

**Supplemental Table S7.** Generalized linear mixed-effects model with gender, task, and congruence as the fixed effects, and accuracy as the dependent variable in Experiment 2 (pairwise contrasts are indented).

<b>Parameter</b>	<b>Estimate</b>	<b>Standard error (SE)</b>	<b>z ratio</b>	<b>p</b>	<b>Cohen’s d [95% CI]</b>
<b>Gender</b>					
female vs. male	0.40	0.18	2.20	.028	0.25 [0.03, 0.47]
<b>Task</b>					
prosodic vs. semantic	0.04	0.22	0.18	.855	0.02 [-0.20, 0.24]
<b>Congruence</b>					
congruent vs. incongruent	1.09	0.18	6.02	< .0001	0.68 [0.46, 0.90]
<b>Gender * Task</b>					
prosodic (female vs. male)	0.80	0.22	3.60	.0003	0.41 [0.19, 0.63]
semantic (female vs. male)	0.04	0.21	0.19	.849	0.02 [-0.20, 0.24]
<b>Task * Congruence</b>					
congruent (prosodic vs. semantic)	0.86	0.25	3.43	.001	0.39 [0.17, 0.61]
incongruent (prosodic vs. semantic)	1.33	0.26	5.23	< .0001	0.59 [0.37, 0.81]
<b>Gender * Congruence</b>					
congruent (female vs. male)	0.34	0.26	1.32	.189	0.15 [-0.07, 0.37]
incongruent (female vs. male)	0.46	0.20	2.28	.023	0.26 [0.04, 0.48]
<b>Gender * Task * Congruence</b>					
congruent, prosodic (female vs. male)	0.70	0.33	2.14	.032	0.24 [0.02, 0.46]
incongruent, prosodic (female vs. male)	0.85	0.26	3.34	.001	0.38 [0.16, 0.60]
congruent, semantic (female vs. male)	-0.01	0.35	-0.03	.975	-0.003 [-0.23, 0.22]
incongruent, semantic (female vs. male)	0.06	0.23	0.25	.799	0.03 [-0.19, 0.25]

*Note.* The female participants, the prosodic task, and the congruent stimuli were used as the default level of gender, task, and congruence respectively.