC	2028	1285	0.23	9.25	0.002	0.53	2.57	0.109	0.00	0.89	0.347	Uniform>
5	MC	2028	1285	0.01	0.01	0.915	-0.40	1.36	0.244	0.01	1.49	0.222	
6	MC	2028	1285	-0.37	21.70	0.000	-0.88	5.66	0.017	0.01	1.97	0.160	Uniform<
7	MC	2028	1285	0.06	0.64	0.424	-0.18	0.26	0.607	0.00	0.50	0.480	
8	MC	535	390	-0.08	0.25	0.616	-0.74	1.33	0.249	0.01	1.13	0.288	
9	MC	535	390	-0.06	0.16	0.687	-0.72	1.03	0.309	0.01	0.90	0.342	
10	MC	535	390	-0.37	2.70	0.100	-0.33	0.17	0.681	0.00	0.00	0.956	
11	MC	535	390	-0.15	0.79	0.373	-1.07	1.89	0.169	0.01	1.48	0.224	
12	MC	535	390	-0.56	14.28	0.000	-1.38	4.85	0.028	0.01	1.80	0.179	Uniform<
13	MC	535	390	-0.26	2.70	0.100	0.38	0.30	0.584	-0.01	0.89	0.344	
14	MC	535	390	-0.01	0.00	0.962	-0.71	1.20	0.274	0.01	1.23	0.267	
15	MC	535	390	-0.10	0.43	0.512	0.39	0.24	0.622	-0.01	0.39	0.531	
16	MC	535	390	-0.21	2.08	0.149	-1.02	2.13	0.145	0.01	1.41	0.235	
17	MC	535	390	-0.24	2.68	0.102	0.06	0.01	0.930	0.00	0.19	0.662	
18	MC	535	390	0.26	3.23	0.072	-0.11	0.02	0.877	0.01	0.29	0.592	
19	MC	535	390	-0.20	2.01	0.157	-0.36	0.34	0.561	0.00	0.07	0.792	
20	MC	535	390	-0.28	2.68	0.101	-0.14	0.04	0.846	0.00	0.04	0.839	
21	MC	535	390	0.17	1.38	0.240	0.32	0.22	0.638	0.00	0.05	0.827	
22	MC	535	390	0.45	10.50	0.001	-0.61	1.01	0.315	0.02	3.17	0.075	Uniform>
23	MC	535	390	-0.49	11.82	0.001	0.11	0.03	0.872	-0.01	0.83	0.362	Uniform<
24	MC	535	390	-0.04	0.09	0.769	-0.65	1.05	0.305	0.01	0.97	0.324	
25	MC	535	390	-0.22	2.38	0.123	0.01	0.00	0.989	0.00	0.13	0.715	
26	MC	535	390	-0.07	0.24	0.624	0.73	1.07	0.301	-0.01	1.35	0.246	
27	MC	535	390	-0.18	1.48	0.225	-0.86	1.70	0.192	0.01	1.13	0.288	
28	MC	535	390	-0.05	0.10	0.757	-0.01	0.00	0.990	0.00	0.00	0.958	
29	MC	535	390	-0.43	6.66	0.010	-0.62	0.63	0.426	0.00	0.06	0.804	Uniform<
30	MC	535	390	-0.20	1.94	0.164	-1.82	7.78	0.005	0.02	6.50	0.011	
31	MC	525	300	-0.06	0.17	0.676	-0.02	0.00	0.973	0.00	0.01	0.934	
32	MC	525	300	-0.04	0.06	0.803	0.58	1.08	0.298	-0.01	1.32	0.251	
33	MC	525	300	0.04	0.03	0.869	-0.28	0.13	0.714	0.01	0.20	0.653	
34	MC	525	300	0.39	5.51	0.019	0.91	1.86	0.173	-0.01	0.64	0.423	
35	MC	525	300	0.55	10.19	0.001	0.01	0.00	0.990	0.01	0.71	0.398	Uniform>
36	MC	525	300	0.00	0.00	0.987	-0.85	1.39	0.238	0.01	1.46	0.227	
37	MC	525	300	0.12	0.49	0.482	0.42	0.35	0.553	-0.01	0.19	0.665	
38	MC	525	300	0.42	5.83	0.016	1.09	2.33	0.127	-0.01	0.94	0.333	
39	MC	525	300	0.05	0.09	0.764	-0.87	2.07	0.150	0.02	2.50	0.114	
40	MC	525	300	-0.24	1.63	0.202	0.13	0.04	0.842	-0.01	0.34	0.559	
41	MC	525	300	0.30	3.76	0.052	-1.10	3.20	0.073	0.02	5.53	0.019	
42	MC	525	300	0.00	0.00	0.974	-0.13	0.05	0.824	0.00	0.06	0.811	
43	MC	525	300	-0.09	0.30	0.586	-1.43	4.34	0.037	0.02	4.05	0.044	
44	MC	525	300	0.16	1.12	0.290	-1.15	3.88	0.049	0.02	5.45	0.020	
45	MC	525	300	-0.57	11.05	0.001	-0.72	1.26	0.262	0.00	0.06	0.810	Uniform<
46	MC	525	300	0.03	0.03	0.856	-0.71	1.41	0.234	0.01	1.64	0.200	
47	MC	525	300	0.29	3.11	0.078	-0.62	0.85	0.356	0.01	1.95	0.163	
48	MC	525	300	0.02	0.01	0.932	-0.79	1.05	0.306	0.01	1.15	0.284	
49	MC	525	300	0.03	0.04	0.836	-0.13	0.04	0.847	0.00	0.06	0.802	
50	MC	525	300	0.42	6.45	0.011	-0.16	0.05	0.825	0.01	0.66	0.416	
51	MC	525	300	0.05	0.08	0.772	1.85	6.79	0.009	-0.03	6.88	0.009	NonUniform
52	MC	525	300	0.28	2.87	0.090	0.91	1.71	0.191	-0.01	0.86	0.354	
53	MC	525	300	-0.60	14.69	0.000	-0.73	1.58	0.208	0.00	0.06	0.808	Uniform<
54	MC	467	317	-0.34	2.96	0.085	-0.01	0.00	0.992	-0.01	0.18	0.668	
55	MC	467	317	-0.55	10.40	0.001	0.58	0.51	0.473	-0.02	2.04	0.153	Uniform<
56	MC	467	317	-0.23	0.70	0.404	0.46	0.25	0.616	-0.01	0.61	0.436	
57	MC	467	317	-0.40	6.46	0.011	-0.79	1.07	0.300	0.01	0.28	0.599	
58	MC	467	317	-0.02	0.01	0.907	0.16	0.04	0.839	0.00	0.06	0.813	
59	MC	467	317	-0.19	1.51	0.219	-1.17	2.44	0.118	0.01	1.79	0.181	
60	MC	467	317	-0.12	0.59	0.442	-0.32	0.19	0.664	0.00	0.07	0.785	
61	MC	467	317	-0.35	4.41	0.036	-1.41	2.62	0.105	0.02	1.55	0.213	
62	MC	467	317	-0.32	3.72	0.054	-0.01	0.00	0.991	0.00	0.17	0.678	
63	MC	467	317	-0.27	2.67	0.102	-2.43	9.15	0.002	0.03	7.61	0.006	NonUniform
64	MC	467	317	-0.17	1.14	0.285	-1.49	3.43	0.064	0.02	2.81	0.094	
65	MC	467	317	-0.06	0.13	0.714	-0.23	0.10	0.755	0.00	0.06	0.809	
66	MC	467	317	-0.23	1.74	0.188	-0.33	0.18	0.668	0.00	0.02	0.886	
67	MC	467	317	0.05	0.13	0.720	-1.63	5.81	0.016	0.03	6.53	0.011	
68	MC	467	317	0.68	17.93	0.000	-0.36	0.22	0.637	0.02	1.96	0.162	Uniform>
69	MC	467	317	0.02	0.02	0.878	-0.60	0.73	0.394	0.01	0.82	0.364	
70	MC	467	317	-0.19	1.57	0.211	0.24	0.13	0.719	-0.01	0.43	0.510	
71	MC	467	317	-0.35	4.91	0.027	-0.15	0.04	0.851	0.00	0.07	0.789	
72	MC	467	317	0.02	0.02	0.880	0.22	0.08	0.771	0.00	0.07	0.791	

**Table F.239: Logistic Regression DIF Results on Stage V Reading Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
73	MC	467	317	-0.04	0.06	0.803	-1.30	2.83	0.093	0.02	2.78	0.096	
74	MC	467	317	-0.24	2.34	0.126	0.01	0.00	0.986	0.00	0.12	0.734	
75	MC	467	317	-0.20	1.71	0.191	-0.60	0.78	0.376	0.01	0.38	0.540	
76	MC	467	317	-0.21	1.75	0.186	-1.79	5.51	0.019	0.02	4.52	0.033	
77	MC	501	278	-0.34	3.67	0.055	-1.24	3.10	0.078	0.02	1.74	0.187	
78	MC	501	278	-0.22	1.02	0.312	0.14	0.03	0.871	-0.01	0.18	0.668	
79	MC	501	278	0.26	1.18	0.277	0.03	0.00	0.974	0.00	0.09	0.766	
80	MC	501	278	-0.73	13.78	0.000	0.19	0.05	0.827	-0.01	1.16	0.282	Uniform<
81	MC	501	278	0.22	1.73	0.188	-0.91	1.94	0.164	0.02	3.16	0.076	
82	MC	501	278	-0.09	0.34	0.561	-0.74	1.08	0.298	0.01	0.87	0.351	
83	MC	501	278	-0.18	1.22	0.269	-0.90	1.59	0.207	0.01	1.08	0.298	
84	MC	501	278	-0.22	1.90	0.168	-1.01	1.76	0.185	0.01	1.12	0.290	
85	MC	501	278	0.12	0.62	0.430	0.64	0.96	0.328	-0.01	0.67	0.413	
86	MC	501	278	-0.02	0.02	0.896	0.00	0.00	0.998	0.00	0.00	0.976	
87	MC	501	278	0.65	18.22	0.000	-2.00	10.00	0.002	0.04	18.57	0.000	NonUniform
88	MC	501	278	0.15	0.85	0.358	-0.88	1.36	0.244	0.02	1.95	0.163	
89	MC	501	278	0.26	2.61	0.106	-1.55	5.31	0.021	0.03	7.61	0.006	NonUniform
90	MC	501	278	-0.33	3.70	0.054	0.24	0.12	0.733	-0.01	0.69	0.406	
91	MC	501	278	-0.49	9.63	0.002	-1.36	3.45	0.063	0.01	1.47	0.225	Uniform<
92	MC	501	278	0.19	1.36	0.243	0.61	0.56	0.453	-0.01	0.28	0.595	
93	MC	501	278	0.09	0.29	0.589	0.27	0.10	0.750	0.00	0.05	0.830	
94	MC	501	278	-0.08	0.24	0.621	0.45	0.30	0.586	-0.01	0.43	0.511	
95	MC	501	278	-0.14	0.78	0.378	-1.99	7.67	0.006	0.03	6.97	0.008	NonUniform
96	MC	501	278	-0.02	0.02	0.886	-0.28	0.14	0.706	0.00	0.13	0.723	
97	MC	501	278	-0.02	0.01	0.927	0.65	0.66	0.415	-0.01	0.73	0.393	
98	MC	501	278	-0.09	0.32	0.574	1.22	2.68	0.101	-0.02	3.29	0.070	
99	MC	501	278	-0.10	0.38	0.540	-0.49	0.31	0.578	0.01	0.20	0.655	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.240: Logistic Regression DIF Results on Stage V Reading Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	157	3156	0.18	0.52	0.471	-1.11	0.83	0.364	0.02	1.15	0.284	
2	MC	157	3156	-0.16	0.78	0.377	0.91	0.97	0.324	-0.02	1.37	0.243	
3	MC	157	3156	0.01	0.01	0.932	-0.16	0.03	0.860	0.00	0.04	0.844	
4	MC	157	3156	-0.02	0.02	0.883	1.26	2.20	0.138	-0.02	2.36	0.125	
5	MC	157	3156	-0.09	0.25	0.620	0.16	0.03	0.861	0.00	0.07	0.786	
6	MC	157	3156	-0.31	3.08	0.079	-0.11	0.01	0.910	0.00	0.04	0.841	
7	MC	157	3156	-0.07	0.16	0.692	-0.18	0.03	0.852	0.00	0.01	0.907	
8	MC	38	887	0.09	0.05	0.828	-0.78	0.14	0.712	0.01	0.18	0.675	
9	MC	38	887	-0.67	3.18	0.074	-5.61	2.78	0.095	0.07	2.21	0.137	
10	MC	38	887	-0.54	1.05	0.305	1.75	0.55	0.459	-0.04	1.04	0.308	
11	MC	38	887	0.79	5.17	0.023	-5.79	2.93	0.087	0.09	4.00	0.045	
12	MC	38	887	0.15	0.16	0.689	0.34	0.03	0.861	0.00	0.01	0.921	
13	MC	38	887	-0.08	0.04	0.840	-4.31	2.15	0.143	0.06	2.11	0.146	
14	MC	38	887	-0.42	1.44	0.231	-1.45	0.41	0.521	0.01	0.22	0.643	
15	MC	38	887	-0.21	0.35	0.554	-0.13	0.00	0.957	0.00	0.00	0.973	
16	MC	38	887	-0.49	1.91	0.167	-0.06	0.00	0.977	-0.01	0.04	0.848	
17	MC	38	887	-0.42	1.19	0.275	-1.77	0.42	0.514	0.02	0.26	0.612	
18	MC	38	887	0.02	0.00	0.948	2.37	1.62	0.203	-0.03	1.63	0.202	
19	MC	38	887	-1.11	10.07	0.002	-9.51	5.04	0.025	0.11	4.09	0.043	Uniform<
20	MC	38	887	-0.19	0.21	0.644	-2.25	0.80	0.370	0.03	0.69	0.407	
21	MC	38	887	-0.27	0.50	0.479	-1.13	0.22	0.638	0.01	0.13	0.714	
22	MC	38	887	-0.75	4.69	0.030	-2.39	1.00	0.318	0.02	0.49	0.485	
23	MC	38	887	-0.23	0.45	0.502	0.76	0.14	0.704	-0.01	0.25	0.615	
24	MC	38	887	-0.42	1.49	0.222	1.05	0.31	0.578	-0.02	0.62	0.430	
25	MC	38	887	0.21	0.36	0.546	1.94	1.08	0.299	-0.02	0.87	0.350	
26	MC	38	887	0.00	0.00	0.996	-1.93	0.59	0.444	0.03	0.61	0.435	
27	MC	38	887	-0.56	1.88	0.170	-3.86	1.44	0.230	0.04	1.12	0.291	
28	MC	38	887	-0.01	0.00	0.981	-4.45	2.02	0.156	0.06	2.10	0.147	
29	MC	38	887	-0.86	2.59	0.108	1.52	0.32	0.574	-0.03	0.76	0.384	
30	MC	38	887	-0.11	0.09	0.765	0.44	0.05	0.829	-0.01	0.07	0.786	
31	MC	39	786	0.00	0.00	0.991	-1.03	0.31	0.579	0.01	0.32	0.574	
32	MC	39	786	-0.13	0.15	0.695	-0.67	0.13	0.716	0.01	0.09	0.766	
33	MC	39	786	-0.31	0.23	0.629	-1.46	0.25	0.615	0.02	0.16	0.689	
34	MC	39	786	-0.10	0.07	0.786	0.80	0.17	0.682	-0.01	0.23	0.635	
35	MC	39	786	-0.82	4.89	0.027	1.21	0.43	0.513	-0.03	1.26	0.261	
36	MC	39	786	1.45	11.74	0.001	1.36	0.40	0.526	0.00	0.00	0.965	Uniform>
37	MC	39	786	-0.16	0.16	0.688	-0.58	0.07	0.787	0.01	0.04	0.842	
38	MC	39	786	-0.67	2.47	0.116	-0.01	0.00	0.997	-0.01	0.08	0.778	
39	MC	39	786	-0.63	3.22	0.073	2.25	1.60	0.205	-0.04	2.76	0.097	
40	MC	39	786	-0.61	2.25	0.133	0.44	0.05	0.826	-0.02	0.29	0.590	
41	MC	39	786	0.15	0.18	0.673	2.91	2.62	0.106	-0.04	2.49	0.115	
42	MC	39	786	-0.20	0.36	0.546	-1.00	0.28	0.599	0.01	0.18	0.669	
43	MC	39	786	-0.06	0.03	0.860	-0.17	0.01	0.932	0.00	0.00	0.956	
44	MC	39	786	-0.54	2.49	0.115	1.47	0.70	0.402	-0.03	1.36	0.244	
45	MC	39	786	-0.12	0.10	0.755	-1.08	0.27	0.605	0.01	0.22	0.640	
46	MC	39	786	-0.54	2.43	0.119	-3.28	2.08	0.149	0.04	1.50	0.221	
47	MC	39	786	-1.22	7.12	0.008	-2.43	0.64	0.422	0.02	0.17	0.683	Uniform<
48	MC	39	786	-0.59	1.87	0.172	-12.71	3.91	0.048	0.16	3.82	0.051	
49	MC	39	786	-0.31	0.84	0.360	0.01	0.00	0.998	0.00	0.03	0.867	
50	MC	39	786	-0.16	0.22	0.643	1.73	0.85	0.356	-0.03	1.04	0.308	
51	MC	39	786	-0.57	2.36	0.124	-5.54	3.04	0.081	0.07	2.60	0.107	
52	MC	39	786	-0.84	3.86	0.050	-3.49	1.31	0.253	0.04	0.80	0.372	
53	MC	39	786	-0.12	0.10	0.746	-2.88	1.71	0.191	0.04	1.68	0.195	
54	MC	42	742	0.20	0.22	0.639	-1.08	0.26	0.608	0.02	0.38	0.536	
55	MC	42	742	0.50	1.82	0.177	1.40	0.64	0.423	-0.01	0.28	0.599	
56	MC	42	742	-1.25	8.96	0.003	-5.06	4.32	0.038	0.06	2.48	0.115	Uniform<
57	MC	42	742	-0.19	0.34	0.559	-4.17	2.56	0.110	0.06	2.42	0.120	
58	MC	42	742	0.05	0.02	0.895	-0.37	0.04	0.849	0.01	0.05	0.824	
59	MC	42	742	0.92	7.06	0.008	2.31	1.97	0.160	-0.02	0.75	0.387	Uniform>
60	MC	42	742	-0.38	1.34	0.247	-2.09	1.02	0.313	0.03	0.70	0.402	
61	MC	42	742	-0.06	0.03	0.872	-2.93	1.24	0.266	0.04	1.22	0.269	
62	MC	42	742	-0.65	3.75	0.053	-2.16	0.98	0.323	0.02	0.49	0.484	
63	MC	42	742	-0.63	3.45	0.063	-1.52	0.49	0.485	0.01	0.17	0.678	
64	MC	42	742	0.36	1.15	0.283	-0.88	0.19	0.665	0.02	0.38	0.536	
65	MC	42	742	-0.62	3.42	0.065	0.78	0.20	0.656	-0.02	0.65	0.419	
66	MC	42	742	0.13	0.12	0.728	0.05	0.00	0.977	0.00	0.00	0.968	
67	MC	42	742	-0.13	0.16	0.686	-1.39	0.58	0.445	0.02	0.50	0.479	
68	MC	42	742	-1.14	7.21	0.007	2.86	2.25	0.134	-0.06	4.18	0.041	Uniform<
69	MC	42	742	0.12	0.14	0.710	-3.64	2.50	0.114	0.06	2.80	0.094	
70	MC	42	742	-0.70	3.75	0.053	-0.83	0.20	0.656	0.00	0.01	0.941	
71	MC	42	742	-0.36	1.14	0.287	0.08	0.00	0.966	-0.01	0.06	0.813	
72	MC	42	742	-0.91	6.51	0.011	2.67	2.48	0.115	-0.05	4.41	0.036	

**Table F.240: Logistic Regression DIF Results on Stage V Reading Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
73	MC	42	742	-0.93	4.79	0.029	0.63	0.08	0.771	-0.02	0.52	0.469	
74	MC	42	742	-0.27	0.59	0.443	1.43	0.65	0.419	-0.03	0.94	0.333	
75	MC	42	742	-0.37	1.21	0.271	-4.49	3.34	0.068	0.06	2.98	0.084	
76	MC	42	742	-0.34	1.02	0.312	-2.03	0.83	0.362	0.02	0.60	0.440	
77	MC	38	741	0.13	0.12	0.734	1.16	0.34	0.562	-0.02	0.28	0.598	
78	MC	38	741	0.66	1.60	0.206	2.31	0.86	0.354	-0.03	0.47	0.491	
79	MC	38	741	-0.32	0.46	0.496	-1.26	0.26	0.607	0.02	0.15	0.699	
80	MC	38	741	-0.02	0.00	0.963	1.14	0.21	0.644	-0.02	0.22	0.636	
81	MC	38	741	-0.40	1.32	0.251	-2.66	1.47	0.225	0.04	1.09	0.295	
82	MC	38	741	0.29	0.71	0.401	-1.36	0.40	0.528	0.03	0.61	0.436	
83	MC	38	741	-0.16	0.18	0.671	-1.91	0.64	0.424	0.03	0.56	0.454	
84	MC	38	741	0.09	0.07	0.794	-0.92	0.17	0.684	-0.02	0.21	0.650	
85	MC	38	741	-0.36	1.13	0.288	0.59	0.10	0.752	-0.02	0.27	0.606	
86	MC	38	741	-0.05	0.02	0.886	2.27	1.41	0.234	-0.04	1.50	0.220	
87	MC	38	741	-0.76	4.92	0.026	1.50	0.64	0.424	-0.04	1.48	0.224	
88	MC	38	741	-0.78	4.65	0.031	-1.23	0.27	0.602	0.01	0.04	0.846	
89	MC	38	741	-0.09	0.06	0.800	0.25	0.02	0.898	-0.01	0.03	0.860	
90	MC	38	741	-0.65	3.62	0.057	-2.28	1.03	0.310	0.03	0.54	0.463	
91	MC	38	741	-0.37	1.01	0.314	-0.07	0.00	0.973	0.00	0.02	0.891	
92	MC	38	741	0.27	0.59	0.443	-2.74	1.08	0.299	0.05	1.33	0.249	
93	MC	38	741	0.09	0.06	0.812	3.09	2.38	0.123	-0.05	2.24	0.135	
94	MC	38	741	-0.14	0.14	0.706	2.72	1.73	0.188	-0.05	1.91	0.167	
95	MC	38	741	-0.84	5.01	0.025	2.16	1.15	0.283	-0.05	2.21	0.137	
96	MC	38	741	0.18	0.27	0.605	-1.03	0.22	0.641	0.02	0.31	0.575	
97	MC	38	741	0.05	0.02	0.881	1.28	0.39	0.530	-0.02	0.37	0.544	
98	MC	38	741	-0.01	0.00	0.981	2.38	1.44	0.230	-0.04	1.46	0.227	
99	MC	38	741	0.20	0.31	0.576	-0.11	0.00	0.962	0.00	0.02	0.891	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.241: Logistic Regression DIF Results on Stage V Reading Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	566	2747	-0.60	25.28	0.000	-1.29	4.94	0.026	0.01	1.45	0.228	Uniform<
2	MC	566	2747	-0.23	4.86	0.028	0.77	2.22	0.136	-0.02	3.81	0.051	
3	MC	566	2747	-0.53	31.18	0.000	-1.11	4.66	0.031	0.01	1.30	0.255	Uniform<
4	MC	566	2747	-0.50	25.64	0.000	-0.17	0.11	0.744	-0.01	0.44	0.507	Uniform<
5	MC	566	2747	-0.38	14.30	0.000	0.58	1.28	0.259	-0.01	3.60	0.058	Uniform<
6	MC	566	2747	-0.71	49.72	0.000	-0.94	2.66	0.103	0.00	0.18	0.675	Uniform<
7	MC	566	2747	-0.10	0.88	0.348	2.46	24.68	0.000	-0.04	27.03	0.000	NonUniform
8	MC	163	762	-0.66	11.90	0.001	-0.81	0.75	0.387	0.00	0.03	0.872	Uniform<
9	MC	163	762	-0.69	12.49	0.000	-0.11	0.01	0.910	-0.01	0.34	0.562	Uniform<
10	MC	163	762	-0.68	7.08	0.008	0.30	0.08	0.780	-0.02	0.90	0.343	Uniform<
11	MC	163	762	0.06	0.07	0.785	-3.26	5.32	0.021	0.05	5.88	0.015	
12	MC	163	762	-0.41	5.08	0.024	-1.89	3.66	0.056	0.02	2.33	0.127	
13	MC	163	762	-0.21	1.20	0.274	-1.75	2.64	0.104	0.02	2.11	0.146	
14	MC	163	762	-0.84	20.76	0.000	-0.09	0.01	0.926	-0.01	0.61	0.436	Uniform<
15	MC	163	762	-0.07	0.12	0.728	0.28	0.06	0.804	0.00	0.10	0.755	
16	MC	163	762	-0.53	8.09	0.004	0.48	0.23	0.634	-0.01	1.02	0.312	Uniform<
17	MC	163	762	-0.21	1.14	0.286	-0.98	0.76	0.385	0.01	0.49	0.485	
18	MC	163	762	0.14	0.58	0.448	0.42	0.19	0.664	0.00	0.09	0.766	
19	MC	163	762	-1.02	30.90	0.000	-2.54	5.34	0.021	0.02	1.99	0.159	Uniform<
20	MC	163	762	-0.92	21.33	0.000	-1.13	1.18	0.277	0.00	0.04	0.836	Uniform<
21	MC	163	762	-0.11	0.33	0.566	0.40	0.17	0.683	-0.01	0.28	0.597	
22	MC	163	762	-0.91	24.54	0.000	0.08	0.01	0.928	-0.01	1.16	0.281	Uniform<
23	MC	163	762	-0.52	7.69	0.006	1.71	3.36	0.067	-0.03	5.81	0.016	Uniform<
24	MC	163	762	-1.25	42.40	0.000	0.22	0.05	0.821	-0.02	2.25	0.134	Uniform<
25	MC	163	762	-0.07	0.13	0.722	2.03	4.86	0.028	-0.03	5.28	0.022	
26	MC	163	762	-0.10	0.29	0.591	1.24	1.62	0.203	-0.02	1.95	0.163	
27	MC	163	762	-0.51	5.98	0.014	0.22	0.04	0.834	-0.01	0.49	0.482	
28	MC	163	762	-0.10	0.26	0.612	-0.53	0.24	0.623	0.01	0.17	0.683	
29	MC	163	762	-0.37	2.50	0.113	1.09	0.88	0.348	-0.02	1.61	0.205	
30	MC	163	762	-0.25	1.67	0.196	0.58	0.36	0.549	-0.01	0.76	0.385	
31	MC	100	725	-0.01	0.00	0.957	-1.97	3.05	0.081	0.03	3.14	0.076	
32	MC	100	725	-0.01	0.00	0.978	-0.69	0.42	0.518	0.01	0.43	0.512	
33	MC	100	725	-1.24	15.76	0.000	0.04	0.00	0.978	-0.02	1.10	0.293	Uniform<
34	MC	100	725	-0.70	9.28	0.002	-2.85	4.38	0.036	0.03	2.58	0.108	Uniform<
35	MC	100	725	-0.95	16.28	0.000	-1.99	2.40	0.121	0.02	0.68	0.410	Uniform<
36	MC	100	725	0.91	14.92	0.000	1.72	2.29	0.131	-0.01	0.53	0.466	Uniform>
37	MC	100	725	-0.22	0.84	0.359	0.02	0.00	0.990	0.00	0.04	0.839	
38	MC	100	725	0.10	0.17	0.678	-2.71	3.51	0.061	0.04	4.03	0.045	
39	MC	100	725	-0.36	2.55	0.110	-1.05	0.84	0.360	0.01	0.37	0.541	
40	MC	100	725	-1.58	42.00	0.000	-1.45	1.41	0.235	0.00	0.01	0.910	Uniform<
41	MC	100	725	0.02	0.01	0.934	0.01	0.00	0.995	0.00	0.00	0.991	
42	MC	100	725	-0.42	3.60	0.058	0.31	0.09	0.768	-0.01	0.49	0.485	
43	MC	100	725	-0.42	3.25	0.072	0.04	0.00	0.976	-0.01	0.14	0.707	
44	MC	100	725	-0.71	10.18	0.001	-1.90	2.54	0.111	0.02	1.05	0.306	Uniform<
45	MC	100	725	-0.52	5.21	0.023	0.57	0.28	0.599	-0.02	1.05	0.305	
46	MC	100	725	-0.92	16.68	0.000	-2.57	3.87	0.049	0.03	1.66	0.197	Uniform<
47	MC	100	725	-0.08	0.11	0.741	-0.47	0.14	0.705	0.01	0.10	0.747	
48	MC	100	725	-0.70	5.38	0.020	2.22	2.44	0.118	-0.05	4.11	0.043	
49	MC	100	725	-0.66	7.83	0.005	-0.60	0.23	0.634	0.00	0.00	0.960	Uniform<
50	MC	100	725	-0.74	8.58	0.003	1.17	0.85	0.357	-0.03	2.28	0.131	Uniform<
51	MC	100	725	-0.36	2.30	0.129	-1.09	0.68	0.408	0.01	0.32	0.573	
52	MC	100	725	-0.35	1.94	0.164	1.67	1.95	0.163	-0.03	2.87	0.090	
53	MC	100	725	-0.31	1.68	0.195	0.07	0.00	0.948	-0.01	0.12	0.731	
54	MC	154	630	-1.00	22.03	0.000	-3.12	6.71	0.010	0.03	3.22	0.073	Uniform<
55	MC	154	630	0.59	8.18	0.004	-2.69	4.55	0.033	0.05	6.94	0.008	NonUniform
56	MC	154	630	-0.71	6.26	0.012	-2.45	4.41	0.036	0.03	2.31	0.129	
57	MC	154	630	-0.44	5.23	0.022	-2.70	4.73	0.030	0.03	3.46	0.063	
58	MC	154	630	-0.57	7.26	0.007	-1.50	1.86	0.173	0.02	0.75	0.388	Uniform<
59	MC	154	630	-0.02	0.01	0.918	0.54	0.31	0.576	-0.01	0.35	0.556	
60	MC	154	630	-0.01	0.01	0.941	1.36	2.18	0.140	-0.02	2.32	0.128	
61	MC	154	630	-0.39	4.02	0.045	-0.48	0.16	0.689	0.00	0.00	0.944	
62	MC	154	630	-0.77	15.66	0.000	-1.89	2.76	0.097	0.02	1.02	0.313	Uniform<
63	MC	154	630	-0.83	18.03	0.000	-0.83	0.55	0.459	0.00	0.00	0.996	Uniform<
64	MC	154	630	-0.30	2.42	0.120	0.21	0.04	0.843	-0.01	0.23	0.628	
65	MC	154	630	-0.33	3.16	0.075	0.21	0.05	0.832	-0.01	0.31	0.576	
66	MC	154	630	-0.85	18.56	0.000	-1.29	1.37	0.242	0.01	0.17	0.684	Uniform<
67	MC	154	630	-0.75	15.30	0.000	-0.91	0.83	0.362	0.00	0.03	0.869	Uniform<
68	MC	154	630	-0.32	2.63	0.105	-0.07	0.00	0.947	0.00	0.06	0.810	
69	MC	154	630	-0.29	2.34	0.126	-0.18	0.03	0.853	0.00	0.01	0.911	
70	MC	154	630	-0.35	3.37	0.066	0.21	0.05	0.818	-0.01	0.38	0.535	
71	MC	154	630	-0.68	12.19	0.000	0.49	0.22	0.638	-0.02	1.30	0.254	Uniform<
72	MC	154	630	-0.23	1.49	0.222	1.23	1.69	0.193	-0.02	2.45	0.117	

**Table F.241: Logistic Regression DIF Results on Stage V Reading Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
73	MC	154	630	-0.37	3.18	0.075	-0.48	0.18	0.670	0.00	0.01	0.920	
74	MC	154	630	-0.02	0.01	0.915	0.34	0.11	0.736	-0.01	0.13	0.717	
75	MC	154	630	-0.04	0.05	0.830	-0.21	0.05	0.821	0.00	0.04	0.851	
76	MC	154	630	-0.65	10.90	0.001	-0.05	0.00	0.963	-0.01	0.33	0.568	Uniform<
77	MC	149	630	-0.90	21.12	0.000	-3.82	8.99	0.003	0.05	5.38	0.020	Uniform<
78	MC	149	630	0.23	0.78	0.378	-0.35	0.07	0.793	0.01	0.19	0.661	
79	MC	149	630	-0.87	11.21	0.001	-1.49	1.44	0.231	0.01	0.26	0.610	Uniform<
80	MC	149	630	-0.33	1.55	0.214	-0.80	0.30	0.584	0.01	0.11	0.744	
81	MC	149	630	-0.42	4.88	0.027	-0.63	0.39	0.531	0.00	0.04	0.836	
82	MC	149	630	-0.35	2.98	0.085	-0.06	0.00	0.960	0.00	0.08	0.784	
83	MC	149	630	-0.50	5.61	0.018	-1.97	2.53	0.112	0.02	1.47	0.225	
84	MC	149	630	-0.71	12.22	0.000	-1.49	1.47	0.225	0.01	0.42	0.517	Uniform<
85	MC	149	630	-0.43	5.33	0.021	-0.92	0.82	0.366	0.01	0.24	0.627	
86	MC	149	630	-0.04	0.04	0.847	-1.24	1.10	0.294	0.02	1.07	0.301	
87	MC	149	630	-0.69	13.90	0.000	-2.51	5.91	0.015	0.03	3.23	0.072	Uniform<
88	MC	149	630	-0.83	17.86	0.000	-2.64	4.21	0.040	0.03	2.04	0.154	Uniform<
89	MC	149	630	-0.74	15.20	0.000	-2.72	5.42	0.020	0.03	2.96	0.085	Uniform<
90	MC	149	630	0.00	0.00	0.996	-0.83	0.59	0.441	0.01	0.61	0.434	
91	MC	149	630	-0.26	1.77	0.184	-1.94	2.59	0.107	0.03	2.01	0.156	
92	MC	149	630	-0.07	0.11	0.738	1.21	1.28	0.258	-0.02	1.47	0.226	
93	MC	149	630	-0.57	6.30	0.012	1.69	1.95	0.163	-0.04	3.51	0.061	
94	MC	149	630	-0.38	3.13	0.077	1.36	1.39	0.239	-0.03	2.30	0.129	
95	MC	149	630	-0.73	13.79	0.000	-2.26	3.39	0.066	0.02	1.60	0.205	Uniform<
96	MC	149	630	-0.55	6.43	0.011	-0.83	0.46	0.495	0.00	0.05	0.815	
97	MC	149	630	-0.33	2.51	0.113	-2.09	2.63	0.105	0.03	1.94	0.164	
98	MC	149	630	0.02	0.01	0.930	-0.80	0.53	0.467	0.01	0.58	0.448	
99	MC	149	630	-0.16	0.60	0.438	0.11	0.01	0.926	0.00	0.05	0.820	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.242: Logistic Regression DIF Results on Stage V Reading Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	1807	1506	0.56	30.82	0.000	0.75	3.91	0.048	0.00	0.28	0.596	Uniform>
2	MC	1807	1506	0.24	9.90	0.002	0.39	1.22	0.270	0.00	0.19	0.662	Uniform>
3	MC	1807	1506	-0.03	0.12	0.726	-0.33	1.07	0.301	0.00	0.96	0.327	
4	MC	1807	1506	0.27	14.23	0.000	0.77	5.46	0.019	-0.01	2.39	0.122	Uniform>
5	MC	1807	1506	0.05	0.41	0.520	-0.39	1.33	0.249	0.01	1.75	0.186	
6	MC	1807	1506	-0.30	15.44	0.000	-0.54	2.11	0.146	0.00	0.42	0.517	Uniform<
7	MC	1807	1506	0.23	9.04	0.003	-0.02	0.00	0.947	0.00	0.52	0.469	Uniform>
8	MC	463	462	0.22	1.91	0.167	-0.79	1.51	0.219	0.02	2.60	0.107	
9	MC	463	462	0.03	0.04	0.836	-0.77	1.16	0.281	0.01	1.33	0.249	
10	MC	463	462	-0.37	2.83	0.093	-0.44	0.31	0.576	0.00	0.01	0.923	
11	MC	463	462	-0.13	0.59	0.441	-0.19	0.06	0.806	0.00	0.01	0.932	
12	MC	463	462	-0.67	21.07	0.000	-1.36	4.66	0.031	0.01	1.27	0.260	Uniform<
13	MC	463	462	-0.31	4.13	0.042	0.74	1.16	0.281	-0.02	2.47	0.116	
14	MC	463	462	-0.10	0.49	0.485	-0.75	1.31	0.253	0.01	1.04	0.309	
15	MC	463	462	-0.12	0.70	0.404	-0.25	0.10	0.752	0.00	0.03	0.869	
16	MC	463	462	0.09	0.37	0.542	-0.28	0.16	0.686	0.01	0.29	0.591	
17	MC	463	462	-0.07	0.24	0.627	0.62	0.76	0.383	-0.01	0.99	0.320	
18	MC	463	462	0.13	0.80	0.370	0.18	0.07	0.795	0.00	0.01	0.936	
19	MC	463	462	-0.25	3.10	0.078	-0.10	0.02	0.877	0.00	0.06	0.804	
20	MC	463	462	-0.20	1.45	0.229	0.15	0.04	0.834	-0.01	0.26	0.613	
21	MC	463	462	0.28	3.82	0.051	0.11	0.03	0.870	0.00	0.07	0.789	
22	MC	463	462	0.52	14.44	0.000	-1.21	3.86	0.050	0.03	8.24	0.004	NonUniform
23	MC	463	462	-0.35	6.32	0.012	-0.32	0.24	0.626	0.00	0.00	0.970	
24	MC	463	462	0.17	1.51	0.219	-0.56	0.78	0.378	0.01	1.39	0.239	
25	MC	463	462	-0.07	0.23	0.632	-0.46	0.49	0.483	0.01	0.37	0.540	
26	MC	463	462	0.06	0.17	0.678	1.04	2.21	0.137	-0.01	2.05	0.152	
27	MC	463	462	-0.06	0.17	0.681	-0.57	0.73	0.391	0.01	0.62	0.431	
28	MC	463	462	0.01	0.01	0.920	-0.51	0.52	0.471	0.01	0.58	0.448	
29	MC	463	462	-0.06	0.11	0.738	-0.93	1.43	0.232	0.01	1.33	0.249	
30	MC	463	462	-0.05	0.12	0.728	-1.30	3.97	0.046	0.02	3.87	0.049	
31	MC	469	356	0.17	1.46	0.227	0.31	0.32	0.574	0.00	0.07	0.798	
32	MC	469	356	-0.11	0.62	0.431	0.74	1.77	0.183	-0.01	2.52	0.113	
33	MC	469	356	0.25	0.99	0.319	-0.21	0.08	0.784	0.01	0.41	0.520	
34	MC	469	356	0.54	11.16	0.001	1.22	3.36	0.067	-0.01	1.11	0.293	Uniform>
35	MC	469	356	0.45	6.92	0.009	0.55	0.67	0.413	0.00	0.02	0.876	Uniform>
36	MC	469	356	-0.11	0.50	0.478	-0.98	1.84	0.175	0.01	1.52	0.217	
37	MC	469	356	0.01	0.01	0.937	0.14	0.04	0.845	0.00	0.03	0.855	
38	MC	469	356	0.49	8.65	0.003	1.42	3.97	0.046	-0.01	1.82	0.177	Uniform>
39	MC	469	356	0.02	0.02	0.894	-0.26	0.19	0.662	0.00	0.24	0.626	
40	MC	469	356	-0.09	0.26	0.613	0.75	1.25	0.264	-0.02	1.70	0.193	
41	MC	469	356	0.24	2.66	0.103	-0.23	0.13	0.714	0.01	0.61	0.434	
42	MC	469	356	-0.02	0.03	0.868	0.55	0.90	0.344	-0.01	1.04	0.308	
43	MC	469	356	-0.09	0.32	0.570	-1.72	6.09	0.014	0.03	5.79	0.016	
44	MC	469	356	0.16	1.13	0.287	-0.50	0.72	0.396	0.01	1.35	0.246	
45	MC	469	356	-0.49	9.01	0.003	0.59	0.82	0.364	-0.02	2.92	0.087	Uniform<
46	MC	469	356	-0.03	0.05	0.823	-0.03	0.00	0.964	0.00	0.00	0.991	
47	MC	469	356	0.32	4.06	0.044	-0.55	0.67	0.414	0.01	1.75	0.186	
48	MC	469	356	0.13	0.61	0.435	-1.25	2.67	0.102	0.02	3.43	0.064	
49	MC	469	356	0.11	0.59	0.442	0.95	2.09	0.148	-0.01	1.71	0.191	
50	MC	469	356	0.56	12.61	0.000	0.75	1.02	0.312	0.00	0.07	0.791	Uniform>
51	MC	469	356	-0.02	0.01	0.905	1.56	5.19	0.023	-0.02	5.62	0.018	
52	MC	469	356	0.08	0.26	0.609	0.58	0.74	0.388	-0.01	0.59	0.444	
53	MC	469	356	-0.36	5.68	0.017	0.41	0.51	0.474	-0.01	1.92	0.166	
54	MC	384	400	-0.12	0.39	0.534	0.46	0.34	0.558	-0.01	0.57	0.450	
55	MC	384	400	-0.50	9.49	0.002	0.79	0.98	0.321	-0.02	2.74	0.098	Uniform<
56	MC	384	400	-0.20	0.59	0.443	1.87	3.93	0.048	-0.04	5.28	0.022	
57	MC	384	400	-0.31	4.07	0.044	-0.42	0.30	0.581	0.00	0.02	0.876	
58	MC	384	400	-0.04	0.04	0.840	0.00	0.00	0.999	0.00	0.00	0.961	
59	MC	384	400	-0.32	4.40	0.036	-0.44	0.34	0.562	0.00	0.03	0.869	
60	MC	384	400	-0.29	3.55	0.060	-0.35	0.23	0.634	0.00	0.01	0.937	
61	MC	384	400	-0.32	3.87	0.049	-1.97	4.71	0.030	0.02	3.44	0.063	
62	MC	384	400	-0.30	3.34	0.067	0.93	1.45	0.228	-0.02	2.62	0.105	
63	MC	384	400	-0.07	0.21	0.647	-0.76	0.89	0.344	0.01	0.76	0.383	
64	MC	384	400	-0.32	4.25	0.039	-1.57	3.54	0.060	0.02	2.35	0.126	
65	MC	384	400	-0.14	0.90	0.344	1.01	1.81	0.179	-0.02	2.45	0.118	
66	MC	384	400	-0.20	1.51	0.219	-0.42	0.29	0.593	0.00	0.08	0.778	
67	MC	384	400	-0.09	0.39	0.532	-0.99	2.08	0.149	0.01	1.80	0.180	
68	MC	384	400	0.75	23.55	0.000	1.20	2.40	0.121	-0.01	0.35	0.555	Uniform>
69	MC	384	400	0.10	0.46	0.495	-0.37	0.27	0.605	0.01	0.45	0.500	
70	MC	384	400	-0.24	2.60	0.107	-0.02	0.00	0.977	0.00	0.11	0.739	
71	MC	384	400	-0.07	0.19	0.663	-0.90	1.33	0.248	0.01	1.19	0.275	
72	MC	384	400	0.08	0.28	0.598	0.25	0.11	0.735	0.00	0.06	0.813	

