

Original Synthetic Article

On The Origin of Salish, Wakashnan, and North Caucasian Languages

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ABSTRACT

The following paper represents a comparison between the most stable words in two language unities: 1) Salish-Wakashan (North America) and 2) Lezghian group of the North Caucasian family (North Caucasus). This comparison shows that any word/root from the list of basic words in Salish and/or Wakashan precisely matches the appropriate word/root of Lezghian as well as its proto-form in North Caucasian. Such close similarity clearly shows that the Salish-Wakashan languages of North America are related to the North Caucasian languages. We may add that the North Caucasian languages are older, and phonetically more complex, than Salish-Wakashan languages. This shows that Salish-Wakashan languages may have originated from the North Caucasian languages, which are a part of a larger unity: the Sino-Caucasian, or Dene-Caucasian phylum, or macro-family. Having this in mind, we can ask ourselves, when and where have the ancestors of the people, who now speak Salish and Wakashan languages, separated from North Caucasian

languages. In the paper below, we try to show that this may have happened approximately 5,000 years ago. After this split, the ancestors of the Salish and Wakashan languages started moving to the North-East and reached at the end the North American territory. Something similar has happened with another family that is a part of the Dene-Caucasian phylum: The Yenisseian languages of Siberia are closely related to the Athapaskan languages of North America, which presupposes a split between the ancestors of the Yenisseian languages and those of the Athapaskan languages at some point in Siberia, after which the ancestors of people, speaking Athapaskan languages, migrated to North America.

In a relatively recent work by Edward J. Vajda (I only have a copy of Vajda's preliminary paper, dated by Dec. 8, 2005), Yeniseian (= Yeniseic) languages have been successfully compared to Ath[apaskan]-Eyak-Tlingit languages ("Na-Dene minus Haida" in Vajda's words). His general conclusion is: "Yeniseic and Na-Dene form a real, verifiable family. ... It appears possible to reconstruct the proto-language ancestral to Yeniseic and Na-Dene in considerable detail ...". So, the above American languages are, as it seems, much closer to Yeniseian as any other languages (either in America or in Eurasia).

On the other hand, Salish [Sa] and Wakashan [Wk] languages of America are much closer to North Caucasian [NC] languages (when judging by the proto-North-Caucasian reconstruction: see below) as any other languages (either in America or in Eurasia). Both North Caucasian and Yeniseian languages, along with Sino-Tibetan (and a few small languages of Eurasia), form a Sino-Caucasian [SC] phylum - or a Dene-Caucasian one, if we take in consideration languages as Athapaskan-Eyak-Tlingit, Salish-Wakashan and a few others. But we have to reconsider the way the Sino-Caucasian / Dene-Caucasian languages have been classified. It seems incorrect to view Eurasian languages (NC,

Yenisseia, etc.) as some kind of a soubgroup, and then add to them the related languages of America (Na-Dene, Salish, etc.). Rather we deal with a NC-Sa-Wak (+) subgroup; then with a Ath-Eyak-Tlingit-Yeniseian subgroup, etc. Naturally, such a division presupposes that the ancestors of people now speaking Yeniseian lan-guages, in their migration to the North-East, stopped moving at some point and settled somewhere in the region of the Yenisei river, whereas the ancestors of people, speaking Ath-Eyak-Tlingit languages, continued to migrate until they reached the North American continent (where they split into smaller groups).

Accordingly, the ancestors of people, now speaking Sa-Wak languages, split at some point from the people who speak today NC languages and went to the North-East, reaching, at the end, the North-American continent, where they later split into smaller units (Salishan, Wakashan, and a few more). This may have happened some 5 thousand years ago, since there are features both in NC and in Sa-Wak languages which may indicate that both groups underwent a relatively late split of their common linguistic area (which happened over 5 millennia ago). Soon after this split, the ancestors of Salish and Wakashan people started moving to the north-east.

As many scholars assume, the ancestors of Amerind languages (= a large language phylum) came to North America some 12 millennia ago. The ancestors of Dene-Caucasian languages of America came, naturally, later: but when? Taking the above conclusions in consideration, we may suppose that, at least for some people, speaking these languages the arrival to America was relatively late.

Sino-Caucasian / Dene-Caucasian phylum is an old one; it may be older than Nostratic and Afro-Asiatic phyla. In Europe, we can identify several “isolated” languages that are, actually, Sino-Caucasian; we can also identify some rather broad areas of Sino-Caucasian substrate. All this indicates that Sino-Caucasian languages and peoples were wide-spread in Europe before Nostratic people came and, ultimately, covered almost all Europe. (On the other hand, the Sino-Caucasian people reached the American continent relatively late).

Grouping of Salishan and North-Caucasian Languages

A relatively late regrouping of NC languages has resulted in the following (see also below):

Group I: Nakh, Tsez, Lezg, WC [in certain words, they preserve NC stops *q'w, *_q'w, *_qw]

Group II: EC: AvA, Lak, Darg, Khin [in certain words, they have changed the above stops to *k('), *k'].

It seems possible to show (see tables below) that IS (Interior Sa) languages have preserved PS *q', in words akin to those of NC languages of the Group I (< stops *q'w, *_q'w), whereas CS (Coast Sa) languages (along with some Wk dialects) have changed PS (=Sa-Wk) *q', in above words to *k('), *k', - in the same way the above NC (=EC) languages of the Group II have done.

The next sets may belong to those showing a split between the group-I languages (Lz/Nakh/Ts/WC + IS) which keep old uvular stops -q^(w)- (etc.), and the group-II languages which turn uvulars into k^(w) (etc.) (AvA/Drg/Khin/Lak + CS). (The situation in Wk lamguages is not very clear yet). The left column contains Sa and Wk data; the middle col. - roots in N(E)C daughter languages; the right col. - proto-NC/NEC roots. Numbers refer to pages in SED (left col.) /NCED (other col-s):

Table 1.

TWO, TWINS I IS:MC tq'-aw's two; t'q'-m+aw's(-ñn) <i>together</i> (:PS *-was, *-alwas <i>pair+</i>) II CS140 *k'ñuya <i>twins</i> <*k'ñ/iy SWk:No[otka] k',a:y- <i>twins</i>	I. Lz *qv̑,ða two / Ts *qv̑,nV WC *t ql:,A > Ub Ótqv̑,a II. AvA *Óki- / Lk Óki / Khn Óku Drg *Ók,i two	I. NC 924 *tq'Hw̑ða two EC 917 *q'H- ̑am=VfLwV <i>one of</i> <i>(both) wives</i> II. (EC *q'Hw̑ða; *q'Hw- > *Ók, *Ók,*)
BIG, MANY I SWk *iÓxw <i>big</i> (NN 120) [Cf. Ts and WC] II CS:Ld hik, <i>big</i> (a frequent deglottalization)	I. Nkh *qv̑ðani /Ts *=uqV b.,many / Lzg *naqv̑,V- m. / WC *q',V II. Av *-HiÓku- <AvA *hinÓka- b. > Kar eÓka-m	NC 594 *Hnðaq'w̑ðV <i>big, old</i> (> I. *Hðanq'w̑ðV) (> II. *Hðank'w̑ðV)
SIT I (T[able] 74) II CS:UC 55 k'wa s. (root) /Se 32 kwá-t <i>put down, set</i> / NWk:Kw k',laí <i>sit d., k',la-¹a be sitting</i>	I Nkh */- Ts *-iqv̑,- be Lz *liqv̑ða- II AvA *iÓk, be, sit / Lk *i=Óka	I. EC 647 *=iq'wV <i>sit,</i> <i>be</i>

Note to two, twins: Cf. also a Kartvelian borrowing from WC languages: *t'q'ub twins. Table 2 shows EC root for sour, raw which contains intervoc. *k'; this latter is preserved as a velar in the Group-II languages (CS *k;; NWk x; EC:Drg *Ók,) but changed to *q(') in the Group-I languages (IS *q' > (?)q; EC *q'w > Ts *qv/*q).

Table 2.

SOUR, RAW I IS 162 *c'aq s. + (Cb c'aʔq) [IS a :Lz ä :EC ä] II Ld 54 c'ik, raw ? NWk cix,- [x, < *g ^w ?]	I Ts *c[π]q/qv- s. < *-q'w- < EC *-k'w-] II Lezhi ciÓki Archi Óceg ^w - < Lz *ÓcäÓk ^w t- r., bitter / Drg *ÓciÓk ^w sour	I (*-k'w- >) *- q'w- > ... II EC 356 *_c'äk'wV s., r.
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As it was mentioned above, the above division of NC languages in two groups is relatively recent; NCED contains the following passage about this regrouping:

"In the reflexes of the labialized uvular affricates in Avar-Andian [AvA], Lak, Dargwa and Khinalug we observe a very characteristic parallel development: the uvular affricates *qvW, *_qvw, *_qw in non-initial positions shift to the velar series..."

The development of uvular labialized *_qw, *qvW and *_qvw into velars in medial postvocalic position has not at all afflicted Nakh, Tsezian, Lezgian and West-Caucasian languages. This development must be dated in a rather late period (after the break of the Avar-Andi-Tsezian unity); this is an important areal phonetic isogloss which obviously can provide us with information about the geographic location of separate families of the East-Caucasian languages in the period about the 2nd-3rd millennium B.C." [NCED 59-60; similar changes appeared in the NC root *tq'HwÈĐa two > EC *q'HwÈĐa, cf. NCED 924].

If the regrouping of NC languages into I. Nakh-Tsez-Lezg-WC vs II. AvA-Lak-Darg-Khin is indeed reflected by Sa languages (group I. IS vs group II. CoS) then this event may have occurred earlier than 4-5 mill. ago. This would match the time of the migration of the ancestors of the speakers of pre-Sa-Wk languages to N. America and splitting of the group into Sa and Wk languages (Salishianists seem to agree that Sa languages originated some 4 thousand years ago).

The Most Stable Words in Salish, Wakashan and Lezghian

The following comparison and a Table of basic words (following Swadesh's 100-word list) contain Sa[lish] and Wk [=Wakashan] words/roots; reconstructed Lz [=proto-Lezghian] roots, and the appropriate protoforms, namely, EC [=proto-North East Caucasian] or NC [=proto-North Caucasian]. Some roots of other NC daughter languages (beside Lz) are listed as in the comparison as well.

Lezghian is one of six proto-languages which belong to the p.-North Caucasian (NC) family, along with two 'individual' languages – Lak and Khin[alug]. Many Lz roots show genetic identity to those in Sa and / or Wk l-ges.

[**Note:** T91 (etc.; col. I) indicates word order in the TABLE (below); PS 115, IS 197, CS 220

indicate pages in SED (col. II), but Li 48 or MC 7 refer to pp. in appropriate books; NC 845 or EC 1041 refer to pp. in NCED (col. IV)].

Here are some other important abbreviations: PS = proto-Sa; CS = Coast Sa; IS = Interior Sa; for most other abbreviations, see SED [Salish Etymological Dictionary by A.H.Kuipers, U. of Montana, 2002], p. VIII, and NCED [A North Caucasian Etymological Dictionary by S.Nikolayev & S.Starostin, Asterisk, Moscow, 1994], pp. 23-28.

If a page indication appears after other language abbreviations, they refer the appropriate books (MC = Dict. of the Moses Columbia Language by M. Dale Kinkade; Se = A Classified English-Sechelt Word-List by J.A.Timmers; Sp = Spokane Dict. by P. Flett; UC = Upper Chehalis Dict. by M. Dale Kinkade; BC = Stem List of the Bella Coola Language by H.F.Nater. Note also: NWk = North Wakashan Comparative Root List by N.J. Lincoln & J.C.Rath).

– Now note the following important phonetic symbols and shifts:

Óx=χ; C'=ÓC; C̄=CI // NC/EC geminated *C> tense (*)C: in daughter languages // NC/EC *CH > pharyngealized (*)CI [or (*)CVI] in daughter languages // L,L= voiced lateral fricative, affricate // *t̄= a reconstructed symbol: some lateral]. -- Sa voiceless lateral fricative t̄ matches N(E)C, Lz (etc.) λ // Sa/Wk c matches N(E)C, Lz (etc.) c/č/č̄ (SaWk s may also match N(E)C č) // SaWk c' matches c'/č'/č̄', etc. * * * .

Sound matches between Sa/Wk and Lz < N(E)C are obvious in many cases, cf. next (the meaning [col. 1] either covers all languages, or is indicated separately by SaWk (before /) and Lz/N(E)C (after /) -- Ex. 7 shows a root [?Uq^w]

drink in Sa & Lz, being very similar to EC (U = lab. vowel; underlined NC cons. is a geminate).

Ex. 6 includes Sa sibilant s which match NC s, š, ſ etc.; we have a valid match Sa [nw-s] : Lz [n-wš] : NC [n-wſ].

Ex. 1 shows Sa:Sq/Lz/EC [kʷi] which, who (+ an isogloss: delabialized k<kʷ in Be/Avar-And./Dargwa).

