

## Appendix A AUTOTYP sample in Chapter 2

### A.1. AUTOTYP languages

The following table lists in alphabetical order the 537 languages in the AUTOTYP sample. Stock information is from AUTOTYP (Bickel et al. 2022); LID is a unique identifier used by AUTOTYP; it does not match ID in the custom sample. The Macro-Quasi-Stocks for Trans New Guinea (TNG) and Core

Nilo-Saharan (NS) languages are indicated in the ‘Stock’ column. The column ‘Agr’ = agreement type; ‘Cond.’ = conditional agreement in at least one role. In the ‘Conditions’ columns, ‘ref’ = referential conditions; ‘co\_occ’ = co-occurrence restrictions.

LID	Language	Glottocode	ISO639_3	Stock	Area	Agr	Conditions
148	!Kung	kung1261	knw	Ju	S Africa	none	
865	Aari	aari1239	aiw	Omotic	Greater Abyssinia	full	
820	Abau	abau1245	aau	Sepik	N Coast New Guinea	full	
7	Abkhaz	abkh1244	abk	West Caucasian	Greater Mesopotamia	full	
1743	Abun	abun1252	kgr	West Papuan	N Coast New Guinea	none	
9	Acehnese	achi1257	ace	Austronesian	Southeast Asia	Cond.	verb_class
1572	Aché	ache1246	guq	Tupian	SE South America	none	
10	Acoma	west2632	kjq	Keresan	Basin and Plains	full	
2878	Adang	adan1251	adn	Timor-Alor-Pantar	Oceania	none	
844	Afrikaans	afri1274	afr	Indo-European	S Africa	none	
853	Aguaruna	agua1253	agr	Jivaroan	NE South America	Cond.	ref

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2828	Agul	aghu1253	agx	Nakh-Daghestanian	Greater Mesopotamia	none	
3384	Ahom	ahom1240	aho	Tai-Kadai	Southeast Asia	none	
12	Ainu	ainu1240	ain	Ainu	N Coast Asia	Cond.	ref
3045	Aja (Benin)	ajab1235	ajg	Kwa	African Savannah	none	
827	Aka-Biada	akab1249	abj	Great Andamanese	Southeast Asia	none	
2645	Akan	akan1250	aka	Kwa	African Savannah	none	
872	Akhvakh	akhv1239	akv	Nakh-Daghestanian	Greater Mesopotamia	full	
15	Akkadian	akka1240	akk	Semitic	Greater Mesopotamia	full	
3052	Akoye	akoy1238	miw	Angan	S New Guinea	full	
3018	Alaba-K'abeena	alab1254	alw	Cushitic	Greater Abyssinia	Cond.	ref
14	Alamblak	alam1246	amp	Sepik	N Coast New Guinea	full	
17	Albanian	tosk1239	als	Indo-European	Europe	full	
883	Alyawarra	alya1239	aly	Pama-Nyungan	S Australia	none	
480	Amanab	aman1265	amn	Border	N Coast New Guinea	full	
21	Amharic	amha1245	amh	Semitic	Greater Abyssinia	Cond.	ref, TAMEP, verb_class
915	Ampeeli	safe1240	apz	Angan	Interior New Guinea	full	
885	Amuesha	yane1238	ame	Arawakan	Andean	full	
22	Anêm	anem1249	anz	West New Britain	N Coast New Guinea	full	
3263	Anambé	anam1249	aan	Tupian	NE South America	Cond.	ref
1645	Anamuxra	anam1248	imi	Madang (TNG)	N Coast New Guinea	Cond.	ref
851	Angaatiha	anga1290	agm	Angan	Interior New Guinea	full	

662	Apatani	apat1240	apt	Sino-Tibetan	Indic	none	
3385	Apma	apma1240	app	Austronesian	Oceania	full	
512	Apurina	apur1254	apu	Arawakan	NE South America	Cond.	ref, verb_class
918	Arabana	arab1267	ard	Pama-Nyungan	S Australia	none	
23	Arabic	stan1318	arb	Semitic	N Africa	full	
642	Arabic (Egyptian)	egyp1253	arz	Semitic	N Africa	Cond.	TAMEP
842	Arabic (Gulf)	gulf1241	afb	Semitic	Greater Mesopotamia	full	
871	Araki	arak1252	akr	Austronesian	Oceania	Cond.	ref
923	Arapaho	arap1274	arp	Algic	Basin and Plains	Cond.	ref, TAMEP
3264	Araweté	araw1273	awt	Tupian	NE South America	Cond.	ref
25	Armenian (Eastern)	nucl1235	hye	Indo-European	Greater Mesopotamia	Cond.	TAMEP
3240	Ashéninka Perené	ashe1272	prq	Arawakan	Andean	full	
26	Asmat	casu1237	asc	Macro-Ok	S New Guinea	full	
2897	Assiniboine	assi1247	asb	Siouan	Basin and Plains	Cond.	ref, verb_class
27	Atakapa	atak1252	aqp	Atakapa	E North America	full	
908	Athpare	athp1241	aph	Sino-Tibetan	Indic	Cond.	ref, TAMEP
2551	Atikamekw	atik1240	atj	Algic	E North America	Cond.	ref, TAMEP
3032	Atong	aton1241	aot	Sino-Tibetan	Indic	none	
943	Au	auuu1241	avt	Torricelli	N Coast New Guinea	full	

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3251	Avá-Canoeiro	avac1239	avv	Tupian	NE South America	Cond.	ref, verb_class
2900	Avestan	aves1237	ave	Indo-European	Inner Asia	full	
945	Awa	awap1236	awb	Eastern Highlands (TNG)	Interior New Guinea	full	
3063	Awara	awar1248	awx	Finisterre-Huon (TNG)	N Coast New Guinea	full	
3249	Awetí	awet1244	awe	Tupian	NE South America	Cond.	ref
28	Awtuw	awtu1239	kmn	Sepik	N Coast New Guinea	full	
29	Axininca Campa	asha1243	cni	Arawakan	Andean	full	
488	Babungo	veng1238	bav	Benue-Congo	African Savannah	none	
1002	Badaga	bada1257	bfq	Dravidian	Indic	full	
1007	Bagri	bagr1243	bgq	Indo-European	Indic	full	
3007	Bahing	bahi1252	bhj	Sino-Tibetan	Indic	Cond.	ref, TAMEP
1099	Balinese	bali1278	ban	Austronesian	Southeast Asia	none	
516	Bambara	bamb1269	bam	Mande	African Savannah	none	
660	Bandjalang	band1339	bdy	Pama-Nyungan	S Australia	none	
2873	Bantawa	bant1281	bap	Sino-Tibetan	Indic	Cond.	ref, TAMEP
2285	Baonan	bona1250	peh	Mongolic	Inner Asia	none	
31	Barai	nucl1630	bbb	Koiarian (TNG)	S New Guinea	full	
493	Barasano	bara1380	bsn	Tucánoan	NE South America	full	
2982	Bariai	bari1286	bch	Austronesian	N Coast New Guinea	full	