**Table F.242: Logistic Regression DIF Results on Stage V Reading Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
73	MC	384	400	-0.14	0.75	0.387	-1.15	2.08	0.149	0.01	1.69	0.193	
74	MC	384	400	-0.20	1.59	0.207	0.71	0.83	0.361	-0.01	1.41	0.235	
75	MC	384	400	0.00	0.00	0.984	-1.31	3.56	0.059	0.02	3.72	0.054	
76	MC	384	400	-0.11	0.55	0.457	-0.82	1.13	0.288	0.01	0.88	0.349	
77	MC	491	288	0.14	0.63	0.429	1.50	3.52	0.061	-0.02	3.04	0.081	
78	MC	491	288	-0.60	6.91	0.009	-0.91	0.95	0.330	0.01	0.12	0.727	Uniform<
79	MC	491	288	0.35	2.11	0.146	1.09	1.42	0.233	-0.01	0.70	0.403	
80	MC	491	288	-0.46	5.68	0.017	1.08	1.34	0.247	-0.02	2.89	0.089	
81	MC	491	288	0.41	6.19	0.013	1.07	2.18	0.140	-0.01	0.89	0.347	
82	MC	491	288	0.00	0.00	0.993	0.59	0.58	0.447	-0.01	0.60	0.438	
83	MC	491	288	0.04	0.07	0.785	0.26	0.11	0.741	0.00	0.08	0.778	
84	MC	491	288	0.11	0.52	0.471	-0.31	0.15	0.696	0.01	0.29	0.588	
85	MC	491	288	0.24	2.57	0.109	-0.60	0.76	0.384	0.01	1.57	0.210	
86	MC	491	288	0.04	0.07	0.786	0.47	0.33	0.567	-0.01	0.28	0.595	
87	MC	491	288	0.68	19.76	0.000	-0.60	0.81	0.368	0.02	3.84	0.050	Uniform>
88	MC	491	288	0.30	3.39	0.065	-0.33	0.17	0.678	0.01	0.65	0.421	
89	MC	491	288	0.74	21.44	0.000	0.42	0.32	0.572	0.01	0.19	0.659	Uniform>
90	MC	491	288	-0.31	3.29	0.070	-0.25	0.11	0.743	0.00	0.01	0.934	
91	MC	491	288	-0.44	7.94	0.005	-1.67	4.80	0.028	0.02	2.72	0.099	Uniform<
92	MC	491	288	0.17	1.09	0.296	-0.18	0.05	0.830	0.01	0.18	0.672	
93	MC	491	288	0.06	0.13	0.723	0.82	0.85	0.358	-0.01	0.76	0.384	
94	MC	491	288	0.15	0.79	0.375	0.59	0.45	0.502	-0.01	0.26	0.607	
95	MC	491	288	0.00	0.00	0.983	0.73	0.85	0.356	-0.01	0.89	0.344	
96	MC	491	288	0.23	1.94	0.163	0.22	0.08	0.782	0.00	0.00	0.996	
97	MC	491	288	0.26	2.45	0.117	1.29	2.20	0.138	-0.02	1.48	0.224	
98	MC	491	288	-0.09	0.31	0.580	1.44	3.26	0.071	-0.02	3.88	0.049	
99	MC	491	288	-0.02	0.02	0.881	-1.32	2.23	0.136	0.02	2.21	0.137	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.243: Logistic Regression DIF Results on Stage V Reading Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NU}$	Wald $\chi^2$	p-value	$\beta_2^{NU}$	Wald $\chi^2$	p-value	
1	MC	1807	662	0.42	10.08	0.001	0.77	2.18	0.140	-0.01	0.48	0.489	Uniform>
2	MC	1807	662	0.19	3.59	0.058	-0.16	0.12	0.729	0.01	0.58	0.445	
3	MC	1807	662	0.03	0.08	0.775	-0.56	1.69	0.193	0.01	1.96	0.162	
4	MC	1807	662	0.27	8.08	0.004	0.07	0.02	0.879	0.00	0.22	0.636	Uniform>
5	MC	1807	662	0.10	1.01	0.315	-0.60	1.73	0.189	0.01	2.43	0.119	
6	MC	1807	662	0.01	0.02	0.899	-0.74	2.29	0.130	0.01	2.46	0.117	
7	MC	1807	662	0.30	8.64	0.003	0.48	0.87	0.352	0.00	0.13	0.719	Uniform>
8	MC	463	172	0.41	3.86	0.049	-1.01	1.24	0.265	0.02	2.60	0.107	
9	MC	463	172	0.40	3.67	0.055	-0.99	1.01	0.316	0.02	2.06	0.151	
10	MC	463	172	-0.02	0.00	0.949	-1.14	1.10	0.293	0.02	1.17	0.280	
11	MC	463	172	-0.03	0.02	0.884	1.70	1.62	0.203	-0.02	1.77	0.183	
12	MC	463	172	-0.50	6.28	0.012	-1.40	2.43	0.119	0.01	1.07	0.302	
13	MC	463	172	-0.11	0.29	0.589	0.50	0.26	0.612	-0.01	0.40	0.527	
14	MC	463	172	0.02	0.01	0.933	-0.68	0.52	0.472	0.01	0.57	0.452	
15	MC	463	172	-0.24	1.50	0.221	-0.15	0.02	0.895	0.00	0.01	0.938	
16	MC	463	172	0.30	2.42	0.120	0.29	0.07	0.786	0.00	0.00	0.995	
17	MC	463	172	0.28	1.95	0.162	0.34	0.10	0.755	0.00	0.00	0.961	
18	MC	463	172	-0.15	0.66	0.417	-0.89	0.90	0.343	0.01	0.64	0.423	
19	MC	463	172	0.11	0.34	0.561	0.73	0.58	0.448	-0.01	0.43	0.510	
20	MC	463	172	0.12	0.28	0.596	-0.25	0.06	0.803	0.01	0.14	0.708	
21	MC	463	172	0.41	4.10	0.043	1.06	0.95	0.331	-0.01	0.37	0.543	
22	MC	463	172	0.56	8.77	0.003	-1.09	1.50	0.221	0.02	3.53	0.060	Uniform>
23	MC	463	172	-0.05	0.08	0.783	-0.84	0.78	0.376	0.01	0.72	0.397	
24	MC	463	172	0.39	4.31	0.038	-0.92	1.02	0.313	0.02	2.14	0.143	
25	MC	463	172	0.19	0.92	0.338	-1.29	1.88	0.171	0.02	2.56	0.110	
26	MC	463	172	-0.03	0.03	0.867	0.13	0.02	0.898	0.00	0.03	0.870	
27	MC	463	172	0.17	0.74	0.391	-0.03	0.00	0.975	0.00	0.04	0.838	
28	MC	463	172	0.18	0.81	0.367	-0.52	0.25	0.614	0.01	0.47	0.491	
29	MC	463	172	0.54	4.38	0.036	-1.72	2.13	0.144	0.03	3.70	0.055	
30	MC	463	172	0.34	2.72	0.099	0.48	0.19	0.664	0.00	0.02	0.896	
31	MC	469	129	0.00	0.00	0.995	0.57	0.46	0.498	-0.01	0.49	0.484	
32	MC	469	129	-0.49	5.89	0.015	0.12	0.02	0.884	-0.01	0.58	0.445	
33	MC	469	129	0.80	6.13	0.013	-0.06	0.00	0.956	0.02	0.75	0.388	
34	MC	469	129	0.69	9.30	0.002	1.53	2.20	0.138	-0.01	0.70	0.401	Uniform>
35	MC	469	129	0.50	4.48	0.034	0.93	0.82	0.365	-0.01	0.18	0.671	
36	MC	469	129	-0.28	1.62	0.203	-1.26	1.57	0.211	0.02	1.00	0.318	
37	MC	469	129	-0.20	0.69	0.405	0.70	0.41	0.524	-0.02	0.72	0.398	
38	MC	469	129	0.23	1.09	0.296	0.43	0.19	0.662	0.00	0.04	0.839	
39	MC	469	129	0.12	0.27	0.600	0.18	0.04	0.844	0.00	0.01	0.942	
40	MC	469	129	0.05	0.04	0.837	1.19	1.31	0.253	-0.02	1.27	0.260	
41	MC	469	129	0.08	0.15	0.699	-0.07	0.01	0.935	0.00	0.03	0.862	
42	MC	469	129	-0.03	0.02	0.882	0.00	0.00	0.998	0.00	0.00	0.973	
43	MC	469	129	-0.04	0.03	0.856	-2.30	5.91	0.015	0.03	5.93	0.015	
44	MC	469	129	0.10	0.23	0.634	0.91	0.90	0.344	-0.01	0.74	0.388	
45	MC	469	129	-0.59	6.26	0.012	-0.64	0.49	0.484	0.00	0.00	0.952	
46	MC	469	129	-0.09	0.18	0.671	-0.12	0.02	0.897	0.00	0.00	0.977	
47	MC	469	129	0.24	1.15	0.283	0.56	0.27	0.604	0.00	0.09	0.758	
48	MC	469	129	0.56	4.48	0.034	-0.61	0.24	0.628	0.02	0.88	0.348	
49	MC	469	129	0.23	1.21	0.271	1.87	2.93	0.087	-0.02	2.37	0.123	
50	MC	469	129	0.58	6.74	0.009	1.61	1.75	0.186	-0.02	0.76	0.383	Uniform>
51	MC	469	129	-0.08	0.14	0.703	0.89	0.83	0.363	-0.01	1.04	0.308	
52	MC	469	129	-0.09	0.16	0.692	-0.53	0.34	0.562	0.01	0.25	0.618	
53	MC	469	129	-0.39	3.44	0.063	-0.11	0.02	0.893	0.00	0.11	0.738	
54	MC	384	232	0.08	0.16	0.687	0.32	0.13	0.720	0.00	0.07	0.786	
55	MC	384	232	-0.40	4.56	0.033	0.73	0.63	0.427	-0.02	1.57	0.211	
56	MC	384	232	-0.07	0.06	0.806	1.88	3.17	0.075	-0.03	3.67	0.056	
57	MC	384	232	-0.41	5.57	0.018	-1.23	2.14	0.144	0.01	0.99	0.320	
58	MC	384	232	0.06	0.10	0.757	-0.04	0.00	0.961	0.00	0.02	0.902	
59	MC	384	232	-0.46	6.63	0.010	-0.11	0.01	0.903	-0.01	0.16	0.688	
60	MC	384	232	-0.28	2.35	0.126	-0.17	0.04	0.841	0.00	0.02	0.898	
61	MC	384	232	-0.17	0.82	0.364	-2.00	3.86	0.049	0.03	3.35	0.067	
62	MC	384	232	-0.17	0.87	0.351	0.96	1.12	0.290	-0.02	1.63	0.202	
63	MC	384	232	-0.11	0.34	0.563	-0.11	0.01	0.908	0.00	0.00	0.998	
64	MC	384	232	-0.35	3.70	0.054	-1.47	2.39	0.122	0.02	1.45	0.229	
65	MC	384	232	-0.21	1.36	0.244	1.85	3.88	0.049	-0.03	4.97	0.026	
66	MC	384	232	0.00	0.00	0.987	0.14	0.02	0.880	0.00	0.02	0.875	
67	MC	384	232	-0.34	3.89	0.048	-1.29	2.75	0.097	0.01	1.58	0.209	
68	MC	384	232	0.65	12.84	0.000	1.38	2.25	0.133	-0.01	0.66	0.416	Uniform>
69	MC	384	232	0.14	0.61	0.435	-0.59	0.52	0.473	0.01	0.82	0.366	
70	MC	384	232	-0.16	0.88	0.349	-0.40	0.27	0.604	0.00	0.10	0.751	
71	MC	384	232	0.21	1.42	0.234	-0.77	0.72	0.395	0.01	1.22	0.270	
72	MC	384	232	0.11	0.39	0.534	0.46	0.28	0.598	-0.01	0.17	0.680	

**Table F.243: Logistic Regression DIF Results on Stage V Reading Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUUni}$	Wald $\chi^2$	p-value	
73	MC	384	232	-0.16	0.77	0.381	-0.91	0.99	0.319	0.01	0.70	0.402	
74	MC	384	232	-0.22	1.53	0.217	1.07	1.34	0.247	-0.02	2.04	0.153	
75	MC	384	232	-0.04	0.04	0.835	-1.61	4.21	0.040	0.02	4.23	0.040	
76	MC	384	232	-0.11	0.42	0.517	-0.57	0.40	0.527	0.01	0.27	0.607	
77	MC	491	129	0.28	1.59	0.207	2.87	5.51	0.019	-0.04	4.63	0.031	
78	MC	491	129	-0.56	3.36	0.067	-0.78	0.36	0.551	0.00	0.03	0.865	
79	MC	491	129	-0.09	0.07	0.795	-1.09	0.65	0.419	0.02	0.60	0.437	
80	MC	491	129	-0.11	0.15	0.699	1.56	1.15	0.283	-0.03	1.41	0.235	
81	MC	491	129	0.50	5.59	0.018	0.19	0.04	0.847	0.00	0.11	0.739	
82	MC	491	129	0.13	0.39	0.530	1.20	1.10	0.294	-0.02	0.91	0.339	
83	MC	491	129	0.06	0.08	0.777	-0.19	0.03	0.855	0.00	0.06	0.807	
84	MC	491	129	0.23	1.20	0.274	0.42	0.13	0.720	0.00	0.03	0.871	
85	MC	491	129	0.36	3.15	0.076	-1.45	2.38	0.123	0.03	3.84	0.050	
86	MC	491	129	0.06	0.07	0.787	-0.43	0.16	0.686	0.01	0.22	0.642	
87	MC	491	129	0.57	7.98	0.005	-0.70	0.57	0.451	0.02	1.96	0.161	Uniform>
88	MC	491	129	0.41	3.65	0.056	-0.76	0.51	0.476	0.02	1.25	0.264	
89	MC	491	129	0.72	11.72	0.001	1.42	1.66	0.198	-0.01	0.41	0.520	Uniform>
90	MC	491	129	0.01	0.00	0.980	-0.33	0.11	0.744	0.01	0.12	0.734	
91	MC	491	129	-0.11	0.28	0.595	-0.36	0.10	0.747	0.00	0.05	0.821	
92	MC	491	129	0.08	0.14	0.709	0.68	0.32	0.569	-0.01	0.26	0.608	
93	MC	491	129	0.12	0.28	0.594	0.22	0.03	0.858	0.00	0.01	0.934	
94	MC	491	129	0.36	2.51	0.113	-1.14	1.03	0.311	0.02	1.81	0.179	
95	MC	491	129	0.05	0.06	0.805	2.50	3.90	0.048	-0.04	3.88	0.049	
96	MC	491	129	0.21	0.91	0.340	-1.26	1.47	0.225	0.02	2.05	0.152	
97	MC	491	129	0.25	1.33	0.248	-0.01	0.00	0.996	0.00	0.05	0.815	
98	MC	491	129	0.04	0.04	0.844	-0.16	0.02	0.876	0.00	0.04	0.841	
99	MC	491	129	0.04	0.04	0.847	-1.95	2.88	0.090	0.03	3.07	0.080	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.244: Logistic Regression DIF Results on Stage V Reading Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
1	MC	844	662	-0.24	2.86	0.091	0.05	0.01	0.930	-0.01	0.28	0.597	Uniform>
2	MC	844	662	-0.09	0.68	0.411	-0.93	3.04	0.081	0.01	2.57	0.109	
3	MC	844	662	0.09	0.67	0.413	-0.39	0.69	0.407	0.01	1.09	0.296	
4	MC	844	662	0.00	0.00	0.986	-1.22	5.74	0.017	0.02	5.99	0.014	
5	MC	844	662	0.08	0.55	0.457	-0.35	0.49	0.485	0.01	0.78	0.377	
6	MC	844	662	0.58	24.57	0.000	-0.56	1.07	0.302	0.02	4.57	0.033	
7	MC	844	662	0.11	0.98	0.323	0.78	1.94	0.163	-0.01	1.48	0.223	
8	MC	290	172	0.27	1.44	0.230	-0.41	0.20	0.658	0.01	0.56	0.454	
9	MC	290	172	0.57	6.21	0.013	-0.63	0.38	0.540	0.02	1.42	0.234	
10	MC	290	172	0.58	3.01	0.083	-1.52	1.58	0.208	0.04	3.27	0.070	
11	MC	290	172	0.15	0.38	0.537	2.49	3.42	0.064	-0.03	3.22	0.073	Uniform>
12	MC	290	172	0.26	1.40	0.237	-0.14	0.02	0.878	0.01	0.20	0.657	
13	MC	290	172	0.39	2.74	0.098	-0.55	0.26	0.611	0.01	0.80	0.372	
14	MC	290	172	0.16	0.62	0.430	0.05	0.00	0.956	0.00	0.01	0.908	
15	MC	290	172	-0.19	0.83	0.363	0.18	0.02	0.881	-0.01	0.10	0.751	
16	MC	290	172	0.33	2.52	0.113	0.71	0.42	0.518	-0.01	0.13	0.723	
17	MC	290	172	0.59	7.17	0.007	-0.52	0.21	0.647	0.02	0.99	0.320	
18	MC	290	172	-0.45	4.90	0.027	-1.57	2.40	0.121	0.02	1.26	0.261	
19	MC	290	172	0.60	8.13	0.004	0.96	0.93	0.335	-0.01	0.14	0.712	
20	MC	290	172	0.56	4.97	0.026	-0.94	0.76	0.382	0.02	2.04	0.153	Uniform>
21	MC	290	172	0.19	0.77	0.381	1.27	1.25	0.263	-0.02	0.94	0.331	
22	MC	290	172	-0.02	0.01	0.923	0.18	0.04	0.841	0.00	0.05	0.821	
23	MC	290	172	0.49	5.72	0.017	-0.90	0.84	0.360	0.02	2.07	0.150	
24	MC	290	172	0.33	2.66	0.103	-0.62	0.43	0.514	0.01	1.05	0.306	
25	MC	290	172	0.40	3.55	0.060	-1.25	1.65	0.199	0.02	2.99	0.084	
26	MC	290	172	-0.13	0.38	0.540	-1.37	1.61	0.204	0.02	1.37	0.242	
27	MC	290	172	0.35	2.67	0.102	0.67	0.42	0.518	0.00	0.10	0.754	
28	MC	290	172	0.25	1.38	0.241	-0.07	0.00	0.946	0.00	0.10	0.757	
29	MC	290	172	0.86	10.35	0.001	-1.14	0.92	0.337	0.03	2.89	0.089	
30	MC	290	172	0.55	6.66	0.010	2.25	4.22	0.040	-0.02	2.55	0.111	Uniform>
31	MC	227	129	-0.27	1.45	0.229	0.45	0.25	0.615	-0.01	0.71	0.400	
32	MC	227	129	-0.57	6.29	0.012	-0.76	0.76	0.382	0.00	0.05	0.818	
33	MC	227	129	0.88	5.67	0.017	-0.14	0.02	0.897	0.02	1.02	0.314	
34	MC	227	129	0.28	1.23	0.268	0.34	0.09	0.758	0.00	0.00	0.956	
35	MC	227	129	0.09	0.13	0.719	0.52	0.23	0.629	-0.01	0.17	0.683	
36	MC	227	129	-0.29	1.46	0.227	-0.34	0.10	0.751	0.00	0.00	0.964	
37	MC	227	129	-0.33	1.51	0.220	0.85	0.56	0.455	-0.02	1.13	0.287	
38	MC	227	129	-0.39	2.03	0.154	-1.48	1.62	0.202	0.02	0.93	0.334	
39	MC	227	129	0.13	0.29	0.588	0.59	0.39	0.534	-0.01	0.25	0.617	
40	MC	227	129	0.28	0.89	0.345	0.55	0.25	0.615	0.00	0.07	0.796	Uniform>
41	MC	227	129	-0.28	1.43	0.232	0.30	0.09	0.759	-0.01	0.38	0.539	
42	MC	227	129	0.02	0.01	0.931	-0.83	0.82	0.364	0.01	0.92	0.338	
43	MC	227	129	0.01	0.00	0.952	-0.88	0.83	0.364	0.01	0.90	0.343	
44	MC	227	129	-0.13	0.31	0.579	1.95	3.99	0.046	-0.03	4.85	0.028	
45	MC	227	129	-0.14	0.26	0.610	-1.87	3.33	0.068	0.03	3.06	0.080	
46	MC	227	129	-0.09	0.14	0.705	-0.10	0.01	0.913	0.00	0.00	0.989	
47	MC	227	129	-0.18	0.54	0.463	1.62	2.09	0.148	-0.03	2.79	0.095	
48	MC	227	129	0.58	4.05	0.044	0.70	0.30	0.582	0.00	0.01	0.921	
49	MC	227	129	0.23	0.93	0.335	1.22	1.09	0.296	-0.01	0.75	0.386	
50	MC	227	129	0.03	0.01	0.903	1.23	0.88	0.348	-0.02	0.88	0.349	Uniform>
51	MC	227	129	-0.03	0.02	0.892	-1.03	0.86	0.354	0.02	0.84	0.360	
52	MC	227	129	-0.25	1.03	0.311	-1.70	2.64	0.104	0.02	2.01	0.156	
53	MC	227	129	0.00	0.00	0.985	-0.76	0.75	0.388	0.01	0.79	0.375	
54	MC	168	232	0.51	3.41	0.065	-0.45	0.17	0.683	0.02	0.81	0.370	
55	MC	168	232	0.22	0.82	0.364	-0.12	0.01	0.912	0.01	0.10	0.757	
56	MC	168	232	0.29	0.54	0.461	0.01	0.00	0.994	0.01	0.06	0.811	
57	MC	168	232	-0.31	2.09	0.148	-2.25	4.31	0.038	0.03	3.38	0.066	
58	MC	168	232	0.24	0.91	0.341	-0.11	0.01	0.914	0.01	0.12	0.728	
59	MC	168	232	-0.30	1.97	0.160	0.67	0.46	0.500	-0.02	0.99	0.319	
60	MC	168	232	0.05	0.05	0.826	0.41	0.18	0.671	-0.01	0.15	0.700	Uniform<
61	MC	168	232	0.36	2.64	0.104	-0.09	0.01	0.937	0.01	0.17	0.676	
62	MC	168	232	0.28	1.42	0.234	0.06	0.00	0.956	0.00	0.04	0.837	
63	MC	168	232	-0.04	0.03	0.869	1.38	1.77	0.184	-0.02	1.95	0.163	
64	MC	168	232	-0.03	0.02	0.889	0.23	0.05	0.822	0.00	0.07	0.795	
65	MC	168	232	-0.14	0.42	0.515	1.71	2.58	0.108	-0.03	3.15	0.076	
66	MC	168	232	0.52	4.79	0.029	1.22	1.39	0.238	-0.01	0.48	0.488	
67	MC	168	232	-0.57	7.45	0.006	-0.84	0.87	0.351	0.00	0.10	0.753	
68	MC	168	232	-0.26	1.19	0.275	0.37	0.10	0.750	-0.01	0.30	0.582	
69	MC	168	232	0.08	0.14	0.707	-0.49	0.27	0.605	0.01	0.38	0.538	
70	MC	168	232	0.15	0.53	0.468	-0.87	0.95	0.330	0.02	1.38	0.241	Uniform>
71	MC	168	232	0.66	9.42	0.002	0.27	0.07	0.787	0.01	0.16	0.693	
72	MC	168	232	0.07	0.12	0.725	0.49	0.23	0.634	-0.01	0.17	0.680	

**Table F.244: Logistic Regression DIF Results on Stage V Reading Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NonUni}$	Wald $\chi^2$	p-value	$\beta_2^{NonUni}$	Wald $\chi^2$	p-value	
73	MC	168	232	-0.02	0.01	0.931	0.53	0.28	0.596	-0.01	0.32	0.574	
74	MC	168	232	-0.07	0.10	0.754	0.78	0.54	0.462	-0.01	0.67	0.414	
75	MC	168	232	-0.06	0.09	0.763	-0.72	0.65	0.420	0.01	0.58	0.448	
76	MC	168	232	0.02	0.01	0.909	0.57	0.33	0.565	-0.01	0.32	0.573	
77	MC	159	129	0.30	1.13	0.288	2.28	2.51	0.113	-0.03	1.98	0.160	
78	MC	159	129	0.06	0.02	0.879	0.23	0.02	0.883	0.00	0.01	0.909	
79	MC	159	129	-0.71	3.12	0.077	-3.78	5.01	0.025	0.05	3.62	0.057	
80	MC	159	129	0.62	4.07	0.044	0.75	0.20	0.651	0.00	0.01	0.937	
81	MC	159	129	0.21	0.66	0.418	-1.69	1.85	0.174	0.03	2.43	0.119	
82	MC	159	129	0.24	0.90	0.343	1.01	0.57	0.452	-0.01	0.34	0.558	
83	MC	159	129	0.03	0.02	0.897	-0.80	0.38	0.540	0.01	0.42	0.515	
84	MC	159	129	0.20	0.66	0.417	1.22	0.81	0.368	-0.02	0.58	0.444	
85	MC	159	129	0.21	0.75	0.387	-1.51	1.71	0.191	0.03	2.30	0.129	
86	MC	159	129	0.03	0.01	0.904	-1.70	1.52	0.217	0.03	1.63	0.202	
87	MC	159	129	-0.21	0.78	0.377	-0.17	0.02	0.878	0.00	0.00	0.972	
88	MC	159	129	0.20	0.60	0.439	-0.80	0.37	0.544	0.02	0.59	0.442	
89	MC	159	129	-0.05	0.05	0.824	1.66	1.67	0.197	-0.03	1.85	0.174	
90	MC	159	129	0.60	4.76	0.029	-0.28	0.05	0.824	0.01	0.51	0.477	
91	MC	159	129	0.57	5.46	0.019	2.11	2.80	0.094	-0.02	1.56	0.212	
92	MC	159	129	-0.16	0.42	0.517	1.44	1.06	0.302	-0.02	1.37	0.243	
93	MC	159	129	0.11	0.18	0.673	-1.09	0.51	0.473	0.02	0.65	0.422	
94	MC	159	129	0.39	2.11	0.147	-3.25	4.70	0.030	0.05	6.05	0.014	
95	MC	159	129	0.10	0.16	0.690	2.83	3.85	0.050	-0.04	3.71	0.054	
96	MC	159	129	-0.03	0.01	0.911	-2.85	4.25	0.039	0.04	4.33	0.038	
97	MC	159	129	0.00	0.00	0.995	-2.49	2.72	0.099	0.04	2.82	0.093	
98	MC	159	129	0.26	0.98	0.322	-2.98	4.63	0.031	0.05	5.65	0.017	
99	MC	159	129	0.12	0.20	0.651	-1.14	0.67	0.411	0.02	0.85	0.358	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.245: Logistic Regression DIF Results on Stage V Reading Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
					$\chi^2$			$\chi^2$			$\chi^2$		
1	MC	50	662	-0.01	0.00	0.985	-3.19	1.55	0.213	0.05	1.58	0.208	
2	MC	50	662	-0.12	0.14	0.708	-0.01	0.00	0.993	0.00	0.00	0.949	
3	MC	50	662	0.08	0.07	0.799	-0.65	0.16	0.685	0.01	0.21	0.643	
4	MC	50	662	0.05	0.02	0.881	0.85	0.32	0.570	-0.01	0.30	0.584	
5	MC	50	662	-0.19	0.36	0.547	-1.45	0.62	0.432	0.02	0.49	0.485	
6	MC	50	662	-0.22	0.52	0.471	-1.82	0.81	0.369	0.02	0.64	0.424	
7	MC	50	662	0.02	0.00	0.954	2.16	1.82	0.177	-0.03	1.81	0.179	
8	MC	7	172	-0.75	0.88	0.347	-2.63	0.35	0.555	0.03	0.18	0.669	
9	MC	7	172	0.07	0.01	0.937	-80.13	0.07	0.792	1.29	0.07	0.790	
10	MC	7	172	-0.51	0.20	0.658	-372.28	0.73	0.394	6.68	0.72	0.396	
11	MC	7	172	0.89	1.18	0.277	3.33	0.61	0.435	-0.03	0.33	0.563	
12	MC	7	172	0.82	0.54	0.462	-13.68	0.38	0.537	0.24	0.38	0.540	
13	MC	7	172	0.82	0.52	0.471	1.91	0.11	0.739	-0.02	0.04	0.844	
14	MC	7	172	-0.26	0.10	0.754	-8.33	1.25	0.264	0.11	1.19	0.275	
15	MC	7	172	-0.42	0.24	0.624	0.41	0.01	0.929	-0.01	0.03	0.857	
16	MC	7	172	-1.09	1.43	0.232	-15.27	0.81	0.369	0.17	0.74	0.390	
17	MC	7	172	-0.05	0.00	0.950	-5.52	0.57	0.448	0.07	0.61	0.435	
18	MC	7	172	0.15	0.04	0.850	-0.96	0.05	0.827	0.02	0.07	0.797	
19	MC	7	172	-0.22	0.07	0.790	2.78	0.46	0.499	-0.04	0.56	0.455	
20	MC	7	172	13.24	0.00	0.979	13.26	0.00	0.972	-0.06	0.00	0.991	
21	MC	7	172	1.28	2.58	0.108	9.92	3.13	0.077	-0.12	2.57	0.109	
22	MC	7	172	-0.98	1.29	0.257	-2.53	0.24	0.622	0.02	0.10	0.756	
23	MC	7	172	0.48	0.37	0.541	4.93	1.28	0.259	-0.06	1.10	0.294	
24	MC	7	172	-1.08	1.56	0.212	3.46	0.59	0.441	-0.06	0.99	0.319	
25	MC	7	172	1.29	2.70	0.101	-4.56	0.87	0.352	0.08	1.45	0.229	
26	MC	7	172	0.73	0.84	0.360	3.71	0.79	0.374	-0.04	0.54	0.464	
27	MC	7	172	0.65	0.67	0.413	-0.50	0.01	0.910	0.02	0.07	0.790	
28	MC	7	172	0.47	0.35	0.556	-1.19	0.07	0.794	0.02	0.14	0.711	
29	MC	7	172	-12.19	0.00	0.978	-9.88	0.00	0.985	0.01	0.00	0.999	
30	MC	7	172	1.23	2.37	0.124	1.69	0.16	0.687	-0.01	0.01	0.911	
31	MC	16	129	-0.22	0.17	0.682	1.05	0.11	0.738	-0.02	0.17	0.680	
32	MC	16	129	-0.21	0.15	0.700	0.64	0.04	0.837	-0.01	0.08	0.782	
33	MC	16	129	0.64	0.35	0.554	-36.61	0.05	0.831	0.75	0.05	0.820	
34	MC	16	129	0.91	1.66	0.197	1.83	0.26	0.611	-0.01	0.07	0.794	
35	MC	16	129	-0.62	1.06	0.303	-4.12	0.68	0.409	0.05	0.50	0.479	
36	MC	16	129	2.57	5.77	0.016	-35.72	0.03	0.853	0.78	0.04	0.836	
37	MC	16	129	-0.31	0.21	0.650	-3.31	0.40	0.527	0.05	0.33	0.563	
38	MC	16	129	-0.15	0.06	0.809	-2.59	0.30	0.581	0.03	0.28	0.595	
39	MC	16	129	0.27	0.18	0.672	-4.14	0.73	0.393	0.07	0.84	0.359	
40	MC	16	129	-0.57	0.70	0.401	-0.23	0.00	0.951	-0.01	0.01	0.926	
41	MC	16	129	0.16	0.08	0.773	1.66	0.27	0.602	-0.02	0.23	0.632	
42	MC	16	129	-0.75	1.85	0.174	0.00	0.00	0.999	-0.01	0.05	0.819	
43	MC	16	129	-0.44	0.63	0.428	0.30	0.01	0.930	-0.01	0.05	0.826	
44	MC	16	129	-0.72	1.65	0.199	3.80	1.44	0.231	-0.07	2.08	0.149	
45	MC	16	129	-0.85	2.07	0.150	-63.96	1.26	0.262	0.94	1.23	0.268	
46	MC	16	129	-0.24	0.17	0.681	-63.70	1.25	0.263	0.94	1.24	0.266	
47	MC	16	129	-1.34	2.86	0.091	-12.38	1.05	0.305	0.15	0.89	0.344	
48	MC	16	129	0.02	0.00	0.982	-5.44	0.63	0.427	0.07	0.67	0.413	
49	MC	16	129	-0.16	0.08	0.776	-2.04	0.20	0.657	0.03	0.17	0.679	
50	MC	16	129	-0.99	2.06	0.152	2.00	0.20	0.653	-0.04	0.45	0.505	
51	MC	16	129	-1.16	2.94	0.086	-4.67	0.54	0.462	0.05	0.32	0.572	
52	MC	16	129	-1.28	2.66	0.103	1.27	0.10	0.757	-0.04	0.38	0.539	
53	MC	16	129	-1.00	2.23	0.135	-10.86	1.84	0.174	0.13	1.65	0.199	
54	MC	16	232	0.67	0.85	0.357	-3.99	0.97	0.324	0.09	1.32	0.251	
55	MC	16	232	0.85	1.62	0.203	0.68	0.07	0.798	0.00	0.00	0.950	
56	MC	16	232	-1.61	6.04	0.014	-4.79	1.62	0.203	0.05	0.75	0.385	
57	MC	16	232	-0.73	1.65	0.199	-8.65	1.86	0.173	0.12	1.66	0.198	
58	MC	16	232	-0.37	0.38	0.536	-3.97	0.98	0.323	0.06	0.84	0.358	
59	MC	16	232	1.64	5.71	0.017	5.45	3.02	0.082	-0.06	1.74	0.187	
60	MC	16	232	0.48	0.67	0.413	0.75	0.10	0.757	0.00	0.01	0.910	
61	MC	16	232	-0.50	0.78	0.378	-17.63	2.45	0.118	0.25	2.37	0.124	
62	MC	16	232	-1.36	5.22	0.022	-8.94	1.52	0.218	0.11	1.14	0.286	
63	MC	16	232	-1.11	3.52	0.061	1.12	0.15	0.696	-0.03	0.61	0.437	
64	MC	16	232	-0.51	0.78	0.377	2.19	0.83	0.364	-0.04	1.25	0.263	
65	MC	16	232	-2.15	7.42	0.006	4.86	3.08	0.079	-0.11	5.36	0.021	Uniform<
66	MC	16	232	0.15	0.07	0.795	1.64	0.46	0.497	-0.02	0.40	0.527	
67	MC	16	232	-1.24	4.33	0.037	-0.04	0.00	0.987	-0.02	0.23	0.629	
68	MC	16	232	-1.03	1.75	0.186	3.63	1.71	0.191	-0.08	2.52	0.112	
69	MC	16	232	-0.23	0.16	0.686	-2.75	0.64	0.425	0.04	0.57	0.448	
70	MC	16	232	-1.11	2.85	0.091	-8.61	1.64	0.200	0.11	1.38	0.240	
71	MC	16	232	0.40	0.54	0.462	1.03	0.18	0.673	-0.01	0.07	0.791	
72	MC	16	232	-0.21	0.15	0.702	4.01	3.04	0.081	-0.07	3.41	0.065	

**Table F.245: Logistic Regression DIF Results on Stage V Reading Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
73	MC	16	232	-0.71	1.17	0.279	2.31	0.82	0.367	-0.05	1.36	0.243	
74	MC	16	232	-0.83	1.53	0.216	2.45	0.82	0.365	-0.05	1.42	0.233	
75	MC	16	232	-0.51	0.85	0.356	-1.62	0.35	0.553	0.02	0.18	0.675	
76	MC	16	232	-1.63	4.41	0.036	-17.95	1.50	0.221	0.23	1.33	0.249	
77	MC	11	129	0.11	0.02	0.877	-52.06	1.24	0.265	0.86	1.24	0.266	
78	MC	11	129	-0.23	0.07	0.792	-8.61	0.74	0.390	0.15	0.72	0.395	
79	MC	11	129	-1.22	2.61	0.106	-8.46	1.19	0.275	0.12	0.90	0.344	
80	MC	11	129	1.67	6.18	0.013	4.17	0.75	0.388	-0.04	0.27	0.602	
81	MC	11	129	-0.15	0.06	0.814	-10.38	1.11	0.293	0.17	1.10	0.295	
82	MC	11	129	-0.04	0.00	0.952	-2.65	0.12	0.727	0.04	0.12	0.728	
83	MC	11	129	0.23	0.12	0.733	4.81	0.93	0.335	-0.08	0.85	0.355	
84	MC	11	129	-1.79	2.77	0.096	-269.20	0.55	0.457	3.91	0.55	0.458	
85	MC	11	129	-0.71	1.03	0.311	-10.65	1.07	0.301	0.16	0.97	0.325	
86	MC	11	129	0.22	0.12	0.728	10.83	2.03	0.154	-0.17	2.01	0.156	
87	MC	11	129	-2.33	4.80	0.028	-0.90	0.02	0.901	-0.02	0.04	0.844	
88	MC	11	129	-0.44	0.44	0.506	-5.06	0.39	0.531	0.07	0.33	0.563	
89	MC	11	129	0.03	0.00	0.961	-2.89	0.18	0.676	0.05	0.18	0.669	
90	MC	11	129	-1.05	2.54	0.111	0.96	0.04	0.846	-0.03	0.17	0.683	
91	MC	11	129	-0.46	0.41	0.520	7.00	1.79	0.181	-0.12	2.01	0.156	
92	MC	11	129	-0.97	1.41	0.235	3.04	0.26	0.609	-0.07	0.45	0.504	
93	MC	11	129	0.59	0.77	0.381	-17.32	1.54	0.214	0.29	1.67	0.196	
94	MC	11	129	0.13	0.03	0.860	0.03	0.00	0.995	0.00	0.00	0.987	
95	MC	11	129	-0.66	0.85	0.357	12.29	3.42	0.064	-0.22	3.77	0.052	
96	MC	11	129	0.31	0.22	0.642	-1.38	0.07	0.798	0.03	0.10	0.752	
97	MC	11	129	0.01	0.00	0.990	-8.23	0.64	0.425	0.13	0.66	0.417	
98	MC	11	129	-1.36	1.62	0.203	-15.60	0.72	0.397	0.22	0.64	0.425	
99	MC	11	129	-0.68	0.71	0.400	-6.13	0.33	0.564	0.09	0.27	0.602	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.246: Logistic Regression DIF Results on Stage V Reading Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	3313	1623	-0.60	28.95	0.000	-0.89	9.21	0.002	0.01	1.16	0.281	Uniform<
2	MC	3313	1623	-0.52	57.40	0.000	0.53	3.91	0.048	-0.01	16.61	0.000	NonUniform
3	MC	3313	1623	0.00	0.00	0.964	-0.60	6.51	0.011	0.01	7.16	0.007	NonUniform
4	MC	3313	1623	-0.39	33.23	0.000	-0.19	0.63	0.428	0.00	0.71	0.399	Uniform<
5	MC	3313	1623	-0.30	19.04	0.000	0.28	1.15	0.283	-0.01	5.32	0.021	Uniform<
6	MC	3313	1623	-0.19	6.34	0.012	-0.66	5.63	0.018	0.01	3.01	0.083	
7	MC	3313	1623	-0.47	46.25	0.000	0.24	0.79	0.375	-0.01	7.46	0.006	NonUniform
8	MC	925	390	-0.13	0.63	0.428	0.27	0.28	0.594	-0.01	0.72	0.397	
9	MC	925	390	-0.51	7.35	0.007	-0.46	0.66	0.416	0.00	0.01	0.935	Uniform<
10	MC	925	390	-0.04	0.04	0.849	-0.14	0.06	0.811	0.00	0.03	0.857	
11	MC	925	390	-0.54	13.74	0.000	0.48	0.62	0.431	-0.01	3.07	0.080	Uniform<
12	MC	925	390	-0.13	0.71	0.400	0.19	0.15	0.699	0.00	0.46	0.497	
13	MC	925	390	-0.35	4.37	0.036	-1.06	4.34	0.037	0.01	2.19	0.139	
14	MC	925	390	-0.45	8.33	0.004	-0.12	0.05	0.818	0.00	0.43	0.512	Uniform<
15	MC	925	390	-0.32	4.78	0.029	-1.08	3.35	0.067	0.01	1.74	0.187	
16	MC	925	390	-0.38	6.51	0.011	-0.70	1.68	0.195	0.00	0.39	0.535	
17	MC	925	390	-0.69	23.56	0.000	1.00	2.83	0.092	-0.02	8.68	0.003	NonUniform
18	MC	925	390	-0.15	1.09	0.297	1.69	6.44	0.011	-0.02	8.31	0.004	NonUniform
19	MC	925	390	-0.41	7.29	0.007	-0.14	0.08	0.776	0.00	0.33	0.566	Uniform<
20	MC	925	390	-0.31	2.72	0.099	-0.82	2.33	0.127	0.01	1.04	0.308	
21	MC	925	390	-0.46	11.07	0.001	1.10	3.89	0.049	-0.02	8.49	0.004	NonUniform
22	MC	925	390	-0.49	12.06	0.001	0.08	0.03	0.865	-0.01	1.58	0.209	Uniform<
23	MC	925	390	-0.20	1.95	0.163	0.79	1.94	0.164	-0.01	3.29	0.070	
24	MC	925	390	-0.58	14.85	0.000	-0.32	0.42	0.516	0.00	0.29	0.589	Uniform<
25	MC	925	390	-0.45	11.02	0.001	0.96	3.28	0.070	-0.02	7.70	0.006	NonUniform
26	MC	925	390	-0.69	23.75	0.000	0.94	2.49	0.115	-0.02	8.15	0.004	NonUniform
27	MC	925	390	-0.27	3.84	0.050	1.53	7.02	0.008	-0.02	10.68	0.001	NonUniform
28	MC	925	390	-0.37	7.55	0.006	-0.48	0.85	0.357	0.00	0.04	0.834	Uniform<
29	MC	925	390	-0.95	44.31	0.000	1.16	3.56	0.059	-0.03	12.83	0.000	NonUniform
30	MC	925	390	-0.39	8.74	0.003	0.45	0.79	0.374	-0.01	3.03	0.082	Uniform<
31	MC	825	491	-0.58	20.32	0.000	0.15	0.16	0.692	-0.01	4.00	0.046	Uniform<
32	MC	825	491	-0.23	3.66	0.056	0.97	5.94	0.015	-0.02	10.11	0.001	NonUniform
33	MC	825	491	-0.12	0.32	0.571	-0.48	0.84	0.359	0.01	0.57	0.452	
34	MC	825	491	-0.48	10.01	0.002	-0.87	3.77	0.052	0.01	0.84	0.360	Uniform<
35	MC	825	491	-0.22	2.14	0.143	-1.72	15.76	0.000	0.03	13.74	0.000	NonUniform
36	MC	825	491	-0.65	20.38	0.000	-0.36	0.49	0.484	0.00	0.35	0.557	Uniform<
37	MC	825	491	0.21	1.75	0.186	0.73	1.86	0.173	-0.01	1.05	0.306	
38	MC	825	491	-0.56	18.36	0.000	0.72	2.28	0.131	-0.02	7.83	0.005	NonUniform
39	MC	825	491	-0.12	0.66	0.416	0.58	1.68	0.195	-0.01	2.71	0.100	
40	MC	825	491	-0.35	4.31	0.038	-0.77	2.80	0.094	0.01	0.97	0.325	
41	MC	825	491	-0.43	10.83	0.001	-0.82	3.92	0.048	0.01	1.00	0.318	Uniform<
42	MC	825	491	-0.56	19.42	0.000	-0.67	2.92	0.087	0.00	0.10	0.755	Uniform<
43	MC	825	491	-0.73	26.45	0.000	0.10	0.04	0.841	-0.01	2.91	0.088	Uniform<
44	MC	825	491	-0.11	0.66	0.416	0.69	2.60	0.107	-0.01	3.88	0.049	
45	MC	825	491	-0.25	2.93	0.087	0.16	0.11	0.737	-0.01	0.87	0.351	
46	MC	825	491	-0.27	4.01	0.045	-0.42	1.02	0.313	0.00	0.15	0.702	
47	MC	825	491	-0.61	22.05	0.000	0.41	0.76	0.383	-0.01	5.06	0.024	Uniform<
48	MC	825	491	-0.56	17.46	0.000	-0.12	0.05	0.816	-0.01	0.80	0.372	Uniform<
49	MC	825	491	-0.08	0.41	0.521	-0.70	2.64	0.104	0.01	2.25	0.134	
50	MC	825	491	-0.67	25.10	0.000	-0.83	3.03	0.082	0.00	0.13	0.720	Uniform<
51	MC	825	491	-0.46	13.02	0.000	-0.02	0.00	0.969	-0.01	1.04	0.308	Uniform<
52	MC	825	491	-0.56	20.58	0.000	-1.11	6.72	0.010	0.01	1.78	0.182	Uniform<
53	MC	825	491	-0.35	7.84	0.005	2.30	26.24	0.000	-0.04	39.00	0.000	NonUniform
54	MC	784	350	-0.20	0.82	0.366	-0.08	0.01	0.919	0.00	0.03	0.866	
55	MC	784	350	-0.21	1.29	0.257	1.22	2.54	0.111	-0.02	3.67	0.055	
56	MC	784	350	-0.07	0.06	0.800	-0.29	0.11	0.739	0.00	0.07	0.791	
57	MC	784	350	0.08	0.28	0.598	-0.09	0.02	0.883	0.00	0.08	0.777	
58	MC	784	350	-0.10	0.24	0.626	-0.25	0.12	0.725	0.00	0.05	0.824	
59	MC	784	350	-0.38	5.51	0.019	1.74	5.77	0.016	-0.03	9.10	0.003	NonUniform
60	MC	784	350	-0.39	4.80	0.028	1.69	5.12	0.024	-0.03	8.16	0.004	NonUniform
61	MC	784	350	-0.01	0.00	0.976	0.40	0.27	0.604	-0.01	0.29	0.589	
62	MC	784	350	-0.33	3.43	0.064	-0.27	0.16	0.693	0.00	0.01	0.919	
63	MC	784	350	0.06	0.11	0.740	-0.24	0.13	0.719	0.00	0.21	0.648	
64	MC	784	350	-0.45	8.12	0.004	-0.17	0.06	0.805	0.00	0.19	0.661	Uniform<
65	MC	784	350	-0.38	5.31	0.021	0.91	1.74	0.187	-0.02	3.72	0.054	
66	MC	784	350	-0.10	0.30	0.585	-0.49	0.53	0.465	0.01	0.37	0.545	
67	MC	784	350	0.09	0.38	0.539	1.65	6.92	0.009	-0.02	6.66	0.010	NonUniform
68	MC	784	350	-0.23	2.16	0.141	3.09	15.49	0.000	-0.04	19.37	0.000	NonUniform
69	MC	784	350	-0.37	6.16	0.013	0.15	0.06	0.800	-0.01	0.81	0.369	
70	MC	784	350	-0.25	2.89	0.089	1.08	3.44	0.064	-0.02	5.62	0.018	
71	MC	784	350	0.03	0.05	0.830	-0.25	0.15	0.703	0.00	0.20	0.655	
72	MC	784	350	-0.08	0.25	0.617	0.27	0.17	0.676	0.00	0.31	0.578	

