Fuzzy Reconstructions

Confused Sounds

sound	sound		
Α	В	occurrence	escognate sets
n	ņ	18	203 394 420 445 801 848 894 1129 1237 1742 2046 2468 2973 3103 3125 4002 4039 4051
n	N	14	579 1755 2072 2294 2362 2388 2401 2520 2673 2858 3067 3179 3467 3726
N	ŋ	10	616 1186 1247 2036 2120 2294 2725 3458 3704 4064
55	0	9	954 1879 2167 2429 2505 2506 2682 14 3862
1	1	8	1104 1554 1921 1971 2506 2570 2769 3227
m	m m	6	1981 1268 3167 3704 3713 4025
-	? 7	6	1768 2505 2506 2591 3018 14
11	0	5	2254 2363 3018 3804 3862
k	g	5	800 1186 1720 1879 2591
? 7	?	4	514 1237 1268 1768
r	ŗ	4	2294 2813 3528 3927
-	W	4	1091 2072 3125 3511
55	51	3	1464 2456 2505
55	11	3	149 17 3862
N	m	3	1247 1755 3818
ə	a	3	954 2506 14
i	ei	3	1921 3727 3726
51	0	2	444 2505
W	1	2	1720 1907
p	b	2	2531 3236
n	m	2	1755 3752
i	e	2	6 2813
[?] d	[?] d.w	1	3511
?	t	1	1195

und	sound		
	В	occurrence	escognate sets
	k	1	1195
	\mathbf{k}	1	1664
	c	1	3259
	ə.? ⁻	1	14
	ə.N	1	1
	ə.ŋ	1	2120
	ວ	1	3640
	u	1	3518
	0	1	1643
	au	1	3804
	O.N	1	686
	o.ŋ	1	3530
	m	1	1247
	t	1	725
	\mathbf{k}	1	1195
	d	1	2505
	1	1	1755
	-	1	383
	p^h	1	431
	u	1	17
	ŋ.j	1	1372
	ŋ	1	2294
	j	1	1372
	k ^h .r	1	371
	100	1	2506
	d		
	ŋ.j		
	?		
	N		
	t	1	
	S	1	
	1	1	
	g	1	1803
	ə.?` ? N t s	1 1 1 1 1 1 1 1	2506 2506 954 1372 14 1768 2871 2311 1907 1290 1803

Individual Alignments with Fuzzy Reconstructions

COGID 1 / «Dipterocarpus tuberculatus Roxb»

language	concept	pos	S1	S2	S 3	S4
Kayah	Dipterocarpus	0	t ^h	o	_	33
•	tuberculatus Roxb					
Kayan	Dipterocarpus	0	t^{h}	Э	-	53
	tuberculatus Roxb					
Kayaw	Dipterocarpus	0	t^{h}	ə	-	55
	tuberculatus Roxb					
NorthernPa	o Dipterocarpus	0	t^{h}	ë	ŋ	31
	tuberculatus Roxb					
NorthernPv	voDipterocarpus	0	t^{h}	ã	-	55
	tuberculatus Roxb					
NorthernSg	awDipterocarpus	0	t^{h}	ə	-	33
	tuberculatus Roxb					
SouthernPa	0		Ø	Ø	Ø	Ø
SouthernPv	VO		Ø	Ø	Ø	Ø
SouthernSg	awDipterocarpus	0	t^{h}	Э	-	55
	tuberculatus Roxb					
WesternBw	e		Ø	Ø	Ø	Ø
Fuzzy			t ^h :100	อ:90¦อ.ห:10	ŋ:100	⁵⁵ :100
ProtoKaren			t^{h}	ə	N	55

COGID 149 / «bat»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	bat	0	p	1	e	-	11
Kayan	bat	0	b	1	a	-	11
Kayaw	bat	0	p	1	a	-	11
NorthernPao	bat	0	p	1	a	ĥ	31
NorthernPwo	bat	0	p^h	1	a	-	33
NorthernSgaw	bat	0	b	1	a	-	33
SouthernPao	bat	0	p	1	a	ĥ	31
SouthernPwo	bat	0	p^h	1	a	-	55
SouthernSgaw	bat	0	b	1	a	-	55
WesternBwe	bat	0	p	1	3	-	11
Fuzzy			p:100	1:100	a:100	-:100	⁵⁵ :90 ¹¹ :10
ProtoKaren			p	1	a	55	·

COGID 161 / «bathe»

language	concept	pos	S1	S2	S 3	S4
Kayah	bathe	0	1	0	-	11
Kayan			Ø	Ø	Ø	Ø
Kayaw	bathe	0	1	u	-	11
NorthernPao	bathe	0	1	u	-	55
NorthernPwo	bathe	0	1	ou	-	33
NorthernSgaw	bathe	0	1	i	ĥ	11
SouthernPao	bathe	0	1	u	-	33
SouthernPwo	bathe	0	1	ou	-	55
SouthernSgaw	bathe	0	1	i	-	45
WesternBwe			Ø	Ø	Ø	Ø
Fuzzy			1:100	ou:100	-:100	¹¹ :100
ProtoKaren			100	ou	11	

COGID 203 / «bee (Apis dorsata)»

language	concept	pos	S1	S2	S3	S4
Kayah	bee (Apis dorsata)	0	n	i	-	33
Kayan	bee (Apis dorsata)	0	n	ai	-	53
Kayaw	bee (Apis dorsata)	0	n	i	-	55
NorthernPao	bee (Apis dorsata)	0	n	e	ĥ	31
NorthernPwo	bee (Apis dorsata)	0	n	i	-	35
NorthernSgaw	bee (Apis dorsata)	1	n	3	-	33
SouthernPao	bee (Apis dorsata)	0	n	e	ĥ	31
SouthernPwo	bee (Apis dorsata)	0	n	i	-	53
	bee (Apis dorsata)	0	n	ε	-	55
WesternBwe	bee (Apis dorsata)	0	n	I	_	33
Fuzzy	(1		n:80¦n:20	e:100	-:100	⁵⁵ :100
ProtoKaren			ņ	e	55	

COGID 371 / «bone»

language	concept	pos	S 1	S2	S 3	S4	S5	S6
Kayah	bone	0	k ^h	r	w	i	-	55
Kayan	bone	0	c^h	-	W	i	?	45
Kayaw	bone	0	c^h	-	-	u	-	33
NorthernPa	o bone	0	c^h	-	-	u	t	21
NorthernPv	vo		Ø	Ø	Ø	Ø	Ø	Ø
NorthernSg	aw		Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S 3	S4	S5	S6
SouthernPac	o bone	0	c^{h}	-	-	əu	t	21
SouthernPw	obone	0	X	-	W	i	-	55
SouthernSga	ìW		Ø	Ø	Ø	Ø	Ø	Ø
WesternBwe	bone	0	k^{h}	-	W	i	-	33
Fuzzy			kh:90 kh.r:10	r:100	w:100	i:100	t:100	⁵¹ :100
ProtoKaren			k^h	r	W	i	t	51

COGID 383 / «braid»

language	concept	pos	S1	S2	S3	S4
Kayah	braid	0	S	ə	11	
Kayan			Ø	Ø	Ø	
Kayaw	braid	0	S	i	11	
NorthernPao	braid	0	S	i	55	
NorthernPwo	braid	0	S	ei	33	
NorthernSgaw	braid	0	S	i	31	
SouthernPao	braid	0	S	i	33	
SouthernPwo	braid	0	θ	ei	55	
SouthernSgaw			Ø	Ø	Ø	
WesternBwe	braid	0	θ.r	e	33	
Fuzzy			s:100	r:90¦-:10	ei:100	¹¹ :100
ProtoKaren			S	r	ei	11

COGID 17 / «brain»

language	concept	pos	S1	S2	S3	S4
Kayah	brain	0	k ^h	u	11	
Kayan			Ø	Ø	Ø	
Kayaw	brain	0	\mathbf{k}^{h}	u	33	
NorthernPao			Ø	Ø	Ø	
NorthernPwo	brain	0	\mathbf{k}^{h}	u	55	
NorthernSgaw	brain	0	\mathbf{k}^{h}	0	31	
SouthernPao			Ø	Ø	Ø	
SouthernPwo	brain	0	\mathbf{k}^{h}	u	55	
SouthernSgaw	brain	0	\mathbf{k}^{h}	u.?	45	
WesternBwe			Ø	Ø	Ø	
Fuzzy			k ^h :100	o:90¦u:10	-:100	$^{55}:90 ^{11}:10$

language	concept	pos	S1	S2	S3	S4
ProtoKaren			\mathbf{k}^{h}	0	55	

COGID 394 / «brain»

language	concept	pos	S1	S2	S3	S4
Kayah	brain	1	n	Э	-	33
Kayan	brain	0	n	Э	?	21
Kayaw	brain	1	n	ə	-	33
NorthernPao	brain	1	n	0	k	45
NorthernPwo	brain	1	n	au	?	21
NorthernSgaw	brain	1	n	u	?	21
SouthernPao	brain	1	n	u	?	45
SouthernPwo	brain	1	n	эu	?	45
SouthernSgaw	brain	1	n	эu	ĥ	11
WesternBwe	brain	0	n	0	-	11
Fuzzy			n:80¦n:20	o:100	k ⁻ :100	⁵¹ :100
ProtoKaren			n	O	\mathbf{k}	51

COGID 420 / «breasts»

language	concept	pos	S1	S2	S3	S4
Kayah	breasts	0	n	u	-	11
Kayan	breasts	0	n	u	_	11
Kayaw	breasts	0	n	u	_	11
NorthernPao			Ø	Ø	Ø	Ø
NorthernPwo	breasts	0	n	u	ĥ	11
NorthernSgaw	breasts	0	n	u	ĥ	11
SouthernPao			Ø	Ø	Ø	Ø
SouthernPwo	breasts	0	n	u	_	33
SouthernSgaw	breasts	0	n	u	_	31
WesternBwe	breasts	0	n	u	_	33
Fuzzy			n:80¦n:20	u:100	-:100	¹¹ :100
ProtoKaren			n	u	11	

COGID 431 / «broken, split, separate»

language	concept	pos	S1	S2	S3	S4
Kayah	broken, split, separate	0	p ^h	e	-	55
Kayan	broken, split, separate	0	p^h	a	?	45
Kayaw	broken, split, separate	0	p^h	Э	-	33
NorthernPao	<u> -</u>	0	p	a	?	21
NorthernPwo	broken, split, separate	0	p^h	a	?	45
NorthernSgav	vbroken, split, separate	0	p^h	a	?	45
SouthernPao	-	0	p	a	?	21
SouthernPwo	broken, split, separate	0	p^h	a	?	21
SouthernSgav	v broken, split, separate	0	p^h	a	?	21
WesternBwe	broken, split, separate	0	p^h	a	-	33
Fuzzy ProtoKaren	•		p:90 p ^h :10 p	a:100 a	?":100 ?"	⁵¹ :100

COGID 444 / «buffalo»

language	concept	pos	S 1	S2	S 3	S4
Kayah	buffalo	0	p	e	-	55
Kayan	buffalo	0	b	u	?	45
Kayaw	buffalo	0	p	a	-	33
NorthernPao	buffalo	0	p	a	?	21
NorthernPwo	buffalo	0	p	a	?	21
NorthernSgaw	buffalo	0	p	ə	-	33
SouthernPao	buffalo	0	p	a	?	21
SouthernPwo	buffalo	0	p	ə	?	21
SouthernSgaw	buffalo	0	p	ə	-	11
WesternBwe	buffalo	0	b	ə	-	33
Fuzzy			p:100	ə:100	?7:100	⁵¹ :80¦ ⁰ :20
ProtoKaren			p	Э	?	0

COGID 445 / «buffalo»

language	concept	pos	S1	S2	S3	S4
Kayah	buffalo	1	n	e	-	11
Kayan	buffalo	1	n	a	-	11
Kayaw	buffalo	1	n	a	-	11
NorthernPao	buffalo	1	n	a	-	53
NorthernPwo	buffalo	1	n	a	ĥ	11
NorthernSgaw	buffalo	1	n	a	ĥ	11
SouthernPao	buffalo	1	n	a	-	55
SouthernPwo	buffalo	1	n	a	-	33
SouthernSgaw	buffalo	1	n	a	-	31
WesternBwe	buffalo	1	n	3	-	33
Fuzzy			n:80¦n:20	a:100	-:100	¹¹ :100
ProtoKaren			n	a	11	

COGID 495 / «caress»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	caress	0	p^h	-	i	33	
Kayan			Ø	Ø	Ø	Ø	
Kayaw	caress	0	p^{h}	-	u	55	
NorthernPao	caress	0	p^{h}	r	i	55	
NorthernPwo	caress	0	p^{h}	-	ã	35	
NorthernSgaw	caress	0	p^{h}	Y	u	33	
SouthernPao			Ø	Ø	Ø	Ø	
SouthernPwo	caress	0	$p^{\rm h}$	-	õ	55	
SouthernSgaw	caress	0	p^{h}	-	u	55	
WesternBwe			Ø	Ø	Ø	Ø	
Fuzzy			p ^h :100	r:100	u.n:100	⁵⁵ :100	
ProtoKaren			p^h	r	u	N	55

COGID 514 / «caterpillar»

language	concept	pos	S1	S2	S3	S4
Kayah	caterpillar	0	S	i	-	55
Kayan	caterpillar	0	θ	i	?	45
Kayaw	caterpillar	0	S	i	-	33

language	concept	pos	S1	S2	S3	S4
NorthernPao	caterpillar	0	S	e	?	21
NorthernPwo	caterpillar	0	S	i	-	35
NorthernSgaw	caterpillar	0	S	i	?	45
SouthernPao	caterpillar	0	S	i	?	21
SouthernPwo	caterpillar	0	θ	ai	?	21
SouthernSgaw	caterpillar	0	S	ai	?	21
WesternBwe	caterpillar	0	θ	a	-	33
Fuzzy	-		s:100	i:100	? ⁻ :80¦?:20	⁵¹ :100
ProtoKaren			S	i	?	51

