

Supplementary Table 1. Frequencies of haplotypes in 12 genes of the innate immune system in an Indian population

Gene	No. of variant sites	Haplotype Sl. No.	Haplotype	Count	%
CAMP	7	Chimp	Not Available		
		Human	GGI ¹ GACC		
		1	GGIGACC		
		2	..D....	5	1.47
		3	.....	321	94.41
		4	.....T	1	0.29
		5	.....T.	7	2.06
		6	....G..	1	0.29
		7	...T...	1	0.29
		8	A.....	1	0.29
		Remarks:	.A.....	3	0.88
DEFA4	25	Chimp	I ¹ =Insertion (TCAGGCC) for Chimp & Insertion(CCAGGCC) for Humans		
		Human	CGGCCGCCI ¹ CGTCCGGCCCCATTGA		
		1	CGGCCGTCICATCCGGCCCCATTGA		
		2	.A....C.....AG	23	6.76
		3	..A.....T...C.AG	62	18.24
		4	.....C..G.....G...AG	24	7.06
		5	.....D.....	91	26.76
		6	.....D...T.....	7	2.06
		7	.....GC.....C.AG	2	0.59
		8	.....G.....C.AG	90	26.47
		9	.....G.....T...C.AG	3	0.88
		10	.AA.....T...C.AG	1	0.29
		11	.A....C.....C.A.	1	0.29
		12	.A....C.....CAG	1	0.29
		13	.A.....G.....C.AG	5	1.47
		14	..A.....A..T...C.AG	2	0.59
		15	..A.....G...AG	2	0.59
		16	..A.....T...AG	1	0.29
		17	..A.....TG..C.AG	1	0.29
		18	..A.....G.....C.AG	1	0.29
		19	.....C.....C.AG	1	0.29
20	.....C..G.....C.AG	1	0.29		
21	.....C..G.....C.AG	1	0.29		

22	.....D...T.....	3	0.88
23	.....D.G.....	2	0.59
24	.....C.AG	4	1.18
25	.....T...C.AG	1	0.29
26	.....G.....TGC.AG	1	0.29
27	.....G.T.....C.AG	1	0.29
28T..G...CT.....AG	3	0.88
29TC..G.....AG	1	0.29
30	...T....G.....C.AG	1	0.29
31	..T...D.....	1	0.29
Remarks:	T.A.....G	2	0.59

DEFA5

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Chimp	I ¹ =Insertion(A)		
Human	TTCGGTACCCTAGCAAAC		
1	TTCGTATACCCTAGCGGAC		
2AG.....	9	2.63
3	....AG.....GT	45	13.16
4	....AG.....GT....	8	2.34
5	.....	4	1.17
6	....G.....C..	3	0.88
7	....G.....	160	46.78
8	....G.....T....	87	25.44
9	....G...T.....	3	0.88
10	C....G.....T....	2	0.58
11	.C...G.....	1	0.29
12	...A.G.....	1	0.29
13	...AGC.....	5	1.46
14	...AG.....T....	2	0.58
15	....G....A.....GT	1	0.29
16G....A...T....	2	0.58
17G.....T....	2	0.58
18G...T....A...	1	0.29
19G..T.....	2	0.58
20G.G...C..T....	1	0.29
21	..T..G.....	2	0.58
	..T..G.....T....	1	0.29

DEFA6

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Chimp			
Human	I ¹ AACACGG*C*TG*CCGTGTC		

1	IGGGACGGCCGTCGCCGTGTC		
2	DAAC..C..A.....	7	2.05
3	DAAC..C..A..G.....	3	0.88
4	DAAC.....	9	2.63
5	DAACG.....	19	5.56
6	..AC..C..A..G.A.....	15	4.39
7	..AC..C..A..G.....	76	22.22
8	..AC..C.....G....C...	11	3.22
9	..AC..C.....G.....	51	14.91
10	..AC.....A.....	21	6.14
11	..AC.....	26	7.60
12	..AC.....G.....	9	2.63
13	.....C.....G.....	5	1.46
14	.....	10	2.92
15	.....G....C...	32	9.36
16	DAAC.....A.....	1	0.29
17	DAAC.....T.....	1	0.29
18	DAAC.....G.....	1	0.29
19	DAACG.....T.....	3	0.88
20	DAACG.....G.....	1	0.29
21	..AC..C..A.....	9	2.63
22	..AC..C..A..G....C..	3	0.88
23	..AC..C.....G....C..T	2	0.58
24	..AC..C.T..G.....	1	0.29
25	..AC.....A..G.....	2	0.58
26	..AC.....AG....A....	1	0.29
27	..AC.....A.G....C...	1	0.29
28	..AC.....A.G.....	1	0.29
29	..AC.....C.	1	0.29
30	..AC.....T...C.	1	0.29
31	..AC.....G.A.....	1	0.29
32	..AC.....G....C...	5	1.46
33	..AC...T.....	1	0.29
34CC....G....C...	1	0.29
35C....G....C...	3	0.88
36G.....	6	1.75
37GT.....	1	0.29

