

Fuzzy Reconstructions

Confused Sounds

sound A	sound B	occurrences	cognate sets
4	1	14	487 589 80 281 46 161 386 119 858 314 217 140 706 36
4	3	9	589 118 119 477 169 414 333 880 36
-	?	9	779 935 52 727 386 635 595 920 12
i	e	8	729 394 22 414 105 646 400 12
ŋ	-	7	61 72 93 727 781 36 164
2	3	7	283 118 565 477 595 646 793
ʔs	s	6	536 569 574 580 735 541
ʔk	g	6	180 246 140 788 793 190
2	4	6	72 180 80 618 118 477
r	j	6	6 280 288 864 520 323
k	-	5	838 52 635 314 36
i	a	5	838 288 119 580 735
b	ʔp	5	858 30 507 36 38
a	u	5	72 804 125 580 323
-	r	5	280 288 194 194 168
-	m	5	438 72 119 713 36
k	k. ⁴	4	197 315 232 196
i	ai	4	280 714 884 357
d	ʔt	4	80 66 880 890
ŋ	ʔŋ	3	930 119 924
1	3	3	589 119 36
t	p	3	930 858 686
p	ʔp	3	864 849 36
k	ʔk	3	280 253 811
a	a.ŋ	3	71 589 614
ŋ	n	2	61 562
ŋ	m	2	72 36

sound A	sound B	occurrences	cognate sets
2	1	2	80 727
u	u	2	125 232
u	o	2	618 797
m	p	2	94 94
k	ʔ	2	52 635
k	ŋ	2	589 36
k	t	2	858 580
j	ʔj	2	221 555
i	u	2	562 580
ai	ai. ¹	2	708 907
a	ε	2	386 735
-	t	2	72 386
-	j	2	280 288
ʔt	dz	1	884
ʔs	ʔŋ	1	580
ʔl	l	1	367
ʔk	ʔtʃ	1	635
ʔk	ʔm	1	288
ŋ	ʔr	1	614
ŋ	ʔ	1	727
ŋ	t	1	72
tʃ	ʔts	1	647
tʃ	dz	1	636
t	ʔ	1	386
t	t. ⁴	1	581
s	ʔŋ	1	580
s	ʃ	1	565
r	p	1	94
r	m	1	94
p	b	1	36
n	-	1	61
m	t	1	72
m	dʒ	1	94
k	tʃ	1	636
k	p	1	858
k	m	1	36
k	g	1	148
k	dz	1	636
j	ʔ	1	400
i	u	1	714
i	ε	1	735
i	ui	1	52

sound A	sound B	occurrences	cognate sets
g	dz	1	144
e	a.ŋ	1	589
dʒ	ʔtʃ	1	641
dʒ	p	1	94
dʒ	dz	1	131
dz	ʔts	1	88
d	tʃ	1	618
d	dz	1	105
b	tʃ	1	52
ai	u	1	714
a	u	1	125
a	o.ŋ	1	115
a	e	1	589
a	ai	1	635
a	a.n	1	683
-	ʔn	1	220
-	ʔtʃ	1	635
-	ʔk	1	635

Individual Alignments with Fuzzy Reconstructions

COGID 197 / «afraid, be»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan			∅	∅	∅	∅	∅
Atsi			∅	∅	∅	∅	∅
Bola			∅	∅	∅	∅	∅
Lashi			∅	∅	∅	∅	∅
Maru	afraid, be	0	k	j	au	k	³¹
OldBurmese	afraid, be	0	k	r	ɔ	k	-
Rangoon			∅	∅	∅	∅	∅
Xiandao			∅	∅	∅	∅	∅
Fuzzy			g:100	r:100	u:100	k:80 k. ⁴ :20	¹ :100
ProtoBurmish			g	r	u	k	⁴

COGID 61 / «level / flat»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	level / flat	0	tɕ	a	ŋ	31
Atsi	age	0	ts	a	n	51
Bola	animals (twelve) representing the twelve years	0	t	ẽ	-	55
Lashi	age	0	ts	a	n	31
Maru	injure / hurt (the arm)	0	t	ẽ	-	31
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	door	0	t	ã	-	22
Xiandao	level / flat	0	tɕ	a	ŋ	31
Fuzzy			d:100	a:100	ŋ:80 n:10 -	1:100
ProtoBurmish			d	a	m	1

COGID 536 / «shy, be / bashful»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	shy, be / bashful	1	s	ɔ	ʔ	55
Atsi	all / whole, the	0	p	a	n	21
Bola	shy, be / bashful	0	x	a	ʔ	55
Lashi	all / everything	1	ɟ	ɔ	ʔ	55
Maru	steam	0	s	o	ʔ	55
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	all / everything	1	tθ	ɑ	-	53
Xiandao	steam	0	s	ɔ	ʔ	55
Fuzzy			ʔs:70 s:30	a:100	k:100	4:100
ProtoBurmish			ʔs	a	k	4

COGID 6 / «all / everything»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	all / everything	1	p	ɬ	a	55
Atsi			Ø	Ø	Ø	Ø
Bola			Ø	Ø	Ø	Ø
Lashi			Ø	Ø	Ø	Ø
Maru	step / stride	0	p	j	ɛ	31
OldBurmese			Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4
Fuzzy			b:100	r:90 j:10	a:100	¹ :100
ProtoBurmish			b	r	ɛ	¹

COGID 838 / «classifier for age»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	classifier for age	0	ṇ̊	ə	k	⁵⁵
Atsi	angry, be / take offense	1	j	o	-	²¹
Bola	heart	1	l	a	m	³¹
Lashi	angry, be / take offense	1	j	ɔ:	-	³³
Maru	angry, be / take offense	1	j	o	-	³¹
OldBurmese	heart	0	n ^h	a	c	-
Rangoon	classifier for age	0	ṇ̊	i	ʔ	⁴
Xiandao	classifier for age	0	ṇ̊	ɣ	k	⁵⁵
Fuzzy			² n:100	i:60 a:40	k:70 :30	⁴ :100
ProtoBurmish			² n	i	k	⁴

COGID 438 / «eye»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	eye	0	-	ṇ̊	ɔ	ʔ	⁵⁵
Atsi	day (first of lunar month)	0	-	l	ǎ	-	²¹
Bola	eye	0	m	j	a	ʔ	³¹
Lashi	day (first of lunar month)	0	-	l	ǎ	-	⁵⁵
Maru	dawn (the day)	0	m	j	ɔ	ʔ	³¹
OldBurmese	angry, be / take offense	0	m	j	a	k	-
Rangoon	day (first of lunar month)	0	-	l	ɑ	-	⁵³
Xiandao	eye	0	-	ɲ	ɔ	ʔ	⁵⁵
Fuzzy			m:70 :30	j:100	a:100	k:100	⁴ :100

language	concept	pos	S1	S2	S3	S4	S5
ProtoBurmish			m	j	a	k	⁴

COGID 280 / «sad»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	sad	0	tɕ ^h	-	i	-	³⁵
Atsi	ankle	0	k	-	u	-	²¹
Bola			Ø	Ø	Ø	Ø	Ø
Lashi	calf	0	k ^h	j	ei	-	³³
Maru	ankle	0	k ^h	j	i	k	³¹
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon	ankle	0	tɕ ^h	-	e	-	²²
Xiandao	ankle	0	tʃ ^h	-	i	-	⁵⁵
Fuzzy			² k:50 k:50	j:70 - :20 r:10	i:70 ai:30	-:100	³ :100
ProtoBurmish			² k	j	ai	³	

COGID 729 / «dead»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi	dead	0	ʃ	i	-	⁵¹
Bola	arrow	1	ʃ	ɿ	-	³⁵
Lashi	dead	0	ʃ	əi	-	³³
Maru	dead	0	ʃ	i	k	³¹
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	die	0	tθ	e	-	²²
Xiandao	dead	0	ʃ	ɿ	-	⁵⁵
Fuzzy			ʃ:100	i:90 e:10	-:100	³ :100
ProtoBurmish			ʃ	i	³	

COGID 394 / «ask / question»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	ask / question	0	ɲ	-	i	-	³¹
Atsi	ask / question	0	m	j	i	-	²¹
Bola	ask / question	0	m	-	əi	-	³¹
Lashi	ask / question	0	m	j	e:i	-	³³
Maru	ask / question	0	m	j	i	k	⁵⁵
OldBurmese	hate	0	m	-	u	n	⁵
Rangoon	ask / question	0	m	-	e	-	⁵⁵
Xiandao	ask / question	0	n	-	i	-	³¹
Fuzzy			m:100	:-100	i:50 e:50	:-100	² :100
ProtoBurmish			n	e	²		

COGID 72 / «ask s.b. to come here / fetch»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi	ask s.b. to come here / fetch	0	v	u	t	²¹
Bola	fly	0	t	ṣ	-	³¹
Lashi	ask s.b. to come here / fetch	0	j	u:	t	³¹
Maru	basket carried on the back	0	t	ṣ	-	³⁵
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	fly	0	j	ĩ	-	²²
Xiandao	fly	0	tɕ	a	m	⁵⁵
Fuzzy			d:100	a:90 u:10	t:50 :-30 m:10 ŋ:10	² :70 ⁴ :30
ProtoBurmish			d	a	ŋ	²

