A case for systematic sound symbolism in pragmatics: Universals in wh-words List of languages used

This is a list of languages used in the main analyses. It shows:

- the name of the language
- the Glottolog and ISO identifier
- the language family and area
- the source of the word list
- the position of interrogative phrases in the language
- the source for the interrogative position data (WALS refers to Dryer (2013))
- the reference for the interrogative position data if not in WALS

Coding interrogative position

34 languages were coded by two coders (one of the authors, AS and and a naive coder, JP) according to the typology in Dryer (2013). They agreed on 28 out of 34 languages (82%). A third coder (one of the authors, SR) blindly coded 6 random languages and agreed on all with both of the other coders (and cited the same grammars and page numbers as evidence). The third coder then coded languages that the first two coders disagreed on (without knowing the coding decisions), and made an executive decision. 5 of the 6 decisions sided with AS.

| Name | Glottocode | WALS code | Family | Area | Source | Interrogative | IP Source | Reference |
|-------------------|------------|-------------|----------------|-------------------------|-------------|----------------|-----------|--|
| Polci | polc1243 | | Afro-Asiatic | African Savannah | IDS | | | |
| Gawwada | gaww1239 | dug | Afro-Asiatic | Greater Abyssinia | WOLD | | | |
| Hausa | haus1257 | hau | Afro-Asiatic | African Savannah | WOLD | Mixed | WALS | |
| Tarifiyt Berber | tari1263 | brf | Afro-Asiatic | N Africa | WOLD | Initial | WALS | |
| raqw | iraq1241 | irq | Afro-Asiatic | S Africa | WOLD | Non-Initial | WALS | |
| Mapudungun | mapu1245 | map | Araucanian | Andean | WOLD | Non-Initial | WALS | |
| Mashco Piro | mash1270 | | Arawakan | NE South America | IDS | | | |
| Vapishana | wapi1253 | wps | Arawakan | NE South America | IDS | | | |
| Vaur | waur1244 | wur | Arawakan | NE South America | IDS | | | |
| Trinitario – | trin1274 | | Arawakan | NE South America | IDS | Initial | S&R | (Rose, 2014, 91) |
| Yavitero | yavi1244 | | Arawakan | NE South America | IDS | Initial | S&R | (Mosonyi et al., 2000, 638)(Mosonyi, 1987, 79) |
| Goajiro | wayu1243 | goa | Arawakan | NE South America | IDS | Initial | WALS | |
| gnaciano | igna1246 | ign | Arawakan | NE South America | IDS | Initial | WALS | |
| Swahili | swah1253 | swa | Atlantic-Congo | S Africa | WOLD | Non-Initial | WALS | |
| Ahlao Th | aheu1239 | | Austroasiatic | Southeast Asia | IDS | | | |
| Bulang-2 | blan1242 | | Austroasiatic | Southeast Asia | IDS | | | |
| Cuoi | cuoi1242 | | Austroasiatic | Southeast Asia | IDS | | | |
| duh | oduu1239 | | Austroasiatic | Southeast Asia | IDS | | | |
| Keme | manm1238 | | Austroasiatic | Southeast Asia | IDS | | | |
| Keme Kha Poong | khap1242 | | Austroasiatic | Southeast Asia | IDS | | | |
| Malieng | mali1278 | | Austroasiatic | Southeast Asia | IDS | | | |
| | | | Austroasiatic | Southeast Asia | IDS | | | |
| Mang Ch | mang1378 | mlm | Austroasiatic | Southeast Asia | IDS | | | |
| Alabri Talan | mlab1235 | mlm | | | | | | |
| lyakur | nyah1250 | $_{ m nkt}$ | Austroasiatic | Southeast Asia | IDS | | | |
| Paliu | boly1239 | | Austroasiatic | Southeast Asia | IDS | | | |
| Phong | phon1246 | | Austroasiatic | Southeast Asia | IDS | | | |
| Prai | pray1239 | | Austroasiatic | Southeast Asia | IDS | | | |
| Pusing | bitt1240 | | Austroasiatic | Southeast Asia | IDS | | | |
| Rumai | ruma1248 | | Austroasiatic | Southeast Asia | IDS | | | |
| amre | samr1245 | | Austroasiatic | Southeast Asia | IDS | | | |
| Va | nucl1290 | | Austroasiatic | Southeast Asia | IDS | | | |
| ζu | huuu1240 | | Austroasiatic | Southeast Asia | IDS | | | |
| CHNG | west2394 | ksn | Austroasiatic | Southeast Asia | IDS | Non-Initial | WALS | |
| Chong | chon1284 | ksn | Austroasiatic | Southeast Asia | IDS | Non-Initial | WALS | |
| Kasong | suoy1242 | ksn | Austroasiatic | Southeast Asia | IDS | Non-Initial | WALS | |
| Pear | pear1247 | ksn | Austroasiatic | Southeast Asia | IDS | Non-Initial | WALS | |
| Surin Khmer | suri1265 | khm | Austroasiatic | Southeast Asia | IDS | Non-Initial | WALS | |
| Khasi | khas1269 | khs | Austroasiatic | Indic | Sprakbanken | Non-Initial | WALS | |
| Ceq Wong | chew1245 | | Austroasiatic | Southeast Asia | ŴOLD | | | |
| /ietnamese | viet1252 | vie | Austroasiatic | Southeast Asia | WOLD | Non-Initial | WALS | |
| Tuamotuan | tuam1242 | tua | Austronesian | Oceania | IDS | | | |
| Rapa Nui | rapa1244 | rap | Austronesian | Oceania | IDS | Initial | S&R | (Feu, 1996, 19)(Weber, 2007, 73) |
| Hawaiian | hawa1245 | haw | Austronesian | Oceania | IDS | Non-Initial | WALS | , |
| Aaori | maor1246 | mao | Austronesian | Oceania | IDS | Non-Initial | WALS | |
| Rotuman | rotu1241 | rot | Austronesian | Oceania | IDS | Non-Initial | WALS | |
| Takia | taki1248 | tak | Austronesian | N Coast New Guinea | WOLD | | | |
| ndonesian | indo1316 | ind | Austronesian | Southeast Asia | WOLD | Mixed | WALS | |
| Malagasy | plat1254 | mal | Austronesian | Southeast Asia | WOLD | Initial | WALS | |
| Aymara | cent2142 | aym | Aymara | Andean | IDS | Non-Initial | WALS | |
| Colorado | colo1256 | tsf | Barbacoan | Andean | IDS | 11011 11110101 | ********* | |
| Cayapa | chac1249 | | Barbacoan | Andean | IDS | Initial | WALS | |
| | | cay | Basque | | IDS | Non-Initial | WALS | |
| Basque Vai Wai | basq1248 | bqb | Cariban | Europe NE South America | IDS | rvoii-iiiitial | WALD | |
| | waiw1244 | wai | | NE South America | | Tuitial | C f - D | (Darma and Darma 2012 200) |
| anare | enap1235 | pnr | Cariban | NE South America | IDS | Initial | S&R | (Payne and Payne, 2013, 380) |
| De'kwana | maqu1238 | cde | Cariban | NE South America | IDS | Initial | WALS | |
| Macushi | macu1259 | mac | Cariban | NE South America | IDS | Initial | WALS | |
| Kali'na | gali1262 | car | Cariban | NE South America | WOLD | | | |
| Cayuvava | cayu1262 | cyv | Cayubaba | NE South America | IDS | | | |
| Bar | bari1297 | $_{ m mti}$ | Chibchan | NE South America | IDS | | | (= · · · · · · · · · · · · · · · · · |
| Auisca | chib1270 | msc | Chibchan | NE South America | IDS | Initial | S&R | (Ostler, 1994, 22) |
| Embera | nort2972 | $_{ m emb}$ | Chocoan | Andean | IDS | Initial | S&R | (Mortensen, 1999, 13) |
| Epena | epen1239 | epe | Chocoan | Andean | IDS | Initial | WALS | |
| Selknam | onaa1245 | sel | Chonan | SE South America | IDS | | | |