DEFB1

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Remarks:T.....G.....	1	0.29
Chimp	I ¹ =Insertion (A)		
Human	ACCTGGCTGCTACCCCTTGI ¹ CCAGCAACCCGTCGGGGCGTGTGGTCGGAGTCGGCTGCCTAGGGCGCCGI ² CTATACTTATCG CCCTACGAI ³ CTTGGGGTGGCCTCCTAACTCTTGTGTGCCGGGAGACTCGTCGGGACGT		
	GCCCGGTGCTATTCTTGICCAGCCCCCGTTCGGGGGAGCGGTTCGAGTCGGCTGCCTAGGGCACCGICCATACTTACCGC 1 TCTACGGICTCGGGGCGGCCTCACAATCTTGTGTGCATGCAGACCCGGTCGGGACGC		
	A...A.....C.T...C.....G.....CAT...A...GG...T.....CGTA..G...D.T.C...GT.AT 2 CAAT.AAD.....TC.....CT..CC.....TG.....TC...A.....	59	17.25
	A...A.....C.T...C.....G.....CAT...A...GG...T.....CGTA..G...D.T.C...GT.AT 3 CAAT.AAD.....TC.....CT..CC.....TG.....TC...A.....	2	0.58
	A...A.....C.T...C.....G.....CAT...A...GG...T.....GTA..G...DTT.C...GT.AT 4 CAAT..A.....TC.....CTG.CC.....	4	1.17
	A...A.....C.T...C..T..G.....A...CAT...A...GG...T.....GTA..G...DTT.C...GT.AT 5 CAAT..A.....TC.....CT..CC.....TG.....TC...A.....	5	1.46
	A.....GC.T...C.....G.....CAT...A...GG...T.....CGTA..G...D.T.C...GT.AT 6 CAAT.AAD.....TC.....CT..CC.....TG.....TC.....	48	14.04
	A..T..C.....CC.T.....A...AC.T...A...G...AT.....GTA..G...D.T.C...GT.AT 7 CAAT.AA.....TC.....CT..CC.....TG.....TC...A.....	3	0.88
	.....T.ATGA..GA.A...AC.T...A...GG...T.....GTA..G...DTT.C...GT.AT 8 CAAT..A.....TC.....CTG.CC.....	56	16.37
	.....T.ATGA..GA.A...AC.T...A...GG...T.....GTA..G...DTT.C...GT.AT 9 CAAT..A.....TC..G..CTG.CC.....	2	0.58
	A...A.....CCT...C.....G.....CAT...A...GG...T.....CGTA..G...D.T.C...GT.AT 10 CAAT.AAD.....TC.....CT..CC.....TG.....G.TCC...A.....	1	0.29
	A...A.....CCT...C..G..G.....CAT...A...GG...T.....CGTA..G...D.T.C...GT.AT 11 CAAT.AAD.....TC.....CT..CC.....TG.....G.TCC...A.....	1	0.29
	A...A.....C.T...C.....A..CAT...A...GG...T.....CGTA..G...D.T.C...GT.AT 12 CAATGAAD.....TC.....CT..CC.....TG.....TC...A.....	1	0.29

13	A...A.....C.T...C.....CAT...A...GG...T....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC...A.....	1	0.29
14	A...A.....C.T...C.....A.....GT.AT CAAT.AA.....C..TC.....C...CC.GG.GC...TC.....	1	0.29
15	A...A.....C.T...C.....G.....CATA..A...GG...T....CGTA..G...D.T.CG...GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC...A.....	2	0.58
16	A...A.....C.T...C.....G.....CAT...A...GG..A.T....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC...A.....	1	0.29
17	A...A.....C.T...C.....G.....CAT...A...GG...T....CGTA..GA..D.T.C...GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC...A.....	2	0.58
18	A...A.....C.T...C.....G.....CAT...A...GG...T....CGTA..G...D.T.C...GT.A. CAAT.AAD.....TC.....CT..CC.....TG.....TC...A.....	1	0.29
19	A...A.....C.T...C.....G.....CAT...A...GG...T....CGTA..G...D.T.C...GT.AT CAAT.AAD.....A.TC.....CT..CC.....TG.....TC...A.....	2	0.58
20	A...A.....C.T...C.....G.....CAT...A...GG...T....CGTA..G...D.T.C...GT.AT CAAT.AAD.....ATC.....CT..CC.....TG.....TC...A.....	1	0.29
21	A...A.....C.T...C.....G.....CAT...A...GG...T....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC.....CT..CC...A..TG.....TC...A.....	1	0.29
22	A...A.....C.T...C.....G.....CAT...A...GG...T....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC.....CT..CC.....TG...A..TC...A.....	1	0.29
23	A...A.....C.T...C.....G.....CAT...A...GG...T....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC...TA.....	1	0.29
24	A...A.....C.T...C.....G.....CAT...A...GG...T....CGTA..G...DTT.C...GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC...A.....	1	0.29
25	A...A.....C.T...C.....G.....CAT...A...GG...T....CGTA.TG...D.T.C...GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC...A...C.	2	0.58
26	A...A.....C.T...C.....G.....CAT...A...GG...T....GTA..G...DTT.C...GT.AT CAAT..A.....TC.....CTG.CC.C.....	1	0.29

