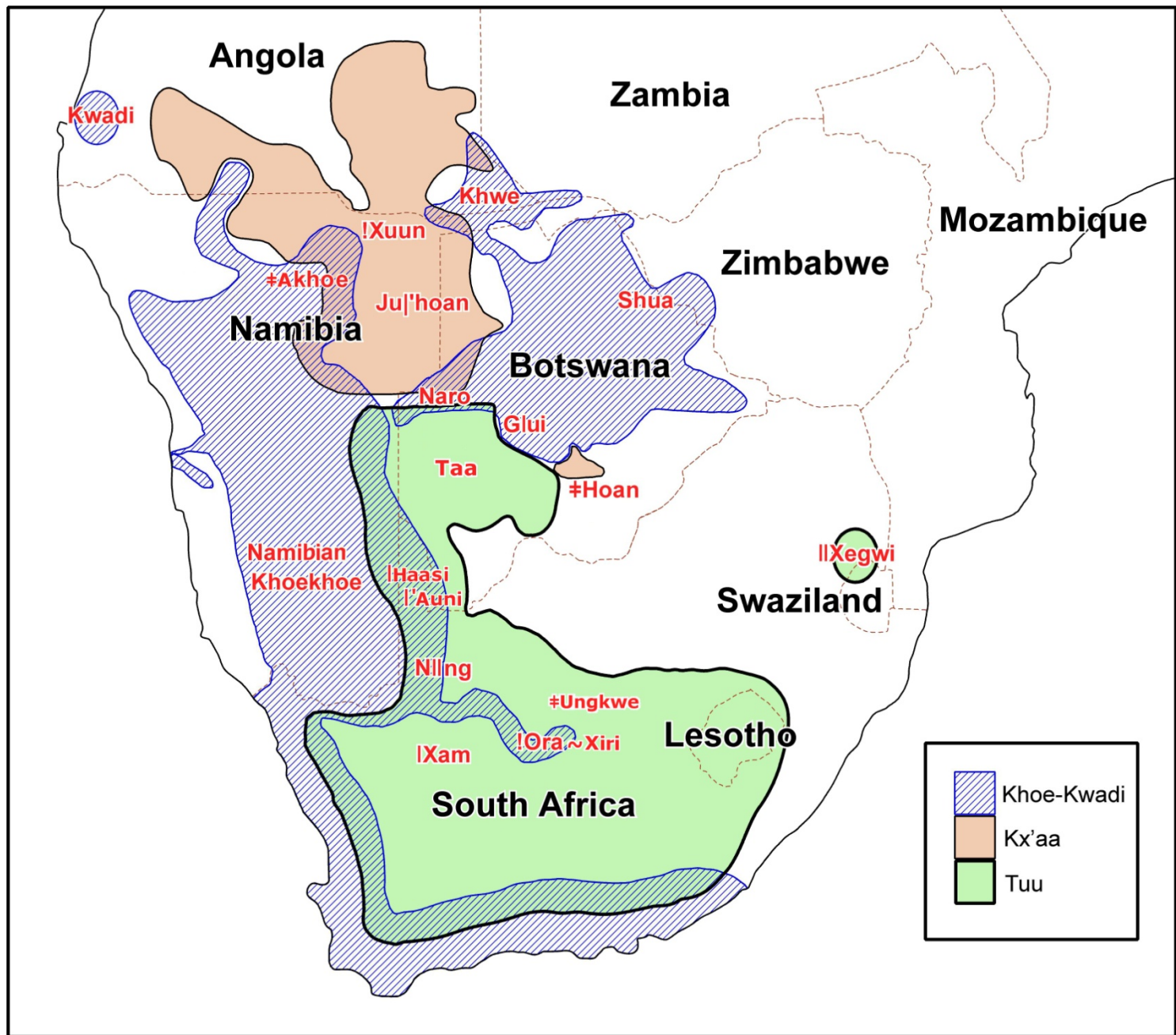


Branch(es)	Language/dialect cluster	Subsistence
(I) KHOE-KWADI		
Kwadi	single language	pastoral
Khoe (= “Central Khoisan”)		
Khoekhoe		
North	Eini† (DC)	pastoral
	Nama~Damara, Hai ’om-!Aakhoe (DC)	past.~forag.
South	!Ora† (DC)	pastoral
	Cape† (DC)	
Kalahari		foraging
East	Shua (DC): Cara, Deti†, Xaise, Danisi, Ts’ixa, etc. Tshwa (DC): Kua, Cua, Tsua, etc.	
West	Kxoe (DC): Khwe, Ani, Buga, G anda, etc. G ana (DC): G ana, G ui, etc. Naro (DC): Naro, †Haba, etc.	
(II) KX’AA (aka Ju-†Hoan)		foraging
Ju (= “Northern Khoisan”)	single DC: !’Oo!Xuun, !Xuun, Ju!’hoan, †Kx’au ’enn	
†Hoan	single language	
(III) TUU (= “Southern Khoisan”)		foraging
Taa-Lower Nossob		
Taa	single DC: West !Xoon, ’N oha, East !Xoon, etc.	
Lower Nossob	?single DC: !’Auni†, Haasi†	
!Ui	Xam† (DC) N ng (DC) †Ungkue† Xegwi†	