COGID 71 / «ask s.b. to come here / fetch»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	
Atsi			Ø	Ø	Ø	
Bola	ask s.b. to come here / fetch	0	j	ṣ	⁵⁵	
Lashi			Ø	Ø	Ø	
Maru	ask s.b. to come here / fetch	0	j	ṣ	³¹	
OldBurmese			Ø	Ø	Ø	
Rangoon			Ø	Ø	Ø	
Xiandao			Ø	Ø	Ø	
Fuzzy			j:100	a.ŋ:90 a:10	¹ :100	
ProtoBurmish			j	a	ŋ	¹

COGID 784 / «askew / awry / slanting»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan			Ø	Ø	Ø	Ø	Ø
Atsi	askew / awry / slanting	0	-	j	o	n	⁵⁵
Bola	askew / awry / slanting	0	-	j	a	k	⁵⁵
Lashi	askew / awry / slanting	0	-	j	u:	n	⁵³
Maru	askew / awry / slanting	0	-	j	a	k	⁵⁵
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon	turn one's head to the back	1	p	j	ã	-	²²
Xiandao			Ø	Ø	Ø	Ø	Ø
Fuzzy			:-100	j:100	i:100	k:100	⁴ :100
ProtoBurmish			[?] j	i	k	⁴	

COGID 221 / «doze / nod off»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	doze / nod off	0	-	i	t	⁵⁵
Atsi	asleep, fall	0	j	u	p	⁵⁵
Bola	asleep, fall	0	j	a	p	⁵⁵

language	concept	pos	S1	S2	S3	S4
Lashi	asleep, fall	0	j	u:	p	55
Maru	asleep, fall	0	j	a	p	31
OldBurmese	dream	0	-	i	p	-
Rangoon	sleep	0	-	e	?	4
Xiandao	asleep, fall	0	-	i	t	55
Fuzzy			j:90 [?] j:10	i:100	p:100	4:100
ProtoBurmish			j	i	p	4

COGID 779 / «stutterer»

language	concept	pos	S1	S2	S3
AchangLongchuan	stutterer	0	ɕ	ɔ	55
Atsi	at the bottom of (a hill)	0	-	ɔ	51
Bola	below / under	1	-	a	55
Lashi	stutterer	0	w	ɔ	55
Maru	at the bottom of (a hill)	0	-	ɔ	31
OldBurmese			Ø	Ø	Ø
Rangoon	lower part of / lower reaches	1	tɕ	e	22
Xiandao	lower part of / lower reaches	1	t ^h	ɛ	31
Fuzzy			ʔ:70 [?] :-:30	a:100	1:100
ProtoBurmish			ʔ	a	1

COGID 487 / «aunt (father's sister)»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi	aunt (father's sister)	0	-	-	a	55
Bola	cut up (vegetable)	0	n	-	ai	55
Lashi	be (in the house)	0	ŋ	j	ei	31
Maru			Ø	Ø	Ø	Ø
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	aunt (father's sister)	0	-	-	a	53
Xiandao	aunt (father's sister)	0	n	-	ai	55
Fuzzy			n:100	:-:100	ai:100	1:80 ⁴ :20
ProtoBurmish			n	ai	1	

COGID 935 / «axe»

language	concept	pos	S1	S2	S3
AchangLongchuan	axe	0	-	u	³¹
Atsi	brains	0	-	u	²¹
Bola	brains	0	-	ũ	³¹
Lashi	axe	0	w	o	³³
Maru	brains	0	-	au	³⁵
OldBurmese	brains	0	-	u	⁵
Rangoon	brains	0	-	u	⁵⁵
Xiandao	brains	0	-	u	³¹
Fuzzy			ʔ:50 :-:50	u:100	² :100
ProtoBurmish			ʔ	u	²

COGID 93 / «granddaughter»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	granddaughter	1	ts	ɔ	-	³¹
Atsi	day (second of lunar month)	1	s	i	k	⁵⁵
Bola	fabric (silk)	1	t	a	-	³¹
Lashi	day (second of lunar month)	1	l	ə	ŋ	⁵⁵
Maru	baby	0	ts	ʃ	-	³⁵
OldBurmese	play / amuse oneself	1	c	a	-	⁵
Rangoon	day (second of lunar month)	1	s ^h	ã	-	⁵⁵
Xiandao	day (second of lunar month)	1	s	ɔ	ŋ	³⁵
Fuzzy			dz:100	a:100	-	² :100
ProtoBurmish			dz	a	:90 ŋ:10 ²	

COGID 589 / «flight of steps»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	flight of steps	1	t ^h	ə	k	³⁵

language	concept	pos	S1	S2	S3	S4
Atsi	back	1	k ^h	u	ŋ	⁵¹
Bola	chin	1	t ^h	ẽ	-	⁵⁵
Lashi	back	1	k ^h	u	ŋ	³³
Maru	chin	1	t ^h	ẽ	-	³¹
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	flight of steps	2	t ^h	i	ʔ	⁴
Xiandao	back	1	t	u	-	⁵¹
Fuzzy			t:100	a.ŋ:40 a:40 e:20	ŋ:90 k:10	¹ :70 ⁴ :20 ³ :10
ProtoBurmish			t	a	ŋ	¹

COGID 94 / «bee»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	bee	0	tɕ	w	a	³¹
Atsi			Ø	Ø	Ø	Ø
Bola	weasel (yellow)	1	tɕ	-	a	³¹
Lashi			Ø	Ø	Ø	Ø
Maru			Ø	Ø	Ø	Ø
OldBurmese			Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø
Fuzzy			dʒ:80 m:10 p:10	m:50 r:30 p:20	a:100	² :100
ProtoBurmish			dʒ	a		²

COGID 180 / «beggar»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	beggar	0	tɕ	-	a	m	³¹
Atsi	upstairs	0	k	j	a	m	²¹
Bola	downstairs	0	k	j	ẽ	-	³¹
Lashi			Ø	Ø	Ø	Ø	Ø
Maru			Ø	Ø	Ø	Ø	Ø
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø	Ø
Fuzzy			g:70 ² k:30	j:100	a:100	m:100	² :90 ⁴ :10

language	concept	pos	S1	S2	S3	S4	S5
ProtoBurmish			g	j	a	m	²

COGID 80 / «belly»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	belly	1	t	au	³¹	
Atsi			Ø	Ø	Ø	
Bola	belly	1	t	au	³¹	
Lashi	belly	1	t	ou	³³	
Maru	belly	1	t	u.k	³¹	
OldBurmese			Ø	Ø	Ø	
Rangoon			Ø	Ø	Ø	
Xiandao			Ø	Ø	Ø	
Fuzzy			d:80 [?] t:20	u:100	-:100	⁴ :80 ¹ :10 ² :10
ProtoBurmish			d	u	²	

COGID 52 / «east»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	east	0	p	ui	-	⁵⁵
Atsi	birthday	0	tʃ ^h	o	?	⁵⁵
Bola	birthday	0	tʃ ^h	a	?	⁵⁵
Lashi	east	0	p	ei	-	³¹
Maru	east	0	p	a	-	³¹
OldBurmese			Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø
Fuzzy			b:70 tʃ:30	ui:60 i:40	-	¹ :100
ProtoBurmish			b	ui	:80 k:10 ?:10 ¹	

COGID 714 / «mow / cut (grass)»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	mow / cut (grass)	0	z _l	i	t	55
Atsi	intestine	0	-	u	-	51
Bola			Ø	Ø	Ø	Ø
Lashi	intestine	0	-	u	-	33
Maru	intestine	0	-	a	-	-
OldBurmese	intestine	0	-	u	-	-
Rangoon	intestine	0	-	u	-	22
Xiandao	blacksmith	0	ʂ	a	m	55
Fuzzy			-:100	u:80 ai:10 i:10	-:100	1:100
ProtoBurmish			ʔ	u	1	

COGID 253 / «put into a container / pack»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	put into a container / pack	0	x	a	t	55
Atsi	blade (of grass)	0	k ^h	a	t	55
Bola			Ø	Ø	Ø	Ø
Lashi	blade (of grass)	0	k ^h	a	t	55
Maru			Ø	Ø	Ø	Ø
OldBurmese			Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø
Fuzzy			k:80 ʔk:20	a:100	t:100	4:100
ProtoBurmish			k	a	t	4

COGID 569 / «blood»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	blood	0	s	ui	-	31
Atsi	blood	0	s	ui	-	21
Bola			Ø	Ø	Ø	Ø
Lashi	blood	0	s	ui	-	55
Maru	blood	0	s	a	-	35
OldBurmese	blood	0	s	u	j	5
Rangoon			Ø	Ø	Ø	Ø
Xiandao	blood	0	s	ui	-	31

language	concept	pos	S1	S2	S3	S4
Fuzzy			² s:70 s:30	ui:100	-:100	² :100
ProtoBurmish			² s	ui	²	

COGID 283 / «snap / break (a stick)»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	snap / break (a stick)	0	k ^h	z _l	au	³¹
Atsi	blow (one's nose)	0	k ^h	j	ui	²¹
Bola	blow (one's nose)	0	k ^h	j	u	³⁵
Lashi	blow (one's nose)	0	k ^h	j	a:u	⁵³
Maru			Ø	Ø	Ø	Ø
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	snap / break (a stick)	0	tɕ ^h	-	o	⁵⁵
Xiandao	snap / break (a stick)	0	k ^h	z _l	au	³¹
Fuzzy			k:100	j:100	u:100	³ :90 ² :10
ProtoBurmish			k	j	u	³

