

Supplemental Material S12. Summary statistics of the Experiment 2 word stimuli characteristics using 2 × 4 (Phoneme Type × List) analyses of variance (ANOVAs).

<u>Orthographic characteristics</u>						
Stimulus lists	Number of letters	Orthographic neighborhood	Mean bigram frequency	Number of friends	Consistency ratio	Word frequency
E7^a words						
<i>M</i> ₁ (<i>SD</i>)	4.20 (0.68)	9.33 (5.27)	2750.89 (1522.69)	12.07 (6.05)	.94 (.13)	8.43 (2.57)
<i>M</i> ₂ (<i>SD</i>)	4.07 (0.46)	11.07 (6.66)	3217.27 (2087.79)	13.67 (8.58)	.95 (.21)	9.49 (1.75)
<i>M</i> ₃ (<i>SD</i>)	4.20 (0.68)	9.80 (5.20)	3490.26 (2015.56)	13.40 (9.00)	.87 (.26)	8.83 (2.19)
<i>M</i> ₄ (<i>SD</i>)	4.20 (0.41)	11.60 (5.34)	3884.36 (1787.24)	16.00 (8.07)	.87 (.23)	9.93 (2.03)
L7^a words						
<i>M</i> ₁ (<i>SD</i>)	4.33 (0.65)	11.33 (6.92)	3235.04 (1233.19)	12.33 (8.43)	.78 (.28)	8.65 (3.29)
<i>M</i> ₂ (<i>SD</i>)	4.33 (0.49)	10.17 (6.89)	4004.40 (1460.55)	9.17 (8.08)	.90 (.23)	9.89 (1.92)
<i>M</i> ₃ (<i>SD</i>)	4.42 (0.51)	11.17 (5.61)	3639.29 (982.70)	15.50 (10.04)	.87 (.18)	8.33 (2.42)
<i>M</i> ₄ (<i>SD</i>)	4.25 (0.45)	13.83 (6.49)	3592.93 (1410.94)	14.67 (10.04)	.82 (.34)	8.20 (3.12)
Main effect _{Type}	$F(1, 100) = 2.42$ $p = .12$	$F(1, 100) = 1.01$ $p = .32$	$F(1, 100) = 0.79$ $p = .38$	$F(1, 100) = 0.27$ $p = .60$	$F(1, 100) = 1.83$ $p = .18$	$F(1) = 0.75$ $p = .39$
Main effect _{List}	$F(3, 100) = 0.20$ $p = .90$	$F(3, 100) = 0.93$ $p = .43$	$F(3, 100) = 1.09$ $p = .36$	$F(3, 100) = 1.24$ $p = 0.30$	$F(3, 100) = 0.56$ $p = .64$	$F(3) = 1.30$ $p = .28$
Type × List	$F(3, 100) = 0.20$ $p = .90$	$F(3, 100) = 0.37$ $p = .77$	$F(3, 100) = 0.53$ $p = .66$	$F(3, 100) = 0.72$ $p = .55$	$F(3, 100) = 0.53$ $p = .67$	$F(3) = 1.05$ $p = .37$

Note. Word frequency was measured using log frequency from the HAL database, retrieved from the English Lexicon Project website (Balota et al., 2007).

^aThe stimuli for this study comprised either early- (E) or late- (L) developing consonant phonemes, with seven phonemes per group: E7 and L7.

Supplemental Material S12. (continued)

Stimulus lists	<u>Phonological characteristics</u>			
	Phonological neighborhood	Sum of phonotactic probability	Sum of biphone probability	Spoken duration in ms
E7^a words				
<i>M</i> ₁ (<i>SD</i>)	24.93 (9.02)	.135 (.037)	.004 (.004)	744.40 (29.03)
<i>M</i> ₂ (<i>SD</i>)	31.07 (10.66)	.142 (.036)	.005 (.002)	731.13 (26.05)
<i>M</i> ₃ (<i>SD</i>)	26.20 (13.84)	.135 (.030)	.004 (.003)	754.46 (36.26)
<i>M</i> ₄ (<i>SD</i>)	32.33 (8.98)	.150 (.031)	.005 (.002)	754.80 (38.88)
L7^a words				
<i>M</i> ₁ (<i>SD</i>)	29.50 (14.79)	.132 (.063)	.006 (.006)	762.08 (34.14)
<i>M</i> ₂ (<i>SD</i>)	34.92 (18.47)	.135 (.051)	.006 (.005)	745.75 (33.58)
<i>M</i> ₃ (<i>SD</i>)	34.08 (17.65)	.135 (.051)	.006 (.006)	761.83 (30.33)
<i>M</i> ₄ (<i>SD</i>)	30.83 (13.86)	.131 (.048)	.005 (.005)	740.25 (50.87)
Main effect _{Type}	$F(1, 100) = 2.00$ $p = .16$	$F(1, 100) = 0.76$ $p = .38$	$F(1, 100) = 1.92$ $p = .17$	$F(1, 100) = 0.84$ $p = .36$
Main effect _{List}	$F(3, 100) = 0.89$ $p = .45$	$F(3, 100) = 0.16$ $p = .92$	$F(3, 100) = 0.02$ $p = 1.0$	$F(3, 100) = 1.53$ $p = .21$
Type × List	$F(3, 100) = 0.55$ $p = .65$	$F(3, 100) = 0.23$ $p = .87$	$F(3, 100) = 0.22$ $p = .88$	$F(3, 100) = 1.13$ $p = .34$

Note. Word frequency was measured using log frequency from the HAL database, retrieved from the English Lexicon Project website (Balota et al., 2007).

^aThe stimuli for this study comprised either early- (E) or late- (L) developing consonant phonemes, with seven phonemes per group: E7 and L7.

Reference

Balota, D. A., Yap, M. J., Hutchison, K. A., Cortese, M. J., Kessler, B., Loftis, B., . . . Treiman, R. (2007). The English Lexicon Project. *Behavior Research Methods*, 39, 445–459.