

Supplementary materials A

Model statistics

Supplementary materials contain the AICs, likelihood ratio tests, the factors and their interactions for the initial, intermediate, and final statistical models for all statistical analyses reported in the paper. The bold model numbers indicate the reported models, the selection being done by comparing AIC values on the basis of likelihood ratio tests and degrees of freedom (the number of factors). The best model contained only those factors and interactions, whose removal did not significantly decrease the AIC value.

Table S1. *Native listeners: two word pairs together*

Model	Fixed effects	AIC	Likelihood ratio test
1	Exposure condition Step ¹ Minimal pair Exposure condition x Minimal pair Exposure condition x Step Step x Minimal pair Exposure condition x Step x Minimal pair	3916.0	
2	Exposure condition Step Minimal pair Exposure condition x Minimal pair Exposure condition x Step Step x Minimal pair	3914.7	$X^2(4) = 6.64, p=0.156$
3	Exposure condition Step Minimal pair Exposure condition x Minimal pair Step x Minimal pair	3911.3	$X^2(4) = 4.607, p=0.33$

1 Step was included as a nominal variable

Table S2. *Native listeners: collect-correct*

Model	Fixed effects	AIC	Likelihood ratio test
1	Exposure condition Step Exposure condition x Step	2035.5	

Table S3. *Native listeners: alive-arrive*

Model	Fixed effects	AIC	Likelihood ratio test
1	Exposure condition Step Exposure condition x Step	1881.0	
2	Exposure condition Step	1874.9	$X^2 (4) = 1.934, p=0.748$
3	Step	1875.2	$X^2 (1) = 2.297, p=0.130$

Table S4. *Non-native listeners: two word pairs together*

Model	Fixed effects	AIC	Likelihood ratio test
1	Exposure condition Step Minimal pair Exposure condition x Minimal pair Exposure condition x Step Step x Minimal pair Exposure condition x Step x Minimal pair	4889.4	
2	Exposure condition Step Minimal pair Exposure condition x Minimal pair Exposure condition x Step Step x Minimal pair	4886.5	$X^2 (4) = 5.15, p=0.272$
3	Exposure condition Step Minimal pair Exposure condition x Step Step x Minimal pair	4885.1	$X^2 (1) = 0.572, p=0.449$

Table S5. *Non-native listeners: including the baseline*

Model	Fixed effects	AIC	Likelihood ratio test
1	Exposure condition ² Step Minimal pair Exposure condition x Minimal pair Exposure condition x Step Step x Minimal pair Exposure condition x Step x Minimal pair	6523.4	
2	Exposure condition Step Minimal pair Exposure condition x Minimal pair Exposure condition x Step Step x Minimal pair	6519.2	X ² (8) = 11.831, p=0.159
3	Exposure condition Step Minimal pair Exposure condition x Step Step x Minimal pair	6516.1	X ² (2) = 0.901, p=0.637

2. Factor Exposure condition includes three levels

Table S6. *Comparison of native and non-native listeners: two word pairs together*

Model	Fixed effects	AIC	Likelihood ratio test
1	Exposure condition Step Minimal pair Language Exposure condition x Step Exposure condition x Minimal pair Step x Minimal pair Exposure condition x Language Step x Language Minimal pair x Language Exposure condition x Step x Minimal pair Exposure condition x Step x Language Exposure condition x Minimal pair x Language Step x Minimal pair x Language Exposure condition x Step x Minimal pair x Language	8799.9	
2	Exposure condition Step Minimal pair Language Exposure condition x Step Exposure condition x Minimal pair Step x Minimal pair	8794.9	$X^2(4) = 3.003, p=0.557$

Exposure condition x Language
Step x Language
Minimal pair x Language
Exposure condition x Step x Minimal pair
Exposure condition x Step x Language
Exposure condition x Minimal pair x Language
Step x Minimal pair x Language

3	Exposure condition	8794.4	$X^2 (1) = 1.570, p=0.210$
	Step		
	Minimal pair		
	Language		
	Exposure condition x Step		
	Exposure condition x Minimal pair		
	Step x Minimal pair		
	Exposure condition x Language		
	Step x Language		
	Minimal pair x Language		
	Exposure condition x Step x Minimal pair		
	Exposure condition x Step x Language		
	Step x Minimal pair x Language		

Table S7. Comparison of native and non-native listeners: collect-correct

Model	Fixed effects	AIC	Likelihood ratio test
1	Exposure condition Step Language Exposure condition x Step Exposure condition x Language Step x Language Exposure condition x Step x Language	4337.8	
2	Exposure condition Step Language Exposure condition x Step Exposure condition x Language Step x Language	4331.6	$X^2(4) = 1.794, p=0.774$
3	Exposure condition Step Language Exposure condition x Step Step x Language	4329.8	$X^2(1) = 0.220, p=0.639$
4	Exposure condition Step Language Exposure condition x Step	4329.6	$X^2(4) = 7.812, p=0.099$

5 Exposure condition 4329.1 $X^2 (1) = 1.505, p=0.220$
Step
Exposure condition x Step

Table S8. *Comparison of native and non-native listeners: alive-arrive*

Model	Fixed effects	AIC	Likelihood ratio test
1	Exposure condition	4464.0	
	Step		
	Language		
	Exposure condition x Step		
	Exposure condition x Language		
	Step x Language		
	Exposure condition x Step x Language		