

## POSSIBLE DENE-CAUCASIAN COGNATES.

The present paper includes presumable Dene-Caucasian lexical cognates. It contains quoted comparisons quoted in Nikolaev 1989 and many recent comparisons.

S.A. Starostin's preliminary Proto-Sino-Caucasian (PSC) reconstruction contains a complicated variant of the Proto-North-Caucasian (PNC) sound system, noted for its baffling complexity. The sound systems of Proto-Basque, Proto-Burushaski and Proto-Yenissean are supposed to be hardly simplified during their history, they are just attached to the presumably related PNC forms and contain scarce information about the PSC phonology.

For the time being there exists but a preliminary Proto-Sino-Tibetan (PST) reconstruction that generally fits within the PNC framework at the same time being much less complex. The Sino-Caucasian sound correspondences established require introducing some surplus PSC phonemes, i. e. demand a further complication of the sound system still containing all of the numerous PNC phonemes.

As for the Proto-Na-Dene sound system, it is the most similar to the Proto-North-Caucasian one. Nevertheless, an immediate comparison between Na-Dene and Caucasian still keeps multiplying rows of Sino-Caucasian sound correspondences without their reasonable interpretation, therefore most of the below comparisons contain just similarly sounding roots possible to be true cognates. Perhaps an accurate PST reconstruction will be in use as the *tertium comparationis* for a correct PSC reconstruction.

Overwhelming majority of the below correspondences include PNC forms, because a lexical set without a North Caucasian member turns out almost fully unconvincing for the reasons stated above.

Na-Dene	North Caucasian	Basque	Yenissean	Burushaski	Sino-Tibetan
*šwā, *ʔāšw 'I, me' 758	*zō 'I' 2283		*ʔaʒ 'I' 42	*ʒa 'I' 49	
*ñi 'thou' 586					*nā- 'thou, you' 520
Tl wa-ʔé 'thou'	*uō 'thou' 2285		*ʔaw (/ *ʔu) 'thou' 40	*u-n 'thou' 103	
EA *χ <sup>w</sup> i 'you, ye, 2. pl. personal pronoun'	*ɛwV̄ 'thou (obl. base)' 2286	*hi thou (familiar) 106	*kV- / *ʔVk- (~ g-, g-) 'your (attr.);	*gu- / *go- 'thou, thine (obl.)' 295	*K <sup>w</sup> a- 'thou, you' 2454

1051			morpheme of the 2d person' 422		
*c'i 'first' 894	*cHǎ 'one' 2314		*χu-sa 'one' 815	*he- 'one' 73	*ʔit (~γ-) 'one' 1993
EA *naʔ- 'two' 35	*nǎwši 'two' 2316		*xi-na 'two' 596		*nij (k-, -s, -ks) 'two' 580
*di 'two' 216	*tqHwā 'two' 2315	*bi 'two' 112	*xi-na 'two' 767	*-ku-m 'pair' 392	*KV 'two' 2760
*dAx'wE-nE 'four' 178	*hēmqi 'four' 2319				
*Ga 'twenty, ten' 1156	*Gǎ 'twenty' 2326	*hogeī 'twenty' 298	*ʔeʔk (~x-) 'twenty' 50		
*š'wi, *š'i 'interogative stem' 143	*ši 'an interrogative pronoun' 2296				
*da 'interrogative stem' 1206	*ʔādV 'interrogative pronoun' 2297				*tū- 'who, interrogative pronoun' 896
*wə 'interrogative stem, who' 860			*wi- / *we- 'interrogative pronoun' 753		
EA *χα 'interrogative stem'	*xV 'interrogative pronoun (who, what) 2294		*ʔaj (~ x-) interrogative particle 950		*qhā- what, interrogative pronoun 2561
*ha 'demonstrative stem' 325	*ʔǎ 'that (demonstrative pronoun)' 2303	*ha, *ha-u(r) 'this' 105			*ʔa 'demonstrative pronoun' 2755
*tE 'demonstrative stem'	*tV 'that (demonstrative pronoun)' 2302				
*wi 'demonstrative stem' 865	*ʔu (~ *hu) 'demonstrative	*hori 'that (mesial)' 102, *hura 'that			

	pronoun (that)' 2310	(distal)' 104			
EA *di 'negative stem' 188	*dV 'a negative particle' 2270		*ʔat / *ta- 'negative particle' 37		*tā (~ d-) 'prohibitive particle' 863
*hi 'negative stem' 336	*fiwV 'not (negative particle)' 2274			*a- 'not' 71	*Ha 'negative particle' 2740
*q'E 'negative particle' 628	*-k- 'negative / prohibitive' 2268				
*k'wV 'diminutive suffix' 384	*k̄A a 'suffix(diminutive or singulative)' 2277				
*čEq'E 'nail, hoof' 104	*čV[l]kwV 'hoof, foot' 485			*-sóγun 'hip, thigh bone' 516	*ćok / *ćoŋ 'foot' 2720
*dEx'wE 'outer side of foot up to the anklebone, calf' 207	*tHǎlq̄wV / *q̄HwǎltV 'part of leg' 1028	*tak- 'heel (of shoe)' 502			*dēk 'hoof; kick' 896
EA *Ginʔa 'arm; foreleg' 250	*nHīwGĀ / *GHwīnĀ 'arm, shoulder; armpit' 629		*ke(?)n- 'shoulder joint' 380		OC 肩 *kēn 'shoulder'
*Gi 'forearm, foreleg' 262	*q̄lʔi 'elbow; arm, wing' 51			*galgí 'wing; fin' 209	
EA *G'wint'E 'knee' 276	*q̄HwəntV 'knee; elbow' 232	*ukondo 'elbow' 293	*g[i](?)d 'elbow, joint; to bend' 328		*kūt 'bone, bone of hand' 2248
EA *la(?)la 'hand, upper leg' 429	*l̄ōrē (/ *rōl̄ē) 'hand, hand-bone' 14				
*l'wəne 'bone' 475	*Hčwējmǎ (~ -ǎ) 'leg bone' 999			*-śáj 'limbs, body parts' 184	
*qi 'foot' 620	*GēbV (~ *k-, -w-)		*qoʔp (~χ-, -ʔ-) 'part		