27	A...A.....C.T...C.....G.....CAT...A...GG...T...T.CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC...A.....	1	0.29
28	A...A.....C.T...C.....G.....CAT...A...GG..I.T.....CGTA..G...D.T.C..C.GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC...A.....	1	0.29
29	A...A.....C.T...C.....G.....CAT...A...GG..I.T.....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC...A.....	1	0.29
30	A...A.....C.T...C.....G.....CAT...A..TGG...T.....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC...A.....	1	0.29
31	A...A.....C.T...C.T...G.....CAT...A...GG...T.....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC...A.....	1	0.29
32	A...A...T..C.T...C.....G.....CAT...A...GG...T.....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC...A.....	1	0.29
33	A...C.....GC.T...C.....G.....CAT...A...GG...T.....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC.....	1	0.29
34	A.....CGC.T...C.....G.....CAT...A...GG...T.....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC.C.....	1	0.29
35	A.....C...D.....TGAGTG..A...AC.T...A...G...T.....CGTA..G.TAD.T.C...GT.AT CA.T..A.....TC.A..TCT..CC.....C..G..G...TC.....G..T	1	0.29
36	A.....C.....TGAGTG..A...AC.T...A...G.C...T...T..GTA..G..AD.T.C...GT.AT CAAT..A.....TC.A..TCT..CC.....C..G..G...TC.....G..T	3	0.88
37	A.....C.....TGAGTG..A...AC.T...A...G.C...T...T..GTA..G...D.T.C...GT.AT CAAT..A.....TC.A..TCT..CC.....C..G..G...TC.....G..T	1	0.29
38	A.....C.....TGAGTG..A...AC.T...A...G.C...T...T..GTA..G...D.T.C...GT.AT CAAT..A.....TC.A..TCT..CCT.....C..G..G...TC.....G..T	1	0.29
39	A.....C.....TGAGTG..A...AC.T...A...G..C...T...TT.GTAC.G.TAD.T.C...GT.AT CAAT..A..U.....TC.A..TCT..CC.....C..G..G...TC.....G..T	1	0.29
40	A.....C.....TGAGTG..A...AC.T...A...G.....G.TAD.T.C...GT.AT CAAT..A.....TC.A..TCT..CC.....C..G..G...TC.....G..T	3	0.88

41	A.....C.....TGAGTG..A..AC.T..A..G....T.....CGTA..G.TAD.T.C....GT.AT CAAU..A.....TC.A..TCT..CC.....C..G..G....TC.....G..T	3	0.88
42	A.....C.....TGAGTG..A..AC.T..A..G....T.....CGTA..G.TAD.T.C....GT.AT CA.T..A.....TC.A..TCT..CC.....C..G..G....TC.....G..T	4	1.17
43	A.....C.....TGAGTG..A..AC.T..A..G....T.....GTA..G.TAD.T.C....GT.AT CAAT..A.....TC.A..TCT..CC.....C..G..G....TC.....G..T	6	1.75
44	A.....C.....TGAGTG..A..AC.T..A..G....T.....GTA.TG.TAD.T.C....GT.AT CA.T..A.....TC.A..TCT..CC.....C..G..G....TC.....G..T	1	0.29
45	A.....C.....TGAGTG..A..AC.T..A..GG....T.....CGTA..G...D.T.C....GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC.....	1	0.29
46	A.....C.....TGAGTG..A..AC.T..A..GG....T.....CGTA..G.TAD.T.C....GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC.....	1	0.29
47	A.....C.....TG.GTG..A..AC.T..A..G....T.....GTA..G.TAD.T.C....GT.AT CAAT..A.....TC.A..TCT..CC.....C..G..G....TC.....G..T	1	0.29
48	A.....C.T..C.....G.....CAT..A..GG....T.....GTA..G...DTT.C....GT.AT CAAT..A.....TC.....CTG.CC.....	1	0.29
49	A.....T.ATGA..GA.A..AC.T..A..GG....T.....GTA..G...DTT.C....GT.AT CAAT..A.....TC.....CTG.CC.....	1	0.29
50	A.....GC...G.....TGAGTG..AT..AC.T..A..G..C..T..TT.GTAC.G.TAD.T.C....GT.AT CAAT..A..U.....TC.A..TCT..CC.....C..G..G....TC.....G..T	1	0.29
51	A.....GC...G...T..TGA..GA.AT.AAC.T..CA...GG.C..TT.A.T.GTA..G...DTTCCG...GT.AT CAAT..A.....TC...TCT..CC...C.C..G.....TC.....	4	1.17
52	A.....GC...G...T..TGA..GA.AT..AC.T..CAC.TGG.C..TT.A.T.GTA..G...D.T.CG...GT.AT CAAT..A.G.....TC...TCT..CC...C.....G.....TC.....	1	0.29
53	A.....GC...G...T..TGA..GA.AT..AC.T..CA..TGG.C..TT.A.T.GTA..G...DTTCCG...GT.AT CAAT..A.G.....TC...TCT..CC...C.....G.....TC.....	4	1.17
54	A.....GC...G...T..TGA..GA.AT.AAC.T..CA...GG.C..TT.A.T.GTA..G...DTTCCG...GT.AT CAAT..A.GG.....TC...TCT..CC...C.C..G.....TC.....	3	0.88

55	A.....GC...G...T..TGA..GA.AT..AC.T..CA...GG.CA.TT.A.T.GTA..G...DTTCCG...GT.AT CAAT..A.GG.....TC...TCT..CC...C.....G.....TC.....	1	0.29
56	A.....GC...G...T..TGA..GA.AT..AC.T..CA...GG.C..TT.A.T.GTA..G...DTTCCG...GT.AT CAAT..A.GG.....TC...TCT..CC...C.....G.....TC.....	3	0.88
57	A.....GC...G...T..TG...GA.AT..AC.T..CA...GG.C..TT.A.T.GTA..G...DTTCCG...GT.AT CAAT..A.GG.....TC...TCT..CC...C.C...G.....TC.....	1	0.29
58	A.....GC.T..DC.....G.....CAT...A...GG...T....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC...CT..CC.....TG.....TC.....	1	0.29
59	A.....GC.T..C.....G.....CAT...A...GG..A.T....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC...CT..CC.....TG.....TC.....	3	0.88
60	A.....GC.T..C.....G.....CAT...A...GG...T....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC...C.CT..CC.....TG.....TC.....	3	0.88
61	A.....GC.T..C.....G.....CAT...A...GG...T....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC...CT..CC...A.....TG.....TC.....	1	0.29
62	A.....GC.T..C.....G.....CAT...A...GG...T....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC...CT..CC.....G.....TC..G...G..	1	0.29
63	A.....GC.T..C.....G.....CAT...A...GG...T....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC...CT..CC.....TG.....GTC.....	1	0.29
64	A.....GC.T..C.....G.....CAT...A...GG...T....CGTA..G...D.T.C...GT.AT CAAT.AADG.....TC...CT..CC.....TG.....TC.....	1	0.29
65	A.....GC.T..C.....G.....CAT...A...GG...T....CGTA..G...D.T.C...GT.AT CAAT..A.....TCA...CTG.CC.....	1	0.29
66	A.....GC.T..C.....G.....CAT...A...GG...T....CGTA..G...D.T.C...GT.AT CA.T.AAD.....TC...CT..CC.....TG.....TC.....	1	0.29
67	A.....GC.T..C.....G.....CAT...A...GG...T....CGTA..G.TAD.T.C...GT.AT CAAT..A.....TC.A..TCT..CC.....C..G..G...TC.....G..T	1	0.29
68	A..T..CG...CCT...D.....T.....GT.AT CAAT..A...T.C.....C...CC.GG.GC...TC.....	1	0.29