Note: DC = dialect cluster, † = extinct, Sample languages/dialects

Figure 2: The three independent “SAK” families and their sub-classification



Map 1: Non-Bantu languages of the Kalahari Basin and sample languages

No	English	Tuu	Kx'aa	Khoe-(Kwadi)
(a) No lineage involves a robust reconstruction				
21	chest	E !Xoon: g!ama	‡Hoan: g!ama	!Ora: lama 'tree trunk'
(b) One lineage involves a robust reconstruction				
6/8	(fore)arm	N ng: ‡hhaan	Ju: *‡hhaan	N Khoekhoe: ‡hhaan-b
32	cheek	Taa: *n oqbi ~ *n uqbi	‡Hoan: n oqbi	G ui: n uqbi (+ * ai)
102	wound 1	Xam: thui E !Xoon: thua (+ * oho)	‡Hoan: thui, NW !Xuun: t'hui (+ * hhabi)	*thui
(c) Two lineages involve a (robust) reconstruction				
1/2/9	(finger/toe)nail	N ng: qoro-si, Xam: uru	*!o'(r)o ~ *!u'(r)u	* ado ~ * odo
6/7/8	(fore)/(upper)arm	Xegwi: g!oma('a) 'elbow ~ joint', W Xoon: g'oma	(*g)oma ~ *(g)uma	*g!om(a) ~ *g!um(a)
19	elbow	W !Xoon: g‡huni, E Xoon: g‡qhuli	*(g)‡hone ~ *(g)‡huni (Ju: + *!huru)	Kalahari: *‡huni
34	chin	N ng: g!ann ~ g!any	Ju: *g!!an(i)	*g!an(i)
81	throat	Xam: dom, N ng: dyum	Ju: *do(h)m also 'dry river bed' (*dyoam 'river bed')	*dom Khoe-Kwadi: *tumu ~ *tomo
(d) All three lineages involve some reconstruction				
16/17a/95	thigh/leg/buttock	!Ui: *thain 'thigh > leg'	Ju: (*dain 'buttock')	*tiin 'thigh > leg' Khoe-Kwadi: *tini 'thigh > leg'
74	to smell	!Ui: (*!khao)	Ju: * kx'uu ‡Hoan: !qhoo	Kalahari: * kx'aun Khoe-Kwadi: *hamu

Table 4: Lexical roots attested in all three families

a) Tuu vs. Khoe-(Kwadi) reconstructions

No	English	Tuu	Khoe-(Kwadi)
(16/17a)	thigh/leg	!Ui: *thain ‘thigh > leg’	*tiin ? < *tain ‘thigh > leg’ Khoe-Kwadi: *tini ‘thigh > leg’
35	beard ~ moustache	*n um	Khoekhoe: *n um-bi

Table 5: Lexical reconstruction comparable between Tuu and Khoe-Kwadi

b) Tuu vs. Kx’aa reconstructions

No	English	Tuu	Kx’aa
5/13	hand/foot	* kx’aa ~ * qx’aa ‘hand’	Ju: * kx’ai ‘foot’
27	person	*tuu ‘people’	Ju: *djuu
39	head/fruit	*n aM	Ju: *n aV
(42)	eye	*ts’aM	Ju: *g a’a (*tsaM ‘to see’)

Table 6: Lexical reconstruction comparable between Tuu and Kx’aa

c) Kx'aa vs. Khoe-(Kwadi) reconstructions

No	English	Kx'aa	Khoe-(Kwadi)
2/9	finger/toenail	*!o'(r)o ~ *!u'(r)u	* ado ~ * odo
(6/7/8)	(fore)/(upper)arm	(*!o'(r)o ~ *!u'(r)u)	*g!om(a) ~ *g!um(a)
19	elbow	*!o'(r)o ~ *!u'(r)u	Kalahari: *!huni
(19/20)	elbow/knee	Ju: *!huru 'elbow'	Kalahari: *!udu 'knee'
34	chin	Ju: *g!!an(i)	*g!an(i)
49/51	stomach/inside	Ju: *n!ang (*n!aM)	Khoekhoe: *n!aa-b
(57)	blood	(*! 'aM)	*! 'ao Khoe-Kwadi: *! 'ao
(74)	to smell	Ju: * kx'uu	Kalahari: * kx'aun vs. Khoe-Kwadi: *hamu
(79)	tongue	Ju: *dhari (*!o'(r)o ~ *!u'(r)u)	*dam Khoe-Kwadi: *tame
81	throat	Ju: *do(h)m also 'dry river bed' (*dom 'river bed')	*dom Khoe-Kwadi: *tumu ~ *tomo

Table 7: Lexical reconstruction comparable between Kx'aa and Khoe-Kwadi