1094	Bashkir	bash1264	bak	Turkic	Inner Asia	full	
1063	Baure	baur1253	brg	Arawakan	NE South America	full	
1234	Begak-Ida'an	idaa1241	dbj	Austronesian	Southeast Asia	none	
34	Beja	beja1238	bej	Beja	N Africa	full	
35	Belhare	belh1239	byw	Sino-Tibetan	Indic	Cond.	ref, TAMEP
750	Berber (Figuig)	cent2194	tzm	Berber	N Africa	full	
2882	Berber (Kabyle)	kaby1243	kab	Berber	N Africa	full	
2930	Betta Kurumba	bett1235	xub	Dravidian	Indic	Cond.	TAMEP, verb_class
1011	Bhojpuri	bhoj1244	bho	Indo-European	Indic	full	
1018	Biafada	biaf1240	bif	North Atlantic	African Savannah	none	
1014	Biak	biak1248	bhw	Austronesian	N Coast New Guinea	full	
1364	Bilinara	ngar1235	nbg	Pama-Nyungan	N Australia	Cond.	verb_class
1010	Binandere	bina1277	bhg	Greater Binanderean (TNG)	S New Guinea	full	
1036	Blackfoot	siks1238	bla	Algonquian	Basin and Plains	Cond.	ref, TAMEP
752	Bokar	boka1249	NA	Sino-Tibetan	Indic	none	
1058	Boko	boko1266	bqc	Mande	African Savannah	none	
648	Bororo	boro1282	bor	Macro-Ge	NE South America	Cond.	verb_class
1054	Bozo (Tigemaxo)	tiey1235	boz	Mande	African Savannah	none	
518	Brahui	brah1256	brh	Dravidian	Greater Mesopotamia	Cond.	TAMEP

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1067	Breton	bret1244	bre	Indo-European	Europe	none	
499	Bukiyip	buki1249	ape	Torricelli	N Coast New Guinea	Cond.	verb_class
678	Bulgarian	bulg1262	bul	Indo-European	Europe	Cond.	TAMEP
1095	Buriat	buri1258	bua	Mongolic	Inner Asia	Cond.	ref
463	Burmese	nucl1310	mya	Sino-Tibetan	Southeast Asia	none	
1059	Busa	busa1253	bqp	Mande	African Savannah	none	
614	Cambodian	cent1989	khm	Austroasiatic	Southeast Asia	none	
2360	Camling	caml1239	rab	Sino-Tibetan	Indic	Cond.	ref, TAMEP
2790	Cantonese	yuec1235	yue	Sino-Tibetan	Southeast Asia	none	
182	Cao Miao	caom1238	cov	Tai-Kadai	Southeast Asia	none	
45	Cashinahua	cash1254	cbs	Pano-Tacanan	NE South America	Cond.	ref
3024	Catalan (Balearic)	stan1289	cat	Indo-European	Europe	full	
726	Catalan (Standard)	stan1289	cat	Indo-European	Europe	full	
1413	Chai	suri1267	suq	Surmic (NS)	Greater Abyssinia	Cond.	TAMEP
1146	Cham (Western)	west2650	cja	Austronesian	Southeast Asia	none	
48	Chamorro	cham1312	cha	Austronesian	Oceania	Cond.	TAMEP
629	Chantyal	chan1310	chx	Sino-Tibetan	Indic	none	
3022	Chatino (Zenzontepec)	zenz1235	czn	Otomanguenan	Mesoamerica	none	
599	Chayahuita	chay1248	cbt	Cahuapanan	NE South America	full	

49	Chechen	chec1245	che	Nakh-Daghestanian	Greater Mesopotamia	Cond.	verb_class
1142	Cheyenne	chey1247	chy	Algic	Basin and Plains	Cond.	ref, TAMEP
2227	Chichewa	chew1246	nyj	Benue-Congo	S Africa	full	
50	Chichimec	chic1272	pei	Otomanguean	Mesoamerica	full	
51	Chimariko	chim1301	cid	Chimariko	California	Cond.	ref, verb_class
1128	Chinantec (Comaltepec)	coma1246	cco	Otomanguean	Mesoamerica	full	
2862	Chintang	chhi1245	ctn	Sino-Tibetan	Indic	Cond.	ref, TAMEP
54	Choctaw	choc1276	cho	Muskogean	E North America	Cond.	verb_class
1163	Chontal (Huamelultec Oaxaca)	low11260	clo	Tequistlatecan	Mesoamerica	none	
1136	Chontal Maya	taba1266	chf	Mayan	Mesoamerica	Cond.	TAMEP
1105	Chortí	chor1273	caa	Mayan	Mesoamerica	Cond.	TAMEP
56	Chukchi	chuk1273	ckt	Chukchi- Kamchatkan	N Coast Asia	Cond.	ref, TAMEP
57	Chuvash	chuv1255	chv	Turkic	Inner Asia	Cond.	TAMEP
1168	Cocama	coca1259	cod	Tupian	NE South America	none	
1172	Coptic	copt1239	cop	Egyptian	N Africa	none	
688	Cora	cora1260	crn	Uto-Aztecan	Mesoamerica	full	
59	Cree (Plains)	plai1258	crk	Algic	E North America	Cond.	ref, TAMEP