**Table F.246: Logistic Regression DIF Results on Stage V Reading Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NonUni}$	Wald $\chi^2$	p-value	$\beta_2^{NonUni}$	Wald $\chi^2$	p-value	
73	MC	784	350	-0.27	2.98	0.084	2.93	14.04	0.000	-0.04	18.20	0.000	NonUniform
74	MC	784	350	-0.43	7.62	0.006	2.31	9.84	0.002	-0.04	14.90	0.000	NonUniform
75	MC	784	350	-0.10	0.44	0.506	2.35	12.54	0.000	-0.03	14.79	0.000	NonUniform
76	MC	784	350	-0.45	8.17	0.004	1.13	2.68	0.102	-0.02	5.59	0.018	Uniform<
77	MC	779	392	-0.40	5.03	0.025	0.68	1.34	0.247	-0.02	3.71	0.054	Uniform<
78	MC	779	392	0.30	1.91	0.167	1.16	2.35	0.125	-0.02	1.42	0.234	Uniform<
79	MC	779	392	-0.27	1.26	0.261	-0.41	0.41	0.522	0.00	0.06	0.813	Uniform<
80	MC	779	392	-0.62	15.41	0.000	1.04	2.51	0.113	-0.02	6.93	0.008	NonUniform
81	MC	779	392	-0.60	12.58	0.000	0.08	0.02	0.883	-0.01	1.82	0.177	Uniform<
82	MC	779	392	-0.55	15.60	0.000	0.95	2.87	0.090	-0.02	7.74	0.005	NonUniform
83	MC	779	392	-0.62	18.98	0.000	1.25	4.52	0.033	-0.03	10.94	0.001	NonUniform
84	MC	779	392	-0.48	10.28	0.001	-0.35	0.37	0.545	0.00	0.06	0.813	Uniform<
85	MC	779	392	-0.19	2.01	0.156	0.37	0.56	0.454	-0.01	1.42	0.233	Uniform<
86	MC	779	392	-0.24	2.60	0.107	-0.30	0.27	0.604	0.00	0.01	0.910	Uniform<
87	MC	779	392	-0.71	23.05	0.000	0.36	0.56	0.456	-0.02	5.31	0.021	Uniform<
88	MC	779	392	-0.56	11.41	0.001	-0.54	0.86	0.352	0.00	0.00	0.979	Uniform<
89	MC	779	392	-0.41	6.67	0.010	0.92	2.63	0.105	-0.02	5.95	0.015	Uniform<
90	MC	779	392	-0.29	3.26	0.071	-0.16	0.09	0.759	0.00	0.07	0.798	Uniform<
91	MC	779	392	0.30	4.27	0.039	-0.17	0.09	0.764	0.01	0.73	0.392	Uniform<
92	MC	779	392	-0.59	14.26	0.000	1.24	3.33	0.068	-0.03	7.71	0.005	NonUniform
93	MC	779	392	-0.09	0.32	0.573	1.85	6.43	0.011	-0.03	7.59	0.006	NonUniform
94	MC	779	392	-0.55	14.47	0.000	-0.38	0.42	0.518	0.00	0.09	0.770	Uniform<
95	MC	779	392	-0.34	5.07	0.024	0.34	0.34	0.559	-0.01	1.47	0.225	Uniform<
96	MC	779	392	0.04	0.07	0.792	-0.30	0.30	0.584	0.00	0.40	0.525	Uniform<
97	MC	779	392	-0.66	21.14	0.000	0.49	0.68	0.409	-0.02	4.01	0.045	Uniform<
98	MC	779	392	-0.04	0.09	0.763	0.30	0.31	0.576	0.00	0.44	0.507	Uniform<
99	MC	779	392	-0.64	18.14	0.000	-0.50	0.61	0.435	0.00	0.05	0.821	Uniform<

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.247: Logistic Regression DIF Results on Stage V Reading Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
1	MC	117	3313	0.26	0.36	0.551	-3.91	1.69	0.194	0.06	1.86	0.173	
2	MC	117	3313	-0.03	0.03	0.874	-3.41	3.46	0.063	0.04	3.47	0.062	
3	MC	117	3313	-0.25	1.53	0.216	-2.83	2.56	0.110	0.03	2.14	0.143	
4	MC	117	3313	0.15	0.59	0.444	-0.15	0.01	0.922	0.00	0.04	0.846	
5	MC	117	3313	-0.47	5.58	0.018	-4.13	4.56	0.033	0.05	3.66	0.056	
6	MC	117	3313	0.27	1.24	0.265	-2.27	1.24	0.266	0.03	1.55	0.213	
7	MC	117	3313	-0.29	2.07	0.150	-2.48	1.88	0.171	0.03	1.50	0.221	
8	MC	30	925	-0.05	0.01	0.915	-4.81	1.14	0.286	0.06	1.10	0.294	
9	MC	30	925	-0.56	1.49	0.222	-4.58	0.95	0.330	0.05	0.73	0.392	
10	MC	30	925	-0.90	1.93	0.164	-3.46	0.52	0.469	0.03	0.29	0.592	
11	MC	30	925	-0.29	0.37	0.541	-4.40	0.94	0.332	0.05	0.85	0.356	
12	MC	30	925	-0.74	3.53	0.060	0.54	0.03	0.864	-0.02	0.17	0.681	
13	MC	30	925	-0.13	0.07	0.791	0.36	0.01	0.924	-0.01	0.02	0.896	
14	MC	30	925	-0.36	0.83	0.363	-0.92	0.07	0.788	0.01	0.03	0.870	
15	MC	30	925	-0.25	0.42	0.519	-3.39	0.65	0.421	0.04	0.56	0.454	
16	MC	30	925	-0.59	2.29	0.130	-4.92	1.26	0.262	0.05	0.99	0.320	
17	MC	30	925	-0.47	1.32	0.250	3.98	1.45	0.228	-0.06	1.80	0.180	
18	MC	30	925	0.30	0.58	0.446	-1.39	0.15	0.698	0.02	0.23	0.635	
19	MC	30	925	-0.10	0.06	0.802	-3.66	0.85	0.358	0.05	0.80	0.371	
20	MC	30	925	-0.10	0.03	0.861	0.64	0.02	0.880	-0.01	0.03	0.859	
21	MC	30	925	-0.42	0.96	0.328	-4.40	1.13	0.288	0.05	0.95	0.329	
22	MC	30	925	-0.15	0.15	0.702	1.70	0.30	0.583	-0.02	0.36	0.547	
23	MC	30	925	-0.10	0.06	0.804	-0.10	0.00	0.976	0.00	0.00	0.999	
24	MC	30	925	-0.51	1.72	0.189	-2.74	0.56	0.454	0.03	0.38	0.540	
25	MC	30	925	-0.26	0.40	0.529	-0.76	0.05	0.825	0.01	0.02	0.882	
26	MC	30	925	0.67	2.97	0.085	-2.27	0.39	0.535	0.04	0.65	0.420	
27	MC	30	925	-0.06	0.02	0.889	-2.20	0.38	0.537	0.03	0.37	0.543	
28	MC	30	925	-0.48	1.36	0.244	-5.73	1.65	0.199	0.06	1.42	0.234	
29	MC	30	925	0.31	0.56	0.456	-2.79	0.53	0.467	0.04	0.67	0.413	
30	MC	30	925	-0.49	1.31	0.252	5.80	2.52	0.113	-0.08	2.91	0.088	
31	MC	34	825	0.42	1.08	0.299	1.55	0.34	0.562	-0.01	0.19	0.667	
32	MC	34	825	-0.01	0.00	0.976	-2.50	0.88	0.348	0.03	0.90	0.344	
33	MC	34	825	12.82	0.00	0.982	12.32	0.00	0.973	-0.06	0.00	0.990	
34	MC	34	825	-0.09	0.03	0.852	2.31	0.62	0.433	-0.03	0.70	0.402	
35	MC	34	825	0.10	0.03	0.859	-1.36	0.16	0.688	0.02	0.19	0.665	
36	MC	34	825	1.76	7.88	0.005	-3.35	0.62	0.432	0.07	1.36	0.243	Uniform>
37	MC	34	825	0.63	0.97	0.324	-0.46	0.02	0.899	0.02	0.09	0.765	
38	MC	34	825	-0.09	0.05	0.824	-4.39	1.55	0.213	0.05	1.55	0.212	
39	MC	34	825	0.14	0.09	0.762	-1.84	0.37	0.541	0.03	0.44	0.508	
40	MC	34	825	-0.55	1.11	0.293	-7.14	2.79	0.095	0.09	2.31	0.128	
41	MC	34	825	0.25	0.38	0.537	-0.49	0.03	0.857	0.01	0.08	0.781	
42	MC	34	825	0.47	1.34	0.248	-0.43	0.03	0.871	0.01	0.12	0.732	
43	MC	34	825	0.25	0.40	0.525	2.00	0.62	0.429	-0.02	0.49	0.482	
44	MC	34	825	-0.45	1.40	0.237	-1.27	0.24	0.626	0.01	0.10	0.751	
45	MC	34	825	-0.15	0.11	0.743	-2.24	0.55	0.459	0.03	0.48	0.488	
46	MC	34	825	-0.36	0.84	0.358	-1.21	0.21	0.648	0.01	0.10	0.746	
47	MC	34	825	0.61	2.73	0.099	-4.87	2.11	0.146	0.07	2.74	0.098	
48	MC	34	825	-0.10	0.07	0.797	0.75	0.07	0.785	-0.01	0.10	0.756	
49	MC	34	825	-0.60	2.65	0.104	-1.35	0.24	0.625	0.01	0.08	0.784	
50	MC	34	825	0.22	0.32	0.570	-2.49	0.68	0.410	0.03	0.82	0.366	
51	MC	34	825	-0.57	2.25	0.134	-7.27	2.96	0.085	0.08	2.61	0.106	
52	MC	34	825	-1.08	5.33	0.021	0.38	0.01	0.907	-0.02	0.20	0.652	
53	MC	34	825	-0.21	0.30	0.586	-2.80	0.87	0.352	0.03	0.77	0.380	
54	MC	23	784	-0.25	0.15	0.698	-379.80	0.54	0.462	5.26	0.54	0.464	
55	MC	23	784	1.94	3.49	0.062	-58.71	0.02	0.902	0.95	0.02	0.893	
56	MC	23	784	-0.02	0.00	0.985	-61.43	0.02	0.902	0.96	0.02	0.895	
57	MC	23	784	-0.02	0.00	0.955	-6.79	1.62	0.203	0.09	1.60	0.206	
58	MC	23	784	-0.08	0.02	0.897	-84.70	1.23	0.268	1.16	1.21	0.271	
59	MC	23	784	0.68	1.91	0.166	-2.49	0.29	0.589	0.04	0.47	0.491	
60	MC	23	784	0.28	0.28	0.600	0.40	0.01	0.924	0.00	0.00	0.977	
61	MC	23	784	0.36	0.45	0.504	-1.77	0.12	0.730	0.03	0.17	0.677	
62	MC	23	784	0.03	0.00	0.961	-19.08	1.25	0.263	0.26	1.23	0.267	
63	MC	23	784	-0.02	0.00	0.960	-43.52	1.84	0.175	0.59	1.79	0.180	
64	MC	23	784	0.19	0.19	0.665	1.55	0.19	0.664	-0.02	0.15	0.701	
65	MC	23	784	0.22	0.22	0.638	2.46	0.45	0.504	-0.03	0.38	0.538	
66	MC	23	784	0.45	0.50	0.479	-1.04	0.04	0.839	0.02	0.09	0.770	
67	MC	23	784	-0.15	0.12	0.732	-2.35	0.39	0.531	0.03	0.35	0.554	
68	MC	23	784	0.81	3.22	0.073	1.17	0.11	0.745	0.00	0.01	0.919	
69	MC	23	784	0.35	0.66	0.417	-1.03	0.08	0.777	0.02	0.15	0.703	
70	MC	23	784	-0.39	0.74	0.389	-3.55	0.81	0.368	0.04	0.66	0.417	
71	MC	23	784	-0.18	0.17	0.681	-0.04	0.00	0.991	0.00	0.00	0.969	
72	MC	23	784	0.22	0.23	0.632	-10.03	1.87	0.172	0.13	1.91	0.167	

**Table F.247: Logistic Regression DIF Results on Stage V Reading Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NonUni}$	Wald $\chi^2$	p-value	$\beta_2^{NonUni}$	Wald $\chi^2$	p-value	
73	MC	23	784	0.47	1.18	0.277	-47.21	4.44	0.035	0.63	4.43	0.035	
74	MC	23	784	-0.15	0.12	0.734	-10.45	3.44	0.064	0.13	3.36	0.067	
75	MC	23	784	0.42	0.89	0.345	-7.10	1.85	0.174	0.10	2.05	0.152	
76	MC	23	784	0.07	0.02	0.881	1.25	0.13	0.722	-0.02	0.12	0.733	
77	MC	30	779	0.97	1.69	0.194	-12.01	1.23	0.268	0.18	1.34	0.247	
78	MC	30	779	0.49	0.22	0.639	-440.60	0.99	0.320	6.70	0.98	0.321	
79	MC	30	779	0.23	0.05	0.825	-350.20	1.18	0.277	5.31	1.17	0.279	
80	MC	30	779	-0.16	0.10	0.755	-3.23	0.35	0.557	0.04	0.32	0.571	
81	MC	30	779	0.08	0.03	0.858	-6.46	1.55	0.212	0.09	1.56	0.212	
82	MC	30	779	-0.44	1.18	0.277	-7.13	2.08	0.149	0.08	1.88	0.170	
83	MC	30	779	0.58	2.26	0.133	-4.80	1.28	0.259	0.07	1.61	0.204	
84	MC	30	779	0.12	0.09	0.768	-6.07	1.65	0.199	0.08	1.71	0.191	
85	MC	30	779	0.38	0.92	0.338	-4.47	1.10	0.295	0.06	1.29	0.256	
86	MC	30	779	0.77	2.97	0.085	0.96	0.05	0.829	0.00	0.00	0.966	
87	MC	30	779	-0.44	1.31	0.252	-1.72	0.20	0.655	0.02	0.11	0.738	
88	MC	30	779	0.06	0.01	0.903	-1.57	0.12	0.733	0.02	0.13	0.723	
89	MC	30	779	0.37	0.61	0.434	-4.60	0.83	0.361	0.06	0.96	0.328	
90	MC	30	779	1.27	2.90	0.088	-10.55	1.09	0.297	0.16	1.28	0.258	
91	MC	30	779	-0.40	1.08	0.299	2.08	0.30	0.584	-0.03	0.43	0.512	
92	MC	30	779	-0.12	0.10	0.756	2.52	0.43	0.510	-0.03	0.48	0.488	
93	MC	30	779	-0.08	0.05	0.828	-0.51	0.02	0.899	0.01	0.01	0.915	
94	MC	30	779	-0.80	3.42	0.065	3.36	0.62	0.430	-0.05	0.95	0.331	
95	MC	30	779	0.02	0.00	0.951	-10.05	3.50	0.061	0.13	3.49	0.062	
96	MC	30	779	0.08	0.04	0.838	-1.52	0.15	0.703	0.02	0.16	0.687	
97	MC	30	779	-0.05	0.02	0.900	-4.02	0.87	0.351	0.05	0.86	0.353	
98	MC	30	779	0.62	2.69	0.101	5.11	1.73	0.188	-0.06	1.35	0.246	
99	MC	30	779	0.36	0.84	0.359	-1.16	0.08	0.777	0.02	0.14	0.710	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.248: Logistic Regression DIF Results on Stage V Reading Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
1	MC	3955	913	-0.39	9.02	0.003	0.16	0.16	0.687	-0.01	2.13	0.144	Uniform<
2	MC	3955	913	-0.37	21.81	0.000	0.20	0.38	0.536	-0.01	3.39	0.066	Uniform<
3	MC	3955	913	-0.16	3.97	0.046	-0.30	1.16	0.281	0.00	0.27	0.604	
4	MC	3955	913	-0.31	15.87	0.000	0.58	3.67	0.055	-0.01	9.39	0.002	NonUniform
5	MC	3955	913	-0.22	7.80	0.005	0.51	2.65	0.103	-0.01	5.82	0.016	Uniform<
6	MC	3955	913	-0.26	8.03	0.005	-0.39	1.35	0.245	0.00	0.18	0.675	Uniform<
7	MC	3955	913	-0.18	4.98	0.026	0.33	1.01	0.314	-0.01	2.59	0.108	
8	MC	1076	220	-0.44	4.45	0.035	-0.01	0.00	0.985	-0.01	0.47	0.494	
9	MC	1076	220	-0.16	0.58	0.447	-0.13	0.03	0.861	0.00	0.00	0.967	
10	MC	1076	220	0.10	0.16	0.693	-0.89	1.57	0.210	0.02	2.32	0.128	
11	MC	1076	220	0.11	0.37	0.541	0.68	0.78	0.378	-0.01	0.59	0.443	
12	MC	1076	220	-0.11	0.36	0.549	0.21	0.12	0.729	0.00	0.29	0.588	
13	MC	1076	220	0.07	0.14	0.711	0.20	0.09	0.768	0.00	0.04	0.842	
14	MC	1076	220	-0.10	0.30	0.584	-0.41	0.40	0.527	0.00	0.25	0.616	
15	MC	1076	220	-0.19	1.22	0.269	-1.27	3.57	0.059	0.01	2.74	0.098	
16	MC	1076	220	-0.37	4.65	0.031	-1.07	2.83	0.093	0.01	1.29	0.255	
17	MC	1076	220	-0.45	7.35	0.007	-0.76	1.25	0.264	0.00	0.22	0.641	Uniform<
18	MC	1076	220	0.12	0.51	0.476	-0.61	0.80	0.371	0.01	1.21	0.271	
19	MC	1076	220	-0.37	4.31	0.038	-0.67	1.22	0.269	0.00	0.26	0.608	
20	MC	1076	220	-0.40	3.38	0.066	-0.99	2.20	0.138	0.01	0.88	0.348	
21	MC	1076	220	-0.07	0.17	0.681	1.25	3.00	0.083	-0.02	3.56	0.059	
22	MC	1076	220	-0.24	2.08	0.149	1.06	2.61	0.106	-0.02	4.19	0.041	
23	MC	1076	220	-0.19	1.35	0.245	-1.48	6.10	0.014	0.02	4.96	0.026	
24	MC	1076	220	-0.29	2.72	0.099	-1.16	3.77	0.052	0.01	2.33	0.127	
25	MC	1076	220	-0.08	0.23	0.634	1.28	3.38	0.066	-0.02	4.08	0.044	
26	MC	1076	220	-0.10	0.39	0.533	-0.10	0.02	0.886	0.00	0.00	0.999	
27	MC	1076	220	0.00	0.00	0.991	1.41	3.80	0.051	-0.02	4.08	0.043	
28	MC	1076	220	0.04	0.05	0.821	0.56	0.69	0.406	-0.01	0.65	0.422	
29	MC	1076	220	-0.09	0.25	0.616	1.55	3.20	0.074	-0.02	3.79	0.052	
30	MC	1076	220	0.09	0.30	0.582	-0.16	0.07	0.790	0.00	0.18	0.670	
31	MC	1127	158	-0.32	2.50	0.114	0.64	0.86	0.354	-0.01	2.12	0.145	
32	MC	1127	158	-0.38	4.41	0.036	-0.70	1.36	0.244	0.00	0.31	0.576	
33	MC	1127	158	-0.11	0.08	0.777	0.29	0.09	0.760	-0.01	0.21	0.650	
34	MC	1127	158	-0.05	0.05	0.830	0.04	0.00	0.963	0.00	0.01	0.906	
35	MC	1127	158	-0.08	0.11	0.736	-0.85	1.56	0.212	0.01	1.47	0.225	
36	MC	1127	158	-0.05	0.04	0.832	0.71	0.59	0.441	-0.01	0.71	0.399	
37	MC	1127	158	0.11	0.21	0.646	1.31	1.60	0.207	-0.02	1.41	0.235	
38	MC	1127	158	-0.33	3.07	0.080	1.13	1.88	0.170	-0.02	3.37	0.066	
39	MC	1127	158	-0.27	1.32	0.251	-0.43	0.36	0.551	0.00	0.06	0.813	
40	MC	1127	158	0.06	0.06	0.814	-0.91	1.57	0.210	0.02	2.11	0.146	
41	MC	1127	158	0.00	0.00	0.997	-0.10	0.02	0.883	0.00	0.02	0.876	
42	MC	1127	158	-0.42	4.40	0.036	-0.65	1.08	0.299	0.00	0.16	0.693	
43	MC	1127	158	-0.58	6.86	0.009	0.06	0.01	0.940	-0.01	0.61	0.435	Uniform<
44	MC	1127	158	0.26	1.52	0.217	0.64	0.74	0.390	-0.01	0.29	0.592	
45	MC	1127	158	-0.08	0.13	0.724	1.41	2.20	0.138	-0.02	2.63	0.105	
46	MC	1127	158	0.01	0.00	0.966	0.54	0.57	0.452	-0.01	0.60	0.440	
47	MC	1127	158	-0.33	3.00	0.083	2.38	6.11	0.013	-0.04	8.41	0.004	NonUniform
48	MC	1127	158	-0.08	0.17	0.683	2.74	6.40	0.011	-0.03	7.26	0.007	NonUniform
49	MC	1127	158	0.20	1.13	0.288	0.22	0.10	0.756	0.00	0.00	0.980	
50	MC	1127	158	-0.35	2.93	0.087	-1.57	5.29	0.021	0.02	3.49	0.062	
51	MC	1127	158	-0.23	1.42	0.234	1.45	3.01	0.083	-0.02	4.32	0.038	
52	MC	1127	158	-0.20	1.19	0.275	0.60	0.75	0.387	-0.01	1.44	0.231	
53	MC	1127	158	-0.01	0.00	0.975	0.50	0.49	0.482	-0.01	0.55	0.460	
54	MC	927	201	0.10	0.19	0.666	-0.64	0.64	0.425	0.01	0.94	0.332	
55	MC	927	201	-0.25	1.38	0.241	1.09	1.31	0.252	-0.02	2.06	0.152	
56	MC	927	201	-0.62	2.50	0.114	-0.99	0.75	0.386	0.01	0.12	0.725	
57	MC	927	201	-0.23	1.89	0.170	-0.44	0.44	0.509	0.00	0.10	0.750	
58	MC	927	201	-0.24	1.03	0.310	-0.96	1.40	0.237	0.01	0.87	0.352	
59	MC	927	201	-0.31	2.84	0.092	0.65	0.63	0.428	-0.01	1.46	0.227	
60	MC	927	201	-0.36	3.09	0.079	0.08	0.01	0.918	-0.01	0.32	0.574	
61	MC	927	201	-0.07	0.12	0.729	0.27	0.09	0.767	0.00	0.15	0.703	
62	MC	927	201	-0.14	0.49	0.483	-0.07	0.01	0.930	0.00	0.01	0.923	
63	MC	927	201	0.16	0.73	0.394	-0.21	0.08	0.776	0.01	0.27	0.606	
64	MC	927	201	-0.47	6.69	0.010	-0.14	0.03	0.853	0.00	0.20	0.654	Uniform<
65	MC	927	201	-0.22	1.32	0.251	-0.54	0.54	0.464	0.00	0.21	0.649	
66	MC	927	201	-0.08	0.14	0.704	0.23	0.08	0.779	0.00	0.15	0.697	
67	MC	927	201	0.00	0.00	0.997	-0.33	0.26	0.607	0.00	0.28	0.594	
68	MC	927	201	-0.46	6.83	0.009	-1.04	2.10	0.147	0.01	0.69	0.407	Uniform<
69	MC	927	201	-0.36	4.70	0.030	-0.54	0.72	0.396	0.00	0.09	0.768	
70	MC	927	201	0.12	0.53	0.465	0.77	1.42	0.233	-0.01	1.09	0.295	
71	MC	927	201	-0.06	0.12	0.729	1.05	1.84	0.176	-0.02	2.18	0.140	
72	MC	927	201	0.08	0.22	0.638	0.72	0.95	0.329	-0.01	0.80	0.373	

**Table F.248: Logistic Regression DIF Results on Stage V Reading Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NonUni}$	Wald $\chi^2$	p-value	$\beta_2^{NonUni}$	Wald $\chi^2$	p-value	
73	MC	927	201	-0.21	1.42	0.233	2.24	6.24	0.013	-0.03	7.86	0.005	NonUniform
74	MC	927	201	0.05	0.07	0.793	2.11	5.64	0.018	-0.03	5.71	0.017	
75	MC	927	201	-0.15	0.77	0.380	0.58	0.70	0.403	-0.01	1.18	0.277	
76	MC	927	201	-0.39	4.62	0.032	-0.57	0.60	0.439	0.00	0.06	0.802	
77	MC	825	334	-0.10	0.35	0.556	-0.12	0.04	0.837	0.00	0.00	0.971	
78	MC	825	334	0.08	0.16	0.691	-0.59	0.67	0.413	0.01	0.95	0.331	
79	MC	825	334	0.05	0.05	0.818	0.33	0.24	0.621	-0.01	0.19	0.659	
80	MC	825	334	-0.24	2.26	0.133	-1.24	3.95	0.047	0.01	2.74	0.098	
81	MC	825	334	-0.28	3.02	0.082	-0.85	2.63	0.105	0.01	1.31	0.252	
82	MC	825	334	-0.03	0.04	0.848	0.39	0.46	0.496	-0.01	0.57	0.452	
83	MC	825	334	-0.27	3.63	0.057	0.05	0.01	0.926	0.00	0.34	0.561	
84	MC	825	334	-0.41	7.35	0.007	-0.13	0.04	0.832	0.00	0.24	0.627	Uniform<
85	MC	825	334	-0.23	2.81	0.094	0.66	1.77	0.183	-0.01	3.46	0.063	
86	MC	825	334	-0.18	1.58	0.208	-0.96	2.90	0.089	0.01	2.03	0.154	
87	MC	825	334	-0.19	1.82	0.178	-0.55	1.30	0.253	0.01	0.60	0.438	
88	MC	825	334	-0.40	6.13	0.013	-0.79	1.79	0.181	0.01	0.48	0.488	
89	MC	825	334	-0.25	2.55	0.111	-0.54	0.95	0.328	0.00	0.30	0.581	
90	MC	825	334	0.03	0.04	0.838	-0.54	1.01	0.315	0.01	1.25	0.264	
91	MC	825	334	-0.25	3.29	0.070	0.64	1.40	0.236	-0.01	2.90	0.088	
92	MC	825	334	-0.21	1.85	0.174	1.01	2.04	0.153	-0.02	3.11	0.078	
93	MC	825	334	-0.05	0.13	0.720	0.63	0.88	0.349	-0.01	1.09	0.296	
94	MC	825	334	-0.34	5.58	0.018	-0.37	0.40	0.528	0.00	0.00	0.957	
95	MC	825	334	-0.29	3.69	0.055	0.66	1.17	0.280	-0.01	2.55	0.111	
96	MC	825	334	-0.24	2.92	0.088	-0.34	0.43	0.510	0.00	0.04	0.837	
97	MC	825	334	-0.06	0.16	0.693	-0.12	0.04	0.840	0.00	0.01	0.913	
98	MC	825	334	0.04	0.08	0.772	1.68	9.06	0.003	-0.02	9.44	0.002	NonUniform
99	MC	825	334	-0.05	0.10	0.755	-0.58	0.78	0.377	0.01	0.69	0.405	

Note: MC=Multiple Choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.249: Logistic Regression DIF Results on Stage V Writing Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
100	MC	1477	1835	0.17	4.30	0.038	0.53	2.55	0.110	-0.01	1.27	0.259	Uniform>
101	MC	1477	1835	0.28	4.91	0.027	0.47	1.18	0.277	0.00	0.20	0.653	
102	MC	398	527	0.39	7.34	0.007	0.48	0.59	0.444	0.00	0.02	0.883	
103	MC	398	527	0.25	3.23	0.072	-0.98	2.21	0.137	0.02	3.67	0.055	
104	MC	398	527	0.22	1.54	0.215	-0.19	0.07	0.787	0.01	0.37	0.545	Uniform<
105	MC	398	527	0.10	0.45	0.501	0.64	1.14	0.285	-0.01	0.88	0.349	
106	MC	398	527	-0.44	9.11	0.003	-1.11	2.14	0.144	0.01	0.81	0.369	
107	MC	398	527	0.00	0.00	0.978	-0.50	0.55	0.459	0.01	0.57	0.450	
108	MC	398	527	0.33	2.87	0.090	0.28	0.15	0.703	0.00	0.00	0.946	NonUniform
109	MC	398	527	0.51	2.78	0.096	0.57	0.30	0.584	0.00	0.00	0.953	
110	MC	398	527	0.07	0.13	0.724	0.20	0.06	0.799	0.00	0.03	0.868	
111	MC	398	527	-0.11	0.64	0.424	-0.45	0.41	0.523	0.00	0.24	0.628	
112	MC	398	527	-0.20	1.47	0.225	-1.08	2.01	0.156	0.01	1.39	0.239	Uniform>
113	MC	398	527	0.01	0.01	0.918	0.30	0.25	0.619	0.00	0.24	0.626	
114	MC	398	527	-0.17	1.53	0.216	-1.71	7.86	0.005	0.02	6.78	0.009	
115	MC	398	527	0.29	4.30	0.038	-0.86	1.93	0.165	0.02	3.60	0.058	
116	MC	398	527	0.17	1.57	0.210	0.25	0.17	0.683	0.00	0.02	0.893	Uniform>
117	MC	398	527	0.20	1.96	0.161	0.35	0.31	0.578	0.00	0.06	0.807	
118	MC	398	527	0.37	6.27	0.012	1.49	4.70	0.030	-0.02	2.79	0.095	
119	MC	398	527	0.18	1.49	0.222	0.01	0.00	0.991	0.00	0.07	0.787	
120	MC	367	458	0.37	5.24	0.022	0.42	0.43	0.511	0.00	0.01	0.927	Uniform>
121	MC	367	458	0.84	21.62	0.000	0.74	1.36	0.244	0.00	0.03	0.865	
122	MC	367	458	-0.38	4.23	0.040	-0.68	0.77	0.381	0.00	0.16	0.692	
123	MC	367	458	0.17	0.81	0.367	0.29	0.19	0.665	0.00	0.03	0.853	
124	MC	367	458	0.26	2.71	0.100	1.49	4.19	0.041	-0.02	3.01	0.083	Uniform>
125	MC	367	458	0.03	0.05	0.816	0.22	0.15	0.701	0.00	0.11	0.737	
126	MC	367	458	-0.32	3.54	0.060	0.14	0.03	0.866	-0.01	0.32	0.571	
127	MC	367	458	0.19	1.51	0.218	-0.43	0.38	0.537	0.01	0.82	0.364	
128	MC	367	458	0.18	0.56	0.454	-0.10	0.02	0.888	0.01	0.17	0.684	Uniform>
129	MC	367	458	0.15	0.82	0.366	-0.06	0.01	0.931	0.00	0.10	0.756	
130	MC	367	458	0.18	1.34	0.247	0.34	0.23	0.632	0.00	0.05	0.816	
131	MC	367	458	-0.41	4.53	0.033	0.16	0.03	0.863	-0.01	0.39	0.531	
132	MC	367	458	0.15	0.92	0.337	-0.04	0.00	0.953	0.00	0.08	0.777	Uniform>
133	MC	367	458	0.11	0.53	0.465	-0.33	0.32	0.572	0.01	0.59	0.443	
134	MC	367	458	0.44	4.20	0.040	1.80	6.37	0.012	-0.03	4.06	0.044	
135	MC	367	458	0.21	1.27	0.261	-0.23	0.10	0.751	0.01	0.40	0.528	
136	MC	367	458	0.28	3.47	0.062	0.38	0.32	0.574	0.00	0.02	0.881	Uniform>
137	MC	367	458	0.22	2.19	0.139	0.13	0.05	0.828	0.00	0.02	0.880	
138	MC	377	407	-0.22	1.14	0.286	1.27	1.76	0.185	-0.02	2.55	0.111	
139	MC	377	407	0.09	0.25	0.615	0.72	0.64	0.424	-0.01	0.51	0.474	
140	MC	377	407	0.29	3.65	0.056	-0.40	0.32	0.574	0.01	0.99	0.319	Uniform>
141	MC	377	407	0.57	10.63	0.001	0.94	1.54	0.215	-0.01	0.26	0.612	
142	MC	377	407	-0.06	0.14	0.710	-1.41	2.63	0.105	0.02	2.51	0.113	
143	MC	377	407	-0.09	0.32	0.573	-0.07	0.01	0.926	0.00	0.00	0.980	
144	MC	377	407	-0.12	0.45	0.503	0.03	0.00	0.970	0.00	0.04	0.842	Uniform>
145	MC	377	407	0.20	0.81	0.370	0.73	0.71	0.399	-0.01	0.40	0.528	
146	MC	377	407	0.51	6.13	0.013	-0.51	0.42	0.519	0.02	1.76	0.185	
147	MC	377	407	0.02	0.01	0.905	-0.64	0.63	0.426	0.01	0.72	0.396	
148	MC	377	407	-0.16	0.67	0.412	0.40	0.21	0.647	-0.01	0.44	0.508	Uniform>
149	MC	377	407	-0.05	0.12	0.725	0.39	0.29	0.592	-0.01	0.39	0.531	
150	MC	377	407	-0.27	3.25	0.071	-1.51	4.52	0.033	0.02	3.21	0.073	
151	MC	377	407	-0.32	4.32	0.038	0.40	0.25	0.619	-0.01	0.82	0.365	
152	MC	377	407	0.40	4.73	0.030	0.10	0.02	0.892	0.00	0.15	0.694	NonUniform
153	MC	377	407	-0.05	0.13	0.719	-0.56	0.71	0.400	0.01	0.61	0.434	
154	MC	377	407	-0.24	2.71	0.100	0.21	0.10	0.755	-0.01	0.46	0.496	
155	MC	377	407	0.29	3.73	0.053	-0.51	0.44	0.507	0.01	1.12	0.290	
156	MC	335	443	-0.02	0.03	0.874	-0.19	0.07	0.795	0.00	0.05	0.816	NonUniform
157	MC	335	443	-0.07	0.22	0.641	-0.47	0.41	0.522	0.01	0.31	0.579	
158	MC	335	443	-0.01	0.00	0.976	-1.06	1.93	0.165	0.02	2.03	0.154	
159	MC	335	443	0.46	5.74	0.017	-2.97	7.86	0.005	0.05	11.00	0.001	
160	MC	335	443	0.21	1.39	0.239	0.09	0.01	0.916	0.00	0.02	0.879	Uniform<
161	MC	335	443	-0.01	0.01	0.929	-0.98	1.68	0.195	0.02	1.71	0.190	
162	MC	335	443	0.25	2.19	0.139	0.16	0.05	0.822	0.00	0.02	0.890	
163	MC	335	443	-0.62	11.31	0.001	-0.16	0.04	0.846	-0.01	0.33	0.567	
164	MC	335	443	0.14	0.59	0.441	-0.03	0.00	0.965	0.00	0.05	0.824	Uniform>
165	MC	335	443	0.01	0.01	0.943	0.42	0.29	0.587	-0.01	0.29	0.590	
166	MC	335	443	0.19	1.31	0.253	-0.61	0.55	0.456	0.01	0.99	0.320	
167	MC	335	443	0.05	0.06	0.804	-0.31	0.12	0.734	0.01	0.16	0.691	
168	MC	335	443	0.08	0.30	0.582	-0.03	0.00	0.966	0.00	0.03	0.862	Uniform>
169	MC	335	443	0.03	0.03	0.852	-1.74	3.19	0.074	0.03	3.45	0.063	
170	MC	335	443	-0.06	0.14	0.713	-1.40	2.75	0.097	0.02	2.63	0.105	
171	MC	335	443	0.67	12.86	0.000	0.16	0.04	0.845	0.01	0.44	0.509	

**Table F.249: Logistic Regression DIF Results on Stage V Writing Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
172	MC	335	443	0.29	2.76	0.097	-1.24	1.84	0.175	0.02	2.92	0.087	
173	MC	335	443	-0.09	0.21	0.647	-0.38	0.18	0.670	0.00	0.11	0.740	
174	ER	1477	1835	0.35	22.78	0.000	0.32	1.17	0.280	0.00	0.01	0.914	Uniform>
175	ER	398	527	0.51	14.71	0.000	1.16	4.31	0.038	-0.01	1.43	0.232	Uniform>
176	ER	398	527	0.44	10.53	0.001	0.66	1.43	0.231	0.00	0.18	0.672	Uniform>
177	ER	367	458	0.70	24.01	0.000	0.99	3.67	0.055	0.00	0.33	0.567	Uniform>
178	ER	367	458	0.72	22.97	0.000	0.92	2.88	0.089	0.00	0.15	0.702	Uniform>
179	ER	377	407	0.49	9.85	0.002	1.41	4.92	0.027	-0.01	2.23	0.135	Uniform>
180	ER	377	407	0.33	4.79	0.029	-0.29	0.19	0.661	0.01	0.94	0.332	
181	ER	335	443	0.38	5.02	0.025	0.31	0.23	0.630	0.00	0.01	0.908	
182	ER	335	443	0.43	7.66	0.006	-1.14	2.93	0.087	0.03	5.97	0.015	Uniform>
Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.													