69	A..T..CG....CCT....D.....T.....G..GT.AT CAAT..A.....C..TC.....C....CC.GG.GC...TC.....A....	1	0.29
70	A..T..CG....CCT.....GT.AT CAAT.AA.....C..TC.....C...C....CC.GG.GC...TC.....	1	0.29
71	A..T..C.C...CCT.....GT.AT CA.T..A.....C..TC..G.....C....CC.GG.GC...TC.....	1	0.29
72	A..T..C.....CC.T.....A...AC.T...A...G...AT.....GTA..G...D.T.C...GT.AT CAAT.AA.....TC.....CT..CC.....TG.....TC.....	1	0.29
73	A..T..C.....CC.T.....A...AC.T...A...G...AT.....GTA..G...D.T.C...GT.AT CAAU.AA.....TC.....CT..CC.....TG.....TC.....G...	2	0.58
74	A..T..C.....CCT....D.....A.....T.....GT.AT CAAT.....T.C.....C....CC.GG.GC...TC.....	1	0.29
75	A..T..C.....CCT....D.....G..... ...T.....T.C.....C....CC.GG.GC...TC.....	1	0.29
76	A..T..C.....CCT....D.....G...T.. ...T.....TAC.....C....CC.GG.GC...TC.....	1	0.29
77	A..T..C.....CCT....D.....T.....C.....GT.AT CAAT.AA.....C..TC.....C....CC.GG.GC...TC.....	1	0.29
78	A..T..C.....CCT....D.....T.....GT.AT CAAT.AA.....C..TC.....C....CC.GG.GC...TC.....	8	2.34
79	A..T..C.....CCT....D.....T.....GT.AT CAAT..A.....C..TC.....C....CC.GG.GC...TC.....A....	1	0.29
80	A..T..C.....CCT....D.....T.....GT.AT CAAT..A.....C..TC.....C....CC.GG.GC...TC.....	8	2.34
81	A..T..C.....CCT....D.....T.....GT.AT CAAT..A.....C..TC.....G....C....CC.GG.GC...TC.....	1	0.29
82	A..T..C.....CCT....D.....T.....GT.AT CAAT..A...T.C.....C....CC.GG.GC...TC.....	2	0.58

83	A..T..C.....CCT...D.....T.....G..... .....T.C.....C...CC.GG.GC...TC.....	2	0.58
84	A..T..C.....CCT...D.....T.....G..... .....T.C.....T.....C...CC.GG.GC...TC.....	2	0.58
85	A..T..C.....CCT...D.....T.....G.C...TT.A.T.GTA..G...DTTCCG...GT.AT CAAT..A.G.....TC...TCT..CC...C...G.T...TC.....	1	0.29
86	A..T..C.....CCT.....GT.AT CAAT.AA.....C..TC.....C...CC.GG.GC...TC.....	3	0.88
87	A..T..C.....CCT.....GT.AT CAAT.AA.....C..T.....C...CC.GG.GC...TC.....	1	0.29
88	A..T..C.....CCT.....GT.AT CA.T..A.....C..TC.....C...CC.GG.GC...TC.....	2	0.58
89	A..T..C.....CCT.....GT.AT CA.T.....C.....C...CC.GG.GC...TC.....	2	0.58
90	A..T..C.....CCT.....T.....GT.AT CAAT.AA.....C..TC.....C...CC.GG.GC...TC.....	1	0.29
91	A..T..C.....C.....T.ATGA..GA.A..AC.....GT.AT CAAT..A.....C..TC.....C...CC.GG.GC...TC.....	3	0.88
92	A..T..C.....C.....T.ATGA..GA.A..AC.....GT.AT CAAT..A.....C..TC.....C...CC.GG.GC...TC.....	1	0.29
93	AT.....C.....TGAGTG..A..AC.T...A...G...T.....GTA..G.TAD.T.C...GT.AT CAAT..A.....TC.A..TCT..CC.....C..G..G...TC.....G..T	1	0.29
94	.....C.....T..TGA..GA.A..AC.T..CA...GG.C...TT.A.T.GTA..G...DTTCCG...GT.AT CAAT..A.G.....TC...TCT..CC...C...G.....TC.....	2	0.58
95	.....C.T.....C.....T...A...GG...T.....GTA..G...DTT.C...GT.AT CAAT..A.....TC.....CTG.CC.....	1	0.29
96	.....C.T.....T...A...GG...T.....GTA..G...DTT.C...GT.AT CAAT..A.....TC.....CTG.CC.....	3	0.88

