

GENETIC RISK ANALYSIS

Genetic Association in SLE

DRB1

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
04:11	4%	6.9%	0.44	1.78(0.54-7.65)
13:02	2%	4.5%	0.35	2.28(0.46-22.08)
12:53	1%	0.5%	0.55	0.49(0.01-39.05)
03:01	1%	5.9%	0.067	6.23(0.9-269.64)
04:02	0%	2%	0.31	Inf(0.33-Inf)
04:10	0%	1%	1	Inf(0.09-Inf)
07:01	7%	12.4%	0.17	1.87(0.75-5.33)
04:03	1%	1.5%	1	1.49(0.12-79.1)
01:01	2%	4%	0.51	2.02(0.39-19.85)
04:05	4%	1%	0.096	0.24(0.02-1.72)
04:01	1%	0.5%	0.55	0.49(0.01-39.05)
11:03	0%	2%	0.31	Inf(0.33-Inf)
11:01	5%	2.5%	0.31	0.48(0.11-2.16)
14:01	1%	3%	0.43	3.02(0.36-140.7)
08:04	1%	1.5%	1	1.49(0.12-79.1)
04:07	2%	2%	1	0.99(0.14-11.12)
08:07	8%	3%	0.077	0.35(0.1-1.2)
08:02	6%	2%	0.088	0.32(0.06-1.38)
01:02	0%	1.5%	0.55	Inf(0.2-Inf)
13:27	0%	0.5%	1	Inf(0.01-Inf)
13:01	5%	5.9%	1	1.2(0.38-4.47)
13:03	1%	2%	1	2(0.19-99.43)
09:01	0%	2%	0.31	Inf(0.33-Inf)
08:01	5%	1.5%	0.12	0.29(0.04-1.51)
15:03	0%	3%	0.18	Inf(0.59-Inf)
04:04	4%	1.5%	0.23	0.36(0.05-2.19)
01:03	0%	0.5%	1	Inf(0.01-Inf)
11:04	2%	1%	0.6	0.49(0.04-6.87)
10:01	2%	1%	0.6	0.49(0.04-6.87)
15:01	4%	7.9%	0.23	2.06(0.64-8.7)
08:13	0%	0.5%	1	Inf(0.01-Inf)
14:02	1%	1%	1	0.99(0.05-58.97)
11:69	2%	0%	0.11	0(0-2.63)
11:07	1%	0%	0.33	0(0-19.31)
04:13	1%	0%	0.33	0(0-19.31)
03:06	2%	0%	0.11	0(0-2.63)
03:04	1%	0%	0.33	0(0-19.31)
03:05	1%	0%	0.33	0(0-19.31)
03:07	1%	0%	0.33	0(0-19.31)
16:02	4%	4%	1	0.99(0.26-4.6)
11:02	0%	1.5%	0.55	Inf(0.2-Inf)
14:07	0%	0.5%	1	Inf(0.01-Inf)

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
04:160	0%	0.5%	1	Inf(0.01-Inf)
16:01	2%	2%	1	0.99(0.14-11.12)
15:02	1%	2.5%	0.67	2.51(0.28-119.96)
15:11	0%	0.5%	1	Inf(0.01-Inf)
15:32	0%	0.5%	1	Inf(0.01-Inf)
15:07	0%	0.5%	1	Inf(0.01-Inf)
16:11	0%	0.5%	1	Inf(0.01-Inf)
13:167	0%	0.5%	1	Inf(0.01-Inf)
14:146	1%	0%	0.33	0(0-19.31)
12:01	2%	0%	0.11	0(0-2.63)
16:15	1%	0%	0.33	0(0-19.31)
11:29	1%	0%	0.33	0(0-19.31)
13:60	1%	0%	0.33	0(0-19.31)
11:26	2%	0%	0.11	0(0-2.63)
15:35	1%	0%	0.33	0(0-19.31)
11:12	1%	0%	0.33	0(0-19.31)
11:34	1%	0%	0.33	0(0-19.31)
14:35	1%	0%	0.33	0(0-19.31)
11:05	1%	0%	0.33	0(0-19.31)
15:10	1%	0%	0.33	0(0-19.31)

