

# Fuzzy Reconstructions

## Confused Sounds

sound A	sound B	occurrences	cognate sets
n	r <sup>n</sup>	24	247 445 336 87 199 437 437 251 490 229 332 265 486 430 386 515 439 493 126 431 236 115 358 484
k	-	13	331 24 207 471 223 463 76 65 376 175 221 392 92
r <sup>n</sup>	~	10	122 220 437 26 291 449 372 72 25 126
-	t <sup>r</sup>	10	331 199 207 471 11 76 175 346 287 368
n	-	9	199 158 490 376 515 236 115 368 92
r <sup>n</sup>	-	6	179 199 65 515 236 115
k	t <sup>r</sup>	6	331 207 327 471 76 175
t	t <sup>r</sup>	5	199 495 503 241 284
t	-	5	24 291 449 515 370
r <sup>n</sup>	r	5	211 486 439 115 322
?	t <sup>r</sup>	4	199 207 384 516
r <sup>n</sup>	m	4	416 480 5 488
n	k	4	140 486 376 92
-	?	4	257 199 207 2
n	t <sup>r</sup>	3	4 199 368
n	t	3	251 298 515
n	r	3	486 439 115
n	m	3	219 415 97
i	i.t <sup>r</sup>	3	4 199 200
?	o	2	384 167
?	i	2	69 266
t <sup>r</sup>	ʈ	2	175 495
t	ʈ	2	440 495
t	k	2	18 24
s	s.i	2	263 304
r <sup>n</sup>	t	2	251 515

sound A	sound B	occurrences	cognate sets
n	~	2	437 126
n	o	2	251 298
k	k.o	2	286 286
i	i	2	16 168
i	o	2	107 70
a	a.t <sup>r</sup>	2	11 384
-	o	2	251 462
-	i	2	38 70
ʔ	ʔ.o	1	361
ʃ	ʃ.i	1	107
ʂ	ʂ.a	1	449
i	ɿ	1	440
i	i.ʔ	1	156
i	k.i.r	1	161
t <sup>r</sup>	tʃ	1	304
t <sup>r</sup>	o	1	384
t	ʔ	1	167
t	i	1	440
t	w	1	18
t	t.i	1	266
t	o	1	298
t	a	1	449
s	ts	1	68
s	s.t	1	18
r <sup>n</sup>	ʔ.r <sup>n</sup>	1	487
r <sup>n</sup>	ʔ	1	199
r <sup>n</sup>	t <sup>r</sup>	1	199
r <sup>n</sup>	k	1	65
o	o.ʔ	1	515
o	o.t <sup>r</sup>	1	516
o	o.o	1	462
o	o.n	1	91
o	k.o	1	286
o	a.t <sup>r</sup>	1	384
n	ʔ	1	199
k	ʔ	1	207
k	ɿ	1	175
k	w	1	18
k	o	1	286
i	i.ʔ	1	301
i	i.ʃ	1	52

sound A	sound B	occurrences	cognate sets
i	i.n	1	92
i	i.k	1	471
a	o	1	384
a	a.ʔ	1	69
a	a.i	1	242
a	a.w	1	517
a	a.n	1	363
a	a.k	1	103
-	ɟ	1	52
-	ɽ	1	175
-	i	1	74
-	r	1	115
-	a	1	449

## Individual Alignments with Fuzzy Reconstructions

### COGID 247 / «yellow»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	yellow	0	p	a	ɟ	i	-
Chakobo	red	0	-	-	ɟ	i	n
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	yellow	0	p	a	ɟ	i	~
Kapanawa			Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari	yellow	0	-	-	ɟ	i	n
Kaxinawa	yellow	0	p	a	ɟ	i	-
Korubo	achiote	0	-	-	ɟ	i	n
Marinawa	yellow	0	p	a	ɟ	i	-
Marubo			Ø	Ø	Ø	Ø	Ø
Matis	yellow	0	-	-	ɟ	i	n
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa	yellow	0	p	a	ɟ	i	~
Shanenawa	yellow	0	p	a	ɟ	i	n
Sharanawa	yellow	0	p	a	ɟ	i	-
ShipiboKonibo	yellow	0	p	a	ɟ	i	-
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa	yellow	0	p	a	ɟ	i	n

language	concept	pos	S1	S2	S3	S4	S5
Fuzzy			p:100	a:100	ɟ:100	i:100	n:80 r <sup>n</sup> :20
ProtoPanoan			p	a	ɟ	i	n

## COGID 445 / «afternoon»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	afternoon	0	j	a	~	t	a	~
Chakobo	afternoon	0	j	a	-	t	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	afternoon	0	-	a	-	t	a	~
Kapanawa	afternoon	0	j	a	n	t	a	n
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa			Ø	Ø	Ø	Ø	Ø	Ø
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	afternoon	0	j	a	-	t	a	~
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	afternoon	0	j	a	-	t	a	n
ShipiboKonibo	afternoon	0	j	a	~	t	a	~
Yaminawa	afternoon	0	j	a	~	t	a	-
Yawanawa	afternoon	0	j	a	~	t	a	~
Fuzzy			j:100	a:100	~:100	t:100	a:100	n:50 r <sup>n</sup> :50
ProtoPanoan			j	a	~	t	a	n

## COGID 18 / «amber»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka			Ø	Ø	Ø	Ø	Ø
Chakobo	amber	0	ts	i	s	t	o
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	amber, coal	0	ts	i	s	-	o
Kapanawa			Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa			Ø	Ø	Ø	Ø	Ø
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna	amber	0	ts	i	s	-	u
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			ts:100	i:100	s:90 s.t:10	t:80 k:10 w:10o:100	
ProtoPanoan			ts	i	s	t	o

## COGID 122 / «animal horn»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	animal horn	0	m	a	-	tʃ	a	~
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	animal horn	0	m	a	n	tʃ	a	n
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa			Ø	Ø	Ø	Ø	Ø	Ø
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	animal horn	0	m	a	~	tʃ	a	~
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6
Yawanawa	animal horn	0	m	a	-	tʃ	a	n
Fuzzy			m:100	a:100	r <sup>n</sup> :90   ~:10	tʃ:100	a:100	r <sup>n</sup> :100
ProtoPanoan			m	a	~	tʃ	a	r <sup>n</sup>

## COGID 257 / «arrow»

language	concept	pos	S1	S2	S3	S4
Amawaka	arrow	0	p	i	j	a
Chakobo	arrow	0	p	i	-	a
Chaninawa	arrow	0	p	i	-	a
Kakataibo	arrow	0	p	i	-	a
Kapanawa	bow	0	p	i	ʔ	a
Katukina	arrow	0	p	i	-	a
Kaxarari	arrow	0	p	i	j	a
Kaxinawa	arrow	0	p	i	-	a
Korubo	bow	0	p	i	-	a
Marinawa	arrow	0	p	i	-	a
Marubo			Ø	Ø	Ø	Ø
Matis	bow	0	p	i	-	a
Mayoruna	arrow	0	p	i	-	a
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa	arrow	0	p	i	-	a
Sharanawa	arrow	0	p	i	-	a
ShipiboKonibo	arrow	0	p	i	-	a
Yaminawa	arrow	0	p	i	-	a
Yawanawa	arrow	0	p	i	-	a
Fuzzy			p:100	i:100	-:80   ʔ:20	a:100
ProtoPanoan			p	i	a	

## COGID 140 / «clay, dust»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	clay, dust	0	m	a	p	o	-
Chakobo	clay, dust	0	m	a	p	o	-
Chaninawa	clay, dust	0	b	a	p	o	-
Kakataibo	clay, dust	0	m	a	p	o	-
Kapanawa	clay, dust	0	m	a	p	o	-

language	concept	pos	S1	S2	S3	S4	S5
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari	ash, gray	0	m	a	p	u	ʔ
Kaxinawa	clay, dust	0	m	a	p	u	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	clay, dust	0	m	a	p	o	-
Marubo			Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna	fire powder	0	-	a	p	u	k
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	clay, dust	0	m	a	p	u	-
Sharanawa	clay, dust	0	m	a	p	o	-
ShipiboKonibo	clay, dust	0	m	a	p	o	-
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			m:100	a:100	p:100	o:100	k:90 n:10
ProtoPanoan			m	a	p	o	k

## COGID 69 / «back»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	back	0	k	a	-	t	i
Chakobo	back	0	k	a	-	t	i
Chaninawa	back	0	k	a	-	t	i
Kakataibo			Ø	Ø	Ø	Ø	Ø
Kapanawa	back	0	k	a	ʔ	t	i
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari	back	0	k	a	-	t	a
Kaxinawa	back	0	k	a	-	t	i
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	back	0	k	a	-	t	i
Marubo			Ø	Ø	Ø	Ø	Ø
Matis	back	0	k	a	-	-	-
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa	back	0	k	a	-	t	i
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	back	0	k	a	-	t	i
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø
Yaminawa	back	0	k	a	-	t	i
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			k:100	a:90 a.ʔ:10	ʔ:90 i:10	t:100	i:100

language	concept	pos	S1	S2	S3	S4	S5
ProtoPanoan			k	a	ʔ	t	i

## COGID 331 / «bark of tree, skin»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	bark of tree, skin	0	x	a	k	a	-
Chakobo	bark of tree, skin	0	ɬ	a	k	a	t
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	bark of tree, skin	0	ɬ	a	k	a	-
Kapanawa	bark of tree, skin	0	ɬ	a	k	a	-
Katukina	bark of tree, skin	0	ɬ	a	k	a	-
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	bark of tree, skin	0	ɬ	a	k	a	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	clarity	0	ɬ	a	k	a	-
Marubo	bark of tree, skin	0	ʃ	a	k	a	-
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa	bark of tree, skin	0	h	a	k	a	-
Shanenawa	bark of tree, skin	0	ɬ	a	k	a	-
Sharanawa	bark of tree, skin	0	ɬ	a	k	a	-
ShipiboKonibo	bark of tree, skin	0	ɬ	a	k	a	-
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			ɬ:100	a:100	k:100	a:100	tʳ:70 k:20 :-:10
ProtoPanoan			ɬ	a	k	a	tʳ



## COGID 107 / «bat»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	bat	0	k	o	k	o	s	
Chakobo			Ø	Ø	Ø	Ø	Ø	
Chaninawa			Ø	Ø	Ø	Ø	Ø	
Kakataibo			Ø	Ø	Ø	Ø	Ø	
Kapanawa			Ø	Ø	Ø	Ø	Ø	
Katukina			Ø	Ø	Ø	Ø	Ø	
Kaxarari			Ø	Ø	Ø	Ø	Ø	
Kaxinawa			Ø	Ø	Ø	Ø	Ø	
Korubo			Ø	Ø	Ø	Ø	Ø	
Marinawa			k	o	k	o	ʃ.i	
Marubo	bat	0	Ø	Ø	Ø	Ø	Ø	
Matis			Ø	Ø	Ø	Ø	Ø	
Mayoruna			Ø	Ø	Ø	Ø	Ø	
Poyanawa			Ø	Ø	Ø	Ø	Ø	
Shanenawa			Ø	Ø	Ø	Ø	Ø	
Sharanawa			Ø	Ø	Ø	Ø	Ø	
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø	
Yaminawa			Ø	Ø	Ø	Ø	Ø	
Yawanawa			Ø	Ø	Ø	Ø	Ø	
Fuzzy			k:100	o:100	k:100	o:100	ʃ:80 ʃ.i:20	i:80 o:20
ProtoPanoan			k	o	k	o	ʃ	i

## COGID 4 / «bee wax»

language	concept	pos	S1	S2	S3	S4
Amawaka	bee wax	0	w	o	i	-
Chakobo	bee wax	0	β	o	i	-
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo	bee wax	0	β	o	i	-
Kapanawa	bee wax	0	β	o	i	-
Katukina	bee wax	0	β	u	i	-
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	bee wax	0	b	u	i	-
Korubo			Ø	Ø	Ø	Ø
Marinawa	bee wax	0	φ	o	i	-
Marubo			Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4
Mayoruna	bee wax	0	b	u	i	d
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø
ShipiboKonibo	species of tree (Phyllanthaceae)	0	β	o	i	-
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa	bee wax	0	m	u	i	-
Fuzzy			β:100	o:100	i:90 i.t <sup>r</sup> :10	t <sup>r</sup> :90 n:10
ProtoPanoan			β	o	i	t <sup>r</sup>

## COGID 179 / «below, under»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	below, under	0	n	a	m	a	~
Chakobo	below, under	0	n	a	m	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	below, under	0	n	a	m	a	~
Kapanawa	below, under	0	n	a	m	a	n
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	below, under	0	n	a	m	a	~
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	below, under	0	n	a	m	a	~
Marubo	below, under	0	n	a	m	a	~
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	below, under	0	n	a	m	a	n
Sharanawa	below, under	0	n	a	m	a	n

language	concept	pos	S1	S2	S3	S4	S5
ShipiboKonibo	below, under	0	n	a	m	a	~
Yaminawa	below, under	0	n	a	m	a	~
Yawanawa	below, under	0	n	i	m	i	-
Fuzzy ProtoPanoan			r <sup>n</sup> :100 n	a:100 a	m:100 m	a:100 a	~:60 r <sup>n</sup> :40

### COGID 336 / «big»

language	concept	pos	S1	S2	S3	S4
Amawaka			Ø	Ø	Ø	Ø
Chakobo	big	0	?	a	n	i
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo	cabybara	0	?	a	n	i
Kapanawa	big	0	?	a	n	i
Katukina	big	0	-	a	n	i
Kaxarari	big	0	fi	a	-	i
Kaxinawa	big	0	-	a	n	i
Korubo	small	0	-	a	n	i
Marinawa			Ø	Ø	Ø	Ø
Marubo	big	0	-	a	n	i
Matis			Ø	Ø	Ø	Ø
Mayoruna	big	0	-	a	n	i
Poyanawa	big	0	-	a	d	i
Shanenawa	big	0	-	a	n	i
Sharanawa	big	0	-	a	n	i
ShipiboKonibo	big	0	?	a	n	i
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa	old	0	-	a	n	i
Fuzzy			? :100	a:100	n:90 r <sup>n</sup> :10	i:100
ProtoPanoan			?	a	n	i

