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A DICTIONARY
OF
COMMON ABKHAZ



LEIDEN 1996

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A DICTIONARY

O F

C O M M O N A B K H A Z

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INTRODUCTION

1. The present Common Abkhaz Dictionary is a counterpart to A.H. Kuipers' Proto-Circassian Dictionary (1975); its publication will, it is hoped, facilitate West Caucasian comparative research. As many dialect materials are present in the dictionary, it also is a first comprehensive dictionary of the Abkhaz dialects. The (Khaltsys and Tswydzhy) Sadz, Ahchypsy and Tsabal lexical data were never published before. The analytical notation which separates morphemes in both reconstructed and contemporary forms, will help the students of Abkhaz to rightly analyse the Abkhaz lexemes. At the same time, the dictionary provides etymologies for many Abkhaz words.
2. The Abkhaz dialects constitute the Abkhaz group of the Abkhazo-Adyghean (or West Caucasian) branch of the North Caucasian linguistic family, the other branch of which is Nakh-Daghestanian (or East Caucasian). Note that the Kartvelian languages, i.e. Georgian, Megrel, Laz and Svan, are not genetically related to the North Caucasian family.

The most divergent dialect of the Abkhaz group is Tapanta (more usually known as Abaza), while Ashkharywa, much closer to Abkhaz proper than to Tapanta, occupies on the whole an intermediate position between the latter and the rest of the Abkhaz dialects. For the sake of convenience I shall label the southern Abkhaz dialects, i.e. Bzyp, Abzhywa, Tsabal, Sadz and Ahchypsy, representing a close unity within the Abkhaz group, by a general term "South Abkhaz". Tapanta represents North Abkhaz. Note that the speakers of Ashkharywa and Tapanta, living in the North Caucasian republic of Karachaj-Cherkessia, now constitute a distinct Abaza (or Abazin) people (Rus Абазинский народ). Ahchypsy, though belonging to the southern subgroup, displays certain morphological and lexico-phonetic isoglosses connecting it with Sadz and Ashkharywa, which is explained by a close geographic neighbourhood of these three dialects prior to the emigration of their speakers. Sadz, representing a distinct dialect closely connected with the southern group of dialects, also displays certain phonetic, morphological and lexical isoglosses with Ashkharywa and Tapanta. Tsabal, in its turn, is probably an archaic form of Abzhywa. Sadz, Ahchypsy and Tsabal speakers are to be found now only in Turkey, as their ancestors fled to the Ottoman empire following the Russian annexation of Abkhazia in 1864. The literary form of Abkhaz proper is based on the phonetically simpler Abzhywa dialect, while the basis for Standard Abaza is Tapanta. All Abkhaz dialects are mutually intelligible.

3. The first reconstruction of the Common Abkhaz phonemic system was proposed by Starostin 1978. Here I use the revised version of this reconstruction that was already proposed in Chirikba 1992.

The most conservative of all Abkhaz dialects is Bzyp, which retains (1) the complete system of plain middle sibilants, which is lost by other dialects, (2) the reflexes of the Common Abkhaz uvular stops, lost by Abzhywa and Sadz, and (3) the velar voiceless fricative, lost by nearly all other Abkhaz dialects. Comparison of Tapanta with the rest of the sister dialects allows us to restore a set of back labialised affricates. Voiced pharyngals are preserved in Tapanta and Ashkharywa. Ashkharywa and Sadz often retain the full vocalic grade of root morphemes. Tapanta marginally preserves the old tonal system that was lost by other dialects. All dialects have their contribution to the reconstruction of the Common Abkhaz lexicon.

The sources for this dictionary were dictionaries and studies on Abkhaz dialects, as well as results of my own fieldwork in the Caucasus and in Turkey. A detailed list of sources is given below. All the cited Sadz, Ahchypsy and Tsabal material was collected during my fieldwork in Turkey.

4. As in Kuipers' Proto-Circassian dictionary, the order is from front (labials) to back (dentals, alveolars, etc.). The material is subdivided into three groups: roots with initial obstruents, resonants and glides. The Common Abkhaz forms are followed by present-day forms that led to their reconstruction, in the following order: Bzyp, Abzhywa, Tsabal, Ahchypsy, Sadz, Ashkharywa, Tapanta. If the South Abkhaz forms coincide, I give a single form labelled SAbx.

5. Morphemes are separated by a hyphen in all Abkhaz material, reconstructions included. Words with unclear morphemic composition are given without hyphenation. Close-knit combinations of morphemes (especially complex affixes) are united by a plus (+). Unlike the contemporary forms, the reconstructed verbs are given without the masdar suffix *-ra. Besides the main entries, I sometimes give derived forms such as indefinite singular, or possessive forms, which are diagnostic for the presence of the root-initial vowel (which is always *a-). All the items, including the reconstructed forms (where it was possible) are marked for stress. Stress is not reconstructed when the accentual picture in the dialects is not regular. The absence of the stress in one or another word means that it was absent in the published source from which the word was borrowed, and I did not have the opportunity to check it with the informants. Variant vowels or consonants are separated by a slash (e.g. Bz *a-č'a/əč'əndər* 'strawberry'). Variant dialect forms are separated by a double slash (e.g. Bz *č"q'a//č"q'a//č'q'a* 'precisely'). Optional segments are put in parentheses (e.g. Bz *a-č'(a)ya* 'thin'). Certain doublets, for instance, of pronouns, that represent etymologically identical items, are given as separate entries (e.g. **a-bá-na* > SAbx *abán* and **a-ba-ná* > SAbx *abná* 'there').

When the original meaning of a proto-form is not preserved as such in the modern dialects, I provide the semantic reconstruction with an asterisk. Sometimes lexicalised combinations preverb-verb are presented as separate entries.

6. Etymological information, such as the analysis of reconstructed compounds, sources of borrowed items, etc., is given at the end of the entry after a swung dash (~). Though it is possible to etymologically connect many items listed as separate entries, I usually abstain from this, as this goes beyond the goals of the present dictionary. I did not include into the dictionary those items the Common Abkhaz character of whose is doubtful.

7. Borrowed lexemes are included in the dictionary only if they are present in at least one South Abkhaz dialect and in Tapanta. The loans are mostly from Circassian, Kartvelian and Ossetic. In the case of Circassian loans usually I provide the Common Circassian form, or the forms in individual dialects, if they better explain the Common Abkhaz form. Kartvelian loans are regarded as belonging to the Common Abkhaz period if they are found in at least one of the Southern dialects and in Tapanta. In the case of Ossetic loans I cite both Iron and Digor forms, separated by a slash and in this order. Turkic loans are usually not given, as their presence in Common Abkhaz needs special examination. The majority of the Turkic loans that are common to Abkhaz dialects are of a late Turkish origin and consequently cannot be reconstructed for the Common Abkhaz period.

8. I would like to thank my informants for the various Abkhaz dialects (many of whom are friends or relatives of mine), who helped me in compiling the dialectal data. Special thanks are to my mother, Ira Mikeladze, and to my friends Simma Dbar, Batal Xagush, Tsyra Gabnia, the late Mirod Gozhba, Bella Bartsyts, the late Mushni Xvartskija, Zurab Xibba (Bzyp dialect), Taliko Djopua, Boris Djonua, Valentin Koghonia (Abzhywa dialect), the late Shahinbej Huranov, Hadzhi-Ismail Adzhibekov, Irma Xutova (Tapanta dialect). I would also like to thank other informants, in the Caucasus and in Turkey, who contributed to this dictionary.

ABBREVIATIONS

LANGUAGES AND DIALECTS:

Abzh	— Abzhywa
Ach	— Achandara, a Bz vil.
Ad	— Adyghe
Agu-B	— Agu-Bedia, an Abzh vil.
Aps	— Apsua, an Ash vil.
Adz	— Adziubzha, an Abzh vil.
Ash	— Ashkharywa
Ahch	— Ahchypsy
Axu	— Akhutsa, a Bz vil.
BatAbx	— Abkhaz as spoken in the city of Batum, Adjaria, Georgia
Bz	— Bzyp
Bzp	— Bzyp, a Bz vil.
Bl	— Blabyrkha, a Bz vil.
Circ	— Circassian
CCirc	— Common Circassian
Dur	— Durypsh, a Bz vil.
Dzh	— Dzhyrkha, a Bz vil.
Dzhg	— Dzhgiarda, an Abzh vil.
Elb	— Elburghan, a Tap vil.
Fer	— Feria, a subdialect of BatAbx
Geo	— Georgian
Gum (1, 2)	— Gumlo(w)kt, a Tap vil. with 2 isolects
Indzh	— Indzhig-Chkun, a Tap vil.
Kab	— Kabardian
Kld	— Kaldakhwara, a Bz vil.
Koj	— Kojdan, a Tap vil.
Kul	— Kulanyrkha, a Bz. vil.
Kuv	— NKuv and SKuv together
Meg	— Megrel
NA	— Novy Afon, a Bz. town
NKuv	— Novo-Kuvinsky, an Ash vil.
Och	— Ochamchira, an Abzh town
Oss	— Ossetic
Ps (1, 2)	— Psyzh, a Tap vil. with 2 isolects
Sa	— Sadz

SAbx	— South Abkhaz (Bzyp and Abzhywa together)
Sam	— Sameba, a BatAbx (Fer) vil.
SKuv	— Staro-Kuvinskij, an Ash vil.
Tap	— Tapanta
Tapn	— Tapanta, a Tap vil.
Tsab	— Tsabal
TuAbx	— speech of Turkish Abkhazians
TuBz	— Bzyp as spoken in Turkey
Xu	— Xwap, a Bz vil.
Zw	— Zwandrypsh, a Bz vil.

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- AD Lomtadidze K.V. Ashkharywa dialect and its place amongst the other Abkhaz-Abaza dialects (with texts). Tbilisi, 1954 (in Georgian)
- Adj Adjindjal, I.A. Iz ètnografii Abxazii. Suxum, 1969
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- GF Genko A.N. Foneticheskie vzaimootnoshenija abxazskogo i abazinskogo jazykov. In: Trudy AbIJALI, vol. XXVIII, Suxum, 1957
- IM Ira Mikeladze, born 1939, a Bzyp informant from Zwandrypskh
- IX Irma B. Xutova (Хәт'), born 1968, a Tap informant from Gumlokt
- M Marr N.J. Abxazsko-russkij slovar' (Posobije k lekcijam i v issledovatel'skoj rabote). Leningrad, 1926
- M Arch. Marr N.J. Abxazsko-russkij slovar' (ms). In: Marr's Archives (in the Academy of Sciences of Russia, St-Petersbourg)
- Nart Nart Sasrəq^oej pš'ənj^oaž^oej zež^oj^oæk' jara jaš'c^oej. Apsua ž^olar rep'os. Aq^oa: Alašara, 1962
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- S1 Serdiuchenko G.P., Abazinskie skazki. Ibidem, p. 61-86
- ShX Shahinbey Xuranov, a Tap inf. from Gumlokt
- TD Lomtatidze K.V. Tapantskij dialekt abxazskogo jazyka. Tbilisi, 1944
- U Uslar P.K. Etnografija Kavkaza. Jazykoznanie. 1. Abxazskij jazyk. Tiflis, 1887.
- AbIJLI Abxazskij Institut Jazyka, Literatury i Istorii im. D.I. Gulia
- AN Akademija Nauk

LINGUISTIC AND OTHER TERMS

adv.	— adverb
agric.	— agricultural
anat.	— anatomical
astron.	— astronomical
attr.	— attribute
attrib.	— attributive
bot.	— botanical
caus.	— causative
coll. pl.	— collective plural
comb.	— combination
deriv.	— derivative
descr.	— description
d-t	— dialect
etym.	— etymolog(icall)y
folk.	— folklore
indef.sg.	— indefinite singular
inf.	— informant
interj.	— interjection
interrog.	— interrogative
lit.	— literally
mus.	— musical
onomat.	— onomatopoeic
poss.	— possessive
pref.	— prefix
prev.	— preverb
prob.	— probably
redupl.	— reduplication
rel.	— relative
relig.	— religious
SBL	— Specialised Baby Lexicon (= baby talk)
smb	— somebody
sth	— something
suf.	— suffix
tech.	— technical
text.	— textile
usu.	— usually
var.	— variant
vil.	— village
zool.	— zoological

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COMMON ABKHAZ PHONEMIC INVENTORY

	Stops			Affricates			Spirants		Resonants		Glides
Labial	<i>b p p'</i> <i>p"</i>						<i>(v) f</i>		<i>m</i>		<i>w</i>
Dental	<i>d t t'</i> <i>d° t° t"</i>			<i>z c c'</i>			<i>z s</i>		<i>n r</i>		
Dental-alveolar				<i>ʒ c c'</i> <i>ʒ° c° c"</i>			<i>ž s</i>		<i>ž° s°</i>		
Alveolar				<i>č č' č"</i> <i>č° č° č"</i> <i>č' č' č''</i>			<i>ž š</i>		<i>ž° š°</i>		
Palatal											<i>j</i>
Lateral									<i>l</i>		
Velar	<i>g k k'</i> <i>g° k° k"</i> <i>g' k' k''</i>										
Uvular				<i>q q'</i> <i>q° q"</i> <i>q''</i>			<i>γ ū</i>		<i>γ° ū°</i>		
Pharyngeal							<i>ħ ħ</i>		<i>ħ° ħ°</i>		
Vowels	<i>a ə</i>										

TABLE OF INTER-ABKHAZ CORRESPONDENCES

<u>CAbx</u>	<u>Bz</u>	<u>Abzh</u>	<u>Ahch</u>	<u>Sa</u>	<u>Ash</u>	<u>Tap</u>
*b	b	b	b	b	b	b
*p	p	p	p	p	p	p
*p'	p'	p'	p'	p'	p'	p'
*p"	p'	p'	p'	p'	p"	p'
*d	d	d	d	d	d	d
*d°	d°	d°	d°	d°	d(°)/b	ʒ°/ʃ°/ʒ/ʃ
*t	t	t	t	t	t	t
*t°	t°	t°	t°	t°	t(°)/p	č°/č°/č/č
*t'	t'	t'	t'	t'	t'	t'
*t"	t"	t"	t"	t"	t'(°)/p'	č"/č"/č'/č'
*g	g	g	g	g	g	g
*g'	g'	g'	g'	g'	g'	g'
*g°	g°	g°	g°	g°	g°	g°
*k	k	k	k	k	k	k
*k'	k'	k'	k'	k'	k'	k'
*k°	k°	k°	k°	k°	k°	k°
*k'	k'	k'	k'	k'	k'	k'
*k''	k''	k''	k''	k''	k''	k''
*k"	k"	k"	k"	k"	k"	k"
*q	χ	χ	χ	χ	q	q
*q°	χ°	χ°	χ°	χ°	q°	q°
*q'	q'	q'	q'	q'	q'	q'/?
*q''	q''	q''	q''	q''	q''	q''
*q"	q"	q"	q"	q"	q"	q"
*ʒ	ʒ	ʒ	ʒ	ʒ	ʒ	ʒ
*c	c	c	c	c	c	c
*c'	c'	c'	c'	c'	c'	c'
*ʃ	ʃ	ʃ	ʃ	ʃ	ʃ	ʃ
*ʃ°	ʃ°	ʃ°	ʃ°	ʃ°	ʃ°	ʃ°/ʒ°/ʒ
*č	č	č	č	č	č	č
*č°	č°	č°	č°	č°	č°	č°/č°/č
*č'	č'	č'	č'	č'	č'	č'
*č"	č"	č"	č"	č"	č"	č"/č"/č'
*ž	ž	ž	ž	ž	ž	ž
*ž'	ž'	ž'	ž'	ž'	ž'	ž'
*ž°	v	v	v	v	v	ʒ

*č	č	č	č	č	č	č
*č'	č'	č'	č'	č'	č'	č'
*č°	f	f	f	f	f	c
*č'	č'	č'	č'	č'	č'	č'
*č''	č''	č''	č''	č''	č''	č''
*č°°	p'	f'	p'	f	f'	c'
(*v)	v	v	v	v	v	v
*f	f	f	f	f	f	f
*z	z	z	z	z	z	z
*s	s	s	s	s	s	s
*ž	ž	z	z	z	z	z
*ž°	ž°	ž°	ž°	ž°/ž°	ž°	ž°/ž°/ž
*š	š	s	s	s	s	s
*š°	š°	š°	š°	š°/š°	š°	š°/š°/š
*ž̄	ž̄	ž̄	ž̄	ž̄	ž̄	ž̄
*ž̄'	ž̄'	ž̄'	ž̄'	ž̄'	ž̄'	ž̄'
*ž̄°	ž̄°	ž̄°	ž̄°	ž̄°	ž̄°	ž̄/ž̄°/ž̄
*š̄	š̄	š̄	š̄	š̄	š̄	š̄
*š̄'	š̄'	š̄'	š̄'	š̄'	š̄'	š̄'
*š̄°	š̄°	š̄°	š̄°	š̄°	š̄°	š̄/š̄°/š̄
*γ	γ	γ	γ	γ	γ	γ
*γ̄	γ̄	γ̄	γ̄	γ̄	γ̄	γ̄
*γ°	γ°	γ°	γ°	γ°	γ°	γ°
*χ	χ	χ	χ	χ	χ	χ
*χ̄	χ̄	χ̄	χ̄	χ̄	χ̄	χ̄
*χ°	χ°	χ°	χ°	χ°	χ°	χ°
*ħ	aa	aa	aa	aa	ħ/ā	ħ
*ħ°	j°	j°	j°	j°	ħ°	ħ°
*ħ	ħ	ħ	ħ	ħ	ħ	ħ
*ħ°	ħ°	ħ°	ħ°	ħ°	ħ°	ħ°
*m	m	m	m	m	m	m
*n	n	n	n	n	n	n
*r	r	r	r	r	r	r
*l	l	l	l	l	l	l
*w	w	w	w	w	w	w
*j	j	j	j	j	j	j

DEVELOPMENTS IN DIALECTS

1. Developments common to several dialects:

I. Bzyp, Abzhywa, Ahchypsy, Sadz, Ashkharywa:

*ʒ°, *č° > v, f

II. Bzyp, Abzhywa, Ahchypsy, Sadz, Tapanta:

*p° > p'

III. Abzhywa, Sadz, Ahchypsy, Ashkharywa, Tapanta:

*ʒ, *č, *č' > ʒ, c, c'
*z, *s > z, s

IV. Bzyp, Abzhywa, Ahchypsy, Sadz:

*ħ, *ħ° > aa, j°

V. Abzhywa, Sadz, Ashkharywa:

*č° > f° (Sadz > f)

VI. Abzhywa, Sadz:

*z°, *s° > ū, ū° (only in Khaltsys Sadz)
*q, *q° > x, x°

VII. Bzyp, Ahchypsy:

*q, *q° > ū, ū°

2. Developments in individual dialects:

I. Ashkharywa:

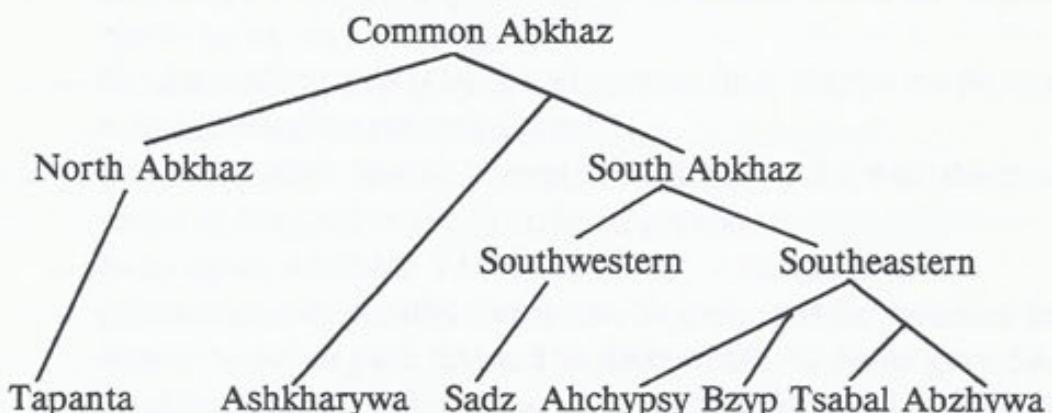
*d°, *t°, *t° > d(°), t(°), t'(°) (Aps, Kuv) or b, p, p' (Ulyap)

II. Tapanta:

- **d°, t°, tʷ> ž°, č°, čʷ or ž°, č°, čʷ, or ž, č, č'*
- **ž°, č°, čʷ> ž, č, č'*
- **z°, s°> ž°, s° or ž°, š, or ž, š*
- **z°, s°> ž, š or ž°, s°, or ž, š*

Comment:

p' as a reflex of *čʷ is the main allophone of Tswydzhy Sadz, while *f* is used only rarely; Khaltsys Sadz has only *f* (phonetically [f]) as the reflex of *čʷ.

INTERNAL SUBGROUPINGS OF ABKHAZ DIALECTS

1. **a*

- **a*
 - SAbx *a*, Tap *a* interj. expressing various emotions (surprise, sudden recognition, etc.)
- **a*
 - demonstr. pronoun 'this', only in compounds, cf. **a-tə*, **a-ba-tə*, etc.; cf. also 3d p.sg. nonhum. prefix **a-*
- **a*
 - Tap, Ash, SAbx *a-* definite article (in SAbx always stressed): Tap, Ash čə 'horse' vs. *a-čə* 'the horse', SAbx *arəj a-waj*°ə 'this man' vs. *arəj á-waj*°ə 'the man'
- **a*
 - 'to be': Bz (AF 111) *ø-a-mə-j* 'was it not?'
- **abá*
 - SAbx *ab*, pl. *ába-č'a*, Sa, Ash *ába*, Tap (IX) *ába//abá*, def. *ába*; indef.sg.: SAbx *abə-k*', Tap *abá-k*' 'father'
- **a-bá*
 - SAbx *j-abá* 'where?' (*j-* 'it'); ~ **a* deixis of place, **ba* interrogative element
- **a-bá*
 - demonstr. pronoun 'this'; only in compounds, cf. **a-bá-tə*, **a-bá-ša*, etc.; ~ deictics **a*, **ba*
- **a-bá-tə*
 - Bz *abát* 'these'; ~ **a-bá* 'this', *-*tə* pl. suf. (only in pronouns)
- **a-b-ák*°*ə*
 - Bz *j-a/abə-k*°(*ə-w*), Tap *j-ab-ák*°*ə-w* 'where?'; ~ **a-bá* 'where?', **ák*°*ə* 'to be', -*wə* interrog. suf.
- **a-bá-ša*
 - Bz *abás*, Abzh, Tap (GA 56) *abás* 'thus, this way'; ~ **a-bá* 'this', *-*ša* adverbial/transformative suffix
- **a-bá-n(a)*
 - SAbx, Tap *abán* 'there'; ~ comb. of deictics **a-bá*, **na*; the final vowel is dropped in the unstressed syllable
- **a-ba-ná*
 - SAbx *abná*, Ash (AD 73) *abaná* 'there'; ~ the same as the preceding item; parallel forms can be explained by variation in stress: **a-bá-na* gave SAbx, Tap *abán*, while **a-ba-ná* gave SAbx *abná*, Ash *abaná*; in both cases the unstressed vowel was dropped; the difference in stress could bear semantic significance; ~ comb. of deictics **a-bá*, **na*
- **a-bá-n-tə*
 - SAbx *abánt* 'those'; ~ deictic **a-bá-na*, pl. *-*tə*
- **a-ba-ná-tə*
 - Tap (AD 67) *abanát* 'those'; ~ deictic **a-ba-ná*, pl. *-*tə*
- **a-bá-n-ša*
 - Bz *abánš*, Abzh *abáns*, Ash (AD 72) *abansa* 'thus, that way'; ~ deictic **a-bá-na*, *-*ša* adverbial/transformative suffix
- **a-ba-ná-jə*
 - SAbx *abnáj*, Ash (AD 68), Tap (AD 67) *abanáj* 'this'; ~ comb. of deictics **a-ba-ná*, **jə-*
- **a-bá-r(a)*
 - SAbx, Ash, Tap *abár* 'here'; ~ comb. of deictics **a-bá*, **ra*; the final vowel is dropped in the unstressed position
- **a-ba-rá*
 - SAbx *abrá* 'here', SAbx, Ash *abrá-χ'*, Ash, Tap *abará-χ'* 'here, hither' (-χə locative); ~ etym. the same as **a-bá-ra*, but with

- different position of stress; cf. the similar with **a-bá-na//a-ba-ná*
- **a-bá-ra-t(ə)* — SAbx, Ash *abárt*, Bz also *abárt* (BD 148, 150) ‘these’; ~ deictic
**a-bá-ra*, pl. **-tə*
- **a-ba-rá-t(ə)* — Ash (Aps), Tap *abarát* ‘these’; ~ deictic **a-ba-rá*, pl. **-tə*
- **a-bá-ra-śa* — Bz *abárš*, Abzh *abárs* ‘thus, this way’; ~ deictic **a-bá-ra*, **-śa*
adverbial/transformative suffix
- **a-ba-rá-śa* — Ash (AD 72) *abarsa*, Tap *abarásá* ‘thus, this way’; ~ deictic
**a-ba-rá*, **-śa* adverbial/transformative suffix
- **a-ba-rá-ħa* — SAbx *abráa* ‘here’; ~ comb. of deictics **a-ba-rá*, **ħa*
- **a-ba-ré-jə* — SAbx, Ash *abrój*, Ash, Tap *abarój* ‘this’; ~ comb. of deictics
**a-ba-rá*, **jə*
- **a-ba-wá-t(ə)* — Tap (AD 67) *ábawat* ‘these’; ~ comb. of deictics **a-bá*, **wa*, pl.
**-tə*
- **a-ba-wa-śa* — Ash (AD 72) *ab(a)wasa* ‘thus’; ~ comb. of deictics **a-bá*, **wa*,
**-śa* adverbial/transformative suffix
- **a-ba-wé-jə* — Tap (IX) *abawój* ‘this’; ~ comb. of deictics **a-bá*, **wə-j*
- **aba-pśá* — Bz *áb-pśa*, U 79 *áabə-psa*, Abzh *ab-psa*, Ash (AD 220) *aba-psa*,
Tap *aba-psá* ‘step-father’; ~ **aba* ‘father’, **pśa* ‘step-’
- **a-bá-ħa-r(a)* — Bz *abáar* ‘here’; ~ comb. of deictics **a-bá*, **ħa*, **ra*
- **a-ba-rá-ħa* — SAbx *abráa* ‘here’; ~ comb. of deictics **a-ba-rá*, **ħa*
- **abž* — SAbx, Ash, Tap *ab* ‘(castrated) he-goat’, SAbx, Tap indef.sg.
abə-k'
- **abə-z+ná-ž°* — SAbx (AT 12) *abəznáž°* ‘male goat half a year old’; ~ **abə* ‘he-goat’,
**za-nə* ‘once’, **az̥ə* ‘old’
- **ab-t°á* — SAbx *á-bt°a*, Tap *bč°a*, Gum (IX) *bča* ‘sheep wool clipped in
spring’, Bz (AF 121) *abt°a-k°a-k'* ‘some sheep’s wool’; ~ **t°a* ‘hay’
(?)
- **áb-q°a* — Bz *ábč°a*, Abzh *ábč°a*, Ash, Tap *ábq°a* ‘father-in-law’; ~ **aba*
‘father’, **q°a* ‘crooked’
- **ab-q°š-nda* — Bz *ábč°ənda*, indef.sg. *bč°š-nda-k'* Abzh *ábč°ənda*, Ash *ábq°ənda*,
Tap (IX) *abq°ənd* ‘brother-in-law’; ~ **áb-q°a* ‘father-in-law’, **nda* ?;
one of the possibilities is to suggest the older form **ab-q°š-na* with
the diminutive suf. -na (**áb-q°a* + *na*, i.e. ‘little father-in-law’) and
epenthetic -d- (?)
- **abžár* — Bz *ábžár*, indef.sg. (*a*)*bžár-k'*, poss. *j-ábžár* ‘his weapon’, Ash
abžár, Tap *abžár* ‘weapon(ry)’; ~ < Geo *abžar-i* ‘id.’
- **abħá* — SAbx *abaá* ‘fortress’, ‘stone palace’, ‘stone fence’, indef.sg. *baá-k'*,
Abzh (Dzhg, Agu-B) also *abaá-k'*
- **abħá* — SAbx (AB I: 28) *ábaa* ‘skinny’, indef.sg. (*a*)*baá-k'*; *j-abaá-w á-rax°*
(AT 19) ‘skinny cattle’
- **abħa* — SAbx *a-baá*, indef.sg. *baá-k'*, Ash, Tap *bħa*, indef.sg. *bħa-k'*
'rotten', *bħa-rá* ‘to rot’; for *a-* cf. SAbx *a-k°-abaa=s-abaá* ‘rain with

- snow' (**k°a* 'rain', **ša* 'snow'), SAbx *a-b-áž* 'rotten log' can point to the affixal character of *-ha* in **bħa* (cf. **c'-ħa* 'coldness'), whence **ba-ha*; Bz (BD 385) *a-ž'-abaa* 'rotten meat, carrion'; but cf. AB II: 68 *j-a-r-baa-jt'*
- *abrág* — SAbx *ábrag*, Ash, Tap *abrág* 'abrek, brigand'; ~ < CCirc **abrag* ~ 'id.'
- *ab-ja-šá* — SAbx *áb-jaš'a*, Ash *ab-jaš'a*, Tap *ab-aš'a* 'uncle (father's brother)'; ~ **abá* 'father', **ajaš'a* 'brother'
- *ab-ja-ħ'-šá* — SAbx *áb-jaħ'-š'a*, Ash (AD 219), Tap *ab-axš'a* 'aunt (father's sister)'; ~ **aba* 'father', **aj-ħ'-š'a* 'sister'
- *a+p-á+ħ'a* — Bz (BD 128) *apáħ'a* 'earlier, previously, before', Ash (AD 86) *apax'* 'before sth/smb', Aps (S 6) *apáħ'a* 'the first couple of bulls (while ploughing)', Tap (GA 45) *apáħ'* '(location) before sth/smb'; ~ **a+pə* 'before', **a+ħ'a* directional postposition
- *apá/ð-sə* — Bz (BB) *apás-ra: d-j-apásə-jt'*, Abzh *apəs-ra* 'to pass ahead, outrun': Bz *d-j-apásə-jt'*, Abzh *d-j-apə-sə-jt'* '(s)he outran him'; ~ **a+pə* 'before', **sə* 'to pass'
- *a+pə* — 'before, at the front': SAbx *j-apð-w* 'that is needed'; ~ **pə* 'nose'
- *apə-šʒ* — Bz (IM) *apə-š'-ra*, Tap *ap-šə-l-ra* 'to connect, bind', Bz (IM) *j-apə-l-šə-jt'*, Tap (IX) *j-apə-l-šʒ-l-d* 'she connected it'; ~ *-l-* in Tap is VRE
- *a+pð-ħ'a* — Abzh *apðħ'a*, Ash (AD 60) *apðħ'a-la* 'earlier, previously, before', in SAbx also *pðħ'a* (AB II: 58); ~ **a+pə* 'before', **-ħ'a* directional postposition; *-la* in Ash is instr.
- *á+pə-ħ'a* — SAbx, Ash *ápx'a* 'at the front', 'earlier', 'at the beginning', also *pħ'a* (AB II: 47, in an example); ~ var. of **a+pð-ħ'a* with different a position of stress
- *a+p-qá* — Tap *apqá* 'ahead, before, earlier', Ash *ápqa-ʒa* 'the first', Bz *pħa-*, Abzh *pħa-* prev. 'ahead'; ~ **a+pə* 'before', **qa* 'head'
- *ápsa* — Bz *ápsa*, Abzh *ápsa* 'bayonet, spear, lance', Tap (S 7) *ħ'-aps* 'bayonet'; Bz poss. *s-ápsa* 'my bayonet'; M 28 gives also Bz *abs*, Abzh *absá*
- *a-pśá* — Bz *a-pśa-rá* 'to cost; deserve', *j-apsá-wə-p'* 'it costs, has value', Abzh *a-psá* 'cost, price', *a-psa-rá* 'to cost; deserve', Tap *apsa* in *z-ʔa-rá j-apsá-ja* (IX) 'how much (of cost)?' (arch.)
- *apśá* — Bz *á(-)pś(ə)-wa*, Abzh *á(-)ps(ə)-wa*, Ahch *ápsa-wa*, Sa *apsəwə* [*apsiu*], Ash *apsəwa* [*apsúa*] 'Abkhaz', cf. also SAbx *aps-ádg əl* 'mother- (lit. 'Abkhaz) land', poss. *j-aps-ádg əl-wə-p'* 'his motherland'; Tap (AbR 305) *psadg əl* 'motherland' must be a loan from LABx, cf. in RAb 437 Tap *ródina* 'id' (< Rus); Bz *aps-nə*, Abzh, Sa, Ahch *aps-nə* 'Abkhazia' (-nə 'place, country'), SAbx *aps-ħá* 'king/prince of Abkhazia' (**aħa* 'prince')

- **apš°áma* — SAbx *ápš°ma*, indef.sg. *apš°áma-k'*, Tap: GA 88 *ápš°ma*, Gum 1 *pš°áma*, Gum 2, Elb *pš°áma* 'host, master of the house'; in Tap became arch.; Bz, Ahch *ápš°ma* with *š°* points to an alternative reconstruction **apš°áma*; ~ < Oss *fəsəm/fusun* 'host, master'
- **ápšə* — 'big, strong, powerful': SAbx *abax°-apš'* 'the strong rock', *azaar(*a)-apš'* 'terrible anger', *a-k'aamet-apš'* 'horror, the doomsday', *agaʒ(*a)-apš'* 'bally idiot' (Amichba 1992: 188), *adaw(*ə)-ápš'* 'monstrous giant', *á-mat-apš'* 'a very venomous snake', Tap *q'abard-ápš'//IX*, GA 60 *q'abárd-pš'* 'the Great Kabarda'; ~ the supposed connection of this root with **apšə* 'red' (cf. Amichba 1992: 188) is not clear; alternatively, it may well be related to CCirc **pšə* 'feudal prince' (PC 36)
- **apšə* — SAbx *apš'* 'red(-coloured)', Bzp indef.sg. *apšə-k'*; cf. **q'a-pšə*
- **ápšə/a-* — Bz *ápš'a-ga-ra*, Abzh: AB II: 54 *ap-š'-gá-ra*, AK 283 *ápš'-ga-ra* 'to venture, undertake, start doing sth', Bz also 'to decide, resolve'; Abzh *j-apšə-r-ga-jt'*, Bz (IM) *j-ápš'a-r-ga-jt'* 'they started it'; ~ **ga* 'to bring, carry'
- **á-px'a* — SAbx *á-px'a-ra* 'to read', 'to study', Ash (Aps) *á-px'a-ra* 'study', (AD 86) *a-px'a-rá* 'to study', Tap *a-px'a-rá* 'to read'; ~ prev. **a*, **px'a* 'to call'
- **adá* — SAbx *á-da-γ'*, indef.sg. *day ʃ-k'* (*ay ʃ* 'seed'); Tap (IX) *adá* 'frog', indef.sg. *adá-k'*
- **a-də-na* — SAbx, Ash, Tap *adána* 'something, this, that'; ~ comb. of deictics **a*, **də*, **na*
- **á-də-r(a)* — SAbx *ádər-j°-a-č-nə* 'on the second day' (**j°-a* 'the second'), *ádə-r-χ-a-wə-χa* 'on the third night' (**χ-a* 'the third'), Ash (AD 83) *ádər-j°-a-n a-č-nə* 'on the second day'; ~ deictics **a*, **də-r*
- **adg ʃl* — SAbx *á-dg ʃl*, indef.sg. *dg ʃl-k'*, poss. *j-ádg ʃl*, Tap *adg ʃl* 'land', indef.sg. *adg ʃl-k'*, poss. *j-ádg ʃl* 'his land'; ~ < Geo *adgil-i* 'id.'
- **á-tə* — Ash (AD 71) *at* 'these'; ~ deictic **a*, pl. **-tə*
- **áta-k'ə* — SAbx *ata-k'-ra* 'to answer, respond', *jə-r-áta-j-k'ə-jt'* "it-them-ata-he-take-past/fin/dyn" = 'he answered them'; ~ **k'ə* 'to hold'
- **át°a* — SAbx *át°a-(š'a-)ra*, Ash *t°a-* (GA 78), Tap *áč°a-š'a-ra* 'to be/consider worthy, appropriate, adequate' (-*š'a-* 'to consider, regard as')
- **ága* — SAbx *ága* (AB I: 129: *á-ga*) 'fool', poss. *w-ága* 'your (male/hum) fool'
- **agára* — SAbx *ágər-wa* 'Megrel', '(Megrelian) farm labourer', 'serf, one of the lowest estates of the Abkhaz society (of non-Abkhaz origine, usually Megrelians)' (hist.), Ash (Lavrov) *grə-h°a* 'farm labourer' (arch.), Tap (Gum) *gər* 'Svan, Megrel', *gər rasá* 'walnut', etym. 'Megrelian nut', cf. also Tap *Gər* personal masc. name; for the

- initial *a-* cf. LABx *agərwa-k'ə-j apswa-k'ə-j* 'Megrel and Abkhaz'
- **a-g'ə-j(a)* — SAbx, Tap (GA 112) *ag'əj* 'another, the other'; ~ **a*, **jə* deictics, **gə* 'and'
- **ag°qá* — SAbx *ag°x-áa* 'Circassian', sometimes 'Ubykh' (cf. DIRR 11), Ash (DZHANASHIA 1968: 113) *ag°qá-s°a* 'the Circassian language', Tap *ag°qá-wa* 'Circassian of Karachaj-Cherkessia', AbR 30: 'Circassian'; indef.sg. *ag°qá-wa-k'* (-aa coll.pl., s°a 'speech', -wa ethnic suf.)
- **agməg* — SAbx *á-gməg* 'ugly', 'silly', 'narrow-minded', 'with delayed intellectual development'; ~ < Oss *ægoməg/ægomug* 'ugly, silly'
- **ak'á* — SAbx *ák'a* 'a sort of big hawk', indef.sg. *ak'á-k'* (AB I: 328)
- **ák"ə* — SAbx *ák"-z-aa-ra*, Tap *ák"-z-(la-)ra* 'to be; being' (-z- durative, -aa-//-/la- VRE)
- **ak"ə* — SAbx *j-ak"ə-m* 'sth which is not appropriate' (*jə-* 'it', *m* neg.)
- **aqá* — 'night'; cf. comb. with numerals: Bz *x-áxa* 'three nights', Ash (AD 82) *jə-x-aqa-xə-wə-z-gə* 'the third night'; cf. also **w-aqá*, **j-aqá*
- **aqá* — Bz *axá*, Abzh *axá*, Ash *aqa* 'but'; **a* deictic, **qa* 'head'
- **aq'a* — SAbx *á-q'a-z-aa-ra*, Tap *á?a-z-la-ra* 'to be, exist' (-z- durative, -aa-, -la- VRE), TuAbx *d-áq'a-w-p* 'he is (somewhere)'
- **a-q'a* — SAbx, Ash *áq'a-ra*, Tap *á?a-ra* 'this much, about (of size, quantity)', SAbx *z-aq'á*, Tap *z-?a-rá(-ja)* 'how much' (rel. and. intrg.), SAbx *d-j-aq'a-rá-w-p* '(s)he is of the same size as he'; ~ prev. **a*, **q'a* directional postposition
- **aža* — Bz *á-r-aža-ra* 'to filter' (r- causative)
- **ážə* — Tap *áž* 'hoar-frost'; ~ cf. **žáža*
- **az"ə* — SAbx, Ash *az"ə*, Tap *az"ə* 'one (hum)', Bz indef.sg. *az"ə-k'* (AF 112)
- **áča* — Bz *áča//áj-áča* 'the wife of one brother in relation to another brother's wife', poss. *s-áča* 'my co-bride' (BD 44), also Bz *ája-ča-la*, Tap (IX) *áj-ca-la* 'id'
- **ac"əča* — Bz *áč"əča*, indef.sg. *c"əča-k'*, Abzh *áč"əca* 'glass', adj. 'glass, crystal', Tap *č"əca* 'glass, porcelain'; Bz poss. *s-áč"əča* 'my glass'
- **acá* — SAbx, Ash, Tap (GA 112) *acá* 'other', Bz. indef.sg. *acá-k'*
- **áč'a* — SAbx *áč'a* 'glass, goblet', poss. (AB I: 89) *s-áč'a* 'my glass', *a-ž-r-áč'a* (AT 67) 'wooden cup for milk' (**žə* 'milk', -r- connective), Tap *č'a* 'kind of cup' (GA 77), AbR 445 'glass with wine', AbR 139 'horn with wine'
- **ac'á* — SAbx *áč'á*, indef.sg. (Bzp) *ac'á-k'*, Tap *ac'á* (AbR 107)//č'á (RAb 319) 'quail'
- **ázna* — SAbx *ázna*, Bz (NA) *aázna* (< *aa-azna* ?), Ash, Tap (IX) *ázna* 'full; filled up', indef.sg. *ázna-k'*, adv. *j-ázna-ta* 'full'
- **azja* — Bz (Xu) *ázja* 'Karachaj' (as people)
- **asə* — Tap *asə* 'shirt', indef.sg. *asə-k'*; as the Bzyp form is not known, the CABx form could as well be **ašə*

- *az̥á — Bz *áz̥a*, indef.sg. *az̥á-k'*, poss. *j-áz̥a* 'his word', Ash (AD 37)
az̥á, Tap (Gum 1) *az̥á* 'word', indef.sg. *az̥á-k'*
- *asa — Bz *ásə* 'sword', 'card (text.)', 'feathers of cock's tail'; Bz poss. *s-ásə*
'my sword', Tap (GA 38) *sa* 'beater (of weaver's loom)'
- *asá — Bz *ásə*, Abzh *ásə* 'shortish, undersized, dwarfish (of humans)', Bz
indef.sg. *ásá-k'*
- *as̥á — Bz, Ash *ás̥a*, Bz indef.sg. *as̥á-k'*; though the word is known
amongst the Tapantas (Gum *ás̥a* 'song', indef.sg. *ás̥a-k'*), it is
regarded as a loan from Ashkharywa (cf. NTab 10)
- *as̥ə — Bz *as̥ə* 'the North Caucasus plain', whence *as̥ə-wa 'Tapanta
(Abaza)', cf. Bz *ás̥-wa*, indef.sg. *as̥ə-wa-k'*, pl. *as̥ə-w-aa*, Ahch
ás̥ə-wa, Ash *ás̥-wa* 'Tapanta (Abaza)'
- *ažá — SAbx (AB I: 34) *ážə* 'ash-tree', Ash (AAL 30) *ža-t'ž*, Tap (AAL
30) *aža-c"ž*, AbR 215 *ža-č"ž*; Bz (IM) indef.sg. *ažá-k'*, Abzh poss.
s-ážə c'la 'my ash-tree'
- *ažá — SAbx *a-žá*, indef.sg. *žá-k'*, Sa *a-žžá*, Tap *ažá* (AbR 41)//*žá*
(RAb 156) 'hare', indef.sg. (IX) *ažá-k'*
- *až̥ə — SAbx (AB I: 34) *až̥*, poss. *j-áz̥-ra* 'his old age', Tap *až̥ə* 'old'
- *áž̥ə-m+ta-qa — Abzh *áž̥ə-n+t-χa*, AB I: 32: *áž̥ə-m+ta-č-χa*, Tap (GA 117)
áž̥ə-m/n+ta-qa 'one's old age'; ~ *až̥ə 'old', *-m+ta 'result of', *qa
'head'; in SAbx (AB I: 35) also *áž̥əmta* 'period of one's old age'
- *aš-tá — SAbx *ášta*, indef.sg. (Bzp) *šta-k'*, IM *aštá-k'* 'court, yard', poss.
s-ášta 'my court, field', Tap *ášta*, indef.sg. *aštá-k'* 'the place of/for
settlement'; ~ *ta loc.suf.
- *ašq°a — Bz *ášx̥* (BD 65), *ášx̥a* (Obr. slov. 31) 'brisket (of chicken)' (BD),
'birds' shoulder-blade' (Obr. slov.)
- *ašq°a — Bz *ášx̥a*, Abzh *ášx̥a* 'boat'; ~ sem. deriv. of the preceding item ?
- *á-š'-+ta-χ̥ə — Bz (AF 113) *l-aš'tax'* 'after her'
- *aš'á — SAbx *aš'a-ra*//*á-r-aš'a-ra*, Tap *r-aš'a-rá* 'to weed', SAbx
ja-d-r-aš'a-wá-jt' 'they weed'
- *aš̥ə — SAbx *aš̥*, Tap *aš̥ə*, IX *aš̥ə*, indef.sg. *aš̥ə-k'* 'cheese', Bz (AF 132)
l-aš̥ 'her cheese'
- *aš̥ə — SAbx *a-š̥*, AB I: 89 *aš̥*, indef.sg. *š̥-k'ə*, Bzp *š̥ə-k'*, Ash
š̥//*aš̥ə*//*š̥ə*, indef.sg. (*a*)*š̥ə-k'*//*aš̥-k'*, indef.pl. *a-š̥-k'ə-á-k'*, Tap
(Gum, 2Ps) *š̥ə*, indef.sg. *š̥ə-k'*, another Gum informant: *aš̥*, indef.sg.
aš̥-k', 1Ps, Tapn, Indzh, Kub, Kojd *š̥ə*, indef.sg. *š̥ə-k'* 'door'
- *aš̥-qá-mṣa — Bz *aš̥χá/áms*, Abzh *aš̥χá/áms*, Ash (Aps) *š̥qámsa*, (S 7) *aš̥qlámsa*,
Tap (S 7) *š̥qámsa* 'threshold'; ~ *aš̥ə 'door', *qa 'head', *mṣa
'callosity'
- *ayá — SAbx (AB I: 33) *áya* 'bellows'; cf. Ash (Aps) *a-yrá-th̥a*, Tap
yrá-čh̥a, GA 83: *ayráčh̥a*, IX *ayrá-čh̥a*, indef.sg. *ayrá-čh̥a-k'*;
the first part may be connected with *ayəra (see below); ~ GA 83:

- **aya* ‘coal’, *rə-č̥h°a-ra* ‘to blow’
— SAbx (AB I: 33) *áya* ‘sparse’, Bzp (adv.) *j-aya-ná* ‘sparsely’
**ayá*
— SAbx (AB I: 33), Tap (IX) *ayá* ‘enemy’, indef.sg. (Bz) *ya-k'*, poss. (Bz, Tap) *s-ayá* ‘my enemy’, 1Ps *ya*, cf. also RAb 73: *ya-ra-la* ‘as an enemy’
**ayərā*
— Bz *áyra* (Axu), Abzh *a-yrá* (AB I: 183) ‘belly, abdominal cavity, insides’, also a prev. ‘inside a body, cavity, enclosure’, Ash *ayər-*, Tap *ayra-* prev. ‘inside a body, cavity’: *j-ayra-č̥z-d* ‘he swell inside (about a corpse, a sick, etc.)’, SAbx *ayər-h°a-rá* ‘to cut the belly’, Tap *ayər-p'-la-ra* ‘to pour out, spill out (of a package, parcel)’; ~ the final *-ra* is probably an abstract nominal suf., thus CABx
**ayə-ra*
**áy'a*
— SAbx (AB I: 34) *áy'a* ‘sire’, ‘house male animal or bird left for reproduction’, indef.sg. (Bz) *γ'a-k'*, AT 19 *áy'a-k'*, Bzp *ay'á-k'*, *áy'á-s* ‘as a sire’
**áy'a*
— SAbx *ay'* ‘seed’, *áy'a(-ra)* ‘sprout(s) from the seed’, *á-y'(a)-ra* ‘sowd field’, Tap (GA 88) *ay'a* in *ay'á-č"-ra* ‘to shoot sprouts’, ‘to germinate, swell (of buds)’ (-č" transformative suf.); same as the preceding ?
**ay'a-ća*
— Bz *a-y'aca-rá*, Abzh *a-y'aca-rá* ‘to develop’, ‘to strike, take root’; ~ **ay'a* ‘seed’, **ća* ‘to go’
**áy'ra*
— SAbx *áy'ra*, poss. *w-áy'ra* ‘your (male/hum) bridle’, Ash, Tap *γ'ra* ‘bridle’
**áxa*
— SAbx *áxa*, indef.sg. (Bzp) *axá-k'//xa-k'* ‘log with shortly cut branches used as a stair; stick supporting the climber plants (usu. beans)’, Tap (IX) *áxa*, indef.sg. *áxa-k'* ‘log with many branches to hang on them different things’
**áxa*
— SAbx (AB I: 88) *axá*, Bzp *áxa* ‘time’, also in compounds, Tap *áxa-za-ra* ‘to have time for sth’ (*za* ‘to reach’), *w-áxa-za-x-p'* ‘(no hurry), you (masc./hum) will have time’ (AbR 93)
**axrá*
— SAbx *á-řra* (Bz poss. *s-áx-ra//sə-řra*, indef.sg. *řra-k'*), Tap (GA 63) *ářra* ‘rock’
**axá*
— SAbx *á(-)řá*, indef.sg. (Bzp) *axá-k'* ‘chestnut’, Bzp *ř'a-rəca-k'* ‘one stone of chestnut’
**axž*
— SAbx *axž*, Tap *axž-la* postposition ‘to, in the direction of’, cf. SAbx *lara l-axž*, Tap (IX) *wəj l-axž-la* ‘to(ward) her’, Abzh *d-axž-gəla-z* ‘where (s)he was standing’, *az-axž* ‘to the water’
**axžž*
— Tap *axžž* ‘to cost’, *ř-som-k'* *j-axžž-p'* (RAb 484) ‘it costs 3 roubles’, poss. *j-axžž* ‘its price’ (RAb 456), but cf. Gum (IX) *j-a-z-řž-ja* ‘how much does it cost?'; ~ deriv. of **řə* ‘price, cost’
**ařž/a*
— SAbx *áa-ř'a-ra*, Tap (IX) *ář-ř'a-ra* ‘to be lazy, idle’, *řa-ř'a-rá* ‘laziness’ (-ř'a ‘to consider’), SAbx *ař-r-la*, Tap (a)*řá/ř-la(-ř'a)*,

- BzP *aá-r-la=psá-la*, Tap *aħá-la=psá-la* (RAb 127) 'hardly', IX
ħá-la=psá-la(-ħ'a), intens. *ħá-la=ħá-la-ħ'a*
- **āħa* — Tap *āħa* 'time, period, season', SAbx *āa-n*, Tap *āħa-n*, Ash (AD 14) *ħa-n* (Aps) 'then, at that time' (-n locative); Tap (GA 176) *s-āħa-n* '(at) my time', *j-āħa-b* 'it is time', *j-āħa-ħa-d* (GA 117) 'its time has come'
- **āħá* — SAbx *āa*, U 118: Bz *aā*, Ash (Aps) *āa*, Tap: Gum *āħa*, 2Ps *ayá*, AbR 32 *āħ*, RAb 433, GA 76 *ħá* 'leather strap'
- **āħá* — *'foundation': Abzh *aá*, Bz *aa-ħe* 'squared beam (of the gallery), M 10: 'threshold of the corridor' (*ħe* 'head'), cf. also Bz *āa-ħapəc*, Abzh *āa-ħapəc*, Tap *āħa-páč* 'molar, wisdom tooth' (*ħa-pá-c* 'tooth'), Bz (Zw) *āa-ħe-a-c* 'hair at the basement of the skull (on the back-side of the head")
- **a-ħa-qə-sə* — Bz *āaxəs* 'since then'; ~ *a deictic, *ħa 'time', *qə-sə 'to pass over'
- **āħa-č'á* — Abx *āač'á* 'belt made of goat skin from which the leather thread (straps) is made for sewing the raw leather shoes'
- **āħa-q°ħ-cə* — Bz (Zw) *āa-ħe-a-c* 'hair on the rear side of the head where it meets the neck'; ~ **āħá* 'foundation', **q°ħ-cə* 'hair'
- **āħá-(na-)da* — Bz: *āand(a)*, M 7: *aándezan*, Abzh *aándezda* 'fence; edge', TuAbx (DA V, 13) *ānda* 'près de', BatAbx *āanda/aándezan/aándezda* 'beside, by', Ash (AD 25) *āda//ħada* 'edge', (AD 53) *aáda-la* 'beside, by' Tap (Gum) *āħáda* 'at/by the side' (rare), *ħə/ada* (Ionova 1987: 21) 'edge', AbR 195 *ħəda* 'boundary (between the lands), furrow'; ~ **āħa* 'foundation'
- **āħə* — SAbx *āa*, U 118: Bz *aā* 'yew(-tree)'
- **āħə* — SAbx, Ash *aa-bá*, Tap *āħ-bá* 'eight'
- **āħə* — SAbx *āa-ra* 'guilt'
- **á-ħa* — SAbx *āa* 'here (it is)'; ~ deicticts **a*, **ħa*
- **āħ/ħá* — SAbx *āħa-rá*, Tap *āħa-rá* 'to hear', SAbx *jə-s-āħa-wá-jt'*, Tap (IX) *j-z[a]-ħə-j-d* "it-I-hear"
- **āħm/bəstá* — Bz *āaməšta*, indef.sing *aaməštá-k*', Abzh *āam(ə)sta* 'noble', Ash: AD 48 *āambəst* (Kuv), AAD: Aps *āmbəstá*, SKuv *āmbstá* 'noble, prince', Tap (GA 57) *āħm(ə)sta*, AAD: Gum *āħmstá//ħamstá* 'noble'
- **āħ°əsthá* — Bz *āj°(ə)staa* (Xu), *aj°əstaa* (Axu), *āj°əztaa* (Dzh) 'devil'
- **āħatá* — Bz *āħat*, Abzh *āħata*, Tap *ħatə* 'sack made of skin of animal for keeping liquids or food', AF 96: *ħata-k'/ħatə-k'*
- **āħə́/á* — SAbx *āħ*, indef.sg. *āħá-k'*, BzP *āħə́-k'*, Ash (AD 65) *āħá* 'prince', Tap (IX) *āħ*, indef.sg.: Ash (AD 53) *āħá-k'*, Tap *āħə́-k'/āħ-k'*; cf. SAbx in compounds: *aps-ħá* 'king of Abkhazia', *aps-č'-āħá* 'deity taking away the souls'
- **āħə́* — SAbx, Tap *āħə́* 'aha' (interj.)
- **á-ħ'a* — SAbx, Tap *āħ'a-ra* 'to ask, prey, beg'; ~ prev. **a*, **ħ'a* 'to say, tell'

- *áh°a — SAbx *áh°a*, indef.sg. (Bzp) *áh°á-k'*, Tap (IX) *áh°a*, indef.sg. *áh°a-k'* 'sabre'; in Ash (Kuv) also *ájh°a* (AD 12), which can point to CABx *ja-*h°a*
- *áh°a-s+pa — Bz *ah°ə-z+ba*; indef.sg *h°a-z+ba-k'* (AF 129), Abzh, Ash, Tap *ah°ə-s-pa//ah°aspə* (GA 86) 'knife'; ~ *áh°a 'sabre', *-s+pa diminutive suffix < *-sə 'id.', *pa 'son, child'
- *ah°-ta — SAbx (AB II: 300) *ah°+tá* 'hollow, glen, dell', *ah°+ta-* prev. 'behind sth/smb'; ~ *ah°ə 'back, behind, bottom', *-ta 'place of'
- *ah°ə — SAbx, Ash, Tap (GA 72) *ah°* 'back, ass', indef.sg. (Ash) *ah°ə-k'*; cf. *wəh°ə 'id.'
- *a-ma-ná — SAbx *amná* 'there'; ~ deictics *a, *ma, *na
- *a-má-na-t(ə) — Bz *amánt* 'those'; ~ *a-ma-na 'there', *-tə pl.
- *a-ma-ná-jə — SAbx *amnáj* 'that'; ~ *a-ma-na 'there', deictic *jə
- *ambəšta — Bz *ámp'əšta*, Abzh *ank'ap'əšta*, Ash, Tap *ambəšta* 'urinary bladder'; ~ < Geo *bušt-i* 'id.'
- *ámp'ələ — SAbx *ámp'əl* 'ball', poss. *s-ámp'əl* 'my ball'
- *ámħa — SAbx *ámaa*, Tap *ámħa* 'handle, grip', indef.sg. *ámħa-k'*; ~ deriv. of *ma 'hand', hence *a-ma-ħa
- *a-ná — SAbx *aná*, Tap *aná-?*a 'there' (-?a directional postposition); ~ deictics *a, *na
- *á-na-tə — SAbx, Ash *an-t* 'those, they'; ~ *a-ná, *-tə pl.
- *a-ná-tə — Tap (AD 67) *anát* 'those, they'; ~ *a-ná, *-tə pl.
- *á-na-śa — Bz *an-ś*, Abzh *an-s* 'thus, that way' (*-śa instr.)
- *a-ná-śa — Tap *aná-sa* 'thus, that way' (*-śa instr.); accentual var. of the preceding
- *ana/ə-ś-pá — Bz *a-nəšpá*, Abzh *á-našpa* 'bastard', LABx (AT 43) *á-nə-r-ś-pa-ra* 'coincidental cross-breeding', *a-ż° na/əšpa* 'half-breed cow'; ~ *ana 'mother', *pa 'son'
- *anə — SAbx, Ash *an*, indef.sg. *anə-k'*, Tap *anə* 'mother'
- *a-nə-j(ə) — SAbx, Tap *anəj* 'that'; ~ deictics *a-ná, *jə
- *an-bá — 'when' (rel. and interrog.): SAbx *j-an-bá*, Tap (IX) *j-an-bá-?*ə-w 'when?', also a prev. with the same meaning: SAbx *w-an-bá-ca-wa*, Tap (IX) *w-an-bá-c-wə-ś* 'when are you going?', ~ *an 'when', *ba interrog.
- *an-pśa — Bz (AF 115) *án-pśa*, U 79 *áanə-psa*, Abzh *án-psa*, Sam *ána-psa*, Ash (AD 220) *an-psa* 'step-mother'; ~ *anə 'mother', *pśa 'step'
- *án-q°a — Bz *án-χ°a*, Abzh *án-χ°a*, Ash, Tap (GA 82) *án-q°a* 'mother-in-law'; ~ *anə 'mother', *q°a 'crooked'
- *án-q°ə-pħa — Bz *án-χ°-pħa*, Abzh *án-χ°-pħa*, Ash *án-q°ə-pħa* 'sister-in-law'; ~ *án-q°a 'mother-in-law', *pħa 'daughter'
- *an-ħa — Ash (AD 72) *anaa//anħa* 'there, thither'; ~ comb. of deictics *aná, *ħa

- *an-šā — SAbx án-šā, Ash (AD 219) an-šā, Tap (Gum) an-šā 'uncle (mother's brother)'; ~ *anā 'mother', *aj-šā 'brother'
- *an-h°šā — Ash (AD 219) an-ħ°šā, Tap án-ħ°šā 'uncle (mother's sister)'; ~ *anā 'mother', *aj-ħ°šā 'sister'
- *a-rá — SAbx, Ash, Tap ará 'here'; ~ deictics *a, *ra
- *a-rá-t(ə) — SAbx, Ash art, Tap arát 'these'; ~ *a-rá 'here', *-tə pl.
- *a-rá-śa — Bz ar-ś, Abzh ars, Ash (AD 72) arsa//aras//ars, Tap ará-sa 'this way, thus'
- *a-ra-ħa — Ash (AD 72) araa 'here, hither'; ~ deictics *a-ra, *ħa
- *arā-ba — SAbx árba(-γ'), indef.sg. rba-γ'-k', Ash (AD 221) árba, Tap arāba, indef.sg. arāba-k' 'cock, rooster; male bird'; ~ *aba 'male'
- *aróma — SAbx, Tap árma 'left', poss. j-árma nap'ž 'his left hand', directional ármaraħ//arómarax 'to the left'; ~ prob. *arə-ma, with *ma 'hand'
- *a-rħ-jə — SAbx, Ash, Tap arħj 'this'; ~ deictics *a, *ra, *jə
- *a(rə)γ'a(-ma) — SAbx áry'a, Tap áy'ma 'the right (hand)'; ~ *ay'a 'good, right', *ma 'hand', i.e. 'the good, right hand'; -r- in SAbx may be due to analogy with árma 'left', for -ə cf. SAbx áry'arax//arəy'arax 'to the right', for -ma cf. SAbx arma-γ'érma 'upside-down', lit. 'to the left, to the right'
- *arpə — Bz árpə-ś//árpə-ś 'youth, young man', indef.sg. (DG 159; Nart 131) arpə-s-k', Bzp rpə-śa-k', pl. árpa-r(a); in DG 159 also in the meaning 'the time of youth': jəpac̥a <....> arpara nażanə ajvagəlan 'his sons, having reached the age of youth, stood by each other'; ~ *śə diminutive suf.
- *ard°ána — SAbx árd°əna 'black-bird', indef.sg. ard°ána-k' (DG 220); ~ *-na may be a dimin. suf.
- *argáma — SAbx argáma, Tap argám 'open, public, non-secrective'; ~ < Oss ærgom/ærgon 'face, façade, obvious, open'
- *arg°əc°ə-ś+ta — Bz (BD 51) á-rg°əc°əsta, Abzh á-rg°əc°əsta 'temple' (part of head); ~ *-ś+ta 'place of'
- *arcóna — Bz árcna, Abzh árcəna, poss. (Bzp) s-árcəna 'my hen', indef.sg. rćóna-k', Ash arcna, Tap (IX) arcóna 'hen; female bird', indef.sg. arcóna-k'; ~ *-na may be diminutive suf.
- *arx°ána — SAbx (AB I: 87) árx°əna 'thrush', indef.sg. (Bzp) rx°əna-k', poss. s-árx°əna 'my thrush'; ~ *-na may be a dimin. suf. (cf. *ard°ána, *arcóna)
- *alə — SAbx ál(-c'la), Bzp indef.sg. l-k'ð//lá-k', Ash al-t'a, Tap al-č°ð, IX al-č'ð, indef.sg. al-č'ð-k' 'alder(-tree)'; Tap č'ə < *t"ə attrib. suff.
- *a-wa — Tap (GA 102) awa 'that'; ~ deictics *a, *wa
- *a-wá-t(ə) — Ash (AD 59, 63) awat//awát, Tap awát 'those, they'; ~ deictic *a-wá, pl. *-tə

- **a-wá-qa* — Bz *awáxa*, Abzh *awáxa*, Ash (AD 39), Tap (GA 173) *áwaq* ‘that night’; ~ deictic **a-wá*, **aqá* ‘night’
- **a-wá-q'a* — Ash (AD 86) *awaq'a*, Tap *awá?a* ‘there’; cf. **wá-q'a*
- **a-wá-śa* — Ash *awas//awəs(a)*, Tap *awás(a)* ‘thus, this way’; ~ deictic **a-wá*, **śa* instr.
- **a-wá-r-t(ə)* — Ash (AD 45, 70) *awárt//awárt* ‘they’; ~ deictics **a-wá*, **ra*, pl. **-tə*
- **awá* — SAbx *aw*, indef.sg. *awá-k'*, Tap *awá*, indef.sg. *awá-k'* ‘long’
- **awá* — SAbx, Tap *aw-rá*, Bzp also *aj-áw-ra* ‘to get, obtain, manage, agree’, ‘to ripe (of fruit)’, Tap (RAb 160) *j-aw-ra* ‘to ripe’, AbR 24: *a+ba-j+aw-ra* ‘to find, meet each other’ (*a+ba* reciprocity); SAbx also ‘to go (of rain, snow)’; ‘harvest’
- **awá-ráx°a* — Abzh *awarax°* ‘striped’; cf. **aj-ráx°a*
- **a-wá-jə* — Ash (AD 90), Tap *awáj* ‘this, it, (s)he’; ~ deictics **a*, **wa*, **jə*
- **aja/ə-ć°á* — SAbx *ája-ć°a* ‘green; blue’, Ash *aj-ć°a* ‘green’; ~ **aja/ə* may be connected with SAbx *ajá-ra* (cf. Shakryl 1961: 111), Tap *ħa-jə-ra* ‘plant, vegetation’
- **aja* — SAbx *aja* (Amichba 1992, 190) ‘pallid, dim, wan (colour)’ (arch.)
- **ája* — SAbx *ája* ‘burden, load’ (rare), Bz *áj-da-ra*, indef.sg. *aj-dá-ra-k'*, poss. *s-ája-da-ra*, cf. also Bz (BD 141) *ájdra*, *ajádra*, Abzh *ajdára* (BD 141), *ájdara* (Arsh 59, AB I: 41) ‘id’ (**da* ‘to carry’); ~ **aja* may be a deriv. of **ja* ‘to lie’
- **a(ja)ħ°á/á* — Bz *á-jah°*, Abzh *á-jah°a* ‘wooden trough in which they press the juice out of grapes’, ‘mill-trough’, Tap (AO) *ah°* ‘wooden trough’, indef.sg. *ah°á-k'*
- **áj(-áj)* — Bz *aj*, *aáj//(<)ajáj*, Abzh *ajáj*, TuBz *aj-áw* ‘yes’
- **ajəba* — Bz (U 120) *áajba*, indef.sg. *ajbá-k'*, BD 226 *ajbá*, Abzh (AB I: 36) *ájba*, Tap (IX) *jəba*, indef.sg. *jəba-k'* ‘orphan’, in SAbx also ‘widow’
- **ajəš°a* — Bz (Xu, Kld-M 12) *ájš°(a)*, (Bl, Bzp) *ajəš°a*, indef.sg. (Xu) *ejš°á-k'*, (Bzp) *jəš°a-k'*, Abzh *ájš°a*, Ash (SKuv) *ájš°a*, Tap (AbR 48) *ajš°á*, 1Gum *ajšá*, IX *ájša*, indef.sg. *ajšá-k'*, 1Ps *ajš°á*, Koj *ajšá*, 2Ps *ájša* ‘low little three-legged round table’
- **ajə-wa* — Bz *ajə-wa*, Abzh *áj-wa* ‘part of sth, example, similar, like’; ~ **ajə-* reciprocal prefix, **wa* ‘similar’
- **aj-ba-gá* — SAbx *ajbga*, Tap *abgá* ‘whole, undamaged’; ~ **aj+ba* ‘together’, **ga* ‘to take, carry’; SAbx also *ájbaga* ‘dexterous, agile’
- **aj-pšə* — SAbx *ajpš*, Ash *ajpš-nə* ‘like, as, similar’; ~ **aj-* ‘together’, **pšə* ‘to look’
- **ajta* — SAbx *ajta*, Tap (RAb 290) *jata-r-k°a-č* ‘again’, Tap (RAb 313) *jata-n-k'-ra* ‘to translate’, (GA 171) *atá-r-aš°a-ra* ‘to weed once more’
- **aj-g()-zá* — Bz *áj-g-za-ra*, Tap (AbR 45) *aj-g'-za-ra* ‘to spare; be stingy’