	‘foot’ 792		of leg’ 549		
EA *šik'E ‘body excluding extremities, torso, chest, belly’ 704	*čōrχV ‘body’ 958	*šoř-bařda > sor-balda ‘shoulder’ 256			
*xEde ‘breast, chest’ 934	*qVdV (~χ:-) ‘brisket’ 2110				
*χ <sup>w</sup> E3 <sup>wa</sup> ‘shoulder, upper arm’ 1002	*qārčwV̄ ‘shoulder, arm’ 970				
*χ'i ‘foot, track’ 1021	*q̄HwVIV (~-l-) ‘heel; ankle’ 1029		*χ(? )IV[č]iG ‘hoof’ 807		
EA *q'(w)aša ‘boned carcass, bones with meat’ 1038	*kHwanšV (~-ě-, -ō-, -ś-) ‘foot, leg’ 486				
*χ <sup>w</sup> āš'V ‘foot, hand, forepaw’ 1044	*kwānVčě ‘paw; knee’ 722 (and *kwāšV ‘paw’ 1018)	*hac ‘finger(nail), toe(nail), thumb, paw, hoof’ 14	*ki?s (~g-) ‘foot, leg’ 396		
*χ <sup>w</sup> Es'E ‘leg, knuckle’ 1062	*gwī3V̄ ‘part of leg’ 1017		*ka(? )ssad (~ā) ‘foot sole’ 374		
*χa3 <sup>w</sup> V ‘finger-, toenails, claws’ 979	*kHwanšV (~-ě-, -ō-, -ś-) ‘foot, leg’ 486		*ki?s (~g-) ‘foot, leg’ 396		
*χ <sup>w</sup> āx'E ‘carcass of small game, fish bones, gills’ 1040	*qām̄q(w)ǎ (~-ǎ) ‘knee, leg-bone’ 58	*kunkuř ‘hump, knob; joint (of bones)’			*k <sup>w</sup> ā(H) ‘leg, thigh’ 2256
*Ginq'žə ‘scab, gristle’ 627	*qām[s]V ‘cartilage, gristle’ 985				
EA *χaja ‘stump of	*qāhwV (~q̄-) ‘k.				

tree, roots' 973	of tuber' 1341				
EA *χ <sup>w</sup> Ela 'collarbone, breastbone' 1054	*Hl[a]λV̄ 'breast; back' 962				-l̄zi 'behind, (on the) back' 434
E -gunə-GəG 'hip' [gunə- not identified] 1159	*GHāGV (~ G) 'thigh, haunch' 2042				
PA *Gad 'roots (of tree)' 1177	*gōrV (~ -ī-) 'pole, piece of log' 1404	*eguī 'firewood' 283			
PA *ka:nq' 'rib(s), flank' 1179	*kā[l]kV 'joint, knee, shin' 267				*kāŋ / *kāk (r-) 'leg, foot' 2150
E Geʔt' '(whole) body, torso' 1191	*Gwāf̄ 'bush, tree; stalk' 495				
*gEmši 'thumb' 305	*kās̄i (~-ə,-a) 'finger' 1012				
*k <sup>w</sup> EīE 'backside (of hand, arm)' 362	*kwīlʔi 'hand, elbow' 268	*ahuī 'palm (of the hand)' 270			*kh <sup>w</sup> ēr (~ gh <sup>w</sup> -) 'fist, hollow of hand with fingers bent' 2362
*g <sup>w</sup> Enʒi 'gristle' 307	*qām[s̄]V 'cartilage, gristle' 985				
*dEmʒwi ~ -wʒw- 'skin, fur' 209	*ʔwārčwǎ 'skin; colour' 207	*asal 'bark, skin' 3	*ʔese (~x-, -ē-) '(fish) scales' 64		
*liwnV 'outer bark' 450 (and EA *lañE' bark (tree), strong rawhide' 427)	*l̄ēʔwni (~-ʔ-) 'skin (of an animal)' 206		*dōñ- 'bast, willow bark' 289		Tib. lwa-ba 'skin of wild animal'
EA *λ'anGE, *c'AnGE 'bark, hide' 473	*zānkwV̄ 'skin' 451		*tuŋ (~ -ū-) 'skin for making belts' 735		*CVk 'skin, bark' 2689

EA *qaLa ‘skin, bark’ 600	*GōLV ‘skin, wineskin; sheath’ 352			*γVI ‘scurfs (in hair)’ 384	
*sʷəs'E ‘fish skin’ 687	*λwājčā (~ -ā) ‘skin, bark’ 415		*sās ‘fur from reindeer's legs’ 611	*-súsur ‘skin on fingernails; gums of teeth’ 502	
*χins'ə ‘curving, wart’ 885	*cVnVkě (~*ɜ-, -ī) ‘wart’ 834				
*t'awa ‘feather’ 823	*tʃāmV ‘wing’ 592				
*xʷEš'i ‘fuzzy’ 944	*GwēzV ‘long hair, mane’ 627				
*čʷiwžE ‘hair, fur, tinder’ 160	*čōlči (~-e) ‘fringe, hair-lock’ 814				
*χəwa ‘hair’ 1006	*kīwrV ‘hair’ 338				*rā (*k-rā) ‘hair’ 630
*λwəli ‘head’ 523	*wēnλV(IV) ‘beak; horn; head’ 52				*lūH ‘head’ 1828
*šawa ‘head, horn’ 695	*bīnšwV ‘pipe; horn’ 751				
*qʷā ‘head; person’ 635				*goʔ ‘brain, marrow’ 333	*k(h)əwH ‘head’ 2570
*t'a ‘forehead, face, shiplap’ 779	*nHātV ‘forehead, face’ 927				
*da ‘forehead’, EA ‘face’ 779	*dānʔī (~-ū) ‘cheek; gum’ 940 (and *ʔēndū ‘forehead’ 779)				*tāŋ(H) (~d-) ‘palm of hand; buttock’ 884
*waGa ‘eye’ 848		*moko ‘beak, face’ 355			*mjǃk ‘eye’ 109
*lə ‘face’ 655	*ʔwīlʔi ‘eye’ 34	*begi / *ber- ‘eye’	*de-s ‘eye’ 279	*-l-čí, *il- ‘eye’ 29	

		30			
*s'āli ~ -ŋ- 'eyebrow' 890	*çīlV (~ç-, -l-) 'eyelash' (in comp.) 933				
E -l-Ga:š 'lower half of face, region around mouth' 1161	*kāmžě / *žēmķā 'beard' 1161				
*wəš'E 'cheek' 863	*wīse (~-a) 'southern slope; cheek' 937		*binč- 'chin, cheek' 219	*melç 'jaw' 296	
*l̥wa 'mouth (interior)' 485	*HλəlV (~-ō-) 'mouth; jaw' 157		*jil- (~x-, ?-) 'gills' 361		
*χ'aš'E 'jaw, gills' 1018	*χinčV 'cheek; jaw' 947				
*λāwt'E 'tongue' 456	*λānpV 'lip' 949		*ʔalVp (~-l̥-, -r̥l̥-, -b) 'tongue' 15	*λep 'tongue, lick' 1904	
E d-kuhd 'lip(s) (of human), chops (of e.g. dog)'	*k̥wēm̥tī (~ -ō) 'lip' 669				*khēm 'lip, mouth' 2294
*χ <sup>wi</sup> (lV) 'tooth' 1066		*hagin tooth (incisor) 7	*ʔaG (~x-) 'tooth (molar)' 3	*-hVwá-š molar tooth 543	*G <sup>wa</sup> (s-) 'tooth' 2084
*giʒV ~ ž <sup>w-</sup> , g <sup>w-</sup> 'be alert (of dog), bare teeth' 320	*gāmčwV 'canine tooth, fang' 225				
*gā[q']ə, -a 'trachea, (wind)pipe, throat' 300	*qāqari / *qāraqi 'throat' 986		*gə(ʔn)kəf 'Adam's apple, throat' 324		
*χāža 'nape, gills, fins' 983	*kwV̄sV (~ k'-, -s-) 'throat, back of the				