Ex. 8 contains a totally precise match if we take into consideration two facts: Sa i regularly corresponds to Lz e, EC ě.

Ex. 8 Sa seldom preserves cons. clusters, so the match Sa ḡ' [glott. later. affr.] :Lz fÓλw : EC ḡ'w is a norm.

Ex. 10 shows voiceless lateral fricatives (Sa ¹ = Lz and NC/EC λ) in the word for ‘woman’ (note genetically related suffixes both in Sa and Lz).

Table 3

1 <i>which, who</i>	Sq 274 <i>kʷi /Be ka:- which</i>	Lz * <i>kʷi</i> <i>who /AvA</i> Drg * <i>kV-</i>	EC 709 * <i>kwi</i> <i>who, which</i>
2 <i>what, who</i>	NWk 89 * <i>m'á what</i>	Lz <i>mo-sa when /</i> AvA ?i-mV <i>who</i>	EC843 * <i>mV interrog. Stem</i> (Nakh * <i>mV id.</i>)
3 <i>this, that</i>	MS ?é <i>this /Swk *?a- that</i>	Lz *?i *?a	NC214 *?i <i>this 218 *?ó that</i>
4 <i>this, that</i>	Sq265 <i>tí this</i>	Lz * <i>tV demonstr.</i>	EC 993 * <i>tV that</i>
5 <i>thou</i>	MC 96 -wi Sq 48, 311 <i>nəw</i>	Lz * <i>Éuo-n</i>	NC1014 * <i>ÉuÈo</i> (Khn wi)
6 <i>two</i>	CS 220 * <i>nwas</i>	Lz * <i>nuš-aj /</i> * <i>niwš-aj</i>	NC 845 * <i>năwši</i>
7 <i>water, to drink / to d.</i>	PS 91 * ^w <i>q uí /*luq</i> ^w	Lz * ^w <i>loq a- (></i> <i>q a-, uq-)</i>	EC 221 * <i>Íu/Èo_qwV</i>
8 <i>sing</i>	Li 48 ?ifλ' <i>sing</i>	Lz *?efÓλwV	EC 413 *?eλwV <i>s., call</i>
			<i>s., say</i>
9 <i>lump / knoll, mountain</i>	(Th <i>mól pile up/</i> NWk88 * <i>m'ufλ- lump, heaped up,</i> * <i>m'u¹- ferment, rise</i>	Archi mul < Lz * <i>muhIVI</i>	EC 834 * <i>muÓalV m.</i> (Ts * <i>maIrū m., hillock, kn. / Nakh</i> * <i>lām m. [inv.]</i>)
10 <i>woman</i>	CS142 * <i>s-¹an-ayí woman</i> (Sm <i>s-¹ eníí</i>)	Lz * <i>λ:in:-ol</i>	EC 762 * <i>λπnÓV woman,</i> <i>female</i>
			<i>female</i>

Note to 6: Lz word means 2-year-old sheep; NC word means two (as in Nakh & HU) and 2-y.-old animal.

In the following sets, the 1-st column includes main sound correspondences between Sa and/or Wk; Lz roots; N(E)C roots (occasionally also roots from other NC daughter languages beyond Lz).

The 2nd col. shows SaWk data.

The 3rd col. shows Lz (and, occasionally, other NC daughter languages).

The 4-th col. shows appropriate N(E)C roots. - - We'll start with labial and dental stops in SaWk, Lz, and N(E)C; then provide sets with c-type fricatives (and related s-fricatives); laterals (and sets where laterals alternate with X-type fricatives and K/G-type stops; r in Sa/Lz/NC (and sets where r alternates with laterals and fricatives); (labio)velar stops (and appropriate alternations);

(labio)uvular stops (and appropriate alter-nations); velar and labiovelar fricatives; uvular and labiouvular fricatives; back fricatives beyond uvulars; ī.

Labial stops

1 p p: b b̄

[p-l : p:all : bʃāt̪h]	PS 73 *-pl-ucin mouth, edge	Lz *p:all forehead, horn	EC 285 *bʃāt̪hō edge, end
[pəl : p:tl(:) : btl] penis	PS 73 *-pəl-q p. (sf. *-aq)	Lz *p:tl(:) p. , p. of a boy	EC 307 *bt̪l/t̪V p. (Ts/Lz)
[xip : fλop: : fλHt̪b] breeze, wind [x<L; cf. LL]	MC 45 s-xíp breeze, wind	Lz *fλop:o-l w. / Lk x:iW b.	EC 768 *fλHt̪Bv w., b.

2 p p' p p̄

? [p' alání < *palhan_G : EC pan_G-lh] bark+	PS 79 *p'alan'/y' tree-bark [*p' alání]	Lz *parqvul: bark+	EC 865 *pan_GVlhV (/Ó) b., leaf+ [>*palhvñ_G-]
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[qəp⁽¹⁾ : qlap : Ts *qəb : NC q'Hap] cover / cap	CS 148 *qəp' cover, lid / IS 180 *qəp to cover (Li q'əp')	Lz *qlapaj big sheepskin hat / night cap /Drg *qapa h., c.	NC 918 *q'HapE hat, cap (cf. Ts *kəbV- id.)
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Note to bark: C' [p'] < *C--C (etc.) (IS:MC p' al'|an Th p'eý|en MS p' ñlñyí-)

3 p' p p̄ p̄

[c'ip' : Ócip̄ : c'- p'] squeeze/ blink, shut eyes / eyelash	PS 31 *c'ip' to squeeze (shut) [frequently shut eyes]	Lz'Fit Ócip̄-Ócip̄ Khl Ócep̄-Ócep̄-aj Kryz çäp̄ eyelash	EC 365 (sub *c'ílV) [*c'Ep'V] eyelash
[k ^w up : k̄-p̄ : gw ə p'] (possibly assim. k-p<g-p')	PS 46 *k ^w up (seldom q ^w) push together, stuff	Lz *kapal group, heap, crowd, grove, sheep-flock	NC 448 *gwə p'V group, heap [SC also unite] (=ST)

Dental stops

4 t t̄Vw t: t̄^w d dw

[ta : t:V : dV] not	PS *taí CoS:UC tay-	Lz *t:V- not	EC 404 *dV neg.
[tawí? : t: t̄ ^w iχ : dwirχ] child, son (-í?<*-iχ)	PS 106 *taw[i?] child+ (Cb twí?-t Sq - taw?-)	Lz *t: t̄ ^w i(r)χ son	EC 407 *dwirχE ch., s.

5 t t t

[ti : tV : tV] <i>this / that</i>	Sq 265 <i>ti</i> <i>this</i>	Lz *tV <i>dem. pron.</i>	EC 993 *tV <i>that</i>
? [yat : ?Vt : -Vt] <i>give</i>	Se <i>yat-</i> <i>give</i> (<*-it-?)	Lz *?VtV- <i>id. / WC</i> *tA-	NC 1034 *=VtV <i>bil/† give</i>

6 t (< t') t t'

[tu/ar : tur : t'hwə r] <i>stretch, string / string</i>	Cv s-ta-tár' <i>string, twine</i> Cr tar <i>stretch out</i> sub PS 103 *t̥y/äl <i>extend, stretch, fathom</i>	Lz *t̥ur-im/n <i>string, rope, thread</i> /Nkh *t̥hēr-ik s, <i>cord</i>	EC 999 *t'hwə rV <i>string, cord</i> (Lz/Nkh)
? [k w it : kurt : kwīrt'] <i>break /sledge hammer etc.</i>	NWk282 *k w it- <i>break / SWk *k w it[-]x- knock</i>	Lz *kurtaj (<*k-t̥) hammer / Ts *k w id <*k w it <i>sledge h.</i>	NC712 *kwīrt' h., <i>axe</i> (WC *k:ət w V <i>axe, spear</i>)
[q'at : qāÓt (: AvA q:at w) : q'ə t'w] <i>cut etc.</i>	NWk 371 *q'at- <i>cut with chisel</i> (? UC110 q'ətxi- hit)	Lz *qāÓt <i>cut, chop</i> /AvA *q:at w V <i>cut, chop+</i>	EC 915 *q'ə t'wV <i>board, chopped piece+</i>

7 t' t̥ t̥ t'w t'w t'H

?[t' al/† : t̥ el (: Drg t̥al) : EC t'wēl?] († < l?)	PS 217 t' al [rather -†] put across, loom, raft	Lz *t̥ el a <i>rod, pole</i> etc. / Drg *t̥al <i>stem, trunk, post</i>	EC 1006 *t'wēl?e <i>stick, (cross)beam</i> [Nkh +bridge]
[t'-q w : t̥eql w : t'Heqw] <i>patch</i>	CO t'q w Kw t'əG ə- patch	Lz *t̥eql w <i>speck, spot</i> /Drg *dekl w V <i>patch</i> (Drg-Lz)	EC 399 [*dHeq'wV or] *t'HeqwV <i>spot, patch</i>
? [t'áq'aw : t̥elq l w : t'Hálq'w] <i>stand up /sole+</i>	UC 146 t'áq'awi- move (stand up) CVCVC < *CVCC	Lz *t̥elq l w <i>shin, ankle /</i> Ts *t̥nq l w V <i>sole of foot</i>	EC 1000 *t'Hálq'w <i>part of leg</i>

Laterals

[Sa and Wk † denote a voiceless lateral fricative which is phonetically identical to Lz / NC λ (NC *† is a yet unclear lateral used only in reconstruction)].

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[law-? : Nkh -law : l̥w̥l̥] man (etc.)	IS69 *lawa? <i>man's fl's bro</i> (:Cv l̥iw) Sh l̥ew'e uncle	Lz *k̥ilV- (<NC *L̥wl̥V) male, man, men	NC749 *l̥wl̥l̥ man, male
<i>twist / twirl</i> (etc.) [SaWk c' : Lz lc : EC rc]	CS 139 c'ñl <i>twist, spin / NWk 151 *c'l- weave</i>	Lz *?ilcal turn around, twirl (lc < *rc)	EC 649 (Nakh-Lz) *=?ircVI <i>twirl, turn around</i>
[m̥al : EC mh̥äl] <i>warm</i> (var. with n) <i>warm</i>	IS:Cb m̥äl' Cv m̥al	Nakh *m̥äl- (Lz *manV)	EC 807 *mh̥älV (var.: EC *mh̥änV)
[k'äl : rk̥ir : rkVI] <i>hear, listen</i> [k' < *rk̥]	PS 41 *k'äl <i>listen+</i> (<i>hear</i> in CeS, IS:Cr)	Lz *=?i(r)k̥i(r)- h. [2ndary r] / Khin kl-i h.	EC 650 *=?i(r)kVI l.

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[lam : lam : łam] <i>tongue / lick(ing)</i>	UC 59 lám- <i>tongue, lám=stq [tongue+fire] flames</i>	Lz *lam- <i>lick</i>	EC 754 * łamV <i>licking, to lick</i>
[^w k̥ al : k̥:wäl : gwV ¹] <i>to hide / lose, steal</i>	Se 29 ^w k̥ al- <i>to hide</i>	Lz *=?ik̥:wäl- <i>lose, hidden</i> / _{Ts} *g̥wVl- Av *golV <i>thief</i>	EC 630 *=?igwV ¹ <i>lose, get lost, steal</i>

101 (Wk¹) 111

[c'ñl /c'a ¹ : Ócal : c' Èñ ¹] <i>tree, branch</i>	PS28 *c'ñl <i>trees</i> sub PS 28 <i>stand; t. [CO c'l-c'al timber] / SWk *c'a¹ b.</i>	Lz *Ócal b. (also <i>shoot</i>) / WC *Ócñla <i>tree</i>	NC 362 * c' Èñ¹V <i>tree, b.</i>
[*c'ul ¹ : Ó¾cu/ol : H¾c' Èol] <i>black</i>	? IS 164 *c'uy <i>darkness, night</i> Be c'u <i>grey</i> (y < l) / NWk162 *c'ú ¹ - <i>black</i>	Lz * Ó¾cu/ol <i>see</i>	EC 556 *H¾c' ÈolV
[məÓxeť (inv. <*mətex ?) : NC mHilťaGw] <i>worm etc.</i>	Cv m'añ-mla? w. Sm mə-məÓxeť <i>caterpillar</i>	Lz *mulaqI ^w >Rut muluχI <i>worm</i> (also <i>snake</i>)	NC 817 *mHil/ťaGwV w. (> *mHiG(w)aťV ?)
[pəl : p:ti ¹ : bil] <i>penis</i>	PS 73 *s-pəl=q [see note]	Lz *p:ti ¹ (-) / Ts:Tsezi bilu	EC 307 (Lz/Ts) *bti ¹ V

Note to *penis* (just above): For PS *=q, cf. CS 212 *=aq *sex. organ*

11 + 11?