| Cola | Tehuelche | tehu1242 | teh | Chonan | SE South America | IDS | Initial | S&R | (Fernndez Garay, 1998, 425) |
|--|-----------------|----------|----------------------|-------------------|---------------------|------|-------------|------|-----------------------------|
| Telling | Cofn | cofa1242 | | Cofn | Andean | IDS | | | |
| Moser | | | $_{ m tml}$ | | | | | | |
| Pilag | | telu1262 | tel | Dravidian | | | | | |
| Total | | moco1246 | mcv | Guaicuruan | SE South America | | | | |
| Northern Hairian Nort-2018 Northern Hairian Nort-2018 Northern Hairian Nort-2018 Northern Hairian Northern Hair | Pilag | pila1245 | pga | Guaicuruan | SE South America | | Initial | | |
| Witter Hronge whore 1333 who Hronge-Nirm Indo-European Clearupean | Toba | | $_{ m tob}$ | Guaicuruan | SE South America | | Initial | WALS | |
| Nomani | | nort2938 | $_{ m hno}$ | $_{ m Haida}$ | | IDS | | | |
| Jude Table Jude Table Jude Table Jude Table Jude Table Jude Table Jude J | White Hmong | hmon1333 | $_{ m hmd}$ | Hmong-Mien | Southeast Asia | WOLD | | | |
| Mahasu Pahari | | vlax1238 | $_{\rm rka}$ | Indo-European | Europe | IDS | | | |
| Tocharian B | | jude1256 | | Indo-European | | | | | |
| Tocharian A Toch 1242 | Mahasu Pahari | maha1287 | | Indo-European | Indic | IDS | | | |
| Albanian | Tocharian B | tokh1243 | | Indo-European | Indic | IDS | | | |
| Serbo-Croatian Souti Serbo-Croatian Serbo-Croatia | | | | Indo-European | Inner Asia | | | | |
| Serbec Croatian Sout 1528 ser Indo-European Indic Indic IDS Initial S&R (Hudson, 1965, 63) | Albanian | tosk1239 | $_{ m alb}$ | Indo-European | Europe | | Initial | S&R | |
| Bengali beng 1280 ben Indo-European Indic IDS Non-Initial WALS | Yiddish | east2295 | ydb | Indo-European | Europe | IDS | Initial | S&R | (Zucker, 1994, 38) |
| Berton | Serbo-Croatian | sout1528 | scr | Indo-European | Greater Mesopotamia | IDS | Initial | S&R | |
| Bulgarian Bulgarian Bulgarian Bulgarian Bulgarian Spanish stant288 spa Indo-European Europe Europe Europe Europe Europe India WALS | Bengali | beng1280 | ben | Indo-European | Indic | IDS | Non-Initial | | (Hudson, 1965, 63) |
| Spanish | Breton | bret1244 | $_{ m bre}$ | Indo-European | Europe | IDS | Initial | WALS | |
| Armenian east 2283 arm Indo-European Greater Mesopotamia IDS Non-Initial WALS | Bulgarian | bulg1262 | bul | Indo-European | Europe | IDS | Initial | WALS | |
| Persian | Spanish | stan1288 | $_{\mathrm{spa}}$ | Indo-European | Europe | IDS | Initial | WALS | |
| Hindi | Armenian | east2283 | $_{\mathrm{arm}}$ | Indo-European | Greater Mesopotamia | IDS | Non-Initial | WALS | |
| Marathi mara 1378 | Persian | west2369 | $_{ m prs}$ | Indo-European | Greater Mesopotamia | IDS | Non-Initial | WALS | |
| Nepali | Hindi | hind1269 | hin | Indo-European | Indic | IDS | Non-Initial | WALS | |
| Punjabi | Marathi | mara1378 | $_{ m mhi}$ | Indo-European | Indic | IDS | Non-Initial | WALS | |
| Russian | Nepali | east1436 | nep | Indo-European | Indic | IDS | Non-Initial | WALS | |
| Lower Sorbian lowel 385 srl Indo-European Europe WOLD Selice Romania romal 327 ml Indo-European Europe WOLD Selice Romania west 2376 Indo-European Europe WOLD Initial S&R (Asel, 2007, 54) | Punjabi | west2386 | pan | Indo-European | Indic | IDS | Non-Initial | WALS | |
| Romanian | Russian | russ1263 | rus | Indo-European | Inner Asia | IDS | Initial | WALS | |
| Selice Romani | Lower Sorbian | lowe1385 | srl | Indo-European | Europe | WOLD | | | |
| Dutch Old High German Old Part Indo-European Europe WOLD Initial S&R (Azel, 2007, 54) | Romanian | roma1327 | mol | Indo-European | Europe | WOLD | | | |
| Old High German Old High German Saramaccan Sarama | Selice Romani | west2376 | | Indo-European | Europe | WOLD | | | |
| Saramaccan | Dutch | dutc1256 | $_{ m dbr}$ | Indo-European | Europe | WOLD | Initial | S&R | |
| English | Old High German | oldh1241 | | Indo-European | Europe | WOLD | Initial | S&R | (Axel, 2007, 54) |
| Itonama | Saramaccan | sara1340 | $_{ m srm}$ | Indo-European | NE South America | WOLD | Initial | S&R | (BYRNE JR, 1985, 30) |
| Japanese | English | stan1293 | eng | Indo-European | Europe | WOLD | Initial | WALS | |
| Aguaruna agua 1233 agr Jivaroan Andean IDS Karok karo1304 krk Karok California IDS Qawasqar qawa1238 qaw Kunza Andean IDS Lengua leng1262 lng Lengua-Mascoy SE South America IDS Sanapan sana1281 Lengua-Mascoy SE South America IDS Maca maca1260 mca Matacoan SE South America IDS Maca maca1260 mca Matacoan SE South America IDS Wich mich1238 chu Matacoan SE South America IDS Wich wich1264 wch Matacoan SE South America IDS Wich wich1264 wch Matacoan SE South America IDS Q'eqchi' kekc1242 kek Mayan Mesoamerica WOLD Initial WALS Mosetn mose1249 mos Mosetn-Chiman NE South America IDS | Itonama | iton1250 | ito | Itonama | NE South America | IDS | Initial | S&R | (Crevels, 2012, 251,255) |
| Karok | Japanese | nucl1643 | $_{ m jpn}$ | Japonic | N Coast Asia | WOLD | Non-Initial | WALS | |
| Qawasqar qawa1238 qaw Kawesqar SE South America IDS Kunza kunz1244 atm Kunza Andean IDS Lengua leng1262 lng Lengua-Mascoy SE South America IDS Sanapan sana1281 Lengua-Mascoy SE South America IDS Maca maca1260 mca Matacoan SE South America IDS Mixac mixal 238 ct Matacoan SE South America IDS Wich wich1264 wch Matacoan SE South America IDS Wich wich1264 wch Matacoan SE South America IDS Zinacanth Tzotzil kekc1242 kek Mayan Mesoamerica WOLD Initial WALS Mostn mosel1249 mos Mostn-Chiman NE South America IDS Initial WALS Hup hupd1244 hpd Nadahup NE South America IDS Initial WALS Aghul agh | Aguaruna | agua1253 | agr | Jivaroan | Andean | IDS | | | |
| Kunza kunza kunza Andean IDS Lengua leng1262 lng Lengua-Mascoy SE South America IDS Sanapan sana1281 Lengua-Mascoy SE South America IDS Chorote iyoj1235 crt Matacoan SE South America IDS Maca maca1260 mca Matacoan SE South America IDS Nivacl niva1238 chu Matacoan SE South America IDS Wich wich1264 wch Matacoan SE South America WOLD Initial WALS Q'eqchi' kekc1242 kek Mayan Mesoamerica WOLD Initial SER Mosetn mose1249 mos Mosetn-Chiman NE South America IDS Initial WALS Hup hupd1244 hpd Nadahup NE South America IDS Initial WALS Aghul aghu1253 agl Nakh-Daghestanian Greater Mesopotamia IDS <t< td=""><td>Karok</td><td>karo1304</td><td>krk</td><td>Karok</td><td>California</td><td>IDS</td><td></td><td></td><td></td></t<> | Karok | karo1304 | krk | Karok | California | IDS | | | |
