

Gene/SNP	Levels	N [‡]	% Dead	HR [†]	95% CI	Gene/SNP	Levels	N [‡]	% Dead	HR [†]	95% CI
CARD15*	CC	104	21.2%	1.00	reference	CARD15*	CC	179	21.2%	1.00	reference
rs2066842	CT	64	23.4%	1.34	0.69-2.60	rs2066844	CT	12	16.7%	0.86	0.20-3.61
P268S	TT	16	12.5%	0.86	0.19-3.77	R702W	TT	0	0.0%		
Ex4+156C→T	Total	184			p=0.67	Ex4-359C→T	Total	191			p=0.84
	CT/TT	80	21.3%	1.27	0.66-2.40		CT/TT	12	16.7%	0.86	0.20-3.61
CARD15	--	265	21.9%			CCR2	GG	215	20.5%	1.00	reference
rs2066847	+-	6	0.0%			rs1799864	AG	46	21.7%	1.20	0.60-2.40
Ex11-35→C	++	0	0.0%			V64I	AA	6	16.7%	0.52	0.07-3.83
	Total	271				Ex2+241G→A	Total	267			p=0.93
	+/-++	6	0.0%				AG/AA	52	21.2%	1.07	0.55-2.08
CCR5	++	218	22.5%	1.00	reference	CTLA4	AA	96	25.0%	1.00	reference
rs333	+-	44	11.4%	0.57	0.22-1.43	rs231775	AG	114	18.4%	0.58	0.31-1.04
Δ32	--	4	0.0%			T17A	GG	47	23.4%	0.96	0.46-1.98
	Total	266			p=0.16	Ex1-61A→G	Total	257			p=0.55
	+/---	48	10.4%	0.53	0.21-1.34		AG/GG	161	19.9%	0.67	0.39-1.15
CSF3*	GG	76	22.4%	1.00	reference	CX3CR1*	GG	96	22.9%	1.00	reference
rs25645	AG	79	20.3%	0.98	0.48-1.94	rs3732379	AG	77	19.5%	1.04	0.52-2.04
L185L	AA	28	21.4%	0.90	0.34-2.32	V249I	AA	14	14.3%	0.62	0.14-2.68
Ex4+96G→A	Total	183			p=0.84	Ex2+754G→A	Total	187			p=0.70
	AG/AA	107	20.6%	0.95	0.50-1.81		AG/AA	91	18.7%	0.96	0.49-1.84
CXCL12	GG	179	21.8%	1.00	reference	FCGR2A	GG	51	29.4%	1.00	reference
rs1801157	AG	83	20.5%	0.95	0.53-1.68	rs1801274	AG	137	20.4%	0.66	0.34-1.23
3'UTR	AA	10	20.0%	0.60	0.14-2.49	H165R	AA	83	15.7%	0.46	0.21-0.96
	Total	272			p=0.55	Ex4-120A→G	Total	271			p=0.04
	AG/AA	93	20.4%	0.89	0.51-1.55		AG/AA	220	18.6%	0.58	0.31-1.04
ICAM1	AA	262	19.5%	1.00	reference	IFNG	AA	143	21.0%	1.00	reference
rs5491	AT	5	40.0%	1.56	0.37-6.52	rs1861494	AG	96	21.9%	1.01	0.57-1.77
K56M	TT	1	100.0%	2.56	0.32-19.9	IVS3+284G→A	GG	21	23.8%	1.37	0.52-3.56
Ex2+100A→T	Total	268			p=0.29		Total	260			p=0.65
	AT/TT	6	50.0%	1.78	0.53-5.89		AG/GG	117	22.2%	1.06	0.62-1.80
IFNA1*	TT	148	20.9%	1.00	reference	IFNGR1*	AA	152	20.4%	1.00	reference
rs1758566	CT	31	25.8%	1.47	0.66-3.27	rs3799488	AG	36	22.2%	0.95	0.43-2.07
5'UTR	CC	2	0.0%	0.00	0 -	IVS6-4G→A	GG	3	33.3%	2.06	0.27-15.6
Ex1+51T→C	Total	181			p=0.53		Total	191			p=0.84
	CT/CC	33	24.2%	1.40	0.62-3.10		AG/GG	39	23.1%	1.01	0.48-2.13
IFNG	TT	120	18.3%	1.00	reference	IL1A	GG	131	21.4%	1.00	reference
rs2069705	CT	103	26.2%	1.22	0.68-2.15	rs17561	GT	111	20.7%	0.93	0.53-1.61