COGID 567 / «charcoal»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	charcoal	0	S	=	u	11	
Kayan	charcoal	0	θ	-	au	11	
Kayaw	charcoal	0	S	-	u	11	
NorthernPao	charcoal	0	S	w	a	55	
NorthernPwo	charcoal	0	S	w	a	33	
NorthernSgaw	charcoal	0	S	w	a	31	
SouthernPao	charcoal	0	S	w	a	33	
SouthernPwo	charcoal	0	θ	w	a	55	
SouthernSgaw	charcoal	0	S	w	a	45	
WesternBwe			Ø	Ø	Ø	Ø	
Fuzzy			s:100	w.w:100	a:100	¹¹ :100	
ProtoKaren			S	W	w	a	11

COGID 579 / «chicken»

language	concept	pos	S1	S2	S 3	S4	S 5	S 6
Kayah	chicken	0	ch	-	ε	-	-	33
Kayan	chicken	0	Ç	-	a	ŋ	-	53
Kayaw	chicken	0	Ç	-	Э	-	-	55
NorthernPac	o chicken	0	Ç	j	a	n	ĥ	31
NorthernPw	o chicken	0	$\mathbf{c}^{\mathbf{h}}$	-	$\tilde{f \epsilon}$	-	-	35
NorthernSga	awchicken	0	$\mathbf{c}^{\mathbf{h}}$	-	Э	-	-	33
SouthernPac	o chicken	0	Ç	j	a	n	ĥ	31
SouthernPw	o chicken	0	$\mathbf{c}^{\mathbf{h}}$	-	õ	-	-	53
SouthernSga	awchicken	0	$\mathbf{c}^{\mathbf{h}}$	-	Э	-	-	55

language cond	cept pos	S1	S2	S3	S4	S5	S6
WesternBwe chic Fuzzy ProtoKaren	ken 0	∫ c ^h :100 c ^h	j:100 j	a a:100 a	- n:60¦n:40 n	- -:100 ₅₅	⁵⁵ :100

COGID 616 / «cicada»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	cicada	0	-		a	11	
Kayan	cicada	0	-	j	ai	33	
Kayaw			Ø	Ø	Ø	Ø	
NorthernPao	cicada	0	ŋ	j	ai	33	
NorthernPwo	cicada	0	-	j	ai	55	
NorthernSgaw	cicada	0	_	j	e	33	
SouthernPao			Ø	Ø	Ø	Ø	
SouthernPwo	cicada	0	-	j	ai.fi	31	
SouthernSgaw			Ø	Ø	Ø	Ø	
WesternBwe			Ø	Ø	Ø	Ø	
Fuzzy			ŋ:90¦n:10	j:100	ai:100	-:100	⁵⁵ :100
ProtoKaren			ŋ	j	ai	55	

COGID 686 / «classifier for long objects»

language	concept	pos	S1	S2	S 3	S4
Kayah	classifier for long objects	0	b	0	-	33
Kayan	classifier for long objects	0	b	Э	-	53
Kayaw	classifier for long objects	0	b	0	-	55
NorthernPa	10		Ø	Ø	Ø	Ø
NorthernPv	vo classifier for long objects	0	b	õ	-	55
NorthernSg	awclassifier for long objects	0	b	0	-	33
SouthernPa	10		Ø	Ø	Ø	Ø
SouthernPv	vo classifier for long objects	0	b	õ	ĥ	31

language concept	pos	S1	S2	S 3	S4
SouthernSgawclassifier for long objects	0	b	u	-	55
WesternBwe Fuzzy ProtoKaren		Ø ² b:100 ² b	Ø 5:90¦5.N:10 5	Ø -:100 N	Ø ⁵⁵ :100 ₅₅

COGID 725 / «comb (v.)»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	comb (v.)	0	k ^h	W	i	-	55
Kayan	comb (v.)	0	\mathbf{k}^{h}	W	i	?	45
Kayaw	comb (v.)	0	-	W	i	-	33
NorthernPao	comb (v.)	0	-	W	u	t	21
NorthernPwo	comb (v.)	0	\mathbf{k}^{h}	W	i	_	35
NorthernSgaw	comb (v.)	0	k^h	W	i	_	33
SouthernPao			Ø	Ø	Ø	Ø	Ø
SouthernPwo	comb (v.)	0	$\mathbf{k}^{\mathbf{h}}$	W	i	-	53
SouthernSgaw	` ,	0	\mathbf{k}^{h}	W	i	_	55
WesternBwe	comb (v.)	0	\mathbf{k}^{h}	W	i	_	33
Fuzzy			k ^h :100	w:100	i:100	t:80¦t7:20	⁵¹ :100
ProtoKaren			\mathbf{k}^{h}	w	i	t	51

COGID 737 / «cotton thread»

language	concept	pos	S1	S2	S3
Kayah	cotton thread	0	1	0	11
Kayan	cotton thread	0	1	u	11
Kayaw	cotton thread	0	1	u	11
NorthernPao	cotton thread	0	1	u	55
NorthernPwo	cotton thread	0	1	ou	33
NorthernSgaw	cotton thread	0	1	i	31
SouthernPao	cotton thread	0	1	u	33
SouthernPwo	cotton thread	0	1	ou	55
SouthernSgaw	cotton thread	0	1	i	45
WesternBwe	cotton thread	0	1	u	33
Fuzzy			1:100	ou:100	¹¹ :100
ProtoKaren			100	ou	11

COGID 800 / «crop (of fowl), gizzard»

language	concept	pos	S1	S2	S3
Kayah	crop (of fowl), gizzard	0	k	ε	33
Kayan			Ø	Ø	Ø
Kayaw	crop (of fowl), gizzard	0	k	i	11
NorthernPao			Ø	Ø	Ø
NorthernPwo			Ø	Ø	Ø
NorthernSgaw	crop (of fowl), gizzard	0	k	ə	11
SouthernPao	_		Ø	Ø	Ø
SouthernPwo			Ø	Ø	Ø
SouthernSgaw			Ø	Ø	Ø
WesternBwe	crop (of fowl), gizzard	0	k	ə	55
Fuzzy	_		k:80¦g:20	ə:100	⁰ :100
ProtoKaren			k	ə	0

COGID 801 / «crop (of fowl), gizzard»

language	concept	pos	S1	S2	S3
Kayah	crop (of fowl), gizzard	1	n	i	33
Kayan	_		Ø	Ø	Ø
Kayaw	crop (of fowl), gizzard	1	n	i	55
NorthernPao	2		Ø	Ø	Ø
NorthernPwo	crop (of fowl), gizzard	0	n	ei	35
NorthernSgaw	crop (of fowl), gizzard	1	n	i	33
SouthernPao	_		Ø	Ø	Ø
SouthernPwo	crop (of fowl), gizzard	0	n	ei	53
SouthernSgaw	crop (of fowl), gizzard	0	n	i	55
WesternBwe	crop (of fowl), gizzard	1	n	i	55
Fuzzy	-		n:60¦ռ:40	i:100	⁵⁵ :100
ProtoKaren			ů	i	55

COGID 815 / «cross (v.)»

language	concept	pos	S 1	S2	S3	S4
Kayah	cross (v.)	0	$\mathbf{k}^{\mathbf{h}}$	3	33	
Kayan			Ø	Ø	Ø	
Kayaw	cross (v.)	0	$\mathbf{k}^{\mathbf{h}}$	Э	55	

language	concept	pos	S1	S2	S3	S4
NorthernPao			Ø	Ø	Ø	
NorthernPwo	cross (v.)	0	\mathbf{k}^{h}	$\tilde{\epsilon}$	35	
NorthernSgaw	cross (v.)	0	\mathbf{k}^{h}	Э	33	
SouthernPao			Ø	Ø	Ø	
SouthernPwo	cross (v.)	0	\mathbf{k}^{h}	õ	53	
SouthernSgaw	cross (v.)	0	$\mathbf{k}^{\mathbf{h}}$	Э	55	
WesternBwe			Ø	Ø	Ø	
Fuzzy			kh:100	a.n:100	⁵⁵ :100	
ProtoKaren			\mathbf{k}^{h}	a	N	55

COGID 848 / «crush (v.)»

language	concept	pos	S1	S2	S3	S4
Kayah	crush (v.)	0	n	0	11	
Kayan			Ø	Ø	Ø	
Kayaw	crush (v.)	0	n	0	11	
NorthernPao			Ø	Ø	Ø	
NorthernPwo	crush (v.)	0	n	õ	33	
NorthernSgaw	crush (v.)	0	n	õ	31	
SouthernPao			Ø	Ø	Ø	
SouthernPwo	crush (v.)	0	n	õ	55	
SouthernSgaw	crush (v.)	0	n	u	45	
WesternBwe	crush (v.)	1	n	υ	33	
Fuzzy			n:60¦n:40	ว.ท:100	¹¹ :100	
ProtoKaren			ņ	Э	N	11

COGID 894 / «day»

language	concept	pos	S1	S2	S3	S4
Kayah	day	0	n	ə	-	11
Kayan	-		Ø	Ø	Ø	Ø
Kayaw	day	0	n	i	-	33
NorthernPao	day	0	n	i	-	33
NorthernPwo	day	0	n	ei	-	55
NorthernSgaw	day	0	n	i	-	33
SouthernPao	day	0	n	i	-	53
SouthernPwo	day	0	n	ei	ĥ	31
SouthernSgaw	day	0	n	i	-	33
_	-					

language	concept	pos	S1	S2	S3	S4
WesternBwe Fuzzy ProtoKaren	day	0	n n:90¦ņ:10 n	i ei:100 ei	- -:100 ₅₅	³³ ⁵⁵ :100

COGID 954 / «deer (sambha \sim)»

language	concept	pos	S1	S2	S3
Kayah			Ø	Ø	Ø
Kayan			Ø	Ø	Ø
Kayaw			Ø	Ø	Ø
NorthernPao			Ø	Ø	Ø
NorthernPwo	deer (sambha ∼)	0	t	a	33
NorthernSgaw	deer (sambha ∼)	0	t	a	33
SouthernPao			Ø	Ø	Ø
SouthernPwo	deer (sambha ∼)	0	\mathbf{c}^{h}	ə	33
SouthernSgaw	deer (sambha ∼)	0	t^{h}	Э	33
WesternBwe	,		Ø	Ø	Ø
Fuzzy			d:90¦k:10	a:70¦ə:30	⁵⁵ :70¦ ⁰ :30
ProtoKaren			t	ə	0

COGID 953 / «deer (sambha \sim)»

language	concept	pos	S1	S2	S 3	S4	S5
Kayah	deer (sambha ~)	0	k ^h	r	Э	-	55
Kayan	deer (sambha ~)	0	k^h	j	Э	?	45
Kayaw	deer (sambha ∼)	0	k^h	-	Э	-	33
NorthernPao	deer (sambha ~)	0	$\mathbf{k}^{\mathbf{h}}$	j	0	?	21
NorthernPwo			Ø	Ø	Ø	Ø	Ø
NorthernSgav	V		Ø	Ø	Ø	Ø	Ø
SouthernPao	deer (sambha ∼)	0	\mathbf{k}^{h}	j	u	?	21
SouthernPwo			Ø	Ø	Ø	Ø	Ø
SouthernSgav	V		Ø	Ø	Ø	Ø	Ø
WesternBwe			Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S 3	S4	S5
Fuzzy ProtoKaren			k ^h :100 k ^h	j:100 r	o:100 o	?":100 ?	⁵¹ :100

COGID 1003 / «dip up»

language	concept	pos	S1	S2	S 3	<u>S4</u>
Kayah			Ø	Ø	Ø	
Kayan	dip up	0	d	u	11	
Kayaw	dip up	0	d	u	11	
NorthernPao			Ø	Ø	Ø	
NorthernPwo	dip up	0	d	ãə	33	
NorthernSgaw	dip up	0	d	õ	31	
SouthernPao			Ø	Ø	Ø	
SouthernPwo	dip up	0	d	ãə	55	
SouthernSgaw	dip up	0	d	i	45	
WesternBwe	dip up	0	ď	Э	55	
Fuzzy	• •		² d:100	ə . ໗:100	¹¹ :100	
ProtoKaren			[?] d	ә	ŋ	11

COGID 1981 / «lie down, sleep»

language	concept	pos	S1	S2	S3
Kayah	lie down, sleep	0	m	Э	33
Kayan	lie down, sleep	0	m	ai	53
Kayaw	lie down, sleep	0	m	i	55
NorthernPao	, <u>-</u>		Ø	Ø	Ø
NorthernPwo	lie down, sleep	0	m	ei	35
NorthernSgaw	dream (v.)	0	m	i	33
SouthernPao			Ø	Ø	Ø
SouthernPwo	lie down, sleep	0	m	ei	53
SouthernSgaw	lie down, sleep	0	m	i	55
WesternBwe	dream (v.)	0	m	i	55
Fuzzy			m:90¦m:10	ei:100	⁵⁵ :100
ProtoKaren			ŵ	ei	55

COGID 1091 / «drunk»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	drunk	0	m	-	i	-	11
Kayan	drunk	0	m	_	i	-	33
Kayaw	drunk	0	m	-	ŧŧ	-	33
NorthernPao	drunk	0	m	_	u	n	33
NorthernPwo	drunk	0	m	-	ã	-	55
NorthernSgaw	drunk	0	m	_	u	-	33
SouthernPao	drunk	0	m	w	ə	m	53
SouthernPwo	drunk	0	m	-	ә i	ĥ	31
SouthernSgaw	drunk	0	m	-	u	-	33
WesternBwe	drunk	0	m	_	u	-	33
Fuzzy			m:100	-:60¦w:40	i:100	n:100	⁵⁵ :100
ProtoKaren			m	w	i	N	55

COGID 1104 / «dry(v.)»

