

A.H. KUIPERS

A Dictionary of

Proto-Circassian Roots



A D I C T I O N A R Y O F
P R O T O - C I R C A S S I A N R O O T S

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A C K N O W L E D G E M E N T S

This basic Proto-Circassian dictionary was written as a contribution to a continuing program in describing and analyzing the North-West Caucasian languages and in reconstructing the proto-language. The Abkhaz and Circassian (Sapsug) parts of this program have been and are being supported by the Netherlands Organization for the Advancement of Pure Research. The University of Leiden has made it possible to attract Sapsug and Abazinian consultants. To both these Institutions warm gratitude is due.

The material presented here was originally intended for internal use. The Peter de Ridder Press has kindly suggested to publish it in offset form. I welcome this opportunity to give it a wider distribution. I hope it will be of some use to colleagues elsewhere. Their suggestions and criticisms are invited.

I very warmly thank Mr. Rashid Dahabsu of River Edge, New Jersey, U.S.A. for his untiring assistance in providing Bžedux material, and also Mr. Nazim Met of Utrecht, The Netherlands for helping out with Sapsug forms.

I hope this booklet marks an advance along the road mapped out by N.F. Jakovlev in his 1927 Materialy dlja kabardinskogo slovarja. I know this remarkable linguist was mentally incapacitated and could not be visited in 1962 when I was in Moscow. Today I do not know whether to dedicate this contribution to him or to his memory. But l'homme c'est rien, l'oeuvre c'est tout, and his work is alive and will continue to be.

To N. F. Jakovlev

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I N T R O D U C T I O N

PURPOSE This dictionary of Proto-Circassian elements is meant to be a contribution towards establishing strict sound-correspondences between the North-West Caucasian languages: Circassian, Ubykh and Abkhaz. A reconstruction of the Proto-Circassian sound system was carried out by the author in 1963 (see references at the end of this introduction). The next step, taken here, is to present a large number of elements for which the Proto-Circ. form can be established. These will allow comparison with Ubykh and Abkhaz.

CIRCASSIAN Circassian falls into two distinct dialect-groups, each served by a literary language: West Circassian (adygejskij jazyk) and East Circassian (kabardinskij jazyk). For our purpose the most important W. dialects are Bžedux, Šapsug and Temirgoj, the literary dialect; of the E. dialects, the literary Kabardian is better known than the phonetically richer Beslenej.

SOURCES The sources used for this dictionary consist of Bžedux field notes collected in the 'fifties with the collaboration of Mr. Rashid Dahabsu, of the dictionaries of the literary languages which have appeared since then, and of a few dialect vocabularies. Additional information was supplied in 1975 by Mr. Dahabsu by letter and by Mr. Nazım Met (Šapsug) through the intermediary of Mr. H.J.A.J. Smeets.

LIMITATIONS The dictionary is limited to items of the types CV and CVCV, where C stands for a consonant(-cluster) and V for a or e. The units CVCV presented encompass all unanalyzable cases that were found, and a number of analyzable ones. The latter were included for a variety of reasons: they contain unique components, have unpredictable meanings, demonstrate the use of bound forms, etc. Only stems are listed, including bound forms but to the exclusion of grammatical affixes. The material is further limited in that, besides field notes, it is based on a perusal of the Circassian-Russian dictionaries, the Russian-Circassian ones being checked in individual cases only. A third limitation is imposed by the available material itself: only such items are given the reconstruction of which is uniquely determined.

RECONSTRUCTION For a reconstruction it suffices in general to have the Bžedux and the Kabardian forms; where the two are in one-to-one correspondence a single form suffices. However, the dictionaries of the literary Temirgoj dialect contain many items not represented in my Bžedux material, and in Temirgoj the voiceless aspirated (p^h, š^h, etc.) and unaspirated (p:, š:, etc.) plosives and fricatives have coincided. In the case of the plosives, the a-

vailability of a Kabardian cognate allows a reconstruction, as in Kabardian p: has coincided not with p^h but with b, t: with d, etc. Hence the Temirgoj/Kabardian correlation p/p points to *p^h (Bžedux p^h), the correlation p/b to *p: (Bžedux p:) and b/b to *b (Bžedux b). In the case of the fricatives no reconstruction is possible without the Bžedux form, cf. the Temirgoj/Kabardian correlations š'/š (Bžedux š^h' or š:') and š/š (Bžedux š^h or š:). On the other hand, in Bžedux and Temirgoj the velar plosives (k-series) have coincided with the palatalized palatal ones (č'-series), and here a Kabardian (or Šapsug) cognate is required, cf. the Bžedux-Temirgoj/Kabardian correlations ž'/g or ž, č'/k or č, etc.

PROTO-CIRCASSIAN PHONEMES

For every Proto-Circassian phoneme the conditions for its reconstruction can be stated in the above way. These conditions will also follow from a statement of the original sound system and of the developments resulting in the dialects on which this study is based: Bžedux, Temirgoj and Kabardian. The Proto-Circ. system of consonants -- more precisely, of uniconsonantal segments C(a) -- is given below, the feature a being disregarded. I agree with Balkarov (1970:258) that the units written *ʔ, *ʔ° in 1963 are better ranged in the uvular series as *q̣, *q̣°. There is no Circassian evidence, however, for either voiced uvulars (pharyngals in Balkarov's terminology) or unrounded alveolopalatal affricates (*ibid.*).

Labials	p ^h	p:	b	p̣			
Dental Stops	t ^h	t:	d	ṭ			
Dental Affricates	c ^h	c:	ʒ	c̣	s	z	
Alveolopalatals					ʃ	ʒ	ʃ̣
Id., labialized	ç ^h °	ç:°	ʒ°		ʃ°	ʒ°	ʃ̣°
Palatals, palatalized	č ^h '	č:'	ʒ'	č'	š ^h '	š:'	ž'
Id., plain	č ^h	č:		č	š ^h	š:	ž
Laterals					λ	l	λ̣
Velars	k ^h	k:	g	ḳ	x	g̣	
Id., labialized	k ^h °	k:°	g°	ḳ°	x°		
Uvulars	q ^h	q:		q̣	χ	g̣	
Id., labialized	q ^h °	q:°		q̣°	χ°	g̣°	
Pharyngal					ħ		
Others: h, y, w, m, n, r							

DEVELOPMENTS

The following abbreviations are used here and in the dictionary: B(žedux), T(emirgoj), Š(apsug), K(abardian), Be(slenej). As the overwhelming majority of the reconstructions are based on B, T and K, we treat only these dialects here, with an indication of Š features only insofar as they have been made use of (in the absence of K data).

B T K *q̣, *q̣° > ʔ, ʔ° (parlers of Š preserve q̣, q̣°)

B T *x° > f (except in šx°, preserved in T, > šk:° in B)

*čh', *čh > šh', šh (merger)

*k^h, *k:, *g, *k' > čh', č:', ʒ', č' (merger for the latter three; the shift *čh' > šh' antedates *k^h > čh')

T All voiceless-aspirated and -unaspirated conss. merge (*p^h, *p: > p, etc.)

*q^h, *q: > q; *q^h°, *q:° > q°

K Voiceless unaspirated plosives merge with voiced ones (*p:, *b > b, etc);

*q:, *q:° > q̣, q̣°

*ç^h°, *ç:° > f; ʒ° (< *ç:°, *ʒ°), ʒ° > v; ʒ̣° > f̣

Aspirated fricatives merge with voiceless unaspirated ones (*š^h, *š: > š, etc.)

Plain and palatalized palatals merge (*š', *š > š, etc.)

č (< *čh', *čh) > š; ʒ (< *č:', *č:, ʒ') > ž; š (< *šh', *š:', *šh, *š:) > š; *č' (< *č', *č') > č̣

Š, like K, merges the plain and palatalized palatals and preserves the velar plosives. Some parlers of Š, including that of Mr. Met, where the other aspirated and unaspirated consonants coincide (as in T), retain the distinction of *q^h, *q^h° versus *q:, *q:° in the form š, š° versus q, q°, the aspirated members having merged with the corresponding voiceless fricatives. Both these characteristics of Š have been used in some cases where a K cognate was lacking.

LIST OF PROTO-CIRCISSIAN SEGMENTS

Complexes CV are regarded as the phonetic units of reconstruction. Where C is a cluster, the non-final members have no independent laryngeal articulation, and in reconstructed forms they are written with capitals. The majority of biconsonantal segments contain an initial P (33x), less common are T (7x), Š (5x), ʒ (5x), occasionally we find S ʒ° Š' Č L. In the list of reconstructed segments we disregard the feature a (and e is non-phonemic on the level of morphemes; in the dictionary it is written to facilitate reading). The order of the list is from front to back (labials, dentals, etc.); this same order is used throughout the dictionary. Biconsonantal cases are ordered according to their final element (*Px, *Tx after *x, etc.) except for the segments with *-q̣, *-q̣° (see comments below). With each reconstructed segment the Bžedux/Kabardian correspondence defining it is given. (List see p. 6)

The segments *Pq̣, *Pq̣° are given with *p̣ (4), the segment *Tq̣° with *ṭ (14) and *ʒq̣ with ʒ̣ (29). In all these cases there is an historical development of the type Pq̣° > Pʔ° > p̣° > p̣, one dialect often having alternative forms in individual words. The segments *Pč and ʒ°č are given under one heading (20) because the distinction is limited to Š and the data are conflict-

1. *p ^h	p ^h /p	31. *ç ^h °	ç ^h °/f	68. *k ^h	č ^h °/k	104. *q ^h °	q ^h °/q°
2. *p:	p:/b	32. *ç:°	ç:°/v	69. *k:	č:°/g	105. *q:°	q:°/q°
3. *b	b/b	33. *z°	z°/v	70. *Pk:	pč:°/bg	106. *q°	q°/q°
4. *p̂	p̂/p̂	34. *s°	s°/f	71. *g	ž°/g	107. *x°	x°/x°
*Pq̂	p̂/p̂	35. *z°	z°/v	72. *k̂	č̂°/k̂	108. *Pč̂°	pč̂°/pč̂°
*Pq̂°	p̂°/p̂°	36. *ŝ°	ŝ°/f̂	73. *Pk̂	pč̂°/pk̂	109. *Tč̂°	tč̂°/tč̂°
5. *t ^h	t ^h /t	37. *č ^h °	š ^h °/š	74. *Šk̂	šk̂°/šk̂	110. *Sč̂°	sč̂°/šč̂°/sč̂°
6. *St ^h	st ^h /st	38. *Pč ^h °	pš ^h °/pš	75. *x	x/x	111. *ĝ°	ĝ°/ĝ°
7. *Š ^h t ^h	š ^h t ^h /št	39. *č:°	č:°/ž	76. *Px	px/px	112. *Pĝ°	bĝ°/bĝ°
8. *Št ^h	št ^h /št	40. *Pč:°	pč:°/bž	77. *Tx	tx/tx	113. *ñ	ñ/ñ
9. *t:	t:/d	41. *z°/	z°/ž	78. *Š ^h x	š ^h x/šx	114. *Tñ	tñ/tñ
10. *St:	st:/s(t)	42. *Pz°	bz°/bž	79. *Šx	šk:/šx	115. *Sñ	sñ/sñ
11. *Š ^h t:	š ^h t:/št	43. *č̂°	č̂°/ŝ°	80. *ĝ	ĝ/ĝ	116. *Lñ	lñ/lñ
12. *Ŝ°t:	ŝ°t:/ft	44. *Pč̂°	pč̂°/pš̂°	81. *Pĝ	bĝ/bĝ	117. *h	h/h
13. *d	d/d	45. *š ^h °	š ^h °/ŝ°	82. *k ^h °	k ^h °/k°	118. *y	y/y
14. *t̂	t̂/t̂	46. *Pš ^h °	pš ^h °/pš	83. *k:°	k:°/g°	119. *w	w/w
*Tq̂°	t̂°/t̂°	47. *š:°	š:°/ŝ°	84. *g°	g°/g°	120. *m	m/m
15. *c ^h	c ^h /c	48. *Pš:°	pš:°/pš	85. *k̂°	k̂°/k̂°	121. *n	n/n
16. *c:	c:/z	49. *ž°	ž°/ẑ°	86. *Tk̂°	t̂k̂°/t̂k̂°	122. *r	r/r
17. *Pc:	pc:/bz	50. *Pž°	bž°/bẑ°	87. *Šk̂°	šk̂°/šk̂°	123. *PS ^h t ^h	pš ^h t ^h /pš ^h t ^h
18. *z	z/z	51. *č ^h	š ^h /š	88. *x°	f/x°	124. *PSt:	pst:/...
19. *č̂	č̂/č̂	52. *Pč ^h	pš ^h /pš	89. *Tx°	tf/tx°	125. *PSk ^h	pč ^h /psk
20. *Pč̂	pč̂/pč̂	53. *č:	č:/ž	90. *Čx°	šk:°/šx°	126. *PSk̂	pč̂/psk̂
*Ŝ°č̂	pč̂, ŝ°/pč̂	54. *Pč:	pč:/bẑ	*Šx°	šk:°/šx°	127. *PSk̂°	.../psk̂°
21. *s	s/s	55. *č̂	č̂/ŝ°	91. *Lx°	lf/lx°	128. *STč̂	stč̂/stč̂
22. *Ps	ps/ps	56. *Pč̂	pč̂/pš̂°	92. *q ^h	q ^h /q	129. *STč̂°	stč̂°/...
23. *z	z/z	57. *š ^h	š ^h /ŝ°	93. *q:	q:/q̂	130. *PSñ	.../psñ
24. *Pz	bz/bz	58. *š:	š:/ŝ°	94. *Pq:	pq:/p̂q̂		
25. *ŝ	ŝ/ŝ	59. *Pš:	pš:/pš	95. *q̂	q̂/q̂		
26. *Pŝ	pŝ/pŝ	60. *ž	ž/ẑ°	96. *x̂	x̂/x̂		
27. *ẑ	ẑ/ẑ	61. *Pž	bž/bẑ°	97. *Pč̂	pč̂/pč̂		
28. *Pẑ	bẑ/bẑ	62. *λ	λ/λ	98. *Tč̂	tč̂/tč̂		
29. *ŝ̂	ŝ̂/ŝ̂	63. *Pλ	pλ/pλ	99. *Sč̂	sč̂/sč̂		
*Ŝ̂q̂	ŝ̂/ŝ̂	64. *l	l/l	100. *Sč̂	sč̂, šč̂/sč̂		
30. *Pš̂	pš̂/pš̂	65. *Pl	bl/bl	101. *ĝ	ĝ/ĝ		
		66. *l̂	l̂/l̂	102. *Pĝ	bĝ/bĝ		
		67. *Pl̂	p̂l̂/p̂l̂	103. *Sĝ	ẑĝ, ž̂ĝ/ẑĝ		

LIST
of Proto-Circ.
segments with
Bžedux-Kabardian
correspondences.

ing. The same is true of the distinction between *čx° and *šx° (90), noted in several dialects by Jakovlev (1930:VIII), but unclear in later sources and not made in the dialects of my informants. In both the latter cases one segment is clearly a contraction: *š°ca < *š°eča black, *čx°a < *čhex°a rein (cf. *čhe horse, *x°a sinew, tendon). Šapsug continues *č as š in part of the cases (and *Pč always as pš). I do not think that this distinction is old. And with the meaning black š has -pša besides -š°ta, e.g., in q:°āpša swarthy, yaťāpša chernozem (Kerasheva 1957:40), so that this distinction, too, may be recent.

CONNECTIVES Both analyzable and unanalyzable units CVCV may contain a connective element -m-, -n- or -r-, and dialects may differ as to presence and type of such an element. Where such connectives occur, they are given in the reconstructed form, e.g., *CVnCV if all dialects have -n-, *CV^r/nCV if some dialects have -r-, others -n-, *CV(n)CV if some dialects have -n- and others lack a connective. A connective -ah- (= ā) is not given in reconstructed forms as in the dialects its presence is almost totally phonetically conditioned: it is present in units CaCa, i.e. when both segments have the feature a. The connectives -m-, -n-, -r- occasionally form an open syllable by themselves; for instance, berry of the snowball tree has the form zanǰ'e or zareǰ'a in Temirgoj, zarg in Šapsug, zarega in Kabardian. This feature is disregarded in the reconstructed form *za^r/ng(a), where the a in parentheses indicates that the second element CV may have a or e.

THE FEATURE A The presence vs. absence of a may be grammatical, the forms with a being intransitive (vs. transitive), adverbial (vs. nominal), illative (vs. elative). In addition, dialects or even one dialect may show variation as to the presence of a. In both types of cases the reconstructed form is given with a in parentheses.

ORGANIZATION OF DICTIONARY Each item in the dictionary is given first in its reconstructed form and then in the W. and/or E. Circ. forms on which the reconstruction is based. The W. and E. Circ. forms are separated by a slash "/". As practically all the E. Circ. words are Kabardian, the letter K is omitted after the slash. If meanings differ in W. and E. Circ., they are also separated by a slash. If an item is not found in W. resp. E. Circ. the slash is preceded resp. followed by three dots. Where possible, for W. Circ. the B form is given. Where T or Š forms are quoted this does not mean that the item is unknown in B but only that it is not represented in my material. Š forms furnished by Mr. Met are marked ŠM.

The units CVCV are listed twice, under the headings of both C₁ and C₂, so that any heading lists all instances of the element concerned. For instance, the word š°eze woman is listed both under 34 *š° and under 23 *z. The dialect forms and any other comments are given with the alphabetic list-

ing under C_1 . The $-C_2$ listings (e.g. that of *š^oeze under *z) are accompanied by a translation and, in case the item is known from either W. or E. Circ. exclusively, by an indication of the dialect source. The absence of such an indication means that the item is common to W. and E. Circ.

Since any heading lists all instances of the segment concerned, analyzable units CVCV are listed without explicit reference to their parts, e.g., *Pħaš^oa treebark is listed without reference to *Pħa wood, etc. and *š^oa skin, bark. References to related units are given only in less obvious cases. Possible but uncertain connections are indicated by "cf?".

In a number of cases the dialect forms quoted include affixes. The most common of these are the indirect object prefix ya-, the causative prefix ħa- and the verbal noun suffix -n. The petrified prefix we- (Dumézil-Namitok 1939) is treated like any other stem-segment in units *weCV, but units *weCVCV are included in the dictionary in the alphabetic place of -CVCV.

In W. Circ. forms final a and e are always written, also in cases where they are dropped word-finally. Kabardian forms are given as pronounced because they preserve final a and have the zero variant of -Cə in CVC, so that the actual forms provide the maximum of etymological information.

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ABBREVIATIONS AND SYMBOLS

Abaz.	Abazinian	Oss.	Ossetian
Abkh.	Abkhaz	Pers.	Persian
B	Bžedux	poss.	possibly
Balk.	Balkar	prob.	probably
Be	Beslenej	Russ.	Russian
bot.	botanical term	<u>sb.</u>	<u>somebody</u>
cf?	doubtful comparison	<u>stg.</u>	<u>something</u>
dial.	dialectally	Š	Šapsug
esp.	especially	ŠM	Šapsug of Mr. Met
geogr.	geographical term	T	Temirgoj
Geo(rg).	Georgian	tr.	transitive
(in)tr.	form with <u>a</u> is itr., form without <u>a</u> is tr.	Tu	Turkish
Germ.	German	Ub.	Ubykh
itr.	intransitive	w.	with
Kar.	Karachay	zool.	zoological term
orig.	originally		

C(a) both Ca and Cə

/ separates W. and E. Circ. forms and meanings.

.../, /... form not found in W. resp. E. Circ.

TYPOGRAPHICAL NOTE

Note carefully the letters \mathfrak{z} \mathfrak{c} \mathfrak{s} \mathfrak{c}
which stand for \mathfrak{z} \mathfrak{c} \mathfrak{s} \mathfrak{c}

1. p^h

- *p^ha -- B p^ha/pa nose, front, beginning, etc.
- *p^h(a) -- B zag^oa-p^ha-n/zag^oa-p to be speechless (e.g. from anger)/ to be angry (zag^oa- Germ. auseinander, Russ. raz-).
- *p^heʒe -- B p^heʒe/peʒ hedgohog/blackthorn (K peʒ-bāna hedgohog, see *p:ana).
- *p^heʎe -- T peʎe/pel (Tu. fil; younger loan in T: feyl).
- *p^heʒ(a) -- B p^heʒá, ya-p^heʒ'ə/pega, ya-peg to butt, gore.
- *p^herċ(a) -- T perċa/perċa to snore, T čeya-perċe snoring (noun).
- *p^heđ^oa -- B p^hā^oa/pe^oa cap, hat.
- *p^herċ^oa -- .../perċ^oa passageway, porch.
- *p^hePċ^oa -- .../pepċ^oa haystack.
- *p^heħa -- T peħā-n/peħa to cry, howl, sob.
- *p^hat^ha -- B ġa-p^hat^ha-n/... to damage, wear out (a surface).
- *p^ha(m)Pċ(a) -- B p^hāpċa/pā(m)pċa sharp point, edge; sharp, K wepapċ to sharpen.
- *p^hase -- Š p^hase/Be pase to be worthy of (cf? Geo. pasi)
- *p^hasa -- B p^hāsa/pāsa early, long ago.
- *p^haPʒa -- B p^hābʒa/pābʒa bush, shrub (T pābʒa thick, high grass, especially at roadside).
- *p^hač'a -- B p^hāč'a/pāš'a moustache.
- *p^haPċ'a -- B p^hāpċ'a/pāpš'a because
- *p^hač^h'e -- B p^haš^h'e/paš room.
- *p^hač^h'a -- B p^hāš^h'a/pāša leader (Pers. pādšāh king; T has, besides pāš'a, also pāša pasha from Tu paša).
- *p^haPċ:ə -- T papċe/pabž every time/equal, equivalent.
- *p^haʎa -- T pāʎ/pāʎa as if / similar, same (K hada-pāʎa stepfather).
- *p^haPʎe -- T papʎe/papʎ red-nosed.
- *p^haċa -- T pāč'a/pāċa stretch, interval, zone.
- *p^haġa -- B p^hāġa/pāġa haughty.
- *p^haPġe -- T pabġe/pabġ bridge of nose.
- *p^hak:^oa -- B p^hāk:^oa/pāġ^oa blunt.
- *p^hag^oa -- B p^hāġ^oa/pāġ^oa carp, fish (generic); blunt-nosed / blunt.
- *p^hak^oa -- B p^hāk^oa/... saddle flap.
- *p^hax^oe -- T paxe/pax^o white-nosed.
- *p^haq:a -- B p^hāq:a/pāq'a snub-nosed.
- *p^haTġa -- B p^hātġa/... ragamuffin.
- *p^haPġa -- .../pābġa striving, eager, burning with desire.
- *p^hašħa -- B p^hāšħa/pāšħa before, in presence of; K also place of honor away from door (cf. *Plašħa).
- *p^ham(a) -- B p^hāma, ya-p^hame/pāma, ya-pam to smell (something).

- *be(n)ʒ'(a) -- T nēbēʒ'ə/bēnža navel (order and status of segments in reconstruction uncertain; Ub. nēbēʒ', Abaz. bēnʒ'a, Abkh. a-č'ap̄an).
- *bēle -- T ġa-bēle-n/... to hide, tr.
- *bexē -- Š ya-bexē-n/... to fall through (ice), vanish.
- *bēk'°e -- T bēk'°e/... little calf.
- *bēq'°(a) -- T bē'°a/bē'°a crooked, misshapen, T txē-bē'°/txēbē'° hunchbacked, T bē'°abeš'a/bē'°abeša deformed, misshapen.
- *bēx'°e -- B bēx'°e/bēx'° wide (as of clothes, opening).
- *bēğ'°e -- T bēğ'°e/... pedigreed bull (cf? Tu. buğa).
- *beyā -- Š beyā/... mole (zool.).
- *bewe -- B bewe/bew to moo.
- *bene -- B bene/ben (children of) family (cf? Oss. byn inheritance).
- *bambe -- T bambe/... lever, jack.
- *webat^ha -- B webat^ha-n/... to break (e.g. a plate), tr.
- *bartā -- T tḫ'°e-bārta/... fresh, fluffy butter (tḫ'°e butter).
- *baʒa -- B bāʒa/bāʒa fly (zool.).
- *baʒ'°e -- B ġa-baʒ'°e/bav year ġa with good harvest / harvest.
- *bač^h'°e -- B baš^h'°e/bāš stick (K ā exceptional).
- *baʒ'a -- B bāʒ'a/bāʒa fox.
- *bage -- B baʒ'°e/bag spider.
- *bağē -- B bağē/bağ to swell.
- *bag'°e -- B bag'°e/bag'° pimple, scab, rash, B ʔağabag'°e/ʔağabag'° mushroom.
- *baq^he -- B baq^he/baq cowshed.
- *baq:°e -- T ḥāsa-baq:°e/(ḥasa)baq:° furrow/boundary (between plots ḥasa).
- *baq:°a -- B bāq:°a/bāq:°a to step, stride.
- *bağ'°a -- T bāğ'°a/bāğ'°a to be(come) rich, esp. of harvest/to multiply, itr.
- *baye -- B bāye/bay rich (cf? Tu. bey).
- *baw(a) -- T bawā-n, B ya-bawe/bāwā, ya-baw to kiss/to breathe.
- *bama -- B bāma/bāma stench.
- *bane -- B banē/ban coffin (T grave).
- *ban(a) -- B ya-ban/bāna, ya-ban to fight.
- *bana -- B bāna/bāna to bark.

- | | | | |
|---------|---|---------------------------------------|------------------------------|
| *bēbe | <u>to fly/to flutter</u> | *labe | T <u>moist</u> |
| *bambe | T <u>lever, jack</u> | *k ^h '°e ^r /mbē | <u>hole, hollow</u> |
| *ʒēbe | Š <u>to fill (as sack)</u> | *x'°ambe | T <u>quiet, still</u> |
| *Pʒabe | T <u>back of neck</u> | *q:abe | <u>pumpkin</u> |
| *č'°ebe | <u>back, rear</u> | *ʒğerbe | <u>wild grape/gooseberry</u> |
| *Pžebe | <u>cupped hand, handful</u> | *q'°ebe | <u>gulp/to gulp</u> |
| *labe | B <u>butt of rifle</u> , T also <u>heel</u> | *q'°ebe | <u>to overturn</u> |
| *lambe | K <u>footprint</u> | *ğ'°(a) ^r /mbē | T <u>burrow, hole</u> |

*T̥ha(m)be	<u>lungs</u>	*(P)ḫ ^o amba	<u>finger, toe</u>
*ṣaba	<u>soft (material, character)</u>	*Tḫ ^o e ^r /mba	<u>foam</u>
*ṣ ^o aba	T <u>(to do stg.) in a hurry</u>	*haba	<u>chasuble-type garment</u>
*x ^o aba	<u>warm</u>	*web(a)	<u>to trample, pound, crush;</u> <u>to slander</u>
*x ^o aba	<u>a soup w. lumps of dough</u>	*neba	<u>belly</u>
*qaba	<u>(to stretch out the) hand,</u> K also <u>to steal</u>		

4. p̥, Pq̥, Pq̥^o

(The three possibilities are not ordered alphabetically. *Pq̥, *Pq̥^o are written where there is evidence from any dialect. Probably Proto-Circ. itself had alternative forms for a number of elements).

- *Pq̥^o(a) -- B p̥^o(a)/p̥(a) to raise (children), bring up, (in)tr.
- *p̥a -- .../p̥a imprint, trace.
- *Pq̥a -- B p̥a S p̥a/p̥a bed, bedding.
- *Pq̥^oa -- B p̥a S p̥^oa/p̥a place.
- *Pq̥^oa -- B t̥ya-p̥^oa/tay-p̥a to cover (t̥ya- on), T p̥^oa, p̥a cover, lid, shell, sheath, etc.
- *p̥et(a) -- B p̥ete/p̥et to crush, press, B da-p̥eta/da-p̥eta to jam, pinch (da-in). Cf. *p̥arta.
- *p̥ese -- B p̥ese/p̥es futuere.
- *p̥eč'a -- B p̥eč'a/p̥eša to freeze, feel cold.
- *p̥erk^oe -- T p̥erk^oe/... compact (of fabrics).
- *wepeš^oe -- B wepeš^oe/wepeš^o to crush, crumple, rumple.
- *p̥ešge -- .../p̥ežg smithereens.
- *p̥eye -- B p̥eye/p̥ey to stick out, be visible.
- *p̥ena -- T p̥ena S p̥ena/p̥ena small kerchief used by old women.
- *wep̥ap̥(a) -- T ya-wep̥ape/... to mould, flatten; to make stg. carelessly (cf. *Pq̥^oač'(a)), T fa-wep̥apa/... to take trouble for fa-sb., T ġa-wep̥apa-n/ġa-wep̥arapa-n to blink one's eyes.
- *Pq̥^oaPla -- B p̥^oābla/... mat made of rushes.
- *p̥aSt̥ha -- B p̥āst̥ha S p̥āst̥ha/p̥āsta "pasta" (Gr. πᾶσις barley porridge).
- *p̥arta -- T p̥arta/... to burst, crack (e.g. as fruit), itr. Cf. p̥et(a).
- *p̥aša -- B p̥āša S p̥āša/p̥āša large, big, T also ancestor, S also grownup.
- *Pq̥^oač'(a) -- B p̥^oač'a/p̥āša flattened, thin (also of fluids), K wepaš to flatten.
- *Pq̥^oač'a -- B p̥^oač'a/p̥āša to stir, K also to hurry.
- *Pq̥^oala -- B p̥āla S p̥^oāla/p̥āla time, term, K also habit.
- *Pq̥^oa(n)k̥e -- B p̥^oa(n)č'e/p̥ank̥ to puff, crackle, K also flying spark, flock, tuft.
- *p̥aš^o(a) -- B p̥āš^oa, ya-p̥aš^oe/p̥āš^oa, ya-p̥aš^o to pinch.
- *wep̥ač^oe -- B wepač^oe/... to pluck (a bird).

- *paSTĭ(a) -- B p̄astĭa, ya-p̄astĭe/p̄astĭa, ya-p̄astĭ to scratch. Cf. *Tĭ(a) to tear.
 *Pq̄^oane -- T p̄^oane/... scale of fish.

- | | | | | |
|---------------------------|---|--|-------------------------|--|
| *demp̄e | T | <u>to vanish</u> | *č'apa | <u>calf of leg/shin</u> (w. la-) |
| *taPq̄ ^o e | | <u>to rip open</u> | *laPq̄ ^o a | <u>dear, expensive</u> |
| *lemp̄e | K | <u>to be pressed, squeezed</u> | *lep̄a | T <u>to be fried, grilled slightly</u> |
| *Sk̄ ^o emp̄e | | <u>rotten (egg)</u> | *qh̄apa | K <u>scale of fish</u> |
| *wep̄apa | | <u>to blink (eyes), T also to mould, flatten</u> | *qh̄a(m)pa | <u>dandruff, K also husk of grain</u> |
| *tep̄a | T | <u>to crack (of corn flakes), itr.</u> | *qa(m)pa | <u>thing, goods, wares/bag, pouch; equipment; trifle</u> |
| *čap̄(a) | | <u>(to make) dirty</u> | *q̄ ^o e(m)pa | <u>bridle, reins</u> |
| *sa(m)pa | | <u>sheath (for knife or dagger)</u> | *wep̄a | <u>to slaughter/to skin</u> |
| *Psa(m)Pq̄ ^o a | | <u>collar</u> | *nap̄a | <u>eyelid</u> |
| *s̄ ^o ampa | T | <u>husk, skin, peel</u> | | |
| *č(a)Pq̄ ^o a | | <u>land, terrain, district, parcel</u> | | |

5. th

- *th_e -- B th_e/t_e to stand (only w. local prefixes).
 *th(a) -- B th(a)/t(a) to give, (in)tr.
 *th_{erk}^{h_o} -- .../terk^o fatty or fleshy tumor-like growth in animal organism.
 *th_{aš}^oa -- .../tāfa glade, field of grass (for *š^o not *č^{h_o} cf. *č^oeš^oa).
 *th_{age} -- B th_{až}'e/tag to stand up, rise.
 *th_{ax}^oe -- .../tax^o white.
 *th_{aq:}^o(a) -- T tāq^o(a)/tāq^oa to strew, pour dry substances (with local preff. ye-, xa- into, T out of, a container, resp. mass); T ġa-taq^oa-n also to husk.

- | | | | | |
|------------------------------------|---|-------------------------------------|------------------------|--|
| *č'ath _e | | <u>saucer, podstavka</u> | *č'eth _a | B <u>to emit sparks</u> |
| *kh _{ent} th _e | K | <u>(ethnic name in Nart epos)</u> | *Pseth _a | B <u>to swell, suffer from dropsy</u> |
| *khat _e | | <u>sheep-shed</u> | *wepzet _h a | K <u>to cut, shred</u> |
| *qath _e | | <u>to take up, lift up</u> | *č'h'ath _a | <u>film on milk / cream</u> |
| *q̄ ^o ath _e | | <u>to knead, rub (esp. leather)</u> | *č'eth _a | <u>to soak, itr.</u> |
| *ḡ ^o ath _e | | <u>to find</u> | *wepč'ath _a | <u>to cut (e.g. meat)</u> |
| *narth _e | | <u>Nart</u> | *šh'ath _a | <u>to sigh</u> |
| *phath _a | B | <u>to be damaged, worn out</u> | *šhat _h a | B <u>to try out, check</u> |
| *webath _a | B | <u>to break (as plate), tr.</u> | *Pš:ath _a | <u>tanning solution</u> |
| *deth _a | | <u>to quilt</u> | *λeth _a | <u>to consider</u> |
| *tath _a | | <u>to come loose, be unfastened</u> | *λath(a) | <u>to bounce/to fly, jump up, fall out, etc.</u> |

*λath ^a	<u>rennet (used to curdle milk)</u>	*q:°eth ^a	<u>to smash, break up, chop</u>
*k:ath ^a	<u>sword</u>	*q:°erth ^e	<u>brood(-hen)</u>
*k ^ə eth ^a	<u>malt</u>	*q ^ə ath ^a	<u>to tell, report/to announce, make known</u>
*wək ^ə eth ^a	<u>shame</u>	*x ^ə ath ^a	B <u>ravine, gully</u>
*k:°arth ^(a)	<u>a certain (solid) number/ (large) herd</u>	*P ^x °ath ^(a)	<u>to grasp, seize, tr.</u>
*k ^ə °eth ^(a)	<u>to pour (in, out)</u>	*P ^x °anth ^a	<u>trunk, chest</u>
*k ^ə °ath ^(a)	<u>to move along</u>	*(P)ğ°a(n)t ^h a	<u>to grow mouldy</u>
*x°eth ^a	<u>to forge</u>	*Ş ^h anth ^a	<u>pillow, cushion</u>
*x°eth ^a	K <u>to explore, discover, make clear</u>	*yath ^a	<u>to rage (storm)/become insolent</u>
*x°a(r)th ^a	K <u>diaper (-r-), scarf (-)</u>	*weth ^a	<u>to trample, to knead clay with the feet</u>
*q ^ə ath ^a	<u>haystack</u>	*math ^a	<u>basket, beehive</u>
*xath ^a	<u>(nothing) special/(not) a bit</u>		

6. St^h

*paSt ^h a	<u>"pasta"</u>	*maSt ^h a	<u>needle</u>
*lanSt ^h a	<u>scissors</u>		

7. S't^h

*S't ^h a	-- B š't ^h a/şta <u>to be frightened.</u>
*S't ^h aPxa	-- T š'tāp ^h a/... <u>cowardly.</u>

8. St^h

*St ^h a	-- B šth ^a /şta <u>to take, tr. (B thya-št^ha-n to take after sb.).</u>
*St ^h a	-- B šth ^a /şta <u>flint</u> (B also šth ^a °eč'a, T štawēč'e).

