

Appendix B. Full list of correspondences for phonological reconstruction

The correspondences presented in this appendix are the result of comparative phonological reconstruction using WordCorr software (see www.wordcorr.org). Reconstructed protosegments are prefixed with an asterisk, and listed in a table of contents below. Correspondences for a protosegment which have the same phonological environment are grouped into ‘clusters’ if they are not conflicting. If the correspondences are conflicting, then they are listed under separate clusters. Each cluster entry is headed by a number, followed by the conditioning environment used in the reconstruction. For example:

*b

1 #_

bbbbbbb{b;p} 1010, 118, 1400, 186, 190, 251

bbbbbbb. 1012, 269, 61, 817

bbbb.bb{b;p} 1286

etc.

*b is the reconstructed protosegment, and cluster *I* groups together correspondences whose tabulated environment is word-initial (#_), and whose reflexes do not conflict with each other. The symbol ‘.’ indicates that a cognate is missing from the data for a particular lect; ‘/’ indicates the deletion of an inherited segment. In the second row of correspondences—found in 4 etyma—comparable data is missing for the last of the lects (BN). However, this row of correspondences does not conflict with the first row of correspondences. Thus they are grouped under the same cluster—number 1—for the the proto-segment *b in initial position. Curly brackets indicate a grapheme cluster, e.g. {b;p} indicates variation between /b/ and /p/ in these data for BN. Other grapheme clusters are used not to indicate variation, but simply because the transcription I have used involves more than one grapheme as signifier for a single phoneme. For example, {d^h} is graphemically complex, though phonemically unitary.

Reference numbers for reconstructed etyma are listed to the right of each correspondence set. These match the reference numbers in the comparative wordlist in Appendix A. The relevant data can thus be found in that appendix by using the reversal list based on the reconstruction identifying number.

The reflexes in each correspondence set are ordered as follows:

1. Kishanganj (KS), Bihar, India
2. Rangeli (RL), Morang district, Nepal
3. Mahayespur (MH), Jhapa district, Nepal
4. Thakurgaon (TH), Bangladesh
5. Shalkumar (SH), Jalpaiguri district, West Bengal, India
6. Rangpur (RP), Bangladesh
7. Bhatibari-Tufanganj (BH), Jalpaiguri & Cooch Behar districts, West Bengal, India
8. Bongaigaon (BN), Assam, India

Thus, in the correspondence set [bbbb.bb{b;p}], a comparable datum is missing for the fifth lect, which is Shalkumar.

In some etyma, a morphological change alters the phonological environment of phonemes, which consequently affects the phonological correspondences. For example, if two words are

joined into a single word, then a word-initial consonant may become inter-vocalic, and be affected by different phonological changes than it would have been had it remained in word-initial position. As a result, the correspondence set for this consonant may not conform to either the word-initial or the inter-vocalic pattern. This scenario is indicated within the conditioning environment of the relevant segments by '>'. For example, '#_>V_V' indicates word-initial position changed to inter-vocalic position.

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*kn.....	482
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*ɔw	521
*ɔɔ	521
*a	521
*aj	530
*aw	530
*~	531
*~j	531
*~w	531

*b	
1 #_	
bbbbbbb{b;p}	1010, 118, 1400, 186, 190, 251
bbbbbbb.	1012, 269, 61, 817
bbbb.bb{b;p}	1286
bbbb.b{b;p}	133
b..bbbb{b;p}	156
bbb..bb{b;p}	194
.bbbbbb.	294
bbbb.bb.	645
bb.b.bb{b;p}	1247
bbbb.b.{b;p}	1499
bbbbbb..	1572
bbbb.b..	7
.b.bbbb.	200
bbbbbb...	375
.bbbbbb..	606
bbbb..b.	1044
.bb.bbb.	1067
bbb..bb.	1170
bbbb...{b;p}	1330
bb.bb..{b;p}	1420
b..b.b.{b;p}	321
bb.b.b..	507
b..b.bb.	272
.b...bb{b;p}	618
.bbb.b..	631
...bbbb.	1432, 781
bbbb....	510, 784
....bbb{b;p}	802

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bb...b.	11
b...bb.	87
.b..b..{b;p}	148, 2379
bb...b..	195
bb.b....	254
b.bb....	644
...bbb..	950
bbb.....	1032, 264
..bbb...	1247
....bbb.	1542
.b..b..	6
....bb.	179, 460
.....b{b;p}	316
.bb.....	322
..bb....	352
.b.....{b;p}	403
....bb..	124, 379, 640
....b.b.	1065, 694
b.....b.	758
b.b.....	125, 782
...b..b.	782
bb.....	201, 386
..b...b.	1256
b...b..	1381

2 #_	
bbbbbbbbb	1070, 1091, 1522, 283, 31, 320, 894
.bbbbbbbbb	10, 537
bbbbbbb.b	485
bbb.bbbb	526
.bbb.bbb	1214, 175
..bbbbbbb	1523
..b.bbbb	44
...b.bbb	565
....bbbb	995
..bb.bb.	387
3 #_	
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4 #_	
..w..bbb	1048
5 i_a	
.w.β.{b ^j }bw	1516
6 i_a;else	
..βbβb{β ^j }b	1523
7 i_a	
.ββββ{b ^j }{β ^j }b	1526
8 u_a	
.bbbb{b ^j }{b ^j }b	1522
9 u_a	
.β....β.	1517
10 u_a	
bbbβbβββ	190
11 V_V	
ww.b.bw{b;w}	260
ww...b..	470
12 V_V	

wwbb{b;β}b.b	731
13 V_V	
....βββb	995
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15 #_>V_V: pronominals	
.ββ/////	1217
16 V_V	
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17 o_V	
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.bbbbbbb	1519
19 l_V	
.bbbβbbb	1520
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22 V_#>V_g>V_	
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26 V_V; #: Persian	
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27 #: Persian	
b.bβbp{b;p}.	1181
bpb..p..	870
28 #: Persian	
.bbpp.bb	1356

*p	
1 #_	
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pppppp.p	154
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pp...p.b	367
3 i_a	
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....{p ^w }{p ^j }{p ^j }.	834
4 u_a	
.ppp{p ^w }{p ^j }{p ^j }p	1442
5 u_a	
ppp..{p ^j }{p ^w }p	852
6 u_a>_C	
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7 V_V	
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1 a_	
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*d	
1 #_	
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2 #_	
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....{d}{d}{d}{d}	1259
3 u_a	
...{d}{d}{d}^i..	1486
.....{d}^i{d}^i.	535
4 i_a	
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5 V_V	
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.{d}{d}.....	436
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4 u_a	
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·{t}{t}{t}·{t}{t}t	175
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1 #_	
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3 >_#	
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...ddd{d;t}	1288
...ddd{d;t}	13
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.....{t;r}.r	991
8 V_V	
....rrrr	253
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9 V_V	
....{t;r}trr	341
...r.tr.	1045
10 V_V	
rrr.tr.	373

8 V_V	
.{r ^h }...rrr	618
9 V_V	
..{q ^h }{r ^h }.rr.	387
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1 #_	
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.t.t.t.t	1306
..t.ttt.	1826
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....ttt.	987
t.t...t.	1331
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3 i_a	
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4 V_V	
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ttttt.	540
..ttttt	1309
ttt.t.	617
.tt.t.t	1320
..t.t.t	242
.t.t.t.	451
...tttt.	781
ttt....	1353
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t.t....	452
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5 V_V	
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6 V_V	
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10 _#	
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..t.t.t.	350
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ჳჳ...ღ.	889
.....ღღ{z;s}	1149
...ჳzღ.	1486
ჳჳ.....	29
ჳ.ჳ.....	538
....z..{z;s}	681
..ჳ..ღ.	849
.ჳ...ღ.	1165
2 #_	
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4 i_a	
ჳჳჳჳ{z ⁱ }{ღ ⁱ }{ღ ⁱ }z	1291
5 V_V	
ჳzzჳzღღz	569, 807
.zzჳz.ღ.	1488
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6 V_V	
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7 V_V	
ჳჳzჳzღღz	1510
8 #	
ჳჳჳ..ღ.s	968
.....ღ.s	1405