COGID 281 / «horn»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan			Ø	Ø	Ø	Ø	Ø
Atsi	horn	0	k ^h	j	ui	-	⁵¹
Bola	horn	0	k ^h	j	u	-	⁵⁵
Lashi	horn	0	k ^h	j	ou	-	³³
Maru	blow (one's nose)	0	k ^h	j	u	k	⁵⁵
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon	horn	0	tɕ ^h	-	o	-	²²
Xiandao			Ø	Ø	Ø	Ø	Ø
Fuzzy			k:100	j:100	u:100	-:100	¹ :90 ⁴ :10
ProtoBurmish			k	j	u	¹	

COGID 46 / «soul / spirit»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan			Ø	Ø	Ø	Ø	Ø
Atsi	soul / spirit	1	p	j	o	-	⁵¹
Bola	break up (meeting) / end	0	p	j	a	-	⁵⁵
Lashi	soul / spirit	1	p	j	u	-	³¹
Maru			Ø	Ø	Ø	Ø	Ø
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon	blue	0	-	n	ε	ʔ	⁴
Xiandao	soul / spirit	1	p	z _l	ɔ	-	⁵⁵
Fuzzy			b:100	j:100	a:100	-:100	¹ :90 ⁴ :10
ProtoBurmish			b	j	a	¹	

COGID 288 / «dung (horse)»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	ɰang (horse)	0	m̥	z _l	a	ŋ	³¹
Atsi			Ø	Ø	Ø	Ø	Ø
Bola			Ø	Ø	Ø	Ø	Ø
Lashi			Ø	Ø	Ø	Ø	Ø
Maru			Ø	Ø	Ø	Ø	Ø
OldBurmese	borrow (money)	0	k ^h	j	i	j	⁵
Rangoon			Ø	Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø	Ø
Fuzzy			² m:70 ² k:30j:40 r:30 -		i:80 a:20	-	² :100
ProtoBurmish			² k	j	i	²	:100

COGID 246 / «branch / twig»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	ɰ branch / twig	1	k	z _l	a	ŋ	⁵⁵
Atsi	branch / twig	1	k	j	a	ŋ	⁵¹
Bola	branch / twig	1	k	-	a	ʔ	⁵⁵

language	concept	pos	S1	S2	S3	S4	S5
Lashi	branch / twig	1	k	-	ɔ̃	ʔ	⁵⁵
Maru	branch / twig	1	k	-	ɔ̃	ʔ	⁵⁵
OldBurmese	branch / twig	1	k ^h	-	a	k	-
Rangoon	difficult	0	k ^h	-	ɛ	ʔ	⁴
Xiandao	branch / twig	1	x	-	ɔ̃	ʔ	⁵⁵
Fuzzy ProtoBurmish			^ʔ k:90 g:10 ^ʔ k	-:100 a	a:100 k	k:100 ⁴	⁴ :100

COGID 148 / «bud»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	bud	0	k	a	n	³¹
Atsi			Ø	Ø	Ø	Ø
Bola	difference / distinction	1	k ^h	a	ʔ	⁵⁵
Lashi	difference / distinction	1	k ^h	a	ʔ	⁵⁵
Maru	loom	1	k	a	ŋ	³⁵
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	loom	1	k	ã	-	⁵⁵
Xiandao	loom	1	k	a	n	⁵¹
Fuzzy ProtoBurmish			k:90 g:10 g	a:100 a	n:100 n	² :100 ²

COGID 66 / «burn»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi			Ø	Ø	Ø	Ø
Bola	burn	0	t	ɛ	ʔ	³¹
Lashi			Ø	Ø	Ø	Ø
Maru	burn	0	t	ɛ	ʔ	³¹
OldBurmese			Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4
Xiandao			Ø	Ø	Ø	Ø
Fuzzy			d:90 ² t:10	a:100	p:100	⁴ :100
ProtoBurmish			d	a	p	⁴

COGID 930 / «read»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	read	0	n	ai	-	³⁵
Atsi	count (numbers)	0	ŋ	a	p	⁵⁵
Bola	count (numbers)	0	ŋ	ɛ	ʔ	⁵⁵
Lashi	count (numbers)	0	ŋ	a:	p	⁵⁵
Maru	calculate	0	ŋ	ɛ	ʔ	⁵⁵
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	needle	0	-	a	ʔ	⁴
Xiandao	needle	0	-	a	p	⁵⁵
Fuzzy			ŋ:50 ² ŋ:50	a:100	p:80 t:20	⁴ :100
ProtoBurmish			² ŋ	a	p	⁴

COGID 220 / «he»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	he	0	ŋ	-	a	ŋ	³¹
Atsi	he	0	-	j	a	ŋ	²¹
Bola	call together / convene	0	-	j	ɔ̃	-	³¹
Lashi	he	0	ŋ	j	a	ŋ	³³
Maru	gather / assemble	0	-	j	ɔ̃	-	³⁵
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø	Ø
Xiandao	he	0	j̥	-	a	ŋ	³¹
Fuzzy			-	j:100	a:100	ŋ:100	² :100
ProtoBurmish			:80 ² j:20	j	a	ŋ	²

COGID 161 / «warm oneself by (a fire)»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	warm oneself by (a fire)	0	k	w	a	ŋ	55
Atsi	chest	1	k	-	a	ŋ	51
Bola	life span	0	k	-	ṣ	-	55
Lashi	warm oneself by (a fire)	0	k	-	a:	ŋ	31
Maru	life span	0	k	-	ṣ	-	31
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon	chest	1	-	b	a	ʔ	4
Xiandao	chest	1	-	p	ɔ	ŋ	55
Fuzzy			g:100	-:100	a:100	ŋ:100	1:90 ⁴ :10
ProtoBurmish			g	a	ŋ	¹	

COGID 194 / «weave / knit»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	weave / knit	0	ʔ	w	a	ʔ	55
Atsi	weave / knit	0	-	v	o	ʔ	21
Bola	weave / knit	0	ɣ	-	a	ʔ	31
Lashi	weave / knit	0	-	j	ɔ:	ʔ	31
Maru	chicken	0	ɣ	-	ɔ	ʔ	31
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon	weave / knit	0	-	j	ɛ	ʔ	4
Xiandao	weave / knit	0	ʔ	-	ɔ	ʔ	55
Fuzzy			-:80 r:20	r:80 -:20	a:100	k:100	4:100
ProtoBurmish			r	a	k	⁴	

COGID 727 / «child»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	child	1	-	oi	-	31
Atsi	shepherd boy	3	ʃ	a	ŋ	51
Bola	shepherd boy	3	ʃ	õ	-	55
Lashi	shepherd boy	3	s	a	ŋ	31
Maru	child	1	ʃ	õ	-	31
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	child	1	l	e	-	55
Xiandao	shepherd boy	3	v	ui	-	31
Fuzzy			ʃ:100	a:100	-:60 ŋ:30 ʔ:10	1:90 2:10
ProtoBurmish			ʃ	a	ŋ	1

COGID 781 / «chin»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi	chin	0	-	a	m	51
Bola	chin	0	-	ẽ	-	55
Lashi	chin	0	ŋ	a	m	33
Maru	chin	0	-	ẽ	-	31
OldBurmese			Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø
Fuzzy			-:80 ŋ:20	a:100	m:100	1:100
ProtoBurmish			ʔ	a	m	1

COGID 115 / «chop / hew»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	chop / hew	0	tɕ	e	n	31
Atsi			Ø	Ø	Ø	Ø
Bola			Ø	Ø	Ø	Ø
Lashi	open up wasteland	1	p ^h	ɔ	n	55
Maru			Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	open up wasteland	1	tɕ	ĩ	-	²²
Xiandao	chop / hew	0	t	ɛ	n	³¹
Fuzzy			dz:100	a:90 o.ŋ:10	n:100	² :100
ProtoBurmish			dz	a	n	²

COGID 555 / «divide family property and live apart (offspring)»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	divide family property and live apart (offspring)	0	-	i	n	⁵⁵
Atsi	divide family property and live apart (offspring)	0	j	u	m	⁵¹
Bola	classifier for rooms	0	j	a	m	⁵⁵
Lashi	foundation	0	j	ɔ	m	³³
Maru	divide family property and live apart (offspring)	0	j	a	m	³¹
OldBurmese	house	0	-	i	m	-
Rangoon	house	0	-	ẽ	-	²²
Xiandao	classifier for rooms	0	-	i	n	⁵⁵
Fuzzy			j:90 [?] j:10	i:100	m:100	¹ :100
ProtoBurmish			[?] j	i	m	¹