	head'				
EA *q <sup>w</sup> ic'E, -s- (< *-s'-) 'neck' 1042	*k <sup>w</sup> V̄sV (~ k'-, -s-): Ginukh k'es 'throat', Tsez k'es 'gullit', Chechen k'es (gen. k'e:saran) 'nape of the neck'				
*k <sup>w</sup> E <sub>na</sub> 'chest, belly' 405	*HōnχwV ~*HōnqwV, -ō- 'stomach' 978				
*dEχ <sup>w</sup> E 'thorax, back' 206	*dHāqwĀ 'back of head, neck' 741		*tuGV (~ -ū-) 'back, behind' 724		*tūk 'neck' 995
*šix <sup>w</sup> E 'side, lateral appendix' 712	*HišiwV (-fi) 'side' 71				
*q <sup>w</sup> əLV 'side, flank' 644	*Gw[ũ]lō (~-ō) 'side' 980		*χɔlab 'side, half' 806		
*dəlV 'hind part of the body' 214	*Hl[a]λV̄ 'breast; back' 962			*-lzi 'behind, (on the) back' 434	
*tEχ <sup>w</sup> a, *t'EG <sup>w</sup> a 'chest, heart' 834	*jērkwī 'heart' 55	*birik 'lung(s), haslets' 501	*tə(?)ga 'breast' 692	*dak 'hope, belief' 370	*ʔrəŋ / *ʔrək 'breast' 1998
*c'a 'umbilical cord' 665	*zōnʔū 'navel' 972			*-sú[m] 'umbilical cord' 185	
EA *sa-dE, -t'- 'liver' 671	*cwāj <sup>m</sup> ě 'gall' 1065	*beHa-sum(a) 'bile, gall' 181	*seŋ 'liver' 620	*-sán 'spleen' 136	*sīn (? *sīŋ) 'liver' 1512
*č'Ek <sup>w</sup> i 'intestines, interior part' 126	*kwīčĚ / *čīkwĚ 'spleen; intestine(s)' 734		*kič (~g-) 'meat' 397		



*č <sup>w</sup> Aχ <sup>w</sup> V ‘fish kidney; rennet’ 138	*q̣wiçV / *çiqwV (~ä-) ‘spleen; small intestine’ 994				
*g <sup>w</sup> iši ‘vagina’ 317	*k̥həlçV (~ -fi-, -ç-) ‘hole; vulva’ 1391			*-yúš ‘vulva’ 216	
PEA *gimVčV ‘genitals’ 638			*gV(?)ns- ‘testiculi; penis’ 342		
EA *q <sup>w</sup> inʔi ‘fish-eggs, roe’ 1041	*ḳunHV ‘kidney’ 888			*-ken ‘liver’ 56	*gǰV̄nH (~ G-) ‘kidney’ 2188
PA *Ga:l ‘gait, manner of walking’ 1451	*γαlʔV̄ ‘step; interval between legs’ 2176				
*diĕ ‘blood, pitch’ 221	*rǎǎi ‘meat, flesh’ 69		*fēli ‘blood water’		*rək ‘intestine’ 2692
*ci ‘blood’ 360	*čāŁwV ‘blood, life’ 420	*isār̄di ‘sweat, sap’ 212	*sur red, blood 662		*cāk (~č-) red (metal), gold 1131
*k <sup>w</sup> Aš'E ‘urine (for washing)’ 390	PAA *k <sup>w</sup> Vrš:V, Lak ḳuš:i- ‘urine’ 1066				
*λijñə ~ ł- ‘bloody meat, sappy wood’ 506	*λĒwnV (~ λ-, x-) ‘internal fat; blood’ 1445			*multán ‘blood’ 11	
*χi ‘oil, grease’ 1009	*χwīlʔi (~ -ł-, -ŋ-, -e) ‘fat (n.); meat’ 36	*fiaragi ‘meat’ 59		*halél ‘fat’ 404	?OC 油 *Łu ‘oil’
*GAχ'a ‘stout, fat’ 242	*hānhV ‘fat (adj.)’ 510				
*χi <sup>w</sup> E ‘pus, semen, viscous matter, foam’ 1011	*h[a]mzū ‘saliva, mucus; herpes’ 1059				

EA *ʎ'ic'E 'slime, goo, mud, nasal mucus' 465	*ʎāmVçV (~ *x-) 'saliva; pus' 1054				
*tix <sup>w</sup> E, *tiχ <sup>w</sup> E 'spit, saliva' 810			*du(?)K 'spittle, saliva' 308		*thok 'spit' 1054
*q <sup>w</sup> EG <sup>(w)</sup> ə ~ *q <sup>(w)</sup> EG <sup>wə</sup> 'cough' 639	*qǝŋV 'cough' 2024		*χa(?)χtVm 'cough' 784		*ghōk 'cough' 2048
*ʔ <sup>w</sup> alE 'lake' 54	*ħwiri 'lake, pond' 1676		*xur <sub>1</sub> 'water' 776	*hurV- 'wet; juice' 566	*ri(a)j 'water' 842
*hāna 'water (current), river' 334	*xǎnfī 'water' 112	*uhain 'wave (in water)' 334	*ʔā(?)ń (~x-) 'wave' 49	*hán-chil 'water from a wound; watery' 321	
*q <sup>w</sup> əsE, *G <sup>w</sup> əs'E 'cloud' 629	*ʔāmsa (~ -ə, -i) 'sky, cloud; soul, breath; god' 292		*ʔes 'God, sky' 62		
EA *q <sup>w</sup> inʔE 'fire' 641	*kwǎnfV (/ *fǎkwanV) 'light, torch' 1707		*gəʔn- 'light' 322	*gon 'dawn' 264	OC 光 *k <sup>w</sup> āŋ 'light'
*ši[lw]V 'flowing water' 664	*šVrV 'lake, river' 1678				*sor 'flow, pour' 1589
*s <sup>w</sup> i 'dusk, evening' 688	*šwĒrV 'evening' 530				*sōr 'sunrise / sunset' 1560
EA *šiχ <sup>w</sup> a 'frost, frost crystals' 707	*šaχ(w)V 'dew, hoar-frost' 1695				
*ta, *tawi 'water' 777			*ʔut- (~ x-) 'wet' 1049		*tujH 990 'water'
*t'iwč'ə 'charcoal; black' 838	*tVrçwē 'charcoal' 593				