language	concept	pos	S1	S2	S 3	S4
Kayah			Ø	Ø	Ø	Ø
Kayan	dry(v.)	0	1	au	-	53
Kayaw	dry(v.)	0	1	u	-	55
NorthernPao	dry(v.)	0	1	O	ĥ	31
NorthernPwo	dry(v.)	0	1	u	-	35
NorthernSgaw	dry(v.)	0	1	0	-	33
SouthernPao	dry(v.)	0	1	0	ĥ	31
SouthernPwo	dry(v.)	0	1	u	-	53
SouthernSgaw	dry(v.)	0	1	u	-	55
WesternBwe	dry(v.)	0	1	0	-	55
Fuzzy	- 3 ()	-	1:90¦ <u>1</u> :10	o:100	-:100	⁵⁵ :100
ProtoKaren			1	0	55	

COGID 1129 / «ear»

language	concept	pos	S1	S2	S3	S4
Kayah	ear	0	n	e	-	11
Kayan	ear	0	n	a	-	11
Kayaw	ear	0	n	a	-	11
NorthernPao	ear	0	n	a	-	53
NorthernPwo	ear	0	n	a	ĥ	11
NorthernSgaw	ear	0	n	a	ſi	11

language	concept	pos	S1	S2	S3	S4
SouthernPao	ear	0	n	a	-	55
SouthernPwo	ear	0	n	a	-	33
SouthernSgaw	ear	0	n	a	-	31
WesternBwe	ear	0	n	3	-	33
Fuzzy			n:80¦ņ:20	a:100	-:100	¹¹ :100
ProtoKaren			n	a	11	

COGID 1142 / «earthworm»

language	concept	pos	S1	S2	S3	S4
Kayah	earthworm	0	j	a	-	33
Kayan	earthworm	0	J	3	?	21
Kayaw	earthworm	0	j	e	-	33
NorthernPao	earthworm	0	j	3	?	45
NorthernPwo			Ø	Ø	Ø	Ø
NorthernSgaw			Ø	Ø	Ø	Ø
SouthernPao	earthworm	0	j	3	?	45
SouthernPwo			Ø	Ø	Ø	Ø
SouthernSgaw			Ø	Ø	Ø	Ø
WesternBwe			Ø	Ø	Ø	Ø
Fuzzy			j:100	ε:100	?7:100	⁵¹ :100
ProtoKaren			j	3	?	51

COGID 1186 / «eggplant»

language	concept	pos	S1	S2	S3	S4
Kayah	eggplant	0	k	ε	-	11
Kayan	eggplant	0	k	a	ŋ	33
Kayaw	eggplant	0	k	Э	-	33
NorthernPao	001		Ø	Ø	Ø	Ø
NorthernPwo			Ø	Ø	Ø	Ø
NorthernSgaw	eggplant	1	k	Э	-	33
SouthernPao	001		Ø	Ø	Ø	Ø
SouthernPwo			Ø	Ø	Ø	Ø
SouthernSgaw	eggplant	0	k	Э	-	33
WesternBwe	001		Ø	Ø	Ø	Ø
Fuzzy			k:80¦g:20	a:100	ŋ:70¦n:30	⁵⁵ :100

language	concept	pos	S1	S2	S 3	S4
ProtoKaren			g	a	ŋ	55

COGID 1195 / «eight»

language	concept	pos	S1	S2	S3	S4	S5
Kayah			Ø	Ø	Ø	Ø	
Kayan	eight	0	$\mathbf{c}^{\mathbf{h}}$	au	?	45	
Kayaw	eight	0	X	Э	-	11	
NorthernPao	eight	0	S	ə	t	21	
NorthernPwo	•	0	X	0	?	21	
NorthernSga	weight	0	X	Э	?	45	
SouthernPao	eight	0	S	Э	t	21	
SouthernPwo	•	0	X	u	?	45	
SouthernSgav	U	0	X	0	?	21	
WesternBwe	O		Ø	Ø	Ø	Ø	
Fuzzy			kh.r:100	ɔ :100	t:80 k":10 ?":10	⁵¹ :100	
ProtoKaren			\mathbf{k}^{h}	r	э	t	51

COGID 1237 / «enter»

language	concept	pos	S1	S2	S3	S4
Kayah	enter	0	n	0	-	33
Kayan			Ø	Ø	Ø	Ø
Kayaw	enter	0	n	u	-	33
NorthernPao			Ø	Ø	Ø	Ø
NorthernPwo	enter	0	n	аә	?	21
NorthernSgaw	enter	0	n	i	?	21
SouthernPao	enter	0	n	ə	?	45
SouthernPwo			Ø	Ø	Ø	Ø
SouthernSgaw	enter	0	n	əu	ĥ	11
WesternBwe	enter	0	n	u	-	11
Fuzzy			n:80¦ռ:20	ə:100	? ⁻ :60¦?:40	⁵¹ :100
ProtoKaren			n	ə	?	51

COGID 1247 / «exert forcing to expel»

language	concept	pos	S1	S2	S 3	S4	S5	S 6
Kayah	exert forcing to expel	0	c^h	-	i	-	-	33
Kayan	exert forcing to expel	0	c^h	W	a	ŋ	-	53
Kayaw	exert forcing to expel	0	c^{h}	-	u	-	-	55
NorthernP	a e xert forcing to expel	0	c^{h}	-	9	ŋ	ĥ	31
NorthernP	-		Ø	Ø	Ø	Ø	Ø	Ø
NorthernS	gæwert forcing to expel	0	c^{h}	-	u	-	-	33
SouthernP	a e xert forcing to expel	0	c^{h}	W	9	m	-	31
SouthernP	-		Ø	Ø	Ø	Ø	Ø	Ø
SouthernS	gaw		Ø	Ø	Ø	Ø	Ø	Ø
WesternBy	ve		Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			ch:100	-	u:100	м:60¦m:30¦r): 1 0	⁵⁵ :100
-				:100			:100	
ProtoKare	n		$\mathbf{c}^{\mathbf{h}}$	u	N	55		

COGID 1268 / «eye, face»

language	concept	pos	S1	S2	S3	S4
Kayah			Ø	Ø	Ø	Ø
Kayan			Ø	Ø	Ø	Ø
Kayaw			Ø	Ø	Ø	Ø
NorthernPao	eye, face	0	m	3	?	45
NorthernPwo	eye, face	0	m	e	?	21
NorthernSgaw	eye, face	0	m	3	?	21
SouthernPao	eye, face	0	m	3	?	45
SouthernPwo	eye, face	0	m	e	?	45
SouthernSgaw	eye, face	0	m	3	ĥ	11
WesternBwe	•		Ø	Ø	Ø	Ø
Fuzzy			m:80 m:20	ε:100	?7:90¦?:10	⁵¹ :100
ProtoKaren			m	3	? '	51

COGID 1290 / «fat (adj)»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	fat (adj)	0	b	-	i	-	11
Kayan	fat (adj)	0	b	W	a	ŋ	11
Kayaw	fat (adj)	0	b	-	u	-	11
NorthernPao	fat (adj)	0	p	1	ə	ŋ	55
NorthernPwo	fat (adj)	0	b	-	ã	-	33
NorthernSgaw	fat (adj)	0	b	-	õ	-	31
SouthernPao	fat (adj)	0	р	W	ə	ŋ	33
SouthernPwo	fat (adj)	0	b	-	õ	-	55
SouthernSgaw	fat (adj)	0	b	-	Э	-	45
WesternBwe	fat (adj)	0	б	-	υ	-	33
Fuzzy	\ - J/		[?] b:100	1:80 -:20	u:100	η:100	¹¹ :100
ProtoKaren			²b	1	u	ŋ	11

COGID 1337 / «female, woman»

language	concept	pos	S1	S2	S3
Kayah	female, woman	0	m	Э	11
Kayan	female, woman	0	m	i	11
Kayaw	female, woman	0	m	i	11
NorthernPao	female, woman	0	m	i	55
NorthernPwo	female, woman	0	m	əį	33
NorthernSgaw	female, woman	0	m	i	31
SouthernPao	female, woman	0	m	i	33
SouthernPwo	female, woman	0	m	i	55
SouthernSgaw	female, woman	0	m	i	45
WesternBwe	female, woman	0	m	0	33
Fuzzy			m:100	i:100	¹¹ :100
ProtoKaren			ŵ	i	11

COGID 1350 / «fire»

language	concept	pos	S1	S2	S 3
Kayah	fire	0	m	i	11
Kayan	fire	0	m	ai	11
Kayaw	fire	0	m	i	11
NorthernPao	fire	0	m	e	55
NorthernPwo	fire	0	m	i	33
NorthernSgaw	fire	0	m	e	31

language	concept	pos	S1	S2	S 3
SouthernPao	fire	0	m	e	33
SouthernPwo	fire	0	m	i	55
SouthernSgaw	fire	0	m	e	45
WesternBwe	fire	0	m	I	33
Fuzzy			m:100	e:100	¹¹ :100
ProtoKaren			ŵ	e	11

COGID 1372 / «five»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	five	0	ŋ	ε	-	33	
Kayan	five	0	ŋ	3	?	21	
Kayaw	five	0	j	3	-	33	
NorthernPao	five	0	ŋ	a	t	45	
NorthernPwo	five	0	j	3	ĥ	11	
NorthernSgav	wfive	0	j	3	ĥ	11	
SouthernPao		0	n	a	p	45	
SouthernPwo	five	0	j	3	-	33	
SouthernSgav	wfive	0	j	3	-	31	
WesternBwe		0	j	ε	_	11	
Fuzzy			j:70 ŋ.j:20 n:10	a:100	t ⁻ :100	⁵¹ :100	
ProtoKaren			ŋ	j	a	t¯	51

COGID 6 / «flea»

language	concept	pos	S1	S2	S3	S4
Kayah	flea	0	\mathbf{k}^{h}	1	a	55
Kayan			Ø	Ø	Ø	Ø
Kayaw	flea	0	$\mathbf{k}^{ ext{h}}$	1	e	33
NorthernPao			Ø	Ø	Ø	Ø
NorthernPwo			Ø	Ø	Ø	Ø
NorthernSgaw	flea	0	$\mathbf{k}^{ ext{h}}$	1	i	55
SouthernPao			Ø	Ø	Ø	Ø
SouthernPwo			Ø	Ø	Ø	Ø
SouthernSgaw	flea	0	$\mathbf{k}^{ ext{h}}$	1	i	55
WesternBwe	flea	0	$\mathbf{k}^{ ext{h}}$	1	e	33
Fuzzy			k ^h :100	1:100	i:80¦e:20	⁵⁵ :100

language	concept	pos	S1	S2	S3	S4
ProtoKaren			\mathbf{k}^{h}	1	i	55

COGID 1464 / «four»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	four	0	1	W	i	-	33
Kayan	four	0	1	W	i	-	53
Kayaw	four	0	1	-	i	-	55
NorthernPao	four	0	1	-	i	p	45
NorthernPwo	four	0	1	W	i	ĥ	11
NorthernSgaw	four	0	1	W	i	ĥ	11
SouthernPao	four	0	1	-	i	p	45
SouthernPwo	four	0	1	-	ei	-	33
SouthernSgaw	four	0	1	W	i	-	31
WesternBwe	four	0	1	-	u	-	55
Fuzzy			1:100	w:100	i:100	t7:100	⁵⁵ :90 ⁵¹ :10
ProtoKaren			ļ	w	i	t	55

COGID 1554 / «go»

language	concept	pos	S1	S2	S3	S4	S5
Kayah			Ø	Ø	Ø	Ø	Ø
Kayan	go	0	1	-	3	-	33
Kayaw	go	0	1	-	3	-	33
NorthernPao	go	0	1	W	3	-	33
NorthernPwo	go	0	1	-	e	-	55
NorthernSgaw	U	0	1	-	3	-	33
SouthernPao	go	0	1	W	3	-	53
SouthernPwo	go	0	1	-	e	ĥ	31
SouthernSgaw	U	0	1	-	3	-	33
WesternBwe	go	0	1	-	e	-	33
Fuzzy	U	-	1:90¦l:10	w:100	ε:100	-:100	⁵⁵ :100
ProtoKaren			1	W	3	55	

COGID 1643 / «hat»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	hat	0	k	1	0	_	11
Kayan	hat	0	k	1	Э	-	11
Kayaw	hat	0	k	1	ə	-	11
NorthernPao	hat	0	k	1	0	ŋ	55
NorthernPwo			Ø	Ø	Ø	Ø	Ø
NorthernSgaw			Ø	Ø	Ø	Ø	Ø
SouthernPao	hat	0	k	1	0	ŋ	33
SouthernPwo			Ø	Ø	Ø	Ø	Ø
SouthernSgaw			Ø	Ø	Ø	Ø	Ø
WesternBwe	hat	0	k	1	0	-	33
Fuzzy			k:100	1:100	ə:60¦o:40	ŋ:100	¹¹ :100
ProtoKaren			k	1	ə	ŋ	11

COGID 1664 / «hawk, eagle»

language	concept	pos	S1	S2	S3	S4
Kayah	hawk, eagle	0	1	a	-	33
Kayan	hawk, eagle	0	1	i	?	21
Kayaw	hawk, eagle	0	1	e	-	33
NorthernPao	hawk, eagle	0	1	e	?	45
NorthernPwo	hawk, eagle	0	1	ai	?	21
NorthernSgaw	hawk, eagle	0	1	i	?	21
SouthernPao	hawk, eagle	0	1	e	k	45
SouthernPwo	hawk, eagle	0	1	ai	?	45
SouthernSgaw	hawk, eagle	0	1	ai	ĥ	11
WesternBwe	hawk, eagle	0	1	e	-	11
Fuzzy	, 0		1:100	e:100	k7:90¦7:10	⁵¹ :100
ProtoKaren			1	e	k	51

