

Gene/SNP	Levels	N <sup>‡</sup>	% Dead	HR <sup>†</sup>	95% CI	Gene/SNP	Levels	N <sup>‡</sup>	% Dead	HR <sup>†</sup>	95% CI
<b>CARD15*</b>	CC	115	20.9%	1.00	reference	<b>CARD15*</b>	CC	196	23.5%	1.00	reference
rs2066842	CT	69	26.1%	1.33	0.71-2.46	rs2066844	CT	19	21.1%	1.11	0.38-3.18
P268S	TT	14	28.6%	1.40	0.47-4.13	R702W	TT	0	0.0%		
Ex4+156C→T	Total	198			p=0.35	Ex4-359C→T	Total	215			p=0.84
	CT/TT	83	26.5%	1.34	0.74-2.41		CT/TT	19	21.1%	1.11	0.38-3.18
<b>CARD15</b>	--	335	26.0%	1.00	reference	<b>CCR2</b>	GG	283	26.5%	1.00	reference
rs2066847	+-	22	27.3%	1.14	0.49-2.64	rs1799864	AG	59	23.7%	1.01	0.56-1.78
Ex11-35→C	++	0	0.0%		-	V64I	AA	4	0.0%	0.00	0 -
	Total	357			p=0.76	Ex2+241G→A	Total	346			p=0.44
	+/-++	22	27.3%	1.14	0.49-2.64		AG/AA	63	22.2%	0.89	0.50-1.57
<b>CCR5</b>	++	282	25.5%	1.00	reference	<b>CTLA4</b>	AA	117	22.2%	1.00	reference
rs333	+-	60	26.7%	1.03	0.59-1.76	rs231775	AG	154	27.3%	1.22	0.74-1.99
Δ32	--	3	0.0%	0.00	-	T17A	GG	63	30.2%	1.33	0.73-2.42
	Total	345			p=0.82	Ex1-61A→G	Total	334			p=0.32
	+/-	63	25.4%	0.98	0.57-1.69		AG/GG	217	28.1%	1.25	0.79-1.98
<b>CSF3*</b>	GG	74	21.6%	<b>1.00</b>	<b>reference</b>	<b>CX3CR1*</b>	GG	115	21.7%	1.00	reference
rs25645	AG	94	16.0%	<b>0.68</b>	<b>0.33-1.38</b>	rs3732379	AG	77	26.0%	1.19	0.65-2.17
L185L	AA	29	48.3%	<b>2.65</b>	<b>1.27-5.49</b>	V249I	AA	17	23.5%	1.11	0.38-3.19
Ex4+96G→A	Total	197			<b>p=0.041</b>	Ex2+754G→A	Total	209			p=0.65
	AG/AA	123	23.6%	<b>1.06</b>	<b>0.57-1.96</b>		AG/AA	94	25.5%	1.18	0.66-2.08
<b>CXCL12</b>	GG	228	28.5%	<b>1.00</b>	<b>reference</b>	<b>FCGR2A</b>	GG	83	22.9%	1.00	reference
rs1801157	AG	114	19.3%	<b>0.63</b>	<b>0.38-1.02</b>	rs1801274	AG	165	27.9%	1.47	0.85-2.50
3'UTR	AA	10	30.0%	<b>0.73</b>	<b>0.22-2.34</b>	H165R	AA	102	24.5%	1.15	0.63-2.08
	Total	352			<b>p=0.090</b>	Ex4-120A→G	Total	350			p=0.72
	AG/AA	124	20.2%	<b>0.64</b>	<b>0.39-1.02</b>		AG/AA	267	26.6%	1.33	0.80-2.21
<b>ICAM1</b>	AA	339	25.1%	<b>1.00</b>	<b>reference</b>						
rs5491	AT	8	50.0%	<b>2.95</b>	<b>1.06-8.16</b>						
K56M	TT	0	0.0%		-						
Ex2+100A→T	Total	347			<b>p=0.037</b>						
	AT/TT	8	50.0%	<b>2.95</b>	<b>1.06-8.16</b>						
<b>IFNA1*</b>	TT	163	25.8%	1.00	reference	<b>IFNG</b>	AA	176	24.4%	1.00	reference
rs1758566	CT	34	14.7%	0.60	0.23-1.53	rs1861494	AG	133	28.6%	1.00	0.64-1.54
