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Aspects of the phonetic and phonological structure of the G/ui language

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APPENDIX

The following six tables present re-interpretations by MCA on the consonant systems of six Khoisan languages proposed by Güldemann (2001:Tables 4 to 6 and 8 to 10). The re-interpretation focuses on the classification in terms of the types and series that are shown in the vertical axis. The classificatory labels in the horizontal axis follow Güldemann's terms, namely, EGR (i.e. egressive), IGR (i.e. ingressive), Lb (i.e. labial), Dt (i.e. dental), Al (i.e. alveolar), Pl (i.e. palatal), Vl (i.e. velar), Uv (i.e. uvular), Gl (i.e. glottal), -Af (i.e. affricated), -Lt (i.e. lateral), shown in the first and second rows of each table.

Table I A classification of !Xóõ consonants based on the revised version of "cross-Khoisan consonant chart". (A re-interpretation of Güldemann's (2001:23) Table 4 by MCA)

	EGR Lb	**EGR** Al	**EGR** Al-Af	**IGR** Lb	**IGR** Dt	**IGR** Pl	**IGR** Al	**IGR** Al-Lt	**EGR** Vl	**EGR** Uv	**EGR** Uv-Af	**EGR** Gl
Fricatives												
Plain	f	s								χ		h
Simple stops												
Plain	p	t	ts	k⊙	k|	k‡	k!	k‖	k	q		ʔ
Voiced	b	d	dz	g⊙	g|	g‡	g!	g‖	g	ɢ		
Complex stops												
Voiceless ejective		t'	ts'	k⊙'	k|'	k‡'	k!'	k‖'	k'	q'	qχ'	
Voiced ejective											ɢqχ'	
Voiceless aspirated	p^h	t^h	ts^h	$k⊙^h$	$k\|^h$	$k‡^h$	$k!^h$	$k‖^h$	k^h	q^h		
Voiced aspirated	b^h	d^h	dz^h	$g⊙^h$	$g\|^h$	$g‡^h$	$g!^h$	$g‖^h$	g^h	$ɢ^h$		
Stop clusters												
Plain + /χ/		tχ	tsχ	k⊙χ	k|χ	k‡χ	k!χ	k‖χ				
Voiced + /χ/		dχ	dzχ	g⊙χ	g|χ	g‡χ	g!χ	g‖χ				
Plain + /qχ'/	pqχ'	tqχ'	tsqχ'	k⊙qχ'	k|qχ'	k‡qχ'	k!qχ'	k‖qχ'				
Voiced + /qχ'/		dqχ'	dzqχ'	g⊙qχ'	g|qχ'	g‡qχ'	g!qχ'	g‖qχ'				
Plain + /q/				k⊙q	k|q	k‡q	k!q	k‖q				
Plain + /ɢ/				k⊙ɢ	k|ɢ	k‡ɢ	k!ɢ	k‖ɢ				
Plain + /q^h/				k⊙q^h	k|q^h	k‡q^h	k!q^h	k‖q^h				
Plain + /$ɢ^h$/					k|$ɢ^h$		k!$ɢ^h$	k‖$ɢ^h$				
Plain + /q'/				k⊙q'	k|q'	k‡q'	k!q'	k‖q'				
Plain + /h/				k⊙h	k|h	k‡h	k!h	k‖h				
Voiced + /h/				g⊙h	g|h	g‡h	g!h	g‖h				
Plain + /ʔ/				k⊙ʔ	k|ʔ	k‡ʔ	k!ʔ	k‖ʔ				
Simple nasals												
Plain	m	n		m⊙	ŋ|	ŋ‡	ŋ!	ŋ‖				
Voiceless				m̥⊙	ŋ̊|	ŋ̊‡	ŋ̊!	ŋ̊‖				
Complex nasals												
Glottalized nasal	ʔm	ʔn		ʔm⊙	ʔŋ|	ʔŋ‡	ʔŋ!	ʔŋ‖				
Non-nasal sonorants												
		l										