**Table F.250: Logistic Regression DIF Results on Stage V Writing Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
					$\chi^2$			$\chi^2$			$\chi^2$		
100	MC	2028	1285	-0.23	7.64	0.006	-0.67	4.13	0.042	0.01	1.90	0.168	Uniform<
101	MC	2028	1285	-0.26	4.03	0.045	0.25	0.36	0.547	-0.01	1.66	0.198	
102	MC	535	390	-0.09	0.42	0.518	0.95	2.31	0.128	-0.02	2.94	0.087	
103	MC	535	390	-0.21	2.20	0.138	0.53	0.67	0.412	-0.01	1.37	0.241	Uniform>
104	MC	535	390	-0.04	0.05	0.825	-0.22	0.10	0.751	0.00	0.07	0.788	
105	MC	535	390	0.06	0.17	0.680	0.92	2.40	0.121	-0.01	2.23	0.136	
106	MC	535	390	0.52	12.76	0.000	-0.27	0.14	0.710	0.01	1.23	0.267	Uniform>
107	MC	535	390	-0.27	2.61	0.106	-0.93	1.97	0.160	0.01	1.06	0.303	
108	MC	535	390	0.07	0.13	0.721	1.07	2.18	0.140	-0.02	2.04	0.153	
109	MC	535	390	0.16	0.29	0.588	1.41	2.08	0.149	-0.02	1.80	0.180	Uniform<
110	MC	535	390	-0.87	14.77	0.000	-1.47	3.37	0.066	0.01	0.61	0.435	
111	MC	535	390	0.10	0.45	0.502	-0.39	0.32	0.573	0.01	0.52	0.471	
112	MC	535	390	0.19	1.28	0.258	-1.04	1.99	0.158	0.02	2.95	0.086	Uniform<
113	MC	535	390	-0.32	5.37	0.020	-0.82	1.90	0.168	0.01	0.75	0.385	
114	MC	535	390	0.21	2.41	0.121	0.40	0.47	0.495	0.00	0.11	0.740	
115	MC	535	390	-0.04	0.10	0.755	-1.23	4.13	0.042	0.02	4.06	0.044	Uniform<
116	MC	535	390	-0.16	1.36	0.243	-0.37	0.37	0.542	0.00	0.13	0.721	
117	MC	535	390	-0.33	5.04	0.025	-0.32	0.26	0.611	0.00	0.00	0.990	
118	MC	535	390	-0.36	5.74	0.017	0.02	0.00	0.974	-0.01	0.32	0.569	Uniform<
119	MC	535	390	-0.38	6.15	0.013	-0.12	0.03	0.856	0.00	0.16	0.690	
120	MC	525	300	-0.07	0.19	0.660	0.42	0.41	0.524	-0.01	0.60	0.439	
121	MC	525	300	-0.18	0.99	0.320	0.25	0.16	0.692	-0.01	0.51	0.475	Uniform<
122	MC	525	300	-0.11	0.32	0.569	-0.42	0.31	0.576	0.00	0.18	0.668	
123	MC	525	300	0.26	1.92	0.166	0.82	1.52	0.218	-0.01	0.77	0.382	
124	MC	525	300	0.08	0.23	0.628	0.52	0.49	0.485	-0.01	0.37	0.544	NonUniform
125	MC	525	300	-0.02	0.01	0.908	-1.87	10.75	0.001	0.03	11.39	0.001	
126	MC	525	300	-0.39	4.91	0.027	0.46	0.30	0.586	-0.01	1.07	0.302	
127	MC	525	300	-0.40	6.04	0.014	0.76	1.11	0.293	-0.02	2.69	0.101	NonUniform
128	MC	525	300	-0.44	2.88	0.090	-1.71	5.12	0.024	0.03	3.25	0.071	
129	MC	525	300	0.20	1.28	0.257	-0.91	1.64	0.200	0.02	2.59	0.108	
130	MC	525	300	0.19	1.31	0.252	-0.67	0.88	0.347	0.01	1.52	0.218	NonUniform
131	MC	525	300	0.51	5.58	0.018	-0.70	0.57	0.449	0.02	1.77	0.183	
132	MC	525	300	-0.22	1.99	0.158	-0.93	1.95	0.163	0.01	1.19	0.276	
133	MC	525	300	0.00	0.00	0.986	-0.35	0.36	0.548	0.01	0.38	0.537	NonUniform
134	MC	525	300	-0.37	2.79	0.095	-0.83	1.38	0.241	0.01	0.47	0.495	
135	MC	525	300	-0.24	1.46	0.227	-0.12	0.03	0.869	0.00	0.03	0.868	
136	MC	525	300	0.23	2.21	0.137	-0.23	0.11	0.736	0.01	0.49	0.482	NonUniform
137	MC	525	300	0.29	3.49	0.062	-1.69	8.14	0.004	0.03	11.93	0.001	
138	MC	467	317	-0.21	0.95	0.329	-0.33	0.12	0.731	0.00	0.02	0.898	Uniform<
139	MC	467	317	-0.58	10.67	0.001	-0.06	0.00	0.950	-0.01	0.34	0.558	
140	MC	467	317	0.01	0.00	0.958	0.69	0.94	0.333	-0.01	0.96	0.327	
141	MC	467	317	0.39	5.10	0.024	-0.48	0.40	0.526	0.01	1.41	0.236	Uniform<
142	MC	467	317	-0.31	3.56	0.059	-0.42	0.24	0.623	0.00	0.02	0.894	
143	MC	467	317	0.11	0.39	0.531	-0.79	1.03	0.310	0.01	1.39	0.239	
144	MC	467	317	-0.21	1.31	0.253	-1.28	2.90	0.088	0.02	2.17	0.140	Uniform<
145	MC	467	317	-0.06	0.06	0.807	-0.35	0.16	0.687	0.01	0.12	0.726	
146	MC	467	317	0.04	0.04	0.847	0.90	1.30	0.254	-0.01	1.28	0.259	
147	MC	467	317	-0.15	0.57	0.452	-0.56	0.49	0.484	0.01	0.28	0.595	Uniform<
148	MC	467	317	-0.36	3.08	0.079	-0.95	1.12	0.289	0.01	0.46	0.497	
149	MC	467	317	0.27	2.89	0.089	-0.94	1.67	0.197	0.02	2.91	0.088	
150	MC	467	317	0.10	0.41	0.520	0.49	0.48	0.487	-0.01	0.32	0.571	Uniform<
151	MC	467	317	0.09	0.34	0.560	-0.55	0.47	0.495	0.01	0.66	0.417	
152	MC	467	317	-0.14	0.57	0.451	-1.04	1.86	0.173	0.02	1.48	0.224	
153	MC	467	317	-0.20	1.67	0.197	-1.69	6.28	0.012	0.02	5.19	0.023	NonUniform
154	MC	467	317	0.15	0.97	0.326	0.74	1.17	0.280	-0.01	0.79	0.374	
155	MC	467	317	0.58	13.86	0.000	-1.44	3.50	0.061	0.03	7.17	0.007	
156	MC	501	278	-0.15	0.90	0.343	1.32	3.08	0.079	-0.02	4.01	0.045	Uniform>
157	MC	501	278	-0.26	2.80	0.094	-0.11	0.02	0.878	0.00	0.05	0.821	
158	MC	501	278	0.65	11.85	0.001	-0.45	0.39	0.533	0.02	2.50	0.114	
159	MC	501	278	-0.20	1.00	0.317	-0.88	0.78	0.376	0.01	0.49	0.483	Uniform>
160	MC	501	278	0.01	0.00	0.953	0.44	0.27	0.600	-0.01	0.27	0.601	
161	MC	501	278	-0.27	2.51	0.113	-0.38	0.27	0.601	0.00	0.02	0.876	
162	MC	501	278	0.46	7.47	0.006	-0.32	0.24	0.626	0.01	1.48	0.224	Uniform>
163	MC	501	278	-0.45	6.51	0.011	-1.54	4.29	0.038	0.02	2.28	0.131	
164	MC	501	278	-0.02	0.01	0.922	-1.52	4.00	0.046	0.03	4.14	0.042	
165	MC	501	278	-0.29	3.20	0.073	0.69	0.74	0.390	-0.02	1.56	0.212	Uniform>
166	MC	501	278	-0.07	0.15	0.694	-0.51	0.40	0.527	0.01	0.32	0.575	
167	MC	501	278	-0.03	0.03	0.871	0.34	0.14	0.710	-0.01	0.17	0.679	
168	MC	501	278	0.68	19.72	0.000	-0.22	0.12	0.727	0.01	2.17	0.141	Uniform>
169	MC	501	278	0.38	4.35	0.037	0.53	0.29	0.589	0.00	0.02	0.880	
170	MC	501	278	0.29	2.86	0.091	0.29	0.12	0.724	0.00	0.00	0.999	
171	MC	501	278	-0.28	2.19	0.139	-0.79	1.09	0.297	0.01	0.49	0.484	

**Table F.250: Logistic Regression DIF Results on Stage V Writing Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
172	MC	501	278	0.03	0.03	0.869	-1.51	3.17	0.075	0.02	3.45	0.063	NonUniform
173	MC	501	278	-0.14	0.45	0.505	-0.41	0.23	0.630	0.00	0.11	0.740	
174	ER	2028	1285	0.22	8.63	0.003	1.11	14.17	0.000	-0.01	9.91	0.002	
175	ER	535	390	-0.29	4.76	0.029	0.07	0.02	0.898	-0.01	0.47	0.495	
176	ER	535	390	-0.03	0.07	0.796	1.01	3.45	0.063	-0.02	3.99	0.046	
177	ER	525	300	-0.25	2.89	0.089	0.24	0.22	0.642	-0.01	1.00	0.317	
178	ER	525	300	0.01	0.01	0.924	1.13	4.21	0.040	-0.02	4.53	0.033	
179	ER	467	317	-0.19	1.35	0.245	-0.30	0.23	0.634	0.00	0.03	0.852	
180	ER	467	317	-0.19	1.54	0.215	0.61	0.86	0.352	-0.01	1.58	0.208	
181	ER	501	278	-0.20	1.42	0.234	-0.08	0.02	0.899	0.00	0.04	0.834	
182	ER	501	278	-0.18	1.38	0.240	0.34	0.28	0.598	-0.01	0.71	0.398	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.251: Logistic Regression DIF Results on Stage V Writing Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
100	MC	566	2747	-0.88	77.82	0.000	-1.20	5.50	0.019	0.01	0.42	0.516	Uniform<
101	MC	566	2747	-1.09	63.20	0.000	-1.60	7.67	0.006	0.01	0.81	0.369	Uniform<
102	MC	163	762	-0.66	13.47	0.000	-0.31	0.11	0.738	-0.01	0.15	0.694	Uniform<
103	MC	163	762	-0.35	3.33	0.068	1.56	2.79	0.095	-0.03	4.24	0.039	
104	MC	163	762	-0.52	6.09	0.014	-1.75	3.20	0.074	0.02	1.63	0.202	
105	MC	163	762	-0.15	0.72	0.398	-1.81	3.88	0.049	0.03	3.37	0.067	
106	MC	163	762	1.13	32.29	0.000	-0.37	0.11	0.737	0.02	1.92	0.165	Uniform>
107	MC	163	762	-0.06	0.09	0.764	0.75	0.61	0.435	-0.01	0.76	0.383	
108	MC	163	762	-0.42	3.20	0.073	-2.46	4.75	0.029	0.03	3.37	0.066	
109	MC	163	762	-1.06	10.96	0.001	-2.21	3.00	0.083	0.02	0.86	0.353	Uniform<
110	MC	163	762	-0.03	0.01	0.917	-0.63	0.29	0.592	0.01	0.27	0.600	
111	MC	163	762	0.35	3.57	0.059	-0.02	0.00	0.988	0.01	0.14	0.709	
112	MC	163	762	0.51	4.86	0.028	0.45	0.17	0.677	0.00	0.00	0.960	
113	MC	163	762	0.25	2.02	0.155	-1.36	2.11	0.147	0.02	3.07	0.080	
114	MC	163	762	0.17	0.91	0.341	-1.70	3.35	0.067	0.03	4.23	0.040	
115	MC	163	762	-0.21	1.43	0.232	-1.31	1.90	0.168	0.02	1.39	0.239	
116	MC	163	762	-0.37	4.19	0.041	0.91	1.03	0.310	-0.02	2.10	0.148	
117	MC	163	762	-1.33	50.05	0.000	-0.92	0.85	0.357	-0.01	0.17	0.681	Uniform<
118	MC	163	762	-1.12	35.05	0.000	0.22	0.05	0.825	-0.02	1.85	0.174	Uniform<
119	MC	163	762	-0.97	26.66	0.000	-1.45	1.93	0.165	0.01	0.22	0.636	Uniform<
120	MC	100	725	-0.92	16.11	0.000	0.07	0.00	0.951	-0.02	0.79	0.373	Uniform<
121	MC	100	725	-1.00	18.19	0.000	0.91	0.75	0.387	-0.03	3.47	0.063	Uniform<
122	MC	100	725	0.49	3.79	0.052	-1.04	0.60	0.440	0.02	1.38	0.241	
123	MC	100	725	-0.76	9.06	0.003	-0.14	0.01	0.904	-0.01	0.31	0.579	Uniform<
124	MC	100	725	0.05	0.04	0.836	0.33	0.07	0.790	0.00	0.05	0.818	
125	MC	100	725	-0.71	10.16	0.001	-0.71	0.41	0.524	0.00	0.00	0.999	Uniform<
126	MC	100	725	0.17	0.46	0.498	0.88	0.45	0.503	-0.01	0.30	0.583	
127	MC	100	725	-0.16	0.45	0.503	0.72	0.37	0.543	-0.01	0.56	0.453	
128	MC	100	725	-0.91	8.55	0.003	-3.52	5.24	0.022	0.05	2.91	0.088	Uniform<
129	MC	100	725	0.30	1.42	0.233	0.94	0.62	0.431	-0.01	0.30	0.584	
130	MC	100	725	0.16	0.47	0.492	-1.92	1.90	0.168	0.03	2.31	0.129	
131	MC	100	725	-0.33	1.08	0.298	1.65	1.11	0.292	-0.03	1.59	0.207	
132	MC	100	725	-0.53	4.65	0.031	-0.74	0.31	0.578	0.00	0.03	0.873	
133	MC	100	725	-0.60	7.14	0.008	0.16	0.02	0.884	-0.01	0.49	0.483	Uniform<
134	MC	100	725	-0.69	5.97	0.015	-0.54	0.19	0.665	0.00	0.01	0.905	
135	MC	100	725	-0.30	0.93	0.334	1.96	1.93	0.165	-0.04	2.53	0.111	
136	MC	100	725	-0.33	2.15	0.143	3.30	9.58	0.002	-0.06	11.80	0.001	NonUniform
137	MC	100	725	-0.04	0.03	0.874	-1.35	1.33	0.249	0.02	1.32	0.250	
138	MC	154	630	-0.20	0.51	0.475	1.05	0.70	0.404	-0.02	1.00	0.317	
139	MC	154	630	-0.09	0.15	0.696	0.97	0.70	0.403	-0.02	0.85	0.356	
140	MC	154	630	-0.55	8.65	0.003	0.21	0.05	0.820	-0.01	0.69	0.406	Uniform<
141	MC	154	630	-1.05	27.79	0.000	-1.73	2.60	0.107	0.01	0.42	0.519	Uniform<
142	MC	154	630	-0.87	13.82	0.000	-1.42	0.96	0.327	0.01	0.15	0.700	Uniform<
143	MC	154	630	0.07	0.14	0.713	0.49	0.23	0.631	-0.01	0.17	0.678	
144	MC	154	630	0.84	11.61	0.001	-0.77	0.48	0.487	0.03	2.15	0.142	Uniform>
145	MC	154	630	-0.49	3.64	0.057	-1.14	0.99	0.320	0.01	0.33	0.564	
146	MC	154	630	-1.60	51.70	0.000	-1.91	3.46	0.063	0.00	0.09	0.763	Uniform<
147	MC	154	630	-1.33	37.41	0.000	-1.55	1.98	0.159	0.00	0.04	0.836	Uniform<
148	MC	154	630	-0.03	0.01	0.908	1.07	0.89	0.346	-0.02	0.96	0.327	
149	MC	154	630	-0.30	2.50	0.114	-1.86	2.96	0.085	0.02	2.15	0.142	
150	MC	154	630	0.51	7.74	0.005	-0.05	0.00	0.960	0.01	0.38	0.539	Uniform>
151	MC	154	630	-0.39	3.96	0.047	-0.69	0.36	0.547	0.00	0.07	0.788	
152	MC	154	630	-0.61	8.37	0.004	0.36	0.14	0.713	-0.02	1.04	0.307	Uniform<
153	MC	154	630	-0.02	0.01	0.908	-1.60	2.76	0.097	0.02	2.80	0.094	
154	MC	154	630	-0.23	1.56	0.211	0.37	0.16	0.687	-0.01	0.45	0.505	
155	MC	154	630	0.23	1.44	0.230	0.54	0.29	0.589	0.00	0.10	0.749	
156	MC	149	630	-0.08	0.17	0.677	-1.23	1.22	0.269	0.02	1.11	0.293	
157	MC	149	630	-0.34	3.01	0.083	-0.61	0.32	0.575	0.00	0.06	0.802	
158	MC	149	630	-0.67	9.92	0.002	-2.72	5.27	0.022	0.03	3.07	0.080	Uniform<
159	MC	149	630	-0.99	9.48	0.002	1.33	0.61	0.437	-0.04	1.81	0.179	Uniform<
160	MC	149	630	0.53	5.81	0.016	-1.36	1.04	0.307	0.03	2.06	0.152	
161	MC	149	630	0.18	0.86	0.355	-0.88	0.60	0.439	0.02	0.90	0.341	
162	MC	149	630	-0.78	16.62	0.000	-0.15	0.02	0.876	-0.01	0.44	0.507	Uniform<
163	MC	149	630	0.28	1.75	0.186	1.23	1.31	0.252	-0.02	0.81	0.369	
164	MC	149	630	0.12	0.31	0.578	-0.08	0.00	0.945	0.00	0.03	0.861	
165	MC	149	630	0.94	21.29	0.000	2.20	4.31	0.038	-0.02	1.48	0.224	Uniform>
166	MC	149	630	0.13	0.40	0.527	-0.08	0.00	0.948	0.00	0.03	0.859	
167	MC	149	630	-0.18	0.55	0.458	2.50	3.91	0.048	-0.04	4.47	0.034	
168	MC	149	630	-0.81	18.66	0.000	-0.84	0.73	0.392	0.00	0.00	0.975	Uniform<
169	MC	149	630	-0.50	4.31	0.038	0.30	0.05	0.828	-0.01	0.34	0.558	
170	MC	149	630	-0.17	0.75	0.386	-0.20	0.03	0.863	0.00	0.00	0.982	
171	MC	149	630	-0.87	18.33	0.000	0.34	0.11	0.745	-0.02	1.38	0.241	Uniform<

**Table F.251: Logistic Regression DIF Results on Stage V Writing Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
172	MC	149	630	-0.63	9.66	0.002	-1.53	1.37	0.242	0.01	0.48	0.486	Uniform<
173	MC	149	630	-0.03	0.01	0.921	-0.08	0.00	0.951	0.00	0.00	0.965	
174	ER	566	2747	-0.40	18.05	0.000	-0.06	0.02	0.893	-0.01	0.61	0.434	Uniform<
175	ER	163	762	-0.22	1.68	0.195	0.12	0.02	0.880	-0.01	0.19	0.663	
176	ER	163	762	-0.15	0.73	0.392	0.76	0.87	0.352	-0.01	1.31	0.252	
177	ER	100	725	-0.17	0.61	0.436	0.54	0.30	0.585	-0.01	0.53	0.465	
178	ER	100	725	-0.50	5.27	0.022	0.19	0.03	0.854	-0.01	0.49	0.483	
179	ER	154	630	-0.19	0.95	0.330	0.22	0.07	0.792	-0.01	0.26	0.613	
180	ER	154	630	-0.51	7.38	0.007	-0.77	0.71	0.398	0.00	0.09	0.770	Uniform<
181	ER	149	630	-0.13	0.39	0.531	0.04	0.00	0.963	0.00	0.04	0.851	
182	ER	149	630	-0.39	4.45	0.035	1.10	1.33	0.250	-0.02	2.57	0.109	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.252: Logistic Regression DIF Results on Stage V Writing Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NU}$	Wald $\chi^2$	p-value	$\beta_2^{NU}$	Wald $\chi^2$	p-value	
100	MC	1807	1506	0.03	0.12	0.725	-0.31	0.89	0.345	0.01	1.13	0.288	
101	MC	1807	1506	-0.15	1.46	0.227	0.28	0.47	0.495	-0.01	1.20	0.273	
102	MC	463	462	-0.05	0.11	0.738	0.99	2.56	0.110	-0.02	2.96	0.085	
103	MC	463	462	-0.10	0.47	0.491	-0.35	0.29	0.593	0.00	0.16	0.693	
104	MC	463	462	0.09	0.23	0.630	0.71	1.04	0.308	-0.01	0.86	0.353	
105	MC	463	462	0.23	2.59	0.108	1.51	6.44	0.011	-0.02	4.95	0.026	
106	MC	463	462	0.29	3.95	0.047	-0.43	0.35	0.552	0.01	1.02	0.314	
107	MC	463	462	-0.26	2.56	0.110	-1.03	2.40	0.121	0.01	1.42	0.234	
108	MC	463	462	-0.05	0.08	0.774	0.74	1.06	0.303	-0.01	1.31	0.252	
109	MC	463	462	-0.05	0.04	0.849	1.75	3.17	0.075	-0.03	3.69	0.055	
110	MC	463	462	-0.70	10.89	0.001	-0.69	0.77	0.381	0.00	0.00	0.980	Uniform<
111	MC	463	462	-0.16	1.20	0.273	-0.32	0.21	0.646	0.00	0.06	0.811	
112	MC	463	462	0.08	0.21	0.645	-0.97	1.71	0.191	0.02	2.09	0.148	
113	MC	463	462	-0.13	0.90	0.344	-0.64	1.17	0.280	0.01	0.79	0.374	
114	MC	463	462	0.06	0.22	0.641	0.86	2.16	0.141	-0.01	1.97	0.161	
115	MC	463	462	0.07	0.23	0.628	-0.02	0.00	0.974	0.00	0.02	0.884	
116	MC	463	462	0.00	0.00	0.992	-0.41	0.44	0.507	0.01	0.47	0.495	
117	MC	463	462	-0.25	3.18	0.074	-0.79	1.58	0.209	0.01	0.77	0.381	
118	MC	463	462	-0.16	1.18	0.278	0.45	0.44	0.505	-0.01	0.85	0.358	
119	MC	463	462	-0.28	3.55	0.059	-0.19	0.08	0.774	0.00	0.02	0.888	
120	MC	469	356	0.22	1.88	0.171	0.14	0.05	0.822	0.00	0.01	0.907	
121	MC	469	356	-0.07	0.17	0.680	0.12	0.04	0.844	0.00	0.11	0.745	
122	MC	469	356	-0.16	0.78	0.376	-0.03	0.00	0.964	0.00	0.03	0.861	
123	MC	469	356	0.39	4.34	0.037	0.28	0.18	0.672	0.00	0.03	0.868	
124	MC	469	356	0.06	0.13	0.718	0.84	1.28	0.258	-0.01	1.17	0.280	
125	MC	469	356	-0.28	3.74	0.053	-1.25	4.80	0.028	0.02	3.09	0.079	
126	MC	469	356	-0.16	0.84	0.361	1.04	1.53	0.216	-0.02	2.12	0.146	
127	MC	469	356	-0.35	5.21	0.022	-0.15	0.04	0.834	0.00	0.09	0.764	
128	MC	469	356	-0.64	6.36	0.012	-0.99	1.76	0.185	0.01	0.25	0.617	
129	MC	469	356	-0.05	0.07	0.790	-1.35	3.63	0.057	0.02	3.60	0.058	
130	MC	469	356	0.13	0.66	0.415	-0.25	0.13	0.724	0.01	0.30	0.586	
131	MC	469	356	0.52	6.87	0.009	-1.23	1.81	0.178	0.03	3.83	0.050	Uniform>
132	MC	469	356	-0.03	0.04	0.834	-0.12	0.03	0.858	0.00	0.02	0.893	
133	MC	469	356	0.13	0.75	0.387	0.18	0.09	0.758	0.00	0.01	0.923	
134	MC	469	356	-0.31	2.17	0.141	-1.19	2.87	0.090	0.02	1.72	0.190	
135	MC	469	356	-0.25	1.69	0.193	0.19	0.07	0.798	-0.01	0.38	0.538	
136	MC	469	356	0.26	2.85	0.091	0.67	0.97	0.325	-0.01	0.39	0.531	
137	MC	469	356	0.30	4.02	0.045	-1.24	4.36	0.037	0.02	7.12	0.008	NonUniform
138	MC	384	400	-0.01	0.00	0.965	0.34	0.12	0.726	-0.01	0.14	0.712	
139	MC	384	400	-0.26	2.18	0.140	0.08	0.01	0.930	0.00	0.14	0.705	
140	MC	384	400	0.15	1.02	0.313	0.18	0.06	0.799	0.00	0.00	0.969	
141	MC	384	400	0.34	3.98	0.046	-0.19	0.06	0.804	0.01	0.52	0.473	
142	MC	384	400	-0.17	1.11	0.292	-0.07	0.01	0.933	0.00	0.01	0.910	
143	MC	384	400	0.14	0.72	0.397	-1.06	1.81	0.178	0.02	2.43	0.119	
144	MC	384	400	-0.19	1.20	0.274	-1.00	1.73	0.188	0.01	1.20	0.274	
145	MC	384	400	-0.04	0.03	0.865	-0.50	0.33	0.565	0.01	0.30	0.582	
146	MC	384	400	0.15	0.52	0.472	0.58	0.54	0.461	-0.01	0.33	0.567	
147	MC	384	400	0.24	1.60	0.206	0.02	0.00	0.980	0.00	0.08	0.777	
148	MC	384	400	-0.29	1.99	0.158	-2.11	4.96	0.026	0.03	3.98	0.046	
149	MC	384	400	0.29	3.47	0.063	0.15	0.04	0.835	0.00	0.04	0.846	
150	MC	384	400	-0.05	0.11	0.742	0.12	0.03	0.862	0.00	0.06	0.802	
151	MC	384	400	0.00	0.00	0.979	-0.40	0.25	0.619	0.01	0.25	0.616	
152	MC	384	400	0.02	0.01	0.934	-0.05	0.00	0.950	0.00	0.01	0.933	
153	MC	384	400	-0.29	3.69	0.055	-0.77	1.29	0.256	0.01	0.54	0.463	
154	MC	384	400	-0.02	0.02	0.879	0.29	0.18	0.672	0.00	0.22	0.641	
155	MC	384	400	0.63	16.93	0.000	-0.47	0.36	0.548	0.02	2.05	0.152	Uniform>
156	MC	491	288	-0.11	0.51	0.475	-0.12	0.03	0.870	0.00	0.00	0.986	
157	MC	491	288	-0.18	1.29	0.257	-0.28	0.15	0.703	0.00	0.02	0.883	
158	MC	491	288	0.82	18.09	0.000	0.16	0.04	0.840	0.01	0.79	0.374	Uniform>
159	MC	491	288	0.05	0.06	0.801	-0.79	0.57	0.449	0.01	0.67	0.414	
160	MC	491	288	-0.26	2.10	0.147	1.20	1.73	0.188	-0.02	2.66	0.103	
161	MC	491	288	-0.34	4.18	0.041	-0.24	0.10	0.756	0.00	0.02	0.892	
162	MC	491	288	0.57	11.54	0.001	0.19	0.07	0.787	0.01	0.30	0.586	Uniform>
163	MC	491	288	-0.27	2.28	0.131	1.29	2.48	0.116	-0.02	3.82	0.051	
164	MC	491	288	-0.14	0.56	0.453	-0.45	0.29	0.588	0.01	0.15	0.700	
165	MC	491	288	-0.55	11.72	0.001	0.88	1.08	0.298	-0.02	2.97	0.085	Uniform<
166	MC	491	288	-0.07	0.17	0.682	-0.34	0.17	0.683	0.00	0.11	0.739	
167	MC	491	288	-0.09	0.22	0.642	0.33	0.12	0.729	-0.01	0.20	0.656	
168	MC	491	288	0.94	37.01	0.000	1.17	2.83	0.093	0.00	0.12	0.728	Uniform>
169	MC	491	288	0.58	9.94	0.002	3.07	7.02	0.008	-0.04	4.85	0.028	Uniform>
170	MC	491	288	0.29	2.89	0.089	1.65	3.40	0.065	-0.02	2.42	0.120	
171	MC	491	288	-0.10	0.29	0.588	0.13	0.03	0.874	0.00	0.08	0.775	

**Table F.252: Logistic Regression DIF Results on Stage V Writing Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
172	MC	491	288	0.20	1.30	0.254	1.34	1.97	0.161	-0.02	1.47	0.225	NonUniform
173	MC	491	288	-0.10	0.25	0.619	0.28	0.10	0.756	-0.01	0.19	0.666	
174	ER	1807	1506	0.18	6.01	0.014	0.93	10.24	0.001	-0.01	7.24	0.007	
175	ER	463	462	-0.26	3.86	0.050	-0.46	0.72	0.395	0.00	0.15	0.698	
176	ER	463	462	-0.01	0.00	0.951	1.13	4.34	0.037	-0.02	4.75	0.029	
177	ER	469	356	-0.27	3.72	0.054	-0.24	0.22	0.642	0.00	0.01	0.936	
178	ER	469	356	-0.23	2.50	0.114	0.94	3.01	0.083	-0.02	5.16	0.023	
179	ER	384	400	-0.03	0.04	0.851	-0.55	0.76	0.385	0.01	0.72	0.396	
180	ER	384	400	0.20	1.71	0.191	0.26	0.16	0.692	0.00	0.01	0.921	
181	ER	491	288	-0.17	1.01	0.315	-0.49	0.55	0.457	0.01	0.26	0.612	
182	ER	491	288	-0.24	2.28	0.131	-0.48	0.51	0.477	0.00	0.14	0.705	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.253: Logistic Regression DIF Results on Stage V Writing Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
					$\chi^2$			$\chi^2$			$\chi^2$		
100	MC	1807	662	0.26	6.65	0.010	0.06	0.02	0.900	0.00	0.23	0.634	Uniform>
101	MC	1807	662	0.11	0.53	0.467	0.26	0.23	0.633	0.00	0.08	0.778	
102	MC	463	172	0.07	0.15	0.700	1.15	1.54	0.215	-0.02	1.41	0.235	
103	MC	463	172	0.12	0.36	0.546	-0.13	0.02	0.897	0.00	0.06	0.800	
104	MC	463	172	0.10	0.18	0.669	1.69	2.85	0.091	-0.03	2.62	0.105	
105	MC	463	172	0.40	4.55	0.033	2.99	10.04	0.002	-0.04	7.89	0.005	NonUniform
106	MC	463	172	-0.24	1.46	0.226	-0.79	0.61	0.435	0.01	0.31	0.578	
107	MC	463	172	0.12	0.31	0.580	0.47	0.23	0.633	-0.01	0.13	0.716	
108	MC	463	172	-0.11	0.18	0.675	0.51	0.24	0.627	-0.01	0.37	0.543	
109	MC	463	172	-0.50	1.15	0.284	0.88	0.32	0.570	-0.02	0.82	0.366	
110	MC	463	172	-0.35	1.47	0.225	-0.05	0.00	0.968	-0.01	0.08	0.780	
111	MC	463	172	-0.64	10.26	0.001	0.85	0.60	0.438	-0.02	1.92	0.165	Uniform<
112	MC	463	172	-0.29	1.40	0.236	-1.03	0.91	0.340	0.01	0.49	0.483	
113	MC	463	172	0.02	0.01	0.928	0.59	0.41	0.522	-0.01	0.41	0.524	
114	MC	463	172	0.08	0.21	0.645	2.28	5.73	0.017	-0.03	5.61	0.018	
115	MC	463	172	0.28	2.28	0.131	2.28	4.81	0.028	-0.03	3.86	0.049	
116	MC	463	172	0.15	0.68	0.410	-0.19	0.05	0.832	0.01	0.15	0.699	
117	MC	463	172	0.08	0.19	0.660	0.26	0.07	0.790	0.00	0.03	0.855	
118	MC	463	172	0.35	3.38	0.066	0.50	0.25	0.618	0.00	0.02	0.879	
119	MC	463	172	0.03	0.03	0.871	-1.36	2.25	0.133	0.02	2.48	0.116	
120	MC	469	129	0.38	2.96	0.085	0.59	0.36	0.549	0.00	0.05	0.828	
121	MC	469	129	0.20	0.69	0.407	0.74	0.61	0.435	-0.01	0.35	0.555	
122	MC	469	129	-0.13	0.27	0.603	0.30	0.07	0.794	-0.01	0.15	0.698	
123	MC	469	129	0.33	1.53	0.216	0.15	0.02	0.880	0.00	0.04	0.848	
124	MC	469	129	-0.01	0.00	0.975	1.36	1.37	0.242	-0.02	1.46	0.227	
125	MC	469	129	-0.50	5.56	0.018	-0.16	0.03	0.861	-0.01	0.16	0.688	
126	MC	469	129	-0.28	1.47	0.226	0.04	0.00	0.973	0.00	0.08	0.776	
127	MC	469	129	-0.18	0.74	0.390	-0.62	0.39	0.533	0.01	0.20	0.654	
128	MC	469	129	-1.07	5.85	0.016	-0.77	0.35	0.555	-0.01	0.06	0.807	
129	MC	469	129	-0.37	2.02	0.155	-1.60	2.48	0.115	0.02	1.58	0.209	
130	MC	469	129	-0.35	2.29	0.130	0.40	0.13	0.720	-0.01	0.47	0.494	
131	MC	469	129	0.47	2.78	0.095	-0.03	0.00	0.984	0.01	0.12	0.733	
132	MC	469	129	0.06	0.07	0.794	-0.54	0.31	0.577	0.01	0.40	0.529	
133	MC	469	129	0.08	0.16	0.688	0.88	0.89	0.346	-0.01	0.77	0.380	
134	MC	469	129	-0.43	1.72	0.190	-1.09	1.02	0.312	0.01	0.42	0.519	
135	MC	469	129	-0.21	0.64	0.423	0.72	0.41	0.523	-0.01	0.74	0.391	
136	MC	469	129	0.37	2.93	0.087	1.43	1.66	0.198	-0.02	0.97	0.326	
137	MC	469	129	0.14	0.48	0.489	-0.93	1.12	0.290	0.02	1.56	0.211	
138	MC	384	232	0.14	0.32	0.570	-0.42	0.15	0.696	0.01	0.29	0.590	
139	MC	384	232	-0.04	0.04	0.839	-0.30	0.08	0.776	0.00	0.06	0.804	
140	MC	384	232	0.14	0.63	0.429	-0.35	0.19	0.663	0.01	0.39	0.531	
141	MC	384	232	0.34	3.02	0.082	-0.61	0.51	0.477	0.02	1.31	0.253	
142	MC	384	232	-0.08	0.16	0.687	0.02	0.00	0.983	0.00	0.01	0.922	
143	MC	384	232	0.16	0.71	0.400	-1.53	2.99	0.084	0.03	3.82	0.051	
144	MC	384	232	-0.01	0.00	0.954	-0.42	0.22	0.637	0.01	0.22	0.638	
145	MC	384	232	-0.13	0.23	0.630	-1.06	1.17	0.280	0.02	0.98	0.323	
146	MC	384	232	0.27	1.35	0.245	1.05	1.34	0.248	-0.01	0.79	0.373	
147	MC	384	232	0.38	3.15	0.076	-0.48	0.29	0.591	0.01	0.98	0.323	
148	MC	384	232	-0.18	0.58	0.444	-2.37	5.04	0.025	0.03	4.55	0.033	
149	MC	384	232	0.12	0.42	0.518	-0.25	0.09	0.760	0.01	0.21	0.646	
150	MC	384	232	-0.08	0.22	0.636	0.40	0.24	0.624	-0.01	0.37	0.545	
151	MC	384	232	0.00	0.00	0.978	0.60	0.36	0.550	-0.01	0.36	0.547	
152	MC	384	232	-0.15	0.50	0.478	-0.75	0.74	0.388	0.01	0.50	0.478	
153	MC	384	232	-0.31	3.09	0.079	-0.32	0.17	0.681	0.00	0.00	0.983	
154	MC	384	232	-0.15	0.78	0.379	-0.45	0.34	0.560	0.00	0.16	0.691	
155	MC	384	232	0.67	13.72	0.000	0.94	0.90	0.343	0.00	0.08	0.781	Uniform>
156	MC	491	129	-0.20	1.00	0.318	-1.03	1.08	0.299	0.01	0.72	0.395	
157	MC	491	129	-0.08	0.15	0.698	-1.37	1.95	0.162	0.02	1.79	0.180	
158	MC	491	129	0.89	13.18	0.000	-0.73	0.51	0.474	0.03	2.68	0.102	Uniform>
159	MC	491	129	0.69	4.90	0.027	0.95	0.25	0.614	0.00	0.02	0.888	
160	MC	491	129	-0.69	7.13	0.008	1.36	1.05	0.306	-0.03	2.44	0.119	Uniform<
161	MC	491	129	-0.58	6.23	0.013	-1.11	1.12	0.290	0.01	0.27	0.603	
162	MC	491	129	0.62	7.87	0.005	1.21	1.39	0.239	-0.01	0.35	0.555	Uniform>
163	MC	491	129	-0.02	0.01	0.932	1.93	2.34	0.126	-0.03	2.58	0.108	
164	MC	491	129	0.02	0.00	0.948	-0.04	0.00	0.974	0.00	0.00	0.963	
165	MC	491	129	-0.71	10.63	0.001	1.54	1.55	0.213	-0.04	3.40	0.065	Uniform<
166	MC	491	129	-0.07	0.09	0.763	-0.16	0.02	0.887	0.00	0.01	0.932	
167	MC	491	129	0.27	0.99	0.320	0.05	0.00	0.970	0.00	0.02	0.879	
168	MC	491	129	0.81	16.06	0.000	0.78	0.66	0.415	0.00	0.00	0.972	Uniform>
169	MC	491	129	0.52	4.54	0.033	2.11	1.88	0.171	-0.02	1.12	0.291	
170	MC	491	129	0.26	1.39	0.239	2.56	3.62	0.057	-0.04	3.01	0.083	
171	MC	491	129	0.26	1.24	0.266	0.40	0.13	0.722	0.00	0.02	0.898	

**Table F.253: Logistic Regression DIF Results on Stage V Writing Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
172	MC	491	129	0.52	5.18	0.023	2.79	3.58	0.058	-0.04	2.44	0.118	
173	MC	491	129	-0.13	0.24	0.623	-0.14	0.01	0.909	0.00	0.00	0.993	
174	ER	1807	662	0.17	3.54	0.060	0.87	4.86	0.027	-0.01	3.31	0.069	
175	ER	463	172	-0.25	1.97	0.161	-0.79	0.99	0.321	0.01	0.49	0.486	
176	ER	463	172	0.23	1.67	0.197	0.64	0.65	0.422	-0.01	0.28	0.597	
177	ER	469	129	-0.17	0.69	0.407	-0.93	1.47	0.226	0.01	1.08	0.298	
178	ER	469	129	-0.01	0.00	0.955	1.38	2.87	0.090	-0.02	3.22	0.073	
179	ER	384	232	-0.02	0.02	0.902	-0.37	0.26	0.608	0.01	0.25	0.619	
180	ER	384	232	0.22	1.56	0.211	0.40	0.27	0.604	0.00	0.06	0.811	
181	ER	491	129	-0.14	0.41	0.523	0.25	0.07	0.791	-0.01	0.19	0.663	
182	ER	491	129	0.01	0.00	0.966	-1.43	2.29	0.131	0.02	2.47	0.116	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.254: Logistic Regression DIF Results on Stage V Writing Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
					$\chi^2$			$\chi^2$			$\chi^2$		
100	MC	1807	662	0.26	6.65	0.010	0.06	0.02	0.900	0.00	0.23	0.634	Uniform>
101	MC	1807	662	0.11	0.53	0.467	0.26	0.23	0.633	0.00	0.08	0.778	
102	MC	463	172	0.07	0.15	0.700	1.15	1.54	0.215	-0.02	1.41	0.235	
103	MC	463	172	0.12	0.36	0.546	-0.13	0.02	0.897	0.00	0.06	0.800	
104	MC	463	172	0.10	0.18	0.669	1.69	2.85	0.091	-0.03	2.62	0.105	
105	MC	463	172	0.40	4.55	0.033	2.99	10.04	0.002	-0.04	7.89	0.005	NonUniform
106	MC	463	172	-0.24	1.46	0.226	-0.79	0.61	0.435	0.01	0.31	0.578	
107	MC	463	172	0.12	0.31	0.580	0.47	0.23	0.633	-0.01	0.13	0.716	
108	MC	463	172	-0.11	0.18	0.675	0.51	0.24	0.627	-0.01	0.37	0.543	
109	MC	463	172	-0.50	1.15	0.284	0.88	0.32	0.570	-0.02	0.82	0.366	
110	MC	463	172	-0.35	1.47	0.225	-0.05	0.00	0.968	-0.01	0.08	0.780	
111	MC	463	172	-0.64	10.26	0.001	0.85	0.60	0.438	-0.02	1.92	0.165	Uniform<
112	MC	463	172	-0.29	1.40	0.236	-1.03	0.91	0.340	0.01	0.49	0.483	
113	MC	463	172	0.02	0.01	0.928	0.59	0.41	0.522	-0.01	0.41	0.524	
114	MC	463	172	0.08	0.21	0.645	2.28	5.73	0.017	-0.03	5.61	0.018	
115	MC	463	172	0.28	2.28	0.131	2.28	4.81	0.028	-0.03	3.86	0.049	
116	MC	463	172	0.15	0.68	0.410	-0.19	0.05	0.832	0.01	0.15	0.699	
117	MC	463	172	0.08	0.19	0.660	0.26	0.07	0.790	0.00	0.03	0.855	
118	MC	463	172	0.35	3.38	0.066	0.50	0.25	0.618	0.00	0.02	0.879	
119	MC	463	172	0.03	0.03	0.871	-1.36	2.25	0.133	0.02	2.48	0.116	
120	MC	469	129	0.38	2.96	0.085	0.59	0.36	0.549	0.00	0.05	0.828	
121	MC	469	129	0.20	0.69	0.407	0.74	0.61	0.435	-0.01	0.35	0.555	
122	MC	469	129	-0.13	0.27	0.603	0.30	0.07	0.794	-0.01	0.15	0.698	
123	MC	469	129	0.33	1.53	0.216	0.15	0.02	0.880	0.00	0.04	0.848	
124	MC	469	129	-0.01	0.00	0.975	1.36	1.37	0.242	-0.02	1.46	0.227	
125	MC	469	129	-0.50	5.56	0.018	-0.16	0.03	0.861	-0.01	0.16	0.688	
126	MC	469	129	-0.28	1.47	0.226	0.04	0.00	0.973	0.00	0.08	0.776	
127	MC	469	129	-0.18	0.74	0.390	-0.62	0.39	0.533	0.01	0.20	0.654	
128	MC	469	129	-1.07	5.85	0.016	-0.77	0.35	0.555	-0.01	0.06	0.807	
129	MC	469	129	-0.37	2.02	0.155	-1.60	2.48	0.115	0.02	1.58	0.209	
130	MC	469	129	-0.35	2.29	0.130	0.40	0.13	0.720	-0.01	0.47	0.494	
131	MC	469	129	0.47	2.78	0.095	-0.03	0.00	0.984	0.01	0.12	0.733	
132	MC	469	129	0.06	0.07	0.794	-0.54	0.31	0.577	0.01	0.40	0.529	
133	MC	469	129	0.08	0.16	0.688	0.88	0.89	0.346	-0.01	0.77	0.380	
134	MC	469	129	-0.43	1.72	0.190	-1.09	1.02	0.312	0.01	0.42	0.519	
135	MC	469	129	-0.21	0.64	0.423	0.72	0.41	0.523	-0.01	0.74	0.391	
136	MC	469	129	0.37	2.93	0.087	1.43	1.66	0.198	-0.02	0.97	0.326	
137	MC	469	129	0.14	0.48	0.489	-0.93	1.12	0.290	0.02	1.56	0.211	
138	MC	384	232	0.14	0.32	0.570	-0.42	0.15	0.696	0.01	0.29	0.590	
139	MC	384	232	-0.04	0.04	0.839	-0.30	0.08	0.776	0.00	0.06	0.804	
140	MC	384	232	0.14	0.63	0.429	-0.35	0.19	0.663	0.01	0.39	0.531	
141	MC	384	232	0.34	3.02	0.082	-0.61	0.51	0.477	0.02	1.31	0.253	
142	MC	384	232	-0.08	0.16	0.687	0.02	0.00	0.983	0.00	0.01	0.922	
143	MC	384	232	0.16	0.71	0.400	-1.53	2.99	0.084	0.03	3.82	0.051	
144	MC	384	232	-0.01	0.00	0.954	-0.42	0.22	0.637	0.01	0.22	0.638	
145	MC	384	232	-0.13	0.23	0.630	-1.06	1.17	0.280	0.02	0.98	0.323	
146	MC	384	232	0.27	1.35	0.245	1.05	1.34	0.248	-0.01	0.79	0.373	
147	MC	384	232	0.38	3.15	0.076	-0.48	0.29	0.591	0.01	0.98	0.323	
148	MC	384	232	-0.18	0.58	0.444	-2.37	5.04	0.025	0.03	4.55	0.033	
149	MC	384	232	0.12	0.42	0.518	-0.25	0.09	0.760	0.01	0.21	0.646	
150	MC	384	232	-0.08	0.22	0.636	0.40	0.24	0.624	-0.01	0.37	0.545	
151	MC	384	232	0.00	0.00	0.978	0.60	0.36	0.550	-0.01	0.36	0.547	
152	MC	384	232	-0.15	0.50	0.478	-0.75	0.74	0.388	0.01	0.50	0.478	
153	MC	384	232	-0.31	3.09	0.079	-0.32	0.17	0.681	0.00	0.00	0.983	
154	MC	384	232	-0.15	0.78	0.379	-0.45	0.34	0.560	0.00	0.16	0.691	
155	MC	384	232	0.67	13.72	0.000	0.94	0.90	0.343	0.00	0.08	0.781	Uniform>
156	MC	491	129	-0.20	1.00	0.318	-1.03	1.08	0.299	0.01	0.72	0.395	
157	MC	491	129	-0.08	0.15	0.698	-1.37	1.95	0.162	0.02	1.79	0.180	
158	MC	491	129	0.89	13.18	0.000	-0.73	0.51	0.474	0.03	2.68	0.102	Uniform>
159	MC	491	129	0.69	4.90	0.027	0.95	0.25	0.614	0.00	0.02	0.888	
160	MC	491	129	-0.69	7.13	0.008	1.36	1.05	0.306	-0.03	2.44	0.119	Uniform<
161	MC	491	129	-0.58	6.23	0.013	-1.11	1.12	0.290	0.01	0.27	0.603	
162	MC	491	129	0.62	7.87	0.005	1.21	1.39	0.239	-0.01	0.35	0.555	Uniform>
163	MC	491	129	-0.02	0.01	0.932	1.93	2.34	0.126	-0.03	2.58	0.108	
164	MC	491	129	0.02	0.00	0.948	-0.04	0.00	0.974	0.00	0.00	0.963	
165	MC	491	129	-0.71	10.63	0.001	1.54	1.55	0.213	-0.04	3.40	0.065	Uniform<
166	MC	491	129	-0.07	0.09	0.763	-0.16	0.02	0.887	0.00	0.01	0.932	
167	MC	491	129	0.27	0.99	0.320	0.05	0.00	0.970	0.00	0.02	0.879	
168	MC	491	129	0.81	16.06	0.000	0.78	0.66	0.415	0.00	0.00	0.972	Uniform>
169	MC	491	129	0.52	4.54	0.033	2.11	1.88	0.171	-0.02	1.12	0.291	
170	MC	491	129	0.26	1.39	0.239	2.56	3.62	0.057	-0.04	3.01	0.083	
171	MC	491	129	0.26	1.24	0.266	0.40	0.13	0.722	0.00	0.02	0.898	