[q,ə ¹ : qvul : q'wəl?]	Ld 192 q,ə ¹ áy? log, stick	Lz *qvula board, sm. plank	NC 936 q'wəl?á board
?[t'äl/t : t ^w el (: Drg tal) : EC t'wəl?] (t < l?)	PS 217 t'äl [rather - t] put across, loom, raft	Lz *t ^w ela rod, pole etc. / <u>Drg</u> *tal stem, trunk, post	EC 1006 *t'wəl?e stick, (cross)beam [Nkh +bridge]
[Óxál : χ:lol : χəl?] husband / male, h.	IS 197 *Óxálwí? h. / NWk 329 *Óx ^w 1- uncle	Lz *χ:lol h. / WC *χ ^w ə male	NC 1086 *χəl?V male

12 + (tVC < *VIC) 11

[^w -k' : (^w)alÓk] scratch / scrape	PS 57 * ¹ ik' ^w hook up, spike+ MS ¹ ñk' scratch	Lz * ² alÓk ^w Vn dig, pick, scrape, put thru+	EC419 *= ^w alk'wV[n] pick, scrape+
[^w -k' : (lüÓkü <) ilÓk] remember / recite (etc.)	IS 171 * ¹ ñk' ^w remember (Sp in muse, mull over, Cr remind oneself)	<u>Lezghi</u> lüÓkün- < Lz *ilÓk an speak, telling <u>Khin</u> liÓku learn, read, sing	EC634 *= ^w ilk'wVn recite, talk
[^w -q' : luqv : ilqv] pierce / stick into, sew	Cx ¹ aq' - (root pierce in earring) sub PS 57 * ¹ ik'	Lz * ² ilqvVn- sew; nomin. *luqv ina knitting needle	NC 637 *= ^w ilq'wVn (same as below)
[^w -Óx : ilqv] thread a needle / stick into, sew	PS 61 * ¹ ñÓx ^w pass thru a hole+ (also thread a needle)	Lz * ² ilqv ^w Vn- s., embroider *wilqv ^w ina knitting needle	NC 637 *= ^w ilq'wVn stick into [>WC *q'w-], sew
[^w -Óx : -i ^w / : ilqw] run (away)	PS 61 * ¹ ñÓx ^w escape, run aw. [<u>diff.</u> pass thru a hole]	Lz *í <i>i</i> 1/4(:) a ^w run (away) / <u>AwA</u> *q/ ^w 1/4 <i>i</i> - trot, run	NC634 *= ^w ilqwE ^w A run

Note two sets with PS *¹ñÓx^w: Spirantization both in Sa Óx^w and Lz χ^w (<*qw) in run vs spirantization in Sa only (Óx^w <*q'w) in thread

13 † (/) / Wk fλ fλ λʷ fλ fλw

[maθ/θ: märθ-] handful	UC 84 (mó')-m'θ- / -mal- take a handful / NWk 81 *máθ- take by the hand	Lz *mä[rθ] / handful / T _s *mi[θ]u /Nakh *morλ armful, to embrace	EC798 *mär[θ]ə handful, armful
[m'ifλ : (miλ<) marλ ^w : NC märfλw] rain (T65)	SWk:No m'ifλ-, m'ifλa· rainning	Archi moλ /miλi < Lz *marλ ^w rain	NC 795 *märfλwĀ (rain)cloud

14 † λ: ḥHw ḥw

[l'əm? : λ:äl'm : ḥHwem]	Sq 327 ḥém? (root) dew	Lz *λ:äl'mä- liquid	EC 768 *ḥHwemV liquid
[l'an? : λ:aj : CS [*¹aní] weave (sub 142 *s-¹an-ayí woman) f_λwÈa_n] weave / wool	Lz *λ:aj wool / AvA *λuní hair+	769 *f_λwÈa_nπ wool	

15 fλ' : l : l/H fλ'-l- l/H-

[fλ'iÓx ^(w) : liqvl ^w : IHÈl_q'w] eagle [Sa also y-]	UC 77 fλ'iÓx in- eagle (CeS 218 *yñÓx ^w ñlai)	Lz *liqv ^w eagle / Lak lil-lu½:i bird	NC 748 *l/HÈl_q(')wÈA a bird (eagle, jackdaw)
[fλ'ái : laχI: : lHaχ] black bear / black	(Be39 fλ'a /) NWk 202 fλ' alí black bear	Lz *la/o½l:- black	EC 748 *l/Ha_½V black

16 fλ' Ófλ fλ' ḥ

[fλ'éc' : fÓla¾Óc] grow (plant), leaf+	UC74 fλ'éc'- g. (of a plant) (also in:) grass, plants, leaf	Lz *fÓla¾Óca stalk, leaf /AvA *fÓla¾ca leaf, some edible plant	EC 773 (AvA-Lz) *fλ'a¾c/ că a k. of plant
[ḥ'l : fλ:ol] (inv.) arm	NWk 195 fλ'iʔ-Óx- act with arm 185 ḥ'l ...palm of hand	Lz *fλ:ol sh.-blade, arm (inv.)	NC 588 *Hluḥ'Ě arm
[w-fλ' : woÓfλ] horn, antler (T41) (another var. shows -n-)	[Be 64 wifλ'aÓx a.] NWk 301 *wifλ' aq have antlers (PS 115 *wa/inalw h., a.)	Lz *woÓfλu-l head > Tsakh wuqvul /Ts -ð- < *-Vn- in *bōfÓlv hd, horn	EC 1041 *wÈenfλ'V(-lÈV) beak, horn, head Ě
[w-n : EC w- n] horn (T41)	PS 115 *wa/inalw horn, antler [/ Be 64 wifλ'aÓx a.]	Lz *woÓfλu-l head	EC 1041 *wÈenfλ'V(-lÈV) beak, horn, head see 2

Alternations of laterals with velar/uvelar fricatives and stops

Alternations of fricatives and laterals, originating from (voiceless) laterals

17 1/x λ: (Drg x:) λ

1 [1-n : λ:-n:] woman [suff.: Sa - ay? / Lz -ol] 2 [x-n : x-n]	CS142 *s- ^w an-ayí w. Sm s- 1 eníl UC356 - ^w n' Be 43 xnas; Sq 397 -šn* [girl]	Lz *λ:in:(-ol) w., female Lz:Tsakh xuna-š:e id. / Drg *x:un(-ul) Woman	EC 762 *λπηÓV w., f. (not to weave)
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Use of the suff. -šn (<-xn : UC -^wn') has been misunderstood by Kuipers in *The Sq. L-ge* 397: “ʔim?-šn little girl. Cf. /ʔim?/ little boy. – The use of the suff. /-šn/ (otherwise meaning ‘foot, leg’) in this word is unique”.

17a x ^w λ ^w (AvA x ^w) λw

[x in : λ ^w Vn : AvA x an : NC λwEn] be aware /see	Be nnn x in discover, become aware	Lz * ^w Vrλ(:) ^w Vn to look / AvA * ^w aX an- see, look	NC 1031 * ^w VrλwEn see, look
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18 Óx λ: λ-(WC:Abaz x)

[Óxíb <Óxím : λ:im:] (inv.) claw	Ls 265 Óxíb claw, scratch (b < *m)	Lz *λ:äm: /λ:im:- f.-nail / Lk mix c., n. (no inv.)	NC 814 *mñäλă f./t.-nail / WC məλə n., c. >Abaz mχə
[taÓx : Lk *IVx: < *IVλ: : NC ?lēλ-] night T60	Ls 143 taÓx night, dark	Lz *?eλ:a evening, late / Lk x:u n. < *IVx:u < *IVλ:u	NC 216 *?lēλă n. (WC *λ:Vλ:V night)

19 Óx ^w | (Lk lu) λ ^w 1u λ ^w

[c'ñÓx : EC ^w cHĐa ^w u] sand, gravel [c'< čH] (T70) but No c'i:tł/x- soft earth	IS164 *c'ñÓx Sh c'ñw-y- CS 139 *c'iÓx UC c'aÓxé?	Lz * ^w c:il earth+ / Lk š:al(lu) e., ground	EC 342 * ^w cHĐa ^w u e., ground, s.
[?aÓx ^w : ?aλ ^w] sweep	PS 21 *?i/aÓx ^w sweep	Lz *?aλ ^w V sweep	NC 201 *?āλwE whet, s.

Note MS x'ic' to skin / NWk 197 *λ'is- skin vs AvA *x' Vc'V skin (> Av. x' Vc'á) / EC 770 *λ'wājč'á s., bark

Laterals and fricatives, originating from fricatives

20 t-x λ-rλ (Drg, Lk x-rx) x-rx

[tix : λerλ : xērx] <i>slime</i>	Se 14 s- tiš (š<*x) <i>slime</i> Be tix <i>slimy</i> sub PS 54 *lix	Lz *λerλ <i>snot</i> / Drg *xirx, Lak xurx <i>slime</i>	EC 1061 * xērxV <i>slime, spittle, snot</i>
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20a x λ: (Ts h) h

[x-c : λ:-mč : h- m c'] <i>afraid / (to) fear,</i> <i>be afraid+</i>	Ld260 xéč <i>afraid,</i> <i>scare(d)</i> Note denaz. in Sa and Ts	Lz *λ:imč <i>fright, be s-</i> <i>d / Ts *hīč- to fear, be</i> <i>afraid</i>	NC 504 *hVm c'V <i>fear,</i> <i>fright</i>
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Cases involving fricatives, stops, and laterals

SaWk SaWk SaWk Lz N(E)C

21 q ^w G ^w q Óx() ḡ ? ^w (Wk fλ) λ: ^w λ ^w (λ q') λ(:)+ Lw λw λ'w λ'

PS *ci/aq ^w bleed T9	PS *ci ^w Sq ciÓx /? (CO caÓx) <i>bleed,</i> <i>blood</i>	Ld Cñ ¹⁻ bleed; in cmp. breathe / PS *cay	Lz *ÓčVλ: V ^w alive, ^w animated [λ: >Ud q]	EC 376 * c'ÈafLwV <i>blood, life</i>
? NWk 90 m'áq ^w -fog (patches) Kw maG ^w - drizzle	He moXw damp mójx ^w - d. CHECK!!!	SWk: No m'ifλ-, m'ifλa- raining	Arch moλ miλi <Lz *marλ ^w rain+ / Nkh *mary ^w cloud / Drg *mark a r., dew	NC795 *märkʷwA (r.) <i>cloud</i>

NWk 371

*xaq- *bone*NWk *xax- *bone*

no later.

Lz *jirλ: b. /Khn inķ

NC 528

*fireλ' wě b.

NWk *l'q- *liver*

(Ha l'Gis) T48

no later.

Rut laq' l. <Lz

EC 586 *Hläk'V *liver*

*laÓλ-Lak

t:iliÓk

21a q k ^w Óx ^w (b ^w <) lχ: rχ

CS222 *maqaλ <i>snow</i> IS 172 *mək ^w SIS -a-(Ka -q' ^w -, Cr mik' ^w)	IS 175 *məÓx ^w s. Cr maÓx ^w <i>cover w. s.</i>	no later.	Tb māλ ^w al < Lz *malχ:al s. (<i>drift</i>)	EC 796 *maryalV s. (Lz-Lak only)
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Sa and NC r**22 r r r**

[c'ar- : Óčalr] wet	PS30 *c'Óal- MC c'ær- wet+	Lz *ÓčalrV- wet	EC 385 *č'HärV wet, fish
[c'íl <*c'ir : c: ^w är : EC č'Vr] (Yl indicates *Vr)	Sh c'íl < *c'ir (/*cər ?) stand sub PS 28 *c'əl	Lz *?əc: ^w är- (>Tskh =zar-) stand (up) / Drg *ic:Vr- s.	EC 1025 *=Vmé'Vr] stand (up)
[c'ur- : -Óčur] stretch / strain	IS160 *c'Óu/Óal [*- r]	Lz *ÍπÓc:ur / AvA *Óc:ur	EC 213 *íi_Qur strain+
[c'ur- : Óčur] cold (T15)	PS 29 *c'Óu/Óal [*- r]	Lz *ruÓč <*Óčur hoar-frost	NC 393 * ³ / ₄ c'wErHV cold
[c'ar : NC - _c'Ěor] freeze	Cr c'ar feel cold (sub PS29)	Lz *ÍaÓcVr- turn to ice	NC 419 *=ñ_c'Ěor- freeze
[k'ær : Ókir : k'ir] (-i- in IS:Th, Sh) cut / knife	PS 40 *k'Óəl (Cb K'ær-) cut [+ cut w. shears / saw]	Lz *Ókira fang, hatchet etc. / AvA *ÓkirV big k., hatchet	EC 725 *k'irV knife, axe (AvA-Lz)
[k: ^w r : WC k: ^w er (roll)]	CO k: ^w r- round roll=	Lz *?akVr- / WC *k: ^w ərə	NC 259 *=ak'ür roll, rotate
[merwi? : *mirw-ñ < EC miñw-r ?] smelling grass	Sp 51 mérwi? seasoning herb mroy'	Lz *mihur mint (etc.) / Drg *mura hay (root) willow-h.	EC 821 *miñwVrV some odorous grass

SaWk velar/uvular fricatives, originating from *rSaWk x^w (SWk also Óx^w) < *r after CwV [C = voiceless non-uvular; cf. NC; see also #25]**23 x^w (SWk also x^w) r r**

[k' ax ^w : k: ^w Vr : k: ^w är] vessel etc.	PS 50 *k' ax ^w hollow out; container	Lz *k: ^w Vr- gutter, trough	EC 732 *k: ^w ärV an earthenware vessel
[k: ^w ax ^w : kur : kHwə ^w r]	NWk284 *k: ^w ax ^w hole, hollow /Ni kux ^w -ak hole (cf. Lz)	Lz *kur pit+ (= Drg)	EC 691 *kHwə ^w rV hole, pit
[c'ax ^w : c: ^w ar : c'wär]	Ha c'ax ^w - dribble [w-trnsf.]	Lz *jic ^w ar- melt, thaw	NC 627 *-č'wär id.

