

Table 1: Chaoyang ideophone roots with /k/ in coda position.

khak	sound of coughing up phlegm
khiak	sound of beating a small drum or metal hammering, sound of wooden clogs; of squeezing a radish (MOTION? TACTILE?)
kok	sound of hen clucking
pak	sound of gunfire, sound of object bursting or cracking
phak	sound of palm swatting a mosquito
phok	sound of window paper flapping in the wind
piak	sound of gunfire, sound of object bursting or cracking
pok	sound of clapping, sound of far off gunfire; throbbing headache (COGNITIVE)
siak	sound of things being thrown; of an irritating or frustrating issue (COGNITIVE)
tiak	clacking sound of an abacus
tik.tok	sound of ticking of a clock

Table 2: Chaoyang ideophone roots with /ŋ/ in coda position.

khŋ	sound of sniffing from a cold; of an arrogant manner (COGNITIVE)
kuaŋ	sound of canon fire
loŋ	sound of ringing in the ears
phoŋ	sound of firecrackers
paŋ	sound of firecrackers
piŋ.paŋ	sound of firecrackers; of an uncultured manner (COGNITIVE)
poŋ	sound of gunfire
toŋ	nimble and quick movement (MOTION)

Table 3: Chaoyang ideophone roots with /p/ in coda position.

ap	sound of duck quacking
hop	rushing, being busy (MOTION)
hōp	sound of chewing crunchy or crispy food, sound of mice nibbling
hop	sound of walking in leather shoes; sound of object smashing
ip	of a dull ache (COGNITIVE)
āp	object being squeezed or squished (MOTION/TACTILE)
kop	sound of boiling or simmering pot; sneaking up on somebody (tip-toeing)
lop	sound of boiling or simmering pot, sound of mouse loosening rice container lid
niāp	grumbling
op	sound of frog croaking
sop	sound of chewing crunchy candy
top	sound of water dripping; sneaking up on somebody (tip-toeing)
tsiap	sound of chewing chewy food
tsop	sound of walking in sopping wet shoes

Table 4: Chaoyang ideophone roots with /m/ in coda position.

hom	sound of mosquitoes buzzing, sound of strong wind blowing, sound of a big stir or commotion
khom	sound of loud coughing
kom	sound of canon fire
lom	sound of water sloshing, sound of heavy object hitting the ground; of objects bumping into each other (SOUND/MOTION)
om	sound of speech echoing
tom	sound of beating a drum, sound of water sloshing in a container, sound of wading through water; of being nose-y (COGNITIVE)
tshom	sound of beating drums or gongs

Table 5: Chaoyang ideophone roots with /ʔ/ in coda position

ãʔ	object being squeezed or squished (MOTION/SENSORY)
ãiʔ	sound of door creaking open
âuʔ	sound of grumbling; unwilling (COGNITIVE)
haʔ	sound of laughter
heʔ	to be startled or so scared that one's heart races (COGNITIVE)
hêʔ	manner of arrogance (COGNITIVE)
hŋʔ	sound of a child moaning when ill
hoʔ	cheerfulness (COGNITIVE)
hõiʔ	sound of panting
huãiʔ	mice nibbling (SOUND/MOTION)
huʔ	rushing back and forth (MOTION); being busy (MOTION/COGNITIVE)
kauʔ	sound of muttering or mumbling
keʔ	sound of hen clucking after laying an egg
kheʔ	sound of laughter
khuʔ	sound of breathing with a phlegmy throat
kiuʔ	sound of wiping down a table
kuʔ	sound of tsking, tutting, or grumbling
kuaʔ	sound of stomach gurgling; swill or hogwash that has gone bad (SENSORY)
lauʔ	sound of sandals on pavement
liʔ	sound of intense pain which causes one to cry out (SOUND/SENSORY)
liauʔ	sound of wooden sandals
mʔ	manner of being stand-offish or aloof (COGNITIVE)
meʔ	sound of sheep bleating
nõʔ	sound of drunken speech; sound of incoherent speech
ŋâuʔ	sound of disobedient grumbling
ŋeʔ	sound of someone making a fuss; to be baffled or dazed (COGNITIVE)
õʔ	sound of rooster crowing
piâuʔ	sound of knuckles popping
piʔ.puʔ	sound of farting
suʔ	sound of whispering; when food is so spicy or cold that it causes one to blow air out of one's mouth (SOUND/SENSORY)
suaʔ	sound of a stir or bump in the night; tossing and turning when one cannot sleep (MOTION)
thuʔ	sound of breathing with a phlegmy throat
tiauʔ	sound of clacking of an abacus; eloquent and witty speech (SOUND/COGNITIVE)
tshĩʔ	jumbled up speech; extreme and constant business
tshiuʔ	sound of sniffing from a cold

Supplementary Materials: Chaoyang Phonological Roots Listed According to Coda

tshoʔ	rushing back and forth; being busy (MOTION/COGNITIVE)
tshuʔ	sound of mosquito being zapped by electric bug trap
tsiauʔ	sound of footsteps in the night; sound of peeping chicks
tsiʔ	of trying to speak but no words come out (SOUND/MOTION)
tsuʔ	sound of whispering; sound of mouse/rat squeaking
tuʔ	sound of tsking, tutting, or grumbling
uʔ	sound of pig oinking (grunting); ambiguous speech; manner of apathy (COGNITIVE)
uãiʔ	energetic children (SOUND, MOTION, COGNITIVE)
uãiʔ	sound of door creaking open