### COGID 24 / «big»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	big	0	ʔ	-	-	a	-
Chakobo	big	0	ʔ	i	w	a	-
Chaninawa	big	0	-	i	w	a	-
Kakataibo	big	0	ʔ	-	-	i	ɔ
Kapanawa	big	0	ʔ	-	w	a	-
Katukina			∅	∅	∅	∅	∅
Kaxarari			∅	∅	∅	∅	∅
Kaxinawa	big	0	-	i	w	a	-
Korubo	many	0	-	i	w	a	-
Marinawa	big	0	-	i	w	a	-
Marubo	big	0	-	i	w	a	-
Matis			∅	∅	∅	∅	∅
Mayoruna			∅	∅	∅	∅	∅
Poyanawa	old	0	-	i	w	a	-
Shanenawa	big	0	-	i	w	a	-
Sharanawa	big	0	-	i	w	a	-
ShipiboKonibo	big	0	ʔ	i	w	a	-
Yaminawa	big	0	-	i	ɸ	a	-
Yawanawa	big	0	-	i	w	a	-
Fuzzy			ʔ:100	i:100	w:100	a:100	:-50 t:40 k:10
ProtoPanoan			ʔ	i	w	a	

## COGID 87 / «bowl, plate»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	bowl, plate	0	k	i	~	tʃ	a	-
Chakobo			∅	∅	∅	∅	∅	∅
Chaninawa			∅	∅	∅	∅	∅	∅
Kakataibo	bowl, plate	0	k	i	~	tʃ	a	-
Kapanawa	bowl, plate	0	k	i	n	tʃ	a	-
Katukina			∅	∅	∅	∅	∅	∅
Kaxarari			∅	∅	∅	∅	∅	∅
Kaxinawa	bowl, plate	0	k	i	~	tʃ	a	-
Korubo			∅	∅	∅	∅	∅	∅
Marinawa	bowl, plate	0	k	i	-	tʃ	a	~

language	concept	pos	S1	S2	S3	S4	S5	S6
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	bowl, plate	0	k	i	-	tʃ	a	n
ShipiboKonibo	bowl, plate	0	k	i	~	tʃ	a	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			k:100	i:100	r <sup>n</sup> :100	tʃ:100	a:100	n:90 r <sup>n</sup> :10
ProtoPanoan			k	i	~	tʃ	a	n

### COGID 103 / «breeding, domestic animal»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	breeding, domestic animal	0	?	i	n	a	
Chakobo	breeding, domestic animal	0	?	i	n	a	
Chaninawa			Ø	Ø	Ø	Ø	
Kakataibo			Ø	Ø	Ø	Ø	
Kapanawa	breeding, domestic animal	0	?	i	n	a	
Katukina			Ø	Ø	Ø	Ø	
Kaxarari	breeding, domestic animal	0	-	i	n	a	
Kaxinawa	breeding, domestic animal	0	-	i	n	a	
Korubo			Ø	Ø	Ø	Ø	
Marinawa			Ø	Ø	Ø	Ø	
Marubo			Ø	Ø	Ø	Ø	
Matis			Ø	Ø	Ø	Ø	
Mayoruna			Ø	Ø	Ø	Ø	
Poyanawa			Ø	Ø	Ø	Ø	
Shanenawa			Ø	Ø	Ø	Ø	
Sharanawa	breeding, domestic animal	0	-	i	n	a	

language	concept	pos	S1	S2	S3	S4	S5
ShipiboKonibo	breeding, domestic animal	0	ʔ	i	n	a	
Yaminawa			∅	∅	∅	∅	
Yawanawa			∅	∅	∅	∅	
Fuzzy			ʔ:100	i:100	n:100	a.k:50 a:50	
ProtoPanoan			ʔ	i	n	a	k

## COGID 199 / «breeze»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	breeze	0	n	i	w	i	-	
Chakobo	breeze	0	n	i	b	i	-	
Chaninawa			∅	∅	∅	∅	∅	
Kakataibo	breeze	0	n	i	β	i	-	
Kapanawa			∅	∅	∅	∅	∅	
Katukina	wind	0	n	i	w	i	-	
Kaxarari			∅	∅	∅	∅	∅	
Kaxinawa	breeze	0	n	i	b	i	-	
Korubo			∅	∅	∅	∅	∅	
Marinawa	breeze	0	n	i	ϕ	i	-	
Marubo			∅	∅	∅	∅	∅	
Matis			∅	∅	∅	∅	∅	
Mayoruna	breeze	0	n	i	b	e	d	
Poyanawa			∅	∅	∅	∅	∅	
Shanenawawind		0	n	i	f	u	-	
Sharanawa	breeze	0	n	i	w	i	-	
ShipiboKonibo	breeze	0	n	i	β	i	-	
Yaminawa			∅	∅	∅	∅	∅	
Yawanawa	wind	0	n	i	-	u	-i	
Fuzzy			r <sup>n</sup> :100	i:100	β:100	i:90 i.t <sup>r</sup> :10	t <sup>r</sup> :90 t:10-	
ProtoPanoan			r <sup>n</sup>	i	β	i	t <sup>r</sup>	:30 t <sup>r</sup> :30 ʔ:20 n:10 r <sup>n</sup> :10

## COGID 207 / «breeze»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	breeze	0	n	i	w	i	
Chakobo			∅	∅	∅	∅	

language	concept	pos	S1	S2	S3	S4	S5
Chaninawa			Ø	Ø	Ø	Ø	
Kakataibo	wind	0	n	i	-	i	
Kapanawa	breeze	0	n	i	w	i	
Katukina	wind	0	n	i	w	i	
Kaxarari			Ø	Ø	Ø	Ø	
Kaxinawa	breeze	0	n	i	w	i	
Korubo			Ø	Ø	Ø	Ø	
Marinawa	wind	0	n	i	w	i	
Marubo			Ø	Ø	Ø	Ø	
Matis			Ø	Ø	Ø	Ø	
Mayoruna			Ø	Ø	Ø	Ø	
Poyanawa			Ø	Ø	Ø	Ø	
Shanenawa	wind	0	n	i	f	u	
Sharanawa	wind	0	n	i	w	i	
ShipiboKonibowind		0	n	i	w	i	
Yaminawa			Ø	Ø	Ø	Ø	
Yawanawa	wind	0	n	i	-.u	i	
Fuzzy			r <sup>n</sup> :100	i:100	w:100	k:40 ʔ:30 tʰ:20 - :10	i:100
ProtoPanoan			r <sup>n</sup>	i	w	i	

## COGID 217 / «canoe»

language	concept	pos	S1	S2	S3	S4
Amawaka	canoe	0	n	o	n	-
Chakobo	to swim	0	n	o	n	o
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo	canoe	0	n	u	n	-
Kapanawa	to swim	0	n	o	n	a
Katukina	to swim	0	n	u	n	a
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	to swim	0	n	u	n	a
Korubo	to swim	0	n	u	n	-
Marinawa			Ø	Ø	Ø	Ø
Marubo	to swim	0	n	u	n	a
Matis	to swim	0	n	u	n	-
Mayoruna			Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa	to swim	0	n	u	n	u
Sharanawa	to swim	0	n	o	n	o

language	concept	pos	S1	S2	S3	S4
ShipiboKonibo	to swim	0	n	o	n	o
Yaminawa	to swim	0	n	o	n	o
Yawanawa	to swim	0	n	u	n	u
Fuzzy			r <sup>n</sup> :100	o:100	r <sup>n</sup> :100	a:100
ProtoPanoan			r <sup>n</sup>	o	n	a

## COGID 220 / «canoe»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	canoe	0	n	o	~	t	i
Chakobo	canoe	0	n	o	-	t	i
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	canoe	0	n	o	~	t	i
Kapanawa	canoe	0	n	o	n	t	i
Katukina	canoe	0	n	u	n	t	i
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa			Ø	Ø	Ø	Ø	Ø
Korubo	canoe	0	n	u	n	t	e
Marinawa	canoe	0	n	o	-	t	i
Marubo			Ø	Ø	Ø	Ø	Ø
Matis	canoe	0	n	u	n	t	e
Mayoruna	canoe	0	n	u	n	t	e
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	canoe	0	n	o	~	t	i
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			r <sup>n</sup> :100	o:100	~:50 r <sup>n</sup> :50	t:100	i:100
ProtoPanoan			r <sup>n</sup>	o	~	t	i

## COGID 200 / «centipede, scorpion»

language	concept	pos	S1	S2	S3	S4
Amawaka	centipede, scorpion	0	n	i	w	o
Chakobo	centipede, scorpion	0	n	i	β	o



language	concept	pos	S1	S2	S3	S4
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø
Kapanawa	centipede, scorpion	0	n	i	β	o
Katukina	centipede, scorpion	0	n	i	β	u
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	centipede, scorpion	0	n	i	b	u
Korubo			Ø	Ø	Ø	Ø
Marinawa	centipede, scorpion	0	n	i	ϕ	o
Marubo			Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø
ShipiboKonibo	centipede, scorpion	0	n	i	β	o
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa	centipede, scorpion	0	n	i	h	u
Fuzzy			r <sup>n</sup> :100	i:90 i.t <sup>r</sup> :10	β:100	o:100
ProtoPanoan			r <sup>n</sup>	i	β	o

## COGID 16 / «cicada»

language	concept	pos	S1	S2	S3	S4
Amawaka	cicada	0	ts	i	?	o
Chakobo	cicada	0	ts	i	?	o
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo	cicada	0	tʃ	i	-	o
Kapanawa	cicada	0	ts	i	?	o
Katukina			Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	cicada	0	tʃ	i	-	-
Korubo			Ø	Ø	Ø	Ø
Marinawa	cicada	0	ts	i	-	o
Marubo			Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4
Matis			Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø
Sharanawa	cicada	0	ts	i	-	o
ShipiboKonibo	cicada	0	ts	i	-	o
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø
Fuzzy			ts:100	i:90 i:10	?:100	o:100
ProtoPanoan			ts	i	?	o

## COGID 440 / «city, settlement»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka			Ø	Ø	Ø	Ø	Ø
Chakobo	city, settlement	0	j	a	k	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	city, settlement	0	-	a	k	a	ts
Kapanawa			Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa			Ø	Ø	Ø	Ø	Ø
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø
ShipiboKonibocity, settlement		0	j	a	k	a	-
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			j:100	a:100	k:100	a:100	t:80 i:10 ɾ:10
ProtoPanoan			j	a	k	a	t

## COGID 327 / «clarity»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	clarity	0	x	a	-	w	a	-
Chakobo	clarity	0	ɬ	a	-	β	a	k
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	clarity	0	ɬ	a	-	β	a	-
Kapanawa	clarity	0	ɬ	a	?	β	a	-
Katukina	clarity	0	ɬ	a	-	β	a	-
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	clarity	0	ɬ	a	-	β	a	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	day	0	ɬ	a	-	ϕ	a	-
Marubo	clarity	0	ʃ	a	-	v	a	-
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	day	0	ɬ	a	-	w	a	-
Sharanawa	clarity	0	ɬ	a	-	ϕ	a	-
ShipiboKoniboc	clarity	0	ʃ	a	-	β	a	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	day	0	ʃ	a	-	β	a	-
Fuzzy			ɬ:100	a:100	?:100	β:100	a:100	k:80 tʰ:20
ProtoPanoan			ɬ	a	?	β	a	k

## COGID 437 / «curassow»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	curassow	0	h	a	~	s	i	~
Chakobo	curassow	0	h	a	-	s	i	n
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	curassow	0	-	a	-	s	i	~
Kapanawa	curassow	0	h	a	-	s	i	n
Katukina	curassow	0	-	a	n	s	i	n
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	curassow	0	h	a	-	s	i	~
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	curassow	0	-	a	-	s	i	~
Marubo	curassow	0	-	a	~	s	i	~
Matis			Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa	curassow	0	-	a	~	s	i	~
Shanenawa	curassow	0	-	a	-	ʂ	i	n
Sharanawa	curassow	0	-	a	-	s	i	n
ShipiboKonibo	curassow	0	h	a	-	s	i	~
Yaminawa	curassow	0	-	a	~	s	i	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			h:100	a:100	~:80 n:10 r <sup>n</sup> :10	s:100	i:100	r <sup>n</sup> :90 n:10
ProtoPanoan			h	a	~	s	i	r <sup>n</sup>

## COGID 251 / «deaf»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	deaf	0	p	a	-	-	t	o
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	deaf	0	p	a	-	-	t	o
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	deaf	0	p	a	-	-	t	u
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	deaf	0	p	a	-	-	t	o
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	deaf	0	p	a	n.d	u	d	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	deaf	0	p	a	-	-	t	o
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			p:100	a:100	t:60 n:20 r <sup>n</sup> :20	o:80 n:20	t:100	o:70 n:30
ProtoPanoan			p	a	t	o	t	

## COGID 219 / «duck»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	duck	0	n	o	n	o	~
Chakobo	duck	0	n	o	n	o	m
Chaninawa	duck	0	n	o	n	o	-
Kakataibo	duck	0	n	o	n	o	~
Kapanawa	duck	0	n	o	n	o	n
Katukina	duck	0	n	u	n	u	n
Kaxarari	duck	0	l	u	l	u	m
Kaxinawa	duck	0	n	u	n	u	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	duck	0	n	o	n	o	~
Marubo			Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa	duck	0	n	u	n	u	~
Shanenawa	duck	0	n	u	n	u	n
Sharanawa	duck	0	n	o	n	o	n
ShipiboKonibo	duck	0	n	o	n	o	~
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa	duck	0	n	u	n	u	n
Fuzzy			r:100	o:100	r:100	o:100	m:90 n:10
ProtoPanoan			r	o	r	o	m