5'UTR	CC	1	0.0%	0.00	-	IVS3+284G→A	GG	34	26.5%	1.03	0.50-2.11
Ex1+51T→C	Total	198			p=0.2		Total	343			p=0.96
	CT/CC	35	14.3%	0.58	0.22-1.47		AG/GG	167	28.1%	1.00	0.66-1.52
<b>IFNG</b>	TT	142	25.4%	1.00	reference	<b>IFNGR1*</b>	AA	160	21.3%	1.00	reference
rs2069705	CT	150	29.3%	0.97	0.61-1.51	rs3799488	AG	51	29.4%	1.40	0.75-2.57
C-1615T	CC	50	20.0%	0.64	0.31-1.29	IVS6-4G→A	GG	4	25.0%	0.59	0.07-4.35
	Total	342			p=0.29		Total	215			p=0.64
	CT/CC	200	27.0%	0.88	0.57-1.36		AG/GG	55	29.1%	1.29	0.70-2.34
<b>IFNGR2</b>	AA	269	23.8%	1.00	reference	<b>IL1A</b>	GG	189	21.2%	<b>1.00</b>	<b>reference</b>
rs9808753	AG	79	31.6%	1.42	0.89-2.25	rs17561	GT	147	31.3%	<b>1.62</b>	<b>1.05-2.49</b>
Q64R	GG	6	33.3%	1.12	0.27-4.60	A114S	TT	18	27.8%	<b>1.63</b>	<b>0.64-4.16</b>
Ex2-16A→G	Total	354			p=0.20	Ex5+21G→T	Total	354			<b>p=0.033</b>
	AG/GG	85	31.8%	1.39	0.88-2.18		GT/TT	165	30.9%	<b>1.62</b>	<b>1.06-2.47</b>
<b>IL1A</b>	CC	183	20.8%	<b>1.00</b>	<b>reference</b>	<b>IL1B</b>	CC	148	25.0%	1.00	reference
rs1800587	CT	157	31.8%	<b>1.82</b>	<b>1.18-2.79</b>	rs16944	CT	156	27.6%	0.98	0.63-1.53
C-889T	TT	20	35.0%	<b>2.09</b>	<b>0.92-4.68</b>	TT	50	28.0%	1.09	0.58-2.02	
Ex1+12C→T	Total	360			<b>p=0.0041</b>	C-511T	Total	354			p=0.85
	CT/TT	177	32.2%	<b>1.85</b>	<b>1.22-2.80</b>		CT/TT	206	27.7%	1.01	0.66-1.52

<b>IL1B</b> rs1143627 C-31T	TT	148	25.0%	1.00	reference	<b>IL1B</b> rs1143634 C3954T F105F	CC	237	24.1%	1.00	reference
	CT	156	26.3%	0.94	0.60-1.47		CT	107	28.0%	1.22	0.78-1.90
	CC	56	28.6%	1.10	0.60-1.98		TT	14	42.9%	2.29	0.97-5.35
	Total	360			p=0.86		Total	358			p=0.087
	CT/CC	212	26.9%	0.98	0.64-1.49		CT/TT	121	29.8%	1.32	0.86-2.01
<b>IL1RN</b> rs454078 IVS6+59A→T aka A9589	AA	196	24.0%	1.00	reference	<b>IL2</b> rs2069762 -384 T→G	TT	181	29.8%	1.00	reference
	AT	126	30.2%	1.18	0.76-1.81		GT	150	22.0%	0.78	0.50-1.19
	TT	31	22.6%	0.86	0.38-1.90		GG	28	28.6%	0.92	0.43-1.94
	Total	353			p=0.90		Total	359			p=0.4
	AT/TT	157	28.7%	1.11	0.73-1.67		GT/GG	178	23.0%	0.80	0.53-1.20
<b>IL3*</b> rs40401 Ex1-84C→T P27S	CC	106	25.5%	1.00	reference	<b>IL4</b> rs2070874 5'UTR Ex1-168C→T	CC	245	25.7%	1.00	reference
	CT	76	18.4%	0.69	0.36-1.32		CT	93	27.7%	1.28	0.80-2.04
	TT	18	27.8%	1.53	0.57-4.11		TT	18	25.0%	1.03	0.46-2.30