DQA1

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
03:01	26%	13.4%	0.0097	0.44(0.23-0.84)
01:02	0%	22.8%	2.1e-09	Inf(7.42-Inf)
01:03	0%	7.4%	0.0033	Inf(1.86-Inf)
04:01	0%	8.9%	0.0011	Inf(2.32-Inf)
02:01	0%	10.4%	0.00018	Inf(2.79-Inf)
01:01	0%	10.9%	0.00019	Inf(2.95-Inf)
03:02	15%	5%	0.0064	0.3(0.11-0.74)
05:01	15%	5.9%	0.017	0.36(0.15-0.86)
03:11	1%	0%	0.33	0(0-19.31)
04:28	2%	0%	0.11	0(0-2.63)
02:02	3%	0%	0.036	0(0-1.19)
03:04	3%	0%	0.036	0(0-1.19)
04:02	7%	0%	0.00038	0(0-0.33)
06:02	8%	0%	0.00012	0(0-0.28)
03:03	1%	0%	0.33	0(0-19.31)
06:01	2%	0%	0.11	0(0-2.63)
05:05	0%	12.4%	3.1e-05	Inf(3.44-Inf)
05:03	0%	1.5%	0.55	Inf(0.2-Inf)
05:02	2%	0.5%	0.26	0.25(0-4.76)
06:20	3%	0%	0.036	0(0-1.19)
06:58	1%	0%	0.33	0(0-19.31)
06:31	2%	0%	0.11	0(0-2.63)
06:156	2%	0%	0.11	0(0-2.63)
06:04	1%	0%	0.33	0(0-19.31)

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
06:03	4%	0%	0.012	0(0-0.74)
06:09	1%	0%	0.33	0(0-19.31)
05:66	1%	0%	0.33	0(0-19.31)

DQB1

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
03:01	15%	14.9%	1	0.99(0.48-2.09)
02:01	3%	5.4%	0.4	1.86(0.48-10.62)
03:02	0%	14.4%	5e-06	Inf(4.13-Inf)
02:02	0%	10.9%	0.00019	Inf(2.95-Inf)
06:04	0%	4%	0.056	Inf(0.86-Inf)
05:03	1%	3%	0.43	3.02(0.36-140.7)
04:02	0%	7.9%	0.0018	Inf(2.01-Inf)
04:03	0%	0.5%	1	Inf(0.01-Inf)
03:03	0%	3%	0.18	Inf(0.59-Inf)
06:02	0%	11.9%	5.4e-05	Inf(3.28-Inf)
04:10	0%	0.5%	1	Inf(0.01-Inf)
05:01	8%	7.4%	0.82	0.92(0.35-2.61)
03:23	0%	0.5%	1	Inf(0.01-Inf)
01:01	25%	0%	1e-13	0(0-0.06)
01:02	16%	0%	8.8e-09	0(0-0.11)
01:03	8%	0%	0.00012	0(0-0.28)
04:01	11%	0.5%	3.1e-05	0.04(0-0.29)
05:02	0%	4%	0.056	Inf(0.86-Inf)
06:03	0%	5%	0.034	Inf(1.14-Inf)
03:70	0%	1%	1	Inf(0.09-Inf)
05:82	0%	0.5%	1	Inf(0.01-Inf)
06:09	0%	1.5%	0.55	Inf(0.2-Inf)
06:01	0%	2%	0.31	Inf(0.33-Inf)
05:05	13%	0%	3.3e-07	0(0-0.15)