SaWk x (SWk also Óx^w) : NC *-r- (after *L^wV, *?wV, *j) and *hr-

24 Óx (SWk also x^w) r r hr

[^w iÓÓx : ^w i:Vr : Av Óxir] (No ^w iÓÓx :AvA *-urÓx:u-)	UC 68 ^w téx- burn SWk:No ^w iÓÓx	Lz *?i ^w a:Vr- warm /AvA *Óxir burn, be hot	EC 640 *= ^w Vr be hot, bit-ter (NB Wk/AvA ^w i < ^w t)
[? ^w ÓÓx : ? ^w Vr : Drg her] see [delab.: Sa/AvA/Drg]	UC 9 ? ^w ÓÓx- see	Lz *? ^w Vr- glance, peep, visit / AvA *harV s., look	EC 248 *? ^w erV look, sight (>Drg *her id.)
[c'aÓÓx : Obl. Óca-r <c'ăj-r]	Cr c'aÓÓx <i>fry</i> /PS33 c'iÓÓx <i>burn+</i>	Lz *Ócaj / *Ócoj- rV <i>fire</i>	NC354 *c'ăj /*c'aj-rV f.
[Óxik : rak : hrēgw] rake+ NB Wk Óx- <hr-	NWk 378 *Óxik ^w - sweep, brush off, rake (i < *ě)	Lz *rak(^w a) (etc.) rake (Nakh *jeÓxÓk / Ts hiňu)	NC 494 *hrēgwē comb

Cf., for Wk x- < *r-, NWk:Oo xm'a *night* : NC *rVmă'ă id. (see also next). -- In this ex., as also in SWk

*^wiÓÓx^w *red hot* (above), fricativization of *r may have been caused by the voiceless lateral in SaWk root.
SaWk Óx < *-r after *q'V or *q(')wV- [cf. NC; see also #26]

25 Óx r / zero (<-r) r

[q'aÓx : qvĐar] mud / swamp, dirt	UC 110 q'aÓx ay'- mud (:q'aÓx a- smear)	Lz *qvĐara d., swamp, marsh	NC *q'ĚđarĚe earth, dirt
[q'əÓx : qvar : q'är] larynx / throat	NWk:Kw q'u- q'əÓxa(-wi) larynx	Lz *qvar-qv(ar) throat	NC909 *q'ă-q'ari /q'ăra- (w) q'i thr. (WC *qv ^w ərə- qv ^w ə)
[q'əÓx : Tsakh qv'ar <Lz] split	UC 119 q' ^w ñÓx- split /(? NWk *qÓx forked, s.) Kw q' ^w aÓx- cut open)	Tsakh =qv ^w ar < Lz *?i(r)qv ^w ar tear, break	NC652 *=irq'wĚE(r) split, break (WC *q'v ^w a pierce)
[q' ^w əÓÓx- :AvA q' ^w ar] ask	IS:Sh q' ^w əÓóx- ask	Lz *?erx ^w a (<*-qw-) a.	EC 604 *HerqwĂr ask

Note to the above: UC 14 ?óÓÓx^w aš beg for [š < *x, Óx; ÓÓx^w after a stressed vowel] : Lz *?erx^wa
ask

SaWk Óx^w < *-r- after *q(')wV- (or sim.) [cf. NC; see also #25]

26 $\overset{w}{\text{Óx}}$ r rH

[q' $\overset{w}{\text{Óx}}$: $\dot{\text{q}}\text{ar}$: q' hwōr] <i>dirt</i>	NWk 370 *q' $\overset{w}{\text{Óx}}$ - <i>dust, dirt</i>	Lz * $\dot{\text{q}}\text{ar}$ <i>dirt+</i>	EC 916 *q' hwōrV <i>d., turf</i>
[q' $\overset{w}{\text{aÓx}}$: EC q' <i>warHV</i>] <i>skinny, thin</i>	PS 97 *q' $\overset{w}{\text{aÓx}}$ <i>skinny</i>	Lz $\overset{w}{\text{qv̑}}$ <i>arV- thin, emaciated, narrow</i>	EC933 *q' <i>warHV</i> <i>narrow / *q' wa-</i> <i>q' <i>warHV</i></i>
[q' $\overset{w}{\text{əÓÓx}}$: AvA q: <i>ar</i> : NC <i>rqwVr</i>] <i>butcher / chop</i>	Ld 196 q' $\overset{w}{\text{əÓÓx}}$ <i>butcher</i> (+ <i>clean the fish</i>)	Lz * $\overset{w}{\text{?irx̑}}$ [a] (<*-qw-) <i>hit, hew, mow, tear off</i>	NC 580 * $\overset{w}{\text{H̑rqwVr}}$ <i>chop+ (AvA *q: ar-break off)</i>

Affricates and fricatives: c-type affricates and related s-type fricatives

27 c (NWk c' s) č c š č c č

[cáy/cíy : čij : číj] <i>younger sister / sister</i> (with old suff. *-jV)	IS160 *ca-ca y-r si. (but Cb cáya? Cr ccíye?) / NWk165 *c'ay' y-r br./si.	Lz *čij <i>sister</i>	NC 670 *čí-jV si. (:*=čí br./si.)
[mayac, wipec : wec, jamc] <i>meat, dear / bull, ox</i> (T53)	CS 146 *mayac <i>meat</i> [frequently deer] (Sq s-mic Ti wiyéč) / ibid. NWk:He miás m., <i>flesh</i>	Fit wic Ag bec <*wec, jac < *jawc < Lz *jamc <i>ox</i>	NC 680 *jə mcō <i>bull, ox</i>
[pac : EC bHać(w)] <i>leaf</i>	? PS 72 *pac[-]kl <i>leaf</i>	Lz *p:alša <i>leaf+</i>	EC 297 *bHaćwe <i>bark, l.+</i>

Voiceless affricates in NC (cf. #33 below)

28 NWk s c c: č: 3 3 3w

[tis : lac: (Tb liz) : lōž]	NWk 208 *tis- <i>fair (completion)</i>	Lz *lac:V- <i>white</i> (Kryz läzi Tab lizi Rut liz-)	NC 751 *lōžV bright metal
[sa?k : č:äm̑k : žänkw:]	NWk 175 *sa?k $\overset{w}{\text{to skin}}$	Lz *č:äm̑k <i>goat skin</i> (etc.)	EC 1091 *žänkw̑ <i>skin</i>
[cul : č: -l : žw-l] <i>shatter / shake+</i>	NWk 147 *cuł- [in reality, cul- (Kw only)] <i>shatter</i>	Lz *č: $\overset{w}{\text{Vl}}$ <i>shake+ / Ts</i> *-oc- <i>knead/WC</i> *žo- <i>throw</i>	NC 418 *-ěžw̑l <i>wave, shake, stir</i>

Glottalization in Sa: c' <CH or RC

29 c' ¾C: čH

[c'(ñÓx ^w) : ¾C:(il) : EC ¾cH(Đa ¹ u)] sand (etc.)	IS 164 *c'ñÓx ^w sand, gra-vel CS 139 *c'iÓx id.	Lz *¾c:il /*¾c:il+- earth+ / Nkh *c(h)il ashes, dust	EC 342 *¾cHĐa ¹ u earth, ground, sand
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30 c' lc rš rc rc/č lc (type Rc)

[c'əl : -lcal : -rcul]	CS 139 *c'əl twist, spin	Lz *ʔilcal turn around	EC 649 *-īrcul twist, t. a.
[-Óəc'- (/ -nc-) : EC -ärč-] pus, matter	PS 65 *mÓəc'(-Óul) p.,m. [Óə< <*ər] Be mnc'- [nc <*rč]	Lz *maIrš pus (> Tskh maš) / AvA *mač(^w)V	EC 816 *mHärčwV pus, mucus
[q'Óx-c' : qI ^w -rč : EC GHw-lč (:Ts/Gin ¼ ^(w) -š)] stick+	PS124 *Óxñc'-ay' log, stick, wood Be Óx/qc'a id. / ? NWk:He Óxc'a'í canoe	Lz *qI ^w arč stake, wedge / Ts *¼ ~e¾s:u bar, (door)bolt > Gin ¼i¾su	EC 459 *GHwĐal cV stick, board, bolt

SaWk c' : NC c' č' and sim.

31 c' c: ^wÓc rč: mč' c' r¾c'

[c'jl <*c'ir : c:är : EC č'Vr] (Vl indicates *Vr)	Sh c'jl <*c'ir (/*cər ?) stand sub PS 28 *c'əl	Lz *ʔəc: ^w är- (>Tskh =zar-) stand (up) / Drg *ic:Vr- s.	EC 1025 *=_Vmč'Vr] stand (up)
[c'ip' : Ócip̪ : c'-p'] squeeze/ blink, shut eyes / eyelash	PS 31 *c'ip' to squeeze (shut) [frequently shut eyes]	Lz:Fit Ócip̪-Ócip̪ Khl Ócep̪-Ócep̪-aj Kryz çäp̪ eyelash	EC 365 (sub *c'č̪lV) [*c'Ep'V] eyelash
[i̪c'a : ar¾c:a : Ts i¾c- : EC Ěar¾c'-] (to) skin (T75)	PS 203 *i̪c'aí hide, clothes IS:Li -ic'a skin	Lz *íar¾c:a take off, peel (skin) / Ts *i¾c- id.	EC 265 *-Ěar¾c'V to skin

31a c' Óč H^{3/4}c' |_c'

[c'ú ¹ : Ó ^{3/4} cul] black (T8)	(IS 164 *c'uy <i>darkness, night</i>) NWk 162 *c'ú ¹ - b.	Lz *Ó ^{3/4} cu/oIv black	EC 556 *H ^{3/4} c'Èolv black
[c'uk ^w : ÓčäÓku : NC č'ákū] boy	NWk161 *c'úk ^w /x - ^w grand -child (Ha c'u ^w g ^w boy)	Lz ÓčäÓku-j young goat / wc ÓčäÓk ^w y. boy+	NC 382 č'ákū / čák'ū <i>young (animal), boy</i>
[c'-q : (3/4Óc-qv<) 3/4ÓcĐaqv ^w : NC _c' ÈĐaqw] scoop	NWk 160 c'iq- <i>to scoop</i>	Tab 3/4Ócaqva < Lz *3/4ÓcĐaqv ^w spoon+ (Ók in Av Drg Lak)	NC 332 *_c' ÈĐaqwÈa <i>scoop</i>

31b c'(ř) h-r^{3/4}c H-č'

[c'řan : h-č'vn : NC H-č'Ăn] tight, press	Cv c'řan IS (162 *c'řan) <i>tight MS c'an</i> (root) press	Lz *ř/hirč'vn >Tsakh ho=čan- <i>press, squeeze</i>	NC 568 *Hič'Ăn <i>press, squeeze</i> (>Drg *=alč'vn-)
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Deglottalization in Sa

32 c c^w mč c'w m|c'

[cum : c ^w em : c'řwěm]	CS 138 *cum <i>eyebrow</i>	Lz *c ^w em <i>eyebrow</i>	EC 364 *c'řwěme id.
[x-c : λ:-mč : h-mč] afraid /(to) fear, be afraid+	Ld260 xéč afraid, scare(d)	Ld *λ:imč <i>fright, be s-d /</i> Ts *hřč- <i>to fear, be afraid</i>	NC 504 *hVm c'v <i>fear, fright.</i>

Voiced affricates in NC (cf. #28 above)

33 c' (c'/z) č' Óč č: ʒ _3/4Ω/ʒ

[c'ak ^w : č:iÓk : Av 3/4ÓciÓk:] short	NWk 160 *c'k' - short	Lz *č:i[Ók]v- id. / AvA *3/4ÓciÓk: V- small, short	NC 1108 *ř_3/4Ωik'w ÈA /*k' Èř3/4Ω Èw ÈA short
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*Cf. PS [*c'u/am] *suck* (Cb c'əm'-m) / NWk (ibid.) *žám'- (suck at the) *breast* NWk 134 *ʒm-x - *milky* :

Lz *řac:a- to milk <NC 262 *řāmΩ ÈU to milk/drink (inv.: AvA *zin-HV cow > Tlanub žū)

[m-c'/z : -mÓc : m- ʒ] <i>stinging insects</i>	Th mč'- <i>flies,</i> məz- <i>bees, wasps</i>	Lz *ÓcimÓc(:) ant (etc.)	NC 823 *mižā / žimižā <i>a stinging insect</i>
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Sa c' : NC č'w č'w and sim.