EA *χaja ‘cold wind, winter’ 947	*=HǎχwV ‘to get cold, freeze’ 621				
*χ <sup>w</sup> ama ‘fire, burn’ 1017	*=īk <sup>w</sup> VmV ‘to burn, set on fire’ 422				
*k <sup>w</sup> Ela ‘spit out liquid, rain’ 410	WC *k <sup>w</sup> V ‘rain’ 747				
EA *q'eʔ ‘cool’	*=HiGĀ ‘to freeze, get cold, be benumbed’ 21		*qo (~χ-) ‘ice’ 545		*Kja(j)H ‘thick (of fluids), congealed’ 2402
*jAχza ‘snow’ 1073	*jǎmzĀ ‘snow’ 1073 (cf. *jansē ‘hoar-frost, snow’ 1700)	*ainc- ‘(hard) frost’ 195			
PA *ša: ‘luminary, sun, moon’ 1173	*śVIʔV (~ ś-, -t-, -fi-) ‘light, ray’ 1708			*halánc ‘moon’ 63	*lǎH (s-) ‘moon’ 1684
*žwə ‘day, sky’ 1145	*žǎwī ‘sky’ 134			*sa ‘sun, day’ 96	
*qā(ηa) ‘day, dawn’ 608	*Hwīq̄V ‘day’ 1713	*egu- ‘sun, day’ 99	*xiʔ-G, *xi-Ga ‘day’ 764		
*x <sup>w</sup> Ec'V, *χ <sup>w</sup> EzV ‘star’ 936	Hurr. kušuχ ‘moon’			*yuha (< *yušá?) ‘new moon, time without moon’ 265	
EA *ʔiwλ'ə ‘hill, mountain’ 34	WC *λV ‘mountain’ 736				
*ca[j]ə ‘stone, rock, mountain’ 358	*fiāmVçǎ ( ~ fi-, -z-) ‘stone’ 765	*fiaic ‘rock, stone’ 98			
EA *ławʔi ‘cold, freeze; ice, frost, hail, icicle, glacier’ 430	*jīwλV / *λīwV ‘snow’ 1699	*ełhuī ‘snow’ 333			
*ʔi cold, ‘chill; shiver with cold’ 469	*mhēlɣe ‘cold’ 20				

EA *qimE ~ -ŋ- ‘low ridge, unforested area’ 616	*qwiʔrV̄ / *rʔiqwV̄ ‘field, arable land’ 628			*-yári-kiš ‘a small plot of land for older people without children’ 560	*Qa ‘earth’ 2597
*šwāmə ‘summer, autumn’ 757	*cōjwīlhV ‘autumn, winter’ 1709	*asaro ‘autumn’ 500	*sir <sub>1</sub> - ‘summer’ 639		OC 秋 *čiw ‘autumn’
*wigšə ‘stone; stone knife’ 866	*mHōK(V)çV ‘flint’ 520				
*xwiʔi ‘blow, breathe; tangle, mess (blowing)’ 948	*λwəlʔV ‘wind, to blow’ 529	*luřün ‘steam, vapor; odor, smell’ 330	*juł- (~ ʔ-, x-) ‘whirlwind, wind’ 363		*lij ‘wind, breeze’ 1761
*qimiχšV ‘hole, sore’ 621	*q̄Hwaçi ‘hole, hollow’ 1019		*qīž- (~χ-) ‘to dig’ 544	*quš ‘armpit (of clothing)’ 213	
Tl =wat ‘mouth of river’ 1171	*wārte ‘top’ (esp. PNakh *b(ñ)art ‘mouth’) 1459				
*žəna, *žwəna ‘muddy water, menstrual blood’ 1146	*çĀwnV ‘dirt, dungwash; urine’ 1078		*siñ- ‘dirt’ 636		*[ch]iŋ ‘moist; soak’ 1238
PA *č'e:ʔd ‘dirt, scraps’ 1174	*čHartV (~ -ě-) ‘dirt’ 2002				
*s'anχ'ə ‘gush, have runny diarrhea’ 889	*čHīqwĀ (~ *č-, -G-) ‘dung, ordure, dirt’ 1062			*ćiki ‘musk (from the navel of a mountain goat)’ 150	
EA *wisE ‘clay riverbank, bog, muskeg, soft mud’ 855	*xwīmçwī (~-ě-, -ə) ‘dirt; bog’ 829	*i(n)hünc ‘dew’ 185			

*tEwt'E 'mud, shavings' 804	*tĕmtV 'dirt, dust' 365				
*šaxwA (~ ś-, -ə-) 'dust, mould' 714			*sū(?)[G]Vk 'rust' 665	*šiqá 'green, grass' 39	
*nEχ'a ~ m- 'gravel, marble' 559	*nĕqwi (~ -ā-, -V-) 'earth, dirt' 166			*nayé 'dung' 298	*ńrk 'sediment, dirt' 1479
EA *λižə, *Ližə 'clay (white, blue); swamp; slush, soft wet snow' 468	*lujzV 'clay' 1468				
*λis'wa 'trash, dirt' 514 (and EA *c'iλ(')i 'dirt, glue' 669)	*λwilĕwV 'dirt; slough, marsh' 828	*lisun 'musty, moldy; dirty, filthy'			
*Lăχ'wǝV 'soil, mud, clay' 498	*lōmVǝi (~ -ĕ) 'dirt, earth' 426				
*diwš'i ~ -mš'- 'mucus, soot' 227	*tĥVrĕwV 'dirt; bog' 830	*toška 'kaolin' 160			
*s'ā 'clay, alluvial silt' 887	*čHĕpī (/ -b-) 'slime, clay; to plaster' 892				
EA *gaχc'E 'dirty, sticky' 308 and EA *Gi?q'č'a 'dirt, soot, earwax' 253	*GoǝV 'green colour; dirt' 48				
*Gə, *GəGə 'animal, mammal' 235	*bHVrgĀ 'a beast of prey' 2032				OC *prāk
*k <sup>w</sup> Edi 'breed, animal's young' 402	*k <sup>w</sup> ārnV 'young (of an animal)' 1108				*kruŋ 'be born' 2232
EA *sə, *šə 'child, small, little' 660	*šwĕmhV 'young goat or sheep' 1101			*sum 'female (of animals, esp. goats)'	

				501	
*qEwlə ‘den’ 642	*kHwārV ‘den’ 1177		*g[a](?)r ‘cunnus’ 319		
PA *də-we:-, *də-wa:-, *ʔəs-wa:- ‘mountain sheep’ 1237	*wǎfiwV ‘sheep, lamb; young of animals’ 807			*biwá ‘cow’ 577	*wa ‘cattle’ 430
Tl s’ik ‘black bear’ 1193	*čānq̄V ‘lynx, panther’ 2062				*chi(ə)k ‘leopard’ 1230
*Gwǎžə ‘wolf’ 274	*gwǎžē ‘bitch, dog’ 589				
*kʷälE ‘to bark’	*Helq̄wǎ ‘to bark’ 1959				
*čwānā-si ‘fur-bearing animals (otter, wolverine, muskrat)’ 149	*čwěnʔV (~ -h-) ‘game, wild animal’ 1100				
EA *χVHAša ‘marten’ 1046	*χHVr[č̣]V ‘marten; otter’ 1168	*hařc ‘bear, badger’ 216	*χa(?)s (~k-) ‘badger’ 783		
*k’wǎžǐ, *k’wǎš’i, *k’wǎš’wi ‘mink, marten’ 381	*fiwVlǎžĚ ‘marten, weasel; hedgehog’ 1173				
*s’əłəkE, *cəłək’E ‘squirrel’ 893	*cārgwV ‘weasel, marten’ 1162	*śagu ‘mouse’ 176	*saʔqa ‘squirrel’ 599	*čargé ‘flying squirrel’ 181	*sreŋ(H) ‘k. of small animal (weasel, squirrel, mongoose)’ 1521
*Gaça ‘hare, rabbit’ 244	*Gwōrʔe ‘hare’ 1152				*qh̄wār (~*Gw-) ‘badger, ground-rat’ 2583
*čE[ʔ]a, -ə, *čEžE ‘mouse, vole’ 99	*jVcwĚ ‘mouse’ 1172		*jūta ‘mouse’ 366		*jū(s) (/ -n) ‘k. of small animal (hare, rabbit, rat)’