- **ajg°á* — SAbx *aa-jg°á* '(in the) nearby', 'recently', *áa-jg°a* 'close relation', *áa-jg°a-ra* 'to approach', Ash (AD 220) *ajg°a* 'husband's family in relation to the daughter-in-law', Tap (IX) *ajg°á* 'friend, comrade', 'father of daughter-in-law (in relation to the husband's relatives)', *s-ajg°a* 'my friend', *ajg°a-ra* 'friendship, acquaintance; kinship (between the daughter-in-law's father and the relatives of her husband)', *ajg°a-rá* 'to visit as a guest', cf. also Tap (AbR 82) *arg°aná* 'close(by)'
- **aj-g°áš°ə* — SAbx *ajg°áš°*, Tap *g°áš°* 'small axe'
- **ajk°á* — SAbx *ájk°a*, indef.sg. *ajk°á-k'*, Tap (IX) *ajk°á* 'trousers', def. *ájk°a*, indef.sg. *ajk°á-k'*
- **ajk°á* — SAbx *ájk°a* 'dark(-coloured)', *ájk°a-c°a* 'black', Ash *k°aj-c°a*, Tap *k°aj-c°á* 'black', but cf. *d-h°-ajk°a-p'* '(s)he is dark-skinned'
- **aj-k°áya* — Bz *ajk°áy(a)*, Abzh *ajk°áya*, Ash (Aps), Tap *k°áya* 'small axe'
- **ajžá* — Bz *áža*, indef.sg. Bzp *áža-k'//ža-k'*, another Bzp informant: *azá-k'*, Tap *ajžá* 'raw, fresh, unripe, young', indef.sg. *ajžá-k'*
- **ajćá* — Bz *ájća-k'-ra* 'to distort' (*k'* 'take, keep, grab'), *ajćá-q'a* 'crooked', *ajćá-pa* 'distorted', Tap *acá-k'-ra* 'to change worse', *acá-pa* 'distorted, crooked', *acá-pa-ra* 'to turn (back, aside)'
- **aj-žə* — Tap (AbR 46) *ajžə* 'wrinkled', Sabx *a-č-r-ajž'-ra*, Tap *č-r-ajž'-ra* 'to contract' (*č-* reflexive, *r-* causative); ~ **aj-* reciprocal
- **aj-ža-da* — Bz *ajžada* 'direct, honest', 'integral'
- **aj-ž-aq'a* — Bz *aj-ž-aq'a-ra*, Tap (AbR 42) *a-z-aʔa-š'a* 'interrelationship'
- **aj-žə-za* — Bz *áj-ža-ra*, Abzh *áj-za-ra*, Fer (Kilba 22) *áj-z/ža-ra*, Ash (Aps) *áj-z-za-ra*, Tap *aj-z-za-ra* 'to gather together', 'meeting'
- **ajšá* — SAbx *áša*, Bzp indef.sg. (*a*)*šá-k'*, Ash, Tap *ajšá* 'bitter'
- **aj-šá* — SAbx *ájaš'a*, indef.sg. *ejšá-k'*, Sam *ajšá*, Tap *ašá* 'brother'; ~ **aj-* reciprocal prefix, **šá* 'blood', same structure as in Ub *žə-λa* 'brother'
- **áj-γ'a* — SAbx *aj-γ'*, Tap *ay'* 'the better one', 'excellent', cf. also SAbx *aj-γ'a-š'a-ra*, Tap *áy'a-š'a-ra* 'to prefer' (lit. 'to consider as the better one'), *áry'a* 'right'; cf. **a(rə)γ'a*
- **ajžá* — SAbx *ajžá* 'iron; axe', 'bit (of horse)', indef.sg. *ajžá-k'*, Ash (Aps) *ájža* 'iron', Tap *ajžá* 'iron; metal', indef.sg. *ajžá-k'*
- **aj-há-jə* — SAbx *aj-áa-j-ra*, Tap (IX) *aj-há-j-ra* 'to win', 'victory'; ~ **aj-* reciprocal prefix, **há-jə* 'to come hither'
- **aj-h°-šá* — SAbx: *á-jaħ°š'a*, indef.sg. *jah°šá-k'*, U 120 *aah°šá//ajeħ°šá*, TuAbx *aħšá*, Fer (Sam) *aħ°šá*, Sa *aħšá*, Tap *aħšá* 'sister'; ~ **aj-* reciprocal prefix, **šá* 'blood', *-ħ°-* adds the meaning 'feminine' (cf. **aj-šá*). In Tap, TuAbx and Sa **ħ°* was delabialized and turned into *ħ*, and in TuAbx this latter was further palatalised under the influence of *-š'*

- **aj-ma-k'* — SAbx *aj+ma-k'-ra*, Ash (AD 49) *aj+ma-k'ə-ra* 'argument, quarrel'
- **aj-mə-dá* — SAbx *áj+m-da-ra*, Ash *ħa-j+m-da-ra* 'to go somewhere', Ash (AD 14) *aj+məz-da-jt'* 'I went over' (SAbx *s-aj+m-dá-jt'*)
- **aj-msá* — SAbx *ájmsa-ra*, Tap *amsa-rá* 'to sneeze'
- **ajmsə* — SAbx *ajmsə*, indef.sg. *ajmsə-k'*, Tap *amsə*, indef.sg. *amsə-k'* 'felt boots'
- **aj-mx̥ə* — Bz *ajmx̥ə-c*, Abzh *ájmx̥ə-c* (c 'one'), Tap *mx̥ə* 'beads', GA 43: *məx̥əx̥ə*
- **ajmħá* — SAbx (AB I: 58) *ájmaa//ajmaá*, indef.sg. *ejmaá-k'*, Tap *amħá*, indef.sg. *amħá-k'* 'shoes'
- **aj-mħ'á* — SAbx *ajmħ'á*, Tap *amħ'á* 'cough'
- **aj+la-ʒ'* — SAbx *áj+la-ʒ'* 'corn pap prepared with fresh cheese'; ~ **aj+la-* prev. 'in the mass', **ʒ'* 'to bake'
- **aj+lə-k'-ħa* — SAbx *áj+l-k'aa-ra* 'to understand', *aj-lə-s-k'-aa-wa-jt'* 'I understand'; ~ **aj+lə-* prev 'from the mass', **k'* 'to hold, seize', **ħa* VRE
- **aj-rəx̥ə* — SAbx (AB I: 282) *á-jarəx̥* 'speckled', BD 223: Bz *ajrəx̥* 'striped'; cf. Tap (IX) *rəx̥* 'motley (of colours)'

2. **b*

- **ba* — SAbx *ba* interrog. particle used in echo-questions, cf. *d-aá-j-t'* 'he came' — *d-aá-jt'* *ba?* 'did he?//are you saying that he has come?'
- **ba* — Bz *bá(a)*, Abzh *báa*, Ash, Tap *ba* 'kiss' (SBL); *aa* in SAbx is often used to mark the baby words
- **ba* — SAbx *a-ba-rá*, Tap *ba-rá* 'to see'
- **ba* — SAbx *a-ba-rá*, Tap *a-ba-rá* (GA 64)//*bá-ħ-ra* 'to dry up', Tap *ba-ħ* (-ħ- 'again'), *ba-p'* 'dry'
- **bába* — SAbx, Ahch *bába* 'daddy' (SBL), Ash (AD 219) *bəba* 'mommy'
- **bába* — SAbx *a-bába*, Ash, Tap *bába* 'downy, fluffy, shaggy'
- **bagá* — SAbx *á-bga* 'wolf; fox', Tsab *á-baga* 'wolf', Ash, Tap *bagá* 'fox'
- **baq'* — SAbx *a-baq'* 'resilient, hard; thick, dense'
- **báža* — Bz *a-báž*, Abzh *a-bažá* (Dzhg-M 4), *a-báža* (Adz-M 24), Tap (Gum) *báža* 'mustard (plant)'
- **bažə* — cf. **k°ə-bažə*
- **báča* — Bz *a-báč*, Abzh *a-báca*, indef.sg. *báca-k'*, Ash (*a*)-*báca//bacá*, Tap *bacá* 'twig, switch, rod (for wattling, weaving)'
- **báča-q'* — Bz *a-báčaq'*, TuBz *a-báčq'*, Ash (SKuv) *báčq'*, Aps, Tap *báčq'*//*bacq'* 'wattle'; ~ **báča* 'twig for wattling', **q'* 'flat'
- **básta* — SAbx *a-básta*, Ash (Aps) *bastá//básta*, Tap *bastá* 'hominy, thick millet or maize pap traditionally used as bread', in SAbx also 'millet'

- **b-ážə* — SAbx *a-báz* ‘rotten log’; ~ **azə* ‘old’
- **báša* — SAbx *a-báša* ‘simple, usual’; *báša//baša-máša* ‘in vain, for nothing’ (redupl.), Ash (SKuv) *báša* ‘in vain; for nothing’, Tap *baša-máša* ‘simply; for nothing’
- **bay(°)-c'a-msá* — Bz: Esh *a-bayč'əmsá*, Axu *a-bayč'ləmsá*, M 23 *a-bay°č'lamsá*, Abzh (Dzhg) *a-bəyč'lamsá* ‘propolis’; ~ -*l-* must be epenthetic, *c'* < *c'a* ‘honey’, or ‘skin’
- **bayáč'a* — Bz *bayáč'a* ‘shortish, not grown up’
- **bay'á* — SAbx *a-bay'á* ‘thick, dense, solid, strong’, Tap *bay'á* ‘hard, solid, strong; stingy (of men)’
- **ba(-rá)* — SAbx, Tap *ba-rá* ‘you (fem/hum)’
- **bar-bár* — SAbx *a-barbár-ra* ‘(to) chatter, jabber; babble’; ~ redupl., onomat.
- **barg°ž* — Bz *jə-sá-barg°ž-zə-j* ‘what more shall I wish!’ (lit. ‘is it a difficulty for me?’), Abzh (Tx) *jə-barg°ž-m* ‘it is not difficult’, Ash, Tap *barg°ž* ‘difficult, hard’
- **barc'a* — SAbx *a-bárc'a* ‘verandah, balcony at the front of the house’; ~ may be a compound of **ba* ‘roof’, and **c'a* ‘bottom’, with connective *-r-*
- **balž-bata* — SAbx *a-balžbata-ra* ‘to move with uncertainty’
- **báwra* — SAbx *a-báwra*, indef.sg. *bawrá-k'* (M 24), *báwra-k'* (Bzp), Sa *a-bóra*, Tap *báwra*, indef.sg. *báwra-k'* ‘cattle-shed, cow-house’, Tap also ‘barn’
- **ba* — cf. **qə-bə*
- **bəbəž* — Bz *á-b(ə)b*, indef.sg. (Lyx-M 25) *bbə-k'*, Abzh (Adz) *á-bab* ‘dust’, *a-bəbəž-c* ‘speck of dust’ (-*c* ‘one’), *a-bəbəž-š* ‘snow-white’, lit. ‘dust-white’ (-*š* ‘white’), Tap (GA 45) *á-bəb* ‘dust’; as a verbal stem: SAbx *a-t-bəb-rá//a-tə-bb-rá*, Tap *tə-bb-rá* ‘to pour out (about puffs of smoke)’, Tap *bb-ra* ‘to wreath, roll (of smoke, dust)’; ~ may be an apophonic variant of **baba*
- **bəbəž* — SAbx *a-bb-rá*, AB I: 111, Bzp *á-bəb-ra*, Tap *bb-ra*, GA 89: *bəb-rá* ‘to roar, bellow (e.g. of bull)’; ~ onomat.
- **báťə* — SAbx *a-báť°*, Tap (GA 49) *a-la-báč°* ‘shaggy-haired, dishevelled’
- **bəq°ž* — Bz *á-bax̥*, indef.sg. *baž°ž-k'*, Abzh *á-bax̥°*, Ash (Kuv) *á-bəq°* (AD 98), Tap *bq°ə* ‘rock’, def. (CS 85) *a-bəq°*, IX *á-bq°*, indef.sg. *bq°ə-k'*
- **b(ə)q"əl* — Bz *a-baq"əl*, Abzh *a-bq"əl* ‘wooden tub used for keeping yoghurt or salted cheese’, ‘nave of the wheel for inserting axle’, Ash (Aps) *bq"əl//pq"əl* ‘wooden tub used for keeping pickles’, (SKuv) *pq"əl*, ‘barrel, cask’, Ash (Aps), Tap *bq"əl* ‘nave of the wheel of the chart’, GA 46 *p'q"əl* ‘barrel, tub’; < ?, cf. Megr *buq'un-i*, Sv *buq'u* ‘wooden tub’ (BD 132)
- **bəc'ž* — Bz (BB) *a-r-bc'-rá*, Abzh *a-r-bəc'-rá*, Tap: AbR 317 *r-bc'-rá*, IX *r-pc'-rá*, Tabulova 1984: 50 *r-p'c'-ra* ‘to crumble, crumple, rumple (e.g. cheese, pap)’; cf. **bč'a* ‘to reap, crop’ (?)

- **bəzə* — SAbx *a-bz*, indef.sg. *bza-k'*//*bəz-k'á*, Ash (AD 218) *á-bəz*, Tap (IX) *bza*, def. *á-bəz*, indef.sg. *bza-k'* 'tongue (anat.)', SAbx *a-r-bza-ra*, Tap *r-bza-rá* 'to lick'
- **bəz-bəzə* — Bz *a-bəzbəza-ra*//BB *a-bəz-bəz-rá*, AB I: 112 *á-bəzbəz-ra* 'to have a feeling of burning, itching'; ~ redupl.
- **bəz-a(r)-jə* — Bz *a-bzáj*, Abzh *a-bza(r)já* 'news, rumour; praise'; **bəzə* 'tongue', **jə* 'news', -*r-* connective; presence of *-a-* is not clear
- **bəz-š'á* — SAbx, Ash *a-bəzš'á*, Tap *bəzš'á* 'language'; ~ **bəzə* 'tongue', **š'a* ?
- **bəzə(-bəzə)* — Bz (Garp, BB) *a-báz-ra*//*a-bəzbəz'-ra* 'to say lies'
- **bəzə* — Bz *a-bžə-ba* (Lyx-M 26), *a-bžə* (Ach), *a-p'azž* (Zw), *a-p'əžə* (Bzp), *a-p'žə* (AB I: 16), Abzh *a-bžə*, Tap *bəžbəž* 'bittle'; ~ onomat., redupl. in Tap
- **bəžə* — Bz (Dzh) *d-bəž'-za* 'plump (of an infant)' (-*za* adverbial suf.)
- **bəž'-g'álá-jə* — SAbx *a-baž'g'áláj-ra*//*a-baž'g'alam-ra*, Ahch *a-bəž'g'álaj-ra* 'the uncertain staggering walk of the child just started to walk', AB I: 93 'to be hardly able to move or do sth'; ~ **bəžə* 'plump (of an infant)', **g'ala* 'to swing', *-*jə* suffix
- **bəyə* — SAbx *a-bəy-rá*, Tap: AbR 116 *bγ-ra*, IX *bəy-rá* 'to scratch, itch'
- **bəy'á* — SAbx *a-bγ'á*, pl. *a-bəy'-k'á*, Sa *a-bay'á*, Tap *bγ'á*, def. *a-bγ'á* (IX) 'leaf', in compound: *a-bəy' f'í a-k'á* (AbR 116) 'the dry leaves'
- **bəñ'á* — Bz *á-baj°*//*á-bj°a*, pl.: Dzh, AF 57 *á-baj°-k'á*, Bl *á-bəj°-k'á*, indef.sg.: U 124 *baj°-k'á*, Bl, Bzp, Dzh *bj°a-k'*, Abzh *á-bj°a*, indef.sg. *bj°a-k'* 'bone'; for **bə-* see also Bz: BD 103 *a-bəj°-xá-t"-ra*, Abzh: Dzhg *a-bəj°-xá-t"-ra* 'talent, intelligence', *a-bəj°-la-šá* 'marrow', Ash *bñ'á*, AAL 28 *bañ'á*, AD 14 *á-baj°*, Tap *bñ'á*, def.pl. (CS 84) *á-bəñ°-k'á*, indef.pl. *bñ'á-k'á-k'á* (IX), in compounds: (AbR 116) *bəñ°-g'ára*, IX *bñ'á-g'ára* 'fence made of bones', (AbR 116) *bəñ° k'ánc*', IX *bñ'á k'ánc*' 'marrow', *qá-bəñ°* 'skull' (*qa* 'head')
- **bəñ°-s-šá*//*bəñ°-la-šá* — Bz *abaj°-šá* (BD 174), *a-baj°-lašá* (A 62), Abzh *a-baj°-lašá* (A 62), Ku *a-baj°-lašá*, Dzhg *a-baj°-lašá*, M 154 (Bed, Gup, Och) *a-baj°-lašá*, Tap *bəñ°-lašá* 'marrow'; ~ either **bəñ°-a* 'bone', **sšá* 'fat', with epenthetic *-l(a)-* (cp. **s'-a-qá-mšá*), or **bəñ°-a* 'bone', **la-šá* 'light', i.e. 'the light of the bone'; it may be as well a contamination of **sšá* 'fat' and **la-šá* 'light'
- **bəñ°-ñ'á* — SAbx *a-baj°-ñ'á* 'to bellow (of bulls, cows)', Tap: Gum *bəñ°-ñ'á*, AbR 123 *bəñ°-ñ'* 'description of bull's or cow's bellow'; ~ onomat.
- **bəná* — Bz, Abzh *á-bna*, Sa *á-bana*, Ash, Tap *bna* 'forest, wood'
- **bər-bər* — Abzh *d-bər-bər-wa* 'he grumbling', Tap *bər-bér-h'a* (adv.) 'growling, grumbling'; ~ onomat., a var. of **bar-bar*
- **bərc'k'/q'al* — Bz (BD 102) *a-bərsk'al*//*a-bərc(')k'al* 'split log for stretching the belts', Tap (AbR 122) *brusq'al* 'instrument for taking off the flesh'

- from hide and for stretching animal's skin'
- **bər(tə)* — SAbx *á-bər-ra* 'to stagger, reel; to be confused, bewildered', Tap *bərt-rá* 'to stagger, reel'
 - **bərgə* — SAbx *a-bárg* 'elderly, old man', cf. also in compounds: *a-c'á-bərg* 'truth', SAbx, Tap *bərg* 'the very': *jará-bərg* '(it is) him', Tap *jə-nap'-bərg* 'his own hand', etc
 - **bələ* — SAbx *a-bəl-rá*, Tap *bəl-rá* 'to burn, put into fire', SAbx *a-bəl-t"š*, Ash (AD 8) *a-bəl-t'á* 'firewood', Tap *blábal* '(very) hot' (redupl.), *blábal-ra* 'to be (very) hot; to burn (of a burn)', Bz, Tap (IX) *a-blá-ra* 'the place of burn, fire'
 - **bələg'a* — SAbx *a-bəlg'a-ra*, Ash: NKuv *blág'a-ra//bəlg'a-ra*, Aps *blág'a-ra*, Tap *blág'a-ra* 'to roll (from one side to another)'; ~ may be a compound of **bələ* plus **g'a*, cf. *á-g'áž'-ra* 'to go in circles', *á-g'ág'a* 'round' (?)
 - **bəl-bəl* — Tap (IX) *bəl-bəl-ra* 'to chatter'; ~ onomat.
 - **bga* — SAbx *a-bga-rá*, Bz (BD 151) *a-p'ga-ra*, Tap *bga-ra* 'to fall in/on, crash down, collapse', SAbx also 'abortion', Tap also 'to rush, dash, dart somewhere'
 - **bč'a* — Bz *a-bč'a-rá*, Abzh *a-bč'a-rá* 'to reap, crop'
 - **bč'ə* — Bz (BB) *a-bč'š* 'a part in weaver's loom (by which the thread is made)'
 - **bč'ə* — SAbx *a-bč'š*, Lyx *a-p'č'š*, Ash (Aps) *bč'š//p'č'š*, Tap (AbR 123) *bč'ə*, Gum *p'č'š* 'measles'; cf. Ub *bəč'ə* 'scarlet fever, smallpox, measles' < SAbx (Chirikba 1986a: 115)
 - **bza* — SAbx *a-bzá*, Tap *bza* 'alive', SAbx *a-bzá-za-ra*, Tap *bzá-za-ra* 'life'
 - **bza* — SAbx *a-r-bza-rá*, Tap *r-bza-rá* 'to lick'; a deriv. of **bəzə* 'tongue' with the caus. *-r-*
 - **bza* — SAbx *áj-lə-bza-(*)a-a-ra* 'to shine, glitter'
 - **bzaməq"ə* — Bz: Bl-M 26 *a-bzaməq"*, Axu *á-bzaməq"*, Abzh *á-bzaməq"* 'fool', M 26 also 'deaf', Tap *bzaməq"* 'having bad knowledge of the foreign language', 'dumb', 'unable of speaking'; ~ < CCirc **bza-mə-q"ə* 'deaf; speaking a foreign language'
 - **bza-na-č'š* — Bz: BD 197 *bzanač'á*, Dzh *bzanč'š*, Abzh (AB 1, 104) *bzanc'š* 'never'; ~ **bza* 'alive', **na-č'ə* (**na* 'there', **č'ə* 'to pass of time') 'till'
 - **bza-laša* — Bz *a-bzálaš(ə)*, Abzh (AB I: 104) *a-bzalasá* 'sheep wool of the shearing'; ~ **bza* 'alive', **laša* 'wool'
 - **bzarč-bzara* — SAbx *a-bzarčbzara* 'to shine, play (of colours)'; ~ redupl.
 - **bza-wə* — Abzh *a-bzaw-rá* 'merit; thanks to'; ~ for **bza* cf. **bzəja*, **wə* 'to make, do'
 - **bzəja* — SAbx *a-bzəja*, Ash *bzəja*, Tap *bzəj* 'good'
 - **bəzə-r-ga* — Bz (Zw, Xw) *a-bzərga-ra* 'to put off (by too much praise)', 'to say exorcism'; ~ **bəzə* 'tongue', *r-* caus., **ga* 'to carry'

- **bža* — SAbx *á-bža*, Tap *bža* 'half'
- *(*b*)*žah°á* — Bz *a-bžah°a-rá*, Abzh (AB I: 226) *á-žah°a-ra*, Tap *žah°a-rá* 'to ruminate', Abzh *a-žah°á*, Tap *žah°a* 'cud, chew'; ~ Bgazhba considers *bža-* a prev. meaning 'half' (see above), not giving, however, the etymology for the second part (BD 172)
- **bžá* — SAbx *a-bžá-ra*, Tap *bžá(-ra)* '(distance or place) between (sth/smb)', also 'ravine, gorge'; in all d-ts also a prev. with the same meaning; in Tap in the last function may also have a full grade form: *bəž'-ž'a-ra* (IX *bəž'-ža-rá*) 'to tear sth out (from between)' (cf. SAbx *a-bž'-ž'a-rá*), *bəž'-pš-rá* 'to look through a slot' (AbR 123-124)
- **bžá* — SAbx *a-bžá-rá*, Tap *bžá-rá* 'to tame, domesticate; educate; subdue, curb'; Tap also 'to instruct, lecture', which in SAbx is rendered by a derivative *á-bžá-ra* with the prev. *á-* (cf. *á-pxá-ra* 'to read sth', *á-h°a-ra* 'to ask sth', etc)
- **bžás* — Bz *a-bžás* 'lynx; tiger; leopard', Lyx-M 27 also 'bird of prey', Abzh *a-bžás* 'tiger', Tap *bžas* 'falcon; hawk'; ~ prob. **bžá* 'between', *sá* 'to beat, strike'
- **bžá-ha-p-nə* — SAbx *a-bžáapnə*, Tap (GA 62) *a-bžáhpnə* 'usually', in SAbx also 'in the meantime'; ~ **bžá* 'between', **ha* 'time', *-p-nə* < **pə-nə* 'in, at'
- **bžáw-bžák'ə* — Abzh (Bed, Gup-M 154) *a-bžáwbžák'* 'hoopoe', RA 587 *a-bžáwbžák'*
- **bžá* — SAbx *b(a)ž'-bá* 'seven', *bžə-n-t'* 'seven times', *bəž'-čə-k'* 'seven horses', Ash *bəž'-ba*, Tap: AbR 123 *bəž'-bá*, RAb 451 *bž'-ba* 'seven'
- **bžə* — SAbx, Ash *a-bžə*, Tap *bžə* 'voice, sound; noise', Tap *bəž'-š'-t'ə-x'* 'high voice', *bəž'-š'-t'a-k'* 'low voice'
- **bžə* — Bz *a-bžá-s*, Abzh *a-bžə-s* 'spoiled, corrupted; foolish', AB I: 104 *a-bžə-χ-ra* 'to corrupt, spoil, deprave', cf. also Abzh (AB II: 210) *a-xá-bž'* 'scabby, mangy' (*xa* 'head'), Ash (AD 52) *a-qa-bžə*, Tap (IX) *qá-bəž'* 'bald' (*qa* 'head'); in BD 38 the Bz form is *a-bžás*, but BB does not confirm the final *-s*
- **bžənc'ə* — Bz: ADA (Dzh, Xw) *á-bžənc'*, BD 50 *á-bžənc'*, Abzh *á-bžənc'*, Tap (Gum) *bžənc'ə* 'rhododendron yellow, *Rhododendron luteum*', AB I: 103: 'azalea', AB I: 104: *a-bžənc'-ra* 'azalea grove'
- **b̥ya* — Bz (BD 266) *a-b̥ya-ra* 'prayer; to damn, curse'
- **b̥ya* — SAbx, Ash *á-b̥ya*, Tap *b̥ya* '(small of the) back', 'backbone', 'waist'
- **b̥ya* — 'mountain (ridge)'; in SAbx preserved in compounds: *a-b̥yá-(*)b* 'aurochs', etym. 'the mountainous male-goat' (cf. also Zw *a-b̥yáz'* 'mountainous goat'), *a-b̥yá-ž'ma* 'the mountainous female-goat', Kld *a-b̥yə-š̥xa* 'the wild bee living in the rocks', SAbx *a-b̥yá-nč'* 'road'

- metal', etym. 'small particle (*č'ə*) of rock', with inorganic *-n-*; in some set expressions: Och *á-byá c'əsá-jt'* 'stone-fall', 'land-slide from the mountain', Bz (Bzp, Tx) *a-byá-rá* 'mountainous region', Esh *a-byá-r-ra* 'gulf, abyss'; also as a preverb '(on/from the) mountain, hill': SAbx *a-byá-la-ra*, Tap (IX) *byá-l-ra* 'to slide, fall, descend from the mountain, hill', Tap *byá-blágá-ra* 'to roll, slide from a mountain, from above', *byá-s'a-rá* 'to fall from the hight',
- SAbx *a-byaya-rá* 'to reel, stagger', Tap *byabya-rá* 'to trot (of horse)'; ~ redupl., onomat.; SAbx lost *-b-* in the second syllable
 - **byá-za* — Bz (BD 231) *a-byáza* 'lasso' (milit.); ~ **bya* 'back', *-za 'attached to'
 - **by-ažə* — SAbx *á-byaz̥* 'scab (on a wound)'; **ažə* 'old'
 - **byəč'ə* — SAbx (AK 74) *á-byəč'-ra* 'to scratch, pinch' (lab.)
 - **by'at(')a* — SAbx: AB I: 99 *a-by'at'-ra*, AK 74 *a-by'áta-ra*, Esh *a-by'at'-ra*, Ash, Tap *by'at'a-rá* 'to shovel (of hen, or like a hen)'; ~ -*t'a* may be connected with **t'a* 'to ladle out', thus CAbx **by'á-t'a*
 - **by'ž-žə* — SAbx *a-džə+l-by'ž(-aa)-ra* 'to roll, pour outside'; ~ **žə* 'to tear off'
 - **by'ə-ha* — Bz *á-by'aa(-h̥a)*, Abzh: Tx *á-by'aa-h̥a*, Ku *a-by'áá-h̥a* 'swiftly, instantaneously', Dzh, Esh *də-by'áa-bý'aa-wa* '(s)he very quickly, immediately'; does the Bz (Zw) *jə-by'aa-wá* 'staggering (of step)' belongs here?; ~ **by'ə* same as in the preceding item
 - **b-ha* — Bz (Kld-BD 118) *á-baa-ra*, Ash (AD 14) *baa-s-ra* 'to come down, descend'; ~ prob. a combination of **bV*, akin to CCirc **ba* 'den of animal/footprint', **ba* in Bzh *jă-bă-*, Kab *q'-ăj-bă-* 'to slant, incline, heel over, bow' (PC 11), and **ha* 'to come' (-*s-* in Ash < **sə-* 'to pass')
 - **bħa-ʒa* — SAbx *a-baaʒá*, Tap *bħaʒá* 'wet, watery'; ~ **bħa* 'rotten', *-ʒa suf. of intensity
 - *(*b*)*ħ̥a* — SAbx *a-bj̥á* '(red) copper', Ash (RAb 223) *ħ̥a-t'a* (-*t'a* attrib. suff.), Tap *ħ̥a* 'copper'
 - **bħ̥a* — see **pħ̥a*
 - **bra* — Bz *á-bra* 'mane (of a horse)', *a-brá-š* 'tow-haired' (-*š* 'white'), Tap *bra* 'plait, braid', 'hair' (arch.), *qa-brá* 'hair' (*qa* 'head')
 - **b(r)ac* — Bz *a-báč'//a-báč'//a-bráč'*, indef.sg. *brač'-k'*, Abzh *a-báč'* 'medlar' (*Mespilus germanica*)
 - **bla* — SAbx *á-bla* 'eye' (anat., bot., techn.), M 26: also 'loop', 'frame of the window'(?); 'socket of the axe', AB I: 107: 'butt, back (of the axe)', indef.sg. (U 83) *bla-k'ə*, Ash (AAL 27) *bla* eye', Tap (AbR 29) *ábla* 'butt, back (of the axe)', but poss. (AbR 29) *jə-bla*, which can witness that the initial *a-* in AbR 27 does not belong to the root (otherwise we could have had **j-abla*); a deriv. from **la* 'eye',

but the initial *b*- is not clear (from **ba* 'to see'?). In SAbx **bla* can have a variant *bəl-*, cf. *a-bla-xá-c'//a-bəl-xá-c'* 'giddiness, dizziness'; in Abzh a form *a-bá-bla* 'eye' also occurs. The only word for 'eye' (anat.) is *la* in Tap and *á-la-k°a* in Sa (in the latter the plural suf. became a part of the stem, the word expressing the idea of dualis, whence Sa *á-la-k°a-k°a* 'eyes')

- **blak'a* — SAbx (AB I: 107) *á-blak'a-ra* 'to lap'
- **bla-q'a* — SAbx *á-blaq'a-ra* 'to stagger, shake', 'to fall'; 'to be bewildered'; **bla* 'eye' (?), **q'a* 'to beat, strike'

3. **p*

- **pa* — SAbx *a-pá*, Tap *pa* 'son'
- **pa* — Tap *pa* 'chaff'
- **pa* — SAbx *á-pa-ra*, Tap *pa-rá* 'to jump'
- **pa* — 'to crack': SAbx (AB I: 50) *áj+q"-pa-ra*, Tap (AbR 30) *a+g°-pa-ra* 'to crack', Abzh *a-č-pa-ra* 'to separate (of tree's bark)'
- **pa* — SAbx *á-p-ay* 'hog', *a-h°á-pa* 'castrated hog' (AT 47, 74; *a-h°á* 'swine'), *a-p-t"-rá* 'coupling (of swine)' (AT 52), Tap *pa-ra* 'to mate, copulate (of animals)'; ~ can be a sem. deriv. of the preceding root
- **pa* — SAbx *a-pa-rá*, Tap: AbR 298 *pa-rá*, RAb 95, IX *a-la-pa-rá* 'to knit; weave'; SAbx *a-pá-ra* 'bundle (of onion or garlic)'
- **pa* — SAbx *a-ta-pa-rá* 'to catch, touch sth inside', *a-ta-r-pa-rá* 'to throw sth on', *a-xa-r-pa-rá* 'to throw sth over', Tap *t-pa-ra* 'to dislocate (e.g. arm)', *ta-r-pa-č-ra* 'to set (e.g. dislocated arm)'
- **pa* — Tap *pa-rá* 'to rise (of dough)'
- **pápa* — SAbx *a-pápa* 'maggot' (coll.), Tap *pápa-psa* 'wormy'
- **pa-pša* — Bz *a-pa-pša*, Abzh, Ash (AD 220) *a-pa-psa*, Tap *pa-psa* 'step-son'
- **patá* — SAbx (AB I: 53) *áj+la-pata-ra* 'to get tangled, become enmeshed (of thread)'; ~ **aj+la-* prev. 'together in the mass'
- **pat-pátə* — SAbx *a-pat-pát-ra* 'to flutter, quiver (of bird)', 'to flounder, wallow'; cf. Bz (AB II: 31) *a-pat-mát-ra* 'id'; ~ redupl. of **patá*
- **pátčə* — SAbx *a-pátč'* 'horn used for drinking wine'
- **p-á-ga* — SAbx *a-pá-ga-ra* 'to pass ahead, leave behind, forestall'; ~ **p-a* 'the first', **ga* 'carry, bring'
- **pág'a* — SAbx *a-pág'a*, Tap *pág'a* 'proud, arrogant, haughty'; ~ < CCirc **pʰa-ǵa* 'id.'
- **p-ág°a* — SAbx (AB II: 29) *a-pág°a* 'dock-tailed, short', 'blunt, obtuse', Tap *pag°a* 'snub-nosed'; ~ **pə* 'nose' and **ag°a* 'short' (if not < Kab *pag°ă* < CCirc **pʰa-k°a* 'blunt' !)

- **paq'-páq'ə* — SAbx *a-paq'-páq'-ra*, Tap (IX) *paq'-páq'-ra* 'to flounder' (SAbx), 'to splash (of ducks, geese)' (Tap), SAbx *á-paq'-paq'* 'restless, fussy, bustling', Tap *paq'-páq'-h'a* 'splashing (of ducks, geese)'
- **pá-q'a* — SAbx *a-pá-q'a* 'flat' (n.); ~ **q'a* 'flat'
- **pa-č'á* — Bat (Ang, Fer) *á-pa-č'a*, Ahch *a-pa-č'á* 'bran', Ash (NKuv) *pa-č'á* 'foam with husk appearing after boiling corn (maize, groats)'; ~ **pa* 'chaff', **č'a* 'skin'
- **pa-c'á* — Bz *a-pc'á*, Abzh *a-pac'á*, Tap *pc'a* 'moustache', in SAbx also 'beard', or generally 'moustache with beard'
- **paž'-paž'ə* — SAbx *á-paž'-paž'-ra* 'to stand in beauty/splendour'
- **p-á-za* — SAbx (AT 47) *a-páza* 'the twin who was born earlier than its brother or sister' (of animals); ~ **p-a* 'the first'; cf. **h'-a-za*
- **pás'a* — SAbx *a-pás'a*, Tap *pás'a* 'early, earlier'; in Abx also 'early crop', cf. *a-pás'a-k'a la-r-c'a-k'-wa-jt'* (DG 17) 'they are planting the early crops'; ~ < CCirc **pʰa-sa* 'early' < 'early crop'
- **pašáša* — SAbx (AB II: 32) *a-pašáša-ra* 'to carouse, prance (of horse)'; 'to be very nervous', Tap *pašáša-ra* 'to rummage, potter about' (of small insects); ~ < CCirc **pʰa-šaša* 'to mess, potter about'
- **páy'γ'ə* — Bz (Zw) *-páy'γ'-za* 'goggle-eyed' (-za adverbial suf.)
- **pá-čə* — SAbx *-pa-č* 'strongly tied up'; ~ **pa* 'to knit, weave', *-čə adverbial suf.
- **p-á+č'a* — Tap *pa-č'* 'front part of the yard', 'at the front', 'in front of', SAbx *pač'a-* prev. 'in front of': Bz *a-pá-č'a-s'a-ra*, Abzh *a-pa-č'a-s'a-ra* 'to fall into smb's hands' (**s'a* 'to fall'); ~ **pə* 'nose', 'front', **a+č'a* 'towards'
- **pa-č'á* — SAbx (AB II: 31) *a-pa-č'á* 'knitted'; ~ **pa* 'to knit', perf. suf. *-č'á
- **páh'ə* — SAbx *a-páj'* 'precipice of the river'
- **par-pář* — SAbx *a-par-par-rá* 'to flap (wings)', 'to twitch (e.g. of eyes)'
- **parpář* — SAbx (AB II: 30) *a-parpál* 'midges'
- **palá* — SAbx *a-pál* 'snow-flake', *palá-palá* (adv.) 'falling by flakes (of snow)'
- **pa-j-pá* — Bz *a-pa-j-pá*, Ash (AD 220) *a-pə-j-pa* 'grandson'; ~ **pa* 'son', **jə-* 'his' (male/hum)
- **p-áj-pšə* — SAbx *a-pájpš* 'fate'; ~ **pə* 'front', reciprocal pref. **aj-*, **pšə* 'to look'
- **pa-j-phá* — Bz *a-pa-j-phá*, Ash (AD 220) *a-pə-j-pħa* 'granddaughter'; ~ **pħa* 'daughter', **jə-* 'his' (male/hum)
- **pə* — 'nose', see **pə-n-č'a*
- **pə* — SAbx *a-p-rá* 'to thin/weed out', 'to pull out (e.g. grass)', *k'ən-pə-n* 'the time of collecting the flax', Tap (IX) *h'ra p-rá* 'to pull out grass' (*h'ra* 'grass')
- **pə* — SAbx *a-p-rá* 'to be established, set up, prescribed', *j-a-pə-w* 'what is set up'

- **pə-bá* — SAbx *a-p-bá* 'smell, odour'; ~ **pə* 'front', **ba* 'to see'
- **pətə* — SAbx *pət-k'*, U 113 *a-pət* 'a bit', *pət-r-áamta* 'for some time', *pət-j°ž-k'* 'several, some people'
- **pə-gá-la* — SAbx *a-p-gá-la-ra*, Tap *p-ga-l-ra* 'to bring sth for smb who is going to be met', SAbx *a-p-gá-la* 'luck, success'; ~ **pə* 'front', **ga* 'to carry', **la* VRE
- **pə-k°ə* — SAbx *a-pək°* 'edge, margin', Tap *pək°* 'lip(s)', 'beak', 'toe', 'nose', 'point, spike'; ~ **pə* 'nose' > 'front' and **k°ə* 'top'
- **pəžə* — SAbx *a-pəž'*, Tap *pəž'* 'buckle, clasp', cf. also SAbx (AT 40) *a-la-pəž'* 'eye-lash', pl. (AT 51) *a-pəž'-k°a*
- **pə-cə* — Ash (AD 218) *a-pəc* 'tooth', Bz *a-ža-pəc* 'id.' (*a-žə* 'head'); ~ **pə* 'nose' > 'front', **cə* 'tooth'
- **pə-c'a-c'a* — SAbx *a-pc'ac'a* 'flat end of the whip', Tap: AbR 313 *pəc'ac'a*, IX *pc'ac'a* 'piece of leather sewn to the end of whip', 'hair from horse's tail plaited into the hempen whip', 'narrow belt intertwined with the whip'; ~ **pə* 'front' < 'nose', **c'a-c'a* 'to put under' (prev. **c'a-* 'under', **c'a* 'to put')
- **pə-za* — SAbx *a-pəza* 'ploughshare'; 'leader': *a-g'árta r-pəza* (AT 111) 'the leading animal in the herd', Tap *pəza* 'chief, leader' (GA 46, 139), 'colter' (agric.); 'wheel-horse/ox'; ~ deverbal noun from **pə-za* (see the next item)
- **pə-za* — SAbx *a-pəza-ra* 'to lead'; ~ **pə* 'nose' > 'front', *-za 'attached to'
- **pəsta* — Bz (BD 218, Otx) *á-psta*, Dzh *a-p(?)ásta*, AF 126, 197 *a-pəsta* 'lead'
- **pə-š'á* — SAbx (BD 258) *a-p-š'a-ra* 'lactation'); ~ prev. **pə-* 'front'
- **pə-š'a* — SAbx *a-pə-š'a-ra* 'to try', *a-pəš'a* 'experiment; trying'; ~ prev. **pə-* 'front', **š'a* 'to measure'
- **pə-š'ə* — SAbx, Ash *a-pəš'* 'lip', also as a prev.: *a-pəš'ə-r-čč'a-ra* 'to smile', Tap only as a prev.: *pš'ə-r-qə-čč'a-ra* 'to smile', lit. 'to make the lips smile over sth.'; ~ **pə* 'nose', **as'ə* 'door', resp. 'opening'
- **pə+ž'a-s'a* — Bz *a-pž'as'á*, Abzh *a-pəž'as'a* 'booty, loot, bag, catch' (BD 141); ~ prev. **pə+ž'a-* 'before', **s'a* 'to fall'
- **pə-ma-č'a* — SAbx *a-pəmač'* 'shin, shank', Tap *pəmač'a* 'part of the front leg (of animals)'; 'leg's bone adjoining to the body (of birds)'; ~ **pə* 'nose' < 'front', **ma-č'a* 'branch, young twig'
- **pə-ná* — SAbx *a-pən-rá* 'to be, live beside sth', also prev. *pən-* 'beside', Tap *pna* 'at, by, beside, in, on', *h-pna* 'in our home'; ~ **pə* 'front', **ná* 'place of'
- **pə-n-č'a* — Bz *a-pənč'a*, Abzh, Ash *a-pənc'a*, Tap *pənc'a* 'nose'; ~ **pə* 'nose', -*n-* locative, *č'a*, according to Shakryl 1968: 23, 'sharp'
- **pərə* — SAbx *a-pər-rá*, Ash (S 37): Kuv *pər-rá*, Aps *bər-rá* 'to fly', SAbx *á-pər-pər-ra* 'to flit, flutter; to flap', Bz *ja-pərpər-wá* 'doing sth'

- quickly', *á-pər-ha* 'quickly, swiftly'; ~ onomat.
- **pə-ra* — 'through': SAbx (RA 601) *a-par-h^oa*, *a-pəra-h^oa* 'apron' < *a-pára-h^oa-ra* 'to tie up through', *jə-l-pəra-l-h^oa-jt* 'she tied it up' (*h^oa* 'to tie up'), Tap *pra-psá* 'curtain; apron' < **pəra-psa* 'to throw through', cf. *j-a-l-pára-l-psa-d* 'she put on (lit. 'tied up') the apron'
- **pə-ra-gágá* — SAbx *a-pərgág* 'bit (of a horse)'; ~ prev. **pə-ra-* 'through', for *gágá* cf. Abzh *a-gágá* 'circle; hoop', Tap (IX) *gágá* 'round'
- **p̥-r-čə* — Abzh (AB II: 35, 58) *a-p̥rč*, *a-próč* 'mane (of a horse, lion)', Bz (BD 219) *a-pró-k°-č*, Abzh (BD 219) *a-prəčk^oa*, Tap: (AbR 305) *prč*, 1Gum (ADA) (*a-č-a-*)*párc* 'mane (of a horse)', 'forelock', 'chevelure'; ~ **pə* 'front', connective *-r-*, **čə* 'hair(?)', cf. **k^oč-a-čə* 'top of tree' (**k^oč* 'top')
- **pəryá* — SAbx *a-pəryá*, Tap *pəryá* 'embers'
- **pə-r-žá-ga* — SAbx *a-pəržága* 'harm', 'obstacle'; ~ **pə* 'front', *-r-* caus., *ža* 'to remain' and instrumental *-ga*
- **pərh°əm-ʒə* — Abzh (AB II: 58) *a-pərh°əm-ʒ*, SAbx (Bz?: AB II: 35) *a-prám-ʒ* 'mucus exuding from the body', e.g. of a pregnant cow, Tap *pərh°əm-ʒ* 'mucus covering a new-born animal'; ~ **ʒə* 'water'
- **pələgədə* — SAbx *a-pələgədə*, Bz: AF 120 *a-pəlgədə//a-pəlgdə*, AF 101: *pəlgəd*, AF 119: *pəlgədə-k*, Tap *pləmgdə* 'thigh(-bone, femur), hip' (-*m-* must be epenthetic)
- **p̥-ja* — SAbx *a-p̥ja* 'direct(ly)'; ~ **pə* 'front' < 'nose', **ja* 'to lie', or **ja* 'to go'
- **ppa* — Abzh (BSh 195) *aj-q^oə-r-ppa-ra* 'to crack (in several places)', *a-kdə aj-q^oə-jə-r-ppa-jt* 'he cracked the log in several places', Tap (NTab 18) *a-q-ppa-rá* 'to crack'; ~ expressive gemination of **pa* 'to crack'; *aj-q^oə-, q-* (< **qa* 'head') are preverbs
- **pta* — SAbx *á-ptə* 'cloud'
- **pga-pč'a* — SAbx (AB II: 32) *a-pgapčá* 'spare, easily available or used'
- **p-gá-la* — SAbx *a-p-gá-la-ra*, Tap *p-ga-l-ra* 'to bring sth for smb who is going to be met', SAbx *a-p-gá-la* 'luck, success'; ~ **pə* 'front', **ga* 'to carry', **la* VRE
- **p-qa-c'a* — Bz *a-p̥xa-c'a-rá*, Abzh *a-p̥xa-c'a-rá* 'to drive away'; ~ **p-qa* prev., **c'a* 'to put'
- **pqá-r-sə* — Bz (BB) *a-p̥xá-r-s̥-ra* 'to drive away', *də-p̥xá-jə-r-sə-jt* 'he drove him/her away'; ~ **p-qa* prev., *-r-* caus., **sə* 'to beat'
- **p-q'a* — SAbx *a-pq'á-ra* 'rule, regulation'; ~ deriv. of **pə-q'a* 'to cut'
- **pč'átlə* — Abzh (BD 204) *a-p/bč'átlə* 'lash on legs for husking maize'
- **pč'arəħə* — Bz: BD 98 *á-pč'arah//>á-bč'arah*, AT also *a-bč'arāħ* 'the leader of the hunters' (BD 98), AT 12 also 'shepherd-hunter', 'lucky hunter', Tap *pč'arəħ* 'good shot, marksman'; ~ < CCirc **pčħ'á-rə-ħ(a)* 'young man serving elder', 'cook'

- **pč'ac'ára* — SAbx *a-pč'ac'ár* 'topknot', 'temporal hair'
- **psa* — Bz (BD 227) *a-psa-rá*, Abzh (AB II: 39) *á-pssa-ra*, Tap *psa-rá* 'to sweep'; cf. also Ash (S 8) *a-pənc'a-psá-ga* 'handkerchief' (*a-pənc'a* 'nose', *-ga* instr. suf.); *-ss-* in Abzh is expressive
- **psa/a* — SAbx *a-ps-aá* 'wet', *a-ps-aa-rá* (AB II: 35) 'to become wet', Bz (BB) *a-r-ps-aa-rá* 'to wet, soak', *a-ps-aa-n-c'a-rá* 'to put soak' (-r-caus., *-aa-* VRE, *-n-c'a-* 'to put'), Bz (BD 226) *a-č"ə-psə* 'raw', Tap (IX) *psa-rá* 'to wet, soak', *psə-tq'a* 'wet'
- **psa* — SAbx *a-psá* 'fir-tree, silver fir'
- **psa* — 'to tie up': SAbx *a-č-áj-də-psa-la-ra* 'to press, lean itself against sth', *a-g"ə-c'a-psa-ra* 'to press itself against smb', 'to cross the hands on the bosom', *a-c'a-psa-ra* 'to bend, to kneal', *a-č-áj-k"ə-psa-ra* 'to curl up; to fold/put up the wings', Tap *pra-psá* 'curtain; apron', *pəra-psa-ra* 'to tie up through', *j-a-l-pəra-l-psa-d* 'she put on (lit. "tied up") the apron' (prev. **pəra* 'through')
- **psa* — 'to pour dry substance (e.g. sand, grains)', 'to sow': SAbx, Tap *á-k"-psa-ra* 'to pour sth on', 'to sow'
- **psa* — *'cattle', cf. **psá-ša*
- **psápa* — SAbx *a-psápa*, Tap *psápa* 'good deed' (rel.); ~ < CCirc **psa-pʰa* 'id.'
- **psa-tá* — SAbx *a-psatá*, Tap (IX) *psatá* 'place where the souls rest after death'; ~ **psə* 'soul', *-ta loc. suf., *a* in *psa* is unclear
- **psa-tá* — SAbx *a-psatá*, Tap (IX) *psatá* 'good deed' (rel.); either the same etym. as the previous word, or **psə* 'soul', *-ta 'to it-give'
- **psa-tá* — SAbx *a-(k'a-)psatá* 'drizzle', Tap (IX) *pst'a* 'dew'; may be a deriv. of **psa* 'to wet, soak', or **psa* 'to pour, strew', for *t'a* cf. SAbx *t't'a* 'to tear up', *aj-px'-t't'a-rá* 'to tear up (entirely)', 'to disperse', Tap (IX) *a-sá hə-k'a-t't'ʃ-jd* 'it is snowing heavily', *k'a-t't'a-rá* 'to disperse, crawl away (of spilled thick liquid, e.g. honey, sour-cream, etc.)'
- **psa-q'á* — SAbx *á-psa-q'á-ra* 'to winnow (grain)'; ~ **q'á* 'to wave; beat'
- **psá-ʒə* — SAbx: AB II: 36 *a-psá-ʒ* 'fir-tree, *Picea*', 'poultice pit to put a sick man in it by boiling in this pit fresh twigs of fir-tree'; ~ **psa* 'fir-tree'; as the Bzyp form is not known, the protoform could also be **psá-ʒə*
- *(*p*)*sasájə* — SAbx *a-psasáj* 'a bit warm', *a-psasáj-ra*, BB *á-psasəj-ra* 'to warm up a bit', 'to start melting (of snow)', Tap *sasáj-ra* 'to melt'
- **psá-ša* — Bz *a-psá-ša*, Abzh *a-psá-sa* 'small cattle'; ~ **psa* 'cattle', *-ša 'small'
- **psa-h"á* — SAbx *a-psa-h"á* 'wet', *a-psa-h"ə-rá* 'to become wet'; ~ **psa* 'to wet, soak'
- **psawátla* — SAbx (BD 132): Bz *psawátla*, Abzh *pswatla* 'living', Tap *psawatla* 'household' 'additional buildings in a farm'; ~ < CCirc **psa-wa-λa*

- ‘living, household’
- **psə* — SAbx *a-psə*, Tap *psə* ‘soul’
 - **psə* — ‘female of animals’: SAbx *a-lá-ps*, Tap *la-ps* ‘she-dog’, *a-čadá-ps* ‘she-donkey’, etc.
 - **psə-pə* — SAbx *a-psəp*, Tap *psəp* ‘respiration’; ~ **psə* ‘soul’
 - **psə-čə* — SAbx *a-psəč* ‘weak’; ~ **psə* ‘soul’
 - **psə-šá* — SAbx *a-ps-šá-rá*, Tap *č-ps-šá-ra* ‘(to) rest’; **psə* ‘soul’, *č-* reflexive suf.
 - **psəng ž* — Abzh: RA 340 *a-psəng áržj*, AB II: 36 *a-psəng áržj*, Tap *psərglá* ‘anvil’, in Tap also ‘бабка для отбивки косы’;
 - **psə-lmət'-k'ə* — SAbx (AB II: 43) *a-psə-lmót'-k'-ra* ‘to languish’, ‘strong desire’; ~ **psə* ‘soul’, **k'ə* ‘to hold, seize’
 - **psənk"á* — Bz *a-psənk"á//a-psəmk"á*, Abzh *a-psənk"a//a-psəlk"a* (BD 106) ‘bumble-bee’, AB II: 43: ‘hornet’
 - **psə-n-č'ž* — Bz *a-psə-n-č'-rə*, Abzh *a-psə-n-c'-rə* ‘life-time’; ~ **psə* ‘soul’, **nə-č'ž* ‘duration of one's existence’, ‘age’
 - **psə-n-č'ž-ñ"a* — Bz *a-psənč'žj"//a-pśənč'žj*, Abzh (? cf. AB II: 43) *a-psənc'žj"* ‘chicken's collar-bone’; ~ probably a sem. deriv. of **psə-n-č'ž*; the Bz (Dur) form *pśəmc'žžja*, cited in BD 106, can be a result of contamination with (Bz) *a-mc'žžj'a > a-mc"žžj'a* (BD 116) ‘wing’; cf. Tap *pžənc'žž'a* ‘bird's wing’
 - **ps-th"á* — SAbx *á-psth"á*, Ash (Aps), Tap *psth"á* ‘cloud, fog’; ~ prob. connected with **psa/ə* ‘to wet, soak’
 - **pśa* — ‘step-’: Bz *án-pśa*, Tap *an-psá* ‘step-mother’, Bz *áb-pśa*, Tap *ab-psá* ‘step-father’, Bz *a-pħa-pśa*, Tap *pħa-psá* ‘step-daughter’, Bz *a-pa-pśa*, Tap *pa-psá* ‘step-son’
 - **pśabá* — Bz *a-pśabá-r*, Abzh *a-psabá-ra* ‘nature’
 - **pś-áž"a* — Bz (BB) *a-pś-áž"a* ‘idle talk’; ~ **pśə* ‘dead’, **az"a* ‘word’
 - **pśá-žə* — Bz *á-pśa-ž-ra*, Abzh (AB II: 37) *a-psá-ž-ra//á-psa-ž-ra* (?), Tap *psá-ž-ra* ‘to change’, SAbx also ‘to borrow’, Abzh *a-psá-ž*, Ashx *psa-ž-t'a*; ~ prob. **pśa* ‘price, cost’, **žə* ‘to take off’
 - **pśárdə* — Bz (Axu, Garp) *a-pśárd*, Abzh *a-psárd* ‘scissors for cutting the sheep wool’, Tap *psart* ‘scissors’
 - **pśə* — Bz *a-pś-rá*, Tap *ps-ra* ‘to die’, Bz *a-r-pś-rá*, Abzh *a-r-ps-rá* ‘to put/blow out (of fire, light)’, ‘to kill’, Tap *r-ps-ra* ‘to kill’, ‘to exhaust, starve’, Bz *a-pśž*, Tap *psə* ‘dead (man), corpse’
 - **pśə-qá* — Tap *ps-qa* ‘the dead, corpse’
 - **pśə-qá-pśə* — Bz *a-pś-ž-a-pśž* (BD 61) // *a-ps-ž-a-pśž* (BB), Abzh *a-ps-ž-a-psə*, Tap *ps-qa-psə* ‘carriion’, Abzh *a-ps-ž-a-ps-rá*, Tap *ps-qa-ps-ra* ‘die (of animals)’
 - **pśž-q"a* — Bz *pśž-ž'a*, Abzh *pśž-ž'a* ‘possiblity’, ‘help’; ~ **q"a* ‘help’
 - **pśž-q"ž* — Bz *a-pś-žž'//a-pś-žž'(ə)-rá*, Abzh *a-ps-žž'//a-ps-žž'-rá*, Tap *ps-q"ž*

- **pš̥-ʒə* — ‘funeral repast’; ~ **pšə* ‘die; dead’, **q̥ə* ‘share’
- **pš̥-ža* — Bz *a-pš̥ʒ*, Abzh *a-ps̥ʒ*, Ash *psəz* ‘fish’
- **pš̥-ža* — Bz *a-pš̥ʒa*, Abzh *a-ps̥ʒa* ‘span’ (AB II: 42, RA 477), ‘measure between the tips of the stretched forefinger and thumb’ (BD 46); ~ **ʒa* ‘span’
- **pš̥-č̥a-aħa* — Bz: BD 35 *a-pš̥č̥aħa*, U 153 *a-pš̥č̥aħá*, Abzh (AB II: 41) *a-pš̥č̥aħá* ‘deity taking away the souls of people’; ~ **pšə* ‘dead’, *-č̥a pl. suf., **aħa* ‘prince’, i.e. ‘the lord of the dead’
- **pš̥-ma(-t̥a)* — SAbx (AB II: 43) *a-ps̥-ma//a-ps̥-mat̥a* ‘clothes for the dead man’
- **pš̥la* — Bz *a-pš̥la*, Tap *ps̥la* ‘fat’
- **pš̥-ta* — Bz *a-pštá*, Abzh *a-pstá* ‘ravine, gorge’; ~ **pšə*, a probable cognate to Circ **psə* and Ub *bzə* ‘water, river’ (BD 253-4; Shagirov 1982: 66-67), and loc. suf. *-ta
- **pš̥-tā-rə* — Bz *á-pštə-r* ‘groups of mountaineers who used to invade Abkhazia in the past’, Abzh (AB II: 40) *á-pstər* ‘army, forces’; ~ **pš̥-ta* ‘gorge, ravine’, **rə* ‘army’
- **pš̥q'(^)ə* — Bz: BD 36 *a-pš̥q'ʃ*, Axu *a-pš̥q'ʃ*, Abzh (AB II: 38; RA 503) *a-ps̥q'ʃ* ‘rudder’, ‘helm’
- **pš̥ša* — Bz *á-pš̥ša-ra*, Tap *pssa-rá* ‘to peel, plane, shave’
- **pš̥(s)-ħá* — Tap *pssħa-rá* ‘to fly’; ~ *-ħa- VRE, geminate -ss- may be expressive; cf. **pš̥(s)-ħa-t̥ə* ‘bird’
- **pš̥(s)-ħa-t̥ə* — Bz: BD 139, Axu, Dzh *a-pš̥āt̥*, U 153 *a-ps̥ā//a-ps̥āt̥*, Abzh (AB II: 35) *a-ps̥ā(-t̥)*, Tap *pss-ħa-č̥ə* ‘bird’; ~ **pš̥(s)-ħá* ‘to fly’, attrib. suf. *-t̥ə
- **pš̥ħ-əstə* — Bz (BD 37) *á-pš̥ħ-əstə-r(a)*, (BD 131) *a-pš̥ħ-əstə-r(a)*, Abzh *a-ps̥ħ-əst̥-ra* (BD 131) ‘herpes’; cf. AT 49 *á-pst̥ħ-əst̥-ra* ‘id.’
- **pš̥lāħ-ə* — Bz *a-pš̥lāħ* (but BB *á-ps̥laħ*), Abzh *a-ps̥lāħ* ‘chamois (fem.)’
- **pš̥-la* — Bz *a-pš̥lə*, Abzh *a-ps̥lə* ‘otter’; ~ prob. **pšə* ‘water’, **la* ‘dog’, same as in Ub *bzə-wa* ‘otter’ (Chirikba 1985: 229)
- **pš̥lə-šə* — Bz (BD 37) *á-pš̥ləʃ//á-ps̥ləs* ‘willow (Salix sp.)’, Ash *psləs* ‘lime’; ~ **šə* ‘white’, cf. Circ *bzə-x* ‘willow’, -x-ə ‘white’
- **pš̥ləmʒə* — Bz *á-pš̥ləmʒ* ‘(sea, river) sand’, Ash (SKuv) *psləmʒ* ‘silt’, Tap *psləmʒ* ‘bog, marsh’; ~ **ʒə* ‘water’ (?)
- **pš̥a* — SAbx *a-pš̥á*, Tap *pš̥a* ‘wind’
- **pč̥/šah°/q̥á* — SAbx *a-pšah°á* ‘both sides of river-shore’, ‘sea-shore’, Ash *pšaq°a*, Tap *pčaq°a* ‘sand’; cf. also Tap (RAb 324, AbR 308) *pħačaq°a*, (IX) *pħarčaq°a* ‘sand’; ~ the actual etymology, the original form and even the genuine character of these forms are not clear; cf. also Ub *pšax°a*, CCirc (PC 40) **pčħax°a* ‘sand’
- **pš̥ə* — SAbx *a-pš̥-rā* ‘to look’, ‘to wait’, ‘looks, appearance’; ‘to tell fortunes’; ‘to sort out (beans, millet, etc.)’, Tap *pš̥-ra* ‘to look’, SAbx, Tap: imper. *bə-pš̥ə* ‘you (fem./hum) look!’

- **pšə* — Abzh, Tsab *á-pš* ‘maize’, ‘millet’, Abzh *á-pšə-c* ‘a maize grain’, *á-pšə-r+ta* ‘maize field’;
- **pšə̄-cə* — SAbx *a-pšəc*, BB *á-pšəc* Rus ‘ремезок’ (text.); ~ **cə* ‘tooth’
- **pšə̄-ħā* — SAbx *á-pšaa-ra*, Ash (AD 9) *a-pšaa-ra*, Tap *pšħa-rá* ‘to seek, search’; ~ **pšə* ‘to look’, *-ħā VRE
- **pšə̄-ža* — SAbx *á-pšža*, Tap *pšža* ‘beautiful’, Bz (BD 152) *pšəža-ra* ‘beauty’; ~ deriv. of **pšə* ‘to look’, cf. also SAbx *a-ħž=a-pša* ‘fame, glory’ (*a-ħž* ‘name’); *-ža is either an intensity suf., or the verb **ža* ‘to reach’ (etymologically connected with the suf.)
- **pška* — SAbx *á-pška*, Tap *pška* ‘soft, mild, tender, delicate, small (of youngs)’; Tap also ‘weak’; SAbx ‘infant’, Tap *sabħj pška* ‘infant’ (also of young animals)
- **pš-q°ž-č”ə* — Bz *á-pš-ħəž-č”ə*, Abzh *á-pš-ħəž-č”ə* ‘corn-cob’; ~ **pšə* ‘millet’, **č”ə* ‘sharpened stick’
- **pšža* — Bz (IM, BB) *a-pšžə*, Abzh *a-pšžá* ‘weasel’; ~ may be a deriv. from **pšə̄-ža* ‘beautiful’, thus CABX **pšə̄-ža*
- **pšc’ə* — Tap *pšc’ə* ‘court, the front part of the court’; also used as a prev. ‘into/out of yard’
- **pš-ša* — SAbx *a-pšša-ra*, Tap *pšša-ra* ‘to dry up’; ~ prob. **pšə* ‘wind’ and **ša* ‘to become heated’; cf. also SAbx *a-d°ž-l-pšša-ra* ‘to disappear from inside unnoticed’, ‘to get lost’ (*a-d°ž-l-* prev. ‘to the outside’)
- **pš’ə* — SAbx *a-pš’ə* ‘sanctified’ (adj.), *a-pš’ə-rá* ‘to sanctify’; ‘to cross’ (rel.)
- **pš’ə* — Abzh *a-pš’ə-ra* ‘to become soft, soften (of cow’s udder)’
- **pš’-á-ša* — Bz *a-pš’áš*, Abzh, Tap *pš’áša* ‘Thursday’; ~ **pš’-a* ‘the fourth’, **ša* ‘day’
- **pš’ə* — SAbx, Ash, Tap *pš’-ba* ‘four’
- **pš’ə* — ‘side’: SAbx *á-pš’* ‘skirt of cherkeska on the waist’; ‘waist’
- **pš’ə-r-(k’)-ča* — Bz (BB) *a-pš’ə-r-k’-čá*, Abzh *a-pš’ə-r-k’-ca*, Tap *pš’ə-r-ca* ‘quadrangle’; ~ **pš’ə* ‘four’, **rə-* caus., **k’ə* ‘to hold, seize’
- **pš’ə-r-ħá* — SAbx (AB II: 54) *a-pš’ərħá* ‘wooden bucket with a cover to keep yoghourt’, Ash *pš’ərħá* (AD 61)//*pš’ərħá* (AD 85), Tap *pš’ərħá* ‘bucket’; ~ **pš’ə* ‘side’, **rə-* causative
- **pħa* — SAbx *a-pħá*, Tap *pħa* ‘warm’, Bz also ‘fustian’, SAbx *a-pħa-rá*, Tap *pħa-rá* ‘to warm up, become warm’, SAbx also ‘to shine (of sun, moon)’
- **pħa* — Tap *pħa* ‘authority, respect, honour’
- **pħa* — SAbx: AB II: 44 *a-pħá* ‘loss, deprivation’, *a-pħa-rá* ‘to be deprived of sth, to lose’, Tap *pħa-rá* ‘to lose (e.g. a person who dies)’
- **pħa-s+tá* — SAbx *a-pħa-s+tá*, Bz (BD 34) *a-pħa-s+tá* ‘loss’, Tap *pħa-s+tá* ‘misfortune’, ‘damage, harm’; ~ **pħa* ‘loss, deprivation’; -ħ- in BD 34 must be a misprint
- **pħa-š’á* — SAbx *a-pħa-š’á-rá*, Tap *pħa-š’á-rá* ‘to feel shame’; ~ **pħa* ‘loss,

- deprivation', *š'a 'to regard, consider'
 — SAbx *a-pxáh* 'rasp' (tech.); ~ < CCirc *pxá-č'ə 'id.'
- *pxá-jə=pxá-jə — SAbx *a-pxá-j=pxáj* 'transparent', *a-pxá-j=pxáj-ra* 'to be transparent', 'to play (of colours)', Bz *jə-pxá-j=pxá-j-wa* 'in blooming health'; ~ *pxá 'warm', 'to shine'
- *pxá-k°ə — SAbx *a-pxá-k°* 'duty, obligation', 'fate'; ~ *pxá 'authority', *k°ə 'vow'
- *pxážə — SAbx *a-pxáž*, Tap *pxáz* 'dream'
- *pxə-nə — SAbx *á-pxə-n*, Ash (AD 222) *a-pxə-n-ra*, Tap *px-nə* 'summer', Tap *pxən-č'ál'a* 'july', IX: 'middle, high peak of summer'; ~ *pxá 'warm', *-nə 'season, time of'
- *pxə — SAbx *á-px̄t*, Tap *px̄ta* 'scabby, mangy', SAbx *á-px̄t-ra*, Bzp *a-pxtə*, Tap *px̄ta//px̄t-ra* 'itch, scab'
- *px-ʒə — SAbx *a-px-ʒə*, Tap *px-ʒə* 'sweat', Tap also 'labour'; ~ *pxá 'warm', *ʒə 'water'
- *pxča — Tap *pxča-ra* 'to clean' (e.g. tree branch/trunk from the twigs)
- *pxnž-ga — SAbx *a-pxnžga* 'round stone for grinding spices on a bigger round stone'; ~ *-ga instr. suf.
- *px'a — SAbx *a-px'a-rá*, Tap *px'a-rá* 'to pass/spend the night'
- *px'a — SAbx *á-px'a-ra*, Tap (RAb 156) *jə-px'a-ra* 'to call (upon)', 'to name'
- *px'a-žá — Bz *á-px'aža-ra*, Tap *px'aža-rá* 'to count, calculate'; ~ the first part is connected with *a-px'a 'to read', *px'a 'to call'
- *px'arcá — Bz *a-px'arcá*, Abzh *a-px'arcá* 'kind of a two-stringed violin', Ash (SKuv) *px'arcá* 'accordeon'
- *px'anžá — Bz *a-px'anža-č//a-mx'anžá-č*, Abzh *a-px'anža-ra+č* 'part of stomach of ruminant animals'; ~ -č//-ra+č suf.
- *px'ərc°ž — SAbx *á-px'ərc°-h°a* 'quickly', 'suddenly'; cf. Tap (IX) *x°ərc°-h°a* 'id.'; velar x° in Tap is normally found only in Circ loans
- *pħa — SAbx *a-paa-rá* 'to be a priest', *d-paa-jt'* 'he fulfills priest's duty, ceremony', *a-paa-j°ž* 'priest' (-j°ž agent suf.)
- *p-ħa — SAbx *a-t-paa-rá* 'to grab from inside', Bat (Fer) *a-paa-ra*, Ash (Aps) *a-paa-rá* 'to steal; to abduct (a bride)', Tap *š'+t'-pħa-ra* 'to lift abruptly'; ~ *pə 'to tear up', *ħa VRE
- *pħa — SAbx *a-pħá*, Ash, Tap *pħa* 'daughter'
- *pħa-pśa — Bz (AF 115) *a-pħa-pśa*, Ash (AD 220) *a-pħa-psa* 'step-daughter'
- *pħ°ə — SAbx *a-pħ°* 'maize straw', *á-pħ°-aq"* 'stack of maize straw'
- *pħ°a — Bz: *a-pħ°á*, Dzh, Dirr 10 *a-bħ°á*, Abzh *a-bħ°á*, Tap *ħ°a-sá* 'prune'
- *pħ°a-śá — Bz *a-pħ°a-śá*, Sa *a-q"a-sá* 'alycha (kind of damson, *Prunus divaricata*)', Ash, Tap *ħ°a-sá* 'prune, alycha'; ~ *-śá 'little, small'
- *pħ°ə-śə — Bz *a-pħ°əś*, Ash, Tap *pħ°əs* 'woman'; the pl. is not regular: Bz *á-ħ°ś(s)a(-k°a)*, Ash: *ħ°səsa* (BD 145), def. *á-ħ°ssa* (BD 145), *á-ħ°ssəsa* (Kuv-AD 74), Tap: IX *ħ°səsa*, def. *a-pħ°əs-k°a//á-ħ°ssa(-k°a)* 'women', BD 145 *ħ°səsa-r+ħa* 'girls, young women',

AbR 310 *pħ'asə-r+ħa* 'women (coll. pl.)'; ~ *-ħə dim. suf.

