## Appendix S1: Categorization Criteria for Participants in Kweon and Bley-Vroman (2011)

Table S1. Categorization criteria for participants in Kweon and Bley-Vroman (2011) (adapted from p. 216, Figure 1)

|  |  | Object questions |  |
| :---: | :---: | :---: | :---: |
|  |  | Non-contractor | Contractor |
| Subject <br> questions | Non-contractor | CONSERVATIVE | CORRECTLY |
|  | Contractor | BACKWARD | OVFERENTIAL |

## Appendix S2: Summary of Results in Kweon and Bley-Vroman (2011)

Table S2. Summary of results in Kweon and Bley-Vroman (2011) (adapted from pp. 216219, Figures 2-7)

| Task | Elicited production <br> task |  | Oral repair task |  | Grammaticality <br> judgment task |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Group | NS | L2 | NS | L2 | NS | L2 |
| CONSERVATIVE | 8 | 43 | 5 | 17 | 0 | 8 |
|  | $(20.51 \%)$ | $(41.3 \%)$ | $(12.82 \%)$ | $(16.67 \%)$ | $(0 \%)$ | $(8.16 \%)$ |
| CORRECTLY | 21 | 16 | 18 | 11 | 36 | 34 |
| DIFFERENTIAL | $(53.85 \%)$ | $(15.4 \%)$ | $(46.15 \%)$ | $(10.78 \%)$ | $(97.30 \%)$ | $(34.69 \%)$ |
| BACKWARD | 0 | 9 | 0 | 2 | 0 | 14 |
|  | $(0 \%)$ | $(8.7 \%)$ | $(0 \%)$ | $(1.96 \%)$ | $(0 \%)$ | $(14.29 \%)$ |
| OVERGENERAL | 10 | 36 | 16 | 72 | 1 | 42 |
|  | $(25.64 \%)$ | $(34.6 \%)$ | $(41.03 \%)$ | $(70.59 \%)$ | $(2.70 \%)$ | $(42.86 \%)$ |

Note. NS: Native speakers of English, L2: L1-Korean L2ers of English

## Appendix S3: Proficiency Data from L2 learners

To measure English proficiency, a picture narration task (PNT) was adopted in this study for both adults and children because the PNT does not require unfamiliar words or complicated syntactic structures (Park, 2014; Unsworth, 2005; Whong-Barr \& Schwartz, 2002). This task was administered to all of the child and adult L2ers as well as 32 of the L1 adults and 37 of the L1 children. In the PNT, participants were asked to tell a story in English for each of three sets of four pictures, which showed everyday activities (a morning routine, fighting between friends, and night-time parenting) in sequential order (Park, 2014, p. 146).

Following Unsworth's (2005) operationalized definition of L2 proficiency as "the ability to produce lexically, morphologically, and syntactically complex and accurate utterances in the target language" (pp. 154-155), the production data from the PNT were measured in terms of (a) morphosyntactic complexity (total number of verbs divided by the total number of T-units ${ }^{1}$, producing a verbal density score), (b) lexical complexity (movingaverage type-token ratio [MATTR]; Covington \& McFall, 2010), and (c) morphological/syntactic/lexical accuracy (total number of error-free T-units divided by the total number of T-units) to produce a single composite proficiency score. Morphosyntactic complexity and lexical complexity were analyzed in Python (for the analysis script, see https://github.com/Haerim-Hwang/NLP Python/tree/master/Measure English proficiency).
To analyze morphological/syntactic/lexical accuracy, two English native speakers were invited to manually code morphological, syntactic, and lexical errors based on the error coding procedure in Park's (2014, pp. 164-168) study. The Cohen's Kappa coefficient for the two raters' error coding was 0.735 , indicating high reliability (Landis \& Koch, 1977). Any disagreements in coding were resolved through discussion between the two coders and the author. Finally, a combined proficiency score was obtained by transforming the three subscores for each participant into $z$-scores based on the group mean and standard deviation and then adding them together. Proficiency scores of the child L2ers and the adult L2ers are respectively given in Table C-1 and Table C-2. Note that there happened to be a significant group difference between the adult L2ers and the child L2ers in proficiency scores when their $z$-scores were computed based on the two groups' mean and standard deviation: The former had higher proficiency scores than the latter $(t(66)=3.71, p<.001$, Cohen's $d=0.90)$.

