

ASJP vowel features							
segment	high	mid	low	front	central	back	rounded
i	1	0	0	1	0	0	1
e	0	1	0	1	0	0	1
E	0	0	1	1	0	0	1
ɜ	1	1	0	0	0	1	0
a	0	0	1	0	1	0	0
u	1	0	0	0	0	1	1
o	0	1	1	0	0	1	1

ASJP consonant feature encodings																
segment	voiced	labial	dental	alveolar	palatal	velar	uvular	glottal	stop	fricative	affricate	nasal	click	approximant	lateral	rhotic
p	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0
b	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0
f	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0
v	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0
m	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
ɱ	1	1	1	0	0	0	0	0	1	1	0	1	0	0	0	0
ɸ	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
t	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
ʈ	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0
d	1	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0
s	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0
z	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
c	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
ɟ	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
n	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
ɳ	1	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0
S	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
Z	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
ʑ	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0
ɻ	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
l̥	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
l̥ʰ	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
ʃ	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
ʂ	1	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0
ʈʰ	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0
k	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0
g	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
x	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
ɲ	1	0	0	0	0	1	0	0	0	1	0	1	0	0	0	0
ŋ	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
q	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
ɕ	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
X	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
ʎ	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
ɣ	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
h	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0
l̥ʰ	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
L	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
l	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0
w	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0
y	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0
r	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
ɹ	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
ɻ	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1