9 #	
...tʃsღ.z	1439, 435
ჳჳჳ.....	762
10 #	
ჳჳჳtʃ{t}zss	703
*ჳჳ	
1 >u_a	
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2 V_V: Ts.	
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*ჳ^h	
1 #_	
{ჳ ^h }{ჳ ^h }{ჳ ^h }{ჳ ^h }{z ^h }{ღ ^h }{ღ ^h }{s ^h }	1884
{ჳ ^h }.{ჳ ^h }{ჳ ^h }{z ^h }{ღ ^h }..	6
{ჳ ^h }{ჳ ^h }{ჳ ^h }.....	1449
..{ჳ ^h }..{z ^h }.{ღ ^h }.	1454
{ჳ ^h }.{ჳ ^h }.....	721
..{ჳ ^h }..{ღ ^h }..	2378
...{ჳ ^h }.{ღ ^h }..	738
2 #_	
..{ჳ ^h }..{z ^h }{ღ ^h }{ღ ^h ;ts ^h }.	149
...{ჳ ^h }{z ^h }.{ღ ^h ;ts ^h }.	1276, 1276
.....{ღ ^h ;ts ^h }{s ^h }	163
3 >V_V	
...{ჳ ^h }.ღzz	1033

*tj	
1 #_	
tjtjtjtststss	1082, 1295, 327, 365, 464, 543
tjtjtjtststs.	198
tjtjtjtststs.s	731
.tjtjtjtststss	1463
..tjtjts.tss	699
..tjtj.tstss	831
..tjtjstststs.	1341
tjtjtjtjts...	1453
.tjtjtjts...	207
...tjtststs.s	559
tj....tsts.	206
....tststs.	345
..tj.ts.ts.	350
tjtj...ts..	470
tj.tj...ts.	588
tjtjtj.....	662, 762
...tj.tsts.	1313
...tj.ts..	1319, 393, 466, 559, 707, 826
tj..tj....	553
tjtj.....	137
2 #_	
tjtjtjtj{ts;s}tstss	119
3 #_	
tj.tj...sts.	564
tjtj...s.s	1443
...tj.sts.	315
....s.ts.	234

4 #_	
.tjtj.sts..	690, 788
....tsss	297
5 #_	
tjtjtjtjts{ts;s}tss	304
tjtjtjtj.{ts;s}ts.	649
tj.tjtjts{ts;s}ts.	737
...tj.{ts;s}..	697
6 #_	
.tjtjtjs{ts;s}tss	333
7 #_	
tjtjtjtjststss	517
tj.tjtjstststs.	444
..tjtjststss	622
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21 _-	
lllllll	1884, 1988
22 >_#	
lllllll	384, 47, 481, 517, 625
.llllll	271
l..lll.	43
..l.lll	389
...lllll	463, 809
.l.lll.	684
...lll.	337
23 _#	
lllllll	1434, 1520, 512

llllll.	577, 616
..lllll	1447
ll...l.	1498
.l.ll.l.	1505
l.l.l..	397
..l.l.l.	501
l.l...l.	588
ll.l....	709
...l...l	276
....ll..	379
..l...l.	1410
*ld	
1 V_V	
{ld}{ld}{ld}{ld}{ld}{ld}{ld}{ld}{ld}{ld}{ld}	1429
*lk	
1 i_a	
{lk}{lk}{lk}.....	46
2 V_V	
..{lk}{lk}{lk}{lk}...	207
3 u_a	
..{lk}{lk}{lk}{lk}{lk}.	1341
*lp	
1 V_V	
...{lϕ}{lϕ}{lp}.{lp}	1193
*lt	
1 V_V	
{lt}{lt}{lt}.....	1446
*lt	
1 u_a	
..{lt}{lt}.{lt}{lt'}	1042

³ Nasal element unexplained by historical phonology.

24 V_V	
r.r{rrr}	185
r.r{rr}.	664
....{rr}.	529
25 V_V	
rrrrrrrr	1082, 1093, 1265, 1409, 220, 72, 941
rrrrrr.r	1090
rrrrrrr.	1378
r.rrrrrr	1509
rrrrr.r	133
rrrr.r.r	1281
.rrrr.r	1356
rr..r.r	785
rrrr.r.	1301
rr..rrr.	1378
.rr..rrr	1403
rrrr.r..	529
.rr..rr.	732
rrr.r..	870
r..rrr..	969
.rrr.r.	1368
...rrr..	166
....rrr.	345
r...rr..	489
...rr.r	1296
.....rr	163, 487
r.....r.	431
...r.r..	559, 697, 738
....r.r.	647
.....r.r	2376

..r...r.	795
r....r..	1262
.r....r.	1517
26 V_V	
.r.r{rrr}.	67
rrrr....	66
rrr.....	705
rr.r....	780
r.r.....	779
...r...r	1376, 1376, 1473
.rr.....	1430
27 V_V	
..r{r ^h }r.r	1007
28 V_V>_h	
rrr.....	290
29 >V_V;i_a	
rrrr{r;r}r{r ^j }r	1010
30 V_w	
rr.rr...	55
31 _#>V_V	
.rrr....	561
32 _b	
...rrb.r	559
33 V_V>C_	
r.r.r.r	111
34 V_V>_n	
....r.n.	159
35 V_V>_f	
.r._.r	148
36 V_C	
..r..rrr	174
37 V_V>_l;n	
r..nrn.r	178
38 _C	
rr.....	237

39 C_>V_V	
rrrrr{t;r}rr	366
40 C_C	
rrrr.rrr	533
41 _-	
rrrrrrrr	1569
42 > ∫	
...∫//.	1542
43 _#>_V	
rr.....	239
44 >_#	
rrrrrr{r;t}.	1051
45 _#	
rrr{r;l}r{r;l}r{r;l}	509
46 >_#	
...r.{r ^j }r	408
47 _#	
rrrrrrrr	1020, 1391, 1525, 635, 998
.rrrrrrrr	1519, 1520, 1522, 1525, 1526, 412, 980
rrrr.rrr	1245
rrrr.r.	649
..rrrrrr	1523
..r.rrrr	711
..rr.rrr	831
.rrrr.r.	1488
.r.r.rrr	1516
rrr....r	270
...rrrr.	294
rr.r.r..	507

rrrr....	820
rrr...r.	1515
...rr.r	1518
.rr.r..	217
r.rr....	221
....rrr	639
rrr.....	830
....rr.	221
.rr.....	318, 573
.r.r....	340
r.r.....	611
....rr..	751
....r.r.	1402, 812
.....rr	1253
.r...r.	1413
.r...r.	1517
48 >_#	
rrr.rlr.	215
49 >_#	
lllr.rrr	90
50 >_#	
rrrrrrrr	1071, 213, 251, 302, 547, 569, 828
rrr.rrrr	2
rrrrrrr.	192
.rrrrrrr	222
rrrrr.r	503
rrrr.rrr	605
rr.r.rrr	260
r.rrrrr.	298
r.r.rrrr	613
..rrrrrr	815

l.l....	500
...l.l.	504
..l.l..	2378
5 V_V	
lr.....	29
6 V_V>_k	
ll...//.	247
7 >V_V	
.lll.lll	1023
8 _#	
l.rl....	2375
9 _#	
..l.l.l.	603
10 >_#	
llllllll	105, 250, 433, 440, 5, 557, 669, 71, 72
lllllll.	214, 58
l.lllll.	654
lll.lll.	667
l...llll	91
...lllll	668
..lll.ll	699
.ll.lll	1403
.ll.l.l.	131
....llll	253, 282
l.ll.l	1359
l...ll..	41
l....l.l	209
lll.....	264
.....ll.	508
ll.....	745

l.l.....	809
*sk	
1 V_V	
.....{sk}{sk}	696
*st	
1 V_V	
.....{st}{st}.	460
2 V_V	
{st}{st}{st}{st}{st}{st}{st}{st}{st}	1257
{st}.st}{st}.st}{st}{st}	1377
..st}{st}.st}.st}	570
{st}....st}{st}{st}	1377
3 V_V: Ts.	
{st}.st}{st}....	644
4 V_V>V_b	
..st}{st}{st}{st}{st}{st}	1523
*st^h	
1 V_V: Ts.	
.st}.....st ^h	403
*f	
1 #_	
sssffffh	1257, 1290, 1440, 1519, 1600, 1647, 1698, 676
sss.fffh	231
sss.f.fh	1245, 533
sssffff.	948
s.sffff.	298
sss.f.fh	630
.s.ffffh	1212

.ss.fffh	1315
...fffh	169, 301, 40
.s.ffff.	67
s...fffh	91
.ssfff..	144
.ssf.fff.	766
sss.f.f.	1301
.ss.f.fh	1403
.ss.fff.	1502
s.s.f.fff.	1693
...fffh	181, 83
..s.f.f.f.	238
...f.f.fh	266
...ffff.	337
s.s.f.f.f.	571
sss.f....	1021, 620
s.fff..	693, 969
..s.f.fh	804
s.s...f.h	899
s.f.f.fff.	1014, 1202
ss.f.f.f.	1030
sss...f.f.	1498
.s.f.f.f.f.	1505
...fff.f.h	1439
...fff.f.	291
...f.f.fh	408
.s...f.fh	458
s.s.f....	2375
.ssf....	561
ss.f....	709
...fff..	1261
...ff..	18
....ff.	1438, 523