COGID 1720 / «hip»

language	concept	pos	S 1	S2	S 3	S4	S5
Kayah	hip	0	k	1	e	-	11
Kayan	hip	0	k	-	a	ŋ	11
Kayaw	hip	0	k	-	Э	-	11
NorthernPao			Ø	Ø	Ø	Ø	Ø
NorthernPwo	hip	0	k	w	ã	ĥ	11
NorthernSgav	w hip	1	k	-	õ	ĥ	11

language	concept	pos	S1	S2	S3	S4	S5
SouthernPao	hip	0	k	W	a	m	55
SouthernPwo	hip	0	\mathbf{k}^{h}	w	õ	-	33
SouthernSgaw	hip	0	k	-	Э	-	31
WesternBwe			Ø	Ø	Ø	Ø	Ø
Fuzzy			g:90¦k:10	1:80¦w:20	a:100	m:100	¹¹ :100
ProtoKaren			g	1	a	m	11

COGID 1742 / «horn»

language	concept	pos	S1	S2	S3	S4
Kayah	horn	0	n	Э	-	11
Kayan	horn	0	n	əu	_	33
Kayaw	horn	0	n	ə	_	11
NorthernPao	horn	0	n	0	ŋ	33
NorthernPwo	horn	0	n	ãu	-	55
NorthernSgaw	horn	0	n	õ	_	33
SouthernPao	horn	0	n	0	ŋ	53
SouthernPwo	horn	0	n	õu	ń	31
SouthernSgaw	horn	0	n	i	_	33
WesternBwe	horn	0	n	0	_	11
Fuzzy			n:80¦n:20	o:100	η:100	⁵⁵ :100
ProtoKaren			n	0	ŋ	55

COGID 1755 / «hornet»

language	concept	pos	S1	S2	S 3	S4	S5	S6
Kayah	hornet	0	p ^h	1	i	-	-	33
Kayan	hornet	0	\mathbf{p}^{h}	r	i	-	-	53
Kayaw	hornet	0	\mathbf{p}^{h}	r	i	-	-	55
NorthernPa	ohornet	0	\mathbf{p}^{h}	r	i	m	ĥ	31
NorthernPv	vdnornet	0	\mathbf{p}^{h}	1	ã	-	-	35
NorthernSg	ga h ornet	0	\mathbf{p}^{h}	1	ə	-	-	33
SouthernPa	ohornet	0	\mathbf{p}^{h}	r	i	n	ĥ	31
SouthernPv	vdornet	0	\mathbf{p}^{h}	1	ãi	-	-	53
SouthernSg	a h ornet	0	\mathbf{p}^{h}	1	i	-	-	55
WesternBw	e hornet	0	\mathbf{p}^{h}	1	u	-	-	55
Fuzzy			ph:100	r:90 l:10	i:100	N:70 n:20 m:	10100	⁵⁵ :100

language	concept	pos	S1	S2	S 3	S4	S5	S6
ProtoKaren			p^h	r	i	N	55	

COGID 1768 / «horse»

language	concept	pos	S1	S2	S3	S4
Kayah			Ø	Ø	Ø	Ø
Kayan			Ø	Ø	Ø	Ø
Kayaw			Ø	Ø	Ø	Ø
NorthernPao			Ø	Ø	Ø	Ø
NorthernPwo	horse	0	k	a	?	21
NorthernSgaw	horse	0	k	ə	-	33
SouthernPao			Ø	Ø	Ø	Ø
SouthernPwo	horse	0	k	ə	-	11
SouthernSgaw	horse	0	k	ə	-	11
WesternBwe			Ø	Ø	Ø	Ø
Fuzzy			k:100	ə:100	-:50 ?:30 ?7:20	0:100
ProtoKaren			k	ə	?	0

COGID 1803 / «husband»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	husband	0	-	w	e	-	11
Kayan	husband	0	g	w	a	-	33
Kayaw	husband	0	-	W	a	-	33
NorthernPao	husband	0	-	W	a	-	33
NorthernPwo	husband	0	-	W	a	-	55
NorthernSgaw	husband	0	-	W	a	-	33
SouthernPao	husband	0	-	W	a	-	53
SouthernPwo	husband	0	-	W	a	ĥ	31
SouthernSgaw	husband	0	-	W	a	-	33
WesternBwe	husband	0	_	w	3	-	33
Fuzzy			g:70¦-:30	w:100	a:100	-:100	⁵⁵ :100
ProtoKaren			g	W	a	55	

COGID 1879 / «kidney»

language	concept	pos	S1	S2	S3
Kayah			Ø	Ø	Ø
Kayan			Ø	Ø	Ø
Kayaw			Ø	Ø	Ø
NorthernPao			Ø	Ø	Ø
NorthernPwo			Ø	Ø	Ø
NorthernSgaw	kidney	0	k	ə	33
SouthernPao	·		Ø	Ø	Ø
SouthernPwo			Ø	Ø	Ø
SouthernSgaw	kidney	0	k	ə	11
WesternBwe	•		Ø	Ø	Ø
Fuzzy			k:90 g:10	ə:100	⁰ :90 ⁵⁵ :10
ProtoKaren			k	ə	0

COGID 1894 / «leaf»

language	concept	pos	S1	S2	
	concept	роз	01		
Kayah	leaf	0	1	e	11
Kayan	leaf	0	1	a	11
Kayaw	leaf	0	1	a	11
NorthernPao	leaf	0	1	a	55
NorthernPwo	leaf	0	1	a	33
NorthernSgaw	leaf	0	1	a	31
SouthernPao	leaf	0	1	a	33
SouthernPwo	leaf	0	1	a	55
SouthernSgaw	leaf	0	1	a	45
WesternBwe	leaf	0	1	3	33
Fuzzy			1:100	a:100	¹¹ :100
ProtoKaren			100	a	11

COGID 1907 / «leech (land~)»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	leech (land∼)	0	S	W	e	-	55
Kayan	leech (land∼)	0	-	θ	a	?	45
Kayaw	leech (land∼)	0	S	-	Э	-	33

language	concept	pos	S1	S2	S 3	S4	S5
NorthernPao	leech	0	-	w	a	?	21
	(land∼)						
NorthernPwo	leech	0	-	W	a	?	21
	(land∼)						
NorthernSga	wleech	0	S	-	a	?	45
	(land∼)						
SouthernPao	leech	0	-	W	a	?	21
	(land∼)						
SouthernPwo	leech	0	-	w	a	?	45
	(land∼)						
SouthernSgav	wleech	0	S	-	a	?	21
	(land∼)						
WesternBwe			Ø	Ø	Ø	Ø	Ø
Fuzzy			-:70¦s:30	w:90¦l:10	a:100	?7:100	⁵¹ :100
ProtoKaren			S	W	a	? `	51

COGID 1921 / «leech (water~)»

language	concept	pos	S1	S2	S 3	S4
Kayah			Ø	Ø	Ø	Ø
Kayan			Ø	Ø	Ø	Ø
Kayaw	leech (water~)	1	1	i	-	33
NorthernPao			Ø	Ø	Ø	Ø
NorthernPwo	leech (water~)	0	1	ei	-	55
NorthernSgaw	leech (water~)	1	1	i	-	33
SouthernPao			Ø	Ø	Ø	Ø
SouthernPwo	leech (water~)	0	1	ei	ĥ	31
SouthernSgaw	leech (water~)	1	1	i	-	33
WesternBwe	leech (water~)	1	1	I	-	33
Fuzzy ProtoKaren			l:90 l:10 l	ei:60¦i:40 ei	-:100 ₅₅	⁵⁵ :100

COGID 1959 / «lemur (flying»), flying squirrel»

language	concept	pos	S1	S2	S 3	S4	S5
Kayah	lemur (flying~), flying squirrel	0	p	1	a	-	33
Kayan	•		Ø	Ø	Ø	Ø	Ø
Kayaw	lemur (flying~), flying squirrel	0	p	1	e	-	33
NorthernPa	olemur (flying~), flying squirrel	0	p^h	1	i	?	21
NorthernPv	vdemur (flying~), flying squirrel	0	p^h	1	ai	?	21
NorthernSg	alæmur (flying~), flying squirrel	0	p	1	i	?	45
SouthernPa	0		Ø	Ø	Ø	Ø	Ø
SouthernPv	vdemur (flying~), flying squirrel	0	p^h	1	ai	?	45
SouthernSg	a le mur (flying~), flying squirrel	0	p	1	ai	ĥ	11
WesternBw	e lemur (flying~), flying squirrel	0	b	1	i	-	33
Fuzzy	oquirer		b:100	1:100	e:100	?7:100	⁵¹ :100
ProtoKaren			b	1	e	?	51

COGID 1971 / «lick (v.)»

language	concept	pos	S1	S2	S 3
Kayah			Ø	Ø	Ø
Kayan	lick (v.)	0	1	ai	11
Kayaw	lick (v.)	0	1	i	11
NorthernPao			Ø	Ø	Ø
NorthernPwo			Ø	Ø	Ø
NorthernSgaw	lick (v.)	0	1	e	31
SouthernPao	lick (v.)	0	1	ai	33
SouthernPwo	lick (v.)	0	1	ai	55
SouthernSgaw	lick (v.)	0	1	i	45
WesternBwe	lick (v.)	0	1	i	33
Fuzzy			1:90 1:10	ai:100	¹¹ :100
ProtoKaren			ļ	ai	11

COGID 2036 / «linear measure of about two yards»

language	concept	pos	S1	S2	S 3	S4	S5	S 6
Kayah	linear measure of about two yards	0	k ^h	1	i	-	-	33
Kayan	linear measure of about two yards	0	\mathbf{k}^{h}	1	a	ŋ	-	53
Kayaw	J		Ø	Ø	Ø	Ø	Ø	Ø
•	Palonear measure of about two yards	0	\mathbf{k}^{h}	1	3	m	fi	31
Northern	Pwimear measure of about two yards	0	\mathbf{k}^{h}	1	ãi	-	-	35
NorthernS	gainear measure of about two yards	0	\mathbf{k}^{h}	1	i	-	-	33
SouthernF	Palonear measure of about two yards	0	\mathbf{k}^{h}	1	3	ŋ	ĥ	31
SouthernF	Pwimear measure of about two yards	0	\mathbf{k}^{h}	1	ãi	-	-	53
SouthernS	gainear measure of about two yards	0	\mathbf{k}^{h}	1	i	-	-	55
WesternB	•		Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			k ^h :100	1:100	ε:100	ท:90¦ŋ:1	•	⁵⁵ :100
ProtoKare	n		\mathbf{k}^{h}	1	3	N	55	

COGID 2046 / «listen to»

language	concept	pos	S1	S2	S 3
Kayah			Ø	Ø	Ø
Kayan	listen to	0	n	a	11
Kayaw	listen to	0	n	a	11
NorthernPao	listen to	0	n	a	55
NorthernPwo	listen to	0	n	a	33
NorthernSgaw	listen to	1	n	a	31
SouthernPao	listen to	0	n	a	33
SouthernPwo	listen to	0	n	a	55
SouthernSgaw	listen to	0	n	a	45
WesternBwe	listen to	1	n	3	33
Fuzzy			n:50¦n:50	a:100	¹¹ :100
ProtoKaren			ů	a	11

COGID 2059 / «live, stay»

language	concept	pos	S1	S2	S 3	S4
Kayah	live, stay	0	?	0	-	11
Kayan	live, stay	0	?	au	-	11
Kayaw	live, stay	0	?	0	-	11
NorthernPao	live, stay	0	?	0	ŋ	55
NorthernPwo	live, stay	0	?	õ	-	33
NorthernSgaw	live, stay	0	?	õ	-	31
SouthernPao	live, stay	0	?	0	ŋ	33
SouthernPwo	live, stay	0	?	õ	-	55
SouthernSgaw	live, stay	0	?	u	-	45
WesternBwe	live, stay	0	_	Э	-	33
Fuzzy	, ,		?:100	ɔ :100	ŋ:100	¹¹ :100
ProtoKaren			?	Э	N	11

COGID 2072 / «liver»

language	concept	pos	S1	S2	S 3	S4	S5
Kayah	liver	0	S	-	0	-	11
Kayan	liver	0	θ	-	i	-	11
Kayaw			Ø	Ø	Ø	Ø	Ø
NorthernPao	liver	0	S	-	i	n	55
NorthernPwo	liver	0	S	-	ã	-	33
NorthernSgaw	liver	0	S	-	ũ	-	31
SouthernPao	liver	0	S	W	ə	n	33
SouthernPwo	liver	0	θ	-	ãi	-	55
SouthernSgaw	liver	0	S	-	u	-	45
WesternBwe	liver	0	θ	-	u	-	55
Fuzzy			s:100	w:60¦-:40	i:100	м:70¦n:30	¹¹ :100
ProtoKaren			S	W	i	n	11

COGID 2120 / «loris»

language	concept	pos	S1	S2	S 3	S4
Kayah	loris	0	\mathbf{c}^{h}	Э	-	33
Kayan	loris	0	\mathbf{c}^{h}	ə	ŋ	53
Kayaw	loris	0	$\mathbf{c}^{\mathbf{h}}$	ə	-	55

language	concept	pos	S1	S2	S3	S4
NorthernPao			Ø	Ø	Ø	Ø
NorthernPwo	loris	0	$\mathbf{c}^{\mathbf{h}}$	ãi	-	35
NorthernSgaw	loris	1	$\mathbf{c}^{\mathbf{h}}$	e	-	33
SouthernPao			Ø	Ø	Ø	Ø
SouthernPwo	loris	1	$\mathbf{c}^{\mathbf{h}}$	ε̃i	-	53
SouthernSgaw	loris	1	$\mathbf{c}^{\mathbf{h}}$	i	-	55
WesternBwe			Ø	Ø	Ø	Ø
Fuzzy			ch:100	ə:90¦ə.ŋ:10	ŋ:60¦n:40	⁵⁵ :100
ProtoKaren			c^h	Э	ŋ	55

COGID 2153 / «louse (head~)»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	louse (head~)	0	S	0	11		
Kayan	louse (head~)	0	θ	i	11		
Kayaw	louse (head~)	0	S	i	11		
NorthernPao	louse (head~)	0	S	i	55		
NorthernPwo	louse (head~)	0	S	$\tilde{\mathfrak{a}}$	33		
NorthernSgaw	louse (head~)	0	S	ũ	31		
SouthernPao	louse (head~)	0	S	i	33		
SouthernPwo	louse (head~)	0	θ	õ <u>i</u>	55		
SouthernSgaw	louse (head~)	0	S	u	45		
WesternBwe	louse (head~)	0	θ	О	11		
Fuzzy	•		s:100	i.n:100	¹¹ :100		
ProtoKaren			S	W	i	N	11