- **pra* — SAbx *á-pra* 'sail'

4. **p*'

- **p'áp'a* — SAbx *a-ta-p'áp'a-ra* 'to swarm inside (e.g. of bees)', *a-č'a-p'áp'a-ra* 'to paste all over the face with sth (e.g. with flies)', Tap (IX) *r-p'áp'a-ra* 'to ram'
- **p'átla* — SAbx *a-p'át'la*, Ash (AD 63) *p'aλa*, Tap orth. *p'átla*, IX *p'áča* 'time, term'; ~ < Bzh, Kab *p'aλă* < CCirc **p'q"ală* 'id.'; *t*' instead of *t* in SAbx is by assimilation with the initial *p*'-
- **p'at'a* — SAbx *a-p'at'a-rá* 'to be delirious', 'to say nonsens', 'to mix truth with lies, to lie', Tap (IX) *la-r-p'at'a-rá* 'to entangle, mat (of thread)', 'to make confuse (in the room)', 'to intermix things'
- **p'at'-ág°a* — SAbx (AT 25) *a-p'at'ág°a* 'short (e.g. of tail)'
- **p'at'ázə* — Bz (BD 41) *a-p'at'az* 'stout'
- **p'at'áwə* — Abzh *a-p'at'áw-ra*, Ash *p'at'áw(a)-ra*, Tap *p'at'áw-ra* 'to stir, move'; ~ < Kab *p'ăt'ăwă* 'id.'
- **p'at'áwə* — SAbx *á-p'at'əw*, Tap *p'at'əw* 'authority, respect, honour'; ~ < Geo *p'at'iw-i*, Meg *p'at'u* 'id.'
- **p'ážə* — SAbx (AB II: 16) *a-p'áž'* 'haughty, arrogant'
- **p'áq"ə* — SAbx *jə-p'áq"-za* 'too much curdled (of milk, yoghourt)'
- **p'áč'a* — Bz *a-p'áč'*, Abzh *a-p'áč'a*, Ash (S 37): Aps *bač'*, Xw *baž*, Tab 59 Ash *baža* 'tick'
- **p'áč'ə* — SAbx *a-p'áč'* 'small, short(ish)'
- **p'ážə* — Bz *a-p'áž* 'fat, stout, big'
- **p'ášə* — SAbx (AB II: 15) *a-p'áš* 'bald', 'flat', *a-p'áš-ra* 'bald spot'
- **p'ážə* — SAbx *a-p'áž°* 'plump', SAbx *d-p'áž°-p'áž°-wá* 'awkward staggering walk (of a child, puppy)' (redupl. of **p'ážə*)
- **p'ášə* — SAbx *a-p'áš°* 'white, clean'
- **p'ayáč'a* — Bz *p'ayáč'a* 'shortish, dwarfish'; cf. **bayáč'a*
- **p'áy'ə* — SAbx *a-p'áy'* 'impudent, insolent'
- **p'áy'ə* — SAbx *a-p'áy°* 'arrogant, overbearing'
- **p'ax'ə* — Bzp *a-p'áx°* 'plump, fat'
- **p'á/əx'ə* — Bz (Esh) *a-p'áx°*, Abzh *a-p'əx°* 'tip'
- **p'alt'əq'-śa* — Bz (BD 38) *a-p'alt'əq'śa//p'alt'əq'əś* 'kiddy', AB II: 8 *a-p'alt'əq'sa* 'undersized, stumpy'; ~ *-śa 'small, little'
- **p'ar-p'arə* — SAbx (AB II: 11) *a-p'ar-p'ar-rá* 'to chatter, jabber', *a-p'ar-p'ár-jə* 'chatterer', Tap *p'ar-p'ar* 'endless chatter'; ~ onomat., redupl.
- **p'aj-p'ájə* — SAbx (AB II: 16) *a-p'ajp'áj-ra* 'to swell up', 'to be full to overflowing'; ~ onomat.

- **p'ə* — Abzh *a-p'-rá* 'to crumble', SAbx *a-r-p'-rá* 'to loosen, hoe', 'to dig, making the ground light, crumbling it', *a-r-p'-ʃ-ga* 'tool for making the ground light' (*r-* caus., *-ga* instr.)
- **p'ə* — SAbx *a-p'-rá* 'to give birth (of cats, dogs, swine)'
- **p'əp'ʃ* — SAbx *a-r-p'əp'-rá* 'to loosen, crumble', *a-ta-r-p'p'-rá* 'to crumble, pour sth into'; ~ redupl. of **p'ə*
- **p'əq'q'á* — SAbx (AB II: 28) *a-p'əq'q'á-h'a* 'descr. of clatter of horses' hoofs'
- **p'əq"ə* — Bz (BD 219) *a-p'əq"* '(leaf-)bud'
- **p'əzə* — Abzh, Ahch *a-p'əz-rá* 'pedere'
- **p'əzzə* — Bz (Zw) *də-t-p'əzz-ʒá* 'good-natured, simple (of face)' (*tə-* 'from inside')
- **p'ələ-p'ələ* — SAbx (AB II: 28) *a-p'ələp'əl-ra* 'to swarm, teem with sth'; ~ redupl.
- **p'əlhata* — SAbx (AB II: 28) *a-p'əlhát* 'abyss; quagmire; mud'
- **p'əj-p'əj* — SAbx (AB II: 17) *a-p'əjpəj* 'pipe' (mus.); ~ onomat.
- **p'-t'ə* — SAbx *a-p't'-rá* 'to open (of flowers, leaf-buds)'; ~ **t'ə* 'to open'
- **p'q'a* — SAbx (AB II: 18) *á-p'q'a* 'crane' (zool.)
- **p'q'a* — Abzh *á-p'q'a-ra*, Bz *á-pq'a-ra* 'to beat, strike', Tap *p'q'a-rá* (GA 54, IX) // *bq'a-rá* (AbR 121, GA 60) 'to beat, strike, slap', 'to thresh', *bq'á-ga* // (GA 54) *p'q'á-ga* 'thresher'; Tap *bq'a-* can indicate the older form **bəq'á*
- **p'q'ə* — Bz (BD 41) *a-p'q'əz*, Abzh (Ku) *a-p'q'ə-š-ra* 'cane, reed'
- **p'q'əšə* — SAbx (AB II: 18) *a-p'q'əšš* 'small transparent blisters on a body', 'transparent drops'
- **p'q'lašə* — Abzh (Dzhg) *á-p'q'laš* 'dirt, mud'
- **p'-la* — SAbx *a-p'-la-rá* 'to spread, proliferate', Tap (AbR 31) *a-yər-p'la-ra* 'to pour out (as corn)' (*yər-* prev. 'from enclosure'); ~ **-la* VRE

5. **p"*

- **p"ə* — SAbx *a-nap'ʃ*, Ash *mp'ə//mp"ə*, Tap *nap'ʃ* 'hand', SAbx *aš'ap'ʃ*, Ash *š'ap'ʃ//š'ap"ʃ*, Tap *š'ap'ʃ* 'foot'

6. **d*

- **da* — SAbx *a-dá* 'vein, nerve', Ash (AD 219) *a-dá* 'sinew', Tap *da* 'vein, sinew'
- **da* — SAbx *a-da-rá*, Tap *da-rá* 'to abate (of swelling)'
- **da* — SAbx *-da-* (with preverbs, e.g. *a-k'ʃl-da-ra* 'to take through a slot or opening'), Tap *-da-* 'to lead'
- **dáda* — SAbx *dad* 'grandfather', more rare 'father', Ash (AD 219) *dáda*

- *dág^oa 'father', Tap *dáda* 'grandfather, father'
- *da-q'á — SAbx *a-dág^oa*, Tap *dag*^o 'deaf'; ~ < CCirc *da-g^oa 'id.'
- *dá-q'á — SAbx *-da*, TuAbx *daq'á*, Tap *da//d?á* 'without' (suf. and particle)
- *dá-q'á — SAbx *a-dáq'á* 'side', 'page'; ~ *q'á 'flat'
- *dá(-cə) — SAbx *a-dá(-c)* 'root'; ~ *cə 'root'
- *d-ačá — SAbx, Ash, Tap *dačá* '(an)other'; ~ cf. *ačá
- *dasəwə — SAbx, Tap *dasəw*, Bz (BD 97) also *dawsə* 'everything, everybody'
- *damá-q'á — SAbx (AB II: 194) *a-damáq'á* 'flattened', Esh 'flat-headed', Ash (S 7) *a-damáq'á-k* 'one of the walls in a room'; ~ *q'á 'flat'
- *damrá — SAbx *a-damrá*, Bz (BD 121-Dzh) also *a-dəmrá*, Tap (ShX) *damrá* 'grave'; ~ in Tap only in a proverb
- *da(-rá) — SAbx, Ash, Tap *da(-rá)*, Sa *da-rá//da-r* 'they (hum.)'
- *dára — Tap (IX) *dára* 'stingy (man)', (AbR 318) *r-dára-ra* 'to strengthen'
- *dára — Bz (BD 284, Bzp, M 35, K 42) *dáara*, *daára*, *dára*, Sa, Ash *adára*, Tap *dára* 'very (much)'; ~ can be a semantic deriv. of *dara 'strong'; -aa- in SAbx can be expressive;
- *darə — SAbx (AB I: 195) *á-dar-ra* 'to spin with a double thread'
- *dárə — Bz *a-dar-ra* 'to sting (of nettle)'
- *da(r)dərə — SAbx *a-dardə//a-dərdə*, Tap *dadər-y^ož* 'spindle' (^{y^o}ž 'plank'); ~ onomat. ?, cf. SAbx *á-dər-dər-ra* 'to shake, sway'
- *daršmá — Bz *a-dəršma-ž*, Abzh (AB I: 195) *a-darsmá* 'withers'; ~ ž 'head'
- *də — SAbx *á-d-ra* 'to instruct, commission smb to do sth', 'to attach sth/smb to', SAbx, Tap prev. *d(a)-* 'to attach', 'doing or being before sth', SAbx *aj-d-ra* 'to be together'
- *dəpə — SAbx *á-dəp(-h)a*, Tap (IX) *dáp-h'a* 'noisily, sound of knocking, tapping', etc.; ~ onomat.
- *dədə — Bz *á-d(a)d*, indef.sg. *ddə-k'*, U 130 *a-dədə*, Abzh *á-dəd*, Tap (Gum) *dəd-rá* 'thunder', Bz *á-dd-ra*, Abzh *á-dəd-ra*, Tap *dd-rá* 'to thunder', Abzh (DG 60) *dədə-mažəs* 'thunder and lightning'; ~ onomat.
- *dásə — Bz *a-dás-ra* 'become numb', Abzh *a-dás* 'paralysis'
- *dəyaž'a — SAbx (AB I: 213) *a-dəyaž'a* 'ilex' (bot.)
- *dárə — SAbx *a-dár-ra*, Sa *a-dár-ra*, Tap *dár-ra* 'to know; knowledge'
- *dá(r)g^oa — SAbx *dəg^o-dəg^o*, Tap *dərg^o(-dərg^o)* onomat. for sound of thump, cradle, etc.
- *dəržə — Bz (BB) *a-dəržə*, LAbx (AB I: 215) *a-dəržə* Ru 'конский щавель', *Fumex alpinus*'
- *dəryžyə — SAbx *a-dəryžy*, Tap (AbR 207) *dəryžy* 'lean, skinny (man)', 'a sort of bush used in medicine'
- *dəwə — SAbx, Ash, Tap *dəw* 'big, great'
- *dombáj — Bz *a-dəwmp'áj*, Abzh *a-dombéj*, Tap *dombaj* 'aurochs' (zool.)
- *dňa — Bz (BD 231) *á-daa-ra* 'slope'
- *dlapšá — Bz (BB) *á-dlapša*, Abzh (?) *á-dlapsa* 'without, lacking sth/smb'

7. *d°

- *d°ə — SAbx *a-d°ə* 'field', Ash (GA 77) *d°ə* 'field', SAbx *a-d°-nə*, Ash (Aps-AD 9) *a-d°ə-nə*, (Kuv-S 7) *a-d-nə* 'outside', SAbx *d°ə-*, Ash *də-*, Tap *ʒə-* prev. 'outside'
- *d°əd°ə — Bz *a-r-dəd-ra*, Abzh: *a-r-dəd-rá*, Arasadzykh (E.Kilba, pers.comm.) *a-r-d°əd°-rā* 'to grind roughly'

8. *t

- *ta — SAbx *a-tá-zaa-ra*, *a-ta-rá*, Tap *tá-z-la-ra* 'to be inside', SAbx *a-t-rá*, Tap *ta-rá* 'place of sth', SAbx, Tap prev. *ta-* 'inside', Tap *ta* 'stand, place of, home'
- *ta — SAbx, Ash *á-ta-ra*, Tap *á-t-ra* 'to give'
- *tápta — SAbx (AB II: 155) *a-tápta* 'fatty tumour, lipoma'
- *tág°ə — Bz (BD 219) *a-tág°* 'swelling of neck's glandule'
- *tak°az°ə — SAbx *a-ták°az°*, indef.sg. *tak°az°ə-k'* 'old woman', Tap *tag°žə-a* 'wife'; ~ prob. *ta 'stand, place of, home', *ak°ə 'to be, being', *az°ə 'old', lit. 'the old one which is inside (the house)'
- *taqə — Bz *a-taž-rá*, Abzh *a-taž-rá*, Tap *taqə-ra* '(to) wish, desire', Bz *a-tažə*, Abzh *a-tažə* 'close relative'
- *t-áća — Bz *a-táća*, Abzh, Ash *a-táća*, Bat (Fer) *a-tacə*, *a-táća* (Kil 25, 26, 31), Tap *táća* 'bride', 'daughter-in-law', 'sister-in-law'; ~ *ta 'place, home', *aća 'bride'
- *tač°ə — SAbx *a-tač°ə*, Tap (IX) *tač°ə* 'empty', SAbx *a-tač°-rā*, Tap *tač°-rā* 'to become empty'
- *t-áž°ə — Abzh: AB II: 150 (arch.), Tx, Ash (Ad 73) *a-táž°*, Tap *taž°* 'old woman', indef.sg *taž°-k'*; ~ *ta 'place, home', *az°ə 'old'
- *ta-ňá — SAbx *a-ta-ňa-rá* 'to die', *a-ta-r-ňa-rá* 'to kill, slaughter'; ~ sem. deriv. of *ta-ňa 'to be left/stuck inside'?
- *taix°ə-tax°ə — SAbx (AB II: 162) *-táix°-tax°-za* (adv.) 'sth round and tight'
- *tá-ha — SAbx *a-táća-ra* 'to visit (in older times - with presents)'; ~ *ta 'place, house', *ha 'to come'
- *tamšk°ág°ə — Bz (BD 35) *a-tamšk°ág°* 'small wooden hammer for sterilization of youngs of small cattle'
- *támħa — Abzh (AB II: 154) *a-támħa* 'pegs put against each other for preparing on them smoked or dry meat', Bz (BD 387) *a-tamħá* 'pegs to hang on them the shot animals or birds, hunter's provision, etc.', Tap *támħa* 'a pair of wheel-horses, or wheel-bulls (in a team while ploughing)'
- *tə — SAbx *a-tə*, Ash, Tap *tə* 'wether'

- **təbhá* — SAbx *á-tbaa*, Tap *təbhá* 'broad, wide, roomy'
- **təpə* — SAbx *a-təp* 'place, stand, halt, hut', Ash *a-təp* 'place, locality', Tap *təp* 'hut of a shepherd, hunter, mower', 'imprint', 'place chosen for building'
- **tə-phá* — SAbx *a-tə-phá* 'girl, virgin young woman', Tap: AbR 351 *t-phá* 'married woman (in relation to her brother and his family)', 1Gum: 'girl, representative of a certain family'; ~ **ta* 'place, house', **phá* 'daughter'
- **təʃá* — Bz (BD 46) *a-təʃá*, in compounds also *-təʃ-*, Abzh *a-təʃá*, Ash (SKuv) *təʃə*, (AD 64, 74) *təʃə*, Tap (AbR 348, Ps) *təʃə*, Indzh *təʃə* 'house, building', in SAbx also 'house with yard, farm, household', 'wall of the house', in Tap 'household', cf. also Tap (AbR 354) *təʒ-ta-l-χ'a* 'house-warming'
- **təʒə-amcə* — Bz (BD 44) *a-təʒ-amc* 'wall (of the house)'; ~ **təʒə* 'house'
- **təʒhá* — SAbx *a-təʒhá* 'spinster'
- **təshápə* — Bz *a-təsháp*, LAbx (AB II: 177) *a-təsháp* 'puffy (of belly)'
- **tə-há* — SAbx *táa* 'dim(ly)', *a-taa-rá* 'to grow dim, lose its lustre', *jə-bla t-r-áa* 'not blinking', Tap (IX) *jə-la-k'a tə-rr-há* 'tired eyes' (**tə-* 'from inside', *r-* causative)
- **təxə* — SAbx, Tap *təx* 'shoo (to a cat)'; in Bz also *təx̥*, *t(ə)x̥*; ~ onomat.
- **təha* — Tap *təha ca-rá* 'to marry'
- **tə-n-χá* — SAbx *a-tənχá* 'heir', *a-tənχa-ra*, Tap *tənχá* 'inheritance'
- **təjə* — SAbx *á-təj-ra*, Ash *təj-rá*, Tap: Gum *tjə-rá*, GA 193, IX *təj-rá* 'to sell', SAbx *jə-təjə* 'sell it!'
- **tə-rasə* — SAbx *a-təras* 'fern' (bot.); ~ cf. **rasə* 'id.'
- **tta* — Tap *tta-rá* 'to ravel out, unrip'
- **tš'a* — Bz *a-tš'á*, Abzh *a-tš'á*, Tap: 1Gum *tš'a* 'narrow, cramped'
- **tčážə* — SAbx *a-tčáž'-ra* 'to become rich; ~ abound in', Tap *tčáž'-ra* 'to revel, enjoy', 'to eat one's fill'; ~ < CCirc **tča-žə* 'id'
- **tħa* — SAbx *á-taa-ra* 'to reap the harvest (from the trees)'
- **tħac°á* — Bz *a-tħac°á* (BD 110)//*a-taač°á*, Abzh, Ash *a-taač°á*, Tap *tħac°á* 'family'; ~ *-č°a pl./hum suf.
- **tħášə* — SAbx *a-tħáš-ra* 'to swear'
- **tħamáda* — SAbx *á-tħamada*, U 162 *á-tħamada*, Tap *tħamada* 'old man'; ~ < CCirc **tħamada*
- **tħəh°ə* — SAbx *a-tħ°-áa*, *a-tħ°-ta* 'hollow, gully, ravine'
- **tlašə* — SAbx *a-tlaš* 'big (of a man)', Tap *tlaš* 'strong, powerful', 'thick', 'big, great'; ~ < CCirc **la-šə* 'id.'
- **trəšə* — Bz (BD 38) *á-trəš-ra*, Abzh (AB II: 170) *a-trəšs-ra* 'to startle', Tap *trəšs-ra* 'to rush, throw oneself towards sth', 'to attack'

9. **t*^o

- **t*^o*a* — SAbx *a-t^oá*, Ash *t^(o)a*, Tap *č^oa* 'hay'
- **t*^o*a* — SAbx *a-t^oá(-c'la)*, Tap *č^oa-č^oə* 'lime(-tree)' (*c'la* 'tree', *-č^oə* attrib. suf.)
- **t*^o*a* — SAbx *a-t^oá, a-t^oa-baa* (Amichba 1984: 99), Ash *t^oa*, LTap *č^oa-bħá*, IX *ča-bħá* 'pus'
- **t*^o*a* — SAbx *a-t^oa-rá*, Tap *č^oa-rá* 'to melt, fuse'
- **t*^o*á-t^oa* — SAbx *a-t^oá-t^oa-ra* 'to husk the grain out of ears'
- **t*^o*ə* — SAbx *a-t^oš*, Ash (GA 77) *t^oə*, Tap *č^oə* 'full', SAbx *a-t^o-rá*, Tap *č^o-ra* 'to fill'
- **t*^o*ə-r-y^ož* — SAbx *a-t^oə/a-r-y^ož*, Ash *t^oə-r-y^ož*, Tap *č^oə-r-y^ož* 'wooden spade, shovel'; ~ **y^oə* 'plank'
- **t*^o*ħ*^o*a* — SAbx *a-t^oħ^oa-ra*, Tap *č^oħ^oa-rá* 'to blow (by mouth)', also 'to cast a spell', SAbx *ħ^o-t^oħ^oa*, Ash *ħ^o-t^oħ^oa* 'charm, exorcism'

10. **t'*

- **t'**a* — SAbx *a-t'a-rá* 'to ladle, scoop out'
- **t'**a* — Bz (Lyx) *a-t'a-rá*, Abzh *a-t'-rá* 'diarrhea'
- **t'*^o*á-t'**a* — SAbx *a-t'á-t'a*, Tap *t'á-t'a* 'soft, mild, not solid'
- **t'**at'**a* — SAbx *t'á-t'a, t'aat'á* 'small, good(y), pretty' (SBL), Ash *t'at'a, t'aat'á* 'pretty, good(y), tasty', Tap *t'at'á* 'small, good(y), pretty, nice' (SBL)
- **t'**ak*^o*ə* — Abzh *t'ak*^o*ž* 'fair amount (mostly of time)', Ash, Tap *t'ak*^o 'a little, a bit'; ~ < CCirc **t'**ak*^o*ə* 'id.'
- **t'**asá* — SAbx *a-t'sá*, Ash *t'asá*, Tap *t'sa* 'lead'
- **t'**áxsa* — SAbx *a-t'áysa* 'weak, languid, exhausted (often of an ill person)', Tap *t'áxsa* 'not strong, weak', 'poor'; ~ < Bzh *t'axsă* < CCirc **t'**asxă* 'id.'
- **t'**amá* — SAbx *a-t'amá* 'peach', Bat: Fer *a-t'amž* (Kil 25), Sam *ħ^o-t'ama*, Ash *t'amá* 'apricot', *ʒən t'amá* 'peach' (*ʒən* 'winter')
- **t'**am-t'áma* — SAbx *ħ^o-t'amt'am* 'soft, plump', *jə-t'amt'ám-wa* 'soft (of dough, ripe fruit)', Tap *t'am-t'ám* 'stout, corpulent, plump', 'ripe (of soft juicy fruit)'
- **t'**arž* — SAbx *ħ^o-t'ar-ra* 'to be flexible, viscous, bending', Abzh *ħ^o-t'ar-t'ar-ra* 'tall and lithe, elegant (of man)'; ~ redupl.
- **t'**ə* — SAbx *a-t'ə* '(eagle-)owl', Ash (Aps) *a-t'ə-ž^o* 'owl', Tap *t'ə* 'eagle-owl' (AbR 373)
- **t'**ə* — SAbx *a-t'-rá*, Tap *t'-ra* 'to open', SAbx imper. *j-aa-r-t'ə* 'it-Prev-Caus-open!', Tap *j-q-t'ə-ta* (adv.) 'openly', *a-t'-la-rá*, Tap *t'-la-ra* 'to rip' (-la- VRE)

- **t'əwpə* — SAbx (AB II: 142, Dир 16) *a-t'əp(-c'la)* Rus ‘лаконос’, ‘elder’, Dир ‘*Viburnum opulus*’, Tap *t'əwp(-c'la)* ‘elder’ (*c'la* ‘tree’)
- **t'əq'ə* — SAbx (AB II: 141) *a-t'əq'-ra* ‘to beat unmercifully’, Bz (Bl) *á-t'əq'-h'a* ‘quickly, instantly’, Tap *t'əq'-t'əq'* ‘descr. of hollow nock, tap’; ~ onomat.
- **t'əq"ə* — Abzh (AB II: 141) *a-t'əq"* ‘butt, back (e.g. of axe)’
- **t'əša* — Bz *a-t'əš(a)*, Abzh *a-t'əša* ‘deep hole, pit’
- **t'əf"ə* — SAbx (AB II: 142) *a-t'əj"*, Bz: A 57 *a-t"əj"*, IM *a-t"əja*, Ahch *a-t'əj"ə* ‘monster swallowing sun, or moon (during eclipse)’ (folk.), SAbx (AB II: 142, RA 229) *a-t'əj"-k'-ra* ‘solar/lunar eclipse’ (-*k'* ‘to catch’); ~ labialization in Bz and Ahch may be secondary (due to contamination with *a-t"əj"ə* ‘horn?’); in IM *j"* is delabialized
- **t'ə-f"ərə* — Bz *a-t'ə-j"arj"ar* ‘barn/screech-owl’ (BD 223), Zw *a-t'ə-j"ərj"ər* ‘wild turkey’ (?), Abzh (BD 223) *a-t'-j"arj"ár* ‘barn/screech-owl’
- **t'ərə-t'ərə* — Bz (Bl, Dzh) *á-t'ər-t'ər-ra* ‘tall and lithe, elegant (of man)’; ~ var. of **t'arə*
- **t'əf"ə-ša* — SAbx *a-t'əj"əša*, Tap *t'əf"əš* ‘sulphur’; ~ **t'əf"ə* ‘dragon’, **ša* ‘fat’
- **t'əwra* — SAbx (AB II: 138) (*a-bna-*)*t'əwra* ‘thicket’ (*a-bna* ‘wood’), Sa *a-t'əwra* ‘forest’, Tap *t'əwra* ‘weeds’ < Geo *t'ewr-i* ‘thick forest’ (?)
- **t't'a* — SAbx *a-t't'a-rá*, Tap (RAb 423) *t't'a-ra* ‘to tear, ravel out’
- **t'q'āpə* — SAbx (AB II: 137) *a-t'q'āp* ‘slime, mud’

11. **t"*

- **t"ə* — SAbx *a-t"ə-rá*, Ash *t'(")a-rá*, Tap *č"ə-rá* ‘to sit (down)’, in SAbx also ‘to be somewhere’, ‘to stop’, ‘to settle’ (AB II: 143)
- **t"ə-č'á* — LAbx (AB II: 143) (*a-pħ"əzba*) *a-t"əx'á*, Tap (IX) (*pħ"əspa*) *č'ax'á* ‘spinster’ (*a-pħ"əzba/pħ"əspa* ‘girl’); ~ **t"ə* ‘to sit’, *-*č'á* perfective suf.
- **t"ánə* — SAbx *a-t"ən*, Tap *č"ən* ‘broth, beef-tea’
- **t"ə* — SAbx *a-t"ə-rá*, Tap *č"ə-za-ra* ‘to possess, belong to’, SAbx also ‘slavery’, *a-t"əž* ‘slave’, Ash (AD 10) *s-t'ə* ‘mine’, Tap (GA 48) *č"ə* ‘property, possession’, SAbx *-t"ə(ə)*, Tap *-č"ə* attrib./poss. suf.
- **t"əf"ə* — Bz *a-t"əj"(a)*, Abzh *a-t"əj"ə*, Ahch, Sa *á-t"j"ə*, Tap *č"əh"ə* ‘horn’
- **t"əla* — SAbx *a-t"əla* ‘country, land’, Tap (IX) *č'əla* ‘land’; ~ **t"ə* ‘to possess, belong to’, *-*la* ‘related to’
- **t"γ"ə* — SAbx (AB II: 143) *a-t"γ"əž* ‘thigh, hip’, ‘head of the thigh bone’ (anat.), ‘basement of the tree trunk’
- **t"γ"ə-r-psə* — Abzh (BD 227, AB II: 143) *a-t"γ"ərpsa-ra* ‘to grow thick, bush out’, Bz (BD 227, cf. also AB 146) *a-t"ərpsa-rá* ‘id’

12. *g

- *ga — SAbx, Ash *a-ga-rá*, Tap *ga-rá* ‘to carry, bring, take’, ‘to spread (of sound or smell)’
- *gabáda — Bz *a-gabáda* ‘fool man’; ~ cf. **kabada*
- *gagá — Abzh *á-gaga*, Bz *á-gag* ‘shadow, reflection’, ‘spirit, goast’
- *ga-žá — Bz *a-ga-žó*, Abzh *a-ga-žá* ‘silly, fool’; ~ cf. **aga* ‘fool’
- *gač'ám-k'a — SAbx (AB I: 134) *á-gač'ám-k'-ra*, Bz (BD 104) *a-gač'ám-k'-ra*, also *a-gač'án-k'-ra* ‘to be puzzled, lose one's head’
- *gaz-gazá — LAbx *a-gazga-rá*, Bz *á-gazgaz-ra* ‘to surge, swell, oscillate (about big masses of water)’
- *gana — SAbx *a-gán* ‘side’, Ash *gana*, Tap (NTab 20) *ganá* ‘width’; ~ < Geo *gan-i* ‘side, width’
- *gára — Bz *a-gár*, Abzh *a-gára*, Tap *gára* ‘cradle’; ~ onomat., cf. Bz *á-gar-čar-ra* ‘to shake’ (M 154), SAbx *a-garž-gača-ra* ‘to waddle’
- *gə — SAbx *á-g-ža-ra* ‘to lose flesh’ (tr.), ‘to be late’ (itr.), ‘lack of sth’, *a-g-rá* ‘defect, lack of sth’, Tap *g-ža-ra* ‘to lack’
- *gəbə — SAbx *a-gəb-ra* ‘process of producing thread’; ~ ‘to wash the cotton stuff’
- *gədž — SAbx *á-gəd-ra* ‘hight’
- *gədž(jə) — SAbx *a-gdž*, (AT 17) *á-gəd*, Ash (AD 221) *a-gdá-ž*; Tap *gdəj* ‘hornless’
- *gəg-č'a — SAbx (AB I: 141) *a-gəg-č'a r-gəla-nə* ‘bristling up’, Bz (Esh) *a-gəg-məc'-k'a* ‘busom of a girl under puberty’
- *gəgə-š'ágə — SAbx *a-gəgš'ág* ‘beast’, ‘cruel (man)’
- *gə-ž'ž — SAbx *a-gə-ž'-ra* ‘to reduce’, ‘not to pay enough attention’
- *gəzmálə — SAbx *á-gəzmal* ‘devil, deuce, witch’, ‘sly, cunning (man)’
- *gəmtž — SAbx *a-gəmtž* ‘ugly, stupid (man)’
- *gəndž — Bz *a-gəndž-pśa* ‘a kind of bigger dowry which takes the handsome bridegroom if the bride is not beautiful’; ~ *pśa* is ‘cost’
- *gónə-č'ə-šə — Abzh (AB I: 142) *a-gón-č'əs* ‘one-year old piglet’
- *gəla — SAbx *a-gəla-ra*, Ash *gəla-ra*, Tap *gəl-ra* ‘to stand’
- *gərž — SAbx *á-gər-t'*, Marr (Arch, p. 230) *á-gər-k'(ə)t'a* ‘epilepsy’, *a-gər-žá-t'* ‘sacrifice offered during prayer against migraine’ (*žá-t'* ‘sacrifice’), *a-gər-ž-nəħ'a* ‘prayer against headache, nose bleeding, etc.’
- *gərə-gərə — SAbx *a-gərgər-ra* ‘to waddle’
- *gə-r-g°ž-cə — SAbx (AB I: 142) *a-gə-r-g°ž-c* ‘berry’
- *g-č'a/ž — SAbx *a-gč'a-rá* ‘to be in the corner’, ‘to lie (of corpse)’, *a-gč'ə-j°-rā*, Bz *a-gč'ə-j°-rɔ* ‘corner’ (*č'a/a* ‘mouth’ > ‘façade’)
- *g-r-ap'a — SAbx *á-grap'a-ra* ‘path in the snow’; ~ **r-ap'a* ‘to press, squeeze’

13. *ḡ-

- *ḡá — SAbx *a-ḡ* 'vulva', for *-a* cf. *ḡá-m-áz̄* 'young girl's vulva' (*-m-* negation, *az̄* 'old')
- *ḡabž̄alá — Abzh (AB I: 143) *a-ḡabž̄alá* 'dish made of cheese, boiled with various spices'
- *ḡaḡá — Abzh *a-ḡaḡá*, Tap *ḡaḡá* 'circle', 'round', SAbx: AB I: 143 *a-ḡaḡá-ra*, Bz *a-ḡaḡá-rá* 'to to take care of smb/sth attentively', 'to make quickly and skilfully', Tap *ḡaḡá-rá* 'to turn around', *ḡaḡá-ra* 'circumference, circle'
- *ḡáz̄ — SAbx *á-ḡá/až̄* 'wheel', 'circle', 'round', *á-ḡáz̄-ra* 'to turn around', 'to return back', imper. *wə-ḡáz̄* 'return back!', Tap *ḡáz̄* 'round', *ḡáz̄-rá* 'to roll'
- *ḡáma — Abzh *a-ḡáma*, Bz *a-ḡám*, Ash *ḡáma*, Tap *ḡáma* 'taste'; ~ < Geo *gemo* 'id.'
- *ḡamə-ḡáma — SAbx *a-ḡamḡám-ra* 'to become full, rosy (of face)'
- *ḡanḡášə — SAbx *a-ḡanḡáš*, Bz also *a-ḡarḡáš* (AF 60) 'insidious, evasive, cunning (man)'
- *ḡalá — SAbx *á-ḡala-ra* 'to swing, reel, stagger', 'to gad about', Ash (AbR 144) *ḡala-ra* 'to idle, loaf'
- *ḡalá-ḡalá — SAbx *a-ḡalḡala-rá* 'to dangle'; ~ redupl. of *ḡala
- *ḡala-sa — Tap *ḡala-sa* 'plumb, plummet' (tech.)
- *ḡal-déžə — Bz *a-ḡaldéž* 'idler, lounger', 'awkward, clumsy', SAbx *á-ḡaldəz-ra* 'to idle, loaf', 'to droop, dangle (of sth heavy)'; ~ must be a deriv. of *ḡala
- *ḡarḡálásə — SAbx *a-ḡarḡálásə*, Bz *a-ḡarḡálás* (Lyx-M 33) 'wattled circle, which is put around animal's neck before it is tamed', M 33: 'wattled circle to put on the neck of a female buffalo after giving birth to a young or generally used to tether buffaloes', 'circle'
- *ḡarḡálás̄ — SAbx *a-ḡarḡálás̄*; Bz also *a-ḡarḡálás̄* (AF 60) 'very tall, awkward, leggy, lanky'
- *ḡarə-ḡárə — Tap *ḡar-ḡar* 'rattle' (onomat.)

14. *ḡ°

- *ḡ°a — SAbx, Tap *á-ḡ°a-ra* 'to push, shove'
- *ḡ°-a-báća-q'á — Bz *a-ḡ°abáćaq'á(a)*, Abzh *a-ḡ°abáćaq'á* 'thorax'; ~ *ḡ°ə 'heart', *baća-q'á 'wattle'
- *ḡ°-ápš̄ə — SAbx (AB I: 152) *a-ḡ°ápš̄* 'core, pith, heart (of plants)', 'pupil (of the eye)'
- *ḡ°-a-přá — SAbx *a-ḡ°apřá-rá* 'to like', 'wish, desire, liking', Tap *ḡ°apřá-ra* 'wish,

- desire', *g°apxa-rá* 'to like'; ~ < **g°ə-a-pxa* "heart-direct.-warm"
- **g°-á-ta* — SAbx *a-g°áta* 'note', *a-g°-á-ta-ra* 'to notice, survey, try, observe', Tap *g°-á-ta-ra* 'to remember', 'understand', 'rememberance', 'understanding'; ~ < **g°ə-a-ta* "heart-direct.-give"
- **g°-atája* — SAbx *á-g°ataj-ra* 'to fuss, bustle, worry'
- **g°-at'a-byát'a* — Bz (BD 233) *g°at'a-byát'a* 'calmly, quietly'
- **g°ák'a* — SAbx *a-g°ák'a* 'related, close, relative (by blood)', *a-g°ák'a-ra* 'sincerity'
- **g°-á-q°a* — Bz *a-g°áx'a* 'joy, gladness', *a-g°-áx'a-ra*, Abzh *a-g°áx'a-ra* 'to like'; ~ < **g°ə-a-q°a* "heart-direct.-help"
- **g°-á-q°a/a* — Bz *a-g°áx'(a)-ra*, TuBz *a-g°áx'-ra*, Abzh *a-g°áx'-ra* 'to think, suppose, regard, consider',
- **g°áq'ə* — SAbx *a-g°áq'* 'martyr', 'unhappy (man)', *a-g°áq'-ra* 'torment, suffering, unhappiness', 'poverty', 'to suffer, feel unhappy', 'to be sick', 'to hurry, hasten', *g°áq'-rə-la* 'hardly, with difficulty', Ash (AbR 130-131) *g°aq'-ra* 'to hurry, hasten', 'to worry, be troubled', 'haste, hurry', 'trouble, anxiety'; ~ < Bzh *g°a?ă* < CCirc **g°ə-q'a* 'id.'
- **g°-a-q'ə=c"a-q'ə* SAbx *a-g°aq'-c"aq'-ra* 'to hurry, haste'; ~ **g°ə* 'heart', **c"a* 'liver', **q'ə* 'to squeeze' (?)
- **g°-a-q"ə-pə* — Tap *g°aq"-p-ra* 'trouble, anxiety', *g°aq"ə-r-pə-ga* 'causing anxiety, irritation'
- **g°-á-c'aya* — SAbx (AB I: 156) *a-g°ác'aya-ra* 'the lower part of thorax'; ~ < **g°ə-a-c'aya* "heart-its-thinness"
- **g°-a-c"a* — SAbx *a-g°ac"á*, Bz also *a-g°ac"ə* (BD 276), Ash (Kondzh 27) *g°ac"á/1c"ac"a* 'liver', Tap (AbR 133) *g°ac"a* in the compound *g°ac"a-rapha* 'internal organs, mostly of animals' (*rapha* 'lung'); ~ cf. **c"a*
- **g°-a-čanə* — SAbx *a-g°ačan-rá*, *a-g°ačanə-z-aa-ra* 'vigilance, watchfulness, caution'
- **g°-á-sə* — Bz *a-g°á-s-ra//a-g°d á-s-ra* 'to beat at the breast', 'to worry, be anxious', Tap *g°as-ra* 'offence, injury'; ~ **g°ə* 'heart', **a* directional aff., **sə* 'to beat'
- **g°-áša-ňa* — SAbx (AB I: 157) *a-g°áša-ňa-ra* 'to worry, suffer'; **g°ə* 'heart', **aša* 'bitter', **ňa* 'to become'
- **g°á-š'a* — Bz *a-g°áš'*; Abzh *a-g°áš'a* 'pole, pillar, column, support; ~ **š'a* 'foot'
- **g°-aš"á* — Abzh *a-g°aš"á*, Bz *a-g°š"á* (AB I: 157, 169) 'caress, endearment, desire, wish', Abzh *a-g°aš"á aħ"a-ra* 'to calm, soothe' (*a-ħ"a-rá* 'to say')
- **g°-áš"ə* — SAbx *a-g°áš"*, Tap *g°aš"* 'gate'; ~ **aš"ə* 'gate'
- **g°-áyə* — SAbx *a-g°áy'* 'spite, anger'
- **g°-áy'ə* — SAbx *a-g°áy'* 'semen, stone (of the fruit)', 'talant, sharpness, wit', *á-g°ay'-ra* 'boldness, courage, resoluteness'; ~ **g°ə* 'heart', **ay'a*

- ‘seed’
- **g°-áh°a* — Bz *a-g°áj°(a)*, Abzh *g°áj°a* ‘precipace, abyss, hollow (also of a tree)’, ‘deep’, ‘empty, hollow’, Ahch also ‘district/part of village’, SAbx *a-g°áj°a-ra* ‘hollow (also of a tree), gorge, ravine’, Tap *g°ah°á* ‘deep’, *g°ah°a-rá* ‘hollow, gorge, ravine’
 - **g°-ámč°ə* — Bz *a-g°ámč°//a-g°ánč°*, Abzh *a-g°ámč°* ‘hot-tempered’, Bz *a-g°ámč°-ra* // *a-g°ánč°-ra*, Abzh *a-g°ámč°-ra* ‘to be nervous, worried, angry’, ‘offence, injury, chagrin, spite, irritability’
 - **g°ála* — SAbx *a-g°ál* ‘clod’, Tap *g°al* ‘goitre, wen’ (med.)
 - **g°-á-la* — SAbx *a-g°ála* ‘offence, injury, discontent, resentment, anxiety’, Ash *g°ala-c'a-ra* ‘anxiety’ (*c'a* ‘to put’), Tap *g°ala* ‘dream, hope’, *g°al-ʒ-ha-ra* ‘anxiety’; ~ **g°ə* ‘heart’, **a* directional aff., **la* ‘go, enter’
 - **g°-á-la-s°a* — Bz *a-g°álaš°a-ra* ‘recollection, memory’, Tap *ha-g°álaš°a-ž-ra* ‘recollection, memory’, ‘to recollect, remember’; ~ **g°ə* ‘heart’, **a* directional aff., **la*- ‘in the mass’, **s°a* ‘to fall’
 - **g°-a-n-č'ž-ž'a* — SAbx (AB I: 151) *a-g°anc'žž'a* ‘offence, injury, pretension’
 - **g°ára* — Bz *a-g°ár(a)*, Abzh *a-g°ára* ‘yard’ (Bz), ‘cattle-yard’, ‘fence’, Ash (Aps) *a-g°ára* ‘wattled fence’, Tap *g°ára* ‘fence’
 - **g°ára* — SAbx *d-g°ára-w-p'* ‘he wanders, strays’; ~ sem deriv. of **g°ara* ‘yard, fence’?
 - **g°ár-pə* — SAbx *a-g°árp* ‘part of big yard around the house’ (BD 229); ~ **g°ára* ‘court, yard’, **pə* ‘nose’ > ‘front’, ‘before’
 - **g°ártə* — SAbx *a-g°ártə* ‘herd, flock’, ‘big quantity of sth, smb’, Ash, Tap *g°ártə* ‘herd, flock, pack’
 - **g°-a-r-gá* — Bz *a-g°a/ə-r-ga-rá* ‘to offend’
 - **g°ə* — SAbx *a-g°ə*, Tap *g°ə* ‘heart’, ‘middle, centre, core’, ‘stone (of fruit)’
 - **g°ə-bəžə* — Bz (Oth) *a-g°-bəž(-k')-rā* ‘gladness, joy’, *jə-g°ə bžə-jt'* ‘he was happy’
 - **g°əbzəžə* — SAbx *a-g°əbzəžy* ‘tender, sweet’, Tap *g°əbzəžya* ‘smart, intelligent’; ~ < CCirc **g°ə-bza-yə* ‘clever, intelligent’
 - **g°ə-bžə-žə* — SAbx (AB I: 158) *a-g°ə-bžə-žə-rā* ‘doubt, hesitation’
 - **g°əbyán* — SAbx *g°əbyán* ‘reprimand, reproof, reproach’, Tap *g°əbyan* ‘offence, resentment, displeasure, discontent’; ~ < Circ **g°ə-bya-n* ‘reproach, offence’
 - **g°əpə* — SAbx *a-g°əp*, Tap *g°əp* ‘group, collective, company’, in SAbx also ‘a group of shepherds’
 - **g°ə-tá* — SAbx *a-g°tá* ‘centre, middle’, Tap (AbR 135) *g°ta* ‘dream, desire’; ~ **g°ə* ‘heart’, *-*ta* ‘place of’
 - **g°əg°ə* — SAbx *a-g°əg°-ra* ‘to crowd, throng’, ‘den, lair’ (hunt.: AB I: 170), AT 19: ‘to lie down (of swine)’, Tap (AbR 431) *č°a-r-g°ag°* ‘sleepy’ (*č°a* ‘dream’, *r-* causative)

- **g°ə-k'ə* — SAbx *a-g°k'ə* 'attractive, pretty', *a-g°k'ə-ra//a-g°k'-rā* 'attractiveness, attachment, affection', *a-g°k'-rā* 'to miss smb/sth greatly, languish'; ~ **g°ə* 'heart', **k'ə* 'to hold, seize'
- **g°ə-q°ə* — Bz *a-g°əx̄*, Abzh *a-g°əx̄* 'flour food (bread, corn pap, etc.); ~ **g°ə* 'heart', **q°ə* 'food', 'share'
- **g°ə-q'əč'ə* — SAbx (AB I: 161) *a-g°q'əč'-ga* (adj.) 'calm, soothing' (-ga instr.)
- **g°əʒā* — SAbx (AB I: 160) *a-g°ʒā* 'fine (of dry substances)', 'soft, mild' (AB I: 104: of wool)
- **g°əʃə* — Bz *á-g°(ə)ʃ̄-ra*, M 31 *a-g°əʃ̄-rā*, imper. *də-g°ʃ̄* 'kiss him/her!', Abzh *a-g°(ə)ʒ̄-ra*, Ash (RAb 552) *g°ʒ̄-ra*, 1Gum *g°əʒ̄-rā* 'to kiss'
- **g°ə-c'ah̄ā* — Bz (BD 204) *a-g°c'ah̄ā* 'the upper beam of the wattled house'
- **g°ə-c(')qa* — Bz *a-g°əc̄xa*, Axu *a-g°əc̄x̄a* 'worry, anxiety'; ~ **g°ə* 'heart'
- **g°ə-c(')q̄ə* — Bz (BD 64, M 30) *a-g°əc̄x̄ə*, Axu *a-g°əc̄x̄ə*, BD 302 *a-g°ac̄x̄ə*, Abzh *a-g°əc̄x̄ə* 'close relative', M 30: 'close friend'; ~ **g°ə* 'heart'
- **g°ə-c̄ə* — SAbx *a-g°əc̄* '(tree) trunk', 'head, heart of the abscess', 'wit, intelligence'; ~ **g°ə* 'heart'
- **g°ə-c̄q'árə* — SAbx (AB I: 168) *a-g°əc̄q'árə* 'poor, mendicant', 'naked'; ~ **g°ə* 'heart'
- **g°ə-c'a* — SAbx (AB I: 180) *a-g°əc'a* 'belly (of animals)'; ~ **g°ə* 'heart'
- **g°ə-c'-apšə* — Bz *a-g°əc'apšə* 'барабуля' (icht.); ~ **g°ə-c'a* 'belly (of animals)', **apšə* 'red'
- **g°ə-čə* — SAbx (AB I: 169) *a-g°čə* 'crest-fallen, dejected', *a-g°č'-rā* 'to become dejected'; ~ **g°ə* 'heart'
- **g°ə-č-pə* — SAbx *a-g°əspə*, Ash (Kondzh 27) *g°əspə//g°əcpə*, Tap *g°əcpə* 'bosom'; ~ **g°ə* 'heart'
- **g°ə-š-c'a* — Abzh (AB I: 181) *a-g°əšc'a* 'busom, breast', 'belly', *á-ž̄j'an a-g°əšc'a* 'dome of heaven'
- **g°ə-č'əy'ə* — SAbx *a-g°č'əy'(-ra)*, Tap *g°č'əy'-ra* 'boredom, tedium'; ~ **g°ə* 'heart'
- **g°ə-č'áma* — Bz (BD 160) *a-g°č'ám* 'chicken legs (as a dish)', A 56 'thigh', M 33 'pelvic bones', Abzh *a-g°č'áma* A 56 'thigh', AB I: 168 'pelvic bone', 'pelvis', 'leg, round (of animals, birds)'
- **g°əž'áz'a* — LAbx (AB I: 160) *a-g°ž'áz'a-ra* 'anxiously, pitifully muttering', Tap (1Gum) *g°ž'áz'a-ra* 'to hurry, haste', 'to be anxious, to trouble, worry'; ~ < Abdz *g°ə-ž'áz'a* < CCirc **g°ə-zaz'a* 'id.'
- **g°əž'əp'a* — Bz *a-g°əž'əp'a*, Abzh *a-g°əž'əp'a*, Tap *g°əž'əp'a* 'hard-hearted, cruel, heartless'; ~ **g°ə* 'heart', **ž'əp'a* 'thick'
- **g°əž'ə* — SAbx, Ash *a-g°əž'* 'mule'
- **g°əš'a* — SAbx, Tap *g°əš'a* part. expressing sorry, discontent, or meaning 'poor (often of a dead person)'
- **g°əy'a* — SAbx *a-g°əy'-ra* '(to) hope', Tap *g°əy'a* 'hope, goal, dream', Ash (AD 89), Tap *g°əy'a-ra* 'to hope'; ~ < CCirc **g°ə-y'a* 'hope'
- **g°ə-y'ə* — SAbx (AB I: 171) *a-g°əy'-ra* 'to get tired of weeping, laibour', 'to

- faint'; ~ **g°ə* 'heart'
- **g°ə-γ̄á* — Bz (AF 127) *a-g°əγ̄-ra*, Ash (AbR 137) *g°əγ̄-ra* 'resoluteness, risk', 'to decide, venture, risk'; ~ cf. **g°-aȳá*
- **g°ə-ħ̄á* — SAbx *a-g°j̄á-ra* 'suspicion, doubt', Tap *g°ħ̄á-ra* 'foreboding, anxiety, uneasiness, suspicion'; ~ **g°ə* 'heart'
- **g°ə-ħ̄ə-ba* — SAbx *a-g°ə-j̄-ba-ra* 'feeling of doubt, dubiousness', Tap *g°ə-ħ̄-ba* 'doubtfull, undecisive, hesitating'; ~ **g°ə* 'heart', **ħ̄ə* 'two', **ba* 'to see'
- **g°ə-ħ̄ə* — SAbx *a-g°ħ̄ə* 'greedy', *a-g°ħ̄-rá* 'greediness'; ~ **g°ə* 'heart', **ħ̄ə* 'to turn'
- **g°ə-ħ̄-pá* — Bz *a-g°(ə)ħ̄pá*, Abzh *a-g°(ə)pħ̄ə* 'woman's busom', 'brest', 'upper front part of shirt' (AB I: 163); ~ **g°ə* 'heart'
- **g°ə-ħ̄č̄ə* — SAbx (AB I: 168) *a-g°əħ̄č̄ə* 'midday'; ~ **g°ə* 'heart'
- **g°əma* — SAbx *g°əma* 'animal or man with some defect, underdeveloped', *až°-g°əma* 'cow with small udder'
- **g°ə-bž̄á-č̄ə* — SAbx (AB I: 162) *a-g°əmž̄áč̄ə*, Bz (BD 106) also *a-g°əbž̄áč̄ə* 'chisel'; ~ **g°ə* 'heart'
- **g°ə-m-ħ̄xa* — SAbx *a-g°əmħ̄xa*, Ash, Tap *g°əmħ̄xa* 'bad, nasty, wicked'; ~ **g°ə* 'heart', **mə* negation, **ħ̄xa* 'remain'
- **g°ə-la* — SAbx *a-g°əla*, Ash (AD 68) *á-g°la*, Tap *g°la* 'neighbour'; ~ **g°ə* 'heart', **la* 'relation'
- **g°ə-la* — SAbx *a-g°əla(-z-aa)-ra* 'to be inside, in the middle of sth', 'to search in the middle of sth (e.g. in the book)', 'to stuff, fill inside of sth'
- **g°ə-(p-)la-c'á* — SAbx *a-g°lac'á* 'pin', Tap *g°plac'a* 'brooch'; ~ **g°ə* 'heart', **pə* 'front' (// **g°ə-pə* 'chest'), **la-c'á* 'to stick in the mass'
- **g°ə-la-r-sə* — Abzh (BD 204, AB I: 161-2) *a-g°láršə* 'the upper beam of the wattled house', AB I: 161-2 'the upper beam of the roof'; ~ **g°ə* 'heart'
- **g°ə-nə-ħ̄a* — SAbx *a-g°nə-m-j°a* 'muddle-headed, stupid, absent-minded' (-*m-* negation), Tap *g°ən-ħ̄-ra* 'to perceive, understand, comprehend', 'be in peace with', 'to agree', 'to make agreement, arrangement'; ~ prev. *g°ə-nə-* 'in the heart', **ħ̄a*/ə 'to listen'
- **g°ə-rá* — Bz *a-g°rə*, Abzh *a-g°rá* (A 62) 'trust(fulness)', *a-g°-ra-ga-rá* 'to trust'
- **g°(ə)ráħa* — SAbx *a-g°ráħa* 'big axe' (arch.), Tap *g°(ə)ráħa* 'axe'
- **g°ərə* — SAbx *a-g°ərə*, Tap *g°rə* 'needle'
- **g°(ə)rámə* — SAbx *a-g°rám-ra* 'to grumble, mumble', Tap *g°rəm* 'moan, groan', *g°rəm-ra* 'to moan, groan', 'to moo, bellow (of animals)'; ~ onomat.
- **g°ər-g°ər/lə* — SAbx *a-g°ərg°əl* 'wheel, hoop', *a-g°ərg°əl mac'az* 'wedding-ring', Tap *g°ərg°ər* 'ring (of chain, chain armour, etc.)', 'small metal wheel'
- **g°ər-y'a* — SAbx *a-g°əry'a-ra*, Bz (BD 128, 173) also *a-g°áry'a-ra*, *a-g°əy'a-ra*, Ash (AD 46) *g°əry'a-ra*, Tap *g°əry'a-ra* 'to be glad', 'gladness, joy',

- SAbx *a-g°áry'a* 'gladness, joy'; ~ **g°a* 'heart', -*r*- caus., **ay'a* 'good' (in BD 173 - another etym.)
- **g°a-r-h°á* — SAbx *a-g°ərj°á*, Tap *g°ərh°a* 'thought, grief, worry', Tap *g°ərh°a-ra* 'to torment oneself with worried thoughts'; ~ **g°a* 'heart', -*r*- caus., **h°a* 'dry'
- **g°g°á* — SAbx, Tap *a-g°g°á-h°a* 'descr. of noise caused by movement of heavy objects, or of crash of logs in the fire', Tap *g°g°a* 'descr. of noise of moving transport'; ~ onomat.

15. **k*

- **kabáda* — SAbx *a-kabáda*; cf. **gabada*
- **kapəj-x°a-(r-)šə* — SAbx *a-kápəjx°arš* (AB I: 349), Bz (Dzh) *a-kapəjx°áš* 'kind of worms living in tree trunks'; ~ **x°a* 'worm'
- **káda* — SAbx (AB I: 348) *a-káda* 'side(s)'
- **kátə* — SAbx (AB I: 349) *a-kát* 'foam, scum on the surface of liquid'
- **káka* — SAbx (AB I: 348) *a-kákə* 'grown thick, bushed out (of plants)', -*kákə-za* 'thickly, simultaneously going up (of plants, hair)'
- **káca* — Tap *kac* 'interj. to dry away goats'; ~ cf. **kacə*
- **kaca* — Tap *kaca-ra* 'to shake'
- **káca-káca* — Bz *kac-kac*, Tap *kac-kac* 'interj. to call (adult) goats'; ~ cf. **káca-káca*
- **kač'á* — SAbx *a-la-r-kač'á* 'dog fever' (*a-lá* 'dog') (AT 40), *a-čə-r-kač'á* 'horse fever' (*a-č'á* 'horse') (AT 132), also in reduplicated form: Abzh (AB I: 349) *á-kač'kač'á-ra*, Bz *a-kač'kač'á-rá* 'to shake, shiver, tremble'
- **kač'ž* — SAbx (AB I: 349) *á-kač'aa* 'wood-goblin' (-*aa* hum pl. suf.), Tap *kač'-k'ə* 'naughty, mischievous', *kač'-k'-ra* 'to be mischievous, naughty' (**k'ə* 'to hold, seize'); ~ Tap *č'* instead of *č''* may be due to usual deglottalization of the first consonant in a cluster with two glottalized, i.e. **č'k'* > *č'k'*; **kač'ž* can be a loan from Geo *kaž-i* 'devil, goblin' (?), cf later SAbx loan *a-káž'-aa//a-káž'-k'a* 'evil goast' (mith.)
- **kuš°á(-kas°á)* — LAbx *a-(kaš°-)kaš°a-rá*, Ahch *a-kaš°-kaš°a-rá*, Tap *kaš°-kaš°a-ra* 'to heave, sway, flutter (of grass, dress, etc.)' .
- **kamžə* — SAbx (AB I: 349, BB) *a-kamž* 'long, beautifully falling down (of hair)'
- **kámp'ərə* — SAbx (AB I: 348) *a-kámp'ər* 'a kind of umbellate plant with white floscule'
- **kamfafára* — SAbx *a-kamfafárl//a-kamfafál* 'curly(-headed), leafy, bushy'
- **kamsa* — Tap *kamsa* 'third stomach (of ruminant animals)' (anat.); ~ cf.

**kámsa*

- Bz *a-káms*, Abzh *á-kamsa* (BD 141), Tap (GA 46) *kámsa* 'shaggy'
- SAbx (AB I: 348) *a-kamsa-rá* 'to work as a (farm-)labourer', 'to dance (awkwardly, clumsily)'
- SAbx *a-kamsás* 'shaggy, downy, fluffy'
- Tap *kəb* 'bushes, shrubs'
- SAbx *a-kdə*, Tap *kdə* (both in compounds and plural show *-kəd*) 'stump, stub, block', in SAbx (AB I: 350) also 'irons, shackles'
- SAbx *a-káta*, Ash *a-kát*, Tap *kət* 'village'
- SAbx *a-kəž'-kəž'-ra* 'to shake, tremble'; ~ onomat.
- SAbx *kəc* interj. to drive away goats; ~ cf. **káca*
- Bz *káč(a)-káč(a)*, Abzh *káč-káč* 'interj. to call goats'; ~ cf. **káca-káca*
- SAbx (AB I: 351) *a-káč* 'small thin dry stem, stalk', *a-káč-máč* 'dry stems', 'hairs'
- Abzh *-kəzə-kəz-wa*, Bz (BB) *-kəzə-kəz-wa* 'to swarm, teem (with)'; ~ onomat.
- SAbx *a-káz* 'one year-old goat'
- SAbx *á-kəmkəm-ra* 'to be greedy'; ~ onomat.
- SAbx *a-klapád*, *a-kalpád*, Tap *λapád* (older generation), *x'apád* (youngers and middle-aged) 'sock, stocking'; ~ < CCirc **λa-pʰa-də* 'id.'
- SAbx *a-kláb*, Ash, Tap *kləb* 'file' (tech.); ~ < Geo *klib-i* 'id.'