| Lengua | Qawasqar | qawa1238 | qaw | Kawesqar | SE South America | IDS | | | |
| Sanapan Sana1281 | Kunza | kunz1244 | $_{ m atm}$ | Kunza | Andean | | | | |
| Chorote iyoj1235 crt Matacoan SE South America IDS Maca maca1260 mca Matacoan SE South America IDS Nivacl nival238 chu Matacoan SE South America IDS Wich wich1264 wch Matacoan SE South America WOLD Initial WALS Q'eqchi' kekcl242 kek Mayan Mesoamerica WOLD Initial WALS Zinacantn Tzotzil tzot1264 tzz Mayan Mesoamerica WOLD Initial WALS Mosetn mose1249 mos Mosetn-Chiman NE South America IDS Initial WALS Movima mvi1243 mov Movima NE South America IDS Initial WALS Aghul aghu1253 agl Nakh-Daghestanian Greater Mesopotamia IDS Andi andi1255 anx Nakh-Daghestanian Greater Mesopotamia IDS Budukh budul248 bdk | Lengua | leng1262 | $_{ m lng}$ | Lengua-Mascoy | SE South America | IDS | | | |
| Maca maca1260 mca Matacoan SE South America IDS Nivacl nival 238 chu Matacoan SE South America IDS Wich wich1264 wch Matacoan SE South America WOLD Initial WALS Q'eqchi' kekc1242 kek Mayan Mesoamerica WOLD Initial S&R (Stewart, 1980, 84,96) Zinacantn Tzotzil tzot1264 tzz Mayan Mesoamerica WOLD Initial S&R Mosetn mose1249 mos Mosetn-Chiman NE South America IDS Initial WALS Movima movi1243 mov Movima NE South America IDS Initial WALS Hup hupd1244 hpd Nadahup NE South America WOLD Initial WALS Aghul aghu1253 agl Nakh-Daghestanian Greater Mesopotamia Greater Mesopotamia IDS Andi andi1255 anx Nakh-Daghestanian Greater Mesopotamia IDS Bagvalal bagv1239 bgv Nakh-Daghestanian Greater Mesopotamia IDS Budukh budu1248 bdk Nakh-Daghestanian Greater Mesopotamia IDS Bargwa darg1241 drg Nakh-Daghestanian Greater Mesopotamia IDS Godoberi ghod1238 god Nakh-Daghestanian Greater Mesopotamia IDS Hinuq hinu1240 hnk Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS Interest Mesopotamia IDS | Sanapan | sana1281 | | | SE South America | | | | |
| Nivacl nival238 chu Matacoan SE South America IDS Wich wich1264 wch Matacoan SE South America WOLD Initial WALS Q'eqchi' kekcl242 kek Mayan Mesoamerica WOLD Initial S&R (Stewart, 1980, 84,96) Zinacantn Tzotzil tzot1264 tzz Mayan Mesoamerica WOLD Initial S&R Mosetn mosel249 mos Mosetn-Chiman NE South America IDS Initial WALS Mosetn mosel249 mos Mosetn-Chiman NE South America IDS Initial WALS Hup hupd1244 hpd Nadahup NE South America IDS Initial WALS Hup hupd1244 hpd Nadahup NE South America IDS Initial WALS Aghul aghu1253 agl Nakh-Daghestanian Akhvakh akhv1239 axv Nakh-Daghestanian Bagvalal bagv1239 bgv Nakh-Daghestanian Botlikh botl1242 Nakh-Daghestanian Greater Mesopotamia IDS Bagvalal bagv1239 bgv Nakh-Daghestanian Greater Mesopotamia IDS Budukh budu1248 bdk Nakh-Daghestanian Greater Mesopotamia IDS Chamalal cham1309 chm Nakh-Daghestanian Greater Mesopotamia IDS Godoberi ghod1238 god Nakh-Daghestanian Greater Mesopotamia IDS Godoberi ghod1238 god Nakh-Daghestanian Greater Mesopotamia IDS Hinuq hinu1240 hnk Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS | Chorote | iyoj1235 | crt | Matacoan | SE South America | IDS | | | |
| Wich wich 1264 wch Matacoan SE South America WOLD Initial WALS Q'eqchi' kekc1242 kek Mayan Mesoamerica WOLD Initial S&R (Stewart, 1980, 84,96) Zinacantn Tzotzil tzot1264 tzz Mayan Mesoamerica WOLD Initial S&R (Stewart, 1980, 84,96) Mosetn mose1249 mos Mosetn-Chiman NE South America IDS Initial WALS Movima movi1243 mov Movima NE South America IDS Initial WALS Hup hupd1244 hpd Nadahup NE South America WOLD Initial WALS Initial WALS Movima aghu1253 agl Nakh-Daghestanian Greater Mesopotamia IDS Initial WALS Makhvakh akhv1239 axv Nakh-Daghestanian Greater Mesopotamia IDS Makh-Daghestanian Greater Mesopotamia IDS M | Maca | maca1260 | mca | Matacoan | SE South America | | | | |
| Q'eqchi'kekc1242kekMayanMesoamericaWOLDInitialS&R(Stewart, 1980, 84,96)Zinacantn Tzotziltzot1264tzzMayanMesoamericaWOLDInitialS&RMosetnmose1249mosMosetn-ChimanNE South AmericaIDSInitialWALSMovimamovi1243movMovimaNE South AmericaIDSInitialWALSHuphupd1244hpdNadahupNE South AmericaWOLDInitialWALSAghulaghu1253aglNakh-DaghestanianGreater MesopotamiaIDSAhdiandi1255anxNakh-DaghestanianGreater MesopotamiaIDSBagvalalbagv1239bgvNakh-DaghestanianGreater MesopotamiaIDSBotlikhbotl1242Nakh-DaghestanianGreater MesopotamiaIDSBudukhbudu1248bdkNakh-DaghestanianGreater MesopotamiaIDSDargwadarg1241drgNakh-DaghestanianGreater MesopotamiaIDSDargwadarg1241drgNakh-DaghestanianGreater MesopotamiaIDSHinuqhinu1240hnkNakh-DaghestanianGreater MesopotamiaIDSHinuzibhunz1247hzbNakh-DaghestanianGreater MesopotamiaIDSIngushingushNakh-DaghestanianGreater MesopotamiaIDS | | | chu | | | | | | |
| Zinacantn Tzotziltzot1264tzzMayanMesoamericaWOLDInitialS&RMosetnmose1249mosMosetn-ChimanNE South AmericaIDSInitialWALSMovimamovil243movMovimaNE South AmericaIDSInitialWALSHuphupd1244hpdNadahupNE South AmericaWOLDInitialWALSAghulaghu1253aglNakh-DaghestanianGreater MesopotamiaIDSAkhvakhakhv1239axvNakh-DaghestanianGreater MesopotamiaIDSBayalalbagv1239bgvNakh-DaghestanianGreater MesopotamiaIDSBotlikhbotl1242Nakh-DaghestanianGreater MesopotamiaIDSBudukhbudu1248bdkNakh-DaghestanianGreater MesopotamiaIDSChamalalcham1309chmNakh-DaghestanianGreater MesopotamiaIDSDargwadarg1241drgNakh-DaghestanianGreater MesopotamiaIDSGodoberighod1238godNakh-DaghestanianGreater MesopotamiaIDSHinuqhinu1240hnkNakh-DaghestanianGreater MesopotamiaIDSIngushingu1240ngNakh-DaghestanianGreater MesopotamiaIDS | | | | | | | | | |
| Mosetnmose 1249mosMosetn-ChimanNE South AmericaIDSInitialWALSMovimamovil 243movMovimaNE South AmericaIDSInitialWALSHuphupd1244hpdNadahupNE South AmericaWOLDInitialWALSAghulaghu1253aglNakh-DaghestanianGreater MesopotamiaIDSAhdiandi1255anxNakh-DaghestanianGreater MesopotamiaIDSBagvalalbagv1239bgvNakh-DaghestanianGreater MesopotamiaIDSBotlikhbotl1242Nakh-DaghestanianGreater MesopotamiaIDSBudukhbudu1248bdkNakh-DaghestanianGreater MesopotamiaIDSChamalalcham1309chmNakh-DaghestanianGreater MesopotamiaIDSDargwadarg1241drgNakh-DaghestanianGreater MesopotamiaIDSGodoberighod1238godNakh-DaghestanianGreater MesopotamiaIDSHinuqhinu1240hnkNakh-DaghestanianGreater MesopotamiaIDSHunzibhunz1247hzbNakh-DaghestanianGreater MesopotamiaIDSIngushingu1240ingNakh-DaghestanianGreater MesopotamiaIDS | | | kek | | | | | | (Stewart, 1980, 84,96) |
