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/	0.6	41.3	3.4	5.0	1.2	0.1	0.1	0.0	1.3	0.2	33.4	0.5	0.0	0.3	3.0	2.9	2.1	0.8	0.4	0.4	0.6	0.2	0.3	0.3	0.2	0.1	0.3	0.1	0.4	0.4	0.3
/Ê/	1.8	3.5	46.0	15.0	0.3	0.1	1.0	2.3	0.1	0.8	8.8	0.1	0.2	1.1	5.9	0.8	2.5	1.2	0.7	0.6	1.6	0.6	0.5	0.6	0.5	0.2	0.5	0.2	0.7	1.4	0.4
/Û/	1.5	3.4	5.6	46.0	4.7	0.6	1.1	0.4	0.6	0.8	9.6	0.4	0.1	0.6	8.1	2.0	3.9	2.9	0.6	0.5	1.2	0.2	1.1	1.2	0.6	0.2	0.3	0.1	0.7	1.0	0.3
/Ô/	0.3	2.3	0.4	10.2	36.0	3.0	0.0	0.0	9.4	9.7	9.1	3.6	0.0	0.1	2.2	4.2	2.1	2.4	0.2	0.3	0.3	0.1	2.9	0.4	0.1	0.0	0.0	0.0	0.4	0.2	0.0
/u/	0.6	0.4	0.2	13.9	6.4	25.3	1.0	0.6	0.8	2.9	1.3	3.1	0.0	0.0	5.8	0.9	10.2	12.4	1.1	0.8	1.3	0.2	4.7	1.6	0.7	0.0	0.1	0.0	2.5	0.9	0.1
/y/	0.5	0.0	5.6	12.2	0.1	0.4	28.2	2.9	0.0	0.3	0.4	0.0	2.1	1.2	21.3	0.1	9.7	5.0	1.6	0.1	0.5	0.1	1.3	3.0	0.9	0.0	0.0	0.0	0.3	2.0	0.3
/i/	1.4	0.2	14.3	7.7	0.5	0.3	4.0	31.3	0.0	0.6	0.6	0.1	0.5	2.1	13.1	0.3	7.6	1.7	5.3	0.4	1.6	0.2	0.7	1.7	0.6	0.1	0.6	0.0	0.2	1.9	0.3
/ã/	0.2	14.0	1.4	5.4	3.3	0.3	0.1	0.1	17.3	4.0	30.7	0.9	0.0	0.0	3.9	2.6	6.5	2.9	0.7	0.5	0.5	0.2	1.2	1.9	0.5	0.0	0.0	0.0	0.4	0.3	0.1
/õ/	0.2	0.6	0.6	10.1	7.9	1.2	0.0	0.0	15.5	14.8	11.9	1.5	0.0	0.1	2.7	2.3	6.8	7.9	0.7	0.8	0.8	0.3	5.9	4.3	1.6	0.1	0.2	0.0	0.5	0.8	0.0
/µ/	1.5	7.8	15.6	7.3	0.3	0.1	0.3	0.4	0.3	1.9	44.7	0.2	0.0	0.4	3.6	1.0	5.7	2.6	0.6	0.3	0.7	0.3	1.3	1.0	1.1	0.0	0.0	0.0	0.1	0.7	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/	27.3	0.0	0.0	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	18.2	9.1	0.0	0.0	0.0	0.0	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
/j/	0.1	0.8	22.5	7.2	0.2	0.6	5.4	11.2	0.0	0.4	3.3	0.2	1.2	17.8	10.0	1.7	2.5	0.7	1.4	0.0	1.4	0.7	0.1	0.6	0.4	0.4	2.7	1.5	0.4	2.8	1.8
/l/	1.0	1.5	4.9	13.7	0.6	0.6	2.8	2.2	0.1	0.3	2.4	0.7	0.5	2.0	43.6	1.1	7.0	4.0	1.4	0.3	0.8	0.4	1.2	2.7	0.5	0.1	0.3	0.1	0.7	2.4	0.3
/ʁ/	3.8	5.4	3.1	8.3	2.4	0.4	0.2	0.2	4.0	1.3	11.4	0.8	0.2	0.1	3.0	39.5	1.5	1.2	0.2	1.3	2.9	1.1	0.6	0.8	0.6	0.4	0.6	0.1	1.4	2.9	0.2