[^0]Table S3-1. Proficiency data: Child L1-Korean L2 learners of English $(n=37)$

| Participant code | Number of T-units | Verbal density |  | Lexical diversity |  | Accuracy |  | Proficiency $z$-score |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Verbs/ <br> T-units | z-score | MATTR | $z$-score | Ratio of error-free T-units | $z$-score |  |
| CL2_01 | 14 | 1.43 | 0.41 | 0.88 | 0.86 | 0.50 | 0.22 | 1.49 |
| CL2_02 | 15 | 1.07 | -0.88 | 0.88 | 0.89 | 0.60 | 0.63 | 0.63 |
| CL2_03 | 13 | 1.46 | 0.53 | 0.78 | -0.82 | 0.85 | 1.63 | 1.34 |
| CL2_04 | 1 | 1.00 | -1.12 | 0.86 | 0.63 | 0.00 | -1.81 | -2.30 |
| CL2_05 | 13 | 1.08 | -0.84 | 0.83 | 0.06 | 0.23 | -0.87 | -1.66 |
| CL2_06 | 12 | 1.50 | 0.67 | 0.86 | 0.61 | 0.50 | 0.22 | 1.51 |
| CL2_07 | 12 | 1.00 | -1.12 | 0.79 | -0.65 | 0.17 | -1.13 | -2.90 |
| CL2_08 | 11 | 1.00 | -1.12 | 0.81 | -0.26 | 0.36 | -0.33 | -1.71 |
| CL2_09 | 10 | 1.40 | 0.31 | 0.80 | -0.54 | 0.20 | -1.00 | -1.22 |
| CL2_10 | 10 | 1.40 | 0.31 | 0.77 | -0.94 | 0.10 | -1.40 | -2.03 |
| CL2_11 | 16 | 1.69 | 1.34 | 0.85 | 0.41 | 0.63 | 0.73 | 2.48 |
| CL2_12 | 11 | 1.09 | -0.79 | 0.80 | -0.39 | 0.36 | -0.33 | -1.51 |
| CL2_13 | 12 | 1.25 | -0.23 | 0.84 | 0.31 | 0.25 | -0.79 | -0.71 |
| CL2_14 | 5 | 1.20 | -0.40 | 0.65 | -3.14 | 0.00 | -1.81 | -5.35 |
| CL2_15 | 12 | 1.33 | 0.07 | 0.74 | -1.53 | 0.25 | -0.79 | -2.26 |
| CL2_16 | 12 | 1.50 | 0.67 | 0.86 | 0.63 | 0.75 | 1.24 | 2.54 |