	Total	200			p=0.91		Total	356			p=0.47
	CT/TT	94	20.2%	0.80	0.44-1.44		CT/TT	111	27.0%	1.22	0.79-1.88
<b>IL4</b> rs2243248 T-1098G	TT	303	26.4%	1.00	reference	<b>IL4</b> rs2243250 C-524T	CC	230	26.9%	1.00	reference
	GT	52	23.1%	0.78	0.42-1.43		CT	94	25.8%	1.15	0.72-1.85
	GG	4	25.0%	1.60	0.21-11.6		TT	28	11.1%	0.34	0.08-1.40
	Total	359			p=0.58		Total	352			p=0.47
	GT/GG	56	23.2%	0.81	0.45-1.46		CT/TT	122	23.4%	0.98	0.61-1.55
<b>IL4R</b> rs2107356 C-29429T	CC	122	27.0%	1.00	reference	<b>IL5</b> rs2069807 C-1551T	CC	337	24.3%	<b>1.00</b>	<b>reference</b>
	CT	168	28.0%	1.00	0.63-1.56		CT	8	50.0%	<b>3.46</b>	<b>1.25-9.50</b>
	TT	62	16.1%	0.53	0.25-1.07		TT	2	100.0%	<b>32.30</b>	<b>7.40-140.</b>
	Total	352			p=0.14		Total	347			<b>p&lt;0.001</b>
	CT/TT	230	24.8%	0.86	0.56-1.32		CT/TT	10	60.0%	<b>4.86</b>	<b>2.09-11.2</b>
<b>IL5</b> rs2069812 C-745T	CC	145	24.1%	1.00	reference	<b>IL5*</b> rs2069818 C-1551T	CC	198	22.2%	1.00	reference
	CT	149	27.5%	1.14	0.72-1.78		AC	2	50.0%	1.75	0.23-12.7
	TT	56	25.0%	1.23	0.65-2.30		AA	0	0.0%		
	Total	350			p=0.47		Total	200			p=0.58
	CT/TT	205	26.8%	1.16	0.75-1.77		AC/AA	2	50.0%	1.75	0.23-12.7
<b>IL6</b> rs1800795 G-174C	GG	142	31.7%	<b>1.00</b>	<b>reference</b>	<b>IL6</b> rs1800797 G-597A	GG	145	32.4%	<b>1.00</b>	<b>reference</b>
	CG	168	23.8%	<b>0.73</b>	<b>0.47-1.11</b>		AG	164	22.6%	<b>0.70</b>	<b>0.45-1.08</b>
	CC	50	18.0%	<b>0.50</b>	<b>0.24-1.02</b>		AA	48	18.8%	<b>0.53</b>	<b>0.26-1.09</b>
	Total	360			<b>p=0.033</b>		Total	357			<b>p=0.039</b>
	CG/CC	218	22.5%	<b>0.67</b>	<b>0.44-1.00</b>		AG/AA	212	21.7%	<b>0.66</b>	<b>0.43-0.99</b>
<b>IL7R*</b> rs1494555 V138I Ex4+33G→A	AA	93	21.5%	1.00	reference	<b>IL8</b> rs4073 A-351T aka -251	TT	92	25.0%	1.00	reference
	AG	96	27.1%	1.33	0.73-2.40		AT	168	25.6%	0.89	0.53-1.47
	GG	24	12.5%	0.53	0.15-1.79		AA	81	29.6%	1.23	0.68-2.20
	Total	213			p=0.75		Total	341			p=0.50
	AG/GG	120	24.2%	1.15	0.64-2.06		AT/AA	249	26.9%	0.98	0.61-1.58
<b>IL8</b> rs2227306 C+781T	CC	123	27.1%	1.00	reference	<b>IL8</b> rs2227307 G+396T	TT	96	27.6%	1.00	reference
	CT	157	26.2%	0.82	0.50-1.33		GT	172	25.5%	0.79	0.50-1.25
	TT	59	25.7%	0.96	0.52-1.77		GG	70	25.4%	0.94	0.50-1.74
	Total	339			p=0.81		Total	338			p=0.64