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1293	Dagaare	sout2789	dab	Gur	African Savannah	none
1416	Dagur	daur1238	dta	Mongolic	Inner Asia	full
686	Dahalo	daha1245	dal	Cushitic	S Africa	Cond. TAMEP
3046	Dangme	adan1247	ada	Kwa	African Savannah	none
1388	Darmiya	darm1243	drd	Sino-Tibetan	Indic	full
1272	Degema	dege1246	deg	Benue-Congo	African Savannah	full
1276	Desano	desa1247	des	Tucanoan	NE South America	full
1401	Dhaasanac	daas1238	dsh	Cushitic	Greater Abyssinia	none
1323	Dime	dime1235	dim	Omotic	Greater Abyssinia	full
64	Diyari	dier1241	dif	Pama-Nyungan	S Australia	none
65	Dizi	dizi1235	mdx	Omotic	Greater Abyssinia	full
1335	Djambarrpuyngu	djam1256	djr	Pama-Nyungan	N Australia	none
66	Djapu	dhuw1249	duj	Pama-Nyungan	N Australia	none
1333	Djinang	djin1253	dji	Pama-Nyungan	N Australia	none
3092	Dogon (Ben Tey)	bent1238	dbt	Dogon	African Savannah	full
2987	Dogon (Jamsay)	jams1239	djm	Dogon	African Savannah	Cond. ref
3093	Dogon (Najamba)	bond1248	dbu	Dogon	African Savannah	full
3096	Dogon (Nanga)	nang1261	nzz	Dogon	African Savannah	full
3095	Dogon (Togo Kan)	tene1248	dtk	Dogon	African Savannah	full



763	Dong	nort2735	doc	Tai-Kadai	Southeast Asia	none	
2904	Dumbea	dumb1241	duf	Austronesian	Oceania	none	
1439	Dumi	dumi1241	dus	Sino-Tibetan	Indic	Cond.	ref, TAMEP
71	Dyirbal	dyir1250	dbl	Pama-Nyungan	N Australia	none	
1569	Eastern Bolivian Guaraní	east2555	gui	Tupian	Andean	Cond.	ref
3038	Efate (South)	sout2856	erk	Austronesian	Oceania	Cond.	ref
3387	Emae	emae1237	mmw	Austronesian	Oceania	none	
3068	Emerillon	emer1243	eme	Tupian	NE South America	Cond.	ref, verb_class
1473	Engenni	enge1239	enn	Benue-Congo	African Savannah	none	
74	English	stan1293	eng	Indo-European	Europe	Cond.	TAMEP
526	Epena Pedee	epen1239	sja	Chocó	Andean	none	
2954	Eton	eton1253	eto	Benue-Congo	African Savannah	full	
738	Even	even1260	eve	Tungusic	Inner Asia	full	
527	Evenki	even1259	evn	Tungusic	Inner Asia	full	
75	Ewe	ewee1241	ewe	Kwa	African Savannah	none	
78	Finnish	finn1318	fin	Uralic	Inner Asia	Cond.	verb_class
1492	Fongbe	fonn1241	fon	Kwa	African Savannah	none	
79	French (colloquial)	stan1290	fra	Indo-European	Europe	full	
1511	Fula (Nigerian)	nige1253	fuv	North Atlantic	African Savannah	none	

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1508	Fulfulde (Maasina)	maas1239	ffm	North Atlantic	African Savannah	none
81	Fur	furr1244	fvr	Fur	African Savannah	full
1505	Futuna (East)	east2447	fud	Austronesian	Oceania	none
444	Futuna (West)	west2515	fut	Austronesian	Oceania	none
1533	Gade	gade1242	ged	Benue-Congo	African Savannah	none
1518	Gadup	gads1258	gaj	Eastern Highlands (TNG)	Interior New Guinea	full
1523	Galela	gale1259	gbi	West Papuan	Oceania	full
1302	Gamo	gamo1243	gmw	Omotic	Greater Abyssinia	full
528	Garó	garo1247	grt	Sino-Tibetan	Indic	none
84	Garrwa	gara1269	wrk	Garrwan	N Australia	none
85	Gbeya	gbay1287	gbp	Adamawa-Ubangi	African Savannah	none
87	German	stan1295	deu	Indo-European	Europe	Cond. verb_class
3039	Ghomara	ghom1257	gho	Berber	N Africa	full
1531	Godoberi	ghod1238	gdo	Nakh-Daghestanian	Greater Mesopotamia	full
1578	Golin	goli1247	gvf	Chimbu-Wahgi (TNG)	Interior New Guinea	full
2832	Gothic	goth1244	got	Indo-European	Europe	full
2831	Greek (Ancient)	anci1242	grc	Indo-European	Europe	full
464	Greek (modern)	mode1248	ell	Indo-European	Europe	Cond. ref

3252	Guajá	guaj1256	gvj	Tupian	NE South America	Cond.	ref, verb_class
1577	Guanano	guan1269	gvc	Tucánoan	NE South America	Cond.	TAMEP
89	Guaraní (Paraguayan)	para1311	gug	Tupian	SE South America	Cond.	ref, verb_class
3254	Guarayu	guar1292	gyr	Tupian	NE South America	Cond.	ref, verb_class
1528	Gude	gude1246	gde	Chadic	African Savannah	none	
1744	Gumbaynggir	kumb1268	kgs	Pama-Nyungan	S Australia	none	
91	Gumuz	gumu1244	guk	Gumuz (NS)	Greater Abyssinia	full	
93	Gunwinggu	gunw1252	gup	Gunwingguan	N Australia	full	
3044	Gurage (Sebat Bet)	seba1251	sgw	Semitic	Greater Abyssinia	Cond.	ref, TAMEP
1573	Gurenne	fare1241	gur	Gur	African Savannah	none	
1592	Haida (Northern)	nort2938	hdn	Haida	Alaska-Oregon	none	
1597	Haitian Creole	hait1244	hat	Haitian Creole	Mesoamerica	none	
2736	Hanga Hundi	hang1263	wos	Sepik	N Coast New Guinea	full	
432	Hanis (Coos)	coos1249	cos	Coos	Alaska-Oregon	Cond.	ref
2586	Haruai	haru1245	tmd	Upper Yuat	Interior New Guinea	full	
645	Hatam	hata1243	had	Hatam	N Coast New Guinea	full	
98	Hausa	haus1257	hau	Chadic	African Savannah	none	
1628	Hawaiian	hawa1245	haw	Austronesian	Oceania	none	
632	Hayu	wayu1241	vay	Sino-Tibetan	Indic	Cond.	ref, TAMEP