| CL2_17 | 11 | 2.00 | 2.46 | 0.88 | 0.96 | 0.73 | 1.15 | 4.57 |
| CL2_18 | 13 | 1.08 | -0.84 | 0.88 | 0.93 | 0.46 | 0.07 | 0.16 |
| CL2_19 | 16 | 1.88 | 2.01 | 0.88 | 0.87 | 0.75 | 1.24 | 4.12 |
| CL2_20 | 16 | 1.31 | 0.00 | 0.88 | 0.95 | 0.88 | 1.75 | 2.70 |
| CL2_21 | 9 | 1.22 | -0.32 | 0.84 | 0.18 | 0.44 | 0.00 | -0.14 |
| CL2_22 | 16 | 1.75 | 1.56 | 0.90 | 1.22 | 0.44 | -0.03 | 2.75 |
| CL2_23 | 13 | 1.69 | 1.36 | 0.91 | 1.41 | 0.62 | 0.69 | 3.46 |
| CL2_24 | 13 | 1.69 | 1.36 | 0.89 | 1.06 | 0.77 | 1.32 | 3.73 |
| CL2_25 | 15 | 1.07 | -0.88 | 0.77 | -0.93 | 0.53 | 0.36 | -1.45 |
| CL2_26 | 12 | 1.08 | -0.82 | 0.77 | -0.95 | 0.50 | 0.22 | -1.55 |
| CL2_27 | 10 | 1.60 | 1.03 | 0.84 | 0.17 | 0.60 | 0.63 | 1.82 |
| CL2_28 | 15 | 1.27 | -0.17 | 0.89 | 1.03 | 0.53 | 0.36 | 1.22 |
| CL2_29 | 16 | 1.00 | -1.12 | 0.73 | -1.65 | 0.44 | -0.03 | -2.80 |
| CL2_30 | 6 | 1.00 | -1.12 | 0.87 | 0.70 | 0.00 | -1.81 | -2.23 |
| CL2_31 | 14 | 1.07 | -0.86 | 0.75 | -1.40 | 0.07 | -1.52 | -3.79 |
| CL2_32 | 14 | 1.14 | -0.61 | 0.81 | -0.34 | 0.57 | 0.51 | -0.44 |
| CL2_33 | 13 | 1.23 | -0.29 | 0.78 | -0.89 | 0.77 | 1.32 | 0.13 |
| CL2_34 | 12 | 1.08 | -0.82 | 0.86 | 0.66 | 0.67 | 0.90 | 0.73 |
| CL2_35 | 13 | 1.77 | 1.63 | 0.82 | -0.05 | 0.46 | 0.07 | 1.65 |
| CL2_36 | 12 | 1.17 | -0.52 | 0.77 | -0.98 | 0.33 | -0.45 | -1.96 |
| CL2_37 | 12 | 1.08 | -0.82 | 0.88 | 0.97 | 0.17 | -1.13 | -0.99 |

