Label Parameter	Implication(s)	Label RGS MsS SC	a Sal NCa	BA Cam T	er CR RE	PR It Sp	Fr Ptg	Rm SaG CG1	CG2 Gik C	yG E Du	Afk D Da	Ice FO No	r Blg SC Slo Po Rus	Ir Wel Ma Hi	Pas Ta Te Man	Can Jap Kor	Hu Kh1 Kh2	Est Fin mM1	II mM2 Ud1	Ud2 Yu E	v1 Ev2 Ek	Ya Uz Ka	Kyr Tur Bur	eB wB Mal A	Are Lak Label
1 FGM ±grammaticalized morphology 2 FAG ±agreement	+FCM	FAG + + +	+ +	+ +	+ + +	+ + +	+ +	+ + +	+ +	+ + +	+ + +	+ + +	+ + + + + + + + + + + + + + + + + + + +	+ + + +	+ + + -	- + +	+ + +	+ + +	+ +	+ +	+ + +	+ + +	+ + +	+ + +	+ + FGM 1
3 FGK ± grammaticalized Case		FGK + + +	+ +	+ +	+ + +	+ + +	+ +	+ + +	+ +	+ + +	+ + +	+ + +	+ + + + +	+ + + +	+ + + 0	0 + +	+ + +	+ + +	+ +	+ +	+ + +	+ + +	+ + +	+ + +	+ + FGK 3
4 SPK ± spatial Cases	+FGK	SPK													0	0	+	+ + +	+ +	+ -	+ + +				- SPK 4
5 FGP ±grammaticalized person 6 FSP ± semantic person		FGP + + + FSP 0 0 0	0 0	0 0	+ + +	+ + +	0 0	0 0 0	0 0	+ + +	0 0 0	0 0 0	0 0 0 0 0	0 0 0 0	+ + + 0	+	0 0 0	0 0 0	0 0	0 0	+ + +	0 0 0	0 0 0	0 0 0	+ + FGP 5
7 FGN ± grammaticalized number	+FGP	FGN + + +	+ +	+ +	+ + +	+ + +	+ +	+ + +	+ + -	+ + +	+ + +	+ + +	+ + + + +	+ + + +	+ + + 0	0 0 0	+ + +	+ + +	+ +	+ +	+ + +	+ + +	+ + +	+ + +	+ + FGN 7
8 GCO ± grammaticalized collective number		GCO 0 0 0 PLS 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0	0 0 0	0 0 0	0 0 0	+ + + + + + 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0	0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 GCO 8
9 PLS ± plur ality spreading 10 FSN ± number spread to N		FSN + + +	0 0	+ +	+ + +	+ + +	0 0	+ + +	+ +	+ + +	+ + +	+ + +	+ + + + +	+ + + +	+ + + 0	0 - +	+ + +	+ + +	+ +	+ +	+ + +	+ + +	+ + +	0 0 0	+ + FSN 10
11 FNN ± number on N	+FSN	FNN + + +	+ +			- + +	- +	+ + +	+ +	+ + +	+ + +	+ + +	+ + + + +	+ + + +	+ + + 0	0 0 0	+ + +	+ + +	+ +	+ +	+ + +	+ + +	+ + +	0 0 0	+ + FNN 11
12 FGT ±grammaticalized temporality 13 FGG ±grammaticalized gender		FGT			- - -								+ + + + + + + + + + + + + + + + + + + +						1-1-						- FGT 12
14 FSG ±semantic gender		FSG + + +	+ +	+ +	+ + +	+ + +	+ +	+ + +	+ + -	+ + +	+ + +	+ + +	+ + + + +	+ + + +	+ + + 0	0 0 0		- - -	1 : 1 :				1 1 1	- + -	+ + FSG 14
15 CGB ± unbounded sg N		CGB												+ +	- + + +	+	+ + +	+	+ +	+ +	+ + +	+ + +	+ + +	+	+ + CGB 15
16 FPC ±grammaticalized perception 17 DGR ±grammaticalized Specified Quantity		FPC											<u> - - - - -</u>							- -					- FPC 16
18 DGP ±grammaticalized text anaphora		DGP 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0	0 0 0	0 0 0	0 0 0	0	0 0			0		1:1:	1 - 1 - 1			1 1 1 1	+	+ + DGP 18
19 CGR ±weak Specified Quantity	-CGB, +DGR	CGR										+	+ 0 0 0 0	+ + 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 CGR 19
20 NWD ±weak person 21 DGD ±grammaticalized distality	+FGP, -FSN or +DGR -FSN or +DGR	NWD			- - -					- + +	+ + +	+ + +	- 0 0 0 0	+ + 0 0	0 0 0 0	0 0 0	- 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0		0 0 NWD 20
22 DPQ ± free null partitive Q	+FNN, -CGB	DPQ		0 0	0 0 0	0	0 -							0 0	- 0 0 0	0 0 0	0 0 0	+ + 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 DPQ 22