.ss.....	800
.s.....h	818
....f.h	1405
2 #_	
sss{ts ^h }s{ts ^h }.	505
3 #_	
sssffffs	1328
sss.fff.s	2
ss.f.fff.s	1079
sss.f...	180
4 #_	
sssfff{s;h}	1086, 1525, 1526
5 i_a	
.s.f{f'}{f'}{f'}.	67
sss.f....	620
6 i_a	
sssff.f{f'}.	823
....f{f'}{f'}.	1542
7 >i_a	
....f.f{f'}.	261
8 >i_a	
....f.f.fh	1512
9 i_a;Vli_C>Cj	
..../{f'}.	94
10 u_a	
....{f ^w }{f'}f.	655
11 V_V	
s.s.f.s..	714
.s.f..χ	148
12 V_V	
...fffh	312
s...fffh	1416
.s.f..h	527
....f.h	1179
13 V_V	

4 C_VC	
w.w.....	809
*j	
1 V_V	
jjjjjj.	1398
jj.....	201
2 >V_V	
..j.j.	796
*ja	
1 Vh(C)_	
aaaa.o..	671
*w	
1 u_a	
ww ^{fi}	220
.....{w ^j }{w ^j }.	465, 820
2 V_V	
wwβ..w..	199
.....ww.	184
3 V_V	
wwww{w;b}ww.	712
wwww.w.w	1401
ww.....	470
4 V_V	
βwβwoww.	616
5 V_V	
uuuuwwww	792
6 V_V	
ww..wwww	1079
7 C_VC	
.../www/	809
8 C_V	
.....u/	487
9 I_V	
..mu....	343
10 C_V	

.ww..w..	217
.....ww	196
11 C_VC	
ww../...	55
*h	
1 #_	
hhhhhhhh	1429, 287, 324, 380, 428, 685
..hhhhhh	252
hhhh.hh.	1284, 360
hhh.hhh.	667
hhhh..h.	642
..hhhhh.	888
h..h.hhh	917
.hhhh.h.	1488
hhh..h..	199
..hhh...	1025
...h..h.	134
hh.....	252
....h.h.	395, 448
.....hh	487
.hh.....	2287
2 #_	
....h/hh	262
3 #_	
..h..hh{h;p ^h }	174
4 #_	
h..hhh/.	2287
5 #CV_V#	
/hhhhw/h	99
/.h.h...	256
...../h	2374

6 #CV_V#	
/hhh///	563
/.hh///	551
7 #CV_V#	
/hh.hhhh	335
8 u_a	
hhhhh{w ^j }{w ^j }h	127
9 V_V	
hhhh//.	154
hhhh//..	1572
...h///	1288
...h///	196
h.h.....	538, 623, 782
...h/..	707
...h./.	782
hh.....	816
..hh....	1316
10 V_V	
hhhhhhhh	703
..hh..hh	728
hhh...h.	1343
.....h.h	1405
11 V_V	
hhhh//h	1010
.h./..h	2379
12 V_V	
/hhh///	76
13 V_V	
hhh../h	194
hhhhh...	375
...h/h	1346
14 V_V{Ts.}	
...hhhh	154
15 V_V>r_	
/ ^h /.....	290

16 V_V>_C>C_	
/ ^h /h///	389
17 _#	
^h .h/./	582
18 >_#	
////////	1091, 1093
////////.	1090
*hr	
1 #_	
..{hr}../h.	395 ⁵
2 V_V: P.	
{hər}..{her}{her}{her}{her}{har}.	444
*i	
1 _(C)ɔ;o;ɛ	
iiiiiei	1011, 105
iiiiiei.	1378
..iiiei	1523
ii..iei.	1378
....ieii	89
...iee..	950
...i.ei.	1313
2 _(C)ɔ;o;ɛ	
u.i.æ..	226
4 #C_C-	
iiiiiei	1600, 1773, 1911, 1988
iiiiiee.	1997
..i.iee.	1826, 1827

⁵ Tatsama.

5 CVCx_CyV ⁶	
...ii//.	67
....i//.	834
....i/.	159
....i/..	347
.i.../..	1162, 1165, 1168
i.i.....	623
6 CVCx_CyV	
i//i//.	245
7 CVCx_CyV	
.iii//i	400
..ii..ii	728
8 CVCx_CyV	
////////	462
////./.	1174
9 VCx_CyV	
.i.../..	1159
10 CVCxC_a	
//.....	386
11 >CVCx_CyV	
ii.....	592
12 >CVCx_CyV	
//ijiii	1010
13 VCx_CyV	
///i/i.	2184
14 CVCx_CyV	
.i.i.i/i	1516
15 else >CVCx_CyV	
/ii...i.	1343
16 #>CVCx_CyV	
iiii/ii	72
17 CVC_VC	
iii/i/ii	547
18 V_	

...j.j.	1144, 1147
19 _#	
iiiiiii	1009, 1080, 114, 132, 1365, 155, 16, 296, 342, 563, 624, 633, 941
.iiiiiii	1510, 218, 333
iiii.i	389
iii.iii	1362, 494
iii.iii	533
iiiiii.i	731
.i.iiii	28
..iiiiii	1511, 252
iii.i.ii	349, 943
iii.ii.	1219, 360
iii..ii	378, 833
i.iiii.	664
iii.i.i	1281
.ii.iii	1419
i.ii.ii.	54
.ii.i.ii	464, 70
.i.iii.	307
iii.ii..	373
..i.iii	593
iiii.i..	617
.iiii..	606

⁶ Where Cx or Cy is a sonorant consonant.

...iiii	678
iii..ii.	1170
..iiii.	1341
iii....	141, 30, 424, 510, 66, 784
.i..iii.	149
....iiii	1259, 235, 398
...iiii.	1432, 287
ii...i.i	1443, 367
i.ii.i..	1029, 374
.i.i.ii.	451
ii..i.i.	486
...iii.i	559
i..i.ii.	272
.iii.i..	631
.ii.ii..	690, 788
i..iii..	693
..ii..ii	728
.ii..ii.	732
i.i.i...	68
iii....	1446, 84
.i....ii	458
....iii.	473
....i.ii	555, 785
.ii.i...	580, 743
..i..ii.	583
i.ii....	644
.iii....	663
.i..i.i.	777

...iii..	1369
...i...i	13, 1376
i....i..	23
....ii.	24, 355, 387, 460, 530
.ii.....	108, 536, 552
..i..i..	115
i.i.....	125, 452
ii.....	252
...i.i..	393, 420, 697, 707, 738
i.....i.	431
....i.i.	477, 647, 694
i.i....	553
..i.i...	554
.i....i	583
....i.i	2376
....i.i	681
.i.i....	685
.i...i..	2377
..i...i.	795
..ii....	1316
20_#	
.../i.ii	491
21_#	
iii/ii/.	225
22_#	
/ii.i/i.	12
....i.ii	1512

23 _#	
///iiii	1082
24 _#	
//iiii	1495
25 _#> else	
...i.i.	261
26 else > ?	
..i.ioii	389
27 else(_h)	
εεε..iii	194 ⁷
28 else	
iiiiiii	1072, 1081, 1291, 1328, 1422, 1429, 1444, 1494, 1526, 304, 324, 327, 342, 468, 513, 543, 558, 608, 635, 65, 671, 881, 894
iiiiiii.	1, 2283, 2284, 269, 505, 817
.iiiiiii	1002, 333,

	537, 722
i.iiii	1075, 1352, 1433
iiii.i	1406
iiii..	82
i.iiii.	551, 584
iii.i.ii	630
iii.ii.	645
iiii.i.	1222, 823
iii..ii	1351
.iii.ii	1356
...iiii	1288, 40, 812
.iiii..	144
i.i.iii.	545
iii..i.	1044, 642
..iiii.	763, 763, 888
ii..i.ii	785
iiii...	846
i.ii.ii.	1024
ii.iii..	1224
.iii.i.	1226, 1488
iii.i..	529
....iiii	109, 253, 398
.iii...	207
ii...ii.	247
iii.i...	315
i.i.i.i	321
...iii.	337
ii.i.i..	507
iii....	510,

⁷ Lowering unexplained by reconstructed regular processes. Perhaps conditioned by the following *h.