					1455
*qə, *qəqV, *q'əq'V 'waterfowl' 618	*q̄ərēq̄wV 'crane' 1203		*gu(?)riraK 'crane' 340	*qarūjo (/ *γ-) 'heron' 228	OC 鶴 *g(h)āk <sup>w</sup> 'crane'
*ca 'hawk' 355	*c̄wām?V̄ 'eagle' 658				LB *dzwan 'hawk, kite'
*Ga, *GaGa 'crow, raven' 243	*q̄HwāyV 'raven, crow, jackdaw' 118				
*g <sup>wi</sup> šx <sup>wi</sup> 'jay' 318	*wiqVšV / *wišVχV 'a bird or animal of prey' 1161				
Kiowa Apachee yāt 'crow' 1165	*GHwV̄IV 'jackdaw, crow' 1186		*kila 'crow' 406		
*ć'izg <sup>wE</sup> , *ć'ic'g <sup>wE</sup> 'small songbird (generic)' 67	*žāq̄wV 'k. of small bird' 8				*ček <sup>w</sup> 'sparrow, small bird' 1295
*šiχ <sup>wi</sup> 'robin' 713	*šakV / *šakV (~ *š-) 'k. of small bird' 492			*šuqūr 'sparrow' 276	OC *shiak 'magpie'
*χEnx'a 'frog' 987	*q̄wVrVq̄V̄ 'frog' 1204		*xə?r- 'frog' 763	*γórku- 'frog' 230	OC 蟾 *k <sup>w</sup> rāk 'frog'
*ča, *čaš'a 'salmon, trout' 95	*čHārV 'fish' 431				
*ĤEq <sup>wi</sup> , *ĤEG <sup>wi</sup> 'salmon, fish (generic)' 438	*mHilaGwV / *GHwimalV (~ -t-) 'worm' 325			*mulagéi 'an insect eating onions etc.' 449	*lōŋH / *lōk [if < *m-lōŋH / -k] 'maggot, larva, chrysalis' 1841
*ć'is'χ <sup>wE</sup> 'snail' 66	*čēlčū 'k. of insect' 1234				
EA *ć'iwžE	*čVrčV / *čVrčV				

‘maggots, eggs of blowfly’	‘lizard; snake, worm’ 656				
EA *χEwχi, -G- ‘insect, worm’ 1001	*qāwq̄(w)ī ‘moth; worm’ 1222		*qumil- (~χ-) ‘butterfly’ 579		*kwīn (~ g <sup>w</sup> -, G <sup>w</sup> -, -ē-, -r, -l) ‘a k. of insect’ 2273
*G <sup>w</sup> əma, *wəma ‘maggot, worm’ 281					
Nav k'à:lógi ‘butterfly’	PA *k'olk'VIV ‘butterfly’, Av. dial. k'alk'uč ‘id.’ (see under *kākV ‘k. of insect’ 1232)				
E čid-χ ~ čəd-χ ‘nits, louse-eggs’	PAvAnd *čondi / *čonti ‘flea’, PTsez *t̄ima / *č̄ima ‘nit’ (contaminating with PNC *čwīnhV 819)				
PA *waN ~ m- ‘fly (n.)’ 270	*pōrV (~l-) ‘bee; butterfly’ 863	*pinpiRin ‘butterfly’ 103		*phirán ‘moth; spider’ 174	*Pra ‘bird, fowl’ 389
*ʔAsE ‘tree’ 10	*ʔīrcV ‘stick, wood’ 2006			*hurç ‘pole’ 403	
EA *nisE ‘tree (conifer, generic)’ 557	*fwmīčē ‘a coniferous tree’ 1241				
*wəš'V ‘bush’ 864	*mučŪ / *čumŪ ‘stick’ 1025			*muş- ‘branches with leaves; wood, thicket’ 451	
EA *χ <sup>w</sup> iʔšE ‘thorn’ 1059	Av varc':i ‘колючий кустарник с горькими				



	плодами', Darghi dial. $\gamma$ anc:e 'шиповник' + Akhvakh $\chi$ e $\acute{c}$ e 'колючка', Avar $\chi$ a $\acute{c}$ 'копье, пика, штык, жало пчелы', Darghi Akushi вuc 'штык'				
PA *su:ns 'spear; stinger (of insect); thin bill (of bird)' 1647	*zāzē 'thorn, prick' 1244		*seʔs 'larch' 613	*čha $\acute{s}$ 'thorn' 324	
*č'Aλ'E 'willow' 122	*čwfieli (~ -f-, -l-) 'willow, ash' 1263				*śal 'willow, poplar' 983
*zag <sup>wi</sup> /*zig <sup>wi</sup> , *g <sup>wag</sup> wi/*g <sup>wig</sup> wi, etc. 'berry (generic)' 284	*zimɜV 'k. of berry (or flower, blossom)' 1284				
*λ'ət'E 'cranberry' 513	*ladV 'k. of berry' 2089				
EA *q <sup>w</sup> aʔλ'a, *q <sup>w</sup> aλ'a 'salmonberry, cloudberry' 631	*kāhlV 'k. of berry' 538				
*š'i 'k. of berry' 735	*čibV 'k. of berry' 1273				
*žEχ'ə, *ž <sup>w</sup> Eχ'ə 'pitch, gum' 1143	*śwānqī 'gum, ink' 2125		*žik (~-g,-χ) 'resin, gum' 841		
PEA *ʔaŋi 'boughs with needles,	*ʔāfV 'branch' 1238		*ʔuʔlan (~ x-, j-) 'rod, twig' 154		*jāl (/r) 'sprout, branch' 1436

branches' 6					
*ciwli 'knot, limb, branch' 366	*čhwōrə 'hair; switch, long branch' 50	*čořu 'root of hair'			
*řimV 'man, male, person' 448	*řiwŁĚ / *ŁiwłV 'man, male' 35			*lei (< *leli), *lal 'addressing a man; free man, great man' 225	
Tl řin-git, řin-git 'person, Tlingit' 494	*kwVnVtV (/ *řwVnVtV) 'male; young man, hero' 1766		*keřt 'man, person' 378		
*řAla ~ -ř- 'woman' 283	PNakh *řřali(j) 'dog', Tsez zilu 'female', Darghi řura 'bitch' (with irreg. -r-) 424				
EA *qə 'woman' 612	*qwǎnV 'woman' 115		*qVm- (~ř-) 'woman' 581	*řen- 'queen' 167	
PA *č'we:ř 'female, woman'	*čwōřV (~ -ř-) 'woman, female' 468	*ačo 'old woman' 186			OC 雌 čej 'female'
*kEři 'young man, boy' 404	*qVlē (~ ř-, -i) 'child, young one' 1762				
EA *čik'wi, *k'wiči 'small' 108	*čǎkŭ / *čǎřŭ 'young (of animals), boy' 760				
EA *řVdajə, *dajə	*dājV / *dādājV				

