

Appendix S1

Stimuli characteristics

Table S1. Summary of formant differences (in Bark, absolute values are reported) for a pair of vowel stimuli in a given language.

	F1	F2	F3	F3 minus F2
Polish /i/ minus Polish /ɛ/	1.7	0.11	0.23	0.12
English /t/ minus English /ʊ/	0.04	2.03	0.03	2.06
Norwegian /i/ minus Norwegian /y/	0.44	0.33	0.30	0.03

Table S2. Summary of formant differences for language pairs of interest (in Bark, absolute values are reported).

Language pairs	F1 difference	F2 difference	F3 difference	F3-F2 differenc	Euclidean distance (F1&F2) difference	Euclidean distance (F1, F2 & F3) difference
English minus Polish	1.74	1.92	0.26	1.94	2.72	2.46
Norwegian minus Polish	2.14	0.22	0.53	0.09	1.2	0.8
English minus Norwegian	0.40	1.69	0.27	2.02	3.91	3.27