97	.....T.ATGA..GA.A..AC.T..A..GG..A.T.....GTA..G...DTT.C...GT.AT CAAT..A.....TC.....CTG.CC.....	4	1.17
98	.....T.ATGA..GA.A..AC.T..A..GG.....GT.AT CA.T..A.....C..TC.....C...CC.GG.GC...TC.....	1	0.29
99	.....T.ATGA..GA.A..AC.T..A..GG.....G..GT.AT CAAT.AA.....C..TC.....C...CC.GG.GC...TC.....	1	0.29
100	.....T.ATGA..GA.A..AC.T..A..GG...T.....GTA..G...D.T.C...GT.AT CAAT..A.....TC.....CTG.CC.....	1	0.29
101	.....T.ATGA..GA.A..AC.T..A..GG...T.....GTA..G...DTT.C...AGT.AT CA.T..A.....TC.....CTG.CC.....	1	0.29
102	.....T.ATGA..GA.A..AC.T..A..GG...T.....GTA..G...DTT.C...GT.AT CAAT..A.....TC.A..TCT..CC.....C..G..G...TC.....G..T	1	0.29
103	.....T.ATGA..GA.A..AC.T..A..GG...T.....GTA..G...DTT.C...GT.AT CAAT..A.....TC.....CTG.CC.....A....	3	0.88
104	.....T.ATGA..GA.A..AC.T..A..GG...T.....GTA..G...DTT.C...GT.AT CAAT..A.....TC.....CTG.CC.....G...	1	0.29
105	.....T.ATGA..GA.A..AC.T..A..GG...T.....GTA..G...DTT.C...GT.AT CAAT..A.....TC.....CTG.CC.....G..C.....	1	0.29
106	.....T.ATGA..GA.A..AC.T..A..GG...T.....GTA..G...DTT.C...GT.AT CAAT..A.G.....TC.....CTG.CC.....	1	0.29
107	.....T.ATGA..GA.A..AC.T..A..GG...T.....GTA..G...DTT.C...GT.AT CA.T..A.....TC.....CTG.CC.....	1	0.29
Remarks:	.....GC.T..C.....G.....CAT..A..GG...T.....CGTA..G...D.T.C...GT.AT CAAT.AAD.....TC.....CT..CC.....TG.....TC.....	1	0.29

I¹=Insertion (AT)

I²=Insertion (TTC)

I³=Insertion (T)

MBL2

59

Chimp			
Human	ACGCACGI ¹ TCGCCGCCGGATGCGCTGTCGTGCCCGCAACGACATCGTACCTGCCGACTC		
1	ACGAACAICCGCCGCCGGGTGCGCTGTCGTGGCCCCAACGACATCGTAACGAACACTACTC		
2	.....A.....	13	3.80

3	.....CG.G.....A.....	3	0.88
4	.....A.....	2	0.58
5	.....	44	12.87
6	.....G.....	5	1.46
7	.....G.....A..C.....CG.G.....C...GCTTGC.G....	38	11.11
8	.....G.....A..C.....CG.G.....A.....	6	1.75
9	...CG.GDGT.AT...AA.....CG.G.....C...GCTTGC.G....	16	4.68
10	...CG.GDGT..T...A.....CG.G.....C...GCTTGC.G....	4	1.17
11	...CG.GDGT..T...A.....CG.G.....A.....	65	19.01
12	.G.....G...A.T...C...C.C...CG.G.....A.....	2	0.58
13	.G.....G.....C...C.C...CG.G.....C...GCTTGC.G....	4	1.17
14	.G.....G.....C...C.C...CG.G.....A.....	78	22.81
15	.G.....G.....C...C.C...CG.G.....G..A.....	3	0.88
16	.G.....G.....C...C.C...CG.G...T.....A.....	2	0.58
17	.G.....G.....T...C...C.C...CG.G.....A.....	10	2.92
18	.G.CG.GDGT.AT...AA.....CG.G.....C...GCTTGC.G....	6	1.75
19	.....A.....G.....	1	0.29
20	.....A.....T.....	1	0.29
21	.....CG.G.....C...GCTTGC.G....	3	0.88
22	.....A.T...	1	0.29
23	.....T..	1	0.29
24	.....C.....	1	0.29
25	.....C.....	1	0.29
26	.....G.....	3	0.88
27	.....G.G.....	1	0.29
28	.....T.....A.....	1	0.29
29	.....G.....A..C..A.....CGTG.....C...GCTTGC.G....	1	0.29
30	.....G.....A..C.....ACG.G.....C...GCTTGC.G....	1	0.29
31	.....G.....A..C.....C.....C...GCTTGC.G....	2	0.58
32	.....G.....A..C.....CG.G.....C...GCTTGC.G...T	1	0.29
33	.....G.....A..C.....C...GCTTGC.G....	1	0.29
34	.....G.....C.....CG.G.....C...GCTTGC.G....	3	0.88
35	.....T.....	1	0.29
36	...CG.GDGT.AT...AA.....CG.G...C...C...GCTTGC.G....	1	0.29
37	...CG.GDGT..T...A.....A..CG.G.....A.....	1	0.29
38	...CG.GDGT..T...A.....CG.G.....	2	0.58
39	...CG.GDGT..T...A.T.....CG.G.....A.....	2	0.58