	620
ii...i.	11
...iii.	1542, 650, 94
...i.ii	121, 408, 846
...iii..	166, 985
.iii....	236, 236, 236
...i.ii.	315
..i..ii.	395
i.i.i.i..	397
iii.....	1032, 437, 502, 762
.i....ii	458
i.ii....	2375
...ii.i.	621
i....ii.	1324
.i..i.i.	1454
.ii...i.	1484
i.i.i.i...	256
..i..i..	6
....ii..	18
.....ii.	1219, 158, 247
...i.i.i..	161, 265, 466, 502, 568, 697
ii.....	237, 237
.ii.....	102, 322, 436, 552

..ii....	1316, 352
....i.i.	1512, 395, 694
.i....i	403
.....ii	487
...i..i.	782
i..i....	1189
...i...i	1473
.i...i.	1477
29 else	
i...iiie	91 ⁸
iΔi.....	46 ⁹
3 else >_(C)ɔ;o;ε	
iiii{i;e}i.	61
30 else	
iiiiiiie	543 ₁₀
31 else	
εeeeiii.	1051
32 else	
.iiie.i.	1198 ₁₁
33 else	
..iiiu.	1513
34 else: irreg.	
..i/i/ii	1523

⁸ Lowering in BN is unexplained by reconstructed regular processes.

⁹ RL vowel unexplained by regular processes.

¹⁰ BN lowering is unexplained.

¹¹ Lowering of SH vowel is unexplained and irregular. *i > /e/

*u	
1_(C)ɔ;ɔ;ε	
uuuuuuuu	1525
uuuuuuou.	948
uuuu.uuu	1245
..u.uuu	711
2_(C)ɔ;ɔ;ε	
uuuuuuouo	1022
3 #C_C-	
uuuuuuouu	1647, 1698, 1884, 2000
uuu.uouu	1583
uuuuu.ou	1913
uuuu.o..	1590
u.uu.oo.	1693
u.uu..o.	1797
....ouu	2012
4 VCx_(Cy)V ¹²	
///uuuu.	225
5 CVCx_CyV	
uu.u....	475
.u...u.	1517
6 CVCx_CyV	
/u/u.//.	1284
7 >CVCx_CyV	
..u.uu.	527
u/.....	239
8 CVCx_(Cy)V	
uu...//.	247
..././u	263
9 CVCx_(Cy)V	
...u/uu	262
10 CVCx_(Cy)V	

//.../u	367
//.....	470
11 CVCx_(Cy)V	
////u//	389
12 >CVCx_CyV{RL,SH,BH}	
./uu/u/u	777
13 CVCx_(Cy)V	
////////	512
14 _w	
uuuuuuuu	122
15 _#	
uuuuuuuuu	402, 566
uuu.uuuu	101, 262, 365
.uuuuuuu	549
uuuu.u.u	118
u..uuuuu	366, 446
.uuuuuu.	558
.uu.uuuu	1315
uuu.u.u.	216
....uuuu	802
..u..uuu	804
u..u.u..	321
....uuu.	345, 662
...u.uu.	434
uuu.....	662, 705
....u.uu	846
...u..u.	382
.uu.....	436, 515
....uu.	872
...u...u	1473
16 _#>C_C	
u.uuuuuu	551

¹² Where Cx or Cy is a sonorant consonant.

17 #_	
uu.....	1145
18 C_VC	
wwwuuuuuu	820
19 #_>_CC	
{wo}uuuuuu.	225
20 else;_(C)w	
əəuuuuuu	1525
21 else: Persian	
o.ouuuu.	1181
22 else>_a	
...u.o..	707
23 else	
{u;o}u.....	358
24 else	
uuuuuuuuu	1020, 1080, 110, 119, 127, 1290, 1400, 1522, 190, 293, 296, 302, 384, 405, 428, 438, 464, 47, 509, 517, 534, 547, 676, 828
uuuuuuuu.	1, 2283, 2284, 296, 577,

	88
.uuuuuuuu	1002, 1442, 222, 222
uuuuu.uuu	323, 533
uuuuuuu.u	485
uuuu.uuuuu	1322
uuuuu.uu.	54
uuuu.uuu.	215
uuuuuuu..	442
..uuuuuuu	1447, 532
uuuuu.u.u	544
u.u.uuuuu	613
u.uuuuuu.	664, 737
uuuu..uuu	1367, 852
uuuu.u.uu	943
uuuuuu.u.	1396
...uuuuuu	1073, 491, 56, 812
u..uuuu.u	178
uu.u..uu	591
.u.uuuuu.	684
uuuu...uu	734
.uuuuu.u.	1198
..uuuuuu.	1341, 1513
uuuuuu...	1453
uuuu....	108, 314, 66
uu.uu...	172
..u..uuu	174
..uuu.u.	238
...uuuuu.	294
u.uu.u..	1029,

	1029, 374
..uu.uu.	1042, 387, 990
.u.u.uu.	451
...uuu.u	1439, 506
...u.uuu	565
u..uuu..	693
uu...u.u	1207
uuu.u...	180
u...uu..	41
uuu.....	1449, 276, 586, 84, 93
...u.uu.	86
....u.uu	121, 555
u.u..u..	171
uu...u..	195, 223
u...u.u	209
uu.u....	340
....uuu.	493, 493, 529, 655
..u.u.u.	501
.u..u..u	2379, 527
..u..uu.	583
..u...uu	982
..uu...u	1340
u...u..u	1416
...uuu..	1486
u.u.u...	256
.uu.....	536, 60
.....uu	234, 2374

..u..u..	115
.....uu.	179, 465, 508, 535
u.u.....	188, 721, 779, 779
uu.....	239, 303
...u...u	276
.u.u....	541
..u.u...	554
.u.....u	583
....u..u	681
...u.u..	738
u..u....	1189
....u.u.	1402, 1507
.u....u.	1517
25 metathesis	
.uuuuuu.	366
26 else	
uuuuuuouu	1071
*uW	
1 a_a	
w{uw}{uh}{uw}{uw}{uw ^j }{uw ^j }{uw}	299
*uO	
1 _#	
..Λ.o.uu	242
2 1,else	
o.oo{uo}{uo}{uo}.	298

*O	
1 #_	
{wo}..o.oo.	480
..Λ.o.o.	1317
{wo}o.....	146
2 #_>_(C)Vh	
uoooooooo	1226
3 #_>_(C)Vh	
uu.uoo..	1228
4 _(C)Vh	
uoo.oooo	262
..oooooooo	678
....ooo.	345
....o.o.	261
5 _(C)Vh	
ooou....	141
....uoooo	253
6 _CVh?	
Λ.oo....	221
7 >_(C)Vh	
..o.ou.u	432
8 _(C)Vh	
.uu.oooo	1315
9 > Vh(C)_	
///o.ou.	1226
10 2/3 > Vh(C)_	
///o.ou.	1222
11 _(C)a	
ΛΛΛoooooo	1295, 1440
.ΛΛoooooo	246, 257, 607
..Λoooooo	1309
...oooooo	312
....oooo	341, 995
.ΛΛ...oo	208

...oo.	814
....oo.	50
Λ....o.	725
..Λ.o..	2378
.Λ....o	818
....o.o	991
....o.o.	1065
Λ....o..	1381
12 _(C)a	
ooo..oo.	42
13 _(C)a	
əΛ..oooo	1079
14 _(C)a	
.əΛ..oo.	732
15 _CCa	
ooo.....	331
16 _(C)Vh	
o.o...u	739
17 _(C)Ca	
.oΛ.....	594
18 >_w	
...o.ouu	196
19 else	
.Λ..oooo	314

20 else	
ooooo	1391, 495, 567, 625, 776, 875
oooooo.	192, 214
.oooooo	873
..ooooo	189
o.oooo.	211
.oooo.o	480
oooo..o	1201
o.o...o	899
...oo.o	1518
o.....o	95
...o.o.	448, 448
oo.....	1195, 745
o...o..	1262
....oo.	1416
21 else	
...oo{o;ɔ}oo	169 ¹³
22 else	
....o.ou	585
23 else > Vh(C)_: pronominals	
//.....	1230
24 1,else	
..o...o.	1410
25 else	
..o...u.	1413
26 _(C)ɔ	
oλλλo.o..	1249
*oj	

1 C_C	
{oj}{oj}{oj}{ɔj}{ɔj}{ɔj}{o j}.	106
2 #	
{oj}.{oj}{oj}{oj}{oj}{oj}{ oj}	682
{oj}{oj}{oj}{oj}..{oj}.	372
*e	
1 #_	
{jɛ}eee....	424
....æee	1143
2 #_	
eeeeæ.e	1090
...eeæe.	1144
3 #_	
eeeeæee	1158
4 #_	
æee...e.	1515
5 #_	
aaæeeæee	1210
6 #_	
{wɛ}eee....	1142
.ee...e.	1154
7 _(C)Vh	
iiiiee{e;i}	302
...e.e.	1144
8 >_CVh	
ε..eeee.	319
9 _(C)Vh	
...e.ii.	434
.i.ε..e	527
10 _(C)Vh	
...iie.	473

¹³ Lowering in TH and RP is as yet unexplained.