| Movimamovi1243movMovimaNE South AmericaIDSInitialWALSHuphupd1244hpdNadahupNE South AmericaWOLDInitialWALSAghulaghu1253aglNakh-DaghestanianGreater MesopotamiaIDSAkhvakhakhv1239axvNakh-DaghestanianGreater MesopotamiaIDSAndiandi1255anxNakh-DaghestanianGreater MesopotamiaIDSBagvalalbagv1239bgvNakh-DaghestanianGreater MesopotamiaIDSBotlikhbotl1242Nakh-DaghestanianGreater MesopotamiaIDSBudukhbudu1248bdkNakh-DaghestanianGreater MesopotamiaIDSChamalalcham1309chmNakh-DaghestanianGreater MesopotamiaIDSDargwadarg1241drgNakh-DaghestanianGreater MesopotamiaIDSGodoberighod1238godNakh-DaghestanianGreater MesopotamiaIDSHinuqhinu1240hnkNakh-DaghestanianGreater MesopotamiaIDSIngushingu1240ingNakh-DaghestanianGreater MesopotamiaIDS | | | tzz | | | | | | |
| Hup hupd1244 hpd aghu1253 agl Nakh-Daghestanian Greater Mesopotamia IDS Akhvakh akhv1239 axv Nakh-Daghestanian Greater Mesopotamia IDS Andi andi1255 anx Nakh-Daghestanian Greater Mesopotamia IDS Bagvalal bagv1239 bgv Nakh-Daghestanian Greater Mesopotamia IDS Botlikh botl1242 Nakh-Daghestanian Greater Mesopotamia IDS Budukh budu1248 bdk Nakh-Daghestanian Greater Mesopotamia IDS Chamalal cham1309 chm Nakh-Daghestanian Greater Mesopotamia IDS Dargwa darg1241 drg Nakh-Daghestanian Greater Mesopotamia IDS Godoberi ghod1238 god Nakh-Daghestanian Greater Mesopotamia IDS Hinuq hinu1240 hnk Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS Ingush IDS Initial WALS Greater Mesopotamia IDS Greater Mesopotamia IDS Greater Mesopotamia IDS Greater Mesopotamia IDS Greater Mesopotamia IDS Greater Mesopotamia IDS Greater Mesopotamia IDS Greater Mesopotamia IDS Greater Mesopotamia IDS Greater Mesopotamia IDS Greater Mesopotamia IDS | | | mos | | | | | | |
| Aghul aghu1253 agl Nakh-Daghestanian Greater Mesopotamia IDS Akhvakh akhv1239 axv Nakh-Daghestanian Greater Mesopotamia IDS Andi andi1255 anx Nakh-Daghestanian Greater Mesopotamia IDS Bagvalal bagv1239 bgv Nakh-Daghestanian Greater Mesopotamia IDS Botlikh botl1242 Nakh-Daghestanian Greater Mesopotamia IDS Budukh budu1248 bdk Nakh-Daghestanian Greater Mesopotamia IDS Budukh budu1248 bdk Nakh-Daghestanian Greater Mesopotamia IDS Chamalal cham1309 chm Nakh-Daghestanian Greater Mesopotamia IDS Dargwa darg1241 drg Nakh-Daghestanian Greater Mesopotamia IDS Godoberi ghod1238 god Nakh-Daghestanian Greater Mesopotamia IDS Hinuq hinu1240 hnk Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS | | | | | | | | | |
| Akhvakh akhv1239 axv Nakh-Daghestanian Greater Mesopotamia IDS Andi andi1255 anx Nakh-Daghestanian Greater Mesopotamia IDS Bagvalal bagv1239 bgv Nakh-Daghestanian Greater Mesopotamia IDS Botlikh botl1242 Nakh-Daghestanian Greater Mesopotamia IDS Budukh budu1248 bdk Nakh-Daghestanian Greater Mesopotamia IDS Chamalal cham1309 chm Nakh-Daghestanian Greater Mesopotamia IDS Chamalal cham1309 chm Nakh-Daghestanian Greater Mesopotamia IDS Dargwa darg1241 drg Nakh-Daghestanian Greater Mesopotamia IDS Godoberi ghod1238 god Nakh-Daghestanian Greater Mesopotamia IDS Hinuq hinu1240 hnk Nakh-Daghestanian Greater Mesopotamia IDS Hinuzib hunz1247 hzb Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS | | | | | | | Initial | WALS | |
| Andi andi1255 anx Nakh-Daghestanian Greater Mesopotamia IDS Bagvalal bagv1239 bgv Nakh-Daghestanian Greater Mesopotamia IDS Botlikh botl1242 Nakh-Daghestanian Greater Mesopotamia IDS Budukh budu1248 bdk Nakh-Daghestanian Greater Mesopotamia IDS Chamalal cham1309 chm Nakh-Daghestanian Greater Mesopotamia IDS Dargwa darg1241 drg Nakh-Daghestanian Greater Mesopotamia IDS Godoberi ghod1238 god Nakh-Daghestanian Greater Mesopotamia IDS Hinuq hinu1240 hnk Nakh-Daghestanian Greater Mesopotamia IDS Hunzib hunz1247 hzb Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS | | | | | | | | | |
| Bagvalal bagv1239 bgv Nakh-Daghestanian Greater Mesopotamia IDS Botlikh botl1242 Nakh-Daghestanian Greater Mesopotamia IDS Budukh budu1248 bdk Nakh-Daghestanian Greater Mesopotamia IDS Chamalal cham1309 chm Nakh-Daghestanian Greater Mesopotamia IDS Dargwa darg1241 drg Nakh-Daghestanian Greater Mesopotamia IDS Godoberi ghod1238 god Nakh-Daghestanian Greater Mesopotamia IDS Hinuq hinu1240 hnk Nakh-Daghestanian Greater Mesopotamia IDS Hinuzib hunz1247 hzb Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS | | | axv | | | | | | |
| Botlikh botl1242 Nakh-Daghestanian Greater Mesopotamia IDS Budukh budu1248 bdk Nakh-Daghestanian Greater Mesopotamia IDS Chamalal cham1309 chm Nakh-Daghestanian Greater Mesopotamia IDS Dargwa darg1241 drg Nakh-Daghestanian Greater Mesopotamia IDS Godoberi ghod1238 god Nakh-Daghestanian Greater Mesopotamia IDS Hinuq hinu1240 hnk Nakh-Daghestanian Greater Mesopotamia IDS Hunzib hunz1247 hzb Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS | | | | | | | | | |
| Budukh budu1248 bdk Nakh-Daghestanian Greater Mesopotamia IDS Chamalal cham1309 chm Nakh-Daghestanian Greater Mesopotamia IDS Dargwa darg1241 drg Nakh-Daghestanian Greater Mesopotamia IDS Godoberi ghod1238 god Nakh-Daghestanian Greater Mesopotamia IDS Hinuq hinu1240 hnk Nakh-Daghestanian Greater Mesopotamia IDS Hunzib hunz1247 hzb Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS | | | bgv | | | | | | |
| Chamalal cham1309 chm Nakh-Daghestanian Greater Mesopotamia IDS Dargwa darg1241 drg Nakh-Daghestanian Greater Mesopotamia IDS Godoberi ghod1238 god Nakh-Daghestanian Greater Mesopotamia IDS Hinuq hinu1240 hnk Nakh-Daghestanian Greater Mesopotamia IDS Hunzib hunz1247 hzb Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS | | | | | | | | | |
| Dargwa darg1241 drg Nakh-Daghestanian Greater Mesopotamia IDS Godoberi ghod1238 god Nakh-Daghestanian Greater Mesopotamia IDS Hinuq hinu1240 hnk Nakh-Daghestanian Greater Mesopotamia IDS Hunzib hunz1247 hzb Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS | | | | | | | | | |
| Godoberi ghod1238 god Nakh-Daghestanian Greater Mesopotamia IDS Hinuq hinu1240 hnk Nakh-Daghestanian Greater Mesopotamia IDS Hunzib hunz1247 hzb Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS | | | | | | | | | |
| Hinuq hinu1240 hnk Nakh-Daghestanian Greater Mesopotamia IDS Hunzib hunz1247 hzb Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS | | | | | | | | | |
| Hunzib hunz1247 hzb Nakh-Daghestanian Greater Mesopotamia IDS Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS | | | | | | | | | |
| Ingush ingu1240 ing Nakh-Daghestanian Greater Mesopotamia IDS | | | | | | | | | |
| | | | | | | | | | |
| Karata kara14/4 krt Nakn-Dagnestanian Greater Mesopotamia IDS | | | | | | | | | |
| | Aarata | Kara1474 | Krt | naкn-Daghestanian | Greater Mesopotamia | IDS | | | |