C-1615T	CC	36	16.7%	0.97	0.39-2.39	A114S	TT	27	22.2%	0.94	0.38-2.27
	Total	259			p=0.81	Ex5+21G→T	Total	269			p=0.81
	CT/CC	139	23.7%	1.16	0.67-2.00		GT/TT	138	21.0%	0.93	0.55-1.56
IFNGR2	AA	190	19.5%	1.00	reference	IL1B	CC	130	20.8%	1.00	reference
rs9808753	AG	75	25.3%	1.06	0.59-1.85	rs16944	CT	109	20.2%	1.12	0.62-1.99
Q64R	GG	7	14.3%	0.60	0.08-4.40	C-511T	TT	36	22.2%	0.89	0.40-1.96
Ex2-16A→G	Total	272			p=0.91		Total	275			p=0.92
	AG/GG	82	24.4%	1.02	0.58-1.77		CT/TT	145	20.7%	1.04	0.61-1.76
IL1A	CC	129	20.9%	1.00	reference						
rs1800587	CT	116	19.0%	0.87	0.49-1.52						
C-889T	TT	30	30.0%	1.22	0.57-2.60						
Ex1+12C→T	Total	275			p=0.84						
	CT/TT	146	21.2%	0.95	0.56-1.58						

IL1B rs1143627 C-31T	TT	130	20.8%	1.00	reference	IL1B rs1143634 C3954T F105F	CC	160	22.5%	1.00	reference
	CT	106	20.8%	1.17	0.65-2.07		CT	98	18.4%	0.86	0.48-1.53
	CC	38	23.7%	0.93	0.43-1.98		TT	16	25.0%	0.93	0.32-2.61
	Total	274			p=0.99		Total	274			p=0.68
	CT/CC	144	21.5%	1.08	0.64-1.82		CT/TT	114	19.3%	0.87	0.50-1.49
IL1RN rs454078 IVS6+59A→T aka A9589	AA	151	26.5%	1.00	reference	IL2 rs2069762 -384 T→G	TT	141	19.1%	1.00	reference
	AT	111	14.4%	0.48	0.26-0.86		GT	113	23.0%	1.68	0.96-2.92
	TT	12	16.7%	0.70	0.16-2.90		GG	17	29.4%	3.02	1.13-8.02
	Total	274			p=0.03		Total	271			p=0.01
	AT/TT	123	14.6%	0.50	0.28-0.87		GT/GG	130	23.8%	1.81	1.06-3.07
IL3* rs40401 Ex1-84C→T P27S	CC	118	24.6%	1.00	reference	IL4 rs2070874 5'UTR Ex1-168C→T	CC	192	24.0%	1.00	reference
	CT	61	16.4%	0.71	0.34-1.46		CT	68	13.2%	0.53	0.25-1.09
	TT	7	0.0%				TT	11	27.3%	1.01	0.31-3.28
	Total	186			p=0.13		Total	271			p=0.25
	CT/TT	68	14.7%	0.63	0.30-1.29		CT/TT	79	15.2%	0.60	0.31-1.14
IL4 rs2243248 T-1098G	TT	232	20.3%	1.00	reference	IL4 rs2243250 C-524T	CC	186	23.7%	1.00	reference
	GT	37	29.7%	1.57	0.79-3.11		CT	68	13.2%	0.53	0.25-1.09
	GG	5	0.0%	0.00	0 -		TT	16	31.3%	1.07	0.41-2.77
	Total	274			p=0.89		Total	270			p=0.38
	GT/GG	42	26.2%	1.28	0.65-2.51		CT/TT	84	16.7%	0.64	0.34-1.18
IL4R rs2107356 C-29429T	CC	104	23.1%	1.00	reference	IL5 rs2069807 C-1551T	CC	261	19.5%	1.00	reference
	CT	125	22.4%	0.99	0.57-1.72		CT	2	50.0%	2.02	0.27-14.9
	TT	41	9.8%	0.41	0.14-1.18		TT	1	100.0%	3.45	0.44-26.8
	Total	270			p=0.17		Total	264			p=0.18
	CT/TT	166	19.3%	0.84	0.49-1.44		CT/TT			2.54	0.59-10.8
IL5 rs2069812 C-745T	CC	124	24.2%	1.00	reference	IL5* rs2069818 C-1551T	CC	181	19.9%	1.00	reference