23 DCN ± article-checking N	-FSN or +DGR -DCN	DCN						+			+	+ + +	+ 0 0 0 0	0 0	0 0 0 0	0 0 0	- 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0		0 0 DCN 23
24 DNN	-DCN +FSN	DIN			- - -	+	- +	0		+	+ + 0	0 0 0	0 0 0 0 0	0 0	0 0 0 0	0 0 0	- 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 DNN 24
26 FGC ± grammaticalized classifier	¬+FGN	FGC 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0	0 0 0	0 0 0	0 0 0	+ + + + + + + + + + + + + + + + + + +	0 0 0 0	0 0 0 +	+ + +	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 FGC 26
27 FGE ± general classifier	-FGM, +FGC +FGP	FGE 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 +	- 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 FGE 27
28 FCN ± conjugated nouns 29 HMP ± NP-heading modifier	TU	HMP	+++-	 	: : :		1:1:1			: : : 	: : : 	: : :	 		- + + 0			111	+ : + :	 	: : :		 		- HMP 29
30 ARR ± free reduced relatives		ARR + + +	+ +	+ +	+ + +	+ + +	+ +	+ + +	+ +	+				+ +	+ +	+ + +			- -	- +	+ + +	+ + +	+ + +		ARR 30
31 GFP ± features on GenS° 32 GFN ± Gen-feature spread to Poss°	+FGP +GFP	GFP	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0 0 0	0 0 0 0	0	0 0 0	+ + +	0 - +	+ +	+ +	+ + +	+ + +	+ + +	0 0 +	GFP 31
33 CSE ± full c-selection		CSE + + +	+ +	+ +	+ + +	+ + +	+ +	+ + +	+ +	+ + +	+ + +	+ + +	+ + + + +	+ + + +	+ + + +	+ + +		+ + +	+ +	+ +	+ + +	+ + +	+ + +	+ + +	+ + CSE 33
34 CAL ± clausal alignment	+CSE, ¬+GFN	CAL											0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		- + + -		0 0 0	0	0 0	0 0	0 0 0	0 0 0	0 0 +	0	+ + CAL 34
35 GAL ±genitive alignment 36 EAL ±ergative alignment	+CSE, ¬-CAL +CSE, ¬-CAL	GAL 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0 0 0	0 0 0 0	0 + - 0	0 0 0	0 0 0	0 0 -	- +	+ -			+	0 0 -	GAL 35
37 DMP ± def matching pronominal possessives	+DCN	DMP 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	+ 0 0	0 0	0 0 0	0 0 -	+ - +	+ 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 DMP 37
38 DMG ± def matching Genitives 39 GCN ± Poss ^o -checking N	+DMP ¬+GFP	DMG 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	+ 0 0	0 0	0 0 0	0 0 0	- 0 -	- 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 DMG 38
40 GUN ± uniform genitive	+GF +FGK,+CSE,¬-GAL	GUN	1 - 1 -		. . .		1						1 2 2 2 2 2		0 0	0	0 0 0	+ + 0	0 +	+ 0	0 0 0	0 0 0	0 0 -	0	0 0 GUN 40
41 GAD ± free Gen	+FGM, -FGK or -GUN	GAD + + +	+ +	+ +	+ + +	+ + +	+ +	+	- -	- + +	+ + +	+ + +		+ + + +	+ + 0 0	0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 +	+ + 0	0 0 GAD 41
42 GFS ± GenS 43 GFO ± GenO	+FGP, ¬+DGR, ¬,NWD, ¬+EAL, ¬+GFN, ¬+GUN +CSE, ¬,GAL, ¬+GUN	GFS 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0	0 0 0	0 0 0	0 0 0	0	0 0	+ 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 -	0 0 0	0 0 GFS 42
44 PGO ± partial GenO	-GFO	PGO	- +					- 0 0	0 0	0	- 0 -	0	- 0 0 0 0 0 0 0 0 0	0 0	0 -	- 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 -	0	0 0 PGO 44
45 GGS ±generalized GenS	-CGR, +NWD	GGS 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0	0 + -	+	0 + +	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 GGS 45
46 GSI ±grammaticalized inalienability 47 ALP ± alienable possession	-GSI	GSI	1 - 1 -										 						1 : :		+ + +				GSI 46
