Fuzzy Reconstructions

Confused Sounds

sound A	sound B	occurrences	cognate sets
-	r^n	35	132 132 247 122 179 87 423 423 319 457 490 65 265 72 70 242 195 339 320 275 439 439 397 129 285 126 431 2 259 388 64 322 71 514 514
-	a	35	365 24 423 103 217 113 292 292 359 11 467 76 266 441 256 486 430 89 72 161 404 367 97 242 68 461 299 2 252 392 418 194 383 478 166
-	i	27	77 107 55 30 99 99 507 469 296 38 149 70 70 44 45 263 436 461 461 305 304 228 228 2 202 83 92
-	ɨ	21	85 24 423 80 55 89 89 242 68 399 346 346 177 461 496 2 2 64 478 284 284
-	ʔ	18	257 69 104 24 24 243 119 318 318 404 515 378 395 289 216 487 19 517
r^n	n	17	132 247 445 357 336 87 490 490 229 332 430 149 386 439 493 259 484
-	o	17	276 77 423 217 502 371 452 106 106 184 291 282 97 242 321 126 167
-	n	16	132 233 247 87 251 490 467 298 415 399 439 228 236 259 368 358
-	k	13	140 103 502 268 286 76 65 486 404 228 2 1 348
-	t^r	12	331 4 199 251 11 332 301 346 299 287 487 368
r^n	~	11	122 87 220 291 124 372 72 482 285 58 514
-	t	11	18 77 319 319 440 442 502 404 436 287 370
a	ɨ	9	24 423 454 89 161 68 458 2 478
-	~	7	122 437 72 25 275 285 514
t	t^r	6	515 495 503 241 287 284
-	r	6	233 149 174 174 439 439
o	a	5	217 406 97 242 321

sound A	sound B	occurrences	cognate sets
n	r	5	233 149 439 115 115
r^n	m	4	416 5 488 259
i	ɨ	4	55 168 461 2
-	ʈ	4	301 175 299 148
-	w	4	24 237 99 429
-	m	4	467 415 72 367
r^n	r	3	149 439 439
n	m	3	467 415 97
-	-.t^r	3	11 137 137
t^r	ʈ	2	301 495
t	ʔ	2	12 167
s	s.i	2	263 304
r^n	k	2	65 72
n	t^r	2	251 368
k	k^w	2	112 291
-	tʃ	2	304 304
-	ts	2	45 68
β	β.ɨ.k	1	454
ʔ	ʔ.o	1	361
ʔ	w	1	24
ʔ	t^r	1	516
ʔ	ts	1	68
ʃ	ʃ.i	1	107
ʂ	ʂ.a	1	449
ɨ	ɨ.ʔ	1	156
ɨ	ɨ.n	1	236
~	m	1	26
t	ʈ	1	495
s	ʔ	1	68
s	ts	1	68
s	s.t	1	18
r^n	ʔ	1	242
r^n	t	1	319
r	k.ɨ.r	1	161
r	k	1	161
r	j	1	161
o	o.ʔ	1	515
o	o.t	1	135
o	o.o	1	462
o	i	1	77
n	t	1	147

sound A	sound B	occurrences	cognate sets
k.ɨ.r	j	1	161
k	k.ɨ.r	1	161
k	j	1	161
i	i.ʃ	1	52
i	i.tʳ	1	199
i	i.n	1	92
i	i.k	1	471
i	a	1	266
a	a.ʔ	1	69
a	a.tʳ	1	11
a	a.n	1	363
a	a.k	1	103
a	-.tʳ	1	11
-	ʃ	1	52
-	ʂ	1	85
-	ɨ.k	1	454
-	k.o	1	286
-	i.n	1	92
-	h	1	461
-	a.k	1	103
-	-.t	1	135
-	-.n	1	91
-	-.k	1	486
-	-.a	1	266

Individual Alignments with Fuzzy Reconstructions

COGID 132 / «above»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	above	0	m	a	n	a	~	-	-	-	-
Chakobo	above	0	m	a	n	a	-	-	-	-	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	above	0	m	a	n	a	~	-	-	-	-
Kapanawa	above	0	m	a	n	-	-	-	a	n	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	above	0	m	a	~.n	a	~	-	-	-	-

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	above	0	m	a	~.n	a	~	k	i	r	i
Marubo	earth	0	m	a	n	a	~	-	-	-	-
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	above	0	m	a	n	-	n	-	a	n	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	above	0	m	a	n	a	-	-	u	n	-
Sharanawa	above	0	m	a	n	a	n	-	u	n	-
ShipiboKonibo	above	0	m	a	n	a	~	-	-	-	-
Yaminawa	above	0	m	a	n	a	~	-	o	-	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			m:100	a:100	r^n:100	a:100	-:50¦r^n:30¦n:20	-:100	-:100	-:70¦r^n:30	-:100
Proto-Panoan			m	a	r^n	a	r^n				

COGID 233 / «red»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	red	0	w	i	-	ʃ	i	-	-	-
Chakobo	red	0	-	-	-	ʃ	i	n	-	i
Chaninawa	red	0	-	o	-	ʂ	i	-	-	-
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	red	0	h	o	-	ʃ	i	n	-	-
Katukina	red	0	-	o	~.ŋ	ʒ	i	ʔ	-	-
Kaxarari	red	0	p	ɯ	-	ʂ	ɨ	-	-	-
Kaxinawa	red	0	h	u	-	ʃ	i	-	-	-
Korubo	achiote	0	-	-	-	ʃ	i	n	t	e
Marinawa	red	0	-	o	-	ʃ	i	-	-	-
Marubo	red	0	-	u	~	ʃ	i	~	g	a
Matis	yellow	0	-	-	-	ʃ	i	n	-	-
Mayoruna	red	0	-	-	-	ʃ	i	n	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	red	0	-	u	-	ʂ	i	n	-	-
Sharanawa	red	0	-	o	-	ʃ	i	n	-	-
ShipiboKonibo	red	0	h	o	-	ʃ	i	-	-	-
Yaminawa	red	0	-	o	-	ʃ	i	-	-	~
Yawanawa	red	0	-	u	-	ʃ	i	-	-	~
Fuzzy			h:100	o:100	-:100	ʃ:100	i:100	-:50¦n:30¦r:20	-:100	-:100

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Proto-Panoan			h	o	ʃ	i	n			

COGID 247 / «yellow»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	yellow	0	p	a	ʃ	i	-	-	-
Chakobo	red	0	-	-	ʃ	i	n	-	i
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	yellow	0	p	a	ʃ	i	-	~	a
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	yellow	0	-	-	ʃ	i	n	-	i
Kaxinawa	yellow	0	p	a	ʃ	i	-	-	-
Korubo	achiote	0	-	-	ʃ	i	n	t	e
Marinawa	yellow	0	p	a	ʃ	i	-	-	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	yellow	0	-	-	ʃ	i	n	-	-
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa	yellow	0	p	a	ʃ	i	-	-	~
Shanenawa	yellow	0	p	a	ʂ	i	n	-	-
Sharanawa	yellow	0	p	a	ʂ	i	-	-	-
ShipiboKonibo	yellow	0	p	a	ʃ	i	-	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	yellow	0	p	a	ʃ	i	n	-	-
Fuzzy			p:100	a:100	ʃ:100	i:100	n:80¦rⁿ:10¦-:10	-:100	-:100
Proto-Panoan			p	a	ʃ	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

language	concept	pos	S1	S2	S3	S4	S5	S6
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	r^n:60¦n:40
Proto-Panoan			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
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

language	concept	pos	S1	S2	S3	S4	S5
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			ts:100	i:100	s:90¦s.t:10	-:80¦t:20	o:100
Proto-Panoan			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
Yawanawa	animal horn	0	m	a	-	tʃ	a	n
Fuzzy			m:100	a:100	r^n:50¦~:30¦-:20	tʃ:100	a:100	r^n:100
Proto-Panoan			m	a	~	tʃ	a	r^n

COGID 276 / «ankle»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	ankle	0	h	o	p	o	x	k	o
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa	ankle	0	-	o	p	o	ʃ	k	o
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	ankle	0	t	a	p	o	ʃ	k	o
Katukina	ankle	0	t	a	p	u	ṣ	k	u
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	ankle	0	h	u	p	u	ʃ	k	u
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	ankle	0	-	o	p	o	ṣ	k	o
Marubo	ankle	0	t	a	p	u	ṣ	-	ɨ
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	ankle	0	-	o	p	o	ṣ	k	o
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yaminawa	ankle	0	-	o	p	o	ṣ	k	o
Yawanawa	ankle	0	-	u	p	u	ʃ	k	u
Fuzzy			-:100	-:80¦o:20	p:100	o:100	ṣ:100	k:100	o:100
Proto-Panoan			p	o	ṣ	k	o		

COGID 77 / «bow»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
Amawaka	bow	0	p	i	j	a	k	a	~	-	t	-	-	i
Chakobo	bow	0	-	-	-	-	k	a	n	a	t	-	-	i
Chaninawa	bow	0	-	-	-	-	k	a	-	-	t	-	-	i
Kakataibo	bow	0	-	-	-	-	k	a	~	-	t	-	-	i
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Katukina	bow	0	-	-	-	-	k	a	n	-	t	-	-	i
Kaxarari	bow	0	-	-	-	-	k	ɐ	n	a	t	a	ɦ	i
Kaxinawa	bow	0	-	-	-	-	k	a	n	-	-	-	-	u
Korubo	blowgun	0	-	-	-	-	k	a	n	-	-	-	-	o
Marinawa	bow	0	-	-	-	-	k	a	-	-	t	-	-	i
Marubo	arrow	0	-	-	-	-	k	a	~	-	t	-	-	i
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	bow	0	-	-	-	-	k	a	n	-	-	-	-	o

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language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	bow	0	-	-	-	-	k	a	n	a	t	-	-	i
Sharanawa	bow	0	-	-	-	-	k	a	-	-	t	-	-	i
ShipiboKonibo	bow	0	-	-	-	-	k	a	n	o	t	-	-	i
Yaminawa	bow	0	-	-	-	-	k	a	-	-	t	-	-	i
Yawanawa	bow	0	p	i	-	a	k	a	n	i	t	-	-	i
Fuzzy			-:100	-:100	-:100	-:100	k:100	a:100	n:100	:100	t:60¦-:40	-:100	-:100	o:70¦i:20¦-:10
Proto-Panoan			k	a	n	o								

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	?	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	-:90¦?:10	a:100
Proto-Panoan			p	i	a	

COGID 112 / «ash, gray»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	ash, gray	0	k	o	-	-	-	r	o
Chakobo	ash, gray	0	k	o	-	-	-	r	o
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	ash, gray	0	kʷ	e	e	k	o	r	o
Kapanawa	ash, gray	0	k	o	-	-	-	r	o
Katukina	ash, gray	0	k	u	-	-	-	r	u
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	ash, gray	0	k	u	-	-	-	d	u
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	ash, gray	0	k	o	-	-	-	r	o
Marubo	ash, gray	0	k	o	-	-	-	r	o
Matis	ash, gray	0	k	u	-	-	-	ɾ	u
Mayoruna	ash, gray	0	k	u	-	-	-	ɾ	u
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	ash, gray	0	k	o	-	-	-	r	o
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	night, dark	0	k	u	-	-	-	r	u
Fuzzy			k:90¦kʷ:10	o:100	-:100	-:100	-:100	ɾ:100	o:100
Proto-Panoan			k	o	ɾ	o			

COGID 140 / «clay, dust»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	clay, dust	0	-	-	-	m	a	p	o	-	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
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Kaxarari	ash, gray	0	-	-	-	m	a	p	u	ʔ	u
Kaxinawa	clay, dust	0	-	-	-	m	a	p	-	-	u
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	clay, dust	0	-	-	-	m	a	p	-	-	o
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	fire powder	0	i	s	i	s	a	p	u	k	-
Poyanawa			Ø	Ø	Ø	Ø	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	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			-:100	-:100	-:100	m:100	a:100	p:100	-:100	-:80¦k:20	o:100
Proto-Panoan			m	a	p	o	k				

COGID 147 / «atop»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	atop	0	m	a	x	k	a	-	a	-
Chakobo	atop	0	m	a	ṣ	k	a	tʃ	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	head	0	m	a	ṣ	k	a	-	-	-
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	atop	0	m	a	ṣ	k	a	-	-	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Mayoruna	atop	0	m	a	ṣ	k	a	d	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	atop	0	m	a	ṣ	k	a	n	a	n
ShipiboKonibo	atop	0	m	a	ṣ	k	a	-	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			m:100	a:100	ṣ:100	k:100	a:100	t:90¦n:10	-:100	-:100
Proto-Panoan			m	a	ṣ	k	a	t		

COGID 69 / «back»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	back	0	k	a	-	t	-	-	ɨ	-
Chakobo	back	0	k	a	-	t	-	-	ɨ	-
Chaninawa	back	0	k	a	-	t	-	-	ɨ	-
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	back	0	k	a	ʔ	t	-	-	ɨ	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	back	0	k	a	-	t	a	p	u	-
Kaxinawa	back	0	k	a	-	t	-	-	ɨ	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	back	0	k	a	-	t	-	-	ɨ	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	back	0	k	a	-	ṣ	u	k	u	-
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa	back	0	k	a	-	t	ɨ	h	a	w
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	back	0	k	a	-	t	-	-	ɨ	-
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yaminawa	back	0	k	a	-	t	-	-	ɨ	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			k:100	a:90¦a.:10	ʔ:70¦-:30	t:100	-:100	-:100	ɨ:100	-:100
Proto-Panoan			k	a	ʔ	t	ɨ			

COGID 85 / «back (body-part prefix)»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	back (body-part prefix)	0	k	a	t	ɨ	x	a	o
Chakobo	back (body-part prefix)	0	k	a	ʂ	-	-	-	o
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	back	0	k	a	ʂ	-	-	-	o
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Katukina	back (body-part prefix)	0	k	a	ʃ	-	-	-	u
Kaxarari	back (body-part prefix)	0	k	a	ʃ	a	h	-	o
Kaxinawa	back (body-part prefix)	0	k	a	ʂ	a	ʂ	-	u
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	back (body-part prefix)	0	k	a	ʂ	a	ʂ	-	o
Marubo	back (body-part prefix)	0	k	a	ʃ	-	-	-	o
Matis	back	0	k	a	ʂ	u	k	-	u
Mayoruna	back (body-part prefix)	0	k	a	ʂ	-	-	-	u
Poyanawa	back (body-part prefix)	0	k	a	h	-	k	-	u
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	back (body-part prefix)	0	k	a	t	ɨ	ʂ	a	o
ShipiboKonibo	back (body-part prefix)	0	k	a	ʂ	-	-	-	o

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			k:100	a:100	-:80¦ṣ:20	-:90¦ɨ:10	-:100	-:100	o:100
Proto-Panoan			k	a					

COGID 331 / «bark of tree, skin»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	bark of tree, skin	0	-	-	-	x	a	k	a	-	a
Chakobo	bark of tree, skin	0	-	-	-	ṣ	a	k	a	t	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	bark of tree, skin	0	-	-	-	ṣ	a	k	-	-	a
Kapanawa	bark of tree, skin	0	-	-	-	ṣ	a	k	-	-	a
Katukina	bark of tree, skin	0	-	-	-	ṣ	a	k	-	-	a
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	bark of tree, skin	0	-	-	-	ṣ	a	k	-	-	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	clarity	0	-	-	-	ṣ	a	k	-	-	a
Marubo	bark of tree, skin	0	i	w	i	ʃ	a	k	-	-	a
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa	bark of tree, skin	0	-	-	-	h	a	k	-	-	a
Shanenawa	bark of tree, skin	0	-	-	-	ṣ	a	k	-	-	a
Sharanawa	bark of tree, skin	0	-	-	-	ṣ	a	k	-	-	a
ShipiboKonibo	bark of tree, skin	0	-	-	-	ṣ	a	k	-	-	a
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Fuzzy			-:100	-:100	-:100	ʂ:100	a:100	k:100	-:100	tʳ:50¦-:50	a:100
Proto-Panoan			ʂ	a	k	a	tʳ				

COGID 365 / «to peel»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	to peel	0	-	-	x	o	k	a	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to peel	0	-	-	ʂ	o	k	a	-
Kapanawa	to peel	0	-	-	ʂ	o	k	a	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	to peel	0	-	-	ʃ	u	k	a	-
Kaxinawa	to peel	0	-	-	ʂ	u	k	a	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	bark of tree, skin	0	-	-	ʂ	o	k	a	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	to peel	0	ʂ	u	k	a	k	i	n
Mayoruna	to peel	0	b	i	ʃ	u	k	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	to peel	0	-	-	ʂ	o	k	a	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			-:100	-:100	ʂ:100	o:100	k:100	a:90¦-:10	-:100
Proto-Panoan			ʂ	o	k	a			

COGID 104 / «firefly»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chakobo	firefly	0	k	o	-	k	i	n	a

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	firefly	0	k	o	-	k	-	-	i
Kapanawa	firefly	0	k	o	ʔ	k	i	ʃ	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	firefly	0	k	u	-	k	i	ʃ	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	firefly	0	k	u	-	k	u	ʂ	-
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	firefly	0	k	o	-	k	o	ʂ	-
ShipiboKonibbat		0	k	o	-	k	i	ʃ	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			k:100	o:100	ʔ:90¦-:10	k:100	i:100	ʃ:100	-:100
Proto-Panoan			k	o	k	i	ʃ		

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	bat	0	k	o	k	o	ʃ.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	

language	concept	pos	S1	S2	S3	S4	S5	S6
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	-:90¦i:10
Proto-Panoan			k	o	k	o	ʃ	i

COGID 4 / «bee wax»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	bee wax	0	w	o	-	-	-	w	i
Chakobo	bee wax	0	β	o	i	tʃ	-	-	o
Chaninawa			ø	ø	ø	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	ʃ	u	m	a
Kaxarari			ø	ø	ø	ø	ø	ø	ø
Kaxinawa	bee wax	0	b	u	i	-	-	-	-
Korubo			ø	ø	ø	ø	ø	ø	ø
Marinawa	bee wax	0	ɸ	o	i	-	-	-	-
Marubo			ø	ø	ø	ø	ø	ø	ø
Matis			ø	ø	ø	ø	ø	ø	ø
Mayoruna	bee wax	0	b	u	i	d	-	-	-
Poyanawa			ø	ø	ø	ø	ø	ø	ø
Shanenawa			ø	ø	ø	ø	ø	ø	ø
Sharanawa			ø	ø	ø	ø	ø	ø	ø
ShipiboKonibo	species of tree (Phyllanthaceae)	0	β	o	i	-	-	-	-
Yaminawa			ø	ø	ø	ø	ø	ø	ø
Yawanawa	bee wax	0	m	u	i	ʃ	u	m	a
Fuzzy			β:100	o:100	i:100	tʳ:90¦-:10	-:100	-:100	-:100
Proto-Panoan			β	o	i	tʳ			

COGID 179 / «below, under»

language	concept	pos	S1	S2	S3	S4	S5	S6
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	
ShipiboKonibo	below, under	0	n	a	m	a	~	
Yaminawa	below, under	0	n	a	m	a	~	
Yawanawa	below, under	0	n	ɨ	m	ɨ	r.i	
Fuzzy			r^n:100	a:100	m:100	a:100	r^n:70¦- :30	-:100
Proto-Panoan			n	a	m	a		

COGID 357 / «benefactive»

language	concept	pos	S1	S2	S3
Amawaka	benefactive	0	x	o	~
Chakobo			Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø
Kakataibo	benefactive	0	ş	o	~
Kapanawa	benefactive	0	ş	o	n
Katukina	benefactive	0	ş	u	~
Kaxarari			Ø	Ø	Ø
Kaxinawa	benefactive	0	ş	u	-
Korubo	benefactive	0	ʃ	u	n
Marinawa	benefactive	0	ş	o	~
Marubo	benefactive	0	ş	o	-
Matis	benefactive	0	ş	u	n
Mayoruna			Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø
Shanenawa	benefactive	0	ş	u	n
Sharanawa	benefactive	0	ş	o	n
ShipiboKonibo	benefactive	0	ş	o	~
Yaminawa	benefactive	0	ş	o	n
Yawanawa	benefactive	0	ʃ	u	n
Fuzzy			ş:100	o:100	r^n:90¦n:10
Proto-Panoan			ş	o	r^n

COGID 336 / «big»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chakobo	big	0	ʔ	a	n	i	h	ɨ	n	ɨ	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	cabybara	0	ʔ	a	n	i	-	-	-	-	-
Kapanawa	big	0	ʔ	a	n	i	-	-	-	-	-
Katukina	big	0	-	a	n	i	p	-	-	a	-
Kaxarari	big	0	l	a	k	i	ɦ	a	-	i	-
Kaxinawa	big	0	-	a	n	i	b	-	-	u	-
Korubo	small	0	-	a	n	i	m	a	ts	ɨ	k
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marubo	big	0	-	a	n	i	-	-	-	-	-
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	big	0	-	a	n	i	-	-	-	a	-
Poyanawa	big	0	-	a	d	i	β	-	-	u	-
Shanenawa	big	0	-	a	n	i	h	-	-	u	-

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Sharanawa	big	0	-	a	n	i	ɸ	-	-	o	-
ShipiboKonibo	big	0	ʔ	a	n	i	-	-	-	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	old	0	-	a	n	i	h	-	-	u	-
Fuzzy			ʔ:100	a:100	n:90¦r^n:10	i:100	-:100	-:100	-:100	-:100	-:100
Proto-Panoan			ʔ	a	n	i					