34 c' c^w Óč^w Óč H_c'w č'w č'w

[c'Óu/Óam : (Ócum<) ÓcĐam :EC H_c'wÈejm] bone (T10)	PS30 *c'Óu/Óam (Cb Ós-c'Óam'); diff.: *c'u/am suck*	Lezghi Ócum <Lz *Óc Đam shin-bone+	EC *H_c'wÈejmñ 555 leg bone
[k' Óəc' : ÓkuÓč : kĘč'(w)]	PS 48 *k' Óəc' bend, twist	Lz *ÓkuÓč hook(ed), bent+	EC 694 *kĘč'wĘ-h., curved
[yac' : ?iÓč ^w : ićw]	UC 170 yac'á- turn (around and come) back	Lz *?iÓč ^w ä- come in / Ts *-iÓč- get into/ Av -aÓč- come	NC 629 *-ić'wĘ come, return

*Cf. a different root: PS [*c'u/am] *suck* (Cb c'əm'-m) / NWk (ibid.) *ʒám'- (s. at the) *breast* NWk134 *ʒm-x^w - *milky* : Lz *?ac:a- *to milk* <NC 262 *=āmQĒU to *milk/drink*.

Velars and labiovelars

Velar stops

35 Wk k k k: k kw

[kus : kis : Ts kis ^w (> kus) : kĘśw] shave / cutting tool	NWk 234 *kus- <i>shave, scrape w/knife</i> (/233 *kis- <i>graze; strike a match</i>)	Lz *kis(a) <i>fork / AvA</i> *kVš:V <i>hay cutting device / Ts</i> *k[č]s ^w <i>mow, shear, clip</i>	EC 693 *k[č]śwV <i>scythe or a similar cutting tool [verbs in Ts languages]</i>
?ik : juk: : Ts īg : īkw] good	NWk 404 *?ik- <i>good, nice, well, fine</i>	Rut jigi- <Lz *juk:č- / Ts *-īgV >Tsezi =igu good	EC 643 *-īnkwV / =īkwVn <i>right, good</i>

Glottalization in Sa (type C' < *CC) [cf. #39]

36 k' k (r)k Hk (r)k

[k'č̥t : EC Hkə č̥t] mud /dirt	PS41 *k'č̥t [č̥ indicates *H]	Lz *lak (inv.) <i>dung</i>	EC 584 *Hkə č̥V -dirt
[k'al : EC -rkVI] listen	PS41 *k'al <i>listen [also hear]</i>	Lz *-ī(r)kč̥(r) h. /Khn kl-	EC 650 *-ī(r)kVI <i>listen+</i>

Labiovelar stops

37 k^w Ók k(:)^w gw gw kw

[k ^w ñp- : WC k: ñp] <i>pile, heap, hill+</i>	Cx k ^w ñp- <i>pile, hill</i> Se <i>pile up</i> sub PS 46 *k'/q ^w <i>up push together, stuff</i>	Lz *Ókapval <i>group, heap, grove+ / Nakh *gub hill, barrow / Ts *gupv hill, h.</i>	NC 448 *gwñp'V <i>group, heap (WC</i> *k ^w : ñpñ g.)
[k ^w al : -k:wäl : - gwV ¹]	Se 29 k ^w al- <i>to hide</i> /Ts *g ^w Vl- Av *golV <i>thief</i>	Lz *?ik:wäl- <i>lose, hidden</i> /Ts *g ^w Vl- Av *golV <i>thief</i>	EC 630 *=igwV ¹ <i>lose, get lost, steal</i>
[k ^w i : k ^w i] (T96; T98 <i>who</i>)	Sq 274 k ^w i /Be ka:- <i>which</i>	Lz *k ^w i <i>who /AvA *kV- i.</i>	EC 709 *kwi <i>who, which</i>
[k ^w a'- : -k ^w ä : - gwV] <i>visible / see, show</i> (T72b)	SWk *k ^w a'-Óxi <i>visible</i>	Lz *?ak ^w ä- <i>see, search, show / Lak k^w a=k^w a- see, meet</i>	EC 255 *=agwV <i>see</i> (/ Drg *g ^w - <i>look</i>)
[Óxik ^w : rak ^w : hrégw] <i>rake+ NB Wk x/X- <r</i>	NWk 378 *Óxik ^w - <i>sweep, brush off, rake //night</i>	Lz *rak(a) (etc.) <i>rake</i>	NC 494 *hrégwē <i>comb</i> (Nakh *jeÓxÓk / Ts hiñu)
[c'ik ^w : ÓcuÓk : NC c'wějVkw] <i>spark</i>	IS:MS c'ík ^w <i>spark</i> (CO c'ix ^w)	Lz *ÓcuÓk <i>fire-brand,</i> s. / WC *ÓcvjøÓk ^w a / *ÓcvÓk ^w a	NC 373 *c'wějVkwō <i>brand, spark, brilliance</i>

> Abkh á-Ók ^w ic	(AvA *Óc: ^w aka b., s., star)
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38 k^w Wk k'^w / ?w / w^w k:^w kw /gw gw

a [k ^w ó?̄s : NC gwǎ̄j] <i>bitch, dog</i>	UC 53 k ^w ó?̄s b. / He ?was- Kw w'áč'a d. (Nater Be nnnnnn) /	Lz *k: ^w ac:a <i>bitch /</i> WC *k: ^w əč:ə/*k: ^w əžə w.	NC 445 *kwǎžē bitch dog b *gwǎžē c (<i>wolf in WC</i>)
b [Kw w'áč'a : gwǎ̄j] c [k: ^w s : WC k: ^w əžə] <i>wolf</i>	NWk 287 *k: ^w s- <i>wolf</i>		
A different root: <i>mare</i>	UC 53 k ^w ó?̄s <i>mare</i>	WC *k: ^w əč:ə <i>mule, donkey</i>	NC 444 *gwǎžē <i>mare, d.</i>

Glottalization in SaWk (type C' < *RC) [cf. #36]

39 k^w Rk^(w) rkw mkU (?)

?[q ^w ak ^w : q:ärk ^w : Gěrkw]	NWk 325 *q ^w ak ^w - <i>peel off</i>	Lz *q:ärk ^w a <i>nut-shell, bark</i>	EC 455 *Gěrkwe/a <i>skin</i>
[qak' ^w : xak / xamk : qämkv] (-V < *-U ?)	UC 104 qák' ^w - (root) <i>bit, front teeth</i> (k' ^w < *mkU?)	Lz *x(a(m)k <i>picket, stake / Ts</i> *χɔg- <i>molar tooth</i>	EC 883 *qämkv <i>fang, m., stake</i> (AvA *χa/onχa/o /*q)

Note to the above: EC *qämkv may be *qämku.

Glottalized velars and labiovelars

40 k' Ók k'

[k'əm : Ókem] (<i>grab a handful</i> [EC also <i>armful</i>])	PS 41 *k'əm (Cr k'im) <i>grab a handful+</i>	Lz *Ókem <i>armful+</i>	EC 722 *k'ēmV <i>a., h.</i>
[k'əw : (r)ÓkĚw] <i>walk, go</i> (T92)	IS165 *kí/k'ñw-ñt w. (Ok k'aw <i>gone</i>)	Lz *?arÓkĚw <i>drive, go</i> / AvA *ÓkvB-	NC 267 *=Èark'Ěw <i>go+</i>

41 k'(^w) - Ók(^w) k'(w)

[k' ^w ə/in : Ók ^w in] <i>small bones</i> (redupl.: IS, Lezghi)	MC 17 S- k' ñn'- k' ^w ñn', stick-game bones MS 9 k' ^w n- k' k i id.	Lz *Ók ^w ini-j <i>ankle, knuckle-bone+</i>	NC 735 *k'(w)inV <i>small b., s. b. for playing dice</i>
[k' ^w íl (inv. ?) : líÓk ^w and k' ^w as : Ók ^w a-s] <i>burn</i> (T12)	IS:Sp k' ^w íl Sh k' l-es-t scorched (PS50 *k' ^w as)	Archi Ók ^w a-s < Lz *líÓk ^w a- <i>set fire, burn</i>	EC 632 *k'wV <i>burn (also set on fire)</i>
[k' ^(w) uk' : Ó(ÓkuÓÓk' <) Ók-Ók' / Ók'-Ók] (<i>stand on edge</i>)	NW 251 *k' ^(w) ú-k ^w /g ^w - stand on edge check	Lzhi ÓkuÓÓk ^w a < Lz *ÓkDa-Ók/ ÓkDa-Ók ^w <i>top, e., point</i>	NC 733 *k'wÈe- k' Èe <i>edge, point, corner (redupl.)</i>

42 k^(w) Ók(-? ^w) k'(-?)w

[k' ^w iy' : Ók ^w : k'fÈílw] <i>small</i> (T77a)	IS169 *k' ^w iy' / (?) q ^w sm. Cr k' ^w iy' Ka k' oy'	Lz *Ók ^w V- <i>small /</i> Nakh *ka-ķVH-	EC 726 *k'fÈílwV <i>small [diphthongization in Sa?]</i>
[c'k' ^w : č:ik': : žík'w]	NWk 160 *c'k' ^w - <i>short</i>	Lz *č:í[k]V/ AvA *č:ik' ^w V	NC 1108 *žík'wA <i>short</i>

Note, for phonetics: IS 168 [^w*k' ^wi_əl mountain] : NC 726 *k' ^wɛ̄w¹V mountain ridge (etc.)

Uvular stops in Sa and N(E)C (spirantization in Lz; cf. #48)

43 q χ q

[qak' ^w : χak / χamk : qāmkV] (EC -V < *-U ?)	UC 104 qák' ^w - (root) bit, front teeth (k' < *mkU?)	Lz *χa(m)k <i>picket,</i> <i>stake</i> / Ts *χɔg- <i>molar tooth</i>	EC 883 *qāmkV <i>fang,</i> <i>m., stake</i> (AvA *χa/onχa/o /*q)
[qam : Ts χt̪m] (both inv.) [qəmə? : Ts χt̪mV- r] <i>breast</i>	PS 84 *s-qam wo's b., <i>milk</i> Sg s-qəmə? (/Ts χt̪mV-rV)	Lz *moχo-r (female) b. (no inv.), old suff. *-rV	NC 829 *mōnqī <i>breast, bosom</i> (WC *mVq:a)

Spirantization in SaWk / voiced uvulars in N(E)C

44 Óx ń qv: q:l G G

[Óxəm : AvA qv:am < GēmH < NC HēmG] <i>bite</i>	PS 127 *Óxəm <i>bite</i> (inv. ?) (?/ NWk *Óxm-x - <i>chew...</i>	Lz *ʔeqv:i- <i>bite</i> (no inv.) / AvA *qv:am- b., <i>eat</i> (inv.)	NC 559 *HēmGĂ <i>bite</i> [> *q'ěmHĂ in AvA/SaWk ?]
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<*q'm-k - b. smth. brittle)			
[t̪x : Ts *r-X : I-G] (all inv. roots) <i>thigh</i>	Ld 149 =t̪xá? <i>thigh</i>	Lz *q:el <i>foot, leg</i> / Ts *r̪xi- la <i>thigh, hip</i> / Nakh *kōlu-	EC 455 *Gēlu / *lēGu (sub *Gēt̪u) <i>thigh, leg</i>
[f̪al : -qv:äl : -GÄl] <i>cut</i>	PS 134 *f̪i/al <i>cut (as hair)</i>	Lz *ʔiqv:ä(l) <i>clip, shear etc.</i>	NC 1019 *=VGÄl <i>cut,c.,s.</i>

Note to PS *Óxəm *bite*: Cf. NWk:Kw q'ěx'- b., q'ěm-x - b. *brittle things*

44a Óx ń qv: q:(I) wχ GHw/wGH wq

[Óxan : (Ran /k'lun<) q:lun] <i>arm</i> /arm, shoulder (T37) / [niÓx : NC nH̄wGH]	PS211 *-á[-]Óxan a. (side) / NWk 121 *niÓx- [act w. h./a.=] pull, pick up, carry	Burk Rān Tab k'lun < Lz *q:lun shoulder / Drg *naq:l hand, arm	NC 853 *GHwšnĀ arm, shoulder / NC *nH̄wGHĀ
[lax : lawχ : t̪awq] <i>many</i>	Be s-lax- <i>be many</i>	Lz *l[a]wχ <i>much,</i> m. / Ts *laχ:i <i>much</i> / Drg *-aqal	NC754 *t̪awqī / *ăwqīt̪ <i>many,</i> <i>enough</i>

Glottalization in Sa / spirantization in Lz (cf. #47 [2], #48 [2], and #49)

45 q' χ q

[q'ac' <*qac' : NC qārć'w] embrace / shoulder, arm	Sq nnn q'ac' embrace	Lz *χa(r)č side of body / Lk qač shoulder	EC 885 *qārć'w shoulder, arm
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Labio-uvular stops in Sa and NC

46 q w q(:) q(:) _qw Gw

[q w - / íuq w : q - /íuq w] to drink (T19)	PS 91 *q w uí /*íuq w water, to drink	Lezghi q w a-, A g uq- < Lz *íoq w a- d.	EC 221 *íu/Èo_qwV d.
[q w ay : And q w oj : qwĀ]	PS94 *q w ay blue+; yellow	Lz *qä-qV y./ A.*?vq: o-ji-	NC 414 *=ěqwĀ yellow
[q w -l-? : EC Gw-r?] grass+	Ld 192 (q w i-)q w ali? grass	Lz *q:ur stalk, some g. etc.	EC 472 *Gwřři st.,leaf+
[q w -m : q w än : Gwāñm]	PS 45 *q w em (/k w) heap+	Lz *q: än- a convex heap+	EC 467 *Gwāñmē h., stack

Note to the above: Cf. -m- (as in PS *q w em): Ts *χeme (/v:) small stack / Nakh *vāma haystack.