48 GST ± grammaticalized genitive	+GSI	GST 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 GST 48
49 GEI ± genitive inversion 50 GNR ± non-referential head marking	+GFN -DGR, +GFP, -GSI	GEI 0 0 0 GNR 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0		0 0 -		- -			0	0 0 -	0 0 GEI 49
51 GIT ± Genitive-licensing iteration		GIT						+					0 0 0 0 0										1 1 1 1		GIT 51
52 UST ± unstructured modifiers 53 GPC ± gender polarity cardinals		UST								- 0 0	0 0 0	0 0 0	0 0 0 0 0	0 0	- 0 0 -	- + +	0 0 0	0 0 0	0 0	0 +		- + -		0 0 0	0 0 UST 52
53 GPC ± gender polarity cardinals 54 PSC ± plural spread from cardinal quantifiers		PSC + + +	+ +	+ +	+ + +	+ + +	+ +	+ + +	+ +	- 0 -	+ + +	+ + +	+ + + + +		+ + + 0	0 0 0	0 0 0	0 0 0	0 0	- 0	+ + +	- 0 -	0 0 0	0 0 0	GPC 53
55 PCA ± plural spread through cardinal adjectives		PCA 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0	0 0 0	0 0 0	0 0 0	+ + + + + 0 0 0 0 0 0	0 0	0 0 0 0	0 0 0				- 0	0 0 0	- 0 -		0 0 0	- PCA 55
56 RIM		RIIM FRC + + +													0	0 0 0	+ + +					+			- RHM 56
58 NRC ± participial relative clauses	+FRC	NRC											- 0 0 0 0	+ -	+ 0 0 -	- + -	- 0 +	- + 0	+ 0	+ 0	0 0 0	0 0 0	0 0 0	+ + +	0 0 NRC 58
59 DOR ± def on relatives	+DGR, +FRC	DOR											- 0 0 0 0	0 0	0 0 0 0	0 0 0	- 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 DOR 59
60 LKA ± argument linker 61 LKP ± predicative linker		LKA	1 - 1 -										 		+	+ + +			1 : :						- LKA 60
62 LKO ± oblique linker	-LKA	LKO													0	0 0 0				- +				+ + -	- LKO 62
63 FFP ± feature spread to particles 64 NOP ± NP under non-genitive arguments	+FGA, (+LKA 0F+LKF 0F+LKO 0F+GAD), ~+GFF	FFP		- -				- 0 0	0 0	0			- 0 0 0 0	+ +	0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0	0 0 FFP 63
		PNP + + +	+ +	+ +	+ + +	+ + +	+ +	+ + +	+ +	+ + +	+ + +	+ + +	+ + + + +	+ + 0 0	- 0 0 0	0 0 0		0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 +	0 0 NOP 65
66 NOD ± NP under D		NOD + + + NOC + + +	+ +	+ +	+ + +	+ + +	+ +	+ + +	+ + -	+ + +	+ + +	+ + +	- 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	+ + + +	+ + + 0	0 0 0	+ + +	+ + +	+ +	+ +	+ + +	+ + +	+ + +	+	+ + NOD 66
67 NOC ± N under cardinals 68 NM1 ± N under M1 As		NOC + + +	+ +	+ +	- + +	+ + +	+ +	+ + +	- +	+ + +	+ + +	+ + +	+ + + + +	0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 -	0 0 NM1 68
69 NM2 ±N under M2 As		NM2 0 0 0	0 0	0 0	0			- 0 0	0 +	+ + +	+ + +	+ + +	+ + + + +	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 NM2 69
70 NOA ±N under As 71 NGO ±N under GenO		NOA 0 0 0 NGO 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 +	+ + +	+ + +	+ + +	0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 NOA 70
72 EAF ± fronted high As	-NM1	EAF - +			- 0 0	0 0 0	0 0	0	- 0	0 0 0	0 0 0	0 0 0	0 0 0 0 0	0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 EAF 72
73 ACM ± class MOD 74 DSN ± def spread to N	-ARR, -NGO +DCN	ACM 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0	0 0 0	0 - 0	- 0 0	0 + +	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 ACM 73