| Khwarshi | inxo1238 | khv | Nakh-Daghestanian | Greater Mesopotamia | IDS | | | |
|---|--|--|---|---|---|---|--|---|
| Kryz | kryt1240 | krz | Nakh-Daghestanian | Greater Mesopotamia | IDS | | | |
| Lak | lakk1252 | | | Greater Mesopotamia | | | | |
| | | lak | Nakh-Daghestanian | | IDS | | | |
| Rutul | rutu1240 | rut | Nakh-Daghestanian | Greater Mesopotamia | IDS | | | |
| Tabasaran | sout2752 | tbs | Nakh-Daghestanian | Greater Mesopotamia | IDS | | | |
| Tindi | tind1238 | tnd | Nakh-Daghestanian | Greater Mesopotamia | IDS | | | |
| Tsakhur | tsak1249 | tsa | Nakh-Daghestanian | Greater Mesopotamia | IDS | | | |
| Tsez | dido1241 | tsz | Nakh-Daghestanian | Greater Mesopotamia | IDS | | | |
| Udi | udii1243 | udi | Nakh-Daghestanian | Greater Mesopotamia | IDS | | | |
| Avar | avar1256 | ava | Nakh-Daghestanian | Greater Mesopotamia | IDS | Non-Initial | WALS | |
| Chechen | chec 1245 | chc | Nakh-Daghestanian | Greater Mesopotamia | IDS | Non-Initial | WALS | |
| Khinalug | khin1240 | khi | Nakh-Daghestanian | Greater Mesopotamia | IDS | Non-Initial | WALS | |
| Lezgian | lezg1247 | lez | Nakh-Daghestanian | Greater Mesopotamia | IDS | Non-Initial | WALS | |
| Tsova-Tush | bats1242 | ttu | Nakh-Daghestanian | Greater Mesopotamia | IDS | Non-Initial | WALS | |
| Bezhta | bezh1248 | bez | Nakh-Daghestanian | Greater Mesopotamia | WOLD | | | |
| Archi | arch1244 | arc | Nakh-Daghestanian | Greater Mesopotamia | WOLD | Non-Initial | WALS | |
| Uncunwee | ghul1238 | nbh | Nubian | African Savannah | IDS | TTOII IIIIUIGI | WILLS | |
| Kaingng | kain1272 | kng | Nuclear-Macro-Je | SE South America | IDS | Mixed | S&R | (da Silva, 2011, 163-171)(Wiesemann, 1972, 156) |
| Chatino | zaca1242 | | Otomanguean | Mesoamerica | IDS | Initial | WALS | (da 511va, 2011, 105-171)(wiesemann, 1372, 100) |
| | | cya | 0 | | | | | |
| Otomi | mezq1235 | otm | Otomanguean | Mesoamerica | WOLD | Initial | WALS | |
| Pez | paez1247 | pae | Pez | NE South America | IDS | | | |
| Gurindji | guri1247 | gji | Pama-Nyungan | N Australia | WOLD | T 1 | GA D | (1 4 1 4000 00)(1 4 1 4004 004) |
| Catuquina | pano1254 | | Panoan | NE South America | IDS | Initial | S&R | (de Aguiar, 1988, 38)(de Aguiar, 1994, 231) |
| Yaminahua | yami1256 | yam | Panoan | NE South America | IDS | Initial | S&R | (Faust and Loos, 2002, 32) |
| Chcobo | chac1251 | cbo | Panoan | NE South America | IDS | Initial | WALS | |
| Shipibo-Conibo | ship1254 | shk | Panoan | NE South America | IDS | Non-Initial | WALS | |
| Yagua | yagu1244 | yag | Peba-Yagua | NE South America | IDS | Initial | WALS | |
| Gnna Kne | puel1244 | gku | Puelche | SE South America | IDS | | | |
| Puinave | puin1248 | pui | Puinave | NE South America | IDS | Initial | S&R | (Higuita, 2008, 209) |
| Yaruro | pume1238 | yrr | Pum | NE South America | IDS | | | |
| Imbabura Quechua | imba1240 | qim | Quechuan | Andean | WOLD | Initial | WALS | |
| Kanuri | cent2050 | knr | Saharan | African Savannah | WOLD | Initial | WALS | |
| Seri | seri1257 | ser | Seri | Mesoamerica | IDS | Non-Initial | WALS | |
| Tibetan | tibe1272 | jad | Sino-Tibetan | Inner Asia | IDS | | | |
| Manange | mana1288 | nmm | Sino-Tibetan | Indic | WOLD | | | |
| Mandarin Chinese | mand1415 | kug | Sino-Tibetan | Southeast Asia | WOLD | | | |
| Araona | arao1248 | ana | Tacanan | NE South America | IDS | | | |
| Cavinea | cavi1250 | cav | Tacanan | NE South America | IDS | Initial | S&R | (Guillaume, 2008b, 102)(Guillaume, 2008a, 599) |
| Ese Ejja | esee1248 | ese | Tacanan | NE South America | IDS | Initial | WALS | (Gamadine, 2000), 102)(Gamadine, 2000a, 000) |
| Tacana | taca1256 | tac | Tacanan | NE South America | IDS | Initial | WALS | |
| Dehong | tain1252 | tac | Tai-Kadai | Southeast Asia | IDS | IIIItiai | WALD | |
| Ecun Buyang | lang1316 | | Tai-Kadai Tai-Kadai | Southeast Asia | IDS | | | |
| | | 1: | | | | | | |
| Hlai | hlai1239 | lic | Tai-Kadai | Southeast Asia | IDS | | | |
| Khamuang | nort2740 | 11.1 | Tai-Kadai | Southeast Asia | IDS | | | |
| Lakkia | lakk1238 | lkk | Tai-Kadai | Southeast Asia | IDS | | | |
| Langja Buyang | emab1235 | | Tai-Kadai | Southeast Asia | IDS | | | |
| Nung-Lazhai | guib1244 | | Tai-Kadai | Southeast Asia | | | | |
| Qau Kelao | | | | | IDS | | | |
| | qaua1234 | | Tai-Kadai | Southeast Asia | IDS | | | |
| Sanchong Kelao | qaua1234 gree1278 | | Tai-Kadai Tai-Kadai | Southeast Asia Southeast Asia | IDS IDS | | | |
| Shan | qaua1234 gree1278 shan1277 | sha | Tai-Kadai Tai-Kadai Tai-Kadai | Southeast Asia Southeast Asia Southeast Asia | IDS IDS IDS | | | |
| Shan Southern Tai | qaua1234 gree1278 shan1277 sout2746 | sha | Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai | Southeast Asia Southeast Asia Southeast Asia Southeast Asia | IDS IDS IDS IDS | | | |
| Shan Southern Tai Sui | qaua1234 gree1278 shan1277 sout2746 suii1243 | sha sui | Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai | Southeast Asia Southeast Asia Southeast Asia Southeast Asia Southeast Asia | IDS IDS IDS IDS IDS | | | |