COGID 2167 / «lung»

language	concept	pos	S1	S2	S3
Kayah			Ø	Ø	Ø
Kayan			Ø	Ø	Ø
Kayaw			Ø	Ø	Ø
NorthernPao			Ø	Ø	Ø
NorthernPwo			Ø	Ø	Ø
NorthernSgaw	lung	0	p	ə	33
SouthernPao			Ø	Ø	Ø
SouthernPwo	lung	0	b	u	33
SouthernSgaw			Ø	Ø	Ø

language	concept	pos	S1	S2	S3
WesternBwe Fuzzy ProtoKaren			Ø p:100 p	Ø ə:100 ə	Ø 0:90 155:10

COGID 2180 / «maggot»

language	concept	pos	S1	S2	S 3	S4
Kayah	maggot	0	1	Э	-	11
Kayan	maggot	0	1	əu	-	11
Kayaw	maggot	0	1	ə	-	11
NorthernPao	maggot	0	1	0	ŋ	55
NorthernPwo	maggot	0	1	ãu	-	33
NorthernSgaw	maggot	0	1	õ	-	31
SouthernPao	maggot	0	1	0	ŋ	33
SouthernPwo	maggot	0	1	õu	-	55
SouthernSgaw	maggot	0	1	i	-	45
WesternBwe	maggot	0	1	0	-	33
Fuzzy	30		1:100	o:100	η:100	¹¹ :100
ProtoKaren			100	0	ŋ	11

COGID 2254 / «milipede»

language	concept	pos	S1	S2	S3
Kayah	milipede	1	k	ວ	55
Kayan	milipede	1	k	ə	11
Kayaw	-		Ø	Ø	Ø
NorthernPao	milipede	0	k	Э	55
NorthernPwo	_		Ø	Ø	Ø
NorthernSgaw			Ø	Ø	Ø
SouthernPao	milipede	0	k	Э	11
SouthernPwo			Ø	Ø	Ø
SouthernSgaw			Ø	Ø	Ø
WesternBwe			Ø	Ø	Ø
Fuzzy			k:100	ə:100	°:90 11:10
ProtoKaren			k	ə	0

COGID 2294 / «money»

language	concept	pos	S1	S2	S3	S4	S5	S6
Kayah	money	0	r	_	i	-	-	33
Kayan	money	0	r	W	a	ŋ	-	53
Kayaw	money	0	r	-	u	-	-	55
NorthernPa	omoney	0	r	-	ə	ŋ	ĥ	31
NorthernPv	•		Ø	Ø	Ø	Ø	Ø	Ø
NorthernSg	aw		Ø	Ø	Ø	Ø	Ø	Ø
SouthernPa	omoney	0	r	W	ə	n	-	31
SouthernPv	VO		Ø	Ø	Ø	Ø	Ø	Ø
SouthernSg	aw		Ø	Ø	Ø	Ø	Ø	Ø
WesternBw	e		Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy		r:70¦r:30	-:100	u:100	n:50 n:30 ŋ:2	20:100	⁵⁵ :100	
ProtoKaren			ŗ	u	n	55		

COGID 2311 / «monitor lizard (water~)»

language	concept	pos	S1	S2	S 3	S4
Kayah	monitor lizard (water~)	0	-	r	e	33
Kayan			Ø	Ø	Ø	Ø
Kayaw	monitor lizard (water~)	0	t	r	e	55
NorthernPao			Ø	Ø	Ø	Ø
NorthernPwo			Ø	Ø	Ø	Ø
NorthernSgav	V		Ø	Ø	Ø	Ø
SouthernPao			Ø	Ø	Ø	Ø
SouthernPwo	monitor lizard (water~)	0	-	γ	еi	31
SouthernSgav	v monitor lizard (water~)	0	-	r	e	55
WesternBwe	monitor lizard (water~)	0	t	r	e	55
Fuzzy			t:80¦-:20	r:100	e:100	⁵⁵ :100
ProtoKaren			t	r	e	55

COGID 2328 / «moon, month»

language	concept	pos	S1	S2	S 3	S4
Kayah	moon, month	0	1	e	-	33
Kayan	moon, month	0	1	a	-	53
Kayaw	moon, month	0	1	a	-	55
NorthernPao	moon, month	0	1	a	ĥ	31
NorthernPwo	moon, month	0	1	a	-	55
NorthernSgaw	moon, month	0	1	a	_	33
SouthernPao	moon, month	0	1	a	ĥ	31
SouthernPwo	moon, month	0	1	a	ĥ	31
SouthernSgaw	moon, month	0	1	a	_	55
WesternBwe	moon, month	0	1	3	_	55
Fuzzy	,		1:100	a:100	-:100	⁵⁵ :100
ProtoKaren			[?] 1	a	55	

COGID 2363 / «mynah»

language	concept	pos	S1	S2	S 3
Kayah			Ø	Ø	Ø
Kayan			Ø	Ø	Ø
Kayaw	mynah	0	S	a	11
NorthernPao	•		Ø	Ø	Ø
NorthernPwo			Ø	Ø	Ø
NorthernSgaw			Ø	Ø	Ø
SouthernPao			Ø	Ø	Ø
SouthernPwo			Ø	Ø	Ø
SouthernSgaw			Ø	Ø	Ø
WesternBwe	mynah	0	θ	ə	33
Fuzzy	•		s:100	ə:100	°:90 11:10
ProtoKaren			S	ə	0

COGID 2362 / «mynah»

language	concept	pos	S 1	S2	S 3	S4
Kayah			Ø	Ø	Ø	Ø
Kayan	mynah	0	r	a	ŋ	11
Kayaw	mynah	1	r	Э	-	11
NorthernPao	mynah	0	r	a	n	55
NorthernPwo			Ø	Ø	Ø	Ø
NorthernSgaw			Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4
SouthernPao	mynah	0	r	a	n	33
SouthernPwo	•		Ø	Ø	Ø	Ø
SouthernSgaw			Ø	Ø	Ø	Ø
WesternBwe	mynah	1	r	a	-	33
Fuzzy			r:100	a:100	n:80¦n:20	¹¹ :100
ProtoKaren			r	a	N	11

COGID 2372 / «nail»

language	concept	pos	S1	S2	S 3
Kayah	nail	0	m	Ә	11
Kayan	nail	0	m	i	11
Kayaw	nail	0	m	i	11
NorthernPao	nail	0	m	i	55
NorthernPwo	nail	0	m	ei	33
NorthernSgaw	nail	0	m	e	31
SouthernPao	nail	0	m	i	33
SouthernPwo	nail	0	m	ei	55
SouthernSgaw	nail	0	m	i	45
WesternBwe	nail	1	m	i	33
Fuzzy			m:100	ei:100	¹¹ :100
ProtoKaren			ŵ	ei	11

COGID 2388 / «name»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	name	0	m	-	i	_	11
Kayan	name	0	m	j	ə	ŋ	33
Kayaw	name	0	m	-	i	-	33
NorthernPao	name	0	m	-	i	n	33
NorthernPwo	name	0	m	-	ãi	-	55
NorthernSgaw	name	0	m	-	i	-	33
SouthernPao	name	0	m	-	i	n	53
SouthernPwo	name	0	m	-	εĩ	-	31
SouthernSgaw	name	0	m	-	i	-	33
WesternBwe	name	0	m	-	i	-	33
Fuzzy			m:100	-:100	i:100	n:60¦n:40	⁵⁵ :100

language	concept	pos	S1	S2	S3	S4	S5
ProtoKaren			m	i	n	55	

COGID 2401 / «narrow»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	narrow	0	?	-	i	-	11
Kayan	narrow	0	?	j	a	ŋ	11
Kayaw	narrow	0	?	-	i	-	11
NorthernPao	narrow	0	?	-	3	n	55
NorthernPwo	narrow	0	?	-	ãi	-	33
NorthernSgaw	narrow	0	?	-	ĩ	-	31
SouthernPao	narrow	0	?	-	3	n	33
SouthernPwo	narrow	0	?	-	ãi	-	55
SouthernSgaw	narrow	0	?	-	i	-	45
WesternBwe			Ø	Ø	Ø	Ø	Ø
Fuzzy			?:100	-:100	ε:100	n:70¦n:30	¹¹ :100
ProtoKaren			?	j	3	n	11

COGID 2429 / «neck, cheek»

language	concept	pos	S1	S2	S3	S4
Kayah	neck, cheek	1	b	0	-	33
Kayan	neck, cheek	1	b	Э	-	53
Kayaw	neck, cheek	1	Ъ	0	-	55
NorthernPao			Ø	Ø	Ø	Ø
NorthernPwo			Ø	Ø	Ø	Ø
NorthernSgaw	neck, cheek	1	b	0	-	33
SouthernPao			Ø	Ø	Ø	Ø
SouthernPwo	neck, cheek	1	Ъ	0	ĥ	31
SouthernSgaw			Ø	Ø	Ø	Ø
WesternBwe	neck, cheek	0	6	Э	-	33
Fuzzy			²b:100	ɔ:100	-:100	⁵⁵ :70¦°:30
ProtoKaren			³b	Э	55	<u>'</u>

COGID 2456 / «nine»

language	concept	pos	S1	S2	S3	S4
Kayah			Ø	Ø	Ø	Ø
Kayan			Ø	Ø	Ø	Ø
Kayaw			Ø	Ø	Ø	Ø
NorthernPao	nine	0	k	0	t	45
NorthernPwo			Ø	Ø	Ø	Ø
NorthernSgaw			Ø	Ø	Ø	Ø
SouthernPao	nine	0	k	0	t	45
SouthernPwo			Ø	Ø	Ø	Ø
SouthernSgaw			Ø	Ø	Ø	Ø
WesternBwe			Ø	Ø	Ø	Ø
Fuzzy			k:100	o:100	t:100	⁵⁵ :80 ⁵¹ :20
ProtoKaren			k	0	t	55

COGID 2468 / «obtain, receive, take, get»

language	concept	pos	S1	S2	S 3	S4
Kayah	obtain, receive, take,	0	n	i	-	11
	get					
Kayan	obtain, receive, take,	0	n	ai	-	11
T7	get	0		•		11
Kayaw	obtain, receive, take,	0	n	i	-	11
NorthornDoo	get obtain, receive, take,	0	n	e		53
Normemea	get	U	11	C	-	
NorthernPwo	obtain, receive, take,	0	n	i	ĥ	11
	get	-		_		
NorthernSgav	wobtain, receive, take,	0	n	e	ĥ	11
	get					
SouthernPao			Ø	Ø	Ø	Ø
SouthernPwo	obtain, receive, take,	0	n	i	-	33
_	get					0.1
SouthernSgav	wobtain, receive, take,	0	n	e	-	31
147 · D	get	0		•		33
WesternBwe	obtain, receive, take,	0	n	i	-	55
Euggy	get		n.70 n.20	0.100	.100	¹¹ :100
Fuzzy			n:70¦n:30	e:100	-:100	.100
ProtoKaren			n	e		

COGID 2505 / «one»

language	concept	pos	S1	S2	S3	S4
Kayah	one	0	t	Э	-	0
Kayan			Ø	Ø	Ø	Ø
Kayaw	one	0	t	ə	-	0
NorthernPao	one	0	t	a	?	21
NorthernPwo			Ø	Ø	Ø	Ø
NorthernSgav	vone	0	t	ə	-	33
SouthernPao	one	0	t	a	?	21
SouthernPwo			Ø	Ø	Ø	Ø
SouthernSgav	v one	0	t	ə	?	21
WesternBwe	one	0	t	0	-	55
Fuzzy			t:90¦d:10	ə:100	? ⁻ :70¦-:30	$^{55}:50 ^{0}:30 ^{51}:20$
ProtoKaren			t	ə	?	0

COGID 2506 / «one»

language	concept	pos	S1	S2	S3	S4
Kayah			Ø	Ø	Ø	Ø
Kayan	one	0	1	a	-	11
Kayaw			Ø	Ø	Ø	Ø
NorthernPao)		Ø	Ø	Ø	Ø
NorthernPwo	o one	0	1	a	?	21
NorthernSga	w		Ø	Ø	Ø	Ø
SouthernPao)		Ø	Ø	Ø	Ø
SouthernPwo	o one	0	1	a	ĥ	31
SouthernSga	w		Ø	Ø	Ø	Ø
WesternBwe			Ø	Ø	Ø	Ø
Fuzzy			1:50 k:40 1:10	ə:60¦a:40	-:60¦? ⁻ :40	⁰ :90 ⁵⁵ :10
ProtoKaren			1	a	?	33

COGID 2520 / «open (the mouth)»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	open (the mouth)	0	?	3	-	-	33

language	concept	pos	S1	S2	S3	S4	S5
Kayan	open (the mouth)	0	?	a	ŋ	-	53
Kayaw	open (the mouth)	0	?	Э	-	-	55
NorthernPao	open (the mouth)	0	?	a	n	ĥ	31
NorthernPwo			Ø	Ø	Ø	Ø	Ø
NorthernSgav	wopen (the mouth)	0	?	Э	-	-	33
SouthernPao	open (the mouth)	0	?	a	n	ĥ	31
SouthernPwo	open (the mouth)	0	?	õ	-	ĥ	31
SouthernSgav	V		Ø	Ø	Ø	Ø	Ø
WesternBwe			Ø	Ø	Ø	Ø	Ø
Fuzzy			?:100	a:100	N:90¦n:10	-:100	⁵⁵ :100
ProtoKaren			?	a	N	55	