Table S3-2. Proficiency data: Adult L1-Korean L2 learners of English ( $n=31$ )

| Participant <br> code | Number <br> of <br> T-units | Verbal density <br> Verbs/ <br> T-units | $\boldsymbol{z}$-score | Lexical diversity | Accuracy |  | Proficiency |  |
| :---: | :---: | :---: | ---: | :---: | ---: | ---: | ---: | ---: |
| z-score | Error-free <br> T-units | $\boldsymbol{z}$-score | $\boldsymbol{z}$-score |  |  |  |  |  |
| AL2_01 | 70 | 1.47 | -0.16 | 0.86 | -0.11 | 0.59 | 0.22 | -0.06 |
| AL2_02 | 19 | 1.95 | 1.48 | 0.85 | -0.49 | 0.26 | -1.55 | -0.56 |
| AL2_03 | 21 | 1.76 | 0.84 | 0.90 | 1.11 | 0.57 | 0.14 | 2.09 |
| AL2_04 | 12 | 2.08 | 1.95 | 0.90 | 1.07 | 0.67 | 0.66 | 3.68 |
| AL2_05 | 14 | 1.36 | -0.56 | 0.85 | -0.50 | 0.57 | 0.14 | -0.92 |
| AL2_06 | 15 | 1.73 | 0.74 | 0.85 | -0.53 | 0.47 | -0.44 | -0.22 |
| AL2_07 | 16 | 1.94 | 1.44 | 0.89 | 0.89 | 0.56 | 0.09 | 2.43 |
| AL2_08 | 27 | 1.37 | -0.51 | 0.86 | -0.26 | 0.56 | 0.05 | -0.72 |
| AL2_09 | 12 | 1.08 | -1.50 | 0.78 | -2.77 | 0.58 | 0.20 | -4.06 |
| AL2_10 | 16 | 1.63 | 0.37 | 0.88 | 0.30 | 0.56 | 0.09 | 0.75 |
| AL2_11 | 21 | 1.67 | 0.51 | 0.87 | 0.03 | 0.71 | 0.92 | 1.47 |
| AL2_12 | 13 | 1.08 | -1.52 | 0.83 | -1.21 | 0.77 | 1.23 | -1.51 |
| AL2_13 | 24 | 1.83 | 1.09 | 0.88 | 0.61 | 0.58 | 0.20 | 1.90 |
| AL2_14 | 13 | 1.54 | 0.07 | 0.89 | 0.76 | 0.38 | -0.89 | -0.05 |
| AL2_15 | 12 | 1.33 | -0.64 | 0.85 | -0.54 | 0.67 | 0.66 | -0.52 |
| AL2_16 | 16 | 1.50 | -0.06 | 0.94 | 2.27 | 0.88 | 1.81 | 4.01 |
| AL2_17 | 28 | 1.86 | 1.17 | 0.86 | -0.13 | 0.46 | -0.45 | 0.59 |
| AL2_18 | 13 | 1.23 | -0.99 | 0.85 | -0.55 | 0.69 | 0.80 | -0.74 |
| AL2_19 | 16 | 1.75 | 0.80 | 0.83 | -1.09 | 0.81 | 1.46 | 1.17 |
| AL2_20 | 14 | 1.29 | -0.80 | 0.83 | -1.06 | 0.71 | 0.92 | -0.94 |
| AL2_21 | 30 | 1.87 | 1.20 | 0.89 | 0.63 | 0.43 | -0.62 | 1.21 |
| AL2_22 | 12 | 1.25 | -0.93 | 0.82 | -1.61 | 0.58 | 0.20 | -2.33 |
| AL2_23 | 16 | 1.31 | -0.71 | 0.84 | -0.84 | 0.56 | 0.09 | -1.46 |
| AL2_24 | 25 | 1.76 | 0.83 | 0.88 | 0.35 | 0.16 | -2.12 | -0.94 |
| AL2_25 | 13 | 1.31 | -0.73 | 0.87 | 0.23 | 0.62 | 0.38 | -0.12 |
| AL2_26 | 20 | 1.25 | -0.93 | 0.90 | 1.02 | 0.60 | 0.30 | 0.39 |
| AL2_27 | 14 | 1.29 | -0.80 | 0.85 | -0.53 | 0.07 | -2.61 | -3.94 |
| AL2_28 | 15 | 1.53 | 0.05 | 0.91 | 1.57 | 0.47 | -0.44 | 1.18 |
| AL2_29 | 13 | 1.23 | -0.99 | 0.89 | 0.82 | 0.15 | -2.15 | -2.33 |
| AL2_30 | 12 | 1.83 | 1.09 | 0.89 | 0.64 | 0.58 | 0.20 | 1.93 |
| AL2_31 | 11 | 1.00 | -1.79 | 0.86 | -0.09 | 0.64 | 0.50 | -1.38 |
|  |  |  |  |  |  |  |  |  |

## Appendix S4: Critical Stimuli for the Acceptability Judgment Task

Instructions: This is a 'smiley face' choice task. In this task, you will decide whether sentences are good/possible or bad/impossible in English. First, you will see a sentence on the screen while hearing that same sentence twice on the headphones. After you hear the sentence for the second time, a 'smiley face' scale will pop up on the screen. It is at this point that you can press a number on the keyboard to rate the sentence on a 4-point "smiley face" scale with an additional "I don't know" option.
(a) Who + Gap, (b) *Who + No gap, (c) *If + Gap, (d) If + No gap