## COGID 211 / «earthworm»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	earthworm	0	n	o	?	i	-
Chakobo	earthworm	0	n	o	?	i	n
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	earthworm	0	n	o	-	i	-
Kapanawa	earthworm	0	n	o	?	i	n
Katukina	earthworm	0	n	o	-	i	n
Kaxarari	earthworm	0	n.j	u	-	i	-
Kaxinawa	earthworm	0	n	u	-	i	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	earthworm	0	n	o	-	i	-
Marubo	earthworm	0	n	u	-	i	~
Matis	earthworm	0	n	o	w	e	n
Mayoruna	earthworm	0	n	u	-	e	n
Poyanawa	earthworm	0	n	u	-	i	-
Shanenawa	earthworm	0	n	u	-	i	-

language	concept	pos	S1	S2	S3	S4	S5
Sharanawa	earthworm	0	n	o	-	i	n
ShipiboKonibo	earthworm	0	n	o	-	i	n
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			n:100	o:100	? :100	i:100	r:90 r <sup>n</sup> :10
ProtoPanoan			n	o	?	i	r

## COGID 363 / «fat»

language	concept	pos	S1	S2	S3	S4
Amawaka	fat	0	x	o	a	
Chakobo	fat	0	ʂ	o	a	
Chaninawa			Ø	Ø	Ø	
Kakataibo			Ø	Ø	Ø	
Kapanawa	fat	0	ʂ	o	a	
Katukina			Ø	Ø	Ø	
Kaxarari			Ø	Ø	Ø	
Kaxinawa	fat	0	ʂ	u	a	
Korubo			Ø	Ø	Ø	
Marinawa	fat	0	ʂ	o	a	
Marubo			Ø	Ø	Ø	
Matis			Ø	Ø	Ø	
Mayoruna			Ø	Ø	Ø	
Poyanawa			Ø	Ø	Ø	
Shanenawa	fat	0	ʂ	u	a	
Sharanawa	fat	0	ʂ	o	a	
ShipiboKonibo	fat	0	ʂ	o	a	
Yaminawa	fat	0	ʂ	o	a	
Yawanawa	fat	0	ʂ	u	a	
Fuzzy			ʂ:100	o:100	a:90 a.n:10	
ProtoPanoan			ʂ	o	a	n

## COGID 471 / «field»

language	concept	pos	S1	S2	S3	S4
Amawaka	field	0	β	a	i	-
Chakobo	field	0	w	a	i	-
Chaninawa			Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4
Kakataibo	swidden field for agriculture	0	β	a	i	-
Kapanawa	field	0	w	a	i	-
Katukina	field	0	w	a	i	-
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	field	0	b	a	i	-
Korubo	swidden field for agriculture	0	β	a	i	n
Marinawa	swidden field for agriculture	0	Φ	a	i	-
Marubo	swidden field for agriculture	0	w	a	i	-
Matis			Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø
Poyanawa	swidden field for agriculture	0	w	a	i	-
Shanenawa	field	0	f	a	i	-
Sharanawa			Ø	Ø	Ø	Ø
ShipiboKonibo	swidden field for agriculture	0	β	a	i	-
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa	swidden field for agriculture	0	w	a	i	-
Fuzzy			β:100	a:100	i:90 i.k:10	k:80 t':10 -:10
ProtoPanoan			β	a	i	k

## COGID 158 / «fingernail»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	fingernail	0	m	i	n	ts	i	s
Chakobo	fingernail	0	m	i	-	ts	i	s
Chaninawa	fingernail	0	b	i	-	ts	i	s
Kakataibo	fingernail	0	-	u	n	ts	i	s
Kapanawa	fingernail	0	m	i	n	ts	i	s
Katukina	fingernail	0	m	ə	~	tʃ	i	ʃ
Kaxarari	fingernail	0	m	i	-	tʃ	i	s
Kaxinawa	fingernail	0	m	i	-	ts	i	s
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	fingernail	0	m	i	-	ts	i	s

language	concept	pos	S1	S2	S3	S4	S5	S6
Marubo	fingernail	0	m	i	~	ts	i	s
Matis	fingernail	0	m	i	n	t	i	s
Mayoruna	fingernail	0	m	i	n	ts	i	s
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	fingernail	0	m	i	-	tʃ	i	ʃ
Sharanawa	fingernail	0	m	i	-	ts	i	s
ShipiboKonibo	fingernail	0	m	i	n	ts	i	s
Yaminawa	fingernail	0	m	i	-	ts	i	s
Yawanawa	fingernail	0	m	i	-	ts	i	s
Fuzzy			m:100	i:100	-	ts:100	i:100	s:100
					:90 n:10			
ProtoPanoan			m	i	ts	i	s	

## COGID 223 / «flower»

language	concept	pos	S1	S2	S3	S4
Amawaka	flower	0	h	o	w	a
Chakobo	flower	0	h	o	-	a
Chaninawa	flower	0	-	o	-	a
Kakataibo	flower	0	-	o	-	a
Kapanawa	flower	0	h	o	-	a
Katukina	flower	0	h	u	-	a
Kaxarari	flower	0	fi	u	w	a
Kaxinawa	flower	0	h	u	-	a
Korubo			Ø	Ø	Ø	Ø
Marinawa	flower	0	-	o	-	a
Marubo	flower	0	-	u	-	a
Matis			Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø
Sharanawa	flower	0	-	o	-	a
ShipiboKonibo	flower	0	h	o	-	a
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa	flower	0	-	u	-	a
Fuzzy			h:100	o:100	:-90 k:10	a:100
ProtoPanoan			h	o	a	



# COGID 490 / «yam»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	yam	0	w	i	m	a	n	a	~
Chakobo	forehead, face	0	β	i	m	a	n	a	-
Chaninawa	forehead, face	0	ϕ	i	m	a	n	a	-
Kakataibo	forehead, face	0	β	i	m	a	n	a	-
Kapanawa	forehead, face	0	β	i	m	a	n	a	-
Katukina	forehead, face	0	β	i	m	e	n	a	-
Kaxarari			∅	∅	∅	∅	∅	∅	∅
Kaxinawa	forehead, face	0	b	i	m	a	n	a	~
Korubo	forehead, face	0	β	i	m	a	n	a	n
Marinawa	forehead, face	0	ϕ	i	m	a	n	a	~
Marubo	forehead, face	0	β	i	m	a	n	i	-
Matis	forehead, face	0	b	i	m	a	n	a	n
Mayoruna			∅	∅	∅	∅	∅	∅	∅
Poyanawa			∅	∅	∅	∅	∅	∅	∅
Shanenawa	forehead, face	0	f	u	m	a	n	a	-
Sharanawa	forehead, face	0	ϕ	i	m	a	n	a	n
ShipiboKonibo	forehead, face	0	β	i	m	a	n	a	n
Yaminawa	forehead, face	0	ϕ	i	m	a	n	a	~
Yawanawa	forehead, face	0	β	i	m	a	n	e	~
Fuzzy			β:100	i:100	m:100	a:100	r <sup>n</sup> :90 n:10	a:100	n:80  :20
ProtoPanoan			β	i	m	a	n	a	n

## COGID 373 / «fur»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	fur	0	x	o	p	o	
Chakobo	fur	0	ɬ	o	p	o	
Chaninawa			Ø	Ø	Ø	Ø	
Kakataibo	fur	0	ɬ	o	p	o	
Kapanawa	fur	0	ɬ	o	p	o	
Katukina			Ø	Ø	Ø	Ø	
Kaxarari			Ø	Ø	Ø	Ø	
Kaxinawa	fur	0	ɬ	u	p	u	
Korubo			Ø	Ø	Ø	Ø	
Marinawa	fur	0	ɬ	o	p	o	
Marubo			Ø	Ø	Ø	Ø	
Matis			Ø	Ø	Ø	Ø	
Mayoruna			Ø	Ø	Ø	Ø	
Poyanawa			Ø	Ø	Ø	Ø	
Shanenawa			Ø	Ø	Ø	Ø	
Sharanawa	fur	0	ɬ	o	p	o	
ShipiboKonibo	fur	0	ɬ	o	p	o	
Yaminawa			Ø	Ø	Ø	Ø	
Yawanawa			Ø	Ø	Ø	Ø	
Fuzzy			ɬ:100	o:100	p:100	o:100	
ProtoPanoan			ɬ	o	p	o	tʰ

## COGID 454 / «sorcerer»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	sorcerer	0	j	o	w	i		
Chakobo	sorcerer	0	j	o	β	i		
Chaninawa			Ø	Ø	Ø	Ø		
Kakataibo			Ø	Ø	Ø	Ø		
Kapanawa	sorcerer	0	j	o	β	i		
Katukina			Ø	Ø	Ø	Ø		
Kaxarari			Ø	Ø	Ø	Ø		
Kaxinawa			Ø	Ø	Ø	Ø		
Korubo			Ø	Ø	Ø	Ø		
Marinawa	sorcerer	0	j	o	ϕ	i		
Marubo	ghost	0	j	o	v	i		
Matis			Ø	Ø	Ø	Ø		

language	concept	pos	S1	S2	S3	S4	S5	S6
Mayoruna			Ø	Ø	Ø	Ø		
Poyanawa			Ø	Ø	Ø	Ø		
Shanenawa			Ø	Ø	Ø	Ø		
Sharanawa			Ø	Ø	Ø	Ø		
ShipiboKonibo sorcerer		0	j	o	β	i		
Yaminawa			Ø	Ø	Ø	Ø		
Yawanawa			Ø	Ø	Ø	Ø		
Fuzzy			j:100	o:100	β.i.k:100	i:100		
ProtoPanoan			j	o	β	i	k	a

## COGID 463 / «ghost»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	ghost	0	j	-	o	ʃ	i	-
Chakobo	ghost	0	j	-	o	ʃ	i	n
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	ghost	0	-	-	u	ʃ	i	~
Kapanawa	ghost	0	j	-	o	ʃ	i	n
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	ghost	0	j	-	u	ʃ	i	-
Korubo	ghost	0	ts	-	u	s	i	n
Marinawa	ghost	0	j	-	o	ʃ	i	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis	ghost	0	ts	-	u	s	i	n
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa	ghost	0	-	i	u	ʃ	i	~
Shanenawa	ghost	0	j	-	u	ʃ	i	n
Sharanawa	ghost	0	j	-	o	ʃ	i	-
ShipiboKoniboghost		0	j	-	o	ʃ	i	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	ghost	0	j	-	u	ʃ	i	n
Fuzzy			j:100	:-90 k:10	o:100	s:100	i:100	r <sup>n</sup> :100
ProtoPanoan			j	o	s	i	r <sup>n</sup>	

## COGID 26 / «grasshopper»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	grasshopper	0	tʃ	a	~	p	o
Chakobo	grasshopper	0	tʃ	a	-	p	o
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	grasshopper	0	tʃ	a	~	p	o
Kapanawa	grasshopper	0	tʃ	a	m	p	o
Katukina	grasshopper	0	tʃ	a	n	p	u
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	grasshopper	0	tʃ	a	~	p	u
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø
Matis	grasshopper	0	tʃ	a	n	p	i
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	grasshopper	0	tʃ	a	-	p	u
Sharanawa	grasshopper	0	tʃ	a	-	p	o
ShipiboKonibo	grasshopper	0	tʃ	a	~	p	o
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			tʃ:100	a:100	~:90 r <sup>n</sup> :10	p:100	o:100
ProtoPanoan			tʃ	a	~	p	o

## COGID 11 / «head»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	head	0	w	o	x	k	a	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	head	0	b	o	ʃ	-	-	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	head	0	b	u	ʃ	k	a	t
Kaxinawa	head	0	b	u	ʃ	k	a	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	head	0	ɸ	o	ʃ	k	a	-
Marubo	head	0	v	o	ʃ	k	a	-
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6
Sharanawa	head	0	ϕ	o	ʂ	k	a	-
ShipiboKonibo	head	0	β	o	ʂ	k	a	-
Yaminawa			∅	∅	∅	∅	∅	∅
Yawanawa	head	0	h	u	ʂ	k	a	-
Fuzzy			β:100	o:100	ʂ:100	k:100	a:80 a.tʰ:20	tʰ:80 :-:20
ProtoPanoan			β	o	ʂ	k	a	tʰ

## COGID 229 / «heart»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	heart	0	h	o	i	-	t	i
Chakobo	heart	0	h	o	i	-	t	i
Chaninawa	heart	0	-	o	i	n	t	i
Kakataibo			∅	∅	∅	∅	∅	∅
Kapanawa	heart	0	h	o	i	n	t	i
Katukina	heart	0	-	-	i	n	t	i
Kaxarari			∅	∅	∅	∅	∅	∅
Kaxinawa	heart	0	h	u	i	-	t	i
Korubo	heart	0	-	-	i	n	t	e
Marinawa	heart	0	-	o	i	-	t	i
Marubo	heart	0	-	-	i	n	t	i
Matis	heart	0	-	-	i	n	t	e
Mayoruna	heart	0	-	-	i	n	t	e
Poyanawa			∅	∅	∅	∅	∅	∅
Shanenawa	heart	0	-	u	i	n	t	i
Sharanawa	heart	0	-	o	i	n	t	i
ShipiboKonibo	heart	0	h	o	i	-	t	i
Yaminawa	heart	0	-	o	i	~	t	i
Yawanawa	heart	0	-	u	i	~	t	i
Fuzzy			h:100	o:100	i:100	n:60 rⁿ:40	t:100	i:100
ProtoPanoan			h	o	i	rⁿ	t	i

## COGID 332 / «hot»

language	concept	pos	S1	S2	S3	S4
Amawaka	hot	0	x	a	n	a
Chakobo			∅	∅	∅	∅

language	concept	pos	S1	S2	S3	S4
Chaninawa	hot, heat	0	ɲ	a	-	-
Kakataibo	hot	0	ɣ	a	n	a
Kapanawa	hot	0	ɣ	a	n	a
Katukina	hot	0	ɣ	a	n	a
Kaxarari			∅	∅	∅	∅
Kaxinawa	hot	0	ɲ	a	n	a
Korubo			∅	∅	∅	∅
Marinawa	hot, heat	0	ɣ	a	n	a
Marubo	hot	0	ɲ	a	n	a
Matis	hot	0	ɣ	a	n	a
Mayoruna			∅	∅	∅	∅
Poyanawa			∅	∅	∅	∅
Shanenawa	hot	0	ɣ	a	n	a
Sharanawa	hot, heat	0	ɣ	a	n	a
ShipiboKonibo	hot	0	ɣ	a	n	a
Yaminawa	hot, heat	0	ɣ	a	n	a
Yawanawa	hot	0	ɣ	a	n	a
Fuzzy			ɣ:100	a:100	r <sup>n</sup> :90 n:10	a:100
ProtoPanoan			ɣ	a	r <sup>n</sup>	a