	CT/TT	216	26.0%	0.85	0.53-1.35		GT/GG	242	25.5%	0.83	0.53-1.27
<b>IL8RB</b> rs1126579 Ex3+1235T→C	CC	98	25.5%	1.00	reference	<b>IL8RB</b> rs1126580 3'UTR Ex3+1010G→A	AA	105	18.1%	<b>1.00</b>	<b>reference</b>
	CT	186	28.5%	1.10	0.68-1.77		AG	168	28.0%	<b>2.00</b>	<b>1.17-3.42</b>
	TT	60	16.7%	0.70	0.33-1.46		GG	61	32.8%	<b>2.56</b>	<b>1.35-4.83</b>
	Total	344			p=0.54		Total	334			<b>p=0.0022</b>
	CT/TT	246	25.6%	1.01	0.63-1.60		AG/GG	229	29.3%	<b>2.14</b>	<b>1.28-3.57</b>
<b>IL8RB*</b> rs2230054 L262L Ex3+811C→T	TT	48	20.8%	1.00	reference	<b>IL9*</b> rs1799962 -350A→G	AA	167	24.6%	1.00	reference
	CT	116	27.6%	1.47	0.72-3.00		AG	32	18.8%	0.79	0.33-1.87
	CC	49	14.3%	0.81	0.30-2.13		GG	1	0.0%	0.00	
	Total	213			p=0.80		Total	200			p=0.41
	CT/CC	165	23.6%	1.28	0.63-2.57		AG/GG	33	18.2%	0.74	0.31-1.73

<b>IL9R*</b> rs6522 E239Q	GG	202	23.3%	1.00	reference	<b>IL10</b> rs1800871 C-819T	CC	188	23.9%	1.00	reference
	CG	0	0.0%				CT	145	28.3%	1.18	0.77-1.80
	CC	0	0.0%				TT	21	28.6%	1.14	0.47-2.71
	Total	202			p=0.41		Total	354			p=0.50
	CG/CC	0	0.0%				CT/TT	166	28.3%	1.17	0.77-1.77
<b>IL10</b> rs1800872 C-592A	CC	187	22.5%	1.00	reference	<b>IL10</b> rs1800890 T-3575A	TT	135	23.7%	1.00	reference
	AC	144	28.5%	1.27	0.82-1.95		AT	170	27.1%	1.15	0.73-1.81
	AA	21	28.6%	1.23	0.51-2.94		AA	54	31.5%	1.17	0.64-2.14
	Total	352			p=0.32		Total	359			p=0.54
	AC/AA	165	28.5%	1.27	0.83-1.92		AT/AA	224	28.1%	1.16	0.75-1.77
<b>IL10</b> rs1800896 A-1082G	AA	104	20.2%	<b>1.00</b>	<b>reference</b>	<b>IL10RA</b> rs9610 3'UTR Ex7-109G→A	GG	99	33.3%	<b>1.00</b>	<b>reference</b>
	AG	186	26.3%	<b>1.38</b>	<b>0.82-2.30</b>		AG	167	21.0%	<b>0.45</b>	<b>0.27-0.73</b>
	GG	69	36.2%	<b>1.69</b>	<b>0.93-3.04</b>		AA	90	26.7%	<b>0.73</b>	<b>0.42-1.22</b>
	Total	359			<b>p=0.079</b>		Total	356			<b>p=0.17</b>
	AG/GG	255	29.0%	<b>1.47</b>	<b>0.90-2.38</b>		AG/AA	257	23.0%	<b>0.54</b>	<b>0.34-0.82</b>
<b>IL12A</b> rs568408 G8685A	GG	272	26.1%	1.00	reference	<b>IL12B</b> rs3212227 3'UTR Ex8+159A→C aka 1188	AA	199	27.1%	1.00	reference
	AG	77	27.3%	1.14	0.70-1.86		AC	129	24.0%	0.87	0.55-1.35
	AA	9	11.1%	0.51	0.07-3.70		CC	17	23.5%	0.85	0.30-2.34
	Total	358			p=0.94		Total	345			p=0.52
	AG/AA	86	25.6%	1.08	0.66-1.75		AC/CC	146	24.0%	0.86	0.56-1.32