Table II A classification of ǂKhomani consonants based on the revised version of "cross-Khoisan consonant chart". Doke's two clicks [|ŋǁ] and [!ŋǁ] are omitted because their phonemic status is unclear, and as Güldemann (2001:27) states, their obvious counterparts in other Khoisan languages are not found. (A re-interpretation of Güldemann's (ibid.:26) Table 5 by MCA)

	EGR Lb	**EGR** Al	**EGR** Pl	**IGR** Lb	**IGR** Dt	**IGR** Pl	**IGR** Al	**IGR** Al-Lt	**EGR** Vl	**EGR** Uv	**EGR** Uv-Af	**EGR** Gl
Fricatives												
Plain		s								χ		h
Simple stops												
Plain	p	t	c	k⊙	k|	kǂ	k!	k‖	k			ʔ
Voiced	b		ɟ	g⊙	g|	gǂ	g!	g‖	g			
Complex stops												
Voiceless ejective		ts'			k|'	kǂ'	k!'				qχ'	
Voiceless aspirated		t^h		$k⊙^h$	$k\|^h$	$kǂ^h$	$k!^h$	$k‖^h$				
Stop clusters												
Plain + /χ/		tχ	cχ		k|χ	kǂχ		k‖χ				
Plain + /qχ'/					k|qχ'		k!qχ'	k‖qχ'				
Plain + /h/					k|h	kǂh	k!h					
Plain + /ʔ/				k⊙ʔ	k|ʔ	kǂʔ	k!ʔ	k‖ʔ				
Simple nasals												
Plain	m	n	ɲ	m⊙	ŋ|	ŋǂ	ŋ!	ŋ‖	ŋ			
Complex nasals												
Glottalized nasal					ʔŋ|	ʔŋǂ	ʔŋ!					
Non-nasal sonorants												
	w	r	j									

Table III A classification of Ju|'hoansi consonants based on the revised version of "cross-Khoisan consonant chart". (A re-interpretation of Güldemann's (2001:29) Table 6 by MCA)

	EGR Lb	**EGR** Al	**EGR** Al-Af	**EGR** Pl	**IGR** Dt	**IGR** Pl	**IGR** Al	**IGR** Al-Lt	**EGR** Vl	**EGR** Uv	**EGR** Uv-Af	**EGR** Gl
Fricatives												
Plain		s		ʃ						χ		h
Voiced		z		ʒ								
Simple stops												
Plain	p	t	ts	tʃ	k|	kǂ	k!	k‖	k			
Voiced	b	d		dʒ	g|	gǂ	g!	g‖	g			
Complex stops												
Voiceless ejective			ts'	tʃ'	k|'	kǂ'	k!'	k‖'	k'		qχ'	
Voiced ejective			dz'	dʒ'								
Voiceless aspirated	p^h	t^h	ts^h	$tʃ^h$	$k|^h$	$kǂ^h$	$k!^h$	$k‖^h$	k^h			
Voiced aspirated	b^h	d^h	dz^h	$dʒ^h$	$g|^h$	$gǂ^h$	$g!^h$	$g‖^h$	g^h			
Stop clusters												
Plain + /χ/		tχ	tsχ	tʃχ	k|χ	kǂχ	k!χ	k‖χ				
Voiced + /χ/		dχ	dzχ	dʒχ	g|χ	gǂχ	g!χ	g‖χ				
Plain + /qχ'/		tqχ'			k|qχ'	kǂqχ'	k!qχ'	k‖qχ'				
Voiced + /qχ'/					g|qχ'	gǂqχ'	g!qχ'	g‖qχ'				
Plain + /h/					k|h	kǂh	k!h	k‖h				
Voiced + /h/					g|h	gǂh	g!h	g‖h				
Plain + /ʔ/												
Simple nasals												
Plain	m	n			ŋ|	ŋǂ	ŋ!	ŋ‖				
Non-nasal sonorants												
	w	r		j								