## COGID 291 / «knee»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	knee	0	r	a	~	t	o	k	o
Chakobo			∅	∅	∅	∅	∅	∅	∅
Chaninawa	knee	0	r	a	-	t	o	k	o
Kakataibo	knee	0	r	a	~	-	-	t	u
Kapanawa	knee	0	r	a	n	-	-	t	o
Katukina			∅	∅	∅	∅	∅	∅	∅
Kaxarari	knee	0	tʃ	e	~	b	u	r	u
Kaxinawa	knee	0	d	a	~	t	u	k	u
Korubo	knee	0	ɬ	a	-	-	-	-	-
Marinawa	knee	0	r	a	-	t	o	k	o
Marubo			∅	∅	∅	∅	∅	∅	∅
Matis	knee	0	d	a	n	b	i	d	u
Mayoruna	knee	0	d	a	n	-	-	-	-
Poyanawa	knee	0	r	a	~	t	u	k	u
Shanenawa	knee	0	r	a	-	t	u	k	u
Sharanawa	knee	0	r	a	-	t	o	k	o
ShipiboKonibo	knee	0	r	a	~	t	o	k	o

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Yaminawa			∅	∅	∅	∅	∅	∅	∅
Yawanawa	knee	0	r	a	-	t	u	k	u
Fuzzy			ɾ:100	a:100	r <sup>n</sup> :90 ~:10	ɾ:90 ~:10	o:100	k:100	o:100
ProtoPanoan			ɾ	a	r <sup>n</sup>	t	o	k	o

## COGID 286 / «kneecap, knee»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	kneecap, knee	0	r	a	w	o	x	k	o	-
Chakobo			∅	∅	∅	∅	∅	∅	∅	∅
Chaninawa			∅	∅	∅	∅	∅	∅	∅	∅
Kakataibo	kneecap, knee	0	r	a	β	o	ɬ	-	o	-
Kapanawa	kneecap, knee	0	r	a	β	o	ɬ	-	o	-
Katukina	kneecap, knee	0	r	a	β	i	ɬ	-	o	?
Kaxarari	kneecap, knee	0	tʃ	e	b	u	-	r	u	-
Kaxinawa			∅	∅	∅	∅	∅	∅	∅	∅
Korubo			∅	∅	∅	∅	∅	∅	∅	∅
Marinawa			∅	∅	∅	∅	∅	∅	∅	∅
Marubo	kneecap, knee	0	r	a	v	u	ʃ	-	i	-
Matis			∅	∅	∅	∅	∅	∅	∅	∅
Mayoruna			∅	∅	∅	∅	∅	∅	∅	∅
Poyanawa			∅	∅	∅	∅	∅	∅	∅	∅
Shanenawa			∅	∅	∅	∅	∅	∅	∅	∅
Sharanawa			∅	∅	∅	∅	∅	∅	∅	∅
ShipiboKorubo	kneecap, knee	0	r	a	β	o	ɬ	-	o	-
Yaminawa			∅	∅	∅	∅	∅	∅	∅	∅
Yawanawa			∅	∅	∅	∅	∅	∅	∅	∅
Fuzzy			ɾ:100	a:100	β:100	o:100	ɬ:100	k:90 k.o:10	o:100	o:50 k:40 k.o:10
ProtoPanoan			ɾ	a	β	o	ɬ	o	k	o

## COGID 76 / «lightning»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	lightning	0	k	a	n	a	-
Chakobo	lightning	0	k	a	n	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	lightning	0	k	a	n	a	-
Kapanawa	lightning	0	k	a	n	a	-
Katukina	lightning	0	k	a	n	a	-
Kaxarari	lightning	0	k	a	l	a	k
Kaxinawa	lightning	0	k	a	n	a	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	lightning	0	k	a	n	a	-
Marubo	lightning	0	k	a	n	a	-
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	lightning	0	k	a	n	a	-
ShipiboKonibo	lightning	0	k	a	n	a	-
Yaminawa	lightning	0	k	a	n	a	-
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			k:100	a:100	r:100	a:100	k:70 t <sup>r</sup> :20 :-:10
ProtoPanoan			k	a	r	a	k

## COGID 65 / «tongue»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	tongue	0	k	i	x	a	-
Chakobo			Ø	Ø	Ø	Ø	Ø
Chaninawa	lips	0	k	i	ɟ	a	-
Kakataibo	lips	0	k <sup>w</sup>	i	ɬ	a	-
Kapanawa	lips	0	k	i	ɬ	a	-
Katukina	lips	0	k	i	ɬ	a	-
Kaxarari	lips	0	k	i	ɬ	a	-
Kaxinawa	lips	0	k	i	ɬ	a	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	lips	0	k	i	ɬ	a	~
Marubo	lips	0	k	i	ɟ	a	-
Matis			Ø	Ø	Ø	Ø	Ø



language	concept	pos	S1	S2	S3	S4	S5
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa	tongue	0	k	i	h	a	-
Shanenawa	lips	0	k	i	ɬ	a	-
Sharanawa	lips	0	k	i	ɬ	a	-
ShipiboKonibo	lips	0	k	i	ɬ	a	-
Yaminawa	lips	0	k	i	ɬ	a	~
Yawanawa	lips	0	k	i	ɰ	a	-
Fuzzy			k <sup>w</sup> :100	i:100	ɬ:100	a:100	r <sup>n</sup> :50 k:40 :-:10
ProtoPanoan			k <sup>w</sup>	i	ɬ	a	r <sup>n</sup>

## COGID 266 / «small»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	small	0	p	i	ɰ	t	-	a
Chakobo	small	0	p	i	s	t	i	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø
Katukina	small	0	p	i	ɰ	tʃ	-	a
Kaxarari	small	0	p	i	s	t	-	ɛ
Kaxinawa	small	0	p	i	ɰ	t	-	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	small	0	-	-	ɰ	t	-	a
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	small	0	p	i	s	ts	-	i
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	small	0	-	-	ɬ	t	-	a
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø	Ø
Yaminawa	many	0	p	i	ɰ	t	-	a
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			p:100	i:100	s:100	t:90 t.i:10	i:90 ʔ:10	a:100
ProtoPanoan			p	i	s	t	i	a

## COGID 265 / «mat»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	mat	0	p	i	ɟ	i	-
Chakobo			Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	mat	0	p	i	ɟ	i	-
Kapanawa	mat	0	p	i	ɟ	i	n
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	mat	0	p	i	ɟ	i	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	mat	0	p	i	ɟ	i	-
Marubo			Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	mat	0	p	i	ɟ	i	n
ShipiboKonibo	mat	0	p	i	ɟ	i	-
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa	mat	0	p	i	ɟ	i	n
Fuzzy			p:100	i:100	ɟ:100	i:100	r <sup>n</sup> :90 n:10
ProtoPanoan			p	i	ɟ	i	r <sup>n</sup>

## COGID 298 / «nasal septum»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	nasal septum	0	r	i	p	a	-
Chakobo	nasal septum	0	r	i	p	a	r
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	nasal septum	0	r	i	p	a	-
Kapanawa			Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	nasal septum	0	d	i	p	a	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	nasal septum	0	r	i	p	a	-

language	concept	pos	S1	S2	S3	S4	S5
Marubo	nasal septum	0	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna			d	i	p	u	n
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			ɽ:100	i:100	p:100	a:100	n:80 t:10 o:10
ProtoPanoan			ɽ	i	p	a	n

### COGID 361 / «needle»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	needle	0	x	o	-	m	o	x	
Chakobo	needle	0	Ø	Ø	Ø	Ø	Ø	Ø	
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	
Kakataibo			ɬ	o	-	m	o	ɬ	
Kapanawa			ɬ	o	?	m	o	ɬ	
Katukina			ɬ	u	-	m	u	ɬ	
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	
Kaxinawa			ɬ	u	-	m	u	ɬ	
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	
Marinawa			ɬ	o	-	m	o	ɬ	
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	
Matis			Ø	Ø	Ø	Ø	Ø	Ø	
Mayoruna	needle	0	ɬ	o	-	m	o	ɬ	
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	
Sharanawa			ɬ	o	-	m	o	ɬ	
ShipiboKonibo			ɬ	o	-	m	o	ɬ	
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	
Yawanawa			ɬ	u	-	m	u	ɬ	
Fuzzy			ɬ:100	o:100	?o:80 ?o:20	m:100	o:100	ɬ:100	
ProtoPanoan			ɬ	o	?	o	m	o	ɬ

## COGID 486 / «new»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	new	0	w	i	-	n	a	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa	new	0	ɸ	i	d	-	a	-
Kakataibo	new	0	β	i	-	n	a	-
Kapanawa	new	0	β	i	ʔ	n	a	-
Katukina	new	0	β	i	-	n	a	-
Kaxarari	new	0	β	i	l	-	a	k
Kaxinawa	new	0	b	i	-	n	a	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	new	0	ɸ	i	-	n	a	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	new	0	f	i	-	n	a	-
Sharanawa	new	0	ɸ	i	-	n	a	-
ShipiboKonibo	new	0	β	i	-	n	a	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	new	0	β	i	-	n	a	-
Fuzzy			β:100	i:100	ʔ:100	n:50 r:30 r <sup>n</sup> :20	a:100	k:90 n:10
ProtoPanoan			β	i	ʔ	r	a	k

## COGID 430 / «oar»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	oar	0	w	i	-	-	t	i
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	oar	0	-	i	n	a	t	i
Kapanawa	oar	0	w	i	n	-	t	i
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	oar	0	b	i	n	a	t	i
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø
Marubo	oar	0	w	i	n	a	t	i
Matis			Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibooar		0	w	i	-	-	t	i
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			w:100	i:100	r <sup>n</sup> :70 n:30	a:100	t:100	i:100
ProtoPanoan			w	i	n	a	t	i

## COGID 462 / «to grow»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka			Ø	Ø	Ø	Ø	Ø
Chakobo			Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	to grow	0	-	u	-	s	i
Kapanawa	old	0	j	o	-	s	i
Katukina	to grow	0	j	u	-	s	i
Kaxarari	to grow	0	j	o	-	s	i
Kaxinawa	to grow	0	j	u	-	s	i
Korubo	old	0	ts	u	-	s	i
Marinawa	to grow	0	j	o	o	s	i
Marubo	to grow	0	j	o	-	s	i
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna	to grow	0	ts	u	-	s	i
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	to grow	0	j	o	-	s	i
ShipiboKonibo	to grow	0	j	o	-	s	i
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			j:100	o:90 o.o:10	o:70 -.:30	s:100	i:100
ProtoPanoan			j	o	o	s	i

## COGID 449 / «tongue»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka			∅	∅	∅	∅	∅	∅	∅
Chakobo			∅	∅	∅	∅	∅	∅	∅
Chaninawa	tongue	0	-	a	-	ɤ	-	ɸ	a
Kakataibo	opening	0	-	a	~	ɤ	a	β	a
Kapanawa	opening	0	h	a	n	ɤ	-	β	a
Katukina			∅	∅	∅	∅	∅	∅	∅
Kaxarari			∅	∅	∅	∅	∅	∅	∅
Kaxinawa	opening	0	h	a	-	ɤ	-	p	a
Korubo			∅	∅	∅	∅	∅	∅	∅
Marinawa	tongue	0	-	a	-	ɤ	-	ɸ	a
Marubo			∅	∅	∅	∅	∅	∅	∅
Matis			∅	∅	∅	∅	∅	∅	∅
Mayoruna			∅	∅	∅	∅	∅	∅	∅
Poyanawa			∅	∅	∅	∅	∅	∅	∅
Shanenawa	tongue	0	-	a	-	ɤ	-	f	a
Sharanawa	opening	0	-	a	-	ɤ	-	ɸ	a
ShipiboKonimo	opening	0	h	a	~	ɤ	-	β	a
Yaminawa	opening	0	-	a	-	ɤ	-	ɸ	a
Yawanawa	tongue	0	-	a	-	ɤ	-	β	a
Fuzzy			h:100	a:100	~:80 r <sup>n</sup> :20 ɛ:70 s.a:30a:70 t:20 -:10			β:100	a:100
ProtoPanoan			h	a	~	ɤ	a	β	a

## COGID 38 / «otter»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	otter	0	h	i	n	i	?	-	n	o
Chakobo	otter	0	h	i	n	i	?	i	n	o
Chaninawa			∅	∅	∅	∅	∅	∅	∅	∅
Kakataibo	otter	0	-	i	n	-	-	-	-	o
Kapanawa	otter	0	-	-	n	i	?	-	n	o
Katukina			∅	∅	∅	∅	∅	∅	∅	∅
Kaxarari			∅	∅	∅	∅	∅	∅	∅	∅
Kaxinawa	species of otter	0	h	i	n	i	-	i	n	u
Korubo			∅	∅	∅	∅	∅	∅	∅	∅
Marinawa	otter	0	-	i	n	-	-	-	-	i
Marubo	otter	0	-	i	n	-	-	-	-	i
Matis	otter	0	-	i	n	i	-	-	n	o
Mayoruna	otter	0	-	o	n	i	-	-	n	a

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	inter	0	-	-	n	i	-	i	n	o
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			h:100	i:100	r <sup>n</sup> :100	i:100	ʔ:100	i:90  :10	r <sup>n</sup> :100	o:100
ProtoPanoan			h	i	r <sup>n</sup>	i	ʔ	i	n	o

## COGID 168 / «pamonha»

language	concept	pos	S1	S2	S3	S4
Amawaka	pamonha	0	m	i	s	i
Chakobo	pamonha	0	m	i	s	i
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo	pamonha	0	m	i	s	i
Kapanawa			Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	pamonha	0	m	i	s	i
Korubo			Ø	Ø	Ø	Ø
Marinawa	pamonha	0	m	i	s	i
Marubo			Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa	pamonha	0	m	i	s	i
Sharanawa	pamonha	0	m	i	s	i
ShipiboKonibo	pamonha	0	m	i	s	i
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø
Fuzzy			m:100	i:90 i:10	s:100	i:100
ProtoPanoan			m	i	s	i