<b>IL13</b> rs20541 Q144R Ex4+98A→G	GG	210	29.0%	1.00	reference	<b>IL13</b> rs1800925 C-1069T	CC	208	26.0%	1.00	reference
	AG	123	21.1%	0.70	0.43-1.10		CT	131	25.2%	0.96	0.62-1.49
	AA	13	23.1%	0.89	0.27-2.87		TT	18	22.2%	1.11	0.39-3.12
	Total	346			p=0.19		Total	357			p=0.99
	AG/AA	136	21.3%	0.71	0.45-1.10		CT/TT	149	24.8%	0.98	0.63-1.49
<b>IL15</b> rs10833 3'UTR Ex9-66T→C	CC	161	25.5%	1.00	reference	<b>IL15RA</b> rs2296135 3'UTR Ex8-361A→C	GG	95	29.5%	1.00	reference
	CT	137	27.0%	1.08	0.68-1.68		GT	179	22.3%	0.85	0.51-1.37
	TT	45	24.4%	0.88	0.45-1.72		TT	67	31.3%	1.23	0.69-2.17
	Total	343			p=0.87		Total	341			p=0.59
	CT/TT	182	26.4%	1.02	0.67-1.55		GT/TT	246	24.8%	0.95	0.60-1.48
<b>IL16</b> rs859 3'UTR Ex22+871A→G	AA	188	29.3%	1.00	reference	<b>IL16</b> rs11325 3'UTR Ex22+889G→T	GG	247	26.3%	1.00	reference
	AG	132	20.5%	0.77	0.48-1.23		GT	92	25.0%	1.15	0.71-1.86
	GG	26	26.9%	1.09	0.49-2.41		TT	9	22.2%	1.09	0.26-4.46
	Total	346			p=0.61		Total	348			p=0.60
	AG/GG	158	21.5%	0.82	0.53-1.27		GT/TT	101	24.8%	1.15	0.71-1.82
<b>JAK3*</b> rs3008 3'UTR Ex23+291A→G	CC	50	22.0%	1.00	reference	<b>JAK3*</b> rs3212713 IVS1+42A→G	GG	98	22.4%	1.00	reference
	CT	98	21.4%	0.69	0.31-1.47		AG	73	27.4%	1.32	0.71-2.43
	TT	67	26.9%	1.07	0.50-2.30		AA	25	16.0%	0.70	0.23-2.09
	Total	215			p=0.64		Total	196			p=0.94
	CT/TT	165	23.6%	0.84	0.41-1.68		AG/AA	98	24.5%	1.16	0.64-2.09
<b>LTA</b> rs909253 A252G	AA	143	22.4%	1.00	reference	<b>LTA</b> rs2239704 C-91A	CC	150	26.0%	1.00	reference
	AG	162	28.4%	1.23	0.78-1.93		AC	135	28.1%	1.11	0.70-1.73
	GG	58	29.3%	1.36	0.75-2.46		AA	50	22.0%	0.85	0.43-1.66
	Total	363			p=0.26		Total	335			p=0.84
	AG/GG	220	28.6%	1.26	0.82-1.93		AC/AA	185	26.5%	1.04	0.67-1.58
<b>MBL2*</b> rs7095891 -65T→C	CC	130	25.4%	1.00	reference	<b>MBL2*</b> rs11595876 Ex4+1509A→G	AA	167	24.0%	1.00	reference
	CT	56	16.1%	0.72	0.33-1.52		AG	28	21.4%	1.06	0.44-2.53
	TT	11	36.4%	1.33	0.46-3.77		GG	2	0.0%	0.00	
	Total	197			p=0.91		Total	197			p=0.75
	CT/TT	67	19.4%	0.85	0.44-1.61		AG/GG	30	20.0%	0.96	0.40-2.27
<b>MBL2*</b> rs10824792 Ex4-1067G→A	AA	75	24.0%	1.00	reference	<b>MBL2*</b> rs2083771 Ex4-539C→A	AA	118	21.2%	1.00	reference
	AG	83	19.3%	0.63	0.31-1.24		AC	66	27.3%	1.23	0.66-2.27
	GG	38	31.6%	1.47	0.70-3.06		CC	13	30.8%	1.74	0.60-5.03