**Table F.254: Logistic Regression DIF Results on Stage V Writing Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
172	MC	491	129	0.52	5.18	0.023	2.79	3.58	0.058	-0.04	2.44	0.118	
173	MC	491	129	-0.13	0.24	0.623	-0.14	0.01	0.909	0.00	0.00	0.993	
174	ER	1807	662	0.17	3.54	0.060	0.87	4.86	0.027	-0.01	3.31	0.069	
175	ER	463	172	-0.25	1.97	0.161	-0.79	0.99	0.321	0.01	0.49	0.486	
176	ER	463	172	0.23	1.67	0.197	0.64	0.65	0.422	-0.01	0.28	0.597	
177	ER	469	129	-0.17	0.69	0.407	-0.93	1.47	0.226	0.01	1.08	0.298	
178	ER	469	129	-0.01	0.00	0.955	1.38	2.87	0.090	-0.02	3.22	0.073	
179	ER	384	232	-0.02	0.02	0.902	-0.37	0.26	0.608	0.01	0.25	0.619	
180	ER	384	232	0.22	1.56	0.211	0.40	0.27	0.604	0.00	0.06	0.811	
181	ER	491	129	-0.14	0.41	0.523	0.25	0.07	0.791	-0.01	0.19	0.663	
182	ER	491	129	0.01	0.00	0.966	-1.43	2.29	0.131	0.02	2.47	0.116	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.255: Logistic Regression DIF Results on Stage V Writing Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
100	MC	50	662	0.11	0.12	0.726	-0.16	0.01	0.921	0.00	0.03	0.864	
101	MC	50	662	-0.02	0.00	0.975	-2.90	1.76	0.185	0.05	1.72	0.189	
102	MC	7	172	-1.13	1.84	0.175	138.54	0.08	0.775	1.72	0.08	0.776	
103	MC	7	172	-0.30	0.12	0.725	5.68	1.40	0.236	-0.08	1.48	0.224	
104	MC	7	172	-0.03	0.00	0.979	3.95	0.44	0.506	-0.06	0.52	0.473	
105	MC	7	172	0.29	0.11	0.746	4.22	0.87	0.352	-0.05	0.83	0.363	
106	MC	7	172	13.68	0.00	0.976	14.62	0.00	0.979	-0.06	0.00	0.994	
107	MC	7	172	0.49	0.19	0.665	5.41	0.83	0.363	-0.07	0.80	0.370	
108	MC	7	172	11.69	0.00	0.975	13.01	0.00	0.980	-0.06	0.00	0.993	
109	MC	7	172	10.03	0.00	0.979	12.04	0.00	0.984	-0.07	0.00	0.993	
110	MC	7	172	-1.74	3.14	0.076	-4.39	0.53	0.468	0.04	0.19	0.661	
111	MC	7	172	0.99	0.73	0.394	3.12	0.29	0.587	-0.03	0.15	0.697	
112	MC	7	172	-1.70	3.67	0.055	-0.07	0.00	0.988	-0.02	0.14	0.703	
113	MC	7	172	1.54	1.94	0.164	9.60	1.34	0.248	-0.11	1.13	0.288	
114	MC	7	172	1.16	1.75	0.186	-0.69	0.02	0.886	0.03	0.15	0.699	
115	MC	7	172	0.65	0.50	0.479	3.68	0.68	0.410	-0.04	0.50	0.479	
116	MC	7	172	-0.77	0.79	0.375	2.45	0.31	0.581	-0.04	0.52	0.471	
117	MC	7	172	-1.04	1.54	0.215	137.77	0.08	0.773	1.71	0.08	0.774	
118	MC	7	172	-0.11	0.02	0.899	111.50	0.07	0.792	1.55	0.07	0.791	
119	MC	7	172	1.09	0.97	0.325	-13.38	0.37	0.546	0.24	0.37	0.541	
120	MC	16	129	0.47	0.54	0.461	-0.65	0.03	0.865	0.02	0.09	0.767	
121	MC	16	129	0.21	0.09	0.767	-3.93	0.63	0.429	0.06	0.71	0.400	
122	MC	16	129	-1.36	1.65	0.199	0.53	0.01	0.930	-0.03	0.10	0.753	
123	MC	16	129	0.39	0.22	0.636	-0.33	0.01	0.932	0.01	0.04	0.851	
124	MC	16	129	-0.21	0.13	0.719	-1.26	0.07	0.788	0.01	0.05	0.821	
125	MC	16	129	-0.47	0.73	0.393	4.38	1.63	0.201	-0.07	2.10	0.148	
126	MC	16	129	-0.40	0.41	0.524	-34.93	2.49	0.114	0.45	2.56	0.110	
127	MC	16	129	0.62	1.29	0.257	-1.67	0.19	0.664	0.03	0.36	0.546	
128	MC	16	129	-1.03	0.69	0.407	-39.84	0.03	0.868	0.80	0.03	0.867	
129	MC	16	129	0.62	0.57	0.449	0.17	0.00	0.965	0.01	0.01	0.906	
130	MC	16	129	1.29	2.31	0.128	-13.82	0.70	0.404	0.25	0.81	0.368	
131	MC	16	129	0.19	0.07	0.788	5.16	1.93	0.165	-0.07	1.74	0.187	
132	MC	16	129	-0.61	0.99	0.320	-23.90	2.73	0.098	0.31	2.77	0.096	
133	MC	16	129	0.62	1.13	0.287	2.56	0.61	0.433	-0.03	0.37	0.544	
134	MC	16	129	-0.47	0.31	0.580	2.26	0.29	0.590	-0.04	0.47	0.494	
135	MC	16	129	-0.46	0.33	0.566	4.65	1.40	0.236	-0.08	1.61	0.205	
136	MC	16	129	0.09	0.03	0.864	5.36	2.74	0.098	-0.08	2.71	0.100	
137	MC	16	129	-0.15	0.08	0.781	0.28	0.01	0.932	-0.01	0.02	0.894	
138	MC	16	232	-0.74	0.49	0.483	0.11	0.00	0.977	-0.01	0.05	0.821	
139	MC	16	232	-0.07	0.01	0.920	-57.25	1.18	0.278	0.79	1.21	0.271	
140	MC	16	232	-1.02	3.25	0.072	-1.35	0.21	0.648	0.01	0.01	0.910	
141	MC	16	232	-1.25	5.02	0.025	-3.18	0.78	0.378	0.03	0.30	0.582	
142	MC	16	232	-0.50	0.56	0.453	-12.30	1.48	0.224	0.17	1.44	0.229	
143	MC	16	232	0.84	2.57	0.109	3.28	1.82	0.178	-0.04	1.06	0.303	
144	MC	16	232	13.87	0.00	0.966	13.96	0.00	0.967	-0.05	0.00	0.992	
145	MC	16	232	-0.20	0.08	0.783	-2.64	0.70	0.403	0.05	0.62	0.432	
146	MC	16	232	0.81	0.95	0.330	252.56	0.75	0.386	6.39	0.75	0.386	
147	MC	16	232	-0.73	1.68	0.195	-4.61	1.29	0.256	0.06	0.96	0.327	
148	MC	16	232	0.20	0.09	0.763	-1.98	0.38	0.536	0.04	0.52	0.471	
149	MC	16	232	-0.68	1.54	0.214	-3.71	0.95	0.329	0.05	0.67	0.413	
150	MC	16	232	0.31	0.35	0.554	-1.50	0.28	0.598	0.03	0.43	0.512	
151	MC	16	232	-0.04	0.00	0.947	4.50	3.76	0.052	-0.07	3.83	0.050	
152	MC	16	232	-1.85	10.58	0.001	-8.37	2.05	0.152	0.10	1.31	0.252	
153	MC	16	232	-0.57	1.16	0.281	3.12	1.80	0.180	-0.06	2.64	0.105	
154	MC	16	232	-1.06	3.19	0.074	-0.50	0.04	0.851	-0.01	0.05	0.829	
155	MC	16	232	0.46	0.71	0.399	5.28	5.11	0.024	-0.08	4.38	0.036	
156	MC	11	129	-0.68	0.94	0.333	-5.37	0.43	0.510	0.08	0.34	0.559	
157	MC	11	129	-1.81	2.89	0.089	-3.61	0.13	0.717	0.03	0.03	0.854	
158	MC	11	129	-0.62	0.93	0.335	-10.82	1.20	0.273	0.17	1.09	0.296	
159	MC	11	129	-11.92	0.00	0.976	-5.16	0.00	0.990	-0.05	0.00	0.995	
160	MC	11	129	0.40	0.20	0.655	-4.36	0.32	0.573	0.08	0.39	0.533	
161	MC	11	129	0.11	0.02	0.878	-7.04	0.83	0.361	0.12	0.88	0.348	
162	MC	11	129	1.93	3.20	0.074	34.10	1.45	0.228	-0.50	1.41	0.235	
163	MC	11	129	0.94	1.93	0.165	-5.91	0.46	0.499	0.11	0.63	0.427	
164	MC	11	129	0.28	0.15	0.703	20.31	2.52	0.112	-0.32	2.60	0.107	
165	MC	11	129	0.29	0.17	0.677	22.63	3.14	0.076	-0.36	3.20	0.074	
166	MC	11	129	-0.06	0.01	0.929	-5.32	0.42	0.518	0.09	0.42	0.519	
167	MC	11	129	0.74	1.03	0.309	16.10	2.07	0.150	-0.26	1.91	0.167	

Uniform&lt;

**Table F.255: Logistic Regression DIF Results on Stage V Writing Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
168	MC	11	129	-0.73	1.08	0.299	-1.22	0.04	0.833	0.01	0.01	0.932	
169	MC	11	129	0.22	0.07	0.790	3.09	0.22	0.638	-0.05	0.19	0.664	
170	MC	11	129	0.14	0.05	0.830	2.55	0.24	0.627	-0.04	0.21	0.646	
171	MC	11	129	0.44	0.37	0.541	9.14	1.45	0.228	-0.14	1.40	0.237	
172	MC	11	129	0.31	0.21	0.648	5.10	1.07	0.301	-0.08	0.95	0.330	
173	MC	11	129	-0.72	0.45	0.504	-0.42	0.00	0.958	0.00	0.00	0.969	
174	ER	50	662	0.43	2.04	0.153	-1.36	0.84	0.360	0.03	1.51	0.219	
175	ER	7	172	1.35	2.60	0.107	2.49	0.33	0.565	-0.02	0.07	0.787	
176	ER	7	172	0.93	1.33	0.249	-0.43	0.01	0.917	0.02	0.11	0.736	
177	ER	16	129	1.10	4.31	0.038	-3.02	1.01	0.316	0.06	1.86	0.173	
178	ER	16	129	0.26	0.23	0.628	-0.51	0.03	0.864	0.01	0.07	0.796	
179	ER	16	232	1.41	6.16	0.013	-1.66	0.53	0.469	0.05	1.80	0.180	
180	ER	16	232	0.38	0.46	0.497	-4.63	2.20	0.138	0.08	2.80	0.094	
181	ER	11	129	-0.31	0.21	0.644	8.94	2.66	0.103	-0.15	2.97	0.085	
182	ER	11	129	0.90	1.79	0.181	-1.75	0.15	0.700	0.04	0.35	0.551	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.256: Logistic Regression DIF Results on Stage V Writing Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
					$\chi^2$			$\chi^2$			$\chi^2$		
100	MC	3313	1623	-0.42	24.77	0.000	-0.26	1.08	0.299	0.00	0.41	0.522	Uniform<
101	MC	3313	1623	-0.03	0.06	0.801	-0.33	1.18	0.278	0.01	1.16	0.282	
102	MC	925	390	-0.18	1.56	0.212	-0.84	3.30	0.069	0.01	2.26	0.133	
103	MC	925	390	-0.21	2.41	0.120	0.68	1.68	0.195	-0.01	3.13	0.077	
104	MC	925	390	-0.20	1.23	0.268	0.15	0.08	0.775	-0.01	0.53	0.468	
105	MC	925	390	0.04	0.11	0.741	-0.37	0.69	0.405	0.01	0.96	0.326	
106	MC	925	390	-0.46	7.71	0.005	1.73	5.38	0.020	-0.03	9.25	0.002	NonUniform
107	MC	925	390	0.02	0.02	0.892	0.69	1.68	0.196	-0.01	1.75	0.186	
108	MC	925	390	-0.05	0.06	0.802	-0.24	0.20	0.654	0.00	0.15	0.701	
109	MC	925	390	-0.63	3.42	0.064	-1.41	3.40	0.065	0.02	1.39	0.238	
110	MC	925	390	0.41	4.52	0.034	-1.15	4.60	0.032	0.03	9.68	0.002	NonUniform
111	MC	925	390	-0.33	4.34	0.037	0.74	1.46	0.226	-0.02	3.30	0.069	
112	MC	925	390	-0.17	0.77	0.381	0.31	0.23	0.631	-0.01	0.62	0.432	
113	MC	925	390	-0.06	0.21	0.645	1.15	5.29	0.021	-0.02	6.48	0.011	
114	MC	925	390	-0.28	4.54	0.033	2.01	15.36	0.000	-0.03	22.13	0.000	NonUniform
115	MC	925	390	-0.34	5.69	0.017	0.29	0.37	0.545	-0.01	1.89	0.169	
116	MC	925	390	-0.52	15.02	0.000	0.00	0.00	0.994	-0.01	1.31	0.253	Uniform<
117	MC	925	390	-0.01	0.00	0.964	-0.74	2.52	0.113	0.01	2.71	0.099	
118	MC	925	390	-0.06	0.14	0.706	0.05	0.01	0.923	0.00	0.05	0.832	
119	MC	925	390	0.07	0.23	0.628	-0.70	1.95	0.163	0.01	2.61	0.106	
120	MC	825	491	0.21	2.33	0.127	-0.90	4.42	0.036	0.02	7.36	0.007	NonUniform
121	MC	825	491	0.04	0.06	0.802	0.37	0.70	0.403	-0.01	0.64	0.425	
122	MC	825	491	-0.34	5.57	0.018	0.65	1.52	0.217	-0.01	3.88	0.049	
123	MC	825	491	-0.16	0.94	0.334	-0.90	4.04	0.044	0.01	3.19	0.074	
124	MC	825	491	-0.16	1.45	0.229	0.72	1.83	0.176	-0.01	2.98	0.084	
125	MC	825	491	-0.12	0.93	0.334	0.14	0.12	0.730	0.00	0.47	0.494	
126	MC	825	491	-0.06	0.19	0.665	0.05	0.01	0.937	0.00	0.04	0.846	
127	MC	825	491	-0.14	1.08	0.299	0.33	0.43	0.514	-0.01	0.93	0.334	
128	MC	825	491	-0.07	0.11	0.745	-0.35	0.48	0.488	0.01	0.38	0.537	
129	MC	825	491	-0.33	4.39	0.036	-1.03	4.50	0.034	0.01	2.33	0.127	
130	MC	825	491	-0.76	24.12	0.000	-0.21	0.16	0.688	-0.01	1.18	0.277	Uniform<
131	MC	825	491	-0.85	34.39	0.000	0.00	0.00	0.996	-0.01	2.15	0.143	Uniform<
132	MC	825	491	-0.43	11.56	0.001	-0.16	0.13	0.720	0.00	0.38	0.535	Uniform<
133	MC	825	491	-0.19	2.21	0.137	0.81	3.45	0.063	-0.02	5.83	0.016	
134	MC	825	491	0.18	0.99	0.319	0.80	2.33	0.127	-0.01	1.56	0.212	
135	MC	825	491	-0.76	28.61	0.000	1.27	6.30	0.012	-0.03	17.58	0.000	NonUniform
136	MC	825	491	-0.51	13.68	0.000	-0.03	0.01	0.943	-0.01	1.07	0.302	Uniform<
137	MC	825	491	-0.29	5.45	0.020	0.49	1.40	0.236	-0.01	3.87	0.049	
138	MC	784	350	-0.73	16.35	0.000	2.62	9.73	0.002	-0.04	17.54	0.000	NonUniform
139	MC	784	350	-0.41	6.58	0.010	-0.09	0.02	0.893	0.00	0.22	0.639	
140	MC	784	350	-0.01	0.00	0.946	0.05	0.01	0.932	0.00	0.01	0.915	
141	MC	784	350	-0.46	4.97	0.026	0.64	0.71	0.400	-0.02	2.24	0.135	
142	MC	784	350	-0.07	0.17	0.678	0.83	1.26	0.262	-0.01	1.56	0.212	
143	MC	784	350	-0.50	10.67	0.001	2.01	8.07	0.004	-0.03	13.72	0.000	NonUniform
144	MC	784	350	-0.13	0.42	0.518	2.18	6.88	0.009	-0.04	8.02	0.005	NonUniform
145	MC	784	350	0.10	0.16	0.687	0.70	0.65	0.421	-0.01	0.51	0.475	
146	MC	784	350	-0.46	3.60	0.058	-1.76	5.00	0.025	0.02	3.16	0.076	
147	MC	784	350	-0.04	0.04	0.845	-0.79	1.23	0.267	0.01	1.23	0.268	
148	MC	784	350	-0.08	0.17	0.684	-0.42	0.34	0.562	0.00	0.24	0.627	
149	MC	784	350	-0.04	0.05	0.820	-0.18	0.08	0.777	0.00	0.05	0.818	
150	MC	784	350	-1.01	43.66	0.000	2.07	9.78	0.002	-0.04	23.17	0.000	NonUniform
151	MC	784	350	-0.21	1.71	0.191	1.40	3.44	0.064	-0.02	4.85	0.028	
152	MC	784	350	0.21	1.13	0.287	1.02	1.97	0.161	-0.01	1.34	0.248	
153	MC	784	350	0.37	5.79	0.016	2.11	10.96	0.001	-0.02	8.09	0.004	NonUniform
154	MC	784	350	-0.41	7.11	0.008	2.17	10.62	0.001	-0.04	16.12	0.000	NonUniform
155	MC	784	350	-0.77	20.72	0.000	1.25	2.82	0.093	-0.03	7.72	0.005	NonUniform
156	MC	779	392	-0.22	2.51	0.113	-0.11	0.04	0.839	0.00	0.05	0.827	
157	MC	779	392	-0.63	19.97	0.000	0.74	1.80	0.180	-0.02	6.67	0.010	NonUniform
158	MC	779	392	-0.10	0.35	0.557	-1.36	6.37	0.012	0.02	6.18	0.013	
159	MC	779	392	0.20	1.36	0.244	-0.62	0.72	0.395	0.01	1.33	0.248	
160	MC	779	392	-0.20	1.11	0.292	0.95	1.79	0.180	-0.02	2.82	0.093	
161	MC	779	392	-0.61	11.97	0.001	0.53	0.78	0.377	-0.02	3.89	0.049	Uniform<
162	MC	779	392	-0.17	1.13	0.289	-0.49	0.98	0.322	0.01	0.48	0.488	
163	MC	779	392	-0.70	23.27	0.000	2.28	13.48	0.000	-0.04	25.37	0.000	NonUniform
164	MC	779	392	-0.25	1.79	0.181	-0.16	0.07	0.794	0.00	0.02	0.879	
165	MC	779	392	-0.33	3.98	0.046	1.82	6.30	0.012	-0.03	9.36	0.002	NonUniform
166	MC	779	392	-0.46	6.98	0.008	-0.37	0.35	0.552	0.00	0.02	0.885	Uniform<
167	MC	779	392	-0.99	43.52	0.000	0.47	0.52	0.470	-0.02	5.29	0.021	Uniform<
168	MC	779	392	0.05	0.14	0.709	0.11	0.05	0.819	0.00	0.02	0.899	
169	MC	779	392	-0.70	21.25	0.000	0.04	0.00	0.957	-0.01	1.22	0.269	Uniform<
170	MC	779	392	-0.14	0.71	0.399	-1.43	6.37	0.012	0.02	5.65	0.018	
171	MC	779	392	-0.13	0.48	0.488	0.20	0.11	0.745	-0.01	0.31	0.576	

**Table F.256: Logistic Regression DIF Results on Stage V Writing Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
172	MC	779	392	-0.32	3.09	0.079	-0.89	1.86	0.172	0.01	0.82	0.364	NonUniform
173	MC	779	392	-0.38	5.18	0.023	1.45	4.69	0.030	-0.02	8.17	0.004	
174	ER	3313	1623	0.16	6.03	0.014	0.83	13.86	0.000	-0.01	10.05	0.002	NonUniform Uniform>
175	ER	925	390	0.35	7.57	0.006	0.98	5.52	0.019	-0.01	2.55	0.110	
176	ER	925	390	0.17	1.76	0.184	0.74	3.16	0.075	-0.01	2.13	0.144	NonUniform
177	ER	825	491	0.21	3.29	0.070	0.84	5.66	0.017	-0.01	3.59	0.058	
178	ER	825	491	0.16	1.61	0.204	1.31	12.06	0.001	-0.02	10.66	0.001	NonUniform
179	ER	784	350	0.18	1.36	0.243	0.68	1.51	0.220	-0.01	0.89	0.345	
180	ER	784	350	-0.04	0.07	0.798	0.82	2.15	0.143	-0.01	2.58	0.108	NonUniform
181	ER	779	392	0.14	0.95	0.330	1.13	5.71	0.017	-0.01	4.90	0.027	
182	ER	779	392	0.15	1.18	0.277	1.55	9.45	0.002	-0.02	8.43	0.004	NonUniform

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.257: Logistic Regression DIF Results on Stage V Writing Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
100	MC	117	3313	0.23	0.69	0.406	-1.53	0.56	0.456	0.02	0.73	0.392	
101	MC	117	3313	-0.50	1.71	0.191	-2.95	1.29	0.256	0.03	0.88	0.348	
102	MC	30	925	0.17	0.14	0.704	-1.84	0.24	0.625	0.03	0.29	0.592	
103	MC	30	925	-0.72	2.88	0.090	-2.71	0.50	0.481	0.02	0.27	0.601	
104	MC	30	925	-0.08	0.02	0.886	4.34	0.84	0.360	-0.05	0.92	0.337	
105	MC	30	925	-0.41	1.08	0.298	-1.22	0.14	0.704	0.01	0.06	0.799	
106	MC	30	925	0.70	2.13	0.145	-1.90	0.20	0.653	0.03	0.38	0.538	
107	MC	30	925	1.52	2.18	0.140	2.47	0.11	0.745	-0.01	0.02	0.898	
108	MC	30	925	13.35	0.00	0.979	13.72	0.00	0.982	-0.05	0.00	0.994	
109	MC	30	925	11.96	0.00	0.980	12.51	0.00	0.983	-0.06	0.00	0.994	
110	MC	30	925	0.45	0.18	0.668	-1.67	0.06	0.801	0.03	0.10	0.751	
111	MC	30	925	1.19	4.62	0.032	-2.96	0.40	0.525	0.05	0.79	0.375	
112	MC	30	925	14.47	0.00	0.983	15.17	0.00	0.975	-0.07	0.00	0.990	
113	MC	30	925	0.19	0.22	0.641	1.00	0.10	0.755	-0.01	0.07	0.797	
114	MC	30	925	0.47	1.56	0.212	-2.16	0.44	0.508	0.03	0.66	0.418	
115	MC	30	925	0.51	1.30	0.254	-3.73	0.84	0.359	0.05	1.08	0.298	
116	MC	30	925	-0.29	0.58	0.445	-0.01	0.00	0.997	0.00	0.01	0.928	
117	MC	30	925	-0.03	0.00	0.945	4.65	1.73	0.188	-0.06	1.84	0.175	
118	MC	30	925	0.49	0.94	0.332	-0.67	0.03	0.869	0.02	0.08	0.773	
119	MC	30	925	-0.18	0.16	0.686	-3.21	0.59	0.441	0.04	0.53	0.467	
120	MC	34	825	0.29	0.31	0.578	-0.55	0.03	0.859	0.01	0.07	0.786	
121	MC	34	825	-0.42	0.76	0.382	-0.12	0.00	0.967	0.00	0.01	0.916	
122	MC	34	825	-0.04	0.01	0.927	4.10	2.15	0.143	-0.05	2.15	0.143	
123	MC	34	825	-0.03	0.00	0.964	4.54	1.15	0.283	-0.06	1.30	0.253	
124	MC	34	825	0.15	0.17	0.677	1.83	0.55	0.457	-0.02	0.47	0.492	
125	MC	34	825	-0.11	0.09	0.761	-0.88	0.12	0.728	0.01	0.09	0.759	
126	MC	34	825	-0.12	0.10	0.749	2.36	0.82	0.364	-0.03	0.92	0.338	
127	MC	34	825	-0.33	0.79	0.373	-1.45	0.26	0.613	0.01	0.16	0.692	
128	MC	34	825	0.15	0.02	0.887	3.46	0.29	0.591	-0.04	0.30	0.586	
129	MC	34	825	1.77	2.89	0.089	-94.15	0.12	0.729	1.75	0.12	0.725	
130	MC	34	825	0.31	0.44	0.506	-2.47	0.58	0.447	0.04	0.74	0.391	
131	MC	34	825	0.14	0.12	0.727	3.05	1.32	0.251	-0.04	1.20	0.274	
132	MC	34	825	0.55	2.17	0.140	0.74	0.09	0.767	0.00	0.01	0.939	
133	MC	34	825	-0.31	0.70	0.404	-0.55	0.05	0.827	0.00	0.01	0.922	
134	MC	34	825	-0.15	0.04	0.841	-16.20	1.54	0.214	0.25	1.37	0.241	
135	MC	34	825	-0.17	0.11	0.742	-8.22	2.19	0.139	0.10	2.27	0.132	
136	MC	34	825	-0.33	0.75	0.387	-2.94	0.93	0.336	0.03	0.75	0.387	
137	MC	34	825	0.08	0.05	0.826	-3.34	1.34	0.247	0.04	1.44	0.230	
138	MC	23	784	1.15	6.26	0.012	-13.81	4.73	0.030	0.19	5.64	0.018	
139	MC	23	784	0.03	0.00	0.946	-7.33	2.12	0.145	0.09	2.21	0.138	
140	MC	23	784	0.18	0.14	0.709	9.41	4.21	0.040	-0.12	4.32	0.038	
141	MC	23	784	0.69	0.82	0.366	-20.87	0.50	0.478	0.30	0.55	0.459	
142	MC	23	784	0.09	0.04	0.840	1.87	0.29	0.593	-0.02	0.26	0.609	
143	MC	23	784	-0.28	0.34	0.559	2.92	0.58	0.448	-0.04	0.69	0.406	
144	MC	23	784	1.35	1.70	0.192	-61.02	0.01	0.909	0.98	0.02	0.902	
145	MC	23	784	13.00	0.00	0.982	14.65	0.00	0.983	-0.07	0.00	0.993	
146	MC	23	784	0.02	0.00	0.977	7.11	1.20	0.274	-0.09	1.32	0.251	
147	MC	23	784	13.42	0.00	0.979	14.45	0.00	0.980	-0.07	0.00	0.993	
148	MC	23	784	-1.35	1.70	0.192	-23.80	1.15	0.284	0.26	1.16	0.282	
149	MC	23	784	0.81	1.63	0.202	1.58	0.11	0.746	-0.01	0.03	0.873	
150	MC	23	784	0.41	0.89	0.346	-3.30	0.70	0.401	0.05	0.90	0.343	
151	MC	23	784	-0.06	0.02	0.886	-7.72	1.71	0.191	0.10	1.67	0.196	
152	MC	23	784	1.15	1.23	0.268	0.41	0.00	0.954	0.01	0.01	0.918	
153	MC	23	784	-0.17	0.15	0.700	-3.77	0.83	0.362	0.05	0.76	0.383	
154	MC	23	784	1.09	4.47	0.035	-5.99	1.07	0.301	0.09	1.48	0.224	
155	MC	23	784	0.68	1.88	0.170	-3.01	0.38	0.539	0.05	0.56	0.453	
156	MC	30	779	-0.35	0.82	0.366	-0.41	0.01	0.917	0.00	0.00	0.988	
157	MC	30	779	-0.02	0.00	0.957	-3.03	0.56	0.455	0.04	0.56	0.455	
158	MC	30	779	-0.27	0.23	0.634	-1.33	0.06	0.809	0.01	0.04	0.847	
159	MC	30	779	0.13	0.10	0.749	-3.79	0.62	0.433	0.05	0.67	0.412	
160	MC	30	779	0.33	0.27	0.602	-13.01	1.74	0.187	0.18	1.73	0.189	
161	MC	30	779	1.30	3.04	0.081	-22.05	1.63	0.202	0.33	1.69	0.194	
162	MC	30	779	0.18	0.13	0.717	-8.62	2.15	0.142	0.12	2.16	0.141	
163	MC	30	779	0.16	0.13	0.717	-8.11	2.31	0.129	0.10	2.49	0.115	
164	MC	30	779	-0.08	0.02	0.884	-1.21	0.05	0.830	0.01	0.04	0.841	
165	MC	30	779	0.35	0.61	0.434	-3.84	0.63	0.428	0.05	0.74	0.389	
166	MC	30	779	0.52	0.89	0.347	1.37	0.06	0.802	-0.01	0.02	0.876	
167	MC	30	779	0.57	2.07	0.150	-2.71	0.41	0.522	0.04	0.61	0.436	
168	MC	30	779	-0.52	1.88	0.170	-4.82	1.40	0.237	0.05	1.13	0.288	
169	MC	30	779	-0.59	1.84	0.175	-8.20	1.89	0.169	0.09	1.68	0.195	
170	MC	30	779	-0.08	0.03	0.861	-17.76	3.93	0.048	0.24	3.73	0.053	
171	MC	30	779	-0.60	1.53	0.216	-4.93	0.90	0.342	0.06	0.69	0.406	

**Table F.257: Logistic Regression DIF Results on Stage V Writing Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
172	MC	30	779	0.11	0.04	0.843	0.82	0.02	0.882	-0.01	0.02	0.897	NonUniform
173	MC	30	779	0.01	0.00	0.987	-14.59	3.14	0.076	0.18	3.33	0.068	
174	ER	117	3313	0.25	1.56	0.211	5.45	11.24	0.001	-0.06	10.33	0.001	
175	ER	30	925	-0.72	3.67	0.055	4.24	1.89	0.169	-0.06	2.66	0.103	
176	ER	30	925	0.25	0.41	0.522	4.83	2.39	0.122	-0.06	2.18	0.140	
177	ER	34	825	0.85	5.49	0.019	4.84	4.11	0.043	-0.05	2.84	0.092	Uniform>
178	ER	34	825	1.03	7.24	0.007	5.46	4.32	0.038	-0.05	2.91	0.088	
179	ER	23	784	0.13	0.07	0.785	-1.40	0.14	0.705	0.02	0.17	0.679	
180	ER	23	784	-0.62	1.79	0.181	1.00	0.08	0.772	-0.02	0.23	0.635	
181	ER	30	779	0.11	0.06	0.803	-1.54	0.12	0.732	0.02	0.13	0.714	
182	ER	30	779	0.49	1.35	0.245	8.31	3.70	0.054	-0.10	3.27	0.070	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.258: Logistic Regression DIF Results on Stage V Writing Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
					$\chi^2$			$\chi^2$			$\chi^2$		
100	MC	3955	913	-0.26	7.00	0.008	0.35	1.13	0.287	-0.01	3.73	0.053	Uniform<
101	MC	3955	913	-0.40	6.50	0.011	-0.59	1.92	0.166	0.00	0.22	0.636	
102	MC	1076	220	-0.16	0.85	0.355	-0.57	1.02	0.313	0.01	0.59	0.443	
103	MC	1076	220	0.22	1.88	0.170	0.14	0.05	0.822	0.00	0.02	0.898	Uniform<
104	MC	1076	220	-0.20	0.79	0.374	0.57	0.76	0.385	-0.01	1.49	0.222	
105	MC	1076	220	-0.45	6.96	0.008	-0.23	0.18	0.675	0.00	0.17	0.677	
106	MC	1076	220	0.06	0.10	0.753	1.88	3.61	0.057	-0.03	3.54	0.060	Uniform<
107	MC	1076	220	0.17	0.71	0.398	0.29	0.19	0.664	0.00	0.04	0.851	
108	MC	1076	220	-0.04	0.03	0.855	-0.72	1.18	0.278	0.01	1.21	0.271	
109	MC	1076	220	-0.77	2.98	0.084	-0.78	0.50	0.479	0.00	0.00	0.994	Uniform<
110	MC	1076	220	-0.05	0.05	0.829	-1.21	3.26	0.071	0.02	3.55	0.059	
111	MC	1076	220	-0.07	0.18	0.674	0.99	1.51	0.219	-0.02	1.85	0.174	
112	MC	1076	220	0.02	0.01	0.926	-0.88	1.45	0.229	0.01	1.66	0.197	Uniform<
113	MC	1076	220	0.18	1.30	0.254	1.04	2.68	0.102	-0.01	1.96	0.162	
114	MC	1076	220	-0.26	2.81	0.094	0.56	0.92	0.338	-0.01	2.11	0.146	
115	MC	1076	220	-0.09	0.29	0.587	1.05	2.61	0.106	-0.02	3.30	0.069	Uniform<
116	MC	1076	220	-0.25	2.46	0.117	-0.46	0.66	0.417	0.00	0.15	0.696	
117	MC	1076	220	-0.38	4.82	0.028	-0.48	0.70	0.401	0.00	0.03	0.853	
118	MC	1076	220	-0.28	2.27	0.132	-0.28	0.16	0.685	0.00	0.00	0.997	Uniform<
119	MC	1076	220	0.00	0.00	0.999	-0.43	0.48	0.487	0.01	0.53	0.467	
120	MC	1127	158	0.05	0.05	0.823	-0.15	0.04	0.834	0.00	0.09	0.770	
121	MC	1127	158	-0.02	0.00	0.947	-0.25	0.11	0.735	0.00	0.11	0.736	Uniform<
122	MC	1127	158	-0.94	25.81	0.000	-0.79	1.34	0.246	0.00	0.05	0.821	
123	MC	1127	158	-0.12	0.18	0.671	-0.67	0.82	0.365	0.01	0.66	0.416	
124	MC	1127	158	-0.15	0.59	0.442	0.03	0.00	0.968	0.00	0.05	0.815	Uniform<
125	MC	1127	158	0.13	0.48	0.488	-0.56	0.85	0.356	0.01	1.42	0.233	
126	MC	1127	158	-0.22	1.31	0.252	1.63	2.73	0.098	-0.02	3.77	0.052	
127	MC	1127	158	-0.18	0.92	0.337	-0.27	0.13	0.714	0.00	0.01	0.905	Uniform>
128	MC	1127	158	-0.55	1.80	0.179	-0.81	0.71	0.400	0.01	0.09	0.762	
129	MC	1127	158	0.65	7.67	0.006	2.43	5.01	0.025	-0.03	2.83	0.093	
130	MC	1127	158	0.27	1.47	0.225	1.26	1.58	0.208	-0.01	1.02	0.312	Uniform>
131	MC	1127	158	-0.48	5.64	0.018	2.00	3.21	0.073	-0.03	5.20	0.023	
132	MC	1127	158	-0.26	1.96	0.161	1.10	1.89	0.170	-0.02	3.12	0.077	
133	MC	1127	158	-0.26	1.66	0.198	1.19	2.26	0.133	-0.02	3.59	0.058	Uniform>
134	MC	1127	158	0.84	8.60	0.003	1.12	1.42	0.233	0.00	0.10	0.750	
135	MC	1127	158	-0.56	8.76	0.003	1.49	2.91	0.088	-0.03	6.03	0.014	
136	MC	1127	158	-0.44	4.11	0.043	1.38	2.11	0.147	-0.03	3.85	0.050	Uniform<
137	MC	1127	158	-0.24	1.67	0.196	0.85	1.44	0.231	-0.01	2.55	0.110	
138	MC	927	201	-0.20	1.12	0.290	2.06	4.09	0.043	-0.03	5.33	0.021	
139	MC	927	201	-0.33	3.61	0.058	-0.84	1.37	0.242	0.01	0.53	0.465	Uniform<
140	MC	927	201	-0.36	3.70	0.054	-0.49	0.52	0.473	0.00	0.04	0.843	
141	MC	927	201	-0.72	8.00	0.005	-0.77	0.81	0.369	0.00	0.01	0.942	
142	MC	927	201	-0.16	0.79	0.373	1.25	2.24	0.135	-0.02	3.00	0.083	NonUniform
143	MC	927	201	-0.27	2.50	0.114	1.92	5.26	0.022	-0.03	7.30	0.007	
144	MC	927	201	-0.02	0.00	0.944	1.11	1.41	0.234	-0.02	1.53	0.216	
145	MC	927	201	0.02	0.00	0.952	0.52	0.25	0.614	-0.01	0.26	0.614	NonUniform
146	MC	927	201	-0.19	0.53	0.467	-0.88	1.10	0.294	0.01	0.76	0.382	
147	MC	927	201	-0.23	0.83	0.361	-0.05	0.00	0.955	0.00	0.05	0.832	
148	MC	927	201	-0.11	0.24	0.626	0.14	0.03	0.859	0.00	0.11	0.745	NonUniform
149	MC	927	201	-0.20	1.09	0.296	-0.11	0.02	0.881	0.00	0.02	0.893	
150	MC	927	201	-0.41	5.50	0.019	1.37	3.03	0.082	-0.02	5.37	0.021	
151	MC	927	201	0.22	1.36	0.244	0.90	1.10	0.295	-0.01	0.67	0.414	Uniform<
152	MC	927	201	0.01	0.00	0.967	0.39	0.21	0.648	-0.01	0.21	0.644	
153	MC	927	201	-0.06	0.14	0.713	0.59	0.80	0.370	-0.01	1.05	0.305	
154	MC	927	201	-0.49	7.40	0.007	0.92	1.50	0.220	-0.02	3.69	0.055	Uniform<
155	MC	927	201	-0.43	5.02	0.025	-0.46	0.34	0.561	0.00	0.00	0.966	
156	MC	825	334	-0.02	0.03	0.863	-0.75	2.10	0.147	0.01	2.11	0.146	
157	MC	825	334	-0.49	11.91	0.001	-0.12	0.05	0.827	-0.01	0.48	0.488	Uniform<
158	MC	825	334	0.07	0.17	0.684	-0.43	0.62	0.429	0.01	0.95	0.329	
159	MC	825	334	-0.27	2.75	0.097	-1.49	5.53	0.019	0.02	3.94	0.047	
160	MC	825	334	0.21	1.45	0.229	0.23	0.11	0.743	0.00	0.00	0.975	Uniform<
161	MC	825	334	-0.20	1.41	0.235	-0.30	0.26	0.610	0.00	0.04	0.851	
162	MC	825	334	0.26	2.85	0.092	0.14	0.08	0.777	0.00	0.06	0.810	
163	MC	825	334	-0.19	1.65	0.199	0.07	0.02	0.900	0.00	0.21	0.648	Uniform<
164	MC	825	334	0.12	0.45	0.504	0.23	0.13	0.716	0.00	0.04	0.850	
165	MC	825	334	0.26	2.82	0.093	0.65	0.87	0.350	-0.01	0.33	0.568	
166	MC	825	334	-0.19	1.33	0.248	-0.31	0.24	0.623	0.00	0.04	0.840	Uniform<
167	MC	825	334	-0.36	5.56	0.018	-0.02	0.00	0.981	0.00	0.26	0.607	
168	MC	825	334	-0.19	1.91	0.167	-0.16	0.12	0.732	0.00	0.00	0.946	
169	MC	825	334	-0.40	6.79	0.009	0.64	0.78	0.377	-0.01	2.15	0.143	Uniform<
170	MC	825	334	-0.34	4.47	0.035	-0.11	0.04	0.850	0.00	0.15	0.697	
171	MC	825	334	-0.10	0.32	0.571	0.42	0.44	0.509	-0.01	0.72	0.397	

**Table F.258: Logistic Regression DIF Results on Stage V Writing Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
172	MC	825	334	-0.46	6.67	0.010	-1.45	4.87	0.027	0.02	2.47	0.116	Uniform<
173	MC	825	334	-0.36	5.07	0.024	1.10	2.92	0.087	-0.02	5.61	0.018	
174	ER	3955	913	0.15	4.09	0.043	0.81	9.48	0.002	-0.01	6.92	0.009	NonUniform
175	ER	1076	220	-0.14	0.88	0.348	0.74	2.23	0.135	-0.01	3.49	0.062	
176	ER	1076	220	0.22	2.13	0.144	0.89	3.16	0.075	-0.01	2.05	0.152	
177	ER	1127	158	-0.12	0.46	0.495	0.22	0.16	0.690	0.00	0.42	0.516	
178	ER	1127	158	-0.03	0.02	0.886	-0.01	0.00	0.980	0.00	0.00	0.983	
179	ER	927	201	0.10	0.36	0.550	0.46	0.59	0.441	0.00	0.40	0.527	
180	ER	927	201	0.00	0.00	0.981	1.31	4.60	0.032	-0.02	5.04	0.025	
181	ER	825	334	0.01	0.01	0.930	-0.23	0.28	0.599	0.00	0.35	0.556	
182	ER	825	334	0.10	0.60	0.439	0.15	0.10	0.753	0.00	0.01	0.925	

Note: MC= Multiple-choice Item, ER= Extended Response Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.259: Logistic Regression DIF Results on Stage V Listening Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUUni}$	Wald	p-value	$\beta_2^{NUUni}$	Wald	p-value	
183	MC	1477	1835	0.26	1.62	0.203	0.37	0.39	0.531	0.00	0.04	0.844	
184	MC	1477	1835	-0.04	0.29	0.590	-0.91	5.71	0.017	0.01	5.44	0.020	
185	MC	398	527	0.11	0.37	0.545	0.53	0.58	0.446	-0.01	0.39	0.530	
186	MC	398	527	-0.24	2.82	0.093	-0.78	1.39	0.239	0.01	0.70	0.402	
187	MC	398	527	-0.23	2.28	0.131	0.82	1.44	0.230	-0.02	2.47	0.116	
188	MC	398	527	-0.16	1.38	0.240	-0.19	0.09	0.762	0.00	0.00	0.961	
189	MC	398	527	0.05	0.14	0.711	-0.63	0.77	0.381	0.01	0.94	0.332	
190	MC	398	527	0.16	1.20	0.273	0.25	0.16	0.685	0.00	0.03	0.872	
191	MC	398	527	-0.28	3.05	0.081	-0.22	0.09	0.761	0.00	0.01	0.932	
192	MC	398	527	-0.68	21.79	0.000	-0.51	0.50	0.481	0.00	0.05	0.818	Uniform<
193	MC	398	527	-0.44	9.71	0.002	1.00	2.33	0.127	-0.02	5.03	0.025	Uniform<
194	MC	398	527	-0.31	4.72	0.030	-0.25	0.15	0.698	0.00	0.01	0.920	
195	MC	398	527	0.00	0.00	0.996	0.42	0.48	0.488	-0.01	0.51	0.477	
196	MC	367	458	0.16	0.76	0.383	0.44	0.49	0.482	0.00	0.22	0.639	
197	MC	367	458	-0.05	0.12	0.733	-0.31	0.28	0.594	0.00	0.21	0.644	
198	MC	367	458	-0.05	0.09	0.762	0.16	0.07	0.798	0.00	0.12	0.728	
199	MC	367	458	0.00	0.00	1.000	-0.27	0.12	0.730	0.01	0.13	0.713	
200	MC	367	458	-0.11	0.51	0.475	-0.67	1.03	0.310	0.01	0.76	0.383	
201	MC	367	458	-0.04	0.06	0.804	-0.10	0.03	0.874	0.00	0.01	0.921	
202	MC	367	458	-0.08	0.22	0.636	0.60	0.95	0.329	-0.01	1.31	0.252	
203	MC	367	458	-0.19	1.23	0.267	-0.59	0.84	0.360	0.01	0.42	0.518	
204	MC	367	458	0.23	1.44	0.231	0.71	1.10	0.295	-0.01	0.54	0.462	
205	MC	367	458	-0.11	0.53	0.465	0.69	1.19	0.275	-0.01	1.72	0.190	
206	MC	367	458	0.10	0.40	0.529	0.56	0.68	0.408	-0.01	0.50	0.482	
207	MC	377	407	0.05	0.10	0.747	0.47	0.36	0.547	-0.01	0.30	0.583	
208	MC	377	407	0.18	1.10	0.294	0.61	0.69	0.406	-0.01	0.36	0.546	
209	MC	377	407	0.09	0.26	0.607	-0.45	0.39	0.531	0.01	0.59	0.443	
210	MC	377	407	0.29	1.47	0.225	1.76	3.73	0.054	-0.03	2.82	0.093	
211	MC	377	407	-0.34	4.95	0.026	-1.72	5.02	0.025	0.02	3.40	0.065	
212	MC	377	407	-0.59	11.84	0.001	-0.93	1.59	0.207	0.01	0.23	0.632	Uniform<
213	MC	377	407	-0.05	0.14	0.712	-0.03	0.00	0.959	0.00	0.00	0.977	
214	MC	377	407	-0.18	1.30	0.254	-1.02	1.71	0.190	0.01	1.22	0.269	
215	MC	377	407	-0.33	4.69	0.030	-0.90	1.52	0.217	0.01	0.64	0.425	
216	MC	377	407	0.32	3.02	0.082	0.50	0.42	0.519	0.00	0.06	0.811	
217	MC	377	407	0.04	0.06	0.808	-0.68	0.93	0.336	0.01	1.07	0.300	
218	MC	335	443	0.08	0.04	0.841	-1.61	1.48	0.224	0.04	1.74	0.187	
219	MC	335	443	-0.43	7.02	0.008	-0.25	0.13	0.714	0.00	0.07	0.794	Uniform<
220	MC	335	443	-0.15	0.98	0.323	1.07	2.32	0.128	-0.02	3.15	0.076	
221	MC	335	443	0.40	2.37	0.124	2.57	7.13	0.008	-0.04	5.55	0.019	
222	MC	335	443	-0.16	1.02	0.311	-0.09	0.01	0.912	0.00	0.01	0.931	
223	MC	335	443	-0.05	0.06	0.810	0.78	0.95	0.329	-0.01	1.16	0.281	
224	MC	335	443	-0.27	2.83	0.093	-0.99	1.81	0.179	0.01	1.01	0.315	
225	MC	335	443	0.02	0.01	0.922	1.20	2.55	0.110	-0.02	2.67	0.102	
226	MC	335	443	-0.08	0.16	0.692	0.50	0.35	0.552	-0.01	0.51	0.476	
227	MC	335	443	-0.09	0.32	0.571	-0.84	1.38	0.240	0.01	1.17	0.280	
228	MC	335	443	0.23	2.34	0.126	-0.36	0.30	0.584	0.01	0.84	0.359	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.260: Logistic Regression DIF Results on Stage V Listening Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
183	MC	2028	1285	-0.05	0.06	0.801	0.15	0.07	0.792	0.00	0.14	0.707	Uniform>
184	MC	2028	1285	0.06	0.58	0.446	-0.80	4.62	0.032	0.01	5.59	0.018	
185	MC	535	390	0.12	0.47	0.493	1.07	2.36	0.125	-0.02	1.97	0.160	
186	MC	535	390	0.45	9.86	0.002	1.56	5.53	0.019	-0.02	2.97	0.085	
187	MC	535	390	-0.13	0.78	0.378	-0.76	1.23	0.267	0.01	0.88	0.348	
188	MC	535	390	0.01	0.00	0.961	-0.97	2.36	0.124	0.01	2.52	0.112	
189	MC	535	390	-0.02	0.02	0.882	0.49	0.47	0.493	-0.01	0.53	0.465	
190	MC	535	390	0.08	0.30	0.587	-0.76	1.50	0.220	0.01	1.93	0.165	
191	MC	535	390	0.10	0.40	0.528	-1.34	3.52	0.061	0.02	4.29	0.038	
192	MC	535	390	0.17	1.50	0.221	0.22	0.10	0.757	0.00	0.00	0.951	
193	MC	535	390	0.26	3.43	0.064	0.05	0.01	0.932	0.00	0.10	0.747	Uniform<
194	MC	535	390	-0.22	2.18	0.140	-0.18	0.08	0.778	0.00	0.00	0.955	
195	MC	535	390	0.21	2.40	0.121	-0.02	0.00	0.973	0.00	0.16	0.691	
196	MC	525	300	-0.10	0.29	0.590	-0.14	0.05	0.821	0.00	0.00	0.948	
197	MC	525	300	-0.01	0.00	0.965	-0.32	0.31	0.577	0.01	0.32	0.572	
198	MC	525	300	-0.13	0.60	0.437	-0.12	0.04	0.849	0.00	0.00	0.980	
199	MC	525	300	-0.20	0.49	0.486	0.52	0.41	0.520	-0.02	0.90	0.344	
200	MC	525	300	0.19	1.42	0.233	1.33	3.79	0.051	-0.02	2.95	0.086	
201	MC	525	300	-0.47	8.02	0.005	0.03	0.00	0.965	-0.01	0.71	0.401	
202	MC	525	300	0.13	0.57	0.451	-0.98	2.58	0.108	0.02	3.58	0.058	
203	MC	525	300	-0.29	2.59	0.108	0.18	0.07	0.789	-0.01	0.55	0.459	NonUniform
204	MC	525	300	0.45	5.33	0.021	1.90	7.33	0.007	-0.03	4.64	0.031	
205	MC	525	300	-0.24	2.07	0.151	-0.26	0.17	0.676	0.00	0.00	0.964	
206	MC	525	300	-0.25	2.34	0.126	-1.23	3.29	0.070	0.02	2.23	0.135	
207	MC	467	317	0.02	0.02	0.883	-0.57	0.55	0.460	0.01	0.62	0.431	
208	MC	467	317	0.04	0.04	0.840	-0.51	0.47	0.492	0.01	0.57	0.449	
209	MC	467	317	0.06	0.14	0.711	-0.83	1.34	0.246	0.01	1.65	0.199	
210	MC	467	317	-0.51	4.25	0.039	0.45	0.24	0.627	-0.02	1.15	0.284	
211	MC	467	317	0.24	2.35	0.125	0.75	0.98	0.323	-0.01	0.47	0.491	
212	MC	467	317	0.07	0.15	0.701	-0.79	1.18	0.277	0.01	1.47	0.225	
213	MC	467	317	-0.28	3.51	0.061	0.36	0.28	0.599	-0.01	0.92	0.336	NonUniform
214	MC	467	317	-0.08	0.26	0.609	0.43	0.30	0.583	-0.01	0.45	0.504	
215	MC	467	317	0.12	0.57	0.452	-0.07	0.01	0.922	0.00	0.07	0.787	
216	MC	467	317	-0.42	4.63	0.031	-0.77	0.96	0.327	0.01	0.21	0.645	
217	MC	467	317	-0.15	0.99	0.320	-1.40	3.88	0.049	0.02	3.24	0.072	
218	MC	501	278	0.27	0.48	0.490	1.01	0.73	0.392	-0.02	0.44	0.509	
219	MC	501	278	0.05	0.11	0.746	0.60	0.79	0.373	-0.01	0.70	0.402	
220	MC	501	278	0.10	0.38	0.540	-0.04	0.00	0.953	0.00	0.04	0.840	
221	MC	501	278	0.23	0.84	0.360	0.33	0.13	0.723	0.00	0.01	0.909	
222	MC	501	278	-0.13	0.60	0.439	0.22	0.07	0.791	-0.01	0.18	0.670	
223	MC	501	278	0.00	0.00	0.991	0.95	1.43	0.232	-0.02	1.54	0.215	NonUniform
224	MC	501	278	-0.04	0.07	0.796	-0.32	0.22	0.642	0.00	0.17	0.677	
225	MC	501	278	-0.34	2.93	0.087	1.60	4.69	0.030	-0.03	7.33	0.007	
226	MC	501	278	-0.62	7.99	0.005	0.45	0.27	0.607	-0.02	1.62	0.203	
227	MC	501	278	-0.15	0.97	0.324	-0.22	0.11	0.744	0.00	0.01	0.917	
228	MC	501	278	-0.20	1.79	0.181	-0.47	0.55	0.459	0.00	0.19	0.665	Uniform<