## COGID 372 / «papaya»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	papaya	0	x	o	p	a	~
Chakobo			Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	papaya	0	ɬ	o	p	a	~
Kapanawa	papaya	0	ɬ	o	p	a	n
Katukina	papaya	0	ɬ	u	m.b	a	-
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	papaya	0	ɬ	u	p	a	~
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	papaya	0	ɬ	o	p	a	-
Marubo			Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	papaya	0	s	u	p	a	-
Sharanawa	papaya	0	ɬ	o	p	a	-
ShipiboKonibo	papaya	0	ɬ	o	p	a	~
Yaminawa	papaya	0	ɬ	o	p	a	-
Yawanawa	papaya	0	ɬ	u	p	a	-
Fuzzy			ɬ:100	o:100	p:100	a:100	r <sup>n</sup> :70  ~:30
ProtoPanoan			ɬ	o	p	a	r <sup>n</sup>

## COGID 416 / «species of pumpkin»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	species of pumpkin	0	w	a	r	a	~
Chakobo			Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	species of pumpkin	0	β	a	r	a	~
Kapanawa	species of pumpkin	0	w	a	r	a	n
Katukina	species of pumpkin	0	w	a	r	a	n
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of pumpkin	0	b	a	r	a	~
Korubo	papaya	0	w	a	ɬ	a	-



language	concept	pos	S1	S2	S3	S4	S5
Marinawa	species of pumpkin	0	ϕ	a	r	a	~
Marubo			∅	∅	∅	∅	∅
Matis	papaya	0	w	a	t	a	-
Mayoruna	species of pumpkin	0	w	a	d	a	-
Poyanawa			∅	∅	∅	∅	∅
Shanenawa	species of pumpkin	0	w	a	r	a	-
Sharanawa	species of pumpkin	0	ϕ	a	r	a	n
ShipiboKonibo	species of pumpkin	0	w	a	r	a	~
Yaminawa			∅	∅	∅	∅	∅
Yawanawa			∅	∅	∅	∅	∅
Fuzzy			w:100	a:100	ɾ:100	a:100	m:90 <sub>1</sub> r <sup>n</sup> :10
ProtoPanoan			w	a	ɾ	a	m

## COGID 415 / «peach palm»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	peach palm	0	w	a	n	i	-
Chakobo	peach palm	0	w	a	n	i	-
Chaninawa			∅	∅	∅	∅	∅
Kakataibo	peach palm	0	β	a	n	i	-
Kapanawa	peach palm	0	w	a	n	i	n
Katukina	peach palm	0	w	a	n	i	n
Kaxarari	peach palm	0	w	a	n	i	m
Kaxinawa	peach palm	0	b	a	n	i	-
Korubo			∅	∅	∅	∅	∅
Marinawa			∅	∅	∅	∅	∅
Marubo	peach palm	0	w	a	n	i	~

language	concept	pos	S1	S2	S3	S4	S5
Matis	peach	0	w	a	n	i	n
	palm						
Mayoruna	peach	0	w	a	n	i	n
	palm						
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	peach	0	w	a	n	i	-
	palm						
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			w:100	a:100	n:100	i:100	m:90 n:10
ProtoPanoan			w	a	n	i	m

## COGID 72 / «pineapple»

language	concept	pos	S1	S2	S3
Amawaka	pineapple	0	k	a	~
Chakobo	pineapple	0	k	a	-
Chaninawa			Ø	Ø	Ø
Kakataibo	pineapple	0	k	a	~
Kapanawa	pineapple	0	k	a	n
Katukina	pineapple	0	k	a	n
Kaxarari			Ø	Ø	Ø
Kaxinawa	pineapple	0	k	a	~
Korubo	pineapple	0	k	a	n
Marinawa			Ø	Ø	Ø
Marubo			Ø	Ø	Ø
Matis	pineapple	0	k	a	n
Mayoruna	pineapple	0	k	a	n
Poyanawa			Ø	Ø	Ø
Shanenawa	pineapple	0	k	a	-
Sharanawa			Ø	Ø	Ø
ShipiboKonibo	pineapple	0	k	a	~
Yaminawa			Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø
Fuzzy			k:100	a:100	r <sup>n</sup> :90 ~:10
ProtoPanoan			k	a	r <sup>n</sup>

## COGID 376 / «rat»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	rat	0	x	o	j	-	a
Chakobo	rat	0	ɣ	i	j	-	a
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	rat	0	ɣ	o	ɲ	-	ɔ
Kapanawa	rat	0	ɣ	o	j	-	a
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari	rat	0	ʃ	u	j	-	a
Kaxinawa	rat	0	ɣ	u	j	-	a
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø
Matis	rat	0	ɣ	u	-	i	a
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	rat	0	ɣ	o	j	-	a
ShipiboKonibo	rat	0	ɣ	o	j	-	a
Yaminawa	rat	0	ɣ	o	j	-	a
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			ɣ:100	o:100	j:100	-	a:100
						:80 k:10 n:10	
ProtoPanoan			ɣ	o	j	a	

## COGID 70 / «relatives»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	relatives	0	k	a	-	i	w	o
Chakobo	relatives	0	k	a	-	-	-	i
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	relatives	0	k	a	-	i	β	o
Kapanawa	relatives	0	k	a	-	i	β	o
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	relatives	0	k	a	~	-	-	i
Korubo	relatives	0	k	a	n	i	w	a
Marinawa	relatives	0	k	a	-	i	ϕ	o
Marubo			Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6
Matis	relatives	0	k	a	n	i	w	a
Mayoruna	relatives	0	k	a	n	-	-	i
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	relatives	0	k	a	-	i	ɸ	o
ShipiboKonibo	relatives	0	k	a	-	i	b	o
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			k:100	a:100	r <sup>n</sup> :100	-.90 i:10	-.100	i:90 o:10
ProtoPanoan			k	a	r <sup>n</sup>	i		

## COGID 161 / «right hand»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø		
Chakobo	right hand	0	m	i	n	i	k	a	j	a		
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø		
Kakataibori	right hand	0	m	i	k	i	k <sup>w</sup>	-	-	e		
Kapanawa	right hand	0	m	i	-	-	k	a	j	a		
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø		
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø		
Kaxinawa	right hand	0	-	-	-	-	k	a	j	a		
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø		
Marinawa	right hand	0	-	-	-	-	k	a	j	a		
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø		
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø		
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø		
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø		
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø		
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø		
ShipiboKonibo	right hand	0	m	i	-	-	k	a	j	a		
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø		
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø		
Fuzzy			m:100	i:100	k.i.r:90	j:i:10	k <sup>w</sup> :100	a:100	j:100	a:100		

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
ProtoPanoan			m	i	k	i	r	i	k <sup>w</sup>	a	j	a

## COGID 386 / «root»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	root	0	t	a	p	o	~
Chakobo	root	0	t	a	p	o	n
Chaninawa	root	0	t	a	p	o	n
Kakataibo	root	0	t	a	p	o	~
Kapanawa	root	0	t	a	p	o	n
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	root	0	t	a	p	u	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	root	0	t	a	p	o	-
Marubo	root	0	t	a	p	u	n
Matis	root	0	t	a	p	u	n
Mayoruna	root	0	t	a	p	u	n
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	root	0	t	a	p	u	-
Sharanawa	root	0	t	a	p	o	n
ShipiboKonibo	root	0	t	a	p	o	~
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa	root	0	t	a	p	u	n
Fuzzy			t:100	a:100	p:100	o:100	r <sup>n</sup> :60 n:40
ProtoPanoan			t	a	p	o	n

## COGID 301 / «same, of the same way, also»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	same, of the same way, also	0	r	i	-	w	i
Chakobo	same, of the same way, also	0	r	i	-	-	-
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	same, of the same way, also	0	r	i	-	β	i

language	concept	pos	S1	S2	S3	S4	S5
Kapanawa	same, of the same way, also	0	r	i	ʔ	β	i
Katukina			∅	∅	∅	∅	∅
Kaxarari			∅	∅	∅	∅	∅
Kaxinawa	same, of the same way, also	0	d	i	-	-	-
Korubo	same, of the same way, also	0	ɬ	i	-	β	i
Marinawa	same, of the same way, also	0	r	i	-	ϕ	i
Marubo	same, of the same way, also	0	r	i	-	v	i
Matis			∅	∅	∅	∅	∅
Mayoruna	same, of the same way, also	0	d	i	-	-	-
Poyanawa			∅	∅	∅	∅	∅
Shanenawa			∅	∅	∅	∅	∅
Sharanawa			∅	∅	∅	∅	∅
ShipiboKonibo	same, of the same way, also	0	r	i	-	β	i
Yaminawa	same, of the same way, also	0	r	i	-	-	-
Yawanawa			∅	∅	∅	∅	∅
Fuzzy			ɽ:100	i:90 i.ʔ:10	ʔ:100	β:100	i:100
ProtoPanoan			ɽ	i	ʔ	β	i

## COGID 175 / «sky»

language	concept	pos	S1	S2	S3	S4
Amawaka	sky	0	n	a	i	-
Chakobo	sky	0	n	a	i	-
Chaninawa	sky	0	d	a	i	-
Kakataibo	sky	0	n	a	i	-
Kapanawa	sky	0	n	a	i	-
Katukina	sky	0	n	a	i	-
Kaxarari	sky	0	n	a	i	tʃ
Kaxinawa	sky	0	n	a	i	-
Korubo			∅	∅	∅	∅
Marinawa	sky	0	n	a	i	-
Marubo	sky	0	n	a	i	-

language	concept	pos	S1	S2	S3	S4
Matis			Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa	sky	0	n	a	i	-
Sharanawa	sky	0	n	a	i	-
ShipiboKonibo	sky	0	n	a	i	-
Yaminawa	sky	0	n	a	i	-
Yawanawa	sky	0	n	a	i	-
Fuzzy			n:100	a:100	i:100	ɾ:60 -:20 k:10 tʰ:10
ProtoPanoan			n	a	i	ɾ

## COGID 97 / «smoke»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	smoke	0	k	o	?	i	~
Chakobo	smoke	0	k	o	?	i	n
Chaninawa	smoke	0	k	o	-	i	n
Kakataibo	smoke	0	k	o	-	i	-
Kapanawa	smoke	0	k	o	?	i	n
Katukina	smoke	0	k	u	-	i	n
Kaxarari	smoke	0	k <sup>w</sup>	a	-	-	n
Kaxinawa	smoke	0	k	u	-	i	~
Korubo	smoke	0	k <sup>w</sup>	a	-	i	n
Marinawa	smoke	0	k	o	-	i	~
Marubo	smoke	0	k	o	-	i	~
Matis	smoke	0	k <sup>w</sup>	a	-	i	n
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa	smoke	0	k	u	-	i	~
Shanenawa	smoke	0	k	u	-	i	n
Sharanawa	smoke	0	k	o	-	i	n
ShipiboKonibo	smoke	0	k	o	-	i	~
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			k <sup>w</sup> :100	a:100	?:100	i:100	n:90 m:10
ProtoPanoan			k <sup>w</sup>	a	?	i	n

## COGID 242 / «species of armadillo»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	species of armadillo	0	p	a	n	o	
Chakobo			Ø	Ø	Ø	Ø	
Chaninawa			Ø	Ø	Ø	Ø	
Kakataibo	species of armadillo	0	p	a	-	i	
Kapanawa			Ø	Ø	Ø	Ø	
Katukina	species of armadillo	0	p	a	n	u	
Kaxarari			Ø	Ø	Ø	Ø	
Kaxinawa	species of armadillo	0	p	a	n	u	
Korubo			Ø	Ø	Ø	Ø	
Marinawa	species of armadillo	0	p	a	n	o	
Marubo	species of armadillo	0	p	a	n	o	
Matis			Ø	Ø	Ø	Ø	
Mayoruna	species of armadillo	0	p	a	n	u	
Poyanawa			Ø	Ø	Ø	Ø	
Shanenawa			Ø	Ø	Ø	Ø	
Sharanawa			Ø	Ø	Ø	Ø	
ShipiboKonibo	species of armadillo	0	p	a	n	o	
Yaminawa	species of armadillo	0	p	a	n	o	
Yawanawa	species of armadillo	0	p	a	n	u	
Fuzzy ProtoPanoan			p:100 p	a.i:80 a:20 a	r <sup>n</sup> :100 i	o:100 r <sup>n</sup>	o

## COGID 68 / «species of bird»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	species of bird	0	?	i	-	ts	a	-
Chakobo	species of bird	0	?	i	-	s	a	k
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø



language	concept	pos	S1	S2	S3	S4	S5	S6
Kakataibo	species of bird	0	ʔ	i	-	s	a	-
Kapanawa	species of bird	0	ʔ	i	ʔ	s	a	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	species of bird	0	-	i	-	s	a	k
Kaxinawa	species of bird	0	-	i	-	s	a	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	species of bird	0	-	i	-	ts	a	k
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	species of bird	0	ʔ	i	-	s	a	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			ʔ:100	i:100	ʔ:100	ts:90 s:10	a:100	k:100
ProtoPanoan			ʔ	i	ʔ	ts	a	k

## COGID 263 / «species of snake»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	species of snake	0	p	i	s	-	k	a
Kapanawa	species of cobra	0	p	i	s	-	k	a
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of snake	0	p	i	s	i	k	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6
Marinawa	species of snake	0	p	i	s	-	k	a
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis	species of cobra	0	p	i	s	-	k	a
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa	species of cobra	0	p	i	s	-	k	a
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	species of snake	0	p	i	s	-	k	a
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			p:100	i:100	s:90 s.i:10	i:100	k:100	a:100
ProtoPanoan			p	i	s	i	k	a