COGID 144 / «trunk»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	trunk	1	ts	-	e	ŋ	⁵⁵
Atsi	classifier for trees	0	k	-	a	m	⁵¹
Bola	classifier for trees	0	k	-	ẽ	-	⁵⁵
Lashi	classifier for trees	0	k	-	a	m	³¹
Maru	classifier for trees	0	k	-	ẽ	-	³¹
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon	divide family property and live apart (offspring)	1	k ^h	w	ɛ	-	⁵⁵
Xiandao	trunk	1	tʂ	-	u	ŋ	⁵⁵
Fuzzy			g:90 dz:10		a:100	m:100	¹ :100
				:100			

language	concept	pos	S1	S2	S3	S4	S5
ProtoBurmish			g	a	m	¹	

COGID 562 / «claw / talon»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	claw / talon	1	p ^h	z̥	ai	-	⁵⁵
Atsi	claw / talon	0	-	s	a	n	²¹
Bola			∅	∅	∅	∅	∅
Lashi	claw / talon	1	-	s	ə	ŋ	⁵⁵
Maru	claw / talon	1	-	s	a	ŋ	³⁵
OldBurmese			∅	∅	∅	∅	∅
Rangoon	liver	1	-	tθ	ɛ	-	⁵⁵
Xiandao	liver	1	-	ʃ	u	ŋ	³¹
Fuzzy			-:100	s:100	i:70 u:30	ŋ:90 n:10	² :100
ProtoBurmish			s	i	ŋ	²	

COGID 386 / «coal»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	coal	0	m	ei	-	³¹
Atsi	ink	0	m	ə	-	²¹
	(Chinese)					
Bola	coal	0	m	ɛ	ʔ	³¹
Lashi	ink	0	m	ə	k	³¹
	(Chinese)					
Maru	coal	0	m	ɛ	ʔ	³¹
OldBurmese			∅	∅	∅	∅
Rangoon	coal	1	m	i	-	⁵⁵
Xiandao			∅	∅	∅	∅
Fuzzy			m:100	a:90 ɛ:10	t:70 ʔ:20 -:10	⁴ :90 ¹ :10
ProtoBurmish			m	a	t	⁴

COGID 864 / «comb»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	comb	0	p ^h	z _l	a	³¹
Atsi	comb	0	p	j	e	²¹
Bola			Ø	Ø	Ø	Ø
Lashi			Ø	Ø	Ø	Ø
Maru	comb	0	p	j	ε	³⁵
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	comb	0	b	-	i	⁵⁵
Xiandao	comb	0	p ^h	-	ε	³¹
Fuzzy			² p:90 p:10	r:80 j:20	ε:100	² :100
ProtoBurmish			² p	r	ε	²

COGID 804 / «cough»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	cough	1	tʂ ^h	-	au	-	³¹
Atsi	cough	0	k ^h	j	u	ŋ	²¹
Bola	cough	0	k ^h	j	au	ŋ	³⁵
Lashi	cough	0	k ^h	j	u	ŋ	⁵⁵
Maru			Ø	Ø	Ø	Ø	Ø
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon	cough	0	tɕ ^h	-	ãu	-	⁵⁵
Xiandao	cough	0	k ^h	z _l	o	ŋ	³¹
Fuzzy			k:100	j:100	u:70 a:30	ŋ:100	² :100
ProtoBurmish			k	r	u	ŋ	²

COGID 618 / «cough»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi	cough	1	ts	au	-	²¹
Bola	cough	1	t	au	-	³¹
Lashi	cough	1	ts	a:u	-	⁵⁵
Maru	widow	0	tʂ ^h	u	k	⁵⁵
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	cough	1	s ^h	o	-	⁵⁵

language	concept	pos	S1	S2	S3	S4
Xiandao	cough	1	tʂ ^h	au	-	³¹
Fuzzy			d:70 tʃ:30	u:90 o:10	-:100	² :90 ⁴ :10
ProtoBurmish			tʃ	u	²	

COGID 118 / «thumb»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	thumb	1	m	ɔ	ʔ	³¹
Atsi	thumb	1	m	o	-	⁵⁵
Bola			Ø	Ø	Ø	Ø
Lashi	thumb	1	m	o	-	⁵⁵
Maru	day (first of lunar month)	1	m	ɔ	-	⁵⁵
OldBurmese	cow	1	m	a	ʔ	-
Rangoon	thumb	1	m	ɑ	-	⁵³
Xiandao	thumb	1	m	ɔ	-	³¹
Fuzzy			m:100	a:100	-:100	³ :40 ⁴ :30 ² :30
ProtoBurmish			m	a	³	

COGID 119 / «cow»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	cow	1	-	ts	e	ŋ	³⁵
Atsi	cow	1	m	j	<u>i</u>	-	⁵⁵
Bola	cow	1	-	t	a	ŋ	⁵⁵
Lashi	cow	1	m	j	i	-	⁵³
Maru	cow	1	-	ts	a	ŋ	³¹
OldBurmese	sickle	1	-	c	a	ɲ	-
Rangoon	cow	1	m	-	ɑ	-	⁵³
Xiandao	cow	1	m	-	ɔ	-	³¹
Fuzzy			-	dz:100	a:60 i:40	ŋ:90 ² ŋ:10	³ :70 ¹ :20 ⁴ :10
ProtoBurmish			dz	i	ŋ	¹	

COGID 641 / «cramped / narrow»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi			Ø	Ø	Ø	Ø
Bola	cramped / narrow	0	tʃ	ɛ	ʔ	⁵⁵
Lashi			Ø	Ø	Ø	Ø
Maru	cramped / narrow	0	tʃ	ɛ	ʔ	⁵⁵
OldBurmese			Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø
Fuzzy			dʒ:60 ² tʃ:40	a:100	p:100	⁴ :100
ProtoBurmish			² tʃ	a	p	⁴

COGID 565 / «surname / name (family)»

language	concept	pos	S1	S2	S3
AchangLongchuan			Ø	Ø	Ø
Atsi	surname / name (family)	0	x	u	⁵⁵
Bola	walk	0	s	ɔ	³⁵
Lashi	surname / name (family)	0	x	u	⁵⁵
Maru			Ø	Ø	Ø
OldBurmese	gum	0	s	u	⁵
Rangoon	flow (of water)	0	s	i	⁵⁵
Xiandao	crawl (of insects)	0	s	o	³¹
Fuzzy			ʃ:70 s:30	o:100	² :70 ³ :30
ProtoBurmish			ʃ	o	²

COGID 477 / «day after tomorrow»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	day after tomorrow	1	ɲ	-	e	n	³¹
Atsi	day's (journey)	0	ɲ	j	i	-	⁵⁵
Bola	day's (journey)	0	n	-	ɛ	ʔ	³¹
Lashi	day's (journey)	0	ɲ	j	ei	-	⁵⁵

language	concept	pos	S1	S2	S3	S4	S5
Maru	day after tomorrow	2	n	-	ɛ	ʔ	31
OldBurmese	shoe	1	n	-	a	p	-
Rangoon	every day	0	n	-	e	-	53
Xiandao	day after tomorrow	0	ṇ	-	a	-	31
Fuzzy			n:100	-:100	a:100	p:100	⁴ :70 ² :20 ³ :10
ProtoBurmish			n	a	p	⁴	

COGID 858 / «throw / hurl»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan			Ø	Ø	Ø	Ø	Ø
Atsi			Ø	Ø	Ø	Ø	Ø
Bola	throw / hurl	0	p	j	ɛ	ʔ	55
Lashi			Ø	Ø	Ø	Ø	Ø
Maru	throw / hurl	0	p	j	ɛ	ʔ	55
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon	destroy / exterminate	1	p	j	õ	-	55
Xiandao			Ø	Ø	Ø	Ø	Ø
Fuzzy			b:80 ² p:20	j:100	a:100	t:60 p:30 k:10	¹ :90 ¹ :10
ProtoBurmish			² p	j	a	t	⁴

COGID 125 / «fever, have»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	fever, have	2	-	p	a	n	31
Atsi			Ø	Ø	Ø	Ø	Ø
Bola			Ø	Ø	Ø	Ø	Ø
Lashi	dig / scoop out	0	t	-	u:	-	33
Maru	dig / scoop out	0	t	-	au	-	35
OldBurmese	dig / scoop out	0	t	-	u	-	5
Rangoon	dig / scoop out	0	t	-	u	-	55

language	concept	pos	S1	S2	S3	S4	S5
Xiandao	turtledove	1	t ^h	j	au	-	⁵¹
Fuzzy			d:100	:-100	u:60 u:30 a:10	:-100	² :100
ProtoBurmish			d	u	²		

COGID 635 / «maize / corn»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	maize / corn	0	x	au	-	³¹
Atsi	dig out with finger	0	tʃ ^h	o	ʔ	⁵⁵
Bola			∅	∅	∅	∅
Lashi	kitchen	1	tʃ	au	-	⁵³
Maru			∅	∅	∅	∅
OldBurmese			∅	∅	∅	∅
Rangoon	navel	0	tɕ ^h	ɛ	ʔ	⁴
Xiandao	kitchen	0	c	ɔ	-	⁵⁵
Fuzzy			ʔk:60 ʔtʃ:30	a:90 ai:10	-	⁴ :100
			:10		:80 k:10 ʔ:10	
ProtoBurmish			ʔtʃ	a	k	⁴