9. t:

*t:(a)	-- B t:ə, yāt:a/hada <u>father</u> , B t:āt:a/dāda <u>daddy/grandpa</u> (address).
*t:a	-- B t:a/da <u>we.</u>
*wet:əsa	-- B wet:əsa/... <u>dust penetrates</u> , B ġa-wet:əsa <u>to make dust, pulverize.</u>
*t:əš:'e	-- B t:əš:'e/dəş <u>relatives of wife.</u>
*t:əq:ə	-- T pşa-teqe/pşa-dēq <u>back of neck, occiput</u> (pşa <u>neck</u>).
*t:əğa	-- B t:əğa/dəğa <u>sun.</u>
*t:erq:°a	-- T terq°a/derq°a <u>scar.</u>
*t:əğ°(a)	-- B t:əğ°(a)/dəğ°(a) <u>to steal, (in)tr.</u> , T tēğ°e/dēğ° <u>theft/thief.</u>
*t:əwe	-- S t:əwe/dəw <u>grain storehouse.</u>
*t:az(a)	-- T tāza/-dāza <u>crooked</u> , T we-taze-n <u>to bend down, tr.</u>
*wet:aş°a	-- B wet:āş°a/wedāfa <u>to misbehave, make mischief, act violently</u> , T also <u>to get drunk.</u>

- *t:ala -- T tāla/dāla to splash/to threaten, T ḡa-tala-n/ḡa-dāla to rattle (the sabre)/to wave threateningly, shake (fist), rattle (the sabre).
- *t:aq:a -- B t:āq:a/dāq:a stump/handle, thick end of pole, T also deadfall; K daq-a-q stump. Cf. *daq:a.
- *t:aya -- B t:āya/... (package of) neatly arranged things (as needles, wood). K tāy layer, if related, must be a borrowing (ā irregular).
- *t:ama -- B t:āma/dāma wing.

- | | | | |
|-----------------------|------------------------------|----------------------|--|
| *bet:e | B <u>hunchbacked</u> | *ṣ ^o at:a | <u>a corn-beverage</u> |
| *webet:e | <u>to catch, grab</u> | *xat:a | <u>kitchen-garden</u> |
| *ṣ ^o ant:e | <u>wineskin</u> | *hat:a | <u>father</u> |
| *z ^o at:e | B <u>to make merry</u> | *wet:(a) | <u>to pound, thresh (sunflower seeds, maize), beat (egg)</u> |
| *k:at:e | <u>chicken</u> | *wet:(a) | <u>to sow by hand</u> |
| *x ^o at:e | B <u>blizzard</u> | *wat:a | <u>hammer</u> |
| *nat:e | <u>goatskin sack</u> | *ma(r)t:a | <u>quantity, measure</u> |
| *p:et:a | <u>strong, solid; stingy</u> | | |

10. St:

- *St:(a) -- B st:ə/ṣa-ḡa-st to burn, itr./to fan or add fuel to fire (ṣa-under), B st:a to burn (as lamp), itr. Cf. *se.
- *St:ərə -- T st:ərə/... hot, bitter, sharp (taste). Cf. *sere.
- *St:ax^oa -- T st:āfa/... ashes. Cf. *sax^oa.

11. S't:

- *S't:e -- B š't:ə/ṣtə to freeze (of liquid).

12. ṣ^ot:

- *ṣ^ot:e -- B ṣ^ot:ə/fte genitals (male and female).
- *ṣ^ot:e -- Ṣ ye-ṣ^ot:ə/Be ye-fte to hurl oneself into ye-.
- *ṣ^ot:ərə -- T ya-ṣ^ot:ərə/... to kick.

- *čaṣ^ot:(a) to slide, slippery/to move rapidly *x^oeṣ^ot:e T to fly off (as wheel from axle)

13. d

- *d(a) -- B d(a)/d(a) to sew, (in)tr.
- *d(a) -- B xa-d(a)/xa-d(a) to choose, pick out, (in)tr. (xa- group, mass).
- *da -- B da/da nut.

- *da -- B da/da to agree, consent to stg. (object).
- *demp̃e -- T dem̃e/... to vanish.
- *det^ha -- T deta/deta to quilt.
- *dede -- B dede/ded awl.
- *dede -- T ġa-dede/... to carry stg. away quickly; to spread quickly (rumor).
- *dese -- T dese/... steep, stinging, sarcastic.
- *dePze -- Š debze/... veranda.
- *deša -- B deša/deša gold.
- *dege -- B dež'e/deg bitter, sour, sharp-tasting.
- *deq:e -- B deq:e/deq̃ to stiffen, grow numb, freeze. Cf. *deye and *q:e.
- *derġe -- T ya-derġe/... to abuse, address caustically (T derġ is an onomatopoeia for the grunting of pigs).
- *dewa -- B dewa/pse-dewa leech (pse water).
- *deye -- B deye/deye-ž to cool off, congeal, grow numb (K -ž again, as previously). Cf. *deq:e.
- *d(a)da -- B dāda/dāda very, just, exactly.
- *daxa -- B dāxa/dāxa beautiful.
- *dag^oa -- Š dāg^oa/... short-eared.
- *dag^oe -- B dag^oe/dag^o deaf.
- *daq:a -- B dāq:a/dāqa hind end, esp. last pair of animals put before cart, T λa-dāqa/λadāqa heel, K pša-dāqa back of neck. Cf. *t:aq:a.
- *dapq:e -- B dapq:e/... wall.
- *daġa -- B dāġa/dāġa lard, fat.
- *daq^o(a) -- B dāq^oa, ya-da^oq̃/dāq^oa, ya-da^o to listen, obey.
- *daḡ^oe -- T daḡ^oe/... to make a wrong choice.
- *dağ^o(a) -- B dağ^oe/dāğ^oa good.
- *dağ^oa -- B dāğ^oa/dāğ^oa defect, shortcoming.
- *daye -- B daye/... bad.
- *dawa -- B dāwa/dāwa to quarrel, have a lawsuit (Tu. dāvā).
- *dana -- B dāna/dāna silk (as woven material).

*dede	<u>awl</u>	*g ^o ede	<u>vulva</u>
*dede	T <u>to be carried away quickly, spread quickly (rumor)</u>	*q: ^o ade	B <u>stubborn</u>
*weza(n)de	<u>to load (a gun)</u>	*wede	<u>witch</u>
*ç: ^o ende	<u>rook</u>	*wade	<u>thin (of person)</u>
*č ^h 'ede	<u>donkey</u>	*nade	T <u>fine (of mesh)</u>
*le(n)de	<u>to shine, glitter</u>	*d(a)da	<u>very, just, exactly</u>
*lande	T <u>pike (zool.)</u>	*za(n)da	<u>steep</u>
*k ^h o(n)de	<u>much</u>	*če(n)da	<u>peanut</u>
		*λada	<u>to run, rush</u>

*Txeda	<u>story, tale; instructive/ history</u>	*weSxeda	T <u>to let oneself go, become shabby</u>
*Sxeda	<u>to chide</u>	*q'eda	<u>flounce, frill, fringe/lace</u>
*k ^h eda	<u>to cork, fill up, cram</u>	*g'o(n)d(a)	<u>gadfly</u>
*k ^h eda	B <u>petroleum, oil; axle-grease?</u>	*hada	<u>corpse</u>
*k ^h anda	B <u>bush, shrub</u>	*šhanda	B <u>bush, shrub</u>
*k'ad(a)	<u>to disappear, lose oneself, get lost, perish</u>	*hada	T <u>tumor, swelling</u>
*qada	<u>pincers, tongs</u>	*warda	<u>high-born, K also solid, strong</u>
		*nada	<u>empty, without kernel (as seed, nut)</u>

14. t, Tq'

(The two possibilities are ordered alphabetically. All cases of *Tq' involve the morpheme two).

*ta	-- B <u>ta/ta ram.</u>
*t(a)	-- B <u>t(a)/t(a) to dig, (in)tr.</u>
*ta	-- S <u>ta/ye-ta to seat/to put straight up, tr. (ye- in).</u>
*tepa	-- T <u>tepa/... to crack (of corn flakes), itr.</u>
*tese	-- B <u>tese/tes to sit down.</u>
*terza	-- T <u>terza/... to sport, gambol (of horse). Cf. *tara.</u>
*tele	-- B <u>tele/teλ to lie down.</u>
*terg'o(a)	-- B <u>terg'o/a/ya-terg'o to butt, fillip, bump, jog (K also ya-terq', ya-perq').</u>
*te(r)g'o	-- B <u>te(r)g'o/a/teg'o to soften, ripen, T also to curl.</u>
*teya	-- T <u>teya/tay to stick up, stand on end, be bent upward (as moustache). Cf. *ta.</u>
*tath'a	-- B <u>tath'a/tata to come loose, be unfastened.</u>
*tat(a)	-- B <u>tata/tata to get soft, thaw, become unstable, T also to drip, T š'e-tate to run over, overflow (š'e- location).</u>
*tasa	-- .../tasa <u>dear (address).</u>
*tasa	-- .../xa-tasa <u>to be neglected, allowed to develop unchecked (xa-mass).</u>
*tač'e	-- B <u>tač'e/taš to undress, tr., T also to rob. Cf. *tağa.</u>
*tak'o	-- B <u>tak'o/tak'o a little, few.</u>
*tak'o	-- S <u>tak'o/... place.</u>
*taSxa	-- T <u>tasxa/tasxa to become weak/shaky, unstable, vulnerable spot, Be secret (cf. K tasxa-šax scout, spy). (še- location)</u>
*tağa	-- .../še-tağa <u>to put on as dress, dress sb. with, tr. Cf. *tač'e.</u>
*taPq'o	-- B <u>ga-tape S ga-tapq'o/taš to rip open.</u>
*taš'o(a)	-- B <u>taš'o/a, ya-taš'o/taš'o/a, ya-taš'o to scratch, (in)tr.</u>
*taye	-- S <u>taye/... damp.</u>
*tawe	-- T <u>ya-tawe/... to bump (one's head).</u>
*tara	-- T <u>tara-n/... to sport, gambol (of horse). Cf. *terza.</u>

- *Tq°(a) -- B t°(a)/t(a)w, -t(a) two (twice) (K -ta only in mezameta more than once, repeatedly, lit. not-once-not-twice.
- *Tq°epš:°e -- B t°epš:°e/wetepš to be released/to release, set free.
- *Tq°aza -- T t°āza/... twins (za-t°āza they are twins (to e.o. za-)).
- *Tq°ač°e -- T t°ač°e/tawš twenty.
- *Tq°ač°a -- T t°ač°a SM t°āča/... valley between mountains.
- *Tq°ala -- T t°āla/tewāla a measure (breadth of two fingers).
- *Tq°a(r)q:°a -- T tārqa/taq°a fork, bifurcation/dual, in two (dissimilative loss of labialization in T).
- *Tq°ana -- T t°āna/tewāna one wife in relation to other (in polygyny).

*cete	<u>ditch</u>	*žanta	<u>place of honor</u>
*wenate	K <u>to direct, level at</u>	*lanta	<u>elastic, supple</u>
*bartā	T <u>fresh, fluffy (butter)</u>	*kant(a)	<u>small last remains</u>
*pet(a)	<u>to crush, press, jam, pinch</u>	*Pgē(n)ta	<u>ungirded</u>
*partā	T <u>to burst, crack</u>	*q°a(r/n)ta	<u>to bend, distort/turn, wind</u>
*tat(a)	<u>to get soft, thaw, drip, become unstable, overflow</u>	*Sx°ant(a)	<u>(electric) blue</u>
*psenta	T <u>watery, thin (e.g. pasta)</u>	*g°ata	K <u>dark red (prob. of hair)</u>
*zha°ta	<u>to massage, T also squeeze, squash</u>	*šhata	T <u>forehead</u>
*pč°anta	<u>to sweat</u>	*yata	<u>clay, earth, K also mud</u>
		*nata	<u>forehead</u>

15. ch

- *ch(a) -- B ch°e/cē hair, wool, -cha/-ca suff. hairy.
- *ch°epha -- B ch°epha/cēpa end, tip (of string, sword, etc.)/(single) hair.
- *ch°epza -- B ch°ebza/... autumn-wool.
- *cherxē -- .../ya-cerx to touch.
- *ch°eya -- B ch°eya/cay "cherkeska" (Caucasian national garment).

*lech°e	K <u>moss</u>	*g°erc°ha	B <u>brushwood, shrubbery</u>
*šnac°h°e	<u>head-hair</u>	*nanch°a	<u>wooden spade</u>
*q:°a(n)ch°a	<u>branch w. twigs/branchy</u>		

16. c:

- *c:a -- B c:a/3a tooth, edge of blade.
- *c:a -- B c:a/3a grain, pellet of grain, grain (of sand, etc.).
- *c:a -- B -c:a/3a spoke of wheel (cf. B c:āga K 3āža rib).
- *c:exa -- B c:exa/3exa frail, weak, without stamina or self-possession, T also hot-tempered; T qa-cexa-n/qa-3exa to flinch, T also to flare up.
- *c:ēg°a -- B c:ēg°a/3ēg°a mouse.

- *c:əñ(a) -- B c:āñe T cəña/ʒəñ, ʒəña faith, confidence.
 *c:alə See *f:c:alə.
 *c:aŋa -- B c:āč'a/ʒāka edge.
 *c:ak:°a -- B c:āk:°a/ʒāg°a blunt, dull.
 *c:ax°e -- T cafe/ʒax° tin.
 *c:aq:a -- B ya-c:āq:a/ya-ʒāda to bite.
 *c:aŋa -- T cāŋa/ʒāŋa with teeth spaced wide apart (person, fork).
 *c:ağ°e -- T ya-cağ°e/ya-ʒağ° to gnaw.
 *c:aye -- T caye/ʒay mate, partner (esp. in tilling of land).

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|----------|--------------|----------|--------------------------------------|
| *k:°ac:e | <u>wheat</u> | *k:°ec:a | <u>spoke of wheel</u> |
| *wec:e | <u>grass</u> | *ñac:a | K <u>grain (of corn, sand, etc.)</u> |

17. Pc:

- *Pc:(a) -- B pc:(a)/bʒ(a) to chisel, (in)tr., B pc:e/bʒe chisel.
 *Pc:a -- T pe-pca/... to affix, nail stg. to the end pe- of stg., tr.,
 T tya-pca patch.
 *Pc:a -- B pc:a/bʒa fish/large fish, K bʒa-ʒay fish (-ʒay small).
 *Pc:aš°ca -- B pc:āš°a/bʒāmca Be ʒāfca lead (metal) (T pčāš°a with metathesis of glottalization).
 *(P)c:alə -- B pc:yalə ʒ pc:aley/ʒal willow.
 *Pc:a(n)Tña -- B pc:ātña/bʒā(n)tña joiner's glue.

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|-----------|-------------------------------------|------------------------|
| *kaPc:(a) | <u>thigh of animal, leg of bird</u> | (as dough) |
| *ğ°aPc:a | T <u>to harden, form a crust</u> | *naPc:a <u>eyebrow</u> |

18. ʒ

- *ʒ(a) -- B ʒ(a)/ʒ(a) to throw out of (resp. into), tr.
 *ʒa -- B ʒa/ʒa army, B ʒāk°a/ʒāk°a campaign (k°a to go).
 *ʒeya -- T ze-š'e-ʒeya-n/ze-ʒe-ʒay to stand apart, avoid stg. (ze- one-self, š'e-/ʒe- there).
 *ʒewa -- T ʒewa/... sack.

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|-------------|--------------------------|----------|-----------------------------------|
| *beʒe | <u>woman's breast</u> | *baʒa | <u>fly (zool.)</u> |
| *weTxə(n)ʒe | T <u>to sift</u> | *Pseʒa | <u>flood, inundation</u> |
| *Pxaʒe | T <u>lot, fate</u> | *č'aʒa | <u>lining, saddle cloth, etc.</u> |
| *ğ°aʒe | T <u>to answer (pe-)</u> | *Pžeʒa | <u>flea</u> |
| | | *Pğ°eʒa, | -za <u>narrow, tight</u> |

19. ě

- *ě(a) -- B ě/ě to defecate, itr., K -ěa id. (in compounds).
 *ěa -- B ěa/ěa louse.
 *ěa -- B ěa S ša/ěa name.
 *ěert^ha -- B ěert^ha/... to emit sparks.
 *ěěće -- T ěěće/... to crumple, itr. and tr.
 *ěěřza -- T ěěřza/... to swell.
 *ěěž^oe -- B ěěž^oe/ěev bug, beetle, T a kind of fly.
 *ěěž^o(a) -- B ze-ĝa-ěěž^o-n/ěev, ěeva to make off (ze- oneself)/to whirl, fly.
 *ěePλ(a) -- .../ěePλ scarlet, ěePλa brown (of horses). Cf. *ěaPλe.
 *ěek^he -- T pĝa-n-ěěč^oe/pĝa-ěek castanets (pĝa wood).
 *ěek^oe -- B ěek^oe/ěek^o small, little.
 *ěex^oe -- B ěefe/ěex^o human being, person.
 *ěex^oe -- B ěefe/ěex^o to know, be acquainted with.
 *ěerĝe -- B ěerĝe/ěerĝ thin (of vegetation), transparent (of fabrics), K weěerĝ to make stg. carelessly, throw together.
 *ěešĝa -- T ěešĝa/... to glitter, sparkle.
 *ěerĝe -- S ěerĝe/... snail.
 *ěewe -- B ěewe/ěew to shine, glitter, K also to squeak, cheep.
 *ěen(a) -- B ěena S šena/ěena moist, unripe, uncooked, K also pus; K we-ěen to become moist.
 *ěap(a) -- B ěāpa/ěāpa dirty, K we-ěap to make dirty.
 *ěaš^ot:(a) -- B ěāš^ot:a/xa-ěaft, -ěāfta slippery, to slide/to move quickly out of (resp. into) stg. (xa- mass, group).
 *ěāca -- T ěāca/ya-ěāca to curse, bawl out.
 *ěa(n)λa -- B ěāla/ěānλa to slip, slide, T also to creep, crawl.
 *ěaPλe -- T ěapλe/... red-haired. Cf. *ěePλ(a).
 *ěāla -- B ěāla/ěāla to smear, tr.
 *ěāka -- B ěāč^oa/ěāka nit.
 *ěax^oa -- .../ěāx^oa cobra.
 *ěanTĝ^oa -- B ěāntĝ^oa/ěāntĝ^oa to scrape/to slide.
 *ěaĝ^oe -- T ěaĝ^oe/... weak, frail.

*ěěće	T	<u>to crumple</u>	*š ^o eč(a)	<u>black</u>
*k ^h (a)ěe		<u>kid, young goat</u>	*le(n)č(a)	<u>to scorch</u>
*kaěe		<u>to lay eggs</u>	*Txeěa	<u>backbone, spine</u>
*k ^h oěe		<u>marrow</u>	*Pĝaěa	T <u>bedbug</u>
*k ^o aěe		<u>innards, inside, interior</u>	*maěa	<u>locust</u>
*yaněe	K	<u>long pole, lever</u>	*nač(a)	<u>to wish, desire, hanker for</u>
*ěāca		<u>to curse, bawl out</u>		

20. Pč, Šč

(The two possibilities are ordered alphabetically. *Šč occurs only in non-final segments. Evidence for *Šč is either Š šč, or B T šč besides K pč (in one case K mc Be fč). See Introduction p. 5-7).

- *Pč(a) -- B pče Š pše/pče lie, falsehood, T gā-pča/gā-pča to deceive.
 *Pč(a) -- T mež^oa-we-pča/meva-we-pča whetstone (*mež^oa stone), T we-pa-pče/we-pa-pč to sharpen (a pointed object) (pa- nose, point).
 *Pča -- B pča/pča to ferment, curdle, turn sour (of milk), coagulate (of blood).
 *Pča -- B pča/pča to be fulled, felted (cf wool), get tangled (of hair).
 *Pča -- B -pča/-pča quite, completely, entire, massive (K ye-zaq^oapča quite alone, weže-pča thick grass); bare in *laPča, *šhaPča, *Pčana.
 *PčəPčə -- .../pčəpčə liar.
 *Pčey(a?) -- T pčey/... ore (vocalic nature of 2nd segment unknown).
 *Pčašx^oa -- B pčašx^oa Š psāšx^oa/pčašx^oa swallow (zool.).
 *Pčawe -- B pčawe Š psawe/... to yelp. Cf. Pč'awe.
 *Pčan(a) -- B pčana Š psāna/pčana bare, naked, K we-pčan to undress.

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|---------------------------|---|----------------------------|----------------------|-----|-----------------------------------|
| *Š'xəPče | T | <u>to smile</u> | *čəPča | T | <u>dark, dark grey, dark blue</u> |
| *xəPče | K | <u>cartilage</u> | *ləPča | K | <u>clot of blood</u> |
| *x ^o əPče | B | <u>to itch</u> | *laPča | | <u>barefoot</u> |
| *wəPče | K | <u>to splash, splatter</u> | *ləPča | | <u>flesh</u> |
| *naPče | | <u>false, deceptive</u> | *kaPča | | <u>lower abdomen/stomach</u> |
| *p ^h a(m)Pč(a) | | <u>sharp point, sharp</u> | *q ^o aPča | | <u>swarthy, K also lean</u> |
| *PsePča | | <u>bog, swamp</u> | *šhaPča | T Š | <u>bare-headed</u> |
| *čəPča | | <u>chernozem</u> | *nəPča | Š | <u>intestines</u> |

(Addenda see p. 93)

21. s

- *se -- B se/se to sit (only w. local prefixes).
 *se -- .../se to burn, tr. and itr. Cf. *St:e.
 *se -- B ya-se/ya-s to swim, K xa-se-k to swim out of -k a mass xa-, etc.
 *se -- B q:a-se/qa-s to arrive (here), na-se/na-s to reach (a place) (*q:a- hither, *na- thither).
 *s(a) -- B wa-se/wa-s snow, T tya-sa (snow) covers stg. (tya- on). To *se sit?
 *sa -- B sa/sa I (1st pers. sing.)
 *sa -- B sa/sa knife.
 *sa -- B xā-sa/sa to sow (xa- in a mass), T in compounds also put, stick in, e.g., g^oa-sa-n stick in besides g^oa-.
 *sa -- B ya-sa/ya-sa to accustom oneself to stg., K sa adaptable.
 *sese -- B sese/ses to sway, shake, tremble.

- *səgə -- B səʒ'ə/səg hump, crest (of bird), anvil, T xə-səʒ' crest of wave (xə sea).
- *səʒa -- Š sʒəpa/səʒa crystalline snow/sugar-crystals (as in ripe melon).
- *sətʒ'ə -- .../sətʒ' hoar-frost.
- *sən(a) -- B sənə T sənə/sən (stone) idol, statue.
- *sər(a) -- .../sər bitter (taste), sərə beer. Cf. *St:ərə.
- *sərə -- T sərə/sərə drawer (e.g. in cupboard).
- *sap:a -- B s̄ap:a/s̄aba dust.
- *sa(m)pa -- T s̄āpa/s̄āmpa sheath (for knife or dagger).
- *saʒə -- T sač'ə/sač' to castrate.
- *saxə -- B saxə/sax bar, gate.
- *sa(n)Txə -- T satxə/sa(n)tx stony height/height (geogr.). Cf. *Txə.
- *sax'ə -- .../sax' (quick)lime.
- *sax'a -- .../s̄ax'a ashes. Cf. *St:ax'a.
- *saq:ə -- B s̄āq:ə/s̄āq' (to be) careful. (Balk., Kar. saq id.).
- *sağa -- T s̄āğa/s̄āğa bee-bread/larvae and pupae of bees.
- *saʒ'ə -- T ɣa-saʒ'ə-ʒ'a-n/saʒ' to spoil/to be spoiled (of child).
- *sayə -- T sayə/say to be filled up (as ditch).
- *wəsay(a) -- T ya-wəsayə/... to lean stg. against stg., T ɣ'ya-wəsayə id. besides ɣ'(a)- stg.
- *s(a)ma (?) -- B s̄emāʒ'a/s̄emāğa ill, sick, B samag'ə/samag' left (side), cf. resp. *ga bad, *g'a- prefix besides.
- *sama -- B s̄āma/s̄āma heap.
- *sana -- B s̄āna/s̄āna grape, K also currant and antiquated honey, mead.

- | | | | |
|----------|---|------------|---|
| *phase | <u>to be worthy of stg.</u> | *tasa | K <u>dear (address)</u> |
| *pese | <u>futuere</u> | *tasa | K <u>to be neglected, allowed to develop unchecked</u> |
| *tese | <u>to sit down</u> | | |
| *dese | T <u>steep; stinging, sarcastic</u> | *Psəsa | K <u>fairy-tale</u> |
| *sese | <u>to sway, shake, tremble</u> | *č'asa | <u>beloved, lover</u> |
| *čhase | <u>to mount a horse</u> | *las(a) | <u>to wash, rinse, card (flax)</u> |
| *čhase | <u>surety, pledge</u> | *khesa | <u>pouch</u> |
| *lase | <u>on foot, unmounted</u> | *kəsa | T <u>to sprout, shoot (of plant)</u> |
| *lēse | B <u>cotton plug (in wound)</u> | *kasa | <u>late</u> |
| *kase | <u>prisoner of war</u> | *xasa | <u>conference, council, T also to discuss, consider</u> |
| *qase | <u>to reach, get to (lə-)</u> | | |
| *q'əse | <u>food, feed</u> | *kh'o(r)sa | <u>stripe</u> |
| *yase | <u>manly/tall and well-built</u> | *kh'asa | See *kh'aPsa |
| *wəse | <u>to compose (song), write (story)</u> | *g'əsa | <u>to take offence</u> |
| | | *qasa | <u>tame, quiet</u> |
| *wase | <u>snow</u> | *ğasa | <u>mowed harvest</u> |
| *phasa | <u>early, long ago</u> | *q'əsa | <u>to touch</u> |
| *wet:esa | B <u>to be dusty, pulverized</u> | *ğ'əsa | <u>companion, fellow-traveler</u> |

*pḡ°es(a)	T <u>sheepskin blanket</u> , S also <u>felt foundation in cradle</u>	*mes(a)	<u>guilty, culprit</u> , T also <u>foreign</u> , K also <u>dishonest, uneducable</u>
*ḥasa	<u>bed (in garden), plot</u>	*nesa	<u>(father's) brother's wife, daughter-in-law</u>
*wasa	<u>price</u>		

22. Ps

- *Pse -- B pse/pse water, river.
- *Pse -- B -pse/pse string, cord, lace, strap; handle; for W. Circ. cf. *laPse, q°aPse, etc. Cf. also *kaPsa.
- *Pse -- B ḡa-pse/ḡa-ps to arrange, bring in order, build, tune, train.
- *Pse -- T ya-pse-xe/ya-pse-x to dismount (ya-...-xe downward).
- *Ps(a) -- B q:-ya-pse/q°-ay-ps to shine (as sun, fire), itr. (*q:(a)- hither), T tya-psa/tay-psa to illuminate, itr. (*tḥya- on).
- *Ps(a) -- B pse/q°-ay-ps to sneeze (q°- hither), T tya-psa/... to sneeze (after a pronouncement) (tya- on).
- *Psa -- B psa/psa life, soul.
- *Psetḥa -- B psetḥa/... to swell, suffer from dropsy.
- *Psentā -- T psentā/... watery, thin (e.g. of "pasta").
- *Pseḡa -- T pseḡa/pseḡa flood, inundation.
- *Pseḥca -- B pseḥca/pseḥca bog, swamp, quagmire.
- *Psesa -- .../psesa fairy-tale. Cf. *ḡḥePsa.
- *PsePse -- T psePse/... gauze, cheesecloth.
- *Pse(n)ze -- B pseze T psenze/pseze mud, mire.
- *Pseḡ°(a) -- B pseḡ°a/pseḡ°a moisture, K also wet, to wet.
- *Pseḡ°a -- T pseḡ°a/pseḡ°a boiling water.
- *Psenč°a -- B psenč°a/psenč°a light, swift.
- *Pseḡa -- B pseḡa/pseḡa flask, K also marshy terrain.
- *Psex(a) -- T ya-psex/ya-psex to dismount, T da-psexa/... id. in an enclosure da-. S has ya-pskaxē.
- *Psexa -- T psexa/... lower reaches of river. Opposite T K pseḡḥa upper id.
- *Pseḡ°e -- S pseḡ°e/... island.
- *Pseḡa -- T pseḡa-psebla/pseḡa wet/wetness, moisture.
- *Pseḡ°e -- T pseḡ°e/pseḡ°e riverbank.
- *Pseḡ°a -- B pseḡ°a/pseḡ°a river(bed), channel.
- *Pseḡ°a -- B pseḡ°a/pseḡ°a thin (of cylindrical objects).
- *Pseḥ(a) -- T ya-pseḥa/pseḥ to temper (metals).
- *Pseḡa -- B pseḡa/pseḡa well/spring.
- *Pseḡḥa -- B pseḡḥa/pseḡḥa good deed/blessing.
- *wePsaPsa -- T wepsapsa-n/wepsāpsa to become damp (K also weḡāpsa).
- *Pseḡ°e -- B pseḡ°e/psaf pregnant (of animal).
- *Pseḡa -- B pseḡa/psāḡa word, speech, utterance.
- *Pseḡ°e -- B ze-ḡa-psafe/psax° to rest (ze- oneself).

- *Psağa -- T psāğa/... target (in shooting).
 *PsaTña -- .../psātña (a heathen god).
 *Psaye -- B psaye/psay black maple/spruce, fir.
 *Psawe -- B psawə/psaw to live, K also healthy (B psāwe), whole, all (B pst:awə).
 *Psawa -- T ya-psawa-n/... to take aim at stg.

- | | | | | | |
|----------|---|---|-----------|---|--|
| *PsePse | T | <u>gauze, cheesecloth</u> | *ŞhaPse | K | <u>light-headed, giddy</u> |
| *čʰ'ePse | | <u>a type of sauce</u> | *haPse | T | <u>wooden bowl</u> |
| *λaPse | | <u>leather shoestrap, shoelace</u> | *naPse | | <u>tear(s)</u> |
| *laPse | | <u>bouillon, broth</u> | *wePsaPsa | | <u>to become damp</u> |
| *PλaPse | | <u>shoulder-strap</u> | *čʰePsa | | <u>fairy-tale</u> |
| *kaPse | | <u>croup of horse</u> | *λaPsa | | <u>root, foundation/homeland</u> |
| *S'xaPse | | <u>glue, starch</u> | *kaPsa | | <u>string, rope</u> |
| *TK'oPse | | <u>drop (of water)</u> | *kʰePsa | | <u>center, pivot</u> |
| *x'ePse | K | <u>larva, grub</u> | *kʰa(P)sa | | <u>beardless</u> |
| *PxaPse | | <u>plane (tool)</u> | *g'ePsa | | <u>beloved; kind, good/cordial</u> |
| *q:°aPse | | <u>handle, haft, ear (of vessel)/rhizome</u> | *x°aPs(a) | | <u>to desire, be keen on, envy</u> |
| *q'°ePse | | <u>spittle</u> | *wePsa | | <u>to plane, shave (also the face)</u> |
| *g°aPse | T | <u>ichor, pus</u> | | | |
| *ñaPse | | <u>pit for keeping prisoners</u> | | | |
| *ŞhaPse | | <u>string to tie up top part of stg. (sack, trousers)</u> | | | |

23. z

- *ze -- B ze/ze to decant, filter, tr.
 *ze -- B ze/ze full (only w. local prefixes).
 *ze -- T ze/ze to (come loose and) fall or fly off, out, etc. (only w. local prefixes).
 *z(a) -- B z(a)/z(a) one (once).
 *za -- B za/za cornel fruit.
 *za -- B ġā-za/ġā-za to make turn, spin, tr., cf. also *x°arza, *Şha-za, etc.
 *za -- B fā-za/x°a-za to meet sb. (*x°a- for, to); possibly identical w. preceding (turn toward?).
 *za -- B za-/za- self; each other, cf. *zaŞh, *zaPq:(a), etc.
 *zeyā -- T da-ġa-zeyā/... to lift up, turn face up. To *za turn with da-...-ya upward.
 *weza(n)de -- B wezade T wezande/wezad to load (a gun).
 *za(n)da -- B zā(n)da/zāda steep.
 *zaze -- B zaze/zaz gall, bile.
 *wezaze -- T wezaze/... to treat or clean stg. (e.g. a tub) with boiling water.

- *zaž°e -- B zaž°e/zav narrow. Cf. *Pğ°eza.
 *zac°h°e -- B zaš°h°e/zaš to be bored, tired.
 *zanc°'(a) -- B zānc°'a/zānš'a straight, T wezanc°'e to straighten.
 *zala -- B zāla/zāla to get wrinkled (of skin), K also to wither.
 *zala -- B zāla/zāla a measure (breadth of one finger).
 *za^r/ng(a) -- T zanž°'e, zarež°'a Š zarg (-ga?) /zarega berries of the snowball tree, T zarž°'aya snowball tree.
 *zak°a -- Š zāk°a/... full, whole.
 *zax°e -- T zafe/... oatmeal.
 *zaPq:(a) -- Š zāpq:a/... straight, T wezapqe to straighten.
 *zanTž°e -- T zantž°e/zantž°e oats (K antiquated).
 *zaž°e -- T zaž°e/zaž°e becoming (of clothes)/easily digestible, easy to get on with, T ya-zaž°e/ya-zaž°e to consent/to accommodate oneself, be fitting, useful.
 *zaža -- B zāža/zāža to come to rest (of physical movement).
 *zaq:°a -- B zāq:°a/zāq°'a lonely, (a)lone.
 *zaš°h°e -- B zaš°h°e/zaš°h°e alike, similar.
 *zawa -- B zāwa/zāwa war, battle.