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.261: Logistic Regression DIF Results on Stage V Listening Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
183	MC	157	3156	-0.57	1.63	0.202	-2.13	1.36	0.244	0.03	0.73	0.394	
184	MC	157	3156	-0.03	0.02	0.883	-1.18	1.17	0.279	0.02	1.16	0.281	
185	MC	38	887	0.45	0.67	0.414	-3.20	1.35	0.245	0.06	1.71	0.191	
186	MC	38	887	-0.02	0.00	0.959	-0.67	0.10	0.746	0.01	0.10	0.749	
187	MC	38	887	0.56	1.70	0.192	0.95	0.20	0.651	-0.01	0.04	0.850	
188	MC	38	887	-0.16	0.20	0.652	4.18	4.79	0.029	-0.06	5.39	0.020	
189	MC	38	887	-0.52	2.14	0.143	-1.53	0.37	0.542	0.01	0.17	0.682	
190	MC	38	887	0.18	0.24	0.622	1.79	0.89	0.347	-0.02	0.75	0.386	
191	MC	38	887	-0.43	1.22	0.270	1.73	0.79	0.375	-0.03	1.28	0.258	
192	MC	38	887	0.50	2.00	0.157	2.40	1.66	0.198	-0.03	1.08	0.299	
193	MC	38	887	0.60	2.83	0.093	1.78	0.90	0.344	-0.02	0.41	0.522	
194	MC	38	887	0.41	1.12	0.290	0.06	0.00	0.975	0.01	0.03	0.861	
195	MC	38	887	-0.53	2.43	0.119	4.12	4.55	0.033	-0.07	5.95	0.015	
196	MC	39	786	-0.35	0.69	0.405	-2.45	1.19	0.275	0.03	0.88	0.347	
197	MC	39	786	-0.34	1.04	0.307	-2.25	1.22	0.270	0.03	0.91	0.340	
198	MC	39	786	0.24	0.32	0.573	1.10	0.28	0.594	-0.01	0.19	0.667	
199	MC	39	786	-0.08	0.01	0.919	-2.61	0.54	0.461	0.04	0.49	0.483	
200	MC	39	786	-0.28	0.60	0.440	-1.25	0.36	0.550	0.01	0.22	0.636	
201	MC	39	786	-0.17	0.23	0.632	-2.15	1.01	0.316	0.03	0.87	0.351	
202	MC	39	786	0.30	0.47	0.493	-3.54	1.73	0.188	0.06	2.01	0.156	
203	MC	39	786	-0.48	1.51	0.219	-1.02	0.24	0.625	0.01	0.07	0.792	
204	MC	39	786	0.07	0.02	0.890	-2.60	0.85	0.358	0.04	0.89	0.347	
205	MC	39	786	-1.03	8.59	0.003	-1.63	0.60	0.438	0.01	0.08	0.771	Uniform<
206	MC	39	786	0.13	0.14	0.710	2.48	1.91	0.167	-0.03	1.75	0.185	
207	MC	42	742	1.06	6.75	0.009	-0.20	0.01	0.922	0.02	0.40	0.528	Uniform>
208	MC	42	742	-0.27	0.54	0.461	0.42	0.06	0.807	-0.01	0.17	0.682	
209	MC	42	742	0.40	1.00	0.317	3.02	2.61	0.106	-0.04	2.17	0.141	
210	MC	42	742	0.17	0.10	0.749	0.88	0.17	0.680	-0.01	0.12	0.731	
211	MC	42	742	0.47	2.07	0.150	0.17	0.01	0.920	0.00	0.03	0.864	
212	MC	42	742	1.21	5.86	0.015	2.53	1.42	0.233	-0.02	0.43	0.513	
213	MC	42	742	0.40	1.52	0.218	2.32	2.13	0.145	-0.03	1.53	0.216	
214	MC	42	742	-0.51	1.87	0.171	-0.11	0.00	0.956	-0.01	0.04	0.844	
215	MC	42	742	0.34	1.08	0.299	2.89	3.21	0.073	-0.04	2.57	0.109	
216	MC	42	742	-0.66	3.30	0.069	-4.45	2.89	0.089	0.06	2.14	0.144	
217	MC	42	742	-0.15	0.20	0.652	-1.02	0.30	0.585	0.01	0.23	0.633	
218	MC	38	741	12.38	0.00	0.975	13.87	0.00	0.973	-0.09	0.00	0.989	
219	MC	38	741	-0.04	0.02	0.901	1.32	0.49	0.484	-0.02	0.55	0.460	
220	MC	38	741	0.13	0.14	0.708	-2.21	0.96	0.328	0.04	1.10	0.293	
221	MC	38	741	0.71	1.19	0.275	2.03	0.48	0.491	-0.03	0.22	0.639	
222	MC	38	741	0.15	0.19	0.667	-1.61	0.42	0.514	0.03	0.52	0.470	
223	MC	38	741	0.49	0.95	0.329	4.49	2.72	0.099	-0.07	2.45	0.117	
224	MC	38	741	-0.38	1.21	0.271	-1.46	0.46	0.499	0.02	0.26	0.612	
225	MC	38	741	0.59	1.43	0.232	11.02	6.53	0.011	-0.16	6.82	0.009	NonUniform
226	MC	38	741	1.03	3.37	0.066	-3.42	1.02	0.313	0.09	1.67	0.196	
227	MC	38	741	0.02	0.00	0.955	-3.38	1.89	0.169	0.05	2.00	0.158	
228	MC	38	741	-0.36	0.99	0.320	-2.80	1.50	0.220	0.04	1.20	0.272	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.262: Logistic Regression DIF Results on Stage V Listening Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
183	MC	157	3156	-0.57	1.63	0.202	-2.13	1.36	0.244	0.03	0.73	0.394	
184	MC	157	3156	-0.03	0.02	0.883	-1.18	1.17	0.279	0.02	1.16	0.281	
185	MC	38	887	0.45	0.67	0.414	-3.20	1.35	0.245	0.06	1.71	0.191	
186	MC	38	887	-0.02	0.00	0.959	-0.67	0.10	0.746	0.01	0.10	0.749	
187	MC	38	887	0.56	1.70	0.192	0.95	0.20	0.651	-0.01	0.04	0.850	
188	MC	38	887	-0.16	0.20	0.652	4.18	4.79	0.029	-0.06	5.39	0.020	
189	MC	38	887	-0.52	2.14	0.143	-1.53	0.37	0.542	0.01	0.17	0.682	
190	MC	38	887	0.18	0.24	0.622	1.79	0.89	0.347	-0.02	0.75	0.386	
191	MC	38	887	-0.43	1.22	0.270	1.73	0.79	0.375	-0.03	1.28	0.258	
192	MC	38	887	0.50	2.00	0.157	2.40	1.66	0.198	-0.03	1.08	0.299	
193	MC	38	887	0.60	2.83	0.093	1.78	0.90	0.344	-0.02	0.41	0.522	
194	MC	38	887	0.41	1.12	0.290	0.06	0.00	0.975	0.01	0.03	0.861	
195	MC	38	887	-0.53	2.43	0.119	4.12	4.55	0.033	-0.07	5.95	0.015	
196	MC	39	786	-0.35	0.69	0.405	-2.45	1.19	0.275	0.03	0.88	0.347	
197	MC	39	786	-0.34	1.04	0.307	-2.25	1.22	0.270	0.03	0.91	0.340	
198	MC	39	786	0.24	0.32	0.573	1.10	0.28	0.594	-0.01	0.19	0.667	
199	MC	39	786	-0.08	0.01	0.919	-2.61	0.54	0.461	0.04	0.49	0.483	
200	MC	39	786	-0.28	0.60	0.440	-1.25	0.36	0.550	0.01	0.22	0.636	
201	MC	39	786	-0.17	0.23	0.632	-2.15	1.01	0.316	0.03	0.87	0.351	
202	MC	39	786	0.30	0.47	0.493	-3.54	1.73	0.188	0.06	2.01	0.156	
203	MC	39	786	-0.48	1.51	0.219	-1.02	0.24	0.625	0.01	0.07	0.792	
204	MC	39	786	0.07	0.02	0.890	-2.60	0.85	0.358	0.04	0.89	0.347	
205	MC	39	786	-1.03	8.59	0.003	-1.63	0.60	0.438	0.01	0.08	0.771	Uniform<
206	MC	39	786	0.13	0.14	0.710	2.48	1.91	0.167	-0.03	1.75	0.185	
207	MC	42	742	1.06	6.75	0.009	-0.20	0.01	0.922	0.02	0.40	0.528	Uniform>
208	MC	42	742	-0.27	0.54	0.461	0.42	0.06	0.807	-0.01	0.17	0.682	
209	MC	42	742	0.40	1.00	0.317	3.02	2.61	0.106	-0.04	2.17	0.141	
210	MC	42	742	0.17	0.10	0.749	0.88	0.17	0.680	-0.01	0.12	0.731	
211	MC	42	742	0.47	2.07	0.150	0.17	0.01	0.920	0.00	0.03	0.864	
212	MC	42	742	1.21	5.86	0.015	2.53	1.42	0.233	-0.02	0.43	0.513	
213	MC	42	742	0.40	1.52	0.218	2.32	2.13	0.145	-0.03	1.53	0.216	
214	MC	42	742	-0.51	1.87	0.171	-0.11	0.00	0.956	-0.01	0.04	0.844	
215	MC	42	742	0.34	1.08	0.299	2.89	3.21	0.073	-0.04	2.57	0.109	
216	MC	42	742	-0.66	3.30	0.069	-4.45	2.89	0.089	0.06	2.14	0.144	
217	MC	42	742	-0.15	0.20	0.652	-1.02	0.30	0.585	0.01	0.23	0.633	
218	MC	38	741	12.38	0.00	0.975	13.87	0.00	0.973	-0.09	0.00	0.989	
219	MC	38	741	-0.04	0.02	0.901	1.32	0.49	0.484	-0.02	0.55	0.460	
220	MC	38	741	0.13	0.14	0.708	-2.21	0.96	0.328	0.04	1.10	0.293	
221	MC	38	741	0.71	1.19	0.275	2.03	0.48	0.491	-0.03	0.22	0.639	
222	MC	38	741	0.15	0.19	0.667	-1.61	0.42	0.514	0.03	0.52	0.470	
223	MC	38	741	0.49	0.95	0.329	4.49	2.72	0.099	-0.07	2.45	0.117	
224	MC	38	741	-0.38	1.21	0.271	-1.46	0.46	0.499	0.02	0.26	0.612	
225	MC	38	741	0.59	1.43	0.232	11.02	6.53	0.011	-0.16	6.82	0.009	NonUniform
226	MC	38	741	1.03	3.37	0.066	-3.42	1.02	0.313	0.09	1.67	0.196	
227	MC	38	741	0.02	0.00	0.955	-3.38	1.89	0.169	0.05	2.00	0.158	
228	MC	38	741	-0.36	0.99	0.320	-2.80	1.50	0.220	0.04	1.20	0.272	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.263: Logistic Regression DIF Results on Stage V Listening Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
183	MC	566	2747	-1.06	20.72	0.000	-1.92	4.95	0.026	0.02	1.05	0.306	Uniform<
184	MC	566	2747	-0.31	8.97	0.003	-0.18	0.09	0.761	0.00	0.06	0.808	Uniform<
185	MC	163	762	-0.26	1.40	0.236	-2.19	4.12	0.042	0.03	3.28	0.070	
186	MC	163	762	0.49	6.71	0.010	0.29	0.09	0.761	0.00	0.05	0.830	Uniform>
187	MC	163	762	-0.08	0.17	0.680	-0.30	0.09	0.760	0.00	0.05	0.818	
188	MC	163	762	0.14	0.61	0.436	1.12	1.58	0.209	-0.01	1.26	0.262	
189	MC	163	762	0.25	1.84	0.175	-0.62	0.35	0.552	0.01	0.72	0.398	
190	MC	163	762	-0.37	4.15	0.042	-0.69	0.54	0.464	0.00	0.12	0.728	
191	MC	163	762	-0.11	0.32	0.572	0.27	0.07	0.792	-0.01	0.15	0.700	
192	MC	163	762	0.64	12.21	0.000	1.44	2.37	0.124	-0.01	0.76	0.384	Uniform>
193	MC	163	762	0.45	6.10	0.014	0.62	0.45	0.500	0.00	0.04	0.847	
194	MC	163	762	0.68	11.81	0.001	0.12	0.02	0.902	0.01	0.35	0.554	Uniform>
195	MC	163	762	-0.30	2.89	0.089	-0.11	0.01	0.907	0.00	0.05	0.825	
196	MC	100	725	-0.55	4.84	0.028	0.16	0.02	0.886	-0.01	0.43	0.513	
197	MC	100	725	-0.17	0.60	0.440	-1.53	1.80	0.179	0.02	1.50	0.221	
198	MC	100	725	0.21	0.72	0.398	0.61	0.29	0.593	-0.01	0.13	0.719	
199	MC	100	725	1.00	2.67	0.102	10.52	5.37	0.020	-0.15	5.85	0.016	
200	MC	100	725	0.07	0.08	0.774	1.72	2.56	0.109	-0.03	2.50	0.114	
201	MC	100	725	0.20	0.70	0.403	0.17	0.02	0.879	0.00	0.00	0.980	
202	MC	100	725	1.15	13.08	0.000	0.07	0.00	0.958	0.02	0.58	0.447	Uniform>
203	MC	100	725	0.60	4.60	0.032	1.87	2.27	0.132	-0.02	1.13	0.289	
204	MC	100	725	0.00	0.00	0.999	0.26	0.04	0.839	0.00	0.04	0.834	
205	MC	100	725	0.33	1.93	0.165	-1.09	0.79	0.374	0.02	1.39	0.239	
206	MC	100	725	0.01	0.00	0.977	-0.67	0.29	0.593	0.01	0.30	0.581	
207	MC	154	630	0.11	0.31	0.576	0.36	0.12	0.724	0.00	0.06	0.803	
208	MC	154	630	-0.04	0.04	0.833	1.09	1.31	0.253	-0.02	1.50	0.221	
209	MC	154	630	-0.24	1.36	0.243	1.10	1.41	0.235	-0.02	2.20	0.138	
210	MC	154	630	0.23	0.61	0.435	0.78	0.44	0.507	-0.01	0.24	0.627	
211	MC	154	630	0.46	6.14	0.013	-0.18	0.03	0.857	0.01	0.43	0.513	
212	MC	154	630	0.87	13.45	0.000	-0.07	0.00	0.949	0.02	0.82	0.365	Uniform>
213	MC	154	630	0.03	0.02	0.891	1.18	1.76	0.184	-0.02	1.75	0.185	
214	MC	154	630	0.12	0.40	0.528	0.00	0.00	0.999	0.00	0.01	0.904	
215	MC	154	630	0.15	0.59	0.443	0.99	1.11	0.291	-0.01	0.84	0.360	
216	MC	154	630	-0.47	4.73	0.030	-1.19	1.25	0.263	0.01	0.48	0.488	
217	MC	154	630	-0.14	0.55	0.458	-0.38	0.15	0.700	0.00	0.06	0.803	
218	MC	149	630	-1.16	6.57	0.010	-0.83	0.23	0.633	-0.01	0.04	0.844	
219	MC	149	630	0.41	3.93	0.048	-0.65	0.36	0.548	0.02	0.98	0.323	
220	MC	149	630	0.47	6.18	0.013	-0.05	0.00	0.961	0.01	0.26	0.607	
221	MC	149	630	-0.03	0.01	0.920	-1.33	0.77	0.382	0.02	0.75	0.386	
222	MC	149	630	0.06	0.10	0.758	-3.34	5.49	0.019	0.05	5.82	0.016	
223	MC	149	630	0.19	0.56	0.456	0.22	0.03	0.856	0.00	0.00	0.977	
224	MC	149	630	-0.09	0.21	0.644	-0.97	0.80	0.370	0.01	0.68	0.408	
225	MC	149	630	0.10	0.17	0.677	-1.12	0.91	0.340	0.02	1.10	0.294	
226	MC	149	630	0.34	1.82	0.178	-1.33	0.93	0.335	0.03	1.49	0.222	
227	MC	149	630	-0.24	1.56	0.212	-0.08	0.01	0.942	0.00	0.03	0.870	
228	MC	149	630	-0.62	9.56	0.002	-0.28	0.07	0.788	-0.01	0.11	0.743	Uniform<

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.264: Logistic Regression DIF Results on Stage V Listening Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUUni}$	Wald $\chi^2$	p-value	
183	MC	1807	1506	-0.17	0.75	0.386	-0.22	0.15	0.702	0.00	0.01	0.934	Uniform>
184	MC	1807	1506	0.21	7.36	0.007	-0.05	0.02	0.884	0.00	0.51	0.474	
185	MC	463	462	-0.11	0.38	0.538	1.57	5.05	0.025	-0.03	6.17	0.013	Uniform>
186	MC	463	462	0.40	7.97	0.005	1.05	2.64	0.104	-0.01	1.08	0.299	
187	MC	463	462	-0.03	0.05	0.826	-0.56	0.67	0.412	0.01	0.63	0.428	Uniform>
188	MC	463	462	0.04	0.07	0.787	-1.11	3.01	0.083	0.02	3.38	0.066	
189	MC	463	462	-0.06	0.21	0.649	0.14	0.04	0.846	0.00	0.09	0.771	Uniform>
190	MC	463	462	0.12	0.73	0.392	-0.61	0.97	0.324	0.01	1.47	0.226	
191	MC	463	462	0.06	0.13	0.718	-0.90	1.56	0.212	0.02	1.86	0.173	Uniform>
192	MC	463	462	0.16	1.29	0.256	-0.25	0.13	0.719	0.01	0.36	0.547	
193	MC	463	462	0.29	4.58	0.032	0.00	0.00	0.996	0.00	0.22	0.637	Uniform>
194	MC	463	462	-0.32	4.79	0.029	-0.18	0.08	0.777	0.00	0.05	0.831	
195	MC	463	462	0.21	2.31	0.129	0.07	0.01	0.904	0.00	0.05	0.820	Uniform>
196	MC	469	356	0.03	0.03	0.859	-0.40	0.41	0.521	0.01	0.53	0.467	
197	MC	469	356	-0.02	0.02	0.899	-0.27	0.22	0.638	0.00	0.21	0.650	Uniform>
198	MC	469	356	-0.21	1.66	0.198	0.46	0.55	0.459	-0.01	1.26	0.262	
199	MC	469	356	-0.35	1.57	0.210	0.50	0.40	0.526	-0.02	1.30	0.255	Uniform>
200	MC	469	356	0.08	0.24	0.627	0.29	0.19	0.662	0.00	0.11	0.740	
201	MC	469	356	-0.30	3.69	0.055	-0.48	0.62	0.432	0.00	0.09	0.766	Uniform>
202	MC	469	356	-0.03	0.02	0.880	-0.68	1.23	0.268	0.01	1.23	0.267	
203	MC	469	356	-0.30	3.02	0.082	0.10	0.02	0.882	-0.01	0.41	0.524	Uniform>
204	MC	469	356	0.58	9.04	0.003	1.68	5.95	0.015	-0.02	2.79	0.095	
205	MC	469	356	-0.49	9.48	0.002	-0.09	0.02	0.890	-0.01	0.44	0.509	Uniform<
206	MC	469	356	-0.28	3.39	0.066	-0.73	1.14	0.286	0.01	0.45	0.504	
207	MC	384	400	0.01	0.01	0.926	-0.86	1.20	0.274	0.01	1.29	0.255	Uniform<
208	MC	384	400	-0.19	1.14	0.285	-0.66	0.78	0.378	0.01	0.43	0.514	
209	MC	384	400	0.23	1.91	0.167	-0.68	0.88	0.349	0.01	1.66	0.197	Uniform<
210	MC	384	400	-0.44	3.40	0.065	-0.19	0.04	0.837	0.00	0.08	0.778	
211	MC	384	400	0.26	2.92	0.087	1.55	4.19	0.041	-0.02	3.04	0.081	Uniform<
212	MC	384	400	-0.14	0.65	0.420	-0.76	1.05	0.304	0.01	0.75	0.386	
213	MC	384	400	-0.14	0.91	0.340	1.18	2.93	0.087	-0.02	3.84	0.050	Uniform<
214	MC	384	400	-0.20	1.61	0.205	1.43	3.35	0.067	-0.02	4.50	0.034	
215	MC	384	400	-0.21	1.89	0.169	0.05	0.00	0.951	0.00	0.13	0.719	Uniform<
216	MC	384	400	-0.19	1.00	0.317	-0.85	1.15	0.284	0.01	0.74	0.389	
217	MC	384	400	0.05	0.12	0.724	-0.42	0.35	0.554	0.01	0.46	0.497	Uniform<
218	MC	491	288	0.59	2.10	0.147	0.82	0.42	0.517	-0.01	0.04	0.849	
219	MC	491	288	-0.07	0.18	0.675	0.49	0.45	0.505	-0.01	0.61	0.435	Uniform<
220	MC	491	288	-0.03	0.03	0.854	-0.12	0.03	0.870	0.00	0.02	0.898	
221	MC	491	288	0.10	0.15	0.701	-1.28	1.69	0.194	0.03	2.11	0.147	Uniform<
222	MC	491	288	0.04	0.05	0.818	1.60	3.20	0.074	-0.02	3.17	0.075	
223	MC	491	288	-0.35	2.67	0.102	0.90	1.02	0.312	-0.02	2.08	0.150	Uniform<
224	MC	491	288	0.16	1.06	0.304	1.66	4.45	0.035	-0.02	3.78	0.052	
225	MC	491	288	-0.32	2.56	0.109	0.73	0.83	0.364	-0.02	1.78	0.182	Uniform<
226	MC	491	288	-0.63	8.21	0.004	1.54	2.34	0.126	-0.04	4.77	0.029	
227	MC	491	288	-0.25	2.62	0.106	-0.41	0.32	0.573	0.00	0.05	0.823	Uniform<
228	MC	491	288	0.00	0.00	0.997	0.28	0.17	0.682	0.00	0.18	0.674	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.265: Logistic Regression DIF Results on Stage V Listening Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
183	MC	1807	662	-0.19	0.49	0.484	-0.22	0.08	0.783	0.00	0.00	0.972	Uniform>
184	MC	1807	662	0.26	6.72	0.010	0.24	0.21	0.649	0.00	0.00	0.966	
185	MC	463	172	-0.44	2.71	0.100	2.25	4.08	0.043	-0.05	5.93	0.015	
186	MC	463	172	0.21	1.18	0.277	0.26	0.08	0.775	0.00	0.00	0.950	
187	MC	463	172	0.02	0.01	0.920	-0.17	0.03	0.869	0.00	0.04	0.849	
188	MC	463	172	0.00	0.00	0.994	-1.19	1.73	0.189	0.02	1.79	0.180	
189	MC	463	172	-0.17	0.85	0.358	-0.07	0.00	0.945	0.00	0.01	0.916	
190	MC	463	172	0.09	0.21	0.650	-0.44	0.23	0.631	0.01	0.35	0.555	
191	MC	463	172	-0.11	0.22	0.640	-0.80	0.59	0.443	0.01	0.46	0.496	
192	MC	463	172	-0.02	0.02	0.901	-0.81	0.70	0.404	0.01	0.68	0.410	
193	MC	463	172	-0.03	0.02	0.875	-0.84	0.87	0.350	0.01	0.85	0.357	
194	MC	463	172	-0.26	1.76	0.185	-0.89	0.97	0.324	0.01	0.52	0.473	
195	MC	463	172	0.25	1.83	0.176	-0.97	1.29	0.256	0.02	2.12	0.145	
196	MC	469	129	0.12	0.23	0.635	-0.72	0.61	0.435	0.01	0.92	0.339	
197	MC	469	129	0.01	0.00	0.949	-0.73	0.78	0.378	0.01	0.85	0.356	
198	MC	469	129	0.01	0.00	0.963	1.73	2.81	0.094	-0.03	2.92	0.088	
199	MC	469	129	-0.34	0.65	0.420	1.21	0.87	0.350	-0.03	1.48	0.224	
200	MC	469	129	0.06	0.07	0.791	-0.42	0.21	0.646	0.01	0.29	0.591	
201	MC	469	129	-0.21	0.88	0.347	-0.39	0.19	0.663	0.00	0.04	0.833	
202	MC	469	129	-0.35	1.89	0.169	0.65	0.41	0.522	-0.02	1.04	0.308	
203	MC	469	129	-0.32	1.64	0.201	-0.14	0.02	0.885	0.00	0.04	0.845	NonUniform
204	MC	469	129	0.66	6.19	0.013	2.41	4.83	0.028	-0.03	2.71	0.100	
205	MC	469	129	-0.59	6.56	0.010	-0.56	0.36	0.549	0.00	0.00	0.966	
206	MC	469	129	-0.16	0.53	0.465	0.38	0.12	0.728	-0.01	0.25	0.615	
207	MC	384	232	0.15	0.63	0.427	-0.83	0.86	0.353	0.02	1.24	0.265	
208	MC	384	232	-0.28	1.89	0.169	-1.25	2.17	0.140	0.02	1.39	0.238	
209	MC	384	232	0.30	2.47	0.116	-0.90	1.21	0.272	0.02	2.27	0.132	
210	MC	384	232	-0.50	3.20	0.073	-0.15	0.02	0.884	-0.01	0.11	0.736	
211	MC	384	232	0.39	4.63	0.031	3.25	9.84	0.002	-0.04	8.01	0.005	
212	MC	384	232	-0.18	0.87	0.352	-0.47	0.30	0.584	0.00	0.12	0.733	
213	MC	384	232	-0.11	0.42	0.516	1.81	4.73	0.030	-0.03	5.59	0.018	
214	MC	384	232	-0.15	0.66	0.416	1.15	1.62	0.203	-0.02	2.16	0.142	
215	MC	384	232	-0.16	0.76	0.385	0.60	0.48	0.490	-0.01	0.79	0.373	
216	MC	384	232	0.02	0.01	0.910	-1.21	1.87	0.172	0.02	2.06	0.151	
217	MC	384	232	0.07	0.17	0.681	-0.49	0.36	0.548	0.01	0.49	0.482	
218	MC	491	129	0.88	2.99	0.084	1.37	0.60	0.437	-0.01	0.08	0.772	
219	MC	491	129	-0.37	2.60	0.107	0.10	0.01	0.922	-0.01	0.22	0.642	Uniform<
220	MC	491	129	-0.21	1.09	0.295	-0.49	0.25	0.620	0.00	0.08	0.774	
221	MC	491	129	0.23	0.47	0.495	-0.71	0.27	0.601	0.02	0.51	0.474	
222	MC	491	129	-0.02	0.01	0.911	1.75	1.91	0.167	-0.03	2.03	0.154	
223	MC	491	129	-0.17	0.36	0.550	0.55	0.21	0.648	-0.01	0.37	0.542	
224	MC	491	129	-0.12	0.31	0.577	1.46	1.77	0.183	-0.03	2.15	0.142	
225	MC	491	129	-0.57	3.95	0.047	0.77	0.41	0.520	-0.02	1.29	0.256	
226	MC	491	129	-0.82	6.94	0.008	1.99	1.70	0.193	-0.05	3.38	0.066	
227	MC	491	129	-0.24	1.38	0.240	-0.31	0.10	0.755	0.00	0.01	0.942	
228	MC	491	129	0.06	0.09	0.769	-0.76	0.65	0.422	0.01	0.78	0.376	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.266: Logistic Regression DIF Results on Stage V Listening Items for the Non-Spanish/English Comparison**