COGID 636 / «navel»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			∅	∅	∅	∅
Atsi			∅	∅	∅	∅
Bola	navel	0	tʃ ^h	a	ʔ	⁵⁵
Lashi			∅	∅	∅	∅
Maru	dig out with finger	0	tʃ ^h	ɔ	ʔ	⁵⁵
OldBurmese			∅	∅	∅	∅
Rangoon			∅	∅	∅	∅
Xiandao			∅	∅	∅	∅
Fuzzy			tʃ:80 k:10 dz:10	a:100	p:100	⁴ :100
ProtoBurmish			tʃ	a	k	⁴

COGID 314 / «line (of wheat)»

language	concept	pos	S1	S2	S3	S4	S5	S6
AchangLongchuan	line (of wheat)	0	x	z _l	w	a	-	55
Atsi	that side / there	1	-	-	m	a	-	55
Bola			Ø	Ø	Ø	Ø	Ø	Ø
Lashi	that side / there	1	-	p ^h	j	a	ŋ	55
Maru	downwards	1	k ^h	-	j	ɔ	-	31
OldBurmese			Ø	Ø	Ø	Ø	Ø	Ø
Rangoon	on (the table)	1	-	p	-	ɔ	-	22
Xiandao	road	1	-	-	m	ɔ	-	31
Fuzzy			k:90 -:10	-:100	r:100	a:100	-:100	1:70 4:30
ProtoBurmish			k	r	a	1		

COGID 383 / «dream»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	dream	1	m	ɔ	ʔ	55
Atsi	dream	1	m	o	ʔ	21
Bola	dream	1	m	a	ʔ	55
Lashi	dream	1	m	ɔ	ʔ	31
Maru	dream	1	m	ɔ	ʔ	31
OldBurmese	dream	1	m	a	k	-
Rangoon			Ø	Ø	Ø	Ø
Xiandao	dream	1	m	ɔ	ʔ	55
Fuzzy			m:100	a:100	k:100	1:100
ProtoBurmish			m	a	k	4

COGID 169 / «drop»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	drop	0	k	z _l	w	a	35
Atsi			Ø	Ø	Ø	Ø	Ø
Bola			Ø	Ø	Ø	Ø	Ø
Lashi			Ø	Ø	Ø	Ø	Ø
Maru	drop	1	k	-	j	ɔ	55
OldBurmese			Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5
Rangoon			Ø	Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø	Ø
Fuzzy			g:100	-:100	r:100	a:100	³ :80 ⁴ :20
ProtoBurmish			g	r	a	³	

COGID 22 / «give»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan			Ø	Ø	Ø	Ø	Ø
Atsi	give	0	p	j	i	-	²¹
Bola			Ø	Ø	Ø	Ø	Ø
Lashi			Ø	Ø	Ø	Ø	Ø
Maru	give	0	p	j	i	k	⁵⁵
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon	give	0	p	-	e	-	⁵⁵
Xiandao	escape / run away	0	p	-	i	-	³¹
Fuzzy			b:100	j:100	e:80 i:20	-:100	² :100
ProtoBurmish			b	j	e	²	

COGID 249 / «fetch / draw (water)»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi	fetch / draw (water)	2	k ^h	a	m	⁵¹
Bola	fetch / draw (water)	1	k ^h	ẽ	-	⁵⁵
Lashi	fetch / draw (water)	1	k ^h	u:	-	⁵⁵
Maru	fetch / draw (water)	1	k ^h	ẽ	-	³¹
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	fetch / draw (water)	1	k ^h	a	ʔ	⁴
Xiandao	fetch / draw (water)	1	k	ɣ	-	⁵⁵
Fuzzy			k:100	a:100	-:100	⁴ :100
ProtoBurmish			k	a	m	¹

COGID 595 / «finger (little)»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	finger (little)	1	-	oi	-	31
Atsi	finger (little)	1	t ^h	a	ŋ	51
Bola	finger (little)	1	t ^h	õ	-	35
Lashi	finger (little)	2	tʃ ^h	a	m	55
Maru	finger (little)	1	t ^h	õ	-	55
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	finger (little)	1	tθ	ã	-	55
Xiandao	finger (little)	1	ts	ɔ	-	31
Fuzzy			t:100	a:100	-:80 ʔ:20	3:60 2:40
ProtoBurmish			t	a	ŋ	3

COGID 614 / «fling / toss»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	
Atsi			Ø	Ø	Ø	
Bola			Ø	Ø	Ø	
Lashi			Ø	Ø	Ø	
Maru	fling / toss	0	t	õ	35	
OldBurmese	firewood	0	t ^h	a.ŋ	5	
Rangoon			Ø	Ø	Ø	
Xiandao			Ø	Ø	Ø	
Fuzzy			ʔt:100	a:90 a.ŋ:10	ŋ:90 ʔr:10	2:100
ProtoBurmish			ʔt	a	ŋ	2

COGID 367 / «flea»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi	flea	1	l	ai	-	21
Bola			Ø	Ø	Ø	Ø
Lashi	flea	1	l	ei	-	55
Maru	flea	1	l	a	-	35
OldBurmese	flea	0	l ^h	i	j	5
Rangoon	flea	0	ɬ	e	-	55
Xiandao	flea	1	l	ai	-	31
Fuzzy			ʔl:90 l:10	i:100	-:100	2:100

language	concept	pos	S1	S2	S3	S4
ProtoBurmish			ʔ ₁	i	²	

COGID 414 / «forget»

language	concept	pos	S1	S2	S3	S4	S5	S6
AchangLongchuan			Ø	Ø	Ø	Ø	Ø	Ø
Atsi	forget	1	m	j	<u>i</u>	-	-	⁵⁵
Bola	forget	1	m	-	əi	-	-	³¹
Lashi	forget	1	m	j	e:i	-	-	⁵³
Maru			Ø	Ø	Ø	Ø	Ø	Ø
OldBurmese	remember	1	m	-	i	j	ʔ	-
Rangoon	remember	1	m	-	i	-	-	⁵³
Xiandao	forget	1	n	-	i	-	-	³⁵
Fuzzy			m:100	:-100	e:90 i:10	:-100	:-100	^{3:50 4:50}
ProtoBurmish			m	i	³			

COGID 797 / «frighten / scare»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	frighten / scare	0	x	z _ɿ	o	ʔ	⁵⁵
Atsi	frighten / scare	0	k	j	<u>u</u>	ʔ	⁵⁵
Bola	frighten / scare	0	k	j	au	ʔ	⁵⁵
Lashi	frighten / scare	0	k	j	<u>u</u> :	k	⁵⁵
Maru	frighten / scare	0	k	j	au	k	⁵⁵
OldBurmese	seven	0	k ^h	r	ɔ	k	-
Rangoon	six	0	-	tɕ ^h	au	ʔ	⁴
Xiandao	six	0	-	tʃ ^h	u	ʔ	⁵⁵
Fuzzy			ʔk:100	r:100	u:60 o:40	k:100	^{4:100}
ProtoBurmish			ʔk	r	u	k	⁴

COGID 647 / «muntjac / deer (barking)»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi	muntjac / deer (barking)	1	tʃ ^h	i	-	⁵¹
Bola	muntjac / deer (barking)	1	tʃ ^h	i	-	⁵⁵
Lashi	twenty	1	ts ^h	e	-	³³
Maru			Ø	Ø	Ø	Ø
OldBurmese	ghost / spirit	1	tʃ ^h	i	j	-
Rangoon	ghost / spirit	1	s ^h	e	-	²²
Xiandao	twenty	1	s	au	-	⁵⁵
Fuzzy			² ts:80 tʃ:20	i:100	-.:100	¹ :100
ProtoBurmish			tʃ	i	¹	

COGID 105 / «ride (a horse)»

language	concept	pos	S1	S2	S3
AchangLongchuan			Ø	Ø	Ø
Atsi	ride (a horse)	0	tʃ	i	²¹
Bola	tower / pagoda	1	t	i	³¹
Lashi	ride (a horse)	0	tʃ	j:	³³
Maru			Ø	Ø	Ø
OldBurmese	ride (a horse)	0	c	i	⁵
Rangoon	tower / pagoda	1	t	i	²²
Xiandao	give	0	ts	i	³¹
Fuzzy			dz:90 d:10	i:80 e:20	² :100
ProtoBurmish			dz	e	²

COGID 333 / «go / leave»

language	concept	pos	S1	S2	S3
AchangLongchuan			Ø	Ø	Ø
Atsi	go / leave	0	l	o	⁵⁵
Bola			Ø	Ø	Ø
Lashi	go / leave	0	l	ɔ:	⁵⁵
Maru	go / leave	0	l	ɔ	⁵⁵
OldBurmese			Ø	Ø	Ø
Rangoon			Ø	Ø	Ø
Xiandao	go / leave	0	l	ɔ	³⁵

language	concept	pos	S1	S2	S3
Fuzzy			l:100	a:100	³ :60 ⁴ :40
ProtoBurmish			l	a	³

COGID 30 / «guest»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi	guest	0	p	i	ŋ	⁵⁵
Bola	guest	0	p	a	ŋ	³⁵
Lashi	guest	0	p	ə	ŋ	⁵⁵
Maru	guest	0	p	a	ŋ	⁵⁵
OldBurmese			Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø
Fuzzy			b:80 ² p:20	i:100	ŋ:100	³ :100
ProtoBurmish			b	i	ŋ	³