## COGID 480 / «species of fish»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	species of fish	0	w	a	t	o	~
Chakobo	species of fish	0	β	a	t	o	m
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	species of fish	0	β	a	t	o	~
Kapanawa	species of fish	0	β	a	t	o	n
Katukina	species of fish	0	β	a	t	u	n
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of fish	0	b	a	t	u	~
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	species of fish (Loricariidae)	0	ϕ	a	t	o	~
Marubo			Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	species of fish	0	ϕ	a	t	o	-
ShipiboKonibo	species of fish	0	β	a	t	o	~
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5
Fuzzy			β:100	a:100	t:100	o:100	m:90 <sub>l</sub> r <sup>n</sup> :10
ProtoPanoan			β	a	t	o	m

### COGID 346 / «species of lizard»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	species of lizard	0	x	i	k	i	-
Chakobo	species of lizard	0	ɬ	i	k	i	-
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	species of lizard	0	ɬ	i	k	i	-
Kapanawa	species of lizard	0	ɬ	i	k	i	-
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of lizard	0	s	i	k	i	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	species of lizard	0	ɬ	i	k	i	-
Marubo			Ø	Ø	Ø	Ø	Ø
Matis	species of lizard	0	ɬ	i	k	i	d
Mayoruna	species of lizard	0	ɬ	i	k	i	d
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	species of lizard	0	ɬ	i	k	i	-
Yaminawa	species of lizard	0	ɬ	i	k	i	-
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			ɬ:100	i:100	k:100	i:100	t <sup>r</sup> :90 <sub>l</sub> -:10
ProtoPanoan			ɬ	i	k	i	t <sup>r</sup>

### COGID 25 / «species of mollusc»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	species of mollusc	0	tʃ	a	n	p	i	ʃ
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	species of mollusc	0	tʃ	a	~	p	i	ʃ
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of mollusc	0	tʃ	a	~	p	i	ʃ
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø	Ø
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	species of mollusc	0	tʃ	a	-	p	i	ʃ
Fuzzy			tʃ:100	a:100	~:90 r <sup>n</sup> :10	p:100	i:100	ʃ:100
ProtoPanoan			tʃ	a	~	p	i	ʃ

## COGID 515 / «species of palm»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	species of palm	0	β	u	-	r	i	-	-
Kapanawa	species of palm	0	β	o	?	r	i	-	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of palm	0	b	u	-	-	-	d	i
Korubo	species of palm	0	β	o	-	ɬ	i	t	-
Marinawa	species of palm	0	ϕ	o	-	r	i	~	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Mayoruna	species of palm	0	b	u	-	r	i	d	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	species of palm	0	ɸ	u	-	r	i	-	-
Sharanawa	species of palm	0	ɸ	o	-	r	i	-	-
ShipiboKorope	species of palm	0	β	o	-	r	i	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			β:100	o:90 o.2:10	?:100	ɾ:100	i:100	t:100	-
ProtoPanoan			β	o	?	ɾ	i	t	:70 t:10 n:10 r <sup>n</sup> :10

## COGID 384 / «species of palm»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	species of palm	0	t	a	-	o	-
Chakobo	species of palm	0	t	a	o	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	species of palm	0	t	ɔ	-	ɔ	-
Kapanawa	species of palm	0	t	a	-	o	-
Katukina	species of palm	0	t	a	-	u	-
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of palm	0	t	a	-	u	-
Korubo	species of palm	0	t	a	o	a	d
Marinawa	species of palm	0	t	a	-	o	-
Marubo			Ø	Ø	Ø	Ø	Ø
Matis	species of palm	0	t	a	o	a	d
Mayoruna			Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	species of palm	0	t	a	-	o	-
ShipiboKonibo	species of palm	0	t	a	-	o	-
Yaminawa	species of palm	0	t	a	-	o	-
Yawanawa	species of palm	0	t	a	-	o	-
Fuzzy			t:100	a:100	o:80 ʔ:10 tʰ:10	a:80 o:10 a.tʰ:10	ʔ:100
ProtoPanoan			t	a	o	a	tʰ

## COGID 74 / «species of snake»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	species of snake	0	k	a	-	m	o	x	-
Chakobo	species of snake	0	k	a	-	m	o	-	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	species of snake	0	k	a	-	m	o	ɣ	-
Kapanawa	species of snake	0	k	a	ʔ	m	o	ɣ	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of snake	0	k	a	-	m	u	ɣ	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	species of snake	0	k	a	-	m	o	ɟ	i
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	species of snake	0	k	a	-	m	o	ɣ	i

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
ShipiboKonibo	species of snake	0	k	a	-	m	o	ɕ	-
Yaminawa	species of snake	0	k	a	-	m	o	ɕ	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			k:100	a:100	?:100	m:100	o:100	ɕ:100	-:90 i:10
ProtoPanoan			k	a	?	m	o	ɕ	

## COGID 439 / «species of tick»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	species of tick	0	j	a	-	n	a	~
Chakobo	species of tick	0	j	a	?	-	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	species of tick	0	-	a	-	-	i	-
Kapanawa	species of tick	0	j	a	?	n	a	n
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	species of tick	0	j	a	l	-	ə	-
Kaxinawa	species of tick	0	j	a	-	n	a	~
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	species of tick	0	j	a	-	n	a	~
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	species of tick	0	tʃ	a	-	n	i	n
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	species of tick	0	j	a	-	n	a	n
ShipiboKonibo	species of tick	0	j	a	-	-	a	~
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			j:100	a:100	ʔ:100	n:60 r <sup>n</sup> :30 r:10a:100		r <sup>n</sup> :100
ProtoPanoan			j	a	ʔ	r	a	r <sup>n</sup>

## COGID 5 / «species of tree»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	species of tree	0	w	o	k	o	~
Chakobo	species of tree	0	β	o	k	o	n
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	species of tree	0	β	o	k	o	~
Kapanawa	species of tree	0	β	o	k	o	n
Katukina	species of tree	0	β	u	k	u	n
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of tree	0	b	u	k	u	~
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	species of tree	0	ϕ	o	k	o	~
Marubo			Ø	Ø	Ø	Ø	Ø
Matis	species of tree	0	b	u	k	u	-
Mayoruna	species of tree	0	b	u	k	u	-
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	species of tree	0	ϕ	o	k	o	-
ShipiboKonibo	species of tree	0	β	o	k	o	-
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			β:100	o:100	k:100	o:100	r <sup>n</sup> :90 m:10
ProtoPanoan			β	o	k	o	r <sup>n</sup>

## COGID 493 / «species of tree (Phyllanthaceae)»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	species of tree (Phyllanthaceae)	0	w	i	p	o	~
Chakobo			Ø	Ø	Ø	Ø	Ø
Chaninawa	species of tree (Phyllanthaceae)	0	ϕ	i	p	o	-



language	concept	pos	S1	S2	S3	S4	S5
Kakataibo	species of tree (Phyllanthaceae)	0	β	i	p	i	~
Kapanawa	species of tree (Phyllanthaceae)	0	β	i	p	o	n
Katukina	species of tree (Phyllanthaceae)	0	β	i	p	u	-
Kaxarari			∅	∅	∅	∅	∅
Kaxinawa	species of tree (Phyllanthaceae)	0	b	i	p	u	~
Korubo			∅	∅	∅	∅	∅
Marinawa	species of tree (Phyllanthaceae)	0	ϕ	i	p	o	-
Marubo			∅	∅	∅	∅	∅
Matis			∅	∅	∅	∅	∅
Mayoruna	species of tree (Phyllanthaceae)	0	b	i	p	i	n
Poyanawa			∅	∅	∅	∅	∅
Shanenawa			∅	∅	∅	∅	∅
Sharanawa			∅	∅	∅	∅	∅
ShipiboKonibo	species of tree (Phyllanthaceae)	0	β	i	p	o	~
Yaminawa	species of tree (Phyllanthaceae)	0	ϕ	i	p	o	-
Yawanawa			∅	∅	∅	∅	∅
Fuzzy			β:100	i:100	p:100	o:100	n:50 r <sup>n</sup> :50
ProtoPanoan			β	i	p	o	n

## COGID 52 / «species of tree and it's fruit»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	species of tree and it's fruit	0	h	i	-	tʃ	i	w	i
Chakobo			∅	∅	∅	∅	∅	∅	∅
Chaninawa			∅	∅	∅	∅	∅	∅	∅
Kakataibo	species of tree and it's fruit	0	-	i	-	tʃ	i	β	i
Kapanawa	species of tree and it's fruit	0	h	i	-	tʃ	i	β	i
Katukina			∅	∅	∅	∅	∅	∅	∅
Kaxarari			∅	∅	∅	∅	∅	∅	∅

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Kaxinawa	species of tree and it's fruit	0	-	i	ʃ	tʃ	i	b	i
Korubo			∅	∅	∅	∅	∅	∅	∅
Marinawa	species of tree and it's fruit	0	-	i	-	tʃ	i	β	i
Marubo			∅	∅	∅	∅	∅	∅	∅
Matis			∅	∅	∅	∅	∅	∅	∅
Mayoruna	species of tree and it's fruit	0	-	i	-	tʃ	i	b	i
Poyanawa			∅	∅	∅	∅	∅	∅	∅
Shanenawa			∅	∅	∅	∅	∅	∅	∅
Sharanawa	species of tree and it's fruit	0	-	i	-	tʃ	i	β	i
ShipiboKonibo			∅	∅	∅	∅	∅	∅	∅
Yaminawa	species of tree and it's fruit	0	-	i	-	tʃ	i	β	i
Yawanawa			∅	∅	∅	∅	∅	∅	∅
Fuzzy			h:100 i:90   i.ʃ:10   j:90   - :10			tʃ:100 i:100	β:100 i:100		
ProtoPanoan			h	i	ʃ	tʃ	i	β	i

## COGID 432 / «stick»

language	concept	pos	S1	S2	S3	S4
Amawaka	stick	0	w	i	n	o
Chakobo			∅	∅	∅	∅
Chaninawa			∅	∅	∅	∅
Kakataibo	stick	0	-	i	n	o
Kapanawa	stick	0	w	i	n	o
Katukina			∅	∅	∅	∅
Kaxarari			∅	∅	∅	∅
Kaxinawa	stick	0	b	i	n	u
Korubo			∅	∅	∅	∅
Marinawa	stick	0	β	i	n	o
Marubo	stick	0	w	i	n	o
Matis			∅	∅	∅	∅
Mayoruna			∅	∅	∅	∅
Poyanawa			∅	∅	∅	∅
Shanenawa			∅	∅	∅	∅
Sharanawa	stick	0	β	i	n	o

language	concept	pos	S1	S2	S3	S4
ShipiboKonibo	stick	0	w	i	n	o
Yaminawa			∅	∅	∅	∅
Yawanawa			∅	∅	∅	∅
Fuzzy			w:100	i:100	r <sup>n</sup> :100	o:100
ProtoPanoan			w	i	n	o

## COGID 495 / «tapir»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	tapir	0	?	a	-	a	-
Chakobo	tapir	0	?	a	w	a	r
Chaninawa			∅	∅	∅	∅	∅
Kakataibo	tapir	0	?	ɔ	-	ɔ	-
Kapanawa	tapir	0	?	a	w	a	-
Katukina	tapir	0	-	a	w	a	-
Kaxarari	tapir	0	-	a	w	a	tʃ
Kaxinawa	tapir	0	-	a	w	a	-
Korubo	tapir	0	-	a	w	a	t
Marinawa	tapir	0	-	a	w	a	-
Marubo	tapir	0	-	a	w	a	-
Matis	tapir	0	-	a	w	a	d
Mayoruna	tapir	0	-	a	w	a	d
Poyanawa	tapir	0	-	a	w	a	-
Shanenawa	tapir	0	-	a	w	a	-
Sharanawa	tapir	0	-	a	w	a	-
ShipiboKonibo	tapir	0	?	a	w	a	-
Yaminawa	tapir	0	-	a	ϕ	a	-
Yawanawa	tapir	0	-	a	w	a	-
Fuzzy			?:100	a:100	w:100	a:100	ɾ:60 t:30 t <sup>r</sup> :10
ProtoPanoan			?	a	w	a	ɾ

## COGID 488 / «tear»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	tear	0	w	i	?	o	~
Chakobo	tear	0	β	i	?	o	n
Chaninawa	tear	0	ϕ	i	-	o	n
Kakataibo	tear	0	β	i	-	o	~

language	concept	pos	S1	S2	S3	S4	S5
Kapanawa			Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari	tear	0	b	i	-	o	m
Kaxinawa	tear	0	b	i	-	u	~
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	tear	0	ϕ	i	-	o	~
Marubo			Ø	Ø	Ø	Ø	Ø
Matis	tear	0	b	i	-	u	n
Mayoruna	tear	0	b	i	-	u	n
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	tear	0	ϕ	i	-	o	n
ShipiboKonibo	tear	0	β	i	-	o	~
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			β:100	i:100	?:100	o:100	m:90 r <sup>n</sup> :10
ProtoPanoan			β	i	?	o	m

## COGID 91 / «thick»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	thick	0	k	i	s	t	o	
Chakobo			Ø	Ø	Ø	Ø	Ø	
Chaninawa			Ø	Ø	Ø	Ø	Ø	
Kakataibo	thick	0	k	i	ʂ	t	o	
Kapanawa	thick	0	k	i	ʂ	t	o	
Katukina			Ø	Ø	Ø	Ø	Ø	
Kaxarari			Ø	Ø	Ø	Ø	Ø	
Kaxinawa	thick	0	k	i	ʂ	t	u	
Korubo			Ø	Ø	Ø	Ø	Ø	
Marinawa	thick	0	k	i	ʂ	t	o	
Marubo			Ø	Ø	Ø	Ø	Ø	
Matis			Ø	Ø	Ø	Ø	Ø	
Mayoruna			Ø	Ø	Ø	Ø	Ø	
Poyanawa			Ø	Ø	Ø	Ø	Ø	
Shanenawa	thick	0	k	i	ʂ	t	u	
Sharanawa	thick	0	k	i	ʂ	t	o	
ShipiboKonibo	thick	0	k	i	ʂ	t	o	
Yaminawa			Ø	Ø	Ø	Ø	Ø	
Yawanawa			Ø	Ø	Ø	Ø	Ø	

language	concept	pos	S1	S2	S3	S4	S5	S6
Fuzzy			k:100	i:100	ʂ:100	t:100	o:90 o.n:10	
ProtoPanoan			k	i	ʂ	t	o	n