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|-----------|------------------------------------|-----------|--|
| *zaze | <u>gall, bile</u> | *q°aza | <u>skilful, doctor</u> |
| *wezaze | T <u>to clean w. boiling water</u> | *ğaza | <u>(re)turn, turnoff</u> |
| *ž°a(r)ze | <u>bronze/brass</u> | *ğaza | <u>measles (*š°a-)</u> |
| *Pleze | <u>to stare rigidly</u> | *q°h°eza | K <u>to sieve</u> |
| *že(r)ze | <u>to moan, groan</u> | *q:°ez(a) | <u>to compress, pull fast (as belt)</u> |
| *x°eze | <u>to press (as fruit)</u> | *q°eza | K <u>crooked, narrow, flat</u> |
| *q:aze | <u>goose</u> | *ğ°aza | <u>leader, pilot, target, sight (on gun)</u> |
| *ğaze | <u>to force, compel sb.</u> | *ğ°aza | T <u>to dry out slightly</u> |
| *ğ°aze | <u>haze, light fog, steam</u> | *Pğ°eza, | -ža <u>narrow, tight</u> |
| *weze | <u>pain, disease</u> | *narza | T <u>swan</u> |
| *maze | <u>forest</u> | *narza | T <u>to soar, hover</u> |
| *naze | <u>hem, border, edge</u> | *šhaza | <u>"vertjačka" (a disease of sheep)</u> |
| *t:aza | <u>crooked</u> | *maza | <u>moon, month</u> |
| *terza | T <u>to sport, gambol (horse)</u> | *naza | <u>squint-eyed</u> |
| *Tq°aza | T <u>twins</u> | | |
| *x°arza | K <u>to soar, hover</u> | | |

24. Pz

- *Pze -- B bze/bze female (< *š°ze < *š°eze).
 *Pz(a) -- B bz(a)/bz(a) to cut cloth, (in)tr., T tr. also to operate.
 *Pza -- B bza/bza language.
 *Pza -- B bza/bza bowstring, spring.

- *Pza -- B -bza/-bza intensely, strongly, quite (suffix w. color names, e.g. *Pʌe-ž'ə-Pza bright red, quite red).
- *wəPzət^ha -- .../wəbzeta to cut, shred.
- *Pzəx^oe -- T bzəfə/bzəx^o linden.
- *wəPzəx^oe -- .../wəbzəx^o to plan, make layout for, tr.
- *PzəPʰxa -- B bzəpʰxa/bzəpʰxa pattern (for cutting).
- *Pzəğa -- B bzəğa/bzəğa slice, piece, T cut-off piece.
- *Pzəğa -- B bzəğa/bzəğa clear (esp. about winter nights).
- *Pzeyə -- B bzeyə/bzey ray of light, K maḥa-bzey flame (maḥa fire).
- *Pzeyə -- .../bzey corn-stalk.
- *Pzəwə -- B bzəwə/bzəw sparrow, bird (generic).
- *PzaPza -- Š bzābza/... a type of grass.
- *Pzaga -- B bzāž'a/bzāga evil; to make mischief.
- *Pzaxə -- B bzaxə/bzax to disappear.
- *Pzak:^oa -- B bzāk:^oa/bzāg^oa dumb (without speech).
- *Pzag^oe -- B bzag^oe/bzag^o tongue.
- *Pzağa -- B bzāğa/... wrong (inner) side of textile.
- *Pzay(a) -- B bzāya, bzayə/bzay to lick, itr. and tr.

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|-----------------------------|--|-----------|--|
| *dəPzə | Š <u>veranda</u> | *č:aPza | <u>to become transparent by settling (of fluids)</u> |
| *č ^h ePzə | <u>mare</u> | *ʎaPza | K <u>mark on feet of domestic birds</u> |
| *yaPzə | <u>stable manure/slops, swill from stable manure</u> | *xaPza | <u>usage, tradition, law</u> |
| *č ^h ePza | B <u>autumn wool</u> | *PğəPza | <u>to curse</u> |
| *PzaPza | Š <u>a type of grass</u> | *q:aPz(a) | <u>clean, to clean</u> |
| *ç: ^o aPza, -Pʒa | <u>plowshare</u> | *ğəPza | <u>lament (song)</u> |
| *č ^h 'ePza | <u>sieve</u> | *TḥaPz(a) | <u>token, mark</u> |
| *ç ^h 'aPza | <u>bow and arrow</u> | *wəPza | <u>to try to ingratiate oneself</u> |
| *ç'aPza | <u>lining</u> | | |

25. ʒ

- *ʒə -- B ʒə/ʒə to become visible, apparent, usually w. local prefixes, but cf. B naf ma-ʒə/nax^o ma-ʒ it dawns, becomes light (*nax^oe light, *ma- dynamic prefix in 3rd pers. itr.).
- *ʒə -- T baž'a-ʒə/... jackal besides bāž'a fox.
- *ʒ(a) -- B ʒ(a)/ʒ(a) to weave (cloth, thread), braid (belt, lasso), (in)tr.
- *ʒa -- B ʒa/ʒa a hundred.
- *ʒəbe -- Š ʒəbe/... to fill (as sack).
- *ʒəPq:(a) -- B ʒəpq:a/ʒəp^q real, genuine, complete.
- *ʒəğ^oa -- B ʒəğ^oa/ʒəğ^oa to wear mourning.
- *ʒəḥ(a) -- B ʒəḥa, ʒəḥə/ʒəḥ deer.

- *weşey(a) -- T weşey(a)/weşey, ya-weşeya to admonish, exhort, K weşeyā-k°a teacher, instructor.
- *şena -- B şena/şena lamb.
- *şaba -- B şāba/şāba soft (material, character).
- *şaş(a) -- B şāşa/şāşa to crumble, fall apart, q:ə-y-ğa-şaşe/ǰə-y-ğa-şaş to pour out (dry substances), B also cause to rustle (as silk) (*q:- hither, y- hollow space).
- *şaşa -- B ʔ°ə-şāşa/ʔ°ə-şāşa to whisper (prob. identical w. preceding).
- *şale -- T ğa-şale/... year ğa with good harvest, S rainy weather.
- *şax°e -- B şafe/şax° secret.
- *şağa -- B şāğa/şāğa (round) braid, lace (as adornment).
- *şaya -- S şāya/... squirrel. Cf? B ş°āya rat.
- *şawa -- B şāwa/şāwa youth, esp. bridegroom, T also son.

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|---------|--|----------|--------------------------|
| *ş°aşe | <u>trust, confidence</u> | *welaşa | S <u>to pound, crush</u> |
| *weşe | <u>to trot</u> | *k:°eşa | <u>cradle</u> |
| *paşa | <u>big, ancestor</u> , S <u>grownup</u> | *k°aşa | T <u>to sneak up</u> |
| *deşa | <u>gold</u> | *Pxaşa | <u>weaver's comb</u> |
| *şaşa | <u>to crumble, be poured out, rustle</u> | *ğ°eş(a) | <u>to dry out, dry</u> |
| *şaşa | <u>to whisper (*q°e-)</u> | *weşa | T <u>to stuff, fill</u> |
| *Pşaşa | <u>girl/maiden</u> | *meşa | <u>bear</u> |
| *Pč°aşa | <u>leaf, foliage</u> | *naşa | T <u>brow-ridges</u> |

26. Pş

- *Pşe -- B pşe/pşe to get tired, K also to get out of breath.
- *Pşa -- B pşa/pşa neck, T q°aǰ 'ā-pşa/ǰ°aǰāpşa upstream end of village (*q:°aǰ'a).
- *Pşa(m)Pq°a -- B pşāpa S pşāpǰ°a/pşāmpa collar (of clothing).
- *Pşabe -- T pşabe/... back of neck.
- *Pşaşa -- B pşāşa/pşāşa girl/maiden.
- *Pşaǰ°e -- B pşaǰ°e/ pşaǰ° chain/collar (as of dog).

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|--------|--------------------------|--------|--------------|
| *laPşe | <u>god of the smiths</u> | *ǰaPşa | <u>wrist</u> |
| *laPşa | <u>ankle</u> | | |

27. ʒ

- *ʒe -- B ʒe/ʒe old; inveterate.
- *ʒ(a) -- B ʒa/ʒa to be baked, roasted, scorched, T p-ya-ʒe to burn the end p- of stg. (e.g. one's hand); prob. also in T ʒa-ğa-weze/ʒa-n consumption (-ğa -ness, weze disease, -n verbal noun).

- *za -- T p-ya-za-n/p-ay-za to go to meet sb., often 2nd element w. verbs of motion: *p^h-ya-č:a-za run to meet, etc.
- *za -- T za-zəya/zə-zay kidneys. Cf. next item.
- *zəya -- B -zəya/-zay small.
- *zaza -- B zāza/zāza slow, lingering, dawdling.
- *zarq:ə -- S zarq:ə/... pole w. branches on which herdsmen hang sacks, etc.
- *zawə -- B zawə/... Russ. xozjain.
- *zama -- T zāma/... a kind of cakes baked for funeral repast.

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|----------------------|--------------------------------|-------|--|
| *p ^h əzə | <u>hedgehog/blackthorn</u> | *yəzə | <u>antiquity, ancient</u> |
| *Pse(n)zə | <u>mud, mire</u> | *nazə | T <u>to be keen on stg. (ya-)</u> |
| *g ^o əzə | T <u>anger, malice, grudge</u> | *zaza | <u>slow, lingering, dawdling</u> |
| *Sx ^o əzə | <u>pelvis</u> | *xəza | <u>to hurry/to be bold, decisive, frenzied</u> |
| *q ^h əzə | <u>pear</u> | *ğaza | <u>to solder</u> |
| *ğ ^o erzə | B <u>roof-tiles</u> | | |

28. Pz

- *Pza -- B bza/bza horn, drinking-vessel, in compounds also nail, hoof.
- *Pzap^ha -- T bzāpa/bzapa precipice.
- *Pzas^oə -- B bzās^oə/bzaf feeding-bottle. T also bzās^oə.
- *Pzala -- T bzāla/... round basket used as form for cheese.
- *Pzāq:°a -- B bzāq:°a/bzāq^oa horn (of cow, etc.).
- *Pzana -- B ?a-, la-bzāna/?a-, la-bzāna finger-, toe-nail.

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|----------------------|--------------------|--------|------------------------------------|
| *p ^h aPza | <u>bush, shrub</u> | *laPza | <u>hoof, claw/root, foundation</u> |
| *čəPza | T <u>to swell</u> | | <u>tion</u> |

29. Š, Šq

(The possibility Šq as opposed to š has been reported for Šqa to know only).

- *še -- B še Š še/še to make, build, tr.
- *ša -- T pe-ša-n/pe-ša to tie stg. to (the front end pe-) of stg., tr.
- *ša -- T tya-ša-n/... to pass (of time, tya- here since), in K only in the expression k^oad š-ā-wa long ago, lit. much k^oad having passed (-ā past, -wa modal case).
- *Šqa -- B ša Š šqa/ša to know, tr., to perform, itr.
- *šaka -- T šāč'a/šāka weeds, K also chaff.
- *šaxe -- B šaxe Š šaxe/šax quickly, soon.
- *šag^oa -- B šāg^oa/šāg^oa important, interesting, rare, T also miraculous; B ga-šāg^oa/ga-šāg^oa to astonish.

*š ^o əš ^a	<u>beneficent, benefit, good deed</u>	*š ^a š ^a	<u>life(time)</u>
*ləš ^(a)	<u>hired worker; earn as id.</u>	*š ^o əš ^(a)	<u>to build (as dam)/dam</u>
laš ^(a)	<u>century (-š^o(a))</u>	*š ^o əš ^a	<u>to quarrel, swear, grumble</u>
		*š ^o əš ^a	T <u>to prance (of horse)</u>

30. Pš

*Pš(a) -- B pš(a)/pš(a) ten (times).

*Pš(a)Pš(a) -- T pšāpš^a/pšēpš^a to ferment, boil/to glitter, be iridescent.

*Pš(a)Pš(a) to ferment, boil, glitter *naPš^a brow-ridges

*š^oəPš^a lips

31. č^h

*č^hə -- T bzaġ^o-rā-č^oə/bzaġ^o-ra-f to articulate badly, to burr (*Pza-g^oə tongue, -rā/-ra- instrumental), cf. also T la-bġ^oə-č^oə walking with slanting feet (la foot, bġ^oə side). Prob. to be combined w. next item.

*č^hə -- B ʔa-be-č^hə/... mitt; possibly hand-hollow-slide (cf. *č^hə-š^oa), though -be- may also be an extension of ʔa (cf. *la-be heel), or may represent a variant of connective -m-.

*č^həš^oa -- B č^həš^oa/... to creep, slide.

32. č^o

*č^oə -- B č^oə/və bull, ox.

*č^oəndə -- B č^oəndə/vənd rook.

*č^oə(n)Tš^a -- B č^oəntš^a T č^oəntš^a/... to tear up.

*č^oəPš^a, -Pza -- B č^oəbš^a/vābš^a plowshare.

*č^oəāq^a -- B č^oəāq^a/vāq^a shoes.

*Pš^oč^oə rafter/brace between rafter and beam *wəč^oə to stand, stand up(on), stop, halt, B also to get tired

*Tš^oč^oə wheat-flour dough

33. š^o

*š^oa -- T š^oa/... to dam, fill, block up.

*ha(n)š^oa haystack, rick

34. s°

- *s°e -- B s°e/fē to get wet; to rot.
- *s°e -- B wa-s°e/... hail (meteorol.) (wa- sky, weather).
- *s°e -- B -s°e/-f suffix to be able to.
- *s°(a) -- B ye-s°e/ye-f to drink, tr. (ye- hollow, container), B ya-s°a/ya-fa to drink, itr.
- *s°a -- B s°a/fa hide, skin, leather, bark of tree, peel, etc.
- *s°a -- B s°a/fa color, appearance, T warade-s°a melody (warade song), cf. *Pq:e. Orig. identical w. preceding item.
- *s°a -- B s°a/fa you, pl.
- *s°a -- B q:ā-s°a/qā-fa to dance (*q:a- hither), T la-pa-rē-s°a to dance on the tips pa of the feet la (-rē- instrumental), T šha-ğā-s°a with shaking head šha; cf. also *weš°aš°a.
- *s°eze -- B s°eze/fēz woman.
- *s°e(n)č°e -- B s°eč°e/fēš° to rob/to pluck (a bird), T s°enč°e/pe-fēš°-k to tear up/to tear off (as fruit from tree) (pe- tip, -ke out of, away from).
- *s°ampā -- T s°āmpā/... husk, skin, peel.
- *s°at:a -- B s°āt:a/fāda a beverage made of corn; beverage (generic).
- *s°ant:e -- B s°ant:e/fand wineskin (B antiquated).
- *weš°aš°a -- T ġa-weš°āš°a/wefāfa to (T cause to) rock, sway; caus. also to show (K by waving stg.).
- *s°aš:(a) -- B s°āš:a/fāša outfit, costume, uniform; to be worthy, fitting, K ġa-faš to equip, adorn.
- *s°apžē -- T s°abžē/fabž blow, stroke/maiming, mutilation.
- *s°ala -- B s°āla/fāla vessel, cup.
- *s°aga -- T s°āž°a/fāga luckless/ugly, unattractive.
- *s°ax°e -- T s°afē/fax° plain, steppe, smooth side of knucklebone used in bone game/bald.
- *s°aq:°e -- T s°aq°e/fad° bald.
- *s°(a)ğ°a -- B ya-s°eğ°a/fēğ°a to envy/envy (noun), T tya-weš°ağ°a-n to envy (tya- on, etc.).
- *s°ağ°a -- B s°āğ°a/fāğ°a pale.
- *s°aya -- B s°āya/... rat.
- *s°awe -- B s°awe/faw honey.

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|-----------|---|-----------|---------------------------|
| *Psaš°e | <u>pregnant (of animals)</u> | *Pseš°(a) | <u>moisture</u> |
| *Pzaš°e | <u>feeding-bottle</u> | *weš°aš°a | <u>to rock, sway</u> |
| *ğ°aš°e | T <u>saline soil; dust-colored, dusty</u> | *č°eš°a | <u>human skin, body</u> |
| *waš°e | B <u>hail</u> (meteorol.) | *laš°(a) | <u>to pull, drag</u> |
| *naš°e | <u>blind</u> | *laš°a | <u>harrow</u> |
| *thas°a | K <u>field of grass, glade</u> | *Pleš°a | <u>appearance/quality</u> |
| *wet:aš°a | <u>to misbehave, T also to get drunk</u> | *gaš°(a) | <u>smooth</u> |
| | | *kaš°a | S <u>ceiling</u> |

*xaš ^o a	B <u>steppe</u>	*q ^o eš ^o a	<u>shore, bank, edge</u>
*xaš ^o a	See *Pxaš ^o a	*ñaš ^o a	<u>rubber</u>
*k ^o :eš ^o a	<u>sidewall of cart</u>	*haš ^o a	<u>coat of mail</u>
*g ^o eš ^o a	S <u>glade</u>	*weš ^o a	K <u>to cover</u>
*Pxaš ^o a	<u>treebark</u>	*waš ^o a	<u>sky, heaven</u>
*qh ^o aš ^o a	<u>boat</u>	*wenaš ^o a	<u>order, decree</u>
*qh ^o aš ^o a	<u>trough, gutter</u>		

35. z^o

*z ^o e	-- B z ^o e/ve <u>to thaw (out), itr.</u> , cf. also T wa-z ^o -bāna/wa-v-bāna <u>rainy/prolonged rain</u> (K with dissimilation also walbāna), T wa-ya-z ^o a-ya <u>bad weather, rainstorm</u> (wa <u>sky, weather</u> , ya <u>bad</u>).
*z ^o a	-- B z ^o a/va <u>to plough, itr. and tr.</u>
*z ^o a	-- B z ^o a/va <u>to be boiled (of food), itr.</u>
*z ^o a	-- S z ^o a/... <u>oar</u> .
*z ^o enTxa	-- T wez ^o entxa/... <u>to spit</u> (K webzetxa).
*z ^o eğa	-- T z ^o eğa/... <u>mass, multitude</u> .
*z ^o ewe	-- B z ^o ewe/vew <u>to buzz, hum, itr.</u>
*z ^o at:e	-- B z ^o at:e/... <u>to make merry</u> .
*z ^o az ^o e	-- T pa-z ^o az ^o e/... <u>to drip off</u> (pa- <u>tip</u>).
*z ^o ak ^h e	-- B z ^o ak ^h e/... <u>red-hot coals</u> .
*z ^o ax ^o a	-- T z ^o āfa/... <u>oil cakes for cattle</u> .
*z ^o arq ^h e	-- B z ^o arq ^h e/... <u>troubled (of water), stifling</u> . Cf. *weš ^o arq ^h e.
*z ^o apxe	-- B ġa-z ^o apxe/ġa-vapx <u>to pour boiling water over stg.</u>
*z ^o apx ^o e	-- T z ^o apx ^o e/... <u>girl in relation to wet-nurse</u> .
*z ^o a(š)ǰ ^o e	-- T z ^o aǰ ^o e-ġa/vašǰ ^o <u>oversight, omission/to make an id.</u> (-ġa <u>past</u> , also suffix for nomina actionis and abstracta).
*z ^o ağ ^o a	-- B z ^o āğ ^o a/vāğ ^o a <u>star</u> .

*baz ^o e	(year w. good) <u>harvest</u>	*čez ^o (a)	<u>to make off/to whirl, fly</u>
*čez ^o e	<u>bug, T a kind of fly</u>	*Psez ^o a	<u>boiling water</u>
*zaz ^o e	<u>narrow</u>	*laz ^o a	T <u>to be late, overdue</u>
*z ^o az ^o e	T <u>to drip off</u>	*g ^o ez ^o a	<u>to be late</u>
*q ^o ež ^o e	<u>thick (layer, fluid), fat</u>	*ğaz ^o a	<u>grain harvested</u>
*ñaž ^o e	<u>puppy</u>	*mez ^o a	<u>stone</u>

36. š^o

*š ^o e	-- B š ^o e/... <u>liver</u> .
*š ^o (a)	-- B š ^o e/īe <u>good</u> , B -š ^o a/-īa <u>good</u> , B ġa-š ^o a-n/ġā-īa <u>to pamper, spoil</u> , T also <u>to cherish (a person)</u> .
*š ^o eč(a)	-- B š ^o eča S š ^o eša/īeča <u>black</u> , B weš ^o eče/wefēč <u>to become black</u> .

- *š^oəš^a -- B š^oəš^a/fēš^a beneficent, benefit, good deed.
 *š^oəč^a -- T š^oəč^a/fēš^a gratitude.
 *š^oəλə -- B š^oəλə/... to suck.
 *š^oən^kə -- B š^oənč^a/kēf (metathesis) dark, B wəš^oənč^a/wēfēnk, wēnkēf
to go out (as light), be extinguished. Cf. *kēš^oə.
 *š^oəyē -- T š^oəyē/... to squeak, cheep.
 *š^oəbā -- T š^oəbā/... (to do stg.) in a hurry.
 *š^oəašə -- B š^oəašə/fāš trust, confidence.
 *š^oəāla -- B š^oəāla/fāla front legs of horse, cattle, K also hoof.
 *wəš^oərq^hə -- T š^oəwəš^oərq^hə SM -xə/... to trouble, make muddy. Cf. *z^oərq^hə.
 *š^oəa^oə -- B š^oəa^oə/fā^o (to turn) sour.
 *š^oəayē -- B š^oəayē/fāy dirty.
 *š^oəāna -- B š^oəāna/fāna hoe.

*kēš ^o ə	<u>dark(ness)</u>	*Pž ^o əš ^o a	<u>stately</u>
*qāš ^o ə	<u>sweet</u>	*g ^o əš ^o a	<u>to be glad</u>
*waš ^o ə	<u>fine weather</u>	*Pq:əš ^o a	<u>well-built</u>
*naš ^o ə	<u>benevolent</u>	*g ^o əš ^o (a)	<u>easy</u>
*Pš ^h ‘aš ^o (a)	<u>cook; to cook</u>	*maš ^o a	<u>fire</u>

37. č^h

- *č^h‘ə -- B š^h‘ə-/šə- salt, cf. *č^h‘əğ^oə, *č^h‘əwə, poss. also *č^h‘əPse.
 *č^h‘(a) -- B š^h‘ə/šə to milk, tr., B š^h‘a/ša milk.
 *č^h‘(a) -- B š^h‘(a)/š(a) to take, bring, lead, drive out of (resp. into), tr.
 *č^h‘(a) -- B š^h‘ə/šə to bend, T to twist (rope), B ya-š^h‘a-č^h‘ə/ya-ša-k to wind stg. around stg. (*ya-...-k around) (cf. also *č^h‘əña), B -š^h‘a/-ša crooked, cf. *q^oəč^h‘a, *nač^h‘a, etc.
 *č^h‘a -- B š^h‘a/ša arrow, bullet.
 *č^h‘ədə -- B š^h‘ədə/šəd donkey.
 *č^h‘əta -- T š^h‘əta/šəta to massage, T also to squeeze, squash.
 *č^h‘əPse -- B š^h‘əpse/šəps Circassian national sauce (cf. also š^h‘əbž‘əyē/šəbžəy pepper).
 *č^h‘əPza -- B š^h‘əbza/šəbza sieve.
 *č^h‘əla -- B š^h‘əla/šəla raw silk (Tu çile yarn, (silk) thread).
 *č^h‘əla -- B š^h‘əla/šəla middle (of summer, winter). Cf? *č^h‘aga.
 *č^h‘əğ^oə -- B š^h‘əğ^oa/šəğ^o salt.
 *č^h‘əñ(a) -- B š^h‘əña/ya-šəñ to provoke sb.
 *č^h‘əña -- T š^h‘əña/šəña to roll, wind, wrap, B k^o‘ačē-š^h‘āñā-n to wrap up (k^o‘ačē- inside).
 *č^h‘əwə -- B š^h‘əwə/šəw to salt, tr.
 *č^h‘əne -- B š^h‘əne/šən pus, abscess, boil.

- *č^h'ena -- B š^h'ena/šena to be afraid.
 *č^h'ere -- B š^h'ere/šer young of animal, cub, fledgeling.
 *č^h'at^ha -- B š^h'at^ha/šāta film on milk/cream.
 *č^h'apza -- B š^h'ābza/šābza bow and arrow.
 *č^h'ak^he -- B š^h'ač^h'e/šak to bear, put up with. Cf. *č^h'(a)ḡa.
 *č^h'ak^he -- B š^h'ač^h'e/šak suspicion, doubt. (Tu šek doubt, but cf. also next item).
 *č^h'ak^h(a) -- B š^h'ač^h'e, š^h'āč^h'a/šak, šāka to weigh, (in)tr.
 *č^h'aga -- T š'aḡā-ḡ^oa/šagā-ḡ^oa noon, dinner-time (ḡ^oa time). Cf. *č^h'ela.
 *č^h'(a)ḡa -- B š^h'āḡa/šeḡa to put up with, withstand (a burden). Cf. *č^h'a-k^he. T š'araḡ
 *č^h'arḡe -- B š^h'arḡe/šarḡ wheel (Tu çark, Pers. çarx).
 *č^h'apḡe -- B š^h'apḡe/šapḡ small shot.
 *č^h'(a)ye -- T š'aye/šey to stick out (one's arm, finger).

*p ^h ač ^h 'e	<u>room</u>	*p ^h ač ^h 'a	<u>leader</u>
*bač ^h 'e	<u>stick</u>	*lač ^h 'a	<u>lame, K also w. crooked legs</u>
*zač ^h 'e	<u>to be bored, tired</u>	*xač ^h 'a	<u>spy, scout/informer</u>
*ga ^(r/n) č ^h 'e	<u>bean, pea</u>	*Txəč ^h 'a	<u>hunchbacked</u>
*k ^h oáč ^h 'e	B <u>to migrate (of nomads)</u>	*ḡoáč ^h '(a)	<u>to distribute, divide</u>
*x ^o ač ^h 'e	<u>cramp, convulsion</u>	*q ^o a(n)č ^h 'a	<u>crooked; unjust</u>
*ḡáč ^h 'e	<u>milk, milk products</u>	*ḡ ^o əč ^h 'a	<u>w. crooked mouth/crooked, bent</u>
*ḡ ^o ač ^h 'e	T <u>to lead sb. to meet sb.</u>	*x ^o əč ^h 'a	<u>mass, multitude, K also herd</u>
*weč ^h 'e	<u>to wake up</u>	*nač ^h 'a	<u>squint-eyed</u>
*mač ^h 'e	<u>millet (on the field)</u>		
*neč ^h 'e	<u>animal killed in honor of guest</u>		

38. Pč^h'

- *Pč^h'a -- B pš^h'a/pša cloud(s).
 *Pč^h'en(a) -- T pš'en(a)/pšen to compensate, pay a debt, (in)tr., K pšenā-k^oa debtor (k^oa to go, also forms nomina agentis).
 *Pč^h'ena -- B pš^h'ena/pšena accordion, B š^he-č^h'a-pš^h'ena/šekapšena native violin, lit. horse-tail violin.
 *Pč^h'ap^ha -- B pš^h'ap^ha/pšāpa dusk (T irregularly pč'āpa).
 *Pč^h'ap^he -- B pš^h'ap^he/pšap^h twilight.
 *Pč^h'aḡ^oa -- B pš^h'āḡ^oa/pšāḡ^oa mist, haze.
 *Pč^h'are -- B pš^h'are/pšar fatty layer, fat (as noun and adj.).

39. č:'

- *č:'ela -- B č:'ela/žela seed(s), stone (of fruit).
 *č:'ela -- B č:'ela/žela (population of) village, aul. Prob. = preceding.

- *č: 'ež' a -- B č: 'ež' a/žəza far.
 *č: 'aš: 'e -- B č: 'aš: 'e/žaš night, cf? B nə-č: 'a-p:a/nə-ža-ba last night, tonight, where the elements *nə-...-p:a, recurring in B n-ya-p:a/n-aw-ba today (cf? *wa sky with dissimilation in W.Circ.?), etc., are unclear.
 *č: 'ame -- B č: 'ame/žam cow.
 *č: 'ane -- B č: 'ane/žān sharp, energetic, lively; pen-knife, T also razor. (Cf? Georg. žani health, strength, from Pers. žan soul).

40. Pč: '

- *Pč: 'e -- B pč: 'e/bže pike, lance, spear, T pag^oa-pč' e fish-spear. Cf. *Pč: 'ağ^o e and possibly B pč: 'eč' a lightning.
 *Pč: 'a -- B pč: 'a/... waist (T pč' ana).
 *Pč: 'ag^o e -- B pč: 'ag^o e/... middle, center, circle. Cf. *g^o ePč: 'a.
 *Pč: 'ağ^o e -- B pč: 'ağ^o e/bžağ^o stake, pole.
 *Pč: 'aye -- B pč: 'aye/bžay plane tree.
 *Pč: 'ane -- B pč: 'ane/bžan she-goat.

- *ğ^o aPč: 'a brownish *g^o ePč: 'a B middle, center, circle

41. ž'

- *ž' e -- T šhā-ž'/šhā-ž everyone (šhā head).
 *ž' ele -- T ž' ele/žel- twelve-year animal cycle (Tu yıl, Kar žil year).
 *ž' a(r) ze -- T ž' arze/žaz bronze/brass, B ž' aže bronze w. assimilation. (Nogay yez, ultimately from Mongolian zes copper).
 *ž' ala -- T ž' āla/žāl withers (of horse).
 *ž' axa -- T ž' axā-š^o a/žaxā-fa (surface *š^o a of) floor in house. Cf? T ž' aneq^o a place before the hearth.
 *ž' ağ^o (a) -- B ž' āğ^o a/žāğ^o a odious, unpleasant, T also enemy, B wəž' ağ^o e/wəžāğ^o a to get fed up with sb., tr. Cf? K yež evil design, envy, yeža to envy, itr.

- | | | | |
|-------------------------|----------------------------------|------------------------|--|
| *laməž' e | <u>bridge</u> | *baž' a | <u>fox</u> |
| *k ^h anž' e | <u>shallow</u> | *q: anž' a | <u>magpie</u> |
| *P ^x anž' e | <u>distorted, crooked, wrong</u> | *q: ^o až' a | <u>village, aul</u> |
| *Pğ ^o ənž' e | <u>inclined, bent, crooked</u> | *ħaž' (a) | <u>to grind</u> |
| *Pğ ^o až' e | 5 <u>steppe</u> | *marž' a | (interjection) <u>"let's go!"</u>
<u>/call (to a group)</u> |
| *be(n)ž' (a) | <u>navel</u> | | |

42. Pž'

- *(P)ž' aməšxe -- T ž' aməšxe/bžaməšx spoon. Cf. *šx(a) to eat; -mə- poss. syllabified connective (cf. *laməž' e).

*ǵ°ePǰ°e Tuesday

43. č'

- *č'°e -- B č'°e/š°e-māx°a winter (māx°a day).
- *č'a -- B č'a/š°a new, young, fresh.
- *č'a -- T š'°e-č'a/š°e-š°a to be in need, to be wanting (*š'h'°e- general deixis).
- *č'a -- B °°e-č'a/°°e-š°a to meet, itr. (°°e- approaching, close).
- *č'°ebe -- B č'°ebe/š°eb back, rear.
- *č'°et°a -- B č'°et°a/š°eta to soak, itr. Cf? *Tñač'(a).
- *č'°eš°a -- B č'°eš°a/š°efa human skin; body.
- *č'°ek°e -- T p°e-č'°ek°e/p°e-š°ek°e to break off, T itr. K tr. (p°e- tip).
- *č'°ex°e -- B č'°ef°e/š°ex°e pale/bluish, birch-color.
- *č'°eq°°e -- B č'°e°°e/š°e°°e button(s), fastening, T also č'°e°°e w. dissim.
- *č'°eq°°e -- B č'°e°°e/š°e°°e upper part, top side.
- *č'°eñ(a) -- T č'°eñ-a-k°eñ-a/š°eñ esteem, honor, authority.
- *č'°ap°e -- B č'°ap°e/š°ap hemp.
- *č'°apa -- T λa-č'°apa/λa-n-kāpa calf of leg/shin (λa leg).
- *č'°ath°e -- B č'°ath°e/š°at saucer, "podstavka". Cf. next item.
- *č'°aža -- B č'°aža/š°aža lining, "vsjakaja podkladka". The lack of ā in K points to š°a- under.
- *č'°asa -- B č'°asa/š°asa beloved, lover.
- *č'°apza -- B č'°abza/š°abza lining. See comment under *č'°aža.
- *č'°ač'(a) -- T č'°ač'°e/š°aš°(a) watch- or sleeping-tower in forest or field. See comment under *č'°aža.
- *č'°ala -- B č'°ala/š°ala youth, young man, boy.
- *č'°ak°a -- B č'°ak°a/š°ak°a felt cloak, "burka".
- *č'°aq°°a -- T č'°aq°°a/š°aq°°a bread.

- | | | | |
|-------------|---------------------------------|----------------|---|
| *tač'°e | <u>to undress, tr.</u> | *zanč'a | <u>straight</u> |
| *š°e(n)č'°e | <u>to pluck (bird), tear up</u> | *š°eč'a | <u>gratitude</u> |
| *λač'°e | <u>to rub off, clean</u> | *č'°ač'(a) | <u>watch- or sleeping-tower</u> |
| *kač'°e | <u>short (T of time only)</u> | *wePλa(n)č'(a) | <u>to fold in four</u> |
| *ǵeč'°e | <u>to wash (laundry)</u> | *x°eč'(a) | <u>to wash the head</u> |
| *k°ač'°e | <u>lap (portion of body)</u> | *q°e(n)č'(a) | <u>to push, shove</u> |
| *Tq°ač'°e | <u>twenty</u> | *Pq°ač'(a) | <u>flattened, thin (also of fluids)</u> |
| *nač'°e | <u>empty</u> | *Pq°ač'a | <u>to stir, K also to hurry</u> |
| *p°ač'a | <u>mustache</u> | *Tq°ač'a | T Š <u>valley between mountains</u> |
| *peč'a | <u>to freeze, feel cold</u> | *x°e(n)č'a | <u>to rob, T also raid</u> |
| *Pšenc'a | <u>light, swift</u> | | |

*Tʰə(n)č̣'a	<u>to scrape, plane</u>	*Tʰač̣'(a)	<u>to wash</u>
*g̣əč̣'a	<u>to dry out</u>	*mač̣'a	<u>(a) little, few</u>
*nač̣'a	<u>guest</u>	*nač̣'a	<u>to chaff, tease, mock</u>

44. Pč'

- *Pč'(a) -- B pč'a/pšə to weed, tr., K also to clean rough wool, B pč'a/pšə to weed, itr.
- *Pč'(a) -- T pə-pč'a/pə-pšə to stick to, itr. (pə- tip; also w. other local prefixes), T g̣a-pč'ə/g̣a-pš to glue, stick on, tr.
- *Pč'a -- B pč'a/pšə price, importance, K also honor.
- *Pč'əñ(a) -- T pč'əñāpa/pšəñ, pšəñāpa dream. Relation to B pč'əña T pč'əña K pšəña-šha evening uncertain; the correspondence B pč':/pš is irregular.
- *wəPč'atʰa -- T wəpč'ata/wəpšāta to cut (e.g. meat), to shred.
- *Pč'anta -- B pč'anta/pšānta to sweat.
- *Pč'aša -- B pč'aša/pšāša leaf, foliage.
- *Pč'awe -- B pč'awe/pšaw to yelp. Cf. *Pčawe.