COGID 24 / «big»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12
Amawaka	big	0	-	ʔ	a	-	-	-	-	-	-	-	-	-
Chakobo	big	0	-	h	a	ʔ	-	-	-	ɨ	w	a	-	-
Chaninawa	big	0	ɨ	w	a	p	-	-	-	-	-	-	-	a
Kakataibo	big	0	-	ʔ	i	-	-	-	-	-	-	ɔ	-	-
Kapanawa	big	0	-	-	a	ʔ	-	-	-	-	w	a	n	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	big	0	-	-	-	-	-	-	-	ɨ	w	a	-	-
Korubo	many	0	-	-	-	-	-	-	-	i	w	a	-	-
Marinawa	big	0	ɨ	w	a	p	-	-	-	-	-	-	-	a
Marubo	big	0	-	k	a	p	-	ɨ	t	ɨ	w	-	-	a
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa	old	0	-	-	-	-	-	-	-	i	w	a	-	-
Shanenawa	big	0	ɨ	w	a	p	-	-	-	-	-	-	-	a
Sharanawa	big	0	ɨ	w	a	p	-	-	-	-	-	-	-	a
ShipiboKonibo	big	0	-	ʔ	ɨ	-	-	-	-	-	w	a	-	-
Yaminawa	big	0	ɨ	ɸ	a	p	a	ɨ	ɸ	a	p	a	n	ã
Yawanawa	big	0	i	w	a	p	-	-	-	-	-	-	-	a
Fuzzy			-:100	-:50¦ʔ:40¦w:10	a:70¦i:30	ʔ:60¦w:40	-:100	-:100	-:100	-:90¦ɨ:10	w:100	a:60¦ɨ:40	n:100	-:100
Proto-Panoan			ʔ	ɨ	w	a								

COGID 87 / «bowl, plate»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	bowl, plate	0	k	ɨ	~	tʃ	a	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	bowl, plate	0	k	ɨ	~	tʃ	a	-
Kapanawa	bowl, plate	0	k	ɨ	n	tʃ	a	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	bowl, plate	0	k	ɨ	~	tʃ	a	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	bowl, plate	0	k	ɨ	-	tʃ	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	bowl, plate	0	k	ɨ	-	tʃ	a	n
ShipiboKonibo	bowl, plate	0	k	ɨ	~	tʃ	a	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			k:100	ɨ:100	~:50¦rⁿ:50	tʃ:100	a:100	-:80¦rⁿ:10¦n:10
Proto-Panoan			k	ɨ	~	tʃ	a	n

COGID 423 / «igarapé»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	igarapé	0	w	ɨ	a	n	ʔ	a	n	i
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
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	branch of tree	0	w	ɨ	a	-	-	-	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			w:100	ɨ:100	a:100	-:70¦rⁿ:30	-:100	-:60¦a:30¦ɨ:10	-:90¦rⁿ:10	-:90¦o:10
Proto-Panoan			w	ɨ	a					

COGID 103 / «breeding, domestic animal»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	breeding, domestic animal	0	ʔ	i	n	-	-	a
Chakobo	breeding, domestic animal	0	ʔ	i	n	-	-	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	breeding, domestic animal	0	ʔ	i	n	-	-	a
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	breeding, domestic animal	0	-	i	n	a	β	ɨ
Kaxinawa	breeding, domestic animal	0	-	i	n	-	-	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			Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	breeding, domestic animal	0	-	i	n	-	-	a
ShipiboKonibo	breeding, domestic animal	0	ʔ	i	n	-	-	a
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			ʔ:100	i:100	n:100	-:100	-:90¦k:10	-:50¦a:40¦a.k:10
Proto-Panoan			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			Ø	Ø	Ø	Ø	Ø	
Kakataibo	breeze	0	n	i	β	i	-	
Kapanawa			Ø	Ø	Ø	Ø	Ø	
Katukina	wind	0	n	i	w	i	-	
Kaxarari			Ø	Ø	Ø	Ø	Ø	
Kaxinawa	breeze	0	n	i	b	i	-	
Korubo			Ø	Ø	Ø	Ø	Ø	
Marinawa	breeze	0	n	i	ɸ	i	-	
Marubo			Ø	Ø	Ø	Ø	Ø	
Matis			Ø	Ø	Ø	Ø	Ø	
Mayoruna	breeze	0	n	i	b	e	d	
Poyanawa			Ø	Ø	Ø	Ø	Ø	
Shanenawa	wind	0	n	i	f	u	-	
Sharanawa	breeze	0	n	i	w	ɨ	-	
ShipiboKonibo	breeze	0	n	i	β	i	-	
Yaminawa			Ø	Ø	Ø	Ø	Ø	
Yawanawa	wind	0	n	ɨ	-	u	-.ɨ	
Fuzzy			r^n:100	i:100	β:100	i:90¦i.t^r:10	t^r:90¦-:10	-:100
Proto-Panoan			r^n	i	β	i	t^r	

COGID 80 / «caiman»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	caiman	0	k	a	p	ɨ	-	ɨ
Chakobo	caiman	0	k	a	p	ɨ	t	ɨ
Chaninawa	caiman	0	k	a	p	-	-	ɨ
Kakataibo	caiman	0	k	a	p	-	-	ɨ
Kapanawa	caiman	0	k	a	p	-	-	ɨ
Katukina	caiman	0	k	a	p	-	-	ɨ
Kaxarari	caiman	0	k	a	p	ɨ	t	ɨ
Kaxinawa	caiman	0	k	a	p	-	-	ɨ
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	caiman	0	k	a	p	-	-	ɨ
Marubo	caiman	0	k	a	p	-	-	ɨ
Matis	caiman	0	k	a	p	ɨ	d	-
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa	caiman	0	k	a	p	-	-	ɨ
Shanenawa	caiman	0	k	a	p	-	-	ɨ
Sharanawa	caiman	0	k	a	p	-	-	ɨ
ShipiboKonibo	caiman	0	k	a	p	-	-	ɨ
Yaminawa	caiman	0	k	a	p	-	-	ɨ
Yawanawa	caiman	0	k	a	p	-	-	ɨ
Fuzzy			k:100	a:100	p:100	ɨ:90¦-:10	t:100	ɨ:100
Proto-Panoan			k	a	p	ɨ	t	

COGID 217 / «canoe»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	canoe	0	n	o	n	t	-	-	i	-
Chakobo	to swim	0	n	o	n	-	-	-	o	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	canoe	0	n	u	n	t	-	-	i	-
Kapanawa	to swim	0	n	o	n	-	-	-	a	-
Katukina	to swim	0	n	u	n	-	a	a	i	-
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Kaxinawa	to swim	0	n	u	n	-	-	-	a	-
Korubo	to swim	0	n	u	n	-	-	-	-	-
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marubo	to swim	0	n	u	n	-	-	-	a	-
Matis	to swim	0	n	u	n	k	-	-	i	n
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	to swim	0	n	u	n	-	-	-	u	-
Sharanawa	to swim	0	n	o	n	-	-	o	i	-
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^n:100	o:100	r^n:100	-:100	-:100	-:100	a:80¦o:10¦-:10	-:100
Proto-Panoan			r^n	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

language	concept	pos	S1	S2	S3	S4	S5
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^n:100	o:100	~:80¦r^n:20	t:100	i:100
Proto-Panoan			r^n	o	~	t	i

COGID 113 / «cedrela odorata»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	cedrela odorata	0	-	-	k	o	x	~	a	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	cedrela odorata	0	-	-	k	o	ş	~	a	-
Kapanawa	cedrela odorata	0	-	-	k	o	ş	-	a	n
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	cedrela odorata	0	ʃ	a	k^w	a	ş	-	a	-
Kaxinawa	cedrela odorata	0	-	-	k	u	ş	-	a	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	cedrela odorata	0	-	-	k	o	ş	-	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	cedrela odorata	0	-	-	k	u	ş	-	a	-
Sharanawa	cedrela odorata	0	-	-	k	o	ş	-	a	-
ShipiboKonibo	cedrela odorata	0	-	-	k	o	ş	~	a	-

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Yaminawa	cedrela odorata	0	-	-	k	o	ʂ	-	a	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			-:100	-:100	k:100	o:100	ʂ:100	-:90¦a:10	a:100	-:100
Proto-Panoan			k	o	ʂ	n	a			

COGID 319 / «chest (body-part prefix)»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø			
Chakobo	chest (body-part prefix)	0	ʃ	i	-	-	-	-	-	-			
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø			
Kakataibo	chest (body-part prefix)	0	ʃ	i	-	-	k	a	n	-			
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø			
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø			
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø			
Kaxinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø			
Korubo	chest (body-part prefix)	0	ʃ	i	-	-	k	-	β	u			
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø			
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø			
Matis	chest (body-part prefix)	0	ʃ	i	ʂ	a	k	e	t	e			
Mayoruna	chest (body-part prefix)	0	ʃ	i.k	d.i	a.d	k	i	d	-			
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø			

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø			
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø			
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø			
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø			
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø			
Fuzzy			∫:100	i:100	-:100	-:100	-:100	-:100	-:100	k:100	-:90¦t:10	-80¦rⁿ:10	-1:00
Proto-Panoan			∫	i	k								

COGID 440 / «city, settlement»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chakobo	city, settlement	0	j	a	k	a	-	-	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	city, settlement	0	-	a	k	a	i	ts	i
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
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			Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	city, settlement	0	j	a	k	a	-	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			j:100	a:100	k:100	a:100	-:100	t:80¦-:20	-:100
Proto-Panoan			j	a	k	a	t		

COGID 327 / «clarity»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	clarity	0	x	a	-	w	-	-	a
Chakobo	clarity	0	ʂ	a	-	β	a	k	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	clarity	0	ʂ	a	-	β	-	-	a
Kapanawa	clarity	0	ʂ	a	ʔ	β	-	-	a
Katukina	clarity	0	ʂ	a	-	β	-	-	a
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	clarity	0	ʂ	a	-	β	-	-	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	day	0	ʂ	a	-	ɸ	-	-	a
Marubo	clarity	0	ʃ	a	-	v	-	-	a
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	day	0	ʂ	a	-	w	-	-	a
Sharanawa	clarity	0	ʂ	a	-	ɸ	-	-	a
ShipiboKonibo	clarity	0	ʃ	a	-	β	-	-	a
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	day	0	ʃ	a	-	β	-	-	a
Fuzzy			ʂ:100	a:100	ʔ:100	β:100	-:100	-:100	a:100
Proto-Panoan			ʂ	a	ʔ	β	a	k	

COGID 437 / «curassow»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	curassow	0	h	a	~	s	i	~	-
Chakobo	curassow	0	h	a	-	s	i	n	i
Chaninawa			Ø	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	Ø
Kaxinawa	curassow	0	h	a	-	s	i	~	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	curassow	0	-	a	-	s	i	~	-
Marubo	curassow	0	-	a	~	s	i	~	-

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa	curassow	0	-	a	~	s	i	~	-
Shanenawa	curassow	0	-	a	-	ṣ	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	Ø
Fuzzy			h:100	a:100	-:60¦~:40	s:100	i:100	r^n:100	-:100
Proto-Panoan			h	a	~	s	i	r^n	-

COGID 442 / «dark, night»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	dark, night	0	j	a	m	ɨ	-	ɨ
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa	dark, night	0	j	a	b	ɨ	-	-
Kakataibo	night, dark	0	-	i	m	ɨ	-	-
Kapanawa	dark, night	0	j	a	m	ɨ	-	-
Katukina	night, dark	0	j	a	m	ɨ	-	-
Kaxarari	dark, night	0	j	a	m	ɨ	t	a
Kaxinawa	dark, night	0	j	a	m	ɨ	-	-
Korubo	night, dark	0	-	i	m	ɨ	t	-
Marinawa	night, dark	0	j	a	m	ɨ	-	-
Marubo	night, dark	0	j	a	m	ɨ	-	-
Matis	night, dark	0	-	i	m	ɨ	d	-
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6
Poyanawa	night, dark	0	j	a	~.v	u	-	-
Shanenawa	dark, night	0	j	a	m	ɨ	-	-
Sharanawa	dark, night	0	j	a	m	ɨ	-	-
ShipiboKonibo	dark, night	0	j	a	m	ɨ	-	-
Yaminawa	dark, night	0	j	a	m	ɨ	-	a
Yawanawa	night, dark	0	j	a	m	ɨ	-	-
Fuzzy			j:100	a:100	m:100	ɨ:100	t:80¦-:20	-:100
Proto-Panoan			j	a	m	ɨ	t	

COGID 237 / «deaf»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chakobo	deaf	0	p	a	β	ɨ	ʂ	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	deaf	0	p	a	β	ɨ	-	-	-
Kapanawa	deaf	0	p	a	β	ɨ	-	-	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	deaf	0	p	a	b	ɨ	d	u	-
Korubo	deaf	0	p	a	β	ɨ	ʃ	a	n
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
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			Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	deaf	0	p	a	β	ɨ	-	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			p:100	a:100	β:100	ɨ:100	-:90¦w:10	-:100	-:100

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language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Proto-Panoan			p	a	β	ɨ			

COGID 251 / «deaf»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	deaf	0	p	a	t	o	-
Chakobo			Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	deaf	0	p	a	t	o	-
Kapanawa			Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	deaf	0	p	a	t	u	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	deaf	0	p	a	t	o	-
Marubo			Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna	deaf	0	p	a	t	u	d
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	deaf	0	p	a	t	o	-
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			p:100	a:100	t:100	o:100	-:80¦tʳ:10¦n:10
Proto-Panoan			p	a	t	o	t

COGID 243 / «ear ornament, earring»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	ear ornament, earring	0	p	a	-	o	-	-
Chakobo	ear ornament, earring	0	p	a	ʔ	o	k	i
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	ear ornament, earring	0	p	a	-	u	-	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis	ear ornament, earring	0	p	a	-	u	d	-
Mayoruna	ear ornament, earring	0	p	a	-	u	d	-
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			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			p:100	a:100	ʔ:90¦-:10	o:100	t:100	-:100
Proto-Panoan			p	a	ʔ	o	t	

COGID 55 / «edge, lips»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chakobo	edge, lips	0	k	ɨ	β	-	-	i	tʃ	-	-	i
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	edge, lips	0	kʷ	ɨ	b	-	-	-	-	-	-	i
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	edge, lips	0	k	ɨ	b	-	-	i	tʃ	-	-	i
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	edge, lips	0	kʷ	i	b	-	-	-	-	-	-	i
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	edge, lips	0	k	u	ɸ	i	r	i	s	i	k	a
ShipiboKonibo	edge, lips	0	k	ɨ	β	-	-	-	-	-	-	i
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			kʷ:100	ɨ:100	β:100	-:100	-:100	-:80¦i:10¦i:10	-:100	-:100	-:100	i:100
Proto-Panoan			kʷ	ɨ	β	i						

COGID 406 / «to impregnate, to give birth»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	to impregnate, to give birth	0	t	o	ʔ	-	-	o
Chakobo	to impregnate, to give birth	0	t	o	ʔ	o	j	a
Chaninawa	egg	0	t	o	-	-	-	o
Kakataibo	to impregnate, to give birth	0	t	o	-	-	-	a
Kapanawa	to impregnate, to give birth	0	t	o	ʔ	-	-	o
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to impregnate, to give birth	0	t	u	-	-	j	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	to impregnate, to give birth	0	t	o	-	-	-	-
Marubo	to impregnate, to give birth	0	t	o	-	-	j	a
Matis	egg	0	t	u	-	-	-	-
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø

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language	concept	pos	S1	S2	S3	S4	S5	S6
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	to impregnate, to give birth	0	t	o	-	-	-	-
ShipiboKonibo	to impregnate, to give birth	0	t	o	-	-	-	o
Yaminawa	to impregnate, to give birth	0	t	o	-	-	-	o
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			t:100	o:100	ʔ:100	-:100	-:100	o:90¦a:10
Proto-Panoan			t	o	ʔ	o		

COGID 502 / «forehead, face»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	forehead, face	0	w	ɨ	m	a	-	k	o
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa	face	0	ɸ	ɨ	t	o	-	k	o
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	face	0	β	ɨ	t	o	n	k	o
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	face	0	b	ɨ	t	u	-	k	u
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
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	face	0	β	ɨ	t	u	h	k	u
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	face	0	β	ɨ	t	o	n	k	o
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			β:100	ɨ:100	-:90¦t:10	-:100	-:100	-:70¦k:30	o:80¦-:20
Proto-Panoan			β	ɨ					

COGID 268 / «faeces»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	faeces	0	p	o	ʔ	-	-	-	-	i
Chakobo	faeces	0	p	o	ʔ	-	-	-	-	i
Chaninawa	faeces	0	p	o	-	-	-	-	-	i
Kakataibo	faeces	0	p	o	-	-	-	-	-	i
Kapanawa	faeces	0	p	o	ʔ	-	-	-	-	i
Katukina	faeces	0	p	u	-	-	-	-	-	i
Kaxarari	faeces	0	p	u	j	-	k	i	l	i
Kaxinawa	faeces	0	p	u	-	-	-	-	-	i
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	faeces	0	p	o	-	-	-	-	-	i
Marubo	faeces	0	p	o	-	-	-	-	-	i
Matis	faeces	0	p	u	-	-	-	-	-	i
Mayoruna	faeces	0	p	u	-	i	k	o	n	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	faeces	0	p	o	-	-	-	-	-	i
ShipiboKonibo	faeces	0	p	o	-	-	-	-	-	i
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	faeces	0	p	u	j	-	k	-	-	i
Fuzzy			p:100	o:100	ʔ:100	-:100	-:80¦k:20	-:100	-:100	i:100
Proto-Panoan			p	o	ʔ	i				

COGID 363 / «fat»

language	concept	pos	S1	S2	S3	S4
Amawaka	fat	0	x	o	w	a
Chakobo	fat	0	ṣ	o	-	a
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø
Kapanawa	fat	0	ṣ	o	-	a
Katukina			Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	fat	0	ṣ	u	-	a
Korubo			Ø	Ø	Ø	Ø
Marinawa	fat	0	ṣ	o	-	a

language	concept	pos	S1	S2	S3	S4
Marubo			Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa	fat	0	ş	u	-	a
Sharanawa	fat	0	ş	o	-	a
ShipiboKonibo	fat	0	ş	o	-	a
Yaminawa	fat	0	ş	o	-	a
Yawanawa	fat	0	ş	u	-	a
Fuzzy			ş:100	o:100	-:100	a:60¦a.n:40
Proto-Panoan			ş	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
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	ɸ	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

language	concept	pos	S1	S2	S3	S4
Yawanawa	swidden field for agriculture	0	w	a	i	-
Fuzzy Proto-Panoan			β:100 β	a:100 a	i:90¦i.k:10 i	-:100 k

COGID 30 / «fire powder»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Amawaka	fire powder	0	tʃ	i	ʔ	i	m	a	p	-	-	o
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa	fire powder	0	-	-	-	-	b	a	p	-	-	o
Kakataibo	fire powder	0	tʃ	i	-	-	m	a	p	-	-	o
Kapanawa	fire powder	0	tʃ	i	ʔ	i	m	a	p	-	-	o
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	fire powder	0	-	-	-	-	m	a	p	ɯ	ʔ	ɯ
Kaxinawa	fire powder	0	tʃ	i	-	-	m	a	p	-	-	u
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	fire powder	0	tʃ	i	-	-	m	a	p	-	-	o
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	fire powder	0	tʃ	i	s	-	m	a	p	u	k	-
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Shanenawa	fire powder	0	-	-	-	-	m	a	p	-	-	u
Sharanawa	fire powder	0	-	-	-	-	m	a	p	-	-	o
ShipiboKonibo	fire powder	0	tʃ	i	-	i	m	a	p	-	-	o
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			tʃ:100	i:100	ʔ:100	-:70¦i:30	m:100	a:100	p:100	-:100	-:100	o:100
Proto-Panoan			tʃ	i	ʔ	i	m	a	p	o		

COGID 119 / «species of fish»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	species of fish	0	m	a	ʔ	i	~	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	species of fish	0	m	a	-	i	~	-
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	fish	0	m	a	-	i	l	ɣ
Kaxinawa	species of fish	0	m	a	-	i	-	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	species of fish	0	m	a	-	i	~	-
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	species of fish	0	m	a	-	i	n	-

language	concept	pos	S1	S2	S3	S4	S5	S6
ShipiboKonibo	species of fish	0	m	a	-	i	~	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			m:100	a:100	ʔ:70¦-:30	i:100	r:100	-:100
Proto-Panoan			m	a	ʔ	i	r	

COGID 457 / «species of fish»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	species of fish	0	j	o	m	a	-
Chakobo			Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	species of fish	0	-	o	m	a	-
Kapanawa			Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of fish	0	j	u	m	a	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	species of fish	0	j	o	m	a	-
Marubo			Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa	fish	0	j	u	m	a	~
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	species of fish	0	j	o	m	a	-
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa	fish	0	j	u	m	a	-
Fuzzy			j:100	o:100	m:100	a:100	-:90¦r^n:10
Proto-Panoan			j	o	m	a	

