

Wordlist for N|uu Sound Files that Accompany the following paper:

Miller, A., Brugman, J., Sands, B., Namaseb, L., Exter, M. and Collins, C. (2009) Differences in Airstream and Posterior Place of Articulation among N|uu Clicks, *Journal of the International Phonetic Association*, 39.2, 129-161.

Vowels

Modal Vowels

/i/	[i]	[ᵑᵐii]	l'ii	‘fire’
		[piri]	piri (W)	‘goat’
/e/	[e]	[ᵑᵐee]	l'ee	‘to insert’
	[ɛ]	[ʒɛβe]	jebe	‘salt’
/a/	[a]	[ᵑᵐaa]	l'aa	‘bat-eared fox’
		[lq̣hama]	lqhama	‘aardvark’
	[ə]	[ləβe]	labe	‘leopard’
/o/	[o]	[ʈoo]	ʈoo	‘man’
		[ᵑᵐoβo]	n!obo	‘to mix, stir’
	[ɔ]	[ʈoro]	ʈoro	‘moon’
/u/	[u]	[ᵑᵐuu]	g uu	‘to lie’
		[ᵑᵐ!uru]	!uru	‘tortoise shell container’

Nasalized Vowels

/iⁿ/	[iⁿ]	[kʰiⁿiⁿ]	khîi	‘leg’
/aⁿ/	[aⁿ]	[lχaⁿaⁿ]	lxâa	‘bag’
/uⁿ/	[uⁿ]	[ᵑᵐhûuⁿ]	l'hûu	‘Boer’

Epiglottalized Vowels

/e ^ɕ /	[e ^ɕ]	[ze ^ɕ e ^ɕ]	zeqe	‘to fly’
/a ^ɕ /	[a ^ɕ]	[!a ^ɕ a ^ɕ]	!aqa	‘heaven’
/o ^ɕ /	[o ^ɕ]	[!o ^ɕ o ^ɕ]	!loqo	‘chameleon’
/u ^ɕ /	[u ^ɕ]	[ts ^ɕ u ^ɕ m]	ts’uqm	‘to choke’

Nasalized Epiglottalized Vowels

/a ^{ɕn} /	[a ^{ɕn}]	[!a ^{ɕn} a ^{ɕn}]	‡âqa	‘street between dunes’
/o ^{ɕn} /	[o ^{ɕn}]	[!o ^{ɕn} o ^{ɕn}]	‡ôqo	‘lung’

Modal Diphthongs

/ae/	[ae]	[!ae]	!ae	‘oryx, gemsbok’
/ai/	[ai]	[!ai]	!ai	‘to run’
/ao/	[ao]	[!ao]	!ao	‘bow (and arrows)’
/au/	[au]	[‡hau]	‡hau	‘honey’
/oa/	[oa]	[⁹ !oa]	⁹ !oa	‘spoon’
/oe/	[oe]	[!q̣oe]	!qoe	‘pan (geographic)’
/ui/	[ui]	[!q̣hui]	!qhui	‘vulture’

Nasalized Diphthongs

/a ⁿ i ⁿ /	[a ⁿ i ⁿ]	[!h ⁿ a ⁿ i ⁿ]	!hâi	‘teeth’
/a ⁿ u ⁿ /	[a ⁿ u ⁿ]	[!h ⁿ a ⁿ u ⁿ]	!hâu	‘brother’
/o ⁿ a ⁿ /	[o ⁿ a ⁿ]	[!x ⁿ o ⁿ a ⁿ]	!x’ôa	‘to hunt’
/o ⁿ e ⁿ /	[o ⁿ e ⁿ]	[!q̣o ⁿ e ⁿ a]	‡qôe a	‘to be short’
/u ⁿ i ⁿ /	[u ⁿ i ⁿ]	[su ⁿ i ⁿ]	sûi	‘to sit (one person)’

Epiglottalized Diphthongs

/a ^ɛ e ^ɛ /	[a ^ɛ e ^ɛ]	[la ^ɛ e ^ɛ]	llaqe	‘shoulder’
/a ^ɔ o ^ɔ /	[a ^ɔ o ^ɔ]	[ba ^ɔ o ^ɔ]	baqo (W)	‘to bark’
/o ^ɔ a ^ɔ /	[o ^ɔ a ^ɔ]	[ho ^ɔ a ^ɔ]	lhoqa	‘poison’
/o ^ɛ e ^ɛ /	[o ^ɛ e ^ɛ]	[!o ^ɛ e ^ɛ]	!oqe	‘back of body’