DPA1

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
01:03	0%	62.9%	5.5e-32	Inf(42.88-Inf)
02:02	0%	6.9%	0.0062	Inf(1.72-Inf)
01:01	7%	0.5%	0.0022	0.07(0-0.53)
02:01	10%	24.8%	0.0021	2.95(1.39-6.86)
01:13	0%	1%	1	Inf(0.09-Inf)
04:01	23%	0%	1.4e-12	0(0-0.07)

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
14:01	6%	0%	0.0012	0(0-0.41)
03:01	8%	2.5%	0.035	0.29(0.07-1.05)
17:01	4%	0%	0.012	0(0-0.74)
03:02	0%	0.5%	1	Inf(0.01-Inf)
11:01	4%	0%	0.012	0(0-0.74)
15:01	2%	0%	0.11	0(0-2.63)
09:01	2%	0%	0.11	0(0-2.63)
33:01	7%	0%	0.00038	0(0-0.33)
20:01	1%	0%	0.33	0(0-19.31)
59:01	1%	0%	0.33	0(0-19.31)
57:01	1%	0%	0.33	0(0-19.31)
10:01	1%	0%	0.33	0(0-19.31)

DPB1

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
04:02	0%	15.8%	1.4e-06	Inf(4.66-Inf)
03:01	0%	11.4%	9.9e-05	Inf(3.11-Inf)
02:01	26%	9.9%	0.00053	0.31(0.16-0.63)
05:01	0%	5.4%	0.018	Inf(1.28-Inf)
04:01	0%	25.7%	7.5e-11	Inf(8.75-Inf)
01:03	63%	0.5%	2.2e-37	0(0-0.02)
14:01	0%	5.9%	0.01	Inf(1.42-Inf)
19:01	0%	0.5%	1	Inf(0.01-Inf)
01:01	0%	5%	0.034	Inf(1.14-Inf)
30:01	0%	1%	1	Inf(0.09-Inf)
17:01	0%	4%	0.056	Inf(0.86-Inf)
13:01	0%	2.5%	0.17	Inf(0.46-Inf)
02:02	5%	0.5%	0.016	0.1(0-0.87)
11:01	0%	2%	0.31	Inf(0.33-Inf)
01:11	4%	0.5%	0.043	0.12(0-1.24)
105:01	0%	2.5%	0.17	Inf(0.46-Inf)
106:01	0%	0.5%	1	Inf(0.01-Inf)
23:01	0%	0.5%	1	Inf(0.01-Inf)
27:01	0%	1%	1	Inf(0.09-Inf)
09:01	0%	1%	1	Inf(0.09-Inf)
16:01	0%	0.5%	1	Inf(0.01-Inf)
06:01	0%	1%	1	Inf(0.09-Inf)
80:01	0%	0.5%	1	Inf(0.01-Inf)
10:01	0%	1%	1	Inf(0.09-Inf)
01:08	1%	0%	0.33	0(0-19.31)
01:04	1%	0%	0.33	0(0-19.31)