11 _(C)Vh	
...eee.e	506
..e.e.o.	501 ¹⁴
12 _(C)Vh	
..ε.ε.εε	242
əε.ε.e..	243
.....εε.	24
.ε...e..	1159, 1165
13 _(C)Vh	
εεieieei	70
14 _(C)Vh	
....ieie	235
15 >_CVh	
.ε.e....	235
16 <_(C)Vh	
εεεε....	784
17 _(C)Vh	
..εε.ee..	788
18 _(C)Vh	
εεεεεεεε	941
εεε..εε.	1170
19 #>_(C)Vh	
.εεεεεεε	1222
.ε.εεε..	1224
20 >_(C)Vh	
ε.ε...e.	1331
21 else;Vh(C)_	
..εεεεεε	1222, 1226
22 VhC_CVh	
εεεεεεε.	1378
23 Vh(C)_	
εε..εεε.	1378
24 #	

¹⁴ BN irregularity is unexplained.

.εε.εεε.	1067
εεεε....	1021, 1068
25 #	
..εεεεε.	1230
26 _w	
iiiε/æε.	616
27 C_V	
j.jεεεε.	305
...εεεεj	301
28 _w	
....ε/εε	83
29 1,else>_(C)Vh	
εεε.εæ.e	686
30 1,else>_(C)Vh	
....εæεε	1477
31 1,else>1,_CVh	
ε.εεεæεε	52
32 1,else	
εεεεεæεε	1093
.ε...æεε	618
33 1,else	
...εεæε.	1150
.....æεε	1149
34 1,else	
εεεεεæεε	557 ¹⁵
35 1,else	
εεε.eæεε	244
.εεεε...	493
...ε.æε.	1274

¹⁵ Raising possibly due to Hindi influence in MH and RL, and SCB influence in TH.

36 1,else	
εεεεεæεε	190
εεε.εæεε	409
.εεεεæεε	1217
εεεε...ε	1330
37 1,else	
εεεεεæεε	186, 274, 320
.εεεεæεε	1463
.εε.εæεε	787
.ε.εεæεε	1212
εε..εæε.	457
.εεε.æε.	766
ε.ε.εæε.	989
.εεεε...	300
...εεæε.	1153, 1175, 781
εεεε....	1148, 1151
εεε....ε	1164
...εε.εε	1518
...ε.æε.	126
εε...æ..	195
.εεε....	235
....εæε.	1333, 291
..ε.ε.ε.	350
..εεε...	1025
εεε.....	1167
....ε.εε	1354
...ε..ε.	134
εε.....	167
....æε.	1438, 184
ε..ε....	500
.εε.....	1436, 573
.....εε	316,

	696
ε.ε.....	782
..ε.ε...	790
...ε.æ..	1319
....ε.ε.	234
38 1,else	
.{jε}e{ε;e}εæεε	126
39 1,else	
εεε.εæεε	348
40 1,else	
...εæε.e	653
ε....æa.	493 16
41 1,else:_h	
ε.εεεεε.	444
42 1,else:_h	
εεε.εεεε	335
43 1,else:Hn?	
..e..εε.	896
44 1,else > Vh(C): pronominals	
iiiε.ei.	1226
45 else > 1,else	
.εεε.æεε	1214
46 else	
ε.εε.εεε	1377
.εεεε.e.	1187
.εε...e.	1154
47 else	
εεε.εε..	966
ε....εεε	1377
....εε..	1221
εε.....	1195
48 else: pronominal	
.εε/////	1212

¹⁶ BH /a/ unexplained

49 1,else	
.εε.ε.εο	329
50 else: pronominals	
.εε/////	1217
51 #> else: pronominals	
iiie.ei.	1222
.ii.....	1230
52 else	
.....εε	1179
53 #_	
{jε}εεεεεε{ε;e}	1078
*ɔ	
1_(C)Vh	
ελλοοοοο	155, 324, 563
.λλοοοοο	549
ε.λοοοοοο	1075
ελλ.οοοοο	1362
ελλοο.οο	1406
.λ.οοοοοο	28
ελλ.οοο.	215
.λλοοο.ο	400
ε.λοοοοο.	584
ελλο..οο	833
.λλοο.οο	1356
ελλ.ο.ο.	216
ελλο.ο..	529
.λ..οοο.	149
ελλο....	30, 314
...οοοο.	337
ελ.ο.ο..	507
...οοο.ο	559
ε..ο.οο.	272
....οοοο	802
..λ..οοο	804

ελλ...ο.	1343
ελλ.ο...	180
...οοο..	1369, 166
....οοο.	529, 834
ε.λο....	644
ελλ.....	1446, 662
....ο.ο.	1147, 159
..λο....	343
....οο.	355
ε.λ.....	452
.λ...ο..	1162
.....οο	234
2_(C)Vh	
.λ.ο.οɔο	1516
λλλ.....	502
3_(C)Vh	
..λ.υοοο	593
υ.λ.....	465
4_(C)Vh	
ολλοοοοου	365
5_(C)Vh	
.λ..ɔ..ο	2379
....ɔο.	1146, 460
6_CVh	
.λλοοοοοο	218
7_(C)Vh	
υ..υιοii	70
8_(C)Vh	
..υο.οο.	527
9_(C)Vh	
ελλυυοοοο	1009
10_(C)Vh	
ελλοοοοοο	1526

11 _(C)Vh;else	
...o.o.o	420
12 _(C)Vh	
əΛΛooooo	1429
13 _(C)Vh	
əəΛooooo	1072
14 >_(C)j	
ə.{Λ;u}o	305
15 _CxVhCya	
.ε.ooooo.	67
16 _(C)Vh;1,else	
ə.Λooooo	551
əΛ.o.o	1420
17 1,else>_(C)Vh	
ooauoo{o}	628
18 Vh(C)_(C)Vh	
...o.u..	697
19 _(C)Vh>2/3	
////..au	378
20 1,else>_(C)Vh	
...oooo.	968
21 Vh(C);else	
əΛ/oio/o	1011
22 _w	
əΛ.o....	709
23 _w	
əəəoooo.	712
24 1,else>_(C)Vh	
...oooo.	1147
..Λo....	1145
25 >_w	
ə..o.o.	1202
26 _w	
əəəu.u.u	1401
27 >_wu	
...ooo.e	1439

28 VC_C>VC	
/ΛΛo////	76
29 _#{Ts.}	
..Λo.o	123
30 _#{Ts.}	
...ooou	79 ¹⁷

¹⁷ Retention of final *o is due to Sanskrit borrowing.

31_#	
////////	105, 1071, 1072, 1078, 1084, 1086, 1087, 1089, 1091, 1093, 119, 135, 1426, 1535, 213, 224, 250, 251, 268, 283, 287, 293, 302, 31, 320, 324, 364, 380, 384, 4, 405, 433, 438, 440, 453, 469, 47, 481, 495, 499, 5, 51, 517, 518, 534, 547, 557, 567, 569, 625,

	669, 71, 72, 76, 828
///.///	2, 231, 348, 409, 526
/./////	52
////////.	1012, 1051, 192, 198, 214, 58, 88
///.///	378, 605, 90
./////	1013, 126, 222, 271, 537
////./	1090, 154, 485
////.//	503
//./////	519
/./////	156
.///.///	175
////.//	182, 544
../////	189, 815, 885
///.///	194
///.///.	215, 667
//.///	260
/./////.	1267, 298, 654
/.///	613

///.//	630
///.//.	686
./////.	1552, 704
////.//.	749
////.//.	823
/.////..	162, 6
////.//.	529, 7
/./////.	43
.../////	463, 56, 668, 809
/./////	692, 91
./////..	144
.//./////	314
.///.//.	323, 766
////.../	478
////.//.	642
.//./////.	684
.///.//	1007, 699
///.//.	1058
.//.//.	1502
////....	314, 39
.//.//.	131
.../////	154, 181, 253, 282, 308, 389, 560
.///.//.	238
//.//.//.	243
///...//.	259, 971
...//.//	266, 565

.//.//.	322
...////.	337, 479
///.//..	396
/.//.//.	480
...///.//	506, 653
/.//.//.	571
.//...//	208
.//.//.	527
/.//.//.	1359
/.//...//	22
/.//...//.	41
//.//...//	55
///.....	264, 267, 77
.//...//	85
/.//...//.	206
.//.//.//.	248
...//.//	408
.//.//.//.	527
...///.	529
.//.//.//.	700
//...//.	63
//.....	123, 1344, 146, 167, 201, 29, 303, 313, 745, 816
.//.....	60, 691, 756, 800
...//.//.	134
...//.//.	161, 576, 698