16. **k'*

- SAbx *a-kábz*, Ash, Tap *x'ábza* 'custom, tradition(al law)'; ~ < CCirc **xa-bza* 'id.'
- SAbx *a-káptá* 'waste, left land, house, farm'; ~ **-ta* 'place of'
- SAbx *a-kák'a* 'circle, hoop (made of rope or vine)', *-kák'a-žá* 'to curl/roll up (normally of dog or its tail)', *a-kák'a-rá* 'to toady, play the hypocrite, dissemble'
- SAbx *a-kák'a*, Ash, Tap *x'ák'a* 'stallion'; ~ < CCirc **xak'a* 'id.'; in SAbx assimilation of the second consonant
- SAbx *káča-káča* 'call for goats'
- SAbx *a-k'ay'(a)rə/aja* — SAbx *a-k'ay'(a)rəja* 'match-maker', Tap *š'ayrəja//š'ayráj* 'representative of the side of bride(groom), receiving the opposite side'; ~ < CCirc **xaǵa/əraja* 'the man taking care of guests' (Ad), 'man close to one's family' (Kab)
- SAbx *a-kámsá* 'third stomach (of ruminant animals)', Ash *kámsá* 'human stomach'; ~ cf. **kamsa*

- **k'ála* — Bz *a-k'ál*, Abzh *a-k'ála*, Ash, Tap *k'ála* 'hut'
- **k'á* — SAbx *a-k'-rá* 'to moan, sigh', *a-k'á-bz'á* 'moan, sigh', Tap *k'-ra* 'to puff, pant, groan, moan'
- **k'ápa* — SAbx (AB I: 355) *a-k'ápa* 'tired'
- **k'ážə-k'ážə* — Bz (BB) *a-k'áž-k'áž-ra*, Abzh *á-k'ážk'áž-ra* 'to sob violently', 'to whimper, snivel, whine'
- **k'á-ž'ə* — Tap *k'á-ž'ə=mə-ž'* 'rags, old cloths, things'
- **k'á-š'ə* — SAbx *a-k'áš'*, Ash (Kondzh 27) *k'áš'* 'lip, mouth', Tap *k'áš'-ta* 'burring'
- **k'áncáčə* — Bz: AB I: 355 *a-k'áncáž*, Esh *a-k'áncáč*, BB *a-x'áncáč*, Abzh (AB I: 355) *a-k'áncáč* 'capricious, spoiled'
- **k'áncážə* — SAbx (AB I: 354) *a-k'áncáž* 'drinking vessel' (arch.)
- **k'árá* — Tap *k'ára-rá* 'to urinate', *k'ára-m-ʒ* 'urine' (*ʒ* 'water', *-m-* epenthetic?)
- **k'ája* — SAbx *a-k'ája* 'honest, pious, kind', Tap *xája* 'innocent, righteous'; ~ < CCirc**xája* 'innocent'

17. **k'*

- **k'a* — SAbx *a-k'a*, Tap *k'a* 'rain'
- **k'ák'a* — SAbx (AB I: 357) *a-k'ák'a* 'lumps of thin dough'
- **k'ák'ə* — SAbx (AB I: 357) *a-k'ák'-ra* 'adversity, misfortune'
- **k'á-q'a* — SAbx (AB I: 357) *a-k'á-q'a* 'flat'; ~ **q'a* 'flat'
- **k'a-cə-ra* — SAbx (AB I: 358) *a-k'a-crá*, Tap *k'a-cəra* 'rain drop'
- **k'acá* — Bz (BB) *a-k'acá-ra*, Abzh *a-k'aca-rá* 'to stir, move (aside)'
- **k'acə-k'acə* — Tap (AbR 247) *k'ac-k'ac-ra* 'to whisper'; ~ onomat.
- **k'áčə* — SAbx *a-k'áč'* 'conical', 'standing out (alone), notable (by stature)', 'cone-shaped hut', *a-k'áč'-ra* 'the high place, protuberance, jut'
- **k'áč'a* — SAbx *a-k'áč'a* 'vineyard', 'fruit garden', 'grove, leaf-bearing wood'
- **k'ažá* — Bz *a-k'ažá//a-laħ'-k'ažá* 'безвременник прекрасный, *Colchicum speciosum*' (BD 217); cf. **g'ažá*
- **k'ažə-k'ážə* — SAbx (AB I: 359) *a-k'až-k'áž-ra* 'to shake (of comparatively big objects)'; ~ onomat.
- **k'áč'a* — SAbx *a-k'áč'a* 'duck, drake'
- **k'asə-k'ásə* — Bz (BB) *-k'as-k'ás-wa*, Abzh *-k'ask'ás-wa* 'to mince, to go at a jog-trot'; ~ onomat.
- **k'as-ába* — Bz *a-k'ásáb*, Abzh *a-k'asáb* 'male chamois'; ~ **abə* 'male goat'
- **k'ášta* — Bz *a-k'ášta*, Abzh *a-k'ášt* (BD 131), Tap *k'ášt* 'young sheep 1-2 years old which did not calf yet'
- **k'dšə* — SAbx (AB I: 359) *a-k'dš'* 'fate, destiny (usu. unhappy)'
- **k'a-(r)-šə* — Bz *a-k'a-r-šəj'*, Abzh *a-k'a-r-šaj'* (BD 140), *a-k'a-r-šj'* (AB I: 358), Ash (AbR 244) *a-k'a-r-šə*, Tap (AbR 245) *k'a-šwa* 'heavy'

- shower, downpour', Tap also 'storm', SAbx *a-k°á-šə-r-p'q'q'a-ra* 'to fall in big drops (of rain)'
- **k°ə* — SAbx *a-k°-rá*, Ash *k°-ra* 'to swear, vow', 'vow, oath'
 - **k°ə* — SAbx *á-k°-ra*, Tap *k°-la-ra* 'age'
 - **k°ə* — SAbx, Ash *a-k°*, Tap *k°ə* 'top, roof', SAbx *á-k°-(z-aa-)ra* 'to be on top, above'
 - **k°ə-bá* — Tap *k°ba* 'churn'
 - **k°ə-psə-č̄ha* — SAbx *a-k°-psə-č̄ha-ra* 'to take a breath, sigh', 'to be sad' ~ **k°ə* 'top', **psə* 'soul'
 - **k°ə-č̄č̄* — Bz *á-k°č̄*, Abzh *á-č̄k'a* 'top, head (of tree, mountain, etc.)'
 - **k°ə-č̄-ħa* — Tap *k°č̄ħa-ra* 'to disappear, be lost, die'
 - **k°žž'ma* — SAbx, Ash *a-k°žž'ma*, Tap *k°žž'ma* 'wolf'
 - **k°ə-rə-s°ə* — Bz *á-k°ə-r-s°-ra*, Abzh *a-k°žž-r-s°-ra*, Tap *k°-rə-s°-ra* 'to cover, put on above', 'to patch up', Bz *a-k°žž-r-s°*, Abzh *a-k°žž-r-s°* 'patch, coverlet', Tap *k°-rə-s°* 'patch'; ~ **k°ə* 'top', **rə-s°ə* 'to throw'
 - **k°ə-r-q'ú* — SAbx *a-k°ərq'ú* Rus 'конковый бруск', 'pedestal-beam for bee-hive'
 - **k°ə-na-gá* — SAbx (AB I: 365) *a-k°nagá(a)*, Tap *k°naga* 'merit', 'desert' 'respected', SAbx *á-k°naga-ra*, Ash *a-k°naga-rá*, Tap *k°naga-ra* 'to deserve, to give according smb's deserts'; ~ **k°ə* 'top', **na* 'thither', **ga* 'to bring, carry'
 - **k°əná* — SAbx *a-k°ná* 'flax' (bot.)
 - **k°ə-lá* — SAbx *á-k°la* 'of the same age', 'friend, comrade', Tap *k°la* 'of the same age', 'referring to age'; ~ **k°ə* 'age', **la* 'relation to'
 - **k°žž-la* — SAbx *á-k°la-ra* 'to set off, start, set foot on sth', 'to appear (on surface)', to become covered with vegetation (e.g. with moss)', 'to move, go (of time)', 'to climb', *a-k°žž-la-ra//á-k°-la-ra* 'to attack, make a raid', 'attack, raid'; ~ **k°ə* 'top', **la* 'go'
 - **k°ər-k°ára* — SAbx (AB I: 370) *á-k°ərk°ər-ra* 'to neigh'
 - **k°ə-r-č̄'ázə* — SAbx (AB I: 372) *á-k°-r-č̄'áz-ra* 'to smear, daub with sth thick'; ~ **k°ə* 'top', *r-* causative
 - **k°ə-r-č̄'ac'ú* — SAbx (AB I: 372) *á-k°ə-r-č̄'ac'á-ra* 'to put or smear on sth diluted'; ~ **k°ə* 'top', *r-* causative
 - **k°žžtə* — SAbx *á-k°žžt-ra* 'to have a right', *á-k°əjt-ħa-ra* 'to become free', 'liberation', Tap *x°əjt* 'free', 'spacious, roomy', *x°əjt-z-la-ra* 'to be free', 'to have a right'; ~ < CCirc **x°əjthə* 'free'

18. **k'*

- **k'ap-k'ápa* — SAbx *a-k'ap-k'áp* 'mountainous partridge'; ~ onomat.
- **k'atá* — Bz *á-k'at*, Abzh *á-k'ata*, Tap *k'atá* 'net, seine', Tap also 'shawl by which the bride's head, according to tradition, is covered'

- **k'at'-k'at'* — SAbx -*k'at'k'at'-wá* 'slender', in Abzh with some additional connotation of 'being feeble, weak, sickly', cf. also Zw -*k'at'-š'at'-wá* 'bending, coiling, wriggling'
- **k'at'á* — SAbx (AB I: 302) *a-k'at'á-h'a* 'incessantly, without stop'
- **k'a-k'á* — SAbx *a-k'ak'a-rá* 'to cackle'
- **k'ak'ána* — SAbx *a-k'ak'án*, Ash *k'ak'án* 'walnut', Tap (AbR 255) *k'ak'an* 'nut'
- **k'ažá* — Tap *k'ažá* 'slope, hill-side'; ~ cf. **k'aža-yá*
- **k'aža-yá* — Bz *a-k'žy*, Abzh *a-k'ažyá*, *a-k'əžyá* 'slope, hill-side'; ~ cf. **k'ažá*
- **k'á-c'a* — SAbx (AB I: 304) *a-k'ac'a-ra* 'to disappear without traces'
- **k'ac'á* — Bz *a-k'ac'á*, Abzh *a-k'ac'a*, Tap *k'ac'a* 'bug'
- **k'ac'(k")ára* — Bz (BD 50) *a-k'ac'(k")ár*, Abzh (AB I, 304) *a-k'ac'(k")ár* 'small wattled basket'; ~ cf. **k'ac'k"ára*
- **k'ac"á* — Abzh (AB I: 305) *k'ac"á* 'good (of weather)'
- **k'ac"á* — Abzh (BD 231) *a-k'ac"á-ra* 'mountain pass'
- **k'ac"ž* — SAbx *a-k'ac"ž* 'wrinkled, dry', 'crushed, crumpled', cf. also *a-k'ac"-rá* (AB I: 328) 'to be crushed, crumpled', 'to get dried, withered'
- **k'ac'k"ára* — Abzh (BD 206) *a-k'(a)lač'k"ár* 'small wattled basket'; a var. of **k'ac'(k")ár*; -*l-* may be epenthetic, or caused by contamination with **k'alát*
- **k'azék* — SAbx (Dirr 13, AB I: 293) *a-k'azék* 'uterus' (anat.)
- **k'az-k'áz* — Bz *a-k'azk'áz*, Abzh *a-k'azk'áz*, Tap *k'azk'az* 'brilliant, shining', BD 41 'transparent', Tap also 'glossy'
- **k'asá* — SAbx *a-k'asá*, Ash, Tap *k'asá* 'kerchief, shawl'
- **k'a-s"ára+žá* — Bz *a-k'aš"aráž*, Abzh *a-k'aš"aráž* 'left/abandoned child at smb's door', Tap (1Gum) *k'aš"aráž* '(very) cheap'; ~ **k'a-s"á* 'to throw on a horizontal surface', *-*ra+žá* suf. of deverbal nouns
- **k'asára* — Bz *a-k'asár* 'abundant', 'appeased', *a-k'asár-ra* 'abundance', 'being appeased', 'peace, silence'
- **k'améršáša* — Bz *a-k'améršáš* (BD 141), Xu *a-k'amaršáš*, Abzh *a-k'amérššá* 'snail'
- **k'ambásž* — SAbx *a-k'ambásž*; Sa *a-k'ambáž*, Ash, Tap *k'ambásž* 'buffalo'; ~ < Meg *k'ambeši* 'id.'
- **k'am-k'amá* — SAbx *á-k'am-k'am-ra* 'to sparkle (of eyes)'
- **k'anžá* — Bz *a-k'anžá*, Abzh *a-k'anža*, Tap *k'anža* 'withered (of plants)', Bz (BD 48) *á-k'anža-ra*, Abzh (AB I: 297) *a-k'anža-rá*, Tap *k'anža-rá* 'to wither, fade (of plants)'
- **k'an-c'lá* — SAbx (AB I: 298) *a-k'anc'lá-ra* 'to be sticky, glutinous'; ~ **c'la* 'to glue'
- **k'an-(č'ə)č'ára* — Bz (BD 51) *a-k'anc'əč'ár*, TuBz *a-k'anc'č'ra*, Abzh *a-k'anc'əč'rá*, (AB I: 298) *a-k'anc'ac'rá*, Ash (RAb 39) *k'anc'əra*, Tap *c'ənk'rá* 'wart'; in Ash and Tap expressive palatalization of *k'*, in Tap also metathesis

- **k'(')anž'a* — SAbx *a-k'ánž'a* 'big boat, barge', Tap *k'ánž'a* 'boat'
- **k'alə* — Abzh (BD 220) *a-k'ál-ra* 'to cleave, split squared timber for making shingle'
- **k'alá* — SAbx (AB I: 294) *a-k'alá* 'slender, elegant, graceful'
- **k'alátə* — SAbx *a-k'alát*, Ash, Tap *k'lat* 'wattled basket'; ~ < Geo *k'alat-i* 'id.'
- **k'ala-k'alá* — SAbx (AB I: 295) *a-k'alk'ala-rá* 'to hang (of sth thin, small)'
- **k'álta* — SAbx *a-k'ált*, Ash, Tap *k'álta* 'hem (of a skirt)'; ~ < Geo *k'alta*
- **k'ara-ža* — SAbx *a-k'ara-ža-ra* 'to be extremely tired'; ~ prob. **k'ara* 'much', **ža* 'to work'
- **k'ark'alaməš"ə* — Bz (AB I: 300) *a-k'ark'alməš"*, Dzh *a-k'árk'áləməš"*, Abzh (AB I: 300) *a-k'ark'alaməš"*, BD 219 *a-k'alk'alməš"* 'kind of small lizard'
- **k'ar-k'ára* — SAbx *á-k'ark'ar-ra* 'to cackle'; ~ onomat.
- **k'á-r-č"ə* — SAbx *a-k'á-r-č"ə-a-ra* 'to become generous, lavishing'
- **k'arma* — cf. **q'armá*
- **k'aj-k'ája* — SAbx *a-k'ajk'áj* 'clear (of sky, field), cloudless'
- **k'ə* — SAbx *a-k'-rá*, Tap *k'-ra* 'to catch, grab, hold', SAbx also 'to close', 'to burn', 'to cost', SAbx *a-k'ž* 'niggard, greedy man', *a-k'ž-ga* 'pincers, nippers (in the smithy)', 'handle'
- **k'žpa* — Abzh (AB I: 326) *a-k'žp* 'a small bit, part of sth'
- **k'žda* — SAbx *a-k'žd(-z-aa)-ra* 'to be (or hang) on the vertical, or sloping surface' (e.g. on the wall)
- **k'žk'a* — SAbx *a-k'žk'a*, Tap *k'žk'a* 'nipple, teat', 'busom (of a woman)'
- **k'žž-k'žžə* — cf. **q'žž-q'žžə*
- **k'ž-y"ə* — SAbx (AB I: 318) *a-k'žy"-ra* 'shelf'; ~ **y"ə* 'board'
- **k'žla-č"ə* — Bz *a-k'žlac"*, Abzh *a-k'lač"ž* 'wooden hook for hanging clothes' (BD 141), 'plug, spigot in the middle of the yoke' (BD 205); ~ **k'žla* 'hole', **č"ə* 'sharpened twig'
- **k'žla-ħa-ra* — SAbx *a-k'žlħa-ra//a-k'žlaa-ra* 'chink, little hole'; ~ **k'žla* 'hole', **ħa* 'to fall'
- **k'žn-ħa-ra* — Tap (1Gum) *k'žnħa-ra* 'hole', 'bee-entrance', 2Gum *k'ənħa-rá* 'hole'; ~ **ħa* 'to fall'
- **k'ərk'lašə* — SAbx (AB I: 300, 327) *a-k'ark'láš//a-k'ərk'láš*, Tap *k'ərk'laš* 'pea'
- **k'k'a* — SAbx *-k'k'a-ža* (adv.) 'bottomless, deeply', 'absolutely, at all'
- **k'k'a* — SAbx *a-k'k'á-ra* 'grove' (AB I: 308), 'thicket' (BD 123)
- **k'k'a* — SAbx *a-k'k'á-h"ə* 'loudly (of voice)'
- **k'-č'a* — cf. **g-č'a*
- **k'ša* — SAbx *á-k'ša-ra*, Bz (BD 99) also *á-kša-ra*, Tap *kša-ra* 'to strike', 'to butt'; in Tap and Bz deglossalisation

19. *k'

- **k'abərx'a* — Bz: Bl *a-k'əbrəx'*, Esh *a-k'abərx'a* 'short thin rope'
- **k'ápa* — SAbx *a-k'ápa*, Tap *k'apa* 'fat tail (of a sheep)'; ~ < CCirc **k'a-pʰa* 'id.'
- **k'ú-pšə* — Bz *a-k'ámš*, Abzh *a-k'ápš* (BD 107), 'slanting, crooked, squint'; ~ **k'a* 'slanting, crooked', **pšə* '(to) look'
- **k'áta* — Abzh (AB I: 331) *a-k'áta-ra* 'to put out/extinguish (light, fire)', 'to die (of man hit by a lightning, of some insects)', 'to become happy, wealthy'
- **k'at'ájə* — SAbx *a-k'at'ej*, Ash, Tap *k'at'aj* 'gut, intestine'; ~ < CCirc **k'a-t'aja/a* 'id.'
- **k'at'ág'a* — SAbx (AB I: 330) *a-k'at'ág'a* 'short, curtailed'
- **k'at'a-k'at'a* — SAbx *á-k'at'k'at'a-ra* 'to rock, swing (of a thin top of sth, e.g. of a tree)', Bz (Zw) *á-k'č' a-k'at'k'at'-ra* 'top of tree'
- **k'ág'a* — SAbx (AB I: 326) *a-k'ág'a* 'short(ish), with cut tail', Tap *k'ag'a* 'short(ish) (of clothes)', 'a sort of overcoat (for men)'
- **k'ák'a* — SAbx *a-k'ák'a* 'hard, stale, rough'
- **k'ák'a* — SAbx *-k'ák'a-za* 'erect, upright', Tap *k'ák'a-ta* 'on toes (to dance, to stand)'
- **k'ak"áč'a* — Abzh (Ku, Dzhg) *á-k'ak"áč'a* 'a group of neighbouring farms'
- **k'á-cə* — SAbx *a-k'áac-ra* 'to touch', *a-k'aác* 'tag, touch-last', 'to touch in passing', Bz *a-k'ánc-ra*, Abzh *a-k'ác-ra* (BD 228) 'id'; ~ -aa- and -n- are preverbs ('hither' and 'thither'); cf. Abzh *a-k'ónca* 'corner'
- **k'áčə* — SAbx *a-k'áč'* 'jutting out, sticking up, protruding', *-k'áč'-za* (adv.) 'upright, jutting out', 'standing/sitting apart, alone'
- **k'áč'-k'áčə* — SAbx (Esh) *-k'áč'-k'áč'-wa* 'about step of a tall man heavily walking with slightly bent knees'; deriv. of **k'a-cə* ?
- **k'áčə* — SAbx *a-k'áč'* 'short', 'coat' (Abzh), 'shirt, blouse' (Bz)
- **k'áč'a* — SAbx *a-k'áč'a* 'left-handed', 'crooked' (AB I: 331), 'homely, plain, uncomely', 'underdeveloped/short hand' (Bz)
- **k'azəza* — SAbx (AB I: 328) *a-k'azəza-ra* 'to rock (of sth high, tall)', Tap *k'azəz-ra* 'to shiver, vibrate'; ~ < CCirc **k'a-zəza* 'to tremble'
- **k'ása* — SAbx *a-k'ása*, Tap *k'asa* 'late', Tap also 'the youngest (in the family)'; ~ < CCirc **k'a-sa* 'late'
- **k'ásá* — SAbx (AB I: 331) *a-k'ásá-rá* 'to stream, flow lavishly (of liquids, tears)', cf. also (redupl.) *á-k'ask'ásá-ra* 'to be full to the margins, overpour'
- **k'ášə* — SAbx (AB I: 332) *a-k'áš* 'empty, extinct', 'curse, damnation', *a-k'áš-xa-ra* 'to be exterminated, extinct'
- **k'áčə* — SAbx (AB I: 331) *a-k'áč'* 'part of saddle' (Ku 'подседельник')
- **k'áhə* — SAbx *a-k'áj'* 'sticking up', 'standing apart, alone'

- **k'á-h^oə* — SAbx *a-k'áh^o* 'crooked, bent', 'limp on both feet', *a-k'áh^o-ra* 'to wriggle'; ~ **k'a* 'crooked', **h^oə* 'to turn'
- **k'a-mas^oð/áš^oa* — Bz *a-k'amás^oð(a)*, Abzh (AB I: 329) *a-k'amas^oðs^o* (BD 132) 'tip, end (of the fat tail of the sheep, or of hen's tail)
- **k'a-mp'álə* — Ash (Aps) *k'amp'ál* 'small felt ball'; ~ **mp'álə* 'ball'
- **k'al-k'álə* — Bz (Zw) *á-k'alk'ál-ra* 'top (of tree)'
- **k'ána* — SAbx *a-k'án* 'big funeral candle with sweets hanging on it', 'high pole without twigs'
- **k'ant'/dá* — SAbx (AB I: 329) *a-k'ant'a-rá//á-k'anda-ra* 'to swing, rock, bend', Tap *k'ant'a* 'elastic, resilient', *k'ant'a-ra* 'to bend'
- **k'anžá* — SAbx *á-k'anžá*, Ash *k'anžá*, Tap *k'anžá* 'doll'; ~ < Meg *k'enžá* 'id.'
- **k'anč'-ħá* — SAbx *a-k'anč'aá//a-k'ənč'aá* (AB I: 329, 332) 'slanting, skew, crooked', 'dwarf, pigmy'
- **k'ánc'ž* — SAbx (AB I: 329) *a-k'ánc'ž* 'lot (in game or in argue)', 'children's game with five little stones'
- **k'árda* — SAbx (AB I: 330) *a-k'árda* 'comma' (in writing)
- **k'awə-š'áwa* — SAbx (AB I: 332) *k'aw-š'aw-k'* 'some, in some quantity', 'the rest'
- **k'žpšə* — Bz *a-k'žpš* '(very) thin (of flat things)', 'sharp (of tip, end)'
- **k'ž* — cf. **q-k'ž*
- **k'žpš'ž* — SAbx *a-k'žpš'ž* 'edge' (AB I: 332), 'the outer side of the corner' (ADA)
- **k'žpx'ž* — SAbx *a-k'žpx'ž* 'printed material', *a-k'žpx'-ra* 'to print, publish'
- **k'žšə* — Bz *a-k'žš-ra*, Abzh *a-k'žš-ra* 'to touch'
- **k'žš'ž* — SAbx *á-k'žš'ž* 'top, summit', Tap *k'žš'ž* 'to be elevated over sth', *k'žš'ž-ra* 'elevation, eminence'; in SAbx redupl.
- **k'ž-ħá* — SAbx *á-k'aa-bž'* (-aa- verbal root extencion) 'infant's cry, peep', cf. also *a-k'áa-s-ra* 'to peep (of infants)'; ~ *-ħa VRE
- **k'ənt'ž-žə* — Abzh (AB I: 332) *a-k'ənt'žžə* 'rags'; ~ **ažžə*
- **k'ənt'rəš'ə* — Bz (Esh) *a-k'ənt'rəš'ə* 'tiny, wee'
- **k'ər-k'žr* — SAbx (AB I: 333) *á-k'ərk'ər-ra*, *a-k'ərk'ər-ra* (M 155) 'to neigh'
- **k'žja* — SAbx *a-k'žj-ra* 'to miaw', 'to caw (of some birds, e.g. of raven)'
- **k'k'ž* — SAbx *a-k'k'ž* (adv.) 'melodiously', 'with high voice', Tap *k'k'ž-ra* 'to neigh', 'loudly and unpleasantly laughing'
- **k'wáta* — Bz *á-k'wáat* 'a sort of night bird (resembling owl) with sharp sad voice'

20. **k"*

- **k"a* — SAbx *a-k"a-rá*, Ash *k"-ra*, Tap: Gum, Elb *c'-k"a-rá*, RAb 295
k"k"a-rá 'to rough-hew (of mill-stones)', 'to sharpen, whet (e.g. a scythe)'

- **k”a* — SAbx *a-k”a-rá* ‘to make light, friable (of earth)’
- **k”a* — SAbx *á-k”a*, Tap *k”a* ‘(in) bosom’
- **k”abá* — SAbx *á-k”aba-ra*, Tap *k”aba-rá* ‘to wash, bathe’
- **k”á-bəzə* — Bz *a-k”ábz* ‘clitoris’; ~ **k”a* ‘in bosom’, **bəzə* ‘mouth’
- **k”ápə* — SAbx (AB I: 337) *a-k”áp* ‘orderly, neat, tidy’, ‘point’, ‘speck(le), spot’
- **k”ap-k”ápə* — SAbx *a-k”apk”áp-ra* ‘to move lightly, carefully’, ‘to hop, skip’; ~ sem. deriv. of **k”ápə*
- **k”ap’ájə* — SAbx *a-k”ap’áj* ‘sort of small pumpkin with narrow protuberant top used, when dried, as scoop or jug’, Tap *k”p’əj* ‘basin, cup’; ~ < Geo *k’op’e* ‘id.’
- **k”adá* — SAbx *a-k”adá*, Ash (AbR 259) *k”ada* ‘weak, not tight’, but SAbx (AB I: 334) *a-k’ak’án k”ada* ‘strong nut’
- **k”adərə* — SAbx *a-k”adər*, Ash *k”adər*, Tap *k”(ə)dər* ‘saddle’
- **k”atán* — Bz *a-k”atána*, Abzh *a-k”atan//a-k”atan//a-g”tan*, Tap *k”atán*, GA 46 *k”atán* ‘plough’
- **k”at’ála* — SAbx (BD 222) *a-k”at’ála* ‘gland’ (anat.) (Bz), ‘point (in game)’; ~ cf. **wat’ala*
- **k”at’alájə* — SAbx (AB I: 338) *a-k”at’aláj-ra* ‘to dangle, hang loosely’, ‘to move lightly’
- **k”ák’ə* — SAbx *a-k”ák”* ‘corner’, ‘place of crossing/meeting of two things or sides’
- **k”ák”a* — SAbx *a-k”ák”a-ra* ‘to make light, friable (the earth)’; redupl. of **k”a* ‘id.’
- **k”ak”a-śa-śá* — Bz (Zw) *a-k”ak”a-śśá* ‘speck(le)’; ~ **śa-śá* ‘small, little’
- **k”ájə* — Bz *a-k”áj* ‘chip, sliver’, ‘crusts, patches of dandruff on the head of the infant baby’, cf. also Bz (AB I: 335) *k”aʒ-máq”* ‘chip, sliver’
- **k”á-cə* — Bz (Zw) *k”ac-k* ‘a bit’: *pša-k”ac-k’ aá-j-wa-m* ‘there is not a bit of wind-blow’, *k”a-k”ác-k’ lá-j-wa-m* ‘there is not a drop of rain’; ~ **cə* ‘single’
- **k”acá* — Bz *a-k”aca-rá* ‘to rock’; ~ cf. **kaca*, **k”aca*
- **k”áćə* — Bz *a-k”áć*, Abzh *a-k”ác*, Fer (Kil 28) *a-k”áca* ‘meat, flesh’
- **k”áćə* — SAbx (AB I: 339) *a-k”áć”* ‘protuberance, jut, prominence, sth erect, upright, standing/being alone’, *a-k”áć”-ra* ‘top, the prominent part of sth’
- **k”acə* — SAbx *á-č”da//a-č” á-k”ac-ra* ‘to hang one’s head’ (*á-č”da* ‘neck’, *a-č”* ‘head’)
- **k”áza* — SAbx (AB I: 334) *a-k”áza* ‘rich, fertile (of land)’, ‘entire, compact (of land)’
- **k”azá* — SAbx *a-k”aza-rá* ‘to spread (of smell)’
- **k”asá* — SAbx (AB I: 338) *a-k”asá* ‘wattled basket’
- **k”ásyá* — Bz: BD 36 *a-k”ásdyá*, BD 99 (Xu) *a-k”a/əzdyá*, Lyx *a-k”əstyá*, Axu

- a-k[~]astyá*, Abzh (BD 99, AB I: 338) *a-k[~]astyá, a-k[~]astxá*, Tap *k[~]astxá* 'fire-brand'
- **k[~]áz'a* — SAbx *áh-k[~]az* 'princess, lady', Tap *k[~]az'a* 'lady, noblewoman, princess'
- **k[~]áša* — SAbx *a-k[~]áš mca* 'fire (*mca*) made of hardened wood', *a-k[~]áš-xa-ra* 'to harden, be petrified (of wood)', 'to be reduced to ashes', 'to be annihilated'
- **k[~]ašá* — SAbx *á-k[~]aša-ra*, Tap *k[~]aša-rá* '(to) dance'
- **k[~]áyə* — Bz *-k[~]áy-za* (adv.) 'being upright, erect'
- **k[~]ayy-fá* — SAbx (AB I: 334) *á-k[~]ayy-aa-ra* 'to surround, crowd round'
- **k[~]áy'ə* — SAbx (AB I: 334) *a-k[~]áy'* 'too bright (of colour)'
- **k[~]áxə* — SAbx (AB I: 339) *a-k[~]áx'* 'meat so dry that it is impossible to eat it'
- **k[~]áxč'a* — Bz *a-k[~]áxč'*; Abzh *a-k[~]áxč'a* 'dried skin of cattle (usu. goat) used as bedding'
- **k[~]áhə* — SAbx *-k[~]áj'-za* 'standing/being alone and upright', *a-k[~]áj'-ra* 'top, prominent part of sth'
- **k[~]aħá* — SAbx *á-k[~]aħa-ra* (AB I: 339), *a-k[~]aħa-rá* (Lyx), Tap *k[~]ħa-ra* 'to knead, puddle (dough, clay, mud, etc.)', 'to trample, stamp'
- **k[~]á-ma-q'a* — SAbx (AB I: 337) *a-k[~]ámq'a* 'peace, scrap'; for **ma-q'a* cf. Bz *a-k[~]az-máq'* 'chip, sliver', for **q'a* cf. SAbx *a-č[~]á-q'a* 'chip'
- **k[~]áłə* — SAbx (AB I: 336) *a-k[~]ál-ra* 'to ram (the earth floor)'
- **k[~]al-fá* — SAbx (AB I: 335) *a-k[~]alaá*, A64 *a-k[~]aláa* 'piece of raw leather', Bz (AB I: 335) *a-k[~](a)laa-rá* 'to dangle, hang loosely', *-k[~]alaaw-wa* 'instantly, fastly (of sth/smb rushing at full speed)' (*-fá VRE)
- **k[~]ala-k[~]alá* — SAbx *á-k[~]alk[~]ala-ra* 'to hang loosely, dangle'; ~ redupl. of **k[~]al-fá*
- **k[~]alə-k[~]ažá* — SAbx *a-k[~]al(ə)-k[~]až'a-rá* 'to twinkle, shimmer, play (of colours)'; ~ a var. of **k[~]ala-k[~]alá*?
- **k[~]alžə* — Bz *a-k[~]alžə*, Abzh *a-k[~]alžə*, Tap (RAb 190) *k[~]alžə* 'chain mail, armour'
- **k[~]árə* — SAbx *a-č-k[~]ár*, Tap *k[~]ar* 'pacer, ambler', Tap also 'amble', SAbx (AB I: 338) *a-k[~]ár-a* 'to go at a jog-trot (of a horse)', 'to move swiftly, quickly', Tap *k[~]ar-ra* 'to pace, amble (of a horse)'; ~ < CCirc **k[~]arə* 'pace, ambler'
- **k[~]ará* — SAbx (AB I: 337) *a-k[~]ará* 'drop by drop', *k[~]ara-k[~]ara* 'id'
- **k[~]ára* — Bz *a-k[~]ár(a)* 'small river, creek', TuBz 'ravine with dry bed of the river', Abzh (AB I: 336) *a-k[~]ára* 'river, creek', 'ravine, gorge', Tap: AbR 260 *k[~]arə* 'ravine, gorge', 1Gum *k[~]ar* 'gorge, ravine, small river, creek'
- **k[~]arác'a* — SAbx (AB I: 337) *a-k[~]arác'a-ra* 'to wind (of road)', 'to tack, manoeuvre'
- **k[~]ark[~]alájə* — SAbx (AB I: 338) *a-k[~]ark[~]aláj-ra* 'to roll (about the manner of

- walking)
- **k"árma* — SAbx (AB I: 338) *a-k"árma* 'drop'; ~ cf. **k"ara*
 - **k"aj-k"ájə* — SAbx *á-k"aj-k"aj-ra* 'to glitter, shine, be transparently-clean'
 - **k"ájt'ə-* — SAbx *á-k"ajt'-majt'-ra* 'to mince diffidently, bashfully'
 - **k"aj-cajə* — SAbx *a-k"aj-caj-ra* 'to twinkle, shimmer, blink'
 - **k"ə* — 'around': SAbx *á-k"(ə)-ša-ra*, Tap (IX) *k"ə-r-ša-rá* 'to encircle', *á-k"-ga-ša-ra* 'to enclose sth around sth' (**ša* , -*r-* caus., *ga* 'to carry')
 - **k"əbərə* — SAbx *a-k"əbrə* 'mosquito'; the form *a-k"ərbə* in Distr 13 must be a misprint; ~ cf. **q"əbərə*
 - **k"ápsə* — Bz (Zw) *a-k"áps-ra* 'lightness, frivolity'
 - **k"ət'ð(w)* — SAbx *a-k"t'ð*, Sa *a-k"ət'ðæ*, Ash, Tap *k"t'ðw* 'hen'; in Ash and Tap dissimilation of the first member in the cluster of two glottalics
 - **k"ək"ə* — SAbx *a-k"ək"-ra* 'to defecate'
 - **k"ək"ə/a/ə* — SAbx *a-k"ək"* (M 155, RA 302), *a-k"ək"ə* (AB I: 347), Tap *k"ək"ə* 'cuckoo'; ~ onomat.
 - **k"ək"ð* — SAbx *a-k"k"-rá* 'to scutch, swingle, comb, card (wool)', 'to tear to pieces', *a-k"k"-h'a* 'to finger, pull', Tap *k"k"-ra* 'to comb, card (wool)'; full vowel grade form is seen in SAbx *a-c'la-r-k"ək"* 'wood-pecker', lit. 'tree-caus.-scutch/tear to pieces'
 - **k"ək"ə-bħá* — SAbx *a-k"ək"-baá* 'mushroom' (**bħa* 'rotten'); cf. also Bz *a-k"ək"-s"t* 'bind-weed' (*a-s"t* 'flower')
 - **k"ək"ð-pšə* — Bz: AB I: 341 *a-k"k"-pš-rá*, BD 323 *a-k"ək"ð-pš-ra* 'to look, gaze around (of horse)', 'to look watchfully'; ~ **pšə* 'to look'
 - **k"ək"əmádəra* — Bz *a-k"k"mádər* (BD 131), *a-k"ək"ámdər* (U 143, AF 39), Abzh *a-k"k"ámdra* (BD 131), *a-k"ək"ámdər* (Chl) 'bush(es)'
 - **k"əčħa* — Bz (BD 43, 204) *a-k"əčħa*, Abzh *a-k"əčħa* 'big wattled basket on legs in which they husk maize'
 - **k"ə-č"ə-a-šá* — SAbx (AB I: 346) *á-k"č"əša-ra* 'to wind, twine round (from all sides)', 'to pester, importune'
 - **k"əč'bá* — Abzh (BD 215) *a-k"əč'bá* 'bullfinch' (ornith.)
 - **k"(ə)č'əg°* — Abzh (BD 203) *a-k"č'əg°* 'small iron hammer'
 - **k"(ə)č'ə-š-sə* — SAbx *a-k"č'ə-š-s'*, Ash *k"č'ə-s-s*, Tap: RAb 555 *k"č'əj-s*, Indzh *k"č'əj-s* 'chicken'; ~ *-*sə* 'small, little', in SAbx assimilation by *č'*, and in Ash and Tap dissimilatory loss of glottalization in **k"*
 - **k"əsə* — SAbx *a-k"əs-ra* 'to copulate'
 - **k"ə-šá* — SAbx *á-k"-ša-ra* 'to turn, spin (around sth/smb)', 'to wind, twine (round)', Tap *k"ə-r-ša-ra* 'to fence in, enclose (round sth)', 'to encircle, round up'; ~ **k"ə* '(a)round', **ša* 'to bend, crook'
 - **k"əmá-psə* — Bz (Zw, Bzp) *a-ħə k"máps-ħa* 'wet head'
 - **k"əmač'əja* — Abzh (AB I: 343) *a-k"əmač'əja(-ra)* 'top of the head'
 - **k"əməry'áy'ə* — Bz *a-k"əməry'áy'* (Ach), BD 216 also *a-g"məry'ay'*, Zw

- a-k”(ə)mary’áy* “haw-thorn, *Smilax excelsa*’ (bot.)
- **k”ə-mp’əl* — SAbx *á-k”əmp’əl* (AB I: 343), *a-k”əmp’əl* ‘round’, ‘lump of flour appearing when making pap (*a-bósta*), or porridge’ (Bz, Zw), *á-k”əmp’əl-ra* ‘roundness, salience’, ‘to somersault, roll’; ~ **k”ə* ‘(a)round’, **mp’ələ* ‘ball’
- **k”əmfə* — Bz (Zw, Axu) *-k”əmf-za* ‘puny (man)’, cf. also masc. personal name *K”əmf*
- **k”əmz̥ə* — Bz *a-k”əmz̥ə*, Abzh *a-k”əmz̥ə*, Tap *k”əmz̥ə* ‘cherkeska (Caucasian national coat)’
- **k”əmšá-ga* — Bz *a-k”əmšág* ‘small wooden hammer’ (BD 35), ‘the grain-husker put on the top of the mill-stone’ (Ačk”ər 24); ~ -*ga* instr. suf.
- **k”ərə* — SAbx *á-k”ər-ra* ‘to roll (of sth small)’, ‘slide’, Bz (Bl, Dzh) *á-k”ər*, indef.sg. *k”ərə-k’* ‘wheel’, Bz *a-k”ərč’əž’* (AB I: 345), *a-k”ər-č’əž’* (BD 204) ‘small cart, wagon’, ‘small wheel’, *a-k”rə* ‘roundish’, Tap (AbR 397) *qa-č”-k”rə* ‘bald-headed’ (< *qa-č”a* ‘skin of the head’, **k”rə* ‘round’), *q-k”ər-ra* ‘to climb/get over’, *r-k”ər-ra* ‘to pull, drag’
- **k”ərč’ə* — SAbx *-k”ərč’-za* (adv.) ‘notebly grown (up), having become taller’, ‘upright, erect’, Bz *a-pónč’ə* *k”ərč’* (Axu)//*k”(ə)rč’* (Zw) ‘turned-up nose’
- **k”ərč’ək’ə* — Bz (AB I: 344) *a-k”ərc’ək’* ‘sty’ (med.), ‘spinal illness of animals’
- **k”ər(k)law* ə — Bz (BD 203) *a-k”ər(k)law* ‘small iron hammer’
- **k”ərməxč* — Bz (BD 205) *a-k”ərməxč* ‘(long) switch, dry branch’
- **k”əwa* — SAbx (AB I: 346) *a-k”əwa-ča-ra* ‘to grow mouldy, musty’ (-ča- ‘to become’)
- **k”əj-cə* — SAbx *a-k”əj-c* ‘sparkle’; ~ **cə* ‘one (of small things)’
- **k”k”a* — SAbx *a-k”k”a-rá* ‘to trickle down, drop’, *-k”k”a-čá* ‘to roll down (about sth being alone, separate)’

21. **q*

- **qa* — Bz *a-čč*, Abzh *a-čč*, Bat (Sam) *a-ččá*, Ash, Tap *qa* ‘head’, ‘beginning’
- **qa* — Bz *á-čč-a-ra*, Abzh *á-čč-a-ra*, Tap (Tabulova 1984: 49) *á-q-ra* ‘to pull, drag’, SAbx also ‘to smoke’
- **qá-bba-la* — SAbx (AB II: 210) *a-ččabbala-ra* ‘to die’; ~ **qa* ‘head’, **bba* ‘to came out (of smoke)’, *-*la* VRE
- **qá-pa* — SAbx *a-ččapa* ‘knitted shoes string(s)’, Tap *qapa-ra* ‘to wattle’
- **qa-p-ág”a* — SAbx (AB II: 215) *a-ččapág”a* ‘stump’, ‘blunt-nosed’; ~ **qa* ‘head’, **pə* ‘nose’, **ag”a* ‘obtuse’
- **qa-p-a+čč* — Tap *qa-p+ačč* ‘forehead’; ~ **qa* ‘head’, **p-a+čč* ‘before’
- **qa-pč-cə* — Bz *a-ččapčc//a-ččabčc*, Abzh *a-ččapčc*, Ash (AbR 393) *qapčc* ‘tooth’ (Bz, Abzh), ‘wisdom-tooth’ (Ash); ~ **qa* ‘head’, **pč* ‘front’, **cə*

- ‘tooth’
- **qa-psə-chə* — Tap *qa-psəchə-rta* ‘sinciput, top of the head’ (-r+ta ‘place of’); ~ **qa* ‘head’, **chə* ‘brifge’
- **qa-(p)šā* — Bz *a-čaš'a-rá*, Abzh *a-čapš'a-rá* ‘lactation’? (BD 119)
- **qa-dá* — Bz *a-čadá*, SAbx *a-čadá*, Tap *qadá* ‘chief, head, leader’, Tap *qa-də-l-ra* ‘to lead, carry upwards’; ~ **qa* ‘head’, **da* ‘to lead’
- **qa-tá* — Bz *a-čatá*, Abzh *a-čatá*, Tap *qatá-la* ‘(by) oneself’, cf. also SAbx *jə-pħ'čs-čata* ‘his own wife’, *aráj a-pħ'čs-čata* ‘this very woman’, Bz (AF 54) *čatá-r-zac"ə-k'* ‘lone, but one, alone’
- **qata* — Tap (AbR 394) *qata* ‘side, edge’
- **qá-t"ə* — Bz *a-čát"-ra* ‘reliability’, ‘ankylosis’ (anat.)
- **q-ága* — Bz *a-čága*, Abzh *a-čága*, Ash, Tap *qága* ‘fool, mad, crazy’; ~ **qa* ‘head’, **aga* ‘silly, stupid’
- **qa-g"ə* — SAbx *a-čdg"-ta* ‘top of head’, Tap (AbR 390) *j-qa+g"ə g"-a-k"ə-čə-m* ‘he is not sure in anything’; ~ **qa* ‘head’, **g"ə* ‘surface’
- **qá-k'k'a/ə-la* — Bz *a-čák'k'əla*, Abzh *a-čák'k'ala* (AB II: 212) ‘lanky/great hulking fellow’
- **qa-k"əjtə* — Bz *a-ča-k"əjt-ra*, Abzh *a-ča-k"əjt-ra*, Tap *qa-x"əjt-ra* ‘freedom, liberation, to be free’, Tap also ‘self-willed, complacent’, Tap *qa-k"əjt* ‘free’, ‘self-willed’; ~ **qa* ‘head’, **k"əjtə* ‘free’ < CCirc **x"əjtʰə* ‘id.’
- **qa-k"əč"ə* — Bz *ča-k"əč"*, Tap *qa-k"əč"* ‘smb with oblong, elongated head (skull)’, in Bz and Tap also a masc. name, in Tap (S 6) also ‘pick’
- **qaqamə* — Bz (BD 279) *a-čačam* ‘high priest, pontiff’
- **qa-q"ə* — Bz *a-ča-č"ə*, Abzh *a-ča-č"ə*, Ash, Tap *qa-q"ə* ‘hair (on head)’; ~ **qa* ‘head’, **q"ə* ‘hair’
- **qa-ʒə* — Tap (AbR 391) *qaʒə* ‘marrow’; ~ **qa* ‘head’, **ʒə* ‘water’
- **qa-c'á* — Bz *a-ča-c'a-rá*, Abzh *a-ča-c'a-rá*, Ash, Tap *qa-c'a-rá* ‘to believe’; ~ **qa* ‘head’, **c'a* ‘to put’
- **qáč'a* — Bz *a-čáč'a*, Abzh *a-čáč'a*, Ash (AD 37) *a-qáč'a*, Tap *qáč'a* ‘man’, ‘husband’, ‘hero’
- **qá-c'c'a-la* — Abzh (AB II: 224, 219) *a-čáč'c'ala-ra* ‘to ride up’, Bz *a-čá-r-c'c'ala-ra*, Abzh *a-čá-r-c'c'ala-ra* ‘to lift up one of the sides of sth’, ‘to raise (voice)’; ~ **qa* ‘head, r- caus.
- **qa-ʒ-gəla* — Bz *a-čáč'gəla-ra//a-čáč'gəla-ra*, Abzh *a-čáč'gəla-ra*, Tap *qac'gəla-ra* (1Gum), *qaʒgəlara* ‘to serve the guest standing’ (Gum1), ‘to stand over smt/smb’ (AbR 391), SAbx also ‘to stand up to show respect to smb’, ‘to do smb courtesy, show smb attention’ (AB II: 223), Abzh (AB II: 224) *a-čáč'gəla-j"ə*, Tap (ABR 391) *qa-ʒ-gəla* ‘person (usu. young man) who serve the table, wait, attend upon the guest(s) at the table’, Ash (AD 14) *d-aa-j-qa-ʒ-gəla-jt'* ‘he served him’; ~ **qa* ‘head’, **ʒə* ‘side’, **gəla* ‘to stand’

- **qa-č'á* — Bz *a-č'a-č'á*, Abzh *a-č'a-č'á* 'face'; ~ **qa* 'head', **č'a* 'mouth'; cf. **č'a-qa*
- **qá-stərə* — Bz (BB) *ábla částər*, Abzh (AB II: 219) *á-bla částər* 'short-sighted, myopic' (med.)
- **q-a-z̥* — Bz *čaz̥*, Abzh *čaz̥*, Ash, Tap *qazə* 'separate, single, alone'; ~ **qa* 'head', **a-* 3d p.sg. poss. affix, **z̥ə* 'for'
- **qa-ž̥za* — cf. **q-a-ž̥za*
- **qa-š̥á/á-la* — Bz *a-čaš̥á/ála* 'slave peasant', *a-čaš̥ála-č̥//a-čaš̥ala* 'profit' (BD 55, 282); ~ **qa* 'head'
- **qa-žlək̥á* — Bz *a-čažlək̥á*; Abzh *a-čamžlək̥//a-čamžrək̥* 'kiddy' (BD 221); ~ **qa* 'head'
- **qa-š̥ə-h̥ə* — Bz *a-č(ə)š̥əj̥*, Bat: Sam *a-čš̥əj̥*, Fer (Kil 27) *a-qas̥əj̥* 'intellect'; ~ **qa* 'head'
- **qá-štə* — Bz *a-čá-št-ra*, Abzh *a-čá-št-ra*, Tap *qá-štə-l-ra* 'to forget'; ~ **qa* 'head'
- **qá-čča-la* — Bz *čáččala*, Abzh *čáččala* 'upright, erect'; ~ **qa* 'head'
- **qá-č̥ə* — Bz *čax̥*, Abzh *čəx̥*; Ash (AD 87) *a-qax̥*; Tap *qax̥* 'up, above'; ~ **qa* 'head', *-a+č̥ə directional postposition
- **qa-há* — Bz *á-čaa*, Abzh *á-čaa*, Ash (AD 223) *á-q(a)há*, Tap (AbR 390, 397) *q(a)há* 'sweet, tasty'
- **qa-h̥á* — Bz *a-čj̥á/á*, pl. *a-čj̥ə-k̥á*, Abzh *a-čj̥á*, Ash, Tap (AbR 390) *qaħ̥á* 'lid, cover' (Ash), 'top (of a boot)' (Tap), Tap *qħ̥á* 'closed', Bz *a-čj̥a-rá*, Abzh *a-čj̥a-rá*, Tap *q-ħ̥a-ra* 'to close'; ~ **qa* 'head'
- **qá-h̥i-h̥ə-la* — Bz (BD 61) *a-čá-j̥j̥ə/ala*, Abzh *a-čá-j̥j̥ə/ala* '(awkwardly) tall'; ~ **qa* 'head'
- **qá-há* — Bz *a-čáħha*, SAbx *a-čáħha*, Tap *-qáħha* 'cultivated, inoculated, greater kind of a fruit' (used in postposition to the name of a fruit), SAbx *a-čá-ħha-ra* 'to inoculate, engraft'; ~ **qa* 'head', *ħha 'grow'
- **qa-máq'á* — Bz *a-čamáq'á-ra* 'even surface, small square'; ~ **qa* 'head'
- **qamə* — Bz *a-čamə*, Abzh *a-čamə*, Ash, Tap *qamə* 'fir-coat'
- **qamə-γ̥ə* — Bz (BD 206) *a-čamə-γ̥ə*, Abzh (AB II: 214) *a-čam-γ̥ə* 'round plank for the ritual pie to be put on'; ~ *γ̥ə 'plank'
- **qa-lá-q'á* — Bz (Esh) *čaláq'á* 'flat-headed'; ~ **qa* 'head', *q'á 'flat'
- **qá-lə-r-š̥š̥ə* — SAbx (AB II: 214) *a-čá-lə-r-š̥š̥ə-ra* 'to screen shield oneself'; ~ **qa* 'head'
- **qa-napa* — SAbx (AB II: 215) *á-čanapa* 'impudent, wilful, daring, audacious'; ~ **qa* 'head'
- **qa-nə=qa-nə* — Bz *čan-čanə* 'separate, apart'; ~ **qa* 'head', *-nə adverbial suf.
- **qa-n-č'ac'á-rá+jə* — Bz (Zw) *-čanč'ac'aráj-ja* 'small (of size, face)'; ~ **qa* 'head'
- **qa-rá* — Bz *á-čara//čará*, Abzh *á-čara*, Ash, Tap *qará* 'distant, remote, far (-away)', 'long way off'; ~ prob. a deriv. of **qa* 'to be directed to, make one's way to', which in turn is a deriv. of **qa* 'to pull, draw'

- *qa-ra=bγ á-ra — Bz ხარა-ბγ' არა, Abzh ხარა-ბγ' არა, Ash qara-bγ' ára 'in disunity /disorder, scattered, dispersed, in all directions' (Bz, Abzh), 'to scatter, throw about' (Ash); ~ *qa-ra 'far'
- *qa-r-pá — Bz a-ხარპა 'tie, tether' (BD 61), 'beams of the building' (Xu), Abzh (AB II: 218) a-ხარპა 'rafter, truss of the house', Tap qarpa 'lid', Abzh a-ხა-რ-პა-რა, Tap qa-r-pa-ra 'to throw/hang sth over, to cover', Tap also 'to close sth by lid'; ~ *qa 'head' > prev. 'over', -r-caus., *pa 'cover'
- *qa-r-pašta — Bz a-ხპესტა-რა, Abzh a-ხა/ərpasta 'to disappear' (BD 227); ~ *qa 'head'
- *qa-r-pá — Bz a-ხარპ, indef.sg. (U 169) ხარპ-კ', Abzh a-ხარპ 'under-shirt', Tap (AbR 393) qarp-ხა 'kerchief (usu. put under the shawl)'; ~ *qa 'head'
- *qá-r-q°a — Bz a-ხა-რ-ხ'ა-რა, Abzh a-ხა-რ-ხ'ა-რა 'to (make) use'; ~ *qa 'head', r-caus., *q°a 'to help'
- *qə — Bz a-ხ, Abzh a-ხ 'wine sediment'
- *qə-bə — Bz a-ხაბ, Abzh a-ხაბ, Ash qəb 'roof(ing)', Tap qəb 'roofing (material)', IX: 'hay roof', Bz a-ხაბ-რა, Abzh a-ხაბ-რა, Tap qəb-რა 'to roof, thatch', SAbx also 'building'; ~ *qa 'head' > 'above'
- *qə-bəžə — Bz a-ხაბჟ 'teenager'; ~ *qa 'head'
- *qə-pə — Bz a-ხაპ 'foothills'; ~ *qa 'head', *pə 'nose' > 'front'
- *qə-pša — Bz a-ხაპშა, Abzh a-ხაპშა '(to) scent, smell'
- *qə-pšə-č'a-γ'ə — Bz a-ხაპშანც'აγ' // a-პშა(m)č'აγ' (BD 61) 'wesp'
- *qəpə-qəpə — Bz ა-ხაპხაპ-რა 'to go at a jog-trot'
- *qəg°ə-ə-qəg°ə — Bz ა-ხაგ°ხაგ°-რა 'to walk (of old people)'
- *qə-k°ə — Bz a-ხაკ°, Abzh a-ხაკ°, Tap qək° 'edge', (SAbx), 'crest (of mountain)' (Tap); ~ *qa 'head', *k°ə 'top'
- *qə-k'ə-há — Bz a-ხ-კ'აა-რა, Abzh a-ხ-კ'აა-რა, Ash q-კ'აა-რა 'to fence', Abzh ჯ-ხ-რ-კ'აა-ჯ' 'it-they-fenced', Bz a-ხ-კ'აა-რ(a), Abzh a-ხ-კ'აა-რ(a) (AB II: 228), a-ხ-კ'აა-რ(a) (A 60), Ash q-კ'აა-რ(a) 'fenced place (part of farm, (kitchen-)garden, or plantation)', AB II: 228 'pasture'; ~ *qa 'head', *k°ə 'to take, keep, close', *-há VRE
- *qə-k"k"ə — Bzp a-ხ-კ"კ"ა-რა 'to take away, berieve', Tap q-კ"კ"ა-რა 'to clear up (of weather)'
- *qə-č°ə — Bz a-ხ-ჭა, Abzh a-ხ-ჭა 'plait, braid, hair', Ash (Aps) ა-ჭ'ლა qəč° 'top of tree', Tap qəč° 'comb, crest (of a bird)'
- *qə-č°ə — Tap qə-ჭ-რა 'to cut, slash'
- *qə-ჯə(-ჯə) — Bz a-ხ-ჯ (BD 60), a-ხ-ჯ (Xu, Zw), a-ხ-ჯ (AB II: 230), Tap (GA 49) qəჯ 'stump, stub', Bz (Esh) also 'strong, tough teenager boy (ab. 15 years old)'
- *qəჯə-qəჯə — Bz ა-რ-ხ-ჯ-ჯ-რა 'to shake', d-ხ-ჯ-ჯ-ვა 'shaking (of old man's manner of walking)'

- *qə-č'čč'ə — Bz *a-čč'čč'* (M 159), Abzh (AB II: 238) *a-čč'čč'* 'stump'
- *qč'-za — Bz *a-čč'za*, Abzh *a-čč'za*, Tap *qč'za* 'blanket, quilt'; ~ *qa 'head', *-za 'attached to'
- *qə-s(m)a-q"ə — Bz *a-čč'(m)áq"*, Abzh (AB II: 245) *a-čč'msaq"* 'block (to sit on)'
- *qč'-č"ə — Bz *a-čč'č"*, Abzh *a-čč'č"*, Tap *qč'č"* 'small/casement-window; non-front door' (SAbx - AB II: 255), 'window' (Tap); ~ *qa 'head' > 'above', *aš'ə 'door'
- *qə-γ'a-š'ā — Bz (AB II: 226) *γ'y'aš'ā* 'mercy'
- *qə-čč'a-sə — Bz *a-čč'a//a-čč'a-sə* 'galoon, braid', Ash (AbR 399) *qč'as* 'men's shirt'
- *qə-h°á — Bz *a-čh°á/č*, Abzh *a-čh°á*, Tap *qh°a* 'comb', Bz *a-č-čh°a-rá*, Abzh *a-č-čh°a-rá*, Tap (RAb 429) *h°a-ra* 'to comb'
- *qə-čh°á — Bz *a-čh°a-rá* 'to flower (usu. of corn, millet)'
- *qə-čh°á-(r-)-č"ə — Bz *a-čh°árc"*, Abzh *a-čh°áč"* 'panicle' (bot.)
- *qə-čh°h°a-rə — Bz *a-čh°h°ar*, Abzh *a-čməh°h°ar* 'curds made of buttermilk'
- *qč'-la-pa — Bz *a-čč'l(a)pa*, Abzh *a-ččlpa*, Ash (AD 8) *a-qčlpa*, Tap *qčlpa* 'hat'
- *qə-la-n-c'ə — Bz *članč'š/á*, BB *članč'š*, Abzh *članč'š* 'vertically, from above downwards'
- *qč'-l-č'ə — Bz *a-ččlc'* 'posternity', Bat (Kil 13) *a-ččlc'//a-ččlc'* 'child', Bz *a-ččlc'-ra* 'to give birth (to a human baby)', 'to hatch (of chicken)'
- *qə-n-h°č — Bz *a-čč-n-h°-rá*, Abzh *a-čč-n-h°-rá*, Tap *qə-n-h°-ra* 'to return, come back' (SAbx), 'to turn, revolve, rotate' (Tap), SAbx imper. *b-čč-n-h°č* 'you (fem/hum) return, come back!', Tap *qə-n-h°č-č-č-ra* 'to return, come back' (-č 'again'); ~ *qa 'head', -n- locative, *h°č 'to turn'
- *qərčyə — Bz *a-ččray//a-ččry*, Abzh *a-ččray* 'maize groats'
- *qər-qər — Bz *ččrččr-čča* 'snor(ing)'; ~ onomat.
- *qə-r-c'a-la — Bz *a-ččrc'láy'*, Abzh *a-ččrc'láy'*, Tap *qərc'alga* 'the egg put under the brood-hen', SAbx (AB II: 237) *a-čč'člára* 'to lay eggs into another bird's nest', SAbx *a-čč-c'a-rá* 'to put brood-hen on nest with eggs'; ~ *qa 'head' > 'above', *rə- caus, *c'a 'lay eggs', *-la VRE, *ay'a 'semen, egg', *-ga instr. suf.
- *qə-r-ffa — Bz *a-čč-r-ffa-rá*, Abzh *a-čč-r-ffa-rá*, Tap *qə-r-ffa-ra* 'to cut, trim, shorten'
- *qə-r-čč'čč'á-la — Bz (BD 207) *a-ččrs'čč'ála* 'porridge for infants with sick stomach'
- *qə-(r-)čč'ə — Bz *a-čč'čč*, *a-čč'čč'//a-čč'čč'*, Abzh *a-čč'čč'* (BD 61, 207, 275) 'maiz siftings, chaff', AB II: 249: Bz 'bran', Ash (Aps) *qrəčč'*, Tap *qəčč'* 'bran'; ~ *čč'ə 'to sift'
- *qə-r-h°ant"č — Bz *a-ččerj'a/ənt"č*, Ash (Aps) *qərh°ant"č* 'pitchfork'
- *qə-ja-ha-la — Bz (BD 216) (*apšəž*) *ččjaála*, Abzh (AB II: 227) *a-ččjáala* 'pike', SAbx (AB II: 227) *a-ččjáala-ra* 'to lie on the surface of sth (e.g. water, or in the air)'; ~ *qa 'head', *ja 'to lie', -ha-, -la VRE
- *q-bəlčč'ə — Abzh (AB I: 226) *a-ččbəlčč'-ra* 'to calm down'; ~ *qa 'head'

- **q-pa-ra* — Bz *a-χpara* ‘to give oneself airs’, SAbx (AB II: 231) *a-χpará* ‘haughty, arrogant’; ~ **qa* ‘head’
- **q-p'ʃ-č'a* — Bz *a-χp'ʃč'* ‘cup, small glass’; ~ **ač'a* ‘cup’
- **q-ta-r-pá* — Bz *a-χtarpá*, Abzh *a-χtarpá* ‘bashlyk, hood’; ~ **qa* ‘head’, *-*ta* locative, **rə-* caus., **pa* ‘cover’
- **q-tə-sə* — Bz *a-χtəs* ‘one’s experience, past’, Abzh (AB II: 235) *a-χtəs-ra* ‘to experiance’
- **q-k'ə* — Bz *a-χk'ʃ*, Abzh *a-χk'ʃ*, Tap *qk'ə* ‘cream’, also: SAbx ‘sample, sort’, Tap ‘sour-cream’; Tap *q-k'-ra* ‘to take, collect (from above), take cream from milk’; ~ **qa* ‘head’ < ‘above’, **k'ə* ‘to take’
- **q-k'ə* — Tap *qk'ə-ra* ‘to heel, sink to one side’, *atʒə qk'ə-t'* ‘the house sank to one side’; ~ **qa* ‘head’
- **qa-qá* — Bz *a-r-χxa-ra* ‘pull, draw’; ~ redupl. of **qa* ‘to pull, draw’, *r-* caus.
- **q-q'a* — Bz *a-χq'ā*, Abzh *a-χq'ā*, Tap *qq'a* ‘cover, pillow-case’, Bz *a-χ-q'a-rá*, Abzh *a-χ-q'a-rá*, Tap *q-q'a-ra* ‘to cover, put sth on, wrap’
- **q-q'a-šá* — SAbx (AB II: 229) *a-χ-q'a-ša-rá* ‘to stumble’, ‘to play (of colours)’
- **q-č'ʃ-š-ta* — Bz (BD 51) *a-χč'ʃštar//a-χč'ʃštra//a-χč'ʃšta* Rus ‘перелаз’, ‘place to get over sth’
- **q-č'ə* — Bz *a-χč'ʃ*, Abzh *a-χč'ʃ*, Tap *qč'ə* ‘cushion’
- **q-č'ə-nə-zə* — Bz *a-χč'ħəz*, Abzh *a-χč'ħəza* ‘stone of hearth’; ~ **q-č'ə* ‘cushion’, **nə-zə* ‘attached to’
- **q-ša* — Bz *a-χ-ša-rá*, Abzh *a-χ-ša-rá*, Tap *q-ša-rá* ‘to give birth’ (SAbx), ‘to originate, to be of some origine’ (Tap), ‘to have hardships, inconveniences’ (Tap), Bz *a-χšáa(-ra)*, Abzh (AB II: 238) *a-χšáa(-ra)* ‘posternity, children’, Tap *qša* ‘origine’, ‘posternity, heirs’; ~ **qa* ‘head’, **ša* ‘to share, divide’
- **q-(ħa-)bačə* — SAbx (AB II: 209) *a-ħadbač-rá*, Bz (BB) *a-ħabbač-rá* ‘to fly, turn round, to stay in swarm, crowds (of birds, insects, people)’
- **q-lardá* — Bz (BD 205) *a-χlardá* ‘the upper edge of basket’
- **qrəž-ə-qrəž-ə* — Bz *χrəž'-χrəž'* ‘from time to time’, ‘with/making pauses’
- **q-ja* — Bz *a-r-χ-ja-rá*, Abzh *a-r-χ-ja-rá* ‘to prepare, get ready’, ‘to lay the table’, ‘to tune (an instrument)’, Bz *a-χ-ja-rá*, Abzh *a-χ-ja-rá* ‘readiness, being ready, prepared’; ~ **qa* ‘head’, *r-* caus., **ja* ‘to lie’

22. **q°*

- **q°a* — Bz *ā-χ°a*, Abzh *ā-χ°a*, Ash *ā-q°a*, Tap *q°a* ‘ashes’, SAbx also ‘grey’, Tap *q°a-č°ā* ‘grey(ish) (*č°ā* ‘-ish (of colours)’ < ‘skin’)
- **q°a* — Bz *a-χ°ā*, Tap *q°a* ‘crooked, curved’, Tap *q°a-ra* ‘to bend’ (*χa* ‘to become’)

- **q°a* — Bz *á-χ̥a-ra*, Abzh *á-χ̥a-ra*, Tap *a-q°a-ra* 'to help, assist', 'help, assistance'
- **q°a* — Bz *a-χ̥a-rá*, Abzh *a-χ̥a-rá*, Tap (GA 76) *q°a-ra* 'to felt, full', in SAbx also 'to press grapes when preparing wine'
- **q°a* — Bz *a-r-χ̥a-rá*, Tap *r-q°a-ra* 'to castrate'; ~ *r-* caus.
- **q°a* — *'body': cf. Bz *á-χ̥a-pš-ra*, Abzh *á-χ̥a-pš-ra* 'to look at' (**pšə* 'to look'), *á-χ̥a-čč'a-ra* 'to smile to smb' (**čč'a* 'smile, laugh'), *a-χ̥-z̥a-rá* 'to overstrain oneself', etc.; ~ cf. also **q°a-mčə*
- **q°a-pá(-ja)* — Bz *a-χ̥apá*, Tap *q°apáj* 'mould'; ~ **pa* 'to cover', cf. **q°a-(r-)pə*
- **q°atá* — Bz *a-χ̥atá-ha* 'descr. of noise produced by boiling water'
- **q°aq°á* — Abzh *á-χ̥ax̥a*, Tap *q°aq°á* 'crooked, curved', Tap *q°aq°a-χa-ra* 'to bend' (*χa* 'to become'); ~ redupl., cf. **q°a*
- **q°áq°a* — Bz *a-χ̥áχ̥a-ra*, Abzh *a-χ̥áχ̥a-ra* 'to beat, strike, thrash'
- **q°a-cá* — Bz *á-χ̥ac*, Abzh *á-χ̥ac*, Ahch *á-χ̥aca*, Tap *q°acá* 'nettle' (bot.); ~ **ca* 'hot'
- **q°ac'a* — Ash (AbR 404) *q°ac'a* 'double chin'
- **q°a/əc'a* — Bz (BD 65) *a-χ̥c'ə-r-χ̥á* 'rope or twisted rod for fastening pintles on the horse's or bull's collar', Ash (AbR 404) *q°ac'a-r-pa* 'fastening on the horse's collar'
- **q°ažá* — Bz *á-χ̥aža*, Abzh *á-χ̥aža* 'mountainous region, place'
- **q°acž* — Bz *á-χ̥acž-ra*, Abzh *á-χ̥acž-ra*, Tap *q°acž-ra* 'to smother, stifle', Abzh (AB II: 273) *á-χ̥acž-ga* 'device to smother, stifle'
- **q°azž* — Bz: BD 64 *á-χ̥azž*, Bzp *á-χ̥əzž*, Abzh *á-χ̥azž* 'rhododendron (*Rhododendron ponticum*)', Bz also 'ritual conical or round cake', Bz (Marr, Arch, p. 240) *χ̥azž-k'ž-ra-mžə* 'March' ('month when they take cakes *á-χ̥azž*'), Abzh (AB II: 270) *χ̥azž-k'ž-ra-mžə* 'February'
- **q°ašá* — Bz *á-χ̥aša*, Abzh *á-χ̥aša* 'unhappy, miserable', Abzh *a-χ̥ašá* 'crumble', Tap *q°ašá* 'broken into pieces', 'splinter, fragment, crumb', Abzh *a-r-χ̥aša-ra*, Tap *q°aša-rá* 'to break in small pieces' (Tap), 'to crumble, crumb' (RA 300), 'to destroy, break' (AB II: 97)
- **q°ašž* — Bz *á-χ̥aš'* (BD 65), *a-χ̥ašž* (Esh), Abzh *á-χ̥aš'*, Tap *q°ašž* 'turbid, muddy', 'cloudy, overcast (of sky)', 'sorrowful', Abzh *á-χ̥aš'-ra* 'to become turbid, muddy', 'to become cloudy (of sky)'
- **q°a-h(h)ž* — Bz *á-χ̥aa-ra*, Abzh *á-χ̥aa-ra*, Tap *q°ah(h)-rá* '(to) howl, bellow, yell, shout'
- **q°áhž* — Bz (AF 63, BD 67) *a-χ̥ájž-ha*, Abzh *a-χ̥ájž-ha* (adv.) 'strongly (of stroke, blow)', 'sharply (of sound of shooting)'
- **q°á-mčə* — Bz *a-χ̥ámč//a-mč* 'trunk, body'; ~ for **mčə* cf. **təža-mčə*
- **q°ará* — Bz *a-χ̥ará-ha* 'descr. of nose caused by the falling of flat wooden thing'
- **q°ara* — Bz *á-χ̥ara-ra*, Abzh *á-χ̥ara-ra*, Tap *q°ara-rá* 'to smother, stifle'
- **q°á-(r-)pə* — Bz *-χ̥áp-ža* (adv.) 'ruffled up', Abzh (AB II: 270, 272) *a-χ̥áp*

- 'bulbous, inflated', *a-χ̥árp* 'ailing, sickly, oedematic', Tap *q̥arp* 'mushroom'
- **q̥a-r+tá* — Bz *a-χ̥artá*, Abzh *a-χ̥artá* 'basket to keep cheese'
- **q̥arə-q̥ára* — Bz *-χ̥ar-χ̥ár-wa* (adv.), Abzh *-χ̥ar-χ̥ar-wa* 'rattling, rumbling (e.g. of moving cart)'; onomat.
- **q̥á-r-čə* — Bz *a-χ̥árč*, Abzh *a-χ̥árč* 'mouldering, rotten (usu. of wood)'
- **q̥ə* — Bz *a-χ̥ə*, Abzh *a-χ̥ə*, Tap *q̥ə* 'wool', 'feather(s)', 'hair (on body)'
- **q̥ə* — Bz *a-χ̥ə*, Abzh *a-χ̥ə*, Ash (AD 85) *a-q̥*, Tap *q̥ə* 'share, portion, part'
- **q̥ə* — Bz *a-χ̥ə*, Abzh *a-χ̥ə* 'food'
- **q̥ə* — Bz *a-χ̥-t"-rá* 'to grow mouldy, musty', (Bl, Dzh) 'to exterminate', *a-χ̥-t"-ž* 'chlorosis, green-sickness' (med.); ~ *-t"(ə)* transformative suf.
- **q̥əblə* — Bz *a-χ̥bla-rə* (Xu), *a-χ̥bal-rə* (Dzh), Abzh *a-χ̥əblə*, Ash (Aps) *q̥əblə*, Tap *q̥əmblə* 'cross-beam of the house', SAbx also 'beam over the hearth'; ~ *-m-* in Tap must be epenthetic
- **q̥əphá* — Bz *á-χ̥p̥ha*, Abzh *á-χ̥p̥ha* 'boy of noble family who is brought up, according to tradition, in a peasants' family', Tap *q̥əphá* 'talented, having aptitude'; ~ < CCirc *χ̥ə-p̥xa (meaning as in Tap)
- **q̥ə-dá* — Bz *á-χ̥da*, Abzh *á-χ̥da*, Ash, Tap *q̥da* 'neck'
- **q̥əd-ha* — Bz (BD 264) *a-χ̥daá-ra*, Abzh (AB II: 275) *a-χ̥dáa-ra* 'mountain pass'; ~ prob. deriv. from **q̥ə-da* 'neck', *-ha VRE
- **q̥ətə-q̥ətə* — Bz *a-χ̥ət-χ̥ət-ra*, Abzh *a-χ̥ət-χ̥ət-ra* 'to whisper'
- **q̥əc'a* — Bz *χ̥c'a* in *a-χ̥ac'a-zaa-ra* 'to be inside (of cave, basement, pipe, etc.)', also as prev. 'inside a cavity', cf. Ash (AbR 404)
q̥a-c'a-g̥a-ra 'to hide', Tap *q̥c'a* 'throat'; ~ **q̥ə* 'throat', **c'a* 'bottom'
- **q̥ə-χ̥ʒ* — Bz *á-χ̥əʒ*, Abzh *á-χ̥əʒ*, Tap *q̥ʒə* 'millet'
- **q̥əčə* — Bz *a-χ̥əč-ra*, Abzh *a-χ̥əč-ra*, Tap *q̥əč-ra* 'to think'
- **q̥ə-c'-á* — SAbx (AB II: 279) *a-χ̥c'* 'throat', as prev: Bz *a-χ̥c'ə-r-χ̥əa-rá* (AF 54), *a-χ̥c'a-r-χ̥əa-rá* 'to overstrain oneself, be exhausted, break down'
- **q̥əč"-ə-q-sá* — Bz (BD 219) *a-χ̥c"-əχ̥sá//a-χ̥əč"-χ̥sá* 'hen's clavical' (anat.)
- **q̥əšq'á* — Bz *á-χ̥(ə)sx̥a* 'kitchen-garden flavour plants', Abzh *á-χ̥(ə)sx̥a* 'coriander' (bot.)
- **q̥ə-šə-tħa-rá* — Bz *a-χ̥štaa-rá/ə*, Abzh *a-χ̥štaa-rá* 'hearth'
- **q̥ə-šə-r-bə(bə)* — Bz *a-χ̥šərb* (BD 64), *a-χ̥šərbəb* (AB II: 280) 'dust'
- **q̥əšə* — Bz *a-χ̥šə*, Abzh *a-χ̥šə*, Ash, Tap *q̥šə* 'medicine, remedy', SAbx, Ash also 'gunpowder, poison', Tap *χ̥ə-q̥šə* 'gunpowder' (*χ̥ə* 'bullet')
- **q̥ə-ma-šá* — Bz *a-χ̥mašá* (BD 65, 226), *a-χ̥əmšá* (Zw) 'crumble(s)' (BD), 'dust (of rotten wood)' (Zw); ~ cf. also Bz *a-χ̥aša-maša* 'crumbles', **q̥a-ša*

- **q°əm-gá* — Bz *á-χ°(ə)mga//á-χ°(ə)nga* 'bad, nasty, wicked', *á-χ°(ə)mga-š'a-ra* 'to be squeamish about sth, to disdain' (*š'a* 'to regard, consider'), *á-χ°(ə)mga-k'ə* 'nasty' (*k'ə* 'to take, keep'), Tap *q°əmga-ra* 'witchcraft, magic'
- **q°ə-n-č"ə* — Tap *q°ənc"ə* 'pitchfork'; ~ **q°ə* 'food', **č"ə* 'sharp stick'
- **q°əlá* — Bz *á-χ°la-ra*, Abzh *á-χ°la-ra*, Tap *q°la-rá* 'to fall (of night, twilight), get dark'
- **q°ə-lá-* — Bz *a-χ°la-mš"ə*, Tap *q°lam-č°-apš'* (*č°a* 'skin', *apš'* 'red') 'larynx' (anat.), Bz *á-χ°la-s"ə-ra* 'to get/fall into larynx', *á-χ°la-χa-ra* 'to be stuck in the throat' (*χa* 'to stay'); ~ cf. **q°ə-da* 'neck'
- **q°ə-la-pá* — Bz *á-χ°əl-p-a-žə* 'in the evening'; ~ **q°əlá* 'to get dark', **a-* 3d p.sg. poss. aff., **žə* 'for'
- **q°ərtáz"ə* — Bz *χ°ərtáz"ə* 'unpolished, uncouth' (Axu), 'not grown up, too small for his age' (Zw), AB II: 278 'round-shouldered, stooped'