Table IV A classification of Kxoe consonants based on the revised version of "cross-Khoisan consonant chart". The palatalized velars transcribed as [ky gy kxy] in Köhler's chart are excluded because their phonemic status is unclear. (A re-interpretation of Güldemann's (2001:33) Table 8 by MCA)

	EGR Lb	**EGR** Al	**EGR** Pl	**IGR** Dt	**IGR** Pl	**IGR** Al	**IGR** Al-Lt	**EGR** Vl	**EGR** Uv	**EGR** Uv-Af	**EGR** Gl
Fricatives											
Plain		s	ʃ						χ		h
Simple stops											
Plain	p	t	tʃ	k|	k‡	k!	k‖	k	q		ʔ
Voiced	b	d	dʒ	g|	g‡	g!	g‖	g			
Complex stops											
Voiceless ejective		t'	tʃ'	k|'	k‡'	k!'	k‖'	k'		qχ'	
Voiceless aspirated	p^h	t^h		$k|^h$	$k‡^h$	$k!^h$	$k‖^h$	k^h			
Stop clusters											
Plain + /χ/		tχ	tʃχ	k|χ	k‡χ	k!χ	k‖χ				
Plain + /qχ'/		tqχ'		k|qχ'	k‡qχ'	k!qχ'	k‖qχ'				
Plain + /q/				k|q	k‡q	k!q	k‖q				
Plain + /h/				k|h	k‡h	k!h	k‖h				
Plain + /ʔ/				k|ʔ	k‡ʔ	k!ʔ	k‖ʔ				
Simple nasals											
Plain	m	n		ŋ|	ŋ‡	ŋ!	ŋ‖	ŋ			
Other nasals											
Glottalized nasal				˷	ǂ	ǃ	ǁ				
Non-nasal sonorants											
	w	r									

Table V A classification of Nama (Namibian Khoekhoe) consonants based on the revised version of "cross-Khoisan consonant chart". (A re-interpretation of Güldemann's (2001:35) Table 9 by MCA)

	EGR Lb	**EGR** Al	**EGR** Al-Af	**IGR** Dt	**IGR** Pl	**IGR** Al	**IGR** Al-Lt	**EGR** Vl	**EGR** Uv	**EGR** Gl
Fricatives										
Plain		s							χ	h
Simple stops										
Plain	p	t		k|	k‡	k!	k‖	k		ʔ
Complex stops										
Voiceless aspirated			ts^h					k^h		
Stop clusters										
Plain + /χ/				k|χ	k‡χ	k!χ	k‖χ			
Plain + /h/				k|h	k‡h	k!h	k‖h			
Plain + /ʔ/				k|ʔ	k‡ʔ	k!ʔ	k‖ʔ			
Simple nasals										
Plain	m	n		ŋ|	ŋ‡	ŋ!	ŋ‖			
Non-nasal sonorants										
		r								

Table VI A classification of Sandawe consonants based on the revised version of "cross-Khoisan consonant chart". (A re-interpretation of Güldemann's (2001:37) Table 10 by MCA)

	EGR Lb	**EGR** Al	**EGR** Al-Af	**EGR** AL-Lt	**EGR** Pl	**IGR** Dt	**IGR** Al	**IGR** Al-Lt	**EGR** Vl	**EGR** Uv	**EGR** Gl
Fricatives											
Plain	f	s		ɬ						χ	h
Simple stops											
Plain	p	t	ts	tl		k|	k!	k‖	k		ʔ
Voiced	b	d	dz	dɮ		g|	g!	g‖	g		
Complex stops											
Voiceless aspirated	p^h	t^h	ts^h			$k\|^h$	$k!^h$	$k\|\|^h$	k^h		
Voiceless ejective			ts'	tɬ'					k'		
Stop clusters											
Plain + /ʔ/						k|ʔ	k!ʔ	k‖ʔ			
Simple nasals											
Plain	m	n				ŋ|	ŋ!	ŋ‖			
Non-nasal sonorants											
	w	r		l	j						