COGID 490 / «yam»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	yam	0	w	ɨ	m	a	n	a	~
Chakobo	forehead, face	0	β	ɨ	m	a	n	a	-
Chaninawa	forehead, face	0	ɸ	ɨ	m	a	n	a	-
Kakataibo	forehead, face	0	β	ɨ	m	a	n	a	-
Kapanawa	forehead, face	0	β	ɨ	m	a	n	a	-
Katukina	forehead, face	0	β	ɨ	m	ɐ	n	a	-
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	forehead, face	0	b	ɨ	m	a	n	a	~
Korubo	forehead, face	0	β	ɨ	m	a	n	a	n
Marinawa	forehead, face	0	ɸ	ɨ	m	a	n	a	~
Marubo	forehead, face	0	β	ɨ	m	a	n	ɨ	-
Matis	forehead, face	0	b	ɨ	m	a	n	a	n
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	forehead, face	0	f	u	m	a	n	a	-
Sharanawa	forehead, face	0	ɸ	ɨ	m	a	n	a	n
ShipiboKonibo	forehead, face	0	β	ɨ	m	a	n	a	n
Yaminawa	forehead, face	0	ɸ	ɨ	m	a	n	a	~
Yawanawa	forehead, face	0	β	ɨ	m	a	n	ɐ	~
Fuzzy			β:100	ɨ:100	m:100	a:100	rⁿ:80¦n:20	a:100	n:80¦rⁿ:10¦-:10
Proto-Panoan			β	ɨ	m	a	n	a	n

COGID 292 / «fresh water»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chakobo	fresh water	0	h	ɨ	n	ɨ	p	a	ʂ	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	fresh water	0	ʔ	o	~	-	p	a	ʂ	-
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	fresh water	0	-	u	~	-	p	a	ʂ	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marubo	fresh water	0	w	a	k	a	p	a	ʃ	a
Matis	new	0	-	u	m	a	p	a	ʃ	a
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	fresh water	0	ʔ	o	~	-	p	a	ʂ	-
Yaminawa	fresh water	0	-	o	~	-	p	a	ʂ	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			ʔ:100	o:100	m:100	a:80¦-:20	p:100	a:100	ʂ:100	a:90¦-:10
Proto-Panoan			ʔ	o	m	a	p	a	ʂ	a

COGID 373 / «fur»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	fur	0	x	o	p	o	
Chakobo	fur	0	ʂ	o	p	o	
Chaninawa			Ø	Ø	Ø	Ø	
Kakataibo	fur	0	ʂ	o	p	o	
Kapanawa	fur	0	ʂ	o	p	o	
Katukina			Ø	Ø	Ø	Ø	
Kaxarari			Ø	Ø	Ø	Ø	

language	concept	pos	S1	S2	S3	S4	S5
Kaxinawa	fur	0	ʂ	u	p	u	
Korubo			Ø	Ø	Ø	Ø	
Marinawa	fur	0	ʂ	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	ʂ	o	p	o	
ShipiboKonibo	fur	0	ʂ	o	p	o	
Yaminawa			Ø	Ø	Ø	Ø	
Yawanawa			Ø	Ø	Ø	Ø	
Fuzzy			ʂ:100	o:100	p:100	o:100	
Proto-Panoan			ʂ	o	p	o	tʳ

COGID 454 / «sorcerer»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	sorcerer	0	j	o	w	ɨ	ɨ	
Chakobo	sorcerer	0	j	o	β	-	ɨ	
Chaninawa			Ø	Ø	Ø	Ø	Ø	
Kakataibo			Ø	Ø	Ø	Ø	Ø	
Kapanawa	sorcerer	0	j	o	β	-	ɨ	
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	sorcerer	0	j	o	ɸ	-	ɨ	
Marubo	ghost	0	j	o	v	-	ɨ	
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	sorcerer	0	j	o	β	-	ɨ	
Yaminawa			Ø	Ø	Ø	Ø	Ø	
Yawanawa			Ø	Ø	Ø	Ø	Ø	
Fuzzy			j:100	o:100	β:70¦β.ɨ.k:30	ɨ.k:70¦-:30	ɨ:90¦a:10	

language	concept	pos	S1	S2	S3	S4	S5	S6
Proto-Panoan			j	o	β	ɨ	k	a

COGID 318 / «good, well»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	good, well	0	ʃ	a	r	-	-	-	-	a
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa	good, well	0	ʃ	a	r	-	-	-	-	a
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	good, well	0	ʃ	a	r	-	-	-	-	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	good, well	0	ʂ	a	r	-	-	-	-	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	good, well	0	ʂ	a	ɾ	a	k	a	p	a
Sharanawa	good, well	0	ʃ	a	r	-	-	-	-	a
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yaminawa	good, well	0	ʃ	a	r	-	-	-	-	a
Yawanawa	good, well	0	ʃ	a	ɾ	a	k	a	p	a
Fuzzy			ʃ:100	a:100	ɽ:100	-:90¦ʔ:10	-:100	-:90¦ʔ:10	-:100	a:100
Proto-Panoan			ʃ	a	ɽ	a				

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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	ʈʂ	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			ʈʂ:100	a:100	~:90¦m:10	p:100	o:100
Proto-Panoan			ʈʂ	a	~	p	o

COGID 371 / «green, unripe»

language	concept	pos	S1	S2	S3
Amawaka	green, unripe	0	x	o	o
Chakobo	green, unripe	0	ʂ	o	o
Chaninawa	green, unripe	0	ʃ	o	o
Kakataibo	green, unripe	0	ʂ	o	o
Kapanawa	green, unripe	0	ʂ	o	o
Katukina			Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø
Kaxinawa	green, unripe	0	ʂ	u	-
Korubo			Ø	Ø	Ø
Marinawa	green, unripe	0	ʂ	o	-
Marubo			Ø	Ø	Ø
Matis	green, unripe	0	ʂ	u	-

language	concept	pos	S1	S2	S3
Mayoruna	green, unripe	0	ʂ	u	-
Poyanawa			Ø	Ø	Ø
Shanenawa	green, unripe	0	ʂ	u	-
Sharanawa	green, unripe	0	ʂ	o	-
ShipiboKonibo	green, unripe	0	ʂ	o	o
Yaminawa			Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø
Fuzzy			ʂ:100	o:100	o:90¦-:10
Proto-Panoan			ʂ	o	o

COGID 359 / «he»

language	concept	pos	S1	S2	S3	S4
Amawaka	he	0	h	a	-	a
Chakobo	he	0	h	a	-	-
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo	he	0	-	a	-	-
Kapanawa	he	0	h	a	-	a
Katukina	he	0	h	a	t	u
Kaxarari	he	0	h	a	-	-
Kaxinawa	he	0	h	a	-	-
Korubo	he	0	-	a	-	-
Marinawa	he	0	-	a	-	a
Marubo	he	0	-	a	-	-
Matis	he	0	-	a	-	-
Mayoruna	he	0	-	a	-	-
Poyanawa	he	0	-	a	-	-
Shanenawa	he	0	-	a	-	-
Sharanawa	he	0	-	a	-	-
ShipiboKonibo	he	0	h	a	-	-
Yaminawa	he	0	-	a	-	-
Yawanawa	he	0	-	a	-	-
Fuzzy			h:100	a:100	-:100	-:90¦a:10
Proto-Panoan			h	a	a	

COGID 11 / «head»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	head	0	w	o	x	k	a	-	a
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	head	0	b	o	ʃ	-	-	-	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	head	0	b	u	ʃ	k	a	t	a
Kaxinawa	head	0	b	u	ʂ	k	-	-	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	head	0	ɸ	o	ʂ	k	-	-	a
Marubo	head	0	v	o	ʃ	k	-	-	a
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	head	0	ɸ	o	ʂ	k	-	-	a
ShipiboKonibo	head	0	β	o	ʂ	k	-	-	a
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	head	0	h	u	ʂ	k	-	-	a
Fuzzy			β:100	o:100	ʂ:100	k:100	-:80¦-.tʳ:10¦a:10	-:90¦tʳ:10	a:90¦a.tʳ:10
Proto-Panoan			β	o	ʂ	k	a	tʳ	

COGID 229 / «heart»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	heart	0	h	o	w	i	-	t	i
Chakobo	heart	0	h	o	-	i	-	t	i
Chaninawa	heart	0	-	o	-	i	n	t	i
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	heart	0	h	o	-	i	n	t	i
Katukina	heart	0	-	-	w	i	n	t	i
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	heart	0	h	u	-	i	-	t	i
Korubo	heart	0	-	-	w	i	n	t	e
Marinawa	heart	0	-	o	-	i	-	t	i
Marubo	heart	0	-	-	w	i	n	t	i
Matis	heart	0	-	-	w	i	n	t	e
Mayoruna	heart	0	-	-	w	i	n	t	e

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
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	-:100	i:100	r^n:50¦n:50	t:100	i:100
Proto-Panoan			h	o	i	r^n	t	i	

COGID 452 / «heat, hot»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	heat, hot	0	j	o	ʔ	o	-
Chakobo	heat, hot	0	j	o	ʔ	o	-
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø
Kapanawa	heat, hot	0	j	o	ʔ	o	-
Katukina	heat, hot	0	j	u	-	-	u
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	heat, hot	0	j	u	-	-	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	heat, hot	0	j	o	-	-	i
Marubo			Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna	heat, hot	0	tʃ	u	-	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	heat, hot	0	j	o	-	o	i
ShipiboKonibo	heat, hot	0	j	o	-	-	o
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			j:100	o:100	ʔ:100	-:80¦o:20	-:100
Proto-Panoan			j	o	ʔ	o	

COGID 15 / «hiccough, to hiccup»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	hiccough, to hiccup	0	ts	ɨ	-	k	-	-	o
Chakobo	hiccough, to hiccup	0	ts	ɨ	-	k	-	-	o
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	hiccough, to hiccup	0	ts	ɨ	-	k	-	-	o
Kapanawa	hiccough, to hiccup	0	ts	ɨ	ʔ	k	o	ʔ	i
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	hiccough, to hiccup	0	ts	ɨ	-	k	-	-	u
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	hiccough, to hiccup	0	ts	ɨ	-	k	-	-	o
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	hiccough, to hiccup	0	ts	ɨ	-	k	o	-	i
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			ts:100	ɨ:100	ʔ:100	k:100	-:100	ʔ:100	o:100
Proto-Panoan			ts	ɨ	k	o			

COGID 467 / «his, her, of him, of her»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chakobo	his, her, of him, of her	0	h	a	w	-	-	ɨ	-	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Kapanawa	his, her, of him, of her	0	h	a	w	-	-	ɨ	n	-
Katukina	his, her, of him, of her	0	h	a	w	-	-	ɨ	n	-
Kaxarari	his, her, of him, of her	0	h	a	w	-	-	a	-	-
Kaxinawa	his, her, of him, of her	0	h	a	w	-	-	ɨ	~	-
Korubo	his, her, of him, of her	0	-	a	w	-	-	ɨ	n	-
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marubo	his, her, of him, of her	0	-	a	w	ɨ	r	ɨ	k	i
Matis	his, her, of him, of her	0	-	a	w	-	-	ɨ	n	-
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	his, her, of him, of her	0	-	a	w	-	-	ɨ	n	-
Sharanawa	his, her, of him, of her	0	-	a	w	-	-	ɨ	n	-
ShipiboKonibo	his, her, of him, of her	0	h	a	w	-	-	ɨ	~	-
Yaminawa	his, her, of him, of her	0	-	a	ɸ	-	-	ɨ	~	-
Yawanawa	his, her, of him, of her	0	-	a	w	-	-	a	n	-
Fuzzy			h:100	a:100	w:100	-:90¦a:10	-:100	ɨ:100	n:80¦-:10¦m:10	-:100
Proto-Panoan			h	a	w	ɨ		n		

COGID 332 / «hot»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	hot	0	x	a	n	a	-	a	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa	hot, heat	0	ʃ	a	-	-	d	a	-
Kakataibo	hot	0	ʂ	a	n	-	-	a	-

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Kapanawa	hot	0	ʂ	a	n	-	-	a	-
Katukina	hot	0	ʂ	a	n	-	-	a	?
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	hot	0	ʃ	a	n	-	-	a	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	hot, heat	0	ʂ	a	n	-	-	a	-
Marubo	hot	0	ʃ	a	n	a	k	a	-
Matis	hot	0	ʂ	a	n	a	d	a	p
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	hot	0	ʂ	a	n	-	-	a	-
Sharanawa	hot, heat	0	ʂ	a	n	-	-	a	-
ShipiboKonibo	hot	0	ʂ	a	n	-	-	a	-
Yaminawa	hot, heat	0	ʂ	a	n	-	-	a	-
Yawanawa	hot	0	ʂ	a	n	-	-	a	-
Fuzzy			ʂ:100	a:100	r^n:90¦n:10 :100	- :100	- :90¦t^r:10	a:100	- :100
Proto-Panoan			ʂ	a	r^n	a			

COGID 106 / «ingest soft food»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	ingest soft food	0	k	o	-	k	o	k	i	n	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	ingest soft food	0	k	o	-	-	-	-	-	-	-
Kapanawa	to suck	0	k	o	-	k	o	k	i	n	-
Katukina	to suck	0	k	u	-	k	u	-	a	-	i
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	ingest soft food	0	k	u	-	k	-	-	u	-	-
Korubo	ingest soft food	0	k	u	t	k	a	-	i	-	-
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

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language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Marubo			∅	∅	∅	∅	∅	∅	∅	∅	∅
Matis			∅	∅	∅	∅	∅	∅	∅	∅	∅
Mayoruna	ingest soft food	0	k	u	-	k	-	-	-	-	-
Poyanawa	to suck	0	k	u	-	k	-	-	u	-	-
Shanenawa	to suck	0	k	u	-	k	-	-	u	-	-
Sharanawa	ingest soft food	0	k	o	-	k	o	-	i	-	-
ShipiboKonibo	ingest soft food	0	k	o	-	k	o	t	i	-	-
Yaminawa			∅	∅	∅	∅	∅	∅	∅	∅	∅
Yawanawa	to suck	0	k	u	-	k	-	-	u	-	-
Fuzzy			k:100	o:100	-:100	k:100	-:80¦o:20	-:100	-:60¦o:40	-:100	-:100
Proto-Panoan			k	o	k	o					

COGID 184 / «inside, in the center»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	inside, in the center	0	n	a	p	ɨ	ɨ
Chakobo			∅	∅	∅	∅	∅
Chaninawa			∅	∅	∅	∅	∅
Kakataibo	inside, in the center	0	n	a	p	-	o
Kapanawa	inside, in the center	0	n	a	p	-	o
Katukina			∅	∅	∅	∅	∅
Kaxarari			∅	∅	∅	∅	∅
Kaxinawa	inside, in the center	0	n	a	p	-	u
Korubo			∅	∅	∅	∅	∅
Marinawa			∅	∅	∅	∅	∅
Marubo	inside, in the center	0	n	a	k	-	i
Matis			∅	∅	∅	∅	∅
Mayoruna	inside, in the center	0	n	a	p	-	i

language	concept	pos	S1	S2	S3	S4	S5
Poyanawa	inside, in the center	0	d	a	p	-	u
Shanenawa			Ø	Ø	Ø	Ø	Ø
Sharanawa	inside, in the center	0	n	a	p	-	o
ShipiboKonibo	inside, in the center	0	n	a	p	-	o
Yaminawa	inside, in the center	0	n	a	p	-	o
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			r^n:100	a:100	p:100	-:100	o:90¦-:10
Proto-Panoan			r^n	a	p	o	

COGID 99 / «jaw»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	jaw	0	k	o	w	i	-	i	-	-	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	jaw	0	k	u	-	ɨ	b	i	-	-	-
Kapanawa	jaw	0	k	o	-	i	ʂ	a	-	-	o
Katukina	jaw	0	k	u	-	-	-	i	-	-	-
Kaxarari	jaw	0	k	ɨ	n	i	m	a	-	-	-
Kaxinawa	jaw	0	k	u	-	-	-	i	-	-	-
Korubo	jaw	0	k^w	i	-	-	ʃ	a	-	-	-
Marinawa	jaw	0	k	o	-	-	-	-	-	-	-
Marubo	jaw	0	k	u	-	-	-	i	-	-	-
Matis	jaw	0	k	u	-	i	t	o	n	k	o
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa	jaw	0	k	u	-	-	-	i	-	-	-
Shanenawa	jaw	0	k	u	-	-	-	-	-	-	-
Sharanawa	jaw	0	k	o	w	i	ʂ	a	-	-	o
ShipiboKonibo	jaw	0	k	o	-	-	-	i	-	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			k:100	o:100:60¦w:40	90¦i:10	i:90¦i:10	:100	i:90¦-:10	:100	:100	:100

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Proto-Panoan			k	o	w	i					

COGID 291 / «knee»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	knee	0	r	a	~	t	o	~	k	o
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa	knee	0	r	a	-	t	o	-	k	o
Kakataibo	knee	0	r	a	~	t	u	~	t	i
Kapanawa	knee	0	r	a	n	t	o	-	n	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	knee	0	tʃ	ɐ	~	b	u	-	ɾ	u
Kaxinawa	knee	0	d	a	~	t	u	-	k	u
Korubo	knee	0	ɫ	a	-	n	ɨ	-	ʃ	-
Marinawa	knee	0	r	a	-	t	o	-	k	o
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	knee	0	d	a	n	b	ɨ	-	d	u
Mayoruna	knee	0	d	a	n	n	ɨ	-	ʂ	-
Poyanawa	knee	0	r	a	~	t	u	h	k	u
Shanenawa	knee	0	ɾ	a	-	t	u	n	k	u
Sharanawa	knee	0	r	a	-	t	o	-	k	o
ShipiboKonibo	knee	0	r	a	~	t	o	~	k	o
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	knee	0	ɾ	a	-	t	u	n	k	u
Fuzzy			ɽ:100	a:100	rⁿ:70¦~:30	t:100	o:80¦-:20	-:100	k:90¦kʷ:10	o:100
Proto-Panoan			ɽ	a	rⁿ	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			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

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language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Kakataibo	kneecap, knee	0	r	a	β	o	ʂ	-	o	-
Kapanawa	kneecap, knee	0	r	a	β	o	ʂ	-	o	-
Katukina	kneecap, knee	0	ɾ	a	β	ɨ	ʂ	-	o	ʔ
Kaxarari	kneecap, knee	0	tʃ	ɐ	b	u	-	ɾ	u	-
Kaxinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marubo	kneecap, knee	0	r	a	v	u	ʃ	-	ɨ	-
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	kneecap, knee	0	r	a	β	o	ʂ	-	o	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			ɾ:100	a:100	β:100	o:100	ʂ:100	k:90¦-:10	o:100	-:90¦k.o:10
Proto-Panoan			ɾ	a	β	o	ʂ	o	k	o

COGID 76 / «lightning»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11
Amawaka	lightning	0	k	a	n	-	-	-	-	a	-	-	a
Chakobo	lightning	0	k	a	n	a	p	-	-	-	-	-	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	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	a	-	-	-
Kaxinawa	lightning	0	k	a	n	-	-	-	-	-	-	-	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	lightning	0	k	a	n	a	ɸ	a	k	a	i	k	i

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11
Marubo	lightning	0	k	a	n	-	-	-	-	-	-	-	a
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	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	p	-	-	ɨ	-	-	u
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			k:100	a:100	r:100	-:80¦a:20	-100	:100	-:80¦k:20	100	:100	:100	a:100
Proto-Panoan			k	a	r	a	k						

COGID 65 / «tongue»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	tongue	0	k	ɨ	x	a	-	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa	lips	0	k	ɨ	ʃ	a	-	-
Kakataibo	lips	0	kʷ	ɨ	ʂ	a	-	-
Kapanawa	lips	0	k	ɨ	ʂ	a	-	-
Katukina	lips	0	k	ɨ	ʂ	a	-	-
Kaxarari	lips	0	k	ɨ	ʂ	a	k	a
Kaxinawa	lips	0	k	ɨ	ʂ	a	-	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	lips	0	k	i	ʂ	a	~	-
Marubo	lips	0	k	ɨ	ʃ	a	-	-
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa	tongue	0	k	ɨ	h	a	-	-
Shanenawa	lips	0	k	ɨ	ʂ	a	-	-
Sharanawa	lips	0	k	ɨ	ʂ	a	-	-
ShipiboKonibo	lips	0	k	ɨ	ʂ	a	-	-
Yaminawa	lips	0	k	ɨ	ʂ	a	~	-
Yawanawa	lips	0	k	ɨ	ʃ	a	-	-
Fuzzy			kʷ:100	ɨ:100	ʂ:100	a:100	-:80¦k:10¦r^n:10	-:100
Proto-Panoan			kʷ	ɨ	ʂ	a	r^n	

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COGID 193 / «many»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	many	0	ʔ	i	tʃ	-	-	a
Chakobo	many	0	-	i	tʃ	-	-	a
Chaninawa	many	0	-	i	tʃ	a	p	a
Kakataibo	many	0	ʔ	i	ts	-	-	a
Kapanawa	many	0	ʔ	i	tʃ	-	-	a
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	many	0	-	i	tʃ	a	p	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	many	0	-	i	tʃ	a	p	a
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	many	0	-	i	tʃ	a	k	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	many	0	-	i	tʃ	a	p	a
Sharanawa	many	0	-	i	tʃ	a	p	a
ShipiboKonibo	many	0	ʔ	i	tʃ	-	-	a
Yaminawa	many	0	-	i	tʃ	-	-	a
Yawanawa	many	0	-	i	tʃ	-	-	a
Fuzzy			ʔ:100	i:100	ts:100	-:100	k:100	a:100
Proto-Panoan			ʔ	i	ts	a	k	

COGID 266 / «small»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	small	0	p	i	-	-	ʃ	t	a	-	-
Chakobo	small	0	p	i	-	-	s	t	i	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Katukina	small	0	p	i	-	-	ʃ	tʃ	a	-	-
Kaxarari	small	0	p	i	-	-	s	t	ɛ	-	-
Kaxinawa	small	0	p	i	-	-	ʃ	t	a	-	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	small	0	ɸ	a	k	ɨ	ʃ	t	a	-	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	small	0	p	i	-	-	s	ts	ɨ	-	k
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	small	0	ɸ	a	k	ɨ	ʂ	t	a	-	-
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yaminawa	many	0	p	i	-	-	ʃ	t	a	-	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			p:100	i:100	-:100	-:100	s:100	t:100	i:80¦a:20	-:90¦-:90¦a:10	-:90¦a:10
Proto-Panoan			p	i	s	t	i	a			