‘father’ 167	‘father; mother’ 1756				
EA *hana ‘mother’ 327	*ʔānV(jV) ‘mother’ 1759				*nējH ‘elder female relative’ 561
*ʔwija, -ə ‘father-in-law, father's father’ 867	*ʔōbV̄(jV) ‘father’ 889		*ʔob ‘father’ 127	*-pe ‘grandfather’ 459	*paH ‘father’ 233
EA *naʒa ~ l- ‘woman's brother; relative-in-law’ 1187	*nīwc(w)Ā ‘prince, ruler; bride-groom’ 1749				
PA *wu:(ʔ)ʒ(w) ‘older brother’, *de:ʔʒ ‘younger sister’ (cf. also *ʔinc <sup>w</sup> V ~ n- ‘woman's brother’ 36)	*=īcī ‘brother, sister’ (with various class markers) 1760	*a(n)-his-ba ‘sister (of a woman)’	*b[i](ʔ)s ‘brother, sister’	*-cu ‘brother, sister’ 226	*ćōjH ‘elder sister or brother’ 1303
*χAla ‘house’ 969	*qālV̄ ‘house, hut’ 1179				*krā (~ g-) ‘house, palace’ 2646
*ʔ <sup>w</sup> AnE ‘house’ 1344	*GwinʔV (~ -h-, -f-) ‘village; house’ 1344		*χuʔη ‘houses’, secondarily χuʔ-s ‘house’ 812		*qīm (~ *q <sup>w</sup> īm) ‘house’ 2541
*ʔAda ‘thing’ 3	*ʔādV ‘thing’ 2297				
*jajə ‘clothes, belongings; pack’ 1092	*q̄wājē (~ -ě-) ‘thing(s), possession(s), household’ 1355	*gai / *e-kai ‘thing’ 302			
*x <sup>w</sup> āʒ <sup>w</sup> i ‘strength, work’	*čāqV ‘strength, power’ 1820		*sa(ʔ)kar- (~-g-, -G-) ‘hard’ 608		*chăk ‘hard, difficult’ 1196
PA *wa:ʔG ‘war; war party, group of	*ʔwəhri (~ -e) ‘troops, army’ 1720		*ha(ʔ)r- ‘Arin; slave, servant’ 347	*hol ‘army, troupes’ 395	*rāH ‘enemy, captive, war’ 640

warriors; raid' 1164					
*śəji, *wəśəji 'name' 662	*z̥wēr̥hī 'name' 72				*Cǎ 'name, concept, form' 1363
EA *č'jaʔ 'master, god' 722	*b̥ičē (~-ä-, -ī) 'moral experience; god' 823				
*śʷənE 'cure shamanistically, medicine-man' 883			*seʔnVŋ 'shaman' 616		*s[ǎ]n 'k. of demon' 1492
*χELə 'offer, sacrifice, bless' 994	*Gwālho (~ -ə) 'gossip, rumour; offence, anger' 2107		*qə(?)r- (χ-) 'bad-tempered, angry' 536	*yul 'hate, enmity' 387	*GəwH (/ *Gh-) 'scold, offend' 2080
PA *č'wi:nd 'die, corpse, spirit of dead person' 1160	*č̥HwildV 'tower; headstone' 816				*čət (~ ž-, -ia-) 'sacrifice, offering' 1293
*lax'a, *laGa 'wither, die' 432	*=ilqwV- (/ * =ilχwV-) 'to die (plur. subject), die out' 336		*qə- 'to die' 573	*ya-n- 'to be exhausted, tired; to kill' 50	*kʷī (-t; ~ gʷ-, qʷ-, Gʷ-) 'old, weak' 2268
*hawa 'sick, hungry' 333	*=Hiq̣V 'to be hungry; to long, strive' 1975				*kǎj (~g-, q-, G-, -ī-) 'famine, fast' 2168
*χα 'kill, fight' 975	*=ilq̣wV- (/ * =ilχwV-) 'to kill, slaughter' 633				
*śEji 'voice' 659	*jīšwĀ 'voice, song' 1958				*śa 'sing' 1544
*cʷa 'change, distribute' 76	*=ičV (~ -ä-) 'to sell, distribute' 1847			*-čhi- 'give' 38	

E d-lid-g ‘S (tree, bush, branch) is dead and dried’ 1169	*λwindV ( ~ -i-, -ā-) ‘wood, firewood’ 1568	*iłhinti ‘firebrand, ember’ 332			
*χi ‘carry on back’ 1008	*=iχV ‘to carry, bear’; *r-[ǎ]χV ‘load, burden’ 1611		*ʔeq- ( ~ -χ-) ‘to load (off)’ 964	*-hó-n ‘to take, hold’ 539	
Hare giè, =giér-e? ‘road’ 1170	*GwātV ‘street, block, village’ 1671		*qoʔt ( ~χ-) ‘way, road’ 551		
*s'āx'a ‘bowl, dish’ 891	*ĉāqwā ~ *ĉāqwā ‘scoop, spoon, wooden vessel’ 1423	*aška ‘trough, manger’ 215	*siʔk ( ~-g, -χ) ‘trough for dough’ 643		*[Će]k <sup>w</sup> ‘ladle’ 1392
Tl kàt ‘long flat basket’ 666	*kūdwV ‘basket, receptacle’ 1548				*k(h)ōt ‘k. of basket’ 2330
Nav ʔà-šīh ‘salt’ 1189	*ĉwēnhV ( ~ *ĉēmhV) ‘salt’ 356				*C[u]āj ‘salt’ 1356
*čiχ'a, *č'wīχ'a, *š(w)iχ'a ‘hook’ 117	*ĉūk <sup>w</sup> V / *ĉūkV ‘to be hooked, curved; hook’ 1381				
*gas'V ~ ž <sup>w</sup> - ‘post, ladder’ 297	*gōnzi ( ~ -e) ‘threshold; ladder’ 1378				
*xEsE ‘pole in trap’ 943	*qwērĉV ( ~ -ī-, -ǎ-) ‘stick’ 1400		*xus(V) ‘fork, hunting spear’ 780	*gaçhé ‘branch’ 145	
PEA *ʔisE ‘fish trap, dipnet’ 24	*ʔilsV ‘tower’ 817				
*GižE ‘act with end of stick-like instrument’ 269	*GHwālčV stick, board; bolt 1382		*qēž- ( ~χ-) ‘pole’ 530	*gilc ‘key (of a lock)’ 300	
*dEna ~ -m-, -ń- ‘fish			*dəm ‘arrow; net		*dhōŋ ( ~-ǔ-) ‘pierce, sharp