40	.G.....G.....C.A..C.C....CG.G.....A.....	1	0.29
41	.G.....G.....C...AC.C....CG.G.....A.....	1	0.29
42	.G.....G.....C...C.C....CG.G.....A.....C.	1	0.29
43	.G.....G.....C...C.C....CG.G.....T..A.....	2	0.58
44	.G.....G.....C...C.C....CG.GT.....A.....	2	0.58
45	.G.....G.....T...C...C.C....CG.G.....C...GCTTGC.G....	2	0.58
46	G.A....G.....C.C.....G...GC.G....	1	0.29
Remarks:	G.A....G.....T.C.C.....G...GC.G....	1	0.29
78	Chimp	I ¹ =Insertion (AAAGAG)	
	Human		
	GGTCD ¹ TTGTCTCTI ¹ CTCAGCTACCGGTATACGTAGCGGGCCACAGCCCTCACTGGCGGGTTTCACGC ² GAGTATCTAA		
1	AGTCDTTGTCTCTDCTCAGTTACCGGTATACGTGGCGGACCCTGTTCTCACTGACGTGGTTCGCGCIAAGGGTCTAA		
2	.....A...A.....G.AT.....	3	1.27
3	.....	6	2.54
4	.....T.C...G	2	0.85
5	.....T.....	109	46.19
6	.....T.....	9	3.81
7	G.....G...C..T.....T.....A.....T.....C.....G.AT.....	26	11.02
8	G..TI.C...CT.I..AG.C.GG.A.....A..A.G...A.CC.CT.....C.....G.AT.....	31	13.14
9	.....AA.....C..A.....TG..C..T.....A.T...	1	0.42
10	.....CT.I..AG.C.GG.A.....A..A.G...A.CC.CT.....C.....G.AT.....	1	0.42
11	.....C.....T.....	1	0.42
12	.....A.....T.....	2	0.85
13	.....A.....A..A.G...A.....A...C...CT.T...GTAT...G.	1	0.42
14	.....A.....A.....T....C.....G..T.....	1	0.42
15	.....A.....T.....	1	0.42

TLR1

16	.....C.....T.....	1	0.42
17	.....A.....T.....	1	0.42
18	.....C.A.....G.AT.....	1	0.42
19	.....C.....G.AT.....	1	0.42
20	.....T.C....	2	0.85
21	.....T.....T.....	1	0.42
22	.....T.....T..G..	1	0.42
23	.....T.....T.....	1	0.42
24	.....T.....T.....	3	1.27
25	.....T.....T.C..G	1	0.42
26	.....T.....T.....	2	0.85
27	G.....G...C..T.A...T.....A.....T....C.....G.AT.....	2	0.85
28	G.....G...C..T....T.....A.C....T....C.....G.AT.....	2	0.85
29	G.....G...C..T....T.....A.....C.A.....G.AT.....	1	0.42
30	G.....G...C..T....T.....A.....C.....G.AT.....	2	0.85
31	G.....G...C..T....T.....A.....T....C....T...G.AT.....	1	0.42
32	G.....G...C..T....T.....A.....T..G..C.....G.AT.....	1	0.42
33	G.....G...C..T....T.....T.....	1	0.42
34	G.....G...C..T....T.....TA.....T....C.....G.AT.....	1	0.42
35	G.....G...C..T....T.....T..A.....T....C.....G.AT.....	2	0.85
36	G.....C.....A.....T....C.....G.AT.....	1	0.42

37	G.....A...C...CT.T...GTAT...G.	1	0.42
38	G.....T.....T.....	1	0.42
39	G.....T.....C.....G.AT.....	2	0.85
40	G..TI.C...CT.I..AG.C.GG.A.....A..A.G...A.CC.C.....C.....G.AT.....	1	0.42
41	G..TI.C...CT.I..AG.C.GG.A.....A..A.G...A.CC.CT.....AC.....G.AT.....	1	0.42
42	G..TI.C...CT.I..AG.C.GG.A.....A..A.G...A.CC.CTT.....C.....G.AT.C....	1	0.42
43	G..TI.C...CT.I..AG.C.GG.A.....A..A.G...A.CC.CTT.....C.....G.AT.....	2	0.85
44	G..TI.C...CT.I..AG.C.GG.A.....AT.A.G...A.CC.CT.....C.....G.AT.....	2	0.85
45	G..TI.C...CT.IT.AG.C.GG.A.....A..A.G...A.CC.CT.....C.....A..G.AT.....	1	0.42
Remarks:	G..TI.C...CT.IT.AG.C.GG.A.....A..A.G...A.CC.CT.....C.....G.AT.....	1	0.42

D¹=Deletion (A)

I¹=Insertion (TC)

I²=Insertion (C)

TLR2

25

Chimp	Human		
	TCGCATAAI ¹ TCTGGTCTCGCCGTTT		
1	TCGCATGADTCTGGTTTCGCCGTTT		
2	A.....A.I..CA..CC.....	5	1.46
3	A.....A.I..C...CC.....	28	8.19
4	A.....A.I..C...C.....	27	7.89
5	A.....A.I..C.....	38	11.11
6	..A..A.I.....C..A.....	5	1.46
7	..A..A.I.....C.....A..	3	0.88
8	..A..A.I.....C.....	12	3.51
9	.....AGI..C...C.....	2	0.58
10	.....AGI..C.....	192	56.14
11	A.....A...C.....	1	0.29
12	A.....A.IC.C.....A.....	1	0.29
13	A.....A.I..CA..CC...A...	1	0.29
14	A.....A.I..C...CC...T....	1	0.29
15	A.....A.I..C...C.....A..	1	0.29
16	A.....A.I..C...C...T....	1	0.29