COGID 265 / «mat»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	mat	0	p	i	ʃ	i	-
Chakobo			Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	mat	0	p	i	ʃ	i	-
Kapanawa	mat	0	p	i	ʃ	i	n
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	mat	0	p	i	ʃ	i	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	mat	0	p	i	ʃ	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	ʂ	i	n
ShipiboKonibo	mat	0	p	i	ʃ	i	-
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa	mat	0	p	i	ʃ	i	n
Fuzzy			p:100	i:100	ʃ:100	i:100	rⁿ:70¦-:30
Proto-Panoan			p	i	ʃ	i	r^n

COGID 282 / «medicine»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	medicine	0	r	a	ʔ	o	-	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	medicine	0	r	ɔ	-	-	-	ɔ
Kapanawa	medicine	0	r	a	ʔ	o	-	-
Katukina	medicine	0	r	a	ʔ	u	t	i
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	medicine	0	d	a	-	-	-	u
Korubo	medicine	0	ɫ	a	w	-	-	ɨ
Marinawa	medicine	0	r	a	-	-	-	o
Marubo	medicine	0	r	a	-	-	-	o
Matis	medicine	0	d	a	w	-	-	ɨ
Mayoruna	medicine	0	d	a	w	-	-	ɨ
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	medicine	0	ɾ	a	-	-	-	u
Sharanawa	medicine	0	r	a	-	-	-	o
ShipiboKonibo	medicine	0	r	a	-	-	-	o
Yaminawa	medicine	0	r	a	-	-	-	o
Yawanawa	medicine	0	ɾ	a	-	-	-	u
Fuzzy			ɽ:100	a:100	ʔ:100	-:100	-:100	-:70¦o:30
Proto-Panoan			ɽ	a	ʔ	o		

COGID 507 / «mosquito»

language	concept	pos	S1	S2	S3	S4
Amawaka	mosquito	0	w	i	i	-
Chakobo	mosquito	0	β	i	i	-
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo	mosquito	0	β	i	i	-
Kapanawa	mosquito	0	β	i	i	-
Katukina	mosquito	0	β	i	i	-
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	mosquito	0	b	i	-	-
Korubo			Ø	Ø	Ø	Ø
Marinawa	mosquito	0	ɸ	i	-	-
Marubo	mosquito	0	v	i	-	-

language	concept	pos	S1	S2	S3	S4
Matis	mosquito	0	b	i	u	ʂ
Mayoruna	mosquito	0	b	i	u	ʂ
Poyanawa	mosquito	0	β	i	-	-
Shanenawa			Ø	Ø	Ø	Ø
Sharanawa	mosquito	0	ɸ	i	i	n
ShipiboKonibo	mosquito	0	β	i	i	-
Yaminawa	mosquito	0	ɸ	i	i	-
Yawanawa	mosquito	0	β	i	-	-
Fuzzy			β:100	i:100	i:80¦-:20	-:100
Proto-Panoan			β	i		

COGID 298 / «nasal septum»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	nasal septum	0	r	ɨ	p	-	-	a
Chakobo	nasal septum	0	r	ɨ	p	a	r	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	nasal septum	0	r	ɨ	p	-	-	a
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	nasal septum	0	d	ɨ	p	-	-	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	nasal septum	0	r	ɨ	p	-	-	a
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	nasal septum	0	d	ɨ	p	u	n	-
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			Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6
Fuzzy			ɽ:100	ɨ:100	p:100	-:100	-:60¦n:40	a:100
Proto-Panoan			ɽ	ɨ	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			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	needle	0	ʂ	o	-	m	o	ʂ	-
Kapanawa	needle	0	ʂ	o	ʔ	m	o	ʂ	-
Katukina	needle	0	ʂ	u	-	m	u	ʂ	-
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	needle	0	ʂ	u	-	m	u	ʂ	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	needle	0	ʂ	o	-	m	o	ʂ	ɨ
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	needle	0	ʂ	o	-	m	o	ʂ	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	needle	0	ʂ	o	-	m	o	ʂ	ɨ
ShipiboKonibo	needle	0	ʂ	o	-	m	o	ʂ	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	needle	0	ʂ	u	-	m	u	ʂ	ɨ
Fuzzy			ʂ:100	o:100	ʔ.o:90¦ʔ:10	m:100	o:100	ʂ:100	-:100
Proto-Panoan			ʂ	o	ʔ	o	m	o	ʂ

COGID 441 / «negative suffix»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	negative suffix	0	j	a	m	a	-
Chakobo	negative suffix	0	j	a	m	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5
Kakataibo	negative suffix	0	-	-	m	a	-
Kapanawa	negative suffix	0	j	a	m	a	-
Katukina	negative suffix	0	j	a	m	a	-
Kaxarari	negative suffix	0	-	-	m	a	-
Kaxinawa	negative suffix	0	-	-	m	a	-
Korubo	negative suffix	0	-	-	m	a	-
Marinawa	negative suffix	0	-	-	m	a	-
Marubo	negative suffix	0	-	-	m	a	-
Matis	negative suffix	0	-	a	m	a	-
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa	negative suffix	0	-	-	b	a	-
Shanenawa	negative suffix	0	-	-	m	a	-
Sharanawa	negative suffix	0	-	-	m	a	-
ShipiboKonibo	negative suffix	0	j	a	m	a	-
Yaminawa	negative suffix	0	-	-	m	a	a
Yawanawa	negative suffix	0	-	-	m	a	-
Fuzzy			j:100	a:90¦-:10	m:100	a:100	-:100
Proto-Panoan			j	a	m	a	

COGID 256 / «nephew»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	nephew	0	p	i	-	ʔ	a	-	a
Chakobo	nephew	0	p	i	-	ʔ	a	k	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	nephew	0	p	i	-	-	a	k	a
Kapanawa	nephew	0	p	i	-	ʔ	a	ʃ	a
Katukina	nephew	0	p	i	-	-	a	-	-
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Korubo	nephew	0	p	i	-	-	a	k	-
Marinawa	nephew	0	p	i	-	-	a	-	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	nephew	0	p	i	-	-	a	k	-
Mayoruna	nephew	0	p	i	-	-	a	k	-
Poyanawa	nephew	0	p	i	a	t	i	s	-
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	nephew	0	p	i	-	-	a	-	-
ShipiboKonibo	nephew	0	p	i	-	-	a	-	-

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Yaminawa	nephew	0	p	i	-	-	a	-	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			p:100	i:100	-:100	ʔ:100	a:100	k:100	-:90¦a:10
Proto-Panoan			p	i	ʔ	a	k		

COGID 486 / «new»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	new	0	-	-	w	ɨ	-	n	a	-	a
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa	new	0	-	-	ɸ	ɨ	-	d	-	-	a
Kakataibo	new	0	-	-	β	ɨ	-	n	-	-	a
Kapanawa	new	0	-	-	β	ɨ	ʔ	n	-	-	a
Katukina	new	0	-	-	β	i	-	n	-	-	a
Kaxarari	new	0	ɦ	a	β	ɨ	-	l	a	k	ɨ
Kaxinawa	new	0	-	-	b	ɨ	-	n	-	-	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	new	0	-	-	ɸ	ɨ	-	n	-	-	a
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	new	0	-	-	f	ɨ	-	n	-	-	a
Sharanawa	new	0	-	-	ɸ	ɨ	-	n	-	-	a
ShipiboKonibo	new	0	-	-	β	ɨ	-	n	-	-	a
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	new	0	-	-	β	ɨ	-	n	-	-	a
Fuzzy			-:100	-:100	β:100	ɨ:100	ʔ:100	r:100	-:90¦-.k:10	-	a:70¦-:80¦k:20:30
Proto-Panoan			β	ɨ	ʔ	r	a	k			

COGID 469 / «night, dark»

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language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chakobo	night, dark	0	β	a	-	k	i	ʃ	i
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	night, dark	0	β	a	-	k	i	ʃ	-
Kapanawa	night, dark	0	β	a	ʔ	k	i	ʃ	-
Katukina	night, dark	0	β	a	-	k	i	ʂ	-
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	night, dark	0	β	a	-	k	i	ʃ	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	night, dark	0	ɸ	a	-	k	i	ʃ	i
Marubo	shade	0	v	a	-	k	i	ʂ	i
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	night, dark	0	f	a	-	k	i	ʂ	i
Sharanawa	night, dark	0	ɸ	a	-	k	i	ʂ	i
ShipiboKonibo	night, dark	0	β	a	-	k	i	ʃ	-
Yaminawa	night, dark	0	ɸ	a	-	k	i	ʃ	i
Yawanawa	night, dark	0	β	a	-	k	i	ʃ	i
Fuzzy			β:100	a:100	ʔ:100	k:100	i:100	ʃ:100	i:60¦-:40
Proto-Panoan			β	a	ʔ	k	i	ʃ	i

COGID 296 / «nose hole, nostril»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	nose hole, nostril	0	r	ɨ	k	i	-	-
Chakobo	nose hole, nostril	0	r	ɨ	ʂ	a	k	i
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	nose hole, nostril	0	r	ɨ	k	i	-	-
Kapanawa	nose hole, nostril	0	r	ɨ	k	i	n	-
Katukina	nose hole, nostril	0	ɾ	ɨ	k	i	~	-
Kaxarari	nose hole, nostril	0	tʃ	ɨ	k	ɐ	n	i
Kaxinawa	nose hole, nostril	0	d	ɨ	k	i	-	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø
Marubo	nose hole, nostril	0	ɾ	ɨ	k	i	~	-
Matis	nose hole, nostril	0	d	ɨ	ʂ	ɨ	n	-
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa	nose hole, nostril	0	r	a	k	i	~	-
Shanenawa	nose hole, nostril	0	ɾ	u	k	i	n	-
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	nose hole, nostril	0	r	ɨ	k	i	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	nose hole, nostril	0	ɾ	ɨ	k	i	n	-
Fuzzy			ɽ:100	ɨ:100	k:100	i:100	n:100	-:90¦i:10
Proto-Panoan			ɽ	ɨ	k	i	n	i

COGID 430 / «oar»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	oar	0	w	ɨ	-	-	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
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	oar	0	w	ɨ	-	-	t	i
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			w:100	i:100	rⁿ:80¦n:20	-:50¦a:50	t:100	i:100
Proto-Panoan			w	i	n	a	t	i

COGID 462 / «to grow»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to grow	0	-	u	-	s	i	-	-	-
Kapanawa	old	0	j	o	-	s	i	β	o	-
Katukina	to grow	0	j	u	-	s	i	-	a	i
Kaxarari	to grow	0	j	o	-	s	i	h	i	-
Kaxinawa	to grow	0	j	u	-	s	i	-	-	-
Korubo	old	0	ts	u	-	s	i	β	o	-

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Marinawa	to grow	0	j	o	o	s	i	-	-	-
Marubo	to grow	0	j	o	-	s	i	-	-	-
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	to grow	0	ts	u	-	s	i	-	o	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	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	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			j:100	o:90¦o.o:10	o.o:10 :100	s:100	i:100	- :100	- :100	- :100
Proto-Panoan			j	o	o	s	i			

COGID 124 / «on earth»

language	concept	pos	S1	S2	S3	S4
Amawaka	on earth	0	m	a	i	~
Chakobo	on earth	0	m	a	i	-
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo	on earth	0	m	e	e	~
Kapanawa	on earth	0	m	a	i	n
Katukina			Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	on earth	0	m	a	i	~
Korubo			Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø
Marubo	on earth	0	m	a	i	~
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	on earth	0	m	a	i	~

language	concept	pos	S1	S2	S3	S4
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø
Fuzzy			m:100	a:100	i:100	r^n:90¦~:10
Proto-Panoan			m	a	i	r^n

COGID 449 / «tongue»

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	tongue	0	-	a	-	ʂ	-	ɸ	a
Kakataibo	opening	0	-	a	~	ʂ	a	β	a
Kapanawa	opening	0	h	a	n	ʂ	-	β	a
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	opening	0	h	a	-	ʂ	-	p	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	tongue	0	-	a	-	ʂ	-	ɸ	a
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	tongue	0	-	a	-	ʂ	-	f	a
Sharanawa	opening	0	-	a	-	ʂ	-	ɸ	a
ShipiboKonibo	opening	0	h	a	~	ʂ	-	β	a
Yaminawa	opening	0	-	a	-	ʂ	-	ɸ	a
Yawanawa	tongue	0	-	a	-	ʂ	-	β	a
Fuzzy			h:100	a:100	~:100	ʂ:70¦ʂ.a:30	-:100	β:100	a:100
Proto-Panoan			h	a	~	ʂ	a	β	a

COGID 38 / «otter»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Amawaka	otter	0	h	ɨ	n	ɨ	-	-	ʔ	-	n	o
Chakobo	otter	0	h	ɨ	n	ɨ	-	-	ʔ	i	n	o
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

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language concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Kakataibo otter	0	β	a	k	a	-	i	-	-	n	o
Kapanawa otter	0	-	-	n	ɨ	-	i	ʔ	-	n	o
Katukina		Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari		Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa species of otter	0	h	ɨ	n	ɨ	-	-	-	i	n	u
Korubo		Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa otter	0	-	ɨ	n	ɨ	m	a	ʂ	a	ɾ	o
Marubo otter	0	-	ɨ	n	ɨ	-	-	k	a	m	a
Matis otter	0	-	ɨ	n	i	n	-	-	o	w	a
Mayoruna otter	0	-	o	n	i	n	-	-	-	-	a
Poyanawa		Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa		Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa		Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo otter	0	-	-	n	ɨ	-	i	-	-	n	o
Yaminawa		Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa		Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy		h:100	ɨ:100	rⁿ:100	ɨ:100	-:100	-:100	ʔ:100	-:70¦i:30	n:100	o:100
Proto-Panoan		h	ɨ	rⁿ	ɨ	ʔ	i	n	o		

COGID 149 / «pain, to hurt»

language concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka pain, to hurt	0	ʔ	i	s	i	n	-	-	-	-
Chakobo pain, to hurt	0	ʔ	i	s	i	-	-	-	-	-
Chaninawa		Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo pain, to hurt	0	ʔ	i	s	i	~	-	-	-	-
Kapanawa pain, to hurt	0	ʔ	i	s	i	n	-	-	-	-
Katukina pain, to hurt	0	-	i	s	i	n	-	a	-	i
Kaxarari pain, to hurt	0	-	i	s	-	-	-	a	l	i
Kaxinawa pain, to hurt	0	-	i	s	i	n	k	i	k	i

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	pain, to hurt	0	-	i	s	i	-	-	-	-	~
Marubo	pain, to hurt	0	-	i	s	i	-	-	-	-	~
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	pain, to hurt	0	-	i	s	i	n	-	-	-	-
Sharanawa	pain, to hurt	0	-	i	s	i	n	-	-	-	-
ShipiboKonibo	pain, to hurt	0	?	i	s	i	~	-	-	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	pain, to hurt	0	-	i	s	i	n	-	-	-	-
Fuzzy			?:100	i:100	s:100	i:100	r:60¦n:30¦r^n:10	-:100	r:70¦:100	-:30	-:90¦i:10
Proto-Panoan			?	i	s	i	r				

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	ɨ	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

language	concept	pos	S1	S2	S3	S4
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	ɨ:90¦i:10	s:100	i:100
Proto-Panoan			m	ɨ	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	ʂ	o	p	a	~
Kapanawa	papaya	0	ʂ	o	p	a	n
Katukina	papaya	0	ʂ	u	m.b	a	-
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	papaya	0	ʂ	u	p	a	~
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	papaya	0	ʂ	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	ʂ	o	p	a	-
ShipiboKonibo	papaya	0	ʂ	o	p	a	~
Yaminawa	papaya	0	ʂ	o	p	a	-
Yawanawa	papaya	0	ʂ	u	p	a	-
Fuzzy			ʂ:100	o:100	p:100	a:100	r^n:80¦~:20
Proto-Panoan			ʂ	o	p	a	r^n

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

language	concept	pos	S1	S2	S3	S4	S5
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	ł	a	-
Marinawa	species of pumpkin	0	ɸ	a	r	a	~
Marubo			Ø	Ø	Ø	Ø	Ø
Matis	papaya	0	w	a	t	a	-
Mayoruna	species of pumpkin	0	w	a	d	a	-
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	species of pumpkin	0	w	a	ɾ	a	-
Sharanawa	species of pumpkin	0	ɸ	a	r	a	n
ShipiboKonibo	species of pumpkin	0	w	a	r	a	~
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			w:100	a:100	ɽ:100	a:100	m:90¦rⁿ:10
Proto-Panoan			w	a	ɽ	a	m

COGID 415 / «peach palm»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	peach palm	0	w	a	n	i	-	-
Chakobo	peach palm	0	w	a	n	i	-	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	peach palm	0	β	a	n	i	-	-

language	concept	pos	S1	S2	S3	S4	S5	S6
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	a
Kaxinawa	peach palm	0	b	a	n	i	-	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø
Marubo	peach palm	0	w	a	n	i	~	-
Matis	peach palm	0	w	a	n	i	n	-
Mayoruna	peach palm	0	w	a	n	i	n	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	peach palm	0	w	a	n	i	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			w:100	a:100	n:100	i:100	m:80¦-:10¦n:10	-:100
Proto-Panoan			w	a	n	i	m	

COGID 89 / «piece, shard»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	piece, shard	0	p	a	k	ɨ	x	-
Chakobo	piece, shard	0	-	-	k	ɨ	ṣ	ɨ
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	piece, shard	0	-	-	k	ɨ	ṣ	ɨ
Kapanawa	piece, shard	0	-	-	k	ɨ	ṣ	ɨ

language	concept	pos	S1	S2	S3	S4	S5	S6
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	piece, shard	0	p	a	k	ɨ	ʂ	-
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	piece, shard	0	k	ɨ	k	ɨ	ʂ	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			-:100	-:80¦ɨ:10¦a:10	k:100	ɨ:100	ʂ:100	ɨ:90¦-:10
Proto-Panoan			k	ɨ		ʂ	ɨ	

COGID 72 / «pineapple»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	pineapple	0	k	a	~	k	a	~	-
Chakobo	pineapple	0	k	a	-	k	a	m	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	pineapple	0	k	a	~	k	a	~	-
Kapanawa	pineapple	0	k	a	n	k	a	n	-
Katukina	pineapple	0	k	a	n	k	a	n	-
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	pineapple	0	k	a	~	k	a	~	-
Korubo	pineapple	0	k	a	n	tʃ	i	-	-
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	pineapple	0	k	a	n	tʃ	i	-	-
Mayoruna	pineapple	0	k	a	n	tʃ	i	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	pineapple	0	k	a	-	k	a	n	-
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
ShipiboKonibo	pineapple	0	k	a	~	k	a	~	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			k:100	a:100	~:40¦r^n:40¦-:20	-r^n:90¦k:10	:90¦a:10	:70¦m:30:100	-
Proto-Panoan			k	a	r^n				

COGID 110 / «pus»

language	concept	pos	S1	S2	S3
Amawaka	pus	0	k	o	o
Chakobo	pus	0	k	o	o
Chaninawa			Ø	Ø	Ø
Kakataibo	pus	0	k	o	o
Kapanawa	pus	0	k	o	o
Katukina			Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø
Kaxinawa	pus	0	k	u	-
Korubo	pus	0	k	u	-
Marinawa	pus	0	k	o	-
Marubo	pus	0	k	o	-
Matis	pus	0	k	u	-
Mayoruna	pus	0	k	u	-
Poyanawa			Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø
Sharanawa	pus	0	k	o	o
ShipiboKonibo	pus	0	k	o	o
Yaminawa			Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø
Fuzzy			k:100	o:100	o:100
Proto-Panoan			k	o	

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

language	concept	pos	S1	S2	S3	S4	S5	S6
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	ɸ	o
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
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	-:70¦r^n:30	-:80¦i:20	-:100	-:70¦i:30
Proto-Panoan			k	a	r^n	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	Ø	Ø
Chakobo	right hand	0	m	ɨ	n	ɨ	k	a	j	a	-	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	right hand	0	m	ɨ	k	ɨ	k^w	-	-	e	-	-
Kapanawa	right hand	0	m	ɨ	-	-	k	a	j	a	ʔ	o
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	right hand	0	k	a	j	a	t	a	p	i	-	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	right hand	0	k	a	j	a	k	a	ɸ	i	-	-

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language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	right hand	0	m	ɨ	-	-	k	a	j	a	-	o
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			m:100	ɨ:100	k.ɨ.r:60¦r:20	ɨ:100	k:100	kʷ:100	a:90¦ɨ:10	j:100	a:80¦-:20	?:100¦-:100
Proto-Panoan			m	ɨ	k	ɨ	r	ɨ	kʷ	a	j	a

COGID 386 / «root»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	root	0	t	a	p	o	~	-
Chakobo	root	0	t	a	p	o	n	o
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	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	root	0	t	a	p	u	-	-
Korubo			Ø	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	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	Ø
Yawanawa	root	0	t	a	p	u	n	-
Fuzzy			t:100	a:100	p:100	o:100	n:90¦rⁿ:10	-:100
Proto-Panoan			t	a	p	o	n	