	CT	112	15.2%	0.67	0.36-1.23		AC	3	100.0%	5.58	1.66-18.6
	TT	33	24.2%	0.90	0.40-1.96		AA	0	0.0%		
	Total	269			p=0.46		Total	184			p=0.005
	CT/TT	145	17.2%	0.73	0.42-1.25		AC/AA	3	100.0%	5.58	1.66-18.6
IL6 rs1800795 G-174C	GG	119	21.8%	1.00	reference	IL6 rs1800797 G-597A	GG	119	21.8%	1.00	reference
	CG	109	22.0%	1.20	0.68-2.10		AG	110	21.8%	1.20	0.68-2.10
	CC	47	17.0%	0.79	0.35-1.74		AA	41	17.1%	0.79	0.34-1.83
	Total	275			p=0.77		Total	270			p=0.83
	CG/CC	156	20.5%	1.06	0.62-1.77		AG/AA	151	20.5%	1.07	0.63-1.81
IL7R* rs1494555 V138I Ex4+33G→A	AA	98	24.5%	1.00	reference	IL8 rs4073 A-351T aka -251	TT	68	33.8%	1.00	reference
	AG	73	19.2%	0.76	0.39-1.47		AT	133	14.3%	0.41	0.22-0.76
	GG	19	10.5%	0.58	0.13-2.47		AA	60	23.3%	0.57	0.28-1.10
	Total	190			p=0.31		Total	261			p=0.06
	AG/GG	92	17.4%	0.73	0.38-1.38		AT/AA	193	17.1%	0.47	0.27-0.79
IL8 rs2227306 C+781T	CC	91	31.9%	1.00	reference	IL8 rs2227307 G+396T	TT	73	31.5%	1.00	reference
	CT	124	14.5%	0.47	0.25-0.84		GT	133	15.0%	0.49	0.26-0.88
	TT	43	20.9%	0.64	0.30-1.36		GG	55	23.6%	0.62	0.31-1.23
	Total	258			p=0.07		Total	261			p=0.11
	CT/TT	167	16.2%	0.52	0.30-0.87		GT/GG	188	17.6%	0.53	0.31-0.91
IL8RB rs1126579 Ex3+1235T→C	CC	74	27.0%	1.00	reference	IL8RB rs1126580 3'UTR Ex3+1010G→A	AA	89	28.1%	1.00	reference
	CT	138	13.0%	0.34	0.17-0.64		AG	129	15.5%	0.50	0.27-0.90
	TT	53	28.3%	0.80	0.40-1.57		GG	45	17.8%	0.59	0.26-1.31
	Total	265			p=0.40		Total	263			p=0.07
	CT/TT	191	17.3%	0.46	0.25-0.80		AG/GG	174	16.1%	0.52	0.29-0.90
IL8RB* rs2230054 L262L Ex3+811C→T	TT	44	27.3%	1.00	reference	IL9* rs1799962 -350A→G	AA	162	20.4%	1.00	reference
	CT	101	13.9%	0.37	0.16-0.81		AG	18	27.8%	1.55	0.59-4.03
	CC	45	31.1%	0.91	0.41-2.00		GG	0	0.0%		-
	Total	190			p=0.96		Total	180			p=0.37
	CT/CC	146	19.2%	0.52	0.25-1.05		AG/GG	18	27.8%	1.55	0.59-4.03

IL9R* rs6522 E239Q	GG	184	21.2%			IL10 rs1800871 C-819T	CC	156	24.4%	1.00	reference
	CG	0	0.0%				CT	99	14.1%	0.57	0.31-1.06
	CC	0	0.0%				TT	18	27.8%	0.91	0.35-2.36
	Total	184					Total	273			p=0.24
	CG/CC	0	0.0%				CT/TT	117	16.2%	0.64	0.36-1.10
IL10 rs1800872 C-592A	CC	154	24.0%	1.00	reference	IL10 rs1800890 T-3575A	TT	103	23.3%	1.00	reference
	AC	100	15.0%	0.62	0.33-1.12		AT	128	21.1%	0.96	0.55-1.66
	AA	18	27.8%	0.90	0.34-2.33		AA	43	16.3%	0.63	0.26-1.45
	Total	272			p=0.28		Total	274			p=0.34