23. **q'*

- **q'á-(p-)č"ə* — Bz: BD 120 *a-q'ápč"ə/a* 'chin', Lyx *a-q'áč"* 'fat skin under chin'; ~ **č"ə* 'skin'
- **q'-apš'ž* — SAbx *á-q'apš'*; indef.sg. *q'apš'ž-k'*, Ash, Tap *q'apš'ž* 'red'
- **q'at'á* — SAbx (AB I: 385) *á-q'at'a-ra* 'to bring damage to smb, forestalling him'
- **q'at'á* — SAbx *a-q'at'á* 'young (of people, animals, plants), fresh', Bz *d-q'at'-q'at'a-wá* 'lean, slender, lithe, tall (of men)'
- **q'at'á* — SAbx (AB I: 385) *a-q'at'á-ra* 'waist, small of the back', 'flesh without bones'
- **q'á-g"ə* — SAbx (AB II: 382) *a-q'ág"ə* 'blunt'
- **q'a-q'á* — SAbx *á-q'aq'a-ra*, Tap *q'aq'-rá* 'to chew', SAbx also 'to gnaw', 'to damn'
- **q'aq'ába* — SAbx (AB I: 383) *a-q'aq'áb* 'bustard' (ornith.)
- **q'acá* — Bz (BB) *a-q'acá*, LAbx (AB I: 386) *a-q'acá* 'strong, hard', Tap (Tabulova 1984: 50) *š"-q'aca-rá* 'to become numb (with cold)' (*š"-ra* 'to get cool, numb')
- **q'a-c'á* — SAbx *á-q'a-c'a-ra*, Ash *q'a-c'a-rá* 'to do, make'
- **q'áza* — SAbx *a-q'áza*, Tap *?áza* 'master, specialist, expert'; ~ < CCirc **qa-za* 'specialist; able'
- **q'azə-š'á* — SAbx *a-q'azš'á*, Ahch *a-q'azšš'a*, Ash, Tap *q'azš'á* 'character, habit, manner, behaviour'
- **q'ása* — SAbx *a-q'ása* 'experienced; important' (AB I: 385), 'smart' (Dzh), Tap *j-?asa-w* 'quiet, mild', *r-?asa-ra* 'to subdue, restrain'
- **q'ážá* — SAbx *á-q'áža-ra* 'to hold in, restrain', 'to tame'; ~ < CCirc **q'a-ža*

- ‘to restrain’
- **q'-as̥á* — SAbx *a-q'as̥á* ‘forage, fodder’; ~ **as̥a* ‘to weed’
 - **q'a-há* — SAbx *á-q'aa-ra*, Ash *q'ā-rá* ‘to shout, bellow, roar; to speak very loudly’
 - **q'áma* — SAbx *a-q'áma*, Tap *q'áma* ‘dagger’
 - **q'a-lá* — SAbx *á-q'ala-ra* ‘to be’, ‘to begin, come, happen’, ‘to ripen’, *á-q'ala* ‘ripe’, Ash (Aps) *g'-q'alá-m* ‘unripe’; ~ **q'a* ‘to be, exist’, *-*la* VRE
 - **q'ar-q'ar̥s* — SAbx *á-q'arq'ar̥-ra* ‘to cackle’
 - **q'arašs* — Bz *a-q'ar(a)šs*, Abzh *a-q'əršs* (BD 223) ‘shrike’ (ornith.)
 - **q'a/ərh̥i°ážs* — SAbx (AB I: 385) *a-q'a/ərh̥i°ážs* ‘very old, decrepit’
 - **q'armá* — SAbx *a-q'armá* ‘hop’, Xu ‘bind-weed’ (bot.), SAbx *a-q'arma-c'zs* ‘nightingale’ (**c'ž-sə* ‘bird’); ~ cf. **k'armá*
 - **q'a* — Tap *q'-ra* ‘to hollow, chisel, peck’, *q'a-ga* ‘chisel’, *q'a-r-ta* ‘chiseld hollow (in wooden things)’, SAbx *a-q'ž-ga* ‘small knife for cutting the swellings’
 - **q'ž* — SAbx *a-q'-rá* ‘to ram, press, squeeze’, *a-q'ž-ga* ‘rammer, beetle’
 - **q'ž* — Bz *a-q'-rá* ‘to damn’, Abzh *a-q'-rá* ‘to be influenced by evel eye’
 - **q'ž-bah̥i°ə* — SAbx *a-q'žbaj°* ‘talent, gift’; ~ **bah̥i°ə* ‘bone’
 - **q'ž-č'ə* — SAbx *a-q'ž-č'-ra*, Tap *q'ž-č'-ra* ‘to plane, hew, trim’; ~ **č'ə* ‘to plane, shave, hew’
 - **q'žč'ə* — SAbx (AB I: 389) *a-q'žč'-ra* ‘to calm (of heart)’
 - **q'əzə-q'əzə* — SAbx (AB I: 388) *a-q'əzq'əz-ra* ‘to become fat, greasy’, ‘to feel sick’
 - **q'žžə* — SAbx *a-q'žž-ra* ‘to shout, squeal, screech’; onomat.
 - **q'əm-q'əmə* — Bz *-q'əm-q'əm-wa* ‘(to eat) greedily, being very hungry’
 - **q'ənž'ə-q'ənž'ə* — Bz *a-q'ənž'-q'ənž'-ra* ‘to be very slow’
 - **q'ərə* — SAbx *a-q'ər-ra* ‘to croak, caw’, *á-q'ər-q'ər-ha* descr. of loud laughter; Bz (Zw) *a-q'rə* ‘a kind of bird’; ~ onomat.
 - **q'ərq'ž* — SAbx *a-q'a/ərq'ž*, Ash (Kondzh 27) *q'arq'ž*, Tap *q'ərq'ə* ‘throat, gullet’ (anat.)
 - **q'ž(r)t'ə* — SAbx *q'ət'* ‘descr. of a sound produced by a man’, Tap *q'ərt'* ‘descr. of sound produced by swallowing’; ~ onomat.
 - **q'q'a* — SAbx (AB I: 386) *a-q'q'a* ‘pattern, tracery’, *a-q'q'a-ra* ‘to to make pattern on wood’

24. **q''*

- **q'a* — SAbx *a-q'a-rá*, Tap *q'a-rá* ‘to wave, flap, swing one's arm’, ‘beat, strike’, SAbx also ‘to set (dog) at smb’
- **q'aba* — Tap *q'aba* ‘ploughshare’
- **q'á-psə* — SAbx *a-q'áps* ‘shallow, not deep (of vessel)’, *a-q'áps-ra* ‘flatness’
- **q'at'a* — SAbx *a-q'at'a*, Ash, Tap *q'at'a* ‘slushy’, ‘diluted (by water)’, ‘wash’

- *q'at'áma — Bz *a-q'at'áma*, Abzh *a-y'at'ama* 'pintle of the yoke'; ~ cf. BD 224
 *q'a-(n)t'á-(ma-)žə — Bz *a-q'ə/amt'áž*, Abzh *a-q'ant'áz*, Bat (Sam) *a-q'ant'ás*, Tap *q'at'amaz* 'naked', 'bare-footed'
 *q'at'ə-q'át'ə — SAbx *a-q'at'-q'át'* 'maize porridge used for preparing *a-básta*',
a-q'at'-q'át'-ra 'boiling of porridge', Tap *q'at'-q'at'* 'talker,
 chatterer', 'talkative, blabbing'; ~ onomat., redupl.
 *q'á-q'á — SAbx *a-q'áq'á*, Tap *q'áq'á* 'flat, even', 'broad, wide'
 *q'a-q'á — SAbx (AB I: 391) *a-q'q'á* 'descr. of noise produced by a crowd'
 *q'az̥əšə — Bz (Zw) *-q'az̥əš-wa* 'rushing, tossing about'
 *q'á-šə — SAbx *a-q'ás* 'bald, naked', *a-q'ás-ra* 'baldness', 'bald field, steppe'
 *q'aša-q'ašá — SAbx *a-q'ašq'aša-rá* 'to lap, swash'
 *q'áh̥ə — SAbx *a-q'áj̥(-h̥a)* 'descr. of slap, tumble, etc.'
 *q'á-la — SAbx *a-q'ála* 'vagrant, itinerant', 'stray, lost', 'tramp, vagrant',
a-q'ála-ra 'to be on the tramp', 'to lose way', 'to be confused,
 bewildered'
 *q'ə — SAbx *a-q'ə*, Tap *q'ə* 'excrements, manure'
 *q'ə-msára — Bz *a-q'ə/amsár*, SAbx *a-q'amsár* (AB I: 391) 'rubbish, sweepings';
 ~ *q'ə 'excrements, dirt', *psa 'to pour'
 *q'ə-ca-tə — Bz *q'acát'* 'rabble, riff-raff, small fry (of people)'; ~ *q'ə
 'excrements'
 *q'ə-č̥ə — Bz *a-q'č̥ə*, Abzh *a-q'ac̥ə* (AB I: 391) 'wet, saturated with water',
 'rotten, tainted, spoiled (of food)', SAbx *a-q'č̥ə-ra* 'wet and
 slippery place'
 *q'əč̥ə-q'əč̥ə — SAbx (AB I: 391) *q'əč̥ə-q'əč̥ə* 'by parts, little by little, slowly'
 *q'əšə — Bz *a-q'(a)šə*, Abzh *a-q'asə* 'dirty', Bz *a-q'(a)š'-rá*, Abzh
a-q'as'-ra 'to dirty, soil'; *q'ə 'excrements, dirt', *šə 'to smear,
 spread'
 *q'ə-mp'ətə — Bz *a-q'a/əmp'ət'* 'a small excrement'

25. *q"

- *q"a — *'mouth', preserved as preverb only
 *q"a — Abx (ABA I, 391) *a-q"á* 'poisonous, heady (of honey)', 'rotten
 (with musty smell)'
 *q"a — Tap *q"a-ra* 'to be late, stay too long'
 *q"a — Bz (Kald) *a-ʒ-áj-χa-q"a* 'spring fenced by stones' (*a-ʒə* 'water',
áj+χa- preverb 'together+above'; ~ cf. *t°a-q"a)
 *q"a-pa=č'á-pa — Abx *a-q"apa-č'ápa* 'uneven, bumpy (of relief)'; ~ *q"a 'mouth',
 *č'a 'mouth', *pa 'to jump'; cf. *q"a-jə=č'a-jə
 *q"áda — Abx *a-q"áda* 'blood' (AB I: 391), 'coagulated, clotted blood' (Bzp,
 Tx)

- *q[~]áta — Bz (BD 220) *a-q~áta-ra* 'to burst'
- *q[~]atxa — Bz *a-q~átha*, Abzh *a-h~átha*, 1Gum *q~atxə* 'trophy, captured material'; ~ < Ad *q~antx*, Kab *q~ajntx* 'id'
- *q[~]at'a — SAbx *a-q~at'a* 'soft, mild'; ~ *q[~]a 'mouth', *t'a(-t'a) 'mild, soft'
- *q[~]áq'ə-q[~]áq'ə — Bz *q~áq'ə-q~áq'ə* 'descr. of frog's croaking'; ~ onomat.
- *q[~]áq'a — Bz *a-q~áq'(a)*, Abzh *a-q~áq'a* 'back' (anat.), AB I: 392 also 'top of the roof', Ash, Tap *q~áq'a* 'pelvis, hip-bone' (AbR 251), 'sacrum (of the back)' (Gum, Ash), GA 46: 'back'
- *q[~]áq'a — SAbx *a-q~áq'a-ra*, 'to cut, cleave, slit, section, crush', 'to kill, exterminate', Tap (Tabulova 1984: 50) *r-q~áq'a-ra* 'to beat, soften by beating' (*r-* caus.)
- *q[~]ážə — SAbx *a-q~áž'* 'penis (pueri)', Sa *a-q~áž'* 'penis', Ash *q~až'* 'testicles', Tap: Gum (AO) *q~až'* 'genitals'; < Meg-Laz *q~waž-i 'testicle'
- *q[~]áč'a — Bz (BD 231) *a-ž-(ta-)q~áč'*, LAbx (AB I: 269) *a-ž-q~áč'a* 'puddle' (žə 'water')
- *q[~]áč'ə-q[~]áč'ə — SAbx *a-q~áč'ə-q~áč'ə-ra* 'to croak (of frogs)'; ~ onomat.
- *q[~]ážə — Bz *a-q~áž'*, Abzh *a-q~áž* 'big, stout', 'plump, fat'; ~ *q[~]a 'mouth'
- *q[~]ážə — SAbx (AB I: 391) *a-q~áž'* 'plump (of a child)'; ~ *q[~]a 'mouth'
- *q[~]ášə — SAbx *a-q~áš* 'white, pale'; ~ *q[~]a 'mouth', *šə 'white'
- *q[~]ášə — SAbx *a-q~áš* 'fossilized trunk of tree'
- *q[~]ášə — SAbx *a-q~áš* 'soft and white'
- *q[~]ayá — SAbx (AB I: 391) *a-q~ayá* 'kidnapped man, captive'
- *q[~]alažə — Abzh (Tx, Ku) *q~alamáž'* 'penis pueri', Tap (Elb) *q~laž'* 'testicles'; ~ cf. *q~ažə; for -ma- cf. Abzh, Sa *a-k'amáž'(-k'a)* 'penis pueri'
- *q[~]dla — SAbx *a-q~dl* 'big piece (of sugar, metal, etc.)', cf. Tap (GA 46) *q~al* 'альчик'
- *q[~]altá-sə — SAbx *a-q~altás*, Ahch also *a-q~altáž'* 'testicle(s)', Tap (Gum) *q~altás* 'genitals'
- *q[~]a-(n-)da — SAbx *a-q~ánda* 'warm', Tap *q~ada-ra* 'to become warm (of water)'; ~ *nə-da 'to cool'
- *q[~]ánč'a — Abzh (Ku) *a-q~ánč'a* 'big, great, bulbous, inflated'
- *q[~]a-rá — Bz (AF 111) *a-q~rə*, LAbx *a-q~ará* '(stony) sea/river shore, coast', U 157 'stony shore of the river before it falls into the sea', Ash (AD) *ha-q~ará* 'shore', Tap *ha-q~ará* 'gravel' (*ha 'stone')
- *q[~]ara — Bz *sap'án q~ára-k'* (Bl)//*q~rá-k'* (Dzh) 'a cake (of soap)'
- *q[~]ará — LAbx (AB I: 393) *a-q~ará-h'a* (adv.) 'shivering, shaking', cf. also redupl. of *q~ara* with apophony *r~č*: *a-q~ará-q~anča* 'awkward (of man)', 'children's swing made on logs', *a-q~ara-q~ánča-ra* 'to rock' (-n- is epenthetic), and with apophony *q~~č*: *a-q~ar~čár-ra* 'to rock'
- *q[~]aráq[~]antə — SAbx (AB I: 392) *a-q~aráq~ant~* 'loop'; ~ cf. Tap *q~rəq~* 'pole with loop for catching horses, loop' < Kab *q~ərəq~* 'log')
- *q[~]arašá — Bz *a-q~(a)rsá*, Abzh *a-q~arasá* (BD 123) 'turtle-dove' (ornith.)

- *q[~]aráyə — SAbx *a-q[~]aráy* 'lasso'; ~ cf. CCirc *q[~]araya: Kab *q[~]äray*, Ad *băš'-q[~]äräy* (*băš'* 'log'), Kum *qurux* 'log'
- *q[~]árdə — SAbx *a-q[~]árd* 'chair, stool'
- *q[~]ártə — SAbx *a-q[~]árt*, Ash, Tap *q[~]art* 'brood-hen', SAbx *a-q[~]árt-ra*, Tap *q[~]art-ra* 'to cluck, cackle (of brood-hen)' (SAbx), 'to put the brood-hen on eggs' (Tap); ~ onomat.
- *q[~]ártə — SAbx *a-q[~]árt*-ra 'joint' (anat.)
- *q[~]árcə — SAbx *a-q[~]árc* 'tower' (arch.)
- *q[~]a-jə=č'á-jə — Tap *q[~]aj-č'aj* 'uneven, bumpy (of relief)'; ~ *q[~]a 'mouth', *č'a 'mouth', *jə coordination suf.
- *q[~]ə — SAbx *a-q[~]-rá* 'to bend'
- *q[~]ába — SAbx *a-q[~]ába-ra* 'to shake down, cause to fall (e.g. fruit)', 'to soap'
- *q[~]əbá-q[~]əšə — SAbx (AB I: 394) *a-q[~]báq[~]šə-a-ra* 'quietly, tenderly doing sth'
- *q[~]əbərə — Tap *q[~]əbər* 'mosquito, midge'; ~ cf. *k[~]əbərə; cf. also Ash (AbR 251) *q[~]dər* 'gadfly' ?
- *q[~]əp'č'a — SAbx *a-q[~]ábč'a* 'neat, tidy, orderly (of man)', Tap *q[~]əp'č'//?əpč'* 'clear, certain'; ~ < CCirc *q[~]ə-p'č'a 'articulate, clear'
- *q[~]ádə — SAbx *a-q[~]ád*, Ash, Tap *q[~]ad* 'haricot' (bot.)
- *q[~]ə-k'ə — SAbx *a-q[~]k'ə* 'mould', 'musty, mouldy, stuffy', *a-q[~]k'ə-ra* 'stuffy air', 'mould', Bz (ABA I, 394) *a-q[~]-k'-rá* 'to become mouldy', 'to become stuffy'; ~ *q[~]a 'rotten', *k'ə 'take, grab, catch, keep'
- *q[~]əq"á — SAbx *a-q[~]q"á* 'wooden three-cornered collar for animals'
- *q[~]əq"ə — Tap *q[~]əq"* (adj.) 'cowered, stoop'
- *q[~]əč"ə — SAbx (AB I: 269, 398) *a-(ž-)q[~]əč"ə*, Ash (AbR 212) *ž-q[~]əč"ə* 'tributary'
- *q[~]ə-č'ə — SAbx *a-q[~]č'-rá*, Tap *q[~]č'-ra* 'to be crumpled'
- *q[~]əž-gə — Bz (BD 41) *a-q[~]əžgá* 'dazed, torpid', Abzh (AB I: 396) *a-q[~]əzga-ra* 'to lose one's wits, go out of one's mind'; ~ *ga 'to bring, carry'
- *q[~]ə-s'ə — Bz (BB) *a-q[~]ə-s'-ra*, Abzh *a-q[~]əs'-ra* 'to blink, wink'
- *q[~]əšə — SAbx *a-q[~]əš*, Tap *q[~]əš* 'witty, clever' (SAbx), 'sly, cunning, dodgy' (Tap); ~ < CCirc *q[~]ə-šə 'smart, intelligent'
- *q[~]əγa — SAbx *a-q[~]əγa* 'clever, smart, serious'
- *q[~]ə-mš"əšə — SAbx *a-q[~]əmš"əšə* 'mild, soft, tender, gentle, meek', *á-q[~]əmš"əš"-ra* 'flesh (also of fruit)'
- *q[~]əna — Bz *a-q[~]ən*, Abzh *a-q[~]əna* 'metallic decoration on the belt, gird, bridle, saddle-girth, etc.'
- *q[~]ə-nə — *'belt, girdle': SAbx *a-q[~]ən-c'a-rá* 'to hang/attach weapon on/to gird' (*c'a* 'to put'), *a-q[~]ən-maq'a* 'men's belt, girdle' (*maq'a* 'girdle'), *a-q[~]ən-š'a-rá* 'to neglect, scorn, ignore, be discontented' (*š'a* 'to regard')
- *q[~]əndə-q[~]əndə — SAbx *a-q[~]ənd-q[~]ənd*-ra 'to grumble'
- *q[~]ənt'rəš"ə — Bz (IM) *-q[~]ənt'rəš"-ža* 'tidy, neat, tiny'

- *q”^ə*ð(n)ʒə* — SAbx *a-q”ənʒ*; Tap *q”əʒ* ‘dry maize stem without leaves’ (SAbx), ‘rough remnants of straw, hay’ (Tap); ~ -n- in SAbx is epenthetic
 *q”^ə*lajə-q”əlajə* — Bz *d-q”laj-q”laj-wa* ‘to growl, grumble, mutter to himself (while going)’
 *q”^ə*ʃja* — Bz *a-q”əʃja-ra* ‘to steam body or its parts (as a remedy)’
 *q”^ə*ʃjtə* — SAbx *a-q”əʃjt* ‘quiet, silent, sad’

26. *_ʒ

- *_{ʒa} — SAbx *á-ʒa-ra* (AB I: 266), Bz (BD 169) *a-ʒa-rá* ‘to delay, postpone, give some time’, *a-ʒa-rá* (AB I, 266) ‘postponed time, term, delay’;
 *_{ʒ-áy’ā} — Bz *a-ʒáy’ā*, Abzh *a-ʒáy’ā* ‘blister’, ‘rot in the nut’, Tap *cáy’ā* ‘blister’, ‘callosity’; ~ *_{ʒə} ‘water’
 *_{ʒ-á-h°a} — SAbx (AB I: 267) *a-ʒáh°a* ‘swamp’; ~ *_{ʒə} ‘water’, *h°a* ‘dry’
 *_{ʒə} — SAbx, Ash *a-ʒə*, Tap_{ʒə} ‘water, river’
 *_{ʒə-tá-śə} — Bz *a-ʒtás*, Abzh *a-ʒtás*, Tap (AbR 213) *ʒtas* ‘king-fisher’ (SAbx), ‘heron’ (Tap); ~ *_{ʒə} ‘water’, *_{ta} ‘inside’, *_{śə} ‘beat, strike’
 *_{ʒəq’ə} — SAbx *a-ʒq’ə* ‘infant’
 *_{ʒəʒə} — Abzh *a-ʒəʒ(-k°a)*, AB I: 274 *a-ʒəʒ*, Ahch *a-ʒəʒ-k°a*, 2Gum *ʒəʒə* ‘woman’s/mother’s breast’ (SBL); ~ -k°a pl. suf.
 *_{ʒəʒə} — Bz *a-ʒəʒ-ra*, Abzh *a-ʒəʒə-ra* ‘to shiver, tremble’
 *_{ʒə-č’ə} — Bz *a-ʒə-č’(a)*, Abzh *a-ʒə-č’ə*, Tap *ʒə-č’ə* ‘heron’ (SAbx), ‘swan’ (Tap), A 59: SAbx ‘swan’; ~ *_{ʒə} ‘water’, *_{č’ə} ‘to sleep’
 *_{ʒə-z-l-anə} — SAbx *ʒəzlan* ‘(river-)mermaid’; ~ *_{ʒə} ‘water’, _{zə-} ‘which’, _{-la-} ‘be amidst’, *_{anə} ‘mother’
 *_{ʒəγə-ʒəγə} — Bz *a-ʒəγʒəγ-ra* ‘to be cold’, TuBz *a-ʒəγʒəγ* ‘cold’
 *_{ʒəγ’ə} — SAbx *-ʒəγ’-ʒə* ‘watchfully, intently (of glance)’; ~ cf. *_{c’əγ’ə}
 *_{ʒə-h’ə} — Tap *ʒə-h’ə* ‘river’; ~ *_{ʒə} ‘water’, *_{h’ə} ‘to run’
 *_{ʒə-mč’ára} — Bz *a-ʒəmč’ár* (Xu), *a-ʒəmč’ár* (Kald), *a-č’əmč’ár* (Dzh) ‘spring flowing from the gutter, trough’; ~ *_{ʒə} ‘water’
 *_{ʒə-rə-z’ə} — Bz *a-ʒə-r-z’-ra*, Abzh *a-ʒ-rə-z’-ra* (BD 141), Tap *ʒ-rə-z’-ra* ‘to temper, steel (the metall)’; ~ *_{ʒə} ‘water’, *_{rə} caus., *_{z’ə} ‘to drink’
 *_{ʒərə-k”ája} — Abzh *a-ʒərk”áj* ‘fire-fly’ (zool.)
 *_{ʒə-r-ʒə} — SAbx (AB I: 277) *a-ʒərʒ* ‘bright, intensive (of colour)’
 *_{ʒə-r-ʒə} — SAbx (AB I: 277) *a-ʒərʒ* ‘salt water’
 *_{ʒə-r-la-s’ə} — Bz *a-ʒərlas’*, Abzh *a-ʒərlas’*, Tap *ʒərlas’* (AbR 214), *ʒarlas’* (RAb 522) ‘grass-snake’ (zool.); ~ *_{ʒə} ‘water’, -r- connective, *_{la-s’ə} ‘blind’
 *_{ʒla} — SAbx *á-ʒla//á-zla* ‘sweet’

24. *c

- *ca — SAbx *a-cá* 'hot, bitter'
- *ca — SAbx *a-cá*, Ash, Tap *ca* 'granary, barn'
- *cablə — SAbx (AB I: 305) *a-cablə* 'snipe' (zool.), *a-ca/əblə-k'* 'woodcock' (zool.); but cf. AB II: 358 *a-c'ablək'*; whence *c'ablə ?
- *cag°á — SAbx *á-cag°*, Tap *cag°a* 'blunt, not sharp', SAbx *á-cag°-ra*, Tap *cag°a-ħa-ra* 'to become blunt'
- *caq'á — Abzh (BD 203) *a-caq'á* 'adze', 'carpenter's axe'
- *cay'á-cáy'á — SAbx (AB I: 306) *á-cay'-cay'* 'brilliant, shining'
- *ca-ħá — SAbx *á-caa-ra* 'pedere'
- *ca-ħ°a=ca-ħ°á — SAbx *á-caħ°-caħ°a-ra* 'to make very hot', Tap *caħ°-caħ°-ra* 'to shine, glitter'; ~ *ca 'hot'
- *camə-cámə — SAbx *a-cam-cám-ra* 'blush, glow (of cheeks)'
- *ca-lá-q'á — SAbx *a-caláq'á* 'small balcony on the maize-granary'
- *ca/ərk'á — SAbx *a-ca/ərk'á* 'lame, limping', *á-cərk'-ra* 'to limp'
- *cárq'á — Bz (Ach) *a-cárq'* 'carpenter's cord to mark the line of cutting' (BD 203)
- *ca-ja=cá-ja — SAbx (AB I: 309) *-caj-cáj-wa* 'glittering, shining'
- *cə — Bz *a-c* 'tooth' (usu. of animals)
- *cə — SAbx *a-cé-ra//a-c-rá* 'one small piece', AB I: 322 also 'grain', 'fruit', Tap *cə-ra* 'a grain', SAbx -c suf. denoting one small piece of sth (Bz *rašá-c-k'* (BD 315) 'one nut', *čá-ra-žə-c-k'* (U 170) 'one wheat grain', etc.), *á-c-nap'ə-k'* 'one hand'
- *cəpħ'á — SAbx *á-cəpħ'* 'spark'
- *cəxə-cəxə — Abzh (Chl) *-cəx-čəx-ža* 'bright, smart'
- *cərə-cərə — SAbx *á-cər-cər*, Tap *cər-cər* 'bright, shining, beaming'
- *ck'á — SAbx *á-ck'á*, Tap *ck'á* 'clean', SAbx also 'sacred'
- *cca-k'á — SAbx *á-ccak'-ra* 'to hurry, hasten', *a-cca-k'á* 'quick, hasty'; ~ *k'á 'to hold, seize'
- *cca — SAbx *a-cc-rá* 'to shit'
- *ccəs'á — Bz *á-ccəs'* 'ashes'
- *ccəs'á — SAbx (AB I: 320) *á-ccəs'* 'very sharp'
- *cħá — SAbx *á-cħa*, Ash, Tap *cħá* 'honey'
- *cħá — Bz (BD 99) *á-cħa-ra* 'to pull the trigger'
- *ħam-k'á-rə — Bz (BD 205) *a-caamk'ár*, AB I: 306 also *a-camk'ár* 'wooden hook to hang the basket'; ~ *k'á 'to take, keep, catch'
- *ħa — SAbx *á-ħa*, Tap *ħa* 'bridge'
- *c-ħa — SAbx *á-ħa-ra*, Tap *ħa-ra* 'to bite', SAbx (AB I: 319) *á-ħa* 'sharp (of knife)', 'biting (of dog)'; ~ *cə 'tooth'
- *ħa — SAbx (AB I: 319) *á-ħa-ra*, Tap *ħa-ra* 'to inform, communicate, pass the word (through smb)'

- *c-ha=fərə — SAbx (AB I: 319) *a-cha-fər* 'very sharp, well-sharpened'
 *cħa-r-až'a-h'a — Bz (BD 278) *a-čħaražħ'a* 'apostle', Abzh (AB I: 319)
 a-čħarāžħ'a-ra 'information, mediation'; ~ *cħa 'to inform', -ra
 masdar suf., *až'a 'word', *ħ'a 'to say, tell'
 *c-lamħ'a — Bz *á-clamħ°* (U 171), *a-clamħ°á/á*, Abzh *a-clamħ°á*, Tap *clamħ°a*
 'jaw'; ~ *cə 'tooth'

28. *c'

- *c'a — SAbx *á-c'a* 'bottom', 'under', 'eye (of needle)', also as prev. 'under'
 *c'a — Bz (160) *a-c'a-ra* 'to carry, pull (on one's back)'
 *c'a — SAbx *a-c'a-rá*, Tap *c'a-rá* 'to lay eggs'
 *c'apħá — SAbx *a-capħá*, Tap *c'apħá* 'key', Tap also 'lock'
 *c'á-da — SAbx *a-c'ax°-c'ád* 'part of saddle put under horse's or donkey's tail',
 Tap *c'da* 'cord, lace'; ~ *c'a 'under', *da 'to lead, carry'
 *c'a-k'á — SAbx *a-c'a-k'-rá* 'to plait hair' (Bz), 'to harness, yoke', *á-c'a-k'-ra*
 'to attach under sth', 'to hide oneself, live under sth', 'to hide',
 a-c'ak'á 'space, room', 'content, meaning', 'essence, importance',
 Ash *c'a-k'-ra* 'to collect crops', 'to bury', Tap *c'a-k'-ra* 'to hide sth',
 c'ak'á 'secret, enigma'; ~ *c'a 'under, bottom', *k'á 'to hold, seize'
 *c'ak"á — Bz (BD 102) *a-c(')k"a-rá*, Abzh (Dzhg) *a-c'k"a-rá* 'to cut the extra
 twigs on a plant', Abzh also 'to cut the notches (on the inner side
 of the mill-stone, on goatling's ear, etc)', 'to wound slightly' (AB II:
 383), Ash (AbR 420) *c'ak"á* 'scratch', *c'ak"a-ra* 'to scratch', Tap
 c'k"a-ra 'to whet a scythe', 'to cut the notches on the mill-stone',
 cf. also Tap *c'ak"a-ra* 'to miss fire'
 *c'ak"asa — Ash (AbR 420) *c'ak"asa-ra* 'to leave, run secretly'
 *c'a-q'á — Bz (*á-*)*c'q'a*, Abzh *á-c'aq'a//c'aq'á*, Ash (ABR 420) *c'a-q'a* 'under,
 on the bottom, below'; ~ *c'a 'bottom, beneath', *q'a 'place'
 *c'áq'á — SAbx (AB II: 364) *a-c'áq'á* 'instrument for making wooden shoos'
 *c'a-q"á — Ash (AbR 420) *c'a-q"á* 'to miss fire'
 *c'ásə — SAbx *a-c'ás*, Tap *c'as* 'costume, tradition, habit, behaviour'; ~ <
 Geo *c'es-i* 'rule, order'
 *c'as"k"á — SAbx *á-c'as"k"á-ra*, Tap *c'a-s"k"á-l-ra* 'to disappear, miss' (SAbx),
 'to submerge, sink, drown'; ~ *c'a 'bottom'
 *c'a-ħə — Bz *á-c'a-ħ'*, Tap *c'a-ħ'(á)* 'downwards'; ~ *c'a 'bottom', *-ħə
 'directive'
 *c'a-há — Ash *c'aħa* 'more than'
 *c'amə-c'ámə — SAbx (AB II: 365) *a-c'am-c'ám-ra* 'to gleam of sth deep-green or
 -blue (e.g. of lake, sky, etc)', 'to be greedy, gluttonous'
 *c'alá — SAbx, Ash *á-c'la*, Tap *c'la* 'tree', cf. Ash (AD 49) *a-c'al-až* 'old'

- tree'
- *c'ála-ʒə — SAbx *a-c'álʒ*, Tap *c'alaʒ* 'ichor'; ~ < Geo *c'ala* 'lymph', *ʒə 'water'
 - *c'á-n-da — SAbx *a-c'ánda* 'a bit warm', 'to lose a bit of warmth'; ~ *nə-da 'to cool'
 - *c'arp'ána — SAbx (AB II: 371) *a-c'arp'án*, Tap *c'arp'ána* 'flute'; ~ a var. of *č'arp'ána
 - *c'a/ərə — SAbx *á-c'ar-ra*, Tap *c'ər-ra* 'to yell, howl', cf. also SAbx (AB II: 331) *c'ərə-mər-wa* 'squealing, screeching'
 - *c'a-wəla — SAbx *a-c'awəla*, Tap *c'awla* 'deep'; ~ *c'a 'bottom'
 - *c'ájə — SAbx *a-c'áj*, Tap *c'aj* '(male) child'; ~ < Megr *c'(i)e* 'id.'
 - *c'ap-c'ápa — SAbx (AB II: 391) *a-c'apc'áp* 'kind of bird', Rus 'каменка обыкновенная'; ~ onomat.
 - *c'á-pxə — SAbx, Ash, Tap *c'apx* 'last year', SAbx *c'apx-c'á* 'the year before last'; ~ *pxə 'summer'
 - *c'ágə — SAbx *a-c'ág'-ra* 'to kick'
 - *c'ak'k'á — SAbx (AB II: 390) *c'ə-k'k'á* 'open, naked, clean'
 - *c'á-q'á — Bz *a-c'áx*, Abzh *a-c'áx'a*, Ash, Tap *c'áq'a* 'tail', 'end'; ~ *q'a 'crooked'
 - *c'ázə — SAbx *a-c'áz-ra* 'to squeal, screech', cf. also Bz *c'áz-q'a* 'capricious'
 - *c'ə-sə — Bz (BD 45) *a-cc-rá//<a-c's-rá*, Abzh (AB II: 395) *a-c'əs-rá*, Tap *c's-ra* 'to rock, shake, shiver', 'to move (of a mass)', SAbx also 'to rebel', 'to start to wave (of wind)'; in Bz *c'<c'* by assimilation with ś; ~ *c'ə < *c'a 'bottom, under', *sə 'to beat'
 - *c'áyə — Bz *a-c(')áy*, Abzh *a-cáy* (BD 108), Tap *c'əy* 'marten'
 - *c'ay'ə — Ash (AbR 424) *c'ay'-ra* 'to shine, glitter'
 - *c'ay'y'ə — Tap *c'ay'y'-ra* 'to squeal, screech'
 - *c'áxə — Bz *á-c(')áx*, Abzh *á-c'áx*, Tap *c'áxə* 'night', Bz (U 84) *c'áx-lá* 'at night', *c'áxa/a-bžá-w-n*, Abzh *c'áx-a-bžá-w-n* (BD 98, 435, Ash *c'áx-bžá-n* (Tabulov, Ob abaz d-x, 59), *c'áx-bžá-n* (AbR 421), Tap *c'(\á)x-k'ta* 'midnight'
 - *c'ə-há — SAbx *a-c'áa*, Tap *cha-sə* 'ice' (*sə-ra* 'to freeze'), SAbx also 'frost', SAbx *a-c'áa-ra* 'to freeze, congeal'; há VRE; in Tap deglottalisation of *c'* and devoicing of *h*
 - *c'ə-ha — SAbx *a-c'aá-cl'a*, Tap *c'əh* 'birch-tree'; ~ deriv. of *c'ə-há 'ice'? in Abkhazia birch-tree can be found only high in the mountains, near the zone of permanent snow
 - *c'ə-há — SAbx (AB II: 398) *á-c'j'a* 'the lower mill-stone'
 - *c'əmc'ə — Bz (BD 231) *a-c'əmc'* 'edge (of axe, knife)'
 - *c'əmh'h'a — Bz (Esh) *a-c'əmh'h'ár*, Abzh (AB II: 383) *a-c'məh'h'ár*, Tap *c'əmh'h'a-ra* 'sediment', SAbx also 'small fry', 'indecent, dishonourable'
 - *c'ərə — SAbx (AB II: 393) *c'ərrə-h'a* (adv.) 'descr. of noise produced by

- contact of electricized things', Tap *c'ər-ra* 'to shout'; onomat.; geminate *-rr-* in SAbx is expressive
- **c'ər-c'ərə* — SAbx (AB II: 393) *á-c'ərc'ər-ra* 'descr. of the sounds produced by dragon-fly, snake, etc', Tap *c'ərc'ər-ra* 'to squeak, cheep, peep', Bz *a-c'ərc'ər* 'cicada', Tap *c'ərc'ər* 'cricket'; ~ redupl. of **c'ərə*
 - **c'ər-sə* — Bz *a-c'ərsə* 'whistle'; ~ **c'ərə* 'to shout, squeak', **səsə* 'to whistle'
 - **c'ə-(r-)sə* — SAbx (AB II: 386) *a-c'əršə//c'rəš*; Tap *c'sə* 'sole (of shoes)', SAbx *a-c'ə-r-s'-rə*, Tap *c'-s'-ra* 'to resole'; ~ **c'a* 'bottom, under', *-r-* caus.
 - **c'əjə* — SAbx (AB II: 381) *a-c'əj* 'urine'
 - **c'əjs(a)* — Bz *a-c'əjs* 'cat' (SBL), *c'əjs-c'əjs*, Tap (Gum) *c'əjsa-c'əjsa* 'call for cats'
 - **c'k'ára* — Bz (BD 102) *a-c(')k'ár*, Abzh *a-c'k'ár* 'edge of sth', 'to side with sth/smb', AB II: 382 also: 'present', 'relatives', 'as concerns'
 - **c'k'ə* — Bz (BD 102) *a-c(')k'ə*, Abzh *a-c'k'ə* 'dress'
 - **c'k'əč'ə* — SAbx (AB II: 382) *a-c'k'əč'-rā* 'to shrink, become crooked'
 - **c'k'əč'əc'k'ə* — SAbx (AB II: 382) *a-c'k'əč'əc'k'ə-a-š'a-ra* 'to be squeamish' (*š'a* 'consider, regard')
 - **c'k"ánda* — SAbx (AB II: 383) *a-c'k"ánda* 'clean, transparent water'
 - **c'k"əjtə* — SAbx (AB II: 383) *c'k"əjt* 'not kind, malicious (of eyes)'
 - **c'qa* — SAbx (AB II: 386-7) *á-c'xa-ra* 'to put up wood (into the fire)', 'to pull the trigger'
 - **c'c'ə* — Ash (AbR 424) *c'c'-ra* 'to gnaw, eat (nuts, sunflower seeds, etc.)'
 - **c'γa* — SAbx *á-c'γa*, Tap *c'γa* 'small strap, lace'
 - **c'-ħ'a* — SAbx *a-c'j'á*, Tap *c'ħ'a* 'bottom', 'insides'; ~ **c'a* 'bottom'
 - **c'γ°/ħ°əp'a* — SAbx *a-c'γ°əp'a* 'felt carpet', Tap *c'ħ°əp'a* 'thick felt', 'sweat-cloth'
 - **c'la* — SAbx *á-c'la*, Bz *a-c'la-r-k'ə*, Tap *a-c'lá* (GA 63), *c'la-r-k'ə-ga* 'glue', SAbx *á-c'la-ra*, Tap *c'la-r-k'-rā* 'to glue' (-*r-* caus., *k'ə* 'to hold, seize', -*ga* instr. suf.), Tap also 'to plaster (a plaster)'
 - **c'rəžə* — SAbx (AB II: 386) *a-c'rəž* 'hank of thread', 'spindle without thread'

29. *ʒ

- **ʒa* — Bz (BD 48) *á-ʒa* 'thin', Abzh (AB I: 263) *a-ʒá* 'thin'
- **ʒa* — Bz *á-ʒa*, Abzh *á-ʒa*, Tap *ʒa* 'span, distance between the thumb and the little finger'
- **ʒa* — Bz *a-ʒa-rā*, Abzh *a-ʒa-rá*, Tap *ʒa-rá* 'to steal' (SAbx), 'to hide, conceal', Bz *a-č-ʒa-ra* 'to hide oneself' (č(ə) reflexive)
- **ʒáʒa* — Bz *a-ʒáʒa*, Abzh *a-ʒáʒa* 'dew'
- **ʒa-ʒə* — Bz *á-ʒaʒ*, indef.sg. *ʒaʒə-k'*, Abzh *á-ʒaʒ*, Tap *ʒaʒ ə* 'awl'; ~ cf.**ʒa-ħə*, **ʒə-ga*
- **ʒayə* — Bz *a-ʒyə*, Abzh *a-ʒyə*, Bat (Sam) *á-ʒay'á* 'cheek'

- **ʒa-x̥* — Bz *á-ʒax̥-ra*, Abzh *á-ʒax̥-ra*, Tap *ʒax̥-ra* ‘to sew’, Bz (Bl) *á-ʒax̥ə-ga*, Tap *ʒax̥ə-ga* (adj.) ‘sewing’ (-ga instr. suf.); ~ cf. **ʒə-ga*
- **ʒam-ʒámə* — Bz (BD 48) *a-ʒyə ʒam-ʒám*, Abzh *a-ʒam-ʒám* ‘with big cheeks’
- **ʒám-f̥ə* — Bz *a-ʒámj°a*, Abzh *a-ʒámj°a*, Ash, Tap *ʒámf̥ə* ‘cheek’
- **ʒar-ʒara* — Bz (Esh) *jə-ʒámj°a-k°a ʒar-ʒar-wa* ‘with cheeks burning with health’
- **ʒə* — Bz *a-ʒ*, indef.sg. *ʒə-k'*, Abzh *a-ʒ* ‘flea’
- **ʒə* — Bz *á-ʒ(a)-s*, Abzh *a-ʒə-s*, Tap *ʒ-sə* ‘goatling’, pl.: Bz *á-ʒ-ar(-k°a)*, Abzh *a-ʒ-ara(-k°a)*, Tap *ʒ-ará* (Gum), *ʒ-ára* (AbR 212, 213)
- **ʒə* — Bz *a-ʒ-rá*, Abzh *a-ʒ-ra*, Tap *ʒ-ra* ‘to fry, roast, grill, bake’, Bz imper. *jə-ʒə* ‘fry it!’, *a-ʒə* (U 137) ‘roasted, fried’
- **ʒə* — Bz *á-ʒ-ra*, Abzh *á-ʒ-ra*, Tap *ʒ-ra* ‘to disappear, be lost, die, to be endangered’, Bz *ʒə-bna-q'a wə-č-áa-jt'* (BD 49) ‘I wish you disappear in the land of horrors’ (damnation; “lost-forest-to you (hum/masc)-go-optative-din.”)
- **ʒə* — Bz *a-ʒə-va-ś-ra* (BD 49, Axu), *a-ʒ-vá-ś-ra* (Garp) ‘to touch, knock from one side’, Tap *ʒa-s-ra* ‘to slap smb on the face’, ? *ʒ-qə* ‘side’ (anat.), *ʒ-qə-t'-ħa-ra* ‘to open slightly’ (*va* ‘side’, *ś/s* ‘to beat’, *qa* ‘head’, *t'* ‘open’, *ħa* VRE)
- **ʒə* — *‘news’: Bz *á-r-ʒa-ra*, Abzh *á-r-ʒ/za-ra* ‘to divulge’ (-r- caus.), Tap *ʒə-ś'a-ra* ‘to seem, appear’ (*ś'a* ‘to consider, regard’)
- **ʒə-ba* — Bz *á-ʒb-ra* (BD 48, Ldz), *a-ʒba-rá* (Bzp), Abzh *á-ʒba-ra* ‘to judge, decide’, Bz *ʒə-b-nə* ‘having decided’, *á-ʒba/ə-j°ə* ‘judge’; ~ **ʒə* ‘news’, **ba* ‘to see’
- **ʒə-ba-q°ə* — Bz *á-ʒbaχ°*, Abzh *á-ʒbaχ°* ‘news’; ~ **ʒə* ‘news’, **ba* ‘to see’, **q°ə* ‘part, portion’
- **ʒə-ga* — Bz *a-ʒəga-mac'áz* (Bzp), *a-ʒəg-mac'áz* (BD 47, Axu) ‘thimble’ (-ga instr. suf., *a-mac'áz* ‘ring’)
- **ʒə-śə* — Bz *a-ʒəś-aamta* ‘the rainy season’ (*áamta* ‘time’); ~ cf. **ʒə-nə*
- **ʒə-šə* — Bz *a-ʒəś*, Abzh *a-ʒəś* ‘completely grey (of hair)’ (*ś* ‘white’)
- **ʒə-nə* — Bz *á-ʒən(-ra)*, Abzh *á-ʒən*, Sa *á-ʒna-ra* ‘winter’, Ash *ʒnə* ‘winter’ (Kuv), ‘autumn’ (Aps), Tap *ʒnə* ‘autumn’; ~ *-nə* ‘time, season’
- **ʒə-ndə* — Bz *a-ʒənd-rá* ‘contemptible, despicable’; ~ **ʒə* ‘news’
- **ʒə-r-ga* — Abzh (AB I: 276) *a-ʒərga* ‘conspicuous, well-known, prominent, noticeable’, *a-ʒə-r-ga-ra* ‘to make visible, noticeable, well-known, famous’; ~ **ʒə* ‘news’, -r- caus., **ga* ‘to bring, carry’
- **ʒə-r-gaga* — Bz *a-ʒərgág*, Abzh *a-ʒərgaga* ‘shock-head, sloven’
- **ʒə-r-h°ə* — Bz *á-ʒj°ər-ra*, Abzh *a-ʒér(ə)j°-ra*, Tap *ʒərh°-ra* ‘to listen’, imper. Bz (BD 102) *ś°-ʒəj°-rə*, Abzh *ś°-ʒə-r-j°ə* ‘you (pl.) listen’; ~ **ʒə* ‘news’, -r- caus.

30. *ʒ°

- *ʒa — Bz *a-ʒ(a)-rá*, Abzh *a-ʒa-rá*, Ash *ʒa-rá*, Tap *ʒa-rá* 'to vomit', SAbx *a-γə-r-ʒə* 'sperm' (*a-γə* 'penis', *-r-* connective), Tap *ʒʒə* 'saliva' < *č'a-ʒə 'mouth-vomit' (?)
- *ʒa-šə — Tap *ʒaš-ra* 'to be overtired'
- *ʒ(ə)ʒá — SAbx *á-ʒʒa-ra*, Bat (Kil 28) *á-ʒəʒa-ra*, Tap *ʒʒa-rá* 'to wash'

31. *č

- *ča — Bz *á-ča*, Abzh *á-ca* 'cherry'
- *ča — Bz *á-ča/ə-r* (BD 43), Abzh (BD 276) *á-ca(-r)*, Tap *cara* 'abomasum, rennet bag' (anat.)
- *ča — Bz *a-ča-rá*, Abzh *a-ca-rá*, Ash, Tap *ca-ra* 'to go'
- *ča — Bz *prev-ča-ra*, Abzh *prev.-ca-ra* 'to drive'
- *ča-q'a — Bz *á-čaq'*, Abzh *á-caq'a* 'rock'; ~ *q'a 'flat'
- *čásə — Bz *čas*, Abzh *cas* 'on purpose'; prob. from *á-č-aš-ra* 'to play sth together';
- *čaxə — Bz *čax*, Abzh *cax* 'the year after the coming year'
- *ča/əwə — Bz *á-čaw-ta//á-čəw(-ta)* 'community, part of village' (-ta locative)
- *čə — Bz *á-č(-z-aa)-ra*, Abzh *á-c(-z-aa)-ra* 'to be together with', Abzh *á-c-ra*, Tap *cə-l-ra* 'to accompany smb/sth'
- *čə-px'a-žá — Bz (BD 44) *-čəpx'azá*, Abzh *-cpx'aza* 'each'; ~ *čə 'together', *px'a-žá 'to count'
- *čəg°ž — Bz *a-čg°ž*, Abzh *a-cg°ž*, Tap *cg°ə* 'cat'
- *čə-žə — Bz (BD 45) *á-č-ž-ra* 'to subtract', *a-čəx-t"ž* (BD 44), Abzh *a-cəx-t"ž* 'escheat' (*t"ž* 'property'), Abzh *a-c-rə-ž-ra* 'to subtract, take off'; ~ *čə 'together', *žə 'to take off'
- *čə-q-čá — Bz (BD 44) *a-čəxčž* 'skin of animal's penis'; ~ *q < *qa 'head, above', *č'a 'skin'
- *čənq°ž — Bz *a-čəm/nx"-rá*, Abzh *a-cəm/nx"-rá*, Bat (Angis) *á-mcəx"-ra* (Kil 23) 'instead, in place of'
- *čə-r-pħ'a — Bz (Zw, Axu) *a-čər-pħ'á*, Bat (Fer) *a-cərh"* (Kil 79) 'sort of prune with small dark-brown and round fruit'
- *čt'a — Bz *a-čt'á*, Abzh (AB II: 317) *a-ct'á* 'cavilcaptious objection, quarrel, scandal, argument; news of sth'
- *č(č)ž-naħa — Bz (BD 217) *a-čħnaħa*, Abzh *a-cħnaħa-j"ə* (BD 217), Bat (Angis) *a-ccħnaħa* (Kil 77) 'maid-servant, who prepared food for her master' (BD 217), M (Arch, p.175) 'woman threshing the millet', Kilba 77 'maid-servant'
- *č-qħraħ-fa — Bz *a-č-ħħraħ-fa//á-č-ħħraħ-fa*, Abzh *á-c-ħħraħ-fa//á-c-ħħraħ-fa*, Tap

- *c̥-la — c-qrəħa-ra '(to) help'; ~ *c̥ə 'together', rə- causative, *ħa 'to borrow'
- *c̥-la-bá — Bz a-čla-ra, Abzh á-cla-ra, Tap 'to join, add up to sth/smb', 'to put on waight'; ~ *c̥ə 'together', la 'to go'
- *c̥-la-bá — Bz a-člab-ra, Abzh á-clab-ra 'to compete with smb'; ~ *c̥ə 'together', la 'to fo', *ba 'to see'

32. *c̥

- *c̥a — SAbx á-č̥a, Tap č̥a 'dream', SAbx á-č̥a-ra, Tap č̥a-ra 'to sleep', 'to go/die out (of light, fire)'
- *c̥a — SAbx a-č̥á, Tap č̥a 'skin, hide, fell, rind, peel, bark, shell', Tap also 'colour', 'appearance'
- *c̥a — SAbx a-č̥á, Tap č̥a-ba 'wax'
- *c̥a — SAbx a-č̥(č̥a)a-rá, Tap č̥a-ra 'to suck'; geminate č̥č̥ is emphatic
- *c̥a-qʷá — Bz á-č̥aqʷ (A 58), a-č̥aqʷá (U 174), Abzh á-č̥aqʷa 'rainbow'; ~ *c̥a 'skin', *qʷa 'crooked, bent'
- *c̥-č̥ə — Bz a-č̥č̥, Abzh á-č̥č̥ (BD 141) 'shaving, chip'; ~ *c̥ə- version prefix, *č̥ə 'to plane'
- *c̥-áč̥a — Bz a-č̥áč̥a-ra, Abzh a-č̥áč̥a-ra, Tap č̥áč̥a-ra 'to speak, talk'; ~ *c̥ə- version prefix ('against/to, for'), *áč̥a 'word'
- *c̥a-š̥ž — SAbx a-č̥aš̥ž 'wax candle', Tap č̥aš̥ž 'waxed'; ~ *c̥a 'wax'
- *c̥a-š̥ž — SAbx (AB II: 332) a-č̥aš̥ž//á-č̥aš̥; Tap č̥aš̥ž 'dirt(y)', Abx a-č̥aš̥-rá 'to become dirty'; ~ *c̥a 'skin', *š̥ž 'to smear'
- *c̥ayʷá — SAbx á-č̥ayʷa-ra, Tap č̥ayʷa-ra 'to plough, till'
- *c̥a-č̥á — Bz (BD 203, U 174) á-č̥ač̥, ?Abzh (AB II: 332) á-č̥ač̥a 'wooden plough' (arch.); in Bartolomey's ABC-book á-č̥ač̥a (p. 129)
- *c̥ah̥ž — Bz (BD 203) á-č̥ah̥ 'wooden plough'
- *c̥áh̥a — SAbx (AB II: 333) a-č̥áh̥a 'character'
- *c̥áħa — SAbx (AB II: 332) a-č̥áħa 'scarecrow'
- *c̥ah̥á — SAbx (AB II: 332) a-č̥ah̥á, Tap č̥ah̥á 'line, row, stripe', in SAbx also 'furrow'
- *c̥amá — SAbx á-č̥(a)ma 'worm, helminth'
- *c̥á-mza — SAbx a-č̥á-mza, Ash č̥á-mza, Tap č̥á-mza 'candle'; ~ *c̥a 'wax', cf. also Ash (Aps) mza 'lamp'
- *c̥a-msá — SAbx a-č̥a/əmsá, Tap č̥a/əmsa 'tinder' (bot.); ~ *c̥a 'skin'
- *c̥a-msásə — Bz a-č̥amsás (Zw), a-č̥əmsás (Esh) 'with (very) dark/black skin'; ~ *c̥a 'skin'
- *c̥a-m-ħá — Bz (BD 223) a-č̥am/nħá 'half-awake'; ~ *c̥a 'to sleep', m negation
- *c̥a-ldžžə — Bz a-č̥aldžž, Abzh a-č̥a/əldžž 'awkwardly tall'; ~ *c̥a 'skin'
- *c̥a-r-pšə-žá — SAbx a-č̥a/ərpšžá/ž, Ash č̥arpšžá, Tap (č̥a-r-)pšža 'smallpox'; ~ *c̥a 'skin', r- caus., *pšə-žá 'beautiful'

- **c'a-r-na* — Tap *c'arna* 'leather wax-end'; ~ **c'a* 'skin'
- **c'a-wəšə* — SAbx *a-čawəš'* 'sleepy'; ~ **c'a* 'to sleep'
- **c'-ajxá* — SAbx *a-čajxá* '(iron) ploughshare' (*ajxá* 'iron')
- **c'ə* — SAbx *a-č'*, Ash *c'ə*, Tap *c'ə* 'bull'
- **c'ə* — SAbx *a-č'-rá*, Tap *c'ə-ra* 'to plane, shave, hew, trim'
- **c'ə* — SAbx (AB II: 346) *a-č'-rá//a-č'-la-ra* 'to be outside, outdoors', 'to be under (the rain)'
- **c'ə-bza* — SAbx *a-č'əbzá*, Tap *c'əbzə* 'lover', SAbx also 'whore, prostitute'; ~ **c'ə-* version prefix, **bza* 'to lick'
- **c'ə-g'á* — SAbx *á-č'g'á*, in compounds often *c'əg'-* (e.g. *a-č'əg-č'əcə-j'* 'malefactor'), Ash *c'k'á*, Tap *c'g'á* 'wicked, malicious, bad, nasty', 'difficult', adv. 'very, badly'; ~ **c'ə* 'bad'
- **c'ə-g'ə-ba-rə* — Bz (BD 319) *a-č'əg'bar* 'outer side of the roof'
- **c'ə-k'á* — SAbx *c'ək'á*, Tap *c'ək'á* 'early'
- **c'ə-c'á* — SAbx (AB II: 352) *a-č'əc'á-ra* 'remote place, unaccessible mountainous forest'; also a prev. 'under sth'; ~ **c'ə-* version prefix, **c'á* 'to put'
- **c'əslamp'ərə* — Bz *a-č'əslamp'ər* (Dzh), *a-č'əmsa/ərp'əl* (Xu, Esh, Dzh), *a-č'ləmsap'ər* (Zw), *a-č'əmərsap'əl* (Kld), *a-čəmsərp'əl* (Lyx), *a-č'əslamp'ər*, *a-č'əlasamp'ər* (Dirr 18), *a-č'əlamsərp'əl* (BD 103), *a-čləmsərp'ər* (BD 103), *a-člamsərp'ər* (BD 103), *a-č'əlsəmp'ər* (BD 103), Abzh *a-č'əslamp'ər*, *a-č'əslamp'ər* (BD 103), *a-č'əšlamp'ər* (Ku) 'mole'
- **c'əsə* — SAbx (AB II: 350) *a-č'əs-ra* 'to play pranks, frolic'
- **c'ə-há* — SAbx *á-č'aa'k'/a-č'aa'k'*, Ash (AbR 433) *c'ha* 'damp, wet', SAbx *á-č'aa-k'-ra* 'become damp, wet', *a-č'aa'k'-ra* 'dampness, wetness' (-aa < *-ha VRE, k'ə 'to hold, seize')
- **c'ə-h'ə* — SAbx *a-č'h'-rá* 'to grow bare, bald, naked, bankrupt', *a-č'h'ə*, Tap *c'h'h'ə* 'naked, bare', SAbx *a-č'h'ə-ra* 'desert', *a-č'ə-r-h'-rá* 'to strip the skin off', 'to pluck (a bird)', 'to make naked, bare', 'to take everything off, make bankrupt'; ~ **c'a* 'skin'
- **c'əh'ə-č'ə* — Tap *c'(ə)h'č'ə* 'splinter of the yoke'; ~ **c'ə* 'sharpened stick'
- **c'əməya* — SAbx *a-č'əmy(a)-ra*, Ash *c'əməy-ra*, Tap *c'əməy-ra* 'hatred, detestation, abhorrence', Bz (Lyx) *a-č'əmyə*, Tap *c'əməy* 'hated, odious, unpleasant'
- **c'əmp'ərh'əsta* — SAbx (AB II: 347) *a-č'əmp'ərh'əsta* 'worms living in animals'
- **c'ə-m-žə-m-k'ə* — Bz (BD 232) *a-č'əmžám-k'-ra*, Abzh (AB II: 347) *a-č'əmžámk'-ra* '(to suffer from) insomnia'; ~ **c'a* 'to sleep', *m* negation, **k'ə* 'to hold, seize'
- **c'ə-mžə-k'ə* — SAbx (AB II: 347) *a-č'əmž-k'-rá* 'rage which have animals after being bitten by flies'; ~ **c'a* 'bull', **k'ə* 'to hold, seize'
- **c'əmž'ət'ə* — SAbx (AB II: 347) *a-č'əmž'ət'* 'idiot, nasty person'

- **č̥əmħá* — SAbx *á-č̥əmħa* ‘baby’s dummy’
- **č̥əmlá* — Tap *č̥əmlá* ‘stairs’
- **č̥ə-lašš̥ə* — Bz (Lyx) *a-č̥əlašš̥ə*, Abzh *a-č̥əlašš̥ə* ‘languid, innert, sleepy’; ~ **č̥a* ‘to sleep’
- **č̥ə-(la-)nt'ə-š̥ə* — Bz (Lyx) *a-č̥ə(la)nt'əš̥ə* ‘phlegmatic (man)’; ~ **č̥a* ‘to sleep’
- **č̥ə/a-lđə-š̥ə* — SAbx *a-č̥ə/aldəš̥ə* ‘zheltopuz’ (zool.); ~ **č̥a* ‘skin’, **š̥ə* ‘white’
- **č̥əndə-r-š̥š̥ə* — Bz (Esh) *č̥əndərš̥š̥ə* ‘swarthy, blackish’; ~ **š̥ə* ‘to paint’
- **č̥ənt'ž̥ə* — Bz (Esh) *a-č̥ənt'ž̥ə* ‘having sth inappropriate to one’s age’
- **č̥ərc'má* — SAbx (AB II: 349), Gup (M 158) *a-č̥ərc'má* ‘sweet dish made of maize flour’
- **č̥-g°ə-r-pá* — Bz *a-č̥g°ərpá*, Abzh *a-č̥k°ərpá* (BD 222) ‘wave’; ~ **g°ə* ‘surface’, *r-* caus., **pa* ‘to jump’
- **č̥k'ənt'ž̥-š̥ə* — Bz (Esh) *a-č̥k'ənt'ž̥-š̥ə* ‘to waste time, wander’; ~ **š̥ə* ‘to beat’
- **č̥-k"əm-ž̥ə-rə* — Bz (BD 219, AB II: 339) *a-č̥k"əmž̥ərə*, Abzh (BD 219) *a-č̥k"əmž̥ər* ‘eye pus’; in BD 219 also *a-č̥k"əmž̥ər//a-č̥k"amž̥əž̥ər*; ~ **č̥a* ‘skin’, **ž̥ə* ‘meat’
- **č̥-k"ənš̥á* — Bz (BD 108) *a-č̥k"ənš̥/č̥a-rá* ‘to husk nuts’; **č̥a* ‘skin, husk’; ~ cf. **č̥-q"ənš̥á*
- **č̥-q'á* — SAbx (AB II: 339) *a-č̥q'á* ‘trap’, Tap *č̥q'á* ‘stripped/scratched off’, Bz *a-č̥q'á-r*, Abzh *a-č̥q'á-ra* ‘target, shooting-mark’, SAbx *a-č̥q'á-rá*, Tap *č̥q'á-ra* ‘to scratch off, rub away’, ‘to make notches’; ~ **č̥a* ‘skin’
- **č̥-q"ənš̥á* — Abzh (AB II: 340) *a-č̥q"ənš̥á-rá* ‘to husk nuts’; **č̥a* ‘skin, husk’; cf. **č̥-k"ən-š̥á*
- **č̥č̥ə* — SAbx (AB II: 343) *a-č̥č̥-rā* ‘to become fat’, ‘to grow thick, bush out’
- **č̥-š̥á-q°á* — Abzh (AB II: 343) *á-č̥š̥á-q°á* ‘ploughshare’; ~ **š̥á-q°á* ‘foot’
- **č̥-x̥əndá* — Bz (Zw) *č̥x̥əndá-baa* ‘(very) skinny, emaciated’
- **č̥-ħ°əč'a* — SAbx *á-č̥j°əč'a*, Ash *č̥ħ°əč'a* ‘cloths’; ~ **č̥a* ‘skin’, **ħ°əč'a* ‘to decorate’
- **č̥-ħá-rə* — SAbx *a-č̥ħár* ‘bast’ (AB 342), ‘rope made of bast’ (Dzhg, Ku); ~ **č̥a* ‘skin’, **ħa* ‘to wattle’
- **č̥-ħa* — SAbx *á-č̥ħa-ra*, Ash *č̥ħa-rá*, Tap *č̥ħa-ra* ‘to quarrel with, to swear’, in Tap ‘to use foul/bad language’; ~ **č̥a* version prefix, **ħa* ‘gnaw’
- **č̥-ma-t°á* — SAbx *a-č̥-mat°á//á-č̥-mat°á* ‘plough’; ~ **č̥a* ‘bull’, **ma-t°á* ‘cloths’
- **č̥-ma-ħá* — SAbx *á-č̥-maa* ‘handle of plough’; ~ **č̥a* ‘bull’, **ma-ħá* ‘handle’
- **č̥lħa* — SAbx (AB II: 340) *á-č̥lħa* ‘kind of evergreen plant’, Rus ‘и́глица колхи́дская, *Ruscus colchica*’, or ‘mistletoe’

33. *č'

- *č'a — Bz *a-č'á*, Abzh *a-c'á*, Tap *c'a* 'louse'
- *č'a — Bz *a-č'á*, Abzh *a-c'á*, Tap 'truth', Bz *a-č'á-ra*, Abzh *a-c'a-rá* 'education, study', Bz *a-č'a-rá*, Abzh *a-c'a-rá* 'to teach'
- *č'a-bərgə — Bz *a-č'ábərg*, Abzh *a-c'ábərg*, Tap *c'abərgə* 'truth', as for final vowel cf. also Abzh *c'abərgə-č"q'a* 'real truth'; ~ *č'a 'truth', *bərgə 'old'
- *č'ac'óndə-ra — Bz *a-č'a/əč'óndər*, Abzh *a-c'ac'óndra* 'strawberry'
- *č'-ayá — Bz *a-č'(a)γá*, Abzh *a-c'ayá*, Tap *c'aya* 'thin, sparce'; ~ *áya 'sparse'
- *č'a-há — Bz *a-č'aa-rá*, Abzh *a-c'aa-rá*, Tap *c'há-rá* 'to ask'; ~ *č'a 'truth', *-há VRE
- *č'-há — Bz *á-č'aa*, Abzh *a-c'áa*, Tap *c'há* 'salty', Bz *a-č'áa* 'piquency (of food)', *a-č'aa-rá*, Tap *c'há-ra* 'to salt'; ~ *-há VRE
- *č'anə — Bz *á-č'an*, Abzh *á-c'an* 'mythical dwarfish people who are believed to inhabit Abkhazia in ancient times'
- *č'a-rá — Bz *á-č'ar*, Abzh *á-c'ar//a-c'arə*, Tap *c'ará* 'sharp (also of wit, senses), 'quick, smart'
- *č'a-wə — Bz (BD 51) *a-č'aw-rə*, Abzh (A 61) *a-c'aw-rá* 'productive, efficient', AB II: 385 'good, favourable, beneficent, benevolent'; ~ *č'a 'true', *wə 'to do'
- *č'ə — Bz *a-č'-rá*, Abzh *a-c'-rá*, Tap *c'-ra* 'to pass (of time)'
- *č'ə — Bz *a-č'ə-s*, Abzh *a-c'ə-s*, Ash, Tap *c'ə-j-s* 'bird', Tap 'sparrow' (*s/s* 'small'), pl. Bz *a-č'-ár(a)(-k'a)*, Tap *c'-ára*
- *č'əbəra — Bz *a-č'əbər*, Abzh *a-c'əbra* 'savory, *Satureja hortensis*' (bot.)
- *č'ət'a — Bz (BD 51) *a-č'ət'*, Abzh (A 57) *a-c'ət'a* 'kind of grass', Rus 'овсяница джамильская, *Festuca djimilensis*', AB II: 395 'moss'
- *č'ə-žə — Bz *a-č'əž*, Abzh *a-c'əž*, Tap *c'əž* 'nit'; ~ *č'a 'louse'
- *č'ə-s-ħə — Bz (BB) *a-č'ə-s-ħə*, Abzh *a-c'ə-s-ħə*, Tap (IX) *c'ə-j-s-ħ* 'furuncle'; ~ *č'ə-sə 'bird', *ħə 'bullet' (?)