Delabialization in SaWk(Lz)

47 q (Wk q G) q: χ (Nkh q) qI q w qw Gw

[q-lÓx : q:-l-q: : _qw-t-q'] egg(s) [EC also grain] (note spirantiz. - Óx < -q'-)	CoS 148 *qñlÓx fish roe (=eggs)/ NWk 353 *qlÓx- lay e. (bird) *qlÓx-min e.	Lz *q:VIVq: egg > Rut ēπlπē / Drg *q:ulqvi roasted grain	EC 906 *_qwVtVq'V egg, grain
[qan/Gn : χ(o)n : qwāñ] female, woman, wife+	PS 84 *qanaí fa.'s mo.+/ NWk 340 *Gna/m f.. w. w.	Lz *χ on-p:V wo./women> Lezghi χnub /Nk *qin wf.	NC 900 *qwāñV wo., f. > Ts *vīnV/ Khin χin
[qal : qIal: : Gwātħ] hurt, angry, offence	[Th q]-il] BC qilix UC qeléÓx a. (type CVCVC)	Lz *qIal: o., anger/ AvA *v w VIV gossip, abuse	EC 465 *Gwātħo gossip, rumor, offence, anger
[c'iq : Ó%čäq : č'äqw]	NWk 160 *c'iq- scoop out	Lz *Ó%čäq w wd. jar, spoon	NC332 č'äqwä scoop, sp.

Partial spirantization in SaWk

48 q^w /Óx^w q:l^w X qu Gw qw

[q ^w /Óx ^w (a)n :	UC113 q ^w an u- <i>fear</i> , afraid /NWk Óx ^w n- <i>shake, tremble be</i> <i>nervous</i> (SED 54)	Ar =ql ^w in <Lz *íDaq:l ^w Vn- <i>t., sh.,</i> <i>be a. / AvA *éiéVn be</i> <i>nervous, shake</i>	EC 553 *=H̄DaGwan- tremble, be afraid
[wk Óxq ^w a : WC χaq: ^w / wk ÓxÓx ^w a :	NWk 380 *Óxq ^w a- /*ÓxÓx ^w a- <i>gather</i> <i>stones</i>	Lz *¼em½(a) <i>big</i> stone WC *χaq: ^w a >A. χahw s.	NC 1070 *¼emqwV̄ /*¼wemqwV̄ stone
Abkh χahw]			
[x ^w əl? : qu:l : Gwə l?] make a hollow / hole (etc.)	PS *x ^w əl <i>dig out</i> (etc.) sub PS 120 *x ^w əl	Lz *qu:l <i>hole, hearth</i> (etc.) / WC *B ^w V <i>hole</i>	NC468 *Gwə l?i hole, bur-row (AvA *q ^w irV dug-out+)
	[*x ^w ər]		

48a q/Óx (delab.) qI^w (Ts ¼^w) GHw

[q/Óx-c' : qI ^w -rč : EC GHw-lč (:Ts/Gin ¼ ^w -š)] stick+ [note c' < *RC]	PS124 *Óxñc'-ay' <i>log, stick, wood</i> Be Óx/qc'a id. / ? NWk:He Óxc'a'í <i>canoe</i>	Lz *qI ^w arč <i>stake,</i> <i>wedge</i> / Ts *¼ ^w ~e¾s:u <i>bar, (door)bolt</i> > Gin ¼i¾su	EC 459 *GHwÐal cV s., board, bolt
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Glottalization in Sa / spirantization in Lz (cf. #44 above)

49 q^w X(:) (Ts q) X^w q--w qw q(w)

[q ^w ic' : Ts q̄ic : qānc'w]	UC 120 q ^w íc' - <i>dirty</i>	Lz *χan Óc(a) <i>dirt</i> / Ts q̄ic	NC 884 *qānc'wV <i>dirt</i>
[ləq ^w : -lχ:- : lōq] <i>break</i>	MC 18 ləq ^w - <i>break,</i> <i>smash</i>	Lz *?alχ:Vn- <i>scatter+ ??</i>	EC 587 *HlōqVn- <i>destr., b.</i>
[q ^w eÓÓx ^w : AvA q ^w ar: NC rqwVr] <i>butcher / chop</i>	Ld 196 q ^w eÓÓx ^w <i>butcher (+ clean</i> <i>the fish)</i>	Lz *?irχ:w[a] (<*- qw-) <i>hit, hew,</i> <i>mow, tear off</i>	NC 580 *HřrqwVr chop+ (AvA *q ^w ar- <i>break off)</i>
? [q ^w eÓÓx- AvA q ar] <i>ask</i>	IS:Sh q ^w eÓÓx- <i>ask</i>	Lz *?erχ:w a (<*- qw-) <i>a.</i>	EC 604 *HerqwĂr <i>ask</i>

Glottalized uvular stops in Sa and Lz (uvulars or labio-uvulars in EC)

50 q' ḡ q: ḡI: q'hw q'(w)

[q'Óx ^w : ḡar : q'hwōr]	NWk 370 *q'Óx ^w - dust, dirt	Lz *ḡar dirt+	EC 916 *q'hwōr/V d.,turf
[q'(a)t : ḡaÓt : AvA ḡ:at ^w : q'a t'w] cut	Sp 74 q't scar NWk 371 *q'at- cut w/chisel 328 q' ^w t- scar (:EC – t'w-)	Lz *ḡaÓt cut, chop /AvA *ḡ:at ^w V cut, chop+	EC 915 *q'a t'wV board, chopped piece+
[q'iÓx : Lk ḡi- : Lz q:i] day	UC 112 q'iÓx- d. +Cw today	Lz *q:i today Lk ḡi- ni d.	EC 622 *Hwīq'V day
[?aq' : ?arql: : Harq'] become visible/ see, find	NWk 411 *?aq' (/h'-)) show up, become visible	Lz *?arql:ä- see, watch, look, be found	EC 547 *Harq'V(n) see, find (> Ts *=ḥeq- find)
[q'us : qvus] (to) paddle	NWk 368 *q'us- to paddle	Lz *qvusV[-jj] shovel, p.	EC941 *q'w̃swa wood. sh.

Delabialization in SaWk

51 q' ḡ^w (> Ag qv) q'w

[q'at ^w : qv Vl : [q' ḡ ^w] strap / rope etc.]	CS 149 *q'at ^w a carrying strap (Se headband of c. s.)	Lz *qv ^w VlV harness	EC 930 *q'wātV rope, saddle-girth
[q'ñn : (qvñn<) qv ^w - n] sew, needle (SaWk delab. as Ag; AvA)	Se q'ñn-ay needle Li s-q'ñn id. / NWk 362 q'n- sew, stich	Ag -uqvñan- s. / Lezghi aqv ^w an knitting needle < Lz *?i(l)qv ^w Vñ- sew+	NC637 *il_q'wñVn stick into, sew (AvA *qv. ^(w) in- [etc.] sew)

Glottalized labio-uvular stops

52 q'w Wk q',^w qv^(w) qv(:)vl^(w) q'(H)w q'w

[q' ^w um : qv em : EC hq'w̄em] head (T38)	PS 97 *q' ^w um I h., skull *q' ^w um II top+, horn / NWk 327 *q' ^w m- stick out+	Lz *qv em back of head, summit, top+ / Ts *qvom head	EC 494 *hq'w̄em̄v horn, head
[q' ^w um : qvam : NC hq'wām] hair (on h-d) (T36)	PS 97 *q' ^w um I hair	Lz *qvam plait, mane+	NC 931 *_q'(w)̄amí̄ñ hair
[q' ^w et : qvlunt : q'Hwənt] joint / knee, elbow	Th q' ^w et - Óx,əm' joint (2nd stem < q' ^w əm lump ??)	Lz *qvunt elbow	EC 925 *q'HwentV knee, elbow
? [q',əc : qvuc : q'w̄ic]	Kw q',əcí leather	Lz *qvucur leather sack	EC941 *q'w̄icVrV l. bag+
[q',ic' : qvl,aÓ³⁴c : EC q'Hw³⁴em³⁴c'] twist /bend	IS:MC 36 q',ic'- wring, twist	Lz *qv,a(m)Ó³⁴cV- to bend+	EC 925 *q'Hw³⁴em³⁴c'V hook, curved
[q' ^w eʒ : qv,erč : q'w̄erč']	NWk q' ^w eʒ- peg	qv,erč stick	EC 935 *q'w̄erč'Ā stick
[miq', : Ag maq:I < Lz mirqv:l,] (make) muddy/dirty	UC 84 mifq',i-roil, m. m. /NWk 77 *miq,- m./d. (w-r)	Lz *mirqv:l, rust, soot > Ag maq:I ^w , Kryz meq	EC818 *mH̄rq'wV dirt, r. (delab. in Nakh *mñ/ñāqvV)

? [t̄aq' ^w <*q' ^w at̄ /q' ^w aλ̄: NC q' ^w -t̄] to bend	Th t̄aq' ^w (root) bend over / SWk:M q' ^w aλ̄- to bend	Lz *?ilq ^w VI- to bend / AvA *qu:l / WC *q' ^w V id.	NC 637 *=il_q'wV(t̄) id.
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Deglottalization in SaWk

53 q^w q(:l), qu q'w q'w (WC G^w ə)

[q, _ə c : qv,vÓc] tail	Li q, _ə c tail	Lz *qv,vÓc goat's tail	NC 934 *q'wĀc'Ă tail
[q, _ə t : qvul : q'wěl?]	Ld 192 q, _ə táy? log, stick	Lz *qvula board, sm. plank	NC 936 *q'wěl?ă b. WC *G ^w ə
[q,u ¹ : -q'wV ¹] bent/d	NWk 324 q,u ¹ - bent	Lz *?iqv,V ¹ - to bend	NC 637 *=ilq'wV ¹ Av *qv:ul-
[niq, : něq'w] dirt(y)	NWk 121 *niq,- dirty+	Lz *näqv, earth+	EC 848 *něq'w+ e., dirt
[miq, : mirq:l, > maq:l,]	NWk 77 *miq,- dirty+	Lz *mirqv:l, rust> maq: ^w l	EC 818 *mHírq'wV dirt, r.

Fricatives

(Labio)velar fricatives in SaWk and EC / Voiceless laterals in Lz

54 x-w x^w λ^w (Av x^w) λ: (=Ts) x(w) xw

[x(ə)w : : λ : EC - xw- > Av x ^w -] trail / walk(ing)	? PS 118 *xəwal trail Li x ^w wat ^w , Th suff. =xwey(')	Lz *?iλ ^w e walk, go (aw.), come / Av x ^w á- w-, return	EC 864 *=IxwV go, walk, flow
[?yux : ?iλ: : Hímxw] know, learn, teach	PS 133 yux ^w used to, know UC 16 ?ux ^w ána- teach	Lz *?iλ:ā learn / Lk -ax:i- (suff.: Lk - n(u) / AvA -Vn-)	EC 574 *HímxwV l., teach
[x ^w n : λ:än: : xänf̥ > Khn xu / xtn] water	(Be x ^w n-al spring of water) NWk 294 *x ^w n-is cold s.	Lz *λ:än: w. / Ts *λ:ř/ Drg *xin / Khin xu, xtn	EC 1060 *xänf̥š water / HU:Hu *xijə w., river

Uvular fricatives in Sa / Glottalized voiceless laterals in Lz

54a Óx λ: h

[x-c : λ: -mč : h-mč] afraid / (to) fear, be afraid +	Ld 260 xéč afraid, scare(d)	Lz *λ:imč fright, be s-d / Ts *hřč- to fear, be afraid	NC 504 *hVm č'V Fear, fright.
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Uvular and other back fricatives, and ?