*wə(P)kaPč'ə	<u>to husk, peel, clean</u>	*kʰəPč'(a)	<u>core, centre, kernel</u>
*wəTxePč'ə	<u>to shake out (as rug)</u>	*g̣əPč'a	B <u>having a good memory</u>
*q̣əPč'(a)	<u>articulate, clear, distinct</u>	*q̣əPč'a	<u>piece, portion, (*Txe-)</u> <u>vertebra</u>
*pʰaPč'a	<u>because of</u>	*wəPč'a	<u>felt</u>
*wə(P)kaPč'a	<u>to be buttoned, fastened</u>	*wəPč'(a)	<u>to mow off, cut off</u>

45. šh'

- *šh'ə -- B šh'ə/šə to shear (sheep), tr.
- *šh'əpʰa -- B šh'əpʰa/šəpa first/for the first time.
- *šh'əkə -- B šh'ək'ə-n/šək' to give oneself airs, K also to be surfeited (*šh'ə- poss. separable prefix, cf. T ṣ̌ə-a-m yə-č̣'ə-g̣ he gave himself airs, lit. came out of his skin).
- *šh'əg̣(a) -- B šh'əg̣ə/šəg̣a beads.
- *šh'atʰa -- B šh'atʰa/šāta to sigh.
- *šh'aq̣'ə -- B šh'aq̣'ə/šaq̣' to moan.

*kəšh'ə	<u>smithy</u>	*šhāšh'a	<u>bow, greeting</u>
*wašh'ə	<u>axe</u>		

46. Pšh'

- *Pšh'a -- B pšh'a-rā-ñə T pš'a-re-ñā/pšāfa, pšaf young man serving elder; cook/to cook, itr., cook; to cook, tr. (For -rā- see under *çh'ə;

the identity of the other segments is not certain).

47. š:´

- *š:´e -- B -š:´e/-šə lodging with roof (for guests, animals). Cf. *k:´aš:´e.
 *š:´(a) -- B š:´(a)/š(a) three (times).
 *š:´a -- B š:´a/ša to sell, tr.
 *š:´eš:´e -- B š:´eš:´e/šəš to neigh.
 *š:´ax^o(a) -- B š:´afa, q:a-š:´afe/šax^oa, qa-šax^o to buy, itr. and tr. (*q:a- hither).

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|-----------|--------------------------|-----------------------|---|
| *t:eš:´e | <u>relatives of wife</u> | *qaš:´e | <u>cattle-enclosure/cattle</u> |
| *č:´aš:´e | <u>night</u> | *g ^o eš:´a | <u>pityful, alas!</u> |
| *š:´eš:´e | <u>to neigh</u> | *g ^o aš:´a | <u>princess, husband's mother, T also wife, K also doll</u> |
| *k:´aš:´e | <u>shelter for cart</u> | *g ^o aš:´a | <u>to lose one's way</u> |

48. Pš:´

- *Pš:´e -- B pš:´e/pšə feudal prince.
 *Pš:´e -- B pš:´e/pšə to measure (dry substances), to fill (a sack, the traditional measure of dry substances). Cf. *Pš:´ala.
 *Pš:´e -- B pš:´e/pšə to swell up.
 *Pš:´e -- B č´a-ša-pš:´e/šā-ša-pš to winnow (*č´a- down, under).
 *Pš:´a -- B ya-pš:´a/ya-pša to blow at stg., itr.
 *Pš:´eš:´e -- B pš:´eš:´e/pšəš serf, slave.
 *Pš:´eq:´o a -- B pš:´eq:´o a/pšəq^oa husband's brother.
 *Pš:´eq^oa -- B pš:´ā^oa/pšə^oa temporary lodging of wattle.
 *Pš:´ePš^oe -- T pš´epš^oe/pšəpš^o husband's sister.
 *Pš:´ala -- B pš:´āla/pšāla container used for measuring dry substances.

- *Tq^oePš:´e to release, set free *naPš:´a B to pant, breathe heavily

49. ž´

- *ž´e -- B ž´e/žə air, wind.
 *ž´e -- B ž´e/žə-wa early (-wa modal case), T ša-ž´e to quicken, hasten.
 *ž´e -- B ž´e/žə to comb (hair), tr. Cf. *maž´a.
 *ž´e -- B -ž´e/-žə suffix -colored, cf. *Plež´e, etc.
 *ž´(a) -- B ž´ā-bž^oa/ye-ž right side (bž^oa side, ye- prob. 3rd pers. sg. possessive); T has irregularly ž´ābž^oa.
 *ž´a -- B ya-ž´a/ya-ža to go, leave, itr.

- *ž'a -- B f-ya-ž'a/x^o-ay-za to begin, undertake, itr. (*x^o- for, to).
 Prob. identical w. preceding item.
- *ž'ex^oe -- B ž'efe/žex^o fan.
- *ž'erġa -- B ž'ebġa/žebġa wind.
- *ž'aw(a) -- T ž'āwe/žāwa shadow, shade, K also parasol, umbrella.

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|----------------------|------------------------------------|----------|--|
| *Plež'e | <u>red</u> | | <u>fault, to wear out (of clothes)</u> |
| *(P)kēž'e | <u>to fade (of fabrics)</u> | | |
| *x ^o ež'e | <u>white</u> | *ñež'a | <u>to yearn, pine</u> |
| *ġ ^o až'e | <u>yellow</u> | *yaž'a | <u>ashes</u> |
| *č:'ež'a | <u>far</u> | *wež'(a) | <u>weasel</u> |
| *laž'(a) | <u>to work (at), work, misery,</u> | *maž'a | <u>comb</u> |

50. Pž'

- *Pž'e -- B bž'e/bže yoke.
- *Pž'a -- B bž'a/bža bee.
- *Pž'eš^oa -- B bž'eš^oa/bžefa stately.
- *Pž'ePž'(a) -- T q-ya-bž'ebž'a/bžebž to burn, smart (q- hither).
- *Pž'eġa -- B bž'eġa/bžeġa grease-stain on clothing.
- *Pž'ene -- B bž'ene/bžen onion.
- *Pž'aš^oča -- T bž'āš^oa/bžāpča drone.
- *Pž'aq^oa -- B bž'ā^oa/bžā^oa bee-garden, apiary.

- | | | | |
|-------------|---------------------------|-----------|---------------------------|
| *nePž'e | <u>age, K also shadow</u> | *čePž'a | <u>bumblebee</u> |
| *Pž'ePž'(a) | <u>to burn, smart</u> | *lePž'(a) | <u>to fry/a meat-dish</u> |

51. č^h

- *č^he -- B š^he/še sibling, brother.
- *č^he -- B š^he/še horse.
- *č^ha -- B š^ha-/ša- beeswax, cf. *č^hak^h^oa, *č^hax^oe; cf? also K maze-š wood-pitch, resin (maz wood, forest).
- *č^hePsa -- B š^heψsa/šeψsa fairy-tale. The word exhibits metathesis, cf. B pš^hasa-ž id. (ž old), T pšesa (SM šeψsa). K also pšesa. Cf. further B g^oe-pš^hesa/g^oeψesa to think where K again has dentals. The original form can alternatively be *Pč^hesa, with a unique segment *Pč^he. A remote connection with *wese compose (song), write (story) is possible.
- *č^hePze -- B š^heβze/šebz mare.
- *č^heχ^oe -- B š^heχ^oe/šeχ^o gelding.
- *č^hePχ^oe -- B š^heβχ^oe/šepχ^o sister.
- *č^hewe -- B š^hewe/šew horseman.
- *č^hase -- B š^hase/šas surety, pledge.

- *č^hase -- B š^hase/šas to mount a horse.
 *č^hak^h°a -- B š^hāk^h°a/šāk°a honeycomb.
 *č^hax°e -- B š^hafe/šax° refined beeswax.
 *č^h(a)χ°a -- B š^hāχ°a/šēχ°a herdsman of horses.
 *č^hawa -- T šāwa/šāwa horse-driver, teamster.

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|---------------------------|--|----------------------|-------------------------------|
| *q:°ač ^h e | <u>brother</u> , B also <u>relatives</u> | *Přač ^h a | <u>rough, tough, spirited</u> |
| *(P)la(n)č ^h a | <u>maple</u> | *Přač ^h a | <u>brittle, fragile</u> |

52. Pč^h

- *Pč^haχ°a -- B pš^hāχ°a/pšāχ°a sand.

53. č:

- *č:ə -- B č:ə/žə to congeal, harden (as butter, wax, cement), itr.
 *č:(a) -- B č:ə/žə to run (a distance), tr., (w. local prefixes:) to run, flow out, itr., B č:a/žā to run, flow (into), itr., T ěa-če/ěa-ž to cast, found. Cf. also *ěač:ə.
 *č:əěə -- B č:əěə/žəě tree.
 *č:əya -- B č:əya/žay to sleep.
 *č:ərə -- T čer/žer steel (T also irregularly šer).
 *č:aPza -- T čābza/žābza to become transparent by settling (of fluid).
 *č:aPěe -- T čapěe/žapě to dry up, dry out, itr.
 *č:aχ°e -- T čaχ°e/... to run the wrong way. Cf. *č:(a).
 *č:aĝ°a -- T čāĝ°a/... to become transparent by settling (of fluid). Cf. *č:aPza.

- | | | | |
|--------|--------------------------|--------|------------------|
| *ěač:ə | <u>to cut, carve out</u> | *hač:a | <u>male goat</u> |
|--------|--------------------------|--------|------------------|

54. Pč:

- *Pč:(a) -- B pč:(a)/bž(a) to count, (in)tr.
 *Pč:(a) -- B pč:ə/... to bewail, tr., B pč:a/bža to lament, keen, itr.
 *Pč:(a) -- B pč:a/bža door.
 *Pč:(a)ĝa -- B pč:āĝa/bžēĝa number, quantity.

- | | | | |
|-----------------------|---|----------|----------------------|
| *p ^h aPč:ə | <u>every time/equal, equivalent</u> | *ĝ°ePč:a | <u>sickle</u> |
| *q ^h aPč:a | B <u>trail in forest</u> ; T (pa-) <u>far</u> ,
<u>separated</u> | *ĝ°ePč:a | <u>window (šĥa-)</u> |

55. ě

- *ěe -- B ěe/še earth, land, ground.
 *ěa -- B ěa/ša bottom (of vessels).
 *ěete -- B ěete/šet ditch.
 *ěe(n)da -- T ěenda/šeda peanut.
 *ěePěa -- T ěepěa/šepěa chernozem/rich soil.
 *ěePž'a -- T ěebž'a/šebža bumblebee.
 *ěeš:e -- B ěeš:e/šes surveyor.
 *ěeλa -- B ěeλa/šeλa (dry) land, ground.
 *ěePλe -- T ěepλe/... beet.
 *ěeg°e -- B ěeg°e/šeg°e surface of the earth, territory.
 *ěex°a -- B ěefa/šex°a debt, loan.
 *ěeqa -- B T ěe'a Š ěe'a cold (noun), cold weather. For the deglottalization in W.Circ. cf. *ěeq°e.
 *ěeqh°a -- B ěeqh°a/... badger, lit. earth-pig.
 *ě(a)Pq°a -- B ěepa, ěāpa Š ěep°a/šepa land, terrain, district, parcel.
 *ěaPěa -- T ěāpěa/... dark, dark grey, dark blue.

*ĝ°eĉe	<u>iron</u>	*Pxaĉa	B <u>bottom</u>
*weĉe	<u>open place at river-bank/to gape, open wide (mouth, hand)</u>	*q:°anĉa	<u>jackdaw/rook</u>
*λaĉa	<u>foundation, bottom</u>	*q°eĉ(a)	<u>to cut, hew, trim</u>
*λaĉa	<u>possessions, inventory of house</u>	*meĉa	<u>precious stone (in ring)</u>
		*naĉa	<u>hollow under eyes</u>

56. Pĉ

- *Pĉe -- B pĉe/qa-pš to swarm (of bees), itr. (qa- hither).

- *wePĉ(a) to ask

57. šh

- *šhēpha -- B šhēpha, q:a-šhēphē/šepa, qa-šep to collect, pick up one by one, (in)tr., K also to peck (*q:a- hither); K xa-šepē-k to choose, pick out (xa- mass, group, -k out of).
 *šhēPla -- B šhēbla/šēbla thunder/lightning (originally name of the god of thunderstorms).
 *šhēg°e -- B šhēg°e/šeg°e mountain top, top part/plateau, surface.
 *šhat^ha -- B šhāt^ha/... to try out, check.
 *šha(n)gē -- B šha(n)ž'e/šag stack, rick (round, cf. *ña(n)ž°a).
 *šhakē -- B šhāĉ'e/šak cloth, textile.

*š^haṗṣa -- B š^hāpṣa/ṣāpṣa measure, size, example. Cf. *š^hat^ha; note the formal-semantic similarity to *š:ə.

58. š:

- *š:ə -- B š:ə/ṣə to measure (space), tr.
 *š:(a) -- B š:a/ḡa-ṣ to ripen, to become soft (as cheese)/to cause to id.
 *š:a -- B š:a/ṣa raw internal fat.
 *š:a -- B ya-š:a/ya-ṣa to be after stg., hunt, fish.
 *š:əq:°ə -- B š:əq:°ə/ḡaḡ°-ṣeḡ° vessels, plates and dishes (no separate meaning for ḡaḡ°, which can also be added in W. Circ.: B ḡaḡ:°-, T ḡaḡ°-).
 *š:əna -- B š:əna/... moist.
 *š:aš:a -- B t^hya-ḡa-š:aš:a-n/... to pour (dry substances) onto t^hya- stg. with a rustling sound.
 *š:ak°a -- B š:āk°a/ṣāk°a hunter; to hunt, itr.
 *š:əne -- B š:əne/ṣan character/manners (cf? Tu ṣān glory, honor).

*čēš:ə	<u>surveyor</u>	*š:aš:a	<u>to make a rustling sound</u>
*laš:ə	<u>strong</u>	*k ^h °aš:a B	<u>tussock, clump; to put out side-shoots</u>
*q°ēš:ə	<u>smart, intelligent</u>	*q ^h °aš:a	<u>tool, weapon</u>
*(P)ḡ°ēš:ə	See (P)ḡ°e(P)š:ə	*maš:a	<u>hole, hollow</u>
*ṣ°aš:(a)	<u>outfit, costume; be fitting;</u> K also <u>to adorn, equip (ḡa-)</u>	*naš:a	<u>melon/cucumber</u>

59. Pš:

- *Pš:(a) -- B pš:a T pše/pṣe to creep, itr.
 *Pš:(a) -- B pš:a/pṣe to knead, tr., cf? also K xa-pṣa-n to put into (a mass xa-).
 *Pš:at^ha -- T pšāta/pṣāta tanning solution, T also to be tanned. The reconstruction *Pš: is based on the absence of examples of *Pš^h and is therefore not absolutely certain.

*(P)ḡ°e(P)š:ə millet-straw *ḡ°ePš:a to be forgotten

60. ž

- *ž(a) -- B že/ḡa-ž to vomit (ḡa- hither), T q°ā-ža to vomit in a corner q°a-.
 *ža -- B ža/za mouth, jaws, lower jaw.
 *ža -- B la-g°ā-n-ža/la-g°ā-za knee (B ž automatic after n): la leg, g°a uncertain. Cf? *žapq:ə chin, steep hill. In view of *ža referring to the lower jaw, the homonymy of IE *g'enu- (n.) knee and *g'enu- (f.) chin is worthy of note.

- *ža -- B ža/ʔaža sleigh, sledge, T also ʔāža children's sled.
 *ža -- B ya-ža/ya-ža to wait, expect, itr.
 *žanta -- T žānta/žānta place of honor (away from door, near hearth).
 *žala -- T žāla/... gills of fish.
 *žaka -- B žāč'a/žāka beard.
 *žapq:ə -- B žapq:ə/žapq chin, B also steep hill.
 *ža(r)χ°e -- T žaχ°e/žaχ°, žareχ° chatterbox/coarse; boor.
 *žağ°e -- T žağ°e/žağ° chin/base of lower jaw.
 *žağ°e -- T žağ°e/žağ° foot of mountain.

- | | | | |
|-------|---------------------|-------|---------------------------------|
| *weže | <u>tracks</u> | *qāža | T <u>to hold back, restrain</u> |
| *qāža | <u>sleigh, sled</u> | | |

61. PŽ

- *Pže -- B bže/... vine, liana. Cf. *Pžala
 *Pža -- B bža/bža span (measure), also B bžeyz/bžeyz, K ʔadaqā-bža (ʔadaqā top of hand-palm).
 *Pžebe -- T bžebe/ʔa-bžeb cupped hand, handful (ʔa hand), K also ʔa-bžeg°.
 *Pžeža -- B bžeža/bžeža flea.
 *Pžeña -- B bžeña/bžeña autumn, Š winter.
 *Pžeme -- T bžeme/... fist.
 *Pžala -- B bžāla/... liana.
 *Pžama -- T bžāma/... bunch (prob. handful) of hemp for spinning.

- | | | | |
|---------|---|----------------------|---|
| *š°aPže | <u>blow, stroke/maiming, mutilation</u> | | <u>portant</u> |
| *g°ePže | <u>(to be) angry</u> | *k ^h ePža | <u>ring of twigs for tying stakes of wattle</u> |
| *x°aPža | <u>strongly/quick, strong, im-</u> | | |

62. λ

- *λe -- B λe/λe blood.
 *λ(a) -- B λe/λe to lie, be in lying position (only w. local prefixes), K pe-λ to hang (pe- tip), T zē-š'-ya-λa he puts it on (clothing) (zē- oneself, š'- location), T pe-λa to hang.
 *λ(a) -- B λe/λe to whet, sharpen, T pe-λa to sharpen (e.g. the point pe- of a needle), K λa-ps water pse used in tempering metals, sharpening scythes.
 *λ(a) -- B λe/λe to fall upon, jump upon, itr., B λa/λa to jump.
 *λa -- B λa/λa foot, leg.
 *λa -- B -λa/-λa vessel, container; surface (of the earth), K λa place, a form without a in *Txēλe.
 *λet^ha -- B λet^ha/λeta to count, to consider, tr.

- *λePca -- .../λepca clot of blood.
- *λenTx^oa -- B letfa/λentx^oa artery. < *λe-n-x^oa lit. blood-sinew.
- *λeχ^o(a) -- B λeχ^o(a)/λeχ^o(a) to look for, (in)tr. In part of the forms λe- is treated as the separable prefix after.
- *welaye -- T welaye/waley to rust.
- *λena -- T λena/λena birds' fat.
- *λere -- T ɣ^oa-λere/fa-λer strip of skin, T also belt (*ɣ^oa skin).
- *λabe -- B λabe/... butt of rifle, T also heel.
- *λambe -- .../λamb footprint.
- *λaPq^oa -- B λāpa S λāpq^oa/λāpa dear, expensive, precious.
- *λat^h(a) -- B λāt^ha/λāta to bounce, jump/to fly, B zē-š^h'e-λate/ɣe-λat to jump up (zē- oneself, *š^h'e- location), T xa-λate to fall, jump out of (a mass xa-).
- *λat^ha -- B λāt^ha/λāta rennet (used to curdle milk), K also stomach.
- *λada -- B xa-λāda/xa-λāda to run, rush into (a mass xa-).
- *λaPca -- B λāpca S λāpsa/λāpca barefoot, K also λāmca.
- *λase -- B λase/λas on foot, unmounted.
- *λas(a) -- B λase/λas to wash, rinse, to card (flax), tr., K λāsa id. itr.
- *λaPse -- T lapse/laps leather strap for tying up shoes, shoelace.
- *λaPsa -- T λāpsa/λāpsa root, foundation, reason/homeland.
- *λaPza -- .../λābza mark on feet of domestic birds.
- *λaPɣe -- T lapɣe/lapɣ god of the smiths.
- *λaPɣa -- B λāpɣa/λāpɣa ankle.
- *λaPɣa -- B λābɣa/λābɣa hoof, claw/root, foundation.
- *λaɣ^o(a) -- B λaɣ^oe/λaf to pull, drag, T tya-λāɣ^oa/tay-λāfa to pull stg. on or over *t^hya- stg.
- *λaɣ^oa -- B λāɣ^oa/λāfa harrow. Prob. identical w. preceding.
- *λaɣ^oa -- T λāɣ^oa/... to be late, overdue. Cf. *g^oeɣ^oa.
- *λač^h'a -- B λāš^h'a/λāša lame, K also with crooked legs.
- *λameɣ^o'e -- T λameɣ^o'e/λameɣ bridge. With *λa foot, *-ɣ^o'e uncertain, -me- may either be the negative morpheme or a syllabified connective.
- *λač^o'e -- B λač^o'e/λaɣ to rub off, clean.
- *λača -- B λāča/λāɣa foundation, bottom.
- *λača -- T λāča/λāɣa property, possessions, inventory of house.
- *λaš:e -- B λaš:e/λaɣ strong.
- *λaλ(a) -- B λāla/λāla to fall apart, B za-pq:e-re-λaλe/zapqereλaλ id. (*za-pq:e-re- structured whole), K xa-ɣa-λāla, -λaλ to strew, pour into, resp. out of (a mass xa-).
- *λak^he -- .../λak strong, firm, staunch (of person), ?ak-λak thicket, strong (containing ?a arm, λa leg and an unclear element).
- *λaga -- .../λāga short, low (of vegetation).
- *λake -- T λač^o'e/λa-k force; to be able to/to be able to (K λa- prefix, cf. λa-me-k to be unable to).
- *λaxa -- .../λāxa domicile, district.

- *laġa -- B lāġa/lāġa high.
 *lak:°a -- T lāk°a/lāg°a low (esp. of vegetation), K also short-legged.
 *lag°e -- B lag°e/lag° footsole, floor, valley, T wē-lag°e to trample.
 *lak°a -- T lāk°a/lāk°a grinder, sharpener of tools.
 *lax°e -- .../lax° feather-grass.
 *laPq:ē -- B lapq:ē/lapq° clan, tribe, kind, sort.
 *laġa -- B lāġa/lāġa hobble; to hobble, S pse-lāġa whirlpool (pse water).
 *laq:°a -- B lāq:°a/lāq°a leg.
 *laq°(a) -- B lāq°a, ya-laq°e/lāq°a, ya-laq° to request, B K lāq°a request.
 *laġ°e -- B laġ°e/laġ° fetters.
 *laġ°e -- T laġ°e/laġ° trot.
 *lantġ°(a) -- T lantġ°e/pġa-lāntġ°a loose filaments/pole with branches for hanging up utensils, T lantġ°a-yē/lantġ°-ēy combings, flocks/branch of creeping or winding plant (pġa wood, -yē formative).
 *laġ°(a) -- B laġ°e/lāġ° to see, T ġa-laġ°a-n/ġa-lāġ°a to show.
 *laġ°a -- B lāġ°a/lāġ°a path, track, trail.
 *laġa -- S lāġa/... rivulet.
 *laya -- B lāya/lay woollen gaiters.
 *laya -- T lāya/lay to move in jumps (e.g. gallop), T ġa-lāya to lift up, B lāya to go to roost.
 *lawa -- B lāwa/lāwa scalpel for blood-letting.
 *lana -- T tġa-lāna/tġa-lāna oath (tġa god).

* <u>bēle</u>	T	<u>to be hidden</u>	* <u>š°ala</u>	<u>vessel, cup</u>
* <u>tēle</u>		<u>to lie down</u>	* <u>š°ala</u>	<u>front legs of horse, cattle, K also hoof</u>
* <u>š°ele</u>	B	<u>to suck</u>	* <u>čēla</u>	<u>(dry) land, ground</u>
* <u>Txēle</u>		<u>letter (epistle), book</u>	* <u>Pš:ala</u>	<u>container for measuring dry substances</u>
* <u>g°ele</u>	B	<u>a marsh plant, T a kind of grass, tuft of maize</u>	* <u>laλ(a)</u>	<u>to fall apart</u>
* <u>q:ele</u>	K	<u>(bot.) vjazel' pēstryj</u>	* <u>šxala</u>	<u>manger</u>
* <u>ġ°ale</u>		<u>to lie down</u>	* <u>Pġēla</u>	<u>mountainous</u>
* <u>p^hala</u>		<u>as if, standing for</u>	* <u>x°ela</u>	K <u>crop of bird</u>
* <u>lq°ala</u>		<u>time, term, K also habit</u>	* <u>qala</u>	<u>gloves, mitts</u>
* <u>t:ala</u>		<u>to splash; shake (fist), rattle (sabre) (ġa-)</u>	* <u>q(a)la</u>	<u>trough</u>
* <u>ca(n)la</u>		<u>to slip</u>	* <u>q:°ala</u>	<u>to be turbulent/to boil</u>
* <u>Psela</u>		<u>flask, K also marshy land</u>	* <u>Tġ°ela</u>	<u>butter-dish</u>
* <u>Psala</u>		<u>word, speech</u>	* <u>ġ(a)la</u>	<u>burden, heavy, difficult</u>
* <u>zala</u>		<u>to get wrinkled (skin), K also to wither</u>	* <u>wala</u>	B <u>to totter, T to undulate</u>
* <u>Pzala</u>	T	<u>round basket used as form for cheese</u>	* <u>nala</u>	<u>single hair/fibre, filament</u>

63. Pλ

- *Pλe -- B pλe/pλe to blaze, get hot, itr.
 Pλe -- B pλe-ž'ε/pλe-ž red (-ž'ε -colored).
 *Pλ(a) -- B pλa, ya-pλe/pλa, ya-pλ to look, resp. to look at, itr.
 *Pλeze -- T pλeze/pλez to stare rigidly (of person lost in thought).
 *Pλeš°a -- B pλeš°a/pλefa appearance/quality.
 *Pλež'ε -- B pλež'ε/pλež red.
 *Pλeq:°a -- T pλeq°a SM pλeq°a/... to cool off.
 *wεPλak°e -- T wεpλak°e/... to check up on, tr.
 *Pλaχ°e -- T ġa-pλaχ°e/... to mislead sb., give wrong information.

- | | | | |
|------------------------|--------------------------|------------|----------------------------------|
| *p ^h aPλe | <u>red-nosed</u> | *Tχ°aPλe B | <u>red-haired</u> |
| *čaPλe | T <u>red-haired</u> | *ñaPλe | <u>brown</u> |
| *Pč ^h 'aPλe | <u>twilight</u> | *čePλ(a) K | <u>brown (of horse), scarlet</u> |
| *čePλe | T <u>beet</u> | *q°ePλa | <u>glance, look</u> |
| *k ^h °ePλe | <u>brick-red, orange</u> | *ġ°aPλ(a) | <u>copper-red, red copper</u> |

64. 1

- *le -- B le/le meat, flesh, body.
 *le -- B le/le to burn, itr.
 *l(a) -- T q-ya-le/q°-ay-l to be left over, survive (*q:- hither), T mafa-le/max°a-l a long time/an extra (superfluous) day (*max°a day), T λa°ā-la asking constantly, λapawā-la to stumble all the time. Cf. also *leya.
 *la -- B la/la to dye, paint, itr. and tr. (B tr. also ġā-la).
 *la -- B -la/-la finger's breadth, cf. *zala, *Tq°ala, etc.
 *lomp̄e -- .../lomp̄ to be pressed, squeezed.
 *lep̄a -- T ġa-lep̄a to fry, grill slightly.
 *le(n)de -- B lede/le(n)d to shine, glitter.
 *lec^he -- .../lec moss (T p̄xace).
 *le(n)č(a) -- B ġa-leča/ġa-le(n)č to scorch, B leča to be scorched.
 *lep̄ca -- T lep̄ca/lep̄ca flesh.
 *leš°ca -- T lep̄ca Š λeš°ta/... birthmark. The Š form with λe blood instead of le flesh is secondary, cf. K hana-l birthmark (hana mother).
 *lese -- B lese/... cotton plug (in wound).
 *lepž'(a) -- B lebz'ε T lebz'a/lep̄za to fry, K also national meat-dish, B le-lebz'ε (T -bz'a)/le-lep̄za dish of fried meat, K leġ°a-lep̄za meat-dishes.
 *lege -- See *gele.
 *lega -- .../lega thin, scrawny.
 *leġa -- B leġa/leġa forest-fire, steppe-fire.

- *ləḡ^oa -- B ləḡ^oa/ləḡ^oa to be singed.
 *ləya -- B ləya/lay superfluous; harm.
 *labe -- T ḡa-labə/... to moisten
 *lanSt^ha -- B lanəst^ha/lanəsta scissors.
 *lande -- T landə/... pike (zool.).
 *lanta -- B lānta/lānta elastic, supple.
 *laPse -- B lapse/laps bouillon, meat-broth.
 *welaṣa -- B wēlāṣa/... to pound, crush.
 *laž'(a) -- B lāž'a/lāža to work, itr.; to wear out (of clothes), itr.;
work, misery, fault, T laž'e/laž to work at stg., tr.
 *la(n)č^ha -- See*Planč^ha.
 *la(n)la -- B lāla T lānla/lāla weak, loose, shaky, dangling, K also wilted.
 *laŠka -- .../lāška slivver, splinter.
 *lak^oa -- .../lāk^oa painter.
 *welax^oa -- .../wēlāx^oa rate of pay, salary.
 *lanTḡe -- T tya-ḡa-lantḡe/... to tear off (tya- surface).
 *laḡa -- T lāḡa/... plate, dish (container).
 *laḡ^oe -- B laḡ^oe/... person of the same age.
 *l(a)rḡ^oe -- T ləḡ^oe-ṛe/lareḡ^o callosity, corn (ṛe old).
 *lawe -- T lawe/law pig, piglet.
 *welawe -- T welawe/... to get tired.

- | | | | |
|-----------------------|-------------------------------------|------------------------|---|
| *p ^h ele | <u>elephant</u> | *č:'ela | <u>seeds, stone of fruit</u> |
| *(P)c:ale | <u>willow</u> | *ʒ'ala | <u>withers (of horse)</u> |
| *ṣale | T <u>with good harvest, 5 rainy</u> | *č'ala | <u>youth, young man, boy</u> |
| *ʒ'ele | <u>12-year animal cycle</u> | *žala | <u>gills of fish</u> |
| *k ^h (a)le | <u>hut</u> | *Pžala | B <u>liana</u> |
| *gēle | <u>(to feel) ticklish</u> | *la(n)la | <u>weak, shaky, dangling, K also wilted</u> |
| *kēle | K <u>tickling, to be tickled</u> | *gal(a) | <u>to slip/to (slip and) fall</u> |
| *Šx ^o ale | <u>udder</u> | *x ^o a(n)la | <u>to wither, wilt, fade</u> |
| *qale | <u>wild (of animals)</u> | *q:ala | <u>town</u> |
| *šhale | <u>mill</u> | *q ^h oela | K <u>thick sediment, dregs</u> |
| *mele | <u>ice</u> | *q ^h oela | B <u>stalks and leaves (of melons, potatoes, beets, etc.)</u> |
| *male | <u>sheep</u> | *q: ^o ala | <u>raven/crow</u> |
| *Tq ^o ala | <u>breadth of two fingers</u> | *q ^o ela | <u>to be fooled/to be seduced</u> |
| *čala | <u>to smear</u> | *ḡ ^o amela | <u>food taken on trip</u> |
| *zala | <u>breadth of one finger</u> | *ḡ ^o a(n)la | <u>to wither (of plants)</u> |
| *č ^h 'ela | <u>raw silk</u> | *ḡala | <u>wedge</u> |
| *č ^h 'ela | <u>middle (of summer, winter)</u> | *Tḡala | <u>to stifle, smother</u> |
| *č:'ela | <u>(population of) village</u> | *wala | K <u>cloud</u> |

65. Pl

- *Pl(a) -- B bl(a)/bl(a) seven (times)
- *Pl(a) -- B bl(a)/bla to thread on a string, to plait, braid, (in)tr.
(in K both bla).
- *Pla -- B bla/bla snake.
- *Pla -- B bla/bla upper arm and shoulder.
- *Pla -- B bla/bla to burn, shine, itr.
- *PləPq:ə -- B bləpɔ:ə/bləpɔ̃ shoulder-joint.
- *Pləne -- B bləne/blən corner (T back wall)/wall.
- *(P)la(n)č^ha -- T lānča/blāša maple (T affricate preserved after n).
- *PlaPlə -- .../pə-blabl to hang in large numbers (of fruit) (pə- tip).
- *Pl(a)g^oə -- B bləg^oə/bləg^o, blag^oə-ša armpit (ša bottom).
- *Plant^ha -- T blānt^ha/... shoulder with leg (of animal). Cf. *Plat^ha).
- *Plaža -- B blāža/blāža near; close (relative, friend).
- *Plaža -- B blāža/... bead.
- *Plaž^oə -- B blaž^oə/blaž^o shoulder-blade.
- *Plaž^oa -- B blāž^oa/blāž^oa dragon, K also crocodile.
- *Plat^ha -- .../blāt^ha collarbone, shoulder-blade, shoulder with leg (of animal). Cf. *Plant^ha).
- *Plaš^ha -- .../blāš^ha part of room opposite door. Cf. *p^haš^ha).
- *Plana -- B blāna/blāna doe.
- *Plana -- B blāna/blāna energetic, brave/strong.

- | | | | | |
|------------------------|---|--|-------------------------|--|
| *PlaPlə | K | <u>to hang in large numbers (of fruit)</u> | *q̃aPla | <u>arm, forearm</u> |
| *Pq̃ ^o aPla | B | <u>mat made of rushes</u> | *P ^h a(m)Pla | <u>stretcher for carrying dead to cemetery</u> |
| *šəPla | | <u>thunder/lightning</u> | *žəPla | <u>hunger, famine, K also crop failure</u> |
| *kaPla | K | <u>sap of the nut tree</u> | * ^h aPla | <u>quarter of village</u> |
| *q ^h aPla | K | <u>stretcher for carrying dead to cemetery</u> | *haPla | S <u>a kind of wheat</u> |
| *q:(a)Pla | | <u>south</u> | *wəPla | <u>to begin</u> |

66. λ

- *λə -- B λə/λə man, husband.
- *λ(a) -- B λə/λə to stifle to death, tr., B λa/λa to die, itr.
- *λa -- B λa/λa to fade, wither.
- *λək^hoə -- B λək^hoə/λək^o middle-aged.
- *λək^oa -- B λək^oa/λək^oa messenger.
- *λəš^o(a) -- B λəš^oa/λəš^oa hired farm-laborer, K q̃a-λəš^o to earn as id., tr.
- *λaš^o(a) -- T λaš^oa-ğ^oə/λaš^oə-ğ^oa century (cf. -ğ^oa time, term).
- *λ(a)λa -- B ya-λəλa/ya-λāλa to sweat at stg., be engaged in work requiring

great effort and concentration.

*laq:^oa -- T laq^oa/laq^oa clan/sworn brother, T laq^oa-laš/laq^oa-laš nobleman/privileged class.

*Pš: ^o ələ	<u>serf, slave</u>	*q ^o əł(a)	<u>to tack, stitch, rivet</u>
*ł(a)ła	<u>to sweat at, make effort in</u>	*x ^o əła	<u>to succeed, come off, T</u> <u>to happen to sb.</u>
*x ^o əła	<u>to impel, induce</u>		

67. Pł

*Pł(a) -- B pł(a)/pł(a) four (times).
 *Pła -- B pła/pła upper back, shoulder, B also withers.
 *Pła -- T pła/płāpła to deteriorate in storage/to lounge, sprawl.
 *PłaPse -- T płapse/płaps shoulder-strap, -belt.
 *wəPła(n)č'(a) -- T wəpłā(n)č'(a)/wəpłānŕa to fold in four, tr.
 *wəPłaPłə -- T wəpłapłə/... to flatten, hammer flat.
 *Płaq^oe -- B pła^oe/... upper back, shoulders.