Genetic Association in RA

DRB1

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
01:01	2%	5.3%	0.23	2.76(0.58-26.08)
08:01	5%	1%	0.04	0.19(0.02-1.17)
15:02	1%	2.9%	0.43	2.96(0.35-137.89)
04:04	4%	4.4%	1	1.1(0.3-5)
04:05	4%	7.3%	0.32	1.88(0.58-8)
04:01	1%	5.8%	0.067	6.1(0.88-264.09)
03:01	1%	8.3%	0.009	8.87(1.35-375.25)
13:01	5%	3.4%	0.54	0.67(0.18-2.75)
04:11	4%	3.4%	0.75	0.84(0.21-4.03)
11:01	5%	3.4%	0.54	0.67(0.18-2.75)
08:02	6%	1.9%	0.085	0.31(0.06-1.35)
04:02	0%	1.5%	0.55	Inf(0.2-Inf)
14:02	1%	7.3%	0.025	7.74(1.16-330.1)
07:01	7%	3.4%	0.24	0.47(0.14-1.62)
01:02	0%	1%	1	Inf(0.09-Inf)
04:07	2%	1.9%	1	0.97(0.14-10.9)
01:03	0%	1%	1	Inf(0.09-Inf)
10:01	2%	2.9%	1	1.47(0.26-15.14)
09:01	0%	3.9%	0.057	Inf(0.84-Inf)
14:06	0%	1%	1	Inf(0.09-Inf)
14:01	1%	3.4%	0.28	3.47(0.44-158.41)
04:03	1%	0.5%	0.55	0.48(0.01-38.29)
08:07	8%	3.9%	0.17	0.47(0.15-1.47)
13:02	2%	1.9%	1	0.97(0.14-10.9)
11:04	2%	1.5%	0.66	0.72(0.08-8.81)
12:01	2%	1%	0.6	0.48(0.03-6.74)
13:03	1%	1%	1	0.97(0.05-57.82)
11:69	2%	0%	0.11	0(0-2.58)
08:04	1%	1%	1	0.97(0.05-57.82)
11:07	1%	0%	0.33	0(0-18.93)
04:13	1%	0%	0.33	0(0-18.93)
03:06	2%	0%	0.11	0(0-2.58)
03:04	1%	0%	0.33	0(0-18.93)
03:05	1%	0%	0.33	0(0-18.93)
03:07	1%	0%	0.33	0(0-18.93)
16:02	4%	7.8%	0.32	2.02(0.63-8.52)
11:02	0%	0.5%	1	Inf(0.01-Inf)
16:12	0%	1%	1	Inf(0.09-Inf)
11:03	0%	0.5%	1	Inf(0.01-Inf)
15:01	4%	2.4%	0.48	0.6(0.13-3.08)
16:01	2%	0.5%	0.25	0.24(0-4.67)
15:03	0%	0.5%	1	Inf(0.01-Inf)
04:10	0%	0.5%	1	Inf(0.01-Inf)
14:29	0%	0.5%	1	Inf(0.01-Inf)
11:32	0%	1%	1	Inf(0.09-Inf)
14:146	1%	0%	0.33	0(0-18.93)
16:15	1%	0%	0.33	0(0-18.93)
11:29	1%	0%	0.33	0(0-18.93)
13:60	1%	0%	0.33	0(0-18.93)

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
11:26	2%	0%	0.11	0(0-2.58)
15:35	1%	0%	0.33	0(0-18.93)
11:12	1%	0%	0.33	0(0-18.93)
11:34	1%	0%	0.33	0(0-18.93)
14:35	1%	0%	0.33	0(0-18.93)
11:05	1%	0%	0.33	0(0-18.93)
15:10	1%	0%	0.33	0(0-18.93)
12:53	1%	0%	0.33	0(0-18.93)

DQA1

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
05:01	15%	12.1%	0.48	0.78(0.37-1.69)
03:03	1%	5.3%	0.11	5.56(0.79-242.52)
03:01	26%	31.1%	0.42	1.28(0.73-2.29)
02:01	0%	8.3%	0.0011	Inf(2.12-Inf)
03:02	15%	15.5%	1	1.04(0.52-2.19)
04:02	7%	7.8%	1	1.12(0.42-3.33)
02:02	3%	3.9%	1	1.31(0.3-7.81)
05:03	0%	2.9%	0.18	Inf(0.58-Inf)
06:04	1%	2.4%	0.67	2.46(0.27-117.58)
03:11	1%	0%	0.33	0(0-18.93)
04:28	2%	0%	0.11	0(0-2.58)
03:04	3%	0.5%	0.1	0.16(0-2.01)
06:02	8%	2.9%	0.075	0.35(0.1-1.18)
06:01	2%	2.9%	1	1.47(0.26-15.14)
06:03	4%	3.4%	0.75	0.84(0.21-4.03)
05:02	2%	0.5%	0.25	0.24(0-4.67)
03:179	0%	0.5%	1	Inf(0.01-Inf)
06:20	3%	0%	0.034	0(0-1.16)
06:58	1%	0%	0.33	0(0-18.93)
06:31	2%	0%	0.11	0(0-2.58)
06:156	2%	0%	0.11	0(0-2.58)
06:09	1%	0%	0.33	0(0-18.93)
05:66	1%	0%	0.33	0(0-18.93)