1. (a) I wonder who you wanna read with.
(b) * I wonder who you wanna read.
(c) $*$ I wonder if you wanna read with.
(d) I wonder if you wanna read.
2. (a) I wonder who you wanna dance with.
(b) $*$ I wonder who you wanna dance.
(c) $*$ I wonder if you wanna dance with.
(d) I wonder if you wanna dance.
3. (a) I wonder who you wanna sing with.
(b) * I wonder who you wanna sing.
(c) $*$ I wonder if you wanna sing with.
(d) I wonder if you wanna sing.
4. (a) I wonder who you wanna walk with.
(b) * I wonder who you wanna walk.
(c) * I wonder if you wanna walk with.
(d) I wonder if you wanna walk.
5. (a) I wonder who you wanna stay with.
(b) * I wonder who you wanna stay.
(c) $*$ I wonder if you wanna stay with.
(d) I wonder if you wanna stay.
6. (a) I wonder who you wanna swim with.
(b) * I wonder who you wanna swim.
(c) $*$ I wonder if you wanna swim with.
(d) I wonder if you wanna swim.
7. (a) I wonder who you wanna run with.
(b) * I wonder who you wanna run.
(c) $*$ I wonder if you wanna run with.
(d) I wonder if you wanna run.
8. (a) I wonder who you wanna smile with.
(b) * I wonder who you wanna smile.
(c) $*$ I wonder if you wanna smile with.
(d) I wonder if you wanna smile.
9. (a) I wonder who you wanna start with.
(b) * I wonder who you wanna start.
(c) $*$ I wonder if you wanna start with.
(d) I wonder if you wanna start.
10. (a) I wonder who you wanna talk with.
(b) * I wonder who you wanna talk.
(c) $*$ I wonder if you wanna talk with.
(d) I wonder if you wanna talk.
11. (a) I wonder who you wanna eat with.
(b) * I wonder who you wanna eat.
(c) $*$ I wonder if you wanna eat with.
(d) I wonder if you wanna eat.
12. (a) I wonder who you wanna travel with.
(b) * I wonder who you wanna travel.
(c) * I wonder if you wanna travel with.
(d) I wonder if you wanna travel.
13. (a) I wonder who you wanna drink with.
(b) * I wonder who you wanna drink.
(c) * I wonder if you wanna drink with.
(d) I wonder if you wanna drink.
14. (a) I wonder who you wanna live with.
(b) * I wonder who you wanna live.
(c) $*$ I wonder if you wanna live with.
(d) I wonder if you wanna live.
15. (a) I wonder who you wanna cry with.
(b) * I wonder who you wanna cry.
(c) * I wonder if you wanna cry with.
(d) I wonder if you wanna cry.
16. (a) I wonder who you wanna laugh with.
(b) * I wonder who you wanna laugh.
(c) * I wonder if you wanna laugh with.
(d) I wonder if you wanna laugh.
17. (a) I wonder who you wanna wait with.
(b) $*$ I wonder who you wanna wait.
(c) * I wonder if you wanna wait with.
(d) I wonder if you wanna wait.
18. (a) I wonder who you wanna shout with.
(b) * I wonder who you wanna shout.
(c) $*$ I wonder if you wanna shout with.
(d) I wonder if you wanna shout.
19. (a) I wonder who you wanna pray with.
(b) * I wonder who you wanna pray.
(c) * I wonder if you wanna pray with.
(d) I wonder if you wanna pray.
20. (a) I wonder who you wanna work with.
(b) * I wonder who you wanna work.
(c) * I wonder if you wanna work with.
(d) I wonder if you wanna work.

## Appendix S5: Background Questionnaires

## L1-English adults and late/adult L1-Korean L2 learners of English

Please answer all of the following questions.

- Participant ID:
- Age:
- Gender:
- What is your native language (the language you are firstly exposed to)?
- What is your father's native language?
- What is your mother's native language?
- At what age did you begin acquiring English?
- What language do you usually speak at home?
- If you speak more than one language at home, how much do you use English (out of $100 \%$ )?
- Please list all languages you know in order of dominance and rate your proficiency on each language from 1 to 10 in the parentheses.
- How much reading proficiency do you have with the English language? Please choose one from 1 (very low proficiency) to 10 (very high proficiency).
- How much writing proficiency do you have with the English language? Please choose one from 1 (very low proficiency) to 10 (very high proficiency).
- How much listening proficiency do you have with the English language? Please choose one from 1 (very low proficiency) to 10 (very high proficiency).
- How much speaking proficiency do you have with the English language? Please choose one from 1 (very low proficiency) to 10 (very high proficiency).
- For native English speakers only: Do you speak Hawaiian pidgin? If so, how long have you used it? (If you don't know pidgin, just put "no" in the box.)
- For second language learners of English only: If you have ever lived in or visited a country where languages other than your native language are spoken, please indicate below the name of the country, the duration and period of the stay, and which languages you used while you were in that country. (e.g., US: January 2017-June 2018, 18 months)