*wəPłaPłə	T <u>to flatten, hammer flat</u>	*ġaPła	T <u>to (com)press, to iron.</u>
*q̇aPła	<u>embrace, K also armful</u>		

68. k^h

*k^he -- B č^h'e/kə brushwood, twig.
 *k^he -- .../kə to step, itr. and tr.
 *k^he -- B č^h'e/kə to pull, tear out, off, tr. (only w. local prefixes).
 *k^ha -- B č^h'a/ka spleen.
 *k^ha -- B č^h'a/ka to burst, crack (as glass, ice), itr.
 *k^həmp^ha -- .../kəmpa twig, dry branch.
 *k^hənt^he -- .../kent (ethnic name in Mart epos).
 *k^həsa -- T č'esa/kəsa pouch (Tu kese).
 *k^həPža -- B č^h'əbža/kəbža ring of twigs for tying stakes of wattle.
 *k^həx^oe -- .../kəx^o dry twigs.
 *k^həyə -- B č^h'əyə/kəyə wattle made of supple branches.
 *k^həya -- B č^h'əya/kəya tub (T pxa-č'aye id. (pxa wood) points to *k^haye; the K form can continue either).
 *k^həne -- T č'ənə/kən top (spinning toy).
 *k^həth^he -- B č^h'at^he/kat sheep-shed.
 *k^h(a)č^oe -- B č^h'ač^oe/kəč^o kid, young goat (cf? Tu keçi; the compound B law-č^h'ač^oe animal (law pig) speaks against borrowing).
 *k^hənž'e -- T č'anž'e/kanž shallow (B irregularly š^h'anž'e).
 *k^h(a)lə -- T č'(a)lə/kəl hut.

- *k^hak^ha -- T č'áč'a-n/kāka to chirr, laugh derisively/to bleat, howl, shout.
 *k^hank^ha -- .../kanka palsy of cattle.
 *k^haT^hā -- T č'at^hā-n/kāt^hā to tear to shreds, tr.
 *k^haye -- See *k^heya.
 *k^hawe -- T č'awe/kaw wattle fencing; farmstead.
 *k^hame -- .../kam to be insufficient, lack, mē-kamē-w uninterruptedly
 (mē- negative element, -w modal case).

- | | | | |
|------------------------------------|------------------------------------|--------------------------------------|---|
| *č ^h ek ^h e | <u>castanets (p^ha-)</u> | *č ^h 'ak ^h (a) | <u>to weigh</u> |
| *č ^h 'ak ^h e | <u>suspicion, doubt</u> | *k ^h ak ^h a | <u>to chirr, laugh derisively/
bleat, howl, shout</u> |
| *č ^h 'ak ^h e | <u>to put up with, bear</u> | *k ^h ank ^h a | K <u>palsy of cattle</u> |
| *lak ^h e | K <u>strong, firm, staunch</u> | | |

69. k:

- *k:(a) -- B č:'(a)/... to turn, spin around, (in)tr. (tr. status of k:e not documented in material), T č'a-ra-zē-n, č'a-ra-č^h°e-n/ga-ra-z id., itr. (-ra- instrumental? ze cf? za turn). Relation to *g(a) and *k^hene unclear.
 *k:a -- T š'ene-č'a/šene-ga core of a boil *č^h'ene.
 *k:eye -- B č:'eye/gey (inside of) throat (antiquated in K).
 *k:ap:a -- B č:āp:a/gāba (lower) side, side (of body, hill, etc.), T wa-š^oa-č'apa horizon (*waš^oa sky).
 *k:at^ha -- S k:āt^ha/gāta sword. See Balkarov 1970:84; the B form with č^h'- (Kuipers 1963:69) is irregular.
 *k:at:e -- č:'at:e/gad chicken.

70. Pk:

- *haPk:e glass, window-pane

71. g

- *ge -- B ž'ē/ye-ge now (ye- 3rd pers. possessive).
 *g(a) -- B ž'(a)/g(a) to twist, spin (thread), (in)tr.
 *g(a) -- B T ž'(a)/g(a) smooth, polished (only in compounds), cf. *geg(a), *geya, *gaš^oa.
 *g(a) -- B ž'ē/ge to read/to study, B ž'a/ga to call, announce, with *ya- also to read.
 *ga -- B -ž'a/-ga bad, insufficient, lacking, cf. *Pzaga, *lēga, etc. Cf. *ya bad.
 *gele -- B lež'ē/gel (to feel) ticklish, K gel-kel id. (prob. inversion in B); T čele means exaggeration, pretense. Cf. *kele.
 *geg(a) -- T mel-ž'ēž'ēwe/gēga clear, shiny ice mel/to be polished, shine.
 *gēna -- B ž'āne S gāne/... to weed with a hoe.

- *geya -- .../mél-gay smooth ice (mél ice).
 *gaš°(a) -- B ž̄āš°a/gāfa smooth, T wəž̄'as°e/wəgaf to rub smooth, itr. and tr./to bare, tr.; to become smooth, itr.
 *ga^(r/n)č^h'ə -- B ž̄'anč^h'ə/ga(r)š̄ bean, pea.
 *gal(a) -- B ž̄āla/gāla to slip/to (slip and) fall, K xa-gal to fall out of (xa- a mass, group). Cf? T ž̄'andə to (slip and) fall (e.g. of a horse).
 *gag°e -- B ž̄'ag°e/gag° to play; game(s).
 *gax°e -- T ž̄'afə/gax° tow-haired.
 *gaya -- B ž̄āya/gay sheat-fish (large catfish)/whale.
 *gana -- B ž̄āna/gāna shirt.

*bage	<u>spider</u>	*č ^h 'aga	<u>noon, dinner-time</u> (*-ğ°a)
*t ^h age	<u>to stand up, rise</u>	*łaga	K <u>short, low</u> (of plants)
*dege	<u>bitter, sour, sharp-tasting</u>	*łega	K <u>thin, scrawny</u>
*sege	<u>hump, crest; anvil</u>	*gega	<u>to be polished, shine</u>
*š ^h ange	<u>stack, rick</u>	*qaga	<u>handful, many</u>
*lege	See *gele	*žega	K <u>girl</u> (-bz)
*wege	<u>round dance with singing</u>	*ž°e ^(r/n) ga	<u>mirror</u>
*p ^h eg(a)	<u>to butt, gore</u>	*weTħaga	K <u>to entreat, make complaints</u>
*za ^r /ng(a)	<u>berries of the snowball tree</u>	*neg(a)	<u>floodlands, water-meadow</u>
*Pzaga	<u>evil; to make mischief</u>	*nag(a)	<u>bad, evil; to disfigure</u>
*š°aga	<u>luckless/ugly, unattractive</u>		

72. k̄

- *k̄e -- B č̄'e/k̄e handle, haft (of implement, axe, knife).
 *k̄e -- B č̄'e/k̄e to come or go out of stg. (only w. local prefixes), T bla-č̄'e/bla-k̄ to pass by (*bla- past, by).
 *k̄e -- B š^h'e-č̄'e/š̄e-k̄ to give oneself airs (*š^h'e- location). To preceding item, cf. T š̄'am yēč̄'en id., lit. to go out of one's skin.
 *k̄e -- T λa-č̄'e/λa-k̄ to be able to, tr./itr., T λač̄'e force, power. In T, λa- belongs to the stem (hə-λač̄'e-ğ̄ he was able to), in K it is a prefix (λa-mə-k̄e-n to be unable to).
 *k̄(a) -- B č̄'e/k̄e to come out, bud, grow, T pe-č̄'a/pe-k̄a to grow at the end of stg., T qe-pe-č̄'a/qe-pe-k̄a to carry fruit, itr. (*p^he-tip, *q:e- hither).
 *ka -- B č̄'a/ka tail, back, end (of space, time), in compounds egg; manner, way.
 *ka -- B č̄'a SM ka/... seeds.
 *ka -- B ye-č̄'a/ye-ka to pour in, tr. (ye- hollow, container, etc.).
 *k̄et^ha -- T č̄'eta/k̄eta malt, T also to become soft, to swell.
 *wēk̄et^ha -- T wēč̄'eta/wēk̄eta shame.
 *k̄esa -- T č̄'esa/... to sprout, shoot (of plant). Cf. *k̄(a).

- *kəš^oə -- B č'əš^oə/kəš dark(ness). B also š^oənč'ə.
- *kəš^h'ə -- B č'əš^h'ə/kəš smithy.
- *kəž'ə -- See *Pkəž'ə.
- *kələ -- .../kəl tickling, to be tickled. Cf. *gələ.
- *kə(r)ğə -- B č'ərgə/kəğ to squeak, creak (B č'ərg-č'ərg expresses the sound, e.g., of creaking shoes). Cf. *dərğə.
- *kəñ(a) -- B č'āñə T č'əña/kəñ long.
- *kəyə -- B č'əyə/kəy to shriek, howl.
- *kərə -- B č'ərə/kər thick, dense (of wool, beard, etc.), long (of hair), high (of grass). Cf. *k(a).
- *kəp^ha -- B č'āp^ha/kāpa fatty sheeptail, kurdyuk.
- *kənt(a) -- .../kənt to be exhausted, pse-kānta creek, rivulet, small remains of water (of flood or dried-up river) (pse water), T č'ante-?ə/kante-?ə small of the back.
- *kəpč:(a) -- B č'āpč:a/kabž thigh (of animal), leg (of bird).
- *kəče -- T č'āče/kəč to lay eggs, itr., K also to be very afraid. Cf. *č(a).
- *kəpča -- T č'āpča/kāpča lower abdomen/stomach.
- *kəse -- T č'āse/kas prisoner of war (formerly put on horseback behind his captor).
- *kəsa -- B č'āsa/kāsa late.
- *kəpse -- S kəpsə/Be čə-kaps croup (of horse) (če horse).
- *kəpsa -- B č'āpsa/kāpsa string, rope.
- *kəš^oa -- S kəš^oa/... ceiling.
- *kəč'ə -- T č'āč'ə/kəš short (T of time only).
- *wəkəpč'ə -- See *wepkəpč'ə.
- *kəpla -- .../kābla sap of the nut-tree.
- *kəka -- .../kāka to chirp.
- *kəka -- T č'ānč'a/-ka egg.
- *kəxa -- T č'āxa/kāxa lower (region)/Western Circassian.
- *kəpxa -- T kəpxa/... splint, S skirt.
- *kək:ə -- B č'āk:ə/kāg^oa dock-tailed; short (rope, stick, coat, etc.).
- *kəx^oə -- .../kəx^o dawn.
- *kəpχə -- B č'āpχə/kəpχ squirrel.
- *kəntχə -- .../kəntχ remains, sediment on bottom.
- *kəšχ(a) -- .../kəšχa poor, meagre, scanty, meva-kəšχ gravel (meva stone).
- *kəğa -- .../kāğa fog.
- *kəq^hə -- .../kəq^o cock of gun (also kəq).
- *kəğ^oa -- See *Pkəğ^oa.
- *kəyə -- T č'āyə SM kəyə/... valley, SM stream.
- *kəya -- T č'āyə/kəy ash-tree (T -ə irregular).
- *kəne -- B č'āne/kən knucklebone (used in bone game).
- *kəna -- .../kāna piece, lump.

*Pđ°a(n)kə	<u>to crackle, puff, K also flock, tuft</u>	*p ^h aka	<u>stretch, interval, zone</u>
*sa ^h kə	<u>to castrate</u>	*c:aka	<u>edge</u>
*š°enkə	<u>dark</u>	*ca ^h ka	<u>nit</u>
*č°əkə	<u>to break off</u>	*šaka	<u>weeds, K also chaff</u>
*š ^h əkə	<u>to give oneself airs, K also to be surfeited</u>	*žaka	<u>beard</u>
*š ^h akə	<u>cloth, textile</u>	*ka ^h ka	K <u>to chirp</u>
*lake	<u>to be able, T also force</u>	*kanka	<u>egg</u>
*k°akə	<u>to change, get spoiled</u>	*g°əmkə	See *g°ə ^m /Pka
*đ°enkə	<u>lock, key (-bza)</u>	*Pšank(a)	<u>to sweep</u>
*x°(a)kə	<u>to get damaged by rubbing</u>	*g°əka	<u>blacksmith</u>
*x°akə	<u>to (ex)change</u>	*na ^h ka	K <u>hiccup</u>
*g°ə(r)kə	T Š <u>severe frost</u>	*namka	<u>gallop</u>
*wekə	<u>to kill</u>	*Tnaka	K <u>brim of hat</u>
		*naka	<u>wink/outer corner of eye</u>

73. Pk

- * (P)kə -- T pč°ə-ž°ə/tay-kə-ž° to fade (of fabrics) (tay- surface, -ž°ə/-ž° back, again, as previously; for the correspondence ž°/ž see Kuipers 1963:79).
- *Pkə -- T nāləž°a-pč°ə/pkə dough-cutter/to cut dough (T nāləž°a cheese patty).
- *Pk(a) -- T pč°ə/pkə to trample down, beat (a road), K also to stamp leather, to sharpen (a sickle); to jump, fly off (K lə-pk fly off the foot, as shoe), T pč°a Š pska/pka to jump, K also to trample (tay-pka), to shrink (xa-pka).
- *Pka -- .../pka loft, attic (K pka-lay ladder, stairs, cf. *laya). Cf? T č°aš°a attic.
- * (P)kəPxa -- B pč°əpxa/kəpxa small toothed wheel for cutting dough.
- *wə(P)kaPč°ə -- T wəpč°əpč°ə/wəkəpš° to husk, peel, clean.
- *wə(P)kaPč°ə -- T ša-wəpč°əpč°ə-n ŠM wəkəpča-n/... to button, fasten.
- * (P)kağ°a -- T pč°əğ°ā-sa/kāğ°a, kğ°ā-sa soot.
- *Pkaya -- .../pkay maple. Cf. *kaya.
- * (P)kawa -- B pč°əawa/(p)kawa grasshopper.

*g°ə ^m /Pka	<u>back part of cart</u>	*na ^m /Pka	<u>gallop</u>
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74. Šk

(K šk after ā, and šk elsewhere, see Kuipers 1963:86).

- *Ška -- B ška/ška calf (up to one year old).
- *Ška -- .../qā-ška to flinch, wince, quiver (qā- hither).

*ška -- T -ška/-ska lump, chip, splinter, T p̄xa-ʔ°əška-n/ǵ°āška chips, kindlings (p̄xa wood; the correspondence T ʔ°/ǵ° is irregular), cf. also *qaška, *laška.

*laška	K <u>slivver, splinter</u>	*x°aška	K <u>spark</u>
*ǵaška	<u>lump, (snow)ball</u>	*maška	K <u>spark</u>

75. x

*xə -- B xə/xə sea.
 *xə -- B xə/xə to take out, off, away (only w. local prefixes).
 *xə -- T pə-xə/pə-x to file (pə- tip). Cf. preceding item.
 *xə -- B ya-xə/ya-x to go down, B da-xə/da-x to go aside.
 *x(a) -- B x(a)/x(a) six (times).
 *x(a) -- B x(a)/x(a) to reap, (in)tr.
 *x(a) -- T xə/... bottom, lower part (hə-x its id.), T -xa/-xa id., cf. *Psexa, *ʒ'axa, *kaxa.
 *xəq^h°a -- T xəq°a/xəq°a porpoise, lit. sea-pig.
 *xeya -- B xeya/xay innocent.
 *xena -- T šhā-xēna/šhā-xēna lazy (šhā head).
 *xat:a -- B xāt:a/xāda kitchen-garden.
 *xasa -- B xāsa/xāsa council, conference, T also to discuss, consider.
 *xaPza -- B xābza/xābza usage, tradition, customary law.
 *xaš°a -- B xāš°a/... steppe. Cf. *(P)xaš°a.
 *xač^h'a -- T xāš'a/xāša spy, scout/informer, telltale.
 *xak^h°e -- B xak^h°e/xak° country, region.
 *xak°a -- B xāk°a/xāk°a reaper.
 *xak°a -- B xāk°a/xāk°a stallion.
 *xax°a -- T xāfa/xāx°a brave, T also sour (of fruit).
 *xaya -- S xāya/... a measure of millet (144 bundles).
 *x(a)ma -- B xəma T xāma/xāma foreign, unknown, stranger.

*bexe	S <u>to fall through (ice)</u>		<u>sb.</u> (p-ya-)
*saxe	<u>bar, gate</u>	*šhaxe	<u>laziness, indolence</u>
*Psexe	<u>to dismount</u>	*wexe	<u>to finish</u>
*Pzaxe	<u>to disappear</u>	*waxe	<u>lowland, depression</u> (geogr.)
*ǵaxe	<u>quickly, soon</u>	*nexe	T <u>aspen</u>
*ǵexe	<u>to take, receive stg. from sb.</u>	*daxe	<u>beautiful</u>
*P̄xaxe	<u>file (tool)</u>	*c:əxa	<u>frail, weak, without stamina</u>
*P̄xaxe	<u>to open, uncover (a straw roof)</u>	*Psexa	T <u>lower reaches of river</u>
*ǵ°axe	T <u>to carry to meet (towards)</u>	*ʒ'axa	<u>(surface of) floor in house</u> (-š°a)

*λaxa	K <u>domicile, district</u>	*q ^h axa	K <u>feeble</u>
*kaxa	<u>lower (region)/W. Circassian</u>	*max(a)	<u>to faint, be tired, worn out; weak, brittle</u>
*g ^o əxa	<u>soft-hearted, weak of character</u>	*naxa	Š <u>face</u>

76. Px

*Px(a)	-- B px(a)/px(a) <u>to card (wool), (in)tr.</u>
*Px(a)	-- B pxə/pxə <u>to tie up, bind, tr.</u> , B pxa/pxa <u>to tie up, bind, fasten, B itr., K tr.</u>
*Pxa	-- B pxa/pxa <u>back part.</u>
*Pxa	-- T -pxa/... habitual suffix, e.g. čeyā-pxa <u>sleepy-head</u> , cf. also *S't ^h aPxa.
*Pxərə	-- B pxərə/pxər <u>sheaf, bunch.</u>
*(P)xaş ^o a	-- B xāş ^o a/pxāfa <u>stubble-field</u> . Cf. *xaş ^o a.
*Pxač'ə	-- B pxač'ə/pxaš' <u>buttocks/croup, crupper.</u>
*Pxaŋž'ə	-- B pxaŋž'ə/pxaŋž <u>distorted, crooked, wrong.</u>
*Pxača	-- B pxāča/... <u>bottom.</u>

*S't ^h aPxa	T <u>cowardly</u>	*q ^o əPxa	<u>apron</u>
*kaPxa	T <u>splint, Š skirt</u>		

77. Tx

*Txə	-- B txə/txə <u>backbone, spine.</u>
*Txə	-- T txə/... <u>height (geogr.)</u>
*Tx(a)	-- B tx(a)/tx(a) <u>to write, (in)tr.</u>
*Txəp ^h a	-- T txəpa/... <u>edge of elevation (geogr.)</u> . Cf. *Pzap ^h a.
*Txədə	-- B txədə/txədə <u>story, tale; instructive/history (Š to speak).</u>
*weTxə(n)ʒə	-- T wetxə(n)ʒə/... <u>to sift</u> . Prob. < *-n-zə.
*Txəča	-- B txəča/txəča <u>backbone, spine.</u>
*Txəč ^h 'a	-- T txəš'a/txəša <u>hunchbacked, with crooked back.</u>
*weTxəPč'ə	-- T wetxəpč'ə/wetxəpš' <u>to shake out (as rug, blanket).</u>
*Txələ	-- B txələ/txəl <u>letter (epistle), book.</u>
*TxəTxə	-- T txəttxə/txəttx <u>to shake, tremble.</u>
*Txəñ(a)	-- .../txəñ <u>threading (of screw).</u>
*Txəye	-- Š txəye/... <u>to be frightened.</u>
*Txaq ^h o	-- Š txāq ^o a, txāx ^o a/... <u>shady side of mountain.</u>
*Tx(a)wa	-- txāwa/txəwa <u>to kick (of horse).</u>

*sanTxə	<u>(stony) height (geogr.)</u>	*weʒ ^o ənTxa	T <u>to spit</u>
*TxəTxə	<u>to shake, tremble</u>	*gatxa	<u>spring (season)</u>

- *Pġe -- B bġe/bġe height, mountain, steep bank, etc.
 *Pġ(a) -- B bġa, ya-bġe/bġa, ya-bġ to curse (sb.).
 *Pġe(n)ta -- T bġenta S bġeta/bġenta ungirded.
 *(P)ġePza -- B bġebza/ġebza to curse (dissimilation in K).
 *Pġeġa -- T bġeġa/bġeġa mountainous.
 *Pġeġ:°e -- B bġeġ:°e/bġeġ° cross-beam.
 *Pġeŝna -- B bġeŝna/bġeŝna top (of mountain), upper edge (of ravine).
 *Pġena -- T bġena/bġena to leave, desert.
 *Pġana -- B bġana/bġana sheaf/tie around sheaf.

- | | | | |
|----------------------|---|-------------|---|
| *p ^h aPġe | <u>bridge of nose</u> | *yaPġa | <u>fierce, nasty (e.g. dog),</u>
K also <u>brave</u> |
| *q ^a aPġa | T <u>wattle-made drying rack</u>
<u>for corn, etc.</u> | *na(r)Pġ(a) | <u>person</u> |
| *x ^o ePġa | T <u>(cattle) for breeding</u> | | |

82. k^ho

- *k^ho -- B k^ho/k^o core, middle.
 *k^ho -- T re-y-k^oe-n/ya-k^o to dare, venture to.
 *k^hoa -- B k^hoa/k^oa thigh.
 *k^hoa -- B k^hoa/k^oa to stuff (as pillow), cork (bottle), pull stg. over
stg. (as garment) (only w. local prefixes).
 *k^ho^r/mbe -- B k^ho^rbe T k^oembe/k^oemb hole, hollow, T pša-k^oerbe hollow in
neck (pša neck).
 *k^hoeda -- B k^hoeda/k^oeda to fill up, cram, cork.
 *k^hoeda -- B k^hoeda/... petroleum, oil, cf? also S k^oerda axle-grease,
which, however, may contain *k^oe cart.
 *k^ho^ece -- B k^ho^ece/k^oec marrow, K ŝna-k^oec brains (ŝna head).
 *k^ho^e(r)sa -- T k^oe(r)sa/k^oesa stripe.
 *k^ho^ePsa -- T k^oepsa/k^oapsa center, pivot.
 *k^ho^ePč^o(a) -- B k^ho^epč^o/k^oepša core, (soft) center, kernel.
 *k^ho^ePġe -- B k^ho^epġe/k^oepġ brick-red, orange.
 *k^ho^ePq:(a) -- B k^ho^epq:(a)/k^oepq:(a) stone (of fruit).
 *k^ho^eq:°e -- .../k^oeq:°e crossbeam.
 *k^ho^e(r)ġ^o(a) -- B k^ho^eġ^o/k^oerġ^o/k^oeg^oa yolk.
 *k^ho^ewə -- B k^ho^ewə/k^oew deep.
 *k^ho^a(n)də -- B k^ho^andə/k^oad much, many.
 *k^ho^anda -- B k^ho^anda/... bush, shrub.
 *k^ho^a(P)sa -- T k^oāpsa/k^oasa beardless (Tu köse).
 *k^ho^ač^o -- B k^ho^ač^o/k^oač^o lap (portion of body).
 *k^ho^ač^h -- B k^ho^ač^h/... to migrate (of nomads) (Tu köçmek, hence *č^h
and not *š^h).
 *k^ho^aš:a -- B k^ho^aš:a/... tussock, one clump (of grass, etc.); to put out
side-shoots.

*k^ho^əye -- T k^oaye/k^oay (quarter of) settlement/community (Tu köy).

*t ^h erk ^h o ^ə	K <u>growth in animal organism</u>	*h ^h ak ^h o ^ə	<u>fireplace, oven</u>
*z ^o ak ^h o ^ə	<u>red-hot coals</u>	*č ^h ak ^h o ^a	<u>honeycomb</u>
*λ ^h ek ^h o ^ə	<u>middle-aged</u>	*q ^o ek ^h o ^a	<u>plug, spigot</u>
*xak ^h o ^ə	<u>country, region</u>	*Thak ^h o ^a B	<u>with short, flapping ears</u>
*P ^h ak ^h o ^ə	<u>heart of tree/timber</u>	*mark ^h o ^a	<u>tapeworm</u>

83. k:°

*k:°e -- B k:°e/g:°e "arba", two-wheeled cart, vehicle.
 *k:°a -- S k:°a/... twig. Cf. *k:°ama.
 *k:°a -- B -k:°a/-g:°a truncated, cf. *k^hak:°a, etc.
 *k:°ec:a -- B k:°ec:a/g:°e3a spoke of wheel.
 *k:°e3a -- B k:°e3a/g:°e3a cradle.
 *k:°e3^oa -- B k:°e3^oa/g:°efa sidewall of cart.
 *k:°e^m/Pka -- B k:°eč^oa/g:°emka, g:°epka back part *ka of cart.
 *k:°ewa -- B k:°ewa/g:°aw to shout.
 *k:°art^h(a) -- T k:°arte/g:°arta a certain (solid) number/(large) herd.
 *k:°ac:e -- B k:°ac:e/g:°a3 wheat.
 *k:°aš:°e -- B k:°aš:°e/g:°aš shelter for cart.
 *k:°aš^oa -- B k:°aš^oa/g:°aš^oa pitchfork.
 *k:°ama -- T k:°ama/g:°ana (small) branch, twig (prob. dissimilation in K).
 *k:°ane -- B k:°ane/g:°an covered granary made of wattle.

*p ^h ak:°a	<u>blunt</u>		also <u>short-legged</u>
*c:ak:°a	<u>blunt, dull</u>	*k ^h ak:°a	<u>dock-tailed; short</u>
*Pzak:°a	<u>dumb (without speech)</u>	*q:°ak:°a	<u>hornless/one-horned, one-eared, asymmetrical</u>
*λak:°a	<u>low (esp. of vegetation), K</u>		

84. g°

*g°e -- B g°e/g°e heart.
 *g°e -- B -g°e/-g°e surface (of earth, sky, palm of hand, etc.).
 *g°(a) -- B g°(a)/g°e to pound, husk (maize, millet, etc), B (in)tr., K itr. and tr.
 *g°a -- T g°a/... to fill, stuff, cram.
 *g°ep^ha -- B g°ep^ha/g°epa front surface, front part, T also face, breast.
 *g°ede -- B g°ede/g°ed vulva.
 *g°esa -- T g°esa/zə-ğa-g°esa to take offense (zə- oneself).
 *g°ePsa -- T g°ePsa/g°ePsa beloved; kind, good/cordial.

- *g^oežə -- T g^oežə/... anger, malice, old grudge, cf. also T g^oəħa-g^oežə old grudge.
- *g^oeš^oa -- S g^oeš^oa/... glade.
- *g^oež^oa -- B g^oež^oa/g^oeʋa to be late. Cf. *laz^oa.
- *g^oeš^oa -- B g^oeš^oa/g^oeħa to be glad.
- *g^oePč:´a -- B g^oePč:´a/... middle, center, circle. Cf. *Pč:´ag^oe.
- *g^oePč´a -- B g^oePč´a/... having a good memory. Cf. *q^oePč´a.
- *g^oeš:´a -- B g^oeš:´a/g^oeša pitiful, alas! (poetic).
- *g^oePžə -- B g^oePžə/g^oePž (to be) angry.
- *g^oeλə -- B g^oeλə/... a marsh plant used to make p^oābla, T a kind of grass, tuft of maize.
- *g^oePSk^ha -- S g^oePsk^ha, g^oePč^ha/... bronchitis. Cf. *PSk^ha.
- *g^oeʋa -- T g^oeʋa/g^oeʋa soft-hearted, weak of character.
- *g^oešx^oa -- B g^oešk:´a/g^oešx^oa (to be) courageous, enthusiastic.
- *g^oeʋq:ə -- T pša-g^oeʋqə/g^oeʋq vertebra of neck pša/protuberance of thorax.
- *g^oeđa -- T g^oeʋa/g^oeʋa to worry, care; be in pain/to grieve, sob.
- *g^oeʋgə -- T g^oeʋgə/g^oeʋg kingpin of cart.
- *g^oeğa -- B g^oeğa/g^oeğa hope, K also opinion.
- *g^oe(r)š^oe -- B g^oeʋš^oe/g^oeš^o to crush millet; mortar for crushing millet.
- *g^oeʋešš^oa -- T g^oeʋešš^oa/g^oeʋešš^oa suspicion.
- *g^oeğ^oe -- B g^oeğ^oe/g^oeğ^o story, account (in: B K ye-g^oeğ^o še-n to tell about; ye- its, še-n to make).
- *g^oeğ^oe -- B g^oeğ^oe/g^oeğ^o difficulty, trouble/difficult, B ya-g^oeğ^oe/ya-g^oeğ^o to apply oneself, work hard at; diligent.
- *g^oePğ^oa -- B g^oePğ^oa, g^oePğ^oa/g^oePğ^oa field, steppe.
- *g^oe(r)ħ(a) -- B g^oeħə/g^oeħ pleasant, tasty.
- *g^oeʋa -- S g^oeʋa/... quantity of grain which fills one mortar or oven.
- *g^oeʋa -- T g^oeʋa/... malicious, mean, S courageous.
- *g^oePħa -- B g^oePħa/g^oePħa pleasure.
- *g^oeP:a -- B g^oeP:a/... it is stuffy, stifling.
- *g^oeāč^h(a) -- B g^oeāš^hə, T g^oeāš´a/g^oeāš, g^oeāša to distribute, divide, (in)tr., T also to give presents.
- *g^oeāš:´a -- B g^oeāš:´a/g^oeāša princess, husband's mother, T also wife, K doll.
- *g^oeāk^oa -- B g^oeāk^oa/g^oeāk^oa pleasant.
- *g^o(a)đa -- B g^oeāʋa T g^oeʋa/... to hurry.
- *g^oeāđ^oe -- T g^oeāđ^oe/... likable (person).
- *g^oeāʋa -- B g^oeāʋa/g^oeāʋa (to cause) injury.
- *g^oeāra -- B -g^oeāra/-g^oeāra a certain, some (cf? Georg. gvari).

- | | | | |
|----------------------|---------------------|------------------------|--|
| *bag ^o e | <u>pimple, scab</u> | *Pzag ^o e | <u>tongue</u> |
| *dag ^o e | <u>deaf</u> | *Pč:´ag ^o e | B <u>middle, center, circle</u> |
| *Pseg ^o e | S <u>island</u> | *čeg ^o e | <u>surface of the earth, territory</u> |

*š ^h əg ^o ə	<u>mountain top, top part/ plateau, surface</u>	*ǵ ^o ag ^o ə	<u>road</u>
*lag ^o ə	<u>footsole; floor, valley</u>	*wag ^o ə	<u>sky, heaven</u>
*Pl(a)ɣ ^o ə	<u>armpit</u>	*wag ^o ə	<u>freckled</u>
*gag ^o ə	<u>to play, game</u>	*nag ^o ə	<u>face</u>
*x ^o əg ^o ə	<u>millet (w. husks removed)</u>	*p ^h ag ^o a	<u>carp, fish, blunt-nosed/ blunt</u>
*q ^o ag ^o ə	T <u>courtyard</u>	*dag ^o a	Ṣ <u>short-eared</u>
*Pǵag ^o ə	<u>brisket, thorax</u>	*tərg ^o (a)	<u>to butt/to fillip, bump</u>
*q ^o ag ^o ə	<u>house-serf/homestead</u>	*q ^o ag ^o (a)	<u>palm of hand, handful</u>

85. k^o

- *k^oə -- .../ya-k^o fitting, proper, B ya-mə-k^oə/ya-mə-k^o wrong, shameful (mə- negative). Prob. to next item, cf. English "(un)becoming".
- *k^o(a) -- B k^o(a)/k^o(a) to go, cover a distance, (in)tr.
- *k^oa -- B -k^oa/k^oa nomen agentis, cf. *š:a-k^oa, *xak^oa, etc.
- *k^oət^h(a) -- B yə-k^oət^h(a)/yə-k^oət(a) to pour out (resp. into) (yə- hollow space).
- *k^oət^h(a) -- B k^oāt^ha/k^oāta to move (along, forward), yə-k^oət^hə/yə-k^oət to move back(wards).
- *k^oad(a) -- B k^oadə/k^oad to disappear, get lost, perish, B xa-k^oāda/xa-k^oāda id. into a mass.
- *k^oačə -- B k^oačə/k^oač innards, inside, interior.
- *k^oasa -- B k^oāsa/k^oāsa to go out (as fire, light)/to escape, run away, desert, elope.
- *k^oaša -- T k^oāša/... to sneak along, move noiselessly.
- *k^oakə -- B za-k^oač^oə/za-k^oak to change; to get spoiled (za- to oneself).

*bək ^o ə	T <u>little calf</u>	*lak ^o a	<u>grinder</u>
*pək ^o ə	T <u>compact (of fabrics)</u>	*lak ^o a	K <u>painter</u>
*tak ^o ə	<u>few, (a) little</u>	*lək ^o a	<u>messenger</u>
*tak ^o ə	Ṣ <u>place</u>	*xak ^o a	<u>reaper</u>
*čək ^o ə	<u>small</u>	*xak ^o a	<u>stallion</u>
*wəPlak ^o ə	T <u>to check up on</u>	*ɣ ^o ak ^o a	<u>pleasant</u>
*Thak ^o ə	<u>ear (-ma)</u>	*x ^o ak ^o a	<u>to pasture, itr.</u>
*nak ^o ə	<u>face/cheek, mountainside</u>	*ǵ ^o ak ^o a	T <u>to go astray (of cattle)</u>
*p ^h ak ^o a	B <u>saddle flap</u>	*ḥak ^o a	K <u>honeycombs with honey</u>
*zak ^o a	Ṣ <u>full, whole</u>	*šḥak ^o a	<u>offence taken, touchiness</u>
*č ^o ak ^o a	<u>felt cloak, "burka"</u>	*mark ^o a	<u>berry</u>
*š:a-k ^o a	<u>hunter, to hunt</u>		

86. Tk^o

- *Tk^o(a) -- B tk^oə/tk^oə to melt, thaw, drip, itr., .../tay-ǵā-tk^oa to drip on, bespatter, tr.

*Tk°aise -- B tk°apse/tk°aps drop (of water), cf. T pseḡā-n-tk°a id.

*ḡ°a(n)Tk°a T drop (of water, etc.)

87. Šk°

(After ā all dialects have sk° versus šk° elsewhere, cf. no. 74. Occasionally K has ṣk° besides or instead of šk°).

*Šk°(a) -- B šk°(a)/šk°(a) to squeeze, crush, cf. *paŠk°(a), etc.; T šk°ayaw to smithereens.

*Šk°əmpə -- B šk°əmpə/šk°əmp addle egg, rotten (egg) (orig. crush-shell?).