COGID 529 / «send / dispatch (a person)»

language	concept	pos	S1	S2	S3
AchangLongchuan	send / dispatch (a person)	0	s	i	⁵⁵
Atsi			Ø	Ø	Ø
Bola			Ø	Ø	Ø
Lashi			Ø	Ø	Ø
Maru			Ø	Ø	Ø
OldBurmese	hail	1	s	i	-
Rangoon			Ø	Ø	Ø
Xiandao			Ø	Ø	Ø
Fuzzy			[?] s:100	i:100	¹ :100
ProtoBurmish			[?] s	e	¹

COGID 315 / «rise / stand up»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi			Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4
Bola	rise / stand up	0	t	a	ʔ	⁵⁵
Lashi			∅	∅	∅	∅
Maru			∅	∅	∅	∅
OldBurmese	half	0	t ^h	a	k	-
Rangoon			∅	∅	∅	∅
Xiandao			∅	∅	∅	∅
Fuzzy			^ʔ t:100	a:100	k:90 k. ⁴ :10	¹ :100
ProtoBurmish			^ʔ t	a	k	⁴

COGID 168 / «hear»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	hear	0	k	z̥	w	a	³¹
Atsi			∅	∅	∅	∅	∅
Bola			∅	∅	∅	∅	∅
Lashi			∅	∅	∅	∅	∅
Maru			∅	∅	∅	∅	∅
OldBurmese	hear	0	k	-	r	a	⁵
Rangoon			∅	∅	∅	∅	∅
Xiandao			∅	∅	∅	∅	∅
Fuzzy			g:100	-:90 r:10	r:100	a:100	² :100
ProtoBurmish			g	r	a	²	

COGID 310 / «turtledove»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan			∅	∅	∅	∅	∅
Atsi			∅	∅	∅	∅	∅
Bola			∅	∅	∅	∅	∅
Lashi			∅	∅	∅	∅	∅
Maru	turtledove	1	k	j	u	k	⁵⁵
OldBurmese	horn	0	k ^h	j	ui̯	-	-
Rangoon			∅	∅	∅	∅	∅
Xiandao			∅	∅	∅	∅	∅
Fuzzy			^ʔ k:100	j:100	u:100	-:100	⁴ :100
ProtoBurmish			^ʔ k	j	u	¹	

COGID 880 / «infect»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	infect	0	tʂ ^h	a	p	35
Atsi	infect	0	t	o	ʔ	55
Bola	infect	0	t	ɛ	ʔ	55
Lashi	infect	0	t	a:	p	31
Maru	infect	0	t	ɛ	ʔ	55
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	paste / stick / glue	0	k	a	ʔ	4
Xiandao	infect	0	tʂ ^h	a	p	35
Fuzzy			² t:50 d:50	a:100	p:100	⁴ :70 ³ :30
ProtoBurmish			² t	a	p	4

COGID 713 / «iron»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	iron	0	ʂ	a	m	55
Atsi			Ø	Ø	Ø	Ø
Bola	iron	0	ʃ	ẽ	-	55
Lashi			Ø	Ø	Ø	Ø
Maru	iron	0	ʃ	ẽ	-	31
OldBurmese			Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø
Fuzzy			ʃ:100	a:100	m:90 :-:10	¹ :100
ProtoBurmish			ʃ	a	m	1

COGID 507 / «kick»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi	kick	0	p	i	k	55
Bola	kick	0	p	a	k	55
Lashi	kick	0	p	ə:	k	55
Maru	kick	0	p	a	k	55
OldBurmese			Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4
Xiandao			Ø	Ø	Ø	Ø
Fuzzy			b:80 [?] p:20	i:100	k:100	⁴ :100
ProtoBurmish			[?] p	i	k	⁴

COGID 88 / «kitchen»

language	concept	pos	S1	S2	S3
AchangLongchuan			Ø	Ø	Ø
Atsi			Ø	Ø	Ø
Bola			Ø	Ø	Ø
Lashi			Ø	Ø	Ø
Maru	kitchen	0	ts	ɔ	³¹
OldBurmese	learn	0	c	a	-
Rangoon			Ø	Ø	Ø
Xiandao			Ø	Ø	Ø
Fuzzy			[?] ts:70 dz:30	a:100	¹ :100
ProtoBurmish			dz	a	¹

COGID 708 / «last year»

language	concept	pos	S1	S2	S3
AchangLongchuan	last year	0	s	i	³¹
Atsi			Ø	Ø	Ø
Bola			Ø	Ø	Ø
Lashi			Ø	Ø	Ø
Maru			Ø	Ø	Ø
OldBurmese	sand	0	s	ai	⁵
Rangoon			Ø	Ø	Ø
Xiandao			Ø	Ø	Ø
Fuzzy			[?] s:100	ai:90 ai. ¹ :10	² :100
ProtoBurmish			[?] s	ai	²

COGID 217 / «stand»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	stand	0	-	ʒ	a	p	55
Atsi	line up	0	-	j	a	p	21
Bola	stand	0	-	j	ɛ	ʔ	55
Lashi	stand	0	-	j	a:	p	31
Maru	stand	0	-	j	ɛ	ʔ	31
OldBurmese	stand	0	r	j	a	p	-
Rangoon	stand	0	-	j	a	ʔ	4
Xiandao	line up	0	-	j	a	p	55
Fuzzy			-:100	j:100	a:100	p:100	4:70 ¹ :30
ProtoBurmish			j	a	p	⁴	

COGID 574 / «thirty»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	thirty	0	s	u	m	31
Atsi	thirty	0	s	u	m	21
Bola	lizard	0	s	u	m	31
Lashi	thirty	0	s	ɔ	m	55
Maru			Ø	Ø	Ø	Ø
OldBurmese	three	0	s	u	m	⁵
Rangoon	thirty	0	tθ	õ	-	55
Xiandao	thirty	0	s	u	m	31
Fuzzy			s:80 ¹ :s:20	u:100	m:100	² :100
ProtoBurmish			s	u	m	²

COGID 811 / «steal»

language	concept	pos	S1	S2	S3
AchangLongchuan	steal	0	x	au	31
Atsi	smoke	1	k ^h	au	21
Bola	steal	0	k ^h	au	31
Lashi	steal	0	k ^h	a:u	55
Maru			Ø	Ø	Ø
OldBurmese	steal	0	k ^h	ui	⁵
Rangoon	steal	0	k ^h	o	55
Xiandao	maize / corn	1	tʂ ^h	ɔ	31
Fuzzy			[?] k:50 ¹ :k:50	u:100	² :100

language	concept	pos	S1	S2	S3
ProtoBurmish			ʔk	u	²

COGID 232 / «several / few, a»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	several / few, a	2	ʔ	u	ʔ	⁵⁵
Atsi			Ø	Ø	Ø	Ø
Bola			Ø	Ø	Ø	Ø
Lashi			Ø	Ø	Ø	Ø
Maru			Ø	Ø	Ø	Ø
OldBurmese	man	0	j	ɔ	k	-
Rangoon			Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø
Fuzzy			j:100	u:90 u:10	k. ⁴ :60 k:40	¹ :100
ProtoBurmish			ʔj	u	k	⁴

COGID 534 / «marry (a woman)»

language	concept	pos	S1	S2	S3
AchangLongchuan	marry (a woman)	0	ʃ	a	⁵⁵
Atsi			Ø	Ø	Ø
Bola	pull / drag (a log)	0	ʃ	ɛ	⁵⁵
Lashi			Ø	Ø	Ø
Maru	pull / drag (a log)	0	ʃ	ɛ	³¹
OldBurmese			Ø	Ø	Ø
Rangoon			Ø	Ø	Ø
Xiandao			Ø	Ø	Ø
Fuzzy			ʃ:100	a:100	¹ :100
ProtoBurmish			ʃ	ɛ	¹

COGID 646 / «medicine»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi	medicine	0	tʃ ^h	i	-	²¹
Bola	medicine	0	tʃ ^h	ɿ	-	³⁵

language	concept	pos	S1	S2	S3	S4
Lashi	medicine	0	tʃ ^h	ei	-	55
Maru	medicine	0	tʃ ^h	i	k	55
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	medicine	0	s ^h	e	-	55
Xiandao	wash (clothes)	0	ts ^h	i	-	31
Fuzzy			tʃ:100	i:80 ₁ e:20	-:100	² :90 ₁ ³ :10
ProtoBurmish			tʃ	i	²	

COGID 140 / «monk»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi	monk	1	k	j	i	21
Bola			Ø	Ø	Ø	Ø
Lashi	monk	1	k	j	<u>i</u>	55
Maru	monk	1	k	j	i	31
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	monk	1	tɕ	-	i	55
Xiandao	monk	1	c	-	i	55
Fuzzy			g:90 ₁ ² k:10	j:100	e:100	⁴ :90 ₁ ¹ :10
ProtoBurmish			g	j	e	¹

COGID 196 / «mouse»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	mouse	0	k	z _l	o	ʔ	55
Atsi			Ø	Ø	Ø	Ø	Ø
Bola			Ø	Ø	Ø	Ø	Ø
Lashi			Ø	Ø	Ø	Ø	Ø
Maru			Ø	Ø	Ø	Ø	Ø
OldBurmese	mouse	0	k	r	u	k	-
Rangoon	mouse	0	tɕ	w	ɛ	ʔ	4
Xiandao	mouse	0	k	z _l	o	ʔ	55
Fuzzy			g:100	r:100	o:100	k:90 ₁ k. ⁴ :10	⁴ :100
ProtoBurmish			g	r	o	k	⁴