55 Óx χ: x

[Óx-m : χ:-m:] (inv.) (grab an) <i>armful</i> / <i>handful</i>	CS:UC 84 Óxími- <i>grab</i> <i>an armful / handful+</i>	Lz *χ:am: <i>armful</i> / <i>handful</i>	EC 819 *mHōχ† <i>handful</i> [see also #55a]
[caÓx : č(:)ax:l : čHax]	SWk caÓx- <i>leaking</i>	Lz *č(:)ax:l- wash, flow	EC 341 *čHaxV <i>be wet,</i> <i>f.</i>

55a ? (< Óx) χ x

[tawí? : t: ^w iχ] <i>child,</i> <i>son</i> (note -í? : Lz - iχ)	PS106 *taw[i?] <i>child+</i> (Cb twí?-t Sq -taw?)	Lz *t: ^w i(r)χ <i>son</i>	EC 407 *dwirχE <i>ch.,</i> <i>s.</i>
[m'-? : *m:-χ: : EC mH-χ] <i>(take a) handful</i>	UC 84 mó·?i- <i>(take a)</i> <i>handful</i> (:mó'-m'?, - mal)	[?Lz *m:ax: < *χ:am: <i>armful,</i> <i>handful</i>]	EC 819 *mHōχ† <i>handful</i> [same root: #55]

56 ŋ zero h h H

[p'ñac' : pi(l)c: : þñílc'w] <i>dung / mud</i> etc.	Sp 64 <i>loose bowels/</i> /Nkh *þhač: <i>horse's</i> <i>dung</i>	Lz *þic: / *þilc: <i>swamp, marsh</i>	NC 878 *þñílc'wə <i>dirt, mud</i>
[møc'(-t-) : malrš (AvA mač ^w) : mHärčw] <i>pus</i>	Cv mc'ñat-t (see PS 65 *møc'(-ul) <i>pus,</i> <i>matter</i>)	Lz *malrš pus / AvA *mač(^w)V <i>snot</i>	EC 816 *mHärčwV <i>pus, mucus, snot</i>
[mñal : Nk mñal : mhál]	Cv mñal Cr mal' <i>heat, warm</i>	Lz *manV w. / Nkh *mñal- w.	EC 807 *mhál/nV w.

Note loss of *ŋ in Sa: Cv c'an *tight* (IS162 *c'ən; MS c'an *press*) : Lz *ʔ/ñirčVn p., *squeeze* : Drg *=alčVn- : NC568 *Híč' Án *id.*

57 h þ/ʔ-h

[hæc' : hirč: : ^w hřežw] <i>tail</i> (c' < *rC) (T84)	NWk *hc/s- <i>tail</i> but cf. Kw hæc'əx He Oo hc'əx	Lz *hirč: ^w (/*ʔ-) tail	EC 529 *hřežwə <i>long hair, tail</i>
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Labio-uvular and other back fricatives, and ?

58 Óx^w Óx/ń (< *χw) χ(l:/) χ(:l)^w wχ χ(Ó)w χw wχ

[Óx ^w um / Óxim' : χl̥mχl̥ : AvA χ: imVχ (> Chd χumux) : EC χÓw̥mx] buttocks+ / cheek, buttock	CS 155 *Óx ^w um protruding [body] part (Ch s-Óx ^w úm-nč b-s) / NWk 378 *Óxim' - creep sitting [m' <*m-χ?]	Lz *χl̥(m)χl̥- buttock / AvA *χ: [i]m(V)χV muzzle+ > Chd χumux / Drg *χI ^w axI b. > Chir χluχI	EC 1072 *χÓw̥mxV cheek, buttock
[yə́ñ / ?iñ : *?eχ:l̥ : Nkh ?ah̥ : EC Hēmχw] to grind	PS 133 *yə́ñ / *?iñ grind+ also frequently ?ix to g.+	Lz *r-eχ:l̥ a<*r- HēmχwV g.+ / Nkh *?ah̥ / Ts *?aχ: θ-	NC 559 *HēmχwV to grind
[?iÓx ^w : ?eχ ^w : Hēχw]	PS21 *?i/aÓx ^w throw (away)	Lz *?eχ ^w a pour, scatter	EC 563 *=HēχwV id.
[?uÓx ^w : ?iÓx: : Ts uχ: ^w] go / go, come	Ld 22 ?uÓx ^w go (/? Be ?iÓxa foot, leg)	Lz *?iχ(:)e enter, come, go / Ts *=uχ: ^w - come	EC 666 *=iχwV (/q') go, come, enter
[maÓx ^w : mVwχ : mōwχ] fir / wool, thread, string	? NWk 83 *maÓx ^w - douglas fir (> maw'-a-)	Lz *mVwχV-r string, rope	EC 832 *mōwχē wool, (woollen) thread

59 Óx^w / ń^w / ġ^w Óx ?-[w] h ?l Ó--w Ów

[Óx ^w -c/ʒ : NC h-žw] sharp [Wk ʒuÓx ^w : *žüħw] : NC h-žw	Ld 270 Óx ^w əc/ʒ sharp / NWk (inv. ?) *ʒuÓx ^w - id.	Lz *?eč ^w a- to sharpen, whet(stone)	NC 531 *ħüžwā sharp, to sharpen
[Óxñl-Óxal̥ : hal̥ : ÓwĒaÓl̥] hal̥ : ÓwĒaÓl̥	UC161 ÓxñlÓxal̥[-]]s- arrow	Lz *ħal̥: a. / Ts *ħel̥/r	EC 533 *ÓwĒaÓ ¹ /IV a.
[m-ń ^w / Óx ^w : meħ : -mēÓw] wet+, flow	Sp 53 moʔ (moñ ^w) flow, be a river / NWk79 *mÓx ^w - wet, damp	Lz *meħ whey, w.+ / Drg *m/neħ wh. / Lak muħali stream, rapid brook	EC 538 *ÓwmēÓwā moisture, lake, pool [but cf. stream in Lak]
[míġ ^w : maʔl̥ : māħw] fat, grease	Th mīġ ^w ey grease	Lz *maʔl̥ f. (n.) /*maʔl̥i-	EC 794 *mă/ħħwV fat, grease (> Khin mi fat)

60 Γ^w (>w) γ^w ? $\hbar w$ γ^w

$\Gamma^w / \text{wə} \overset{w}{\text{Ó}} \text{x}$: EC $\hbar \text{wim} \overset{w}{\text{Ó}} / \text{s-}]$ lace up / lace (EC -U ?)	IS 202 * $\Gamma^w / \text{wə} \overset{w}{\text{Ó}} \text{x}$ lace up	* γ^w im: lace (etc.)	EC 506 (Lz / Lak only) * $\hbar \text{wim} \overset{w}{\text{Ó}} / \text{sV}$ string, lace
[$\text{lə} \overset{w}{\text{ñ}}$: EC $\text{t-e?} / \gamma^w$] come off (as skin) / skin	PS 53 * $\text{lə} \overset{w}{\text{ñ}}$ come off (as skin/bark), also in bark	Lz * lə? skin	EC 755 $\text{t-e?} / \gamma^w \text{nɪ}$ skin (of animal)

Table of Basic Words

The following table (left: SaWk; right: Lz <N(E)C) is a part of a comparison, tailored to the 'basic 100-word list'

3 BARK PS 79 * $p' \text{alan}' / y'$ tree-bark [* $p' \text{al-laní}$ (IS:MC p' al' an Th p' eý en MS p' ñlñyí-)	Lz * parqv:ul: bark+ < EC 865 * $\text{pan}_G \text{VlhV}$ (/Ó) bark (also leaf+) [? PS <* palhVn_G -]
5 BIG, MANY I SWk * $\gamma^w \overset{w}{\text{ó}} \text{x}$ - big (NN120) II CS:Ld 109 hik $\overset{w}{\text{big+}}$ (deglossed, [? <*hi(n)k ^(,) w-])	I Lz * $\text{naqv} \overset{w}{\text{V-}}$ m. < NC594 * $\text{HnDaq} \overset{w}{\text{EV}}$ b., old II Av *-HiÓku- < AvA *hinÓka- b. > Tind hiÓka- b.
7 BITE (v.) PS 127 * $\overset{w}{\text{Óxñm}}$ [PS $\overset{w}{\text{Óx}}$ matches NWk $\overset{w}{\text{Óx/q'}}$] / ? NWk361 * $q' \text{m-k}$ - b. smth. hard/brittle 374 $\overset{w}{\text{Óxm-x}}$ - chew... (Kw 45 $q' \text{ex'-}$ b., $q' \text{ém-x}$ - b. brittle things)	Lz * leqv:π- b. <NC 559 * $\text{Hēem}_G \overset{w}{\text{EA}}$ b. / [* GēemHēA] (>AvA * $qv:am/n$ - b., eat / Khin $qv:tn$ e.)

8 BLACK NWk 162 * $c' \overset{w}{\text{ú}} \text{l-}$ black (:Kw 68 $c' \overset{w}{\text{ú}} \text{-c'} \overset{w}{\text{æl-}}$)	Lz * $\overset{w}{\text{Ó}} \overset{w}{\text{çu/oIv}}$ < EC 556 * $\text{H} \overset{w}{\text{ç}} \text{c'} \overset{w}{\text{Eolv}}$ black
9 BLOOD+ PS26 * cay b. * $ci \overset{w}{\text{æ}}$, * ci/aq bleed (IS:Sp	Lz * $\overset{w}{\text{Ó}} \overset{w}{\text{çcVA}}$ V alive, lively, animated [Udi $q < * \overset{w}{\text{æ}}$]

10 caÓx ^w <i>blood</i> Sh cəy ^w - CS: Sq ciÍ-, ciÓx ^w - Ld c ¹ - bleed, cñ ¹ - breathe in compnds, co caÓx blood-colored)	< EC 376 * c ÉafLwV blood, life [cf. 41]
10 BONE PS 30 *c'Óu/Óam (Cb Ós-c'Óam') [different: *c'u/am suck (Cb c'əm'-); see note]	Lezghi Ócum < Lz *Óc ^w Đam shin-bone+ < EC 555 *H_c'wÈejmñ leg bone
? 12 BURN [PS *k'íl b. (Sp k'íl scorched+)] Sh k'í-es-t s-d Cl ^w k' ñl-us hot sub PS 50 *k' as hot+ (burn in Cw, Ms, Ch; Cw k' ^w ε?-l-əs warm [see Sq 345])	Lz *ílÓk a- set fire, burn (Archí Ók a-s) < EC 632 *=ÈikwV burn (also set on fire)
15 COLD IS: Sp c'er- cold Cr c'ar feel cold ...; PS 29 *c'Óu/Óal [*c'u/ar] c.; ? UC 32 c'íÓx-	[Lz *Ó¾cur]<NC393 *¾c'wErHV c. [:419 *=æc'òr freeze] / Lz *ruÓ¾c hoar-frost < NC *rHE¾c'wV cold (inv.)
15a COLD SWk *m'ał- or *m'ał- (No) [cf. NN 121]	Lz *meÓfλ <EC808 *mhēłλ'e c. (> Nakh *m(j)il- get c.)
18 DOG+ CoS: UC k"ó?s bitch [:Be 64 wac' d. (<Wk?)] / NWk 315 *w'ás- dog (Nater: Kw w'áč'á He ?was- d.)	Lz *k:wāč:a bitch <NC 445 *gwăžē bitch, dog (> Lak k:ač:i dog / WC *k:wāč:a, *k:wāžə wolf)
19 WATER, TO DRINK PS 91 *q ^w uí / *íuq ^w (+)	Lezghi q ^w a- Ag uq-<Lz *íoq ^w a-<EC221 *íu/Èo_qwV d.
21 EAR PS 206 *= ani/aí ear (side)	Lz *?lam: <EC 239 *awan <u>ɛ</u> V ear (> AvA * <u>an</u> -)
? 23 EAT PS 16 *íi(t)n eat (IS: Cr -iln food) (Be root ?a ¹ -)	Rut =ile- <Lz *íi-íwĐal- eat <EC 625 *=i-wVl e., feed on+ (> Ts *hell- > Gin hil- / *hehn- bite)
? 24 EGG CoS 148 *qñlÓx fish roe (=eggs) / NWk 353 *qlÓx- lay eggs (about a bird) *qlÓx-min e.	Lz *q:VlVq: egg (Rut èπlπè) <EC 906 *_qwV¹Vq'V egg, grain (> Drg *q:ulqvi roasted g.)
25 EYE Be 57 ?a ¹ - look at; -u ¹ e-s Sq 268-9 -áy? id. UC 362 =ál=us eye / IS: Sp 7 ?ul meet Li 27 hál'a be visible PS 116 *way id. Ld wñl íl Se wil/í peep	Rut ul, Lezghi wil <Lz *íwil<NC 250 *-wÈil-i eye (> Ts *ɔre / Drg *ɔuli)