*Šk°əna -- T šk°əna/... noose.

*wəpəŠk°ə to crush, crumple, rumple

*məŠk°ə acorn

*PxaŠk°ə K wooden ring at end of rope for tying up fast

*nəŠk°ə to be chewed

*paŠk°(a) to pinch

88. x°

*x°ə -- B nātre-fə/x°ə corn, maize (Narts' millet)/millet.

x°ə -- B fe-ž'ə/x°ə-ž white, light (-ž'ə -colored).

*x°ə -- B fə/x°ə to roll dough, tr.

*x°ə -- .../pə-y-x° to smoke (of lamp, torch) (pə- tip, y- hollow, circle).

*x°ə -- fə/x°ə to plait (twigs), wattle (a fence), tr.

*x°ə -- .../xa-x° to forge (by hammering out of a mass xa-).

*x°(a) -- B fa/x°(a) to fall (K out of resp. into, onto) (only w. local prefixes), T fa to fly off (as chips while chopping wood), B -fa/-x°a remains, offal, cf. *Tḡax°a, etc.

*x°(a) -- B fə/x°ə to drive, chase, tr., K qə-da-x°a to drive (cattle, car) into stg., tr. (qə- hither, da- flat space).

*x°a -- B fa/x°a sinew.

*x°a -- T qə-da-fa/qə-da-x°a to be left over (*q:ə- hither, *da- flat space). Prob. identical with *x°(a) fall.

*x°a -- B šh'ə-fa/ṣə-x°a to smear (paint, grease) (*šh'ə- location).

*x°a -- T fa/x°a to fit, find place (in, around, etc.) (only w. local prefixes).

*x°əth^ha -- B fet^ha/... to forge.

*x°əth^ha -- .../x°əta to explore, discover, make clear.

*x°əPse -- .../x°əps larva, grub.

*x°əze -- T feze/x°əz to press (as orange).

*x°əč'(a) -- B feč'a/x°əč' to wash the head.

*x°əž'ə -- B fež'ə/x°əž' white.

*x°əla -- .../x°əla crop (of bird).

- *x^oe^ola -- B ya-fə^ola/ya-x^oe^ola to impel, induce.
 *x^oeg^oe -- B fəg^oe/x^oeg^o millet (with husks removed).
 *x^oenT^ox^oe -- T fəntfə/x^oentx^o husk of millet.
 *x^oeP^oxa -- .../x^oep^oxa rolling-pin.
 *x^oe(r)q^ho^oa -- B fər^oq^ho^oa/x^oeq^oa chaff.
 *x^oeš^ox^oa -- T fəš^ox^oa/x^oeš^ox^oa medicine, curative.
 *x^oeš^oha -- .../x^oeš^oha to yawn.
 *x^oap^ha -- B fāp^ha/x^oāpa to dress, tr.
 *x^oambe -- T fambə/... quiet, still.
 *x^oaba -- B fāba/x^oāba warm.
 *x^oaba -- T fāba/x^oaba-šəps a soup with lumps of dough.
 *x^oa(r)t^ha -- .../x^oārta diaper, x^oāta scarf.
 *x^oarza -- .../x^oārza to soar, hover. Cf. *narza.
 *x^oač^h’e -- B faš^h’e/x^oaš cramp, convulsion.
 *x^oaPž(a) -- B fābža/x^oābž quick, strong, important.
 *x^oa(n)la -- T fā(n)la/x^oāla to wither, wilt, fade.
 *x^oaye -- B faye/x^oay white maple (beloklën)/a kind of birch.
 *x^oame -- B fame/x^oam quiet, slow. Cf. T famefə/x^oaməx^o lazybones/un-
wieldy (person). Cf. also *x^oambe.
 *wex^oane -- .../wex^oan to plait, braid.
 *x^oara -- B fāra/x^oāra thoroughbred horse.

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|-----------------------------------|---|-----------------------------------|---|
| *p ^h ax ^o e | <u>white-nosed</u> | *P ^h ax ^o e | S <u>birch</u> |
| *t ^h ax ^o e | K <u>white</u> | *q ^o ax ^o e | K <u>w. light horns and light grey around nose (oxen)</u> |
| *c:ax ^o e | <u>tin</u> | *q ^o ax ^o e | <u>affair, business</u> |
| *čex ^o e | <u>human being</u> | *ğ ^o ax ^o e | T <u>zinc</u> |
| *čex ^o e | <u>to know</u> | *nax ^o e | <u>object borrowed, K also to win (e.g. money)</u> |
| *sax ^o e | K <u>(quick)lime</u> | *T ^h ax ^o e | K <u>with white ears</u> |
| *Psax ^o e | <u>to rest</u> | *nəx ^o e | K <u>sheep's rectum</u> |
| *Pzəx ^o e | <u>linden</u> | *nax ^o e | <u>light, clear</u> |
| *wəPzəx ^o e | K <u>to plan, make layout for</u> | *St:ax ^o a | T <u>ashes</u> |
| *zax ^o e | <u>oatmeal</u> | *čax ^o a | K <u>cobra</u> |
| *šax ^o e | <u>secret</u> | *sax ^o a | K <u>ashes</u> |
| *š ^o ax ^o e | <u>plain, steppe, smooth side of knucklebone/bald</u> | *zax ^o a | <u>straight, even</u> |
| *č’ex ^o e | <u>pale/bluish, birch-color</u> | *ž ^o ax ^o a | T <u>oil cakes for cattle</u> |
| *ž’ex ^o e | <u>fan</u> | *š:’ax ^o (a) | <u>to buy</u> |
| *č ^h ax ^o e | <u>wax</u> | *čex ^o a | <u>debt, loan</u> |
| *lax ^o e | K <u>feathergrass</u> | *welax ^o a | K <u>rate of pay, salary</u> |
| *k ^h ex ^o e | K <u>dry twigs</u> | *xax ^o a | <u>brave, T also sour (fruit)</u> |
| *gax ^o e | <u>tow-haired</u> | *T ^h ax ^o a | K <u>husks (after peeling corn)</u> |
| *kax ^o e | K <u>dawn</u> | | |

*q°ax°a	K	<u>chaff</u>	*max°a	<u>day</u>
*šmax°(a)		<u>separate</u>	*max°a	<u>happy</u>
*wəx°a	T	<u>to bend, tr.</u>	*nax°a	<u>definite, clear, obvious</u>
*wəx°a	K	<u>to build</u>		

89. Tx°

*Tx°(a)	-- B	tf(a)/tx°(a)	<u>five (times).</u>
*Tx°ayə	-- B	tfayə/tx°ay	<u>beech, hornbeam.</u>

*x°enTx°ə	<u>husk of millet</u>	*weTx°(a)	š	<u>to thrust, stab, prick</u>
*λenTx°a	<u>artery</u>			

90. Cx°, Šx°

(The two possibilities are not ordered alphabetically. The only certain case of *Cx° is the morpheme bridle and its derivative bit).

*Cx°a	-- B	šk:°a/šx°a	Be	čx°a	<u>bridle.</u>
*Šx°a	-- B	šk:°a/šx°a	Be	šx°a	<u>large, great.</u>
*Šx°əzə	-- B	šk:°əzə/šx°əz			<u>pelvis.</u>
*Cx°aq°ə	-- B	šk:°aʔ°ə/šx°aʔ°			<u>bit.</u> Cf. *Cx°a.
*Šx°alə	-- B	šk:°alə/šx°al			<u>udder.</u>

*wəŠx°ə	T	<u>to spread out, tr.</u>	*g°əŠx°a	(to be) <u>courageous, enthusiastic</u>
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91. Lx°

*Lx°(a)	-- B	λf(a)/λx°(a)	<u>to give birth, (in)tr.,</u> cf. K dalx° <u>brother (of woman).</u>
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92. q^h

*q ^h a	-- B	q ^h a/qa	<u>grave/cemetery.</u>
*q ^h aḡpa	-- .../qāḡpa	<u>scale of fish.</u>	
*q ^h a(m)ḡpa	-- T	qāḡpa/qāḡpa	<u>dandruff, K also husk of grain.</u>
*q ^h aPlā	-- .../qābla	<u>stretcher, litter for carrying dead to cemetery</u> (T pḡāmbła).	
*q ^h axa	-- .../qāxa	<u>feeble.</u>	

*baq ^h ə	K	<u>cow-shed</u>	*wəš°arq ^h ə	T	š	<u>to trouble, make muddy</u> (ša-)
*z°arq ^h ə	B	<u>troubled (water), stifling</u>				

93. q:

- *q:ə -- .../za-g^oa-đ to loosen, unbutton (collar, shirt) (za-g^oa-joined).
- *q:ə -- T -qə/-đ large, (filled?), T nēba-q/nēba-đ pot-bellied, T ca-mē-q/ḡa-mē-đ with large teeth (*c:a tooth, -mē- prob. connective).
- *q:(a) -- B q:ə/đe to be benumbed, dumbfounded, speechless, Š to harden, itr., T ḡa-qe to make blunt, to fill, cram, T pē-qa to make blunt (pē- tip). Cf. also *p^haq:a, *Šhaq:a.
- *q:(a) -- B ya-q:ə-x/yē-đa to swallow/to devour (ya-...-x down, yē- hollow).
- *q:a -- B t^hya-q:a/... to overtake, leave behind (t^hya- on).
- *q:əṢ^oca -- B q:əpca Š q:əṣ^ota/đepca plum.
- *q:əle -- .../đel vjazel' pēstryj (bot.).
- *q:əq:ə -- B q:əq:ə/đeđ to stutter.
- *q:əwə -- .../đew swan.
- *q:ərə -- .../đer stony land (unfit for agriculture), rock.
- *q:ap^he -- .../đap sack.
- *q:abe -- B q:abe/đab pumpkin (cf? Tu kabak).
- *q:aze -- B q:āze/đāz goose (Tu kaz).
- *q:aPz(a) -- B q:ābza/đābza clean, B wēq:abzə/wēđabz to clean.
- *q:anḡ'a -- B q:ānḡ'a/đānḡa magpie.
- *q:ala -- B q:āla/đāla town, fortress (Tu kale).
- *q:(a)Pla -- B q:əbla/đābla south.
- *q:aq:a -- B q:āq:a/đāđa to cackle, crow.
- *q:aṢḡ^oa -- T qāṣḡ^oa/đāṣḡ^oa sky-blue, T also green.
- *q:ayə -- B q:ayə/đa-đay to belch (đa- hither), B also to hiccup.
- *wēq:aya -- See *wēq:aya.
- *q:ama -- B q:āma/đāma dagger (Tu kama).
- *q:ane -- B q:ān/đān ward, pupil (cf? Tu kan blood).
- *q:ara -- B q:ara/đāra black (of horse) (Tu kara).

*t:əq:ə	<u>back part</u>	*naq:ə	Š <u>to flower, bloom</u>
*deq:ə	<u>to stiffen, grow numb</u>	*p ^h aq:a	<u>snub-nosed</u>
*saq:ə	<u>(to be) careful</u>	*t:aq:a	<u>stump, thick end, handle</u>
*zarq:ə	Š <u>pole w. branches on which herdsman hang sacks, etc.</u>	*daq:a	<u>hind end</u>
*g ^o erq:ə	<u>vertebra of neck (pša-)/ protuberance of thorax</u>	*c:aq:a	<u>to bite</u>
*q:əq:ə	<u>to stutter</u>	*ç:aq:a	<u>shoes</u>
*ḡaq:ə	<u>duty, obligation</u>	*q:aq:a	<u>to cackle, crow</u>
*wēq:ə	<u>to open wide, distend</u>	*Pḡaq:a	<u>self-satisfied/with wide breast</u>
*warq:ə	<u>nobleman</u>	*Šhaq:a	<u>stupid</u>

94. Pq:

- *Pq:ə -- B pq:ə/pqə framework, (part of) body, stone of fruit, (in compounds:) bone, stalk, K waradə-pq melody, cf. *š^oa.
- *Pq:a -- B -pq:a/-pqa piece of land destined for cereals (K g^oažə-pqa id. for wheat, etc.), T g^oəna-pqa/g^oəna-pqa boundary (g^oəna edge, border).
- *Pq:əš^oa -- B pq:əš^oa/pqəša well-built.
- *Pq:əğ^oa -- T pqəğ^oa/pqəğ^oa thing, object.
- *Pq:əna -- T pqəna/pqəna (dye made of) henna (cf? Tu kina).
- *Pq:awə -- B pq:awə/pqaw pillar, post.

- | | | | |
|-----------------------|--------------------------------------|-------------------------|--------------------------------|
| *daPq:ə | B <u>wall</u> | | <u>for modelling (clothes)</u> |
| *žalPq:ə | <u>chin, B also steep hill</u> | *naPq:ə | <u>cheekbone; riverbank</u> |
| *laPq:ə | <u>tribe, clan, kind, sort</u> | *zaPq:(a) | <u>(to) straight(en)</u> |
| *PləPq:ə | <u>shoulder-joint</u> | *šəPq:(a) | <u>real, genuine, complete</u> |
| *x ^o əPq:ə | B <u>weaving loom; form or frame</u> | *k ^h əPq:(a) | <u>stone of fruit</u> |

95. q

- *q̌a -- B q̌a/?a hand, arm, Š also to touch, tr.
- *q̌a -- B q̌a/?a (in compounds:) horned cattle, cf. *q̌aš:’ə, *q̌aš^oa, etc.
- *q̌a -- B š^h’ə-?a/šə-?a to be there, exist (*š^h’ə- general deixis), T ǧā-?a to lift, raise, unfold (banner), open (umbrella), T pə-?a to tear off, itr. (pə- tip), B yə-?a/yə-?a to be a possession of (yə- refers to possessor).
- *q̌a -- B yə-?a/yə-?a to dye, tr.
- *q̌exe -- T ?exe/?ex to take, receive stg. from sb., T q-ya-?exe/q̌-ay-?ex id. (*q:ə- hither).
- *q̌əğ(a) -- B ?əğə/?əğ to be held (B sə-mə-?əğ don't hold me!, sə-p-?əğ you hold me), K xa-?əğa to hold stg. in a mass xa-, tr.
- *q̌əña -- B ?āñə/?əña part, share.
- *q̌ap^ha -- B ?āp^ha/?apa finger.
- *q̌ab(a) -- B ?āba/?aba to stretch out the hand, itr., K also to steal, tr., T ?ābə hand; to tear off, K ya-?ab to touch, itr.
- *q̌a(m)pa -- T ?āpa/?ampa thing, goods, wares/bag, pouch, equipment, trifle.
- *q̌ath^ə -- B ?ath^ə?at to take up, lift up.
- *q̌ath^a -- B ?āth^a?ata haystack (larger than *q̌ag^oa).
- *q̌ada -- B ?āda/?ada pincers, tongs.
- *q̌ase -- B λə-?ase/λə-?as to reach to, get to (λə- after).
- *q̌asa -- B ?āsa/?asa tame, quiet, T also to become silent.
- *q̌aza -- B ?āza/?aza skilful, master, doctor.
- *q̌aPša -- B ?āpša/?apša wrist.
- *q̌aš^oə -- B ?aš^oə/?aš^o sweet.
- *q̌aš:’ə -- B ?aš:’ə/?aš enclosure for cattle/cattle.

- *ǰaPč:a -- B ʔāpč:a/... forest-trail, T pa-ʔāpča far, separated. Cf. *ǰa-ǰ^oa.
- *ǰaš:a -- B ʔāš:a/ʔaša tool, weapon.
- *ǰaža -- B ža/ʔaža sledge.
- *ǰaža -- T ya-ʔāža/... to hold back, restrain.
- *ǰała -- T ʔāła/ʔała mitts, gloves.
- *ǰanła -- B ʔānła/ʔanła trough (for dough).
- *ǰale -- T ʔāle/ʔal wild (opposite of *ǰasa tame).
- *ǰaPła -- T ʔābla/ʔabla arm, forearm.
- *ǰaPł(a) -- B ʔāpłə/ʔapłə embrace, K also armful.
- *ǰaga -- B ʔāǰ'-ey/ʔaga handful, many.
- *ǰaška -- T ʔāška/ʔaška lump, (snow)ball.
- *ǰaPǰa -- T ʔābǰa/... wattle-made drying-rack for corn, etc.
- *ǰag^oe -- T ʔāg^oe/... courtyard (T also š ʔāg^oe).
- *ǰag^o(a) -- B ʔag^oe/ʔag^o palm of hand, B ʔāg^oa/ʔag^oa small haystack/handful.
- *ǰaPǰa -- .../ʔabǰa herd of beef-cattle.
- *ǰaǰ^oe -- T ʔaǰ^oe/... bracelet (K ʔa-pǰa-ǰ^o).
- *ǰaǰ^oa -- B ʔāǰ^oa/ʔaǰ^oa herdsman of cattle.
- *ǰaPǰ^oa -- .../ʔapǰ^oa to move to another place.
- *ǰaǰ^oa -- T ʔāǰ^o-aw, pa-ʔāǰ^oa/ʔaǰ^oa nearby. Cf. *ǰaPč:a.
- *ǰaPǰ^oa -- T ʔābǰ^oa/... piece (of cloth, leather, etc.).
- *ǰaya -- B ʔāya/ʔay bad, B also ugly.
- *ǰana -- B ʔāna/ʔana small three-legged table.

*Pseǰa	<u>wet/wetness, moisture</u>	*g ^o (a)ǰa B	<u>to hurry</u>
*č ^h (a)ǰa	<u>to put up with, withstand</u>	*weǰa	<u>to wound</u>
*čeǰa	<u>cold</u> (noun)	*naǰa	<u>attention, care</u>
*g ^o eǰa	<u>to worry, care/grieve, sob</u>		

96. ǰ

- *ǰ(a) -- B ǰə/ǰe net, fishing net, web, B baǰ'ə-ǰə/bagə-ǰ spider-web, B ǰe/... to knit, tr., B ǰa/za-rə-ǰa to knit, B itr.
- *ǰeža -- T ǰeža/ǰeža to hurry/to be bold, decisive, frenzied.
- *ǰega -- .../ǰega-bz girl (-bz female).
- *ǰeye -- .../ǰey excitement, fury.
- *ǰeya -- B ǰeya/ǰay to move, make movements.
- *ǰewe -- B ǰewe/... grey shrike, T jay.
- *ǰath^a -- B ǰāth^a/ǰāta (nothing) special, important/(not) a bit (used in negative expressions only).
- *ǰaǰa -- T ǰāǰa/... boastful.
- *ǰare -- T ǰare/ǰar grating, K also lace.

*c ^h er ^h e	K	<u>to touch</u>	*se ^h a	<u>crystals (of snow, sugar)</u>
* ^h er ^h e		<u>thin, transparent (fabric)</u>	*la ^h a	<u>(to) hobble</u>
*č ^h 'ar ^h e		<u>wheel</u>	* ^h a ^h a	T <u>boastful</u>
*wema ^h e	T	<u>to bless, to baptize</u>	* ^h ga ^h a	<u>to do, accomplish</u>
*p ^h er ^h (a)		<u>(to) snore</u>	* ^h ga ^h a	T <u>to curse, tr.</u>
*p:a ^h a		<u>steam</u>	*ma ^h a	T <u>sharp pain due to inflammation of nerve</u>
*c:a ^h a		<u>w. wide-spaced teeth</u>		

97. P^h

- *P^he -- T p^he/p^he carrot.
- *P^h(a) -- B p^he/p^he to strew, scatter, sow by strewing, tr., T xa-p^ha/x
xa-p^ha to strew into, tr.
- *P^ha -- B p^ha/p^ha wood, (in compounds:) tree; material for stg.; means,
instrument.
- *P^hap^ha -- B p^hap^ha/... small stick.
- *P^ha^he -- T p^ha^he/... lot, fate.
- *P^hač^ha -- T p^hač^ha/... bedbug.
- *P^haP^he -- B p^hap^he/p^haps plane (tool).
- *P^ha^ha -- B p^ha^ha/p^ha^ha weaver's comb.
- *P^hač^h:^oe -- T p^hač^h:^oe/p^hav rafter/brace between rafter and beam.
- *P^haš^h:^oa -- T p^haš^h:^oa/p^ha^ha treebark.
- *P^hač^h^ha -- B p^hač^h^ha/p^hač^h^ha rough, tough, spirited.
- *P^hač^h^ha -- T p^hač^h^ha/p^hač^h^ha brittle, fragile.
- *P^ha(m)Pla -- T p^ha(m)pla/p^hābla stretcher on which the dead are carried to
the grave, T also transport of the dead on horses.
- *P^han^h(a) -- B p^han^h'a, p^han^h'e/p^han^h to sweep, itr. and tr.
- *P^haxe -- B p^haxe/p^hax file (tool).
- *P^haxe -- T p^haxe/p^hax to open, uncover (a straw roof).
- *P^hak^h:^oe -- T p^hak^h:^oe/p^hak^h heart of tree/timber.
- *P^haš^h:^oe -- .../p^haš^h:^oe wooden ring at end of rope for tying up fast (also
p^haš^h:^oe, p^haš^h:^oe, originally prob. "wood-squeeze").
- *P^hax^h:^oe -- S p^hax^h:^oe/... birch.
- *P^haP^ha -- T p^hap^ha/... crumbly, to crumble.
- *P^haq:^oa -- .../p^haq:^oa torch.
- *P^ha^h:^oa -- B p^ha^h:^oa/p^ha^h:^oa rasp.
- *P^ha(m)(P)g^h:^oe -- B p^hamb^h:^oe/p^ha(m)g^h:^oe board, plank, S also p^hag^h:^oe.
- *P^hana -- T p^hana/... square on chessboard.
- *P^hare -- B p^hare/p^har alarm, pursuit, chase. Cf. *P^h:^oare.

*P ^h ep ^h e	K	<u>liar</u>	*č ^h 'aP ^h e	<u>small shot</u>
* ^h : ^o aP ^h e		<u>to pour boiling water over</u> <u>stg. (ga-)</u>	*č:aP ^h e	<u>to dry up, dry out</u>

*kaP̄xə	<u>squirrel</u>	*x ^o əP̄xa	K <u>rolling-pin</u>
*PzəP̄xa	<u>pattern (for cutting)</u>	*P̄xaP̄xa	T <u>crumbly, to crumble</u>
*g ^h aP̄xa	<u>measure, size, example</u>	*q: ^o əP̄xa	<u>form, mold, shoe-tree</u>
*(P)kəP̄xa	<u>small toothed wheel for cutting dough</u>	*x ^o əP̄xa	<u>talented, having aptitude</u>

98. T̄x̄

*T̄x̄(a)	-- B t̄x̄e/t̄x̄e <u>to scratch</u> , B ġa-t̄x̄e/t̄x̄e <u>to peel ears of corn</u> , B also <u>to harrow</u> , T xa-t̄x̄e/xa-t̄x̄ <u>to tear (out)</u> , K xa-t̄xa <u>to tear apart (xa- mass)</u> .
*T̄xa	-- B t̄xa/t̄xa <u>to prosper, live in abundance</u> .
*T̄x̄eT̄x̄e	-- B t̄x̄et̄x̄e/t̄x̄et̄x̄ <u>to hurry</u> .
*T̄x̄ax ^o a	-- .../t̄x̄āx ^o a <u>husks (after peeling corn)</u> .

*zanT̄x̄e	<u>oats</u>	*p ^h aT̄xa	B <u>ragamuffin</u>
*lanT̄x̄e	T <u>to be torn (off)</u>	*ç: ^o ə(n)T̄xa	B <u>to tear up</u>
*kanT̄x̄e	K <u>remains on bottom</u>	*PlanT̄xa	T <u>shoulder w. leg (of animal)</u>
*T̄x̄eT̄x̄e	<u>to hurry</u>	*k ^h aT̄xa	<u>to tear or be torn to shreds</u>
*q: ^o anT̄x̄e	<u>spoils, trophy</u>		

99. Š̄x̄

*weŠ̄x̄enda	-- T weš̄x̄enda/... <u>to let oneself go, become shabby</u> .
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*taŠ̄xa	<u>(to become) weak/unstable,</u> Be <u>secret</u>
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100. Š̄x̄

*Š̄x̄e	-- Š̄ ġa-š̄x̄e/ġa-š̄x̄ <u>to move down, bend down, incline, tr.</u>
*Š̄xa	-- Š̄ š̄xa/... <u>small, tiny</u> , T š̄x̄āš̄xa <u>to be smashed to smithereens</u> .
*Š̄x̄eŠ̄x̄e	-- .../š̄x̄eš̄x̄ <u>to rustle, crackle</u> .
*Š̄x̄aye	-- T š̄x̄aye/... <u>small (potatoes, change, etc.)</u> . Cf. *Š̄ġaye.
*Š̄x̄ara	-- .../yē-š̄x̄ara <u>north</u> (cf. *Š̄x̄e; yē- poss. 3rd pers. possessive).

*Š̄x̄eŠ̄x̄e	K <u>to rustle, crackle</u>	*čəŠ̄xa	T <u>to glitter, sparkle</u>
*naŠ̄x̄e	<u>sad/stern, angry glance</u>	*kaŠ̄x̄(a)	K <u>poor, meagre; in small pieces</u>

101. ġ

*ġe	-- T š̄'e-ġe/ġe-ġ <u>to be worn by sb. (of clothes) (*š̄^h'e- location)</u> .
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- *ǵ(a) -- B ǵe/ǵe to weep, T tya-ǵa/tay-ǵa to weep over, bewail (*t^hya-on).
- *ǵa -- B ǵa/ǵa year, season, T also summer.
- *ǵa -- B ǵa-/ǵa- causative prefix; petrified in several stems, cf. *ǵaza, *ǵaza, etc.
- *ǵa -- B -ǵa/-ǵa suffix for nomina actionis and abstracta; also in names of products, cf. *Pzeǵa, *ǵaǵa, etc., for which cf. also *-ǵa past tense.
- *ǵePza -- B ǵebza/ǵebza lament (song).
- *ǵasa -- B ǵāsa/ǵāsa mowed harvest (uncollected or unthreshed), B also wagonload of mowed grain.
- *ǵaze -- T ya-ǵaze/ya-ǵaz to force, compel sb. to do stg.
- *ǵaza -- T ǵāza/ǵāza to turn, spin, tr., K also turn(off)
- *ǵaza -- T ǵ^oa-ǵāza/fa-ǵāza measles (*ǵ^oa skin). Prob. to preceding item.
- *ǵaza -- T pe-ǵa-za-n/pe-ǵāza to solder stg. to stg., tr. (pe- tip).
- *ǵaǵa -- B ǵāǵa/ǵāǵa life(time).
- *ǵaz^oa -- B ǵāz^oa/ǵāva grain harvested, T millet.
- *ǵač^h’e -- T ǵaš’e/ǵaš milk, milk products.
- *ǵač:ə -- T xa-ǵačə-ǵa-r/xa-ǵaž excision, carving/to cut out (of a mass xa-) (-ǵa past, -r absolute), K pe-ǵaž to cut off from the front pe-.
- *ǵaPla -- B ǵābla/ǵābla hunger, famine, K also crop failure.
- *ǵaP^la -- T ǵāp^la/... to compress, to iron (originally poss. fold in four).
- *ǵaTxa -- B ǵātxa/ǵātxa spring (season).
- *ǵaǵa -- T ǵāǵa/ǵāǵa to do, accomplish, tr., T ǵaxā-ǵa success.
- *ǵaǵa -- T ǵāǵa/... to curse, tr.
- *ǵaǵa -- B q:a-ǵāǵa/ǵa-ǵāǵa to flower, bloom (*q:a- hither).
- *ǵaǵ^oa -- T ye-ǵaǵ^oa-n/ye-ǵāǵ^oa to pour in (ye- hollow, container).
- *ǵaǵ^oe -- B ǵaǵ^oe/ǵaǵ^o to have mercy.
- *ǵaya -- B ǵāya/ǵay to mourn, lament.
- *ǵaya -- .../ǵay failure of crops, famine.
- *ǵana -- .../ǵāna what is mowed off with one sweep of the scythe (cf? B harǵan mowed-off row).
- *ǵare -- B ǵare/ǵar prisoner.

*derǵe	T	<u>to sting (w. words), abuse</u>	*daǵa	<u>lard, fat</u>
*čerǵe	Š	<u>snail</u>	*taǵa	K <u>to put on, dress</u>
*zaǵe		<u>becoming (of clothes)/easily digestible</u>	*saǵa	<u>bee bread/larvae and pupae of bees</u>
*ke(r)ǵe		<u>to squeak, creak</u>	*Psaǵa	T <u>target (in shooting)</u>
*ǵ ^o erǵe		<u>kingpin of cart</u>	*Pzeǵa	<u>slice, piece</u>
*ǵeǵe		<u>to be held</u>	*Pzeǵa	<u>clear (about night)</u>
*q: ^o eǵe	K	<u>to howl (as dogs)</u>	*zaǵa	<u>to come to rest</u>
*t:eǵa		<u>sun</u>	*Pzaǵa	B <u>wrong (inner) side of textile</u>

*šağa	(round) <u>braid</u> , T also <u>wick</u>	*kağa	K <u>fog</u>
*z°əğa	T <u>mass, multitude</u>	*g°əğa	<u>hope</u> , K also <u>opinion</u>
*šh°əğ(a)	<u>beads</u>	*ğağa	<u>to flower, bloom</u>
*pž°əğa	<u>grease-stain on clothing</u>	*q:°ağa	<u>raven</u>
*Pč:(a)ğa	<u>number, quantity</u>	*q:°ağa	K <u>corner, space behind stg.</u>
*leğa	<u>forest- or steppe-fire</u>	*yağa	<u>rash, pimple/fault</u>
*lağa	T <u>plate, dish</u>	*wağa	<u>ribbon, lace, braid</u> , T also <u>to braid, weave</u>
*Plağa	<u>near, close (as relative)</u>	*wağa	T <u>to churn (butter)</u>
*Plağa	B <u>bead</u>		

102. Pğ

*Pğa	-- B bğa/bğa <u>to cover a roof with straw, tr.</u>
*Pğa	-- T ya-bğa/... <u>to take offense at, carry a grudge about (subject g°e the heart)</u> .
*Pğa	-- B bğa/bğa <u>breast</u> .
*Pğa	-- B bğa/bğa <u>eagle</u> , T also <u>kite</u> .
*Pğa	-- B bğa/bğa <u>barren, dry (of cows)</u> .
*Pğag°e	-- B bğag°e/bğag° <u>brisket, thorax</u> .
*Pğaq:a	-- T bğāqa/bğāqā <u>self-satisfied/with wide breast</u> .
*Pğašx°a	-- T bğāšx°a/bğāšx°a <u>hawk/steppe-eagle</u> .

*p ^h aPğa	K <u>eager, burning w. desire</u>	*haPğa	S <u>divan</u>
*ž°əPğa	<u>wind</u>	*naPğa	<u>near-sighted</u>
*q ^h aPğa	K <u>herd of beef-cattle</u>		

103. Šğ

*Šğerbe	-- T zğerbe/zğereb <u>wild grape/gooseberry</u> (K also šğereb).
*Šğaye	-- T zğaye/zğay <u>small (potatoes, change, etc.)</u> (T also šğaye, K also zğež).

*peŠğe	K <u>smithereens</u>	*weŠğ(a)	<u>to peel, pearl (barley)</u>
*naŠğe	<u>eye-socket</u>		

104. q^ho

*q ^h oe	-- B q ^h oe/q ^h o- ^o <u>to break wind (q^ha- hither)</u> .
*q ^h oa	-- B q ^h oa/q ^h o <u>pig</u> .
*q ^h oeza	-- .../q ^h oezā-na <u>sieve</u> (na <u>eye</u> , here a formative).
*q ^h oeze	-- B q ^h oeze/q ^h o <u>pear</u> .
*q ^h oela	-- .../q ^h oela <u>thick sediment, dregs</u> .

- *q^ho_{ela} -- B q^ho_{ela}/... stalks and leaves (of melons, beets, potatoes, etc.).
 *q^ho_{eh(a)} -- B q^ho_{eh} T q^oeha/q^oeh boat, ship.
 *q^ho_{aš^oa} -- B q^ho_{aš^oa}/q^oāfa boat.
 *q^ho_{aš^oa} -- B ḥa-q^ho_{aš^oa}/q^oāfa dog's ḥa feeding trough/gutter, trough.
 *q^ho_{aya} -- B q^ho_{aya}/q^oay cheese.

- | | | | |
|---|----------------------|---|--|
| *kaq ^h o _e | K <u>cock of gun</u> | *Txaq ^h o _a | Ṣ <u>shady side of mountain</u> |
| *yaq ^h o _e | <u>cud/entrails</u> | *x ^o e(r)q ^h o _a | <u>chaff</u> |
| *č ^o 'aq ^h o _a | <u>bread</u> | *ḥaq ^h o _a | <u>water-trough for cattle</u> |
| *č ^o eq ^h o _a | B <u>badger</u> | *w ^o eq ^h o _a | <u>to whirl up, to destroy, be destroyed</u> |
| *x ^o eq ^h o _a | <u>porpoise</u> | | |

105. q:^o

- *q:^oe -- .../q^oe to thrash, beat.
 *q:^oe -- B ye-q:^oe/q^oe to fill up (e.g. a sack with flour).
 *q:^oe -- T ya-q^oe/ye-r-ey-q^o it suffices/to be content, satisfied with stg., T ye-q^o-č^o'a/ye-q^o-ka very, fully (-č^o'a instrumental).
 *q:^oe -- B ya-q:^oe/ya-q^o to push, pull.
 *q:^o(a) -- .../q^oe to stretch (e.g. a skin), tay-q^oa to pull stg. over stg.; cover, case.
 *q:^oe -- .../q^oe handle, haft, knob of door, cf? also K pxa-q^o contraction to prevent cow from sucking itself (pxa wood).
 *q:^o(a) -- B č^o'a-ḡā-q:^oa/ṣa-ḡā-q^oa to prop up, support, K xabza-ṣa-q^o one who upholds the tradition, K k^oe-q^o crossbeam (*č^o'a- under, *xā-pza tradition, *k^ho_e middle).
 *q:^oa -- B q:^oa/q^oa son.
 *q:^oa -- B q:^oa/q^oa mountain-valley, ravine.
 *q:^oet^ha -- B q:^oet^ha/q^oeta to smash, break up, chop.
 *q:^oert^he -- B č^o':at:-q:^oert^he/q^oert brood-hen (*č^o':at:ə chicken).
 *q:^oez(a) -- B q:^oeze/q^oez to compress, T č^o'a-q^oeza/ṣa-q^oeza to pull fast (as belt).
 *q:^oep^ha -- .../q^oep^ha form, mold, shoe-tree.
 *q:^oeḡe -- .../q^oeḡe to howl (as dogs).
 *q:^oeš^ha -- T q^oeš^ha/q^oeš^ha mountain, K also Balkar, Ossete.
 *q:^oePš^ha -- B q:^oepš^ha/q^oepš^ha bone, K ṣḥa-q^oepš^ha skull.
 *q:^oeye -- B q:^oeye/q^oey mangy.
 *q:^oera -- B q:^oera/q^oera dried-out stalks, dried grass/rough (as hide).
 *q:^oap^h(a) -- B q:^oap^he T q^oāpa/q^oāpa corner (e.g. of table), angle, Ṣ twig, *wana-q:^oap^ha pommel of saddle.
 *q:^oade -- B q:^oade/... stubborn.
 *q:^oa(n)c^ha -- B q:^oānc^ha/q^oāca branch with twigs/branchy.
 *q:^oaPca -- B q:^oāpca Ṣ q^oāpca/q^oāpca dark-haired, swarthy, K also lean.
 *q:^oap^hse -- B q:^oap^hse/q^oaps handle, haft, ear (of vessel)/rhizome.