| Shan Southern Tai | qaua1234 gree1278 shan1277 sout2746 | | Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai | Southeast Asia Southeast Asia Southeast Asia Southeast Asia | IDS IDS IDS IDS | | | |
| Shan Southern Tai Sui | qaua1234 gree1278 shan1277 sout2746 suii1243 | | Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai | Southeast Asia Southeast Asia Southeast Asia Southeast Asia Southeast Asia | IDS IDS IDS IDS IDS | | | |
| Shan Southern Tai Sui Thai | qaua1234 gree1278 shan1277 sout2746 suii1243 sout2745 | | Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai | Southeast Asia Southeast Asia Southeast Asia Southeast Asia Southeast Asia Southeast Asia | IDS IDS IDS IDS IDS IDS IDS | Non-Initial | S&R | (Lu, 2008, 178) |
| Shan Southern Tai Sui Thai Zhuang-Longzhou | qaua1234 gree1278 shan1277 sout2746 suii1243 sout2745 zuoj1238 | | Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai | Southeast Asia Southeast Asia Southeast Asia Southeast Asia Southeast Asia Southeast Asia Southeast Asia | IDS | Non-Initial Non-Initial | S&R S&R | (Lu, 2008, 178) (Hartmann, 1984, 48) |
| Shan Southern Tai Sui Thai Zhuang-Longzhou Maonan | qaua1234 gree1278 shan1277 sout2746 suii1243 sout2745 zuoj1238 maon1241 | sui | Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai | Southeast Asia Southeast Asia Southeast Asia Southeast Asia Southeast Asia Southeast Asia Southeast Asia Southeast Asia | IDS | | | |
| Shan Southern Tai Sui Thai Zhuang-Longzhou Maonan Tai L | qaua1234 gree1278 shan1277 sout2746 suii1243 sout2745 zuoj1238 maon1241 luuu1242 | sui lu | Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai | Southeast Asia Southeast Asia Southeast Asia Southeast Asia Southeast Asia Southeast Asia Southeast Asia Southeast Asia | IDS | Non-Initial | S&R | |
| Shan Southern Tai Sui Thai Zhuang-Longzhou Maonan Tai L Nung-Ninbei Tai Khn | qaua1234 gree1278 shan1277 sout2746 sui1243 sout2745 zuoj1238 maon1241 luuu1242 nuung1283 khun1259 | sui lu nun khn | Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai | Southeast Asia | IDS | Non-Initial Non-Initial | S&R WALS WALS | |
| Shan Southern Tai Sui Thai Zhuang-Longzhou Maonan Tai L Nung-Ninbei Tai Khn Thai | qaua1234 gree1278 shan1277 sout2746 suii1243 sout2745 zuoj1238 maon1241 luuu1242 nung1283 khun1259 thai1261 | sui lu nun khn tha | Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai | Southeast Asia Southeast Asia | IDS | Non-Initial Non-Initial Non-Initial Non-Initial | S&R WALS WALS WALS | |
| Shan Southern Tai Sui Thai Zhuang-Longzhou Maonan Tai L Nung-Ninbei Tai Khn Thai Thai Trumai | qaua1234 gree1278 shan1277 sout2746 suii1243 sout2745 zuoj1238 maon1241 luuu1242 nung1283 khun1259 thai1261 trum1247 | sui lu nun khn tha tru | Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai Tai-Kadai | Southeast Asia | IDS | Non-Initial Non-Initial Non-Initial Non-Initial Initial | S&R WALS WALS WALS WALS | |
| Shan Southern Tai Sui Thai Zhuang-Longzhou Maonan Tai L Nung-Ninbei Tai Khn Thai Trumai Trumai | qaua1234 gree1278 shan1277 sout2746 suii1243 sout2745 zuoj1238 maon1241 luuu1242 nung1283 khun1259 thai1261 trum1247 nucl1649 | lu nun khn tha tru tsi | Tai-Kadai | Southeast Asia Ne South America Alaska-Oregon | IDS | Non-Initial Non-Initial Non-Initial Non-Initial Initial Non-Initial | S&R WALS WALS WALS WALS WALS | (Hartmann, 1984, 48) |
| Shan Southern Tai Sui Thai Zhuang-Longzhou Maonan Tai L Nung-Ninbei Tai Khn Thai Trumai Tsimshian Siona | qaua1234 gree1278 shan1277 sout2746 suii1243 sout2745 zuoj1238 maon1241 luuu1242 nung1283 khun1259 thai1261 trum1247 nucl1649 sion1247 | lu nun khn tha tru tsi sin | Tai-Kadai Trumai Tsimshian Tucanoan | Southeast Asia Noutheast Asia | IDS | Non-Initial Non-Initial Non-Initial Non-Initial Initial Non-Initial Initial | S&R WALS WALS WALS WALS WALS S&R | (Hartmann, 1984, 48) (Wheeler, 2000, 192) |
| Shan Southern Tai Sui Thai Zhuang-Longzhou Maonan Tai L Nung-Ninbei Tai Khn Thai Trumai Trumai Tsimshian Siona Tuyuca | qaua1234 gree1278 shan1277 sout2746 suii1243 sout2745 zuoj1238 maon1241 luuu1242 nung1283 khun1259 thai1261 trum1247 nucl1649 sion1247 tuyu1244 | lu nun khn tha tru tsi | Tai-Kadai Trumai Tsimshian Tucanoan | Southeast Asia NE South America Alaska-Oregon Andean NE South America | IDS | Non-Initial Non-Initial Non-Initial Non-Initial Initial Non-Initial | S&R WALS WALS WALS WALS WALS | (Hartmann, 1984, 48) |
| Shan Southern Tai Sui Thai Zhuang-Longzhou Maonan Tai L Nung-Ninbei Tai Khn Thai Trumai Tsimshian Siona | qaua1234 gree1278 shan1277 sout2746 suii1243 sout2745 zuoj1238 maon1241 luuu1242 nung1283 khun1259 thai1261 trum1247 nucl1649 sion1247 | lu nun khn tha tru tsi sin | Tai-Kadai Trumai Tsimshian Tucanoan | Southeast Asia Noutheast Asia | IDS | Non-Initial Non-Initial Non-Initial Non-Initial Initial Non-Initial Initial | S&R WALS WALS WALS WALS WALS S&R | (Hartmann, 1984, 48) (Wheeler, 2000, 192) |