## COGID 304 / «thread, rope»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	thread, rope	0	r	i	s	w	i	-	i	
Chakobo	thread, rope	0	r	i	s	p	i	tʃ	i	
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	
Kakataibo	thread, rope	0	r	i	s	-	-	-	i	
Kapanawa	thread, rope	0	r	i	s	β	-	-	i	
Katukina	thread, rope	0	r	i	s	-	i	β	i	
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	
Kaxinawa	thread, rope	0	d	i	s	p	-	-	i	
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	
Marinawa	thread, rope	0	r	i	s	ϕ	-	-	i	
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	
Poyanawa	thread, rope	0	r	i	s	β	-	-	i	
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	
Sharanawa	thread, rope	0	r	i	s	ϕ	-	-	i	
ShipiboKontibo	thread, rope	0	r	i	s	β	-	-	i	
Yaminawa	thread, rope	0	r	i	s	ϕ	i	tʃ	i	
Yawanawa	thread, rope	0	r	i	s	β	-	-	i	
Fuzzy			ʈ:100	i:100	s:90 s.i:10	β:100	i:100	tʃ:90 tʃ:10	i:100	
ProtoPanoan			ʈ	i	s	i	β	i	tʃ	i

## COGID 126 / «to bury»

language	concept	pos	S1	S2	S3	S4
Amawaka	to bury	0	m	a	i	-
Chakobo	to bury	0	m	a	i	-
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo	to bury	0	m	a	i	~
Kapanawa	to bury	0	m	a	i	n
Katukina			Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	to bury	0	m	a	i	-
Korubo			Ø	Ø	Ø	Ø
Marinawa	to bury	0	m	a	i	-
Marubo			Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø
ShipiboKonibo	to bury	0	m	i	i	~
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø
Fuzzy			m:100	a:100	i:100	r <sup>n</sup> :60 n:30 ~:10
ProtoPanoan			m	a	i	r <sup>n</sup>

## COGID 503 / «to catch»

language	concept	pos	S1	S2	S3
Amawaka	to catch	0	w	i	-
Chakobo	to catch	0	β	i	-
Chaninawa	to catch	0	ϕ	i	-
Kakataibo	to catch	0	β	i	-
Kapanawa	to catch	0	β	i	-
Katukina	to catch	0	β	i	-
Kaxarari			Ø	Ø	Ø
Kaxinawa	to catch	0	b	i	-
Korubo	to catch	0	b	e	t
Marinawa	to catch	0	ϕ	i	-
Marubo	to catch	0	v	i	-
Matis	to catch	0	b	e	d

language	concept	pos	S1	S2	S3
Mayoruna	to catch	0	b	e	d
Poyanawa			Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø
Sharanawa	to catch	0	ɸ	i	-
ShipiboKonibo	to catch	0	β	i	-
Yaminawa	to catch	0	ɸ	i	-
Yawanawa			Ø	Ø	Ø
Fuzzy			β:100	i:100	tʳ:80 t:20
ProtoPanoan			β	i	tʳ

### COGID 431 / «to cry»

language	concept	pos	S1	S2	S3
Amawaka	to cry	0	w	i	n
Chakobo	to cry	0	w	i	n
Chaninawa			Ø	Ø	Ø
Kakataibo	to cry	0	-	i	-
Kapanawa	to cry	0	w	i	n
Katukina			Ø	Ø	Ø
Kaxarari	to cry	0	w	i	-
Kaxinawa			Ø	Ø	Ø
Korubo	to cry	0	w	i	n
Marinawa			Ø	Ø	Ø
Marubo			Ø	Ø	Ø
Matis	to cry	0	w	i	n
Mayoruna	to cry	0	w	i	n
Poyanawa			Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø
Sharanawa	to cry	0	ɸ	i	n
ShipiboKonibo	to cry	0	w	i	n
Yaminawa	to cry	0	w	i	-
Yawanawa			Ø	Ø	Ø
Fuzzy			w:100	i:100	r <sup>n</sup> :70 n:30
ProtoPanoan			w	i	r <sup>n</sup>

### COGID 58 / «to desire»

language	concept	pos	S1	S2	S3	S4
Amawaka	to desire	0	k	i	i	~
Chakobo	to desire	0	k	i	i	-
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo	to desire	0	k <sup>w</sup>	i	i	~
Kapanawa	to desire	0	k	i	i	n
Katukina			Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	to desire	0	k	i	-	~
Korubo			Ø	Ø	Ø	Ø
Marinawa	to desire	0	k	i	i	~
Marubo			Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø
ShipiboKonibo	to desire	0	k	i	i	~
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø
Fuzzy			k <sup>w</sup> :100	i:100	i:100	r <sup>n</sup> :100
ProtoPanoan			k <sup>w</sup>	i	i	~

## COGID 2 / «to devour»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	to devour	0	?	a	j	a	-
Chakobo	to devour	0	-	-	-	a	-
Chaninawa	to devour	0	-	a	j	a	-
Kakataibo	to devour	0	?	e	-	e	-
Kapanawa	to devour	0	?	a	-	-	?
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	to devour	0	-	a	j	a	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	to devour	0	-	a	j	a	-
Marubo	to devour	0	-	-	-	a	-
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	to devour	0	-	a	j	a	-



language	concept	pos	S1	S2	S3	S4	S5
Sharanawa	to devour	0	-	a	j	a	-
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa	to devour	0	-	a	j	a	-
Fuzzy			?:100	a:100	j:100	a:100	-:60 ?:40
ProtoPanoan			?	a	j	a	

## COGID 241 / «to fall»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	to fall	0	p	a	k	i	-
Chakobo	to fall	0	p	a	k	i	-
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	to fall	0	p	a	k	i	t
Kapanawa			Ø	Ø	Ø	Ø	Ø
Katukina	to fall	0	p	a	k	i	-
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	to fall	0	p	a	k	i	-
Korubo	to fall	0	p	a	k	i	t
Marinawa	to fall	0	p	a	k	i	-
Marubo	to fall	0	p	a	k	i	-
Matis	to fall	0	p	a	k	i	d
Mayoruna	to fall	0	p	a	-	i	d
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	to fall	0	p	a	k	i	-
Sharanawa	to fall	0	p	a	k	i	-
ShipiboKonibo	to fall	0	p	a	k	i	-
Yaminawa	to fall	0	p	a	k	i	-
Yawanawa	to fall	0	p	a	k	i	-
Fuzzy			p:100	a:100	k:100	i:100	t:80 t <sup>r</sup> :20
ProtoPanoan			p	a	k	i	t

## COGID 287 / «to fear»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	to fear	0	r	a	k	i	-
Chakobo	to fear	0	r	a	k	i	-
Chaninawa			Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5
Kakataibo	to fear	0	r	a	k <sup>w</sup>	i	-
Kapanawa	to fear	0	r	a	k	i	-
Katukina	to fear	0	r	a	k	i	-
Kaxarari	to fear, to be afraid	0	tʃ	a	k	i	t
Kaxinawa	to fear	0	d	a	k	i	-
Korubo	to fear, to be afraid	0	ɬ	a	k <sup>w</sup>	i	t
Marinawa	to fear	0	r	a	k	i	-
Marubo	to fear	0	r	a	k	i	-
Matis	to fear, to be afraid	0	d	a	k	u	d
Mayoruna	to fear	0	d	a	k <sup>w</sup>	i	d
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø
ShipiboKonibto	to fear	0	r	a	k	i	-
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			ɾ:100	a:100	k <sup>w</sup> :100	i:100	:-60 tʳ:40
ProtoPanoan			ɾ	a	k <sup>w</sup>	i	

## COGID 135 / «to feel longing»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka			Ø	Ø	Ø	Ø	
Chakobo			Ø	Ø	Ø	Ø	
Chaninawa			Ø	Ø	Ø	Ø	
Kakataibo	to feel longing	0	m	a	n	o	
Kapanawa			Ø	Ø	Ø	Ø	
Katukina			Ø	Ø	Ø	Ø	
Kaxarari			Ø	Ø	Ø	Ø	
Kaxinawa	to feel longing	0	m	a	n	u	
Korubo			Ø	Ø	Ø	Ø	
Marinawa			Ø	Ø	Ø	Ø	
Marubo			Ø	Ø	Ø	Ø	
Matis			Ø	Ø	Ø	Ø	
Mayoruna			Ø	Ø	Ø	Ø	
Poyanawa			Ø	Ø	Ø	Ø	
Shanenawa			Ø	Ø	Ø	Ø	

language	concept	pos	S1	S2	S3	S4	S5
Sharanawa	to feel longing	0	m	a	n	o	
ShipiboKonibo			Ø	Ø	Ø	Ø	
Yaminawa			Ø	Ø	Ø	Ø	
Yawanawa			Ø	Ø	Ø	Ø	
Fuzzy			m:100	a:100	r <sup>n</sup> :100	o.t:100	
ProtoPanoan			m	a	r <sup>n</sup>	o	t

## COGID 221 / «to fly»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	to fly	0	Ø	Ø	Ø	Ø	
Chakobo			n	o	j	a	
Chaninawa			Ø	Ø	Ø	Ø	
Kakataibo			n	o	~	a	
Kapanawa			n	o	j	a	
Katukina	to fly	0	Ø	Ø	Ø	Ø	
Kaxarari			Ø	Ø	Ø	Ø	
Kaxinawa			n	u	j	a	
Korubo			Ø	Ø	Ø	Ø	
Marinawa			n	o	j	a	
Marubo	to fly	0	n	u	j	a	
Matis			Ø	Ø	Ø	Ø	
Mayoruna			Ø	Ø	Ø	Ø	
Poyanawa			Ø	Ø	Ø	Ø	
Shanenawa			n	u	j	a	
Sharanawa	to fly	0	n	o	j	a	
ShipiboKonibo			n	o	j	a	
Yaminawa			j	o	j	a	
Yawanawa			n	u	-.i	a	
Fuzzy			r <sup>n</sup> :100	o:100	j:100	-.80 k:20	a:100
ProtoPanoan			r <sup>n</sup>	o	j	a	

## COGID 487 / «to forget, to lose»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	to forget, to lose	0	w	i	-	n	o	-

language	concept	pos	S1	S2	S3	S4	S5	S6
Chakobo	to forget, to lose	0	β	i	-	n	o	-
Chaninawa			∅	∅	∅	∅	∅	∅
Kakataibo			∅	∅	∅	∅	∅	∅
Kapanawa	to forget, to lose	0	β	i	ʔ	n	o	-
Katukina	to forget, to lose	0	β	i	-	n	u	-
Kaxarari			∅	∅	∅	∅	∅	∅
Kaxinawa	to forget, to lose	0	b	i	-	n	u	-
Korubo	to forget, to lose	0	b	i	-	n	u	t
Marinawa	to forget, to lose	0	ϕ	i	-	n	o	-
Marubo	to forget, to lose	0	v	i	-	n	o	-
Matis	to forget, to lose	0	b	i	-	n	u	d
Mayoruna			∅	∅	∅	∅	∅	∅
Poyanawa			∅	∅	∅	∅	∅	∅
Shanenawa	to forget, to lose	0	f	i	-	n	u	-
Sharanawa	to forget, to lose	0	ϕ	i	-	n	o	-
ShipiboKonibo	to forget, to lose	0	β	i	-	n	o	-
Yaminawa	to forget, to lose	0	ϕ	i	-	n	o	-
Yawanawa	to forget, to lose	0	β	i	-	n	u	-
Fuzzy			β:100	i:100	ʔ:100	r <sup>n</sup> :90 ʔ.r <sup>n</sup> :10	o:100	t <sup>r</sup> :100
ProtoPanoan			β	i	ʔ	r <sup>n</sup>	o	t <sup>r</sup>

## COGID 236 / «to get drunk, drunk»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	to get drunk, drunk	0	p	a	ʔ	i	-

language	concept	pos	S1	S2	S3	S4	S5
Chakobo	to get drunk, drunk	0	p	a	?	i	-
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	to get drunk, drunk	0	p	a	-	i	-
Kapanawa	to get drunk, drunk	0	p	a	?	i	n
Katukina	to get drunk, drunk	0	p	a	-	i	n
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	to get drunk, drunk	0	p	a	-	i	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	to get drunk, drunk	0	p	a	-	i	-
Marubo	to get drunk, drunk	0	p	a	-	i	-
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna	to get drunk, drunk	0	p	a	-	i	-
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	to get drunk, drunk	0	p	a	-	i	-
ShipiboKonibo	to get drunk, drunk	0	p	a	-	i	-
Yaminawa	to get drunk, drunk	0	p	a	-	i	-
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			p:100	a:100	?:100	i:100	n:70 r <sup>n</sup> :20 -:10
ProtoPanoan			p	a	?	i	n

## COGID 115 / «to give»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	to give	0	-	i	n	a	~
Chakobo	to give	0	?	i	n	a	-
Chaninawa	to give	0	-	i	n	a	-
Kakataibo	to give	0	?	i	n	a	~

language	concept	pos	S1	S2	S3	S4	S5
Kapanawa	to give	0	ʔ	i	n	a	n
Katukina	to give	0	-	i	n	a	-
Kaxarari	to give	0	j	a	l	-	-
Kaxinawa	to give	0	-	i	n	a	~
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	to give	0	-	i	n	a	~
Marubo	to give	0	-	i	n	a	~
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	to give	0	-	i	n	a	n
Sharanawa	to give	0	-	i	n	a	n
ShipiboKoniboto	give	0	ʔ	i	n	a	~
Yaminawa	to give	0	-	i	n	a	~
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			ʔ:100	i:100	r:100	a:100	r <sup>n</sup> :40 n:30 r:20 -:10
ProtoPanoan			ʔ	i	n	a	r

## COGID 297 / «to grind»

language	concept	pos	S1	S2	S3	S4
Amawaka	to grind	0	r	i	n	i
Chakobo			Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo	to grind	0	r	i	-	-
Kapanawa	to grind	0	r	i	n	i
Katukina			Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	to grind	0	d	i	n	i
Korubo			Ø	Ø	Ø	Ø
Marinawa	to grind	0	r	i	n	i
Marubo			Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø
Sharanawa	to grind	0	r	i	n	i
ShipiboKonibo	to grind	0	r	i	n	i
Yaminawa			Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4
Yawanawa			Ø	Ø	Ø	Ø
Fuzzy			ɾ:100	i:100	r <sup>n</sup> :100	i:100
ProtoPanoan			ɾ	i	n	i