	AC/AA	118	16.9%	0.67	0.38-1.15		AT/AA	171	19.9%	0.86	0.51-1.46
IL10 rs1800896 A-1082G	AA	82	20.7%	1.00	reference	IL10RA rs9610 3'UTR Ex7-109G→A	GG	81	24.7%	1.00	reference
	AG	126	21.4%	1.12	0.60-2.07		AG	145	19.3%	0.87	0.48-1.54
	GG	65	21.5%	0.93	0.45-1.90		AA	48	20.8%	0.90	0.42-1.93
	Total	273			p=0.87		Total	274			p=0.73
	AG/GG	191	21.5%	1.05	0.59-1.86		AG/AA	193	19.7%	0.88	0.50-1.51
IL12A rs568408 G8685A	GG	204	21.1%	1.00	reference	IL12B rs3212227 3'UTR Ex8+159A→C aka 1188	AA	158	16.5%	1.00	reference
	AG	63	23.8%	1.24	0.68-2.24		AC	91	23.1%	1.68	0.93-2.99
	AA	6	0.0%				CC	20	45.0%	3.95	1.79-8.68
	Total	273			p=0.90		Total	269			p=0.0009
	AG/AA	69	21.7%	1.15	0.63-2.08		AC/CC	111	27.0%	2.01	1.18-3.42
IL13 rs20541 Q144R Ex4+98A→G	GG	179	16.2%	1.00	reference	IL13 rs1800925 C-1069T	CC	182	18.1%	1.00	reference
	AG	80	27.5%	1.90	1.08-3.31		CT	74	23.0%	1.37	0.75-2.48
	AA	7	14.3%	0.61	0.08-4.54		TT	19	42.1%	2.62	1.17-5.83
	Total	266			p=0.16		Total	275			p=0.03
	AG/AA	87	26.4%	1.74	1.00-3.03		CT/TT	93	26.9%	1.60	0.93-2.72
IL15 rs10833 3'UTR Ex9-66T→C	CC	120	17.5%	1.00	reference	IL15RA rs2296135 3'UTR Ex8-361A→C	GG	86	17.4%	1.00	reference
	CT	106	24.5%	1.46	0.82-2.60		GT	127	25.2%	1.47	0.79-2.72
	TT	34	23.5%	1.48	0.65-3.34		TT	46	19.6%	1.69	0.72-3.95
	Total	260			p=0.21		Total	259			p=0.17
	CT/TT	140	24.3%	1.47	0.84-2.52		GT/TT	173	23.7%	1.51	0.83-2.73
IL16 rs859 3'UTR Ex22+871A→G	AA	143	21.7%	1.00	reference	IL16 rs11325 3'UTR Ex22+889G→T	GG	183	16.9%	1.00	reference
	AG	98	19.4%	1.02	0.57-1.82		GT	83	30.1%	1.62	0.95-2.74
	GG	25	16.0%	0.78	0.27-2.21		TT	6	33.3%	1.80	0.41-7.70
	Total	266			p=0.76		Total	272			p=0.07
	AG/GG	123	18.7%	0.97	0.56-1.67		GT/TT	89	30.3%	1.63	0.96-2.73
JAK3* rs3008 3'UTR Ex23+291A→G	CC	44	20.5%	1.00	reference	JAK3* rs3212713 IVS1+42A→G	GG	87	24.1%	1.00	reference
	CT	100	22.0%	1.00	0.45-2.18		AG	70	21.4%	1.15	0.57-2.26
	TT	47	19.1%	0.86	0.33-2.18		AA	26	11.5%	0.44	0.13-1.49
	Total	191			p=0.74		Total	183			p=0.34
	CT/TT	147	21.1%	0.96	0.45-2.02		AG/AA	96	18.8%	0.90	0.47-1.69
LTA rs909253 A252G	AA	122	23.8%	1.00	reference	LTA rs2239704 C-91A	CC	94	20.2%	1.00	reference
	AG	117	20.5%	0.87	0.50-1.50		AC	118	22.9%	1.22	0.67-2.20
	GG	36	13.9%	0.49	0.18-1.27		AA	33	27.3%	1.18	0.51-2.67
	Total	275			p=0.16		Total	245			p=0.60
	AG/GG	153	19.0%	0.77	0.45-1.29		AC/AA	151	23.8%	1.21	0.68-2.12