DQB1

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
02:01	3%	12.1%	0.01	4.45(1.31-23.6)
04:01	11%	20.4%	0.053	2.07(0.99-4.68)
04:02	0%	29.6%	1.1e-12	Inf(10.67-Inf)
01:01	25%	3.9%	9.3e-08	0.12(0.05-0.29)
03:01	15%	13.1%	0.72	0.86(0.41-1.83)

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
02:02	0%	0.5%	1	Inf(0.01-Inf)
14:01	0%	5.3%	0.019	Inf(1.25-Inf)
13:01	0%	1.9%	0.31	Inf(0.32-Inf)
05:01	8%	3.4%	0.094	0.41(0.12-1.32)
10:01	0%	0.5%	1	Inf(0.01-Inf)
06:01	0%	1.5%	0.55	Inf(0.2-Inf)
05:03	1%	0%	0.33	0(0-18.93)
01:02	16%	0%	7.1e-09	0(0-0.11)
01:03	8%	0%	0.00011	0(0-0.27)
124:01	0%	0.5%	1	Inf(0.01-Inf)
105:01	0%	1.5%	0.55	Inf(0.2-Inf)
17:01	0%	1.9%	0.31	Inf(0.32-Inf)
33:01	0%	0.5%	1	Inf(0.01-Inf)
16:01	0%	0.5%	1	Inf(0.01-Inf)
27:01	0%	1.5%	0.55	Inf(0.2-Inf)
11:01	0%	1%	1	Inf(0.09-Inf)
94:01	0%	0.5%	1	Inf(0.01-Inf)
05:05	13%	0%	2.8e-07	0(0-0.14)

DPA1

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
01:01	7%	15%	0.063	2.35(0.97-6.56)
03:02	0%	12.1%	6.1e-05	Inf(3.37-Inf)
01:03	0%	6.3%	0.0062	Inf(1.54-Inf)
03:01	8%	14.6%	0.14	1.96(0.83-5.14)
04:01	23%	7.8%	0.00038	0.28(0.13-0.59)
01:02	0%	5.8%	0.011	Inf(1.39-Inf)
05:03	0%	10.2%	0.00036	Inf(2.73-Inf)
02:01	10%	2.9%	0.013	0.27(0.08-0.85)
05:01	0%	9.7%	0.00034	Inf(2.58-Inf)
05:05	0%	15%	2.8e-06	Inf(4.38-Inf)
04:02	20%	0%	4.7e-11	0(0-0.08)
105:01	3%	0%	0.034	0(0-1.16)
14:01	6%	0%	0.0011	0(0-0.4)
17:01	4%	0%	0.011	0(0-0.72)
06:01	0%	0.5%	1	Inf(0.01-Inf)
11:01	4%	0%	0.011	0(0-0.72)
15:01	2%	0%	0.11	0(0-2.58)
09:01	2%	0%	0.11	0(0-2.58)
33:01	7%	0%	0.00034	0(0-0.32)
20:01	1%	0%	0.33	0(0-18.93)
59:01	1%	0%	0.33	0(0-18.93)
57:01	1%	0%	0.33	0(0-18.93)
10:01	1%	0%	0.33	0(0-18.93)

DPB1

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
01:03	63%	76.7%	0.014	1.93(1.11-3.35)

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
02:01	26%	17.5%	0.096	0.6(0.33-1.12)
02:02	5%	4.9%	1	0.97(0.29-3.72)
03:01	0%	1%	1	Inf(0.09-Inf)
01:11	4%	0%	0.011	0(0-0.72)
01:08	1%	0%	0.33	0(0-18.93)
01:04	1%	0%	0.33	0(0-18.93)