17	A....A.I..C.....A.....	3	0.88
18	A....A.I..C.....A..	1	0.29
19	..A...A.I.....CC.....	1	0.29
20	..A...A.I.....C.....C	1	0.29
21	..A...A.I.....C.T.....	2	0.58
22	..A...A.I.....	2	0.58
23	..A...A.I.T.....	1	0.29
24	..A...AGI..C.....	1	0.29
25	.....GAGI..C.....	1	0.29
26	.....A.I..C.A.....	1	0.29
27	.....A.I..C.....	1	0.29
28	.....AGI..C..C.....	1	0.29
29	.....AGI..C...CC.....	1	0.29
30	.....AGI..C...C.....AC	1	0.29
31	.....AGI..C.....A.	1	0.29
32	.....	2	0.58
33	.....I.....	1	0.29
34	...T.AGI..C.....	1	0.29
Remarks:	.G...AGI..C...C.....	1	0.29
46	Chimp	I ¹ =Insertion(T)	
	Human	ACGGTTTCCGAAGAAATAACAGCATI ¹ AGGCTCGACATCCI ² I ³ AGTAG	
1	ACGGTTTCCGAAGAAATAACAGCATIAGGCTCGAGATCTIIAGTCG		
2	..A...C.....T.....C..	26	7.60
3	...A.....G.....C.....	29	8.48
4	...A.....G.....	154	45.03
5	...A.....G.....T...	3	0.88
6	.....C.....T.....C..	2	0.58
7	.....C.....TG.....C..	2	0.58
8	.....C.C.CD...A.	9	2.63
9	.....C.C.C...A.A.	11	3.22
10	.....	12	3.51
11	.....GC.....	2	0.58
12	.....T.....C.C.C...A.A.	2	0.58
13	G.....GC...G.T.....C..	12	3.51
14	..A...C.....T...T...C..	1	0.29
15	..A...C.....G...T.....C..	1	0.29
16	..A...C.T.....T.....C..	4	1.17

TLR4

17	...AC....G.....	1	0.29
18	...A....AG.....C.....	1	0.29
19	...A....G....C.....C.....	1	0.29
20	...A....G.....A.....	3	0.88
21	...A....G.....C.....C.....	1	0.29
22	...A....G.....C.....	1	0.29
23	...A....G.....C.....D.....	1	0.29
24	...A....G.....C.C.CD...AA	1	0.29
25	...A....G.....C.C.CD...A.	1	0.29
26	...A....G.....G.....	1	0.29
27	...A....G.....T.....	1	0.29
28	...A....G.....T.....	1	0.29
29	...A....G.....G.....C.....	1	0.29
30	...A....G.....T.....	2	0.58
31	...A....G.....G.....	1	0.29
32	...A....G.....G.T.....C..	1	0.29
33	...A....G...G.....	2	0.58
34	....C.....C.C.C...A.A.	1	0.29
35	....CC.....T.....C..	1	0.29
36	....C.....D.....C...C.....	1	0.29
37	....C.....C...C.C.C...A.A.	2	0.58
38	....C.....C.C.C.....	3	0.88
39	....C.....C...C.....	1	0.29
40	....C....A.....C.C.CD...A.	1	0.29
41	....C.....C.C.CD...A.	3	0.88
42	....C.....	1	0.29
43	....C.....T.A.....C..	1	0.29
44	....C.....C.....	2	0.58
45	.....A.....	1	0.29
46	.....G.....C.C.CD...A.	1	0.29
47	.....G.....C.C.C...A.A.	1	0.29
48	.....G.....	1	0.29
49	.....G.....GC.C.CD...A.	1	0.29
50	.....G.....G.....C...C.....	1	0.29
51	.....GC....G.T....A.....C..	1	0.29
52	.....GC....G.T.....C.....C..	12	3.51
53	.....GC....G.T.....C..	5	1.46

54	.....GC.....G.T.....	1	0.29
55	.....GC.....G.T..G.....C..	1	0.29
56	.GA...C.....T.....C..	1	0.29
57	G.....GC.....C.....	3	0.88
58	G.....GC.....G.....C.....	3	0.88
Remarks:	G.....GC.....G.T.....A.....C..	1	0.29

I¹=Insertion (AG)

I²=Insertion (ATTG) for Chimp and Insertion (ACTG) for Humans

I³=Insertion (T)

TLR5

43

Chimp	Human		
	D ¹ GGGTATI ¹ ATCACGGATGCCACCCACGCACGCTD ² D ³ CGACTAGT		
1	DGGGTGCDACCACGCGTGCCACCATGCACACCDITGATTAGG		
2	.A.....C.....G.TIDC..C.GAT	11	3.22
3	.....C.....C.....G.TIDC.GC.GAT	7	2.05
4	.....AT.C.....G.TIDC..C.GAT	26	7.60
5	.....C.....G.TIDC..C.GAT	78	22.81
6	.....T.GA.....	96	28.07
7	.....T.GA.....G.....	9	2.63
8	.....T.GA.....G..A.....	4	1.17
9	.....T.GA.....G.....	35	10.23
10	.....T.GA.....G...T.....	12	3.51
11	.....GT.GA.....	17	4.97
12	.T....I.....AT.C.....G.TIDC..C.GAT	5	1.46
13	.T.TC.TI.TT....C.....C.....G.TIDC.GC.GAT	12	3.51
14	.A.....T.GA.....G.....	1	0.29
15	.A.....GT.GA.....	1	0.29
16	...C.TI.TT....C.....C.....G.TIDC.GC.GAT	1	0.29
17	....A.....C.....G.TIDC..C.GAT	2	0.58
18	.....A.....C.....G.TIDC..C.GAT	1	0.29
19	.....C.....G.TIDC..C....	2	0.58
20	.....T.GA.C.....	1	0.29
21	.....T.GA.....A.....	1	0.29
22	.....T.GA.....D.....	2	0.58
23	.....T.GA.....A..C...	1	0.29
24	.....T.GA.....A.....	2	0.58
25	.....T.GA.....G.....A.....	1	0.29
26	.....T.GA.....G.A..T.....	1	0.29
27	.....T.GA.....G.....A.....	1	0.29

