

Supplemental Material S2. Full model results in the by-syllable and by-gender analysis in the ABX tasks.

For purposes of clarity, Tables 4 and 5 in the manuscript only listed significant predictors in the by-gender and by-syllable analysis of the ABX discrimination performance (for T1-T2 and T1-T4, respectively). Tables S1 and S2 below show the full models with all the predictors that were entered into the model.

Table S2.1. Full model results for the by-gender and by-syllable models on participants' accuracy in the ABX discrimination task for T1-T2. $\alpha = .05$.

The Model of Pre-test vs Post-test 1, T1-T2				
Variables	Est.	SE	z	p
(Intercept)	2.668	0.12	22.288	<.001
Distribution	0.024	0.233	0.101	0.919
Session	0.195	0.086	2.269	0.023
Gender	-0.129	0.086	-1.501	0.133
Syllable	0.005	0.086	0.061	0.951
Distribution*Session	0.044	0.172	0.255	0.798
Distribution*Gender	0.063	0.172	0.365	0.715
Session*Gender	-0.008	0.172	-0.046	0.963
Distribution*Syllable	0.048	0.171	0.282	0.778
Session*Syllable	0.232	0.171	1.356	0.175
Gender*Syllable	0.462	0.172	2.69	<.01
Distribution*Session*Gender	-0.417	0.343	-1.216	0.224
Distribution*Session*Syllable	0.054	0.343	0.156	0.876
Distribution*Gender*Syllable	-0.16	0.343	-0.467	0.641
Session*Gender*Syllable	-0.089	0.343	-0.26	0.795
Distribution*Session*Gender*Syllable	-0.386	0.686	-0.563	0.573

The Model of Pre-test vs Post-test 2, T1-T2				
Variables	Est.	SE	z	p
(Intercept)	2.668	0.12	22.288	<.001
Distribution	0.024	0.233	0.101	0.919
Session	0.195	0.086	2.269	0.023
Gender	-0.129	0.086	-1.501	0.133
Syllable	0.005	0.086	0.061	0.951
Distribution*Session	0.044	0.172	0.255	0.798
Distribution*Gender	0.063	0.172	0.365	0.715
Session*Gender	-0.008	0.172	-0.046	0.963
Distribution*Syllable	0.048	0.171	0.282	0.778
Session*Syllable	0.232	0.171	1.356	0.175
Gender*Syllable	0.462	0.172	2.69	<.01
Distribution*Session*Gender	-0.417	0.343	-1.216	0.224
Distribution*Session*Syllable	0.054	0.343	0.156	0.876
Distribution*Gender*Syllable	-0.16	0.343	-0.467	0.641
Session*Gender*Syllable	-0.089	0.343	-0.26	0.795
Distribution*Session*Gender*Syllable	-0.386	0.686	-0.563	0.573

Table S2.2. Full model results for the by-gender and by-syllable models on participants' accuracy in the ABX discrimination task for T1-T4. $\alpha = .05$.

The Model of Pre-test vs Post-test 1, T1-T4				
Variables	Est.	SE	z	p
(Intercept)	1.587	0.095	16.757	<.001
Distribution	-0.071	0.187	-0.379	0.705
Session	0.077	0.063	1.212	0.225
Gender	-0.048	0.063	-0.765	0.444
Syllable	0.624	0.063	9.844	<.001
Distribution*Session	-0.181	0.127	-1.429	0.153
Distribution*Gender	0.06	0.127	0.473	0.636
Session*Gender	0.065	0.127	0.51	0.61
Distribution*Syllable	-0.027	0.127	-0.209	0.834
Session*Syllable	-0.037	0.127	-0.29	0.772
Gender*Syllable	0.53	0.127	4.18	<.001
Distribution*Session*Gender	0.026	0.253	0.104	0.917
Distribution*Session*Syllable	-0.166	0.253	-0.656	0.512
Distribution*Gender*Syllable	-0.494	0.253	-1.948	0.051
Session*Gender*Syllable	0.152	0.253	0.6	0.548
Distribution*Session*Gender*Syllable	-0.232	0.506	-0.459	0.646

The Model of Pre-test vs Post-test 2, T1-T4				
Variables	Est.	SE	z	p
(Intercept)	1.665	0.104	16.005	<.001
Distribution	-0.166	0.207	-0.799	0.425
Session	0.181	0.064	2.806	<.01
Gender	0.005	0.064	0.073	0.942
Syllable	0.606	0.064	9.435	<.001
Distribution*Session	-0.265	0.129	-2.059	0.039
Distribution*Gender	0.002	0.128	0.019	0.985
Session*Gender	0.172	0.128	1.345	0.179
Distribution*Syllable	0.014	0.128	0.113	0.91
Session*Syllable	-0.077	0.128	-0.601	0.548
Gender*Syllable	0.636	0.128	4.957	<.001
Distribution*Session*Gender	-0.1	0.256	-0.391	0.696
Distribution*Session*Syllable	-0.086	0.256	-0.335	0.737
Distribution*Gender*Syllable	-0.454	0.256	-1.769	0.077
Session*Gender*Syllable	0.345	0.256	1.348	0.178
Distribution*Session*Gender*Syllable	-0.13	0.512	-0.254	0.8