### COGID 368 / «to peel oneself, to change skin»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	to peel oneself, to change skin	0	x	o	k	o	-
Chakobo	to peel oneself, to change skin	0	ɕ	o	k	o	-
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	to peel oneself, to change skin	0	ɕ	o	k	o	-
Kapanawa	to peel oneself, to change skin	0	ɕ	o	k	o	-
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	to peel oneself, to change skin	0	ɕ	u	k	u	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	to peel oneself, to change skin	0	ɕ	o	k	o	-
Marubo			Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna	to peel oneself, to change skin	0	ɕ	u	k	u	d
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	to peel oneself, to change skin	0	ɕ	o	k	o	-
ShipiboKonibo	to peel oneself, to change skin	0	ɕ	o	k	o	-
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			ɕ:100	o:100	k:100	o:100	n:60 t <sup>r</sup> :30 -:10
ProtoPanoan			ɕ	o	k	o	n

## COGID 370 / «to run»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka			Ø	Ø	Ø	Ø	Ø
Chakobo	to run	0	h	a	β	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	to run	0	-	a	β	a	-
Kapanawa	to run	0	h	a	β	a	-
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	to run	0	h	a	b	a	-
Korubo	to run	0	-	a	β	a	t
Marinawa			Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø
Matis	to run	0	-	a	b	a	d
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	to run	0	-	a	ϕ	a	-
ShipiboKonibo	to run	0	h	a	β	a	-
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			h:100	a:100	β:100	a:100	t:80  -:20
ProtoPanoan			h	a	β	a	t

## COGID 392 / «to step»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	to step	0	h	a	m	a	-
Chakobo	to step	0	h	a	m	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	to step	0	-	a	m	a	-
Kapanawa	to step	0	h	a	m	a	-
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari	to step	0	h	a	m	a	-
Kaxinawa	to step	0	h	a	m	a	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø
Matis	to step	0	-	a	m	a	k



language	concept	pos	S1	S2	S3	S4	S5
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	to step	0	h	a	m	a	-
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			h:100	a:100	m:100	a:100	k:90 :-:10
ProtoPanoan			h	a	m	a	k

## COGID 218 / «to swim»

language	concept	pos	S1	S2	S3	S4
Amawaka			Ø	Ø	Ø	Ø
Chakobo	to swim	0	n	o	n	o
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø
Kapanawa			Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	to swim	0	n	o	n	o
Korubo			Ø	Ø	Ø	Ø
Marinawa	to swim	0	n	o	n	o
Marubo			Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø
ShipiboKonibo	to swim	0	n	o	n	o
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø
Fuzzy			r <sup>n</sup> :100	o:100	r <sup>n</sup> :100	o:100
ProtoPanoan			n	o	n	o

## COGID 322 / «to think»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	to think	0	ɟ	i	n	a	~
Chakobo	to think	0	ɟ	i	n	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	to think	0	s	i	n	a	~
Kapanawa	to think	0	ɟ	i	n	a	n
Katukina	to think	0	ɟ	i	n	a	-
Kaxarari	to think	0	ɟ	i	n	e	-
Kaxinawa	to think	0	ɟ	i	n	a	~
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	to think	0	ɟ	i	n	a	~
Marubo	to think	0	ɟ	i	n	a	~
Matis	to think	0	s	i	n	a	n
Mayoruna	to think	0	s	i	n	a	n
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	to think	0	ɟ	i	n	a	n
Sharanawa	to think	0	ɟ	i	n	a	-
ShipiboKonibo	to think	0	ɟ	i	n	a	~
Yaminawa	to think	0	ɟ	i	n	a	~
Yawanawa	to think	0	ɟ	i	n	a	n
Fuzzy			s:100	i:100	n:100	a:100	r <sup>n</sup> :90 r:10
ProtoPanoan			s	i	n	a	r <sup>n</sup>

## COGID 156 / «to wet, wet»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	to wet, wet	0	m	i	-	tʃ	a
Chakobo	to wet, wet	0	-	-	-	tʃ	a
Chaninawa	to wet, wet	0	m	i	-	tʃ	a
Kakataibo	to wet, wet	0	-	-	-	tʃ	a
Kapanawa	to wet, wet	0	m	i	?	tʃ	a
Katukina	to wet, wet	0	m	i	-	tʃ	a
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	to wet, wet	0	m	i	-	tʃ	a
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	to wet, wet	0	m	i	-	tʃ	a
Marubo	to wet, wet	0	m	i	-	tʃ	a
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	to wet, wet	0	m	u	-	tʃ	i

language	concept	pos	S1	S2	S3	S4	S5
Sharanawa	to wet, wet	0	m	i	-	tʃ	a
ShipiboKonibo	to wet, wet	0	m	i	-	tʃ	a
Yaminawa	to wet, wet	0	m	i	-	tʃ	a
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			m:100	i:80 i.ʔ:20	ʔ:100	tʃ:100	a:100
ProtoPanoan			m	i	ʔ	tʃ	a

## COGID 358 / «transitive concordance suffix»

language	concept	pos	S1	S2	S3
Amawaka	transitive concordance suffix	0	x	o	-
Chakobo	transitive concordance suffix	0	ʂ	o	-
Chaninawa			Ø	Ø	Ø
Kakataibo	transitive concordance suffix	0	ʂ	o	~
Kapanawa	transitive concordance suffix	0	ʂ	o	n
Katukina	transitive concordance suffix	0	ʂ	o	~
Kaxarari	transitive concordance suffix	0	ʃ	u	-
Kaxinawa	transitive concordance suffix	0	ʂ	u	-
Korubo	transitive concordance suffix	0	ʂ	u	n
Marinawa			Ø	Ø	Ø
Marubo	transitive concordance suffix	0	ʂ	o	-
Matis	transitive concordance suffix	0	ʂ	u	n
Mayoruna	transitive concordance suffix	0	ʂ	u	n
Poyanawa			Ø	Ø	Ø
Shanenawa	transitive concordance suffix	0	ʂ	u	n
Sharanawa			Ø	Ø	Ø
ShipiboKonibo	transitive concordance suffix	0	ʂ	o	~

language	concept	pos	S1	S2	S3
Yaminawa	transitive concordance suffix	0	ʂ	o	~
Yawanawa			∅	∅	∅
Fuzzy			ʂ:100	o:100	n:90 r <sup>n</sup> :10
ProtoPanoan			ʂ	o	n

## COGID 516 / «tree stump»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	tree stump	0	w	o	-	r	o	
Chakobo			∅	∅	∅	∅	∅	
Chaninawa			∅	∅	∅	∅	∅	
Kakataibo	tree stump	0	β	u	-	r	u	
Kapanawa	tree stump	0	β	o	?	r	o	
Katukina			∅	∅	∅	∅	∅	
Kaxarari			∅	∅	∅	∅	∅	
Kaxinawa	tree stump	0	b	u	d	-	u	
Korubo			∅	∅	∅	∅	∅	
Marinawa	tree stump	0	ɸ	o	-	r	o	
Marubo	tree stump	0	v	o	-	r	o	
Matis			∅	∅	∅	∅	∅	
Mayoruna	tree stump	0	b	u	d	-	-	
Poyanawa			∅	∅	∅	∅	∅	
Shanenawa			∅	∅	∅	∅	∅	
Sharanawa	tree stump	0	ɸ	o	-	r	o	
ShipiboKonibo	tree stump	0	β	o	-	r	o	
Yaminawa			∅	∅	∅	∅	∅	
Yawanawa			∅	∅	∅	∅	∅	
Fuzzy			β:100	o:100	? :90 t <sup>r</sup> :10	ɽ:100	o:90 o.t <sup>r</sup> :10	
ProtoPanoan			β	o	?	ɽ	o	t <sup>r</sup>

## COGID 284 / «two»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	two	0	r	a	w	i	-
Chakobo	two	0	r	a	β	i	-
Chaninawa	two	0	r	a	ϕ	i	-
Kakataibo	two	0	r	a	β	i	-
Kapanawa	two	0	r	a	β	i	-
Katukina	two	0	r	a	β	i	-
Kaxarari	two	0	tʃ	a	b	i	t
Kaxinawa	two	0	d	a	b	i	-
Korubo	two	0	ɬ	a	β	i	t
Marinawa	two	0	r	a	ϕ	i	-
Marubo	two	0	r	a	v	i	v
Matis	two	0	d	a	b	i	d
Mayoruna	two	0	d	a	-	i	d
Poyanawa	two	0	r	a	β	u	-
Shanenawa	two	0	r	a	f	u	-
Sharanawa	two	0	r	a	ϕ	i	-
ShipiboKonibo	two	0	r	a	β	i	-
Yaminawa	two	0	r	a	ϕ	i	-
Yawanawa	two	0	r	a	β	i	-
Fuzzy			ɽ:100	a:100	β:100	i:100	t:90 tʳ:10
ProtoPanoan			ɽ	a	β	i	t

## COGID 92 / «type of pot»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	type of pot	0	k	i	t	i	-
Chakobo			∅	∅	∅	∅	∅
Chaninawa	type of pot	0	k	i	t	i	-
Kakataibo	type of pot	0	k	i	t	i	-
Kapanawa	type of pot	0	k	i	n.t	i	-
Katukina			∅	∅	∅	∅	∅
Kaxarari			∅	∅	∅	∅	∅

language	concept	pos	S1	S2	S3	S4	S5
Kaxinawa	type of pot	0	k	i	t	i	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	type of pot	0	k	i	t	i	-
Marubo			Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	type of pot	0	k	i	t	i	-
Sharanawa	type of pot	0	k	i	t	i	n
ShipiboKonibo	type of pot	0	k	i	t	i	-
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa	type of pot	0	k	i	t	i	-
Fuzzy			k:100	i:100	t:100	i:90 i:n:10	n:70 k:20 -:10
ProtoPanoan			k	i	t	i	n

## COGID 484 / «type of venom»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	type of venom	0	ʔ	a	x	a	~
Chakobo	type of venom	0	ʔ	a	ɬ	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	type of venom	0	ʔ	a	ɬ	a	~
Kapanawa	type of venom	0	ʔ	a	ɬ	a	n
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	type of venom	0	-	a	ɬ	a	-
Korubo			Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5
Marinawa	type of venom	0	-	a	ɣ	a	~
Marubo			Ø	Ø	Ø	Ø	Ø
Matis	type of venom	0	-	a	ɣ	-	-
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	type of venom	0	-	a	ɣ	a	n
ShipiboKonibo	type of venom	0	?	a	ɣ	a	~
Yaminawa	type of venom	0	-	a	ɣ	a	~
Yawanawa	type of venom	0	-	a	ɰ	a	n
Fuzzy			?:100	a:100	ɣ:100	a:100	n:90 r <sup>n</sup> :10
ProtoPanoan			?	a	ɣ	a	n

## COGID 208 / «we»

language	concept	pos	S1	S2
Amawaka	we	0	n	o
Chakobo	we	0	n	o
Chaninawa			Ø	Ø
Kakataibo	we	0	n	o
Kapanawa	we	0	n	o
Katukina			Ø	Ø
Kaxarari			Ø	Ø
Kaxinawa	we	0	n	u
Korubo	we	0	n	u
Marinawa	we	0	n	o
Marubo			Ø	Ø
Matis	we	0	n	u
Mayoruna			Ø	Ø
Poyanawa			Ø	Ø
Shanenawa			Ø	Ø
Sharanawa			Ø	Ø
ShipiboKonibo	we	0	n	o
Yaminawa			Ø	Ø

language	concept	pos	S1	S2
Yawanawa			Ø	Ø
Fuzzy			r <sup>n</sup> :100	o:100
ProtoPanoan			n	o

## COGID 517 / «woman, wife»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka			Ø	Ø	Ø	Ø	Ø	
Chakobo			Ø	Ø	Ø	Ø	Ø	
Chaninawa			Ø	Ø	Ø	Ø	Ø	
Kakataibo			Ø	Ø	Ø	Ø	Ø	
Kapanawa	woman, wife	0	-	a	i	β	o	
Katukina			Ø	Ø	Ø	Ø	Ø	
Kaxarari			Ø	Ø	Ø	Ø	Ø	
Kaxinawa	woman, wife	0	-	a	i	b	u	
Korubo			Ø	Ø	Ø	Ø	Ø	
Marinawa	woman, wife	0	-	a	i	Φ	o	
Marubo			Ø	Ø	Ø	Ø	Ø	
Matis			Ø	Ø	Ø	Ø	Ø	
Mayoruna			Ø	Ø	Ø	Ø	Ø	
Poyanawa			Ø	Ø	Ø	Ø	Ø	
Shanenawa			Ø	Ø	Ø	Ø	Ø	
Sharanawa			Ø	Ø	Ø	Ø	Ø	
ShipiboKonibo	woman, wife	0	?	a	i	β	o	
Yaminawa			Ø	Ø	Ø	Ø	Ø	
Yawanawa			Ø	Ø	Ø	Ø	Ø	
Fuzzy			?:100	a:90 a.w:10	i:100	β:100	o:100	
ProtoPanoan			?	a	w	i	β	o

## COGID 167 / «you (pl.)»

language	concept	pos	S1	S2	S3	S4
Amawaka	you (pl.)	0	m	a	-	-
Chakobo	you (pl.)	0	m	a	t	o



language	concept	pos	S1	S2	S3	S4
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø
Kapanawa	you (pl.)	0	m	a	t	o
Katukina			Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	you (pl.)	0	m	a	-	-
Korubo			Ø	Ø	Ø	Ø
Marinawa	you (pl.)	0	m	a	-	-
Marubo			Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø
ShipiboKonibo	you (pl.)	0	m	a	t	o
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø
Fuzzy			m:100	a:100	t:80 ʔ:20	o:90 ʔ:10
ProtoPanoan			m	a	t	o