28	.....T.GA....G.....	1	0.29
29	.....T.GA...T.....G.....	1	0.29
30	.....T.GA...G.....	1	0.29
31	.....T.GA..T.....	2	0.58
32	.....T...T.GA.....G.....	1	0.29
33	.....I.....AT.C...G.TIDC..C.GAT	1	0.29
34	.T.....T.GA.....	2	0.58
35	I.....C...G.TIDC..C.GAT	1	0.29
Remarks:	I.....T.GA.....	2	0.58

D¹=Deletion(G)

D²=Deletion(T)

D³=Deletion(CGTTTCTT) OR D(GTTTCTTC)

I¹=Insertion(TGAGTAGC)

TLR6

57

Chimp	I ¹ =Insertion(TGAGTAGC)		
Human	TCTAATCGGACGATGACCGCGTAATGCGCGTGGGCTCTGTTGI ¹ ATAGGCGTAGTTCA		
1	TGTAGTCGGACGACGACCGTGCATGTGCATGGGCTCCGTTGDCCGGGCGTAGTGCA		
2	CC.G.....T...G...C.TA...C.GG..T..G.....IATAA.....TTT	4	1.17
3	.CA...AA.....A..TA...C.....C.IAT.....C...TTT	5	1.46
4	.CA...AA.....TA...C.....IAT.....TTT	57	16.67
5	.C.G.C.....G.T.C.TA...C.GG.....AIAT.....	12	3.51
6	.C.G.C.....G.T.C.TA...C.GG.....IAT.....G....	50	14.62
7	.C.G.C.....G.T.C.TA...C.GG.....T...AIAT.....	10	2.92
8	.C.G.....G...C.TA.C.CAGG.....IATA.....TT.	9	2.63
9	.C.G.....TT..G...C.TA.C.C.GG.A.....IATA.....TTT	5	1.46
10	.C.G.....T...G...C.TA...C.GG....G.....IATAA.....TTT	17	4.97
11	.C.G....T....GT..C.TA...C.GG.....C..IATAA....A.TTT	14	4.09
12	.....C...C.....	4	1.17
13	.....C.....	114	33.33
14	.....C.....T.....	9	2.63
15	.CA...A.....C.....	1	0.29
16	.CA...A.....G.T.C.TA...C.GG.....IAT.....G....	1	0.29
17	.CA.....G.T.C.TA...C.GG.....IAT.....G....	1	0.29
18	.CA...TAA.....TA...C.....IAT.....TTT	1	0.29
19	.C.G.C.....C.....T.....	1	0.29
20	.C.G.C.....G.T.C.TA...C.GG.....A...IAT.....G....	1	0.29
21	.C.G.C.....G.T.C.TAG..C.GG.....IAT.....G....	1	0.29
22	.C.G.....G...C.TA.C.C.GG.....IATA.....TT.	1	0.29
23	.C.G.....TT..G...C.TA.C.C.GG.A..A.....IATA.....TTT	1	0.29

24	.C.G.....T....G...C.TA...C.GG.....G.....IATAA..A....TTT	1	0.29
25	...A.....C.....	4	1.17
26	.....C.....A.....	1	0.29
27	.....C.....C...	2	0.58
28	.....C.....T.....	4	1.17
29	.....A.....	2	0.58
30	.....	3	0.88
31	.....TC.....	1	0.29
32	.....TA...C.GG.....IATA.....TT.	2	0.58
33	.....T....C.....	1	0.29
34	.....TA.....C.....	1	0.29
Remarks:	.....TT..G...C.TA.C.C.GG.A.....IATA.....TTT	1	0.29

TLR9

27

Chimp	I ¹ = Insertion(TTGGG)		
Human	TCACCC*CGGGCCACCGGGAGGGGCC ¹		
1	TCATTCCCGGACCGCCGGGGGGGCC		
2	...CC...A.G....A.A...A...	10	2.92
3	...C.....G.....A.....	94	27.49
4	...C.....G...T...A.....	5	1.46
5	...C.....G.....A.....	21	6.14
6	.....A.....	6	1.75
7	.....A....	6	1.75
8	.....	153	44.74
9	.....T..	2	0.58
10	.....T.....	11	3.22
11	C..C.....G.....A.....	1	0.29
12	...C.....G.....	3	0.88
13	...C.....G...T...A.....	1	0.29
14	...C.....G.T.....A.....	2	0.58
15	...C...G..G.....A.....	1	0.29
16	...C..T..TG.....A.....	1	0.29
17	...C.....	3	0.88
18	...C.....G.....A.A.....	1	0.29
19	...C.....G.....A.....D	1	0.29
20	...C.....G.....A...T..	2	0.58
21	...C.T..TG.....A.....	1	0.29
22	...A.....T.....	1	0.29
23	.....A....A.....	3	0.88

24	.....A.....	1	0.29
25	.....T.	1	0.29
26	.....T.....	1	0.29
27	.....T.....	1	0.29
28	.....G.....A.....	3	0.88
29	..CC.....G.....A.....	4	1.17
30	..C.....	1	0.29
Remarks:	.T..C.....G.....A.....	1	0.29

i¹=Insertion(G)