Focal Group: Non-Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NonUni}$	Wald $\chi^2$	p-value	$\beta_2^{NonUni}$	Wald $\chi^2$	p-value	
183	MC	844	662	-0.03	0.01	0.916	0.00	0.00	0.997	0.00	0.00	0.965	Uniform<
184	MC	844	662	0.09	0.61	0.433	0.46	0.64	0.423	-0.01	0.43	0.510	
185	MC	290	172	-0.45	2.40	0.122	1.02	0.77	0.380	-0.03	1.69	0.194	
186	MC	290	172	-0.29	1.91	0.167	-1.12	1.28	0.258	0.01	0.74	0.389	
187	MC	290	172	0.06	0.08	0.775	0.55	0.28	0.596	-0.01	0.23	0.631	
188	MC	290	172	-0.10	0.23	0.635	-0.10	0.01	0.911	0.00	0.00	0.993	
189	MC	290	172	-0.18	0.72	0.395	-0.26	0.06	0.804	0.00	0.01	0.933	
190	MC	290	172	-0.08	0.16	0.693	0.27	0.09	0.770	-0.01	0.15	0.697	
191	MC	290	172	-0.28	1.46	0.228	0.21	0.04	0.840	-0.01	0.23	0.632	
192	MC	290	172	-0.31	2.23	0.135	-0.78	0.58	0.447	0.01	0.22	0.638	
193	MC	290	172	-0.53	6.89	0.009	-1.17	1.50	0.220	0.01	0.47	0.492	
194	MC	290	172	0.10	0.20	0.652	-1.09	1.31	0.252	0.02	1.64	0.201	
195	MC	290	172	0.07	0.13	0.721	-1.56	3.00	0.083	0.02	3.43	0.064	
196	MC	227	129	0.11	0.17	0.684	-0.49	0.27	0.604	0.01	0.45	0.501	
197	MC	227	129	0.04	0.03	0.863	-0.69	0.62	0.430	0.01	0.74	0.388	
198	MC	227	129	0.40	2.26	0.132	1.65	2.34	0.126	-0.02	1.43	0.232	
199	MC	227	129	0.08	0.03	0.873	0.94	0.49	0.483	-0.02	0.46	0.496	
200	MC	227	129	-0.01	0.00	0.952	-1.09	1.15	0.284	0.02	1.18	0.277	
201	MC	227	129	0.14	0.30	0.582	0.08	0.01	0.935	0.00	0.00	0.947	
202	MC	227	129	-0.49	3.34	0.068	1.84	3.17	0.075	-0.04	5.38	0.020	
203	MC	227	129	-0.02	0.00	0.948	-0.34	0.11	0.741	0.01	0.11	0.745	NonUniform
204	MC	227	129	0.20	0.46	0.497	0.97	0.72	0.396	-0.01	0.49	0.486	
205	MC	227	129	-0.15	0.33	0.564	-0.65	0.43	0.513	0.01	0.27	0.603	
206	MC	227	129	0.18	0.58	0.445	1.48	1.77	0.183	-0.02	1.45	0.229	
207	MC	168	232	0.32	2.10	0.147	0.07	0.00	0.947	0.00	0.07	0.798	
208	MC	168	232	-0.24	1.01	0.315	-1.45	2.11	0.147	0.02	1.55	0.213	
209	MC	168	232	0.17	0.54	0.462	-0.52	0.31	0.575	0.01	0.58	0.446	
210	MC	168	232	-0.15	0.19	0.660	0.07	0.00	0.957	0.00	0.03	0.854	
211	MC	168	232	0.32	2.11	0.146	3.22	7.98	0.005	-0.04	6.77	0.009	
212	MC	168	232	-0.08	0.11	0.745	0.64	0.46	0.499	-0.01	0.61	0.435	
213	MC	168	232	0.07	0.10	0.748	1.38	2.10	0.147	-0.02	2.00	0.158	
214	MC	168	232	0.06	0.08	0.772	-0.66	0.34	0.562	0.01	0.42	0.516	
215	MC	168	232	0.15	0.50	0.481	1.22	1.61	0.205	-0.02	1.30	0.255	
216	MC	168	232	0.51	3.62	0.057	-1.02	0.95	0.331	0.03	2.24	0.135	
217	MC	168	232	0.05	0.06	0.810	-0.15	0.03	0.871	0.00	0.05	0.825	
218	MC	159	129	0.57	0.83	0.364	0.87	0.17	0.684	-0.01	0.02	0.882	
219	MC	159	129	-0.53	3.83	0.050	-0.71	0.32	0.571	0.00	0.02	0.880	
220	MC	159	129	-0.33	1.89	0.169	-0.69	0.32	0.573	0.01	0.09	0.767	
221	MC	159	129	0.18	0.22	0.642	0.97	0.36	0.550	-0.01	0.25	0.617	
222	MC	159	129	-0.11	0.18	0.675	0.26	0.03	0.870	-0.01	0.06	0.812	
223	MC	159	129	0.41	1.20	0.272	-0.77	0.24	0.625	0.02	0.59	0.441	
224	MC	159	129	-0.53	4.01	0.045	-0.43	0.10	0.754	0.00	0.01	0.942	
225	MC	159	129	-0.43	1.62	0.203	0.04	0.00	0.980	-0.01	0.11	0.735	
226	MC	159	129	-0.39	0.95	0.329	0.66	0.12	0.724	-0.02	0.33	0.565	
227	MC	159	129	0.02	0.00	0.949	0.16	0.02	0.890	0.00	0.02	0.898	
228	MC	159	129	0.12	0.24	0.626	-1.87	2.48	0.115	0.03	2.93	0.087	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.267: Logistic Regression DIF Results on Stage V Listening Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
183	MC	50	662	-0.58	0.52	0.473	-8.69	1.14	0.286	0.20	0.87	0.352	
184	MC	50	662	0.15	0.22	0.641	-2.57	1.28	0.258	0.04	1.49	0.222	
185	MC	7	172	-0.69	0.33	0.564	-368.50	0.72	0.395	6.61	0.72	0.397	
186	MC	7	172	-0.25	0.09	0.760	3.37	0.66	0.416	-0.05	0.80	0.370	
187	MC	7	172	-0.04	0.00	0.968	-4.26	0.46	0.499	0.06	0.44	0.508	
188	MC	7	172	-1.41	2.63	0.105	0.87	0.04	0.847	-0.03	0.26	0.612	
189	MC	7	172	-0.11	0.02	0.895	0.22	0.00	0.961	0.00	0.01	0.940	
190	MC	7	172	1.17	1.11	0.292	13.95	1.15	0.284	-0.16	1.16	0.282	
191	MC	7	172	0.49	0.18	0.670	15.13	1.35	0.245	-0.19	1.59	0.208	
192	MC	7	172	0.13	0.03	0.873	1.54	0.14	0.710	-0.02	0.12	0.728	
193	MC	7	172	-0.04	0.00	0.962	2.75	0.44	0.506	-0.04	0.48	0.490	
194	MC	7	172	13.54	0.00	0.977	13.11	0.00	0.982	-0.04	0.00	0.996	
195	MC	7	172	-0.40	0.26	0.610	4.52	1.03	0.310	-0.07	1.24	0.266	
196	MC	16	129	-0.06	0.01	0.932	-3.55	0.79	0.374	0.05	0.78	0.379	
197	MC	16	129	-0.60	1.20	0.274	0.17	0.00	0.959	-0.01	0.06	0.810	
198	MC	16	129	1.73	2.48	0.115	5.30	0.87	0.351	-0.06	0.46	0.498	
199	MC	16	129	10.97	0.00	0.973	12.78	0.00	0.971	-0.09	0.00	0.987	
200	MC	16	129	-0.18	0.09	0.760	-19.00	2.58	0.108	0.28	2.50	0.114	
201	MC	16	129	-0.45	0.62	0.433	-2.36	0.38	0.540	0.03	0.25	0.615	
202	MC	16	129	-0.26	0.13	0.721	2.62	0.52	0.470	-0.04	0.68	0.410	
203	MC	16	129	-1.22	3.92	0.048	-21.40	2.50	0.114	0.30	2.20	0.138	
204	MC	16	129	1.27	1.28	0.258	5.44	0.91	0.339	-0.07	0.64	0.425	
205	MC	16	129	-0.75	1.62	0.204	-2.90	0.51	0.476	0.03	0.29	0.591	
206	MC	16	129	0.20	0.14	0.711	9.53	4.76	0.029	-0.13	4.69	0.030	
207	MC	16	232	1.14	3.26	0.071	-2.00	0.39	0.530	0.06	1.01	0.315	
208	MC	16	232	-0.24	0.17	0.679	0.44	0.04	0.850	-0.01	0.09	0.762	
209	MC	16	232	0.89	1.75	0.186	0.93	0.14	0.711	0.00	0.00	0.986	
210	MC	16	232	-0.86	1.41	0.235	-0.35	0.02	0.901	-0.01	0.03	0.852	
211	MC	16	232	0.38	0.45	0.504	2.12	0.56	0.456	-0.03	0.38	0.537	
212	MC	16	232	13.79	0.00	0.967	13.67	0.00	0.968	-0.05	0.00	0.993	
213	MC	16	232	1.21	4.38	0.036	3.91	2.53	0.112	-0.04	1.33	0.248	
214	MC	16	232	-1.24	2.54	0.111	0.82	0.06	0.811	-0.03	0.35	0.551	
215	MC	16	232	-0.05	0.01	0.926	7.53	5.32	0.021	-0.13	5.48	0.019	
216	MC	16	232	-0.74	1.78	0.182	-3.46	1.02	0.312	0.04	0.66	0.415	
217	MC	16	232	-0.49	0.77	0.381	-1.27	0.18	0.671	0.01	0.07	0.789	
218	MC	11	129	10.74	0.00	0.967	13.91	0.00	0.981	-0.10	0.00	0.991	
219	MC	11	129	0.10	0.02	0.884	-2.19	0.18	0.675	0.04	0.20	0.658	
220	MC	11	129	-0.04	0.00	0.947	0.26	0.00	0.957	-0.01	0.00	0.950	
221	MC	11	129	0.57	0.25	0.615	4.31	0.35	0.555	-0.07	0.29	0.593	
222	MC	11	129	-0.24	0.13	0.722	3.02	0.32	0.569	-0.05	0.38	0.538	
223	MC	11	129	0.85	0.59	0.443	4.54	0.33	0.565	-0.06	0.24	0.626	
224	MC	11	129	-0.65	0.99	0.319	-3.08	0.20	0.655	0.04	0.13	0.723	
225	MC	11	129	12.37	0.00	0.972	11.46	0.00	0.976	-0.05	0.00	0.993	
226	MC	11	129	0.46	0.15	0.703	-47.05	0.02	0.884	0.99	0.02	0.877	
227	MC	11	129	-0.14	0.05	0.830	4.89	0.93	0.335	-0.08	0.99	0.319	
228	MC	11	129	-0.53	0.57	0.452	-9.04	0.90	0.344	0.14	0.83	0.362	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.0005 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.268: Logistic Regression DIF Results on Stage V Listening Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
183	MC	3313	1623	0.56	12.35	0.000	-0.29	0.57	0.450	0.02	5.83	0.016	Uniform> NonUniform
184	MC	3313	1623	-0.49	46.45	0.000	0.58	3.81	0.051	-0.01	13.97	0.000	
185	MC	925	390	0.03	0.02	0.877	0.21	0.16	0.686	0.00	0.14	0.709	Uniform< Uniform<
186	MC	925	390	0.01	0.00	0.947	0.84	2.27	0.132	-0.01	2.41	0.120	
187	MC	925	390	-0.37	4.65	0.031	0.00	0.00	0.998	-0.01	0.48	0.487	Uniform< Uniform<
188	MC	925	390	-0.28	3.62	0.057	0.25	0.23	0.630	-0.01	1.15	0.284	
189	MC	925	390	-0.13	0.79	0.373	0.22	0.14	0.708	0.00	0.39	0.533	Uniform< Uniform<
190	MC	925	390	-0.03	0.04	0.843	0.25	0.25	0.619	0.00	0.34	0.560	
191	MC	925	390	0.01	0.00	0.946	-0.03	0.00	0.959	0.00	0.01	0.940	Uniform< Uniform<
192	MC	925	390	-0.51	11.32	0.001	0.64	1.13	0.288	-0.02	3.92	0.048	
193	MC	925	390	-0.63	18.84	0.000	-0.33	0.43	0.511	0.00	0.39	0.531	Uniform< Uniform<
194	MC	925	390	0.03	0.03	0.866	1.04	3.47	0.062	-0.01	3.62	0.057	
195	MC	925	390	-0.10	0.56	0.454	0.66	1.78	0.182	-0.01	2.62	0.105	Uniform< Uniform<
196	MC	825	491	0.21	1.91	0.167	0.39	0.84	0.360	0.00	0.20	0.655	
197	MC	825	491	-0.26	4.21	0.040	0.52	1.62	0.202	-0.01	4.03	0.045	Uniform< Uniform<
198	MC	825	491	0.26	3.49	0.062	-0.23	0.31	0.580	0.01	1.53	0.215	
199	MC	825	491	0.13	0.30	0.584	1.27	4.54	0.033	-0.03	4.09	0.043	Uniform< Uniform<
200	MC	825	491	0.11	0.70	0.402	-0.88	4.06	0.044	0.02	5.67	0.017	
201	MC	825	491	-0.22	2.32	0.127	0.56	1.56	0.211	-0.01	3.37	0.067	Uniform< Uniform<
202	MC	825	491	0.16	1.19	0.275	0.63	2.01	0.156	-0.01	1.26	0.262	
203	MC	825	491	0.06	0.17	0.682	0.01	0.00	0.982	0.00	0.01	0.903	Uniform< Uniform<
204	MC	825	491	-0.29	2.85	0.092	-1.26	7.68	0.006	0.02	5.39	0.020	
205	MC	825	491	-0.29	3.96	0.047	-0.22	0.24	0.621	0.00	0.03	0.874	Uniform< Uniform<
206	MC	825	491	-0.44	11.83	0.001	-0.40	0.75	0.386	0.00	0.01	0.923	
207	MC	784	350	-0.14	0.68	0.411	-0.23	0.12	0.732	0.00	0.02	0.892	Uniform< Uniform<
208	MC	784	350	-0.04	0.05	0.823	1.18	2.62	0.105	-0.02	3.01	0.083	
209	MC	784	350	0.09	0.29	0.591	-0.14	0.05	0.822	0.00	0.15	0.695	Uniform< Uniform<
210	MC	784	350	0.29	1.32	0.250	0.24	0.08	0.779	0.00	0.00	0.955	
211	MC	784	350	-0.79	24.36	0.000	2.42	10.23	0.001	-0.04	19.05	0.000	Uniform< Uniform<
212	MC	784	350	0.12	0.44	0.509	1.33	3.59	0.058	-0.02	3.18	0.075	
213	MC	784	350	-0.22	2.15	0.143	2.25	11.78	0.001	-0.03	15.38	0.000	Uniform< Uniform<
214	MC	784	350	-0.42	7.83	0.005	0.62	0.89	0.345	-0.01	2.72	0.099	
215	MC	784	350	-0.39	6.77	0.009	1.64	6.35	0.012	-0.03	10.54	0.001	Uniform< Uniform<
216	MC	784	350	0.51	6.63	0.010	2.31	7.85	0.005	-0.03	5.03	0.025	
217	MC	784	350	-0.20	1.63	0.201	1.41	4.69	0.030	-0.02	6.53	0.011	Uniform< Uniform<
218	MC	779	392	0.09	0.06	0.803	-0.12	0.02	0.899	0.01	0.06	0.808	
219	MC	779	392	-0.52	10.05	0.002	0.27	0.27	0.604	-0.01	2.48	0.115	Uniform< Uniform<
220	MC	779	392	-0.40	7.80	0.005	1.16	4.20	0.040	-0.02	8.22	0.004	
221	MC	779	392	-0.03	0.02	0.893	0.49	0.39	0.535	-0.01	0.48	0.487	Uniform< Uniform<
222	MC	779	392	-0.43	7.19	0.007	0.39	0.35	0.553	-0.01	1.66	0.198	
223	MC	779	392	0.39	4.16	0.041	0.37	0.39	0.534	0.00	0.00	0.971	Uniform< Uniform<
224	MC	779	392	-0.07	0.19	0.666	0.52	0.89	0.346	-0.01	1.23	0.268	
225	MC	779	392	-0.32	2.82	0.093	0.48	0.74	0.390	-0.01	2.28	0.131	Uniform< Uniform<
226	MC	779	392	-0.12	0.34	0.561	-0.22	0.11	0.738	0.00	0.02	0.877	
227	MC	779	392	-0.27	3.80	0.051	0.99	3.36	0.067	-0.02	5.89	0.015	Uniform< Uniform<
228	MC	779	392	-0.02	0.02	0.902	0.46	0.89	0.347	-0.01	1.03	0.309	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.269: Logistic Regression DIF Results on Stage V Listening Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
183	MC	3313	1623	0.56	12.35	0.000	-0.29	0.57	0.450	0.02	5.83	0.016	Uniform> NonUniform
184	MC	3313	1623	-0.49	46.45	0.000	0.58	3.81	0.051	-0.01	13.97	0.000	
185	MC	925	390	0.03	0.02	0.877	0.21	0.16	0.686	0.00	0.14	0.709	Uniform< Uniform<
186	MC	925	390	0.01	0.00	0.947	0.84	2.27	0.132	-0.01	2.41	0.120	
187	MC	925	390	-0.37	4.65	0.031	0.00	0.00	0.998	-0.01	0.48	0.487	Uniform< Uniform<
188	MC	925	390	-0.28	3.62	0.057	0.25	0.23	0.630	-0.01	1.15	0.284	
189	MC	925	390	-0.13	0.79	0.373	0.22	0.14	0.708	0.00	0.39	0.533	Uniform< Uniform<
190	MC	925	390	-0.03	0.04	0.843	0.25	0.25	0.619	0.00	0.34	0.560	
191	MC	925	390	0.01	0.00	0.946	-0.03	0.00	0.959	0.00	0.01	0.940	Uniform< Uniform<
192	MC	925	390	-0.51	11.32	0.001	0.64	1.13	0.288	-0.02	3.92	0.048	
193	MC	925	390	-0.63	18.84	0.000	-0.33	0.43	0.511	0.00	0.39	0.531	Uniform< Uniform<
194	MC	925	390	0.03	0.03	0.866	1.04	3.47	0.062	-0.01	3.62	0.057	
195	MC	925	390	-0.10	0.56	0.454	0.66	1.78	0.182	-0.01	2.62	0.105	Uniform< Uniform<
196	MC	825	491	0.21	1.91	0.167	0.39	0.84	0.360	0.00	0.20	0.655	
197	MC	825	491	-0.26	4.21	0.040	0.52	1.62	0.202	-0.01	4.03	0.045	Uniform< Uniform<
198	MC	825	491	0.26	3.49	0.062	-0.23	0.31	0.580	0.01	1.53	0.215	
199	MC	825	491	0.13	0.30	0.584	1.27	4.54	0.033	-0.03	4.09	0.043	Uniform< Uniform<
200	MC	825	491	0.11	0.70	0.402	-0.88	4.06	0.044	0.02	5.67	0.017	
201	MC	825	491	-0.22	2.32	0.127	0.56	1.56	0.211	-0.01	3.37	0.067	Uniform< Uniform<
202	MC	825	491	0.16	1.19	0.275	0.63	2.01	0.156	-0.01	1.26	0.262	
203	MC	825	491	0.06	0.17	0.682	0.01	0.00	0.982	0.00	0.01	0.903	Uniform< Uniform<
204	MC	825	491	-0.29	2.85	0.092	-1.26	7.68	0.006	0.02	5.39	0.020	
205	MC	825	491	-0.29	3.96	0.047	-0.22	0.24	0.621	0.00	0.03	0.874	Uniform< Uniform<
206	MC	825	491	-0.44	11.83	0.001	-0.40	0.75	0.386	0.00	0.01	0.923	
207	MC	784	350	-0.14	0.68	0.411	-0.23	0.12	0.732	0.00	0.02	0.892	Uniform< Uniform<
208	MC	784	350	-0.04	0.05	0.823	1.18	2.62	0.105	-0.02	3.01	0.083	
209	MC	784	350	0.09	0.29	0.591	-0.14	0.05	0.822	0.00	0.15	0.695	Uniform< Uniform<
210	MC	784	350	0.29	1.32	0.250	0.24	0.08	0.779	0.00	0.00	0.955	
211	MC	784	350	-0.79	24.36	0.000	2.42	10.23	0.001	-0.04	19.05	0.000	Uniform< Uniform<
212	MC	784	350	0.12	0.44	0.509	1.33	3.59	0.058	-0.02	3.18	0.075	
213	MC	784	350	-0.22	2.15	0.143	2.25	11.78	0.001	-0.03	15.38	0.000	Uniform< Uniform<
214	MC	784	350	-0.42	7.83	0.005	0.62	0.89	0.345	-0.01	2.72	0.099	
215	MC	784	350	-0.39	6.77	0.009	1.64	6.35	0.012	-0.03	10.54	0.001	Uniform< Uniform<
216	MC	784	350	0.51	6.63	0.010	2.31	7.85	0.005	-0.03	5.03	0.025	
217	MC	784	350	-0.20	1.63	0.201	1.41	4.69	0.030	-0.02	6.53	0.011	Uniform< Uniform<
218	MC	779	392	0.09	0.06	0.803	-0.12	0.02	0.899	0.01	0.06	0.808	
219	MC	779	392	-0.52	10.05	0.002	0.27	0.27	0.604	-0.01	2.48	0.115	Uniform< Uniform<
220	MC	779	392	-0.40	7.80	0.005	1.16	4.20	0.040	-0.02	8.22	0.004	
221	MC	779	392	-0.03	0.02	0.893	0.49	0.39	0.535	-0.01	0.48	0.487	Uniform< Uniform<
222	MC	779	392	-0.43	7.19	0.007	0.39	0.35	0.553	-0.01	1.66	0.198	
223	MC	779	392	0.39	4.16	0.041	0.37	0.39	0.534	0.00	0.00	0.971	Uniform< Uniform<
224	MC	779	392	-0.07	0.19	0.666	0.52	0.89	0.346	-0.01	1.23	0.268	
225	MC	779	392	-0.32	2.82	0.093	0.48	0.74	0.390	-0.01	2.28	0.131	Uniform< Uniform<
226	MC	779	392	-0.12	0.34	0.561	-0.22	0.11	0.738	0.00	0.02	0.877	
227	MC	779	392	-0.27	3.80	0.051	0.99	3.36	0.067	-0.02	5.89	0.015	Uniform< Uniform<
228	MC	779	392	-0.02	0.02	0.902	0.46	0.89	0.347	-0.01	1.03	0.309	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.270: Logistic Regression DIF Results on Stage V Listening Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
183	MC	117	3313	-0.34	0.11	0.742	4.61	0.36	0.547	-0.07	0.47	0.493	Uniform>
184	MC	117	3313	0.51	6.70	0.010	1.04	0.44	0.508	-0.01	0.11	0.735	
185	MC	30	925	13.55	0.00	0.978	13.40	0.00	0.981	-0.05	0.00	0.994	
186	MC	30	925	0.34	0.58	0.446	-10.88	2.65	0.103	0.15	2.81	0.094	
187	MC	30	925	0.01	0.00	0.986	2.24	0.37	0.545	-0.03	0.38	0.540	
188	MC	30	925	-0.18	0.21	0.649	-1.98	0.31	0.577	0.02	0.26	0.610	
189	MC	30	925	0.13	0.10	0.748	4.47	1.91	0.167	-0.05	1.86	0.172	
190	MC	30	925	-0.45	1.28	0.258	-4.67	1.31	0.253	0.05	1.08	0.300	
191	MC	30	925	-0.18	0.13	0.723	-19.09	2.95	0.086	0.25	2.87	0.090	
192	MC	30	925	0.01	0.00	0.983	0.80	0.06	0.806	-0.01	0.06	0.807	
193	MC	30	925	0.57	1.76	0.185	-3.29	0.66	0.416	0.05	0.91	0.340	
194	MC	30	925	0.31	0.43	0.510	-0.51	0.02	0.893	0.01	0.05	0.828	
195	MC	30	925	0.14	0.12	0.734	-6.18	1.92	0.166	0.08	2.01	0.156	
196	MC	34	825	-0.15	0.08	0.782	-23.71	2.62	0.106	0.35	2.33	0.127	
197	MC	34	825	0.02	0.00	0.950	-4.74	2.36	0.124	0.06	2.43	0.119	
198	MC	34	825	-0.53	1.50	0.221	-1.44	0.26	0.607	0.01	0.11	0.744	
199	MC	34	825	11.67	0.00	0.975	12.41	0.00	0.975	-0.06	0.00	0.990	
200	MC	34	825	0.07	0.03	0.874	-1.37	0.22	0.643	0.02	0.24	0.623	
201	MC	34	825	0.01	0.00	0.989	-3.72	1.37	0.242	0.05	1.37	0.241	
202	MC	34	825	-0.02	0.00	0.973	0.65	0.04	0.833	-0.01	0.05	0.826	
203	MC	34	825	0.39	0.38	0.540	-0.25	0.00	0.945	0.01	0.03	0.858	
204	MC	34	825	-0.58	1.01	0.315	-0.62	0.03	0.852	0.00	0.00	0.990	
205	MC	34	825	-0.36	0.75	0.385	-0.62	0.05	0.819	0.00	0.01	0.924	
206	MC	34	825	0.12	0.10	0.750	-0.01	0.00	0.997	0.00	0.00	0.961	
207	MC	23	784	0.19	0.12	0.725	1.06	0.06	0.800	-0.01	0.04	0.833	
208	MC	23	784	0.66	0.76	0.385	-0.52	0.01	0.926	0.02	0.04	0.833	
209	MC	23	784	-0.52	1.08	0.299	0.18	0.00	0.963	-0.01	0.03	0.857	
210	MC	23	784	-1.26	3.48	0.062	5.60	1.21	0.271	-0.09	1.99	0.159	
211	MC	23	784	-0.08	0.03	0.861	-1.11	0.09	0.764	0.01	0.08	0.778	
212	MC	23	784	0.33	0.27	0.602	0.26	0.00	0.958	0.00	0.00	0.988	
213	MC	23	784	0.10	0.05	0.822	-5.73	1.63	0.202	0.07	1.69	0.193	
214	MC	23	784	-0.11	0.06	0.800	-0.30	0.01	0.934	0.00	0.00	0.958	
215	MC	23	784	0.94	4.53	0.033	-1.10	0.09	0.765	0.03	0.31	0.579	
216	MC	23	784	-0.16	0.06	0.810	7.69	2.01	0.156	-0.10	2.31	0.128	
217	MC	23	784	-0.15	0.12	0.724	-0.44	0.02	0.902	0.00	0.01	0.936	
218	MC	30	779	10.71	0.00	0.984	12.91	0.00	0.980	-0.09	0.00	0.989	
219	MC	30	779	0.16	0.12	0.731	9.78	3.09	0.079	-0.12	3.16	0.076	
220	MC	30	779	0.06	0.02	0.876	-1.76	0.20	0.655	0.02	0.22	0.643	
221	MC	30	779	12.26	0.00	0.981	14.60	0.00	0.976	-0.09	0.00	0.988	
222	MC	30	779	1.16	4.41	0.036	6.01	1.16	0.282	-0.06	0.79	0.375	
223	MC	30	779	0.77	0.56	0.453	15.89	1.23	0.268	-0.19	1.24	0.266	
224	MC	30	779	0.49	0.93	0.334	1.05	0.04	0.834	-0.01	0.01	0.910	
225	MC	30	779	0.23	0.14	0.711	-3.61	0.32	0.569	0.05	0.36	0.548	
226	MC	30	779	-0.01	0.00	0.995	13.22	2.03	0.154	-0.17	2.25	0.133	
227	MC	30	779	-0.38	0.93	0.335	-7.03	2.19	0.139	0.08	2.01	0.156	
228	MC	30	779	-0.17	0.19	0.662	-3.81	0.85	0.355	0.05	0.79	0.373	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.271: Logistic Regression DIF Results on Stage V Listening Items for the FRL/Non-FRL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
183	MC	3955	913	0.42	4.95	0.026	0.63	1.58	0.208	0.00	0.20	0.659	NonUniform
184	MC	3955	913	-0.10	1.37	0.241	0.92	5.98	0.014	-0.01	7.76	0.005	
185	MC	1076	220	-0.19	0.68	0.408	-1.09	2.82	0.093	0.02	2.27	0.132	
186	MC	1076	220	-0.22	1.57	0.210	0.74	1.07	0.301	-0.01	1.92	0.166	
187	MC	1076	220	-0.07	0.15	0.702	0.81	1.10	0.295	-0.01	1.39	0.238	
188	MC	1076	220	-0.06	0.13	0.720	-0.07	0.01	0.913	0.00	0.00	0.989	
189	MC	1076	220	-0.13	0.61	0.435	0.41	0.31	0.579	-0.01	0.57	0.449	
190	MC	1076	220	-0.29	2.77	0.096	0.39	0.37	0.543	-0.01	1.23	0.267	
191	MC	1076	220	0.27	1.94	0.164	2.18	5.64	0.018	-0.03	4.55	0.033	
192	MC	1076	220	-0.23	1.75	0.186	0.92	1.22	0.268	-0.02	2.02	0.155	
193	MC	1076	220	-0.31	3.40	0.065	-0.08	0.01	0.905	0.00	0.15	0.699	Uniform<
194	MC	1076	220	-0.04	0.06	0.801	0.53	0.60	0.440	-0.01	0.75	0.385	
195	MC	1076	220	-0.25	2.27	0.132	-0.59	1.06	0.303	0.00	0.39	0.533	
196	MC	1127	158	-0.39	1.97	0.160	-0.08	0.01	0.914	-0.01	0.19	0.666	
197	MC	1127	158	-0.20	1.06	0.303	0.04	0.00	0.955	0.00	0.14	0.709	
198	MC	1127	158	-0.15	0.42	0.517	-0.29	0.17	0.680	0.00	0.04	0.833	
199	MC	1127	158	0.01	0.00	0.984	-0.07	0.01	0.939	0.00	0.01	0.925	
200	MC	1127	158	-0.06	0.09	0.764	0.10	0.02	0.891	0.00	0.06	0.814	
201	MC	1127	158	-0.20	0.75	0.386	0.80	0.94	0.332	-0.02	1.59	0.207	
202	MC	1127	158	-0.12	0.24	0.627	-0.13	0.03	0.863	0.00	0.00	0.989	
203	MC	1127	158	-0.83	8.01	0.005	-0.80	0.99	0.319	0.00	0.00	0.972	Uniform<
204	MC	1127	158	0.21	0.58	0.446	0.19	0.06	0.807	0.00	0.00	0.980	
205	MC	1127	158	-0.17	0.55	0.457	1.04	1.48	0.223	-0.02	2.16	0.142	
206	MC	1127	158	-0.44	5.53	0.019	-0.24	0.12	0.729	0.00	0.09	0.766	
207	MC	927	201	0.09	0.22	0.637	-0.02	0.00	0.975	0.00	0.02	0.876	
208	MC	927	201	0.13	0.34	0.557	0.78	0.88	0.349	-0.01	0.66	0.418	
209	MC	927	201	-0.31	2.15	0.142	-1.53	4.67	0.031	0.02	3.35	0.067	
210	MC	927	201	-0.27	0.74	0.389	-1.26	1.62	0.203	0.02	1.14	0.286	
211	MC	927	201	-0.16	0.77	0.379	0.09	0.01	0.907	0.00	0.11	0.742	
212	MC	927	201	0.30	2.12	0.145	0.54	0.49	0.485	0.00	0.11	0.743	
213	MC	927	201	0.14	0.69	0.407	0.14	0.05	0.831	0.00	0.00	0.995	Uniform<
214	MC	927	201	-0.45	6.95	0.008	-0.43	0.38	0.536	0.00	0.00	0.977	
215	MC	927	201	-0.34	4.16	0.041	1.00	1.91	0.167	-0.02	3.66	0.056	
216	MC	927	201	0.08	0.11	0.739	0.95	1.02	0.313	-0.01	0.91	0.341	
217	MC	927	201	-0.19	1.18	0.278	-0.45	0.43	0.510	0.00	0.15	0.694	
218	MC	825	334	0.00	0.00	0.995	-0.45	0.24	0.627	0.01	0.28	0.596	
219	MC	825	334	-0.09	0.30	0.582	-0.65	1.53	0.217	0.01	1.26	0.261	
220	MC	825	334	-0.42	8.50	0.004	-0.42	0.58	0.445	0.00	0.00	0.996	
221	MC	825	334	0.17	0.52	0.470	-0.64	0.71	0.399	0.02	1.26	0.261	
222	MC	825	334	0.21	1.92	0.166	1.39	3.66	0.056	-0.02	2.75	0.097	Uniform<
223	MC	825	334	-0.05	0.07	0.787	0.30	0.23	0.632	-0.01	0.35	0.555	
224	MC	825	334	-0.09	0.35	0.555	0.23	0.16	0.687	0.00	0.34	0.560	
225	MC	825	334	-0.22	1.36	0.243	0.33	0.34	0.562	-0.01	1.01	0.314	
226	MC	825	334	-0.08	0.17	0.678	-0.59	0.79	0.374	0.01	0.64	0.422	
227	MC	825	334	0.13	0.90	0.343	0.85	2.42	0.120	-0.01	1.86	0.172	
228	MC	825	334	-0.24	3.21	0.073	0.31	0.42	0.516	-0.01	1.45	0.229	

Note: MC= Multiple-choice Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.272: Logistic Regression DIF Results on Stage V Speaking Items for the Female/Male Comparison**

Focal Group: Female; Reference Group: Male													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
229	SA4	1477	1835	-0.15	5.30	0.021	-0.20	0.56	0.453	0.00	0.04	0.843	Uniform<
230	SA4	1477	1835	-0.18	7.42	0.006	-0.10	0.09	0.767	0.00	0.06	0.808	
231	SA4	398	527	-0.13	1.19	0.275	-0.51	0.91	0.339	0.01	0.52	0.469	
232	SA4	398	527	-0.30	5.79	0.016	-1.21	4.97	0.026	0.01	2.96	0.085	Uniform<
233	SA4	398	527	-0.29	5.56	0.018	-0.55	1.07	0.300	0.00	0.26	0.609	
234	SA4	398	527	-0.04	0.08	0.777	-0.54	1.00	0.317	0.01	0.92	0.337	
235	SA4	398	527	0.13	0.98	0.321	0.36	0.43	0.511	0.00	0.19	0.665	Uniform<
236	SA4	398	527	0.15	1.35	0.245	-0.32	0.34	0.560	0.01	0.77	0.379	
237	SA4	367	458	-0.37	7.76	0.005	-0.71	1.97	0.161	0.01	0.49	0.484	
238	SA4	367	458	-0.23	3.01	0.083	-1.66	9.08	0.003	0.02	7.22	0.007	NonUniform
239	SA4	367	458	-0.41	9.39	0.002	-0.59	1.20	0.273	0.00	0.12	0.728	Uniform<
240	SA4	367	458	-0.35	6.64	0.010	-0.55	1.16	0.282	0.00	0.17	0.682	Uniform<
241	SA4	367	458	-0.35	6.98	0.008	-1.06	3.58	0.058	0.01	1.68	0.194	Uniform<
242	SA4	367	458	-0.21	2.43	0.119	-0.55	1.13	0.287	0.01	0.46	0.496	Uniform<
243	SA4	377	407	-0.17	1.46	0.227	-0.44	0.52	0.471	0.00	0.20	0.654	
244	SA4	377	407	-0.36	6.76	0.009	-0.64	1.14	0.286	0.00	0.24	0.625	
245	SA4	377	407	0.09	0.40	0.528	0.46	0.52	0.472	-0.01	0.35	0.551	Uniform<
246	SA4	377	407	-0.21	2.08	0.149	-0.51	0.68	0.409	0.00	0.26	0.613	
247	SA4	377	407	-0.44	9.42	0.002	-0.52	0.72	0.397	0.00	0.02	0.895	
248	SA4	377	407	-0.25	3.46	0.063	0.07	0.01	0.910	0.00	0.28	0.600	Uniform<
249	SA4	377	407	0.18	1.61	0.205	-0.93	2.41	0.121	0.02	3.60	0.058	
250	SA4	335	443	0.09	0.40	0.528	0.91	2.21	0.137	-0.01	1.89	0.170	
251	SA4	335	443	-0.42	8.86	0.003	0.37	0.38	0.539	-0.01	1.79	0.181	Uniform<
252	SA4	335	443	-0.35	5.91	0.015	-0.32	0.26	0.612	0.00	0.00	0.965	Uniform<
253	SA4	335	443	-0.21	2.16	0.142	0.05	0.01	0.933	0.00	0.17	0.678	
254	SA4	335	443	-0.46	9.38	0.002	0.55	0.77	0.379	-0.02	2.79	0.095	
255	SA4	335	443	0.02	0.03	0.874	-0.08	0.02	0.902	0.00	0.03	0.868	Uniform<
256	SA4	1477	1835	-0.48	52.36	0.000	-0.51	2.21	0.138	0.00	0.00	0.947	
257	SA4	398	527	-0.24	3.44	0.064	-0.73	1.50	0.220	0.01	0.71	0.400	
258	SA4	367	458	-0.80	36.79	0.000	-0.68	1.44	0.230	0.00	0.05	0.818	Uniform<
259	SA4	335	443	-0.68	24.57	0.000	-0.17	0.07	0.785	-0.01	0.77	0.382	Uniform<

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.273: Logistic Regression DIF Results on Stage V Speaking Items for the Hispanic/Non-Hispanic Comparison**

Focal Group: Hispanic; Reference Group: Non-Hispanic													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
229	SA4	2028	1285	0.09	1.81	0.178	0.36	1.73	0.188	0.00	1.01	0.314	
230	SA4	2028	1285	-0.20	8.49	0.004	-0.26	0.59	0.444	0.00	0.03	0.858	Uniform<
231	SA4	535	390	0.56	20.22	0.000	0.74	1.94	0.164	0.00	0.12	0.734	Uniform>
232	SA4	535	390	0.35	7.64	0.006	1.04	3.77	0.052	-0.01	1.77	0.183	Uniform>
233	SA4	535	390	0.13	1.10	0.295	0.30	0.32	0.574	0.00	0.11	0.743	
234	SA4	535	390	0.01	0.00	0.968	-0.02	0.00	0.974	0.00	0.00	0.965	
235	SA4	535	390	-0.24	3.30	0.069	-0.38	0.52	0.473	0.00	0.08	0.777	
236	SA4	535	390	-0.21	2.67	0.102	-0.24	0.20	0.656	0.00	0.00	0.959	
237	SA4	525	300	0.15	1.14	0.285	0.00	0.00	0.996	0.00	0.09	0.766	
238	SA4	525	300	0.05	0.12	0.731	0.25	0.22	0.642	0.00	0.15	0.695	
239	SA4	525	300	-0.06	0.19	0.659	0.00	0.00	0.995	0.00	0.01	0.910	
240	SA4	525	300	-0.42	8.61	0.003	-0.93	3.27	0.071	0.01	1.06	0.304	Uniform<
241	SA4	525	300	0.83	34.37	0.000	1.11	3.73	0.053	0.00	0.25	0.617	Uniform>
242	SA4	525	300	-0.09	0.37	0.543	0.19	0.14	0.713	0.00	0.31	0.578	
243	SA4	467	317	0.46	9.49	0.002	1.82	8.37	0.004	-0.02	4.91	0.027	Uniform>
244	SA4	467	317	0.57	16.28	0.000	1.48	5.63	0.018	-0.01	2.23	0.136	Uniform>
245	SA4	467	317	-0.11	0.55	0.456	0.85	1.77	0.183	-0.02	2.36	0.124	
246	SA4	467	317	0.29	3.87	0.049	0.72	1.32	0.250	-0.01	0.50	0.477	
247	SA4	467	317	-0.08	0.33	0.568	0.10	0.02	0.875	0.00	0.09	0.761	
248	SA4	467	317	0.29	4.52	0.034	0.50	0.65	0.419	0.00	0.12	0.728	
249	SA4	467	317	0.05	0.13	0.722	0.78	1.68	0.195	-0.01	1.56	0.212	
250	SA4	501	278	0.42	7.96	0.005	2.42	16.03	0.000	-0.03	11.66	0.001	NonUniform
251	SA4	501	278	0.25	3.04	0.081	1.49	6.20	0.013	-0.02	4.58	0.032	
252	SA4	501	278	-0.28	3.73	0.053	-1.62	7.15	0.008	0.02	5.19	0.023	
253	SA4	501	278	-0.07	0.22	0.639	0.40	0.41	0.520	-0.01	0.60	0.440	
254	SA4	501	278	0.22	2.14	0.144	0.84	1.88	0.170	-0.01	1.09	0.297	
255	SA4	501	278	0.06	0.15	0.697	-0.51	0.74	0.389	0.01	0.98	0.321	
256	SA4	2028	1285	0.13	3.88	0.049	0.82	5.71	0.017	-0.01	4.18	0.041	
257	SA4	535	390	0.40	9.78	0.002	-0.46	0.62	0.433	0.01	2.24	0.134	Uniform>
258	SA4	525	300	-0.27	3.84	0.050	-0.54	0.95	0.331	0.00	0.26	0.611	
259	SA4	501	278	0.01	0.01	0.917	-0.71	1.48	0.224	0.01	1.65	0.199	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.274: Logistic Regression DIF Results on Stage V Speaking Items for the American Indian/Non-American Indian Comparison**

Focal Group: American Indian; Reference Group: Non-American Indian													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
229	SA4	157	3156	0.46	8.69	0.003	1.88	5.76	0.016	-0.02	3.39	0.066	Uniform>
230	SA4	157	3156	0.25	2.76	0.097	-0.22	0.06	0.805	0.01	0.30	0.587	
231	SA4	38	887	0.55	3.17	0.075	3.28	3.82	0.051	-0.04	2.71	0.099	
232	SA4	38	887	0.85	7.17	0.007	1.43	0.72	0.397	-0.01	0.12	0.732	Uniform>
233	SA4	38	887	-0.14	0.20	0.654	-2.14	1.51	0.219	0.03	1.42	0.233	
234	SA4	38	887	-0.44	1.95	0.163	0.30	0.03	0.858	-0.01	0.19	0.659	
235	SA4	38	887	0.04	0.01	0.908	-1.12	0.43	0.513	0.02	0.46	0.498	
236	SA4	38	887	0.00	0.00	0.988	-2.22	1.64	0.201	0.03	1.69	0.194	
237	SA4	39	786	0.22	0.51	0.474	2.23	1.83	0.176	-0.03	1.53	0.217	
238	SA4	39	786	0.10	0.09	0.758	-2.11	1.54	0.214	0.03	1.76	0.184	
239	SA4	39	786	0.05	0.03	0.871	1.93	1.41	0.236	-0.03	1.34	0.246	
240	SA4	39	786	-0.36	1.28	0.258	2.39	2.07	0.150	-0.04	2.93	0.087	
241	SA4	39	786	-0.23	0.56	0.453	-0.03	0.00	0.987	0.00	0.02	0.901	
242	SA4	39	786	-0.06	0.04	0.841	-1.10	0.44	0.509	0.02	0.41	0.524	
243	SA4	42	742	0.21	0.41	0.520	-0.70	0.21	0.643	0.01	0.37	0.542	
244	SA4	42	742	0.92	9.01	0.003	3.98	7.01	0.008	-0.05	4.37	0.037	Uniform>
245	SA4	42	742	-0.04	0.01	0.908	-1.73	1.12	0.290	0.03	1.11	0.293	
246	SA4	42	742	0.29	0.85	0.357	-2.16	1.90	0.168	0.04	2.57	0.109	
247	SA4	42	742	0.03	0.01	0.927	1.54	1.04	0.307	-0.02	1.06	0.302	
248	SA4	42	742	-0.16	0.31	0.575	-0.20	0.02	0.893	0.00	0.00	0.979	
249	SA4	42	742	-0.37	1.49	0.222	-0.83	0.31	0.577	0.01	0.10	0.753	
250	SA4	38	741	-0.09	0.08	0.783	2.83	2.43	0.119	-0.05	2.72	0.099	
251	SA4	38	741	1.26	15.03	0.000	-2.87	2.18	0.140	0.07	4.55	0.033	Uniform>
252	SA4	38	741	0.66	4.25	0.039	0.01	0.00	0.997	0.01	0.14	0.703	
253	SA4	38	741	0.29	0.81	0.368	-3.37	3.39	0.066	0.06	4.17	0.041	
254	SA4	38	741	-0.33	1.04	0.308	-2.54	1.95	0.162	0.04	1.57	0.210	
255	SA4	38	741	-0.20	0.36	0.548	-5.11	7.71	0.005	0.08	7.41	0.006	NonUniform
256	SA4	157	3156	0.46	9.42	0.002	-0.33	0.15	0.703	0.01	0.88	0.348	Uniform>
257	SA4	38	887	0.89	6.32	0.012	0.55	0.09	0.766	0.00	0.03	0.854	
258	SA4	39	786	0.69	5.27	0.022	-0.70	0.17	0.677	0.02	0.71	0.399	
259	SA4	38	741	0.58	3.64	0.056	1.80	1.14	0.286	-0.02	0.53	0.466	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.275: Logistic Regression DIF Results on Stage V Speaking Items for the Special Education/Non-Special Education Comparison**

Focal Group: Special Education; Reference Group: Non-Special Education													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
229	SA4	566	2747	1.31	201.54	0.000	2.16	24.52	0.000	-0.01	4.03	0.045	Uniform>
230	SA4	566	2747	0.94	114.27	0.000	2.12	22.22	0.000	-0.02	7.16	0.007	NonUniform
231	SA4	163	762	0.91	31.17	0.000	1.01	1.58	0.209	0.00	0.01	0.903	Uniform>
232	SA4	163	762	0.83	25.34	0.000	2.54	10.14	0.001	-0.03	4.74	0.030	Uniform>
233	SA4	163	762	0.52	10.82	0.001	-1.08	1.86	0.173	0.02	4.25	0.039	Uniform>
234	SA4	163	762	0.55	11.14	0.001	1.40	3.03	0.082	-0.01	1.17	0.279	Uniform>
235	SA4	163	762	-0.29	2.98	0.084	-2.47	9.33	0.002	0.03	7.65	0.006	NonUniform
236	SA4	163	762	0.18	1.19	0.276	-0.24	0.09	0.766	0.01	0.29	0.590	
237	SA4	100	725	1.53	52.91	0.000	1.62	2.58	0.108	0.00	0.01	0.929	Uniform>
238	SA4	100	725	0.58	8.32	0.004	-0.84	0.76	0.384	0.02	2.24	0.134	Uniform>
239	SA4	100	725	-0.01	0.00	0.971	-1.28	1.70	0.193	0.02	1.81	0.178	
240	SA4	100	725	0.68	10.50	0.001	-0.67	0.48	0.487	0.02	2.07	0.151	Uniform>
241	SA4	100	725	0.54	7.23	0.007	0.42	0.18	0.668	0.00	0.02	0.895	Uniform>
242	SA4	100	725	0.16	0.63	0.429	0.18	0.04	0.849	0.00	0.00	0.982	
243	SA4	154	630	1.16	38.11	0.000	1.00	1.34	0.247	0.00	0.04	0.850	Uniform>
244	SA4	154	630	1.69	83.89	0.000	1.96	5.18	0.023	0.00	0.10	0.748	Uniform>
245	SA4	154	630	0.04	0.06	0.805	-0.74	0.74	0.390	0.01	0.88	0.348	
246	SA4	154	630	0.63	12.01	0.001	-0.23	0.07	0.787	0.01	1.13	0.287	Uniform>
247	SA4	154	630	0.86	21.46	0.000	-0.13	0.02	0.880	0.02	1.47	0.226	Uniform>
248	SA4	154	630	0.76	20.63	0.000	1.25	2.36	0.125	-0.01	0.38	0.538	Uniform>
249	SA4	154	630	0.03	0.02	0.875	-0.38	0.21	0.646	0.01	0.26	0.608	
250	SA4	149	630	1.17	37.68	0.000	2.92	9.27	0.002	-0.03	3.45	0.063	Uniform>
251	SA4	149	630	1.73	83.28	0.000	0.64	0.43	0.514	0.02	1.25	0.264	Uniform>
252	SA4	149	630	0.44	6.12	0.013	0.12	0.02	0.891	0.01	0.12	0.727	
253	SA4	149	630	0.09	0.25	0.620	2.30	5.76	0.016	-0.04	5.62	0.018	
254	SA4	149	630	0.52	7.70	0.006	1.16	1.55	0.214	-0.01	0.49	0.484	Uniform>
255	SA4	149	630	-0.05	0.08	0.773	0.35	0.14	0.705	-0.01	0.20	0.655	
256	SA4	566	2747	1.13	169.92	0.000	1.37	9.30	0.002	0.00	0.29	0.593	Uniform>
257	SA4	163	762	1.81	87.54	0.000	2.79	9.78	0.002	-0.02	1.23	0.267	Uniform>
258	SA4	100	725	0.62	10.24	0.001	1.35	2.07	0.150	-0.01	0.62	0.430	Uniform>
259	SA4	149	630	0.36	4.45	0.035	0.92	1.12	0.290	-0.01	0.44	0.505	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.276: Logistic Regression DIF Results on Stage V Speaking Items for the Spanish/Non-Spanish Comparison**

Focal Group: Spanish; Reference Group: Non-Spanish													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
229	SA4	1807	1506	-0.12	3.18	0.075	-0.57	4.53	0.033	0.01	3.04	0.081	Uniform<
230	SA4	1807	1506	-0.24	12.96	0.000	-0.75	4.92	0.027	0.01	2.35	0.125	
231	SA4	463	462	0.50	16.20	0.000	0.40	0.58	0.445	0.00	0.03	0.858	Uniform>
232	SA4	463	462	0.25	4.08	0.043	0.82	2.37	0.123	-0.01	1.21	0.271	
233	SA4	463	462	-0.06	0.29	0.590	-0.21	0.17	0.684	0.00	0.09	0.770	
234	SA4	463	462	-0.04	0.08	0.775	-0.01	0.00	0.992	0.00	0.00	0.953	
235	SA4	463	462	-0.15	1.39	0.239	-0.02	0.00	0.972	0.00	0.07	0.798	
236	SA4	463	462	-0.14	1.25	0.263	-0.09	0.03	0.861	0.00	0.01	0.925	
237	SA4	469	356	0.06	0.18	0.676	-0.87	2.97	0.085	0.01	3.61	0.058	
238	SA4	469	356	0.00	0.00	0.985	0.18	0.11	0.740	0.00	0.12	0.728	
239	SA4	469	356	0.06	0.18	0.669	0.25	0.22	0.638	0.00	0.14	0.706	Uniform<
240	SA4	469	356	-0.36	7.07	0.008	-1.30	6.44	0.011	0.02	3.61	0.057	
241	SA4	469	356	0.71	27.30	0.000	0.93	2.71	0.099	0.00	0.16	0.693	Uniform>
242	SA4	469	356	0.09	0.44	0.509	-0.03	0.00	0.950	0.00	0.06	0.806	
243	SA4	384	400	0.10	0.44	0.508	0.80	1.65	0.199	-0.01	1.34	0.247	
244	SA4	384	400	0.27	3.74	0.053	0.62	1.01	0.314	-0.01	0.35	0.557	
245	SA4	384	400	-0.09	0.41	0.521	0.40	0.39	0.532	-0.01	0.61	0.433	
246	SA4	384	400	0.14	1.01	0.314	0.57	0.83	0.363	-0.01	0.49	0.486	
247	SA4	384	400	-0.21	2.12	0.146	-0.44	0.52	0.473	0.00	0.15	0.695	
248	SA4	384	400	0.29	4.66	0.031	0.15	0.06	0.807	0.00	0.05	0.822	
249	SA4	384	400	0.05	0.14	0.710	0.11	0.03	0.857	0.00	0.01	0.923	
250	SA4	491	288	-0.24	2.69	0.101	-0.88	1.89	0.169	0.01	1.04	0.308	
251	SA4	491	288	-0.11	0.58	0.447	-0.02	0.00	0.977	0.00	0.02	0.885	
252	SA4	491	288	-0.32	4.81	0.028	-0.31	0.22	0.636	0.00	0.00	0.991	
253	SA4	491	288	-0.07	0.24	0.626	-0.56	0.69	0.408	0.01	0.55	0.457	
254	SA4	491	288	0.01	0.00	0.973	0.29	0.20	0.657	0.00	0.20	0.654	
255	SA4	491	288	0.13	0.71	0.398	-0.32	0.25	0.617	0.01	0.51	0.474	
256	SA4	1807	1506	0.07	1.02	0.313	0.44	1.70	0.192	-0.01	1.28	0.258	
257	SA4	463	462	0.16	1.67	0.197	-0.76	1.67	0.196	0.01	2.56	0.110	Uniform<
258	SA4	469	356	-0.34	6.72	0.010	-0.49	0.78	0.376	0.00	0.08	0.779	
259	SA4	491	288	-0.14	1.10	0.295	-0.96	2.35	0.125	0.01	1.80	0.179	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.