74 DSN ± det spread to N 75 DSA ± def spread to Adj	+DCN (+DGR or +DGP), +ARR or (+PNP, ¬+NOA)	DSA								_ 0 0	0 0 0	0 0 0		0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0	0 0 DSA 75
76 DOC ± def on cardinals	-NWD, +DCN, +NOC	DOC 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	- 0 0	0 0	0 0 0	0 0 0	0 0 0	+ 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 DOC 76
77 NEX ± Proper names in D 78 PEX ± Personal proper names in D	(-FSN or -CGR), -NWD, ¬+NOA +NEX	NEX + + + PEX + + +	+ +	+ +	+ + +	+ + +	+ +	+	- 0	0 0 0	0 0 0	0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	+ + -	0 0 NEX 77
79 FEX ± Partial personal proper names in D		FEX + + +	0 +	+ +	+	- + +	+ +	+ 0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	+ + 0	0 0 FEX 79
80 PDC ± def-checking possessives	+DGR, (+CGR or -NWD), ¬+GFP	PDC				+	+ +			- 0 0	0 0 0	+ 0 0	- 0 0 0 0	+ + 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 PDC 80
81 ACL ± clitic possessives on +N 82 NCL ± clitic possessives on N		ACL	+-+-	- -	- - -	0	0 0	0 + +	0 0	+	: : - 	0 - 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	+ 0	0 0 0	0 0 0	- 0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0	- ACL 81
83 APO ± adjectival possessives	+FGM, ¬+GFP, -CAL, ¬+UST	APO + + +	+ +	+ +	+ - +	+ + +	- +					0	+ + + + +		- 0 0 0	0 0 0	0 0 0	- 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0	0 0 APO 83
84 WAP ± Wackernagel possessives		WAP + + +	1	- T- T	- + 0	0 0 0	0 0	0		- 0 0	0 0 0	0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 WAP 84
85 AGE ± adjectival genitive 86 OPK ± null possessive with kinship nouns		AGE		+ +	+ + +	+ + -	0 -	+	0 0		+	+ + +	- 0 0 0 0	0 0	0 0 0 0	0 0 0	- 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 OPK 86
87 TSP ± split deictic demonstratives	-FSN or +DGR	TSP	1-1-		+ + +	+	+ -		- -			- - -	- 0 0 0 0 0 0 0 0	0 0	0 0 0 0	0 0 0	- 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	- + +	0 0 ISP 87
88 TDP ± split demonstratives	+TSP -TSP	IDP 0 0 0	0 0	0 0	- + -	- 0 0	- 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 + -	0 0 IDP 88
90 TAR ±ARR demonstratives	+ARR	TAR				+	+ -	+	+	+ 0 0	0 0 0	0 0 0	+ 0 0 0 0 0 0 0 0 0	0 0 + +	+ 0 0 +	+ + +	0 0 0	0 0 0	0 0	0 -	+ + +	+ + +	+ + -	0 0 0	0 0 TAR 90
91 TAD ± structured adjectival demonstratives	-ARR	TAD 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0	0			+ + + + +	0 0	0 0	0 0 0			- -	- 0	0 0 0	0 0 0	0 0 0		TAD 91
92 TND ± long distance D-checking demonstratives 93 TDA ± split def on adjectival demonstratives	+CGR, (+TAR or +TAD) (+DSN or +DSA), (+TAR or +TAD)	IDA 0 0 0	0 0	0 0	0 0 0	0 0 0	0 0	0 0 0	0 0	- 0 0	0 0 0	0 0 0	- 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 IND 92 0 0 IDA 93
94 TNL ± DP under Loc	¬+TDC, ¬+TAR, ¬+TAD	INL 0 0 0	0 0	0 0		- 0 0	0 0	0 0 +	0 0	0 0 0	0 0 0	0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0	0 + + 0	0 0 0	+ + +	+ + +	+ +	+ +	0 0 0	0 0 0	0 0 +	0 + -	+ + TNL 94
TABLE A		RGS Mis SC	a Sal NCa	BA Cam 7	er CR RE	PR It Sp	Fr Ptg	Rm SaG CG1	CG2 Gik C	yG E Du	Afk D Da	Ice FO Non	r Blg SC Slo Po Rus	lr Wel Ma Hi	Pas Ta Te Man	Can Jap Kor	Hu Kh1 Kh2	Est Fin mM1	II mM2 Ud1	Ud2 Yu E	v1 Ev2 Ek	Ya Uz Ka	Kyr Tur Bur	cB wB Mal /	Arc Lak Label