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2638	Hdi	hdii1240	xed	Chadic	African Savannah	none	
583	Hebrew (Modern)	hebr1245	heb	Semitic	Greater Mesopotamia	full	
2854	High German (Old)	oldh1241	goh	Indo-European	Europe	full	
99	Hindi	hind1269	hin	Indo-European	Indic	Cond.	ref, TAMEP, verb_class, semantic
1542	Hinuq	hinu1240	gin	Nakh-Daghestanian	Greater Mesopotamia	full	
100	Hittite	hitt1242	hit	Indo-European	Greater Mesopotamia	full	
101	Hixkaryana	hixk1239	hix	Cariban	NE South America	full	
3047	Hlai	hlai1239	lic	Tai-Kadai	Southeast Asia	none	
500	Hmong Njua	hmon1264	hnj	Miao-Yao	Southeast Asia	none	
103	Hua	yaga1260	ygr	Eastern Highlands (TNG)	Interior New Guinea	Cond.	ref
106	Huave	sand1278	hve	Huave	Mesoamerica	Cond.	verb_class
2994	Huave (San Francisco del Mar)	sanf1258	hue	Huave	Mesoamerica	full	
1692	Hup	hupd1244	jup	Nadahup	NE South America	none	
108	Hurrian	hurr1240	xhu	Hurro-Urartean	Greater Mesopotamia	full	

109	Iau	iauu1242	tmu	Lakes Plain	N Coast New Guinea	none	
110	Icelandic	icel1247	isl	Indo-European	Europe	Cond.	verb_class
2690	Iduna	idun1242	viv	Austronesian	S New Guinea	full	
531	Igbo	nucl1417	ibo	Benue-Congo	African Savannah	none	
111	Ik	ikkk1242	ikx	Kuliak	S Africa	Cond.	verb_class
3364	Ikpeng	ikpe1245	yup	Cariban	NE South America	Cond.	verb_class
1999	Illinois	miam1252	mia	Algic	E North America	full	
112	Imonda	imon1245	imn	Border	N Coast New Guinea	none	
113	Ineseño	ines1240	inz	Chumashan	California	full	
435	Irish	iris1253	gle	Indo-European	Europe	none	
3213	Irish (Old)	oldi1245	sga	Indo-European	Europe	Cond.	TAMEP
2417	Ishkashimi	ishk1246	isk	Indo-European	Indic	full	
725	Italian	ital1282	ita	Indo-European	Europe	Cond.	ref, TAMEP
1660	Itzaj	itza1241	itz	Mayan	Mesoamerica	Cond.	TAMEP
3062	Iyo	iyoo1238	nca	Finisterre-Huon (TNG)	N Coast New Guinea	Cond.	verb_class
460	Jacalteco	popt1235	jac	Mayan	Mesoamerica	full	
1682	Jahai	jeha1242	jhi	Austroasiatic	Southeast Asia	full	
2983	Jalonke	yalu1240	yal	Mande	African Savannah	none	
118	Japanese	nucl1643	jpn	Japanese	N Coast Asia	Cond.	ref
1671	Javanese	java1254	jav	Austronesian	Southeast Asia	none	

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649	Jeli	jeri1242	jek	Mande	African Savannah	none	
2998	Jero	jeru1240	jee	Sino-Tibetan	Indic	Cond.	ref, TAMEP
1691	Juang	juan1238	jun	Austroasiatic	Indic	full	
1693	Jurúna	juru1256	jur	Tupian	NE South America	full	
126	Kâte	kate1253	kmg	Finisterre-Huon (TNG)	N Coast New Guinea	full	
2956	Kôic	sunw1242	suz	Sino-Tibetan	Indic	Cond.	ref, TAMEP
3015	Kachama-Ganjule	kach1284	kcx	Omoti	Greater Abyssinia	full	
1740	Kaiwá	kaiw1246	kgk	Tupian	SE South America	Cond.	ref, verb_class
659	Kala Lagaw La	kala1377	mwp	Pama-Nyungan	N Australia	full	
1341	Kalmyk	kalm1243	xal	Mongolic	Inner Asia	none	
1709	Kamano-Kafe	kama1370	kbq	Eastern Highlands (TNG)	Interior New Guinea	full	
3075	Kamasau	kama1367	kms	Torricelli	N Coast New Guinea	full	
1704	Kamayurá	kama1373	kay	Tupian	NE South America	Cond.	ref, verb_class
2972	Kambaata	kamb1316	ktb	Cushitic	Greater Abyssinia	full	
535	Kannada	nucl1305	kan	Dravidian	Indic	Cond.	verb_class
536	Kapau	hamt1247	hmt	Angan	Interior New Guinea	full	
2951	Karajá	kara1500	kpj	Macro-Ge	NE South America	full	
1827	Karitiâna	kari1311	ktn	Tupian	NE South America	full	

125	Karok	karo1304	kyh	Karok	California	Cond.	ref
1702	Kasem	kase1253	xsm	Gur	African Savannah	none	
2667	Kaugel	umbu1258	ubu	Chimbu-Wahgi (TNG)	Interior New Guinea	full	
3156	Kayabí	kaya1329	kyz	Tupian	NE South America	Cond.	ref, verb_class
2958	Keresan (Laguna)	east1472	kee	Keresan	Basin and Plains	Cond.	TAMEP
130	Kewa	west2599	kew	Engan-Kewa (TNG)	Interior New Guinea	full	
1763	Khakas	khak1248	kjh	Turkic	Inner Asia	Cond.	ref
791	Khamnigan	mong1331	mon	Mongolic	Inner Asia	Cond.	TAMEP
681	Khanty	khan1273	kca	Uralic	Inner Asia	Cond.	ref, verb_class
1750	Kharia	khar1287	khv	Austroasiatic	Indic	Cond.	TAMEP
540	Khasi	has1269	kha	Austroasiatic	Indic	full	
1751	Khwarshi	khva1239	khv	Nakh-Daghestanian	Greater Mesopotamia	full	
740	Kikuyu	kiku1240	kik	Benue-Congo	S Africa	Cond.	ref
643	Kisi	sout2778	kss	South Atlantic	African Savannah	none	
136	Kobon	kobo1249	kpw	Madang (TNG)	Interior New Guinea	full	
2772	Koegu	kweg1241	xwg	Surmic (NS)	Greater Abyssinia	Cond.	TAMEP
486	Koiali (Mountain)	moun1252	kpx	Koiarian (TNG)	S New Guinea	none	
669	Koiari	gras1249	kbi	Koiarian (TNG)	S New Guinea	Cond.	TAMEP
1810	Koita	koit1244	kqi	Koiarian (TNG)	S New Guinea	full	