Nasalized Epiglottalized Diphthongs

/a ^ɛ nu ^ɛ n/	[a ^ɛ nu ^ɛ n]	[la ^ɛ nu ^ɛ n]	llaqu	‘raptor’
/o ^ɛ ne ^ɛ n/	[o ^ɛ ne ^ɛ n]	[n ^ɛ o ^ɛ ne ^ɛ n cu]	n ^ɛ ôqe cu	‘navel’
/o ^ɛ na ^ɛ n/	[o ^ɛ na ^ɛ n]	[so ^ɛ na ^ɛ n]	sôqa	‘to blow nose’
/a ^ɛ ni ^ɛ n/	[a ^ɛ ni ^ɛ n]	[!a ^ɛ ni ^ɛ n]	!âqi	‘to be pregnant’

Consonants

Pulmonic Stops

/p/	[p]	[purukutsi]	purukutsi	‘butterfly’
/b/	[b]	[ba ^ɔ o ^ɔ]	baqo (W)	‘to bark’
	[β]	[læβe]	llabe	‘leopard’
/(t)/	[t]	[tirike]	tirike (E)	‘mouse’
/(d)/	[d]	[donkisi]	dongkisi	‘donkey’
/c/	[c]	[cuuke]	cuuke	‘men’
/c ^h /	[c ^h]	[c ^h oe]	choe	‘to be naked’
/ʃ/	[ʃ]	[jama]	jama	‘to show’
/k/	[k]	[kɔro]	koro	‘black-backed jackal’
/k ^h /	[k ^h]	[k ^h i ⁿ i ⁿ]	khîi	‘leg’
/g/	[g]	[gum]	gum	‘cow’
/q/	[q]	[qə ⁿ i ⁿ]	qâi	‘to be startled’
/(ʔ)/	[ʔ]	[ʔa ⁿ a ⁿ]	âa	‘to give’

Pulmonic affricates

/t͡s/	[t͡s]	[t͡sa ⁿ a ⁿ]	tsâa	‘buchu’
/c͡χ/	[c͡χ]	[c͡χum]	cxum	‘strand of beads’

Pulmonic nasals

/m/	[m]	[ᵐq̠ama]	ᵐqhama	‘aardvark’
/n/	[n]	[ᵐɰona]	nᵐona	‘knife’
/ɲ/	[ɲ]	[ɲa ^ɕ n]	nyaqn (W)	‘to share’
/ŋ/	[ŋ]	[ᵐᵐŋ]	nᵐng	‘house’

Pulmonic fricatives

/(f)/	[f]	[fadukusi]	fadukusi	‘dishrag’
/s/	[s]	[saasi]	saasi	‘Bushman’
/z/	[z]	[ze ^ɕ e ^ɕ]	zeqe	‘to fly’
/χ/	[χ]	[χuu]	xuu	‘face’
/h/	[h]	[huni]	huni	‘to stir’

Pulmonic liquids

/ɾ/	[ɾ]	[kɔro]	koro	‘black-backed jackal’
/l/	[l]	[t͡s’o ^ɕ leke]	ts’oqleke	‘to pinch’

Glottalic affricates

/t͡s’/	[t͡s’]	[t͡s’ii]	ts’ii	‘to bite’
/k͡χ’/	[k͡χ’]	[k͡χ’ə ⁿ i ⁿ]	kx’âi	‘to drink’
/q͡χ’/	[q͡χ’]	[q͡χ’o ⁿ e ⁿ]	q’ôe	‘better’

Lingual stops

/ʘ/	[ʘ]	[ʘoαχe]	ʘoaxe	‘daughter’
/l/	[l]	[laa]	laa	‘to hold’
/lh/	[lh]	[l ^h ee]	lhee	‘grass’
/ʑl/	[ʑl]	[ʑluu]	g ^l uu	‘to lie’
/!/	[!]	[!oo]	!oo	‘aardwolf’
/!h/	[!h]	[!hui]	!hui	‘to blow’
/ʑ!/	[ʑ!]	[ʑ!ae]	g [!] ae	‘springbok’
/ll/	[ll]	[llaαχe]	llaaxe	‘sister’
/ll ^h /	[ll ^h]	[ll ^h aa]	llhaa	‘to break’
/ʑll/	[ʑll]	[ʑllaa]	g ^{ll} aa	‘night’
/ʈ/	[ʈ]	[ʈɔro]	ʈoro	‘moon’
/ʈh/	[ʈh]	[ʈ ^h əu]	ʈhau	‘honey’
/ʑʈ/	[ʑʈ]	[ʑʈaoke]	g ^ʈ aoke	‘shepherd’s tree roots’