COGID 400 / «small»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	small	0	ɲ	i	⁵⁵		
Atsi			Ø	Ø	Ø		
Bola			Ø	Ø	Ø		
Lashi			Ø	Ø	Ø		
Maru	mud	0	m.j	i.k	³¹		
OldBurmese			Ø	Ø	Ø		
Rangoon			Ø	Ø	Ø		
Xiandao			Ø	Ø	Ø		
Fuzzy			m:100	j:90 ʔ:10	i:70 e:30	-:100	¹ :100
ProtoBurmish			m	j	i	¹	

COGID 932 / «needle»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	needle	0	a	p	⁵⁵	
Atsi			Ø	Ø	Ø	
Bola			Ø	Ø	Ø	
Lashi			Ø	Ø	Ø	
Maru			Ø	Ø	Ø	
OldBurmese	needle	0	a	p	-	
Rangoon			Ø	Ø	Ø	
Xiandao			Ø	Ø	Ø	
Fuzzy			a:100	p:100	¹ :100	
ProtoBurmish			ʔ	a	p	⁴

COGID 580 / «nest (bird)»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	nest	0	ɲ	ɔ	ʔ	⁵⁵
	(bird)					
Atsi	nest	0	ɲ	ɔ	ʔ	⁵⁵
	(bird)					
Bola	nest	0	ɲ	a	ʔ	⁵⁵
	(bird)					
Lashi	nest	1	s	ɔ	t	⁵⁵
	(bird)					
Maru	nest	1	s	a	t	⁵⁵
	(bird)					

language	concept	pos	S1	S2	S3	S4
OldBurmese	nest (bird)	1	s	ui	k	-
Rangoon	nest (bird)	1	tθ	ai	ʔ	4
Xiandao	nest (bird)	0	ŋ̊	ɔ	ʔ	55
Fuzzy			s:60 ʔs:20 ʔŋ:20	u:50 a:30 i:20	k:80 t:20	4:100
ProtoBurmish			s	u	t	4

COGID 884 / «piece of cloth with straps for carrying a toddler»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	piece of cloth with straps for carrying a toddler	1	t ^h	i	ʔ	31
Atsi	piece of cloth with straps for carrying a toddler	1	tʃ	i̲	-	55
Bola	notify / inform	0	t	i̲	-	35
Lashi	piece of cloth with straps for carrying a toddler	1	tʃ	ei	-	53
Maru	notify / inform	0	t	a̲	-	55
OldBurmese			∅	∅	∅	∅
Rangoon	piece of cloth with straps for carrying a toddler	1	tɕ	o	-	55
Xiandao	piece of cloth with straps for carrying a toddler	1	p	a	ʔ	55
Fuzzy			ʔt:90 dz:10	ɬ:90 ai:10-		3:100
ProtoBurmish			ʔt	i		:100 3

COGID 788 / «wrap»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan			∅	∅	∅	∅	∅
Atsi	wrap	0	k	j	e	ʔ	21
Bola	parcel / sack (of things)	0	k	-	a̲	k	55
Lashi	parcel / sack (of things)	0	k	-	ə̲	k	55

language	concept	pos	S1	S2	S3	S4	S5
Maru	parcel / sack (of things)	0	k	-	<u>a</u>	k	⁵⁵
OldBurmese			∅	∅	∅	∅	∅
Rangoon			∅	∅	∅	∅	∅
Xiandao			∅	∅	∅	∅	∅
Fuzzy			g:70 [?] k:30	-:100	i:100	k:100	⁴ :100
ProtoBurmish			[?] k	i	k	⁴	

COGID 793 / «turtledove»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			∅	∅	∅	∅
Atsi	turtledove	1	k	j	<u>ui</u>	²¹
Bola	pen (chicken)	1	k	j	<u>u</u>	³⁵
Lashi	turtledove	1	k	j	<u>ou</u>	⁵⁵
Maru			∅	∅	∅	∅
OldBurmese			∅	∅	∅	∅
Rangoon			∅	∅	∅	∅
Xiandao			∅	∅	∅	∅
Fuzzy			[?] k:60 g:40	j:100	u:100	³ :90 ² :10
ProtoBurmish			[?] k	j	u	³

COGID 890 / «piss / pee»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			∅	∅	∅	∅
Atsi			∅	∅	∅	∅
Bola	piss / pee	0	t	<u>a</u>	k	⁵⁵
Lashi	piss / pee	0	t	<u>ə:</u>	k	⁵⁵
Maru	piss / pee	0	t	<u>a</u>	k	⁵⁵
OldBurmese			∅	∅	∅	∅
Rangoon			∅	∅	∅	∅
Xiandao			∅	∅	∅	∅
Fuzzy			[?] t:90 d:10	i:100	k:100	⁴ :100
ProtoBurmish			[?] t	i	k	⁴

COGID 520 / «porcupine»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi	porcupine	0	p	j	u	⁵¹
Bola			Ø	Ø	Ø	Ø
Lashi	porcupine	1	p	j	u	³³
Maru	porcupine	0	p	j	u	³¹
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	porcupine	0	p ^h	j	u	²²
Xiandao	porcupine	0	p ^h	z	u	⁵⁵
Fuzzy			[?] p:100	j:90 r:10	o:100	¹ :100
ProtoBurmish			[?] p	r	o	¹

COGID 849 / «throw up / vomit»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	throw up / vomit	0	p ^h	a	t	⁵⁵
Atsi	throw up / vomit	0	p ^h	a	t	⁵⁵
Bola			Ø	Ø	Ø	Ø
Lashi	throw up / vomit	0	p ^h	a:	t	⁵⁵
Maru			Ø	Ø	Ø	Ø
OldBurmese	read	0	p ^h	a	t	-
Rangoon	read	0	p ^h	a	?	⁴
Xiandao	throw up / vomit	0	p ^h	a	t	⁵⁵
Fuzzy			[?] p:90 p:10	a:100	t:100	⁴ :100
ProtoBurmish			[?] p	a	t	⁴

COGID 735 / «rod / stick»

language	concept	pos	S1	S2	S3
AchangLongchuan			Ø	Ø	Ø
Atsi	rod / stick	1	s	e	²¹
Bola			Ø	Ø	Ø
Lashi			Ø	Ø	Ø
Maru	rod / stick	1	s	ε	³⁵
OldBurmese			Ø	Ø	Ø

language	concept	pos	S1	S2	S3
Rangoon			Ø	Ø	Ø
Xiandao			Ø	Ø	Ø
Fuzzy			s:70 ² s:30	a:80 ε:10 i:10	² :100
ProtoBurmish			s	ε	²

COGID 683 / «salty»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	
Atsi			Ø	Ø	Ø	
Bola			Ø	Ø	Ø	
Lashi			Ø	Ø	Ø	
Maru			Ø	Ø	Ø	
OldBurmese	salty	0	ŋ	a	n	
Rangoon	salty	0	ŋ	ã	-. ²²	
Xiandao			Ø	Ø	Ø	
Fuzzy			ŋ:100	a:90 a.n:10	n:100	¹ :100
ProtoBurmish			ŋ	a	n	¹

COGID 706 / «tongue»

language	concept	pos	S1	S2	S3
AchangLongchuan	tongue	0	ç	ɔ	55
Atsi	sand	0	s	ă	21
Bola	tongue	0	ʃ	a	55
Lashi	sand	0	s	ă	55
Maru	spoon	0	ʃ	ɔ	31
OldBurmese			Ø	Ø	Ø
Rangoon	sand	0	tθ	ε	55
Xiandao	tongue	0	ç	ɔ	55
Fuzzy			ʃ:100	a:100	⁴ :80 ¹ :20
ProtoBurmish			ʃ	a	¹

COGID 264 / «scale»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan			Ø	Ø	Ø	Ø	Ø
Atsi			Ø	Ø	Ø	Ø	Ø
Bola	scale	1	k	j	ɛ	ʔ	⁵⁵
Lashi			Ø	Ø	Ø	Ø	Ø
Maru	scale	1	k	j	ɛ	ʔ	⁵⁵
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø	Ø
Fuzzy			g:100	j:100	a:100	p:100	⁴ :100
ProtoBurmish			^ʔ k	j	a	p	⁴

COGID 541 / «scatter (seeds)»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	scatter (seeds)	0	s	a	n	³¹
Atsi	scatter (seeds)	0	s	a	n	²¹
Bola			Ø	Ø	Ø	Ø
Lashi	scatter (seeds)	0	s	a:	n	⁵⁵
Maru	scatter (seeds)	0	s	ə	ŋ	³⁵
OldBurmese	scar	1	r	u	t	-
Rangoon			Ø	Ø	Ø	Ø
Xiandao	scatter (seeds)	0	s	a	n	³¹
Fuzzy			s:90 ^ʔ s:10	a:100	n:100	² :100
ProtoBurmish			s	a	n	²