| Chiriguano | east2555 | crg | Tupian | SE South America | IDS | | | |
|----------------|----------|--------------|-------------|---------------------|------|-------------|------|---|
| Sirion | siri1273 | srn | Tupian | NE South America | IDS | Initial | WALS | |
| Wayampi | waya1270 | way | Tupian | NE South America | IDS | Initial | WALS | |
| Guaran | para1311 | gua | Tupian | SE South America | IDS | Non-Initial | WALS | |
| Kumyk | kumy1244 | kuq | Turkic | Greater Mesopotamia | IDS | | | |
| Nogai | noga1249 | nog | Turkic | Inner Asia | IDS | | | |
| Azerbaijani | nort2697 | aze | Turkic | Greater Mesopotamia | IDS | Non-Initial | WALS | |
| Sakha | yaku1245 | ykt | Turkic | Inner Asia | WOLD | Non-Initial | S&R | (Petrova, 2011, 169) |
| Erzya Mordvin | erzy1239 | moe | Uralic | Inner Asia | IDS | | | |
| Komi | komi1268 | kzy | Uralic | Inner Asia | IDS | | | |
| Mari | east2328 | mme | Uralic | Inner Asia | IDS | | | |
| Nenets | nene1249 | nen | Uralic | Inner Asia | IDS | | | |
| Udmurt | udmu1245 | udm | Uralic | Inner Asia | IDS | | | |
| Northern Saami | nort2671 | sno | Uralic | Inner Asia | IDS | Initial | S&R | (Wilbur, 2014, 244) |
| Hungarian | hung1274 | hun | Uralic | Europe | IDS | Non-Initial | WALS | |
| Estonian | esto1258 | est | Uralic | Inner Asia | IDS | Initial | WALS | |
| Finnish | finn1318 | fin | Uralic | Inner Asia | IDS | Initial | WALS | |
| Khanty | khan1273 | kty | Uralic | Inner Asia | IDS | Non-Initial | WALS | |
| Mansi | mans1258 | mns | Uralic | Inner Asia | IDS | Non-Initial | WALS | |
| Selkup | selk1253 | $_{\rm skp}$ | Uralic | Inner Asia | IDS | Non-Initial | WALS | |
| Kildin Saami | kild1236 | ski | Uralic | Inner Asia | WOLD | | | |
| Chipaya | chip1262 | сру | Uru-Chipaya | Andean | IDS | Initial | S&R | (Cerrn-Palomino, 2009, 65)(Cerrn-Palomino, 2006, 243) |
| Nahuatl | high1278 | nsz | Uto-Aztecan | Mesoamerica | IDS | | | |
| Yaqui | yaqu1251 | yaq | Uto-Aztecan | Mesoamerica | WOLD | Non-Initial | WALS | |
| Nuu-chah-nulth | nuuc1236 | nuu | Wakashan | Alaska-Oregon | IDS | | | |
| Waorani | waor1240 | wao | Waorani | NE South America | IDS | | | |
| Yagn | yama1264 | yah | Ymana | SE South America | IDS | Non-Initial | S&R | (Adam, 1885, 49) |
| Yanommi | yano1262 | ynm | Yanomam | NE South America | IDS | Initial | S&R | (Emiri, 1981, 73)(Lizot, 1996, 119) |
| Ninam | nina1238 | shi | Yanomam | NE South America | IDS | Initial | WALS | |
| Ket | kett1243 | ket | Yeniseian | Inner Asia | WOLD | Non-Initial | WALS | |
| Yuwana | yuwa1244 | | Yuwana | NE South America | IDS | | | |
| Ayoreo | ayor1240 | ayr | Zamucoan | SE South America | IDS | Non-Initial | S&R | (Bertinetto, 2014a, 393-395)(Bertinetto, 2014b, 12-Nov) |
| Zuni | zuni1245 | zun | Zuni | Basin and Plains | IDS | Initial | WALS | |