COGID 2531 / «ox, bull, cow»

language	concept	pos	S1	S2	S 3
Kayah	ox, bull, cow	0	p	u	11
Kayan	ox, bull, cow	0	p	au	11
Kayaw	ox, bull, cow	0	p	u	11
NorthernPao	ox, bull, cow	0	p^{h}	0	53
NorthernPwo			Ø	Ø	Ø
NorthernSgaw			Ø	Ø	Ø
SouthernPao	ox, bull, cow	0	p	0	55
SouthernPwo	, ,		Ø	Ø	Ø
SouthernSgaw			Ø	Ø	Ø
WesternBwe	ox, bull, cow	0	b	0	33
Fuzzy	, , ,		b:90 p:10	o:100	¹¹ :100
ProtoKaren			b	0	11

COGID 2570 / «path, trail, way»

language	concept	pos	S1	S2	S3	S4
Kayah			Ø	Ø	Ø	Ø
Kayan	path, trail, way	0	k	1	3	33
Kayaw	path, trail, way	0	k	1	3	33
NorthernPao			Ø	Ø	Ø	Ø
NorthernPwo			Ø	Ø	Ø	Ø
NorthernSgaw	path, trail, way	0	k	1	ε	33
SouthernPao	path, trail, way	0	k	1	ai	53
SouthernPwo	1 , , ,		Ø	Ø	Ø	Ø
SouthernSgaw	path, trail, way	0	k	1	3	33
WesternBwe	path, trail, way	0	k	1	3	33
Fuzzy	1 , , , ,		k:100	l:90 <u>l</u> :10	ε:100	⁵⁵ :100
ProtoKaren			k	1	ε	55

COGID 2591 / «pen, coop»

language	concept	pos	S1	S2	S 3	S4
Kayah			Ø	Ø	Ø	
Kayan			Ø	Ø	Ø	
Kayaw			Ø	Ø	Ø	
NorthernPao			Ø	Ø	Ø	
NorthernPwo			Ø	Ø	Ø	
NorthernSgaw	pen, coop	0	k	ə	11	
SouthernPao	1 , 1		Ø	Ø	Ø	
SouthernPwo			Ø	Ø	Ø	
SouthernSgaw	pen, coop	0	k	ə.?	21	
WesternBwe	1 , 1		Ø	Ø	Ø	
Fuzzy			k:90 g:10	ə:100	-:80¦?¬:20	⁰ :100
ProtoKaren			k	Э	0	

COGID 2673 / «porcupine»

language	concept	pos	S1	S2	S 3	S4	S5
Kayah	porcupine	0	S	-	i	-	11
Kayan	porcupine	0	θ	W	a	ŋ	11
Kayaw	porcupine	0	S	-	u	-	11
NorthernPao	porcupine	0	S	-	u	n	55
NorthernPwo			Ø	Ø	Ø	Ø	Ø
NorthernSgaw			Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5
SouthernPao	porcupine	0	S	W	Э	m	33
SouthernPwo			Ø	Ø	Ø	Ø	Ø
SouthernSgaw	porcupine	0	S	-	u	-	45
WesternBwe	porcupine	0	θ	-	u	-	33
Fuzzy			s:100	-:100	u:100	n:50¦n:50	¹¹ :100
ProtoKaren			S	u	n	11	

COGID 2682 / «porcupine (brush-tailed~)»

language	concept	pos	S1	S2	S3
Kayah	porcupine (brush-tailed~)	0	S	e	33
Kayan			Ø	Ø	Ø
Kayaw	porcupine (brush-tailed~)	0	S	a	55
NorthernPao			Ø	Ø	Ø
NorthernPwo			Ø	Ø	Ø
NorthernSgaw			Ø	Ø	Ø
SouthernPao			Ø	Ø	Ø
SouthernPwo	porcupine (brush-tailed~)	0	θ	ə	55
SouthernSgaw			Ø	Ø	Ø
WesternBwe			Ø	Ø	Ø
Fuzzy			s:100	ə:100	⁰ :90 ⁵⁵ :10
ProtoKaren			S	ə	0

COGID 2725 / «pumpkin (ash~)»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	pumpkin (ash~)	0	1	-	i	-	11
Kayan	pumpkin (ash~)	0	1	W	a	ŋ	11
Kayaw	pumpkin (ash~)	0	1	-	u	-	11
NorthernPao)		Ø	Ø	Ø	Ø	Ø
NorthernPwo	o pumpkin (ash~)	0	1	-	ã	ĥ	11
NorthernSga	w pumpkin (ash~)	0	1	-	u	fi	11
SouthernPao	1		Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5
SouthernPwo	pumpkin (ash~)	0	1	-	õ	-	33
SouthernSgav	v pumpkin (ash~)	0	1	-	u	-	31
WesternBwe	pumpkin (ash~)	0	1	-	u	-	11
Fuzzy			1:100	-:100	u:100	ŋ:50¦n:50	¹¹ :100
ProtoKaren			1	u	N	11	

COGID 2735 / «push»

language	concept	pos	S1	S2	S3	<u>S4</u>
Kayah	push	0	c^{h}	ε	11	
Kayan	•		Ø	Ø	Ø	
Kayaw	push	0	$\mathbf{c}^{\mathbf{h}}$	Э	11	
NorthernPao	-		Ø	Ø	Ø	
NorthernPwo	push	0	$\mathbf{c}^{\mathbf{h}}$	$\tilde{\epsilon}$	33	
NorthernSgaw	push	0	$\mathbf{c}^{\mathbf{h}}$	Э	31	
SouthernPao	•		Ø	Ø	Ø	
SouthernPwo	push	0	$\mathbf{c}^{\mathbf{h}}$	õ	55	
SouthernSgaw	push	0	$\mathbf{c}^{\mathbf{h}}$	Э	45	
WesternBwe	push	0	ſ	a	33	
Fuzzy	-		ch:100	a.n:100	¹¹ :100	
ProtoKaren			c^{h}	a	N	11

COGID 2769 / «put out (the tongue)»

language	concept	pos	S1	S2	S3	S4
Kayah			Ø	Ø	Ø	Ø
Kayan			Ø	Ø	Ø	Ø
Kayaw	put out (the tongue)	0	1	i	-	11
NorthernPao	put out (the tongue)	0	1	ε	m	55
NorthernPwo	put out (the tongue)	0	1	ãi	-	33
NorthernSgaw	put out (the tongue)	0	1	ẽ	-	31
SouthernPao	put out (the tongue)	0	1	3	m	33
SouthernPwo	put out (the tongue)	0	1	ãi	-	55
SouthernSgaw	put out (the tongue)	0	1	i	-	45
WesternBwe			Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4
Fuzzy ProtoKaren			1:80¦l:20 1	ε:100 ε	m:100 m	¹¹ :100

COGID 2813 / «rattan»

language	concept	pos	S1	S2	S 3
Kayah	rattan	0	r	i	11
Kayan	rattan	0	r	ai	11
Kayaw	rattan	0	r	i	11
NorthernPao	rattan	0	r	e	53
NorthernPwo			Ø	Ø	Ø
NorthernSgaw			Ø	Ø	Ø
SouthernPao	rattan	0	r	e	55
SouthernPwo			Ø	Ø	Ø
SouthernSgaw	rattan	0	r	e	31
WesternBwe			Ø	Ø	Ø
Fuzzy			r:90¦r:10	e:90¦i:10	¹¹ :100
ProtoKaren			r	e	11

COGID 2858 / «ripe, cooked»

language	concept	pos	S1	S2	S 3	S4	S5	S6
Kayah	ripe, cooked	0	m	-	i	-	-	33
Kayan	ripe, cooked	0	m	j	ə	ŋ	-	53
Kayaw	ripe, cooked	0	m	-	i	-	-	55
NorthernPa	o ripe, cooked	0	m	-	i	n	ĥ	31
NorthernPv	voripe, cooked	0	m	-	ãi	-	-	55
NorthernSg	awripe, cooked	0	m	-	i	-	-	33
SouthernPa		0	m	-	i	n	ĥ	31
SouthernPv		0	m	-	ε̃i	-	-	31

language	concept	pos	S1	S2	S 3	S4	S5	S6
SouthernSga	wripe, cooked	0	m	-	i	-	-	55
WesternBwe	ripe, cooked	0	m	-	i	-	-	55
Fuzzy			m:100 ² m	-:100 :	i:100	n:60¦n:40	-:100	⁵⁵ :100
ProtoKaren			-111	1	n			

COGID 2871 / «roast (by stuffing into fresh bamboo sections)»

language	concept	pos	S1	S2	S 3	S4
Kayah	roast (by stuffing into fresh bamboo sections)	0	t	ai	-	11
Kayan	roast (by stuffing into fresh bamboo sections)	0	t	e	-	33
Kayaw	roast (by stuffing into fresh bamboo sections)	0	t	e	-	33
NorthernP	a o oast (by stuffing into fresh bamboo sections)	0	t ^h	e	n	33
Northern P	,		Ø	Ø	Ø	Ø
NorthernS	gawast (by stuffing into fresh bamboo sections)	0	t	e	-	33
SouthernPa	ao		Ø	Ø	Ø	Ø
SouthernP	wroast (by stuffing into fresh bamboo sections)	0	t ^h	εĩ	-	31
SouthernS	gawast (by stuffing into fresh bamboo sections)	0	t	e	-	33
WesternBv	veroast (by stuffing into fresh bamboo sections)	0	d	e	-	33
Fuzzy			d:100	e:100	n:90¦- :10	⁵⁵ :100
ProtoKarei	ı		d	e	N	55

COGID 2973 / «seven»

language	concept	pos	S1	S2	S3	S4	S5
Kayah			Ø	Ø	Ø	Ø	Ø
Kayan	seven	0	n	W	3	-	53
Kayaw	seven	1	n	-	e	-	55

language	concept	pos	S1	S2	S3	S4	S5
NorthernPao	seven	0	n	-	i	t	21
NorthernPwo	seven	0	n	W	3	-	55
NorthernSgaw	seven	0	n	W	i	?	45
SouthernPao	seven	0	n	-	ə	t	45
SouthernPwo	seven	0	n	W	3	ĥ	31
SouthernSgaw	seven	0	n	W	i	-	55
WesternBwe	seven	0	n	W	e	-	55
Fuzzy			n:50¦ռ:50	w:100	e:100	t7:100	⁵¹ :100
ProtoKaren			[?] n	w	e	t	51

COGID 3018 / «shivering»

language	concept	pos	S1	S2	S3	S4
Kayah			Ø	Ø	Ø	Ø
Kayan	shivering	0	k	a	?	21
Kayaw	shivering	0	k	Э	-	11
NorthernPao	O		Ø	Ø	Ø	Ø
NorthernPwo			Ø	Ø	Ø	Ø
NorthernSgaw			Ø	Ø	Ø	Ø
SouthernPao			Ø	Ø	Ø	Ø
SouthernPwo			Ø	Ø	Ø	Ø
SouthernSgaw	shivering	0	k	ə	-	11
WesternBwe	O		Ø	Ø	Ø	Ø
Fuzzy			k:100	ə:100	? ⁻ :80¦-:20	$^{0}:90 ^{11}:10$
ProtoKaren			k	ə	? '	0

COGID 3017 / «shivering»

language	concept	pos	S1	S2	S 3	S4
Kayah	shivering	1	n	3	-	55
Kayan	shivering	1	n	au	?	45
Kayaw	shivering	1	n	0	-	33
NorthernPao	shivering	1	n	ə	?	21
NorthernPwo			Ø	Ø	Ø	Ø
NorthernSgaw	shivering	1	n	Э	?	45
SouthernPao	shivering	1	n	ə	?	21
SouthernPwo			Ø	Ø	Ø	Ø
SouthernSgaw	shivering	1	n	0	?	21

language	concept	pos	S1	S2	S 3	S4
WesternBwe Fuzzy			Ø n:100	Ø 5:100	Ø ?':100	Ø 51:100
ProtoKaren			ņ	Э	?	51

COGID 14 / «shivering»

language	concept	pos	S1	S2	S 3	S4
Kayah	shivering	0	t	ε	-	11
Kayan			Ø	Ø	Ø	Ø
Kayaw			Ø	Ø	Ø	Ø
NorthernPao	shivering	0	t	a	?	21
NorthernPwo	•		Ø	Ø	Ø	Ø
NorthernSgav	wshivering	0	t	ə	-	11
SouthernPao	shivering	0	t	a	-	11
SouthernPwo)		Ø	Ø	Ø	Ø
SouthernSgav	N		Ø	Ø	Ø	Ø
WesternBwe			Ø	Ø	Ø	Ø
Fuzzy			t:100	a:80¦ə:10¦ə.? ⁻ :10	? ⁻ :80¦-:20	°:70¦55:30
ProtoKaren			t	ə	?	0

COGID 3067 / «shove (with the foot)»

language	concept	pos	S1	S2	S3	S4	S5	S6
Kayah			Ø	Ø	Ø	Ø	Ø	Ø
Kayan			Ø	Ø	Ø	Ø	Ø	Ø
Kayaw	shove (with the	0	t^{h}	-	u	-	-	55
	foot)							
NorthernP	aoshove (with the	0	t^{h}	W	i	n	ĥ	31
	foot)							
NorthernP	w o hove (with the	0	$t^{\mathtt{h}}$	W	ã	-	-	35
	foot)							
NorthernS	gashove (with the	1	$t^{\mathtt{h}}$	W	y	-	-	33
	foot)							
SouthernP	aoshove (with the	0	$t^{\mathtt{h}}$	W	ə	m	ĥ	31
	foot)							
SouthernP	w o hove (with the	0	$t^{\mathtt{h}}$	W	ã <u>i</u>	-	-	53
	foot)							

language concept	pos	S1	S2	S3	S4	S5	S6
SouthernSgashove (with the foot)	0	t ^h	W	u	-	-	55
WesternBwe Fuzzy		Ø t ^h :100	Ø w:100	Ø i:100	Ø n:90¦n:10	Ø) - :100	Ø ⁵⁵ :100
ProtoKaren		t^h	w	i	N	55	