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138	Kombai	komb1274	tyn	Macro-Ok	S New Guinea	full	
3072	Kombio	komb1272	xbi	Torricelli	N Coast New Guinea	none	
717	Komi (Permyak)	komi1269	koi	Uralic	Inner Asia	full	
139	Komi (Zyrian)	komi1268	kpv	Uralic	Inner Asia	full	
1806	Korafe	kora1294	kpr	Greater Binanderean (TNG)	S New Guinea	full	
141	Korean	kore1280	kor	Korean	N Coast Asia	full	
1169	Koreguaje	kore1283	coe	Tucanoan	NE South America	full	
144	Koroboro Senni	koyr1242	ses	Songhai	African Savannah	none	
546	Koromfe	koro1298	kfz	Gur	African Savannah	none	
656	Korowai	koro1312	khe	Macro-Ok	S New Guinea	full	
3081	Kosena	awiy1238	auy	Eastern Highlands (TNG)	Interior New Guinea	full	
2980	Koyi	koi1238	kkt	Sino-Tibetan	Indic	Cond.	ref, TAMEP
1816	Kryz	kryt1240	kry	Nakh-Daghestanian	Greater Mesopotamia	full	
437	Ku Waru	nort2921	whg	Chimbu-Wahgi (TNG)	Interior New Guinea	full	
1775	Kulung	kulu1253	kle	Sino-Tibetan	Indic	Cond.	ref, TAMEP
1835	Kuman	kuma1280	kue	Chimbu-Wahgi (TNG)	Interior New Guinea	full	
147	Kunama	kuna1268	kun	Kunama	Greater Abyssinia	Cond.	ref



1739	Kusunda	kusu1250	kgg	Kusunda	Indic	full	
1784	Kwoma	kwom1262	kmo	Sepik	N Coast New Guinea	none	
225	Lahu	lahu1253	lhu	Sino-Tibetan	Southeast Asia	none	
155	Lak	lakk1252	lbe	Nakh-Daghestanian	Greater Mesopotamia	full	
157	Lamaholot	lama1277	slp	Austronesian	Oceania	none	
159	Lango	lang1324	laj	Nilotic (NS)	S Africa	Cond.	TAMEP
2194	Lao	laoo1244	lao	Tai-Kadai	Southeast Asia	none	
2893	Latin	lati1261	lat	Indo-European	Europe	full	
549	Latvian	latv1249	lav	Indo-European	Inner Asia	Cond.	TAMEP
550	Lavukaleve	lavu1241	lvk	Lavukaleve	Oceania	full	
1896	Lele	lele1276	lln	Chadic	African Savannah	none	
162	Lezgi	lezg1247	lez	Nakh-Daghestanian	Greater Mesopotamia	none	
674	Limbu	limb1266	lif	Sino-Tibetan	Indic	Cond.	ref, TAMEP
692	Limilngan	nucl1327	lmc	Limilngan	N Australia	full	
2973	Logba	logb1245	lgq	Kwa	African Savannah	Cond.	verb_class
3010	Lohorung	nort2727	lbr	Sino-Tibetan	Indic	Cond.	ref, TAMEP
165	Luganda	gand1255	lug	Benue-Congo	S Africa	full	
167	Maa	masa1300	mas	Nilotic (NS)	S Africa	Cond.	ref
1964	Maale	male1284	mdy	Omoti	Greater Abyssinia	none	
1988	Ma'di	madi1260	mhi	Eastern Central Sudanic	S Africa	full	

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1989	Madurese	madu1247	mad	Austronesian	Southeast Asia	none	
3375	Magdalena Peñasco Mixtec	magd1235	xm	Otomanguean	Mesoamerica	full	
2063	Majang	maja1242	mpe	Surmic (NS)	Greater Abyssinia	Cond.	TAMEP
2072	Makian (West)	west2600	mqs	West Papuan	Oceania	full	
170	Malak-Malak	mull1237	mpb	Northern Daly	N Australia	full	
634	Malto	saur1249	kmb	Dravidian	Indic	full	
2101	Mam	mamm1241	mam	Mayan	Mesoamerica	Cond.	verb_class
2028	Manambu	mana1298	mle	Sepik	N Coast New Guinea	Cond.	ref, TAMEP
2015	Manchu	manc1252	mnc	Tungusic	Inner Asia	none	
171	Mandarin	mand1415	cmn	Sino-Tibetan	Southeast Asia	none	
172	Mandinka	mand1436	mnk	Mande	African Savannah	none	
2016	Mangghuer	tuu1240	mjg	Mongolic	Inner Asia	none	
175	Maori	maor1246	mri	Austronesian	Oceania	none	
608	Mari	mari1278	chm	Uralic	Inner Asia	full	
178	Marrihiyel	mari1424	mfr	Western Daly	N Australia	full	
179	Martuthunira	mart1255	vma	Pama-Nyungan	S Australia	none	
181	Mawng	maun1240	mph	Iwaidjan	N Australia	Cond.	ref
438	Maybrat	maib1239	ayz	West Papuan	N Coast New Guinea	full	
1961	Mbodomo	sout2785	gso	Adamawa-Ubangi	African Savannah	Cond.	TAMEP
3131	Mbyá Guaraní	mbya1239	gun	Tupian	SE South America	Cond.	ref, verb_class

3059	Melpa	melp1238	med	Chimbu-Wahgi (TNG)	Interior New Guinea	full	
1973	Menomini	meno1252	mez	Algic	E North America	Cond.	ref, TAMEP
1954	Menya	meny1245	mcr	Angan	Interior New Guinea	Cond.	ref, verb_class
2984	Mian	mian1256	mpt	Macro-Ok	Interior New Guinea	Cond.	verb_class
3037	Miao (Eastern Qiandong)	east2370	hmq	Miao-Yao	Southeast Asia	none	
2107	Miao (White)	hmon1333	mww	Miao-Yao	Southeast Asia	none	
2001	Micmac	mikm1235	mic	Algic	E North America	Cond.	ref, TAMEP
2974	Mina	mina1276	hna	Chadic	African Savannah	none	
3366	Miyako-Jima	nucl1643	jpn	Japanese	N Coast Asia	none	
2029	Moghol	mogh1245	mhj	Mongolic	Greater Mesopotamia	Cond.	TAMEP
2943	Moloko	molo1266	mlw	Chadic	African Savannah	full	
2047	Mon	monn1252	mnw	Austroasiatic	Southeast Asia	none	
188	Mongolian (Khalkha)	halh1238	khk	Mongolic	Inner Asia	none	
3088	Mono	mono1270	mnh	Adamawa-Ubangi	S Africa	none	
1991	Moré	moss1236	mos	Gur	African Savannah	none	
191	Motuna	siwa1245	siw	South Bougainville	Oceania	full	