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

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
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	Ø	Ø	Ø	Ø	Ø
Kakataibo	same, of the same way, also	0	-	r	i	-	β	-	-	-	-	i
Kapanawa	same, of the same way, also	0	-	r	i	ʔ	β	-	-	-	-	i
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	same, of the same way, also	0	-	-	-	-	-	-	-	-	d	i
Korubo	same, of the same way, also	0	a	β	i	-	β	i	ɬ	i	β	i
Marinawa	same, of the same way, also	0	-	r	i	-	ɸ	-	-	-	-	i
Marubo	same, of the same way, also	0	-	r	i	-	v	-	-	-	-	i
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	same, of the same way, also	0	a	-	u	c	b	-	-	i	d	i
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	same, of the same way, also	0	-	r	i	-	β	-	-	-	-	i
Yaminawa	same, of the same way, also	0	-	-	-	-	-	-	-	-	r	i

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language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			-:100	ɽ:100	i:100	ʔ:100	β:100	-:100	-:100	-:100	-:70¦ɽ:20¦tʳ:10	i:100
Proto-Panoan			ɽ	i	ʔ	β	i					

COGID 404 / «shotgun»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	shotgun	0	t	o	-	o	ʔ	a	-	t	i
Chakobo	shotgun	0	t	o	-	-	-	o	-	t	i
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	shotgun	0	t	o	-	o	ʔ	a	ʔ	t	i
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	shotgun	0	t	o	-	-	w	ɨ	-	t	i
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	shotgun	0	t	o	n	-	k	a	-	t	e
Mayoruna	shotgun	0	t	o	n	-	k	-	-	-	a
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	shotgun	0	t	o	-	-	w	ɨ	-	t	i
ShipiboKonibo	shotgun	0	t	o	-	-	-	a	-	t	i
Yaminawa	shotgun	0	t	o	-	a	k	-	-	-	i
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			t:100	o:100	-:100	-:100	-:90¦k:10	-:80¦a:20	-:60¦ʔ:40	t:50¦-:50	-:100
Proto-Panoan			t	o							

COGID 137 / «shrimp»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	shrimp	0	m	a	p	i	-	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	shrimp	0	m	a	p	i	-	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	shrimp	0	m	a	p	i	-	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	shrimp	0	m	a	p	i	-	-
Marubo	shrimp	0	m	a	p	i	-	-
Matis	shrimp	0	m	a	p	i	ṣ	o
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	shrimp	0	m	a	p	i	-	-
ShipiboKonibo	shrimp	0	m	a	p	i	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	shrimp	0	m	a	p	i	-	-
Fuzzy			m:100	a:100	p:100	i:100	-:90¦-.tʳ:10	-:90¦-.tʳ:10
Proto-Panoan			m	a	p	i		

COGID 175 / «sky»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	sky	0	n	a	-	-	i
Chakobo	sky	0	n	a	i	p	a
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	i
Kaxinawa	sky	0	n	a	-	-	i
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	sky	0	n	a	-	-	i
Marubo	sky	0	n	a	-	-	i
Matis			Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	sky	0	n	a	-	-	i

language	concept	pos	S1	S2	S3	S4	S5
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	-:100	ɽ:90¦-:10	i:100
Proto-Panoan			n	a	i	ɽ	

COGID 367 / «small»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	small	0	-	m	a	x	-	k	-	-	o
Chakobo	small	0	-	m	a	ʂ	-	k	-	-	o
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	small	0	-	-	-	ʂ	u	k	-	-	u
Korubo	small	0	-	m	a	ʃ	-	k	-	-	o
Marinawa	small	0	-	-	-	ʂ	o	k	-	-	o
Marubo	small	0	ɨ	p	a	ʂ	-	k	-	-	o
Matis	small	0	-	m	a	ʂ	-	k	-	-	u
Mayoruna	small	0	-	m	a	ʂ	-	k	-	-	u
Poyanawa	small	0	-	-	-	h	u	k	u	b	a
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	small	0	-	-	-	ʂ	o	k	-	-	o
ShipiboKonibo	small	0	-	m	a	ʂ	-	k	-	-	o
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	small	0	-	-	-	ʂ	u	k	-	-	u
Fuzzy			-:100	-:90¦m:10	a:90¦-:10	ʂ:100	-	k:100	-	-	o:100
Proto-Panoan			ʂ	o	k	o					

COGID 97 / «smoke»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	smoke	0	k	o	ʔ	i	~	-
Chakobo	smoke	0	k	o	ʔ	i	n	i
Chaninawa	smoke	0	k	o	-	i	n	-
Kakataibo	smoke	0	k	o	-	i	-	-
Kapanawa	smoke	0	k	o	ʔ	i	n	-
Katukina	smoke	0	k	u	-	i	n	-
Kaxarari	smoke	0	kʷ	a	-	-	n	i
Kaxinawa	smoke	0	k	u	-	i	~	-
Korubo	smoke	0	kʷ	a	-	i	n	-
Marinawa	smoke	0	k	o	-	i	~	-
Marubo	smoke	0	k	o	-	i	~	-
Matis	smoke	0	kʷ	a	-	i	n	-
Mayoruna			Ø	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	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			kʷ:100	a:70¦o:20¦-:10	ʔ:100	i:100	n:90¦m:10-:100	
Proto-Panoan			kʷ	a	ʔ	i	n	

COGID 44 / «species of ant»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	species of ant	0	h	i	-	-	m	a
Chakobo	species of ant	0	h	i	ʔ	i	m	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to enter	0	n	i	-	-	m	a
Kapanawa	species of ant	0	h	i	-	i	n	-
Katukina	species of ant	0	h	i	-	-	m	a
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of ant	0	h	i	-	-	m	a

language	concept	pos	S1	S2	S3	S4	S5	S6
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	species of ant	0	-	i	-	-	m	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	species of ant	0	-	i	-	-	m	a
ShipiboKonibo	species of ant	0	h	i	-	-	m	a
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	species of ant	0	-	i	-	-	m	a
Fuzzy			h:100	i:100	ʔ:100	i:70¦-:30	m:100	a:100
Proto-Panoan			h	i	ʔ	i	m	a

COGID 45 / «species of ant»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chakobo	species of ant	0	h	i	s	i	-	-	s	-	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	species of ant	0	-	i	ts	-	-	-	-	-	i	-
Kapanawa	species of ant	0	h	i	s	i	-	-	s	-	-	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of ant	0	h	i	s	i	-	-	s	-	-	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	species of ant	0	-	i	s	i	p	a	tʃ	i	i	k

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	species of ant	0	-	i	s	i	-	-	s	-	i	-
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yaminawa	species of ant	0	-	i	s	i	-	-	s	-	-	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			h:100	i:100	ts:100	i:100	-:100	-:100	-:80¦ts:20	-:100	-:60¦i:40	-:100
Proto-Panoan			h	i	ts	i						

COGID 242 / «species of armadillo»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	species of armadillo	0	p	a	n	-	-	o	-	-	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	species of armadillo	0	p	a	-	-	-	-	-	-	ɨ
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Katukina	species of armadillo	0	p	a	n	-	-	-	-	-	u
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of armadillo	0	p	a	n	u	j	a	i	ʃ	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	species of armadillo	0	p	a	n	-	-	o	-	-	-
Marubo	species of armadillo	0	p	a	n	o	j	o	-	ʂ	i
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	species of armadillo	0	p	a	n	-	-	-	-	-	u
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
ShipiboKonibo	species of armadillo	0	p	a	n	-	-	o	-	-	-
Yaminawa	species of armadillo	0	p	a	n	o	ɸ	a	-	-	-
Yawanawa	species of armadillo	0	p	a	n	-	-	-	-	-	u
Fuzzy			p:100	a:100	r^n:90¦ʔ:10¦:90¦ɨ:10	ʔ:10¦90¦r^n:10	-	o:70¦-20¦a:10	- :100	- :100	- :100
Proto-Panoan			p	a	ɨ	r^n	o				

COGID 68 / «species of bird»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	species of bird	0	ʔ	i	-	ts	a	-	a
Chakobo	species of bird	0	ʔ	i	s	-	a	k	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
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	Ø
Kaxarari	species of bird	0	-	i	s	-	a	k	a
Kaxinawa	species of bird	0	-	i	s	-	-	-	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	species of bird	0	w	i	s	ts	a	k	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	species of bird	0	ʔ	i	s	-	-	-	a
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Yawanawa			Ø	Ø	Ø	Ø	Ø		Ø	Ø
Fuzzy			ʔ:100	i:100	s:80¦ʔ:10¦ts:10	-:90¦ts:10	a:50¦-:40¦i:10		k:100	a:100
Proto-Panoan			ʔ	i	ʔ	ts	a		k	

COGID 195 / «species of bird»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	species of bird	0	n	ɨ	x	-	ɨ	-	x	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	species of bird	0	n	ɨ	ʂ	-	ɨ	-	ʂ	-
Kapanawa	species of bird	0	n	ɨ	ʂ	n	ɨ	-	ʂ	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of bird	0	n	ɨ	ʂ	-	ɨ	-	ʂ	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	species of bird	0	n	ɨ	ʂ	-	ɨ	-	ʂ	ɨ
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	species of bird	0	n	ɨ	ʂ	-	a	m	b	o
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	species of bird	0	n	ɨ	ʂ	-	ɨ	-	ʂ	ɨ
ShipiboKonibo	species of bird	0	n	ɨ	ʂ	n	ɨ	-	ʂ	-
Yaminawa	species of bird	0	n	ɨ	ʂ	-	ɨ	-	ʂ	ɨ
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			r^n:100	ɨ:100	ʂ:100	-:70¦r^n:30	ɨ:100	-:100	ʂ:100	-:100

COGID 263 / «species of snake»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	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	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of snake	0	p	i	s	i	k	a	-	-	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	species of snake	0	p	i	s	-	k	a	-	-	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	species of cobra	0	p	i	s	-	k	a	d	e	n
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa	species of cobra	0	p	i	s	-	k	a	-	-	-
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	species of snake	0	p	i	s	-	k	a	-	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			p:100	i:100	s:90¦s.i:10	i:70¦-:30	k:100	a:100	-:100	-:100	-:100
Proto-Panoan			p	i	s	i	k	a			

COGID 482 / «species of fish (Pimelididae)»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	species of fish (Pimelididae)	0	w	a	-	i	~	-
Chakobo	species of fish (Pimelididae)	0	b	a	w	i	n	o
Chaninawa			∅	∅	∅	∅	∅	∅
Kakataibo	species of fish (Pimelididae)	0	β	a	-	i	~	-
Kapanawa	species of fish (Pimelididae)	0	β	a	w	i	n	-
Katukina	species of fish (Pimelididae)	0	β	a	-	i	n	-
Kaxarari			∅	∅	∅	∅	∅	∅
Kaxinawa	species of fish (Pimelididae)	0	b	a	-	i	~	-
Korubo			∅	∅	∅	∅	∅	∅
Marinawa	species of fish (Loricariidae)	0	ɸ	a	w	i	~	-
Marubo			∅	∅	∅	∅	∅	∅
Matis			∅	∅	∅	∅	∅	∅
Mayoruna			∅	∅	∅	∅	∅	∅
Poyanawa			∅	∅	∅	∅	∅	∅
Shanenawa	species of fish (Pimelididae)	0	f	a	-	ɨ	-	-
Sharanawa			∅	∅	∅	∅	∅	∅
ShipiboKonibo	species of fish (Pimelididae)	0	β	a	w	i	~	-
Yaminawa	species of fish (Pimelididae)	0	ɸ	a	ɸ	i	~	-
Yawanawa			∅	∅	∅	∅	∅	∅
Fuzzy			β:100	a:100	w:100	i:100	r^n:90¦~:10	:100
Proto-Panoan			β	a	w	i	r^n	

COGID 339 / «species of gourd»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	species of gourd	0	x	a	t	a	ɨ	-

language	concept	pos	S1	S2	S3	S4	S5	S6
Chakobo	species of gourd	0	ʂ	a	t	a	-	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	species of gourd	0	ʂ	a	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	species of gourd	0	ʂ	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	species of gourd	0	ʂ	a	t	a	-	-
ShipiboKonibo	species of gourd	0	ʂ	a	t	a	-	n
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	species of gourd	0	ʂ	a	t	a	-	-
Fuzzy			ʂ:100	a:100	t:100	a:100	-:100	r^n:90¦-:10
Proto-Panoan			ʂ	a	t	a	r^n	

COGID 399 / «species of hawk»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	species of hawk	0	t	ɨ	t	ɨ	-	ɨ
Chakobo	species of hawk	0	t	ɨ	t	ɨ	p	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	species of hawk	0	t	ɨ	t	-	-	ɨ

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language	concept	pos	S1	S2	S3	S4	S5	S6
Kapanawa	species of hawk	0	t	ɨ	t	-	-	ɨ
Katukina	species of hawk	0	t	ɨ	t	-	-	ɨ
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of hawk	0	t	ɨ	t	-	-	ɨ
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	species of hawk	0	t	ɨ	t	-	-	ɨ
Marubo	species of hawk	0	t	ɨ	t	-	-	ɨ
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	species of hawk	0	t	ɨ	t	-	-	ɨ
Sharanawa	species of hawk	0	t	ɨ	t	ɨ	n	-
ShipiboKonibo	species of hawk	0	t	ɨ	t	-	-	ɨ
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			t:100	ɨ:100	t:100	-:60¦ɨ:40	n:60¦-:40	ɨ:100
Proto-Panoan			t	ɨ	t	ɨ	n	

COGID 346 / «species of lizard»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14
Amawaka	species of lizard	0	x	ɨ	k	ɨ	-	-	-	-	-	-	-	-	-	ɨ
Chakobo	species of lizard	0	ş	ɨ	k	-	-	-	-	-	-	-	-	-	-	ɨ
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14
Kakataibo	species of lizard	0	ṣ	ɨ	k	-	-	-	-	-	-	-	-	-	-	ɨ
Kapanawa	species of lizard	0	ṣ	ɨ	k	-	-	-	-	-	-	-	-	-	-	ɨ
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of lizard	0	s	ɨ	k	-	-	-	-	-	-	-	-	-	-	ɨ
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	species of lizard	0	ṣ	ɨ	k	-	-	-	-	-	-	-	-	-	-	ɨ
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	species of lizard	0	ṣ	ɨ	k	ɨ	d	k	a	p	ɨ	d	w	a	s	a
Mayoruna	species of lizard	0	ṣ	ɨ	k	ɨ	-	-	-	-	-	d	-	-	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shipibo-Konibo	species of lizard	0	ṣ	ɨ	k	-	-	-	-	-	-	-	-	-	-	ɨ
Yaminawa	species of lizard	0	ṣ	ɨ	k	-	-	-	-	-	-	-	-	-	-	ɨ
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			ṣ:100	ɨ:100	k:100	ɨ:90¦-:10	-:100	-:100	-:100	-:100	-:100	tʳ:90¦-:10	-:100	-:100	-:100	ɨ:60¦i:40
Proto-Panoan			ṣ	ɨ	k	ɨ	tʳ									

COGID 25 / «species of mollusc»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
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	
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.i	
Fuzzy			tʃ:100	a:100	~:80¦-:20	p:100	i:100	ʃ:100	-:100
Proto-Panoan			tʃ	a	~	p	i	ʃ	

COGID 174 / «species of monkey»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	species of monkey	0	n	a	~	ʔ	i	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	species of monkey	0	n	a	-	ʔ	i	n
Katukina	species of monkey	0	n	a	-	-	i	n

language	concept	pos	S1	S2	S3	S4	S5	S6
Kaxarari	species of monkey	0	n	a	l	-	i	-
Kaxinawa	species of monkey	0	n	a	-	~	i	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	species of monkey	0	n	a	-	~	i	-
Marubo	species of monkey	0	n	a	-	~	i	-
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	species of monkey	0	n	a	-	-	i	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	species of monkey	0	n	a	-	-	i	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			n:100	a:100	-:80¦r:20	?:100	i:100	r:70¦-:30
Proto-Panoan			n	a	?	i	r	

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	-	ɾ	ɨ	-	-
Kapanawa	species of palm	0	β	o	?	ɾ	ɨ	-	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of palm	0	b	u	-	-	-	d	ɨ
Korubo	species of palm	0	β	o	-	ɬ	ɨ	t	-

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Marinawa	species of palm	0	ɸ	o	-	ɾ	ɨ	~	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	species of palm	0	b	u	-	ɾ	ɨ	d	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	species of palm	0	ɸ	u	-	ɾ	ɨ	-	-
Sharanawa	species of palm	0	ɸ	o	-	ɾ	ɨ	-	-
ShipiboKonibo	species of palm	0	β	o	-	r	ɨ	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			β:100	o:90¦o.ʔ:1θ	θ:60¦ʔ:40	ɾ:100	ɨ:100	t:90¦tʳ:10	-:100
Proto-Panoan			β	o	ʔ	ɾ	ɨ	t	

COGID 384 / «species of palm»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	species of palm	0	t	a	o	-	-	-
Chakobo	species of palm	0	t	a	o	a	w	a
Chaninawa			Ø	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	Ø
Kaxinawa	species of palm	0	t	a	u	-	-	-
Korubo	species of palm	0	t	a	o	a	d	-

language	concept	pos	S1	S2	S3	S4	S5	S6
Marinawa	species of palm	0	t	a	o	-	-	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis	species of palm	0	t	a	o	a	d	-
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	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 Proto-Panoan			t:100 t	a:100 a	o:100 o	-:100 a	t^r:100 t^r	-:100

COGID 320 / «species of plant»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	species of plant	0	ʃ	i	-	k	o	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	species of plant	0	ʃ	i	-	k	o	~
Kapanawa	species of plant	0	ʃ	i	n	k	o	n
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of plant	0	ʃ	i	-	k	u	-
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

language	concept	pos	S1	S2	S3	S4	S5	S6
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			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			ʃ:100	i:100	-:100	k:100	o:100	-:90¦rⁿ:10
Proto-Panoan			ʃ	i	k	o	rⁿ	

COGID 275 / «species of sloth»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	species of sloth	0	p	o	-	s	ɨ	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	species of sloth	0	p	o	-	s	ɨ	-
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø
Katukina	species of sloth	0	p	u	n	s	i	-
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa			Ø	Ø	Ø	Ø	Ø	Ø
Korubo	species of sloth	0	p	u	-	s	ɨ	n
Marinawa	species of sloth	0	p	o	-	s	ɨ	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis	species of sloth	0	p	u	-	s	ɨ	n
Mayoruna	species of sloth	0	p	o	-	s	ɨ	n
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	species of sloth	0	p	u	-	s	ɜ	~
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	species of sloth	0	p	o	~	s	ɨ	-

language	concept	pos	S1	S2	S3	S4	S5	S6
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			p:100	o:100	-:90¦~:10	s:100	ɨ:100	rⁿ:90¦-:10
Proto-Panoan			p	o	s	ɨ	rⁿ	

COGID 321 / «species of spider»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	species of spider	0	ʃ	i	n	a	x	o	k	o
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	species of spider	0	ʃ	i	n	a	k	o	ʃ	o
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of spider	0	ʃ	i	n	a	ʃ	u	k	u
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	species of spider	0	ʃ	i	n	a	n	i	ɸ	o
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	species of spider	0	ş	i	n	-	-	-	-	a
Sharanawa	species of spider	0	ş	i	n	a	n	i	ɸ	o
ShipiboKonibo	species of spider	0	ʃ	i	n	a	k	o	ş	o
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	species of spider	0	ʃ	i	n	-	-	-	-	a
Fuzzy			ʃ:100	i:100	rⁿ:100	a:100	-:100	o:80¦-:20	-:100	a:70¦o:30

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language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Proto-Panoan			ʃ	i	rⁿ	a				

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	ʔ	-	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	species of tick	0	-	a	-	-	i	-
Kapanawa	species of tick	0	j	a	ʔ	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	ɨ	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
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			j:100	a:100	ʔ:100	-:50¦n:30¦r:10¦rⁿ:10	a:100	rⁿ:80¦-:10¦r:10
Proto-Panoan			j	a	ʔ	r	a	rⁿ

COGID 5 / «species of tree»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	species of tree	0	w	o	-	k	o	∼	-
Chakobo	species of tree	0	β	o	-	k	o	n	o
Chaninawa			∅	∅	∅	∅	∅	∅	∅
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	n	k	u	n	-
Kaxarari			∅	∅	∅	∅	∅	∅	∅
Kaxinawa	species of tree	0	b	u	-	k	u	∼	-
Korubo			∅	∅	∅	∅	∅	∅	∅
Marinawa	species of tree	0	ɸ	o	-	k	o	∼	-
Marubo			∅	∅	∅	∅	∅	∅	∅
Matis	species of tree	0	b	u	-	k	u	-	-
Mayoruna	species of tree	0	b	u	-	k	u	-	-
Poyanawa			∅	∅	∅	∅	∅	∅	∅
Shanenawa			∅	∅	∅	∅	∅	∅	∅
Sharanawa	species of tree	0	ɸ	o	-	k	o	-	-
ShipiboKonibo	species of tree	0	β	o	-	k	o	-	-
Yaminawa			∅	∅	∅	∅	∅	∅	∅
Yawanawa			∅	∅	∅	∅	∅	∅	∅
Fuzzy			β:100	o:100	-:100	k:100	o:100	r^n:80¦m:20	-:100
Proto-Panoan			β	o	k	o	r^n		