COGID 3077 / «six»

language	concept	pos	S1	S2	S3	S4
Kayah			Ø	Ø	Ø	Ø
Kayan	six	0	$\mathbf{c}^{\mathtt{h}}$	u	_	53
Kayaw			Ø	Ø	Ø	Ø
NorthernPao	six	0	S	u	ĥ	31
NorthernPwo	six	0	X	ou	-	35
NorthernSgaw	six	0	X	i	_	33
SouthernPao	six	0	S	u	ĥ	31
SouthernPwo	six	0	X	ou	_	53
SouthernSgaw	six	0	X	i	_	55
WesternBwe	six	0	X	u	_	55
Fuzzy			k ^h .r:100	ou:100	-:100	⁵⁵ :100
ProtoKaren			k^h	r	ou	55

COGID 3103 / «sleeping»

language	concept	pos	S1	S2	S3	S4
Kayah			Ø	Ø	Ø	Ø
Kayan	sleeping	1	n	ai	-	11
Kayaw	sleeping	1	n	i	-	11
NorthernPao			Ø	Ø	Ø	Ø
NorthernPwo			Ø	Ø	Ø	Ø
NorthernSgaw	sleeping	1	n	e	ĥ	11
SouthernPao			Ø	Ø	Ø	Ø
SouthernPwo			Ø	Ø	Ø	Ø
SouthernSgaw	sleeping	1	n	i	-	31
WesternBwe	1 0		Ø	Ø	Ø	Ø
Fuzzy			n:60¦n:40	ei:100	-:100	¹¹ :100

language	concept	pos	S1	S2	S3	S4
ProtoKaren			n	ei	11	

COGID 3125 / «smell (v.)»

language	concept	pos	S1	S2	S 3	S4	S5
Kayah			Ø	Ø	Ø	Ø	Ø
Kayan	smell (v.)	0	n	-	i	-	33
Kayaw	smell (v.)	0	n	-	i	-	33
NorthernPao	smell (v.)	0	n	-	u	m	33
NorthernPwo	smell (v.)	0	n	-	ã	-	35
NorthernSgav	wsmell (v.)	0	n	-	ə	-	33
SouthernPao		0	n	W	ə	m	53
SouthernPwo	smell (v.)	0	n	-	ãi	-	53
SouthernSgav	v smell (v.)	0	n	-	i	-	55
WesternBwe	smell (v.)	0	n	-	u	-	55
Fuzzy			n:50¦ը:50	-:70¦w:30	i:100	m:100	⁵⁵ :100
ProtoKaren			n	i	m	55	

COGID 3167 / «son-in-law»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	son-in-law	0	m	e	-	-	33
Kayan	son-in-law	0	m	a	-	?	21
Kayaw	son-in-law	0	m	Э	-	-	33
NorthernPao	son-in-law	0	m	a	-	?	45
NorthernPwo			Ø	Ø	Ø	Ø	Ø
NorthernSgaw	son-in-law	0	m	a	-	?	21
SouthernPao	son-in-law	0	m	a	-	?	45
SouthernPwo	son-in-law	0	m	a	-	?	45
SouthernSgaw	son-in-law	0	m	a	?	ĥ	11
WesternBwe	son-in-law	0	m	a	-	-	11
Fuzzy			m:90¦m:10	a:100	-:100	?7:100	⁵¹ :100
ProtoKaren			m	a	?	51	

COGID 3179 / «sour»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	sour	0	c^h	-	3	-	11
Kayan	sour	0	Ç	-	a	ŋ	11
Kayaw	sour	0	Ç	-	Э	-	11
NorthernPao	sour	0	Ç	j	a	n	55
NorthernPwo	sour	0	$\mathbf{c}^{\mathbf{h}}$	-	$\tilde{\epsilon}$	-	33
NorthernSgaw	sour	0	\mathbf{c}^{h}	-	Э	-	31
SouthernPao	sour	0	Ç	j	a	n	33
SouthernPwo	sour	0	\mathbf{c}^{h}	-	õ	-	55
SouthernSgaw	sour	0	\mathbf{c}^{h}	-	Э	_	45
WesternBwe	sour	0	ſ	-	a	_	33
Fuzzy			ch:100	j:100	a:100	n:60¦n:40	¹¹ :100
ProtoKaren			c^{h}	j	a	N	11

COGID 3215 / «spleen»

language	concept	pos	S1	S2	S3	<u>S4</u>
Kayah	spleen	0	m	ε	33	
Kayan	1		Ø	Ø	Ø	
Kayaw	spleen	0	m	3	55	
NorthernPao	•		Ø	Ø	Ø	
NorthernPwo	spleen	0	m	$\tilde{f \epsilon}$	35	
NorthernSgaw	spleen	1	m	Э	33	
SouthernPao	•		Ø	Ø	Ø	
SouthernPwo	spleen	0	m	õ	53	
SouthernSgaw	spleen	0	m	Э	55	
WesternBwe	spleen	1	m	a	33	
Fuzzy	-		m:100	a.n:100	⁵⁵ :100	
ProtoKaren			ŵ	a	N	55

COGID 3227 / «split (bamboo strip)»

language	concept	pos	S1	S2	S 3	S4
Kayah			Ø	Ø	Ø	Ø
Kayan			Ø	Ø	Ø	Ø
Kayaw	split (bamboo strip)	0	p	1	a	11
NorthernPao			Ø	Ø	Ø	Ø
NorthernPwo	split (bamboo strip)	0	b	1	a	33
NorthernSgaw	split (bamboo strip)	0	b	1	a	31

language	concept	pos	S1	S2	S3	S4
SouthernPao			Ø	Ø	Ø	Ø
SouthernPwo	split (bamboo strip)	0	b	1	a	55
SouthernSgaw	split (bamboo strip)	0	b	1	a	45
WesternBwe	split (bamboo strip)	0	p	1	3	33
Fuzzy			p:100	l:90¦l:10	a:100	¹¹ :100
ProtoKaren			p	1	a	11

COGID 3236 / «spray (v.)»

language	concept	pos	S1	S2	S3	S4	S5
Kayah			Ø	Ø	Ø	Ø	Ø
Kayan	spray (v.)	0	p^{h}	r	u	-	53
Kayaw	spray (v.)	0	p^{h}	r	u	-	55
NorthernPao	spray (v.)	0	p^{h}	r	u	ĥ	31
NorthernPwo	spray (v.)	0	\mathbf{p}^{h}	j	u	-	55
NorthernSgaw			Ø	Ø	Ø	Ø	Ø
SouthernPao	spray (v.)	0	p	r	u	ĥ	31
SouthernPwo	spray (v.)	0	p	r	u	ĥ	31
SouthernSgaw	spray (v.)	0	p	r	u	-	55
WesternBwe	spray (v.)	0	p^{h}	r	u	-	33
Fuzzy	- •		p:90¦b:10	r:100	u:100	-:100	⁵⁵ :100
ProtoKaren			p	r	u	55	

COGID 3259 / «squeeze, massage»

language	concept	pos	S1	S2	S3	S4
Kayah	squeeze, massage	0	c	i	-	11
Kayan	squeeze, massage	0	c	i	-	11
Kayaw	squeeze, massage	0	c	i	-	11
NorthernPao	squeeze, massage	0	c	i	m	53
NorthernPwo	squeeze, massage	0	$\mathbf{c^h}$	ãi	ĥ	11
NorthernSgaw	squeeze, massage	0	c	i	ĥ	11
SouthernPao	squeeze, massage	0	c	i	m	55
SouthernPwo	squeeze, massage	0	$\mathbf{c^h}$	ε̃i	-	33
SouthernSgaw	squeeze, massage	0	c	i	-	31
WesternBwe	squeeze, massage	0	c	i	-	33
Fuzzy	-		յ :90¦c:10	i:100	m:100	¹¹ :100

language	concept	pos	S1	S2	S3	S4
ProtoKaren			f	i	m	11

COGID 3271 / «squirrel»

language	concept	pos	S1	S2	S 3	S4
Kayah			Ø	Ø	Ø	Ø
Kayan			Ø	Ø	Ø	Ø
Kayaw			Ø	Ø	Ø	Ø
NorthernPao	squirrel	0	1	i	-	55
NorthernPwo	squirrel	0	1	ei	-	33
NorthernSgaw	squirrel	0	1	i	?	45
SouthernPao	squirrel	0	1	i	-	33
SouthernPwo	squirrel	0	1	ei	-	55
SouthernSgaw	squirrel	0	1	i	-	45
WesternBwe	squirrel	0	1	i	-	11
Fuzzy	•		1:100	i:100	-:100	¹¹ :100
ProtoKaren			100	i	11	

COGID 3458 / «tendon»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	tendon	0	t ^h	w	ε	-	11
Kayan	tendon	0	t^{h}	W	a	ŋ	11
Kayaw			Ø	Ø	Ø	Ø	Ø
NorthernPao			Ø	Ø	Ø	Ø	Ø
NorthernPwo	tendon	0	t^{h}	W	$\tilde{\epsilon}$	-	33
NorthernSgaw	tendon	0	t^{h}	W	Э	-	31
SouthernPao			Ø	Ø	Ø	Ø	Ø
SouthernPwo	tendon	0	t^{h}	W	õ	_	55
SouthernSgaw	tendon	0	t^{h}	W	Э	-	45
WesternBwe			Ø	Ø	Ø	Ø	Ø
Fuzzy			th:100	w:100	a:100	N:80¦ŋ:20	¹¹ :100
ProtoKaren			t ^h	w	a	N	11

COGID 3467 / «termite»

language	concept	pos	S1	S2	S 3	S4	S5	S6
Kayah	termite	1	-	w	ε	-	-	33
Kayan			Ø	Ø	Ø	Ø	Ø	Ø
Kayaw			Ø	Ø	Ø	Ø	Ø	Ø
NorthernPac	termite	1	?	W	a	n	ĥ	31
NorthernPw	0		Ø	Ø	Ø	Ø	Ø	Ø
NorthernSga	w		Ø	Ø	Ø	Ø	Ø	Ø
SouthernPao	termite	1	?	w	a	n	fi	31
SouthernPwe	0		Ø	Ø	Ø	Ø	Ø	Ø
SouthernSga	w		Ø	Ø	Ø	Ø	Ø	Ø
WesternBwe			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			?:100	w:100	a:100	N:60¦n:40	-:100	⁵⁵ :100
ProtoKaren			?	w	a	N	55	

COGID 3511 / «thick»

language	concept	pos	S1	S2	S3	S4	S5	S6
Kayah	thick	0	d	0	-	-	33	
Kayan	thick	0	d	i	-	-	53	
Kayaw	thick	0	d	u	-	-	55	
NorthernPa	othick	0	d	i	n	ĥ	31	
NorthernPv	VO		Ø	Ø	Ø	Ø	Ø	
NorthernSg	aw		Ø	Ø	Ø	Ø	Ø	
SouthernPa	othick	0	d.w	ə	m	ĥ	31	
SouthernPw	VO		Ø	Ø	Ø	Ø	Ø	
SouthernSg	aw		Ø	Ø	Ø	Ø	Ø	
WesternBw	e		Ø	Ø	Ø	Ø	Ø	
Fuzzy			² d:90 ² d.w:1	0-	i:100	n:100	-:100	⁵⁵ :100
-			:60¦w:40					
ProtoKaren			² d	W	i	N	55	

COGID 3518 / «thin (as of cloth)»

language	concept	pos	S1	S2	S3	S4
Kayah	thin (as of cloth)	0	b	i	-	33
Kayan	thin (as of cloth)	0	b	i	-	53
Kayaw			Ø	Ø	Ø	Ø
NorthernPao	thin (as of cloth)	0	b	ə	ĥ	31
NorthernPwo			Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4
NorthernSgaw	thin (as of cloth)	0	b	u	-	33
SouthernPao	thin (as of cloth)	0	b	ə	ĥ	31
SouthernPwo	thin (as of cloth)	0	b	аә	ĥ	31
SouthernSgaw	thin (as of cloth)	0	b	u	-	55
WesternBwe			Ø	Ø	Ø	Ø
Fuzzy			[?] b:100	ə:90¦u:10	-:100	⁵⁵ :100
ProtoKaren			³b	9	55	

COGID 3528 / «thousand»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	thousand	0	r	i	-	-	33
Kayan	thousand	0	r	e	-	-	53
Kayaw	thousand	0	r	e	-	-	55
NorthernPao	thousand	0	r	e	ŋ	ĥ	31
NorthernPwo			Ø	Ø	ø	Ø	Ø
NorthernSgaw	•		Ø	Ø	Ø	Ø	Ø
SouthernPao	thousand	0	r	e	ŋ	ĥ	31
SouthernPwo			Ø	Ø	Ø	Ø	Ø
SouthernSgaw	•		Ø	Ø	Ø	Ø	Ø
WesternBwe			Ø	Ø	Ø	Ø	Ø
Fuzzy			r:70 r:30	e:100	ŋ:100	-:100	⁵⁵ :100
ProtoKaren			ŗ	e	ŋ	55	

COGID 3530 / «thousand»

language	concept	pos	S1	S2	S3	S4
Kayah			Ø	Ø	Ø	
Kayan			ø	ø	ø	
Kayaw	thousand	0	t^{h}	0	33	
NorthernPao			Ø	Ø	Ø	
NorthernPwo			Ø	Ø	Ø	
NorthernSgaw	thousand	1	t^{h}	0	33	
SouthernPao			Ø	Ø	Ø	
SouthernPwo	thousand	0	t^{h}	õ	53	
SouthernSgaw	thousand	0	t^{h}	u	55	
WesternBwe	thousand	1	t^{h}	Э	55	
Fuzzy			t ^h :100	ა.ŋ:90¦ა:10	⁵⁵ :100	

language	concept	pos	S1	S2	S 3	S4
ProtoKaren			t ^h	Э	ŋ	55

COGID 3640 / «tomorrow»

language	concept	pos	S1	S2	S 3
Kayah	tomorrow	1	r	0	11
Kayan			Ø	Ø	Ø
Kayaw	tomorrow	1	r	О	33
NorthernPao	tomorrow	1	r	au	33
NorthernPwo			Ø	Ø	Ø
NorthernSgaw			Ø	Ø	Ø
SouthernPao	tomorrow	1	r	au	53
SouthernPwo			Ø	Ø	Ø
SouthernSgaw			Ø	Ø	Ø
WesternBwe			Ø	Ø	Ø
Fuzzy			r:100	o:80 ə:20	⁵⁵ :100
ProtoKaren			r	o '	55