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193	Mparntwe Arernte	east2379	aer	Pama-Nyungan	S Australia	full	
2989	Mualang	mual1241	mtd	Austronesian	Southeast Asia	none	
3070	Mufian	mufi1238	aoj	Torricelli	N Coast New Guinea	full	
2031	Mugil	barg1252	mlp	Madang (TNG)	N Coast New Guinea	Cond.	TAMEP, verb_class
2096	Mumuye	nucl1240	mzm	Adamawa-Ubangi	African Savannah	none	
2093	Mundang	mund1325	mua	Adamawa-Ubangi	African Savannah	none	
558	Mundari	mund1320	unr	Austroasiatic	Indic	Cond.	ref
2668	Munsee	muns1251	umu	Algic	E North America	Cond.	ref, TAMEP
2498	Mupun	mwag1236	sur	Chadic	African Savannah	none	
559	Murle	murl1244	mur	Surmic (NS)	African Savannah	Cond.	TAMEP
2098	Mursi	murs1242	muz	Surmic (NS)	Greater Abyssinia	full	
956	Nahuatl (Sierra de Zacapoaxtla)	high1278	azz	Uto-Aztecan	Mesoamerica	full	
572	Nahuatl (Tetelcingo)	tete1251	nhg	Uto-Aztecan	Mesoamerica	full	
2132	Nalik	nali1244	nal	Austronesian	N Coast New Guinea	full	
199	Nama	nama1264	naq	Kwadi-Khoe	S Africa	full	
2190	Namia	nami1256	nnm	Sepik	N Coast New Guinea	none	
201	Nanai	nana1257	gld	Tungusic	N Coast Asia	full	
299	Nandi	nand1266	niq	Nilotic (NS)	S Africa	Cond.	TAMEP

2189	Nankina	nank1250	nnk	Finisterre-Huon (TNG)	N Coast New Guinea	full	
3359	Nanti	nant1250	cox	Arawakan	NE South America	full	
2934	Nluu	nuuu1241	ngh	!Ui-Taa	S Africa	none	
2150	Ndut	ndut1239	ndv	North Atlantic	African Savannah	full	
2153	Negidal	negi1245	neg	Tungusic	N Coast Asia	full	
894	Nend	nend1239	anh	Madang (TNG)	N Coast New Guinea	full	
206	Nepali	nepa1254	nep	Indo-European	Indic	Cond.	verb_class
3117	Nepali (Eastern)	nepa1254	npi	Indo-European	Indic	Cond.	TAMEP
468	Newar (Dolakha)	east2773	NA	Sino-Tibetan	Indic	full	
2172	Nganasan	ngan1291	nio	Uralic	Inner Asia	Cond.	ref
210	Ngiyambaa	wang1291	wyb	Pama-Nyungan	S Australia	none	
3305	Nhengatu	nhen1239	yrl	Tupian	NE South America	Cond.	verb_class
2173	Nias	nias1242	nia	Austronesian	Southeast Asia	Cond.	TAMEP
2210	Nisenan	nise1244	nsz	Maiduan	California	none	
654	Nisgha	nisg1240	ncg	Tsimshianic	Alaska-Oregon	Cond.	verb_class
2455	Noon	noon1242	snf	North Atlantic	African Savannah	none	
1264	Northern Dong	kami1255	doc	Tai-Kadai	Southeast Asia	none	
2871	Northern Tujia	nort2732	tji	Sino-Tibetan	Southeast Asia	none	
1538	Nubian (Hill)	kenu1236	kzh	Nubian (NS)	African Savannah	full	

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1348	Nubian (Kunuz)	kenu1243	xnz	Nubian (NS)	N Africa	full	
3064	Numanggang	numa1254	nop	Finisterre-Huon (TNG)	N Coast New Guinea	full	
318	Nunggubuyu	nung1290	nuy	Gunwingguan	N Australia	full	
2218	Nupe	nupe1254	nup	Benue-Congo	African Savannah	none	
317	Nuuchahnulth	nuuc1236	nuk	Wakashan	Alaska-Oregon	full	
2233	Nyawaygi	nyaw1247	nyt	Pama-Nyungan	N Australia	none	
328	O'odham	toho1245	ood	Uto-Aztecán	Basin and Plains	full	
1343	Oirat	oira1263	oia	Mongolic	Inner Asia	none	
320	Oirata	oira1263	oia	Timor-Alor-Pantar	Oceania	none	
3069	Ojibwa (Central)	cent2136	ojc	Algic	E North America	Cond.	TAMEP
2244	Ojibwa (Eastern)	east2542	ojg	Algic	E North America	Cond.	ref, TAMEP
322	Oksapmin	oksa1245	opm	Macro-Ok	Interior New Guinea	Cond.	ref, verb_class
2999	Old Thulung (Mukli)	thul1246	tdh	Sino-Tibetan	Indic	Cond.	ref, TAMEP
2251	Olo	oloo1241	ong	Torricelli	N Coast New Guinea	Cond.	verb_class
2250	Omagua	omag1248	omg	Tupian	NE South America	full	
1468	Ora (Nigeria)	emai1241	ema	Benue-Congo	African Savannah	none	
2102	Ordos	peri1253	mvf	Mongolic	Southeast Asia	none	
2255	Orokaiva	orok1269	ork	Greater Binanderean (TNG)	S New Guinea	full	