## L1-English children and early/child L1-Korean L2 learners of English (Filled out by parents)

Please answer all of the following questions.

- Participant ID:
- Age:
- Gender:
- What is a native language of your child's mother?
- What is a native language of your child's father?
- What is the first language your child was exposed to as a child?
- What is your child's native language?
- At what age did your child begin acquiring English?
- What language does your child usually speak at home?
- If your child speaks more than one language at home, how much does he/she use English (out of 100\%)?
- Please list all languages your child knows in order of dominance and rate his/her proficiency on each language from 1 to 10 in the parentheses.
- How much reading proficiency does your child have with the English language? Please choose one from 1 (very low proficiency) to 10 (very high proficiency).
- How much writing proficiency does your child have with the English language? Please choose one from 1 (very low proficiency) to 10 (very high proficiency).
- How much listening proficiency does your child have with the English language? Please choose one from 1 (very low proficiency) to 10 (very high proficiency).
- How much speaking proficiency does your child have with the English language? Please choose one from 1 (very low proficiency) to 10 (very high proficiency).
- For L1-English children only: Does your child speak Hawaiian pidgin? If so, how long have your child used it? (If your child doesn't know pidgin, just put "no" in the box.)
- For second language learners of English only: If your child has ever lived in or visited a country where languages other than your native language are spoken, please indicate below the name of the country, the duration and period of the stay, and which languages your child used while your child was in that country. (e.g., US: January 2017-June 2018, 18 months)


## Appendix S6: Individual Sensitivity Scores in the Acceptability Judgment Task

Table S6-1. Individual sensitivity scores of L1-English adults $(n=70)$ in the acceptability judgment task

| Participant code | Sensitivity score | Participant code | Sensitivity score |
| :---: | :---: | :---: | :---: |
| L1A_01 | 80.00 | L1A_41 | 100.00 |
| L1A_02 | 90.00 | L1A_42 | 90.00 |
| L1A_03 | 80.00 | L1A_43 | 80.00 |
| L1A 04 | 87.50 | L1A 44 | 40.00 |
| L1A_05 | 70.00 | L1A_45 | 100.00 |
| L1A_06 | 100.00 | L1A_46 | 100.00 |
| L1A_07 | 90.00 | L1A_47 | 100.00 |
| L1A_08 | 80.00 | L1A_48 | 100.00 |
| L1A_09 | 70.00 | L1A_49 | 90.00 |
| L1A_10 | 100.00 | L1A_50 | 80.00 |
| L1A_11 | 90.00 | L1A_51 | 0.00 |
| L1A_12 | 90.00 | L1A_52 | 30.00 |
| L1A_13 | 80.00 | L1A_53 | 61.43 |
| L1A 14 | 100.00 | L1A 54 | 90.00 |
| L1A_15 | 100.00 | L1A_55 | 90.00 |
| L1A_16 | 100.00 | L1A_56 | 100.00 |
| L1A_17 | 100.00 | L1A_57 | 100.00 |
| L1A_18 | 60.00 | L1A_58 | 90.00 |
| L1A_19 | 100.00 | L1A_59 | 80.00 |
| L1A_20 | 70.00 | L1A_60 | 90.00 |
| L1A_21 | 90.00 | L1A_61 | 80.00 |
| L1A_22 | 90.00 | L1A_62 | 80.00 |
| L1A_23 | 60.00 | L1A_63 | 100.00 |
| L1A_24 | 100.00 | L1A_64 | 60.00 |
| L1A_25 | 60.00 | L1A_65 | 100.00 |
| L1A_26 | 100.00 | L1A_66 | 100.00 |
| L1A_27 | 40.00 | L1A_67 | 100.00 |
| L1A_28 | 90.00 | L1A_68 | 70.00 |
| L1A_29 | 80.00 | L1A_69 | 70.00 |
| L1A_30 | 100.00 | L1A_70 | 70.00 |
| L1A 31 | 100.00 |  |  |
| L1A_32 | 80.00 |  |  |
| L1A_33 | 100.00 |  |  |
| L1A_34 | 100.00 |  |  |
| L1A_35 | 50.00 |  |  |
| L1A 36 | 80.00 |  |  |
| L1A_37 | 60.00 |  |  |
| L1A_38 | 100.00 |  |  |
| L1A_39 | 80.00 |  |  |
| L1A_40 | 40.00 |  |  |