Genetic Association in SSc

DRB1

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
01:01	2%	8%	0.1	4.23(0.82-41.99)
07:01	7%	3%	0.33	0.41(0.07-1.87)
11:03	0%	2%	0.5	Inf(0.19-Inf)
04:11	4%	4%	1	1(0.18-5.53)
04:03	1%	1%	1	1(0.01-79.23)
11:02	0%	1%	1	Inf(0.03-Inf)
04:02	0%	3%	0.25	Inf(0.42-Inf)
11:04	2%	14%	0.0029	7.91(1.74-73.53)
16:02	4%	7%	0.54	1.8(0.44-8.68)
03:01	1%	7%	0.065	7.39(0.92-338.61)
08:02	6%	4%	0.75	0.65(0.13-2.86)
08:04	1%	4%	0.37	4.1(0.4-204.95)
04:07	2%	3%	1	1.51(0.17-18.47)
01:02	0%	3%	0.25	Inf(0.42-Inf)
01:03	0%	2%	0.5	Inf(0.19-Inf)
14:02	1%	4%	0.37	4.1(0.4-204.95)
10:01	2%	1%	1	0.5(0.01-9.68)
04:04	4%	3%	1	0.74(0.11-4.52)
15:03	0%	2%	0.5	Inf(0.19-Inf)
13:02	2%	2%	1	1(0.07-14.05)
15:01	4%	4%	1	1(0.18-5.53)
08:07	8%	1%	0.035	0.12(0-0.9)
08:01	5%	0%	0.059	0(0-1.07)
11:69	2%	0%	0.5	0(0-5.32)
04:01	1%	1%	1	1(0.01-79.23)
11:07	1%	0%	1	0(0-39)
04:13	1%	0%	1	0(0-39)
03:06	2%	0%	0.5	0(0-5.32)
03:04	1%	0%	1	0(0-39)
04:05	4%	0%	0.12	0(0-1.5)
03:05	1%	0%	1	0(0-39)
11:01	5%	0%	0.059	0(0-1.07)
03:07	1%	0%	1	0(0-39)
15:02	1%	3%	0.62	3.05(0.24-162.19)
12:01	2%	1%	1	0.5(0.01-9.68)
14:06	0%	2%	0.5	Inf(0.19-Inf)
14:01	1%	3%	0.62	3.05(0.24-162.19)
13:03	1%	3%	0.62	3.05(0.24-162.19)
13:01	5%	1%	0.21	0.19(0-1.77)
16:01	2%	2%	1	1(0.07-14.05)
09:01	0%	1%	1	Inf(0.03-Inf)
14:146	1%	0%	1	0(0-39)
16:15	1%	0%	1	0(0-39)
11:29	1%	0%	1	0(0-39)
13:60	1%	0%	1	0(0-39)
11:26	2%	0%	0.5	0(0-5.32)
15:35	1%	0%	1	0(0-39)
11:12	1%	0%	1	0(0-39)
11:34	1%	0%	1	0(0-39)

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
14:35	1%	0%	1	0(0-39)
11:05	1%	0%	1	0(0-39)
15:10	1%	0%	1	0(0-39)
12:53	1%	0%	1	0(0-39)