COGID 920 / «sell»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	sell	0	-	u	ŋ	³¹
Atsi	sell	0	-	u	ŋ	²¹
Bola	sell	0	-	au	ŋ	³⁵
Lashi	sell	0	-	ɔ:	ŋ	⁵⁵
Maru	sell	0	-	au	ŋ	³⁵
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	sell	0	j	ãu	-	⁵⁵
Xiandao	sell	0	-	u	ŋ	³¹
Fuzzy			-:80 ^ʔ :20	u:100	ŋ:100	² :100

language	concept	pos	S1	S2	S3	S4
ProtoBurmish			ʔ	u	ŋ	²

COGID 323 / «sew (up)»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	sew (up)	0	x	z̥	o	p	⁵⁵
Atsi	sew (up)	0	k ^h	j	u	p	⁵⁵
Bola	sew (up)	0	k ^h	j	a	p	⁵⁵
Lashi	sew (up)	0	k ^h	j	u:	p	⁵⁵
Maru			Ø	Ø	Ø	Ø	Ø
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø	Ø
Xiandao	sew (up)	0	-	tʃ ^h	u	p	⁵⁵
Fuzzy			k:100	r:80 j:20	u:90 a:10	p:100	⁴ :100
ProtoBurmish			k	r	u	p	⁴

COGID 36 / «sheath / scabbard»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	sheath / scabbard	1	p ^h	-	a	k	³⁵
Atsi	sheath / scabbard	1	p	j	a	ŋ	⁵¹
Bola	sheath / scabbard	1	p	j	ã	-	⁵⁵
Lashi	sheath / scabbard	1	p	j	a	p	⁵⁵
Maru	sheath / scabbard	1	p	j	ã	-	³¹
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon	sheath / scabbard	1	-	-	ẽ	-	²²
Xiandao	sheath / scabbard	1	k	-	a	ŋ	³¹
Fuzzy			b:40 p:40 ʔ:200	a:100	ŋ:60 k:20 m:10 :40 ³ :40 ⁴ :20	:10	
ProtoBurmish			b	j	a	ŋ	¹

COGID 829 / «smoke / fumigate»

language	concept	pos	S1	S2	S3
AchangLongchuan			Ø	Ø	Ø
Atsi			Ø	Ø	Ø
Bola	smoke / fumigate	0	m	ai	⁵⁵
Lashi			Ø	Ø	Ø
Maru	smoke / fumigate	0	m	ai	³¹
OldBurmese			Ø	Ø	Ø
Rangoon			Ø	Ø	Ø
Xiandao			Ø	Ø	Ø
Fuzzy			m:100	ai:100	¹ :100
ProtoBurmish			² m	ai	¹

COGID 131 / «soak / steep»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi			Ø	Ø	Ø	Ø
Bola	soak / steep	0	tʃ	a	m	⁵⁵
Lashi			Ø	Ø	Ø	Ø
Maru			Ø	Ø	Ø	Ø
OldBurmese	soak / steep	0	c	i	m	-
Rangoon	soak / steep	0	s	ẽ	-	²²
Xiandao	soak / steep	0	ts	i	n	⁵⁵
Fuzzy			dʒ:90 dz:10	i:100	m:100	¹ :100
ProtoBurmish			dʒ	i	m	¹

COGID 190 / «soldier»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi	soldier	0	k	j	e	⁵¹
Bola	soldier	0	k	j	ɛ	⁵⁵
Lashi	soldier	0	k	j	i	³¹
Maru	soldier	0	k	j	ɛ	³¹
OldBurmese			Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4
Xiandao			Ø	Ø	Ø	Ø
Fuzzy			g:70 ² k:30	j:100	ε:100	¹ :100
ProtoBurmish			g	j	ε	¹

COGID 164 / «spider»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi	spider	1	k	a	ŋ	²¹
Bola	spider	1	k	ṣ	-	³¹
Lashi	spider	1	k	a	ŋ	³³
Maru	spider	1	k	ṣ	-	³⁵
OldBurmese			Ø	Ø	Ø	Ø
Rangoon	spider	1	k	u	-	²²
Xiandao	spider	1	k	au	-	⁵⁵
Fuzzy			g:100	a:100	ŋ:80 :-20	² :100
ProtoBurmish			g	a	ŋ	²

COGID 686 / «tongs (fire)»

language	concept	pos	S1	S2	S3	S4	S5	S6
AchangLongchuan			Ø	Ø	Ø	Ø	Ø	Ø
Atsi	tongs (fire)	0	-	ŋ	j	a	p	²¹
Bola	steel (for flint)	0	-	ŋ	j	ε	ʔ	³¹
Lashi	tongs (fire)	0	-	ŋ	j	a	p	³¹
Maru	tongs (fire)	0	-	ŋ	j	ε	ʔ	³¹
OldBurmese			Ø	Ø	Ø	Ø	Ø	Ø
Rangoon	tongs (fire)	1	h	ɲ	-	ɑ	ʔ	⁴
Xiandao	tongs (fire)	1	-	ɲ	-	a	p	⁵⁵
Fuzzy			:-100	ŋ:100	j:100	a:100	p:70 t:30	⁴ :100
ProtoBurmish			ŋ	j	a	t	⁴	

COGID 38 / «stingy»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan			Ø	Ø	Ø	Ø	Ø
Atsi			Ø	Ø	Ø	Ø	Ø
Bola	stingy	0	p	j	a	k	³¹
Lashi			Ø	Ø	Ø	Ø	Ø
Maru	stingy	0	p	j	a	k	³¹
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø	Ø
Fuzzy			b:70 ² p:30	j:100	i:100	k:100	⁴ :100
ProtoBurmish			b	j	i	k	⁴

COGID 357 / «stir-fry»

language	concept	pos	S1	S2	S3
AchangLongchuan	stir-fry	0	l̥	ə	⁵⁵
Atsi			Ø	Ø	Ø
Bola	wok (frying)	2	l	ai	⁵⁵
Lashi			Ø	Ø	Ø
Maru	stir-fry	0	l	ai	³¹
OldBurmese			Ø	Ø	Ø
Rangoon	stir-fry	0	ɬ	ɔ	²²
Xiandao	stir-fry	0	l̥	ɤ	⁵⁵
Fuzzy			² l:100	ai:90 i:10	¹ :100
ProtoBurmish			² l	ai	¹

COGID 432 / «tangerine»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan	tangerine	0	m	a	ʔ	³¹
Atsi	tangerine	0	m	a	k	²¹
Bola	tangerine	0	m	a	k	³¹
Lashi	tangerine	0	m	a	k	³¹
Maru	tangerine	0	m	a	k	³¹
OldBurmese			Ø	Ø	Ø	Ø
Rangoon			Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø
Fuzzy			m:100	a:100	k:100	⁴ :100

language	concept	pos	S1	S2	S3	S4
ProtoBurmish			m	i	k	⁴

COGID 12 / «tears»

language	concept	pos	S1	S2	S3	S4	S5
AchangLongchuan	tears	1	p	-	i	-	⁵⁵
Atsi	tears	1	p	j	i	-	²¹
Bola	tears	1	p	-	i	-	⁵⁵
Lashi	tears	1	p	-	i	-	³¹
Maru	tears	1	p	-	i	k	³¹
OldBurmese			Ø	Ø	Ø	Ø	Ø
Rangoon	tears	1	-	j	e	-	²²
Xiandao	tears	1	p	-	i	-	⁵⁵
Fuzzy			b:100	-:70 ʔ:30	i:70 e:30	-:100	¹ :100
ProtoBurmish			b	i	¹		

COGID 907 / «turtledove»

language	concept	pos	S1	S2	S3
AchangLongchuan	turtledove	0	ts ^h	i	⁵⁵
Atsi			Ø	Ø	Ø
Bola			Ø	Ø	Ø
Lashi			Ø	Ø	Ø
Maru			Ø	Ø	Ø
OldBurmese	twenty	1	tʃ ^h	ai	-
Rangoon			Ø	Ø	Ø
Xiandao			Ø	Ø	Ø
Fuzzy			² ts:100	ai:90 ai. ¹ :10	¹ :100
ProtoBurmish			² ts	ai	¹

COGID 924 / «want / need»

language	concept	pos	S1	S2	S3
AchangLongchuan			Ø	Ø	Ø
Atsi			Ø	Ø	Ø
Bola	want / need	0	ŋ	a	⁵⁵

language	concept	pos	S1	S2	S3
Lashi			Ø	Ø	Ø
Maru	want / need	0	ŋ	ɔ	³¹
OldBurmese			Ø	Ø	Ø
Rangoon			Ø	Ø	Ø
Xiandao	want / need	0	ɲ	u	⁵⁵
Fuzzy			² ŋ:70 ¹ ŋ:30	a:100	¹ :100
ProtoBurmish			² ŋ	a	¹

COGID 581 / «wipe (the)»

language	concept	pos	S1	S2	S3	S4
AchangLongchuan			Ø	Ø	Ø	Ø
Atsi			Ø	Ø	Ø	Ø
Bola			Ø	Ø	Ø	Ø
Lashi			Ø	Ø	Ø	Ø
Maru	wipe (the)	0	s	a	t	⁵⁵
OldBurmese	wipe (the)	0	s	u	t	-
Rangoon			Ø	Ø	Ø	Ø
Xiandao			Ø	Ø	Ø	Ø
Fuzzy			² s:100	u:100	t:80 t. ⁴ :20	⁴ :100
ProtoBurmish			² s	u	t	⁴