- *q:°a(n)čh'a -- B q:°āšh'a/đ°ānša crooked.
- *q:°až'a -- B q:°āž'a/đ°āža village, aul.
- *q:°ačh'e -- B q:°ačh'e/đ°aš brother, B also relatives.
- *q:°anča -- B q:°ānča/đ°ānša jackdaw/rook.
- *q:°aλa -- B q:°āλa/đ°āλa to be turbulent/to boil, itr.
- *q:°ala -- T q°ala-žə/đ°āla raven/crow (žə old, here hypocoristic).
- *q:°ak:°a -- T q°āk°a/đ°āg°a hornless/one-horned, one-eared, asymmetrical.
- *q:°ax°e -- .../đ°ax° (color of oxen:) black w. light horns, light grey around nose.
- *q:°anTħe -- B q:°antħe/đ°antħ spoils, trophy.
- *q:°ağa -- B q:°āğa/đ°āğ raven.
- *q:°ağa -- .../đ°āğ corner, space behind stg. Cf. next item.
- *q:°ağ°e -- B q:°ağ°e/... corner. Cf. preceding item.
- *q:°ağ°e -- B q:°ağ°e/đ°ağ° skinny, lean.
- *q:°aye -- T q°aye/đ°ay 8th/3rd year of 12-year animal cycle (cf? Tu koyun sheep; there must be an error in the numbering in Kardanov 1957 as the 3rd year is also given as K želān, which is the 6th in T ž'elān, cf. Tu yılan snake).
- *weq:°aya -- T ġa-weq°āya/weq°ay to remove feathers with boiling water/to moult (T weqaya-n to moult).
- *q:°ama -- Š q:°āma/... twig.
- *q:°ane -- B q:°ane/đ°ane-ž a kind of mint (wood betony).

- | | | | |
|------------------------|--|--------------|---|
| *baq:°e | <u>furrow/boundary between two plots</u> | *Pzaq:°a | <u>horn (of cattle)</u> |
| *g°aq:°e | <u>bald</u> | *Pš:°eq:°a | <u>husband's brother</u> |
| *š:°eq:°e | <u>vessels, plates and dishes</u> | *λaq:°a | <u>leg</u> |
| *k ^h °eq:°e | K <u>crossbeam</u> | *Pλeq:°a T Š | <u>to cool off</u> |
| *Tħaq:°e | <u>to steal/confiscate, abduct</u> | *λaq:°a | <u>clan/sworn brother</u> |
| *maq:°e | <u>hay</u> | *Pğeq:°a | <u>crossbeam</u> |
| *baq:°a | <u>to step, stride</u> | *Pħaq:°a K | <u>torch</u> |
| *t ^h aq:°a | <u>to strew</u> | *ħaq:°(a) | <u>to bark/to make noise</u> |
| *t:erq:°a | <u>scar</u> | *Tħarq:°a | <u>pigeon, dove</u> |
| *Tđ°a(r)q:°a | <u>a bifurcation/dual, in two</u> | *weq:°(a) | <u>top part drops down, śħa-to doze</u> |
| *zaq:°a | <u>lonely, (a)lone</u> | *neq:°a | <u>half; to be in need of</u> |

106. đ°

- *đ°e -- B ʔ°e/ʔ°e (cavity of the) mouth; orifice.
- *đ°e -- B ye-ʔ°e/ye-ʔ°e to stick, put into (a hollow ye-), tr., B p^he-ʔ°e/pe-ʔ°e to stick onto (*p^he- tip).
- *đ°(a) -- B q:a-ʔ°e/qa-ʔ°e to resound, be heard, spread (of rumor) (*q:a- hither), B ʔ°a/ʔ°a to speak/to sing, crow (of birds).
- *đ°a -- B ʔ°a/ʔ°a pen, fold (for cattle)/wattle fence of id.

- *d^oa -- B ʔ^oa/ʔ^oa to thresh, itr. and tr., T ʃ^oa-ʔ^oa-ca/fa-ʔ^oa-ʒa implement for softening leather (*ʃ^oa hide, *c:a tooth).
- *d^oa -- B -ʔ^oa/-ʔ^oa suffix -ish with color names.
- *d^oep^ha -- B ʔ^oep^ha/ʔ^oepa mouth, lips.
- *d^oebe -- T ʔ^oebe/ʔ^oeb gulp/to gulp.
- *d^oebe -- T ʔ^oebe/ʔ^oeb to overturn.
- *d^oe(m)pa -- T ʔ^oepa/ʔ^oempa bridle, reins.
- *d^oeda -- B ʔ^oeda/ʔ^oeda flounce, frill, fringe/lace (in the verb B K ʔ^oeda to sew on, ʔ^oe- has the status of a prefix).
- *d^oese -- B ʔ^oese/ʔ^oes food, feed.
- *d^oesa -- B ya-ʔ^oesa/ya-ʔ^oesa to touch.
- *d^oepse -- B ʔ^oepse/ʔ^oeps spittle.
- *d^oeza -- .../ʔ^oeza crooked; narrow, flat.
- *d^oeʒ(a) -- T ʔ^oeʒe-ħa-n/ʔ^oeʒa to build (as dam)/dam.
- *d^oepʒa -- B ʔ^oepʒa/ʔ^oepʒa lips, K ʔ^oepʒa ʒen to purse one's lips (to show contempt) (ʒen to make).
- *d^oeʒ^oa -- B ʔ^oeʒ^oa/ʔ^oefa shore, bank, edge.
- *d^oeʒ^oe -- B ʔ^oeʒ^oe/ʔ^oev thick (layer, fluid), fat (person).
- *d^oeč^ha -- T ʔ^oeš'a/ʔ^oeša with crooked mouth/crooked, bent.
- *d^oe(n)č'(a) -- B ya-ʔ^oeč'a/ʔ^oenʒa, ya-ʔ^oenʒ to push, shove.
- *d^oePč'(a) -- B ʔ^oepč'a/ʔ^oepʒ articulate, clear, distinct. Cf. *g^oePč'a.
- *d^oePč'a -- B ʔ^oepč'a/ʔ^oepʒa layer/piece, portion, B txē-ʔ^oepč'a/txē-ʔ^oepʒa vertebra (txē backbone).
- *d^oeč(a) -- T wē-ʔ^oečē/ʔ^oeʒa to cut, hew, trim.
- *d^oeš:e -- B ʔ^oeš:e/ʔ^oeš smart, intelligent, B wē^oeš:e to instigate.
- *d^oePɫa -- T ʔ^oepɫa/ʔ^oepɫa-ğ^oa glance, look.
- *d^oela -- T ġa-ʔ^oela/ġa-ʔ^oela to fool/to tempt, seduce.
- *d^oeł(a) -- B ʔ^oeła/ʔ^oeła, ya-ʔ^oeł to tack, stitch, rivet.
- *d^oenke -- T ʔ^oenč'e-bza/ʔ^oenke-bza lock, T also key.
- *d^oePxa -- T pa-ʔ^oepxa/ʔ^oepxa apron.
- *d^oek^ha -- T ʔ^oek^oa/ʔ^oek^oa plug, spigot.
- *d^oe(P)č^oa -- B ʔ^oeč^oa T ʔ^oe(p)č^oa, pa-ʔ^oeč^oa/ʔ^oeč^oa curtain.
- *d^oeʒč^oa -- B ʔ^oeʒč^oa/... shrew, termagant. Cf? *d^oaʒč^oe.
- *d^oeğ^oa -- B ʔ^oeğ^oa/ʔ^oeğ^oa smoke.
- *d^oeʒħa -- B ʔ^oeʒħa/ʔ^oeʒħa poppy.
- *d^oeya -- T ʔ^oeya/ʔ^oay foot-and-mouth disease.
- *d^oena -- B ʔ^oena/ʔ^oena nail.
- *d^oath^e -- B ʔ^oath^e/ʔ^oat to knead, rub (esp. leather).
- *d^oath^a -- B ʔ^oāth^a/ʔ^oāta to tell, report/to announce, make known.
- *d^oa(ʔ/n)ta -- B ʔ^oānta/ʔ^oānta to bend, distort/to turn, wind, K xa-ʔ^oā(n)ta to screw, drill in (xa- mass).
- *d^oag^oe -- T ʔ^oag^oe/ʔ^oag^o house-serf/homestead.

- *q°ax°e -- B °afe/°ax° affair, business.
 *q°ax°a -- .../°ax°a chaff.
 *q°ax°e -- T °ax°e/... to make a slip in speaking.
 *q°asx°e -- .../°asx° raving, delirium. Cf. *q°esx°a.
 *q°asña -- B °asña/°asña barrow/hill.
 *q°aye -- T °aye/°ay to bleat.

*wəpaq°e	B	<u>to pluck (a bird)</u>			<u>bride's headdress</u>
*Pseq°e		<u>riverbank</u>		*maq°e	<u>shield</u>
*s°aq°e		<u>(to turn) sour</u>		*naq°e	<u>face</u>
*č°eq°e		<u>buttons, fastening</u>		*p°eq°a	<u>cap, hat</u>
*č°eq°e		<u>upper part, top side</u>		*beq°(a)	<u>misshapen</u>
*s°h°aq°e		<u>to moan</u>		*daq°(a)	<u>to listen, obey</u>
*P°laaq°e		<u>upper back, shoulders</u>		*Pš:°eq°a	<u>temporary lodging</u>
*g°aq°e	T	<u>likable (person)</u>		*Pž°aq°a	<u>bee-garden</u>
*C°x°aq°e		<u>bit</u>		*laaq°(a)	<u>to request</u>
*ñaq°e	T	<u>mushroom</u>		*weq°(a)	<u>to peck</u>
*Tñaq°e	T	<u>boot-top</u>		*naq°a	<u>well-known, K also distinct,</u> T also <u>give oneself airs</u>
*šñaq°e		<u>top edge/front part of</u>			

107. x°

- *x°e -- B x°e/x°e to graze, B ša-x°e/ša-x°e to pasture, put to graze.
 *x°e -- B -x°e/x°e male.
 *x°e -- B -x°e/-x°e collar, chain, cf. *Pšax°e, *lax°e, etc.
 *x°(a) -- B x°(a)/x°(a) to ripen, grow, increase, become, happen, be (present) (usually x°e, but cf. K xax°a profit, etc.).
 *x°(a) -- B -x°(a)/-x°(a) wrong, cf. *dax°e, *sax°e, etc., T da-wənāx°a to be ruined together with da- sb., K °ag°āx°a clumsy.
 *x°a -- B x°a-ž°e/x°a-ž°e to (ex)change (-ž°e/-ž°e back, again, as previously, re-).
 *x°a -- B x°a/x°a to file, rub, itr. and tr.
 *x°a -- .../x°a to full (cloth), itr. and tr.
 *x°a -- See *(P)x°a.
 *x°ep°h°e -- .../x°ep° to lap up, tr.; large wooden spoon.
 *x°eš°t:e -- T pē-x°eš°tē/... to fly off (as wheel from axle) (pē- tip), T yē-x°eš°tē to jump out (yē- hollow space).
 *x°ep°č°e -- B x°ep°č°e/... to itch.
 *x°eša -- T x°eša/x°eša to quarrel, swear, grumble.
 *x°eša -- T x°eša/... to prance (of horse).
 *x°eč°h°a -- T x°eš°a/x°eša mass, multitude, K also herd.
 *x°e(n)č°a -- B x°eč°a/x°eňša to rob, itr. and tr., T x°eňč°a raid.

- *x°ə́la -- B q:-ya-x°ə́la/q'-ay-x°ə́la to succeed, come off, T to happen to sb. (*q:- hither).
- *x°əpǣa -- T x°əbǣa/... (cattle) for breeding.
- *x°əpǣ:e -- B x°əpǣ:e/... weaving loom; form or frame for modelling (clothes).
- *x°əpǣxa -- B x°əpǣxa/x°əpǣxa talented, having aptitude.
- *x°əma -- B x°əma/x°əma to protect, save, spare.
- *x°əne -- .../x°ən meadow grass.
- *x°ən(a) -- B x°əna T x°əne/x°ən moth.
- *x°at^ha -- B x°at^ha/... ravine, gully.
- *x°at:ə -- B x°at:ə/... blizzard.
- *x°aps(a) -- B x°āpsa/x°āpsa, ya-x°aps to desire, fall in love with, be keen on, envy, itr.
- *x°(a)kē -- T x°āč'ə/tay-x°ək to rub, damage by rubbing (tay- surface), K pxere-y-x°ək to be worn into holes (pxe-re- through).
- *x°akē -- B za-x°āč'ə/za-x°āk to (ex)change (za- reflexive-reciprocal).
- *x°apskē -- T qa-x°ap(s)č'ə/x°apsk to flash (of lightning), K also lightning. (Cf? B pč: 'eč' a lightning).
- *x°aska -- .../x°aska spark.
- *x°ak^oa -- B x°āk^oa/x°āk^oa to pasture, itr.
- *x°ax^o(a) -- .../x°āx^oa to pronounce a toast or congratulation, x°ax^o toast, congratulation.
- *x°aye -- T x°aye/... in abundance.
- *x°awe -- T x°awe/... deep ravine.
- *x°ana -- B x°āna/x°āna, ya-x°an to curse, use expletives (to), T x°ane/x°an expletive.
- *x°are -- .../x°ar parable.

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|-------------------------|-------------------------------------|------------------------|---|
| *bex°e | <u>wide (clothes, opening)</u> | *nax°e | <u>wide (mesh)/big-eyed</u> |
| *dax°e | T <u>to make a wrong choice</u> | *p ^h erx°a | K <u>corridor, porch</u> |
| *sax°e | <u>spoiled (as child)</u> | * ^l tax°(a) | <u>to scratch</u> |
| *Pšax°e | <u>chain/collar</u> | *Psex°a | <u>riverbed, channel</u> |
| *č ^h ex°e | <u>gelding</u> | *č ^h ax°a | <u>to creep, slide</u> |
| *č:a ^o x°e | <u>to run the wrong way</u> | *č ^h (a)x°a | <u>herdsman of horses</u> |
| *žar)x°e | <u>chatterbox/coarse, boor</u> | *Pč ^h ax°a | <u>sand</u> |
| *lax°e | <u>fetters</u> | *lax°(a) | <u>to look for</u> |
| *lax°e | <u>trot</u> | *k: ^o ax°a | <u>pitchfork</u> |
| *Plax°e | T <u>to get wrong information</u> | *q ^l ax°a | <u>herdsman of cattle</u> |
| *g ^o e(r)x°e | <u>(mortar for) crushing millet</u> | *Přax°a | <u>rasp</u> |
| *q ^l ax°e | T <u>bracelet</u> | *ğax°a | <u>to pour in</u> |
| *q ^l ax°e | T <u>to make a slip in speaking</u> | *q: ^o ex°a | See *q: ^o e(P)x°a |
| *hax°e | Š <u>fig</u> | *x°ax°(a) | <u>(to pronounce) a toast</u> |
| *wax°e | B <u>to err, miss a target</u> | *ğ ^o ax°a | <u>to howl, roar, holler</u> |
| *mex°e | <u>unripe</u> | *we ^o ax°a | <u>easy to split/to limb (-n^o)</u> |

108. Pǎ°

- *Pǎ°e -- B pǎ°e/pǎ°e daughter.
 *Pǎ°(a) -- B pǎ°a/pǎ°a to grasp, snatch, itr., K pǎ-pǎ° to cut off or take away quickly, tr. (pǎ- tip).
 *(P)ǎ°a -- B t^hya-ǎ°a/tay-pǎ°a to cover, B t^hya-(p)ǎ°a/tay-pǎ°a cover (table-cloth, etc.).
 *(P)ǎ°amba -- T ʔa-, ʎa-ǎ°amba/ʔa-, ʎa-pǎ°amba finger, toe (ʔa hand, ʎa foot).
 *Pǎ°at^h(a) -- B pǎ°āt^ha/pǎ°āta to grasp, seize, tr., K xa-pǎ°at id. out of a mass xa-.
 *Pǎ°ant^ha -- B pǎ°ānt^ha/pǎ°ānta trunk, chest.

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|--|--|
| *ʔaPǎ°e T <u>girl in rel. to wet-nurse</u> | *ǎaPǎ°a K <u>haystack</u> |
| *Pš:°ePǎ°e <u>husband's sister</u> | *q:°e(P)ǎ°a <u>curtain</u> |
| *č ^h ePǎ°e <u>sister</u> | *wePǎ°e T <u>to touch up, rectify, to cut (hair)</u> |
| *p ^h ePǎ°a K <u>haystack</u> | |

109. Tǎ°

- *Tǎ°e -- B tǎ°e/tǎ°e butter, B š^h'e-tǎ°e/še-tǎ°e to praise, flatter, itr. (*š^h'e- general deixis).
 *Tǎ°(a) -- B tǎ°(a)/tǎ°(a) to dig, scrape asunder, rake, (in)tr.
 *Tǎ°(a) -- .../tǎ°e to grow grey (of hair), B tǎ°a/tǎ°a to grow grey (of hair), dun (color of horse)/grey (of horse).
 *Tǎ°a -- T da-tǎ°a/tǎ°a to quickly stick one's hand into stg. (box, etc.)/to sidle, rush from side to side, gallop.
 *Tǎ°e^r/mba -- T tǎ°erba/tǎ°erēmba foam.
 *Tǎ°e(n)č'(a) -- B tǎ°eč'a/tǎ°eňš' to scrape, plane.
 *Tǎ°e^la -- B tǎ°e^la/tǎ°e^la butter-dish.
 *weTǎ°eTǎ°e -- Š wetǎ°e^tǎ°e/... to beat (as eggs, cream).
 *Tǎ°eye -- .../tǎ°ey (bot.) polygonum convolvulus.
 *Tǎ°ap^le -- T tǎ°ap^le/... red-haired.
 *weTǎ°aya -- Š wetǎ°āya/... to get covered with mould.

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|--|--|
| *seTǎ°e K <u>hoar-frost</u> | *ʎanTǎ°(a) <u>filament, combing/pole with branches</u> |
| *weTǎ°eTǎ°e Š <u>to beat (eggs, cream)</u> | *weTǎ°a <u>to become turbid, muddy</u> |
| *čanTǎ°a <u>to scrape/to slide</u> | |

110. Šǎ°

- *Šǎ°e -- B šǎ°e/... burdock.
 *Šǎ°a -- T šā-šǎ°a/... to temper, harden.
 *Šǎ°a -- B šǎ°a/šǎ°a sorcery, T mischief.

- *šx°a -- B šx°a/šx°a grey, grey-blue.
 *šx°eñ(a) -- B šx°āne T šx°ēna/šx°ēñ sorcery/poison.
 *šx°a(n)t(a) -- B šx°ānta Š šx°āta/šx°ānta (electric) blue, also "blue from cold", Š green, K we-šx°ant to become blue.
 *šx°are -- T šx°are/... alarm, pursuit, chase (with a posse). Cf. *Pšare.

- | | |
|-------------------------------------|--|
| *z°a(š)x°e (to commit) an oversight | *x°ešx°a <u>medicine, curative</u> |
| *q°ašx°e K <u>raving, delirium</u> | *q:ašx°a <u>sky-blue</u> , T also <u>green</u> |
| *wašx°e K <u>to misfire</u> | *pšašx°a <u>hawk/steppe eagle</u> |
| *pcašx°a <u>swallow (zool.)</u> | *q°ešx°a B <u>termagant, shrew</u> |
| *g°erešx°a <u>suspicion</u> | *wašx°a K <u>blue sky</u> |

lll. ġ°

- *ġ°e -- B ġ°e/ġ°e to dry out, itr.
 *ġ°e -- B ġ°e/ġ°e to gnaw, tr.
 *ġ°e -- T fa-ġ°e/x°a-ġ°e to remain unpunished (*x°a- for sb.).
 *ġ°e -- B -ġ°e/-ġ°e companion, partner, *ġ°ena-ġ°e neighbor, etc.
 *ġ°(a) -- .../ša-ġ°e to pity, itr. (ša- because of, subject g°e the heart),
 T č'a-ġ°a-ž'e/š-ay-ġ°a-ž to change one's mind (about doing stg.),
 K also to regret (-ž'e/-ž back, as previously).
 *ġ°a -- B ġ°a/ġ°a burrow, den, hole.
 *ġ°a -- B ye-ġ°a/ye-ġ°a time, term, season (ye- 3rd pers. possessive);
 also suffix for abstracta (besides -ġa).
 *ġ°a -- B ġ°a/ġ°a reddish, brown, yellow, sorrel (of horse).
 *ġ°a -- Š ġ°a/... mistletoe (T yāġ°a).
 *ġ°a -- .../ġ°a to bleat.
 *ġ°e(n)d(a) -- B ġ°ende T ġ°e(n)d(a)/ġ°ed(a) gadfly.
 *ġ°erc^ha -- B ġ°erc^ha/... brushwood, shrubbery.
 *ġ°esa -- B ġ°esa/ġ°esa companion, fellow-traveler.
 *ġ°eš(a) -- B ġ°eše/ġ°eš to dry out, itr., T ġ°eša/ġ°eša dry.
 *ġ°erže -- B ġ°erže T ġ°ereže/... roof-tiles, Š zinc roofing.
 *ġ°ePž'e -- B ġ°ebž'e/ġ°ebž Tuesday.
 *ġ°eč'a -- T ġ°eč'a/ġ°eša to dry out, itr.
 *ġ°ePč:a -- B ġ°epč:a/ġ°ebža sickle.
 *ġ°ePč:a -- B šnā-n-ġ°epč:a/šna-ġ°ebža window (*šha head).
 *ġ°eč'e -- B ġ°eč'e/ġ°eš iron.
 *ġ°e(P)š:e -- See *(P)ġ°e(P)š:e.
 *ġ°ePš:a -- B šh'e-ġ°epš:a/še-ġ°epša to be forgotten (*šh'e- general deixis, refers to person forgetting).
 *ġ°e(I/n)ga -- B ġ°enġ'a Š ġ°erga/ġ°ega mirror.
 *ġ°e(r)ke -- T ġ°erc'e ŠM ġ°eke/... severe frost.

- *ǵ°əka -- B ǵ°eč'a/ǵ°əka blacksmith.
- *ǵ°eTña -- B ǵ°eTña/ǵ°eTña to relieve oneself, esp. to urinate.
- *ǵ°eme -- B ǵ°eme/ǵ°em thick (of cylindrical objects), T also pregnant.
- *ǵ°ena -- B ǵ°ena/ǵ°ena edge, border.
- *ǵ°apḥa -- B ǵ°āpḥa/ǵ°āpa sleeve.
- *ǵ°(a)^r/mbe -- T ǵ°erbe/ǵ°amb burrow, hole.
- *ǵ°atḥ(a) -- B ǵ°atḥe/ǵ°at to find, T pe-ǵ°ata-n id. on stg. (pe-tip).
- *ǵ°atḥa -- See *Pǵ°atḥa.
- *ǵ°aṭa -- .../ǵ°āṭa dark-reddish.
- *ǵ°aPc:a -- T ǵ°āpca/... to harden, form a crust (as dough).
- *ǵ°aʒe -- T pe-ǵ°aʒe/... to answer.
- *ǵ°aPse -- T ǵ°apse/... ichor, pus.
- *ǵ°aze -- B ǵ°aze/ǵ°az steam, light fog, haze.
- *ǵ°aza -- B ǵ°āza/ǵ°āza to be oriented, informed/leader, guide, target, point of orientation, sight (on gun).
- *ǵ°aza -- T ǵ°āza/... to dry out slightly.
- *ǵ°aʒ°e -- T ǵ°aʒ°e/... saline soil; dust-colored, dusty.
- *ǵ°aʒ°(a) -- B -ǵ°aʒ°e/-ǵ°āfa easy. Cf. *ǵ°aya.
- *ǵ°ačḥ°e -- T pe-ǵ°aš°e/... to bring, lead stg. or sb. to meet sb. Cf. *čḥ°(a) to take, bring, lead.
- *ǵ°aPč:°a -- B ǵ°āpč:°a/ǵ°ābža brownish, yellowish.
- *ǵ°aš:°a -- B ǵ°āš:°a/ǵ°āša to lose one's way.
- *ǵ°až°e -- B ǵ°až°e/ǵ°az yellow.
- *ǵ°aλe -- B ǵ°aλe/ǵ°aλ to lie down.
- *ǵ°aPλ(a) -- B ǵ°apλe/ǵ°apλ copper-red, B ǵ°āpλa/ǵ°āpλa red copper.
- *ǵ°a(n)la -- B ǵ°āla T ǵ°ānla/ǵ°āla to wither (of plants).
- *ǵ°amela -- T ǵ°amela/ǵ°amela food taken along on trip (-m- poss. syllabi-fied connective, cf. *Pʒ°ameʒ°e, *lameʒ°e).
- *ǵ°axe -- T pe-ǵ°axe/... to take stg. to meet sb., in sb.'s direction.
- *ǵ°aʒxa -- B ǵ°āʒk:a/ǵ°āʒxa to chew (as ruminant, or person chewing gum).
- *ǵ°a(r)ǵe -- T ǵ°a(r)ǵe/ǵ°aǵ to roar (as lion), to howl, weep loudly.
- *ǵ°ag°e -- B ǵ°ag°e, ǵ°ag°e/ǵ°ag° road.
- *ǵ°ak°a -- T ǵ°āk°a/... to lose its way, go astray (of cattle), T ǵ°arek°a animal gone astray.
- *ǵ°a(n)Tk°a -- T ǵ°ā(n)tk°a/... drop (of water, etc.).
- *ǵ°ax°e -- T ǵ°afe/... zinc.
- *ǵ°ač°a -- B ǵ°āč°a/ǵ°āč°a to howl, roar, holler, B also to speak loud.
- *ǵ°aǵ°a -- B ǵ°āǵ°a/ǵ°āǵ°a to thunder, roar (as guns).
- *ǵ°aLḥa -- T ǵ°āLḥa/... to brood, sit on eggs.
- *ǵ°aLḥa -- T pe-ǵ°āLḥa/... to follow; to catch hold of.
- *ǵ°(a)ye -- B ǵ°eye T ǵ°(a)ye/ǵ°ay thicket, cf. T ʒḥā-re-ǵ°e id.
- *weǵ°aye -- T weǵ°aye/weǵ°ay to collect, bring together.

- *ǵ°aya -- B -ǵ°āya/-ǵ°ay difficult. Cf. ǵ°aǵ°a.
 *ǵ°awə -- B ǵ°awə/ǵ°aw town-crier.
 *ǵ°ama -- T ǵ°āma/ǵ°āma smell/foul, filth.
 *ǵ°anə -- T ǵ°anə/... rotten wood (used for smoking out bees).
 *ǵ°an(a) -- B ǵ°āna/ǵ°āna hole, wəǵ°anə/wəǵ°an to make a hole in stg., tr.

- | | | | | |
|-----------|---|--|------------|---|
| *bəǵ°ə | T | <u>pedigreed bull</u> | *daǵ°a | <u>defect, shortcoming</u> |
| *c:aǵ°ə | | <u>to gnaw</u> | *tə(r)ǵ°a | <u>to soften, ripen</u> |
| *'caǵ°ə | T | <u>weak, frail</u> | *c:əǵ°a | <u>mouse</u> |
| *čh'əǵ°ə | | <u>salt</u> | *Pseǵ°a | <u>thin (cylindrical)</u> |
| *Pč:'aǵ°ə | | <u>stake, pole</u> | *səǵ°a | <u>to wear mourning</u> |
| *žaǵ°ə | | <u>chin/base of lower jaw</u> | *šaǵ°a | <u>important, interesting, rare; astonished</u> |
| *žaǵ°ə | | <u>foot of mountain</u> | *s°əǵ°a | <u>(to) envy</u> |
| *l(a)rǵ°ə | | <u>callosity, corn</u> | *s°aǵ°a | <u>pale</u> |
| *laǵ°ə | B | <u>person of the same age</u> | *z°aǵ°a | <u>star</u> |
| *Plaǵ°ə | | <u>shoulder-blade</u> | *z°'aǵ°a | <u>odious, unpleasant</u> |
| *ǵ°əǵ°ə | | <u>story, account, report</u> | *Pčh'aǵ°a | <u>mist, haze</u> |
| *ǵ°əǵ°ə | | <u>difficulty/difficult</u> | *č:aǵ°a | T <u>to settle (of turbid fluid)</u> |
| *Pšamǵ°ə | | See *PšamPǵ°ə | *laǵ°(a) | <u>to see</u> |
| *ǵaǵ°ə | | <u>to have mercy</u> | *laǵ°a | <u>path, track, trail</u> |
| *q:°aǵ°ə | B | <u>corner</u> | *ləǵ°a | <u>to be singed</u> |
| *q:°aǵ°ə | | <u>skinny, lean</u> | *Plaǵ°a | <u>dragon, K also crocodile</u> |
| *Thaǵ°ə | | <u>(ear)ring</u> | *(P)kaǵ°a | <u>soot</u> |
| *haǵ°ə | S | <u>treebark basket</u> | *kh°əǵ°(a) | <u>yolk</u> |
| *yaǵ°ə | | <u>nasty, malevolent, enemy</u> | *Pq:əǵ°a | <u>thing, object</u> |
| *waǵ°ə | | <u>drought</u> | *q°aǵ°a | <u>nearby</u> |
| *naǵ°ə | T | <u>crop of bird</u> | *q°əǵ°a | <u>smoke</u> |
| *baǵ°a | | <u>to be(come) rich (harvest)/
to multiply, itr.</u> | *ǵ°aǵ°a | <u>to thunder, roar (as guns)</u> |
| *t:əǵ°(a) | | <u>to steal; thief</u> | *yaǵ°a | T <u>mistletoe</u> |
| *daǵ°(a) | | <u>good</u> | *məǵ°a | <u>poor, unfortunate</u> |

112. Pǵ°

- *Pǵ°ə -- B bǵ°ə/bǵ°ə side, edge (of anything).
 *Pǵ°(a) -- B bǵ°(a)/bǵ°(a) nine (times).
 *Pǵ°a -- B bǵ°a/bǵ°a broad.
 *Pǵ°a -- B bǵ°a/bǵ°a sheep's carcass.
 *Pǵ°əs(a) -- T bǵ°əsə S bǵ°əsa/... large sheepskin blanket, S also felt foundation in cradle.
 *Pǵ°əza, -ʒa -- B bǵ°əza, bǵ°əʒa/bǵ°əza narrow, tight.

- *Pǵ°enǰ´e -- T bǵ°enǰ´-aw/bǵ°enǰ inclined, bent, crooked.
 *(P)ǵ°e(P)š:e -- B bǵ°eš:e/ǵ°eṣ millet-straw.
 *Pǵ°enla -- .../bǵ°enla to tilt, list, itr.
 *Pǵ°aǰ´e -- Š bǵ°aǰ´e/... steppe.

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|---------------|------------------------------------|-----------|---------------|
| *ǵaPǵ°e | T <u>piece (of cloth, leather)</u> | *haPǵ°a | K <u>nest</u> |
| *Pǵa(m)(P)ǵ°e | <u>board, plank</u> | *nePǵ°(a) | <u>quail</u> |
| *wePǵ°e | <u>to spread, tr.</u> | *naPǵ°a | B <u>nest</u> |
| *ǵ°ePǵ°a | <u>field, steppe</u> | | |

113. ħ

- *ħ(a) -- B ħe/ħe to carry (off), tr., B ye-ħa/ye-ħa to carry into, tr.
 *ħa -- B ħa/ħa to go (only w. local prefixes).
 *ħa -- B ħa/ħa barley.
 *ħa -- B ħa/ħa dog.
 *ħeǰ´a -- B ya-ħeǰ´a/... to yearn, pine for.
 *ħeła -- T ħeła/... difficult.
 *ħada -- B ħāda/ħada corpse.
 *ħancħa -- B ħāncħa/ħanca wooden spade.
 *ħac:a -- .../ħaǰa grain (of corn, sand), cf. T pšax°āca grain of sand (pšax°a sand).
 *ħasa -- B ħāsa/ħasa bed (in garden), plot.
 *ħaPse -- T ħāpse/ħaps pit for keeping prisoners, T also prison (Tu hapis).
 *ħarza -- T ħārza/... swan; breaker (wave).
 *ħarza -- T ħārza/... to soar, hover. Cf. *x°arza.
 *ħa(n)ǰ°a -- B ħānǰ°a/ħava square stack, rick of hay, straw (cf. *šħa(n)ge).
 *ħaṣ°a -- B ħāṣ°a/ħafa rubber.
 *ħaǰ°e -- T ħāǰ°e/ħav puppy.
 *ħaǰ´(a) -- B ħāǰ´(a)/ħaǰ(a) to grind, (in)tr.
 *ħač´a -- B ħāč´a/ħaṣa guest.
 *ħaPš:´a -- B ħāpš:´a/... to pant, breathe heavily.
 *ħ(a)ła -- B ħeła/ħala burden, heavy, difficult.
 *ħaPle -- B ħāple/... brown.
 *ħal(a) -- B ħāle/ħala wedge.
 *ħaPla -- B ħābla/ħabla quarter of village (Tu havālī).
 *ħaka -- .../ħaka hiccup.
 *ħa^m/Pka -- T ħāpč´a/ħamka gallop (Š ħāpska).
 *ħaš´xe -- T da-ħāš´xe/də-ħašx to laugh at sb., itr./to laugh.
 *ħakh°e -- B ħākħ°e/ħak° fireplace, oven.
 *ħak°a -- .../ħak°a honeycombs with honey.

- *hax^oe -- B hāfē/hax^o object borrowed, K also to win (as money), S collective aid.
- *haq:ə -- B hāq:ə/hāq^o duty, obligation, T also truth, fate (Tu hak).
- *haq^ho a -- T hāq^oāš^oa/hāq^oāfa water-trough for cattle/trough (analysis uncertain; may contain *q^ho aš^oa, but cf. also š^o(a) to drink).
- *haq:°(a) -- T hāq^oe/K dial. hāq^oa to bark/to make noise.
- *hāq^oe -- T hā^oe/... mushroom.
- *hawa -- B hāw/hawa no.
- *ham(a) -- B hāma/ham threshing-floor.
- *hara -- T hāra/hara buffalo (cf? Georg. xari ox or Tu hāra stud).

(In units CVhV the vowel-correspondences show peculiarities. In K, Cə- and Ca- are not distinguished before h, and only Cə is written. Frequently B Cāhə corresponds to T Cəhā, and each of these is considered evidence for final -hā. Except in *lañā, based on S evidence only, all initial segments are given as Cə-).