COGID 3704 / «trunk (of a tree), firewood»

language	concept	pos	S1	S2	S3	S4
Kayah	trunk (of a tree), firewood	0	m	Э	-	11
Kayan	trunk (of a tree),	0	m	9	-	11
Kayaw	trunk (of a tree), firewood	0	m	ə	-	11
NorthernPa	no trunk (of a tree), firewood	0	m	i	ŋ	53
NorthernPv	votrunk (of a tree), firewood	0	m	ã	ĥ	11
NorthernSg	gawrunk (of a tree), firewood	0	m	i	ĥ	11
SouthernPa	o trunk (of a tree), firewood	0	m	ə	ŋ	55
SouthernPv	VO		Ø	Ø	Ø	Ø
SouthernSg	gaw		Ø	Ø	Ø	Ø
WesternBw	re		Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4
Fuzzy			m:90¦m:10	ə:100	ŋ:90¦n:10	¹¹ :100
ProtoKaren			m	ə	ŋ	11

COGID 3713 / «trunk (of an elephant)»

language	concept	pos	S1	S2	S 3	S4	S5
Kayah	trunk (of an elephant)	0	m	-	О	-	11
Kayan	trunk (of an elephant)	0	m	-	Э	-	33
Kayaw			Ø	Ø	Ø	Ø	Ø
NorthernPa	0		Ø	Ø	Ø	Ø	Ø
NorthernPv	votrunk (of an elephant)	0	m	1	õ	-	55
NorthernSg	avtrunk (of an elephant)	1	m	1	Э	-	33
SouthernPa	o trunk (of an elephant)	0	m	-	Э	-	53
SouthernPw	votrunk (of an elephant)	0	m	1	õ	fi	31
SouthernSg	avtrunk (of an elephant)	0	m	1	u	-	33
WesternBw	e trunk (of an elephant)	0	b	1	Э	-	11
Fuzzy	•		m:90¦m:10	1:100	ɔ :100	-:100	⁵⁵ :100
ProtoKaren			m	1	Э	N	55

COGID 3727 / «two»

language	concept	pos	S1	S2	S 3
Kayah			Ø	Ø	Ø
Kayan			Ø	Ø	Ø
Kayaw	two	0	\mathbf{k}^{h}	i	55
NorthernPao			Ø	Ø	Ø
NorthernPwo	two	0	\mathbf{k}^{h}	ei	35
NorthernSgaw	two	0	\mathbf{k}^{h}	i	33
SouthernPao			Ø	Ø	Ø
SouthernPwo			Ø	Ø	Ø

language	concept	pos	S1	S2	S 3
SouthernSgaw	two	0	k ^h	i	55
WesternBwe	two	0	\mathbf{k}^{h}	i	55
Fuzzy			k ^h :100	i:80 ei:20	⁵⁵ :100
ProtoKaren			k^h	9	0

COGID 3726 / «two»

language	concept	pos	S1	S2	S3	S4
Kayah	two	0	n	ə	-	33
Kayan	two	0	ŋ	i	-	53
Kayaw			Ø	Ø	Ø	Ø
NorthernPao	two	0	n	i	ĥ	31
NorthernPwo			Ø	Ø	Ø	Ø
NorthernSgaw			Ø	Ø	Ø	Ø
SouthernPao	two	0	n	i	ĥ	31
SouthernPwo	two	0	n	ei	_	53
SouthernSgaw			Ø	Ø	Ø	Ø
WesternBwe			Ø	Ø	Ø	Ø
Fuzzy			n:50¦n:50	ei:90¦i:10	-:100	⁵⁵ :100
ProtoKaren			ņ	ei	55	

COGID 3752 / «vagina»

language	concept	pos	S1	S2	S3	S4
Kayah	vagina	0	1	i	-	11
Kayan	C		Ø	Ø	Ø	Ø
Kayaw	vagina	0	1	i	-	11
NorthernPao	vagina	0	1	i	n	53
NorthernPwo	vagina	0	1	ãi	ĥ	11
NorthernSgaw	vagina	0	1	i	ĥ	11
SouthernPao	vagina	0	1	i	m	55
SouthernPwo	vagina	0	1	εĩ	-	33
SouthernSgaw	vagina	0	1	i	-	31
WesternBwe	O		Ø	Ø	Ø	Ø
Fuzzy			1:100	i:100	n:90 m:10	¹¹ :100
ProtoKaren			1	i	n	11

COGID 3775 / «vulture»

language	concept	pos	S1	S2	S3	S4
Kayah	vulture	0	1	ε	-	11
Kayan			Ø	Ø	Ø	Ø
Kayaw	vulture	0	1	Э	-	11
NorthernPao	vulture	0	1	a	ŋ	55
NorthernPwo	vulture	0	1	$\tilde{f \epsilon}$	-	35
NorthernSgaw	vulture	0	1	õ	-	33
SouthernPao	vulture	0	1	a	ŋ	33
SouthernPwo	vulture	0	1	õ	-	53
SouthernSgaw	vulture	0	1	Э	-	33
WesternBwe	vulture	0	1	a	-	33
Fuzzy			1:100	a:100	ŋ:100	¹¹ :100
ProtoKaren			100	a	ŋ	11

COGID 3804 / «waist»

language	concept	pos	S1	S2	S 3
Kayah			Ø	Ø	Ø
Kayan			Ø	Ø	Ø
Kayaw			Ø	Ø	Ø
NorthernPao			Ø	Ø	Ø
NorthernPwo	waist	0	j	a	11
NorthernSgaw	waist	0	j	Э	11
SouthernPao			Ø	Ø	Ø
SouthernPwo	waist	0	j	ã	33
SouthernSgaw	waist	0	j	Э	31
WesternBwe	waist	0	j	a	33
Fuzzy			j:100	ə:80¦au:20	°:90 11:10
ProtoKaren			j	ә	0

COGID 3818 / «warm»

language	concept	pos	S1	S2	S3	S4
Kayah	warm	0	1	e	-	11
Kayan	warm	0	1	a	ŋ	33
Kayaw	warm	0	1	Э	-	33

language	concept	pos	S1	S2	S3	S4
NorthernPao			Ø	Ø	Ø	Ø
NorthernPwo	warm	0	1	ã	-	55
NorthernSgaw	warm	1	1	õ	-	33
SouthernPao	warm	0	1	a	m	53
SouthernPwo	warm	0	1	õ	ĥ	31
SouthernSgaw	warm	0	1	Э	-	33
WesternBwe	warm	0	1	3	-	33
Fuzzy			1:100	a:100	m:90¦n:10	⁵⁵ :100
ProtoKaren			1	a	m	55

COGID 3862 / «wasp»

language	concept	pos	S1	S2	S3	S4
Kayah			Ø	Ø	Ø	
Kayan			Ø	Ø	Ø	
Kayaw			Ø	Ø	Ø	
NorthernPao			Ø	Ø	Ø	
NorthernPwo			Ø	Ø	Ø	
NorthernSgaw	wasp	0	t	ə	11	
SouthernPao			Ø	Ø	Ø	
SouthernPwo	wasp	0	t^{h}	$\widetilde{\mathbf{e}}$	33	
SouthernSgaw	wasp	0	t	i	31	
WesternBwe	•		Ø	Ø	Ø	
Fuzzy			d:100	ə.ŋ:100	$^{0}:80 ^{11}:10 ^{55}:10$	
ProtoKaren			d	ə	ŋ	55

COGID 3927 / «weevil»

language	concept	pos	S1	S2	S3	S4
Kayah	weevil	0	r	Э	-	11
Kayan	weevil	0	r	əu	-	11
Kayaw	weevil	0	r	ə	-	11
NorthernPao	weevil	0	r	0	ŋ	53
NorthernPwo			Ø	Ø	Ø	Ø
NorthernSgaw			Ø	Ø	Ø	Ø
SouthernPao	weevil	0	r	0	ŋ	55
SouthernPwo			Ø	Ø	Ø	Ø
SouthernSgaw			Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4
WesternBwe			Ø	Ø	Ø	Ø
Fuzzy			r:70¦r:30	o:100	ŋ:100	¹¹ :100
ProtoKaren			r	0	ŋ	11

COGID 3951 / «white»

language	concept	pos	S1	S2	S3	S4	S5
Kayah	white	0	b	-	u	-	33
Kayan	white	0	b	-	au	-	53
Kayaw	white	0	b	-	u	-	55
NorthernPao	white	0	b	W	a	ĥ	31
NorthernPwo			Ø	Ø	Ø	Ø	Ø
NorthernSgaw	white	0	k	W	a	-	33
SouthernPao	white	0	b	w	a	ĥ	31
SouthernPwo	white	0	k	w	a	ĥ	31
SouthernSgaw	white	0	-	w	a	-	55
WesternBwe	white	0	б	-	U	-	55
Fuzzy			[?] b:100	w.w:100	a:100	-:100	⁵⁵ :100
ProtoKaren			³b	w	w	a	55

COGID 3977 / «wife»

language	concept	pos	S1	S2	S 3	S4
Kayah	wife	0	m	e	-	33
Kayan	wife	0	m	a	-	53
Kayaw	wife	0	m	a	-	55
NorthernPao	wife	0	m	a	ĥ	31
NorthernPwo	wife	0	m	a	-	35
NorthernSgaw	wife	0	m	a	-	33
SouthernPao	wife	0	m	a	ĥ	31
SouthernPwo	wife	0	m	a	-	53
SouthernSgaw	wife	0	m	a	-	55
WesternBwe	wife	0	m	3	_	55
Fuzzy			m:100	a:100	-:100	⁵⁵ :100
ProtoKaren			ŵ	a	55	

COGID 4002 / «win»

language	concept	pos	S1	S2	S3	S4
Kayah	win	0	n	i	-	11
Kayan	win	0	n	i	-	33
Kayaw			Ø	Ø	Ø	Ø
NorthernPao	win	0	n	ə	ŋ	33
NorthernPwo	win	0	n	ã	-	55
NorthernSgaw	win	0	n	ə	-	33
SouthernPao	win	0	n	ə	ŋ	53
SouthernPwo	win	0	n	ә i	ĥ	31
SouthernSgaw	win	0	n	i	-	33
WesternBwe			Ø	Ø	Ø	Ø
Fuzzy			n:70¦n:30	i:100	ŋ:100	⁵⁵ :100
ProtoKaren			n	i	ŋ	55

COGID 4025 / «wrong, mistake, error»

language	concept	pos	S1	S2	S 3
Kayah			Ø	Ø	Ø
Kayan			Ø	Ø	Ø
Kayaw	wrong, mistake, error	0	m	a	11
NorthernPao	wrong, mistake, error	0	m	a	55
NorthernPwo			Ø	Ø	Ø
NorthernSgaw	wrong, mistake, error	1	m	a	31
SouthernPao	wrong, mistake, error	0	m	a	33
SouthernPwo	wrong, mistake, error	0	m	a	55
SouthernSgaw	wrong, mistake, error	0	m	a	45
WesternBwe	wrong, mistake, error	1	m	3	33
Fuzzy	Ç.		m:60 m:40	a:100	¹¹ :100
ProtoKaren			m [°]	a	11

COGID 4039 / «yam, potato»

language	concept	pos	S1	S2	S3	S4	S5
Kayah			Ø	Ø	Ø	Ø	Ø
Kayan	yam, potato	0	n	W	3	-	11
Kayaw	yam, potato	0	n	-	ε	-	11

language	concept	pos	S1	S2	S 3	S4	S5
NorthernPao	yam, potato	0	n	w	ε	-	55
NorthernPwo	yam, potato	0	n	-	ε	-	33
NorthernSgaw	-	0	n	W	3	ĥ	11
SouthernPao	yam, potato	0	n	W	ε	-	33
SouthernPwo	yam, potato	0	n	-	ε	-	55
SouthernSgaw	-	0	n	W	ε	-	45
WesternBwe	yam, potato	0	n	W	3	-	33
Fuzzy ProtoKaren	•		n:50¦ព្:50 ព្	w:100 w	ε:100 ε	-:100 11	¹¹ :100

COGID 4051 / «year»

language	concept	pos	S1	S2	S3	S4
Kayah	year	0	n	a	-	11
Kayan	year	0	n	e	-	11
Kayaw	•		Ø	Ø	Ø	Ø
NorthernPao	year	0	n	e	ŋ	55
NorthernPwo	year	0	n	ãi	-	33
NorthernSgaw	year	0	n	ĩ	-	31
SouthernPao	year	0	n	e	ŋ	33
SouthernPwo	year	0	n	εĩ	-	55
SouthernSgaw	year	0	n	i	-	45
WesternBwe	•		Ø	Ø	Ø	Ø
Fuzzy			n:70¦n:30	e:100	ŋ:100	¹¹ :100
ProtoKaren			ņ	e	ŋ	11

COGID 4064 / «yellow»

language	concept	pos	S1	S2	S3	S4
Kayah	yellow	0	b	ε	-	33
Kayan	yellow	0	b	a	ŋ	53

language	concept	pos	S1	S2	S3	S4
Kayaw	yellow	0	b	Э	-	55
NorthernPao	•		Ø	Ø	Ø	Ø
NorthernPwo	yellow	0	Ъ	$\tilde{\epsilon}$	-	55
NorthernSgaw	yellow	0	b	õ	-	33
SouthernPao	•		Ø	Ø	Ø	Ø
SouthernPwo	yellow	0	b	õ	ĥ	31
SouthernSgaw	yellow	0	Ъ	Э	-	55
WesternBwe	•		Ø	Ø	Ø	Ø
Fuzzy			² b:100	a:100	ŋ:70¦n:30	⁵⁵ :100
ProtoKaren			²b	a	ŋ	55