324	Oromo	east2652	hae	Cushitic	S Africa	full	
325	Ossetic	osse1243	oss	Indo-European	Greater Mesopotamia	full	
3099	Otomi (Estado de México)	esta1236	ots	Otomanguean	Mesoamerica	full	
3028	Otomi (Tilapa)	tila1239	otl	Otomanguean	Mesoamerica	full	
2268	Pacoh	paco1243	pac	Austroasiatic	Southeast Asia	none	
2290	Pagu	pagu1249	pgu	West Papuan	Oceania	full	
3306	Pai Tavytera	pait1247	pta	Tupian	SE South America	Cond.	ref, verb_class
718	Paiute (Northern)	nort2954	pao	Uto-Aztecan	Basin and Plains	none	
1487	Palor	palo1243	fap	North Atlantic	African Savannah	none	
3262	Parakanã	para1312	pak	Tupian	NE South America	Cond.	ref, verb_class
563	Passamaquoddy	male1292	pqm	Algic	E North America	Cond.	ref, TAMEP
456	Persian	west2369	pes	Indo-European	Greater Mesopotamia	Cond.	TAMEP
2306	Pilagá	pila1245	plg	Guaicuruan	SE South America	full	
332	Pipil	pipi1250	ppl	Uto-Aztecan	Mesoamerica	full	
333	Pirahã	pira1253	myp	Muran	NE South America	none	
568	Pomo (Southeastern)	sout2982	pom	Pomoan	California	none	
2335	Provençal	fran1260	frp	Indo-European	Europe	Cond.	TAMEP

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2863	Puma	puma1239	pum	Sino-Tibetan	Indic	Cond.	ref, TAMEP
722	Qiang (Northern)	nort2722	cng	Sino-Tibetan	Southeast Asia	Cond.	ref
104	Quechua (Huallaga)	hual1241	qub	Quechuan	Andean	full	
533	Quechua (Imbabura)	imba1240	que	Quechuan	Andean	Cond.	TAMEP
2352	Quechua (Tarma)	nort2980	que	Quechuan	Andean	Cond.	ref
337	Quiche	kich1262	quc	Mayan	Mesoamerica	full	
689	Rarámuri	low1265	tac	Uto-Aztecan	Mesoamerica	full	
339	Resígaro	resi1247	rgr	Arawakan	NE South America	none	
2591	Retuarã	tani1257	tnc	Tucánoan	NE South America	full	
2997	Reyesano	reye1240	rey	Pano-Tacanan	NE South America	Cond.	ref
2371	Ritharngu	rita1239	rit	Pama-Nyungan	N Australia	none	
2939	River Warihío	huar1255	var	Uto-Aztecan	Mesoamerica	none	
2378	Rotokas	roto1249	roo	North Bougainville	Oceania	full	
340	Russian	russ1263	rus	Indo-European	Inner Asia	Cond.	TAMEP
345	Salt-Yui	salt1242	sll	Chimbu-Wahgi (TNG)	Interior New Guinea	Cond.	TAMEP
2148	Samba Leko	samb1305	ndi	Adamawa-Ubangi	African Savannah	none	
466	Sango	sang1328	sag	Adamawa-Ubangi	S Africa	full	



727	Sardinian	camp1261	srd	Indo-European	Europe	full	
2500	Savosavo	savo1255	svs	Savosavo	Oceania	full	
2848	Saweru	sawe1240	swr	West Papuan	N Coast New Guinea	full	
3085	Seim	mend1268	sim	Sepik	N Coast New Guinea	none	
2990	Seimat	seim1238	ssg	Austronesian	Oceania	none	
3006	Sheko	shek1245	she	Omotic	Greater Abyssinia	Cond.	ref
2402	Sherpa	sher1255	xsr	Sino-Tibetan	Indic	none	
2885	Shughni	shug1248	sgh	Indo-European	Indic	full	
2434	Siar	siar1238	sjr	Austronesian	N Coast New Guinea	Cond.	verb_class
2453	Sinaugoro	sina1266	snc	Austronesian	S New Guinea	full	
2456	Sinhala	sinh1246	sin	Indo-European	Indic	none	
2476	SirionÃ³	siri1273	srq	Tupian	NE South America	Cond.	ref, verb_class
354	Slave	nort2942	scs	Na-Dene	E North America	Cond.	ref
2447	Slovene	slov1268	slv	Indo-European	Europe	Cond.	TAMEP
355	Somali	soma1255	som	Cushitic	Greater Abyssinia	Cond.	ref
443	Songhai (Koyra Chiini)	koyr1240	khq	Songhai	African Savannah	none	
3399	Southern Aymara	sout2996	ayc	Aymaran	Andean	Cond.	ref
569	Spanish	stan1288	spa	Indo-European	Europe	full	
2489	Stieng	bulo1242	sti	Austroasiatic	Southeast Asia	none	

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358	Suena	suen1241	sue	Greater Binanderean (TNG)	S New Guinea	full	
497	Supyire	supy1237	spp	Senufo	African Savannah	none	
361	Swahili	swah1253	swa	Benue-Congo	S Africa	Cond.	ref
385	Tümpisa Shoshone	shos1248	shh	Uto-Aztecan	Basin and Plains	none	
3053	Tainae	tain1253	ago	Angan	S New Guinea	full	
363	Takelma	take1257	tkm	Takelma-Kalapuyan	California	Cond.	ref, verb_class
3012	Tamambo	malo1243	mle	Austronesian	Oceania	full	
3042	Tamashek (Burkin Faso)	tama1365	taq	Berber	African Savannah	full	
3040	Tamashek (Mali)	tama1365	taq	Berber	African Savannah	full	
571	Tamazight (Ayt Ndhir)	cent2194	tzm	Berber	N Africa	full	
2536	Tamil	tami1289	tam	Dravidian	Indic	full	
2514	Tapiete	tapi1253	tpj	Tupian	SE South America	Cond.	ref, verb_class
3261	Tapirapé	tapi1254	taf	Tupian	NE South America	Cond.	ref
2513	Tariana	tari1256	tae	Arawakan	NE South America	Cond.	TAMEP
367	Tauya	tauy1241	tya	Madang (TNG)	Interior New Guinea	full	
369	Tehit	tehi1237	kps	West Papuan	N Coast New Guinea	full	
2992	Teiwa	teiw1235	twe	Timor-Alor-Pantar	Oceania	Cond.	ref, verb_class