Table S6-2. Individual sensitivity scores of L1-English children $(n=39)$ in the acceptability judgment task

| Participant <br> code | Age <br> in month | Sensitivity <br> score |
| :---: | :---: | :---: |
| L1C_05 | $3 ; 3$ | 0.00 |
| L1C_06 | $3 ; 11$ | 23.34 |
| L1C_07 | $4 ; 0$ | 30.00 |
| L1C_14 | $4 ; 3$ | 2.50 |
| L1C_04 | $5 ; 0$ | -21.67 |
| L1C_17 | $5 ; 1$ | 10 |
| L1C_18 | $5 ; 1$ | -25.00 |
| L1C_26 | $5 ; 2$ | 33.34 |
| L1C_02 | $5 ; 4$ | 10.00 |
| L1C_12 | $5 ; 4$ | 7.50 |
| L1C_20 | $5 ; 10$ | 50.00 |
| L1C_21 | $5 ; 11$ | 25.00 |
| L1C_33 | $5 ; 11$ | 80.00 |
| L1C_28 | $6 ; 1$ | 90.00 |
| L1C_24 | $6 ; 3$ | 50.00 |
| L1C_32 | $6 ; 3$ | 80.00 |
| L1C_22 | $6 ; 6$ | 100.00 |
| L1C_37 | $6 ; 6$ | 90.00 |
| L1C_25 | $6 ; 7$ | 90.00 |
| L1C_09 | $6 ; 8$ | 30.00 |
| L1C_19 | $6 ; 8$ | 70.00 |
| L1C_34 | $6 ; 8$ | 90.00 |
| L1C_13 | $6 ; 9$ | 20.00 |
| L1C_31 | $6 ; 9$ | 90.00 |
| L1C_39 | $6 ; 9$ | 50.00 |
| L1C_23 | $6 ; 10$ | 60.00 |
| L1C_36 | $6 ; 10$ | 100.00 |
| L1C_11 | $6 ; 11$ | 40.00 |
| L1C_16 | $6 ; 11$ | 90.00 |
| L1C_29 | $6 ; 11$ | 100.00 |
| L1C_15 | $7 ; 1$ | 40.00 |
| L1C_30 | $7 ; 1$ | 90.00 |
| L1C_38 | $7 ; 1$ | 100.00 |
| L1C_27 | $7 ; 2$ | 90.00 |
| L1C_35 | $7 ; 2$ | 50.00 |
| L1C_08 | $7 ; 6$ | 20.00 |
| L1C_01 | $7 ; 7$ | 40.00 |
| L1C_10 | $7 ; 8$ | 60.00 |
| L1C_03 | $7 ; 9$ | 40.00 |
|  |  |  |