References

Adam, L. (1885). Gammaire de la Langue Jagane. Maisonneuve Freres Ch. Leclerc.

Axel, K. (2007). Studies on Old High German syntax: left sentence periphery, verb placement and verb-second, volume 112. John Benjamins Publishing.

Barnes, J. and Malone, T. (2000). El tuyuca. In Gonzlez de Prez, M. S. and Rodrguez de Montes, M. L., editors, Lenguas indgenas de Colombia: una visin descriptiva, pages 437–452. Instituto Caro y Cuervo, Santaf de Bogot.

Bertinetto, P. M. (2014a). Ayoreo. In Muysken, P. and Crevels, M., editors, Oriente, volume 3 of Lenguas de Bolivia, pages 369-413. Plural Editores, La Paz.

Bertinetto, P. M. (2014b). Ayoreo. In Muysken, P. and Crevels, M., editors, Oriente, volume 3 of Lenguas de Bolivia, pages 369-413. Plural Editores, La Paz.

BYRNE JR, F. (1985). VERB SERIALIZATION AND PREDICATE COMPLEMENTATION IN SARAMACCAN. The University of Arizona.

Cerrn-Palomino, R. (2006). El Chipaya o Lengua de los Hombres del Aqua. Fondo Editorial, Pontificia Universidad Catlica del Per, Lima, 1 edition.

Cerrn-Palomino, R. (2009). Chipaya. In Crevels, M. and Muysken, P., editors, Ambito Andino, volume 1 of Lenguas de Bolivia, pages 29–78. Plural Editores, La Paz.

Crevels, M. (2012). Itonama. In Crevels, M. and Muysken, P., editors, Ambito Andino, volume 2 of Lenguas de Bolivia, pages 233–294. Plural Editores, La Paz.

da Silva, M. S. R. (2011). A lngua Kaingng da aldeia paulista Icatu: uma descrio funcional. PhD thesis, Universidade Estadual Paulista/So Jos do Rio Preto.

de Aguiar, M. S. (1988). Elementos de descrio sintica para uma gramtica do katukina. Master's thesis, Universidade Estadual de Campinas, Campinas.

de Aguiar, M. S. (1994). Anlise descritiva e terica do Katukina-Pano. PhD thesis, Universidade Estadual de Campinas, Campinas.

Dryer, M. S. (2013). Position of Interrogative Phrases in Content Questions. Max Planck Institute for Evolutionary Anthropology, Leipzig.

Emiri, L. (1981). Gramtica pedaggica da Ingua Ynomam. Misso Catrimni, Boa Vista.

Faust, N. and Loos, E. E. (2002). GRAM'ATICA DEL IDIOMA YAMINAHUA. SERIE LINGÜÍSTICA PERUANA No. 51. INSTITUTO LINGÜÍSTICO DE VERANO.

Fernndez Garay, A. (1998). El tehuelche: una lengua en vas de extincin, volume 15 of Estudios Filolgicos. Facultad de Filosofa y Humanidades, Universidad Austral de Chile, Valdivia.

Feu, V. D. (1996). Rapanui. Descriptive Grammars Series. Routledge, London New York.

Guillaume, A. (2008a). A grammar of Cavineña, volume 44. Walter de Gruyter.

Guillaume, A. (2008b). A grammar of Cavinea, volume 44 of Mouton Grammar Library. Mouton de Gruyter, Berlin.

Hartmann, J. F. (1984). Linguistic and memory structures of Tai-Lue oral narratives, volume 90 of Pacific linguistics: Series B. Dept. of Linguistics, Research School of Pacific Studies, Australian National University, Canberra. Bibliography: p. 212-230.

Higuita, J. M. G. (2008). Una gramatica del Wansjt (Puinave). PhD thesis, University of Amsterdam, Utrecht.

Hudson, D. F. (1965). Bengali. Teach Yourself Books. St.Paul's House, London.

Lizot, J. (1996). Introduccin a la lengua yanomami: Morfologa. Vicariato Apostlico de Puerto Ayacucho/UNICEF, Caracas.

Lu, T. Q. (2008). A Grammar of Maonan. Universal, Boca Raton.

- Mortensen, C. A. (1999). A Reference Grammar of Northern Embera Languages, volume 7 of Studies in the Languages of Colombia. SIL International and University of Texas at Arlington, Dallas: SIL. Also SILPL 134.
- Mosonyi, E. E., Mosonyi, J. C., and gueda Largo (2000). Yavitero. In Mosonyi, E. E. and Mosonyi, J. C., editors, Manual de Lenguas Indgenas de Venezuela, volume 2 of Serie Origenes, pages 594–691. Fundacin Bigott, Caracas.
- Mosonyi, J. C. (1987). El idioma yavitero: ensayo de gramtica y diccionario. PhD thesis, Caracas: Universidad Central de Venezuela.
- Ostler, N. (1994). Syntactic typology of muisca a sketch. In Cole, P., Hermon, G., and Martin, M. D., editors, Language in the Andes, Latin American Studies, pages 205–230. University of Delaware, Newark.
- Payne, T. E. and Payne, D. L. (2013). A Typological Grammar of Panare: A Cariban Language of Venezuela. Brill's Studies in the Indigenous Languages of the Americas. Brill, Leiden.
- Petrova, N. (2011). lexical and clause-linkage properties of the converbal constructions in sakha (yakut). Doctoral thesis, the University at Buffalo, State University of New York.
- Rose, F. (2014). Mojeo trinitario. In Muysken, P. and Crevels, M., editors, Oriente, volume 3 of Lenguas de Bolivia, pages 59–97. Plural Editores, La Paz.
- Stewart, S. (1980). Gramtica Kekch. Editorial Academica Centro Americana, Guatemala.
- Weber, R. L. (2007). The verbal morphology of Rapa Nui, the Polynesian language of Easter Island, and its function in narrative discourse. PhD thesis, UMI Ann Arbor.
- Wheeler, A. (2000). La lengua siona. In Gonzlez de Prez, M. S. and Rodrguez de Montes, M. L., editors, Lenguas indgenas de Colombia: una visin descriptiva, pages 181–198. Instituto Caro y Cuervo, Santaf de Bogot.
- Wiesemann, U. (1972). Die Phonologische und Grammatische Struktur der Kaingang-Sprache. Mouton: The Hague.
- Wilbur, J. (2014). A grammar of Pite Saami. Language Science Press.
- Zucker, S. (1994). Yiddish: An Introduction to the Language, volume 1.