DQA1

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
04:02	7%	7%	1	1(0.29-3.49)
02:02	3%	2%	1	0.66(0.05-5.9)
03:01	26%	35%	0.22	1.53(0.8-2.95)
03:02	15%	14%	1	0.92(0.39-2.19)
02:01	0%	7%	0.014	Inf(1.5-Inf)
05:01	15%	15%	1	1(0.43-2.35)
05:02	2%	2%	1	1(0.07-14.05)
06:02	8%	6%	0.78	0.74(0.2-2.52)
06:01	2%	3%	1	1.51(0.17-18.47)
03:03	1%	2%	1	2.01(0.1-120.3)
03:11	1%	0%	1	0(0-39)
04:28	2%	0%	0.5	0(0-5.32)
03:04	3%	1%	0.62	0.33(0.01-4.17)
05:03	0%	2%	0.5	Inf(0.19-Inf)
06:04	1%	3%	0.62	3.05(0.24-162.19)
06:03	4%	1%	0.37	0.24(0-2.52)
06:20	3%	0%	0.25	0(0-2.41)
06:58	1%	0%	1	0(0-39)
06:31	2%	0%	0.5	0(0-5.32)
06:156	2%	0%	0.5	0(0-5.32)
06:09	1%	0%	1	0(0-39)
05:66	1%	0%	1	0(0-39)

DQB1

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
04:02	0%	20%	6.6e-07	Inf(5.89-Inf)
10:01	0%	6%	0.029	Inf(1.21-Inf)
04:01	11%	23%	0.037	2.41(1.05-5.84)
14:01	0%	5%	0.059	Inf(0.93-Inf)
03:01	15%	10%	0.39	0.63(0.24-1.6)
02:01	3%	14%	0.0093	5.23(1.39-29.32)
01:01	25%	3%	7.1e-06	0.09(0.02-0.32)
17:01	0%	4%	0.12	Inf(0.67-Inf)
05:01	8%	3%	0.21	0.36(0.06-1.55)
13:01	0%	4%	0.12	Inf(0.67-Inf)
05:03	1%	0%	1	0(0-39)
01:02	16%	0%	1.6e-05	0(0-0.23)
01:03	8%	0%	0.0068	0(0-0.56)
06:01	0%	3%	0.25	Inf(0.42-Inf)
18:01	0%	1%	1	Inf(0.03-Inf)

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
11:01	0%	1%	1	Inf(0.03-Inf)
09:01	0%	1%	1	Inf(0.03-Inf)
105:01	0%	2%	0.5	Inf(0.19-Inf)
05:05	13%	0%	0.00016	0(0-0.3)

DPA1

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
01:01	7%	19%	0.019	3.1(1.17-9.19)
02:01	10%	3%	0.082	0.28(0.05-1.13)
01:03	0%	4%	0.12	Inf(0.67-Inf)
03:01	8%	13%	0.36	1.71(0.62-5.02)
05:05	0%	28%	8.3e-10	Inf(9.36-Inf)
05:01	0%	7%	0.014	Inf(1.5-Inf)
04:01	23%	7%	0.0025	0.25(0.09-0.65)
01:02	0%	11%	0.00073	Inf(2.71-Inf)
03:02	0%	2%	0.5	Inf(0.19-Inf)
05:03	0%	6%	0.029	Inf(1.21-Inf)
04:02	20%	0%	6.6e-07	0(0-0.17)
105:01	3%	0%	0.25	0(0-2.41)
14:01	6%	0%	0.029	0(0-0.83)
17:01	4%	0%	0.12	0(0-1.5)
11:01	4%	0%	0.12	0(0-1.5)
15:01	2%	0%	0.5	0(0-5.32)
09:01	2%	0%	0.5	0(0-5.32)
33:01	7%	0%	0.014	0(0-0.67)
20:01	1%	0%	1	0(0-39)
59:01	1%	0%	1	0(0-39)
57:01	1%	0%	1	0(0-39)
10:01	1%	0%	1	0(0-39)

DPB1

Allele	FrecCtrl	FrecCases	P-value	OR(95%CI)
01:03	63%	68%	0.55	1.25(0.67-2.34)
02:01	26%	26%	1	1(0.51-1.98)
02:02	5%	5%	1	1(0.22-4.5)
04:01	0%	1%	1	Inf(0.03-Inf)
01:11	4%	0%	0.12	0(0-1.5)
01:08	1%	0%	1	0(0-39)
01:04	1%	0%	1	0(0-39)