34. *č"

- *č"a — Tap (GA 48) *č"a* 'liver'
- *č"a — SAbx *a-č"á*, Ash *č"a*, Tap *č"a* 'apple'
- *č"a — SAbx *a-č"a-rá* 'decomposition accomponied by discharge of liquid'
- *č"-ápšə — SAbx *a-č"apš'* 'pomade, lip-stick'; ~ *apšə 'red'
- *č"áqa-č"áqa — Bz *č"áx-č"áx*, Abzh *č"áxa-č"áxa* descr. of loud kiss; ~ onomat.
- *č"a-q'á — Bz *a-č"aq'a* (Bl, Dzh), *a-č"q'a* (Bzp) 'small (flat) plank, board', '(wooden) trap', Abzh *a-č"aq'a* 'chip', Ash (AbR 437) *č"aq'a* 'wedge'; ~ *q'a 'flat'

- *č^oa-q'á — Bz č^oq'a//č^oq'a//č^oq'a, TuBz č^oaq'á (ADA, DA V: 10, 41), Abzh č^oq'a (BD 108) emphatic particle 'precisely, really'; ~ *č^oa emphatic particle
- *č^oa-č^oa — Ash č^oač^oa 'liver'; ~ redupl.; cf. *č^oa 'liver'
- *č^oáč^oa — SAbx a-č^oáč^oa-ra 'to pound'
- *č^oay^oá — SAbx a-č^oay^oá, Tap č^oay^oá-ra 'line', SAbx a-č^oay^oa-rá, Esh a-č^oay^oá-rá, Tap č^oay^oa-rá 'to draw lines', SAbx also 'to speckle, mot, draw all over', 'to cross out'
- *č^oax^o — SAbx a-č^oax^o-rá 'to hide', 'keep', a-č^oax^o 'sth hidden, kept in store, sparing'
- *č^oá-h^o — SAbx a-č^oáh^o, Bz also a-č^oáh^o (A 64) '(wooden) hook', č^oah^oa-r-k^o 'id.' (r- caus., k^o 'take, keep, catch'), Tap č^oah^o 'hook, gaff'; ~ *č^oa 'sharpened stick', *h^oa 'turn(ed)'
- *č^o — SAbx a-č^o-rá, Tap č^o-ra 'to turn/make sour', SAbx a-č^oá- — 'manure, dung (as fertilizer)', Tap č^o-ž^o 'drink made of risen buttermilk with milk' (ž^o 'water'), č^o-q'a 'sour'
- *č^o — Bz a-č^o, Abzh a-č^oá, Tap č^oá 'stick with sharpened end', 'spit (for roasting)', 'splinter', Tap also 'bolt, bar', 'plug, spigot'
- *č^o — Bz (BD 205) a-č^oá 'measure of size equal to scope of stretched arms'
- *č^oabz^o — SAbx (AB II: 404) a-č^oabz^o 'brucellosis' (med.)
- *č^oaps^o — SAbx a-č^oaps^o 'raw' (Bz-BD 226), 'sour, musty, mouldy' (Abzh-AB II, 405), Abzh a-č^oaps(-xa)-rá (AB II: 405) 'to become sour, rotten, mouldy'
- *č^oə-g^oá — SAbx a-č^og^oá 'fishing-rod'; ~ *č^oá 'charpened stick', *g^oára 'needle'
- *č^oáž^o — SAbx (AB II: 406) a-č^oáž^o 'rag saturated with sulphur'
- *č^oáč^oa — Bz á-č^oáca, indef.sg. č^oáč^oa-k^o, Abzh á-č^oca 'glass', 'glass, crystal' (adj.), Tap č^oáca 'glass', 'porcelain'
- *č^oə-č^oá — SAbx a-č^o(ə)č^oá 'sour', 'sad, cheerless', 'expressing dissatisfaction, unpleasant', 'rough, sharp (of wind)', a-č^o(ə)č^oá-ra 'acid, sour', 'sour sause', a-č^oəč^o-rá 'to become sour', a-ž^o-č^oac^oá 'mineral water'; ~ redupl. of *č^oá 'to turn/make sour'
- *č^oəž^o — Bz (BD 41) a-č^oəž^o 'unpleasantly long'
- *č^oáš^o — Bz (BD 264) a-č^oáš^o 'mark, sign', Abzh (AB II: 406) a-č^oəš(a) 'pole on the top of the mountain', 'trace, spot'
- *č^oá-y^oá — SAbx a-č^oáy^oa-ra 'sprouting of grain and tuberous plants', 'fertile land full of wetness and ready for sowing'; ~ *ay^oá 'seed'
- *č^oə-h^oána — SAbx a-č^oj^oán, Tap č^oə-h^oan 'stake, picket'; ~ *č^oá 'sharpened stick'
- *č^oəh^oá — Bz (Esh) á-č^oəj^o-ra 'to spin, rotate'
- *č^oá-maya — Bz (BD 131) a-č^oámaya//a-č^oámy, Abzh a-č^oám(a)y, Tap č^oámay 'nail'

- *č”ə-m-q’á — Bz *a-č”əmq’á*, Abzh *a-č”əmq’á* (A 61) ‘chisel’; ~ *č”ə ‘sharpened stick’, *q’á ‘to cut’
- *č”ənč”ž — SAbx (AB II: 405) *a-č”ənč”-láy’*, Tap *č”ənč”ə-ha* ‘birds’ stomach’ (SAbx), ‘birds’ liver’ (Tap); ~ cf. *č”ənč”əlay’ə
- *č”ərə — SAbx *a-č”rə* ‘barren, dry (of female animal)’
- *č”ərə — SAbx *a-č”(ə)rə* ‘slippery’, -č”ər-č”ər-wa ‘id.’, á-č”ər-č”ər-h”a ‘like a fountain (of water spert)’
- *č”ərə — SAbx *-č”ər-máps(-ža)* ‘unpleasantly long’, Tap *č”rə* ‘pole, perch’, ‘(ob)long’
- *č”ər-sa — SAbx *a-č”ərsa* ‘ferment, leaven, yeast’, M (Arch, p. 196) ‘fermented dough’ (Lyx); ~ *č”ə ‘sour’, *r-sa ‘to digest’
- *č”əwə — SAbx *a-č”əw(a)-ra*, Ash *a-č”əwa-ra*, Tap *č”əw(a)-ra* ‘to cry, weep’
- *č”əjž — SAbx *á-č”əj-ra* ‘to spin, whirl’, ‘to bend, be lithe, lissom’, ‘to recover from illness’, ‘to turn aside’, imper. *jə-r-č”əjž* ‘turn it!’, cf. also č”ə in Bz *żjanč”ž//>č”janč”ž(-q’á)*, Abzh *č”janč”ž* (BD 224) ‘vertically upwards’ <*żj*an ‘sky’; ~ *č”ə ‘*to turn, whirl’ (-q’á directional postposition)
- *č”-q’á — Bz (Esh) *a-č”q’á-ra* ‘mark, target’
- *č”ca — SAbx (AB II: 403) *a-č”cá* ‘clear, transparent (of sky)’, á-č”ca-ra ‘to become clear, cloudless (of sky)’; ~ if Bz has -č-, the word must be connected with *č”əca
- *č”č”a — SAbx *a-č”č”á* ‘little bell’
- *č”č”a — SAbx *a-č”č”á-h”a* ‘abundantly (of liquid coming out)’, ‘to rain unseizingly and heavy’, description of squeezed out water
- *č”a-ħ(ħ)á — SAbx *á-č”aa-ra*, Tap *č”ahħ-ra* ‘to cry, shout, squeal’

35. *ž

- *žádə — Bz *lámħa žándər* (Bl, Dzh), Esh, Abzh *a-žád-ra* ‘with big ears’, ‘lop-eared’ (*a-lámħa* ‘ear’, -n- epenthetic ?)
- *žáža — SAbx (AB II, 533) *a-žáža* ‘spreading, branchy, broad, (-shouldered)’, ‘rough, rigid’
- *žarə-žárə — SAbx *a-žaržár* ‘spreading, branchy, big, powerful’, ‘lop-eared’
- *žə — SAbx *a-ž* ‘dirt on body’, žə-s ‘as dirt on body’
- *žəp-žəpž — Bz (Bl) *á-žəp-žəp-ra* ‘to ruffle up (of turkey, rooster)’
- *žəpžə — SAbx *a-žəpž* ‘rough, stiff, rigid (of vegetation)’
- *žəžə — SAbx *-žəž-ža* ‘steady, unmovingly’
- *žəšə — SAbx *a-žəš* ‘dropsy’ (med.)
- *žəxə — SAbx *a-žəx̥-ra* ‘cheerfulness, courage’, Bz *a-žəx̥* (Dirr 12) ‘storm, cold weather with rain and snow’
- *žərə — SAbx *a-žər*, Tap *žər* ‘steel’; ~ < CKab *žərə ‘id.’

36. *ž-

- *ž'a — SAbx *a-ž'a* 'labour, work, occupation, effort to achieve sth', Tap *ž'a* 'tiredness', SAbx *a-ž'a a-ba-rá*, Tap *ž'a ba-rá* 'to work, labour after which you get tired'; ~ *ž'a 'work, labour', *ba 'to see'
- *ž'a — SAbx *ž'a(-rā)*, Sa *ž'a-r*, Tap *(z-)ž'a-rá* 'somewhere' (*z-* 'one')
- *ž'a-bá — SAbx *á-ž'aba-ra*, Tap *ž'aba-ra* 'to mourn, grieve', SAbx, Ash *a-ž'aba-rá* 'mourn, grief'; ~ sem. deriv. of *ž'a-ba 'to work' ?
- *ž'a-bá-ha — SAbx *a-ž'a-baá* (AB II: 534), *a-ž'a-báa* (U 132, Dirr 12, Bzp), Tap *ž'a-báha* 'burden, labour, effort', 'misluck', 'difficult, uneasy'; ~ *ž'a 'labour, work'
- *ž'aq"a — Abzh *a-ž'aq"á* 'kind of plant', Rus 'морозник кавказский (абхазский)' (AB II: 535), 'зимовник многоцветный, *Helleboris caucasicus*' (BD 217), cf. Tx *a-ž'aq"á š'ap'ž* 'a kind of plant'
- *ž'až'a — SAbx *a-ž'až'a*, Tap *ž'až'a* 'rough, rigid, coarse' (SAbx), 'curly (hair), bushy (plant)'
- *ž'a-š'a — SAbx *a-ž'a-š'a-rá*, Tap *ž'a-š'a-rá* 'to be surprised, to admire' (*š'a* 'consider, regard')
- *ž'a-məy'a — SAbx *a-ž'a-məy'á* 'bad suffering(s)'; ~ < CCirc *məya 'poor, unhappy'
- *ž'anáx — Abzh *a-ž'anáx*, Ash, Tap *ž'anáx* 'sledge'; ~ < Oss *zonay/conæy* 'sledge', 'jaw'
- *ž(w)ar — SAbx *a-ž'ár*, Tap *ž'war* 'cross'; ~ < Geo *žwar-i* 'id.'
- *ž'a(-wa)-k'ž — SAbx *ž'aw-k'ž*, Tap (IX) *ž'a-k'ž* 'some, several (people)'; ~ *ž'a indefinite pronoun, *wa 'like', *-k'ž indef.sg. suffix
- *ž'a — SAbx *a-ž'*, indef.sg. *ž'a-k'*, Ash *ž'a-t'á*, Tap *ž'(a)-č"ž* 'oak' (-t'a//-č"a attrib. suf.)
- *ž'a — SAbx *a-ž'-rá*, Tap *ž'-ra* 'to roast, grill', SAbx *a-ž'ž* 'roasted, grilled'
- *ž'a-g°á — SAbx *a-ž'g°a-rá* 'to stop up, plug, caulk'; ~ *g°a 'to plug'
- *ž'a-k'a — SAbx *a-ž'žk'a*, Tap *ž'(a)k'a* 'salt'
- *ž'a-q"ə — SAbx *a-ž'žq"* 'humpbacked', *a-ž'žq"-ra* 'hump'; ~ *q"ə 'bent'
- *ž(')ž-sə — SAbx *a-žžš*, Tap *žžš* (AbR 207, Kara-Pagua, Gum), *žžš* (AbR 211, Gum, Ps) 'garlic'; ~ *ž'a, *šə 'white'; cf. *ž'a-(m)pš'ə
- *ž'a-š'a — SAbx *a-ž'(a)-š'a-rá*, Tap *žž-š'a-ra* 'to think, believe, suppose, take for'; ~ cf. *ž'a-š'a
- *ž'a-š'a — SAbx *a-ž'-š'a-rá* 'to thank', *a-ž'ž-m-š'a-ra* 'to reproach, disapprove' (-m- negation)
- *ž'a-m-pš'ž — SAbx *a-ž'žmšž*, Ash *ž'žmšž*, Tap *ž'žmšž* (AbR 211, Ps, Gum), *ž'žmpšž* (Gum, Kara-Pagua) 'onion'; ~ *apš'ə 'red'
- *ž'a-mšá — SAbx *á-ž'žmš'*, Ash (AD 218) *ž'a-msə*, Tap *ž'a-msa* 'brow', Tap also 'window platband'
- *ž'-ba — SAbx *a-ž'bará* (AB II, 539), *á-ž'bara* (U 133) 'strong (of drinks,

- **ʒʒ'a* tobacco, etc.), 'rough, brave (of words, character)'
 — SAbx (AB II: 542) *a-ʒʒa(-h'a)* 'gladly, exultantly'
**ʒ'ma* — SAbx *a-ʒ'ma*, Ash, Tap *ʒ'ma* 'goat'

37. **ʒ*

- *ʒ'a* — SAbx *á-va(-ra)*, Sa *á-va-ra*, Ash *va-rá* (Aps, XD), *á-va* (Abaz), Tap *ʒa* 'rib, side'
**ʒ'a-k'ʒ-sə* — Bz *a-va-k'ʒ-c* 'rib (anat.)'; ~ **ʒ'a* 'side'
**ʒ'a-(r-)č'ž-sə* — Bz *á-va-č'žs//a-va-r-č'žs* (Axu), Abzh *a-va-c'žs*, Sa (Tashb) *a-va-c'žc*, Ash *va-r-c'žc* (Aps), *və-r-c'žs* (SKuv), *va-r-c'žs* (Kuv, Kondzh 27), *va-r-c'žc* (Abaz), Tap *ʒa-c'žs* 'rib' (anat.); ~ **ʒ'a* 'rib, side', **č'ž-sə* 'small'

38. **č*

- *ča* — SAbx *a-čá* 'female deer', *a-čá-c°* 'male deer' (*a-č°* 'bull')
**ča* — SAbx *a-ča-rá* 'to weed', Tap (GA 77) *ča-ra* 'to hoe'
**č-ába* — SAbx *a-čába* 'stallion', Tap *čaba* 'gelding'; ~ **čə* 'horse', **aba* 'male'
**čadá* — Bz *a-čadá/ž*, Abzh, Ash *a-čadá*, Bat (Sam) *a-čadə*, Tap *čadá* 'donkey'
**čá-ga* — Bz *a-čág(a)*, Abzh *a-čága*, Tap *čága* 'hoe'; ~ **ča* 'to weed', *-*ga* instr. suf.
**ča-ħa-nə* — SAbx *čaanə* 'next year'; ~ **acə* 'other', **ħa* 'time', 'year', *-*nə* adverbial suf.
**čah°ž* — Bz *a-ča/əj°-rā/ž*, Abzh *a-čaj°-rā*, Ash *čəħ°-rā*, Tap *čəħ°-ra* 'harvest (of cereals)', Ash 'collected harvest', Bz (U 177) and Tap also 'cereals, bread'
**č-ána* — SAbx, Ash *a-čán*, Tap *čan* 'mare'; ~ **čə* 'horse', **anə* 'mother'
**čájə* — SAbx *a-čáj* 'good, fit', *a-čáj-ra* 'to be good, fit (for)'
**čə* — SAbx *a-čə*, Ash, Tap *čə* 'horse'
**čáta* — SAbx *a-čət*, Tap *čət* 'piece, bit, lump'
**čapənə-ħ'a* — SAbx *a-č(a)pnə-ħ'a*, Tap *čpən-ħ'a* 'reproach', SAbx *a-čpnə-ħ'a-ra* 'to reproach'; ~ **ħ'a* 'to say, tell'
**čág°ə* — SAbx (AB II: 451) *a-čəg°* 'little hill'
**čəħ-c'á* — TuAbx (DA V, 63,65) *á-čəħc'a* 'floor, surface of the room', Ash (AbR 366) *čħc'a* 'floor'; ~ **c'a* 'bottom, under'
**čəħ°/ħ'a* — SAbx *a-čħ'a*, Tap *čħ'a* 'fire-place, hearth', also as prev. 'by/at the hearth', SAbx *a-čəħ°-cá-ra*, Tap *čəħ°-ca-ra* 'to drive smb/sth from'

- the hearth' (*ca* 'to drive'), Tap (GA 54) *a-čəħ°-ta* 'place by the hearth'
- *čə-nə — SAbx *čna-k* 'one day', Tap *čnə* 'day', *awəj a-čən* 'that day', SAbx, Tap *čən-la* 'at the daytime'
 - *čə-wbála — Bz *a-čə-k”bál* (Esh), *a-čə-k”p’ál* (Dur-BD 107), Abzh (AB II: 453) *a-čə-k”bal*, Ash *čə-g°/k”bál* 'horse without saddle', Tap *čə-wbála* 'to sit on a horse without saddle'; ~ *čə 'horse', *wbála < Geo *u-bel-o* 'without saddle'; *k”/g°* in SAbx and Ash is prosthetic before *w*; in Tap final *-la* contaminated with instr. suf. *-la*, whence forms like *čə-wba-čə-h°* (AbR 366) 'horseman sitting without saddle' (*čə-h°* 'horseman')
 - *čbág(a) — SAbx *a-čbága*, Ash *čbág(a)*, Tap *čbág* 'scythe'; ~ < Oss *cævæg* 'id.'
 - *č-pə — SAbx *a-čpə*, Tap *čpə* 'coast, shore', Tap also 'side', Abx *a-čpə-k* 'edge, curb' (*k°ə* 'top'); ~ *pə 'nose' > 'front'
 - *čk'a-ra — *'yard', Tap *čk'ara* prev. '(to/out) the yard'
 - *čq°a — Bz *a-čx°a-ra*, Abzh *a-čx°a-ra*, Tap *r-čq°a-rá* 'to boast' (*r-* caus.)
 - *č-ca — Ash (AbR 367) *čca-məč* 'prick'
 - *č-č'a — Ash (AbR 367) *čč'a-rá* 'to gnaw', Tap (IX) *čč'á-h°a* 'to eat or break sth noisily'
 - *č-čə — Ash (AbR 366) *ččə* 'whetstone'

39. * č'

- *č'a — SAbx *a-č'a* 'bread, wheat', 'cereal', Tap *č'a* 'wheat' in *č'as°ə* 'patty', *č'-laħ°a-ra* 'mortar'
- *č'a — SAbx *a-č'a-rá*, Tap *č'a-rá* 'to eat', SAbx *a-č'a-ra* '(wedding-)feast'
- *č'apá — SAbx *á-č'apa-ra*, Tap *č'pa-rá* 'to make, produce', SAbx also 'to prepare with some peculiarity, e.g. food, *a-č'apá-ra* 'out-house, lean-to', SAbx *a-č'apa-r-tá* 'anvil', Tap *č'pá-r-ta* 'place of production'
- *č'a-qá — Bz *a-čxá*, Abzh *a-čxá*, Tap *čqa* 'ear (of cereal plant)', cf. also Bz *bž' č'əxá-k'* (BD 279) 'seven wheat ears'; ~ *č'a 'wheat', *qa 'head'
- *č'aq”á — SAbx *a-č'aq”á*, Bz also *a-č'aq”ə* 'big wooden mug'
- *č'ú-q”a — SAbx *a-č'áq”a* 'shock, stood, heap'; ~ *č'a 'bread, wheat', for *q”a cf. *t°a-q”a
- *č'a-žə-čə — Abzh (BD 222) *a-čəžəxá*, Tap *čažəx* (AbR 425), *čəžəxá* (AbR 429) 'remnants of food' (SAbx), 'cracklings', 'beestings' (Tap); ~ *čəxá 'to remain'
- *č'áč'a — SAbx (AB II: 416) *a-č'áč'a-ra* 'to thresh'
- *č'áč'xalájə — Abzh (AB II: 416) *a-č'áč'xaláj* 'wooden pipe, gutter'
- *č'á-žə — Bz *a-č'áz*, Abzh *a-č'áz* 'straw'; ~ *č'a 'bread, wheat'

- *č́á-sə — SAbx *a-č́ás*, Tap *č́ás* ‘food’, cf. Ash (AbR 426) *č́asa-ləx* ‘diet’ (*lə-x* ‘sorted out’); ~ *č́á ‘to eat’
- *č́-ášə — SAbx *a-č́áš*, Ash *a-č́áš*, Tap *č́ás* ‘patty, pastry (usu. with cheese)’; ~ *č́á ‘bread’, *ašə ‘cheese’
- *č́áčá — Bz *a-č́áč*, Abzh *a-č́áčá* ‘piece of bread of other food’ (AB II: 408); same as the next ?
- *č́-áyá — Bz *a-č́áy*, Abzh *a-č́áyá* ‘piece of bread or some other food’, in Abzh (AB II: 408) also ‘vegetation’; ~ *č́á ‘bread, wheat, cereal’, *ayá ‘seed, (corn) shoots’
- *č́á-xá — SAbx (AB II: 420) *a-č́xá* ‘bread kvass’; ~ *č́á ‘bread’
- *č́á-h°ərə — Abzh (BD 207) *a-č́aj°jr*, Tx also *č́arj°z* ‘specially prepared cheese’
- *č́amək°a — SAbx *a-č́amək°a*, Ash *ž́amək°a* (AbR 209), *č́amək°a* (ADA), Tap *č́amək°a* ‘maize pap made with cheese and sour-cream’
- *č́amč́amət'a — Bz *a-č́á/a-əmč́á/a-əmət'a* ‘pan-cake’
- *č́á/a-əmsq'ələ — Bz *a-č́əmsq"əl*, Abzh *a-č́əmsq'əl* (BD 222)//*a-č́amsq'əl* (AB II: 411) ‘big wooden spoon, scoop’
- *č́ámħa — SAbx *a-č́ámħa* ‘maple, Acer campestre’ (bot.), Tap (NTab 19) *č́amħá* ‘white maple’
- *č́á-mħá — SAbx (AB II: 411) *a-č́ámħá* ‘wooden spoon used by shepherds’ (arch.); ~ *č́á ‘bread’, for the second part cf. *č́ə-mħá
- *č́-á-la — SAbx *a-č́ála-ra* ‘to suppress, darken’; ~ *č́ə ‘to swell’, á-la-z+aa-ra ‘to contain’
- *č́á-(r-)č́ə — SAbx (AB II: 414) *a-č́árčə* ‘yeast’, Lyx *a-č́čž* (Marr Arch, p. 196) ‘flat cake made of leavened flour’; ~ *č́á ‘bread’, -r- caus., *č́ə ‘to blow, swell’
- *č́ary°a — Ash (AbR 426) *č́ary°a* ‘rolling-pin’; ~ *č́á ‘bread, wheat’
- *č́arxána — Bz (BD 122, A 58) *a-č́á/a-ərxán*, Abzh: A 58 *a-č́á/a-ərxána*, AB II: 427, 431 *a-č́á/a-ərxán*, *a-č́ərxán*, Tap *č́arxána* ‘raspberry’
- *č́á-r-h°a — SAbx (AB II: 414) *a-č́árh°a-ra* ‘to betray, to talk scandal’; ~ *h°a ‘to say, tell’
- *č́ə — SAbx *a-č́(-rá)//a-č́ž-ra*, Ash *č́ə*, Tap *č́-ra//č́ə(-ra)* ‘swelling, tumor’, ‘hernia’, SAbx indef. sing. *č́ə-k'*, SAbx *a-č́-rá*, Tap *č́-ra* ‘to swell, distend’
- *č́ə-ta-x̄á — SAbx (AB II: 419) *á-č́tax̄a* ‘udder of the sacrificed animal’; ~ *č́ə ‘udder’, *ta ‘inside’
- *č́žg°ə — SAbx (AB II: 422) *a-č́žg°* ‘little heap’; ~ cf. *č́žg°ə
- *č́ž-kə — SAbx *a-č́žk'* ‘bush, shrub’, Tap *č́ək'* ‘low (of tree, grass)’; ~ *č́ə ‘to swell’
- *č́ə-q°ápə — Bz (Axu) *č́x̄ap* ‘swollen’; ~ *č́ə ‘to swell’
- *č́ž-q°ə — Bz (BD 65) *a-č́žx̄*, Abzh (AB II: 424) *a-č́žx̄* ‘tassel, fringe’; ~ *q°ə ‘hair’
- *č́ə-č́á — SAbx *á-č́čá(-ra)* ‘laughter’, *á-č́čá-ra*, Bat: Fer *á-č́čá-ra* (Kil 83),

- Sam *a-čəččá-ra* 'to laugh', SAbx *a-čč-ččá-ra* 'to mock/laugh over smb', Tap *qč-ččá-ra* 'to laugh'; ~ redupl., onomat.
- *čə-čá — SAbx (AB II: 425) *a-čə-čá-ra* 'to pester, badger, attack, follow smb which becomes a habit', 'to find fault with', 'to give oneself up to'
- *čəx̥ə — SAbx *a-čx̥-rā* 'urine', 'to urinate', imper. *wə-čx̥ə* 'you (male/hum) urinate!', *čəx̥x̥ə* (Tx) 'to urinate' (SBL), Tap *čəx̥* 'to urinate' (SBL)
- *čə-maza — SAbx *a-čžmaza-ra*, Bzp *a-čžmaza-ra* 'illness', SAbx *a-čžmaza-j̥-xa-ra*, Tap *čmaza-h̥-ra* 'to get ill'; ~ *čə 'to swell'
- *čžlamsə — Bz *a-čžlams*, Abzh *a-šžlams* (BD 218) 'special whip by which the men stroke themselves on their heads during funerals'
- *čənára — SAbx *a-čnár* 'hired shepherd', Ash (AD 40, 74) *čənár*, Tap *čřan* 'servant, farm-labourer'; ~ metathesis in Tap
- *čə(-r-g°ž) — SAbx *á-čərg°* (in AT 138 also *čərg°*), Ash, Tap *čə* 'udder'
- *č'-ta — SAbx (AB II: 419) *á-č̥ta* 'compensation in a form of present or money made by the bridegroom to the slave-owner for the slave's daughter whom he wants to be his wife'; ~ *ta 'to give'
- *č'-ta — SAbx (AB II: 419) *á-č̥ta* 'hinge' (*-ta 'place of')
- *č'-ta — SAbx (AB II: 419) *a-č̥tá* 'part of cart' (*-ta 'place of')
- *č'-ga — SAbx (AB II: 417) *a-č̥ga-rá*, Tap *č̥ga-ra* '(to) fast' (SAbx), 'to starve, famish' (Tap), SAbx *a-č̥ga-x̥á* 'lenten fare' (*x̥á* 'food'), Tap *č̥ga* 'hungry'; ~ *ga 'to carry, take'
- *čk/x̥žpə — Bz (Lyx) *a-čž̥p*, Abzh (AB II: 419) *a-čkžp* 'fork'
- *č'-k"ahá — SAbx (AB II: 418) *a-čk"ahá*, Ash (AD 220) *a-č"-čk"ahá* (*a-č"* 'cow'), Tap *čk"ha* 'state of animal before delivery when the udder starts to be filled with milk', Tap also 'animal with the young one', SAbx *a-čk"aha-rá*, Tap *čk"ha-ra* 'to be going to deliver children (of animals)', Tap *čk"ha-mta* 'period of pregnancy'; ~ *čə 'udder'
- *čk"ack"ž — Abzh (AB II: 418) *a-čk"ack"-rá* 'to hew, trim'
- *čk(')artəla — Bz *jə-ž̥ čk"artəl-za* 'with curly hair' (Zw), Axu *čk"artəl* 'forelock', 'hair with small curls'; Zw also *-čž̥artəl-za*
- *č"-k"əmž"əra — Bz *a-čk"əmž"ér* 'eye pus'; ~ *čə 'to swell'; cf. *čk"əmž"əra
- *č"-x̥ára — SAbx *a-čx̥ár* 'crust left inside the pot after making maize pap'; ~ *č'a 'bread'
- *č"-q°ə — Bz (BD 219) *a-čž̥ə* 'dandruff'; ~ *čə 'to swell', *q°ə 'hair'
- *čx̥ə-n-č'a — Ash (AbR 429) *čx̥ənč'a-ra* 'crib, manger'; ~ -n- locative, č'a 'to eat', 'to itch'
- *čx̥ərac'a — Abzh (AB II: 420) *a-čx̥ərac'a* 'part of log not yet touched by fire'
- *čx̥x̥ərə — Tap *čx̥x̥ər* 'wavy, curly'
- *čha — SAbx *á-čha-ra*, Tap *čha-ra* 'patience', 'to stand, bear'
- *črəš'ə — SAbx (AB II: 419) *a-črəš'* 'wax, glue', *a-črəš'-ra* 'to wax',

a-č'řš'-ajmaá (Dzh, Xu) 'leather shoes'

40. *č°

- *č°ə — SAbx, Ash *f-ba*, Tap *c-ba* 'six', SAbx *fə-n-t* 'six times'
- *č°ə — SAbx *a-fž*, indef.sg. *fž-k*', Ash *af(ž)*, Tap *a-c*, indef.sg. *cž-k*' 'lightning'

41. *č'

- *č'a — SAbx *a-č'ž*, As (Ad 218) *a-č'a*, Tap *č'a* 'mouth', 'face', 'blade'
- *č'a — SAbx *a-č'á*, Tap *č'a* 'young, fresh', pl.: SAbx *a-č'-ár(a)* 'young people, youth', Tap *č'á-ra* (Gum) 'young people, youth'
- *č'a — SAbx (AB II: 469) *a-č'a-rá* 'to hew, chop'
- *č'a — SAbx (AB II: 469) *a-č'a-rá* 'to hang (of fruit)'
- *č'a — Bz (BD 140) *a-č'a-rá*, SAbx *a-č'ž-z-aa-ra* 'to do, be busy with sth'
- *č'a-bá — SAbx *a-č'a-ba-rá* 'to get dry (of tongue)', 'to loose temporary the ability of speech', Tap *č'a-ba-ra* 'to forget'; ~ *č'a 'mouth', *ba '(to) dry'
- *č'á-ta — SAbx *č'á-ta-ra* 'to oath, swear'; ~ *č'a 'mouth', *ta 'to give'
- *č'a-qá — Tap *č'a-qá* 'face'; ~ *č'a 'mouth', *qa 'head'; cf. *qa-č'a
- *č'a-qá — Tap *č'aqa-ra* 'to swallow', cf. also Ash (AbR 446) *č'aqa* 'pasture'; ~ *č'a 'mouth', *qa 'to drag, pull'
- *č'a-žž — SAbx *a-č'a-žž*, Tap *č'a-žž* 'saliva'; ~ *č'a 'mouth', *žž 'water'
- *č'áč'a — Bz (BD 41) *a-č'ač'-k* 'healthy, smooth face', Tap *nap'ə r-č'áč'a* 'fist', (GA 87) *š'a-č'áč'a* 'shin, shank' (*š'a* 'foot'), *r-č'áč'a-ra* 'to squeeze'
- *č'a-ħ'á — SAbx *a-č'aj"-a-rá* 'to get dry on the twig', *a-č'áj"-a(-ra)* 'out-of-the-way place'; ~ *č'a 'face, surface', *ħ'a '(to) dry'
- *č'a-ħá — SAbx *a-č'aħá*, Ash (AbR 446) *č'aħá* 'dumb'; ~ *č'a 'mouth', *ħa 'to weave'
- *č'a-ħ'á — SAbx *a-č'a-ħ'a-rá*, Tap *č'aħ'a-ra* 'to tie up', Tap *č'aħ'a* 'sheaf, bunch'; ~ *č'a 'mouth', *ħ'a 'to tie up'
- *č'a-mħ'á — SAbx *a-č'amj"-á* 'sip'; ~ *č'a 'mouth', *mħ'a 'possibility of'
- *č'á-la — SAbx *a-č'ála-ra* 'to appear (of fruit)', 'to climb up'; ~ č'a 'mouth' > 'surface', *la* 'to go'
- *č'a-n-c'á — SAbx *a-č'anc'á* 'present'; ~ *č'a 'mouth', -n- locative, *c'a 'to put'
- *č'arp'ána — Bz *a-č'ərp'án//a-č'arp'á/án*, Abzh *a-č'a/ərp'ón* (AB II: 480) 'kind of reed', 'flute made of reed'; ~ cf. *c'arp'ána
- *č'ə-bg(°)ž — Bz *a-č'abgž* (Lyx), *a-č'əbgá* (Zw), *a-č'əbgž* (AB II: 478), Abzh (AB

- II, 478) *a-č'əbgə* 'dubonos' (zool.), but: BD 215 Bz *a-č'əbgə*, Abzh *a-k"əč'bá* 'bullfinch'
- *č'ə-tá — SAbx *a-č'(ə)-t-rá*, Tap *č'-ta-ra* 'to call smb', (GA 59) *č'ə-t-rá* 'exclamation', SAbx also 'to utter, speak'; ~ *č'a 'mouth', *ta 'to give'
 - *č'ə-k°ə — SAbx *a-č'ək°* 'coast, river-side'
 - *č'ə-k(')°ə — Bz *a-č'ək°* (AB II: 479), *a-č'ək"* (Dzh) 'wooden trough (for feeding animals)'
 - *č'əgħha — SAbx (AB II: 478) *a-č'əgħha-ra* 'width'
 - *č'ə-żaza — Tap *č'ə-żaza* 'chin, jaw'
 - *č'ə-ċə — Bz *a-č'əċ//a-č'əċ*, Abzh *a-č'əċ*, AD (64), Tap *č'əc* 'new'; ~ *č'a 'new'
 - *č'ə-c'a — Abzh (AB II: 482) *a-č'əc'a* 'palate (anat.)'; ~ also as a prev. 'from inside/mouth'; ~ *č'a 'mouth', *c'a 'bottom'
 - *č'ə-c'-ga — Bz *a-č'əc'ga//a-č'əc'ga*, Abzh *a-č'əc'ga* (BD 142), Tap *č'əc'ga* 'pretext, excuse', Tap also 'farming', SAbx (AB II: 463, 482) *a-č'ə-c'-ga-ra//a-č'ə-c'-ga-rá* 'to accuse, incriminate'; ~ *č'ə 'mouth', c'-ga 'to take from beneath'
 - *č'ə-śə — Abzh (AT 89) *a-č'əś*, Ash (AD 220) *-č'əś*, Tap (GA 40, 86) *-č'əś* 'young (of animals)' (Ash and Tap in compounds), pl. : Tap *-č'-ára*
 - *č'ə-śa — Bz ? *a-č'əś-ra*, Abzh *a-č'əśra* 'to wash head'; ~ *č'a 'mouth, face', *śa 'to rinse'
 - *č'ħa-č'ħa — SAbx *ħ-č'ħaa-č'ħaa-ra* 'long drawn-out furious shriek, shout'
 - *č'-ħ'a — Bz *a-č'ħ'a-rá* (BD 99), *a-čħ'a-rá*, Abzh *a-č'ħ'a-rá* 'term'; cf. also SAbx *a-č'ā a-ħ'a-rá* 'to accept proposal to marry (of woman)', 'to promise'; ~ *ħ'a 'to say'

42. *č''

- *č'ā — Abzh *a-č'ā-ra* 'to crack'
- *č'ā-pšə — SAbx (AB II: 426) *a-č'āpš* 'pure, beautiful'
- *č'apšā — Bz *a-č'apšā-rá*, Abzh *ħ-č'apšā-ra*, Ash, Tap *č'apšā-rá* 'to guard, watch', 'to entertain the sickman all night long', SAbx also 'to keep vigil'; indef.sg.: Abzh (Och) *č'apšā-ra-k'*, Tap (IX) *č'apšā-rá-k'*
- *č'ap'/bérħx/q'a — Abzh *a-č'ap'ərħxa*, Bz also *a-č'abréħxa* (BD 223), *a-č'abréħx* (Bl), *a-č'abréħxa* (IM, Bzp), *a-č'abréħx* (Axu) 'short thin rope' < ?
- *č'āk()ə — SAbx *a-č'āk* 'button', Tap *č'āk(-ħ'a)* '(noise of) crack(le)'; ~ onomat.
- *č'ā-k"a — SAbx (AB II: 425) *a-č'ā-k"a-ra* 'to mow', *a-č'āk"aga* 'kind of scythe'; ~ *k"a 'to sharpen', 'to rough-hew', *-ga instr.
- *č'ā-cə — Bz (Axu) *a-č'āc* 'grain of some dry substance'

- *č'áč'a — SAbx *a-č'áč'a*, Ash, Tap *č'áč'a* 'kidney(s)'
- *č'áš'a — SAbx *a-č'áš(a)*, Tap *č'áš* 'with white spot on head (of animals)', Bz (Bl) also 'bald (of head)', SAbx *a-lab-č'áš* 'decorated stick' (*a-labá* 'stick, cane')
- *č'ah'žla — SAbx (AB II: 428) *a-č'aj'žl* 'kind of grass'
- *č'ána — SAbx *a-č'án* (< Ad *č'ána*), Tap *č'én* (< Kab *s'ajən*) 'heritage, escheat', Tap also 'clothes of the dead man which is usually distributed after funerals among the clergy and the poor'
- *č'ána — SAbx (AB II: 426) *č'án-č'ánə* 'to grasp each other, to quarrel'
- *č'ára — SAbx (AB II: 427) *a-č'ár* 'material for wattling baskets', 'cross-beam put on the roof rafter on which shingle is nailed', *a-č'ár-ra* 'to put the cross-beams on the roof rafters for nailing the shingle'
- *č'áda — SAbx *a-č'áda* 'special, peculiar', 'additional part of sth (e.g. of material)', *a-č'áda-ħa-z-gə* 'besides, above sth', *č'ád-č'áda-la* 'little by little, grain by grain', Ash, Tap *č'áda* 'extra, excess', 'free (of time)'
- *č'ág°ə — Bz *a-č'ág°* 'accurate, diligent, tidy', Tap *č'ág°-ra* 'to stop up, cork up'
- *č'áč-ca — SAbx *a-č'áč* 'pupil (of the eye)'; ~ *ca 'single'
- *č'áč'ə — SAbx (AB II: 431) *a-č'áč'-ma-sa* 'small fry' (-sa 'small')
- *č'áč'ə — SAbx (AB II: 431) *a-č'áč'-rá* 'to char, burn, scorch'; ~ cf. *č'ája
- *č'í(a)č'ə — SAbx (AB II: 429) *a-č'íč'-rá* 'to wind thread', cf. also *a-č'íč'-ga*, Dirr 18 *a-č'íč'-ga* 'instrument for extracting the seeds from raw cotton'
- *č'ávavára — Bz *a-č'í(əm)vavár*, *a-č'vavár* 'tuft of hair on boy's head', 'curly (of hair)'; ~ -m- epenthetic, *vavär* < *vər-vər 'descr. of the sound of a rotating thing' (onomat.)
- *č'áss'a — SAbx *a-č'áss(a)* 'the transversal thread of the warp' (AB II: 431), 'weft, woof' (BD 122, A 58)
- *č'áss'(s)ə — SAbx (AB II: 431) *a-č'áss'/a-č's's'ə* 'sooth', *a-č'áss'-ra* 'to daub', 'to dirt', 'to be able to write a liitle', *a-č'áss's'ə* 'dirty, soiled, stained', 'poor, miserable', cf. also Bz (Zw) *č'áas'ək'* 'swarthy, very dark'
- *č'áx-č'ə — SAbx (AB II: 431) *a-č'áx* 'cold (weather)'; ~ *č'ə 'cold'
- *č'áx-č'ə — SAbx (AB II: 429) *a-č'-rəx°* 'motley, speckled', Tap *č'áx-x°* 'blue'
- *č'á-la — SAbx *a-č'á-la-ra* 'to crack(le), 'to rip', 'to unglue'; ~ *-la VRE
- *č'í(a)rək"ə — SAbx (AB II: 431) *a-č'írək"ə* (< Sh *č'írək"ə*), Ash *č'írək"ə* 'Jerusalem artichoke', Tap: Gum *č'írək"ə* 'id.', AbR 447 *č'rək"ə* 'turnip', but in RAb 434 'turnip' is *cəca dəw*, lit. 'big radish' (< OKab *č'ə/č'rək"ə 'Jerusalem artichoke' (cf. LKab *s'ärək"ə* (KR 456), Kuban Kab *s'ärək"ə*
- *č'ája — SAbx (AB II: 428) *a-č'ája-ra* 'to char, burn, scorch'

- *č'-t'ə-cə — SAbx (Kamkia 52) *a-č'-t'ə-c* '(leaf-)bud'; ~ *t'ə 'to open', *cə 'single'
- *č'k"ə-na — SAbx *á-č'k"ən*, Tap *č'k"ən* 'boy, youth', SAbx also 'son', Tap also 'young', 'small, little', SAbx indef.sg. *č'k"əna-k'*; ~ *č'k"ə : PC *c'ək"ə 'small', *-na diminutive
- *č'č'a — SAbx *a-č'č'á(-h'a)* 'descr. of crackling sounds (of breaking small things, wood in fire, etc)', 'well, labourously, freely (of an action)', *a-č'č'a-rá* 'to crack(le)'
- *č'nəšə — SAbx *á-č'nəš* 'sea-gull'; ~ -š 'white' ?

43. *č"

- *č'a — Bz *a-p'á*, Abzh *a-p'á//a-f'á*, Sa *a-fá* (Khal), *a-p'á//a-fá* (Tsw), Ash *a-f'á*, Tap *a-c'á* 'thin'

44. *v

- *vərə(-vərə) — Bz *á-vər-vər-h'a* (Bl), *á-vəjr-vajr-h'a* (AF 53), Abzh *á-vər-vər-h'a*, Tap *vər-vər-h'a* 'swiftly turning around' (Bz), 'descr. of swift rotating movements' (Abzh, Tap), SAbx *á-vər-h'a* 'swiftly, briskly', lit. 'swiftly turning'; ~ onomat.

45. *f

- *fa — SAbx *á-fa(-t")*, Ash (AD 8) *a-fa-t"á* 'food', *á-fa-ra*, Tap *fa-rá* 'to eat', SAbx also 'itch, scab', 'to bite (of animals or insects)'
- *fákə — SAbx *a-fák'* '(warm) steam'
- *faká — SAbx *a-faká-h'a* 'swiftly, instantly'
- *fa-sá — Bz *a-facá* 'small bush, shrub', Abzh *a-fa-sá* 'thorny bush', Bz *a-faca-rá*, Abzh *a-fasa-rá* (BD 110, AB II: 199-200) 'low (thorny) brushwood'
- *fá-(r)ħə — Bz *a-fax'*, Abzh *a-fárħ'* (AB II: 199) 'brushwood', 'lean, thin (of man)'
- *fəħə — SAbx *a-fj"á*, Ash (AD 34) *fəj"á*, Tap *fħə* 'smell'
- *farə — SAbx *á-fər(-ħ'a)* 'quickly, swiftly', *á-fər-fər-h'a* 'id', Abzh *a-fər-ħáč'a*, Bz *a-fər-ħáč'a*, Ash *a-fər-qáč'a* 'hero' (*qáč'a 'man'), Ash, Tap *fər* 'hero'; ~ onomat. ?

46. *z

- *za — SAbx *a-za-rá*, Tap *za-rá* 'to weigh (dry substances and liquids)'
- *za — *'one': SAbx *á-z-nap'ə-k'* 'one hand' (*a-nap'ə* 'hand', *-k'* indef.sg.), *á-z-ləmħa-k'* 'one ear' (*a-ləmħa* 'ear'), cf. also **z̥á-j-za* 'eleven', **za-č̥əž* 'the only one', **za-nə* 'once', etc.
- *zákə — Bz *a-zák-ra*, Tap *zak-ra* 'to beat'
- *zak°á — SAbx *á-zk°a*, Ash: Kondzh 27 *á-zak°//zk°a*, Ad 87 *zak°a*, Tap *zk°ə* 'back'
- *z-aq'á — Bz *zaq'á*, Bat (Sam), Ash *zaq'a-rá*, Tap *z̥a-a-rá//záʔa-ra* 'how many/much?'; ~ *zə- interrog. pref., **aq'a* 'such (of size, quantity, quality)'
- *za-c'á — SAbx *zac'á* 'by no means, never', *zac'-áa-j-ra* 'slowly, little by little' (*aa-j-ra* 'to come'), Tap *zác'a-ra* 'to aim at smb/sth (with the gun)'
- *za-č̥əž — SAbx *á-zac̥* 'lonely, alone', *za-č̥əž-k'* 'the only one, one of'; ~ *za 'one', **č̥əž* 'little stick'
- *z/zax̥á — Bz *á-zax̥* (BD 246), *á-zx̥a* (M 38), *á-zx̥â* (U 152), *a-zax̥â* (Dirr 12), *á-zax̥ə-wa* (TuBz), Sa *á-zax̥ə-w* 'Circassian, Adyghe'
- *z/sahandáq' — Bz *a-zaandáq'* 'bow' (milit.), AB I: 244, AB II: 113, 117 also *a-zandáq'*, *a-sa(a)ndáq'*, Tap *sahə/andáq'* 'arrow'; ~ < Turkic
- *za-nə — SAbx *znə*, Sa, Ash *zanə*, Tap *znə* 'once', 'first', SAbx *znə-zən-la*, Tap *znə-zan* 'sometimes, from time to time'; ~ *za 'one', *-nə* adverbial suf.
- *za-nə-ž̥ə — Bz *za/ənž̥ə* 'recently'; ~ *za-nə 'once'
- *zára — Tap *zára* 'dry, stale, dried-up, hardened'
- *zə — Bz *a-z* 'bush, shrub', (BB) *a-z-š* 'blackberry shrub' (š 'white'?)
- *zə — SAbx *a-z*, Ash (Kondzh 28) *a-zə* 'bile, gall', SAbx also 'gall-bladder', 'of golden colour (of horse)', 'red, light-blond'
- *zə-k̥ə — SAbx *zk̥ə*, Bat (Fer-Kil 44) *zək'-k̥ə//zak'-k̥ə* (-k̥ə 'one'), Tap *zk̥ə* 'thousand'; ~ *za 'one', **k̥ə* 'thousand'?
- *zə-k̥ə — Bz *a-zək'* 'corner'
- *zə-mñ̥á — SAbx *zəmñ̥á* 'aside, to the side', Tap *zəmñ̥á* 'all, totally, completely'; ~ *za 'one', **mñ̥a* 'road, way'?
- *zə-n-g̥ə — SAbx, Ash, Tap *zəng̥ə* 'never, not a once'; ~ *za-nə 'once', **-g̥ə* 'and'
- *zə-ja-g̥ə — Bz *zeg'(ə)*, *zag̥ə* (BD 149, AF 39), *zjag̥ə* (U 75, BD 95), *zzag̥ə* (AF 57), Bz, Bat (Fer), Ash (AD 53) *jə-zzag̥ə*, Ash also *jə-zzag̥ə* (AD 3), *jə-zzag̥ə* (AD 32) 'all, everybody, everything' (*jə-* 'it', geminate *zz* is emphatic); ~ *za 'one', *-ja-g̥ə* 'it-and'='the other'
- *zla — Bz *á-z/zla* 'sweet', Abzh *á-zla* (BD 229) 'bitter'

47. **s*

- **sa* — SAbx *a-sa-rá*, Tap *sa-rá* 'to cut out (material)'
- **sa* — SAbx *a-sá* 'piece (of food)'
- **sa* — SAbx *a-sa-rá* 'to be boiled', Tap (GA 75) *-sa-* 'to boil (of cereals)', Bz (BB) *á-r-sa-ra* 'to boil, cook', 'to digest' (*r-* caus.)
- **sa* — SAbx (AB II: 117) *á-sa-ra* 'small wood'
- **sába* — SAbx *a-sába*, Tap *sába* 'dust'
- **sák* — SAbx *a-sák*, Ash *sak* 'the removable beam in the gates', 'wooden lock'; ~ < Circ ?
- **sák* — Abzh *a-sák* 'powder'
- **sá-q* — Bz (BB) *a-käd-smáq* (a-*käd* 'block'), Abzh (AB II: 115) *a-sa-q* 'block, low bench', Ash (Kuv) *a-sá-q* 'chair' (AbR 331), 'low table on three legs' (S 7); ~ **sa* 'piece of wood', **q* 'bent'
- **sas* — SAbx *á-sas*, indef. sg. *sas-k*, Ash, Tap *sas* 'guest'
- **samsála* — SAbx *a-samsá/äl* 'jet-black'
- **sa(-rá)* — SAbx, Ash, Tap *sa(-rá)*, Sa *sa(-r)*//*sa(-rá)* 'I'
- **sajə* — Tap *saj-ra* 'to temper, steel (metal)'
- **ssa* — Bz *a-ssa-rá*, Abzh *a-r-ssa-ra* (BD 174) 'to cut in thin slices'
- **shará* — Bz *a-saará* 'floor, ground'

48. **z*

- **za* — Bz *a-zá*, Abzh *a-zá* 'clean, clear, settled (of liquid)', Bz *a-za-rá*, Abzh *a-za-rá* 'to settle (of liquid)', Tap (GA 77) *za-ra* 'to filter'
- **záza* — Bz *a-záza*, Abzh *a-zaza*, Ash, Tap *záza* 'dullish, clumsy, slow, sluggish', *a-zaza-rá* 'to shake, rock (e.g. when walking)'
- **z-áz* — Bz *a-záz*, Abzh *a-záz* 'proud man, the one who thinks too much of himself'; ~ **az* 'old' > pejorative suf.
- **zə* — Bz *a-žə*, Abzh, Ash *a-zə* 'for'
- **zgáza* — Bz *a-žáz* 'place between threshold and the hearth', Bat (Sam) *á-sħaza* 'in the middle (of)'
- **z-qa* — Bz *a-ža-rá*, Abzh *a-zha-rá*, Tap (GA 172) *a-z-qa-rá* 'to be enough'; ~ **zə* 'for' > version pref.
- **žža* — Bz *-žža-žá* 'slow, rather fool, clumsy', Abzh (AB I: 252) *-zza-žá* 'to distend, be swelled'
- **ž-ħa* — Bz *a-žaa-rá*, Abzh *a-zaa-rá* 'going mad, being possessed by mental disease', 'to acquire a certain state after some misfortune'; ~ **zə* version, **ħa* 'to come'
- **žħ'a* — Bz *a-žj* 'plague', 'infectious disease', Tap *zħ'a* 'sickness, illness'

49. **z̥*

- **z̥a-c̥* — Bz (BD 275) *z̥a-c̥*, Abzh *z̥a-c̥*, Tap *z̥a-c̥* 'day before yesterday'; for **cə* cf. **ja-c̥* 'yesterday'
- **z̥-aqá* — Bz, Ahch *z̥-ax̥á*, Abzh *z̥a-ħá*, Tap *z̥a-qá* 'night before yesterday', SAbx also 'recently, the last time'; ~ **aqa* 'night'
- **z̥ə* — Bz *a-z̥*, indef.sg. *z̥ə-k'*, Abzh *a-z̥*, Ash *a-z̥*, Tap *z̥ə* 'cow'
- **z̥ə* — Bz *á-z̥-ra*, Abzh *á-z̥-ra*, Tap *z̥-ra* 'to drink'
- **z̥ə* — Bz *á-z̥-ra* (B 54), *a-z̥-rá* (U 135)//*a-z̥-rá* (Bzp), Abzh *a-z̥-rá*, Tap *z̥-ra* 'to boil'; cf. also Bz *a-z̥-s̥*, Tap (Gum2) *z̥ə* 'boiled', Bz *a-z̥-s̥-ga* 'vessel for boiling things' (-ga instr.), imper. *jə-z̥-s̥* 'it-boil!'
- **z̥ə* — Bz (BD 54, 292) *z̥-ba*, *z̥ə-bá*, Abzh, Sa *z̥-ba*, Ash *z̥-ba*, Tap *z̥-ba* 'nine' (-ba nonnum)
- **z̥ə-h̥-s̥-á-q'a* — Bz (BD 274) *a-z̥əj̥s̥áq'a*//*a-z̥ə(j)s̥áq'a*, Abzh: AB I: 240, 242 *a-z̥j̥as̥áq'a*//*a-z̥əj̥s̥áq'a*, AD 42 (Dzhg) *a-z̥j̥əm̥s̥áq'a*, Ahch *a-z̥əm̥s̥áq'a*, Ash: Kondzh 27 *z̥əmsáq'a*, AD 5, 218 *a-z̥h̥əmsáq'a*, Tap (1Gum) *z̥h̥əmsáq'a* 'shoulder-blade' (anat.); ~ **z̥ə-h̥a* 'shoulder', **q'a* 'flat'
- **z̥ə-ł-la* — Bz (BD 54) *á-z̥-la-ra*//*a-z̥ə-ł-la-ra*, Abzh *a-z̥ə-ł-la-ra*, Tap *a-z̥ə-ł-l-ra* 'to attack, fall upon', Bz *á-z̥-la-ra*//*a-čə-ł-ł-la-ra*, Tap *čə-z̥ə-ł-l-ra* 'to sit on a horse' (*čə* 'horse'); ~ **z̥ə* 'on top', **la* 'to go'
- **z̥ə-p'a* — Bz *á-z̥p'a*, Abzh *á-z̥p'a*, Tap *z̥p'a* 'thick, dense (of flat things, liquids, paper, plants)', 'a lot of (animals, people, etc.), crowd'; ~ for **p'a* cf. **s̥-p'a*
- **z̥ə-t̥-qa* — Ahch *a-z̥t̥ə-ł-ł-qa*, Ash (AD 219) *a-z̥t̥qá* 'thigh', Tap *z̥č̥qa* 'buttock', 'pelvis'
- **z̥ə-t̥ə* — Bz (BD 54) *a-z̥-t̥*, Abzh *a-z̥t̥* 'thigh, pelvic bone', Ash (AbR 218) *z̥-t̥ə*, Tap *z̥-č̥ə* 'back leg (of animal)', *z̥-č̥ə bəh̥* 'pelvic bone'
- **z̥ə-3ə* — Bz (BD 275), Ahch *a-z̥-3ə*, Abzh *a-z̥-3ə* 'saliva' (3ə 'water')
- **z̥ə-3-qa* — Tap *z̥3-qa* 'thigh', 'pelvis'; ~ **qa* 'head'
- **z̥ə-c'a* — Bz *á-z̥-c'a-ra*, Abzh *á-z̥-c'a-ra* 'to attack smb/sth after smb's command', Tap *á-z̥-c'a-ra* 'to set (e.g. a dog) on smb/sth'; ~ **z̥ə* 'on top', **c'a* 'to put'
- **z̥ə-c'ə* — Bz *a-z̥-c'(ə-s̥)*, Abzh *á-z̥-c'əs̥*, Ash (AD 221) *a-z̥-c'əs̥*, Tap *z̥-c'ə* 'swallow'; ~ **z̥ə* 'cow', **c'ə* 'bird', *-s̥ə dimin. suf.
- **z̥ə-h̥a* — Bz, Ahch *á-z̥j̥a*, Abzh (AB I: 239) *a-z̥j̥á*, Tap *z̥h̥a* 'shoulder', in SAbx also 'wing', 'oar'
- **z̥ə-h̥a-qá* — Bz *a-z̥j̥ax̥ə-r*, Ash (AD 218) *z̥h̥a-qá* 'shoulder'
- **z̥ə-h̥a* — *'sky', 'weather': Tap (AbR 217) *z̥h̥a-k°* 'rainy weather' (k°ə 'rain')
- **z̥ə-h̥a-n(d)s̥* — Bz *á-z̥j̥an*, Abzh *á-z̥j̥an*, Ahch *a-z̥j̥an(a)*, Ash (AD 5) *a-z̥h̥an*, Tap *z̥h̥and̥*, GA 44 *z̥h̥and* 'sky'; ~ cf. **z̥ə-h̥a*

50. *š

- *ša — Bz *a-ša-rá*, Abzh *a-sa-rá*, Tap *sa-rá* 'to shave, cut hair'
- *š-áq[”]*a* — Bz (Lyx) *a-šáq”a* 'snow preserved in summer in the mountains or hollows'; ~ *šə 'snow', for *q[”]*a* cf. *t[”]*a-q”a*
- *šážə — Bz *a-šáž*, Abzh, Sa *a-sáz* 'Sadz (an Abkhaz tribe)'
- *š(a)-šá — Bz: U 160 *a-ššá*, BD 38, BB *á-šša*, Abzh *á-ssa*, Fer (Kil 28) *sasá*, Tap *ssa* 'small, little'
- *š(aš)k’žrə — Bz *a-šk’žr*, Abzh *a-sask’žr* (BD 216) Rus 'черемша, лук медвежий (*Allium ursinum*)'
- *šə — Bz *á-s-ra*, Abzh *á-s-ra*, Tap *á-s-ra* 'to beat, hit', 'play a game', 'to attack, fall on'
- *šə — Bz *a-š-rá*, Abzh *a-s-rá*, Tap *s-ra* 'to weave', Tap also 'to felt', Bz *a-šə-r-tə*, Abzh *a-sərtə*, and also (? cf. AB II: 130) *a-sə-ga* 'loom' (-r-ta 'place of', -ga instrumental)
- *šə — Bz *a-šž*, Abzh *a-sž*, Tap *sə* 'snow'
- *šž — Bz *a-šž-s*, Abzh *a-sž-s*, Tap *sə-s* 'lamb', pl.: Bz *a-š-ár(a-k°a)*, Abzh *a-s-ár(a-k°a)*, Tap *s-ára*; ~ -šə dimin. suffix, *-ara pl. suf.
- *šéšk’(l)amšə — Bz *a-šéšk’(l)amš*, *a-šéšk’(l)amš*, Abzh *a-šéšk’ams*, Bat (Sam) *a-šéšk’alams*, Ash *čk’lams*, AD 216 *čk’elams* 'ant'
- *šə-k’šá/ž — Bz *á-sək’š* (BD 51), *á-šk’š* (U 178), cf. also *žə-sək’ša* 'three (žə) years' (AF 65), Abzh *a-šək’s*, Ash *a-šək”sa*(AD 81)/*šək”sa*(AD 89), indef.sg. (AD 89) *šək”sə-k’*, Tap *sk”šə*, GA 56 *sək”šə* 'year'; ~ for *šə cf. also *šə-n-t”á
- *šə-n-t”á — Bz *sənt”á*, Abzh *sənt”á*, Bat (Sam) *sənt”ž*, Ash *sənt’á*, Tap *sənč”a* 'this year'; ~ *šə 'year' (cf. *šə-k”ša/ž), -n- locative, -t”a attrib.
- *šž-(j-)psa — Bz *a-šž-psa* (BD 34, Dzh, BB), *a-šž-psa* (BD 445), Abzh *a-sž-psa* 'snow-slip, Tap *sə-j-psa* 'snow-drift'; ~ *šə 'snow', *psa 'to pour'; Bz š in *psa* is by assimilation
- *šwə-ra — Bz (U 160) *a-šwərā* 'out-house'

51. *š[°]

- *š[°]*a* — Bz (Obr.slov.) *a-š[°]a-rá*, Abzh *a-š[°]a-rá* 'to destroy, disassemble, dismantle (e.g. wattled fence, planks of the house)', Tap *š[°]a-ga-ra* 'to bare, strip (by dismantling the fence)' (*ga* 'to bring')
- *š[°]*a* — Bz *a-š[°]a-rá*, Abzh *a-š[°]a-rá*, Tap *š[°]a-rá* 'to pay'
- *š[°]-ápšə — Bz *a-š[°]ápš*, Abzh *a-š[°]ápš* 'daybreak, dawn, glow'; ~ *apšə 'red'
- *š[°]á-qə — Bz *a-š[°]áž*, Abzh *a-š[°]áž*, Tap *š[°]aq* 'foam', *š[°]aqə-r-č’-rá* 'to foam' (r-caus., č’ 'to blow, swell')
- *š[°]*a-q”á* — Bz *a-š[°]ax”á*, Abzh *a-š[°]ax”á* 'ray, beam'; ~ for *š[°]*a* cf. *š[°]-apšə; cf.

- also Abzh (AB II: 508) *a-š°á-l-q'á* 'sun rays which pierce the clouds after storm' (*a-l-q'á-ra* 'to jump out of sth')
- **s°-(a-)q'á* — Bz, Ahch *a-š°a-q'á-rá*, Abzh *a-š°a-q'á-rá* 'to stand stock-still (of being frightened, bewildered, etc.)', Tap (IX) *a-š°-q'á-rá* 'to be unable to do sth'; ~ **s°ə* 'to freeze', **q'á* 'to strike', cf. Tap *š°-ra* 'to stand stock-still' < 'to freeze'
- **s°a-šá* — Ahch *a-š°ašá*, Tap (Gum) *s°ašá* 'thick cannabis thread for sewing shoes'; ~ **ša* 'rope, cord'; cf. **ša-s°a*
- **s°a-žá* — Bz (BD 55, 274) *a-š°axž/á*, Ahch *a-š°axžá*, Abzh *a-š°axžá*, Bat (Sam) *a-š°axžá*, Tap *s°axžá* 'Monday'; ~ for *-žá* cf. **ja-žá* 'today'
- **s°anə* — Bz *á-s°an(ə-wa)*, Abzh (Chl) *á-s°an(ə-wa)* 'Svan' (wa ethnic) < Kart
- **s°a(-rá)* — Bz, Ash *s°a(-rá)*, Abzh, Tap *s°a(-rá)*, Sa *s°a(-rá)/s°a(-r)* 'you' (pl.)
- **s°á-ra-tə* — Bz *s°a-r-t*, Abzh *s°a-r-t* 'you'; ~ cf. **s°a(-ra)*
- **s°ə* — Bz *a-s°*, Abzh *a-s°*, Ash (AD 222) *a-s°-t°a*, Tap *s°-č°ə* 'beech' (-*t°a/-č°ə* attrib. suf.)
- **s°ə* — Bz *a-s°-rá*, Abzh *a-s°-rá*, Ash *s°-ra*, Tap *s°-rá* 'to swell (of abscess, boil)', 'to ripe (of fruit)', Tap *s°-rá//s°ž-r-ta* 'abscess, boil' (-*r+ta* 'place of')
- **s°ə* — Bz *a-s°-rá*, Abzh *a-s°-rá*, Ash *s°-ra*, Tap *s°-rá* 'to get cool, numb/stiff (of cold)', 'to coagulate (of blood)', 'to stand stock-still (bewildered or frightened)'
- **s°ə* — Bz *a-s°ž-z-aa-ra*, Abzh *a-s°ž-z-aa-ra*, Tap *s°ž-z-la-ra* 'to have clothes on', Bz *a-s°-c'a-rá*, Abzh *a-s°-c'a-rá*, Tap (2Gum) *s°-c'a-rá//s°ž-c'a-ra* 'to put on (clothes)', Bz *a-s°ž-ž-ra*, Abzh *a-s°ž-ž-ra*, Tap (2Gum) *s°ž-ž-ra* 'to put off (clothes)', LABx *a-s°-c'a-t°ž*, Ash (AD 5) *a-s°ž-c'a* 'clothes'
- **s°əs°á* — Bz, Ahch *a-r-s°s°a-rá*, Abzh *a-r-s°s°a-rá*, Ash (AD 20) *r-s°əs°a-ra*, Tap *r-s°s°a-rá* 'to shake (up/out)', Tap also 'to destroy, dismantle'
- **s°əs°ž* — Bz *á-s°s°-ra* (BD 55), *a-s°s°-rá* (Zw, Bz), Abzh *á-s°əs°-ra*, Bat (Sam) *á-s°əs°a-ra*, Ahch *a-s°əs°-rá*, Tap *s°s°-ra* 'to whistle', Abzh imper. *wə-s°əs°ž* 'you (male/hum) whistle!'; ~ onomat.
- **s°ž-rə* — Bz *a-s°žr*, Abzh *a-s°žr*, Tap *s°žr* 'fruit'; ~ **s°ə* 'to swell; ripe'
- **s°ər-s°žrə* — Bz *a-s°ər-s°žr*, Abzh *a-s°ər-s°žr* 'whistle', cf. also Tap (2Gum) *s°araž-žwt* 'id'; ~ onomat., cf. **s°əs°ə*, **s°əj-s°əjə*
- **s°ə-jk°á* — Bz *a-s°ə-jk°a*, Abzh *a-s°ə-jk°á* 'evening-glow' (BD 54), 'black glow, clouds' (AB II: 512); ~ for **s°ə* cf. **s°-apšə*, **s°a-q°a*, **ajk°a* 'black'
- **s°əj-s°žjə* — Bz *a-s°əj-s°žj* 'turkey', Ash (AD 2) *də-s°əj-s°əj-wa* 'he is whistling'
- **s°tə* — Bz *a-s°t*, Abzh *a-s°t*, indef.sg. *s°tə-k* 'flower', Abzh also *á-s°tə-c* 'id' ('oneness'), Bz *á-s°t-ra*, Abzh *á-s°t-ra*, Ash (Aps) *s°t-ra* 'flowering', Tap (Gum1) *-s°t-ra* only in *a-k'art'óf a-qá qž-s°t-d* 'potato-its-head-became open', i.e. 'potato gave flowers'
- **s°s°a* — Bz *a-s°s°á-ha*, Abzh *a-s°s°ž-h°a* 'descr. of movement of thick smoke',

Tap (2Gum) *s's'á-h'a* 'descr. of air bubbles going up (from the bottom of swamp, from the rotten products, etc.)'