MBL2* rs7095891 -65T→C	CC	107	22.4%	1.00	reference	MBL2* rs11595876 Ex4+1509A→G	AA	158	21.5%	1.00	reference
	CT	64	18.8%	0.82	0.40-1.65		AG	26	19.2%	1.04	0.40-2.67
	TT	10	20.0%	0.61	0.13-2.63		GG	0			
	Total	181			p=0.42		Total	184			p=0.94
	CT/TT	74	18.9%	0.79	0.40-1.53		AG/GG	26	19.2%	1.04	0.40-2.67
MBL2* rs10824792 Ex4-1067G→A	AA	63	25.4%	1.00	reference	MBL2* rs2083771 Ex4-539C→A	AA	106	24.5%	1.00	reference
	AG	83	20.5%	0.92	0.45-1.83		AC	71	18.3%	0.81	0.41-1.57
	GG	33	15.2%	0.54	0.19-1.49		CC	7	0.0%		
	Total	179			p=0.27		Total	184			p=0.20
	AG/GG	116	19.0%	0.79	0.40-1.52		AC/CC	78	16.7%	0.72	0.36-1.41

SELE*	AA	149	22.1%	1.00	reference	STAT1*	CC	102	23.5%	1.00	reference
rs5361	AC	37	16.2%	0.58	0.23-1.38	rs2066804	CT	74	17.6%	0.66	0.33-1.30
S149R	CC	1	100.0%	15.4	1.73-137.	IVS21-8C→T	TT	10	20.0%	1.22	0.27-5.43
Ex4+24A→C	Total	187			p=0.56	(splice)	Total	186			p=0.44
	AC/CC	38	18.4%	0.67	0.29-1.53		CT/TT	84	17.9%	0.71	0.36-1.35
TLR4	AA	234	19.2%	1.00	reference	TNF	GG	199	21.1%	1.00	reference
rs4986790	AG	30	33.3%	1.65	0.82-3.30	rs1800629	AG	69	23.2%	1.10	0.61-1.95
D299G	GG	3	0.0%			G-308A	AA	7	0.0%		
Ex4+636A→G	Total	267			p=0.48	promoter	Total	275			p=0.66
	AG/GG	33	30.3%	1.49	0.73-3.00		AG/AA	76	21.1%	0.99	0.55-1.77
TNF	GG	235	18.7%	1.00	reference	TNF	CC	231	21.6%	1.00	reference
rs361525	AG	28	32.1%	2.03	0.97-4.20	rs1799724	CT	37	16.2%	0.55	0.23-1.30
A-417G	AA	2	0.0%			-1036C→T	TT	3	0.0%		
aka G-238A	Total	265			p=0.15	aka C-857T	Total	271			p=0.09
	AG/AA	30	30.0%	1.90	0.91-3.94		CT/TT	40	15.0%	0.50	0.21-1.18
TNF	CC	173	22.0%	1.00	reference	TNFRSF10A*	CC	184	21.2%	1.00	reference
rs1800630	AC	65	20.0%	1.18	0.62-2.23	rs20577	CT	4	25.0%	0.77	0.10-5.86
-1042A→C	AA	14	21.4%	1.12	0.33-3.71	T33I	TT	0	0.0%		
aka C-863A	Total	252			p=0.66	Ex1+163C→T	Total	188			p=0.80
	AC/AA	79	20.3%	1.17	0.64-2.12		CT/TT	4	25.0%	0.77	0.10-5.86
VCAM1	TT	180	20.6%	1.00	reference	VCAM1	AA	245	19.6%	1.00	reference
rs1041163	CT	83	21.7%	0.90	0.51-1.58	rs3176879	AG	17	23.5%	1.14	0.40-3.20
-1591T→C	CC	5	0.0%			K644K	GG	4	25.0%	1.13	0.15-8.27
	Total	268			p=0.35	Ex9+149G→A	Total	266			p=0.79
	CT/CC	88	20.5%	0.83	0.47-1.46		AG/GG	21	23.8%	1.14	0.45-2.87

[†]HR adjusted for clinical and demographic factors.

[‡]Does not sum to 278 due to missing genotype. For genes with *, only blood-based genotyping was conducted, and these genes were not eligible for multi-SNP models (N=21)