NOMENCLATURE

The following nomenclature defines the symbols used throughout the thesis.

\( \emptyset \) - zero
\( @ \) - nonlow central vowel
\( j \) - nonlow central unrounded retracted vowel
\( a \) - low central vowel
\( A \) - low central unrounded long vowel
\( b \) - labial, voiced unaspirated stop
\( b' \) - labial, voiced aspirated stop
\( c \) - palatal, voiceless unaspirated affricate
\( d \) - dental, voiced unaspirated stop
\( d' \) - dental, voiced aspirated stop
\( D \) - alveolar, voiced unaspirated stop
\( D' \) - alveolar, voiced aspirated stop
\( e \) - nonhigh front vowel
\( E \) - low front unrounded long vowel
\( g \) - velar, voiced unaspirated stop
\( g' \) - velar, voiced aspirated stop
\( h \) - glottal, voiceless fricative
\( i \) - high front vowel
\( I \) - high front unrounded vowel
\( j \) - palatal, voiced affricate
\( k \) - velar, voiceless unaspirated stop
\( k' \) - velar, voiceless aspirated stop
\( \sim \) - indicates alternant
l - alveolar, voiced lateral
L - retroflex voiced lateral
m - bilabial, voiced nasal
n - alveolar, voiced nasal
N - retroflex voiced nasal
o - nonhigh back rounded vowel
O - low back rounded long vowel
p - labial, voiceless unaspirated stop
p' - dental, voiceless aspirated stop
r - alveolar, voiced trill
s - dental, voiceless fricative
t - dental, voiceless unaspirated stop
t' - dental, voiceless aspirated stop
T - alveolar, voiceless unaspirated stop
T' - alveolar, voiceless aspirated stop
u - high back vowel
U - high back rounded long vowel
w - bilabial rounded semivowel
y - frontal unrounded semivowel
z - palatal, voiced aspirated affricate
- - nasalization of vowels
Jo - velar, voiced nasal
+ - juncture or plus

\( \hat{0} \hat{0} \hat{0} \hat{0} \) or \{ \} indicates the morphemic status of the given item. The phonemic data is given in parallel bars. Where the bars are not there the data is phonetic. Space between two items indicates juncture.