/./.....	188, 721, 809
/...../..	385
..//.....	483
.....//.	508
/...../.	758
.../.../.	778
./...../	818
32 #	
ΛΛ.0.000	1247
..Λ00...	1247
..Λ0....	1242
33 2/3	
Λ//...0.	1515
34 2/3	
..Λ/.0/00	1419
35 > 2/3	
///00.00	1164
36 > 2/3	
ə//00000	1158
37 2/3	
əΛ//000.	1012
38 2/3	
..././//	44, 593
///.....	30
/././.	272
//././.	1030
..././.	126
///.....	290
/...../.	431
39 > 2/3	
..ΛΛ.//.	322
0...//..	489
40 2/3	
/...../0	209

....0./.	647
41 2/3	
./...0	148
ə./.....	125
42 2/3;else	
./..0/00	973
43 else > 2/3	
ə//00000	1070
44 else > 2/3	
ə///0000	1022
45 else > 2/3	
...0.0/.	1313
..Λ.../.	1410
46 else > 2/3	
ə//0000.	1161
47 > 2/4	
./...0..	1168
48 1,else	
əΛΛ00000	1089
əΛΛ00.00	503
əΛΛ0000.	1012, 1398
əΛΛ000.0	1088
..ΛΛ0000.	356
əΛΛ0.0..	7
ə..0000.	103, 1167
..ΛΛ.000.	500
ə..0.000	917
əΛΛ.0.0.	1058
..ΛΛ00.0.	1187
əΛ.00.0.	2131
..Λ.0.00.	3
..ΛΛ.0.0.	131
...000.0	1193, 435
əΛ.0.0.	571
...0000.	610

ခ.လၢဝ.ဝ..	714
ခ..ဝၢဝ..	969
ခလ.ဝ.ဝ..	1250
.လလဝ..ဝ.	1368
ခလလ.....	325, 77
ခ....ဝၢ.	206
.လလဝ....	561
ခ.လ...ဝ.	588
ခလ...ဝ..	889
...ဝၢဝ.	1164, 1276
..လဝၢ...	1247
ခ.လ.....	125, 538
ခလ.....	201
....ဝၢ..	277, 379, 640, 751
....ဝ.ဝ.	1144, 1147, 515
...ဝ.ဝ..	559, 576
.လလ.....	691, 756, 800
..လ...ဝ.	1280, 778
.....ဝ.ဝ	1405
.လ.ဝ....	1505
49 1,else	
ခလလဝၢဝၢဝ{ဝ;ဝ}	1257
50 1,else	
လလလဝၢဝၢဝ{ဝ;ဝ}	1520
လ.လဝၢဝၢဝ{ဝ;ဝ}	1509
လလ.ဝ.ဝၢဝ{ဝ;ဝ}	1247
51 1,else	
ခလလဝၢဝၢဝ	1070, 1265
52 1,else	

...လ.ဝၢဝ	759
53 1,elses	
.လလဝၢဝ{ဝ;ဝ}.	704
54 1,else	
ခလခ.ဝၢဝၢဝ	2
55 1,else	
ခလလဝၢဝၢဝ{ဝ;ဝ}	1409, 1506, 5
.လလဝ.ဝၢဝ{ဝ;ဝ}	1023
ခလလဝ.ဝ. {ဝ;ဝ}	1499
56 1,else	
လလလဝၢဝၢဝ	1426, 1569, 71
လလလဝၢဝ.	1161, 496
လလလဝ.ဝၢဝ	605
.လလဝၢဝၢဝ	1013, 980
လလလဝၢဝ..	1572
..လဝ.ဝၢဝ	123
.လလ..ဝၢဝ	1403
လလလဝၢ...	1535
လလလ..ဝ..	396
လလလ....	1021
လလ.ဝ....	254
လလလ.....	830
လလ.....	123
လ....ဝ..	385
57 1,else	
လလလဝၢဝဝဝ	76 ¹⁸
..လ...ဝ.	1413

¹⁸ Raising is not as yet explained by a regular process, though the proximity to the labial nasal is a possible conditioning factor.

58 1,else ¹⁹	
.ΛΛΩΩΩΩ	412
ΛΛ.Ω.ΩΩ	260
.ΛΛ.ΩΩΩ	1419
...ΩΩΩΩ	301, 79
.Λ..Ω..Ω	148
.....ΩΩ	297
....ΩΩ.Ω	1346
.....Ω	163
59 1,else	
əəə{;0}.Ω	133
əə.....	313
...Ω.ə..	504 20
60 1,else	
əΛΛΩΩΩΩ	433
61 1,else	
Ω.ΛΩ.ΩΩ.	406 21
...ΩΩΩΩ	1303
62 1,else	
ə.ΛΩΩΩ.	654
əəΛ.....	290
63 1,else	
....ΩΩ.	987
..ΛΩ....	483 22
64 1,else:m_	
əΩ.Ω....	780
65 1,else: _m	
ΛΛΛ...ΩΩ	1200
66 1,else: _m	
ΛΩΛΩΩΩΩ	1519

¹⁹ In BN the *ɔ is variably raised to /o/ in the initial syllable.

²⁰ Irregularity in RP reflex has not been explained.

²¹ Unexplained raising in KS.

²² Raising of TH item unexplained.

67 else	
əΛΛΩΩΩΩ	1409, 1506, 5, 569
əΛΛΩ.ΩΩ	90
əΛΛΩΩ.Ω	503
əΛ.Ω.ΩΩ	260
əΛΛΩ.Ω.Ω	1499
..ΛΩΩΩ.	356
..ΛΩ.ΩΩ	831
..ΛΩΩ.Ω	1007
..ΛΛΩ.ΩΩ.	1012
..ΛΛ..ΩΩ	1403
..Λ.Ω.ΩΩ.	3
....ΩΩΩ	89
ə.Λ.Ω.Ω.	571
ə.ΛΩ.Ω..	714
ə..ΩΩ..	969
əΛΛ...Ω.	971
...ΩΩ.Ω	1193
ə....ΩΩ.	206
əΛΛ.....	267, 830
ə.Λ...Ω.	588
....ΩΩ	639
əΛ.Ω....	780
.....Ω	1253, 95
....ΩΩ.	221, 523
....ΩΩ..	277, 379
əΛ.....	313, 889
....Ω.Ω.	1144, 1147, 515
ə.Λ.....	538
..ΛΛ.....	573, 691

..Λ...o.	1280
.....o.ɔ	1405
...o.o..	559
68 else	
əλλoɔoɔo	1535
69 else	
λλλλoɔoɔo	1520
70 else	
əλλo..ɔ.	1301
71 else	
əλλooooo	1071
əλλ.ooooo	526
72 else	
əλλo{o;ɔ}ooo	1265
73 else	
λλλλoɔoɔo	1294 ²³
74 else	
λλλλoɔoɔo	1091, 1093
75 else	
.λλoooo	1013
Λ.Λo.ooo	1509
..Λ.oooo	711
76 else	
ə//oooo.	1167
...ooooa	668
77 else	
....oooo	181, 560
...o.o.	1276
λλ.....	29
.Λə.....	318
78 else	
əλλoɔoɔo	251

əΛ.ɔɔ.o.	2131
əλλo.....	39
...oɔo..	950
79 else	
əΛə{o;u}ooo	105
əΛə.....	77
80 else	
əΛəo.ooo	1245
əΛəoɔ.oɔ	133
81 else	
...oɔo.o	435
ə.o.o....	221
əΛ.....ɔ.	592
82 else	
.λλoɔoɔo	271
λλλλoɔo.ɔ	1090
83 else	
ə.Λooo/.	654
84 else	
.λλoɔoɔo	412
λλΛo.o.o.	649
λλΛo.....	1142, 1145, 1148, 1151, 1572
85 else: m_	
...oɔou.	1144, 1147, 1150, 1153
86 #> else	
əλλ./...	180
*ɔj	
1 1,else	
{əj}{Λj}{Λj}.....	264
.....{oj}{oj}.	221, 523

²³ This correspondence could possibly be for *o, rather than *ɔ. The change is irregular and unclear.