/n/	0.4	0.6	1.6	7.3	1.0	0.3	0.8	1.3	0.2	0.5	2.4	0.3	0.2	0.7	10.4	0.4	43.4	13.8	6.5	0.1	0.3	0.1	2.5	3.6	0.8	0.1	0.0	0.0	0.1	0.4	0.1
/m/	0.4	1.1	1.0	3.1	0.6	0.1	0.3	0.1	0.6	0.8	3.8	0.4	0.1	0.1	4.0	0.5	14.3	60.3	0.6	0.3	0.4	0.0	4.7	1.4	0.2	0.1	0.0	0.0	0.4	0.3	0.0
/ɲ/	0.5	2.0	1.5	4.6	0.5	0.6	1.3	2.9	0.3	0.8	5.7	0.5	0.2	1.3	9.3	0.5	21.1	5.0	30.3	0.5	0.4	0.1	3.3	4.1	2.1	0.0	0.0	0.0	0.1	0.8	0.1
/p/	5.3	1.9	2.3	1.5	0.2	0.4	0.2	0.1	0.3	0.1	2.0	0.4	0.1	0.1	2.2	0.7	1.8	1.8	0.1	45.1	13.9	2.7	5.1	2.2	1.1	2.1	0.8	0.0	2.6	2.6	0.1
/t/	5.0	0.9	2.1	1.6	0.2	0.5	0.2	0.4	0.2	0.3	2.4	0.1	0.1	0.6	3.9	0.8	1.7	1.0	0.4	6.2	42.2	6.9	1.3	5.8	1.2	1.1	5.2	0.1	1.2	6.0	0.6
/k/	6.6	1.6	2.5	1.2	0.3	0.1	0.2	0.5	0.3	0.2	2.3	0.6	0.1	0.6	4.5	6.1	0.6	0.6	0.6	3.1	10.5	36.8	0.2	1.0	3.8	2.4	5.6	0.4	0.9	5.4	0.5
/b/	0.7	0.4	0.9	2.1	0.8	0.5	0.3	0.2	0.1	0.2	1.1	0.6	0.2	0.1	2.2	0.3	4.2	15.8	0.0	1.3	0.5	0.3	55.7	4.6	1.4	0.2	0.0	0.0	4.1	1.3	0.0
/d/	0.5	0.9	1.6	3.9	0.4	0.3	0.5	0.5	0.3	0.3	2.1	0.2	0.1	1.4	11.8	0.9	11.4	3.0	1.5	0.6	2.1	0.5	6.8	38.0	3.6	0.1	0.4	0.0	1.5	4.5	0.5
/g/	0.4	1.5	3.1	7.9	1.0	0.5	1.8	0.7	0.3	0.2	1.7	0.5	0.7	3.7	7.0	4.1	5.3	2.3	0.3	0.0	1.0	1.4	4.2	5.4	37.4	0.1	0.1	0.0	2.6	4.0	0.6
/f/	4.4	1.2	0.7	2.5	0.3	0.0	0.0	0.1	0.1	0.0	4.7	1.0	0.0	0.0	1.4	3.3	2.3	1.5	0.2	3.2	6.1	0.9	0.6	2.5	0.5	26.0	21.3	0.1	8.0	7.0	0.1
/s/	5.7	0.7	1.9	1.0	0.2	0.0	0.3	0.4	0.1	0.1	1.6	0.3	0.1	0.9	1.9	0.7	0.5	0.2	0.1	1.1	5.8	1.9	0.1	0.4	0.1	3.3	55.7	2.4	1.0	10.0	1.6
/ʃ/	1.7	0.2	3.3	0.4	0.1	0.0	0.3	1.1	0.0	0.2	0.7	0.2	0.5	4.2	3.9	0.2	0.3	0.3	0.0	0.5	2.5	3.4	0.0	0.2	0.0	2.5	26.2	27.5	0.7	6.2	12.6
/v/	1.4	1.2	1.8	8.3	0.7	2.4	0.2	0.2	0.3	0.3	2.9	0.7	0.2	0.1	6.8	3.0	4.7	5.9	0.1	0.6	1.4	0.3	5.8	4.3	1.1	0.7	1.0	0.0	37.1	6.2	0.1
/z/	7.6	0.5	1.4	2.8	0.1	0.5	1.3	2.6	0.1	0.3	2.6	0.1	0.3	0.4	3.9	2.3	3.0	1.0	0.0	1.3	4.0	1.0	2.4	2.4	1.9	1.5	14.0	0.8	1.0	35.6	3.1
/ʒ/	0.5	0.6	3.7	5.8	0.2	1.0	2.0	2.2	0.3	0.5	3.8	0.1	0.3	3.3	9.3	0.7	1.9	1.2	0.6	0.4	0.7	0.2	0.2	0.9	0.7	0.7	1.1	1.4	4.5	19.6	31.7