COGID 493 / «species of tree (Phyllanthaceae)»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	species of tree (Phyllanthaceae)	0	w	ɨ	p	o	~	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa	species of tree (Phyllanthaceae)	0	ɸ	ɨ	p	o	-	-
Kakataibo	species of tree (Phyllanthaceae)	0	β	ɨ	p	i	~	-
Kapanawa	species of tree (Phyllanthaceae)	0	β	ɨ	p	o	n	-
Katukina	species of tree (Phyllanthaceae)	0	β	ɨ	p	u	-	i
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of tree (Phyllanthaceae)	0	b	i	p	u	~	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	species of tree (Phyllanthaceae)	0	ɸ	ɨ	p	o	-	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	species of tree (Phyllanthaceae)	0	b	ɨ	p	i	n	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	species of tree (Phyllanthaceae)	0	β	ɨ	p	o	-	~
Yaminawa	species of tree (Phyllanthaceae)	0	ɸ	ɨ	p	o	-	i
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			β:100	ɨ:100	p:100	o:100	n:90¦r^n:10	-:100
Proto-Panoan			β	ɨ	p	o	n	

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

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	species of tree and it's fruit	0	h	ɨ	-	tʃ	i	w	i	~
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language concept		pos	S1	S2	S3	S4	S5	S6	S7	S8
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	species of tree and it's fruit	0	-	i	-	tʃ	i	β	i	~
Kapanawa	species of tree and it's fruit	0	h	ɨ	-	tʃ	i	β	i	n
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	species of tree and it's fruit	0	-	i	ʃ	tʃ	i	b	i	~
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	species of tree and it's fruit	0	-	i	-	tʃ	i	ɸ	i	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	species of tree and it's fruit	0	-	i	-	tʃ	i	b	i	n
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	species of tree and it's fruit	0	-	i	-	tʃ	i	ɸ	i	-
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yaminawa	species of tree and it's fruit	0	-	i	-	tʃ	i	ɸ	i	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			h:100	i:90¦i.ʃ:10	ʃ:80¦-:20	tʃ:100	i:100	β:100	i:100	rⁿ:100
Proto-Panoan			h	i	ʃ	tʃ	i	β	i	

COGID 397 / «sprout»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	sprout	0	t	ɨ	x	k	a	~
Chakobo	sprout	0	t	ɨ	ʂ	k	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	sprout	0	t	ɨ	ʂ	k	a	~
Kapanawa	sprout	0	t	ɨ	ʂ	k	a	n
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	sprout	0	t	i	ʂ	k	a	~

language	concept	pos	S1	S2	S3	S4	S5	S6
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	sprout	0	t	ɨ	ʂ	k	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	sprout	0	t	u	ʂ	k	a	-
Sharanawa	sprout	0	t	ɨ	ʂ	k	a	-
ShipiboKonibo	sprout	0	t	ɨ	ʂ	k	a	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			t:100	ɨ:100	ʂ:100	k:100	a:100	rⁿ:90¦-:10
Proto-Panoan			t	ɨ	ʂ	k	a	r^n

COGID 436 / «star»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	star	0	w	i	ʃ	-	-	-	i	-	-
Chakobo	star	0	w	i	ʃ	t	i	m	a	-	-
Chaninawa	star	0	-	i	ʃ	-	-	-	i	-	-
Kakataibo	star	0	ʔ	i	s	p	-	-	a	-	-
Kapanawa	star	0	w	i	ʃ	-	-	-	i	-	-
Katukina	star	0	-	i	ʃ	-	-	-	i	-	-
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	star	0	b	i	ʃ	-	-	-	i	-	-
Korubo	star	0	w	i	s	p	-	-	a	-	-
Marinawa	star	0	ɸ	i	ʃ	-	-	-	i	-	-
Marubo	star	0	-	i	ʃ	-	-	-	i	-	-
Matis	star	0	w	i	s	p	-	-	a	-	-
Mayoruna	star	0	w	i	s	p	-	-	a	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	star	0	-	i	ʃ	t	-	-	i	n	-
Sharanawa	star	0	ɸ	i	ʃ	-	-	-	i	-	-
ShipiboKonibo	star	0	w	i	ʃ	t	-	-	i	-	-
Yaminawa	star	0	-	i	ʃ	t	i	ɸ	ɨ	r	o
Yawanawa	star	0	-	i	ʃ	t	-	-	i	n	-
Fuzzy			w:100	i:100	s:100	t:50¦-:50	-:100	-:100	-:80¦i:20	-:100	-:100

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Proto-Panoan			w	i	s						

COGID 432 / «stick»

language	concept	pos	S1	S2	S3	S4
Amawaka	stick	0	w	i	n	o
Chakobo			Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo	stick	0	-	i	n	o
Kapanawa	stick	0	w	i	n	o
Katukina			Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	stick	0	b	i	n	u
Korubo			Ø	Ø	Ø	Ø
Marinawa	stick	0	ɸ	i	n	o
Marubo	stick	0	w	i	n	o
Matis			Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø
Sharanawa	stick	0	ɸ	i	n	o
ShipiboKonibo	stick	0	w	i	n	o
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø
Fuzzy			w:100	i:100	r^n:100	o:100
Proto-Panoan			w	i	n	o

COGID 129 / «stone»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	stone	0	m	a	-	k	a	-	-	-	~
Chakobo	stone	0	m	a	-	k	a	n	-	-	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	stone	0	m	a	n	k	a	n	-	-	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Kaxinawa	stone	0	m	a	~	k	a	-	-	-	~
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marubo	stone	0	m	a	-	k	a	n	tʃ	i	u
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	stone	0	m	a	-	k	a	-	-	-	~
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			m:100	a:100	-:100	k:100	a:100	-:70¦rⁿ:30	-:100	-:100	-:100
Proto-Panoan			m	a	k	a					

COGID 495 / «tapir»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	tapir	0	ʔ	a	-	a	-	-
Chakobo	tapir	0	ʔ	a	w	a	r	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	tapir	0	ʔ	ɔ	-	ɔ	-	-
Kapanawa	tapir	0	ʔ	a	w	a	-	-
Katukina	tapir	0	-	a	w	a	-	-
Kaxarari	tapir	0	-	a	w	a	tʃ	a
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	ʔ	a	w	a	-	-
Yaminawa	tapir	0	-	a	ɸ	a	-	-
Yawanawa	tapir	0	-	a	w	a	-	-
Fuzzy			ʔ:100	a:100	w:100	a:100	ɽ:80¦tʳ:10¦t:10	-:100

language	concept	pos	S1	S2	S3	S4	S5		S6
Proto-Panoan			ʔ	a	w	a	ɽ		

COGID 378 / «tapiri, temporary home»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	tapiri, temporary home	0	t	a	-	p	a	s	-
Chakobo	tapiri, temporary home	0	t	a	-	p	a	s	a
Chaninawa	tapiri, temporary home	0	t	a	-	p	a	s	-
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	tapiri, temporary home	0	t	a	ʔ	p	a	s	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	tapiri, temporary home	0	t	a	-	p	a	s	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	tapiri, temporary home	0	t	a	-	p	a	s	ɨ
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	tapiri, temporary home	0	t	a	-	p	a	s	i
ShipiboKonibo	tapiri, temporary home	0	t	a	-	p	a	s	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			t:100	a:100	?:90¦-:10	p:100	a:100	s:100	-:100
Proto-Panoan			t	a	?	p	a	s	

COGID 488 / «tear»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	tear	0	w	ɨ	?	o	~	-
Chakobo	tear	0	β	ɨ	?	o	n	o
Chaninawa	tear	0	ɸ	ɨ	-	o	n	-
Kakataibo	tear	0	β	ɨ	-	o	~	-
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	tear	0	b	ɨ	-	o	m	i
Kaxinawa	tear	0	b	ɨ	-	u	~	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	tear	0	ɸ	ɨ	-	o	~	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis	tear	0	b	ɨ	-	u	n	-
Mayoruna	tear	0	b	ɨ	-	u	n	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	tear	0	ɸ	ɨ	-	o	n	-
ShipiboKonibo	tear	0	β	ɨ	-	o	~	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			β:100	ɨ:100	?:100	o:100	m:90¦rⁿ:10	-:100
Proto-Panoan			β	ɨ	?	o	m	

COGID 177 / «termite»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	termite	0	n	a	k	a	x	-	
Chakobo	termite	0	n	a	k	a	ʂ	a	
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Kakataibo	termite	0	n	a	kʷ	a	ʂ	-	
Kapanawa	termite	0	n	a	k	a	ʂ	-	
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	
Kaxarari	termite	0	n	a	k	a	ʃ	a	
Kaxinawa	termite	0	n	a	k	a	ʂ	-	
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	
Marinawa	termite	0	n	a	k	a	ʂ	ɨ	
Marubo	termite	0	n	a	k	a	ʂ	ɨ	
Matis	termite	0	n	a	k	a	ʂ	-	
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	
Shanenawa	termite	0	n	a	k	a	ʂ	i	
Sharanawa	termite	0	n	a	k	a	ʂ	ɨ	
ShipiboKonibo	termite	0	n	a	k	a	ʂ	-	
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	
Yawanawa	termite	0	n	a	k	a	ʂ	ɨ.n	
Fuzzy			n:100	a:100	kʷ:100	a:100	ʂ:100	ɨ:70¦-:30	-:100
Proto-Panoan			n	a	kʷ	a	ʂ	ɨ	

COGID 461 / «that much»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chakobo	that much	0	-	-	h	a	t	i	-	-
Chaninawa	that much	0	n	a	t	i	ɸ	-	-	i
Kakataibo	that much	0	-	a	t	i	-	a	n	-
Kapanawa	that much	0	h	a	t	i	ʔ	-	β	i
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	that much	0	h	a	t	i	b	i	-	-
Korubo	that much	0	-	a	t	e	t	-	-	-

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Marinawa	that much	0	n	a	t	i	ɸ	i	-	i
Marubo	that much	0	-	a	-	a	t	i	-	-
Matis	that much	0	-	-	t	e	d	-	-	-
Mayoruna	that much	0	-	-	t	e	d	-	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	that much	0	-	-	t	i	-	-	-	-
Sharanawa	that much	0	-	a	t	i	ṣ	o	n	-
ShipiboKonibo	that much	0	-	-	h	a	t	i	-	-
Yaminawa	that much	0	-	-	t	i	-	i	-	-
Yawanawa	that much	0	-	a	w	ɨ	t	i	-	-
Fuzzy			h:70¦-:30	a:70¦-:30	t:100	i:60¦ɨ:30¦-:10	t:100	-:80¦i:20	-:100	-:100
Proto-Panoan			h	a	t	i	t			

COGID 91 / «thick»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	thick	0	k	ɨ	s	t	o	o
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	thick	0	k	ɨ	ṣ	t	-	o
Kapanawa	thick	0	k	ɨ	ṣ	t	-	o
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	thick	0	k	ɨ	ṣ	t	-	u
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	thick	0	k	ɨ	ṣ	t	-	o
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	thick	0	k	ɨ	ʂ	t	-	u
Sharanawa	thick	0	k	ɨ	ʂ	t	-	o
ShipiboKonibo	thick	0	k	ɨ	ʂ	t	-	o
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			k:100	ɨ:100	ʂ:100	t:100	-.n:90¦-:10	o:100
Proto-Panoan			k	ɨ	ʂ	t	o	n

COGID 305 / «unclear»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	unclear	0	r	i	-	-	s	i
Chakobo	thread	0	r	i	s	i	s	i
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	thread, rope	0	r	i	-	-	s	i
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø
Katukina	thread	0	r	i	s	i	s	-
Kaxarari	thread	0	tʃ	i	tʃ	i	s	i
Kaxinawa	thread	0	d	i	-	-	s	i
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	thread	0	r	i	-	-	s	i
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			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			ɾ:100	i:100	s:100	i:80¦-:20	s:100	i:100
Proto-Panoan			ɾ	i	s	i	s	

COGID 458 / «thread, line, rope»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	thread, line, rope	0	j	o	m	a	~
Chakobo			Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	thread, line, rope	0	ɲ	o	m	a	~
Kapanawa	thread, line, rope	0	j	o	m	ɨ	n
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	thread, line, rope	0	j	u	m	ɨ	-
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	thread, line, rope	0	j	o	m	ɨ	-
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	thread, line, rope	0	j	o	m	ɨ	n
ShipiboKonibo	thread, line, rope	0	j	o	m	a	~
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			j:100	o:100	m:100	a:90¦ɨ:10	rⁿ:100
Proto-Panoan			j	o	m	a	rⁿ

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	Ø
Kakataibo	thread, rope	0	r	i	s	-	-	-	i	-

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Kapanawa	thread, rope	0	r	i	s	β	-	-	i	-
Katukina	thread, rope	0	r	i	s	-	i	β	i	-
Kaxarari			∅	∅	∅	∅	∅	∅	∅	∅
Kaxinawa	thread, rope	0	d	i	s	p	-	-	i	-
Korubo			∅	∅	∅	∅	∅	∅	∅	∅
Marinawa	thread, rope	0	r	i	s	ɸ	-	-	i	-
Marubo			∅	∅	∅	∅	∅	∅	∅	∅
Matis			∅	∅	∅	∅	∅	∅	∅	∅
Mayoruna			∅	∅	∅	∅	∅	∅	∅	∅
Poyanawa	thread, rope	0	r	i	s	β	-	-	ɨ	-
Shanenawa			∅	∅	∅	∅	∅	∅	∅	∅
Sharanawa	thread, rope	0	r	ɨ	s	ɸ	-	-	i	-
ShipiboKonibo	thread, rope	0	r	i	s	β	-	-	i	-
Yaminawa	thread, rope	0	r	i	s	ɸ	i	tʃ	i	~
Yawanawa	thread, rope	0	ɾ	ɨ	s	β	-	-	i	n
Fuzzy			ɾ:100	i:100	s:90¦s.i:10	β:100	i:60¦-:40	tʃ:70¦-:30	i:100	-:90¦tʃ:10
Proto-Panoan			ɾ	i	s	i	β	i	tʃ	i

COGID 285 / «to be ashamed, to feel ashamed»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Amawaka	to be ashamed, to feel ashamed	0	r	a	w	i	t	-	ɨ	n	-	ɨ
Chakobo	to be ashamed, to feel ashamed	0	r	a	β	i	-	-	-	-	-	-
Chaninawa			∅	∅	∅	∅	∅	∅	∅	∅	∅	∅

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Kakataibo	to be ashamed, to feel ashamed	0	r	a	b	i	-	-	-	-	-	-
Kapanawa	to be ashamed, to feel ashamed	0	r	a	β	i	-	-	-	n	-	-
Katukina	to be ashamed, to feel ashamed	0	r	a	β	i	n	-	-	n	a	i
Kaxarari			∅	∅	∅	∅	∅	∅	∅	∅	∅	∅
Kaxinawa	to be ashamed, to feel ashamed	0	d	a	b	i	-	-	-	-	-	-
Korubo			∅	∅	∅	∅	∅	∅	∅	∅	∅	∅
Marinawa	to be ashamed, to feel ashamed	0	r	a	ɸ	i	-	-	-	-	-	-
Marubo			∅	∅	∅	∅	∅	∅	∅	∅	∅	∅
Matis	to be ashamed, to feel ashamed	0	d	a	b	i	n	k	i	n	-	-
Mayoruna			∅	∅	∅	∅	∅	∅	∅	∅	∅	∅
Poyanawa			∅	∅	∅	∅	∅	∅	∅	∅	∅	∅
Shanenawa			∅	∅	∅	∅	∅	∅	∅	∅	∅	∅
Sharanawa	to be ashamed, to feel ashamed	0	r	a	ɸ	i	-	-	-	-	-	-
Shipibo-Konibo	to be ashamed, to feel ashamed	0	r	a	β	i	-	-	-	-	-	-
Yaminawa	to be ashamed, to feel ashamed	0	r	a	ɸ	i	~	k	i	-	-	-
Yawanawa	to be ashamed, to feel ashamed	0	ɾ	a	β	i	-	-	-	-	-	-
Fuzzy			ɾ:100	a:100	β:100	i:100	-:100	:100	:100	:70¦rⁿ:20¦...:100	:100	:100
Proto-Panoan			ɾ	a	β	i	rⁿ					

COGID 395 / «to break»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	to break	0	t	ɨ	-	k	-	ɨ	
Chakobo	to break	0	t	ɨ	-	k	-	ɨ	
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	
Kakataibo	to break	0	t	ɨ	-	k	-	ɨ	
Kapanawa	to break	0	t	ɨ	?	k	-	ɨ	
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	
Kaxinawa	to break	0	t	ɨ	-	k	-	ɨ	
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	
Matis	to break	0	-	ɨ	-	k	-	ɨ	
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	
Sharanawa	to break	0	t	ɨ	-	k	ɨ	i	
ShipiboKonibo	to break	0	t	ɨ	-	k	-	ɨ	
Yaminawa	to break	0	t	ɨ	-	k	a.k	i	
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	
Fuzzy			t:100	ɨ:100	?:90¦-:10	k:100	-:100	-:100	ɨ:100
Proto-Panoan			t	ɨ	?	k	ɨ		

COGID 228 / «to breathe»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	to breathe	0	h	o	-	w	-	-	i
Chakobo	to breathe	0	h	o	-	-	-	-	i
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to breathe	0	-	o	-	-	-	-	i
Kapanawa	to breathe	0	h	o	i	n	-	-	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Kaxarari	to breathe	0	ɦ	ɯ	i	w	ɛ	ɦ	i
Kaxinawa	to breathe	0	h	u	i	d	u	k	u
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
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			Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	to breathe	0	h	o	-	-	-	-	i
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			h:100	o:100	-:90¦i:10	n:80¦-:20	-:100	-:90¦k:10	-:70¦i:30
Proto-Panoan			h	o	i	n			

COGID 126 / «to bury»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	to bury	0	m	a	i	-	-	-	-	-	-
Chakobo	to bury	0	m	a	i	-	-	-	-	-	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to bury	0	m	a	i	-	-	-	-	-	~
Kapanawa	to bury	0	m	a	i	n	m	a	ʔ	p	o
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to bury	0	m	a	i	-	-	-	-	w	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	to bury	0	m	a	i	-	-	-	-	w	a

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	to bury	0	m	i	i	-	-	-	-	-	~
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			m:100	a:100	i:100	-:100	-:100	-:100	ʔ:100	r^n:90¦-:10	-:90¦o:10
Proto-Panoan			m	a	i	r^n					

COGID 503 / «to catch»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	to catch	0	w	i	-	-	-	-
Chakobo	to catch	0	β	i	-	-	-	-
Chaninawa	to catch	0	ɸ	i	-	-	i	-
Kakataibo	to catch	0	β	i	-	-	-	-
Kapanawa	to catch	0	β	i	-	-	-	-
Katukina	to catch	0	β	i	-	a	i	-
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to catch	0	b	i	-	-	-	-
Korubo	to catch	0	b	e	t	-	-	-
Marinawa	to catch	0	ɸ	i	-	-	-	-
Marubo	to catch	0	v	i	-	-	-	-
Matis	to catch	0	b	e	d	k	i	n
Mayoruna	to catch	0	b	e	d	-	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	to catch	0	ɸ	i	-	-	i	-
ShipiboKonibo	to catch	0	β	i	-	-	-	-
Yaminawa	to catch	0	ɸ	i	-	-	-	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			β:100	i:100	t^r:60¦t:40	-:100	-:100	-:100
Proto-Panoan			β	i	t^r			

COGID 289 / «to cover, to embrace»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	to cover, to embrace	0	r	a	-	k	o	-	-	-
Chakobo	to cover, to embrace	0	r	a	-	k	o	-	i	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to cover, to embrace	0	r	a	-	k	u	t	i	-
Kapanawa	to cover, to embrace	0	r	a	ʔ	k	o	k	i	n
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to cover, to embrace	0	d	a	-	k	u	-	-	-
Korubo	to cover, to embrace	0	ɫ	a	-	k	u	t	e	-
Marinawa	to cover, to embrace	0	r	a	-	k	o	-	-	-
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	to cover, to embrace	0	r	a	-	k	o	t	i	-
ShipiboKonibo	to cover, to embrace	0	r	a	-	k	o	-	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			ɾ:100	a:100	ʔ:60¦-:40	k:100	o:100	-:100	-:100	-:100
Proto-Panoan			ɾ	a	k	o				

COGID 431 / «to cry»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	to cry	0	w	i	n	i	ʔ	i	-

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Chakobo	to cry	0	w	i	n	-	-	i	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to cry	0	-	i	-	-	-	-	-
Kapanawa	to cry	0	w	i	n	-	-	i	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	to cry	0	w	i	ʃ	a	h	i	-
Kaxinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Korubo	to cry	0	w	i	-	-	-	-	n
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	to cry	0	w	i	n	-	k	i	n
Mayoruna	to cry	0	w	i	-	-	-	-	n
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	to cry	0	ɸ	i	n	-	-	i	-
ShipiboKonibo	to cry	0	w	i	n	-	-	i	-
Yaminawa	to cry	0	w	i	-	-	-	a	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			w:100	i:100	r^n:80¦-:20	-:100	-:100	-:100	-:100
Proto-Panoan			w	i	r^n				

COGID 496 / «to cut»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	to cut	0	w	ɨ	s	t	ɨ	-	ɨ	-	-
Chakobo	to cut	0	β	ɨ	s	t	ɨ	k	ɨ	-	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to cut	0	β	ɨ	s	t	-	-	ɨ	-	-
Kapanawa	to cut	0	β	ɨ	s	t	ɨ	k	i	n	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	to cut	0	b	u	s	t	ɨ	-	a	t	u
Kaxinawa	to cut	0	b	ɨ	s	t	-	-	ɨ	-	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	to cut	0	ɸ	ɨ	s	t	-	-	ɨ	-	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	to cut	0	b	ɨ	ʂ	t	-	-	e	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	to cut	0	ɸ	ɨ	s	t	ɨ	-	i	-	-
ShipiboKonibo	to cut	0	β	ɨ	s	t	-	-	ɨ	-	-
Yaminawa	to cut	0	m	ɨ	ʂ	t	-	-	ɨ	-	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			β:100	ɨ:100	s:100	t:100	ɨ:50¦-:50	-:100	ɨ:100	-:100	-:100
Proto-Panoan			β	ɨ	s	t	ɨ				