52. *ž

- *žág̥ə — SAbx (AB I: 225) *a-žág̥-ra* 'to happen (of sth unpleasent)'
- *žák'á — SAbx *a-žák'á*, Ash, Tap *žák'á* 'beard'; ~ < CCirc **ža-k'á* 'id.'
- *žáq̥ə — Bz (Zw), Abzh (Agu-B) *-žáq̥-za* 'to sit tightly (of clothes)' (Bz), 'to be too proud of oneself' (Agu-B)
- *žah̥á — SAbx *a-žah̥á*, Tap *žah̥á* 'cud, chew', SAbx *á-žah̥a-ra*, Tap *žah̥a-rá* 'to ruminate, chew the cud (as cows)'
- *žə — SAbx *a-ž-rá*, Tap *ž-ra* 'to dig', SAbx *á-ž-ra* 'ditch', *a-žž-r-ta* 'burial place, grave', Tap *žə-r-ta* 'ditch', SAbx *a-žž-ga* (-ga instrum.) 'spade'
- *žéčə — SAbx (AB I: 228) *a-žéč'* 'teenager'
- *žžə — SAbx (AB I: 226) *a-žž(-h̥a)* 'descr. of sound produced by flying, like of bee, beetle, etc.), Tap *žž-ra* 'to hum, buzz'; onomat.
- *žžə — SAbx, Tap prev-žžə 'to overflow (as water)'

53. *ž'

- *ž'a — SAbx *a-ž'a-rá*, Tap *ž'a-rá* 'to lie, decieve'
- *žaga-ća — Bz *a-žákca*, Abzh *a-žák'ca*, Ash, Tap *žagacá* 'rust', Bz *a-žákca-ra*, Abzh *a-žák'ca-ra*, Tap *žagaca-ra* 'to rust'; ~ < Oss *zga/əzga/izgæ* 'rust', *ća 'to go' or 'to turn'
- *ž'-ah̥á — Bz *a-ž'ah̥á*, Abzh (Ku) *a-ž'ah̥á*, Ash (Aps) *ž/ž'ah̥á*, Tap *žah̥á* (AbR 219), *ž'ah̥á* (Gum) '(iron) hammer'; ~ for *ž- cf. *žə-j, *ah̥a 'sword'
- *žə — SAbx *a-ž'* 'grapes', *a-žə-mžə́á* 'bunch of grapes', *a-žə-r-g̥ə-c* 'grape'
- *žə — SAbx *a-žə*, Tap *žə* 'meat, flesh', SAbx *a-ž'-r-a* 'blood relation'
- *žə-ćá — Abzh (AB I: 231) *a-žćá* 'spittle'
- *žə-s̥a — SAbx *a-žə-s̥a(-ra)* (AB I: 232), Bz *a-ž'-(a)á-s̥a* (M 25) 'flesh (of the body)'; ~ *žə 'meat, flesh'
- *žə-jə — SAbx *a-žəj*, Ash, Tap *žəj* '(black)smith', SAbx *a-žəj-ra*, Tap *žəj-ra* 'to forge'; 'smithy', SAbx *a-žəjə-r-ta*, Tap *žəjə-r-ta* 'smithy' (-r+ta 'place of')
- *žžə — SAbx *á-žž'a-ra* 'to comfort, console'
- *žə-x̥əlc̥ə — Bz (BD 230) *a-žx̥əlc̥* 'place adjacent to the hearth'

54. *z̥

- *z̥a — SAbx, Ash, Tap z̥a-bá 'ten (nonhum)', SAbx z̥a-j̥ə 'ten (hum)'
- *z̥á-č̥ə — SAbx, Ash (AD 16) z̥a-f, Tap (IX) z̥a-c 'sixteen'; ~ *z̥a 'ten', *č̥ə 'six'
- *z̥á-j̥za — SAbx z̥á-j̥za 'eleven'; ~ *z̥a 'ten', *-j̥ə 'and', *za 'one'
- *z̥-č̥a — SAbx á-z̥-č̥a, Tap z̥-č̥a 'senile appearance'; ~ *až̥ə 'old', *č̥a 'skin'
- *z̥(z̥)a — SAbx a-z̥(z̥)a-rá 'to scutch, swingle (flaz, wool, etc.)', Tap z̥z̥a-rá 'to tear in pieces', 'to harrow'
- *z̥la — SAbx á-z̥la, Ash, Tap z̥la 'seed, grain', SAbx also 'family name', 'sort, kind (e.g. of animals)'; pl. *z̥la-ra: SAbx á-z̥lar, indef. sg. z̥lará-k', Ahch á-z̥lara, Tap (IX) žlá-ra 'people, nation', Tap also 'society', 'village'
- *z̥rət̥ə — SAbx (BD 203, AB I: 238) a-z̥rət̥ə 'wooden lever' (BD), AB also 'bolt, bar, plug'

55. *š

- *ša — SAbx a-ša-rá, Tap ša-ra 'to divide, share', SAbx also 'to create', Tap ū-nə-r-ša-rá 'id.'
- *ša — SAbx a-šá 'rope, cord'
- *ša — SAbx a-šá-ra, Tap ša-ra 'dawn, daybreak', SAbx a-ša-rá, Tap ša-ra 'to come (of dawn)'
- *ša-bá — SAbx a-ša-ba-rá, Tap ša-ba-ra 'to dry (up)', SAbx also 'to be thirsty', SAbx a-šabá 'dry'
- *šáta — Bz a-šát'a-ra, Abzh a-šáta-ra (BD 107) 'to spare (e.g. smb's life)'; ~ < CCirc *šha-tħa 'to ry out, check'
- *ša-t̥ə — Bz (BD 209) a-šat̥ə-rá 'full ripening (of fruit)'
- *šá-qa — Bz a-šá-ħa, Abzh a-šá-ħa, Ash (AD 82) a-šá-qa, Tap ša-qa 'cord, rope'
- *ša-q'á — SAbx a-šaq'á-rá 'to move swiftly', Bz -šaq'-wá 'winding, bending, circling (e.g. of a snake, but also of restless movements)'; ~ *q'á 'to hit, jump in/out, etc.'
- *šaq"á — SAbx a-šaq"á, Tap šq"á 'rotten (e.g. egg), addle-egg', SAbx a-šaq"á-rá 'to become rotten'
- *ša-č̥ə — Bz -šac"-šac"-wá, Abzh (Chl) -šac"-č̥-šac"-wá 'to move quickly, to wind, bend'; ~ *č̥ə 'to turn'; cf. *ša-q'á
- *ša-ss — Bz a-šaśś, instr. šaśə-s; Abzh á-šas, Tap šsə 'deposit, pledge, security' (SAbx), 'hostage' (Tap)
- *ša-śá — Bz a-ša-śá/śá, Abzh a-ša-śá 'cord, string'; ~ cf. *śa-śa

- *šá-ša — SAbx *a-šáša* 'bright, brilliant'; ~ redupl.
- *šáčə — Bz (BD 206) *a-šáč-ra* 'device for drying millet-ears'
- *šaňa — Tap *šaňa* 'wormy, mouldering', *šaňa-ra* 'to become wormy, mouldering'
- *šá-ma-qa — Bz *šámaža*, Abzh *šámaža* 'seldom, rarely, with the rare exception'
- *šána — Abzh *a-šána* 'sth unusual, surprising' (Bz), 'prediction, perspicacity' (Abzh - AB II: 485), cf. also *a-šan-ža-rá* 'to be bewildered, stunned, stupefied' (*ža* 'become'); cf. Bz *a-našána* 'id.'
- *ša-rž-la — SAbx *a-šaržla-ra* 'to stop (of lactation period)'
- *ša-r-pə — SAbx *a-šarpž*, Tap *šarpnə* 'early morning, dawn'; ~ *ša 'dawn', -r- connective, *pə 'nose' > 'front, beginning', -nə 'time of'
- *š-awə — SAbx *a-š-áw-ra*, Tap *š-wa-ra* 'heat'; ~ *šə 'to make hot', *awə 'to get'
- *ša-j=šá-jə — SAbx *a-šaj-šáj-ra* 'to shine brightly'; ~ redupl. of *ša 'bright', *-jə 'and'
- *šə — SAbx *a-š-rá*, Tap *š-ra* 'to boil, warm up, make heated, become red (of heat)' SAbx also 'to worry, be angry', SAbx *a-šž* 'hot', Tap *š-ra* 'typhus'
- *šə — SAbx *a-šž* 'millet'
- *šə — SAbx *a-š*, Tap *šə* 'wall-eye'
- *šə — SAbx *a-š* 'white linen'
- *šə — SAbx *a-š-rá*, Tap *š-ra* 'to bark'
- *šə-t"ž — SAbx (AB II: 490) *a-št"-rá* 'to couple, pair (of dogs, swine)'
- *šž-žə — Bz (BD 173) *a-šžž*, Abzh *a-šžž* 'malaria, fever'; ~ *šə 'hot'
- *šž-sə — SAbx *a-šžc*, Ash (AD 222) *a-šžs-t"ža* 'box-tree', cf. also Abzh *a-šžs-laba* 'log made of box-tree' (*a-labá* 'log')
- *šžč"arə — Bz (U 179) *a-šžč"ar* 'reed'
- *šžšá — SAbx *a-ššá*, Fer *a-šžšž* (Kil 28), Ash (Aps) *šžšá*, Tap *šša* 'fat'
- *šžšž — SAbx *a-šš-rá* (Esh, Zw), *á-šš-ra* (AB II: 491), Fer (Kil 28), Ash (Aps) *a-šžš-rá*, Tap *šš-ra* 'to wattle', SAbx *a-šš//*(AT 47) *á-šžš* 'wattled fence'
- *šžž"-kə — SAbx (AB II: 492) *a-šžž"-k* 'disorderly, careless'; ~ *kə 'to take, catch'
- *šž-žə — Tap *šžž* 'straw'; ~ *šə 'millet', žə < *pžə 'straw' ?
- *šž-mžha — SAbx *a-šžmžha*, Fer (Kil 82) *á-mžha* 'cherry-laurel'
- *šž-la — SAbx *a-šžla*, Ash, Tap *šžla* 'flour'; ~ *šə 'millet', for *la cf. *la-ga 'to grind, mill'
- *šž-r-ža — Bz (BD 47) *a-šžrž*, Abzh *a-šžrž*, Ash (S 6) *šžrž*, Tap *šžrža* 'millet'; *šə 'millet', -r- connective
- *šžhá-rə — Bz (BD 230) *a-šžhár* 'place of junction of the jaws', also 'полка ружья'
- *š-k"ák"a — SAbx *á-š-k"ák"a*, Ash, Tap *š-k"ák"a* 'white'; ~ *šə 'white', *-k"ák"a

- intensity suf.
- **ššə* — SAbx *á-ššə-ra* 'to complain', *á-ššə-px̥əj* (AB II: 491) 'complain'
 - **šxa/ə* — Bz *á-šx* (BD 140), *á-šxa* (Dzh), Abzh *a-šxə* 'mole-cricket' (zool.)
 - **š-č̥ə-č̥ə* — Bz (Xu, Zw) *á-šč̥č̥*, indef. sing. *š-č̥č̥č̥-č̥-k'* 'husked corn-cob'; ~ **šə* 'millet', **č̥ə* 'handle', **č̥č̥ə* 'stick'; ~ *č̥* in BD 208 *a-šč̥č̥č̥* must be a misprint; ~ cf. **pšə-č̥ə-č̥ə*
 - **šhážə* — Bz *a-šháž-ra* (BD 41) 'to stun', (Axu) *-šháž-za* 'foll, not intelligent (of a man)'
 - **š-la* — SAbx *á-šla*, Tap *šla* 'grey (of hair)', *á-šla-ra*, Tap *šla-rá* 'to become grey (of hair)'; ~ **šə* 'white'

56. **š-*

- **š'a* — SAbx *a-š'a*, Ash, Tap *š'a* 'blood', SAbx *a-š'a-rá* 'bleeding', 'bloody flux'
- **š'a* — Bz *a-š'a-r*, Abzh *a-š'a-ra* (A 57) 'thing'; 'paying in kind'
- **š'a* — SAbx *a-š'a-rá* 'interdiction, taboo', 'to interdict, taboo'
- **š'a* — SAbx *a-š'a-rá* 'to crack'; ~ cf. **šš'a* 'to crack in many places'
- **š'a* — SAbx *a-š'a-rá* 'to evaluate', 'to regard, consider'
- **š'a-bá* — SAbx *a-š'a-ba-rá* 'to bleed heavily'; ~ **š'a* 'blood'
- **š'abəsta* — Bz (BD 98, 161) *a-š'apsta*, Abzh *a-š'absta* 'roe', 'chamois'
- **š'a-p"ə* — SAbx *a-š'a-p"ə*, Ash *š'a-p"ə*, Tap *š'a-p"ə* 'foot, leg'
- **š'a-p"-č̥ə-ša* — Bz *š'a-p"-č̥ə-š/č*, Abzh *a-š'a-p"-č̥ə-č* (BD 110), Ash (AbR 451) *š'a-p"-č̥ə-sa*, Tap *š'a-mxə(-c)* 'nail, claw', Ash also 'hoof'; ~ **š'a-p"ə* 'foot'
- **š'a-tá* — SAbx *á-š'ata* 'stem (of plant)', 'root', 'basis', Ash (Aps) *á-š'ata* 'root', Tap *š'a-ta* 'root', 'basis'
- **š'aga-š'a* — SAbx *á-š'agaš'a* 'news', '(way of) living', Tap *š'agaš'a* 'behaviour, manner(s)'; ~ **š'a* 'manner of'
- **š'ágə* — SAbx *a-š'ág'-ra* 'to move, dance joyfully', *a-š'ágə-r+ta* 'place for games, cheerful activities'
- **š'a-q'a* — SAbx *á-š'aq'a*, Ash *š'aq'a*, Tap *š?a* 'pillar, stanchion'; ~ **š'a* 'foot'
- **š'a-q'á* — SAbx (AB II: 494) *a-š'aq'á-waj"ə*, Tap *š?a-f"* 'pedestrian' (*waj"ə* // *f"* 'man'), SAbx *a-š'aq'á-r* 'infantry, the foot'; ~ **š'a* 'foot'
- **š'a-q'á* — SAbx *a-š'a-q'á-rá* 'to trample down', Abzh *a-š'aq'á-s-tá*, Bz also *a-š'aq'á-r-s-ta* (BD 226) 'plain' (-(r+)s+ta 'place of'); ~ **š'a* 'foot', **q'á* 'to beat'
- **š'a-c-h"á* — SAbx *a-š'ach"á* '(shoe) string', 'noose, snare, trap'; ~ **š'a* 'foot', **h"ə* 'to tie up'
- **š'áća* — Bz *a-š'áć*, Abzh *a-š'áć* '(young) grass, sward', 'turf', Tap *š'aca* 'turf', 'virgin land'

- *š'a-c°á/ə — Bz *a-š'a-c°á*, Abzh *a-š'a-c°á* (A 61), Ash (AD 218) *a-š'a-c°a*, Tap *š'a-c°ə* 'toe (except for the big one)'; ~ *š'a 'foot', *c°a 'finger'
- *š'a-c°-qá-ba — Bz *a-š'a-c°-x̄p*, Abzh *a-š'a-c°-x̄p*, Ash (AD 218) *a-š'a-c°-qəb*, Tap *š'a-c°-qaba* 'big toe'; ~ *š'a-c°a/ə 'toe', *qa 'head'
- *š'a-c°-k'ž-sə — Bz *a-š'ac°k'ž-s*, Abzh *a-š'ac°k'ž-s*, Ash *š'ac°k'ž-s*, Tap *š'ac°k'ž-s* 'the little toe, toe (except the big one)', Bz pl. *a-š'ac°k'-ára-k°a*; ~ *š'a-c°a/ə 'toe', *k'ž-a/a *'tip', *-sə dimin.suf.
- *š'a-žž — — Bz (AF 118) *á-š'až*; Abzh *á-š'až*; Ash, Tap *š'ažž* '(early) morning'; ~ *š'a 'dawn', *žž *'early'; š by assimilation with žž
- *š'as°ə — — Bz *a-š'as°ər* (BD 55, 379) // *a-š'as°ər* (BD 274), *a-š'sžra* (Esh), Abzh *a-š'sžra*, Dzhg also *a-fšžra*//*a-pšžra* 'shadow (as of the tree)'
- *š'as°ə — Bz *š'as°ə*, Abzh *š'as°ə* 'God of the smithy'
- *š'a-x°á — — SAbx *a-š'a-x°á-r* 'metatarsus', Bz also 'marrow of the small cattle metatarsus', Abzh *a-š'a-x°á* (BD 229) 'id', Ash (AD 218), Tap *š'a-x°a* 'shin-bone', 'foot/feet'
- *š'a-x°ž-r-žažə — — Bz *a-š'ažž-ržaž//a-š'ažž-ržaž*, Abzh *a-š'ažž-ržaž* (BD 47, 109) 'shin, shank'; ~ *š'a 'foot', -r- connective
- *š'a-maq'á/ə — — SAbx *a-š'a-maq'á*, Bz also (BD 123) *a-š'a-mq'ə*, Tap *š'a-maq'ə* 'cattle', cf. Fer (Kil 80) *a-š'ap'ə-maq'a* 'id'; ~ *š'a 'foot', *maq'a 'big, large'
- *š'a-m-qá — — Bz *a-š'amž*, Abzh *a-š'amž*, Ash, Tap *š'amqá* 'knee'; ~ *š'a 'foot', *qa 'head, above'
- *š'a-nə-zə — — Bz *a-š'a-nəza* 'kind of women's shoes put over the stockings'; ~ *š'a 'foot', -nə- locative, za 'be attached'
- *š'a-(n/m)-c°a — — Bz *a-š'anc'(a)*, Abzh *a-š'anc'a*, Ash *š'amc'a*, Tap *š'ac'a* 'flint'; ~ *c°a 'sharp' ?
- *š'árda — — SAbx (*a-*)*š'árda*, Fer (Kil 21) *š'áda*, Ash (AD 63), Tap (GA 195) *š'árda* (Tap also *š'ardá*) 'many, a lot'
- *š'a-wa-k'ž — — SAbx *š'aw-k'ž* 'some (people)'; ~ *wa 'similar', *-k'ž 'one'
- *š'ə — — SAbx *a-š'-rá*, Tap *š'-ra* 'to kill', imper. *d-šə* 'kill him/her (hum.)'
- *š'əq°ə — — Bz (BD 208) *a-š'əx̄* 'mint', in AF 123 *a-š'ax̄*
- *š'əc°ə — — Bz *a-š'əc°-ra*, Abzh *a-š'əc°-ra* '(to) envy'
- *š'əc°ə — — SAbx *a-š'əc°-ra* 'lock (of hair)'
- *š'ə-xə — — SAbx *a-š'ə-x-ra*, Tap *š'ə-x-ra* 'to smear, plaster, parget'
- *š'ə-n(ə-r-)ž-ha — — Bz (BD 47) *a-š'ən(də-r-)žáa* 'ankle'; ~ *š'a 'foot', *nə locative, -r- connective
- *š'-ta — — SAbx *á-š'-ta*, Ash, Tap *š'-ta* 'track, trace', SAbx, Ash (AD 43) *á-š'ta-ra* 'to look for, search'; ~ *š'a 'foot', *ta 'place'
- *š'ia — — SAbx *š'ia* 'now', Ash, Tap *š'ia* 'yes'; in the speech of the elder speakers of Psyzh Tap may be heard also *ta* 'yes'; Ash also 'well, then'
- *š'-t(')a — — SAbx *á-š'-ta-ra*, Tap *š'-t'a-z-la-ra* 'to be lying', *š'-t'á-l-ra* 'to lie'

- *š'-t(')-a+čə — SAbx á-š'-ta+čə, Tap š'-t'a+čə '(on the) back'; ~ *š'-t(')a 'ground', *-a+čə directional postposition
- *škərə — SAbx á-škər-ra 'to move winding, bending, gracefully'
- *š'-k'ə-la — SAbx a-šk'əl, Ash (AbR 427) čk'əla, Tap šk'la 'stirrup'; ~ *š'a 'foot', *k'ə 'to keep, take' *-la VRE
- *š'qa — Bz á-š'xa, Abzh á-š'xa, Tap š'qa 'mountain'
- *š'-q'a — Bz á-š'xa, Abzh á-š'xa, Ash, Tap š'q'a 'heel', Tap also 'thick end of the log'; ~ *š'a 'foot'
- *š'ca(-la) — SAbx á-š'ca-la-ra, Tap š'ca-ra 'to get used to'
- *šš'a — SAbx a-šš'a-ra 'to crack in many places', Tap a-ħi°-šš'a-ra (*ħi°* 'in two') 'to crack', Tap šš'a-ra 'crack, split, chink'; ~ gemination of *š'a 'to crack'
- *ššə — SAbx a-šš'-rá, Tap šš'-ra 'to caress (by hand)'
- *š'xa — SAbx á-š'xa, Ash (Aps) č'xa, Tap š'xa 'bee'
- *š'xə-mža — SAbx a-š'xə-mž/za 'beehive'; ~ *š'xa 'bee'

57. *š°

- *š°a — SAbx a-š°a-rá, Ash š°a-rá, Tap š°a-rá 'to be afraid, scared', SAbx a-š°á-ra, Bat (Kil 26): Fer a-š°á-ra 'fear'
- *š°a — *'hunt': SAbx (AB II: 416) áč'a-š°a-ra//ač'á-š°a-ra 'to hunt the quails' (*áč'a* 'quail'), Abzh (BSh 201) a-na-š°a=aa-š°a-ra 'to look for smb/sth in a nearby' (*na-* 'thither', *aa-* 'hither')
- *š°a — SAbx a-š°a-rá, Tap š°a-rá 'to measure', SAbx á-š°a-ra 'size, measure of longitude of height'
- *š°apə(-ja)-č'apə(-ja) — SAbx (BD 142) a-š°apəč'ap, Ahch a-š°apəj-č'apə-j 'tree plants, vegetation'; redupl.
- *š°aq'á — SAbx a-š°q'(')á, Ash š°aq'á (Kuv), š°aq'á (Aps), Tap š?əa 'document, paper (with sth written on it)', SAbx also 'book, letter'
- *š°a-rá-ča — Bz a-š°a-rá-ča-ra, Abzh a-š°a-rá-ča-ra, Ash š°a-rá-ča-ra, Tap š°a-rá-č-ra '(to go) hunting'; ~ *š°a 'hunt', -ra masdar suf., *ča 'to go'
- *š°a-rá+čə — SAbx á-š°arax 'wild animal, game', Tap š°aráč 'deer'; ~ *š°a 'to hunt', *-ra+čə suffix of deverbal nouns
- *š°ájə — SAbx a-š°áj 'female genitals', a-k"t'ə-š°áj 'chicken kloaka'
- *š°ə — SAbx, Ash, Tap š°-k'ə 'one hundred', SAbx š°ə-n+i° 'one hundred times'
- *š°ə — SAbx a-š°-rá, Tap š°-ra (IX š-ra) 'to paint', SAbx a-š°á-ga, Tap š°á-ga 'paint' (-ga instr. suf.)
- *š°ába — SAbx a-š°áb, Tap š°əb 'hoar-frost'
- *š°átha — SAbx a-š°átha 'blue spots, points'; ~ *š°ə '(to) paint'

- **s°š-t'a* — SAbx *a-š°št'a(-ra)* 'spot, bruise', Ahch *ja-š°št'a-ža* 'darkly'; ~ **š°š* 'to paint'
- **š°š-šž* — SAbx *a-š°š'-rá* 'to become dark (of sky), be covered with clouds', Bz *a-š°ašž*, Abzh *a-š°šž* (BD 222) 'cloud(y)', *a-š°šž-ra* 'shadow' (cf. with *s°!*); ~ **š°š* 'to paint, make dark, dirty', **šž* 'to smear'
- **š°ššž* — Bz (Bzp) *á-š°š'-ra* 'to paint', Ash (Aps-AD 21) *čž-j-š°ššž-wž-n* 'he painted himself'; ~ geminated variant of **š°š* 'id.'
- **š°š-rə* — Tap *š°š-r* 'wild animal'; ~ cf. **š°a* 'to hunt' (?)
- **š°šžjž* — SAbx *á-š°šžjž-ra*, Ahch *a-š°šžjž-rá*, Tap *š°šžjž-rá* (Tabulova 1984: 50 *š°šžjž-ra*) 'to damn, curse'
- **š°-p'a* — SAbx *á-š°p'a*, Tap *š°p'a* 'thick, fat'; ~ for **p'a* cf. **z°-p'a* 'id.'
- **š°-qž-mša* — Bz *a-š°-žžmš* (Bzp), *a-š°-žámš* (Garp), Abzh *a-š°-žžms*, Ash, Tap *š°-qžmsa* 'threshold'; ~ **aš°ə* 'door', **qa* 'head, front', **mša* 'corn, callosity', 'protuberance, jut'; SAbx also *a-š°-žžmza* (AB II: 516)

58. *γ

- **γa* — SAbx *a-γž*, Ahch *a-γá*, Ash *γa* 'penis', Tap *γa* 'testicle(s)', in some set-expressions also 'penis'; GA 74: 'penis'
- **γaya* — SAbx *a-γáya*, Tap *γaya* 'spread, branchy, spacious', Tap also 'fat, plump (of man)', *γaya-ra* 'spaciousness, spreadiness', Tap also 'width', 'thickness'
- **γára* — SAbx *a-γár* 'poor (man)', Tap *γar* 'prisoner'
- **γə* — SAbx *a-γ*, Ash, Tap *γə* 'hail'
- **γac'a* — Tap *γac'a-ra* 'corner', 'cover'
- **γáčə* — Bz, Abzh, Ash *a-γ'áč'*, Sa *a-γáč'*; Tap *γáč'* 'thief', Bz, Abzh *a-γ'áč'-ra*, Sa *a-γáč'-ra*, Ash (AD 8) *γ'áč'-ra*, Tap *γáč'-ra* 'to steal'; ~ in SAbx *γ'* by assimilation with *č'*
- **γazá* — SAbx *á-γaz-ra*, Tap *γaz-ra* 'to moan', SAbx also 'to join (in singing)', SAbx *a-γazá-γaz-ra* 'to sob', 'to entreat, implore'
- **γayγé* — SAbx *á-γγ-ra*, AT 19: *a-γay-rá*, Tap *γγ-ra* 'to growl, snarl (e.g. of dog)'
- **γə-ná* — SAbx *a-γ-nə-* 'winter' (in compounds), Sa *a-γ-nə*, Ash *a-γ-nə(-ra)* (AD 217), *a-γə-n-ra* (AD 222), Tap *γnə* 'winter'; ~ **γə* 'hail', **-nə* 'time, season'
- **γənc'ž* — Bz *a-γənc-k'-rá* 'to grow week of weeping', Abzh (AB I: 186) *a-γənc'-k'-rá* 'to importune, badger' (-*k'* - 'to catch, keep'), Tap (AbR 142) *γənc'-q"a-ra* 'to whimper, snivel', *γənc'-k"a* 'cry-baby, weeper'
- **γər-ʒá* — SAbx *á-γər-ʒ* (AB I: 186), *á-la-γər-ʒ* (AB I: 402) 'tear' (*la* 'eye'), Tap *γər-ʒá* 'drizzle, drizzling rain', *γər-ʒ-ra* 'to drizzle'; ~ **ʒə* 'water'

- **yba* — SAbx *á-yba*, Ash (*á*)*yba* 'ship', Tap *yba* 'train' (AbR 141)
- **ydará* — Bz *á-ydər-ra* (A 58), *a-**ydára* (AF 68), Abzh *á-ydar-ra* (A 58), *á-yda-ra* (AB I: 183) 'plateau, table-land (covered with fern, or thorny bushes)', 'plain'; ~ for *y-* cf. **aya* 'scares, scant'
- **y-šə* — SAbx *a-yš* 'a kind of tree', AB I: 185 'plane (tree)'; **y* ?, **šə* 'white'
- **yya* — SAbx *a-yyá-ra*, Tap *yya-ra* 'shoal', Tap also 'ford'
- **yra* — SAbx *á-yra*, Tap *yra* 'speckled, spotted'

59. **y*

- **y'a* — SAbx *a-y'a-rá*, Tap *y'a-rá* 'to heal, close (of wound)', cf. also SAbx *a-y'-z* 'liquid from abscess' (*z* 'water')
- **y'a-ca* — Tap *y'aca* 'hornbeam'; ~ cf. **y'az/ša*
- **y'az-k'* — Abzh (BD 104) *a-y'az-k'-rá* 'to be exhausted' (*k'* 'to catch, keep')
- **y'az/ša* — Bz (BD 40, 101) *a-y'á/ž, á-y'ay'* 'sycamore, white maple (*Acer pseudoplatanus*)', Tap *y'asá* 'maple' (1Gum), 'cedar' (AbR 143)
- **y'az-y'azə* — Bz *a-y'az-y'áz*, Abzh *a-y'az-y'áz* 'luster, brilliance, glitter', 'conspicuous, remarkable', 'beautiful', Bz *a-y'az-y'áz-ra*, Abzh *a-y'az-y'áz-ra*, Tap *a-y'az-y'az-ra* 'to shine, glitter'
- **y'a-ša* — SAbx *a-y'dš* 'bald, without hair; empty, naked, deserted (of landscape)', cf. also Tap *y'asá* 'wineskin'
- **y'a-la* — Tap *y'al* 'precipice'
- **y'arə-y'arə* — SAbx *a-y'ar-y'ár-ra* 'to rattle, jingle, sound of beating/striking (against sth)', SAbx *a-y'ar-y'ár*, Tap *y'ar-y'ar* 'rattle, clapper (SAbx: 'to frighten the birds on fields or (kitchen-)gardens'), Tap also 'descr. of the sound produced by moving transport'; ~ onomat., redupl.
- **y'ə* — Bz *á-y'-ra*, Abzh *a-y'-rá* (AB I: 189), cf. also U 129 *a-y'ə-rá*, Tap *y'-ra* 'to scold, rail, abuse, quarrel, raise voice on smb', *a-y'ə-s'a* 'abusive, expletive' (*s'a* 'talk, speech'), cf. also *a-y'al-p'ál-ra* 'to scold, rail, quarrel' (redupl.), *a-y'ap-y'áp-ra* 'id'
- **y'ə* — SAbx *a-y'ə-j* (U 129) 'strong, brave, swift', *a-y'ə* 'quick, swift', *a-y'ə-ra* 'the most part of the business', 'rapid(s) (of water)', *a-y'yá-ra* 'estate, big possessions'
- **y'-c'a* — Bz *a-y'c'á/ž* 'spit'; cf. **ž'-c'a*
- **y'y'a* — SAbx *á-y'y'a-ra*, Tap *y'y'a-ra* 'to scratch, scrape'
- **y'-ra* — Bz (BD 231) *a-y'-rə* 'bush(es)'

60. *γ°

- *γ°asə — Tap (AbR 143) γ°asə-r+ta 'wast/vacant land'
- *γ°ay°a — Bz a-γ°áy°, Abzh a-γ°áy°a 'scum, froth, film', AB I: 190 also 'standing upright, erect', in AT 20: 'peritoneum' (anat.)
- *γ°ay°a — SAbx a-γ°γ°á 'strong, hard', Ash (Psxu) wə-γ°ay°a-n 'you (male/hum) was strong' (AD 21)
- *γ°a(-γ°a) — SAbx γ°a 'to vomit' in a-čə-r-γ°a (AT 87) 'vomiting by horse' (čə 'horse'), Tap (GA 42, 74) a-γ°(a)γ°a-ra 'to hiccup'
- *γ°aha — Bz (Esh) a-γ°aha-rá 'belching', SAbx (AB I: 190) á-γ°aha-ra 'to belch'
- *γ°ə — SAbx a-γ°ə, Ash γ°ə, Tap γ°ə (Gum, Kub) 'board, plank'; in 1Ps, Tapn h°ə 'id.'
- *γ°ə — SAbx a-γ°-rā 'a special technique to even the strap, thong'
- *γ°əč°ə — SAbx (AB I: 57) áj+l-q'á=a=j+l-γ°əč° (aj+l-q'á 'clever, intelligent' < aj+l- 'from the mass', q'á 'to strike'), Tap (NTab 19) č'-γ°əč° 'clever, intelligent (of a child)' (č'a 'mouth')
- *γ°əšə — Tap γ°əš 'sharp (e.g. of dagger)' (folkl.)
- *γ°əγ°ə — Bz a-γ°əγ°-ra 'to sit listening (of small people, children)', a-γ°əγ° (AB I: 191) 'lone person'
- *γ°əxə — SAbx (AB I: 192) a-γ°əx̥-ra 'to exterminate, defeat', 'to wash thoroughly'
- *γ°ərə — SAbx a-γ°ər-ra 'to grunt (of swine)'
- *γ°γ°a — Tap γ°γ°a 'right, even, smooth', γ°γ°á-ra 'plain'
- *γ°γ°a — Sabx (AB I: 199) á-d-γ°γ°a-la-ra 'to press, hug against sth/smb' (d-prev. 'by, against', -la VRE)

61. *x̥

- *x̥a — Tap (Gum) x̥a-rá 'to create, make'
- *x̥a — SAbx áa-n-x̥a-ra, Tap h̥a-n-x̥a-rá 'to stay, remain' (aa-//h̥a- 'hither', n locative)
- *x̥a — SAbx a-x̥a-rá, Tap x̥a-ra 'to wear out'
- *x̥a — *'thread': Bz (BD 207) a-žá-pa (pa 'to weave'), Abzh a-žá-c'a (c'a 'to put') 'loop made of twisted thread', SAbx a-žáč 'piece of thread threaded a needle', 'piece of sth', Tap x̥ac 'piece of thread', 'fibre, filament' (c 'one'), SAbx a-žáč-ra 'thread skein'
- *x̥a — SAbx a-žá-p'á 'first voice (when singing)'; ~ p'a 'thin' < *č"a
- *x̥-á-ša — Bz á-žáš, Abzh á-žáša, Tap x̥áša 'wednesday'; ~ *x̥-a 'the third', *ša 'day'
- *x̥áx̥a — SAbx a-žáx̥a, Tap x̥áx̥a 'scant, thin', Tap also 'branchy'

- **χáχa* — SAbx *a-χáχa-ra* 'to scratch itself (as dog)'
- **χə* — SAbx, Ash, Tap *χ-pa* 'three' (*pa* < *ba* suf. of numerals, nonnum), SAbx *χə-n-i**, Tap *χə-n* 'three times'
- **χə* — SAbx *a-r-χ-rá*, Tap *χ-ra* 'to mow, reap, cut', SAbx also 'to exterminate, kill', SAbx *a-χ-rá*, Tap *χ-ra* 'to break/smash, chop, cut to (small) pieces', 'to mince, chop, hew, cleave', 'to pound', SAbx also 'to saw'
- **χə* — Bz *a-χ-rá*, Abzh (Otap) *a-χχ-rá*, Tap *χ-ra* 'to sharpen, grind, whet, strop'; in Otap expressive gemination
- **χə* — SAbx *a-χʃ*, Ash, Tap *χə* 'bullet'; cf. also SAbx (AT 119) *a-šχa-χʃ* 'bee's sting' (*a-šχa* 'bee')
- **χə* — Bz (IM) *a-nap'-χʃ-c*, Tap (AbR 184) *nap'-χʃ* 'nail' (*nap'* 'hand')
- **χə* — Bz *a-χʃ* 'upright, stanchion between the main beam and rafter'
- **χəʒʒ* — Bz *a-χʒʒ*, Fer (Kil 79) *a-χ(a)ʒʒ* 'feather', AB II 227 also 'fin'
- **χə-ʒʒ* — Bz *a-χʒʒ* 'white (of an egg)'
- **χʃ-č* — Bz *a-χʃč*, Abzh *a-χʃc* 'bow', AB II: 253 also 'hand (of clocks), small arrow', Ash *χəc* 'arrow', Tap (IX) *χərə-j-χʃč* 'bow' (-j- 'and'); ~ **χə* 'bullet' < 'arrow'
- **χʃ-ʒʒ* — Tap *χʃʒʒ'-ra* 'to spin, twist (thread)', IX: 'to spin in double thread'; ~ cf. **χa* 'thread'
- **χəč'a* — Tap *χəč'* 'stubble'
- **χəč'ʃ* — Tap *χč'-ra* 'to brake in pieces', Bz *a-χəč'-məč''* 'brushwood', Tap *χəč'-məč''* 'chip, sliver', cf. also Bz (IM) *a-χač'ʃ-mač'a* 'small house tools'
- **χə-zʒ* — Bz *a-χəz* (U 169), *a-χəz* (Esh, Bz, IM), Abzh *a-χaz*, Tap *χəzə* 'whey'; **χə* 'milk'
- **χə-śə* — Bz *a-χəś'-ra*, Abzh *a-χəśs'-ra*, Tap *χəśs'-ra* 'to shoot'; **χə* 'bullet', **śə* 'to hit'
- **χə-śə* — SAbx, Ash *a-χś*, Fer (Kil 28) *a-χaśa*, Tap *χśə* 'milk'; ~ **χə* 'milk', **śə* 'white'
- **χəχa* — SAbx *a-χəχa-ra*, Tap *χəχa-ra* 'to spin (thread)'
- **χə-mp'dlə* — Bz *a-χə-mp'dl* 'arrow'; ~ **χə* 'id.'
- **χə-(r-)ʒʒ* — Tap *χərʒʒ* 'nostril(s)'; ~ same as **χə-ʒʒ* 'feather' ?
- **χə-r-č'ʃ* — SAbx *a-χərč'ʃ*, Tap *χərč'ʃə* 'yoghurt'; ~ **χə* 'milk', -r- caus., **č'ʃə* '(to turn) sour'
- **χ-c'a* — SAbx *a-χc'a-ra* 'a sign (cut) on the ear of animal', Tap *a-χc'a-rá* 'to mark, stamp, brand', *χc'a-rá* 'mark'; ~ **c'a* 'to put'
- **χśə* — SAbx *a-χś*; Tap *χśə* 'hawk', Gum 'kite'
- **χə* — SAbx *a-χχ-rá*, Tap *χχ-ra* 'to cut in pieces, slice, mince', *χχʃ-rá* 'hunk, chunk, round (of bread); ~ expressive gemination of **χə* 'to mince, cut'
- **χ-maśr/ja* — Bz (BD 34) *a-χmaśr/j*, AT 66: *a-χmaśʃja*, 'specially prepared'

cheese from sheep milk'; ~ **č̥ə* 'milk'

- **č̥ma/č̥č’č̥ra* — Bz *a-č̥mač’č̥r*, Abzh *a-č̥mač’č̥r* 'little wooden ladle'
- **č̥la-r-k”ág”ə* — Abzh (BD 203) *a-č̥lark”ág”* 'iron hammer'; ~ for *k”ág”ə* cf. *a-tamš-k”ág”* 'wooden hammer'
- **č̥lá-r-č”ə* — Bz *a-č̥lámč”//a-č̥lámc//a-jč̥alámc*, Aacy *a-č̥lárc”*, Abzh *a-č̥lárc”* (BD 216) Rus 'кизильник, *Thelycrania australis*'; ~ **č”ə* 'sharpened stick'

62. **č̥*

- **č̥a* — SAbx *a-č̥a-rá*, Tap *č̥a-rá* 'to give birth; birth (of animals)'
- **č̥a* — SAbx *a-č̥a-rá*, Tap *č̥a-ra* 'to milk', SAbx *a-č̥á(-ra)* 'milch'
- **č̥a* — 'food': Bz *wač̥-č̥á* 'supper' (*wač̥* 'tonight'), Tap *č̥a-d?a* 'without food' (-d?a 'without'), cf. also **č̥a-ta-ra*
- **č̥a* — **'behind': *a-č̥á-pš-ra* 'to glance behind' (*pš* 'to look'), *a-č̥á-k’-ra* 'to hide' (*k’* 'to keep'), *a-č̥á-h°-ra* 'to turn back' (*h°a* 'to turn'); ~ a var. of **pč̥a* 'behind'
- **č̥a* — *'horn': Abzh *á-č”-č̥a* 'horn (for wine, for keeping soap foam to oil the chart's wheels)' (*á-č”* 'bull'), cf. also SAbx *a-pát-č̥* 'horn for wine', *a-č̥a-nc’əz* 'id.'
- **č̥a-ta+rá* — Bz *a-č̥atrə*, Abzh *a-č̥atrá* 'sack made of goat skin'; ~ **č̥a* 'food', *-ta+ra 'place of'
- **č̥acá* — Bz *á-č̥ac*, Abzh *á-č̥aca*, Ash (AD 222) *č̥ac-t”a*, Tap *č̥acá* 'hornbeam' (Gum), but AbR 407: 'beech', IX: 'plane-tree'
- **č̥ú-č”ərə* — SAbx *a-č̥úč”ər-ra* 'to break, to hang down being broken', 'to grow over (of skin on the wound)'
- **č̥ása* — SAbx (AB II: 259) *a-č̥ása* 'not enough boiled', 'languid, inert', *a-č̥ása-ra* 'to boil not enough', 'to wither', 'to become languid, inert'
- **č̥a/č̥əž̥* — SAbx *á-č̥a/č̥əž̥*; indef.sg. *č̥a/č̥əž̥-k’* 'jay' (zool.)
- **č̥antá* — Bz *á-č̥ant*, Abzh *á-č̥anta*, Ash, Tap (Gum) *č̥antá* 'heavy, hard', 'pregnant (of woman)'; in AbR 406: in Ash, but in RAb 513-514 also in Tap
- **č̥a-ra-č̥č̥* — SAbx (AB II: 259) *á-č̥arač̥* 'bush of the hornbeam family'; ~ cf. **č̥č̥* 'oak'
- **č̥ə* — SAbx *á-č̥-ra* 'to ache, become sick with sth', 'to happen', 'to grieve'
- **č̥ə* — SAbx *č̥ə* 'cold' in *a-č̥č̥-č̥* 'spring' (*a-č̥č̥* 'water'), Tap *č̥-ra* 'to get/become cool, cold', *č̥ə* 'cold, cool'
- **č̥ə* — SAbx *a-č̥č̥*, Ash *č̥ə//č̥-apš’* (AD 75, 76) Tap *č̥-apš’* 'gold' (*apš’* 'red')
- **č̥ə* — Tap *č̥ə* 'brocade'; ~ same as **č̥ə* 'gold' ?

- **χ̥ə-pš́á* — SAbx (AB II: 262) *a-χ̥pš́á* 'small box, case' (arch.); ~ cf. **ha-pš́á*
- **χ̥ə-q°ž* — Bz *a-χ̥χ̥°-rā*, Abzh *a-χ̥χ̥°-rā* 'to repent, be remorseful', 'to reject'
- **χ̥ə-ʒə* — SAbx *a-χ̥ʒə*, Tap (IX) *χ̥ʒə* 'gilt, gilding'; ~ **χ̥ə* 'gold'
- **χ̥ə-ʒə* — SAbx *a-χ̥ʒ*, indef.sg. *χ̥ʒə-k'*, Fer *á-χ̥əʒ*, Ash (AD 45) *χ̥əzə*, Tap *χ̥zə* 'name', SAbx also 'fame'
- **χ̥ə-z-ħa* — Bz (BB) *a-χ̥zħha*, Abzh (AB II: 267) *a-χ̥zħha* 'being behind, backward, weak'; ~ **χ̥ə* 'behind' (?), **z-ħa* 'to grow'
- **χ̥ə-s°a* — Bz (BD 55) *a-χ̥s°á* 'under-developed', Abzh (AB II: 264) *a-χ̥s°á* 'late, delayed', Tap *ħa-χ̥s°a-ra* 'to be late', *ħa-χ̥ə-r-s°a-ra* 'to delay, make late'; **χ̥ə* 'behind', **s°a* 'to fall'
- **χ̥ə-ʃə* — SAbx (AB II: 264) *a-χ̥s-řá* 'to be stained with blood', 'to become wet', *jə-χ̥šə* 'becoming wet'; ~ **χ̥ə-* prev. 'all over'
- **χ̥z-š'as̥ə* — SAbx (AB II: 268) *a-χ̥zš'as̥ə* 'white-legged (of a horse)'
- **χ̥ə-šə* — SAbx, Tap (IX) *a-χ̥-š'-rā* 'to smear', 'to touch', 'to rub'
- **χ̥ə-ħa* — SAbx *a-χ̥ħā*, Tap *χ̥ə-ħa* 'pain'; ~ cf. **χ̥ə* 'to ache'
- **χ̥ə-m-ʒə-yə* — Bz (BD 112) *á-χ̥məʒy*, Abzh *á-χ̥əmʒy* 'shame, disgrace, infamy'; cf. **χ̥ə-ʒə* 'name'
- **χ̥ə-jə* — SAbx *a-χ̥əj*, Tap *χ̥əj* 'goldsmith', SAbx *a-χ̥əj-ra* 'to gild'; ~ **χ̥ə* 'gold'
- **χ̥-ta* — SAbx *á-χ̥-ta*, Tap *χ̥-ta* 'cold(ness)'; ~ **χ̥ə* 'cold'
- **χ̥(č)a* — SAbx *á-χ̥č'a* 'shepherd', Tap *χ̥č'a-h°ž* 'guardsman', SAbx *á-χ̥č'a-ra*, Ash (AD 92) *χ̥č'a-rā*, Tap *χ̥č'a-rā* 'to guard, protect, defend', SAbx also 'to pasture, shepherd'
- **χ̥-s°dš'a* — Bz *á-χ̥-s°as̥a*, Abzh *á-χ̥-s°as̥a*, Tap *á-χ̥-s°dš'a* 'cold, cool'; ~ **χ̥ə* 'cold'
- **χ̥nərħahə* — SAbx *a-χ̥nərħahə*, AB II: 261 *a-χ̥nərħahə* 'thrush'

63. **χ̥*

- **χ̥a* — SAbx *á-χ̥a*, Tap *χ̥a* 'worm'
- **χ̥a* — Bz (BD 203) *a-χ̥á* 'pivot of the shuttle', Tap *χ̥a-tá* 'shuttle'
- **χ̥a* — SAbx *a-χ̥ž* 'hill', in place-names -(r-) *χ̥a*, Tap *χ̥a* 'mountain, hill'
- **χ̥a* — SAbx *á-χ̥a* 'anchor'
- **χ̥a/ə* — Bz *a-χ̥ž* 'handle', Abzh (AB II: 284) *a-χ̥ž-š* 'white handle' (š 'white'), Tap *χ̥a* 'handle', 'cutting (of a plant)'
- **χ̥a* — SAbx (AB II: 271) *a-χ̥a-rā*, Tap (Tabulova 1984: 50) *χ̥a-rá* 'to baste, sew by big stitches'
- **χ̥agá* — Bz (IM) *á-χ̥aga* in *jə-psħ á-χ̥aga tā-w-p'* 'he is hardly alive', Abzh (AB II: 270) *a-χ̥a(n)gá* 'hardly seen contours of sth', 'sketch', Tap *χ̥agá* 'shadow', 'silhouette'
- **χ̥á-č'a* — Abzh *a-χ̥áč'a* 'little wooden trough for feeding swine and dogs'; ~

- *č'a 'to eat' ?
- *č'ask'a — SAbx (Ax'kur 98) *a-č'ask'a-ra* 'to flee in fear'
- *č'a-šə — Tap č'aš 'snivel'
- *č'-á-ša — Bz á-č'aš, Abzh *a-č'áša*, Tap č'dáša 'friday'; ~ *č'-a 'the fifth', *ša 'day'
- *č'á-rə — SAbx *a-č'á-r* 'scoop for flour'; cf. *č'a 'to sift, bolt'
- *č'á-(r-)šə — Bz (BD 226) *a-č'árš//a-č'árč* (Kald)//*a-č'áš* (Bl)//*a-č'aš* (Kul), Abzh *a-č'arš* 'backbone (of man)'
- *č'ə — SAbx *a-č'*, Tap č'a 'price', Tap also 'authority, respect'
- *č'ə — SAbx, Ash, Tap č'-ba 'five', SAbx, Tap č'ə-s' 'five hundred'
- *č'ə — SAbx á-č'-ra, Ash, Tap č'ə-r-ta 'wound', SAbx *a-č'-rá*, Tap č'-ra 'to wound', SAbx *a-č'*, Tap č'a 'the wounded'
- *č'ə — SAbx *a-č'-rá*, Tap č'-ra 'to sift, bolt'
- *č'ápxə — SAbx (AB II: 282) *a-č'ápx'* 'big-grained, not grinded (of salt)'
- *č'ə-cə — Tap č'əc 'small, little; infant, child'; ~ for č'a cf. *č'ə-c'ə; *cə 'one(ness)'
- *č'ə-c'ə — Bz *a-č'č'ə* 'axe-handle', AB II: 278 'pedicle' (bot.), 'top (of a boot)'; ~ *č'a 'handle', *č'ə 'stick'
- *č'ə-c'ə — SAbx *a-č'(ə)č'č'*, Ash *x'əč'č'* (AD 222, Starreveld 1983: 77), *k'əč'č'* (AD 19) 'small, little; infant, child'; ~ for *č'a cf. Tap č'ə-c 'id.', *č'ə 'small, particle'; Ash *x'/k'* is obscure
- *č'ə-šá — SAbx á-č'sa, Tap č'sa 'butter' (SAbx), 'melted fat'; ~ *č'a 'butter', *ša 'fat'
- *č'ə-há — SAbx (AB II: 278) *á-č'-ha-ra*, Tap č'há-ra 'to buy'
- *č'ə-ha-č'ə — Bz *á-č'-ha-č'-t-ra*, Abzh *á-č'-aa-č'-t-ra*, Tap č'-ha-č'-t-ra 'purchase(s); to trade'; ~ *č'a 'price', *č'ha-č'a 'to take, buy'
- *č'əmar — SAbx *a-č'már-ra*, Ash, Tap *q'már-ra* 'to play, joke', Ash and Tap also 'wedding feast'; ~ *q'* in Ash and Tap is unclear
- *č'č'a — SAbx *á-č'č'a* 'long, tall, prolonged', Tap č'č'a 'slender, tall'
- *č'č'a — SAbx, Tap 'to come/go hurriedly' (only with preverbs)
- *č'-há — SAbx *á-č'aa-ra* 'to roar, bellow' (-aa- VRE)

64. *h

- *há — Abx *aa-rá* 'to come, arrive', cf. Tap *wə-ha-lá-t'* 'welcome!'
- *há — SAbx *áa-ra* 'guilt'
- *há — Ash *a-há-rá* (Aps), *ā-rá* (St. Kuv.), Tap *há-rá* 'to hear'; cf. *ahá 'id.'
- *há-bá — SAbx *áa-b-ra* 'to place, fix up, suite; to accept sth/smb, to become on good terms with smb', Tap *há-ba-rá* 'to get used to'
- *há-bə-k'á — SAbx *aabək'á* 'recently'; ~ *há 'time', *bə deictic (?)
- *há-pə-nə — SSAbx *áa-pə-n*, Tap indef.sg. *há-p-ná*, def. *áhá-pə-n* 'spring'; ~ *há

- ‘time’, **pə* ‘nose’ > ‘front’, *-*nə* ‘time of’
- **ha-psa* — SAbx *áa-psa-ra*, Tap *ha-psa-rá* ‘to become/get tired’; **ha-* ‘hither’, **psa* ‘to breath’
- **hap-k'a* — SAbx *áap'-k'-ra* ‘to go mad, become rabid’, *áap'k'*, Esh *áapk'*, Tap (IX) *ha-p-k'-rá* ‘madness, hydrophobia, rabies (of dog)’; ~ **k'a* ‘to catch, take’
- **ha-k'ə-s-k'a* — Bz *aak'əsk'a*, Abzh *aak'əsk'a* ‘recently’
- **ha-za* — SAbx *áa-za-ra*, Dzg (M 9), TuBz, Ash (AD 44) *áa-za-ra*, Tap *h(a)-za-rá* ‘to bring up, rear, raise, grow’; ~ **ha* ‘hither’, **za* ‘to reach’
- **hač'a* — SAbx *aač"á* ‘sack’
- **ha-šə* — Bz *áas* (BD 35), *aás(-ra)* (Xu, Dzh), Abzh *áas(-ra)* (Dzhg), *aás* (Ku) ‘underbrush, underwood’
- **ha-š-k'a* — Bz *aaš'á*, Abzh *aask'á* ‘recently’, ‘in the nearby’, Bz *áa-šk'a-ra*, Abzh *áa-sk'a-ra* ‘to move closer (hither)’; ~ **ha-* ‘hither’
- **ha-šəšə* — SAbx *aaš'əš'*; indef.sing (Dzhg) *aaš'əš'əš-k'*, Tap *haš'əš'* ‘badger’; ~ **ha* ‘lazy’, **šəšə* < **šə-šə* ‘piglet’
- **ha-xa* — SAbx *áa-xa-ra* ‘to beat, strike, hit (by sth)’, *aažá* ‘blow, stroke’
- **ha-m-tá* — SAbx *áamta*, Tap *hamtá* ‘time, epoch’; **ha* ‘time’, -*m-ta* ‘result of’

65. **h̥*

- **h̥a* — Tap *h̥a* ‘copper’; ~ cf. **bh̥a*
- **h̥a* — SAbx (AB II: 523) *á-j̥a-ra* ‘ambush’, Tap *h̥á-ra* ‘burrow, den, lair, nest’
- **h̥a* — SAbx *a-j̥a*, Tap *h̥a* ‘dry, withered’, SAbx *a-j̥a-rá*, Tap *h̥á-ra* ‘to become dry (up), withered’
- **h̥a* — SAbx *a-j̥á*, TuSAbx *a-j̥á* ‘wine’, Tap *h̥a-za/ə* ‘traditional strong drink’ (*ʒə* ‘water’), SAbx *a-j̥á-š'-ra*, Tap (Ps2) *a-γ̥-š'-ra* ‘to get drunk’ (**šə* ‘to kill’)
- **h̥a* — SAbx *a-g̥-j̥á-ra*, Tap *g̥ə h̥a-rá* ‘to think, suppose, suspect’ (*g̥ə* ‘heart’)
- **h̥abž'a* — Bz *a-j̥abž'a*, Abzh *á-j̥abž'a* (AB II: 521), Tap, Ash (AD 222) *h̥abž'a* ‘faded, yellowish’ (SAbx), ‘dark-grey; brown’ (Ash, Tap); ~ < CKab **γ'a-bžä* < CCirc **γ'a-bč'a* ‘id.’ (**γ'a* ‘yellow’)
- **h̥a-dá* — SAbx *á-j̥a-da* ‘upwards’, ‘north(wards)’, *á-j̥a-da-ra*, Tap *h̥a-dá* ‘slope, hill-side’, Ash *h̥a-da* ‘upward’; ~ **h̥a* ‘up(wards)’
- ***h̥a-za* — SAbx (AB II: 522) *a-j̥áza* ‘ring of the gun barrel’
- **h̥-á-za* — Bz *a-j̥áz*, Abzh *a-j̥áza*, Tap *h̥áza* ‘twins’, in SAbx usu. of animals; ~ **h̥-a* ‘twice’, **za* ‘attached to’ (?)
- **h̥a-za* — SAbx *a-j̥áza* ‘dirt (of liquid, fat, wine, etc)’ (Bz: Esh), ‘birth-mark’

- (Abzh: Ku), 'spots on face' (AB II: 522); does *a-j°áza* 'shabby, frayed, thread-bare' also belong here?
- **h°ažə* — SAbx *a-j°áž'*, Ash, Tap *h°až'* 'yellow'; ~ < CCirc **y°a-žə* 'id.'
 - **h°-a-ša* — Bz *a-j°áš*, Abzh *a-j°áša*, Tap *h°aša* 'Tuesday'; ~ **h°-a* 'the second', **ša* 'day'
 - **h°aš'a* — SAbx *a-j°áš'a-ra* 'to confuse, take sth for another, be mistaken', Tap *h°aš'a-ra* 'to loose way; to be mistaken'; ~ < CCirc **y°aš'a* 'id.', or from **h°-a* 'second', **š'a* 'to regard, consider, think', and then CABx > CCirc (?)
 - **h°á-n/rtxə* — Abzh *a-j°á-ntx'*, Tap *h°ártx'* 'very dry, dried up'; ~ **h°a* 'dry'
 - **h°arə* — SAbx *a-j°ár(-ʒ)* 'stream, torrent (made by rain)' (ʒə 'water')
 - **h°a-r-dažə* — SAbx *a-j°ardáž* 'teen-ager'
 - **h°ə* — Tap *h°ə* 'man'; cf. **wa-h°ə*
 - **h°ə* — SAbx *a-j°-rə*, Tap *h°-ra* 'to write', SAbx *a-j°á-ra*, Tap *h°á-ra* 'manuscript', 'writing'
 - **h°ə* — SAbx *á-j°-ra*, Ash, Tap *h°-ra* 'to run'
 - **h°ə* — SAbx *a-j°-rá*, Tap *h°-ra* 'to shake/beat up'
 - **h°ə* — SAbx *j°-ba*, Ash (AD 61) *j°ə-ba*, Tap *h°-ba* 'two (nonhum)', SAbx, Ash *j°-ž'a*, Tap *h°ə-ž'* 'two (hum)'
 - **h°ə* — SAbx *a-j°* 'clothes-moth'
 - **h°ə-ba* — Tap *h°ba-rá* 'to foam'; ~ **h°ə* 'to shake/beat up'
 - **h°ə-t"ə-h°ə-sə* — Tap *h°əč"h°ás* 'man, human being', pl. (GA 124)
a-*h°əč"h°-ára-k°a* (-ára, -k°a pl. suffixes); ~ **h°ə* 'man', -*t"ə* attrib. suf., *-*h°ə* agentive suf., *-*sə* diminutive suf.; cf. **wa-h°ət"ə-h°ə-sə*
 - **h°č-c'a* — SAbx *a-j°č'a//a-j°č'-ra*, Abzh *a-j°č'-ra*, Ash (Kondzh 27), Tap *h°č'a-ra* 'arm-pits'
 - **h°č'a* — SAbx *a-j°č'a-ra*, Tap *h°č'a-ra* 'to dress up', Tap also 'to load (the weapon)', SAbx *a-j°č'a* 'well-dressed', Tap *h°č'a* 'dressed', 'loaded (of gun)'
 - **h°əza* — SAbx *a-j°áza* 'friend, comrade', 'like, similar', Ash (AD 54) *j°áza*, Tap *h°za* 'companion, fellow-traveller, colleague'
 - **h°əžə* — Bz *a-j°əž-rá* (BD 41), *a-j°əž'-ra* (Axu), *a-j°əzə-ra* (BD 209), Abzh *a-j°əzə-ra* (BD 209) 'glassy, smooth surface', Tap (IX) *h°zə* 'slippery', *h°(ə)z-rá* 'to slip'
 - **h°əzə* — Bz *-j°əzz-žá*, Tap *h°əz-žá* 'big, great hulking fellow' (geminate zz is emphatic)
 - **h°ənə-psá-ga* — Bz *a-j°əmság*, U 69 *a-j°nəpság*, Abzh *a-j°əmság*, sometimes also *a-h°əmság*, Ash *h°əmsarga*, Tap *h°əmsága* 'bezom, broom', in SAbx also a kind of millet they do bezoms of; ~ **h°əna* 'home', **psa* 'to sweep', *-*ga* instr; -*r-* in Ash is caus.
 - **h°ə-m-ha* — SAbx *a-j°ámaa* 'nine- or thirteen-stringed harp'; **h°ə* 'two', **am-ha* 'handle'

- **h^oənd* — SAbx *a-j^onə* 'house, home', Ash (AD 52, 69) *h^o(ə)nə* 'home', Tap *h^ona* 'house, home, hut' (AbR, 197), 2Ps: 'summer kitchen'
- **h^oənc^oə-šə* — Bz *a-j^oənc^oəš*, Abzh *a-jənc^oəš* (BD 113) 'lizard', cf. Tap *arcəš*, indef.sg. *arcəš-k'* 'id.'
- **h^oə-rəžə* — Bz *a-j(°)rəžə*, Abzh *a-jižə* 'little ceramic jug'; ~ **h^oə* 'wine'

66. **h*

- **ha* — SAbx *a-há*, Ash, Tap *ha* 'pear'
- **ha* — SAbx *a-ha-rá* 'to hear', 'to smell, feel'; cf. **ha* 'id'
- **ha* — SAbx, Ash, Tap *Prev-ha-ra* 'to fall'
- **ha* — SAbx *a-ha-rá* 'to weave', 'to put (?) (a trap, noose, snare)', 'warp' (text.), Tap (GA 87) *ha-ra* 'warp'
- **ha* — 'high', 'tall', 'long': SAbx *a-z-ha-ra* 'to grow up', 'become bigger' (z- version prefix), Tap *ha-há* 'tall, high', cf. also **ha-ra-k'*
- **ha* — '*'stone', cf. **ha-q^oə*, **ha-q^o'a*, **ha-mp'ala-žə*, etc.
- **hada-hadá* — SAbx (AB II: 285) *a-had-hada-rá* 'to be loosely tied up, stuck into'
- **ha-pšə* — SAbx *a-hapšə* 'big ceramic jug buried till its mouth into the ground'
- **hadwa/ən* — Bz (BD 100) *a-hat/dg^oən* 'a pavilion, monument over a grave', Sa *a-hadwán* 'cemetery'; ~ < Ad *hadă-wənă* 'sepulchre, morgue' (*hadă* 'corpse', *wənă* 'house')
- **haká* — Tap *haká-rá* 'to puff, pant'
- **haká-psá/žká* — SAbx *a-hak'-psák'-ra* 'to puff, pant', Tap *haká-psák'a-ra* 'hastily, hurry-scurry'
- **ha-q^oə* — Bz *a-žáh^o*, Abzh *a-žáh^o*, Ash, Tap *ha-q^os* 'stone'; ~ **ha* 'stone', for **q^oə* cf. **ba-q^os*
- **há-q^o'a* — SAbx *a-há-q^o'a*, Tap *há-q^o'a* 'flat stone to grind spices on' (SAbx), 'flat pebble in a children's game'; ~ **ha* 'stone', **q^o'a* 'flat'
- **ha-(čə-)pə* — SAbx *a-hapə*, Tap *hačpə* 'cave'; ~ **ha* 'stone', **pə* 'nose' > 'front', **č-pə* 'breast'
- **ha-c^oə* — SSAbx *áac^o* 'mistletoe' (AB I: 26: especially on pear trees), cf. also Bz *a-háac^o(°)*, Abzh *a-haac^o* 'Viscum album' (BD 223); ~ **ha* 'pear'
- **há-šə* — SAbx *a-há-ša*, Tap *ha-š* 'white clay'; **ha* 'stone', **ša* 'white'
- **haš-hášə* — SAbx *a-haš-haš-ra*, Tap *haš-háš-ra* 'to be short/out of breath'
- **h-áh^oa* — SAbx *a-h-áj^oa-ra* 'narrow stone hollow, depression'; ~ **ha* 'sone', **ah^oa* 'hollow'
- **hahá* — SAbx (AB II: 292) *a-haha-rá*, Tap (IX) *hah-rá* 'to gorge, guzzle'
- **hampá* — Bz (BD 230) *á-hamp* 'the layer of furn under the reed roof of the covers for animals'

- **hamp'ála* — SAbx *a-hamp'ál*, Ash, Tap *hamp'ál* 'round boiled dumpling', SAbx also 'fig'; ~ **ha* 'stone', **mp'al* 'round' ?, cf. **ha-mp'ala-ž'*
- **ha-m-p'+lá-žə* — Bat SAbx (Kil 77) *a-hamp'aláž/k'* 'round stone to grind the spices by', Ash *hamp'láž* 'cobble-stone', Ash (Aps) also 'fig', Tap (AbR 410) *hamp'láž* 'cobble-stone', 'mortar'; ~ **ha* 'stone', **m-p'+lá-žə* 'to crumble in small particles'
- **ha(-rá)* — SAbx, Ash, Tap *ha(-rá)*, Sa also *ha-r* 'we'
- **ha-ra-tə* — SAbx *ha-r-t* 'we'
- **ha-ra-k'ə* — SAbx *á-ha-ra-k'-ra* 'to lift up, high', *á-harak'(ə)*, indef.sg. *harak'ž-k'*, Tap *harak'ə* 'tall, high'; **ha-ra* 'height', **k'ə* 'to catch, take, keep'
- **ha-r-ž'álə* — Bz (BD 308) *a-harž'ál* 'road metal'; ~ **ha* 'stone', -*r-* connective
- **ha(j)-haj* — SAbx *a-haháj*, Tap *ha(j)-háj* interj. of encouragement

67. **h**

- **h°a* — SAbx *a-h°á*, Ash, Tap *h°a* 'swine'
- **h°a* — SAbx *á-h°a-ra* 'to ask, prey smb'
- **h°a* — SAbx *a-h°a-rá*, Tap *h°a-rá* 'to say, tell'
- **h°a* — SAbx *a-h°a-rá*, Tap *h°a-rá* 'to comb (hair)'
- **h°apsa* — Tap *h°aps* 'bayonet'; ~ **aħ°a* 'sword'
- **h°ag°žžə* — SAbx *a-h°ag°žž* 'big chain'
- **h°a-q'á* — SAbx *a-h°áq'á* 'naked (usu. of belly)'; ~ **q'á* 'flat'
- **h°aza* — SAbx *á-h°aza-ra* 'to crawl, creep along'
- **h°a-sa* — Abzh *a-h°asá*, Tap *h°a-sa* 'alycha', Tap also 'prune'; var. of **pħ°a-sa*
- **h°a-sa-ga* — Bz (BD 202) *a-h°ásag* 'wooden hammer to drive a wedge'; ~ *-*ga* instr.
- **h°a-sa-pa* — Bz *á-h°žba*, Abzh *á-h°žba*, Bat (Fer) also *á-q°žba* (Kil 23), Tap *h°aspá* 'knife'; **aħ°a* 'sabre', *-*sa-pa* 'small of'
- **h°ašha* — SAbx (AB II: 298) *a-h°ašha* 'carbuncle' (med.)
- **h°axə* — SAbx (AB II: 298) *a-h°áx-ra* 'to put too much salt'
- **h°a-ra+žə* — Bz (Axu) *a-h°aráž* 'insides of the body' (-*ra-ž* suf. of deverbal nouns)
- **h°-ħa(-da)* — SAbx *a-h°áa* (BD 221), *a-h°aá* (AB II: 293), Sa *a-h°aadá* 'border, boundary'
- **h°a/ənt'/da* — Bz (Axu, Zw) *a-h°ant'áq'á*, Esh *a-h°ənt'áq'á* 'naked' (*q'á* 'flat'), Esh: of a child
- **h°ə* — SAbx *a-h°-rā*, Tap *h°-ra* 'to graze, pasture', SAbx *a-h°ž-r-ta*, Tap *h°ə-r-ta* 'pasture', cf. also Tap *h°-ra* 'grass'
- **h°ə* — SAbx *a-h°-rā*, Tap (GA 44) *h°-ra* 'to roll/curl up, turn, be twisted', SAbx *a-h°ž*, Tap (GA 83) *h°ə* 'crooked, rolled up, curled'
- **h°ž-pšə* — SAbx *a-h°žpš* 'lawn'

- **h°ə-sə* — Bz *a-h°ə-s*, Abzh, Ash *a-h°ə-s*, Tap *h°ə-s* 'calf', pl.: SAbx *a-h°-ára(-k°a)*, Tap *h°-ára(-k°a)*; ~ *-sə diminutive suf.
- **h°ə-g°ə* — SAbx *a-h°ág°(-ra)* 'knob, protuberance (of a place)'; ~ **h°ə* 'to roll(curl up', **g°ə* 'surface'
- **h°ə/a-s-ta* — Bz *a-h°əs-tá* 'field after harvesting with stubble', Ash, Tap *h°asta* 'long fallow'; ~ **h°ə* 'to pasture', *-ta 'place of'
- **h°ə-s°-ta* — Bz *a-h°(r)əs°/s°t*, Abzh *a-h°ás°ta* (BD 227) 'a ritual wooden construction on four poles on which the body of the man killed by lightning was placed', 'sleeping-place in the shepherd hut on four poles'
- **h°əsə* — Bz *á-h°a/aš*, Abzh *a-h°əs* (BD 226) 'hollow, depression', Ku *a-h°əs* 'mountain lawn', *a-h°əs-ta* (AB II: 304) 'hollow, gorge'
- **h°əxə* — SAbx *a-h°əx-ra* 'to dishevel, make in disorder'
- **h°əh°á* — SAbx *á-h°h°a-ra*, Tap *h°h°a-rá* 'to shout, yell, speak very loudly', Ash (Aps) *wə-h°əh°á* 'you (male/hum) cry/shout !' (AD 21)
- **h°əh°ə* — SAbx *a-h°əh°*, Tap *h°əh°* 'pigeon, dove'
- **h°əh°áj-k°ə* — SAbx *a-h°əh°áj-k°-ra* 'to be paralised'; ~ **k°ə* 'to catch'
- **h°ə-mp'ələ* — SAbx *-h°əmp'əl-za* 'rounded (of belly)'
- **h°əmp'ərč'əzə* — Bz (BD 52) *a-h°əmp'ərč'əz-ra* 'to be naughty'
- **h°əmsə* — Bz (BD 109) *a-h°əmsə* 'a kind of bush in the Alpine zone'; a var. of **q°əmsə*
- **h°ə-m-sa-ga* — Bz (BD 35) *a-h°əmśág* 'jack-plane'; ~ *-ga instr.
- **h°ən-apə* — SAbx *a-h°ənap*, indef.sg. *h°ənapə-k*, Tap *h°ənap* 'mouse', SAbx also 'rat'
- **h°ən-g°ə* — Ash (AbR 414) *h°ən-g°ə* 'rat'
- **h°ə-n-da-žə* — Bz *a-h°əndáz* 'naked'; cf. **h°a/ənt'/da*
- **h°ənč"ará* — Bz *a-h°ənč"ará* (Axu), *a-h°ənč"rə* '(Dzh-BD 207), Abzh *a-h°ənč"rā* (A 61), Ash *h°ənč"rá*, Tap *h°ənč"rá* 'button', Tap 'fastening, hasp'
- **h°ənč"ə/á* — Bz *a-h°ənč"ə*, Abzh *a-h°ənč"á*, Tap *h°ənč"ə* 'dirt, mud'
- **h°ənč"ə* — SAbx *a-h°ənč"á-ra*, Tap *h°ənč"ə-ra* 'to capture, plunder, rob, steal', SAbx also 'to bind, tie up tightly'; ~ < CCirc **χ°ən-č"ə* 'id.'
- **h°əjə* — SAbx *a-h°əj(-ra)* 'weeds, undergrowth'
- **h°-č"ə* — SAbx *a-h°č"ə* 'breast, front part of a horse'
- **h°h°a* — SAbx *a-h°h°a-rá* 'to rake up/together'
- **h°h°a* — Tap *h°h°a-ra* 'to tan (leather)'

68. **m*

- **ma* — SAbx *ma* 'or, or else', *ma ... ma* '(n)either ... (n)or', Tap *ma* 'but'
- **ma* — SAbx *á-ma(-z-aa)-ra*, Ash *ma-za-rá//á-ma-za-ra*, Tap *á-ma-z(-l)a-ra* 'to have, possess'; a sem. deriv. of **ma* 'hand'

