

**Supplemental Material S1.** Estimated pairwise differences for speech intelligibility (%) from the final model.

Frequency	Estimated difference	Standard error	<i>df</i>	<i>t</i>	Lower CI	Upper CI	<i>p</i>	Effect size
Low–mid	1.191	0.793	228.1	1.50	–0.372	2.753	.135	0.235
Low–high	2.896	1.016	228.1	2.85	0.894	4.898	.005	0.570
Mid–high	1.706	0.885	228.2	1.93	–0.038	3.449	.055	0.336