COGID 299 / «to fall»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	to fall	0	r	ɨ	-	r	a	-	-
Chakobo	to fall	0	r	ɨ	-	r	a	-	-
Chaninawa	to fall	0	r	ɨ	-	r	a	-	i
Kakataibo	to fall	0	r	ɨ	-	-	-	-	-
Kapanawa	to fall	0	r	ɨ	-	r	a	-	-
Katukina	to cut	0	ɾ	ɨ	-	ɾ	a	a	i
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to fall	0	d	ɨ	d	-	a	-	-
Korubo	to fall	0	d	ɨ	d	-	-	-	-
Marinawa	to fall	0	r	ɨ	-	r	a	-	-
Marubo	to fall	0	r	ɨ	-	r	a	-	-
Matis	to fall	0	d	ɨ	d	k	i	n	-
Mayoruna	to fall	0	d	ɨ	d	-	-	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	to fall	0	r	ɨ	-	r	a	-	i
ShipiboKonibo	to fall	0	r	ɨ	-	r	a	-	-
Yaminawa	to fall	0	r	ɨ	-	r	a	k	i
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			ɾ:100	ɨ:100	tʳ:90¦-:10	ɾ:90¦-:10	-:50¦a:50	-:100	-:100
Proto-Panoan			ɾ	ɨ	ɾ				

COGID 148 / «to cut hair»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	to cut hair	0	m	a	x	k	-	-	o
Chakobo	to cut hair	0	m	a	ʂ	k	-	-	o
Chaninawa			∅	∅	∅	∅	∅	∅	∅
Kakataibo	to cut hair	0	m	a	ʂ	k	-	-	o
Kapanawa			∅	∅	∅	∅	∅	∅	∅
Katukina			∅	∅	∅	∅	∅	∅	∅
Kaxarari			∅	∅	∅	∅	∅	∅	∅
Kaxinawa	to cut hair	0	m	a	ʂ	k	u	ɾ	u
Korubo			∅	∅	∅	∅	∅	∅	∅
Marinawa	to cut hair	0	m	a	ʂ	k	-	-	o
Marubo			∅	∅	∅	∅	∅	∅	∅
Matis			∅	∅	∅	∅	∅	∅	∅
Mayoruna			∅	∅	∅	∅	∅	∅	∅
Poyanawa			∅	∅	∅	∅	∅	∅	∅
Shanenawa			∅	∅	∅	∅	∅	∅	∅
Sharanawa			∅	∅	∅	∅	∅	∅	∅
ShipiboKonibo	to cut hair	0	m	a	ʂ	k	-	-	o
Yaminawa			∅	∅	∅	∅	∅	∅	∅
Yawanawa			∅	∅	∅	∅	∅	∅	∅
Fuzzy			m:100	a:100	ʂ:100	k:100	-:100	-:60¦ɽ:40	o:100
Proto-Panoan			m	a	ʂ	k	o	ɽ	

COGID 58 / «to desire»

language	concept	pos	S1	S2	S3	S4
Amawaka	to desire	0	k	ɨ	ɨ	~
Chakobo	to desire	0	k	ɨ	ɨ	-
Chaninawa			∅	∅	∅	∅
Kakataibo	to desire	0	kʷ	ɨ	ɨ	~
Kapanawa	to desire	0	k	ɨ	ɨ	n
Katukina			∅	∅	∅	∅
Kaxarari			∅	∅	∅	∅

language	concept	pos	S1	S2	S3	S4
Kaxinawa	to desire	0	k	ɨ	~	-
Korubo			Ø	Ø	Ø	Ø
Marinawa	to desire	0	k	ɨ	ɨ	~
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	ɨ	ɨ	~
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø
Fuzzy			k^w:100	ɨ:100	ɨ:100	~:60¦r^n:40
Proto-Panoan			k^w	ɨ	ɨ	~

COGID 2 / «to devour»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	to devour	0	ʔ	a	j	a	k	-	i	n	-
Chakobo	to devour	0	-	a	-	-	k	a	i	n	a
Chaninawa	to devour	0	-	a	j	-	-	a	i	-	-
Kakataibo	to devour	0	-	-	ʔ	-	-	e	e	-	-
Kapanawa	to devour	0	ʔ	a	ʔ	-	k	-	i	n	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to devour	0	-	a	j	-	-	a	-	-	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Marinawa	to devour	0	-	a	j	-	-	a	-	-	-
Marubo	to devour	0	-	a	-	-	k	-	i	-	-
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	to devour	0	-	a	j	-	-	a	-	-	-
Sharanawa	to devour	0	-	a	j	-	-	a	i	-	-
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	to devour	0	-	a	j	-	-	a	-	-	-
Fuzzy			ʔ:100	a:100	j:100	-:100	-:70¦k:30	a:60¦ɨ:20¦:20	ɨ:80¦ɨ:10¦:10	-:90¦rⁿ:10	-:100
Proto-Panoan			ʔ	a	j	a					

COGID 202 / «to drag»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	to drag	0	n	i	-	n	i
Chakobo	to drag	0	n	i	-	n	i
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	to drag	0	n	i	-	-	-
Kapanawa	to drag	0	n	i	-	n	i
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	to drag	0	n	i	-	n	i
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	to drag	0	n	i	i	n	i
Marubo			Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5
Mayoruna	to drag	0	n	i	-	n	-
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	to drag	0	n	i	-	n	i
Sharanawa	to drag	0	n	i	-	n	i
ShipiboKonibo	to drag	0	n	i	-	n	i
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			r^n:100	i:100	-:100	r^n:100	-:50¦i:50
Proto-Panoan			r^n	i	r^n		

COGID 216 / «to extinguish»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	to extinguish	0	n	o	k	-	-	a
Chakobo	to extinguish	0	n	o	k	-	-	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	to extinguish	0	n	o	k	a	?	i
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to extinguish	0	n	u	k	-	-	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	to extinguish	0	n	o	k	-	-	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	to extinguish	0	n	u	k	-	-	a
Sharanawa	to extinguish	0	n	o	k	a	-	i
ShipiboKonibo	to extinguish	0	n	o	k	-	-	a
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6
Yawanawa	to extinguish	0	n	u	k	-	-	a
Fuzzy			r^n:100	o:100	k:100	-:100	ʔ:90¦-:10	a:100
Proto-Panoan			r^n	o	k	a		

COGID 241 / «to fall»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	to fall	0	-	-	p	a	k	ɨ	ɨ	-	-
Chakobo	to fall	0	-	-	p	a	k	ɨ	-	-	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to fall	0	n	i	p	a	k	ɨ	-	t	-
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Katukina	to fall	0	-	-	p	a	k	ɨ	a	-	i
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to fall	0	-	-	p	a	k	ɨ	-	-	-
Korubo	to fall	0	-	-	p	a	k	ɨ	-	t	-
Marinawa	to fall	0	-	-	p	a	k	ɨ	-	-	-
Marubo	to fall	0	-	-	p	a	k	ɨ	a	-	-
Matis	to fall	0	-	-	p	a	k	ɨ	-	d	-
Mayoruna	to fall	0	-	-	p	a	-	ɨ	-	d	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	to fall	0	-	-	p	a	k	ɨ	-	-	-
Sharanawa	to fall	0	-	-	p	a	k	ɨ	i	-	-
ShipiboKonibo	to fall	0	-	-	p	a	k	ɨ	-	-	-
Yaminawa	to fall	0	-	-	p	a	k	ɨ	-	-	-
Yawanawa	to fall	0	-	-	p	a	k	ɨ	-	-	-
Fuzzy			-:100	-:100	p:100	a:100	k:100	ɨ:100	-	t:70¦tʳ:30-:100	-:100
Proto-Panoan			p	a	k	ɨ	t				

COGID 252 / «to fan»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	to fan	0	p	a	-	j	a	t	i
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	to fan	0	p	a	-	j	a	t	i
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to fan	0	p	a	-	j	-	-	a
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	to fan	0	p	a	i	j	a	t	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	to fan	0	p	a	-	j	a	t	i
ShipiboKonibo	to fan	0	p	a	-	j	-	-	a
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			p:100	a:100	-:100	j:100	-:70¦a:30	-:100	a:100
Proto-Panoan			p	a	j	a			

COGID 287 / «to fear»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	to fear	0	r	a	k	ɨ	-	-	-	-	-
Chakobo	to fear	0	r	a	k	ɨ	-	-	-	-	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to fear	0	r	a	kʷ	ɨ	-	-	-	-	-
Kapanawa	to fear	0	r	a	k	ɨ	-	-	-	-	-
Katukina	to fear	0	r	a	k	ɨ	t	-	-	-	i
Kaxarari	to fear, to be afraid	0	tʃ	a	k	ɨ	t	-	a	j	a
Kaxinawa	to fear	0	d	a	k	ɨ	-	-	-	-	-
Korubo	to fear, to be afraid	0	ɬ	a	kʷ	ɨ	t	-	-	-	-
Marinawa	to fear	0	r	a	k	ɨ	-	-	-	-	-
Marubo	to fear	0	r	a	k	ɨ	-	-	-	-	a

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language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Matis	to fear, to be afraid	0	d	a	k	u	d	k	i	n	-
Mayoruna	to fear	0	d	a	kʷ	ɨ	d	-	-	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	to fear	0	r	a	k	ɨ	-	-	-	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			ɽ:100	a:100	kʷ:100	ɨ:100	-:60¦t:30¦tʳ:10	-:100	:100	:100	:100
Proto-Panoan			ɽ	a	kʷ	ɨ					

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	
Sharanawa	to feel longing	0	m	a	n	o.i	
ShipiboKonibo			Ø	Ø	Ø	Ø	
Yaminawa			Ø	Ø	Ø	Ø	
Yawanawa			Ø	Ø	Ø	Ø	
Fuzzy			m:100	a:100	rⁿ:100	o:90¦o.t:10	-.t:80¦-:20

language	concept	pos	S1	S2	S3	S4	S5
Proto-Panoan			m	a	r^n	o	t

COGID 487 / «to forget, to lose»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	to forget, to lose	0	w	ɨ	-	n	-	-	o	-
Chakobo	to forget, to lose	0	β	ɨ	-	n	-	-	o	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	to forget, to lose	0	β	ɨ	ʔ	n	-	-	o	-
Katukina	to forget, to lose	0	β	i	-	n	u	β	a	i
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to forget, to lose	0	b	ɨ	-	n	u	-	-	-
Korubo	to forget, to lose	0	b	ɨ	-	n	u	t	-	-
Marinawa	to forget, to lose	0	ɸ	ɨ	-	n	-	-	o	-
Marubo	to forget, to lose	0	v	ɨ	-	n	-	-	o	-
Matis	to forget, to lose	0	b	ɨ	-	n	u	d	-	-
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	to forget, to lose	0	f	ɨ	-	n	-	-	u	-
Sharanawa	to forget, to lose	0	ɸ	ɨ	-	n	-	-	o	i
ShipiboKonibo	to forget, to lose	0	β	ɨ	-	n	-	-	o	-
Yaminawa	to forget, to lose	0	ɸ	ɨ	-	n	-	-	o	-
Yawanawa	to forget, to lose	0	β	ɨ	-	n	-	-	u	-

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language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Fuzzy			β:100	ɨ:100	ʔ:60¦-:40	r^n:100	-:100	t^r:70¦-:30	o:100	-:100
Proto-Panoan			β	ɨ	ʔ	r^n	o	t^r		

COGID 236 / «to get drunk, drunk»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Amawaka	to get drunk, drunk	0	p	a	ʔ	-	-	-	-	-	-	ɨ
Chakobo	to get drunk, drunk	0	p	a	ʔ	-	-	-	-	-	-	ɨ
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to get drunk, drunk	0	p	a	-	-	-	-	-	-	-	ɨ
Kapanawa	to get drunk, drunk	0	p	a	ʔ	-	ɨ	n	-	-	-	-
Katukina	to get drunk, drunk	0	p	a	-	-	i	n	k	-	-	i
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to get drunk, drunk	0	p	a	-	ɨ	i	n	k	i	k	i
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	to get drunk, drunk	0	p	a	-	-	-	-	-	-	-	ɨ
Marubo	to get drunk, drunk	0	p	a	-	-	-	-	-	-	-	ɨ
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	to get drunk, drunk	0	p	a	-	-	-	-	-	-	-	ɨ
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	to get drunk, drunk	0	p	a	-	-	-	-	-	-	-	ɨ
ShipiboKonibo	to get drunk, drunk	0	p	a	-	-	-	-	-	-	-	ɨ
Yaminawa	to get drunk, drunk	0	p	a	-	-	-	-	-	-	-	ɨ
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			p:100	a:100	?:100	-:100	-:100	-:80¦n:20	-:100	-:100	-:100	ɨ:90¦ɨ.n:10
Proto-Panoan			p	a	?	ɨ	n					

COGID 115 / «to give»

language	concept	pos	S1	S2	S3	S4	S5	S6
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	~	-
Kapanawa	to give	0	?	i	n	a	n	-
Katukina	to give	0	-	i	n	a	a	i
Kaxarari	to give	0	j	a	l	i	-	-
Kaxinawa	to give	0	-	i	n	a	~	-
Korubo			Ø	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	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	to give	0	-	i	n	a	n	-
Sharanawa	to give	0	-	i	n	a	n	-
ShipiboKonibo	to give	0	?	i	n	a	~	-
Yaminawa	to give	0	-	i	n	a	~	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			?:100	i:100	n:80¦r:20	a:100	n:70¦r:30	-:100

language	concept	pos	S1	S2	S3	S4	S5	S6
Proto-Panoan			ʔ	i	n	a	r	

COGID 297 / «to grind»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	to grind	0	r	ɨ	n	-	ɨ
Chakobo			Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	to grind	0	r	ɨ	-	-	-
Kapanawa	to grind	0	r	ɨ	n	-	ɨ
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	to grind	0	d	ɨ	n	-	ɨ
Korubo			Ø	Ø	Ø	Ø	Ø
Marinawa	to grind	0	r	ɨ	n	-	ɨ
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	to grind	0	r	ɨ	n	ɨ	i
ShipiboKonibo	to grind	0	r	ɨ	n	-	ɨ
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			ɾ:100	ɨ:100	rⁿ:100	-:100	ɨ:100
Proto-Panoan			ɾ	ɨ	n	ɨ	

COGID 259 / «to look»

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	to look	0	-	o	i	-	n	-	-
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Katukina	to look	0	-	u	i	n	n	a	i
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Kaxinawa	to look	0	-	u	i	~	-	-	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	to look	0	-	o	i	~	-	-	-
Marubo	to look	0	-	o	i	~	-	-	-
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	to look	0	-	u	i	-	n	-	-
Sharanawa	to look	0	-	o	i	-	n	-	-
ShipiboKonibo	to look	0	?	o	i	~	-	-	-
Yaminawa	to look	0	-	o	i	~	k	-	ĩ
Yawanawa	to look	0	-	u	a	-	n	-	-
Fuzzy			?:100	o:100	i:100	r^n:90¦m:10	r^n:60¦-:30¦n:10	-:100	-:100
Proto-Panoan			?	o	i	r^n			

COGID 1 / «to make, to kill»

language	concept	pos	S1	S2	S3
Amawaka	to make, to kill	0	?	a	-
Chakobo	to make, to kill	0	?	a	-
Chaninawa	to make, to kill	0	-	a	-
Kakataibo	to make, to kill	0	?	a	-
Kapanawa	to make, to kill	0	?	a	-
Katukina			Ø	Ø	Ø
Kaxarari	to make, to kill	0	-	a	-
Kaxinawa	to make, to kill	0	-	a	-
Korubo	to make, to kill	0	-	a	k
Marinawa	to make, to kill	0	-	a	-
Marubo	to make, to kill	0	-	a	-
Matis	to make, to kill	0	-	a	k
Mayoruna	to make, to kill	0	-	a	k
Poyanawa			Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø
Sharanawa	to make, to kill	0	-	a	-
ShipiboKonibo	to make, to kill	0	?	a	-
Yaminawa	to make, to kill	0	-	a	k
Yawanawa			Ø	Ø	Ø
Fuzzy			?:100	a:100	k:90¦-:10

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language	concept	pos	S1	S2	S3
Proto-Panoan			?	a	k

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

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	to peel oneself, to change skin	0	x	o	k	o	-	-
Chakobo	to peel oneself, to change skin	0	ş	o	k	o	k	o
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to peel oneself, to change skin	0	ş	o	k	o	-	-
Kapanawa	to peel oneself, to change skin	0	ş	o	k	o	-	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to peel oneself, to change skin	0	ş	u	k	u	-	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	to peel oneself, to change skin	0	ş	o	k	o	-	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	to peel oneself, to change skin	0	ş	u	k	u	d	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	to peel oneself, to change skin	0	ş	o	k	o	-	i
ShipiboKonIbo	to peel oneself, to change skin	0	ş	o	k	o	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			ş:100	o:100	k:100	o:100	-:60¦n:30¦t^r:10	-:100¦i:100
Proto-Panoan			ş	o	k	o	n	

COGID 429 / «to row»

language	concept	pos	S1	S2	S3	S4
Amawaka			Ø	Ø	Ø	Ø
Chakobo			Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo	to row	0	-	i	n	a
Kapanawa	to row	0	w	i	n	a
Katukina			Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa			Ø	Ø	Ø	Ø
Korubo			Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø
Mayoruna	to row	0	-	u	ŋ.k	a
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø
ShipiboKonibo	to row	0	w	i	n	a
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø
Fuzzy			w:90¦-:10	i:100	r^n:100	a:100
Proto-Panoan			w	i	r^n	a

COGID 370 / «to run»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chakobo	to run	0	h	a	β	a	-	-	-	-
Chaninawa			Ø	Ø	Ø	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	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	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	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	to run	0	-	a	b	a	d	k	i	n

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
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	to run	0	-	a	ɸ	a	-	-	i	-
ShipiboKonibo	to run	0	h	a	β	a	-	-	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			h:100	a:100	β:100	a:100	t:60¦-:40	-:100	-:100	-:100
Proto-Panoan			h	a	β	a	t			

COGID 388 / «to run»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	to run	0	t	a	r	a	~	-	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to run	0	t	a	r	a	~	-	-
Kapanawa	to run	0	t	a	r	a	n	-	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to run	0	t	a	d	a	-	~	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	to run	0	t	a	r	a	~	-	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	to run	0	t	a	d	a	n	k	a
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	to run	0	t	a	r	a	-	-	-
ShipiboKonibo	to run	0	t	a	r	a	~	-	-
Yaminawa	to run	0	t	a	r	a	-	-	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			t:100	a:100	ɽ:100	a:100	r^n:100	-:80¦r^n:20	-:100
Proto-Panoan			t	a	ɽ	a	r^n		

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COGID 12 / «to sit»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	to sit	0	ts	a	-	ʔ	o
Chakobo	to sit	0	ts	a	-	ʔ	o
Chaninawa	to sit	0	ts	a	-	-	o
Kakataibo	to sit	0	ts	o	o	t	-
Kapanawa	to sit	0	ts	a	-	ʔ	o
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	to sit	0	ts	a	-	-	u
Korubo	to sit	0	ts	a	-	t	-
Marinawa	to sit	0	ts	a	-	-	o
Marubo	to sit	0	ts	a	-	-	o
Matis	to sit	0	ts	a	-	d	-
Mayoruna	to sit	0	ts	a	-	d	-
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	to sit	0	ts	a	-	-	o
Sharanawa	to sit	0	ts	a	o	-	i
ShipiboKonibo	to sit	0	ts	a	o	t	i
Yaminawa	to sit	0	ts	a	-	-	o
Yawanawa	to sit	0	ts	a	-	-	u
Fuzzy			ts:100	a:100	-:100	t:70¦ʔ:30	o:100
Proto-Panoan			ts	a	ʔ	o	t

COGID 392 / «to step»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	to step	0	h	a	m	a	a	k	i	n
Chakobo	to step	0	h	a	m	-	-	-	a	-
Chaninawa			Ø	Ø	Ø	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	Ø	Ø	Ø
Kaxarari	to step	0	h	a	m	-	a	h	i	-
Kaxinawa	to step	0	h	a	m	-	-	-	a	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	to step	0	-	a	m	-	a	k	-	-

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
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	to step	0	h	a	m	-	-	-	a	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			h:100	a:100	m:100	-:100	-:70¦a:30	k:100	a:100	-:100
Proto-Panoan			h	a	m	a	k			

COGID 64 / «to string together»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	to string together	0	k	ɨ	o	-	-	~	-
Chakobo	to string together	0	k	ɨ	o	-	-	ɨ	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to string together	0	kʷ	ɨ	o	-	-	~	-
Kapanawa	to string together	0	k	ɨ	o	n	k	i	n
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to string together	0	k	ɨ	u	-	-	~	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	to string together	0	k	ɨ	o	-	-	a	~
Marubo	to string together	0	k	ɨ	o	-	-	a	~
Matis	to string together	0	k	u	-	n	k	i	n
Mayoruna	to string together	0	-	a	-	n	k	u	n
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Sharanawa	to string together	0	k	ɨ	o	-	-	i	n
ShipiboKonibo	to string together	0	k	ɨ	o	-	-	~	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			k^w:100	ɨ:100	o:100	-:100	-:100	ɨ:60¦-:40	r^n:90¦-:10
Proto-Panoan			k^w	ɨ	o	r^n			