*Txəñe	K <u>threading of screw</u>	*Pžəñā	<u>autumn, S winter</u>
*p ^h əñā	<u>to cry, howl, sob</u>	*lañā	S <u>rivulet</u>
*c:əñ(a)	<u>faith, confidence</u>	*gəñā	<u>to weed with a hoe</u>
*Pseñ(a)	<u>to temper (metals)</u>	*kəñ(a)	<u>long</u>
*səñ(a)	<u>deer</u>	*g ^o e(r)ñ(a)	<u>pleasant, tasty</u>
*č ^h ’əñ(a)	<u>to provoke sb.</u>	*q ^o əñā	<u>part, share</u>
*č ^h ’əñā	<u>to roll, wind, wrap</u>	*q ^h o’əñā	<u>boat, ship</u>
*č’əñ(a)	<u>esteem, honor, authority</u>	*šx ^o ’əñ(a)	<u>sorcery/poison</u>
*Pč’əñ(a)	<u>dream</u>		

114. Tñ

- *Tñā -- B tñā/tñā God, deity.
- *Tñā -- B tñā/tñā ear, cf. *Tñāž^oe, *Tñak^ho a, etc.
- *Tñā(m)p^ha -- B thāp^ha/tñā(m)pa leaf of tree, also in T thāpa-fē grey-bearded (-fē white), K la-tñā(m)pa front part of foot la.
- *Tñ(a)(m)be -- B thābe-lē S tñebe, thābe/thāmbē-l lungs (lē flesh).
- *TñāPz(a) -- B thābza/thābza token, mark, K ʔ^oax^o-tñābza service (ʔ^oax^o business, affair), K wethābz to mark animals by cutting a piece off the ear.
- *Tñāç:°e -- B thāç:°e/thāv dough made of wheat-flour.
- *Tñāč’(a) -- B thāč’(a)/thāš to wash, (in)tr.
- *Tñāla -- B thāla/thāla to stifle, smother.
- *weTñāga -- .../wethāga to entreat, make complaints (cf. T thāwēsēx complaint).
- *Tñāka -- .../thāka brim of hat.
- *Tñak^ho a -- B thāk^ho a/... with short, flapping ears (of horse), cf. B thā-k^omāk^ho a with short ears.

- *Tḥak°e -- B tḥāk°e-ma/tḥāk°e-ma ear (for -ma cf? *t:ama wing).
 *Tḥax°e -- .../tḥax° dark-colored cattle or sheep with white ears.
 *Tḥaq:°e -- T tḥāq°e-fa/tḥāq° to steal/to confiscate, abduct (T -fa = ?).
 *Tḥarq:°a -- T tḥārq°a/tḥāreq°a pigeon, dove.
 *Tḥāq°e -- T tḥā°e/... boot-top.

- *Pc:a(n)Tḥa joiner's glue shoulder w. leg (of animal)
 *ḡ°eTḥa to relieve oneself, urinate
 *PlaTḥa K collarbone, shoulder-blade, *PsaTḥa K a heathen god

115. Ṣḥ

- *Ṣḥa -- B ṣḥa/ṣḥa head, bulb, ear of corn, top, roof, beginning, etc.
 *Ṣḥapḥa -- See PṢḥapḥa.
 *Ṣḥantḥa -- B ṣḥāntḥa/ṣḥanta pillow, cushion.
 *Ṣḥanda -- B ṣḥānda/... bush, shrub.
 *Ṣḥata -- T ṣḥāta-bḡ°a/... with broad bḡ°a forehead. Cf. *nata.
 *Ṣḥacḥe -- B ṣḥācḥe/ṣḥac head-hair.
 *Ṣḥapca -- T ṣḥāpca Ṣ ṣḥāpṣa/... bare-headed.
 *Ṣḥapse -- .../ṣḥaps light-headed, giddy.
 *Ṣḥaza -- T ṣḥāza/ṣḥaza "die Drehkrankheit der Schafe" (Russ. vertjačka).
 *Ṣḥašḥ'a -- B ṣḥāšḥ'a/ṣḥaṣa bow, greeting.
 *Ṣḥale -- B ṣḥāle/ṣḥal mill, T ca-ṣḥāle/ʒa-ṣḥal molar (*c:a tooth).
 *Ṣḥaxe -- B ṣḥāxe/ṣḥax laziness, slowness, indolence.
 *Ṣḥak°a -- B ṣḥāk°a/ṣḥak°a offense taken, touchiness.
 *Ṣḥax°(a) -- B ṣḥāfe/ṣḥax°a separate.
 *Ṣḥaq:a -- T ṣḥāqa/... stupid. Cf. *q:(a).
 *Ṣḥāq°e -- T ṣḥā°e/ṣḥa° top edge/front part of bride's headdress, T pca-ṣḥā°e/bza-ṣḥa° threshold.

- *zaṢḥe alike, similar *x°eṢḥa K to yawn
 *pḥaṢḥa in presence of, K also place of honor away from door *q:°eṢḥa mountain, K also Ossetian, Balkar
 *PlaṢḥa K part of room opposite door *q°eṢḥa poppy
 *PḡeṢḥa mountain-top, upper edge *q°aṢḥa barrow/hill

116. Lḥ

- *Lḥa -- B lḥa/λḥa to lay, put, tr. (only w. local prefixes).

- *ḡ°aLḥa T to brood, sit on eggs *ḡ°aLḥa T to follow, catch hold of

117. h

- *ha -- B ā-r/ha-r that (ille) (-r absolute case).
 *haba -- T āba/haba chasuble-type garment.
 *hat:a -- B y-āt:a/hada father (y- 3rd pers. possessive). Cf. *t:(a).
 *hada -- T āda/... tumor, swelling.
 *haPse -- T āpse/... wooden bowl.
 *haš^oa -- B āš^oa/hafa coat of mail.
 *hač:a -- B āč:a/haža he-goat.
 *haPla -- Š ābla/... a kind of wheat.
 *haPk:ə -- B āpč:’ə/habg glass, window-pane (Oss. avg(æ)).
 *haPğa -- Š ābğa/... divan, couch.
 *haġ^oe -- Š āġ^oe/... fig.
 *hağ^oe -- Š āğ^oe/... treebark basket.
 *haPğ^oa -- .../habğ^oa nest (B nābğ^oa).
 *hawa -- āwa/hawa but (poss. modal case of *ha).
 *hana -- B y-āna/hana mother (y- 3rd pers. possessive). Cf. *n(a).

118. y

- *ye -- .../ye file (implement).
 *y(a) -- B y(a)/y(a) eight (times).
 *y(a) -- B y(a)/y(a) to coat (the walls of a house), (in)tr.
 *ya -- B ya/ya bad, evil; as a suffix w. animal names dung, manure.
 *ya -- B fā-ya/x^o-ay to wish, itr. (*x^oa- for).
 *yene -- B yene/yen big, large.
 *yeze -- T yeze/yez antiquity; ancient.
 *yath^ha -- T yāta/yāta to rage (of storm), swell (of wound)/to let oneself go, become insolent.
 *yāta -- B yāta/yāta clay, earth, K also mud.
 *yanč^e -- .../yanč long pole, lever.
 *yase -- T yase/yas manly/tall and well-built (person).
 *yaPze -- B yabze/yabz stable manure/slops, swill from stable manure.
 *yaž’^a -- B yāž’^a/yāža ashes.
 *yaPğa -- B yābğa/yābğa fierce, nasty (as dog), K also brave.
 *yağa -- B yāğa/yāğa eruption, rash, pimple/fault, cause (of stg. bad).
 *yaq^h^oe -- B yaq^h^oe/yaq^o cud/entrails.
 *yağ^oe -- B yağ^oe/yağ^o nasty, malevolent; enemy.
 *yağ^oa -- T yāğ^oa/... mistletoe.
 *yaya -- T yāya/yāya very fat (e.g. cow), K also round, cylindrical.
 *yane -- .../yan whole (e.g. day).

*p:eye		<u>enemy</u>	*žeya		<u>to stand apart, avoid stg.</u> (*zə-šh'ə-)
*baye		<u>rich</u>	*Pčeya (-ye?)	T	<u>ore</u>
*b'eye		<u>to stick out, be visible</u>	*wəsay(a)		<u>to lean</u>
*dəye		<u>to cool off, harden, grow numb</u>	*zəya		<u>to lift up, turn face up</u> (*da-š'a-)
*daye	B	<u>bad</u>	*Pzay(a)		<u>to lick</u>
*t'aye	Š	<u>damp</u>	*wəšəy(a)		<u>to admonish, exhort</u>
*c:aye		<u>mate, partner</u>	*šaya	Š	<u>squirrel</u>
*Pč'eye (-ya?)	T	<u>ore</u>	*žəya		<u>small</u>
*saye		<u>to be filled up (as ditch)</u>	*š°ey(a)		<u>to whistle</u>
*Pšaye		<u>black maple/spruce, fir</u>	*š°aya	B	<u>rat</u>
*l'zəye		<u>(light)ray</u>	*č:əya		<u>to sleep</u>
*Pzəye	K	<u>corn-stalk</u>	*ləya		<u>woollen gaiters</u>
*š°əye	T	<u>to squeak, cheep</u>	*ləya		<u>to move in jumps, B also to go to roost</u>
*š°əye		<u>dirty</u>	*ləya		<u>superfluous, harm</u>
*čh'(a)ye		<u>to stick out (as hand)</u>	*k ^h aya		<u>tub</u>
*Pč: 'aye		<u>plane-tree</u>	*gəya	K	<u>smooth (of ice)</u>
*wələye		<u>to rust</u>	*gaya		<u>sheat-fish/whale</u>
*k ^h eye		<u>wattle</u>	*kaya		<u>ash-tree</u>
*k:eye		<u>(inside of) throat</u>	*Pkaya		<u>maple</u>
*k'eye		<u>to shriek, howl</u>	*xəya		<u>innocent</u>
*kaye	T	<u>valley Š stream</u>	*xaya	Š	<u>a measure of millet (144 bundles)</u>
*k ^h °aye		<u>(quarter of) settlement</u>	*šey(a)		<u>to chide</u>
*x°aye		<u>white maple/kind of birch</u>	*šəya		<u>dove-grey</u>
*Tx°aye		<u>beech, hornbeam</u>	*š°əya	T	<u>malicious, mean</u>
*q:aye		<u>to belch, B also hiccup</u>	*š°əya	Š	<u>quantity of grain which fills one mortar or oven</u>
*xəye	K	<u>excitement, fury</u>	*wəq:aya		See *wəq:°aya
*šxəye		See *šgəye	*q°əya		<u>foot-and-mouth disease</u>
*šgəye		<u>small (potatoes, change)</u>	*wəTš°aya	Š	<u>to get covered w. mould</u>
*q:°əye		<u>mangy</u>	*š°əya		<u>difficult</u>
*q'°əye		<u>to bleat</u>	*yaya		<u>very fat (e.g. cow), K also round, cylindrical</u>
*x°əye		<u>in abundance</u>	*waya		<u>bad weather</u>
*Tš°əye		<u>polygonum convolvulus</u>	*məya		<u>wild apple tree</u>
*š°(a)ye		<u>thicket</u>	*məya	K	<u>nutritious, rich (food)</u>
*wəš°əye		<u>to collect, bring together</u>	*naya		<u>spite, anger, malice</u>
*bəya	Š	<u>mole (zool.)</u>			
*t:aya	B	<u>(package of) neatly arranged things</u>			
*t'əya		<u>to stick out, stand on end, be bent upward</u>			
*ch'əya		<u>cherkeska</u>			

119. w

- *we -- B we/wē to put into, insert, thread (a needle), tr. (only w. local prefixes).
- *wē -- T tya-wē/tay-w to stop (of rain), change for the better (of weather), itr. (*^hya- surface, on).
- *w(a) -- B w(a)/w(a) to beat, strike, shoot, sting, attack, itr. (*we only w. local prefixes), B wa/wa to smoothe (a threshing floor), tr.
- *w(a) -- T wa/... to shrink, collapse, itr., T pe-wē/... to diminish, itr. (pe- tip).
- *wa -- B wa/wa to plait (a round galloon of silk), tr.
- *wa -- B wa-ŝ^o/wa hail (meteorol.).
- *wa -- B wa-/wa- weather, air, sky, cf. *wase, *wag^oe, etc.
- *wa -- B wa/wa you, sing.
- *web(a) -- B web(a)/web(a) to trample, pound, crush; to slander, (in)tr.
- *wepa -- B wepa/wēpa to cut open (an animal)/to skin.
- *wetha -- B wetha/weta to trample, to knead clay with the feet.
- *wet:(a) -- B wet:(a)/wed(a) to pound, thresh (sunflower seeds, maize), beat (egg), knead, break off.
- *wet:(a) -- T ya-wete/weda to sow by hand, K xa-weda to strew, pour into (e.g. flour into dough) (xa- mass).
- *wede -- B wede/wed witch.
- *wec:e -- B wec:e/wēŝ grass.
- *wePce -- .../wepc̣ to splash, spatter, tr.
- *weŝ^oca -- Š læ-wēŝ^ota/... bruise (læ blood).
- *wes(a) -- T wese/wes(a) to compose (song), write (story), (in)tr., K we-sa verse, poem.
- *wePs(a) -- B wepse/weps(a) to plane, shave (also shave the face), (in)tr.
- *weze -- B weze/wēz pain, disease.
- *wePza -- T webza/webza to try to ingratiate oneself.
- *weŝe -- T weŝe/wēŝ to trot.
- *weŝa -- T weŝa/... to stuff, fill.
- *weŝ:^o(a) -- B weŝ:^oe/wew to stand (up), to stop, halt, B weŝ:^oa to get tired, B ^hya-wēŝ:^oa/tay-wēva to step on ^hya-.
- *weŝ^oa -- .../wēfa to cover, itr. and tr. Cf. *ŝ^oa hide, etc.
- *weč^h'e -- T qa-wēš^h'e/qa-wēš to wake up (*q:a- hither).
- *wePč^h'(a) -- T wepč^h'a/pe-wepš^h to mow off, cut off (pe- tip), K xa-wepš^ha to make a notch (xa- mass).
- *wePč^h'a -- B wepč^h'a/wepš^ha felt.
- *wež'(a) -- B wež'^he/wēža weasel.
- *wePč^h(a) -- B wepč^ha/wepš^ha, ya-wepš^h to ask.
- *w(a)čē -- B wačē/wēŝ open place at riverbank/to gape, open wide (mouth, hand).
- *weže -- B weže/la-wēž tracks (la foot).

- *wəfla -- B wəbla/wəbla to begin.
- *wəge -- B wəǰ'e/wəg a round dance with singing.
- *wəke -- B wəč'e/wək to kill.
- *wexe -- B wexe/wex to finish.
- *wəlx(a) -- B wetxa/wetx(a) to splash, spatter. (in)tr. Cf. Twəz°entxa/wəbzetxa to spit, itr.
- *wex°a -- T wəfa/zə-wex°a to bend, tr./to bend oneself zə-.
- *wex°a -- .../wex°a to build, tr.
- *wəlx°(a) -- Š xa-wətfə, ya-wətfə/... to thrust, stab, prick, itr. (xa- mass).
- *wəšx°e -- T wəšx°e/... to spread out, tr.
- *wəq:ə -- T wəqe/wəq̄ to open wide, distend, tr.
- *wəqa -- B wə'a/wə'a to wound, tr.
- *wəšg(a) -- B to peel, pearl (barley), (in)tr.
- *wəq^h°a -- B wəq^h°a/wəq°a to break off and fall down/to whirl up, K wəq°a-ž to be scattered all over (-ž again, as previously), B x-ya-wəq^h°a to make a mistake, ŠM wəš°a to cause a defect, foul up, K gə-wəq°a to destroy (e.g. a bird's nest).
- *wəq:°(a) -- T š'ə-wəq°e/šna-wəq°a top part drops down/to doze (the latter in T šna-wəqa). The T form quoted may reflect *wəq^h°a.
- *wəq̄°(a) -- B wə'°(a)/wə'°(a) to peck, (in)tr. (T, K tr. also to sharpen by hammering (as scythe)).
- *wəx°a -- T wəx°a/wəx°a-nš easy to split/to limb, remove branches from, tr.
- *wəpš°e -- T wəpš°e/... to touch up, rectify, to cut (hair).
- *wəTš°a -- T wəTš°a/wəTš°a to become turbid, muddy (of water).
- *wəpšg°e -- B wəbšg°e/wəbšg° to spread, tr.
- *wəma -- T wəma/wəma wooden club for hammering in piles, wedges, etc.
- *wəna -- B wəna/wəna house.
- *wəpska -- .../šə-wəpska to rock, swing, tr. (šə- under).
- *wəSTš°a -- T wəstš°a/... to glow (as coals).
- *wət:a -- B wāt:a/wāda hammer.
- *wədə -- B wadə/wad thin (of person).
- *wase -- B wase/was snow.
- *wasa -- B wāsa/wāsa price.
- *waš°e -- B waš°e/... hail (meteorol.).
- *waš°a -- B wāš°a/wāfa sky, heaven.
- *waš'°e -- B waš'°e/waš' fine weather.
- *waš^h°e -- B waš^h°e/waš axe.
- *wala -- B wāla/... to totter, reel, T wave, to undulate.
- *wala -- .../wāla cloud.
- *waxe -- T waxe/wax lowland, depression (geogr.).
- *waš'xe -- B waš'xe/wašx rain.
- *wag°e -- T wag°e/wag° sky, heaven.
- *wag°e -- B wag°e/wag° freckled, T also grey.

- *warq:e -- T warqə/warq' nobleman.
 *wağa -- B wāğa/wāğa ribbon, lace, galloon, T also to braid, weave.
 *wağa -- T wağa-n/... to churn (butter).
 *waṣ'ə -- T waṣ'ə/... to err, miss a target.
 *waṣṣ'ə -- .../waṣṣ'ə to misfire.
 *waṣṣ'ə -- .../wāṣṣ'ə (blue) sky.
 *wağ'ə -- B wağ'ə/wağ'ə drought.
 *waya -- B wāya/wāya, way bad weather (snow, rain, storm, cold).
 *wame -- .../wam hot weather, stifling.
 *wana -- B wāna/wāna saddle.
 *ware -- T warə/war wave; turbulent.

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|----------|---|----------|--|
| *bewe | to moo | *ḡewe | B <u>grey shrike</u> T <u>jay</u> |
| *t:ewe | <u>storehouse for grain</u> | *ḡ'awe | T <u>deep ravine</u> |
| *tawe | T <u>to bump (one's head)</u> | *ḡ'awe | <u>town crier</u> |
| *c'ewe | <u>to shine, glitter</u> , K also <u>to squeak, cheep</u> | *maw | <u>thither/that (iste)</u> |
| *Pcawe | B <u>to yelp</u> | *baw(a) | <u>to kiss/to breathe</u> |
| *Psawe | <u>to live</u> , K also <u>healthy, whole, all</u> | *dəwa | <u>leech</u> |
| *Pzewe | <u>sparrow, bird (generic)</u> | *dawa | <u>to quarrel, have a lawsuit</u> |
| *zawe | B Russ. <u>xozjain</u> | *zəwa | T <u>sack</u> |
| *s'awe | <u>honey</u> | *Psawa | T <u>to take aim</u> |
| *z'ewe | <u>to buzz, hum</u> | *zawa | <u>war, battle</u> |
| *čh'ewe | <u>to salt</u> | *šawa | <u>youth, esp. bridegroom</u> ,
T also <u>son</u> |
| *Pč'awe | <u>to yelp</u> | *zəwa | Russ. <u>podpevat'</u> |
| *čh'ewe | <u>horseman</u> | *ž'aw(a) | <u>shadow, shade</u> , K also <u>para-</u>
<u>sol, umbrella</u> |
| *lawe | <u>pig</u> | *čh'awa | <u>horse-driver, teamster</u> |
| *welawe | T <u>to get tired</u> | *lawe | <u>scalpel for blood-letting</u> |
| *k'awe | <u>wattle fencing; farmstead</u> | *Pkawa | K <u>grasshopper</u> |
| *S'xewe | <u>sour milk</u> | *Txəwa | <u>to kick (of horse)</u> |
| *k'h'ewe | <u>deep</u> | *g'awa | <u>(to cause) injury</u> |
| *k:əwe | <u>to shout</u> | *ñawa | <u>no</u> |
| *q:əwe | <u>swan</u> | *hawa | <u>but</u> |
| *Pq:awe | <u>pillar, post</u> | *n(a)wa | <u>old woman, granny</u> |

120. m

- *me -- B mē/mē wild apple.
 *me -- B mē-/mē- this (hic).
 *me -- B mē-/mē- negative prefix, cf. *mēḡ'ə, *mēğ'ə, etc.

- *ma -- .../ma there you are! (handing stg.) (B mā).
- *ma -- B ma/ma smell, odor.
- *mes(a) -- B mesa/mesa guilty, culprit, T also foreign, K also dishonest, uneducable, T we-mese/we-mes to unmask, catch in a lie, prove wrong, tr.
- *meša -- B meša/meša bear.
- *mež^oa -- B mež^oa/meva stone.
- *meč^o(a) -- B meča T meče/meša precious stone (set in ring).
- *mele -- B mele/mel ice.
- *meš^ok^oe -- B meš^ok^oe/meš^ok^o acorn. Cf. *mešx^oe.
- *mešx^oe -- ŠM mefe/mešx^oe(m)pa acorn. Cf. *meš^ok^oe.
- *mešt^ha -- B mest^ha Š mes^ha/... ash-tree, Š T elm.
- *meš^oe -- B meš^oe/meš^o unripe.
- *mešt^hx^oe -- T mest^hx^oe/... pitch, refined wax.
- *meš^oa -- B meš^oa/meš^oa poor, unfortunate.
- *meya -- B meya/may wild apple tree.
- *maw -- B maw/maw- thither/that (iste).
- *mat^ha -- B mā^ha/māta basket, beehive.
- *mašt^ha -- B mā^ha/māsta needle.
- *ma(r)t:a -- T māta/mārda quantity, measure.
- *mača -- B māča/māča locust.
- *maze -- B maze/maz forest.
- *maza -- B māza/māza moon, month.
- *maš^oa -- B māš^oa/māfa fire.
- *mač^he -- B maš^he/maš millet (on the field), T maq^o-maš^oe/maq^omaš api-culture, cf. *maq^oe.
- *marž^oa -- T mārž^o/mārža (interjection) let's go!/call (to a group).
- *māč^oa -- B māč^oa/māša (a) little, few.
- *maž^oa -- B māž^oa/māža comb.
- *maš:a -- B māš:a/māša hole, hollow.
- *male -- B male/mal sheep (cf? Tu mal possession).
- *maš^oka -- .../māš^oka spark.
- *max(a) -- B maxe/max to faint, to be tired, worn out, māxa/māxa weak (of things), brittle.
- *mark^ho^a -- B mār^ho^a/mār^oa tapeworm.
- *mark^oa -- T mār^oa/mārā^oa mulberry, blackberry, Š wild strawberry/berries (generic). K ā unexplained.
- *max^oa -- B māfa/māx^oa day.
- *max^oa -- B māfa/māx^oa happy.
- *wemaš^oe -- T wemaš^oe/... to bless, to baptize.
- *maša -- T māša/... sharp pain due to inflammation of nerve.
- *maq^oe -- B maq^oe/maq^o hay.
- *maq^oe -- T ma^oe/ma^o shield.

- *maya -- .../māya nutritious, rich (of food).
 *wemama -- .../wemāma to wag the tail.
 *mana -- B māna/māna penis.

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|-----------------------|-----------------------------------|---------------------|-------------------------------------|
| *č:ʼame | cow | *zama | <u>cakes for funeral repast</u> |
| *Pžeme | T <u>fist</u> | *Pžama | T <u>bunch of hemp for spinning</u> |
| *k ^h ame | K <u>to be insufficient, lack</u> | *x(a)ma | <u>foreign, unknown, stranger</u> |
| *x ^o ame | <u>quiet, slow</u> | *k:°ama | T <u>twig (K -na)</u> |
| *ǵ ^o eme | <u>thick (cylindrical)</u> | *q:ama | <u>dagger</u> |
| *wame | K <u>hot weather, stifling</u> | *q:°ama | S <u>twig</u> |
| *p ^h am(a) | <u>to smell</u> | *x ^o ema | <u>to protect, save, spare</u> |
| *bama | <u>stench</u> | *ǵ ^o ama | <u>smell/foul, filth</u> |
| *t:ama | <u>wing</u> | *ñam(a) | <u>threshing-floor</u> |
| *s(a)ma | <u>ill; left (side)</u> | *wema | <u>wooden club for hammering</u> |
| *sama | <u>heap</u> | *wemama | K <u>to wag the tail</u> |

121. n

- *n(a) -- B nē, yāna/hana mother, B nāna/nāna mamma/grandmother, granny.
 *n(a) -- B q:a-na-n/ǵā-na to remain (*q:a- hither; often with other, local prefixes), B xa-nē/xa-n to miss out on stg., remain without (xa- mass, group).
 *na -- B na/na eye (also of needle).
 *na -- B čʼa-na-n/šā-na to catch fire (*čʼa- lit. under), T xa-ǵa-nā-ǵa lighted (xa- mass, -ǵa past), K pe-ǵā-na to light (pe- tip).
 *na -- B -na/-na suffix of fractional numbers, e.g. *Pʼa-na one fourth.
 *nep^he -- .../nep flag.
 *nēba -- B nēba/nēba belly.
 *nēpča -- S nepša/... intestines.
 *nēsa -- B nēsa/nēsa (father's) brother's wife, daughter-in-law (cf? IE *snusó-, also Tu nisā women).
 *nēč^hʼe -- T nēšʼe/nēš animal killed in honor of guest.
 *nēpžʼe -- B nēžʼe/nēž age, K also shadow (in T nēžʼeq^o).
 *nēg(a) -- B nēžʼe/nēga floodlands, water-meadow, T also sandbar.
 *nexe -- T nexē/... aspen.
 *n(a)šk^oe -- B ǵa-wē-našk^oe/ǵa-nēšk^o to chew.
 *nex^oe -- .../nex^o sheep's rectum.
 *nēq:°a -- B nēq:°a/nēq^oa half; to be in need of.
 *nēPǵ^o(a) -- B nēbǵ^oe/nēbǵ^oa quail.
 *nap^ha -- B nāp^ha/nāpa face.
 *naṗa -- B nāpa/nāpa eyelid.
 *nart^he -- B nārt^he/nārt Nart (mythical hero).

- *nat:ə -- T nate/nad goatskin sack.
- *nade -- T nade/... fine (about mesh).
- *nada -- T nāda/nāda empty, without kernel (as seed, nut).
- *wenate -- .../wenat to direct, level at, tr., to be directed to, itr.
(the T counterpart is fa-weč'enate).
- *naťa -- B nāťa/nāťa forehead.
- *nafc:a -- B nāfc:a/nābža eyebrow.
- *nača -- B nāča, č'a-načē/nāča, ša-nač to wish, desire, hanker for.
- *nařce -- B napce/napč false, deceptive.
- *nařse -- B napse/naps tear(s).
- *naze -- B naze/naz hem, border, edge (of fabrics).
- *naza -- B nāza/nāza squint-eyed, B wenāza/wenāza head spins.
- *naša -- T nāša/... browridges.
- *naže -- T ya-naže/... to be keen on stg.
- *nařša -- B nāřša/nāřša browridges.
- *naš^oe -- B naš^oe/naf blind.
- *wenaš^oa -- T wenāš^oa/wenāfa order, instruction, decree. May contain *wena.
- *naš^oe -- B naš^oe/naf benevolent.
- *nač^h'a -- T nāš'a/nāša squint-eyed.
- *nač^oe -- B nač^oe/naš empty, not having eaten.
- *nač^o'a -- T č'a-nāč^o'a/š'a-nāša to chaff, tease, mock, itr.
- *nača -- B nāča/naša-ša hollow under eyes.
- *naš:a -- B nāš:a/nāša melon/cucumber, B naš:a-bag^oe cucumber.
- *nala -- B nāla/nāla a single (hair)/fibre, filament.
- *nag(a) -- T naž'a-?^oež'a/naga-?^oega misshapen, K bzaga-nāga bad, nasty, evil, K wə-nag to disfigure.
- *naka -- T nāč'a/nāka wink/outer corner of eye.
- *naxa -- Š nāxa/... face.
- *na(r)Fg(a) -- Š nabgē/narebga person (T nabgēra).
- *nag^oe -- B nag^oe/nag^o face.
- *nak^oe -- B nak^oe/nak^o face/cheek; mountainside.
- *nax^oe -- B nafe/nax^o light, clear.
- *nax^oa -- B nāfa/nāx^oa definite, clear, obvious.
- *naq:ə -- Š naq:ə/... to flower, bloom.
- *nařq:ə -- B napq:ə/napq^o cheekbone; riverbank.
- *nařa -- T nāř'a/nař'a attention, care.
- *našxē -- B našxē-ya/našx sad/(stern, angry) glance, K našx-ay sad, našxē-
fa gay. Cf. *našgē.
- *nařga -- B nābga/nābga nearsighted.
- *našgē -- T nažgē/nažg eye-socket, T also glance, K also temple. Cf. *našxē.
- *nař^oe -- B nař^oe/nař^o face.
- *nař^oa -- B nāř^oa/nāř^oa well-known, distinguished, T also to give oneself
airs, K also clear-cut, distinct.

- *naǰ°e -- T naǰ°e/naǰ° wide (of mesh)/big-eyed.
 *naǰ°e -- T naǰ°e/... crop of bird.
 *naPǰ°a -- B naǰ°a/... nest (K habǰ°a).
 *naya -- B nāya/nay spite, anger, malice.
 *n(a)wa -- B nēwa/nawa-ǰ old woman, granny (-ǰ old).

- | | | | |
|---------------------|---|------------|--|
| *bene | (children of) family | *ǰ°ana | hoe |
| *bane | coffin, T grave | *ǰh°ena | to be afraid |
| *ǰh°ene | pus, abscess, boil | *Pǰh°en(a) | to compensate, pay a debt |
| *č:°ane | sharp (as knife), lively | *Pǰh°ena | accordion |
| *Pč:°ane | she-goat | *š:ena | B moist |
| *Pǰ°ene | onion | *λena | birds' fat |
| *š:ane | character/manners | *λana | oath (*Tħa-) |
| *Plene | wall, corner | *Plana | doe |
| *k ^h ene | top (toy for spinning) | *Plana | energetic, brave/strong |
| *kane | bone used for game | *gana | shirt |
| *ǰene | (gun)powder, K also poison | *kane | K piece, lump |
| *ǰene | beet, parsnip | *xena | lazy (Šħa-) |
| *k:°ane | covered wattle granary | *Pǰena | to leave, desert |
| *wex°ane | K to plait, braid | *Pǰena | sheaf/tie around sheaf |
| *q:ane | ward, pupil | *k:°ana | See *k:°ama |
| *q:°ane | wood betony | *Sk°ena | T noose |
| *Pq°ane | T scale of fish | *Pq:ena | (dye made of) henna |
| *ǰ°ene | K meadow grass | *qana | small 3-legged table |
| *ǰ°ane | T rotten wood (used for smoking out bees) | *Pǰana | T square on chessboard |
| *yene | big | *ǰana | K what is mowed off with one sweep of the scythe |
| *yane | K whole (e.g. day) | *q°ena | nail |
| *p:ana | prickle, thorn(bush), T also splinter | *Tq°ana | one wife in relation to other |
| *ban(a) | to fight | *ǰ°en(a) | moth |
| *bana | to bark | *ǰ°an(a) | to curse, use expletives |
| *pēna | small kerchief | *ǰ°ena | edge, border |
| *dana | silk | *ǰ°an(a) | hole |
| *čēn(a) | moist, unripe, uncooked | *hana | mother |
| *Pčan(a) | naked | *wēna | house |
| *sēn(a) | (stone) idol, statue | *wana | saddle |
| *sana | grape | *mana | penis |
| *Psēna | well/spring | | |
| *šēna | lamb | | |
| *Pžana | finger-, toe-nail | | |

122. r

*St:ərə	T <u>hot, bitter, sharp (taste)</u>	*ř°are	K <u>parable</u>
*š°t:ərə	T <u>to kick</u>	*šř°are	T <u>alarm, pursuit, chase</u>
*čh'ərə	<u>young of animal or bird</u>	*ware	<u>wave; turbulent</u>
*Pčh'arə	<u>fatty layer, fat</u>	*řara	T <u>to sport, gambol (horse)</u>
*č:ərə	<u>steel</u>	*sar(a)	K <u>bitter (taste), beer</u>
*ləre	<u>strip of skin, T also belt</u> (*š°a-)	*səra	<u>cupboard</u>
*kərə	<u>thick, dense, long (hair),</u> <u>high (grass)</u>	*g°ar(a)	<u>a certain, some</u>
*Pxərə	<u>sheaf, bundle</u>	*x°ara	<u>thoroughbred horse</u>
*q:ərə	<u>stony land, rock</u>	*q:ara	<u>black</u>
*xare	<u>grating, K also lace</u>	*šřara	K <u>north</u>
*Přare	<u>alarm, pursuit, chase</u>	*q:°əra	B <u>dry stalks or grass/rough</u> <u>(as hides)</u>
*ğare	<u>prisoner</u>	*řara	<u>buffalo</u>

123. Pš'th

*Pš'th(a) -- B pš'tha/pšte to boil (of milk), to ferment, B also to get puffed up. Prob. contraction of *Pš:et'ha, cf. *Pš:ē to swell up.

124. Pst:

*Pst:awe -- B pst:awe/... whole, all. Cf. *Psawe.

125. Pskh

*Pskha -- B pčh'a š pskha/pska to cough.

*g°ePskha š bronchitis

126. Pšk

*Pške -- B zə-ğa-pč'ē š zə-ğa-pske/zə-ğa-psk to wash, bathe oneself zə-. Prob. contraction of *Pške, cf. *Pse water, *ka to pour in.

*wePška K to rock, swing, tr.

*x°aPške lightning flashes; lightning

127. Pšk°

*Pšk°ə -- .../ğa-psk° to hide, tr.

128. STġ

*STġa -- T stġa/... to coarsen, chap, become rough.

*paSTġa to scratch

*meSTġa B ash-tree T elm

129. STġ°

*meSTġ°e T pitch, refined wax

*weSTġ°a T to glow (as coals)

130. PŠĦ

*(P)šĦap^ha ---.../(p)šĦapa useful, usefulness.

ADDENDA to p. 22 (no. 20. Pć, š°ć)

*Pc:aš°ća lead (metal)

*q:əš°ća plum

*Pž'aš°ća drone

*weš°ća Š bruise (lə-)

*ləš°ća T Š birthmark

ADDENDUM to p. 30 (no. 31. č^h°)

Mr. John Colarusso of Belmont, Mass., U.S.A. by letter calls attention to Be fāġ°a to crawl along the ground; to rub against stg. (Alparslan and Dumézil, Journal Asiatique, vol. 252, 1964 p. 329), a welcome addition to the scarce E.Circ. representatives of *č^h° (to *č^h°aġ°a).

CORRECTIONS

P. 15 line 2: *q:°ert^he is not in its alphabetic place and should be shifted to the lower left column on p. 14.

P. 80 line 15: eliminate *ñəla (the word falls under *ñ(a)la).

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