Ground truth \ Predicted labels	/sil/	/a/	/Ê/	/Û/	/Ô/	/u/	/y/	/i/	/ã/	/õ/	/µ/	/w/	/ɥ/	/j/	/l/	/ʁ/	/n/	/m/	/ɲ/	/p/	/t/	/k/	/b/	/d/	/g/	/f/	/s/	/ʃ/	/v/	/z/	/ʒ/
/sil/	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan
/a/	0.5	49.4	3.0	4.6	1.8	0.0	0.1	0.0	0.5	0.1	27.2	0.3	0.0	0.2	2.4	2.5	1.5	1.3	0.5	0.4	0.4	0.2	0.3	0.2	0.1	0.1	0.5	0.1	0.9	0.6	0.3
/Ê/	2.3	4.5	52.3	15.1	0.4	0.1	1.3	1.8	0.0	0.3	6.9	0.1	0.2	0.9	2.9	0.8	1.4	0.8	0.5	0.4	0.7	0.5	0.2	0.2	0.2	0.2	0.7	0.4	0.8	2.0	0.7
/Û/	2.4	4.1	5.8	54.4	5.2	0.8	1.5	0.3	0.4	0.2	7.5	0.3	0.3	0.5	5.2	1.5	1.9	1.4	0.6	0.1	0.3	0.1	0.5	0.5	0.8	0.2	0.4	0.1	0.8	1.5	0.3
/Ô/	0.3	3.1	0.4	13.7	48.6	3.1	0.1	0.0	4.6	4.9	6.7	2.3	0.0	0.0	1.4	3.3	1.6	2.3	0.3	0.0	0.0	0.2	1.5	0.2	0.2	0.1	0.0	0.0	0.6	0.3	0.1
/u/	0.8	0.5	0.1	19.5	8.0	40.4	2.0	1.4	0.3	2.5	1.5	2.4	0.1	0.1	3.6	1.1	5.0	3.0	0.5	0.5	0.6	0.2	0.6	0.2	0.2	0.1	0.1	0.0	3.1	1.4	0.1
/y/	0.4	0.1	8.7	13.9	0.2	0.6	38.5	3.2	0.0	0.1	0.7	0.0	2.4	1.5	11.7	0.2	5.0	2.7	2.6	0.0	0.0	0.3	0.4	1.3	0.4	0.0	0.0	0.0	0.6	2.7	1.8
/i/	1.7	0.1	20.7	5.2	0.5	0.2	5.9	37.1	0.0	0.5	0.7	0.0	0.3	2.1	9.6	0.3	5.2	0.6	3.6	0.1	0.5	0.1	0.6	0.6	0.5	0.1	0.5	0.0	0.3	1.9	0.5
/ã/	0.3	17.0	1.3	5.8	6.8	0.7	0.2	0.2	15.4	2.1	29.6	0.5	0.0	0.2	3.2	2.1	7.4	2.0	1.2	0.2	0.4	0.1	0.4	0.8	0.5	0.1	0.1	0.0	0.3	0.5	0.8
/õ/	0.1	1.9	0.3	11.3	17.3	2.4	0.0	0.1	15.0	14.1	11.4	1.3	0.0	0.2	1.6	1.4	6.2	5.6	0.9	0.3	0.7	0.4	1.5	2.3	1.1	0.2	0.2	0.1	0.9	1.3	0.1
/µ/	0.8	6.9	18.0	8.5	0.5	0.0	0.3	0.6	0.1	0.9	47.3	0.1	0.0	0.4	2.2	0.9	5.7	2.3	0.8	0.0	0.2	0.2	0.8	0.4	0.7	0.0	0.0	0.0	0.2	1.1	0.0
/w/	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan
/ɥ/	0.0	0.0	0.0	27.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.5	0.0	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
/j/	0.1	0.4	22.0	10.1	0.1	0.1	5.5	6.5	0.0	0.0	3.5	0.0	1.8	31.1	3.6	1.4	0.7	0.4	2.9	0.1	0.4	0.3	0.0	0.2	0.1	0.0	2.5	0.8	0.7	3.5	1.1
/l/	1.1	2.3	5.7	15.1	0.9	0.8	3.1	1.9	0.1	0.2	2.3	0.5	0.6	2.9	44.8	0.9	4.7	1.9	1.8	0.0	0.2	0.2	0.4	1.7	0.5	0.1	0.3	0.2	0.9	3.1	0.7