	Total	196			p=0.55		Total	197			p=0.28
	AG/GG	121	23.1%	0.85	0.46-1.54		AC/CC	79	27.8%	1.30	0.73-2.32

<b>SELE*</b>	AA	176	22.2%	<b>1.00</b>	reference	<b>STAT1*</b>	CC	114	19.3%	1.00	reference
rs5361	AC	33	30.3%	<b>2.08</b>	<b>1.01-4.29</b>	rs2066804	CT	83	27.7%	1.55	0.85-2.80
S149R	CC	3	33.3%	<b>1.13</b>	<b>0.13-9.36</b>	IVS21-8C→T	TT	13	23.1%	1.27	0.36-4.37
Ex4+24A→C	Total	212			<b>p= 0.12</b>	(splice)	Total	210			p=0.25
	AC/CC	36	30.6%	<b>1.95</b>	<b>0.97-3.90</b>		CT/TT	96	27.1%	1.51	0.84-2.70
<b>TLR4</b>	AA	308	26.3%	1.00	reference	<b>TNF</b>	GG	241	23.7%	<b>1.00</b>	reference
rs4986790	AG	34	23.5%	0.74	0.35-1.54	rs1800629	AG	103	31.1%	<b>1.41</b>	<b>0.91-2.17</b>
D299G	GG	1	0.0%	0.00		G-308A	AA	16	31.3%	<b>1.61</b>	<b>0.64-4.03</b>
Ex4+636A→G	Total	343			p=0.34	promoter	Total	360			<b>p=0.088</b>
	AG/GG	35	22.9%	0.72	0.34-1.48		AG/AA	119	31.1%	<b>1.43</b>	<b>0.94-2.17</b>
<b>TNF</b>	GG	309	25.2%	1.00	reference	<b>TNF</b>	CC	291	27.8%	<b>1.00</b>	reference
rs361525	AG	36	30.6%	1.54	0.81-2.92	rs1799724	CT	55	14.5%	<b>0.52</b>	<b>0.24-1.06</b>
A-417G	AA	1	0.0%			-1036C→T	TT	3	33.3%	<b>1.65</b>	<b>0.22-12.1</b>
aka G-238A	Total	346			p=0.30	aka C-857T	Total	349			<b>p=0.15</b>
	AG/AA	37	29.7%	1.48	0.78-2.82		CT/TT	58	15.5%	<b>0.56</b>	<b>0.28-1.11</b>
<b>TNF</b>	CC	220	26.4%	1.00	reference	<b>TNFRSF10A*</b>	CC	199	22.6%	1.00	reference
rs1800630	AC	86	26.7%	1.04	0.63-1.69	rs20577	CT	0	0.0%		
-1042A→C	AA	21	19.0%	0.56	0.20-1.54	T33I	TT	0	0.0%		
aka C-863A	Total	327			p=0.45	Ex1+163C→T	Total	199			p=0.43
	AC/AA	107	25.2%	0.92	0.58-1.46		CT/TT	0	0.0%		
<b>VCAM1</b>	TT	236	27.1%	1.00	reference	<b>VCAM1</b>	AA	323	25.1%	<b>1.00</b>	reference
rs1041163	CT	98	21.4%	0.63	0.37-1.03	rs3176879	AG	22	36.4%	<b>2.11</b>	<b>1.00-4.43</b>
-1591T→C	CC	6	33.3%	0.83	0.19-3.44	K644K	GG	2	50.0%	<b>3.35</b>	<b>0.45-24.5</b>
	Total	340			p= 0.10	Ex9+149G→A	Total	347			<b>p=0.023</b>
	CT/CC	104	22.1%	0.64	0.39-1.04		AG/GG	24	37.5%	<b>2.20</b>	<b>1.08-4.45</b>

<sup>†</sup>HR adjusted for age, clinical and demographic factors.

<sup>‡</sup>N=365 for the 52 SNPs genotyped in blood or buccal samples, and N=215 for the 21 SNPs genotyped only in blood samples (blood-only SNPs are \*); totals less than these numbers are due to missing genotype (no call).