COGID 348 / «to suck»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	to suck	0	ʔ	o	j	o	k	i	n
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to suck	0	ʔ	o	-	o	k	a	-
Kapanawa	to suck	0	ʔ	o	j	o	-	-	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to suck	0	-	u	j	u	-	-	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	to suck	0	-	o	j	o	-	-	-
Marubo	to suck	0	-	o	j	o	-	-	-
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			Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	to suck	0	ʔ	o	j	o	-	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			ʔ:100	o:100	j:100	o:100	-:60¦k:40	-:100	-:100
Proto-Panoan			ʔ	o	j	o			

COGID 418 / «to sweep»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	to sweep	0	w	a	s	-	-	-	a	-
Chakobo	to sweep	0	w	a	s	-	i	-	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to sweep	0	β	a	s	-	-	-	a	-
Kapanawa	to sweep	0	w	a	s	-	a	k	i	n
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to sweep	0	b	a	s	-	-	-	a	-
Korubo	to sweep	0	β	e	s	-	-	k	a	-
Marinawa	to sweep	0	ɸ	a	s	-	-	-	a	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	to sweep	0	b	e	s	k	a	k	i	n
Mayoruna	to sweep	0	b	e	s	-	-	k	a	-
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	to sweep	0	w	a	s	-	-	-	a	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			w:100	a:100	s:100	-:100	-:100	-:100	a:70¦-:30	-:100
Proto-Panoan			w	a	s					

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^n:100	o:100	r^n:100	o:100
Proto-Panoan			n	o	n	o

COGID 322 / «to think»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Amawaka	to think	0	ʃ	i	-	n	a	-	-	-	~	-
Chakobo	to think	0	ʃ	i	-	n	a	-	-	-	-	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to think	0	s	i	-	n	a	-	-	-	~	-
Kapanawa	to think	0	ʃ	i	-	n	a	-	-	-	n	-
Katukina	to think	0	ʃ	i	n	n	a	n	-	a	-	i
Kaxarari	to think	0	ʃ	i	-	n	ɐ	-	x	i	-	-
Kaxinawa	to think	0	ʃ	i	-	n	a	-	-	-	~	-

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language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	to think	0	ʃ	i	-	n	a	-	-	-	~	-
Marubo	to think	0	ʃ	i	-	n	a	~	-	a	-	~
Matis	to think	0	s	i	-	n	a	n	k	i	n	-
Mayoruna	to think	0	s	i	-	n	a	-	-	-	n	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	to think	0	ʂ	i	-	n	a	-	-	-	n	-
Sharanawa	to think	0	ʃ	i	-	n	a	-	-	i	n	-
ShipiboKonibo	to think	0	ʃ	i	-	n	a	-	-	-	~	-
Yaminawa	to think	0	ʃ	i	-	n	a	-	-	-	~	-
Yawanawa	to think	0	ʃ	i	-	n	a	-	-	-	n	-
Fuzzy			s:100	i:100	-:100	n:100	a:100	-:100	-:100	-:100	r^n:90¦-:10	-:100
Proto-Panoan			s	i	n	a	r^n					

COGID 194 / «to tie»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	to tie	0	n	ɨ	x	-	-	-	a	-
Chakobo	to tie	0	n	ɨ	ʂ	-	-	-	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kapanawa	to tie	0	n	ɨ	ʂ	-	-	-	a	-
Katukina	to tie	0	n	i	ʃ	a	a	-	i	-
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to tie	0	n	ɨ	ʂ	-	-	-	a	-
Korubo	to tie	0	n	ɨ	ʃ	-	-	-	-	-
Marinawa	to tie	0	n	ɨ	ʂ	-	-	-	a	-
Marubo	to tie	0	n	ɨ	ʃ	-	-	-	a	-
Matis	to tie	0	n	ɨ	ʂ	-	-	k	i	n

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Mayoruna	to tie	0	n	ɨ	ʂ	-	-	-	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	to tie	0	n	ɨ	ʂ	-	-	-	a	-
Sharanawa	to tie	0	n	ɨ	ʂ	-	a	-	i	-
ShipiboKonibo	to tie	0	n	ɨ	ʂ	-	-	-	a	-
Yaminawa	to tie	0	n	ɨ	ʂ	-	-	-	ɨ	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			rⁿ:100	ɨ:100	ʂ:100	-:100	-:100	-:100	a:90¦-:10	-:100
Proto-Panoan			rⁿ	ɨ	ʂ	a				

COGID 383 / «to try»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7
Amawaka	to try	0	t	a	n	-	a	-	-
Chakobo	to try	0	t	a	n	-	a	-	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to try	0	t	a	~	-	-	-	-
Kapanawa	to try	0	t	a	n	-	a	-	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	to try	0	t	a	l	-	a	h	i
Kaxinawa	to try	0	t	a	n	-	a	-	-
Korubo	to try	0	t	a	n	-	-	-	-
Marinawa	to try	0	t	a	n	-	a	~	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis	to try	0	t	a	n	k	i	n	-
Mayoruna	to try	0	t	a	n	-	-	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	to try	0	t	a	n	-	a	-	i
ShipiboKonibo	to try	0	t	a	n	-	a	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			t:100	a:100	r:100	-:100	-:60¦a:40	-:100	-:100
Proto-Panoan			t	a	r	a			

COGID 83 / «to want»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	to want	0	-	-	k	a	ts	-	i	-	-
Chakobo	to want	0	-	-	k	a	s	-	-	-	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	to want	0	-	-	k	a	ts	-	i	-	-
Kapanawa	to want	0	-	-	k	a	ts	-	i	ʔ	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari	to want	0	-	-	k	a	ts	-	a	-	-
Kaxinawa	to want	0	-	-	k	a	ts	-	i	-	-
Korubo	to want	0	u	ʃ	k	a	s	-	-	-	-
Marinawa	to want	0	-	-	k	a	ts	-	i	-	-
Marubo	to want	0	-	-	k	a	ts	-	i	-	-
Matis	to want	0	u	ṣ	k	a	s	k	i	n	-
Mayoruna	to want	0	u	ṣ	k	a	s	-	-	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	to want	0	-	-	k	a	s	m	a	-	i
ShipiboKonibo	to want	0	-	-	k	a	s	-	-	-	-
Yaminawa	to want	0	-	-	k	a	ts	-	a	-	-
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			-:100	-:100	k:100	a:100	ts:100	-:100	i:60¦-:40	-:100	-:100
Proto-Panoan			k	a	ts	i					

COGID 156 / «to wet, wet»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	to wet, wet	0	m	ɨ	-	tʃ	-	-	a	-
Chakobo	to wet, wet	0	-	-	-	tʃ	a	-	a	ʂ
Chaninawa	to wet, wet	0	m	ɨ	-	tʃ	-	-	a	-
Kakataibo	to wet, wet	0	-	-	-	tʃ	a	β	a	-
Kapanawa	to wet, wet	0	m	ɨ	ʔ	tʃ	-	-	a	-
Katukina	to wet, wet	0	m	ɨ	-	tʃ	a	-	a	i
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	to wet, wet	0	m	ɨ	-	tʃ	-	-	a	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	to wet, wet	0	m	ɨ	-	tʃ	-	-	a	-
Marubo	to wet, wet	0	m	ɨ	-	tʃ	a	k	a	-
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	to wet, wet	0	m	u	-	tʃ	i	-	a	-
Sharanawa	to wet, wet	0	m	ɨ	-	tʃ	-	-	a	-
ShipiboKonibo	to wet, wet	0	m	ɨ	-	tʃ	-	-	a	-
Yaminawa	to wet, wet	0	m	ɨ	-	tʃ	a	k	a	i
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			m:100	ɨ:80¦ɨ.ʔ:20	ʔ:100	tʃ:100	-:100	-:100	a:100	-:100
Proto-Panoan			m	ɨ	ʔ	tʃ	a			

COGID 478 / «to whisper»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	to whisper	0	β	a	x	ɨ	x	ʔ	-	i
Chakobo	to whisper	0	β	a	ʂ	ɨ	-	ʂ	-	-
Chaninawa			∅	∅	∅	∅	∅	∅	∅	∅
Kakataibo	to whisper	0	β	a	ʂ	ɨ	-	ʂ	-	-
Kapanawa	to whisper	0	β	a	ʂ	ɨ	-	ʂ	-	i
Katukina			∅	∅	∅	∅	∅	∅	∅	∅
Kaxarari			∅	∅	∅	∅	∅	∅	∅	∅
Kaxinawa	to whisper	0	β	a	ʂ	i	-	ʂ	-	-
Korubo			∅	∅	∅	∅	∅	∅	∅	∅
Marinawa	to whisper	0	ɸ	a	ʂ	ɨ	-	ʂ	-	ɨ
Marubo			∅	∅	∅	∅	∅	∅	∅	∅
Matis			∅	∅	∅	∅	∅	∅	∅	∅
Mayoruna			∅	∅	∅	∅	∅	∅	∅	∅
Poyanawa			∅	∅	∅	∅	∅	∅	∅	∅
Shanenawa			∅	∅	∅	∅	∅	∅	∅	∅
Sharanawa	to whisper	0	ɸ	a	ʂ	ɨ	-	ʂ	ɨ	i
ShipiboKonibo	to whisper	0	β	a	ʂ	ɨ	-	ʂ	-	-
Yaminawa			∅	∅	∅	∅	∅	∅	∅	∅
Yawanawa			∅	∅	∅	∅	∅	∅	∅	∅
Fuzzy			β:100	a:100	ʂ:100	ɨ:100	-:100	ʂ:100	-:100	-:60¦ɨ:30¦a:10
Proto-Panoan			β	a	ʂ	ɨ	ʂ	ɨ		

COGID 358 / «transitive concordance suffix»

language	concept	pos	S1	S2	S3
Amawaka	transitive concordance suffix	0	x	o	-
Chakobo	transitive concordance suffix	0	ṣ	o	-
Chaninawa			Ø	Ø	Ø
Kakataibo	transitive concordance suffix	0	ṣ	o	~
Kapanawa	transitive concordance suffix	0	ṣ	o	n
Katukina	transitive concordance suffix	0	ṣ	o	~
Kaxarari	transitive concordance suffix	0	ʃ	u	-
Kaxinawa	transitive concordance suffix	0	ṣ	u	-
Korubo	transitive concordance suffix	0	ṣ	u	n
Marinawa			Ø	Ø	Ø
Marubo	transitive concordance suffix	0	ṣ	o	-
Matis	transitive concordance suffix	0	ṣ	u	n
Mayoruna	transitive concordance suffix	0	ṣ	u	n
Poyanawa			Ø	Ø	Ø
Shanenawa	transitive concordance suffix	0	ṣ	u	n
Sharanawa			Ø	Ø	Ø
ShipiboKonibo	transitive concordance suffix	0	ṣ	o	~
Yaminawa	transitive concordance suffix	0	ṣ	o	~
Yawanawa			Ø	Ø	Ø
Fuzzy			ṣ:100	o:100	n:90¦-:10
Proto-Panoan			ṣ	o	n

COGID 516 / «tree stump»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	tree stump	0	-	-	w	o	ɾ	o	-	-	o
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	tree stump	0	-	-	-	-	β	u	-	ɾ	u
Kapanawa	tree stump	0	h	i	w	i	β	o	ʔ	ɾ	o
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	tree stump	0	-	-	-	-	b	u	d	-	u

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	tree stump	0	-	-	-	-	ɸ	o	-	ɾ	o
Marubo	tree stump	0	-	-	-	-	v	o	-	ɾ	o
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna	tree stump	0	-	-	m	a	b	u	d	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	tree stump	0	-	-	-	-	ɸ	o	-	r	o
ShipiboKonibo	tree stump	0	-	-	-	-	β	o	-	ɾ	o
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			-:100	-:100	-:100	-:100	β:100	o:100	ʔ:80¦tʳ:20	ɾ:100	o:100
Proto-Panoan			β	o	ʔ	ɽ	o	tʳ			

COGID 284 / «two»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
Amawaka	two	0	r	a	w	ɨ	-	-	-	ɨ
Chakobo	two	0	r	a	β	-	-	-	-	ɨ
Chaninawa	two	0	r	a	ɸ	-	-	-	-	ɨ
Kakataibo	two	0	r	a	β	-	-	-	-	ɨ
Kapanawa	two	0	r	a	β	-	-	-	-	ɨ
Katukina	two	0	r	a	β	-	-	-	-	i
Kaxarari	two	0	tʃ	a	b	ɨ	t	-	-	a
Kaxinawa	two	0	d	a	b	-	-	-	-	ɨ
Korubo	two	0	ɬ	a	β	ɨ	t	-	p	a
Marinawa	two	0	r	a	ɸ	-	-	-	-	ɨ
Marubo	two	0	r	a	v	ɨ	v	a	k	i
Matis	two	0	d	a	b	ɨ	d	-	p	a
Mayoruna	two	0	d	a	-	ɨ	d	-	-	-
Poyanawa	two	0	ɾ	a	β	-	-	-	-	u
Shanenawa	two	0	r	a	f	-	-	-	-	u
Sharanawa	two	0	r	a	ɸ	-	-	-	-	ɨ

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language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8
ShipiboKonibo	two	0	r	a	β	-	-	-	-	ɨ
Yaminawa	two	0	r	a	ɸ	-	-	-	-	ɨ
Yawanawa	two	0	ɾ	a	β	-	-	-	-	ɨ
Fuzzy			ɽ:100	a:100	β:100	ɨ:90¦-:10	t:90¦tʳ:10	-:100	-:100	-:80¦ɨ:20
Proto-Panoan			ɽ	a	β	ɨ	t			

COGID 71 / «type of basket»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Amawaka	type of basket	0	-	-	-	k	a	k	-	-	a
Chakobo	type of basket	0	-	-	-	k	a	k	a	n	o
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	type of basket	0	-	-	-	k	a	k	-	-	a
Kapanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	type of basket	0	-	-	-	k	a	k	-	-	a
Korubo	type of basket	0	-	-	-	k	a	k	a	n	-
Marinawa	type of basket	0	-	-	-	k	a	k	-	-	a
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	type of basket	0	u	p	u	k	a	k	a	t	i
ShipiboKonibo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			-:100	-:100	-:100	k:100	a:100	k:100	-	rⁿ:70¦-:30	a:100

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language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9
Proto-Panoan			k	a	k	a	r^n				

COGID 514 / «type of box»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Amawaka	type of box	0	w	o	-	-	-	n	a	~	t	i
Chakobo	type of box	0	β	o	-	n	a	n	a	-	ʔ	a
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	type of box	0	β	o	-	-	-	n	a	~	t	i
Kapanawa	type of box	0	β	o	ʔ	n	a	n	-	-	t	i
Katukina	type of box	0	β	u	-	-	-	n	a	-	t	i
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	type of box	0	b	u	-	-	-	n	a	~	t	i
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	type of box	0	ɸ	o	-	-	-	n	a	~	t	i
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
ShipiboKonibo	type of box	0	β	o	-	-	-	n	a	~	t	i
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Yawanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Fuzzy			β:100	o:100	?:100	rⁿ:60¦-:40	-:100	rⁿ:100	a:100-:70¦rⁿ:20¦~:10		t:100	i:100
Proto-Panoan			β	o	?	rⁿ	a	rⁿ	t	i		

COGID 92 / «type of pot»

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Amawaka	type of pot	0	-	-	-	-	k	ɨ	t	i	i	-
Chakobo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Chaninawa	type of pot	0	-	-	-	-	k	ɨ	t	-	i	-
Kakataibo	type of pot	0	m	a	n	ɨ	k	ɨ	t	-	i	-
Kapanawa	type of pot	0	-	-	-	-	k	ɨ	t	-	i	-
Katukina			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	type of pot	0	-	-	-	-	k	ɨ	t	-	i	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	type of pot	0	-	-	-	-	k	ɨ	t	-	ɨ	-
Marubo			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Matis			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa	type of pot	0	-	-	-	-	k	ɨ	t	-	ɨ	-
Sharanawa	type of pot	0	-	-	-	-	k	ɨ	t	-	i	n
ShipiboKonibo	type of pot	0	-	-	-	-	k	ɨ	t	-	i	-
Yaminawa			Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Yawanawa	type of pot	0	-	-	-	-	k	ɨ	t	-	i	-
Fuzzy			-:100	-:100	-:100	-:100	k:100	ɨ:100	t:100	-:100	i:80¦-:10¦i.n:10	-:100

language	concept	pos	S1	S2	S3	S4	S5	S6	S7	S8	S9		S10
Proto-Panoan			k	ɨ	t	i	n						

COGID 484 / «type of venom»

language	concept	pos	S1	S2	S3	S4	S5	S6
Amawaka	type of venom	0	ʔ	a	x	-	a	~
Chakobo	type of venom	0	ʔ	a	ʂ	-	a	-
Chaninawa			Ø	Ø	Ø	Ø	Ø	Ø
Kakataibo	type of venom	0	ʔ	a	ʂ	-	a	~
Kapanawa	type of venom	0	ʔ	a	ʂ	-	a	n
Katukina			Ø	Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø	Ø
Kaxinawa	type of venom	0	-	a	ʂ	-	a	-
Korubo			Ø	Ø	Ø	Ø	Ø	Ø
Marinawa	type of venom	0	-	a	ʂ	-	a	~
Marubo			Ø	Ø	Ø	Ø	Ø	Ø
Matis	type of venom	0	-	a	ʂ	k	i	n
Mayoruna			Ø	Ø	Ø	Ø	Ø	Ø
Poyanawa			Ø	Ø	Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø	Ø	Ø
Sharanawa	type of venom	0	-	a	ʂ	-	a	n
ShipiboKonibo	type of venom	0	ʔ	a	ʂ	-	a	~
Yaminawa	type of venom	0	-	a	ʂ	-	a	~
Yawanawa	type of venom	0	-	a	ʃ	-	a	n
Fuzzy			ʔ:100	a:100	ʂ:100	-:100	a:100	rⁿ:90¦n:10
Proto-Panoan			ʔ	a	ʂ	a	n	

COGID 208 / «we»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	we	0	n	o	-	-	-
Chakobo	we	0	n	o	-	-	-
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo	we	0	n	o	-	-	-
Kapanawa	we	0	n	o	-	-	-
Katukina			Ø	Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø	Ø
Kaxinawa	we	0	n	u	-	-	-
Korubo	we	0	n	u	k	m	i
Marinawa	we	0	n	o	-	-	-
Marubo			Ø	Ø	Ø	Ø	Ø
Matis	we	0	n	u	k	-	i
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	we	0	n	o	-	-	-
Yaminawa			Ø	Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø	Ø
Fuzzy			r^n:100	o:100	-:100	-:100	-:100
Proto-Panoan			n	o			

COGID 19 / «who»

language	concept	pos	S1	S2	S3	S4	S5
Amawaka	who	0	ts	o	-	w	a
Chakobo	who	0	ts	o	-	w	ɨ
Chaninawa			Ø	Ø	Ø	Ø	Ø
Kakataibo			Ø	Ø	Ø	Ø	Ø
Kapanawa	who	0	ts	o	-	ʔ	-
Katukina	who	0	tʃ	u	a	r	a
Kaxarari	who	0	ts	u	-	-	-
Kaxinawa	who	0	ts	u	-	-	-
Korubo	who	0	ts	u	-	-	-
Marinawa	who	0	ts	o	a	m	ɨ
Marubo			Ø	Ø	Ø	Ø	Ø
Matis	who	0	ts	u	-	-	-

language	concept	pos	S1	S2	S3	S4	S5
Mayoruna	who	0	ts	u	-	-	-
Poyanawa			Ø	Ø	Ø	Ø	Ø
Shanenawa	who	0	ts	u	a	n	-
Sharanawa	who	0	ts	o	-	-	a
ShipiboKonibo	who	0	ts	o	-	-	-
Yaminawa	who	0	ts	o	-	-	-
Yawanawa	who	0	ts	u	-	-	a
Fuzzy			ts:100	o:100	-:100	-:90¦?:10	-:100
Proto-Panoan			ts	o	a		

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	ɸ	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			?:80¦-:20	a:100	i:100	β:100	o:100	
Proto-Panoan			?	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
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	-:90¦o:10
Proto-Panoan			m	a	t	o

COGID 166 / «you (sg.)»

language	concept	pos	S1	S2	S3	S4
Amawaka	you (sg.)	0	m	i	j	a
Chakobo	you (sg.)	0	m	i	-	a
Chaninawa			Ø	Ø	Ø	Ø
Kakataibo	you (sg.)	0	m	i	-	i
Kapanawa	you (sg.)	0	m	i	-	a
Katukina			Ø	Ø	Ø	Ø
Kaxarari			Ø	Ø	Ø	Ø
Kaxinawa	you (sg.)	0	m	i	-	a
Korubo	you (sg.)	0	m	i	-	-
Marinawa	you (sg.)	0	m	i	-	a
Marubo			Ø	Ø	Ø	Ø
Matis	you (sg.)	0	m	i	-	-

language	concept	pos	S1	S2	S3	S4
Mayoruna	you (sg.)	0	m	i	-	-
Poyanawa			Ø	Ø	Ø	Ø
Shanenawa			Ø	Ø	Ø	Ø
Sharanawa			Ø	Ø	Ø	Ø
ShipiboKonibo	you (sg.)	0	m	i	-	a
Yaminawa			Ø	Ø	Ø	Ø
Yawanawa			Ø	Ø	Ø	Ø
Fuzzy			m:100	i:100	-:100	-:60¦a:40
Proto-Panoan			m	i		