Lingual nasals

/ᵒʔ/	[ᵒʔ]	[ᵒʔui ʔi]	ᵒʔui i	‘to be sick’
/ᵒ/	[ᵒ]	[ᵒOa]	mOa	‘cat’
/ᵒ h/	[ᵒ h]	[ᵒ hʷuⁿ]	lʰûu	‘Boer’
/ᵒ ʔ/	[ᵒ ʔ]	[ᵒ ʔee]	lʰee	‘to insert’
/ᵒ /	[ᵒ]	[ᵒ uu]	N uu	‘N uu’
/ᵒ!h/	[ᵒ!h]	[ᵒ!hʷaa]	!ʰaa	‘caracal cat’
/ᵒ!ʔ/	[ᵒ!ʔ]	[ᵒ!ʔuru]	!ʰuru	‘tortoise shell container’
/ᵒ!/	[ᵒ!]	[ᵒ!uu]	n!uu	‘to visit’
/ᵒ h/	[ᵒ h]	[ᵒ hʷaasi]	ʰaasi	‘uterus’
/ᵒ ʔ/	[ᵒ ʔ]	[ᵒ ʔaa]	ʰaa	‘bat-eared fox’
/ᵒ /	[ᵒ]	[ᵒ aa]	n aa	‘to stay’
/ᵒ‡h/	[ᵒ‡h]	[ᵒ‡hʷaa]	‡ʰaa	‘open veld’
/ᵒ‡ʔ/	[ᵒ‡ʔ]	[ᵒ‡ʔiⁿiⁿ]	‡ʰîi	‘to think’
/ᵒ‡/	[ᵒ‡]	[ᵒ‡aa]	n‡aa	‘winter’

Linguo-pulmonic stops

/ᵒ̰q/	[ᵒ̰q]	[ᵒ̰qui]	ᵒ̰qui (W)	‘sweat’
/l̰q/	[l̰q]	[l̰qii]	l̰qii	‘peer’
/l̰qʰ/	[l̰qʰ]	[l̰qʰooke]	l̰qhooke	‘porcupine’
/!̰q/	[!̰q]	[!̰qʷaⁿaⁿ]	!̰qâa	‘to migrate’
/!̰qʰ/	[!̰qʰ]	[!̰qʰaa]	!̰qhaa	‘water’
/ ̰q/	[̰q]	[̰qoe]	̰qoe	‘pan (geographic)’
/ ̰qʰ/	[̰qʰ]	[̰qʰama]	̰qhama	‘aardvark’
/‡̰q/	[‡̰q]	[‡̰qəu]	‡̰qau	‘rain’
/‡̰qʰ/	[‡̰qʰ]	[‡̰qʰee]	‡̰qhee	‘duiker’

Linguo-pulmonic affricates

/ŋ̃/	[ŋ̃]	[ŋ̃uu]	ŋ̃uu	‘rub’
/ɭ̃/	[ɭ̃]	[ɭ̃aa]	ɭ̃aa	‘side’
/!ɭ̃/	[!ɭ̃]	[!ɭ̃aake]	!ɭ̃aake	‘stretch marks’
/ɭ̃̂/	[ɭ̃̂]	[ɭ̃̂a ⁿ a ⁿ]	ɭ̃̂a ⁿ a ⁿ	‘bag’
/ɬ̃̂/	[ɬ̃̂]	[ɬ̃̂uu]	ɬ̃̂uu	‘headman’

Linguo-glottalic affricates

/x̣/	[x̣]	[x̣aa]	x'aa	'hand'
/!x̣/	[!x̣]	[!x̣əru]	!x'aru	'cheetah'
/ x̣/	[x̣]	[x̣oo]	x'oo	'to chop'
/ʔx̣/	[ʔx̣]	[ʔx̣a ^ŋ a ^ŋ]	ʔx'âqa	'camel'