

Supplemental Material S1. Confusion matrices for each vowel for each condition for Speaker One, where numbers are raw values and indicate the number of tokens identified out of the corpus of 80 classifications per vowel; target vowels are indicated with phonetic (International Phonetic Alphabet [IPA]) notation; corresponding perceived vowels are indicated with orthographic notation.

Original <i>Target</i>	<i>Perceived</i>											% Accuracy
	ei	ar	ae	iy	er	eh	ih	oa	uu	ah	uh	
/e/	67	0	0	5	0	0	6	2	0	0	0	83.75%
aR	0	79	0	0	1	0	0	0	0	0	0	98.75%
/ae/	0	0	18	0	0	62	0	0	0	0	0	22.50%
/i/	0	0	1	77	0	2	0	0	0	0	0	96.25%
eR	0	8	0	0	71	0	0	1	0	0	0	88.75%
/E/	0	0	0	0	2	71	7	0	0	0	0	88.75%
/I/	1	0	1	0	0	17	61	0	0	0	0	76.25%
/o/	0	0	0	0	10	2	0	55	7	0	6	68.75%
/u/	0	0	0	1	1	0	4	0	74	0	0	92.50%
/a/	0	0	0	0	0	0	0	0	0	79	1	98.75%
/^/	0	0	1	0	8	28	1	0	0	0	42	52.50%

Resampled <i>Target</i>	<i>Perceived</i>											% Accuracy
	ei	ar	ae	iy	er	eh	ih	oa	uu	ah	uh	
/e/	67	0	0	8	0	1	2	0	2	0	0	83.75%
aR	0	77	0	0	1	0	0	2	0	0	0	96.25%
/ae/	0	0	13	0	0	67	0	0	0	0	0	16.25%
/i/	1	0	0	78	0	1	0	0	0	0	0	97.50%
eR	1	4	0	0	72	0	0	0	0	0	3	90.00%
/E/	0	0	2	0	1	70	5	1	0	0	1	87.50%
/I/	3	0	0	1	0	11	65	0	0	0	0	81.25%
/o/	0	0	0	0	8	2	0	54	9	0	7	67.50%
/u/	1	0	0	2	3	1	1	1	71	0	0	88.75%
/a/	0	2	1	0	0	0	0	0	0	76	1	95.00%
/^/	0	0	1	0	7	35	1	0	0	0	36	45.00%

Transcoded <i>Target</i>	<i>Perceived</i>											% Accuracy
	ei	ar	ae	iy	er	eh	ih	oa	uu	ah	uh	
/e/	22	0	1	29	0	3	23	0	2	0	0	27.50%
aR	0	79	0	0	1	0	0	0	0	0	0	98.75%
/ae/	0	0	12	0	0	68	0	0	0	0	0	15.00%
/i/	1	0	1	76	0	1	1	0	0	0	0	95.00%
eR	0	6	0	0	68	0	0	1	4	0	1	85.00%

/E/	0	0	1	0	4	72	2	1	0	0	0	90.00%
/I/	1	0	2	0	0	12	63	0	2	0	0	78.75%
/o/	0	0	0	0	9	1	0	37	13	0	20	46.25%
/u/	0	0	0	3	0	2	3	1	70	0	1	87.50%
/a/	0	2	0	0	0	0	0	1	0	77	0	96.25%
/^/	0	0	1	0	7	37	0	0	1	0	34	42.50%