spear, harpoon' 195			needle' 313		weapon' 507
*š <sup>w</sup> əx'ə 'knife; whittle, shave, carve' 761	*č <sup>w</sup> īkwV 'knife' 1527		*čok 'axe' 268	*ćak 'pick-axe' 268	*ž <sup>w</sup> Īk <sup>w</sup> 'chisel; axe, hoe' 1669
*dA <sub>3</sub> V 'fire rubbing sticks, firewood' 171	*dūčV 'wood, firewood' 1613				
E -t-χaʔ 'handle (semicircular type, on container)' 1192	*f <sup>w</sup> ūl <sup>w</sup> ī (~ -š, -ō) 'handle' 1583				
EA *sinχ <sup>w</sup> E 'scrape, rake, draw a line' 679	*caχ(w)V / *caχ(w)V 'to scrape, scratch' 1893				
*GAs'a 'rip, scratch' 240	*čVqV / *qVčV 'to scratch, rub' 1892		*ž[e](?)χV 'to shave' 836	*qhaš 'to rub' 486	
*š[ə]f'V, *š <sup>w</sup> [ə]f'V 'rub off, sweep, file' 755	*=V <sup>w</sup> LwV 'to sweep, clear' 1943				
*nāχ <sup>w</sup> V 'string, gut' 553	*Hxām <sup>w</sup> V 'leather strip, rope, string' 1032				
*ʔišə 'string' 39	*rʔēč <sup>w</sup> V <sup>w</sup> / *č <sup>w</sup> VrʔV 'string, bow-string' 1616				
*sEc <sup>w</sup> E 'belt' 882	*HVr <sup>w</sup> žwV (/ *rV <sup>w</sup> žwV) 'belt' 1483				
*š'Ewš'i 'thread (fish) on stick for drying' 730	*=i[l]č <sup>w</sup> Ē 'to roast, fry, dry' 2076			*huy- 'dry' 24	
*dE <sub>3</sub> <sup>w</sup> E, *dEc <sup>w</sup> E	*=ī <sub>3</sub> V 'to spin' 1936				

'twist, spin' 208					
*GEmVc <sup>w</sup> V 'twist, squeeze, clasp' 266	*=HižĀ[m] 'to twist, bend, wind' 1916		*ʔuʔʒ (~ x-) 'curved' 143		
EA *taʔk'a 'twist, turn, spin, roll' 774	*=HiḱwVn 'to spin, to knit' 1573		*kiʔ 'yarn' 394		*k(h)äjH 'spin, wind' 2284
EA *weʔc'E 'weave' 854	*HrVčĚ 'to weave, plait' 2165				
*ʔiwi 'tie, wrap, knit' 471	*=VλwE(n) (~ -λ-) 'to bind, knit, plait' 1927				*lām (~λ-) 'to plait, wind' 1192
*ʔaq <sup>w</sup> V, *ʔax <sup>w</sup> V ~ ŋ- 'tie, weave' 17	*=iqār 'to weave' 1478				
*qAŋa 'sew' 593	*ʔirχwVr 'to sew' 1574				
EA *qanʔt'a 'patch'	*dHeq <sup>w</sup> V 'spot, patch' 2069				
TI -ʔuʔs'~ 'wash' 1182	*=HäčwĀ 'to pour, wash' 1944				
EA *dawa 'sit' 177	WC *t <sup>w</sup> V 'to sit' 757				*tūŋ / *tūk 'sit, stay' 1005
*q <sup>w</sup> i 'sit (pl.)' 622	*=iq <sup>w</sup> V 'to sit; to be' 88		*xu- 'to sit' 770		*kǎ (~ g-, q-, G-; -t) 'sit, dwell' 2128
*ʔa 'be in position, lie, sit' 15	*=eʔ(w)Vr 'to sit, be quiet' 194	*e-aī 'to sit' 88		*hur- 'sit' 543	
PA *məl 'sleep (n.)' 1190	*fiemλĀ 'dream' 525	*lo 'sleep' 91		*-wélʒi 'dream' 287	*mǎŋ (/ *mǎk) 'dream' 71
*hEla 'sleep' 338	*=HVwλĀn 'to sleep' 338				
EA *caʔlk'a, *caʔlGa	*čalk <sup>w</sup> V-/*čalq <sup>w</sup> V-			*čaq 'to chew' 158	Tib. čag čag

'hold in mouth, beak, clench between teeth' 75	'to chew, bite' 192				
*f <sup>w</sup> əwE 'suck; breast, nipple'				*-ltáu- 'to lick' 281	*l(j)aw (~-əw, -iw) 'lick' 1778
EA *χač'a 'gnaw, chew, bite'	*χinčV 'cheek; jaw' 947				
*ʔliq'E 'swallow, carry in mouth' 48	*HēmGĀ 'to bite' 277			*káu- / *qáu- 'to put in mouth, chew' 414	*k(h)ejH 'bite' 561
*nAŋ <sup>w</sup> a 'drink' 548		*e-an 'eat' 28		*me-n- 'drink' 22	*ʔiǎmH 'drink' 1992
*c <sup>w</sup> aŋa ~ -ä- 'see, look' 77	*=VrλwEn (~ -λ-) 'to see, look' 579				
*tä[j]a, -ə 'look' 787			*t-uŋ 'to see' 734		*th(r)iāŋ (~dh-) 'look, see' 1063
EA *xaʔ 'eat' 916	*ʔikwVn 'to eat' 276				
EA *q'imə, *qimə 'provisions, grub (food for a trip)' 625					*kēm(H) (~g-) 'hold in mouth' 2240
*ʔis <sup>w</sup> V ~ n- 'call, summon' 38	*=ěλwV 'to call, cry, sing' 594				*lō 'sing' 1783
EA *č'aGa, -q'- 'hear' 715	*χVčV (~ x-) 'to hear' 435				
*hamažə, *χamasə 'itch, tickle' 976	*HVžVw- 'to itch, to hurt' 1886		*ʔāž- (~x-, -ž-) 'to be ill' 46	*ža-k 'rheumatic pain' 411	
EA *x <sup>w</sup> a 'grow' 915	*=eg(w)V 'to grow' 175				
*c'Ak'E, *k'Ac'E 'sharp, (sharp) edge'	*čəqV (~ -ǒ-, -ě-) 'sharp' 2063		*t[i](?)qəž- 'scraper, strickle' 701		*chīk <sup>w</sup> 'axe, chop, chisel' 1234



