

S8 Table

	Gene name	Element length [kb]	Nbr. of all SNPs	SNP density
1	HLADQA1	3.0	300	100.0
2	HLADQB1	3.0	299	99.67
3	IPLL5	3.0	189	63.0
4	PSG4	3.0	143	47.67
5	MTRNR2L1	3.0	132	44.0
6	PSG7	3.0	121	40.33
7	BCL6	3.0	116	38.67
8	PSG11	3.0	112	37.33
9	HLADRB5	3.0	103	34.33
10	PSG5	3.0	101	33.67
11	PSG6	3.0	97	32.33
12	PSG8	3.0	93	31.0
13	WDR1	3.0	91	30.33
14	TMEM14C	3.0	89	29.67
15	OR11H4	3.0	89	29.67
16	FDFT1	3.0	88	29.33
17	CD300A	3.0	86	28.67
18	WDR74	3.0	86	28.67
19	USP17L7	3.0	85	28.33
20	CCDC144NL	3.0	82	27.33
21	TUBA3C	3.0	79	26.33
22	PRR21	3.0	79	26.33
23	USP17L2	3.0	78	26.0
24	CGB	3.0	76	25.33
25	ORC5	3.0	76	25.33
26	KRTAP48	3.0	76	25.33
27	PRLH	3.0	75	25.0
28	HIST1H2BA	3.0	75	25.0
29	OR2T27	3.0	74	24.67
30	DEF8	3.0	73	24.33
31	ZNF16	3.0	73	24.33
32	JAKMIP3	3.0	72	24.0
33	KIR2DS4	3.0	71	23.67
34	ZFAND2A	3.0	71	23.67
35	D2HGDH	3.0	70	23.33
36	OR13C5	3.0	69	23.0
37	HIST1H2AA	3.0	68	22.67
38	PSG9	3.0	68	22.67
39	PLEKHN1	3.0	68	22.67
40	POLDIP3	3.0	67	22.33
41	FRMD1	3.0	67	22.33
42	OR51F1	3.0	67	22.33
43	PGPEP1L	3.0	67	22.33
44	KRTAP98	3.0	67	22.33
45	TCL1A	3.0	66	22.0
46	FAM160B2	3.0	66	22.0
47	PSG1	3.0	66	22.0
48	TRMT10B	3.0	66	22.0
49	C12orf57	3.0	66	22.0
50	MCPH1	3.0	66	22.0

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51	SERPINA9	3.0	66	22.0
52	TUSC5	3.0	66	22.0
53	CGB7	3.0	66	22.0
54	C19orf10	3.0	66	22.0
55	FCGR3B	3.0	65	21.67
56	TTI2	3.0	65	21.67
57	PRTN3	3.0	65	21.67
58	DEFB1	3.0	65	21.67
59	SLC35G4	3.0	65	21.67
60	LILRB2	3.0	65	21.67
61	RFPL3	3.0	65	21.67
62	TMEM88B	3.0	65	21.67
63	GCC2	3.0	64	21.33
64	SSR1	3.0	64	21.33
65	TLDC1	3.0	64	21.33
66	PSG2	3.0	64	21.33
67	KRT5	3.0	64	21.33
68	IFITM2	3.0	63	21.0
69	CES1	3.0	63	21.0
70	ALG12	3.0	63	21.0
71	AQP12B	3.0	63	21.0
72	ZNF761	3.0	63	21.0
73	HIST1H2BF	3.0	63	21.0
74	IRGM	3.0	63	21.0
75	ZNF57	3.0	63	21.0
76	OR5H6	3.0	63	21.0
77	MSLN	3.0	63	21.0
78	CYP4F12	3.0	62	20.67
79	HIST1H4H	3.0	62	20.67
80	GZMM	3.0	62	20.67
81	PSG3	3.0	62	20.67
82	C1QTNF8	3.0	62	20.67
83	MS4A12	3.0	61	20.33
84	ZNF812	3.0	61	20.33
85	AMTN	3.0	61	20.33
86	ZNF773	3.0	61	20.33
87	CRELD2	3.0	61	20.33
88	SLC35G5	3.0	61	20.33
89	PLCG2	3.0	61	20.33
90	HIST1H2AC	3.0	61	20.33
91	TMEM105	3.0	61	20.33
92	TREML4	3.0	61	20.33
93	ZNF443	3.0	61	20.33
94	SLC22A16	3.0	61	20.33
95	XCL2	3.0	61	20.33
96	TTLL10	3.0	61	20.33
97	DHRS4	3.0	60	20.0
98	ZNF320	3.0	60	20.0
99	CD7	3.0	60	20.0
100	RPUSD1	3.0	60	20.0