2537	Telugu	telu1262	tel	Dravidian	Indic	full	
371	Temiar	temi1246	tea	Austroasiatic	Southeast Asia	full	
3269	Tenetchara	temb1276	tqb	Tupian	NE South America	Cond.	ref
2544	Tepehuan (Southeastern)	sout2976	stp	Uto-Aztecan	Mesoamerica	Cond.	ref, TAMEP
373	Tera	tera1251	ttr	Chadic	African Savannah	Cond.	verb_class
2557	Ternate	tern1247	tft	West Papuan	Oceania	full	
2548	Teso	teso1249	teo	Nilotic (NS)	S Africa	Cond.	ref
2562	Thaayorre	thay1249	thd	Pama-Nyungan	N Australia	Cond.	verb_class
374	Thai	thai1261	tha	Tai-Kadai	Southeast Asia	none	
667	Thulung (Mukli)	thul1246	tdh	Sino-Tibetan	Indic	Cond.	ref, TAMEP
1144	Tinrin	tiri1258	cir	Austronesian	Oceania	full	
1414	Tirmaga	suri1267	suq	Surmic (NS)	Greater Abyssinia	Cond.	TAMEP
378	Tiwi	tiwi1244	tiw	Tiwi	N Australia	Cond.	ref
2628	Tobati	toba1266	tti	Austronesian	N Coast New Guinea	full	
2580	Tobelo	tobe1252	tlb	West Papuan	Oceania	full	
932	Tocantins Asurini	toca1235	asu	Tupian	NE South America	Cond.	ref, verb_class
2607	Trique (Copala)	copa1237	trc	Otomanguean	Mesoamerica	none	
383	Trumaí	trum1247	tpy	Trumaí	NE South America	none	
3009	Tsamai	tsam1247	tsb	Cushitic	Greater Abyssinia	full	

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1263	Tsez	dido1241	ddo	Nakh-Daghestanian	Greater Mesopotamia	full	
2617	Tshangla	tsha1245	tsj	Sino-Tibetan	Indic	none	
384	Tukang Besi	tuka1249	bhq	Austronesian	Oceania	Cond.	ref
2539	Tulu	tulu1258	tcy	Dravidian	Indic	full	
2641	Turkana	turk1308	tuv	Nilotic (NS)	S Africa	Cond.	ref
502	Turkish	nucl1301	tur	Turkic	Greater Mesopotamia	Cond.	ref
2639	Tuscarora	tusc1257	tus	Iroquoian	E North America	Cond.	ref
387	Tuva	tuvi1240	tyv	Turkic	Inner Asia	Cond.	other
1467	Tuvaluan	tuva1244	tv1	Austronesian	Oceania	full	
388	Tzutujil	tzut1248	tzj	Mayan	Mesoamerica	full	
2657	Udihe	udih1248	ude	Tungusic	N Coast Asia	Cond.	TAMEP
679	Udmurt	udmu1245	udm	Uralic	Inner Asia	Cond.	TAMEP
391	Uradhi	urad1238	urf	Pama-Nyungan	N Australia	none	
574	Urubú-Kaapor	urub1250	urb	Tupian	NE South America	full	
393	Usan	usan1239	wnu	Madang (TNG)	N Coast New Guinea	Cond.	ref
494	Vietnamese	viet1252	vie	Austroasiatic	Southeast Asia	none	
2702	Wagiman	wage1238	waq	Gunwingguan	N Australia	Cond.	ref
2935	Waimiri Atroari	waim1253	atr	Cariban	NE South America	Cond.	ref
2865	Wambule	wamb1257	wme	Sino-Tibetan	Indic	Cond.	ref, TAMEP
398	Wappo	wapp1239	wao	Yuki-Wappo	California	none	

402	Warembori	ware1253	wsa	Lower Mamberamo	N Coast New Guinea	full	
403	Waris	wari1266	wrs	Border	N Coast New Guinea	none	
407	Waskia	wask1241	wsk	Madang (TNG)	N Coast New Guinea	Cond.	verb_class
2265	Wayampi	waya1270	oym	Tupian	NE South America	Cond.	ref, verb_class
2726	Welsh	wels1247	cym	Indo-European	Europe	Cond.	co-occurrence
408	Wemba Wemba	west2443	xww	Pama-Nyungan	S Australia	full	
3386	West Uvean	west2516	uve	Austronesian	Oceania	none	
2993	Witsuwit'en	babi1235	bcr	Na-Dene	Alaska-Oregon	full	
2707	Wolaytta	wola1242	wal	Omoti	Greater Abyssinia	full	
3250	Xingú Asurini	xing1248	asn	Tupian	NE South America	Cond.	ref
2869	Yagaria	yaga1260	ygr	Eastern Highlands (TNG)	Interior New Guinea	full	
2996	Yakkha	yakk1236	ybh	Sino-Tibetan	Indic	Cond.	ref, TAMEP
2662	Yakut	yaku1245	sah	Turkic	Inner Asia	full	
637	Yamphu	sout2734	ybi	Sino-Tibetan	Indic	Cond.	ref, TAMEP
665	Yana	yana1271	ynn	Yana	California	Cond.	ref
416	Yankunytjara	yank1247	kdd	Pama-Nyungan	S Australia	none	
503	Yaqui	yaqu1251	yaq	Uto-Aztecan	Mesoamerica	none	
419	Yessan-Mayo	yess1239	yss	Sepik	N Coast New Guinea	none	
580	Yidiny	yidi1250	yii	Pama-Nyungan	N Australia	none	
421	Yoruba	yoru1245	yor	Benue-Congo	African Savannah	none	

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682	Yucatec	yuca1254	yua	Mayan	Mesoamerica	Cond.	TAMEP, verb_class
2797	Yukagir (Kolyma)	sout2750	yux	Yukagir	Inner Asia	Cond.	TAMEP
424	Yukulta	gang1267	gcd	Tangkic	N Australia	full	
3049	Zapotec (San Baltazar Loxicha)	sanb1241	zpx	Otomanguean	Mesoamerica	none	
2801	Zapotec (San Lucas Quiavini)	sanj1284	zab	Otomanguean	Mesoamerica	none	
1129	Zhuang (Northern)	nort3189	zha	Tai-Kadai	Southeast Asia	none	
3054	Zia	ziaa1250	zia	Greater Binanderean (TNG)	S New Guinea	full	
581	Zulu	zulu1248	zul	Benue-Congo	S Africa	Cond.	ref
429	Zuni	zuni1245	zun	Zuni	Basin and Plains	Cond.	verb_class