**Table F.277: Logistic Regression DIF Results on Stage V Speaking Items for the Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NonUni}$	Wald $\chi^2$	p-value	$\beta_2^{NonUni}$	Wald $\chi^2$	p-value	
229	SA4	1807	662	-0.28	10.43	0.001	-0.84	5.27	0.022	0.01	2.53	0.112	Uniform<
230	SA4	1807	662	-0.16	3.50	0.061	-0.48	1.10	0.295	0.00	0.49	0.483	
231	SA4	463	172	0.04	0.06	0.800	0.69	0.80	0.370	-0.01	0.73	0.392	
232	SA4	463	172	-0.12	0.50	0.480	0.89	1.28	0.258	-0.01	1.71	0.191	
233	SA4	463	172	-0.27	2.83	0.092	-0.86	1.28	0.258	0.01	0.62	0.430	
234	SA4	463	172	-0.13	0.61	0.434	-0.05	0.00	0.950	0.00	0.01	0.914	
235	SA4	463	172	0.00	0.00	0.996	0.66	0.71	0.398	-0.01	0.76	0.382	
236	SA4	463	172	0.01	0.00	0.948	0.18	0.05	0.816	0.00	0.05	0.824	
237	SA4	469	129	-0.20	1.19	0.274	-1.10	2.10	0.147	0.01	1.48	0.224	
238	SA4	469	129	-0.13	0.51	0.474	-1.14	2.19	0.139	0.02	1.84	0.175	
239	SA4	469	129	-0.07	0.14	0.713	0.99	1.47	0.225	-0.02	1.83	0.176	Uniform<
240	SA4	469	129	-0.22	1.29	0.256	-2.08	7.46	0.006	0.03	6.49	0.011	
241	SA4	469	129	0.17	0.79	0.374	0.01	0.00	0.993	0.00	0.04	0.833	
242	SA4	469	129	0.26	1.90	0.168	-0.54	0.49	0.483	0.01	1.19	0.275	
243	SA4	384	232	-0.15	0.76	0.384	0.68	0.89	0.345	-0.01	1.39	0.239	
244	SA4	384	232	0.11	0.47	0.491	0.36	0.26	0.610	0.00	0.13	0.717	
245	SA4	384	232	-0.10	0.42	0.518	0.14	0.03	0.854	0.00	0.11	0.737	
246	SA4	384	232	0.24	1.99	0.158	1.12	2.34	0.126	-0.01	1.55	0.214	
247	SA4	384	232	-0.11	0.41	0.523	-0.02	0.00	0.974	0.00	0.01	0.905	
248	SA4	384	232	0.14	0.88	0.349	-0.06	0.01	0.934	0.00	0.09	0.769	
249	SA4	384	232	-0.02	0.01	0.911	0.14	0.04	0.838	0.00	0.06	0.813	Uniform<
250	SA4	491	129	-0.60	9.11	0.003	-1.81	3.97	0.046	0.02	1.82	0.177	
251	SA4	491	129	-0.75	14.97	0.000	0.37	0.16	0.685	-0.02	1.54	0.214	
252	SA4	491	129	-0.54	7.74	0.005	0.69	0.57	0.450	-0.02	1.88	0.171	
253	SA4	491	129	0.21	1.19	0.276	0.65	0.48	0.490	-0.01	0.23	0.628	
254	SA4	491	129	-0.04	0.05	0.828	0.87	0.91	0.340	-0.01	1.06	0.304	
255	SA4	491	129	0.19	0.89	0.347	1.00	1.22	0.268	-0.01	0.86	0.354	
256	SA4	1807	662	-0.11	1.83	0.176	0.41	0.83	0.361	-0.01	1.42	0.233	
257	SA4	463	172	-0.56	9.50	0.002	-0.91	1.12	0.290	0.01	0.17	0.683	
258	SA4	469	129	-0.23	1.54	0.214	-0.08	0.01	0.925	0.00	0.04	0.851	
259	SA4	491	129	-0.34	3.56	0.059	0.61	0.47	0.493	-0.01	1.20	0.272	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.278: Logistic Regression DIF Results on Stage V Speaking Items for the Non-Spanish/English Comparison**

Focal Group: Spanish; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
229	SA4	844	662	-0.30	9.19	0.002	-0.46	1.27	0.260	0.00	0.16	0.690	Uniform<
230	SA4	844	662	0.14	1.95	0.163	0.42	0.71	0.399	0.00	0.33	0.565	
231	SA4	290	172	-0.71	15.32	0.000	0.55	0.47	0.494	-0.02	2.54	0.111	Uniform<
232	SA4	290	172	-0.61	10.86	0.001	0.17	0.04	0.837	-0.01	0.93	0.336	Uniform<
233	SA4	290	172	-0.37	4.28	0.039	-1.02	1.64	0.200	0.01	0.70	0.404	
234	SA4	290	172	-0.16	0.76	0.382	0.04	0.00	0.958	0.00	0.07	0.798	
235	SA4	290	172	0.26	1.80	0.180	1.04	1.60	0.206	-0.01	0.96	0.326	
236	SA4	290	172	0.27	1.94	0.164	0.33	0.16	0.693	0.00	0.01	0.941	
237	SA4	227	129	-0.49	5.30	0.021	-0.36	0.20	0.652	0.00	0.03	0.870	
238	SA4	227	129	-0.20	0.87	0.350	-1.98	5.73	0.017	0.03	4.99	0.026	
239	SA4	227	129	-0.16	0.62	0.433	1.02	1.48	0.224	-0.02	2.15	0.143	
240	SA4	227	129	0.19	0.76	0.384	-1.24	2.42	0.120	0.02	3.50	0.061	
241	SA4	227	129	-0.85	15.55	0.000	-1.09	1.50	0.221	0.00	0.07	0.786	Uniform<
242	SA4	227	129	0.25	1.37	0.241	-0.89	1.27	0.260	0.02	2.26	0.133	
243	SA4	168	232	-0.63	9.23	0.002	-0.58	0.50	0.478	0.00	0.00	0.948	Uniform<
244	SA4	168	232	-0.38	3.77	0.052	-0.61	0.57	0.452	0.00	0.09	0.768	
245	SA4	168	232	-0.07	0.12	0.729	-0.63	0.52	0.470	0.01	0.44	0.509	
246	SA4	168	232	0.24	1.37	0.241	1.29	2.40	0.121	-0.02	1.71	0.191	
247	SA4	168	232	0.30	2.06	0.151	0.93	1.29	0.257	-0.01	0.65	0.422	
248	SA4	168	232	-0.31	2.75	0.097	-0.57	0.46	0.498	0.00	0.10	0.754	
249	SA4	168	232	-0.15	0.59	0.441	0.00	0.00	0.995	0.00	0.04	0.840	
250	SA4	159	129	-0.69	8.20	0.004	-2.00	3.16	0.075	0.02	1.39	0.238	Uniform<
251	SA4	159	129	-1.02	19.59	0.000	0.75	0.49	0.482	-0.03	2.86	0.091	Uniform<
252	SA4	159	129	-0.43	3.32	0.068	1.87	2.79	0.095	-0.04	4.41	0.036	
253	SA4	159	129	0.52	4.99	0.026	2.63	4.47	0.035	-0.03	3.03	0.082	
254	SA4	159	129	-0.09	0.13	0.722	1.01	0.86	0.354	-0.02	1.06	0.304	
255	SA4	159	129	0.12	0.26	0.611	2.58	5.36	0.021	-0.04	5.09	0.024	
256	SA4	844	662	-0.32	10.63	0.001	0.00	0.00	0.999	0.00	0.42	0.519	Uniform<
257	SA4	290	172	-1.18	37.43	0.000	-0.12	0.02	0.892	-0.02	1.47	0.225	Uniform<
258	SA4	227	129	0.19	0.88	0.348	0.54	0.40	0.529	-0.01	0.18	0.674	
259	SA4	159	129	-0.38	2.99	0.084	2.58	5.89	0.015	-0.05	8.11	0.004	NonUniform

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.279: Logistic Regression DIF Results on Stage V Speaking Items for the American Indian Language/English Comparison**

Focal Group: American Indian Language; Reference Group: English													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
229	SA4	50	662	0.60	4.63	0.031	2.26	2.78	0.096	-0.03	1.57	0.210	
230	SA4	50	662	0.14	0.26	0.607	1.15	0.61	0.435	-0.02	0.48	0.490	
231	SA4	7	172	-0.26	0.13	0.714	2.08	0.31	0.577	-0.03	0.43	0.514	
232	SA4	7	172	0.35	0.23	0.632	10.02	6.34	0.012	-0.13	5.74	0.017	
233	SA4	7	172	0.23	0.11	0.742	-10.24	3.99	0.046	0.15	3.87	0.049	
234	SA4	7	172	-1.34	3.36	0.067	2.05	0.29	0.590	-0.05	0.88	0.349	
235	SA4	7	172	-0.86	1.32	0.250	-7.83	3.94	0.047	0.09	3.17	0.075	
236	SA4	7	172	0.03	0.00	0.964	-5.25	1.80	0.180	0.07	1.75	0.186	
237	SA4	16	129	1.03	3.85	0.050	3.96	1.83	0.176	-0.04	1.08	0.300	
238	SA4	16	129	0.16	0.10	0.746	-5.18	2.24	0.134	0.08	2.41	0.121	
239	SA4	16	129	-0.74	2.24	0.134	-0.21	0.00	0.946	-0.01	0.03	0.859	
240	SA4	16	129	-0.06	0.01	0.905	0.26	0.01	0.931	0.00	0.01	0.912	
241	SA4	16	129	-1.16	5.15	0.023	-3.97	1.10	0.295	0.04	0.57	0.452	
242	SA4	16	129	-0.65	1.64	0.200	-0.01	0.00	0.997	-0.01	0.05	0.825	
243	SA4	16	232	1.27	5.72	0.017	-0.40	0.03	0.855	0.03	0.56	0.453	
244	SA4	16	232	1.08	4.72	0.030	0.28	0.02	0.896	0.01	0.15	0.698	
245	SA4	16	232	-0.52	1.10	0.293	-3.51	1.47	0.225	0.05	1.13	0.288	
246	SA4	16	232	1.24	5.49	0.019	-0.10	0.00	0.961	0.02	0.42	0.519	
247	SA4	16	232	0.70	1.75	0.186	1.73	0.66	0.417	-0.02	0.25	0.620	
248	SA4	16	232	-0.10	0.04	0.841	-1.91	0.59	0.441	0.03	0.58	0.448	
249	SA4	16	232	-0.11	0.05	0.822	-0.11	0.00	0.956	0.00	0.00	0.999	
250	SA4	11	129	-0.12	0.04	0.845	-4.41	0.96	0.328	0.07	0.93	0.334	
251	SA4	11	129	0.89	2.16	0.142	-0.28	0.00	0.950	0.02	0.07	0.788	
252	SA4	11	129	-0.09	0.02	0.877	1.53	0.12	0.725	-0.03	0.15	0.703	
253	SA4	11	129	0.89	2.15	0.143	-7.17	2.24	0.135	0.13	2.84	0.092	
254	SA4	11	129	-0.16	0.06	0.800	3.93	0.79	0.373	-0.07	0.89	0.346	
255	SA4	11	129	0.22	0.13	0.721	-1.14	0.07	0.797	0.02	0.10	0.751	
256	SA4	50	662	0.21	0.58	0.448	1.96	1.97	0.161	-0.03	1.60	0.206	
257	SA4	7	172	-1.18	2.50	0.114	-1.98	0.24	0.621	0.01	0.04	0.841	
258	SA4	16	129	0.82	2.71	0.100	-1.28	0.17	0.681	0.03	0.48	0.490	
259	SA4	11	129	0.27	0.22	0.641	8.81	4.13	0.042	-0.14	4.07	0.044	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.280: Logistic Regression DIF Results on Stage V Speaking Items for the ELL/Non-ELL Comparison**

Focal Group: ELL; Reference Group: Non-ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
229	SA4	3313	1623	0.17	7.76	0.005	1.56	56.73	0.000	-0.02	49.31	0.000	NonUniform
230	SA4	3313	1623	0.46	49.56	0.000	-0.21	0.62	0.431	0.01	6.81	0.009	NonUniform
231	SA4	925	390	-0.26	4.58	0.032	0.55	1.88	0.170	-0.01	4.46	0.035	
232	SA4	925	390	-0.14	1.38	0.240	-0.10	0.06	0.814	0.00	0.01	0.904	
233	SA4	925	390	-0.16	1.91	0.167	0.27	0.42	0.517	-0.01	1.22	0.270	
234	SA4	925	390	0.31	6.51	0.011	1.19	7.68	0.006	-0.01	4.59	0.032	
235	SA4	925	390	0.30	6.15	0.013	1.50	13.51	0.000	-0.02	9.61	0.002	NonUniform
236	SA4	925	390	0.39	10.15	0.001	1.04	6.28	0.012	-0.01	2.73	0.099	Uniform>
237	SA4	825	491	-0.01	0.02	0.898	0.19	0.31	0.579	0.00	0.40	0.529	
238	SA4	825	491	0.10	0.77	0.380	1.04	6.91	0.009	-0.01	6.21	0.013	
239	SA4	825	491	-0.08	0.55	0.460	0.32	0.76	0.383	-0.01	1.36	0.243	
240	SA4	825	491	0.33	8.05	0.005	1.13	9.80	0.002	-0.01	5.59	0.018	Uniform>
241	SA4	825	491	0.05	0.15	0.701	0.72	3.31	0.069	-0.01	3.22	0.073	
242	SA4	825	491	0.55	22.04	0.000	1.16	10.13	0.001	-0.01	3.17	0.075	Uniform>
243	SA4	784	350	-0.12	0.70	0.403	1.24	5.27	0.022	-0.02	6.76	0.009	NonUniform
244	SA4	784	350	-0.26	3.44	0.064	-1.03	3.67	0.055	0.01	2.20	0.138	
245	SA4	784	350	-0.27	3.72	0.054	-0.50	0.89	0.345	0.00	0.20	0.656	
246	SA4	784	350	0.09	0.37	0.545	-0.80	2.38	0.123	0.01	3.17	0.075	
247	SA4	784	350	0.16	1.23	0.268	0.70	1.82	0.177	-0.01	1.21	0.272	
248	SA4	784	350	-0.01	0.00	0.944	-0.66	1.64	0.200	0.01	1.71	0.191	
249	SA4	784	350	0.25	3.46	0.063	0.52	1.05	0.305	0.00	0.29	0.589	
250	SA4	779	392	0.04	0.09	0.770	0.94	4.49	0.034	-0.01	4.52	0.033	
251	SA4	779	392	0.16	1.61	0.205	1.27	7.88	0.005	-0.02	6.53	0.011	
252	SA4	779	392	-0.18	2.02	0.155	0.11	0.05	0.816	0.00	0.45	0.502	
253	SA4	779	392	0.79	36.33	0.000	-0.57	1.44	0.231	0.02	8.96	0.003	NonUniform
254	SA4	779	392	0.33	6.12	0.013	0.80	3.20	0.073	-0.01	1.23	0.268	
255	SA4	779	392	0.28	4.58	0.032	0.60	1.94	0.164	0.00	0.62	0.430	
256	SA4	3313	1623	-0.03	0.25	0.617	0.86	9.90	0.002	-0.01	11.44	0.001	NonUniform
257	SA4	925	390	0.02	0.02	0.884	1.20	4.95	0.026	-0.02	5.18	0.023	
258	SA4	825	491	0.08	0.47	0.493	0.02	0.00	0.965	0.00	0.03	0.870	
259	SA4	779	392	0.24	3.83	0.050	0.37	0.71	0.399	0.00	0.10	0.751	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.281: Logistic Regression DIF Results on Stage V Speaking Items for the FEP/ELL Comparison**

Focal Group: FEP; Reference Group: ELL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald $\chi^2$	p-value	$\beta_1^{NUni}$	Wald $\chi^2$	p-value	$\beta_2^{NUni}$	Wald $\chi^2$	p-value	
229	SA4	117	3313	0.32	2.99	0.084	0.98	0.44	0.507	-0.01	0.20	0.654	
230	SA4	117	3313	0.05	0.09	0.761	-0.02	0.00	0.986	0.00	0.00	0.956	
231	SA4	30	925	0.05	0.02	0.888	0.53	0.03	0.853	-0.01	0.03	0.864	
232	SA4	30	925	0.34	0.87	0.351	0.88	0.09	0.761	-0.01	0.04	0.850	
233	SA4	30	925	0.81	5.15	0.023	1.55	0.28	0.596	-0.01	0.07	0.798	
234	SA4	30	925	0.76	4.29	0.038	1.36	0.20	0.653	-0.01	0.04	0.842	
235	SA4	30	925	-0.16	0.19	0.662	1.23	0.17	0.677	-0.02	0.22	0.637	
236	SA4	30	925	-0.57	2.37	0.124	-1.86	0.41	0.522	0.02	0.20	0.653	
237	SA4	34	825	0.17	0.25	0.621	2.07	0.81	0.369	-0.02	0.67	0.411	
238	SA4	34	825	0.00	0.00	0.992	4.29	3.52	0.061	-0.05	3.52	0.061	
239	SA4	34	825	-0.49	2.08	0.149	-2.20	0.94	0.333	0.02	0.57	0.451	
240	SA4	34	825	0.42	1.38	0.240	-1.78	0.57	0.448	0.03	0.89	0.347	
241	SA4	34	825	0.28	0.64	0.424	-5.13	4.72	0.030	0.07	5.30	0.021	
242	SA4	34	825	-0.05	0.02	0.891	-3.36	2.14	0.144	0.04	2.11	0.146	
243	SA4	23	784	-0.08	0.04	0.851	-1.43	0.18	0.670	0.02	0.16	0.685	
244	SA4	23	784	-0.39	0.90	0.344	2.96	0.83	0.361	-0.04	1.08	0.299	
245	SA4	23	784	-0.09	0.04	0.835	5.25	2.33	0.127	-0.07	2.42	0.120	
246	SA4	23	784	-0.18	0.15	0.695	1.32	0.15	0.697	-0.02	0.20	0.654	
247	SA4	23	784	-0.40	0.83	0.361	3.63	1.09	0.296	-0.05	1.34	0.247	
248	SA4	23	784	0.09	0.05	0.822	1.33	0.18	0.670	-0.02	0.16	0.690	
249	SA4	23	784	-0.66	2.54	0.111	-0.99	0.09	0.763	0.00	0.01	0.919	
250	SA4	30	779	-0.24	0.39	0.534	6.48	2.88	0.090	-0.08	3.08	0.079	
251	SA4	30	779	0.48	1.68	0.194	0.52	0.02	0.890	0.00	0.00	0.992	
252	SA4	30	779	0.43	1.27	0.259	4.68	1.45	0.229	-0.05	1.21	0.271	
253	SA4	30	779	-0.86	5.82	0.016	0.80	0.05	0.823	-0.02	0.21	0.645	
254	SA4	30	779	0.35	0.73	0.394	-1.55	0.15	0.694	0.02	0.23	0.629	
255	SA4	30	779	-0.07	0.03	0.865	-6.20	2.76	0.096	0.08	2.66	0.103	
256	SA4	117	3313	-0.10	0.31	0.579	-3.05	4.08	0.043	0.04	3.85	0.050	
257	SA4	30	925	0.79	3.07	0.080	1.36	0.14	0.704	-0.01	0.02	0.874	
258	SA4	34	825	-0.14	0.18	0.668	0.01	0.00	0.995	0.00	0.00	0.944	
259	SA4	30	779	-0.23	0.46	0.499	-0.87	0.06	0.804	0.01	0.03	0.857	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

**Table F.282: Logistic Regression DIF Results on Stage V Speaking Items for the FRL/Non-FRL Comparison**

Focal Group: FRL; Reference Group: Non-FRL													
Item	Item Type	NF	NR	Uniform DIF			Non-uniform DIF						Flag
				$\beta_1^{Uni}$	Wald	p-value	$\beta_1^{NUni}$	Wald	p-value	$\beta_2^{NUni}$	Wald	p-value	
				$\chi^2$				$\chi^2$					
229	SA4	3955	913	0.14	3.71	0.054	0.60	5.82	0.016	-0.01	3.75	0.053	Uniform>
230	SA4	3955	913	0.35	23.54	0.000	0.14	0.25	0.616	0.00	0.53	0.466	
231	SA4	1076	220	-0.07	0.23	0.631	0.81	2.65	0.103	-0.01	3.38	0.066	
232	SA4	1076	220	-0.04	0.08	0.778	-0.50	1.07	0.301	0.01	1.00	0.318	
233	SA4	1076	220	0.00	0.00	0.977	0.35	0.48	0.488	0.00	0.54	0.462	
234	SA4	1076	220	0.15	1.14	0.287	0.42	0.69	0.406	0.00	0.31	0.579	
235	SA4	1076	220	0.37	6.58	0.010	0.73	2.29	0.130	-0.01	0.64	0.425	
236	SA4	1076	220	0.23	2.56	0.109	0.03	0.00	0.952	0.00	0.18	0.667	
237	SA4	1127	158	0.04	0.05	0.832	-0.20	0.12	0.730	0.00	0.19	0.666	
238	SA4	1127	158	0.13	0.57	0.450	1.04	2.63	0.105	-0.01	2.22	0.136	
239	SA4	1127	158	0.05	0.08	0.777	0.53	0.81	0.368	-0.01	0.76	0.384	Uniform>
240	SA4	1127	158	-0.12	0.50	0.481	-0.04	0.01	0.942	0.00	0.02	0.883	
241	SA4	1127	158	0.29	2.85	0.091	1.55	5.55	0.018	-0.02	3.91	0.048	
242	SA4	1127	158	0.56	10.81	0.001	0.34	0.35	0.553	0.00	0.18	0.676	
243	SA4	927	201	0.07	0.17	0.677	1.28	4.64	0.031	-0.02	4.38	0.036	
244	SA4	927	201	0.08	0.26	0.611	-0.81	1.96	0.161	0.01	2.55	0.110	
245	SA4	927	201	-0.17	1.25	0.263	0.58	1.02	0.312	-0.01	1.89	0.169	
246	SA4	927	201	0.17	1.15	0.284	0.58	1.07	0.300	-0.01	0.59	0.441	
247	SA4	927	201	0.24	2.48	0.115	1.16	4.18	0.041	-0.01	2.86	0.091	
248	SA4	927	201	0.11	0.53	0.466	0.56	0.95	0.330	-0.01	0.66	0.416	
249	SA4	927	201	0.12	0.67	0.413	0.10	0.04	0.850	0.00	0.00	0.967	Uniform>
250	SA4	825	334	0.16	1.46	0.227	1.17	6.73	0.009	-0.02	5.46	0.019	
251	SA4	825	334	0.45	12.46	0.000	0.17	0.15	0.696	0.00	0.44	0.507	
252	SA4	825	334	-0.09	0.52	0.472	-0.45	1.08	0.299	0.01	0.76	0.384	
253	SA4	825	334	0.19	2.21	0.137	-0.05	0.01	0.914	0.00	0.30	0.587	
254	SA4	825	334	0.44	11.64	0.001	0.63	2.12	0.146	0.00	0.21	0.649	
255	SA4	825	334	0.17	1.70	0.192	0.14	0.10	0.747	0.00	0.01	0.940	
256	SA4	3955	913	0.16	4.80	0.028	0.45	2.06	0.151	0.00	0.92	0.339	
257	SA4	1076	220	0.24	2.28	0.131	0.92	1.90	0.168	-0.01	1.11	0.292	
258	SA4	1127	158	0.13	0.63	0.428	0.79	1.50	0.220	-0.01	1.12	0.291	
259	SA4	825	334	-0.11	0.79	0.374	0.51	1.38	0.240	-0.01	2.26	0.133	

Note: SA4=4 Point Short Answer Item, NF=Number of students in a focal group, NR=Number of students in a reference group, Uniform< favors reference group, Uniform> favors focal group, NonUniform: Non-uniform DIF, P-value of 0.000 means that it is smaller than 0.0005, Item number does not indicate item location on a field test form as all items on 4 field test forms were concurrently analyzed.

## Appendix G. AZELLA DATA ANALYSIS COMMITTEE MEETING (SEC. 7.1)

### AZELLA Data Analysis Committee Meeting for the Fall 2011 Field Test Items

March 15 - 16, 2012

Dr. Charles Bruen  
Arizona Department of Education

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### Introductions – ADE-Pearson-WestEd

#### WestEd Facilitators

- Stage II - Beverly Nedrow
- Stage II - Jan Austin Bayless
- Stage III - Joel Carino
- Stage III - Andrea Jachman
- Stage IV - Matt Rudolff
- Stage IV - James Bell
- Stage V - John Thorpe
- Stage V - Amy Snyder
- Christopher Wiggs

#### Pearson Staff

- Erica Baltierra
- Dr. Steven Fitzpatrick
- Dr. Hiro Fukuhara

#### ADE Staff

##### Assessment

- Marlene Johnston
- Dr. Charles Bruen
- Marilee Beach
- Stage II - Lee Scott
- Stage III - Kimlee Buttacavoli-Grant
- Stage IV - Linda Harvey
- Stage V - Irene Hunting

##### OELAS

- Adela Santa Cruz
- Stage II - Tammara Ragsdale
- Stage III - Keith Snyder
- Stage IV - Gerry Haskins
- Stage V - Secily Downes

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## Goal

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To determine if the Fall 2011  
Field Test items are eligible to  
become Operational items.

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2

## Questions to Answer

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- Where are we in the process?
- What data will we look at?
- What do we do with the data?
- What do the statistics mean?
- What happens next?
- What tools are we going to use?
- What do we do now?
- How will we ever finish in time?

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## Important Considerations

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- Review of basic statistical concepts.
  - Item statistics are a **tool** that can make a statement about the items.
  - No **one** statistic should be emphasized over all others.
  - Data can serve as a **guide** to help make informed decisions.
- Decisions about the quality of an item can **NOT** be made on statistics alone.
- The item itself, and the content it measures, is **MORE IMPORTANT** than the corresponding statistics associated with the item.

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## Where are we in the process?

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- AZ educators developed item specifications.
- AZ educators wrote all new items.
- Pearson/WestEd/ADE staff edited the items.
- AZ educators and community members reviewed new items for appropriateness of content, sensitivity issues, and evidence of bias.
- New items were piloted in the Fall 2011 AZELLA Field Test; data were gathered.
- Data and items are now to be analyzed.
- Acceptable items will be coded available for Operational use for item selection.



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## Data Label Format

Arizona Fall 2011			Grade: Stage III (3-5)			
AZID: 7211E019		Domain: Reading		N-Count: 1653		
Item Type: MC		Form: J		Item #: 19		
Standard: 4		Prof Level: HI		Indicator: 21		
Passage: Library Card Application						
Item Statistics						
P-Value: 0.279*		Item Mean: 0.279		PtBis: 0.117*		
Rasch: 1.2343		Infit: 1.11		Outfit: 1.25		
	NCount	%A	%B	%C	%D	%Omit
Total	1653	28.8	27.9	21.5	21.2	0.5
High	503	24.3	36	18.1	21.7	0
Medium	813	30.3	24	24.1	21	0.6
Low	337	32	25.5	20.5	20.8	1.2
Bias: MHZB-SMD-Delta (Gender, Race, Ethnicity, SES)						
	M-F	NH-H	NAI-AI	N-FRL	NEL-ELL	FEP-ELL
MHZB	2.981	0.538	3.749	6.378	28.121	1.295
Bias Catg Flag	A	A	A	A	B<	A
SMD	-0.071	0.069	-0.235	-0.171	-0.204	0.132
Delta	-0.464	0.232	-1.464	-0.777	-1.373	0.583
Bias: MHZB-SMD-Delta (based on Language)						
	NSpE-SpE	NS-S	E-S	E-NS	E-AI	
MHZB	0.020	2.261	1.946	0.332	1.405	
Bias Catg Flag	A	A	A	A	A	
SMD	0.004	-0.088	-0.116	-0.056	-0.467	
Delta	0.046	-0.511	-0.604	-0.363	-3.091	
Population (GRES)		Count	Population (Language)			Count
Male		944	Non-Special Ed			1292
Female		709	Special Ed			361
Hispanic		1274	Non-Spanish			277
Native American		69	Spanish			1376
Free/Reduced Lunch		1908	English			155
English Lang Learner		1653	Native American			7
Accept ( )		Reject ( )	Revise and Re-Field Test ( )			

## What data will we look at?

### ITEMCARD DESIGN

- Year of Administration, Stage, and Grade Level
- Item Information
  - AZID number, Content Area, N-Count (Number of students used to calibrate the item)
  - Item Format, Form, Item number, and answer key
  - Content Information, Standard, Proficiency Level, Performance Indicator
- General Item Statistics
  - P-Value, Item Mean Point Biserial correlation, Difficulty, and fit statistics
- Distractor Information
  - Total group, high, medium, and low achievers with totals, percents, and omits
- Bias Information
  - Gender (M-F)
  - Ethnicity (Non-Hispanic-Hispanic (NH-H), NonELL-ELL (NEL-ELL))
  - Language (English-Spanish(E-S), etc.)
- Population Counts
- Committee Determination

## What do we do with the data?

---

- ☐ First check the content and coding.
  - ☐ Check P-Value is in range.
  - ☐ Check the PtBis of the item.
  - ☐ Check Fit Statistics.
  - ☐ Check Percent Distributions.
  - ☐ Check Bias Flags.
  - ☐ Check if Statistics indicate not to use the item, it may still be accepted if...
  - ☐ Accept/Reject/Revise the item.
- 

8

## What do the statistics mean?

### **P-Value**

---

- ☐ Proportion of students who answered the item correctly (for multiple point items, the item mean divided by the number of points possible)
  - ☐ Range from 0 to 1
    - High values, such as .95, tend to indicate very easy items.
    - Low values, such as .20, tend to indicate very difficult items.
    - Acceptable p-values usually fall between .30 and .90. Items with p-values lower than .25 or higher than .95 must be reviewed prior to acceptance or rejection. (Remember .25 (.33 for 3 pointers) is comparable to guessing.)
  - ☐ AZELLA should include a distribution of items that are easy, moderate, and difficult. The purpose is to identify Proficient students.
  - ☐ Low P-Values should increase for individual items over time as the curriculum becomes more aligned to the standards and teachers perfect their delivery.
  - ☐ From year-to-year, the test must be of the same level of difficulty in order for accurate comparisons to be made. Equating maintains that same level of difficulty to keep the test fair and accurate.
  - ☐ That is why we have another indicator of item difficulty . . .
- 

9

## What do the statistics mean?

### Rasch

---

- ☐ A uniform scale that allows for the comparison of item difficulty across test forms
- ☐ Remains stable over time and across different groups of students provided that the context is stable
- ☐ Range from  $-\infty$  to  $+\infty$  but practically from  $-3$  to  $+3$ 
  - ☐ An average difficulty is near 0
  - ☐ Negative values, such as  $-3.0$ , indicate very easy items
  - ☐ Positive values, such as  $3.0$  indicate very difficult items.
- ☐ Consider both the Rasch and P-Value and any discrepancy between them.

---

10

## What do the statistics mean?

### Point Biserial (PtBis) Correlation

---

- ☐ Expresses the relationship between how students score on this item and how they score on the test as a whole.
- ☐ Conceptually, students who
  - ☐ perform well on the test as a whole should tend to perform well on any given item;
  - ☐ do not perform as well on the total test probably will not perform as well on any given item, if the item measures what the test measures.
- ☐ PtBis values are generally greater than or equal to 0.3. High values indicate a high correlation between scores on this item and scores on the rest of the test. This is a measure of discrimination.

---

11

## What do the statistics mean?

### Infit/Outfit

---

- ❑ Fit statistics are indicators of how well the item measures (or fits) its statistical model.
  - ❑ Fit statistics show the randomness (amount of distortion) of the measurement system.
    - Values < 1 observations too predictable, redundancy
    - Values > 1 observations too unpredictable, noise
  - ❑ Infit should range between 0.6 and 1.4, preferably close to 1.0
  - ❑ Outfit should be less than 1.4
  - ❑ Look at infit over outfit when checking fit.
- 

12

## What do the statistics mean?

### Response Distribution

---

- ❑ The Response Distribution is the percent of students who selected each answer choice.
- ❑ Look at the response distribution for the total group.
  - ❑ The correct answer should be the most popular choice.
  - ❑ The distribution may provide some insight into the reason the difficulty values or PtBis aren't what we would expect.
  - ❑ The distribution may show that one of the answer choices is not functioning the way in which it was intended.
- ❑ If the difficulty values are "off" or the point biserial correlation is low, look at the distribution for high and low groups for a possible explanation.

### Omit Rate

- ❑ The Omit Rate is the percent of students who did not answer the item.
  - ❑ It should be less than 2%. Remember, for 80,000 students, a 2% omit rate translates to 1600 students omitting this item.
- 

13

## What do the statistics mean?

### Bias Category Flags

- Students who have the same ability should have the same chance of getting an item correct regardless of gender, ethnicity, or other characteristics. However in a test of English proficiency, items that favor native English speakers over non English speakers should indicate a measure of proficiency and not necessarily bias.
- Reference [left side] and focus (comparison) [right side] groups are –
  - Non-Hispanic (NH) as compared to Hispanic (H) [NH-H]
  - Non-Free/Reduced Lunch (NFRL) as compared to Free/Reduced Lunch (FRL) [NFRL-FRL] (a proxy for SES)
  - Non-ELL (NL) as compared to ELL (ELL) [NL-L]
- Together, the MHZB and Delta statistics are used to categorize an item having –
  - A (No significant difference between groups)
  - B (Moderate difference between groups)
  - C (Significant difference between groups)
- Arrows tell which group the item favors
  - > means the item is easier for the focal group
  - < means the item is easier for the reference group
- **Items with significant differences, 'C' designation, need to be considered very carefully as to which group is favored.**
- **Sometimes differences occur between groups for no apparent reason, but the item can still be considered fair.**

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## What do the statistics mean?

### Population Counts

- The Population Counts are the number of members of male/female gender and ethnic/language groups who were used to calibrate the item. They can be found at the bottom of the label
- Use these counts to temper your interpretation of the item statistics.

15

## What happens next?

### **Ratings and Status Codes**

---

- ☐ **Accept**
  - ☐ Item's statistics are within acceptable limits.
  - ☐ Item can be used to measure proficiency in the English language.
  - ☐ Item can be selected for operational use.
  - ☐ A checkmark here means that the **Item is Acceptable**.
- ☐ **Reject**
  - ☐ Item's statistics indicate serious problems.
  - ☐ Item will not function fairly, reliably, or appropriately.
  - ☐ A checkmark here means **Reject** the item and **Do Not Use** it.
- ☐ **Revise and Re-Field Test**
  - ☐ Item has a solvable problem.
  - ☐ Item's statistics may define where a choice could be improved.
  - ☐ A checkmark here means that the item must be **Revised** and then **Re-Field Tested**. The item will be revised and re-field tested at a later date.

---

16

## Quiz

---

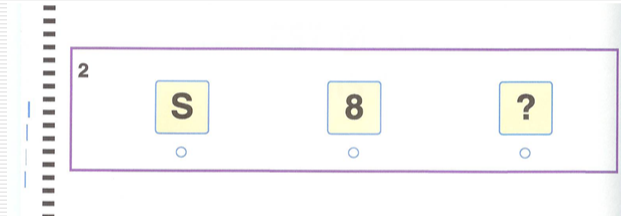
- ☐ Now, just a short quiz to see if you are ready.

---

17

## IIR2L

---



---

18

## Stats

---

- ☐ Rasch = -3.4639,
- ☐ Pvalue = 0.970904
- ☐ PtBis = 0.1408
  
- ☐ What do you do?

---

19



## IIIW3M

---

- 3** Which sentence uses punctuation correctly?
- A** The students lunches aren't ready.
  - B** The students' lunches aren't ready.
  - C** The student's lunches are'nt ready.
  - D** The students' lunches are'nt ready.

20

## Stats

---

- ☐ Rasch = 1.3823,
- ☐ Pvalue = 0.21862
- ☐ PtBis = -0.016
- ☐ A-42.93%
- ☐ B-21.86%
- ☐ C-25.47%
- ☐ D-9.49%
- ☐ What do you do?

21

## IVSOR1L

---

1

landmark  
meager  
ordain

22

## Stats

---

- ☐ Rasch = 2.072,
- ☐ Pvalue = 0.12624
- ☐ PtBis = 0.15958,
- ☐ 0-87.28%,
- ☐ 1-12.62%
  
- ☐ What do you do?

23

## How Did You Do?

- ☐ Rasch = -3.4639, Pvalue = 0.970904  
PtBis = 0.1408 What do you do?  
IIR2L
- ☐ Rasch = 1.3823, Pvalue = 0.21862  
PtBis = -0.016  
A-42.93 B-21.86 C-25.47 D-9.49  
What do you do?  
IIIW3M
- ☐ Rasch = 2.072, Pvalue = 0.12624  
PtBis = 0.15958, 0-87.28, 1-12.62  
What do you do? IVSOR1L

24

## What happens next?

### **Statistical Criteria Summary**

- ☐ Rasch values: Should range from about -3.0 to +3.0
- ☐ P-values: Should range from about 0.30 to 0.90 (remembering the probability of guessing a correct answer with 3 options is 0.33. With 4 options it is 0.25. Items with values below these numbers may not be selected unless...)
- ☐ Item Discrimination: Point biserial should be equal to or greater than 0.30.
- ☐ Amount of Distortion/Adherence to the Model: Infit should be between 0.6 and 1.4; Outfit should be less than 1.4.
- ☐ Bias: Most Flags are usually A or B, not C. The reverse may be preferable for some comparisons for AZELLA if they favor English speakers.
- ☐ Omits: Percent of students who omitted the item should be less than 2%.

25

## Differential Item Functioning Bias Flag Categories

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### ☐ Bias: MHzB-SMD-Delta

- Section 1(Gender, Ethnicity, SES, ELL, FEP)
  - ☐ M-F = Male vs. Female
  - ☐ NH-H = Non-Hispanic vs. Hispanic
  - ☐ NAI-AI = Non-Native American vs. Native American
  - ☐ N-FRL = Not receiving Free or Reduced Lunch vs. Students receiving Free or Reduced Lunch
  - ☐ NEL-ELL = Not an English Language Learner vs. An English Language Learner
  - ☐ FEP-ELL = Fluent English Proficient students vs. English Language Learners

---

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## Differential Item Functioning Bias Flag Categories

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### ☐ Bias: MHzB-SMD-Delta

- Section 2(Based on Language and Disability)
  - ☐ NSpE-SpE = Non-Special Education vs. Special Education students
  - ☐ NS-S = Non-Spanish speaking students vs. Spanish speaking students
  - ☐ E-S = English speaking students vs. Spanish speaking students
  - ☐ E-NS = English speaking students vs. Non-Spanish speaking students
  - ☐ E-AI = English speaking students vs. students speaking a Native American language

---

27

## What tools are we going to use?

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- **Statistical Criteria**
- **Data Analysis Booklets**
  - Item itself and the content it measures
  - Item statistics
- **Coding summary spreadsheet**

---

28

## What do we do now?

---

- ☐ There will be **two** recorders, one from ADE and the other is the WestEd facilitator, creating two master copy books for ADE and WestEd. A committee person will be assigned as code checker to ensure the item matches the PI indicated.
- ☐ **Review all materials in breakout rooms only.**
- ☐ Use the general session handouts to analyze each item's data.
- ☐ **Assign each item a status code.(A, R, RFT)**
- ☐ Recorders must enter checkmarks for status, mismatch to the PI, comments, and suggestions in each master booklet.

---

29

## What do the Facilitators do?

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- ☐ Ensure that the meeting runs smoothly, make sure the assignment of code checker is made, make sure the books are reconciled. The ADE master and the WestEd master must be exactly the same.
- ☐ Distribute and collect all materials in breakout rooms.
- ☐ Assist in the use of the general session handouts to analyze each item's data.
- ☐ Make sure each item receives a status.
- ☐ Record the assigned status for use during item selection; reconcile both books and spreadsheets immediately after the meeting.

---

30

## Feedback, Security, and Confidentiality

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- ☐ Carefully read and complete the confidentiality agreements (Pearson & ADE).
- ☐ All materials must remain in the meeting rooms with the WestEd facilitators.
- ☐ Please complete the meeting evaluation forms.

---

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## Conclusion

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Thank you  
for  
continuing to ensure  
quality assessments  
for  
Arizona's students.

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## Appendix H. REVISED PASSAGES AND ASSOCIATED ITEMS REVIEW (SEC. 7.1)

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# AZELLA

## Revised Passages and Associated Items Review

Phoenix, AZ  
March 16, 2012



### Lexile Overview

- The Lexile Analyzer® is a software program that evaluates the reading demand—or readability—of books, articles and other materials.
- The Lexile Analyzer measures the complexity of the text through characteristics, such as **sentence length** and **word frequency**, which represent the syntactic and semantic challenges that the text presents to a reader. The outcome is the text complexity, expressed as a Lexile measure, along with information on the word count, mean sentence length and mean log frequency.
- **Generally, longer sentences and words of lower frequency lead to higher Lexile measures;** shorter sentences and words of higher frequency lead to lower Lexile measures.
- Texts such as lists, recipes, poetry and forms are not analyzed because they lack conventional punctuation.

2



## Lexile Targets by Stage

Stage II	Stage III	Stage IV	Stage V
<200L	300L+	450L+	550L+
350L	450L+	700L+	750L
500L+	700L	900L+	900L
600L+	800L	950L+	1100L
	900L	1050L+	1150L

3

## Reading Passages Revised to Meet Targets with Lexiles and Word Counts Stage II

Stage	Type	Title	Field Test Lexile Score	Field Test Word Count	Revision Lexile Score	Revision Word Count
II	LIT	A New Friend	190L	65	160L	58
II	INF	Pet in a Jar	710L	95	610L	87
II	LIT	Rainy Day	320L	56	220L	56
II	INF	The World's Biggest Animal	400L	44	600L	50
II	INF	Trains	480L	59	620L	65

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### Reading Passages Revised to Meet Targets with Lexiles and Word Counts Stage III

Stage	Type	Title	Field Test Lexile Score	Field Test Word Count	Revision Lexile Score	Revision Word Count
III	INF	Arizona's Treasures	760L	241	900L	236
III	INF	Life in the Desert	780L	127	910L	165
III	INF	Painter of Nature	640L	122	800L	130
III	LIT	The Tomato Garden	410L	76	350L	76
III	INF	The Water Cycle	630L	212	810L	208

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### Reading Passages Revised to Meet Targets with Lexiles and Word Counts Stage IV

Stage	Type	Title	Field Test Lexile Score	Field Test Word Count	Revision Lexile Score	Revision Word Count
IV	LIT	A Library Treasure Hunt	820L	238	920L	235
IV	LIT	A Special Day	630L	224	500L	221
IV	LIT	Arizona History Project	660L	295	500L	297
IV	PERS	Don't Waste It's Bad Taste	870L	235	950L	237
IV	INF	Farmer Ants	620L	193	900L	194
IV	FUNC	How to Compost	660L	222	720L	224
IV	FUNC	MP3 Player Product Warranty	660L	209	730L	212
IV	INF	Simple Tools	870L	315	1050L	362
IV	INF	Tarahumara	740L	279	890L	277

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## Reading Passages Revised to Meet Targets with Lexiles and Word Counts Stage V

Stage	Type	Title	Field Test Lexile Score	Field Test Word Count	Revision Lexile Score	Revision Word Count
V	INF	Getting Enough Sleep	640L	145	900L	162
V	PERS	Let's Talk About Texting	710L	253	1150L	281
V	PERS	Native Plants in Your Own Backyard	940L	279	1140L	291
V	INF	Not Just a Place to Be	800L	299	1100L	296
V	LIT	Paper Airplanes	590L	347	750L	361
V	INF	Rosa Parks Said NO	830L	210	1100L	215
V	LIT	The Columnist	620L	301	550L	302

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## AZELLA Passage Revision Rules

### Additions to Text

1. Words added (bold added words)
2. Punctuation added (bold added punctuation)

### Deletions from Text

3. Words deleted (bold words before and after deleted word)
4. Punctuation deleted (bold words before and after deleted punctuation)


### Rearrangement of Text

5. Words moved (bold moved words)
6. Sentences rearranged (bold rearranged sentences/paragraph)

### Replacement of Text

7. Words replaced (bold words that replace the original words)

8



STAGE II – ORIGINAL PASSAGE

Trains

Trains do many things for people. Some trains take people to work. Some trains take people to places far away. Some trains even have beds where people can sleep.

Trains also carry food. They carry food from farms to cities. Trains can carry more things than trucks can carry. There are so many things trains can do for people.

Lexile® Measure  
480L  
Word Count  
59

Page 1 of 9

STAGE II – REVISED PASSAGE

Trains


Trains do many things for people. Some trains take people to work, and other trains take people to places far away. Some trains even have beds where people can sleep.

Trains also carry food and other things for people. They carry food from farms to cities. Trains can carry more things than trucks can carry. There are so many things trains can do for people.

Lexile® Measure  
620L  
Word Count  
65

Page 2 of 9

9



STAGE II – ORIGINAL PASSAGE

Trains

Trains do many things for people. Some trains take people to work. Some trains take people to places far away. Some trains even have beds where people can sleep.

Trains also carry food. They carry food from farms to cities. Trains can carry more things than trucks can carry. There are so many things trains can do for people.

Lexile® Measure  
480L  
Word Count  
59

STAGE II – REVISED PASSAGE

Trains

Trains do many things for people. Some trains take people to work, and other trains take people to places far away. Some trains even have beds where people can sleep.

Trains also carry food and other things for people. They carry food from farms to cities. Trains can carry more things than trucks can carry. There are so many things trains can do for people.

Lexile® Measure  
620L  
Word Count  
65

10



## **Passage Review in Large Group**

- Revision Accepted
- Needs Additional Revision
- Comments

11



## **Item Review/Revision in Small Groups**

1. Review passage-based items that were APPROVED in data review. Given the changes to the passage, can these items be re-field tested without revision? If not, revise as needed.
2. Review passage-based items that were designated as REVISE AND RE-FIELD-TEST items in data review. Can these items still be revised for field testing, given the changes to the passage? For example, if the item has two correct answers from the students' perspective, one option may be revised to be appropriate.

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### Item Review/Revision in Small Groups

3. If the TARGET number of items is met with the REVISED and APPROVED items, no new items are needed.
4. If the TARGET number of items is not met, write as many items as are needed to meet the TARGET number. Try to write to Indicators that were not used in the existing items.
5. Peer review item sets if time permits.

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### Target Number of Items

Stage	Target Number of Items Per Passage
II	4-5
III	5-6
IV	6-7
V	7-8

14

(must check one box for each item)

AZID Item Number	Associated Item Review				Comments
	Accepted Use as is	Revised for Re-Field-Test	Rejected or Cannot be Revised</		

# Item Development Form

Check one:	
<input type="checkbox"/> NEW ITEM	<input type="checkbox"/> REVISED ITEM NUMBER

**AZELLA MULTIPLE-CHOICE FORM**

Item Writer(s) \_\_\_\_\_ Date: March 2012

Stage: (circle one)	II	III	IV	V	Domain: <u>Reading</u>
PI Descriptor: _____ (for example, PE-3)					

Stem \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Answer Choices (Please always put the Correct Answer in the A position.)

Key: A

A. \_\_\_\_\_

\_\_\_\_\_

B. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

C. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

D. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



## Stage II Item Specifications

READING Standard 4: Comprehension of Text The student will demonstrate knowledge of reading comprehension by:						
Code	Performance Indicators	Item Type	Stimulus Description	Sample Stem	Options	Language Strand Codes
II.R.4.LI-2	LI-2: predicting what might happen next in a reading selection.	3-Option MC Passage-based: Multiple Choice	Fiction/Non-Fiction	What will happen next?	3 OPTIONS  (1) a plausible prediction that is supported by the story. (2) a plausible prediction that is not supported by the story. (3) a plausible prediction that is not supported by the story.	None
II.R.4.HI-3	HI-3: locating facts and answering questions about text.	3-Option MC Passage-based: Multiple Choice	Fiction/Non-Fiction	Who/What/Where/When/Why/How [question about the story]?	3 OPTIONS  3 words or sentences related to the story, only one that answers the question accurately.	II.L.2
II.R.4.E-7	E-7: identifying the topic from text heard or read.	3-Option MC Passage-based: Multiple Choice	Fiction/Non-Fiction	What is this story mostly about?	3 OPTIONS  (1) topic of the passage (2) detail from the passage (3) detail from the passage	None

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## Stage V Item Specifications

### READING

#### Standard 4: Comprehension of Text

The student will demonstrate knowledge of reading comprehension by:

Code	Performance Indicators	Item Type	Stimulus Description	Sample Stem	Language Strand Codes
V.R.4.E-4	E-4: answering literal questions about text. (e.g., who, what, when, and where)	4-Option MC	Fiction/Non-Fiction	Literal question asking who, what, where, when, why, which, how about the passage	None
V.R.4.B-4	B-4: answering literal questions about text. (e.g., who, what, when, where, when, why, which, and how)	Passage-based: Multiple Choice			
V.R.4.LI-4	LI-4: answering literal, inferential, prediction, evaluation, and/or personal response questions about text.	4-Option MC	Fiction/Non-Fiction	Inferential, prediction, evaluation questions about the passage.  May include vocabulary items.	V.L.2
V.R.4.HI-4	HI-4: answering literal, inferential, prediction, evaluation, and/or personal response questions about text.	Passage-based: Multiple Choice			
V.R.4.E-8	E-8: identifying the main idea (explicit) and supporting details in text.	4-Option MC	Fiction/Non-Fiction	What is the main idea of the passage?	None
V.R.4.B-8	B-8: determining the main idea (explicit and implicit) and supporting details in text.	Passage-based: Multiple Choice			



## Questions, comments and suggestions?