/ʁ/	3.2	5.7	3.3	9.9	3.0	0.4	0.4	0.5	1.7	0.8	11.0	0.7	0.3	0.3	1.5	45.0	1.0	0.8	0.3	0.2	0.9	1.1	0.3	0.8	0.6	0.4	0.7	0.1	1.4	3.3	0.4
/n/	0.3	0.8	2.7	8.7	1.6	0.4	1.9	1.9	0.1	0.4	2.4	0.2	0.8	0.9	9.8	0.3	47.5	9.1	6.9	0.0	0.1	0.1	0.4	1.1	0.7	0.0	0.0	0.0	0.2	0.8	0.1
/m/	0.6	1.5	1.7	4.6	0.8	0.2	0.6	0.1	0.3	0.3	2.2	0.5	0.5	0.2	4.4	0.4	10.7	65.8	0.5	0.1	0.1	0.0	2.0	0.6	0.3	0.1	0.1	0.0	0.4	0.3	0.0
/ɲ/	0.5	2.2	2.2	7.6	0.6	0.7	2.0	1.0	0.0	0.1	6.4	0.5	0.0	0.7	5.5	0.9	16.1	1.9	46.2	0.0	0.0	0.1	0.1	1.0	2.5	0.0	0.0	0.0	0.1	0.5	0.3
/p/	6.0	1.9	1.7	2.7	0.3	0.4	0.3	0.1	0.4	0.1	2.9	0.2	0.2	0.2	1.4	1.5	0.8	1.4	0.3	50.1	8.3	2.3	3.8	0.8	0.6	2.8	1.1	0.1	4.0	3.3	0.1
/t/	6.0	0.9	2.4	2.8	0.3	0.9	0.3	0.5	0.1	0.1	2.8	0.1	0.1	1.0	2.9	0.9	2.0	0.9	0.5	2.7	42.8	7.3	0.4	4.0	0.8	0.9	6.1	0.3	1.0	7.0	1.1
/k/	6.2	2.6	2.1	1.6	1.0	0.1	0.2	0.4	0.3	0.1	4.0	0.5	0.0	0.8	2.3	6.2	0.4	0.1	0.6	0.9	4.0	44.6	0.0	0.1	2.0	2.7	7.4	0.9	0.8	6.5	0.8
/b/	0.8	0.6	1.3	3.5	1.6	0.3	0.1	0.2	0.1	0.0	0.9	0.7	0.3	0.1	1.3	0.5	3.9	18.3	0.0	0.8	0.3	0.2	53.8	2.9	0.8	0.2	0.1	0.0	5.2	1.3	0.0
/d/	0.7	1.2	2.6	6.7	0.7	0.2	1.0	0.3	0.2	0.3	2.1	0.1	0.6	2.7	10.6	0.9	12.2	2.6	2.5	0.2	1.5	0.3	3.3	34.6	2.9	0.0	0.6	0.0	2.2	5.2	1.1
/g/	0.9	0.8	4.4	9.6	1.3	0.2	0.6	0.2	0.1	0.1	2.0	0.3	0.3	4.8	3.0	5.2	5.2	1.2	0.1	0.0	0.6	0.3	1.5	4.8	44.6	0.0	0.0	0.0	3.5	3.9	0.6
/f/	2.8	1.8	0.3	3.9	0.4	0.0	0.0	0.1	0.3	0.0	6.3	0.5	0.0	0.0	0.4	1.8	1.5	0.8	0.1	1.4	2.7	0.8	0.1	0.4	0.2	32.7	26.0	0.1	8.7	6.0	0.0
/s/	6.3	0.6	2.4	1.6	0.5	0.1	0.4	0.5	0.1	0.1	1.9	0.2	0.1	1.4	1.0	0.5	0.2	0.1	0.1	0.1	1.6	1.7	0.0	0.3	0.0	3.2	63.2	2.3	0.6	7.6	1.1
/ʃ/	1.7	0.1	3.1	0.6	0.3	0.1	0.5	1.2	0.0	0.1	0.8	0.0	0.3	5.0	1.6	0.1	0.0	0.0	0.0	0.0	0.3	1.8	0.0	0.0	0.1	1.6	28.6	41.2	0.4	5.2	5.0
/v/	1.8	1.2	2.6	8.7	0.7	1.5	0.4	0.2	0.1	0.2	2.1	0.7	0.5	0.4	4.4	2.8	3.1	4.9	0.1	0.2	0.2	0.1	3.7	2.6	1.2	1.0	0.8	0.3	45.9	7.2	0.3
/z/	9.3	0.4	1.3	6.5	0.0	0.5	1.3	1.4	0.4	0.0	3.2	0.1	0.3	0.6	0.9	2.2	1.8	1.7	0.0	0.0	1.5	1.4	0.8	0.8	0.8	0.9	16.3	2.8	2.0	37.1	4.1
/ʒ/	0.4	1.3	4.3	5.6	0.2	0.2	2.0	1.4	0.0	0.0	3.8	0.0	0.4	3.6	2.3	0.6	0.9	0.3	0.4	0.0	0.0	0.0	0.0	0.3	0.7	0.4	0.4	1.6	5.1	20.5	43.0