25a EYE, LOOK CS:Se 30 c'íl- l. for; 14 cám- eyebrow (*eye +*hair as Lz) co:- tear <*eye-water	Lz *Ócil- < EC *c'ÉilV eye (not eyebrow); also *c'alV a) c'V-; b) c'VL-
26 FAT, GREASE IS:Th míč ^w ey	Lz maʔl* f. (n.; obl. *maʔl̥i- >Tskh maji-) < EC 794 *mă/óñwV f., grease (> Khin mi fat)
29 FISH PS 24 *ci ¹ [-]n fish, food	Lz *Ó ³ ceθA(:) <EC 333 *_ ceA'V /*f_λ`e cV f.+ (Ts *fλ ¹ θ ³ ce)
9a FISH PS 35 *hñññw/y hump-back salmon put eS:Ms həwn? Cw ha:ín CK h ñw:lñy-e; IS:Li haní?)	Lz *χl:an: fish < EC 1078 *_λwan ₁ V fish (> Lak ₁ awa)
3 GIVE CeS:Se yat- <*í/yat? [cf. PS 132 *?iq ¹ /*yəq']	Lz *ÍVtV- < NC 1034 *=Vt̄EV give [Sa ?y < *?]
34 GOOD IS 198 *Óxñs(-t) (sp Óxes, Óxis)	Tab užu<Lz *lí ³ c:V<EC 248 *-a ³ QV g. (Ts * ~o ³ ze)
34a GOOD NWk 404 *?ik- good, nice, well, fine	Rut jigi- <Lz *juk:i- <EC643 *=řnkwV / =řkwVn right, good (> Ts *=i ³ gV >Tsezi =igu good)
36 HAIR (ON THE HEAD) PS 97 *q'wum I [‡ 38]	Lz plait, mane+ <NC 931 *_q'(w)̄EamířEñ h.
? 37 HAND, ARM+ a) PS211 *-á[-]Óxan a. (side) / b) NWk 121 *niÓx- [act with h., a.:] pull, pick up, carry	a) Burk Řan Tab řIun <Lz *q:lun shoulder <NC853 *GHwřnā a., sh. b) *nHřwGHā (> Drg *naq:l h., a.)
38 HEAD PS 97 *q ^w um I h., skull *q ^w um II top+ (horn in Cv) / NWk 327 *q ^w m- stick out, be taller	Lz *qv̥ em back of head, summit, top+ < EC 494 *hq'w̄em̄Ev horn, head (> Ts *qv̥om head)
39 HEAR, LISTEN PS 41 *k'ál l.+ (hear in CeS, IS:Cr)	Lz *=ři(r)ki(r)- h. <EC 650 *=i(r)kVl l. (>Khin kl-i h.)
41 HORN PS 115 *wa/inaíw h., antler (:Be 64 wifλ'aÓx a. / Kw wufλ'aÓx a.) NWk 301 *wfλ'- aq have antlers	Lz *woÓfλu-l head (>Tsakh wuqvul) < EC 1041 *w̄Eenfλ'V(-l̄EV) beak, horn, head

42 I PS *-c(a)- / -s (or sim.) / SWk *-s id.	Lz *zo-n <NC 1084 *zÈo I (> Nakh *sÈo /WC *sA)
47 LIE IS *Óxñr lay evenly CeS:Se ÍaÓx(-ic) lie down	Tb aχ- Bd =½ar-<Lz *Ía½ðar sleep <NC 273 *=a½Vr l.+
48 LIVER NWk220 *lq'- in Ha l'G-is [not to *lq'- be]	Rut laq' l. <Lz *laÓx- <EC586 *Hlää'V [q' < *χ']
? 51 MAN IS 169 *law-a? man's fa. ('s bro.) Sh léw'e uncle Cv l?iw man's fa. ; Ti lə?éh fa. of male	Lz *λ:iV- male, man < NC 749 *liwŁE male, man (>Nakh -law suff. of profess.; Chech. -lo id.)
? 51a MAN+ PS 67 *s-m?al fa. 's bro. (IS:Sp s-me?t)	Lz *morλ:łi man, male <EC 830 *mōrŁV male [?er]
? 53 MEAT CS 146 *mayac [also frequently deer] (Sq s-mic m. Ti wiyc belly) / ibid. NWk:He miás m., flesh	Fit wic Ag bec <*wec, jac ^w < *jawc < Lz *jamc ox < NC 680 *jə mcō bull, ox
60 NIGHT CS:Ld 143 ḫaÓx night, dark(ness)	Lz *ʔeλ:a evening, late < NC 216 *ʔlēλă n.> Lk x:u (< *IVx:u < *IVuλ:u) n. / WC *λ:Vλ:V n.
62 NOT PS *taí, CoS:UC tay-	Lz *t:V- not <EC 404 *dV neg.
65 RAIN SWk:No m'ifλ-, m'ifλa' raining	Archi moλ / miλi <Lz *marλ, rain <NC 795 *märfλwĂ (r.)cloud
69 ROUND+ PS [*y/h/Ínr (*i)] (IS:MC y ñrr., spherical, Sp y ır r., circle / CoS:Be líl go/pass by, go around; yal-½/q' roll / Sq h ıl- id.) cf. PS 130 *yÓñl, *yul, *hñyl roll, round+ [y/- : Lz ?-]	Lz *írë,Đa (/q:,) turn around, roll, be round (Rut ruë,a-s) < EC 650 *=irëwV roll, turn around (> AvA **=iē, /*ë,ir- to fly, glide, roll / Drg *lië(,) spin/turn around)
70 SAND IS 164 *c'ñÓx ^w s., gravel (but Sh c'ñy-) MC 7 c'a/íÓx ^w s. / CS 139 *c'iÓx s., g. (UC c'aÓxé?g)	Lz *¾c:il earth+ < EC 342 *¾cHĐa¹u e., ground, sand (> Lak š:allu, š:al e., ground)
? 71 SAY PS 23 *?aΓ ^w , *?aw call [Γ ^w : Lz ?I ^w] IS:Ka ?áu name MS 60 ?aw say [?aw < *?w]	Lz *?i?I ^w i- s. < EC 625 *=?wV say (>AvA *?Vb- s. > Avar ábi- [b<*w])
72 SEE CoS:UC ÍnÓx, Ía-ÍÓx-n / ? NWk 411 *?aq- Ha h'laq'- [Ílh'aq'] show up, become visible	Lz *Íarqvł:Đa s., watch, look <EC547 *HÈar_q'V(n) see (> Ts *=iç-/Drg *=ahl-)

72a SEE, LOOK (FOR) PS 62 *fλ'ñí <i>go after, l.f.</i> IS:MS -fλ'aí-us-tn <i>eye-sight / UC 76 fλ'i evidently</i> Ld 150 <i>fλ'aí</i> <i>bec. aware of, notice (s-fλ'aí nobility+)</i>	Lz *l-ifλ:[a] to <i>look</i> < EC 209 *lí_fLV to <i>look</i> (>AvA *Ófλ:V(n)- id. / Nakh *(t)-all-explore(r), <i>check, hunt(er)</i>)
? 72b SEE, (BE) AWAKE IS:MC kʷáxʷ- a., wake up / swk *kʷa·Óxi <i>be in view, visible [?<*gʷa-gʷa-]</i>	Lz *?ak:ʷ-ä- <i>see...</i> <EC 255 *=agwV s. (>Drg *gʷ- to look / Lak kʷa=kʷa- s.)
74 SIT CoS:UC 55 kʷaʔ s. (root) CeS:Se 32 kʷá-t put down, <i>set</i> / NWk 291 *kʷá- sit; SWk *kʷa- seated [NN]	I Lz *?iqv̥ä- <i>sit, set</i> < EC 647 *=iq'wV <i>sit, be</i> (> II AvA *=iÓkʷ - <i>be, sit</i> / Lak =iÓka- <i>id.</i>) /
75 (TO) SKIN PS 203 * =ic'aí hide IS:Li – ic'a skin CS:Be -ic' skin, bark+; take off clothes	Lz *íar¾c:a <i>take off, peel (skin)</i> <EC 265 *=Èar¾c'V <i>to skin</i> (>Ts *=i¾c- <i>peel, take off skin</i>)
? 75 SKIN+ CeS 53 *s-léway' (<i>inner cedar bark</i> (:Sq léway?); cf. IS:Th s-léwe-c' treebark [sub PS53 *ləw/Γʷ]	Lz *leʔ <i>skin</i> (obl. *leʔi- Ag leʔu-) <EC755 *leʔwnt <i>skin (of an animal)</i> (> AvA *lVbV <i>sole, Av láb-ci id.</i>)
77 SMALL MC41 t'aΓʷ- <i>little</i> [not to MC 41 tw'í-t boy]	Lz *Óti- s.; <i>l. finger</i> < NC1001 *t'iHV s., <i>l.</i> (> WC *Óta)
77a SMALL IS169 [?] kʷv̥y̥əy (/qʷʷ) Cr kʷ iy̥ Sp kʷ y̥	Lz *Ókiʔʷ V- <EC 726 *k'fÈíwV s. (> Nakh *ka-kVH-)
81 STONE CoS221 *k'əfλ'aʔ s., <i>rock</i> / NWk243 *k'ɬ- s.	Lz [b] *ÓkVI- (Ag Ókele-)/[a] *ÓfλVI- s. <EC 773 [a] *fλ'äň s. (<i>rock in AvA</i> *ÓfλalV)
81a STONE NWk 380 *Óxqʷ- /*ÓxÓxʷ- gather stones [precise match: Óxqʷ- / WC ḫaq:ʷ-; ÓxÓxʷ- / Abkh ḫahw]	Lz *¼ em¼(a) <i>big stone</i> < NC 1070 *¼emqwV / *¼wemqwV s. (> WC *᷇aq:ʷ <i>ə> Abkhaz ḫahw stone</i>)
84 TAIL NWk 385 *hc/s- (He Oo hc'Óx-, Kw [hñc'ñÓx-])	Lz *᷇πr¾c: t.+ < EC 529 *Ór¾e_ Ωw¾ñ t. (+long hair)

85 THAT 86 THIS IS:MS ?é this / SWk *?a- that	Lz *?i demonstr. pron. < NC 214 *?i this Lz *?a demonstr. pron. < NC 218 *?ó that
85a THAT 86a THIS Sq 265 ti this	Lz *tV dem. pron. < EC 993 *Tv that
87 THOU IS:MC -wi; CS:Sq 48, 311 nəw (etc.)	Lz *Éuo-n <NC 1014 *ÉuÈo (> Nakh *waj / Khin wi)
90 TREE, BRANCH CO c'l-c'al timber (cf. sub PS 28 *c'ñl stand; trees) / swk *c'a¹ branch	Lz *Ócal branch, shoot < NC 362 *c'Èñ¹V tree, branch (>WC *Ócña tree)
? 91 TWO CoS 220 *nwas (Be t-nus); Li ?á-n'was	Lz *nušaj/*niwšaj 2-y.-old sheep <NC 845 *năwši two
92 WALK, GO IS165 *kí/k'ñw-ñt w. (Ok k'aw gone)	Lz *?arÓkÈw < NC 267 *=Èark'Èw go+ (> AvA *Ókvb-)
93 WARM a) IS:Cb mÓal' C _v m̄al / ma?l C _x má?l' (PhM 230) / b) ? NWk:He mánís bask in the sun	a) EC 807 *mhÈalV warm (>Nakh *mÓal- w.+) b) Tab mani < Lz *manV warm < EC 807 *mhÈanV
95 WE PS *-¹V (or sim.) (CeS:Ld -a¹i, etc.)	Lz *Lä-n <EC 786 *Lä we (incl.) (> AvA *?iλ:i)
96a WHAT NWk 89 *m'á [?əmá]; 98a WHO	Lz *mo-sa when <EC843 *mV interrog. >AvA *?i-mV who
99 WOMAN a) CoS 142 *s-¹an-ayí (Sm s-¹ enií) UC356 -1n' b) Be 43 xna-s w. CeS:Sq 397 -šn (š<*x) girl	a) Lz *λ:in:(-ol) w., f. < EC 762 *λnÓV w., f. > b) Lz:Tsakh xuna-š:e id. (/EC:Drg *x:un(-ul) w.)
? 99a WOMAN, FEMALE PS 84 *qanaí fa.'s mo.+ / NWk 340 *Gn- f. Kw [Gən-]ñm] f., woman, wife, d-r+	Lezghi x̄nub < Lz *¼on-p:V woman, women < NC 900 *qwÈDanV woman (>Nakh *qin wife)
100 YELLOW PS 94 *q ^w ay blue, green+; also yellow	Lz *qä-qV- y. /And *?vq: o-ji- <NC 414 *=ěqwĀ yellow

Note to #100: *blue* < *yellow*.

The above table will certainly be modified: some sets will be dropped, but more sets will be added. But it is already clear, that there more than 50 sets which genetically link Sa-Wk and Lz (all < EC/NC) sets.

We may also easily expand our SaWk—N(E)C comparison by including into it many data from EC/NC languages, other than Lz.

As for the problem of borrowings from Sa into Wk and vice versa, there are not many such borrowings in the basic list of 100 words/roots. In any case, both Sa and Wk are clearly related to Lz and other NC languages very closely.

Basic Literature

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