- *ma — *'hand', cf. *ma-p^ož, *ma-č^oa, etc.
- *ma-p^ož — SAbx a-nap'ž, Ash mp^ož, Tap nap'ž 'hand'; ~ *ma 'hand'
- *ma-dá — SAbx á-ma-da-ra 'to trust, charge, commission'; ~ *ma 'hand', *da 'to lead'
- *matá — SAbx á-mata 'piece, strip of field to be ploughed or hoed'
- *máta — Abzh a-máta-ra 'a term referred to processing wool'
- *ma-tá — SAbx á-mta 'present', a-mata-r-bá-ga 'bridegroom's present to his bride' (r-ba 'to show', -ga instr. suf.); *ma 'hand', *ta 'to give'
- *ma-tá — SAbx á-mta, M 56 a-mat, indef.sg. matá-k' 'handle'; ~ *ma 'hand', *ta 'location'
- *matž — SAbx á-mat, indef.sg. matž-k', Ash matž 'snake'
- *mat^oa — SAbx á-mat^oa 'clothes', Ash a-mat(^o)a, Tap mač^oa 'plates and dishes', 'instrument(s)'
- *mat'anájə — SAbx (AB I: 432) á-mat'anaj-ra, Bz also a-mat'anəj-ra (BD 396) 'to bow', 'to ask, prey', Bzp 'to mumble, mutter'; ~ *na-jə 'to go there' (?)
- *mat'žjə — Bz á-mat'žjə 'drizzle', AT 43 'nectar', cf. also mat'žjk'a 'melted wax', metaphorically: 'state of a man under the influence of evil eye'
- *mák'a — Bz a-mák'(a), Abzh a-mák'a, Ash, Tap mak'a 'whetstone'
- *ma-k'ž — SAbx á-ma-k'-ra 'to argue, make a stand for'
- *ma-k'á(-na) — SAbx (AB I: 426) mak'á(-na) 'not yet, so far, as yet'
- *ma-qá — Bz á-maža, Abzh á-maža 'joint of arm' (Bl), 'thigh, haunch' (BD 60, AB I: 433), 'pommel', 'arm' (AB I: 433), Tap maqa 'arm; shoulder with forearm'; ~ *ma 'hand', *qa 'head'
- *ma-q^ož — Bz á-maž^o, indef.sg. maž^ož-k', Abzh á-maž^o, Ash maq^ož 'twig'; ~ *ma 'hand'
- *ma-q^ož-da — Bz á-ma/əž^o-ta, Tap maq^o-da 'twig'; ~ cf. *ma-q^ož
- *ma-q^ož-č'á — Bz (BD 65) a-maž^oč'ž 'arm', Tap maq^oč'á 'wrist'; ~ *ma 'hand', *č'á 'mouth', 'surface'
- *maq'á — SAbx a-maq'á, Ash maq'á, Tap m(a)?á 'girdle, belt'
- *maq'á — SAbx: (AB I: 427) a-maq'á, AT 43 á-maq'a, AT 25 maq'ž 'old (of animals)', Tap maq'ž 'strong, powerful, big, great'
- *maq'a-č'a-h'á — SAbx a-maq'č'aḥ'á-ra, Ash (Kondzh 27) mq'ač'aḥ'á-ra, Tap m?ac'ah'a-ra 'waist, loins'
- *macá — SAbx á-maca-ra, Ash (AD 82) maca(-ra) 'only, just, single', Tap (AD 48) mc(ə)ra 'empty'
- *mác'a — SAbx a-mác'a, Tap mac'a 'locust', 'insatiable, gluttonous'
- *ma-c'k'ára — Bz (Bzp) a-mack'ár, Abzh (AB I: 435) a-mac'k'ár 'splinter'
- *mažá — Bz á-maža, Abzh á-maza, Tap maza 'secret, mystery'
- *mažá — Bz (BD 47) á-maža-j^ož, M 56 a-maža-j^ož, Abzh a-maza-j^ož 'carpenter, master', Bz (BD 47) a-maža-ra 'carpentry'
- *ma-č'á-zə — Bz a-mač'áz 'ring; thimble'; ~ *ma-č'á 'finger', *-za 'attached to'

- *ma-č'-k'ž-sə — Bz *a-nač'k'ž-s*, pl. *a-nač'k'-ára-k'a*, Ash (AD 218) *mač'k'ž-s*, Tap *mač'k'ž-s* 'the little finger'; ~ *ma-č'a 'finger', *-sə 'small, little'
- *ma-č'-qá-ba — Bz *a-nač'žab*, Ash (AD 218) *mač'qab*, Tap *mač'qaba* 'thumb'
- *mač'ž-sə — Bz á-mač'əs-ra, Abzh á-mač'əs-ra, Tap *mač'əs-ra* 'to flash (of lightning)', Bz á-mač'əs, Abzh á-mač'əs 'lightning'; ~ *sə 'to beat, hit'
- *mač'a — Bz á-mač', Abzh á-mač' 'service', Bz *a-mač'-wə-rá*, Abzh *a-mač'-wə-rá*, Tap *mac'awəra* 'to serve; service' (*a-w-rá* 'to do'), Tap 'to cook' *a-mač'-wə-r-t* (BD 51)//*a-mč'-wž-r-ta*, Abzh *a-mač'-wž-r-ta*, Tap (Ps) *mac'a-wž-r-ta* 'kitchen' (in SAbx 'separate from the main house'); ~ *ma 'hand' (?)
- *mač'ž — — SAbx á-mač' 'twig without leaves', in Lyx also 'the broken end of the twig', M 58 'young twig'; ~ *ma 'hand', *č'ə 'sharpen stick'
- *maž'ána — Bz *a-maž'ána* 'naughty (child)', AB I: 437: 'slow(-witted)', Tap *maž'an* 'naughty (child)', 'hooligan'
- *ma-čá-q'ə — Bz (BD 65) *a-mačáž*, Abzh (AB I: 436) *a-mačáž* 'pumice-stone', AB I: 436 also 'tartar, scale' (BD 441 *a-mač'áz*)
- *mač'a — Bz *a-mač'a*, Abzh (AB I: 436) á-mač'a 'palm', 'span'; ~ *ma 'hand', *č'a 'mouth' > 'surface'
- *mač'arəja — Bz (Dzh) *a-mač'arəja* '(biting) midges'
- *máč'ə — SAbx *a-máč'*, indef.sg. *máč'ə-k'* (U 97), Ash, Tap *ma/eč'* 'little; a little, a bit'; *e* in Ash and Tap expresses diminutiveness
- *mač'q'əj-k'ə — SAbx (AB I: 436) *a-mač'q'əj-k'-ra* 'to be paralysed (of limbs)'; ~ *k'ə 'to seize'
- *ma-za — SAbx *a-máza-ra*, Ash (Aps) *maza-rá* 'wealth, big amount of (valuable) possessions'; ~ *ma 'to have' (?)
- *mazájə — SAbx *a-mazáj* 'ready, prepared', á-mazaj-ra 'to be ready, prepared'
- *maz'á — Bz á-maz'a, Abzh á-maz'a, Ash *maz'á-za*, Tap *maz'á-za* 'dough' (ža 'raw')
- *maz'á — Bz *a-mz'á*, Abzh *a-mz'á* 'mulberry', Tap (1Gum) *məš maz'á* 'ashberry' (*məš* 'bear')
- *ma-š'ə-ra — Bz á-maš'er, Abzh á-maš'er 'accident'; ~ *š'a 'to fall', *-rə suf. of deverbal nouns
- *ma-žə-q'ə-l-c'ə — Bz *a-ma/əšžəlc'//a-məžžəlc'* 'elbow'; ~ *ma 'hand', *žə 'meat, flesh', *q'ə 'crooked, bent', á-l-c'-ra 'to go out'
- *máš'a — SAbx *a-máš'a*, Tap *maš'a* 'pit, hole, trench'
- *maš'ána — SAbx *a-mšán*, sometimes also *a-mašán*, Fer (Kil 28) *a-maš'na* 'sea'
- *m-ayrá — SAbx *a-mayrá*, Tap *məyrá* 'sleeve'; ~ *ma 'hand', *ayəra 'inside'
- *máxčə/a — SAbx *a-máxč*, Ash, Tap *mač'a* 'camel'
- *ma-č'á — SAbx *a-ma-č'á-r*, Ash *mač'á* 'arm'; ~ *ma 'hand', *č'a 'handle'
- *ma-há — SAbx á-maa, Tap *mħa* 'handle'; ~ *ma hand'
- *ma(ha)qára — Bz *a-maažér*, Abzh *a-maažér* 'blackberry', Ash *maqər* 'currants'

- **mañamaj* — SAbx *maamɔj* 'bad, dirty' (SBL)
- **mañɔ* — SAbx, Ash *á-mañ*°, indef.sg. *mañɔ-k*', Bz also *á-məñ*° (A 62, DA V: 10), Tap *mñɔ*, def. *a-mñ*° 'bridegroom', 'brother/son-in-law'
- **malá* — SAbx *a-malá*, Fer (Sam) *á-mala-ña* 'for free; uselessly', SAbx *á-mala* 'uselessly', 'alone, by oneself'
- **malá* — SAbx *á-mla*, Ash (AD 70) *á-mala*, Tap *mla* 'hunger'
- **malmɔć'ɔ* — Bz *a-malmɔć*' 'a kind of hawk', AT 12: *ábay' malmɔć*' 'a type of he-goat' (Rus 'козел-стрекоза')
- **ma-nɔ-za* — Bz (BD 276) *a-manáza* 'shield, cuirass'; ~ **ma* 'hand', *-*nɔ-za* 'attached to' (cf. *a-nɔ-z-aa-ra*)
- **ma-n-ś'á-la* — Bz *á-mans°ala-ra* 'luck', *a-ma-n-ś'a-la*, Abzh *a-ma-n-ś'á-la* 'handy, useful'; ~ **ma* 'hand', -*n-* locative, *ś'a* 'to fall', *la* VRE
- **mará* — Bz (BD 54, 141, 277) *á-mra//á-mər(a)//á-mara*, Ahch, Ash (AD 5) *á-mara*, Tap *mará* 'sun'
- **má-ra* — SAbx (BD 230) *a-mára* 'inefficiency, unproductiveness' (Bz), 'efficiency, productiveness' (Abzh), cf. also Bz *mar* *ś'á-ma-w-p*' 'you have *mar*' (a greeting to the ones who are eating), Bz *á-mara-ra* 'ability, capacity', SAbx *a-mára-ra* 'slowness', *már-h'a-ra* 'greeting to the weavers' (*a-h'a-rá* 'to say'), if they are not different roots; ~ **ma* 'hand', -*ra* abstract suf., cf. Engl. *hand-y*, Dutch *hand-ig*
- **mára* — Bz (BD 204) *a-mára* 'piece of squared beam to make shingle or planks of'
- **marəmaža* — SAbx *a-marəmaža* 'fertile, fecund'
- **mara-h'ɔ* — SAbx (AB I: 429) *á-marah°-ra* 'to shirk, elude', 'to escape (of animals)'; ~ **h'ɔ* 'to turn'
- **mar-dá* — SAbx *á-marda* 'slope upgrade, rise, hill', Ash, Tap *marda-ra* 'height' (Tap), 'steepness' (Ash); ~ **da* directional suffix, cf. **la-da*, **h'a-da*
- **már-k'a* — SAbx *a-márk'a* 'shuttle' (text.); ~ cf. **mar-ša*
- **márč'ɔ* — Bz *a-márč'* 'rock'; ~ cf. **mar-da*
- **márč'ɔ* — Abzh *a-márč'* 'kind of plant, Rus 'чистец весенний, *Ficaria verna*', BD 216, 307: 'weeds', AB I: 431: Rus 'лютик едкий'
- **már-ša* — Bz (BB) *a-már-ša*, Abzh (BD 203) *a-mársa* 'pivot of the shuttle'; ~ cf. **mar-k'a*
- **márš'a-k'ɔ* — SAbx *a-márš'ak'-ra* 'care, attentiveness'; ~ **k'ɔ* 'to seize'
- **m-áry'a* — SAbx *a-máry'a* 'squint(-eyed)'; ~ *m* 'negation', *áry'a* 'right'
- **ma-r-já* — SAbx *á-marja* 'cheap, easy, lucky, convenient', Tap *majrá* 'easy, without difficulty'; ~ **ma* hand', -*r-* caus., **ja* 'to lie'
- **ma(-wɔ)-ma-wɔ* — SAbx *mamáw*, *mawmáw*, Tap *mamáw//mmaw* 'no'; ~ **ma* 'negation', -*wɔ* adverbial suf.
- **majdá* — SAbx (AB I: 439) *á-majda* 'with content, awareness of smb'
- **máday'ɔ-č'a* — Bz *a-máday'č'a* (Xu), *a-máday'č'* (A 60), Abzh (A 60) *a-máday'č'a* 'shell of the snail'; ~ **č'a* 'skin'

- **matha-g°ə-śə* — Bz (BB) *a-máthag°śś* 'strong worry, grief', *a-máthag°śś-ra* 'to weep beating oneself on the head (in a sign of deep grief)'; ~ **g°ə* 'heart', **śə* 'to beat'
- **máq”ə* — SAbx (AB I: 459) *a-máq”* 'lump, knob, growth (on the body)'
- **mæc-q”ə* — Bz *á-m(a)cčə*, Abzh *a-mcxə*, Bat (Sam) *á-mæcčə* 'extra, superfluous, unnecessary', Bat (Kil 81) 'more', 'much'
- **mæc’ə* — Bz *a-mæc'*, U 76 *a-mæc'*, Abzh *a-mc'* 'fly'
- **mæjə* — Bz (BD 208, 442) *a-m(a)jə* 'bottle-pumpkin'
- **mæčə/á-ša* — Bz *a-mčəś*, Abzh *a-mčəša*, Ash (AD 92) *mæčaša*, Tap *mčá-ša* 'sunday'; ~ **ša* 'day'
- **mæč’ə* — SAbx *a-mč'*; indef.sg. *mč’ə-k'*, Tap *mč’ə* 'force, strength, power', 'difficult', 'angry'
- **mæč’ə-qə* — Bz (BD 61, 279) *á-m(a)c’-čə-ra*, Abzh *a-mč’-čə-ra*, Tap *mač’-qa-ra* 'power, strength, force', Tap *mač’-qa* 'strong'
- **mæz/zə* — Bz, Abzh *á-mza*, indef.sg. *mæz-k’ə*, Fer *á-mæz/zə*, Ahch, Ash (Kuv-AD 44) *á-mæz*, Tap *mzə*, def. *a-mæz* 'moon'
- **mæzg”ətə* — SAbx (AB I: 458) *a-mæzg”ətə* 'one of the branchings of the tree trunk', 'mast'
- **mæša* — Bz (Axu) *a-mæša* 'smb who is an object of (evil) mocks'
- **mæšk’ə* — Bz (BD 37) *a-mæšk’ə* (*sap’án*) 'kind of soap'
- **mæž-dá* — SAbx *á-mæžda*, Tap *mæžda* 'unhappy, poor, miserable', SAbx also 'mischievous, dare-devil, bad', cf. also Bz (Esh) *á-mæžda-q’əžda* 'extremeley naughty (of a child)', Tap *mæžda-q’əžda* 'unhappy, miserable'; ~ **mæšə* 'happy', **da* 'without'
- **mæšə* — SAbx *a-mš*, Tap *mšə*, SAbx, Tap indef.sg. *mæš-k’ə* 'day', 'happy, lucky'
- **mæš’ə* — SAbx *a-mš’ə*, U 80 *á-mæš’ə*, Fer (Kil 18) *á-mæš’ə*, Tap *mš’ə* 'bear'
- **møyə* — Bz *á-møy*, indef.sg. *myə-k’ə*, Abzh *a-my*, Ash (AD 222) *a-møy*, Tap *myə*, def. *a-møy* 'prick', Bz *á-my-a-c* (Zw) 'prick', *a-my-ś* (Xu)//*a-my-ś* (Lyx)//*a-møyəś* (BD 280), Abzh (AB I: 438) *á-myəś*, Tap (Gum) *myə-ś* 'sassaparil' (ś 'white'), AB I: 438: 'blackberry'
- **møy”ə* — SAbx *møy”ə*, Tap *mæf”ə* 'poor, unhappy'; ~ < CCirc **møy”ə* 'id.'
- **məh”ə* — SAbx *á-mj”ə*, Ash (AD 13, 75) *á-mh”ə*//*məh”ə*, Tap *mh”ə* 'road, way, path'
- **məh”ə-nə-fa* — Bz *a-mj”ə-nə-f(a)*, Ash (Aps-AD 14) *bəj”ənəfa* 'provisions'; ~ **məh”ə* 'road', -*nə-* 'location', **fa* 'to eat; food'
- **mərg”ə-žə* — Bz *a-mərg”əžə* 'fat, plump (of man)', when added to the names of fruits gives a meaning 'large sort of'
- **mərk’əžə* — SAbx *a-mərk’əžə* 'marigold' (bot.), AB I: 459 'burdock'
- **mərk”ə-c”ə* — Bz (Bl-BD 213) *a-mərk”ac”* 'kind of deer with long and straight horns'; ~ **c”ə* 'bull'
- **mər-qə* — Bz (A 52) *a-mərčə* 'freckle'; ~ **mara* 'sun', **qa* 'head' (?)

- **mər̥x'ács* — Bz (Xu) *a-mər̥x'áč* 'non-castrated horse older than 3 years'
- **məj̥s* — SAbx (AB I: 441) *á-məj̥* kind of plantm, Rus 'овсянка'
- **məjt'áq"-ə* — SAbx (AB I: 442) *a-məjt'áq"-ra* 'to preen oneself'
- **m-əj-t"-ə* — SAbx *á-məjt"*, indef.sg. *məjt"-ə-k'* 'sth terrible'; ~ **m* 'negation', **ajə* 'to be born', *-*t"-ə* transformative suf.
- **məjs"ána* — SAbx (AB I: 443) *a-məjs"án* 'unhappy, cripple'
- **mba* — Abzh *á-mba* 'pole, pile, gates (in a game), goal (in football)', AB I: 447: Bz *á-mpa*; ~ **mə* 'negation', **ba* 'to see' (?)
- **mpa* — Bz *á-mpa*, Tap *mpa* 'unripe (of fruit)'
- **mp'əsta* — Bz (BD 277) *a-mp'əsta* 'lead'
- **mp'ələ* — SAbx *á-mp'əl* 'ball', Ash *k'a-mp'əl* 'felt ball'
- **mp'ərə* — Bz (Esh) *a-mp'ər*, Abzh (AB I: 446) *á-mp'ər* 'pellet of bread or maize pap'
- **mg'álə* — SAbx *a-mg'ál*, Fer (Kil 28) *a-mag'ál*, Ash, Tap *mg'ál* 'smal loaf of maize/millet bread'; the Fer form may point to a vowel elision in other dialects
- **mg'a* — SAbx, Ash *á-mg'a*, Tap *mg'a* 'belly, stomach'
- **mk'ə* — SAbx (AB I: 443) *á-mk'-ra* 'to jut out, stick up'
- **m(k')ək'ə* — Bz (BD 227) *a-m-(k')ək'* 'touchy, hard to deal with; arrogant'
- **mq"əba* — Bz (BD 208) *a-mq"əbər* 'melon', Tap *mq"əba* 'a bottle-pumpkin, and vessel made of it'
- **mʒə-s"á* — SAbx *á-mʒəs"(a)* 'naughty (of children)' (Bz), 'cunning', 'good-for-nothing' (AB I: 441)
- **mca* — SAbx, Ash *á-mca*, Tap *mca* 'fire'
- **mck'la-sə* — Bz *a-mck'laš-ra* 'to peck'; ~ **cə* 'tooth', **k'əla* 'through', **sə* 'to beat', *m-* is prob. epenthetic
- **mcqa-k'ə* — Bz (Esh) *á-mcχak'-ra* 'subordination, subjection', *á-mcχak'* 'possession'; ~ **k'ə* 'to keep, seize'
- **mćə* — Bz *a-mć* 'trunk, body'
- **mćə* — Bz *a-mć*, Abzh *a-mc*, Tap *mćə* 'lie, untruth'
- **mćə-wə* — Bz *á-mćwər*, Abzh *a-mcwə-rá* 'wrecking, sabotage', AB I: 453 *á-mcwə-ra* 'harmful'; ~ **mćə* 'lie', **wə* 'to do'
- **m-c'a* — SAbx *á-mc'a(-n)* 'beside (lower of sth/smb which is spoken about)', also a prev. with the same meaning, Ash (AD 216) *a-mc'a-q'a* 'yard' (**q'a* 'place'), (AD 23) *wə-mc'a-q'a* 'beside you' (*wə-* 'thou(male/hum or nonhum)'; ~ **c'a* 'bottom, beneath')
- **mc'(")əz"-f"ə* — Bz (BD 116) *a-mc'(")əz"-j"ə* 'wing (of a bird)'
- **mc'(")əs"ə* — Bz (BD 55) *a-mc'(")əs"ə*, Abzh *a-mc"əs"* 'basket with sharp end for collecting grapes'
- **mc'ə(-r-)bay'á* — Bz (BD 102) *a-mc'ə(r)bay'á* 'elder, *Sambucus ebulus*'; ~ **bay'á* 'leaf'
- **m-c'k'á-rə* — Bz *a-mc'k'ár*, Abzh *a-nac'k'ar* 'splinter'; ~ **ma* 'hand'

- **mžanā* — Bz *á-m/nžan-ra*, Abzh *á-mžan-ra* (BD 104) 'beautiful, wonderful'
- **mžə-r-qá* — Bz (BD 47, 279) *a-mžaržá//a-mžəržá*, Abzh *a-mžəržá* 'part of the yard close to the facade of the house'
- **mž'a-y'á* — Bz *á-mž'ay'(a)*, *a-mž'ač'a* 'landrail' (zool.)
- **mčəyə* — SAbx *á-mčəy//a-mčəy* 'nervous, hot-tempered', 'ironical, difficult in communication'
- **mč'ə* — SAbx, Ash (AD 62) *a-mč'ə*, Tap *mč'ə* 'firewood, timber'
- **mč'ə-bž'ə* — SAbx *á-mč'əbž'(a)*, indef.sg. *mč'əbž'ə-k'*, Tap *mč'əbž'ə* 'week'; ~ **məšə* 'day', **bž'ə* 'seven' (*mč'ə* < **mš'* < *mš*)
- **mč'á* — SAbx *á-mč'á*, Abzh also *á-nč'á* 'maple'
- **mza(-h'ə)* — Bz *á-mza(-c'la)*, Tap *mzá-h'(-c'la)* 'pine(-tree)'
- **mza* — Ash (Aps), Tap *mza*, def. *á-mza* 'lamp'
- **msta* — Tap (AbR 280) *msta* 'groin'
- **mśa* — Bz *á-mśa*, Abzh *á-msa*, Tap *msa* 'corn, callosity, horn substance', cf. also Tap *š'a-mzá* 'hoof' (*š'a* 'foot')
- **mśə* — Bz *a-mś-rá*, Abzh (AB I: 448) *a-ms-rá* 'to swear'
- **mž'əž'ə-k'ə* — SAbx (AB I: 440) *a-mž'əž'-k'-ra* 'to irritate, be infected (of wound)', 'to become worried, irritative'; ~ **k'ə* 'to keep, seize'
- **mž'a* — SAbx *a-mž'á* 'mulberry'
- **mš-a-pə* — SAbx (*a-*)*mšapə* 'Easter', Bz *mšapə-mz*, Abzh *mšapə-mz(a)* 'April' (*á-mza* 'month')
- **mšak°ə* — SAbx (AB II: 457) *a-mšák°* 'let me cry over you!'
- **m-š'-ta* — Bz *a-mš'ə*, Abzh (AB I: 458) *á-mš'əta* 'bad foot' (equivalent to 'bad eye')
- **mš°ha-ʒə* — Bz (AB I: 458) *a-mš'aaʒə* 'bone tuberculosis'; ~ **ʒə* 'water'
- **mya* — *'waist': Abzh (Ku) *á-myə(-z-aa)-ra* 'to be (put) on the waist', *á-myə-c'a-ra* 'to (be)gird, to put a ring on the finger' (*c'a* 'to put'), *a-myə-χ-ra* 'to ungirdle' (*χ* 'to take off')
- **mχə* — SAbx *a-mχə* 'cornfield, field with harves, arable land', Ash, Tap *mχə* 'corn- or millet-field'
- **mχ'anʒa-(ra-)χə* — Bz (BD 48) *a-mχ'anʒáχ//a-mχ'anʒaráχ*, AB I: 451 *a-mχ'ənʒáχ* 'paunch'
- **mħa* — Bz *a-mħá-p*, Abzh *a-mħá-bəsta*, Ahch, Sa, Fer (Kil 83) *a-mħástə* 'flat wooden spoon for stirring up and putting out onto the plates maize-pap', cf. also AB I: 452 *a-mħastá* 'gun stock'
- **mħa-c°ə* — Bz (M 62) *á-mħac°* 'baby's dummy', 'ends of a kerchief or bashlyk'
- **mħa-c"ə* — SAbx *a-mħáč"*, Fer (Kil 27) *a-mħáč"ə*, Ash *mħac"*, Tap *mħáč"ə* 'wooden spoon'
- **m-ħa-ra* — Bz *a-mħará*, Ahch *a-táca amħará* (*a-táca* 'bride'), Fer (Kil 27) *a-mħará*, Tap *mħara* 'a small hut (Tap: 'separate room') for a newly married couple'; ~ *m* negation, **ħa* 'to hear', *-*ra* abstract suf.

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- **napxá* — SAbx *á-napxá-ra* 'to betray, give away', *á-napxá* 'traitor'
- **ná-q'a* — Bz *naq'* 'thither'
- **naq"á* — Bz *á-naq"*, Abzh *á-naq"á* (A 56, Xu), Fer (Kil 22) *a-l/naq"(a)* 'fog', Bz (BD 255) *á-naq"á*, Abzh (AB I: 468) *á-naq"-aw* 'glacier' (*aw* 'long')
- **ná-sə* — SAbx *nas* 'then, afterwards', Ash *nas//*(Kuv) *anas* (AD 52, 53) 'yes (with the interrogative connotation 'well, then'); ~ **na-* 'thither', **sə* 'to go'
- **na-(s-)t-qá* — Bz *á-natxá*, Abzh *a-nastxá* (BD 223) 'aloof, at some distance', Abzh *á-nastxá-ra*, Bz (BD 223) *a-naštšá-ra* 'to move aside'; ~ **na-* 'thither', **qa* 'to pull'
- **na-ś-k'á* — Bz *a-na-śk'á-ra*, Abzh *á-nask'á-ra*, Tap *nask'á-ra* 'to move, step aside'; ~ **na-* 'thither'
- **n-a+čž* — Bz *načž* 'there'; ~ **na-* 'thither', **a+čž* directional postposition
- **na-há* — SAbx *á-naa*, Tap *naħa* 'slanting, crooked', SAbx *á-naa-ra*, Tap *naħa-rá* 'to bow, bend', 'slope', Tap also 'to lie down' (Tabulova 1984: 49); ~ **na-* 'thither'
- **na-ha-la* — SAbx *a-naħla-ra* 'to become (of dress, etc.)', 'to fit, suit'; ~ **na-* 'thither', **ħa-* 'hither', **la* 'to enter'
- **naħa* — SAbx *á-naħa-ra* 'to pour down (of spirits)', 'to distribute food to the table with guests'
- **nana* — 'mother': SAbx *nan* 'mama', *nán(a)* 'form of address of the older woman to the younger person' (inverted self-nomination), Tap *ná/ħna* 'grandmother' (SBL)
- **nanə-ra* — SAbx *a-nanħra* 'shed, penthouse'
- **nartə* — SAbx, Tap *nart* 'epical race of heroes'
- **na* — SAbx *a-né-z-aa-ra* 'to be (on sth)'
- **nəga* — SAbx *a-néga* 'wooden milk pail'
- **néq"á* — SAbx *a-néq"á-ra* 'to walk', *néq"á-rá* 'walk, trip', Ash (AD 8) *néq"á-ra*, Tap *néq"á-ra* 'to walk', *néq"á-rá* 'walk, trip', 'to walk'
- **néq"ə-ga* — SAbx *a-néq"-ga-ra*, Tap *nq"ə-ga-ra* 'to take care of smb', 'to meet guests'
- **néč'a* — SAbx *a-néč'*, Tap *néč'a* 'hemp'
- **néšə* — Bz *a-néš* '(to swear) by name of', Tap *nəš-la* 'for the sake of (smb)'
- **néš-s'a* — SAbx *a-néš'a-ra* 'to make peace with'
- **néš"ə* — SAbx, Ash *a-néš"*, Tap *nəš"* 'earth, clay',
- **néš"ə-n-ta(+ra)* — SAbx *a-néš"ə-n-t+ra*, Ash (AD 90) *nəš"ə-n-ta//*(Ionova 1987: 19) *nəš"ə-n-ta+ra*, Tap *nəš"ə-n-ta+ra* 'grave-yard'; ~ **néš"ə* 'earth', -*n*-locative, **ta(+ra)* 'place of'
- **néħxa* — SAbx *a-néħxa* 'icon, sanctuary (usu. to swear on), vow', Tap *nəħxa*

- ‘vow, oath’
- *nə-χá — SAbx, Ash *a-n-χa-rá*, Tap *n-χa-rá* ‘to work’, SAbx also ‘to build’, SAbx *a-nχaj[°]š*, Tap *n-χa-h[°]š* ‘(free) peasant’, Tap also ‘labourer’; ~ *nə ‘locative’, *χa ‘to work’
 - *nə-χá — SAbx *a-n-χa-rá* ‘to live, settle’, SAbx *a-nχá-r-ta*, Fer (Kil 82) *a-na-χá-r-ta* ‘settlement, place of living’, Fer also ‘home’; ~ *nə ‘locative’, *χa ‘to leave’
 - *nə-χə — SAbx *a-nə-χ-ra* ‘to spend’
 - *nə-h[°]a — SAbx *a-nəh[°]a-ra* ‘to congratulate’, ‘to prey’, ‘to say toast’, Tap *nəh[°]a-ra* ‘to swear, oath’, ‘to congratulate’, Bz (Bl) *a-nəh[°]* ‘preyer’, SAbx *a-nəh[°]a* ‘holiday, a festive occasion’
 - *nə-mh[°]a — Bz *a-nəmj[°]a* ‘sheaf of dry stems (of flax, maize, fern, etc.)’
 - *nərə — SAbx *a-nər-ra* ‘to feel’
 - *na/ə-r-č[°] — Bz *nərc[°]* (Axu, AF 60), *a-nárč*, context. *narc[°]š* (U 89), Abzh *narc[°]š*, Tap *nərc[°]* ‘the other side (of the river or sea)’, SAbx also ‘the other world, the beyond’
 - *nə-já — SAbx *a-n-ja-ra*, Tap *n-ja-rá* ‘to happen, meet’; ~ *nə ‘locative’
 - *nc[°]a — SAbx *a-nc[°]á*, Fer (Kil 25) *a-nc[°]š*, Ash *nc[°]a*, Tap *nc[°]a* ‘god’

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- *la — SAbx, Ash, Tap *prev-la-ra* ‘to go, enter’
- *la — SAbx *a-lá*, Ash, Tap *la* ‘dog’
- *la — SAbx *á-la*, Ash, Tap *la* ‘eye’
- *la — SAbx *á-la(z-aa)-ra*, Tap (IX) *lá-z-la-ra* ‘to be amidst the mass (of trees, people, water, etc.)’
- *laba — Bz *a-labá/š*, Abzh *a-labá*, Fer (Kil 25) *a-labš*, Ash, Tap *labá* ‘stick’
- *la-ba=č'a-ba — SAbx *la-b=č'a-bá* ‘reality’, Tap *la-ba=č'a-ba* ‘at once, momentarily’; ~ *la ‘eye’, *č'a ‘mouth’, *ba ‘to see’
- *la-bž[°]-šə — Abzh (AB I: 400) *á-la-bžəš* ‘tear’
- *la-dá — Bz *á-lda*, Abzh *á-lada*, Ash *lada* ‘downwards; southwards’
- *lagá — SAbx *á-laga-ra*, Tap *laga-rá* ‘to grind, mill’
- *la-gá — SAbx, Ash, Tap *á-la-ga-ra* ‘to begin, start’; ~ *la ‘in the mass’, *ga ‘to bring, carry’
- *l-ágá — Bz *a-lág* ‘silly, foolish’, Tap *lága* ‘silly, crazy’; ~ *la ‘eye’, *aga ‘silly’, cf. *q-ágá ‘id.’
- *la-g[°]ə — SAbx *á-lag[°]*, Ash ‘eyeball’, Tap *lag[°]š* ‘pupil of the eye’; ~ *la ‘eye’, *g[°]ə ‘heart’ > ‘centre’
- *la(-g[°]ər)-č[°]ə-məyə — Bz (AB I: 412) *a-lac[°]əm̥y*, Tap *lag[°]ərč[°]əm̥y* ‘sweetbrier’; ~ *la ‘eye’, *g[°]ərə ‘needle’, *č[°]ə ‘spigot’, *məyə ‘prickle’
- *lak'ára — Bz *a-lak'ár* (BD 205), *a-lak'ára* (Ach) ‘wooden trough for spring’

- water'
- **la-k'ə-c'a* — SAbx *a-la-k'ə-c'a*, Tap *la-k-c'a* 'eye-socket'; in Tap deglottalisation of *-k'-*; ~ **la* 'eye', **k'ə* 'to take, keep', **c'a* 'bottom'
 - **la-k'-tá* — Bz *a-la-k(')-tá* (BD 99, Lyx), Abzh *a-la-k'-tá//la-k-ta*, Ash *lak'-tá* (Kondzh 27), Tap *la-k-tá* 'eye-socket', 'glance', 'face'; ~ **la* 'eye', **k'ə* 'to hold', **ta* 'location'; in Abzh and Tap deglottalisation of *k'*
 - **lak'ž* — SAbx *á-lak''* 'curved, bent', *a-lak'-rá* 'to curve, bend, wind'
 - **lak"ž* — SAbx *a-lák"*, indef.sg. *lak"ž-k'*, Fer (Kil 17, 22), Sa *a-lžk"*, Ash *lak"ž*, Tap *lak"ž//lok"(°)* 'fairy-tale'
 - **la-qž* — Bz *a-lažž*, Abzh *a-laxž* 'tadpole'; ~ **la* 'dog', **qa* 'head'
 - **la-q"ž* — Bz *á-laxžəc*, Abzh *á-laxžəc*, Ash (AD 218) *a-laq"ž*, Tap *laq"ž(-c)* 'eyelash' (-c 'single, one'); ~ **la* 'eye', **q"ž* 'hair'
 - **la-q"ž* — SAbx *á-laq"* 'low', *á-la-q"ž-ra* 'to bend'; ~ **la* 'down', **q"ž* 'to bend'
 - **la-žá* — Bz (BD 228) *laža-j"azá* 'down and up', 'valleyes and mountains'; **la* 'down', **ža* 'to reach'
 - **la-žá* — SAbx *á-la-ža-ra* 'to be content, agree, tolerate', *a-la-žá-ra*, Tap *la-ža-ra* 'resistibility (e.g. of the organism)'; ~ **la* 'down', **ža* 'to reach'
 - **la-c"á* — SAbx *á-lac"á*, Ash *lač"á*, Tap *lac"á* 'eyelid'; ~ **la* 'eye', **c"á* 'skin'
 - **lasž* — SAbx *á-las*, Ash (AD 34) *lasž*, Tap *lasž* 'light, not heavy, quick', SAbx *lassž* 'quickly, swiftly', imper. *wə-lasž* '(you (male/hum) be quick!'
 - **lašá* — Bz *á-laš(a)*, Abzh *á-lasa*, Ash, Tap *lasá* 'wool'
 - **la-s"ž* — Bz *á-las"*, Abzh *á-laš"*, Tap *laš"ž//laš"* 'blind'; **la* 'eye', **s"ž* 'to swell'
 - **la-šá* — SAbx *á-laša* 'light' (adj.), *á-laša-ra*, Tap *lašá-ra* 'light' (n.), SAbx also 'to shine'; ~ **la* 'eye', **ša* 'light'
 - **la-šž* — SAbx *á-la-š-ra* 'to bark'; ~ **la* 'dog'
 - **la-š'čá* — SAbx *á-la-š'ča* 'dark', *á-la-š'ča-ra* 'darkness; to darken', Tap *la-š'čá-ra* 'darkness; dark'
 - **l-aš"á* — Tap *l-aš"á-rá* 'to weed'; ~ *l-* < **rə-* causative prefix; cf. **r-aš"á*
 - **la-γə-r-žž* — SAbx *á-layəržž*, indef.sg. *layəržž-k'*, Bz (BD 103) also *á-layržž* 'tear'; ~ **la* 'eye', **γə-r-žž* 'to drizzle'
 - **la-γ'ž/á* — SAbx *á-la-γ'ža(-ra)* 'steepness, steep slope', Tap (AO) *q-la-γ'ž* 'slope' (*q-* < *qa-* prev 'head'), *la-γ'ž* 'down(wards)', 'north', 'slope', but GA 42: *á-lay* 'south'; ~ **la* 'down'
 - **la-žž* — SAbx, Ash *á-lažž*, indef.sg. *lažž-k'* 'forehead', Tap *lažž* 'fate'; ~ **la* 'eye', **žž*
 - **la/əh"á* — SAbx *á-lj"á*, Bz (BD 60) also *á-ləj"*, Fer (Kil 24) *a-lžj"//a-lžw*, Ash *lažž*, Tap *lžž* 'smoke'
 - **lahá* — SAbx *a-lahá* 'figue'
 - **la-há* — Tap *lahá-rá* 'to wind, reel (e.g. a rope)'

- **laħ°á* — Bz á-*laħ°*, Abzh á-*laħ°a* 'raven', Tap *laħ°á* 'rook'
- **laħ°á* — SAbx *a-laħ°a-rá*, Tap *laħ°a-rá* 'to thresh (grains)' (SAbx), 'to pound, husk (grains)' (Tap), Bz *a-laħ°(a)rž* (A 62, Marr, Arch, sh. 175), Abzh *a-laħ°a-rá*, Tap (AbR 428) č'-*laħ°a-ra* 'mortar for threshing grains' (*č'a 'wheat')
- **la-məs°ž* — Bz (Xu, AB I: 422) á-*lamš°*//á-*lməs°*//á-*lamš°* (зax̚á) Rus 'ломонос виноградолистный', AB I: 422: 'hop'
- **la(-ra)* — SAbx, Ash, Tap *la(-rā)*, Sa *la-r(á)* 'she (hum.)'
- **lárž°á* — SAbx á-*larž°*, Tap *larž°* 'white, grey (coat of horse)'; ~ Geo *lurž-i* 'blue; grey (coat of horse)'
- **láj-š°a* — SAbx *a-lájš°a*, Ash *lájš°a* 'character, temper, behaviour'
- **lə-bħá* — Bz *a-l-baa-rá//a-ló-baa-ra*, Abzh á-*l-baa-ra*, Tap *l-bħá-ra* 'to come down'; ~ **la* 'down'
- **lə-bħa-dá* — SAbx *a-lbaa-da-rá*, Tap *lbħa-da-ra* 'to swallow'; ~ **lə-bħá* 'to come down', **da* 'to lead, carry'
- **lə-pxá* — SAbx *a-l(ə)pxá*, Tap: GA 46 á-*ləpxá*, (IX) *lpxá* 'mercy (of god)', 'thankfulness'; ~ **la* 'eye', **pxá* 'warm'
- **lə-gá* — SAbx, Tap á-*l-ga-ra* 'to finish, end, to take out/through'; ~ **lə-* prev. 'from the mass', **ga* 'to bring, carry'
- **ləg-až°ə* — SAbx, Ash *a-ləgaz°*, indef.sg. *ləgaz°ž-k*, Tap *ləgaz°* 'old man'; ~ **ləgə* 'man' (?), cf. the following entry, **áž°ə* 'old'
- **ləgə* — Tap *ləg* 'serf, slave'
- **lək°/q°ə* — Bz *a-ləq°*, Abzh *a-lək°* 'bolt, bar'
- **lə-šá* — SAbx, Tap á-*l-ša-ra* 'to be able, capable, be in power', á-*lə-m-ša-ra* 'to be unable, incapable'; ~ prev. **lə-* 'out', **ša* 'to create'
- **lə/ay°ə-rá* — SAbx *a-lay°rá* (AB I: 402), *a-ləy°rə/á*, Bz (BD 223) also *a-la/əj°-rə*, Ash (38, 52) *lay°rā*, Tap *ləy°rā* 'garret', Bz-Anxua: 'flue (of chimney)'
- **lə-x°ə-ta* — SAbx, Ash (AD 217) *a-ləx°ta*, Tap *ləx°ta* 'sieve, bolter'; ~ prev. **lə-* 'out', **x°ə* 'to sift', **ta* 'place'
- **ləmt°ə* — SAbx *a-ləmt'*, Tap *ləmt'* 'dirt (on body, clothes)', Ash *ləmt'* 'dirty, turbid', SAbx *ləmt°ə-mza* 'november' (á-*mza* 'moon, month')
- **lámha* — SAbx *a-lámha*, Ash (AD 219) *a-ləmħá*, Tap *lámha* 'ear'
- **ləmħa-rž°-ħ°ə* — Bz *a-ləmħarž°//a-ləmħarž°ž//a-ləmħarž°j*, Abzh *a-ləmħarž°*, Ash, Tap *ləmħarž°* 'ear-ring', Tap also 'butterfly', in Ash (AD 219) also *a-ləmħaržwý*
- **ləwə* — SAbx á-*ləw*, indef.sg. (Bl) *ləwə-k*, Fer (Kil 28) á-*law* 'mill-stone', Ash (AD 82) *a-ʒə-ləw* 'water-mill', Tap *ləw* 'hand-mill'
- **lħa* — SAbx (AB I: 398) á-*laa* 'retinue of the prince'

71. *r

- **ra* — SAbx *a-rá* 'walnut-tree'
- **ra* — SAbx *á-ra* 'old measure equal the distance from between the stretched fingers and the elbow'
- **r-ába* — SAbx *a-r-ába-ra* 'to beat, squeeze, press'; ~ **ra-* causative
- **ra-pa* — Bz *a-rá-p*, Abzh *a-rá-p(a)* 'green, unripe walnts'; ~ **ra* 'nut'
- **rapha* — SAbx *a-r(ə)phá*, Tap *rapha* 'lungs'
- **r-áp'a* — SAbx *a-r-áp'a-ra* 'to squeeze (in hand), knead, condense, thicken', 'to felt, full', 'to ram'; ~ **ra-* causative
- **ra-tá* — SAbx *a-r-t* 'soft, ripe', *á-r-t-ra* 'to become soft', Tap *ra-t-ra* 'to melt'
- **ratán* — Abzh *a-ratán* 'leather thong used in wooden plough'; ~ < Oss *rætæn* 'id.'
- **rá-gədə* — SAbx *a-rágəd* 'measure equal to the distance between elbow and hand'
- **rág^oa* — SAbx *a-rág^oa* 'mouse-trap'
- **rág^oa* — SAbx *a-rág^oa* 'lump, ball, clod'
- **rak^oá* — Bz *á-rak^o*, Abzh *a-rák^oa*, Ash *rak^oá* 'runner' (bot.)
- **rák^oa* — SAbx *a-rák^oa* 'stack, rick, sheaf'
- **rák^oa* — SAbx *a-rák^oa* 'desease of the throat of a horse'
- **raq^oá/á* — Bz *a-raꝝ^o-c*, Abzh *a-raꝝ^o-c* (-c 'single'), Tap *raq^oá* 'thread'
- **r-ažá* — Bz *á-r-ažá-ra*, Abzh *á-r-ažá-ra*, Tap *r-aža-ra* 'to strain, filter'
- **ražená/á* — Bz (BD 47) *á-ražná*, in compounds *a-ražen*, Abzh *a-ražná*, Ash *razná*, Tap *ražná* 'silver'
- **rác^oa* — Bz *a-rác^o*, Abzh *a-rác^oa*, Ash *rác^oa*, Tap *rác^oa* 'coal'
- **ra-č^oa* — SAbx *á-rac^oa*, indef.sg. *rac^oá-k* 'a lot'; ~ **č^oa* 'plurality'
- **r-áč^oa* — SAbx *a-ráč^oa-ra* 'to squeeze (fist)', 'to ram, thicken'
- **r-áč^o'a* — Bz (BD 232) *a-ráč^o'a-ra*, Abzh (AB II: 67) *a-rac^o'-ra* 'to emasculate, castrate', 'to make sth very delicately'
- **rafá* — Bz *a-rafá* 'bit of wax put into fire while commemorationg the passed away', AB II: 65 'incense'
- **rasá* — Bz (AF 112) *á-ras*, Abzh (AB II: 64) *a-rás* 'fern'
- **ra-sá* — Bz *a-ra-sá*, Abzh *a-ra-sá*, Tap (AO) *ra-sá* 'hazel-nut'; ~ **ra* 'nut'
- **rašá* — SAbx *á-raš*, Ahch *á-raša*, Tap *rašá* Rus 'карагач', 'sort of elm, *Ulmus caprifolia*'
- **r-as^oá* — cf. **aš^oa* 'to weed'
- **rax^oá* — SAbx *á-rax^o*, Ash, Tap *rax^oá* 'cattle', SAbx also 'wealth, profit' (U 158)
- **r-áha* — Abzh *a-ráa-ra* 'to borrow'; ~ cf. *wħa* 'id.'
- **ráha* — SAbx *a-ráa-ra* 'to cut down, fell (trees)'
- **r-ajhá* — Bz (BD 151, 96) *r-áha//r-ajhá*, Tap *r-ahá* 'more'
- **r-áħa* — Bz *a-ráħa-ra* 'to open, make streched', Tap (IX) *q-r-áħa-ra* 'open'

- wide the mouth' (*qa* 'head'); ~ **rə-* causative
- **r-ájžə* — SAbx *a-r-ájž'-ra* 'to stoop, become bent', Tap *r-ájž'-ra* 'to pucker, wrinkle'; ~ **rə-* causative
- **ra* — SAbx *a-r*, Tap *rə* 'army'
- **ra* — SAbx, Tap *á-r-ra* 'to wade, ford, cross water', Tap *ʒə-rə-r+ta* 'ford' (*ʒə* 'water', *-r+ta* 'place of')
- **rə-px(č)a* — SAbx *a-rə-px'-ra*, Tap (IX) *rə-pxča-ra* 'to string, thread'; ~ **rə-* causative
- **rəpčə* — SAbx (AB II: 109) *a-rəpč'* 'long log, stick to shake off the fruit'
- **rət°a* — Bz *a-rət°*, Abzh *a-rət°a*, Tap *rəč'a* 'pair of tongs, pincers'; ~ prob. **rə-* causative, **t°a* 'to melt, fuse'
- **rək°ə* — SAbx (AB II: 108) *a-rək°* 'tip, end (of knife)'
- **rəcə* — SAbx *a-rəc* 'grain, one small piece', AB II: 109 also 'hulled nut'
- **rəčha* — SAbx *a-rəčha*, Tap *rəčha* 'poor, unhappy, pitiful'
- **rə-c'a* — Tap *rə-c'a*; ~ cf. **jə-c'a-gə* 'more'
- **rəsaq"ə* — Bz (Xu) *a-rəsaq"ə* 'trap for rats'
- **rə-fi°ə* — Tap *rə-fi°* 'special pole for closing the gates'; ~ prob. **rə-* causative, **fi°ə* 'to run'
- **rəmažə* — Bz (BD 47, 102) *a-rəmž//a-rmáž//a-rmáž//a-rəmža*, Abzh *a-rəmž* '(long) bench', Tap *rəmža* 'chair'
- **rəm-ʒə* — SAbx *a-rəmž*, Tap (IX) *k'-ram-ʒ* 'urine'; ~ **ʒə* 'water'
- **rəmžha* — Bz (BD 49) *á-rəmžaa* 'great number'
- **r-pxə-t"ə* — Bz *a-r-pxə-t"ə* 'blood poisoning'; ~ **rə-* causative, **pxə* 'warm', **-t"ə* trabsformative suf.
- **r-t'əfi°ə* — Abzh (AB II: 92) *a-rt'əj"-ra* 'cover for the family during the hostile attacks'; ~ **rə-* causative
- **rg°ə-cə* — SAbx *a-rg°ə-c* 'berry' (-c 'single')
- **r-k'ak'a* — Bz *á-rk'ak'(a)*, Abzh *á-rk'ak'a* 'loop for sack made of winding plants'; ~ **rə-* causative
- **rqa* — Bz *á-rč(a)*, Abzh *á-rča*, Tap *rqa* 'plain, valley'
- **r-c'əwə* — Bz *á-rc'əw* 'grass-hopper'
- **r-s"ə-ga* — Bz *a-rs"əg(a)*, Abzh *a-raš"əga* 'cicada'; ~ **rə-* causative, **s"ə* 'to whistle', **-ga* instr.
- **rγžžə* — Bz (BD 216) *a-ryžž* 'fin (of fish)'
- **račč/šžna* — Abzh *a-rxňššna*, Ash (AD 217): Kuv *a-račšžna*, Aps *a-raččžna*, Tap *raččžna* 'chain over the hearth'
- **rňa* — SAbx (Kamkia 52) *a-raa* 'hay-stack'
- **rň°a* — SAbx (Kamkia 125) *a-rj°a* 'thongs on both sides of the horse with a burden'; cf. also *a-čž a-pə-rj°a* 'id.' (*a-čž* 'horse')
- **rň°a-šž* — SAbx *á-rj°aš* 'stream, torrent'; ~ **šž* 'to boil' (?)
- **r-ħa* — Bz *a-r-ħa-ra* 'to become afraid', Tap *ħá-lə-r-ħ-ħa-ra* 'to startle (while dreaming)'

- **r-h^oə* — Bz *a-r-h* ‘burgler’, *a-r-h-rá* ‘to wind round, twist’, ‘to steal, rob’; ~ **rə-* causative, **h^oə* ‘to wind round, turn’

72. **w*

- **wa* — SAbx, Ash *wa* ‘there’
- **wa* — SAbx *á-wa*, indef.sg. *wa-k* ‘relative, friend, comrade’, ‘belonging to sth/smb; similar’, *á-wa-ra* ‘relation’, Ash (Kuv-AD 92) *a-wa* ‘kind, sort of’, Tap (GA 176) *á-wa* ‘belonging to a group’, ‘close friend’, SAbx, Tap *rá-wa* ‘one of those’; also “ethnic” suffix *-wa*
- **wa* — SAbx, Ash *wo* (< **wa*), Tap *wa* vocative interj.
- **wa-bž^o-ržə* — SAbx *a-wábž̡ərž* ‘the upper part of man’s hip near groin’
- **waps/šac^oə* — Bz *a-wápšac^o(ə)*, Abzh *a-wapsč^ož* (BD 109, 132) ‘hollow of the hand’
- **wáp'a//wap'á* — Bz *a-wáp'a* (BD 141), *á-wap'a* (U 164), *a-wap'á* (M 20), Abzh *a-wp'á* (BD 141), Ash *wap'a*, Tap *wap'á//wáp'a* ‘felt coat’
- **wadá* — Bz *a-wad(r)á-baa* (*a-baa* ‘rotten’), Tap *wada-býá//wada-h^orá* ‘burdock, *Arctium*’ (bot.) (*býá* ‘leaf’, *h^ora* ‘grass’)
- **wadášččə* — SAbx *a-wadášččə-ra* ‘(to brake) into pieces’
- **wa-dər-h^o-á-na* — Ash (AD 15) *wadərh^oán-gə*, Tap *wadərh^oána* ‘then, afterwards’; ~ **w-a-dər-* ‘the other’, **h^o-á-na* ‘the second’
- **wat^oá//wát^oa* — Bz (BD 164) *a-wat^oá*, Abzh *a-wát^oa*, Ash (Abzkt, AD 87) *wáta*, Tap *wač^oá* ‘hip, thigh’
- **w-aqá* — Bz *wačá*, Abzh *wačá*, Ash *woqa*, Tap *waqá* ‘tonight’; ~ **wa* ‘this’, **aqa* ‘night’
- **w-aqž* — Bz *wač-n-la*, Abzh *wač-n-la*, Tap *waqž-n-la* ‘at night’, Tap *waqž* ‘night’
- **waq^oá* — Bz (BD 65) *a-wač^oá* ‘wind-fallen twigs and branches’, Abzh (AB II: 187) *a-wač^oá* ‘big log’
- **wa-q'a* — SAbx *wáq'a*, U 97 *wáq'a*, Ash (AD 19) *wáq'a* ‘thither, there’; ~ **wa* ‘this’, *-*q'a* directional postposition; cf. **a-wa-q'a*, Tap *awá?a*
- **waq^oə-sə* — Ash (AbR 374), Tap *waq^oəs* ‘rotten stub’
- **wáč'a* — SAbx *wac'* in *a-j^ona-wáč'q'a* ‘inside’ (*j^onə-* prev. ‘in the house’, -*q'a* ‘location’), Ash *wac'a-q'a* ‘inside’, Tap *wáč'a* ‘insides (of the body)’, ‘inside (the village)’
- **wa-c^ož* — SAbx *wac^ož*, Tap *wač^ož* ‘tomorrow’
- **wasá* — SAbx *a-wasá*, Ash, Tap *wasá* ‘sheep’
- **wa-śa* — Bz *wəś*, Abzh *wəś*, Ash *wəsa* (AD 25) // *was* (AD 37) // *wəs* (AD 38) // *wasa* (AD 72) ‘thus, this way’; ~ deictic **wa*, instr. suf. *-*śa*; cf. **a-wá-śa*
- **was^oś^ož-ra* — Bz *a-waśś^ožr*, Abzh *a-waśś^ožra* (AB II: 188) ‘weak, sickly, with

- defect'
- **wa/ə-žə* — SAbx *wazə*, Ash (AD 3, 4) *wo/əzə*, Tap *wəzə* 'now'; ~ **wa* 'this', **žə* deictic
- **wášxə* — Bz *wásxə* (Dzh), *wášxə* (Oth), Abzh *wašxə*, Tap *wášxə* 'vow, oath', SAbx also 'suffering'; ~ < CCirc **wa-šxə* 'vow'
- **wa/ə-š̥tá-nə* — Bz *wa/əš̥tán*, Abzh *waš̥tán* 'afterwards, then'
- **wač'adə* — SAbx *a-wač'ad* 'herd of horses', Ahch *a-warč'ad*
- **wač'arə* — SAbx (AB II: 187) *a-wač'ár* 'ugly'
- **w-a+čə* — SAbx *wač'* 'thither', *wáčə-n+t* 'from there'; ~ **wa* 'this', **a+čə* directional postposition
- **wač'-t"ə* — Sa *wač'í*, Tap *wačč'í* (AbR 376), *wač'á* (IX, AO) 'today'
- **wa-ha* — SAbx (U 97) *wáâ*, Ash (Kuv-AD 66) *waá* 'there'; ~ deictics **wa*, **ha*
- **wahá* — SAbx *a-waa-rá* 'in temporal use', Tap *waħa-rá* 'to borrow'
- **wahá-hə* — SAbx *a-waħ-h°* 'mutual help while working'; ~ **wahá* 'to borrow'
- **wa-ha-n+ʒa* — SAbx *waħ-n+ʒa* 'till recently'; ~ **wa* 'this', **ha* 'time', *-n+ʒa 'till'
- **wa-h°ə* — SAbx *a-wa-j°ə*, pl. *a-w-aá*, Tap *ħ°ə*, pl. *w(a)-ħá* 'man'
- **wa-h°ə-t"ə-h°ə-sa/a* — Bz *a-waj°ə-t"əj°sa*, pl. *a-waa-t"əj°sa*, Abzh *a-waj°ə-t"əj°sa*, pl. *a-waħ-t"əj°sa*, Ash (Aps) *a-ħ°ə-t"əħ°as* (AD 11), Tap *ħ°əč"ħ°as*, pl. *ħ°əč"ħ°-ára//ħ°əč"ħ°-ara* 'man, human being', pl. 'mankind'; ~ **wa-h°ə* 'man', *-t"ə attributive suf., **ħ°ə* 'man', *-sə 'small'
- **wa-ha* — SAbx *wáħa* 'more, else'; ~ cf. **r-aħa*, **j-aħa*
- **wah°á* — SAbx (AB II: 187) *a-wah°á* 'beginning of the large intestine', AT 30: 'rectum', Tap (IX) *wah°á* 'entrails, insides (with guts)'
- **wəmá* — SAbx *á-w(a)ma* 'sth terrible, monstrous, unusual'
- **wa(n)dáħə* — SAbx *á-wadaj°* 'difficult, heavy, hard', Ash (Aps) *wandaħ°* 'heaviness', 'heavy'; ~ < Kab *wändäy°* 'id.'
- **wa(-rā)* — SAbx, Ash, Tap *wa-rá* 'you (male/hum, nonhum)
- **wářə* — SAbx *a-wář* 'catching disease'
- **war-š°/sár* — Bz *a-war-š°ár*, Tap *war-sár* 'to speak noisily, loudly'
- **wárba* — SAbx *a-wárba* 'kite', Ash, Tap *wárba* 'eagle'; ~ < Geo *orb-i* 'eagle'
- **wa(r)dáq°ə* — Abzh *a-wadáx*, Tap *wardáq°* 'hoop, rim (of barrel)', Tap also 'iron or wooden ring on the end of the rope to fix hay on the cart'; ~ < Oss *wærðæx* 'twisted twig used as cord'
- **wardón* — SAbx *a-wardón*, Bat (Kil 51) *a-wardóna*, TuAbx *a-wandár*, Ash (AD 40) *a-wandár//a-wardón*, Tap *wandár* 'a kind of bullock cart'; ~ < Oss *wærðon/wærðun* 'id.'
- **wá-r-g'a-la* — SAbx *a-wárg'ala* 'swing'; ~ **rə-* causative, **g'a-la* 'to swing, reel, stagger'
- **war-k'alájə* — SAbx *a-wark'aláj-ra* 'to play shiningly (of colours)'
- **war-cájə* — Abzh *a-warcáj* '(intensive) red'
- **wáwə* — SAbx *a-wáw* 'weeping, crying (on funerals)', Tap *waw* 'cry',

- waw-wáw-h^oa* 'descr. of weeping'; ~ onomat.
- *wája — Abzh *a-wája*, Tap *wája* 'bad weather, storm'; ~ < CCirc *wa-ja 'id.'
 - *wajéz-g^ə — Bz (AF 118) *wajéz-g^ə-wajéz-g^ə*, Abzh *wajzg^ə* 'anyway' (-g^ə 'and')
 - *wájmada — SAbx *a-wájmada* 'word expressing despair, sadness'
 - *wwa — Bz *jə-wwa-žá* 'starching oneself (when jumping)'
 - *wə — SAbx *a-w-rá*, Tap *w-ra* 'to agree', SAbx also 'to do', imper. *jə-wə* 'do it!' (SAbx), 'agree to it!' (Tap)
 - *wəbajzəra — Bz (M 16) *a-wəbajzér* 'unhappy'
 - *wə-bá-ša — Bz *wəbás*, Abzh *wəbás* 'thus, this way'; ~ deictics *wa, *ba, instr. suf. *-ša
 - *wə-ba-rá — SAbx *wəbrá* 'here'; ~ deictics *wa, *ba, *ra
 - *wə-bá-ra-tə — SAbx *wəbárt*, cf. also Xu, Fer (Kil 21) *wəbárt*, Otap *wəbárt* 'these, they'; ~ deictics *wa, *ba, *ra, pl. suf. *-tə
 - *wə-ba-rá-j — SAbx *wəbráj* 'that'
 - *wə-ba-rá-ha — SAbx *wəbráa*, U 97 *wəbráâ* 'here'; ~ deictics *wa, *ba, *ra, *ha
 - *wá/ž-ta+ra — SAbx *a-wátra*, Ahch *a-wá-ta+ra*, Ash *a-watra*, Tap *wátra* 'kitchen-garden'; ~ *wə 'to do', *ta+ra 'place of'
 - *wə-tə — SAbx, Ash (AD 35) *wat* 'they'; ~ deictic *wa, pl. suf. *-tə
 - *wə-sə — SAbx *a-wás*, Tap *wəs* 'work, business, occupation'; ~ *wə 'to do', -sə 'material for'
 - *wə-s-wə-ra — SAbx *a-wəswəra* 'work'; ~ *wə-sə 'work', *wə 'to do'
 - *wə-š-q'a-na — Bz *wəšq'an*, Abzh *wəsq'an* 'that time, then'
 - *wəž^ə — SAbx (AB II: 191) *a-wəž^ə-ra* 'virgin land, long fallow'
 - *wə-š^əá-k^ə — SAbx *a-wš^əák^ə* 'involuntarily, by chance'; ~ *wə 'to do'
 - *wəγ^ə — SAbx *a-wəγ^ə*, Kld (M 18), Fer (Kil 23) *a-γ^əž^ə* 'yoke'; ~ < Meg *uyu* 'id.'
 - *wəra — SAbx *a-wəra* 'unbroken horse', Tap (Gum) *a-čə wər jəgəld* 'horse rears'; ~ < Geo *ura* 'stallion'
 - *wərəx^ə — Abzh (BD 203) *a-wərəx^ə* 'striped', AT 13, 64: *a-wərəx^ə//á-wərəx^ə* 'speckled (of colour of animals)'; ~ cf. *jərəx^ə
 - *wə-ra-tə — SAbx, Ash (AD 69) *wərt* 'those, they'
 - *wərtə — SAbx *a-wərt* 'storm'
 - *wə-ja — SAbx, Ash *wəj* 'this, that, (s)he'; ~ deictics *wa, *ja
 - *wəwə — SAbx *a-wwə-ra*, Tap *wəw-ra* 'to howl', Tap *wəw* 'howl'; ~ onomat.

73. *j

- *ja — SAbx *a-ja-rá* 'to lie (down)'
- *ja — SAbx *a-já* 'pack, burden'
- *(j)adág'a — SAbx *á-jadəg^ə* 'Adyghe', Tap *adág'a*, def. *ádg'a* 'Abaza'; ~ < CCirc *adəg'a 'Circassian'

- *ja-g()á — SAbx *jag()á*, Tap (IX) *agá* '(however) much'
- *ja-g'á — SAbx *jag'á* 'another, the other'
- *ja-k'á — Bz (AB I: 280) *jak'á* (arch.)//*ak's*, Abzh, Ash *ak's*, Tap *za-k'á* 'one'
- *ják'a — Bz *a-ják'*, Abzh *a-ják'a*, Ash (ES II: 63) *jak'a*, Tap (GA 34) *ják'a* 'cock's comb'; *k'* in GA 34 a misprint ?
- *ja-qá — Bz *jaxá*, Abzh *jaxá*, Tap (IX) *jaqá* 'last night'
- *ja-ćá — Bz *jacá*, Abzh, Sa, Ash, Tap *jacá* 'yesterday'
- *ja-ć'á — SAbx *ajć'á*, Tap (IX) *ajć'á* 'worse'
- *ja-ć'á — Bz *ajć'á*, Abzh (A 61) *ajc'á* 'less, smaller', Bz *ajć'á-ra*, Abzh *ajc'á-ra* 'the smaller part'
- *ja-ć'á-bá — Bz *a-jić'bá/á//ajć'bá/á*, Abzh *ajc'bá*, Ash (AD 52, 54) *ajc'bá//ajć'bá*, Tap (IX) *ajc'bá* 'the younger'
- *jać'k'á-sá — Bz *á-jac'k'ás-ra*, Abzh *á-jac'k'ás-ra* '(to) hiccup'
- *jać'á — Bz *á-jac"(a)*, Abzh *á-jać"á*, Ash *á-jać"*, Tap *jać"á* 'star'
- *jać"á — SAbx *á-jać"á*, Ash (AD 222) *ajć"á*, Tap *jać"á* 'green', 'blue'
- *jać"á — Bz (AB I: 284) *á-jać"á* 'calf (of the leg)'
- *jać"á-żá — SAbx *jać"á-ż'-aa*, Tap *jać"á-ż'-aa* 'constellation', Tap *jać"á-ż'-aa-r-ha* Rus 'Стожары' (astron.)
- *ja-sə-k'á-na-g'á — SAbx *jask'ánag"/jask'ánng'á* 'always'
- *já-ša — SAbx *a-jáša*, Tap *r-ájša* 'truth', 'true', 'right, straight'
- *jašá — Bz *á-jaš* 'squirrel'
- *jaš'á — SAbx *á-jaš'á*, Fer *ájš'á//as'á* (Kil 29), *ajš'á* (Sam), Ash, Tap *as'á* 'brother', pl. SAbx *ájš'č'a*, Tap (GA 116) *ájš'č'a*
- *jaždá — Bz *á-jax̚ta*, Abzh *á-jažda* (AB I: 283) 'the back knee of animal'
- *ja-žá — SAbx *jažá*, Ash *jaž'-t'á* (-t'a attributive suf.) 'today'
- *ja-há — Bz *jahá//ajhá*, Ash (AD 39) *jaħá*, Tap (IX) *ajħá* 'more'
- *ja-há-bá — Bz *ajħa-bá/á*, Abzh *ajħa-bá*, Ash (AD 83, 90) *ajħa-bá//jaħ-bá*, Tap *ah-bá* 'the older, elder'
- *j-an-ak"á-z(+ħa)+la-k'á — SAbx *j-an-ak"á-z+aa+la-k'*, Tap: IX
j-an-ak"á-z+la-k'-g'á, AO *j-an-ak"á-z+la-k'-g'á* 'always, every time'
- *j-an-b-ák"á — Bz *j-an-bá-k'*, Tap *j-an-b-ák"á-w* 'when?'
- *ja-nə — Tap *ján-la* 'whole (of time term), cf. also Tap *jánjə-yən-k'* 'all winter', *jənəj-pxən-k'*, AO *jánə-px-k'*, LABX *al/n-pxən-ra-k'* 'all summer', *al/n-ʒən-ra-k'* 'all winter', cf. also Bz (AF 111) *jan-ag'* 'always, all the time' (*ag'á* 'the other')
- *ja(-rá) — SAbx, Ash, Tap *ja-rá* 'he (male/hum)', 'it (nonhum)', 'this, the very, the same'
- *ja-rá-z-nə-k'á — Bz *jará-z+n-ak'(ə)*, Tap (GA 96) *jará-z+nə-k'* 'at once', cf. Tap (AO) *jará-zə+n-la* 'id' (-la instr. suf.); ~ *ja-rá deictic, *za-nə 'once', *-k'á suf. of indefinite singular
- *ja-wá(-ja) — Bz *jawá(j)*, Tap *jawá* 'why?'
- *jaw(w)áj — Bz *jawwáj*, Abzh (AB I: 282) *jawáj*, Tap *jáwwáj* 'interj. of menace,

- sorrow, perplexity' (in Tap two stresses)
- *ja ... ja — SAbx, Tap *ja ... ja* 'either ... or', Ash (AD 30) *ja* 'or'
 - *jə — SAbx *aá-j-ra*, Tap *ħá-j-ra* 'to come' (*aa-/ħa-* 'hither'), SAbx *a-ná-j-ra*, Tap *na-j-ra* 'to go' (*na-* 'thither')
 - *jə — Bz *a-j-rá//a-jé-ra*, Abzh *a-j-rá*, Tap *j-ra* (arch.) 'to be born', 'birth', SAbx also 'to have crop (of fruit)', Tap also 'to heal, close (of wound)', SAbx *a-r-jé-ra*, Ash *ā-r-jé-ra*, Tap *ħa-r-jé-ra* 'to give birth to (SAbx: of animals)' (*ħa/ā* prev. 'hither', *-r-* causative)
 - *jəyə — SAbx *a-jéy* 'a course-ground flour', Tap *rəyy* 'maize groats', NTab 25 *rəyy-ra* 'to grind (into groats)'
 - *jənə — Abzh *a-jén* 'female (of the animals)'