2 else	
{əi}{ʌj}{ʌj}{uj}{oj}{oj}{o j}{oj}	268
.{ʌj}{ʌj}.....	1430
3 #	
..{əj}..{oj}{oj}.	395
4 #	
...{əj}{əj}{əj}{əj}{əj}	1085
5 else	
.{oj}.{əj}{oj}{oj}{oj}{əj}	1270
*ɔu	
1_(C)Vh	
{ow}{ow}.oo..	690
*ɔw	
1 C_V	
u.uu.oo.	1076
2 C_C>C_V	
uuuuoooo	99
3 C_C	
.uuu.ooo	1214
.uuuooo.	1230
uu.u.o..	1233
uu.....	816
4 C_C	
.u.ə.o.	248
5 C_C	
wuuwooo.	58
6 C_C	
{əu}{ʌu}{ʌu}uuuuu	685
*ɔɔ	
1 #	
oʌʌoooo	117
2 #>_i	
ooo.ooo.	695
3 #	

.ʌʌ.o.oo	1320
oʌʌo.o..	1249
4 #	
....{ɔ;o}o.a	1346
..ʌ.o{ɔ;o}.	1255
*a²⁴	
1_CvhCa	
əʌ....a.	11
2_Cxu;i(Cy)a	
εεaaaaaa	220
3_Cxu;i(Cy)C>Vh(C)_	
əoəə/æa	389
4_Cxu(Cy)a	
əʌʌaaaa	685
...aaaaa	809
əʌ.aa...	55
əʌ...a..	470
əʌ.a....	475
.....aa.	465
5 >_Cxu(Cy)a	
əʌaaaa..	413
6_Cxu(Cy)a>C_(C)a	
əʌa{e;o}aaaa	428
7_Cxu(Cy)a	
ʌʌʌoaaaa	512
8_CxuCy_a	
o.o.....	809
9_Cxu(Cy)a	
əʌaaaaaa	820

²⁴ This reconstruction might be refined if the conditioning environment 'C_(C)Ca' was further divided into: 'C_(C)CaC', 'C_(C)Ca' and 'C_Cxa' where Cx is a sonorant consonant. It seems that shortening occurs:
/C_(C)CaC {RL, MH and KS}
/C_(C)Ca {KS} except for C_Cxa (where Cx is a sonorant consonant)

10 _Cxu(Cy)a	
ə.ə..aa.	1284
11 _Cxu(Cy)i	
uu...a.a	367
12 _Cxi(Cy)a	
əəəəəəəə	462
..əəəəə.	957
əə.....	386
13 _Cxi(Cy)a	
əəəəəəə.	245
14 _Cxi(Cy)a >_(C)Vh	
əəəəəəə	671
15 _Cxi(Cy)a	
ΛεΛα..a.	642
16 _Cxi(Cy)a	
əəəəəəə.	817
17 >_Cxi(Cy)a	
ə.a.....	623
18 _Cxi(Cy)a	
εεεεəəə.	2184
19 _Cxi(Cy)a	
əəəə..a.	1174
20 Vh(C)_	
aaaaaæə	122, 127, 1290, 1291, 1328, 1400, 1422, 1429, 299, 327, 468, 547, 820, 828
aaaaaæə.	1, 2184, 296, 428,

	817
.aaaaæə	1442, 1522, 1526, 722
aaaaaæ..	82
aa.aa.æə	190
..aaaæə	532
aaaa.æə.	645
a.aaaæə.	737
aaaaa.æ.	1396, 823
aaa..æə	194, 852
.a.aaæə	1270
aaaa.æ.a	1401
...aaæə	40
.aa.aæə.	505
aa.a..æə	591
aaaa..æ.	1044, 1174, 642
.a.aaæə.	684
..aaaæə.	1341, 1513, 888
aaa..æ.a	1367
...aæə	253, 398
aaa.a...	315
aaaa....	510, 620
..aaaæ..	702
a.a...æə	734
..aa.æə.	990
a.aa...a	1433
aa....æ.	11
aaa.....	1449, 437, 46, 502, 586, 93

...a.ææ.	315, 86
...aaæ..	1486, 166
a.a..æ..	171
.....ææa	174
aa...æ..	223
.a....æa	458
a.aa....	2375
....aææ.	1542, 650, 834
...a.æ.a	881
..a...æa	982
aa.a....	340, 475
a....æ.a	1207
a....ææ.	1324
.....æa	234, 2374, 487, 487
a...æ..	209
..aa....	352, 387
.a....a	403
.....ææ.	158, 179, 247, 465, 535, 94
.a.a....	541
...a.æ..	265, 466, 502, 568
.aa.....	102
aa.....	195, 386, 470, 592
....aæ..	347, 655

...a..æ.	782
....a.æ.	159, 395, 812
.a...æ..	1159, 1162, 1165, 1168
a.a.....	1343, 623
.a....æ.	1517
21 ja	
əai/εæεo	33
22 Vh(C)_	
a.ə.aææa	685
.o.aaææ.	67
23 Vh(C)_	
aaaaaaæa	513
aaa.aaæa	1477
.aaaaa.a	400
....aaæa	262
..aa.aæ.	1042
24 Vh(C)_	
aaəaaææa	65
25 VhC_CVh	
aaaa.//a	533
26 Vh(C)_	
Λaaaaææa	110
27 Vh(C)_ > _#	
....a.a.	263
28 Vh(C)_#	
oaaaaææa	304
29 jC_	
əaaaaæ.	106
30 η_r > ηr	
/.../.a	111
31 Vh_C > VC	
aaaa//.	154

32 _w>u-	
.....aa	196
33 w_C	
.Λa..a..	217
34 #C_C#	
.{əha}a.aa..	339
35 Vh(C)_	
aa...æ..	389
36 Vh(C)_>else	
aaaaaaaa	462
37 V_V	
...a.a..	466
38 Vh(C)_;#	
aaaa//æa	608
39 Vh(C)_	
oaaaaææa	676
40 Vh(C)_>o_	
...a.a..	707
41 <awa	
əaaa....	784
42 C_w>Cu	
////aaaa	792
43 >N_C>NC	
...../a/	1143, 1146, 1149
44 >_CC	
əa.a..a.	1030
45 _CC	
əaaaaaaaa	251
46 _CC	
əΛΛaaaaa	509
47 _CC	
əΛəa.aa.	360
48 >_CC	
Λ.....a.	431
49 #_CCu>#C_CCu	

aaaaeooa	384
50 C_(C)Ca	
əΛəaaaaa	74
.Λəa.aaa	175
əΛ.a.aa.	521
ə..aaaa.	2287
...aaaa	154
...a.aaa	245
...aaaa.	1251, 1432
.Λ.a.a.a	1306
ə..aa..a	1359
.....aaa	376
...aaa.	1203, 575
...a.aa.	1045
...aaa..	1261
....a.a.	414
...a.a..	604, 826
.....a.a	2376
51 C_(C)Ca	
ΛΛə/aaaa	299
52 C_(C)Ca	
Λ{a;ə}aaaaa	249
53 C_(C)Ca	
əaaaaaaaa	100
ə.aaaaaa	382
..aaaaaa	622
ə.a.aaa.	482
ə.aaa..a	522
..aaa.aa	699
əaa....a	270
ə.a..aa.	564
..aa.a.a	570
ə.a.aa..	585
əaa..a..	199
..a...aa	85

..aa.a..	232
.aa...a.	1154
54 C_(C)Ca	
.aəaaaa	10, 369
.aə..a..	217
Λ.ə.....	611
55 C_(C)Ca	
əəaaaaa	1266
əəa..a..	870
56 C_(C)Ca	
əəaaaaa	703
əəəaaa.a	154
əəəa....	1353
əəə.....	1268
57 C_(C)Ca²⁵	
aaaaaaa.	62
a.aaaaaa	185
aaa.aaa.	1305
a....aa.	87
..a...a.	1256
58 C_(C)Ca: _m	
..uaaaaa	815
59 C_(C)Ca	
Λ.Λa.aaa	582
60 _#	
aaaaaaa	100, 1210, 1257, 1266, 1294, 1314, 1440, 186, 190, 249,

²⁵ These clusters are C_Cxa where Cx is a sonorant. e.g. /r/ or /ŋ/. This further specification of conditioning environment should be included in further reconstruction.