70					
*kHōtwV̄ / *kwHōtV̄ 'short' 314	*kHōtwV̄ / *kwHōtV̄ 'short; short-eared' 314	*guti 'few, a little' 165		*khuṭ 'short' 171	
*daḷ <sup>w</sup> a 'heavy' 182				*baldá 'burden, load' 337	*λij 'heavy' 1933
*Ga 'by, beside, near' 233	*hīgVrV 'near' 396		*ʔikVl (~ -x-, -r) 'close to, near' 1002		*k(r)ǝj (~ g-, q-, G-, -s) 'near, close' 2218
*l'ä 'bottom; hind end' 454	*Hλōnū, *Hnōλū 'bottom' 1397				*λāṅ 'floor, arena' 1893
*náž <sup>w</sup> i (? *náž <sup>w</sup> i) 'middle' 578	*hāmçĒ 'half, middle' 966		*su- 'half' 649		
*š'i 'corner' 723	*mūr <sub>z</sub> wě 'corner, edge' 695				
*χi 'point, end' 984	*=āhwV 'edge, point; face' 929			*-úrV / *hVrV 'top (of mountain), comb, crest' edge; sharp' 15	*ji 'face' 1456
*λ'ə 'middle; crotch' 508	*=ěλĒ 'middle, half' 779	*eṛdi 'half, middle' 240	*ʔaʔl 'half' 2		*λāj 'navel, centre' 1877; *λiāṅ (? ~ -m) 'heart' 1837
*cEwə 'fore part, first' 361	*cwi 'in front, before' 2235				
EA *da 'mouth (exterior), lid, cover' 166		*tini 'top, summit' 161		*-thán 'top' 165	*tēṅH (~d-) 'top' 899
*GV, *χV 'down, under, underneath, beneath, below' 271	*=əχA 'bottom, lower part' 484	*behe 'ground, floor ; lower (part), bottom; below' 360			*jū(k) 'down, descend' 1463

*g <sup>w</sup> Eg <sup>w</sup> š'E 'point(ed), corner' 304	*k <sup>w</sup> ēkē (~-ǎ-, -ī) 'edge, point, corner' 968				*kēk <sup>w</sup> (~ g-, q-, G-) 'limit' 2164
*ś <sup>w</sup> Ana 'old (person, animal); old age' 920	*śwānī 'year' 146		*siñ 'old, withered' 637	*den 'year' 129	*nīṅ (s-) 'year' 587
EA *λ'iχi 'left (handed)' 467	*ʔVnλV 'left' 1806				
*G <sup>w</sup> Eṅa 'dry' 279	*=iG <sup>w</sup> Ār 'dry, to dry' 29	*agoṛ 'dry', *egaṛī 'thirst' 23	*qo(ʔ)r <sub>1</sub> - (~-l-) 'dry' 575		*kār 'dry' 2159
*ciχ <sup>w</sup> E, *ciχ <sup>w</sup> E 'red, yellow; urine' 367	*ćakwV- 'white, yellow' 329		*tāʔk- 'white' 683		
*χAšə 'curve, burl' 970	*qHwēmčV 'hook, curved' 1802				
*χ'imžE, *χimśE 'sour, stinking' 1036	Lak q'urč'i- 'кислый, горький, прогорклый'				
*xAk'a 'dry' 919	*G <sup>w</sup> iG <sup>w</sup> Vr- 'dry' 29		*qV[ʔG]i- 'dry' 580	*qaq- 'dry' 23	*g(h)jāk 'dry' 323
*χ <sup>w</sup> əLi, *x <sup>w</sup> əLi, *g <sup>w</sup> əLi 'roll' 1064	*gwērV 'circle, round, to roll' 1064	*g <sup>w</sup> uṛdi 'wheel' 282			*k <sup>w</sup> rēIH (~ -ia-) 'roll, surround' 2280
*jaža, *jaša 'small' 1079	*HVnšV 'small' 646				
EA *ž <sup>w</sup> aHe 'frightened, startled, shocked' 1130	*hVmčV 'fear, fright' 1976	*isü 'fright, terror' 213		uš (gan-) 'to fear, be afraid; be wild, frightful'	
TI č'aʔk <sup>w</sup> 'long ago' 1163	PNakh *čaq 'far, distant'				
E Gəʔq' 'bracelet, hoop'; Geʔq'-t	*gīrgwV 'circle, round' 84				

‘bracelet, hoop, piston-ring’ 1180					
*ʒ <sup>w</sup> iwV ‘good, pleasant’ 319	*ʔV(n)ʒV ‘good’ 47				
*ʔa ‘move end, face, hand, order’ 1	*=ēʔV ‘to move, pass over’ 1833				
*ʔja ‘be in position/situation, happen; do’ 51	*=āhwV(r) ‘to do’ 1826		*wV̄ʒ- (~*b-) ‘to do, make’ 758		*q <sup>w</sup> [i]ǎj (~*ʔ <sup>w</sup> -) ‘make; divide, distribute’ 431
*c <sup>w</sup> iñE ‘flee, run to safety’ 91	*=iλwVn ‘to run’ 1872				
*GAG <sup>w</sup> č'a ~ G <sup>w</sup> - ‘sink, flounder in the water; fish trap’ 236	*=Hoq̄V ‘to sink’ 1967				
*hāwa ‘move, go (unseen or imperceptibly)’ 335	*=VʔwV(r) ‘to go, to come’ 161	*e-oHa-n ‘to go’ 375	*hejVŋ ‘to go’ 350	*né- ‘walk (go)’ 108	*ʔwǎ (s-, -ŋ) ‘go’ 2012
*ɪ <sup>w</sup> EdE ‘glide, slide’ 487	*ʔVλV(r) to ‘crawl, glide’ 1838	*leṛa ‘slip, slide’ 230			
*λ'Et'i ‘pour, scatter’ 510	*=iṭVl ‘to drip, drop, pour; wet’ 1693				
EA *qa ‘come, go, move’ 595	*=iχwV (~-q-) ‘to go, to come, to enter’ 401				
*qaGV ‘fall, alight, squat’ 605	*=aqwV ‘to fall, to lie; to get into’ 1830		*ʔa(ʔ)q-ɔt- (~-G-, -χ-) ‘to sleep’ 29		
*tEk <sup>w</sup> a ‘dig out, clean out/off’	*HrīkwV ‘to bore, dig’ 1932		*ʔuK- (~x-) ‘to dig’ 153		*ruak (k-) ‘cavity’ 820
*tə ‘lie prone, sleep’	*=VṭwV ‘to lie, to				

807	sleep' 411				
*t'Ala 'soak' 816	*=V̄t̄wV 'to pour, soak' 1790			*thi 'to pour' 311	
EA *win(?)xa 'stink' 852	*Hmīf̄wV 'smell, odour; cry; an odorous grass' 1331		*bej 'wind' 205	*méjaŋ 'snowstorm' 248	
*x <sup>w</sup> Eŋi 'tear, rip, pluck' 911 (also EA *taʔʔa 'burst, explode' 767)	*=ēλwV(l) 'to burst, tear' 1906		*ʔil (~x-, -l-, -r) 'to break, split' 98	*-ltúr- 'to break, split, tear' 283	*rūł (~-uał) 'rag, demolish, ruin' 845
*xAlə 'pour, stream' 921	*HVq̄Vr 'to drink; to pour, flow' 159				*G(h)ör (~χ-, γ-) 'soak, leak' 2096
*x <sup>w</sup> ašV ~ *š <sup>w</sup> - 'cut' 926	*=V̄rswE 'to cut (in parts); to shear, clip' 1530				
EA *q'ic'a 'click, snap, bite'	*qāçĩ (~-ũ) 'piece; bite, incision' 10		*qis- / *qhis- 'to rip, tear' 483		*qāt 'cut, cleave' 2536
Tl -ʔāt~ (imper. -ʔa) pl. 'go on foot' 1175	*=ətV 'move, go, come' 22		Kott. it- / ot- 'come'		*tiə 'to go' 2761