Table S6-3. Individual sensitivity scores of child L1-Korean L2 learners of English ( $n=37$ ) in the acceptability judgment task

| Participant code | Proficiency | Sensitivity score |
| :---: | :---: | :---: |
| CL2_14 | -5.35 | 20.00 |
| CL2_31 | -3.79 | 10.00 |
| CL2_07 | -2.90 | 0.00 |
| CL2_29 | -2.80 | -40.00 |
| CL2_04 | -2.30 | 10.00 |
| CL2_15 | -2.26 | 60.00 |
| CL2_30 | -2.23 | 20.00 |
| CL2_10 | -2.03 | 10.00 |
| CL2_36 | -1.96 | -20.84 |
| CL2_08 | -1.71 | -7.50 |
| CL2-05 | -1.66 | 12.50 |
| CL2_26 | -1.55 | 40.00 |
| CL2_12 | -1.51 | -10.00 |
| CL2_25 | -1.45 | 0.00 |
| CL2_09 | -1.22 | 33.34 |
| CL2_37 | -0.99 | 0.00 |
| CL2_13 | -0.71 | 25.00 |
| CL2_32 | -0.44 | 1.67 |
| CL2_21 | -0.14 | 8.34 |
| CL2_33 | 0.13 | 30.00 |
| CL2_18 | 0.16 | 45.84 |
| CL2_02 | 0.63 | 30.00 |
| CL2_34 | 0.73 | 10.00 |
| CL2_28 | 1.22 | 10.00 |
| CL2_03 | 1.34 | 40.00 |
| CL2_01 | 1.49 | 30.00 |
| CL2_06 | 1.51 | 50.00 |
| CL2_35 | 1.65 | 30.00 |
| CL2_27 | 1.82 | 90.00 |
| CL2_11 | 2.48 | 30.00 |
| CL2_16 | 2.54 | 60.00 |
| CL2_20 | 2.70 | 100.00 |
| CL2_22 | 2.75 | 70.00 |
| CL2_23 | 3.46 | 20.00 |
| CL2_24 | 3.73 | 47.50 |
| CL2_19 | 4.12 | 50.00 |
| CL2_17 | 4.57 | 100.00 |

Table S6-4. Individual sensitivity scores of adult L1-Korean L2 learners of English ( $n=31$ ) in the acceptability judgment task

| Participant <br> code | Proficiency | Sensitivity <br> score |
| :---: | :---: | :---: |
| AL2_09 | -4.06 | 80.00 |
| AL2_27 | -3.94 | 50.00 |
| AL2_22 | -2.33 | 70.00 |
| AL2_29 | -2.33 | 80.00 |
| AL2_12 | -1.51 | 100.00 |
| AL2_23 | -1.46 | 100.00 |
| AL2_31 | -1.38 | 40.00 |
| AL2_20 | -0.94 | 10.00 |
| AL2_24 | -0.94 | 100.00 |
| AL2_05 | -0.92 | 50.00 |
| AL2_18 | -0.74 | 70.00 |
| AL2_08 | -0.72 | 40.00 |
| AL2_02 | -0.56 | 40.00 |
| AL2_15 | -0.52 | 40.00 |
| AL2_06 | -0.22 | 80.00 |
| AL2_25 | -0.12 | 70.00 |
| AL2_01 | -0.06 | 90.00 |
| AL2_14 | -0.05 | 40.00 |
| AL2_26 | 0.39 | 0.00 |
| AL2_17 | 0.59 | 90.00 |
| AL2_10 | 0.75 | 50.00 |
| AL2_19 | 1.17 | 50.00 |
| AL2_28 | 1.18 | 90.00 |
| AL2_21 | 1.21 | 30.00 |
| AL2_11 | 1.47 | 70.00 |
| AL2_13 | 1.90 | 50.00 |
| AL2_30 | 1.93 | 32.50 |
| AL2_03 | 2.09 | 50.00 |
| AL2_07 | 2.43 | 80.00 |
| AL2_04 | 3.68 | 90.00 |
| AL2_16 | 4.01 | 100.00 |
|  |  |  |


[^0]:    ${ }^{1}$ A T-unit is "one main clause plus whatever subordinate clauses happen to be attached to or embedded within it" (Hunt, 1966, p. 735).