	274, 33, 430, 792, 807, 99
aaaaaaa.	1308, 1398, 245, 540
.aaaaaaa	1212, 1217, 1463, 246, 257, 369
aaa.aaaa	335
aa..aaaa	1079, 244
a.aaaaa.	305, 444
..aaaaaa	622
.aa.aaaa	787
aaaa.aa.	996
.aaa.aaa	1214
aaa.aaa.	1305
aaa..aa.	42
..a.aaaa	382, 44
...aaaa	1303, 301
.aa.a.aa	329
a.a.aaa.	482, 989
aa.a.aa.	521
a.aa.aa.	1076
aaaa...a	1330
a...aaaa	1416
a.aa.a..	1029, 111
....aaaa	118, 341, 995
...a.aaa	245, 759

...aaaa.	1175, 1251, 332, 781, 781, 968
..aaaa..	413
.aaaa...	493
a.a..aa.	564
..aa.a.a	570
a.a.aa..	585
.a...aaa	618
..a...aaa	1048
aa.a.a..	1250
.a.a.a.a	1306
aaa..a..	199
a....aa.	493, 87
...a.aa.	1045, 126, 1274, 312, 814
aaa.....	1268, 290, 331
....aaa.	1333, 291, 457, 575, 987
...aa.a.	326, 699, 957
.a.aa...	375
....aaa	1143, 1146, 1149, 376
.a...a.a	973
...aaa..	1261
....a.aa	1354
.....aa.	1438, 165,

	184, 361, 50
..a...a.	107, 1256
....aa..	124, 489, 640
.....aa	163, 696
.aa.....	1430, 294, 594
..aa....	1250, 343, 455
....a.a.	1276, 414
a..a....	500
...a.a..	1319, 604, 826
a.....a.	725
..a..a..	2378
..a.a...	790
....a.a	991
a....a..	1381
61_#	
ΛΛaaaaaa	1295, 528
Λ.Λa.aaa	582
..Λaaaaa	1309
ΛΛ.a....	254
62_#	
..ΛΛ.ᄁaa.	500
63_#	
aa///a//	220
64_#	
Λaᄁaaaaa	48
Λ....a..	1262
65 else;C_w>Cu	
.../aaa.	781

66 else	
aaaaaaaa	1010, 1027, 1077, 1082, 1084, 1086, 1087, 1091, 114, 117, 118, 132, 135, 1365, 1434, 1495, 1510, 1537, 16, 1756, 224, 250, 283, 287, 31, 364, 380, 430, 433, 446, 453, 469, 48, 481, 499, 51, 518, 528, 566, 569, 624, 633, 669, 703, 72, 74, 808, 998

aaa.aaaa	101, 1028, 2, 231, 494, 880
.aaaaaaa	10, 1519, 1520, 271, 607, 777
aaaaaaa.	198, 540, 58, 616, 62, 712
a.aaaaaa	1511, 185
aaaa.aaa	323, 378
aa.aaaaa	519
aaaaaa.a	1090, 731
aaaa.aa.	34, 649, 749, 996
a..aaaaa	156
.aaa.aaa	175
aaaa.a.a	1281, 182, 182
a.aaaaa.	1267, 211, 551
..aaaaaa	1242, 252, 815, 885
.aaaaaa.	1552, 294
aaa.aaa.	373, 667, 695
aaa..aaa	1077
a.aa.aaa	1377

a.aaaa..	162, 6
a..aaaa.	2287, 43
..a.aaaa	44
a.aa.a.a	111
.a.aaaa.	307
aaaaa...	375
...aaaaa	1288, 463, 668, 809
aaaa...a	478
aaaa.a..	617
.aaaaa..	606
a...aaaa	692
..aa.aaa	831
a..a.aaa	917
aaa.aa..	966
aaa..a.a	968
.a..aaaa	973
..aaa.aa	1007
.aa.aaa.	1067, 1502
aa.aaa..	1224, 1228
.aa.a.aa	1320
.aaaa.a.	1488
...aaa.a	13
....aaaa	109, 1259, 154, 181, 262, 282, 308, 560, 83
..aaa.a.	238
aaa...a.	1498, 1515, 259, 971

...a.aaa	1033, 266
aaa....a	270
...aaaa.	1432, 287, 332, 479
.aa..aa.	322, 732
aaaa....	1068, 418
aa..a.a.	486
.aa...aa	208
.aaa.a..	631
..aa..aa	728
aaa..a..	870
a..a.aa.	1014
a..aa..a	1359
.aaa..a.	1368
a....aaa	1377
aa...a.a	1443
.a.aa.a.	1505
...aa.aa	1518
..a...aaa	1255
a.....aa	22
aa..a...	55
a.a.a...	68
..a...aa	85
....aaa.	1203, 1542, 662, 94
a...aa..	183, 183, 489
aa...a..	195
..aa.a..	232
.a.a.a.	248
....a.aa	1512, 263, 585

aaa.....	267, 325, 705
...aa.a.	326, 621
.aa.a...	580, 743
..a.a.a.	1317, 603, 700
...a.aa.	610
.....aaa	1535, 639
.aaa....	663
aa.a....	709
.aa...a.	1154
...aa..a	1296
.aa....a	63
..a.a..	6, 849
a...a..	23
aa.....	201, 29, 415, 816
...a.a..	1016, 265, 36, 393, 502, 698
..a...a.	107, 795
....aa..	1221, 124, 347
a.....a.	142, 758
.....aa.	158, 165, 361, 530, 530, 535, 627
.aa.....	318, 515

..aa....	455
....a.a.	1402, 1505, 477, 647
.....aa	1179, 1253, 487
a.a....	553
a.a.....	611, 782, 809
.....a.a	2376
...a..a.	796
.a.....a	818
...a...a	1376, 1376
67 else	
aaaao{a;ɔ}ɔ{a;ɔ}	4
..aa....	1250
aa.....	1344
.aa.....	2287
68 else	
εaaaaaaa	440 ₂₆
69 else	
.....εa	316 ₂₇
70 else	
əaaaaaaa	213, 38, 517
əaaa.aaa	90
71 else >_i	
aaa.aæa.	12
72 > Vh(C)_	
aa.a.aæ.	1222
.a.a.aæ.	1226

²⁶ Raising in KS is unexplained.

²⁷ Unexplained raising in BH. Possible that a high vowel previously occurred between the previous CC cluster?

73 else > C_(C)Ca	
aΛ.a.a..	1233
74 C_Cxa	
aaaaaaaa	1264
.aa.....	2287
75 _#	
ΛΛΛοaaaa	1264
76 _#	
aaaο.aa.	1284
77 _ja	
aaaο.aaa	1286
78 _#	
aaəa..a.	1301
aaəa....	1353
79 C_(C)C_#	
əaaaaaa.	1308
80 C_(C)Cxa	
əaaaaaaa	1314
...a...a	1376
81 Vh(C)_;_#	
ΛΛa.aæəa	1322
82 V(C)_;_#	
ΛΛΛο..əa	1351
83 Vh(C)_;_#	
Λ.Λοaæəa	1352
84 C_(C)Cxa	
aaaaaaaa	807
85 C_CxCa	
əaa..a..	1477
86 _Ca	
....a.ao	1512
87 Vh(C)_	
....ε.əa	1512
88 Vh(C)_	
.a.a.əaa	1516
89 Vh(C)_;else	

..aaaaəa	1523
90 >w_	
.aaaaaəa	1525
91 _Vi	
εεε.e.aa	349
92 #_CCa	
əaaaaaaa	213
93 n_m	
aaυ.aaaa	1625
94 else	
a.a..aa.	1994
*aj	
1 Vh(C)_	
a.{aj}.{aj}{æj}{æj}.	545
2 Vh(C)_	
ia{aj}{aj}{aj}{æj}{æj}.	269
3 _#	
{aj}{aj}{aj}{aj}{aj}{aj}{aj}{aj}	258
...{aj}..{aj}..	349, 504
4 _#	
.....{aj}{aj}e	297
5 _#	
{əj}..{aj}{aj}{oj}..{oj}	522
....{oj}..{aj}.	448
6 _#	
.a{aj}{aj}{aj}...	300
....{aj}..{əj}.	1065
7 else	
{əj}εε.{aj}{aj}{aj}a	526
....{aj}..{aj}.	1176
*aw	
1 _#	
{aw}{aw}{aw}..{aw}..{aw}	643
{aw}	

{aw}{aw}{aw}..{aw}{aw} {aw}	702
.{aw}.{aw}{aw}{aw}{aw}	200
..{aw}{aw}.{aw}{aw}{aw}	410
.....{aw}{aw}.	179, 336
2 #C_C#	
{əw}{aw}.....	137
3 #C_Ci#	
..{Λw}...{aw}..	2377
4 #C_Ca	
..{Λw}{ow}{ow}{ow}..	702
*~	
1/1	
~//~//	1084, 287, 293, 31, 51
~/.~//	231
~/.//	643
~/.~/.	410
.../.~//	266
.../~//	308
~/.//...	580
...//./.	621
2 1/1	
~//////	469
3 1/1	
~//~//	268
...~//	169
4 1/1	
/.//~/.	480
5 1/2 > 1/1	
...//..	115
6 1/1:irreg.	

~{Ø;~}{Ø;~}...	1087
7 1/2	
~//////	48
~/.//	734
~/.//	1320
~/.//.	322
~////..	631
~////..	693
~/.//...	254
~/.//...	318
8 1/2	
~//////	127
9 1/2	
../.~/.	583
..n//...	541
10 1/2	
~//.//.	695
11 1/2	
~//~//	1286
12 1/1 > 1/2	
~/.~//	1322
13 2/2	
//////~	117
...//~	79
..//.~	242
*~j	
1 V_V	
{~j}{~h}~im{~j}ηj	33
*~W	
1 V_V	
...m{o~}m{~w;ηw}	83
2 u_a	
{~w}{~w}{~w}{~w}w{m ^j ;~ w ^j }{m;η}η	122