

## Supporting Online Material

Arruda-Olson AM, Roger VL, Chai HS, de Andrade M, Fridley BL, Cunningham JM, Gabriel SE, Bielinski SJ. Association of *TNFSF8* polymorphisms with peripheral neutrophil count. *Mayo Clin Proc.* 2011;86(11):1075-1081.

**TABLE S1.** Candidate Genes

**TABLE S2.** Association Between Inflammation Genotype and Neutrophil Count

This supplementary material has been peer reviewed and approved by the authors.

TABLE S1. **Candidate Genes**

Gene symbol	Gene name	Location	NCBI ID
<b>Tumor necrosis factor family</b>			
<i>TNF</i>	tumor necrosis factor	6p21.3	7124
<i>LTA</i>	lymphotoxin alpha (TNF superfamily, member 1)	6p21.3	4049
<i>LTB</i>	lymphotoxin beta (TNF superfamily, member 3)	6p21.3	4050
<i>TNFSF4</i>	tumor necrosis factor (ligand) superfamily, member 4	1q25	7292
<i>CD40LG</i>	CD40 ligand	Xq26	959
<i>FASLG</i>	Fas ligand (TNF superfamily, member 6)	1q23	356
<i>CD70</i>	CD70 molecule	19p13	970
<i>TNFSF8</i>	tumor necrosis factor (ligand) superfamily, member 8	9q33	944
<i>TNFSF9</i>	tumor necrosis factor (ligand) superfamily, member 9	19p13.3	8744
<i>TNFSF10</i>	tumor necrosis factor superfamily, member 10	3q26	8743
<i>TNFSF11</i>	tumor necrosis factor (ligand) superfamily, member 11	13q14	8600
<i>TNFSF12</i>	tumor necrosis factor (ligand) superfamily, member 12	17p13	8742
<i>TNFSF13</i>	tumor necrosis factor (ligand) superfamily, member 13	17p13.1	8741
<i>TNFSF13B</i>	tumor necrosis factor (ligand) superfamily, member 13b	13q32-34	10673
<i>TNFSF14</i>	tumor necrosis factor (ligand) superfamily, member 14	19p13.3	8740
<i>TNFSF15</i>	VEG1; tumor necrosis factor (ligand) superfamily, member 15	9q32	9966
<i>TNFSF18</i>	tumor necrosis factor (ligand) superfamily, member 18	1q23	8995
<i>EDA</i>	ectodysplasin-A	Xq12-q13.1	1896
<b>Interleukin-1 family</b>			
<i>IL1A</i>	interleukin 1, alpha	2q14	3552
<i>IL1B</i>	interleukin 1, beta	2q14	3553
<i>IL1RN</i>	interleukin 1 receptor antagonist	2q14.2	3557
<i>IL18</i>	interleukin 18 (interferon-gamma-inducing factor)	11q22.2-q22.3	3606
<i>IL1F5</i>	interleukin 1 family, member 5 (delta)	2q14	26525
<i>IL1F6</i>	interleukin 1 family, member 6 (epsilon)	2q12-q14.1	27179
<i>IL1F7</i>	interleukin 1 family, member 7 (zeta)	2q12-q14.1	27178
<i>IL1F8</i>	interleukin 1 family, member 8 (eta)	2q12-q14.1	27177
<i>IL1F9</i>	interleukin 1 family, member 9	2q12-q21	56300
<i>IL1F10</i>	interleukin 1 family, member 10 (theta)	2q13	84639
<b>Interleukin-6 family</b>			
<i>IL6</i>	interleukin 6 (interferon, beta 2)	7p21	3569
<i>IL11</i>	(natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)	19q13.3-q13.4	3589
<i>IL12A</i>	interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)	3p12-q13.2	3592
<i>IL12B</i>	interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)	5q31.1-q33.1	3593
<i>IL23A</i>	interleukin 23, alpha subunit p19	12q13.2	51561
<i>OSM</i>	oncostatin M	22q12.2	5008
<i>LIF</i>	leukemia inhibitory factor (cholinergic differentiation factor)	22q12.2	3976
<i>CNTF</i>	ciliary neurotrophic factor	11q12.2	1270
<i>CLCF1</i>	cardiotrophin-like cytokine factor 1	11q13.3	23529
<i>CTF1</i>	cardiotrophin 1	16p11.2-p11.1	1489
<i>CSF3</i>	colony stimulating factor 3 (granulocyte)	17q11.2-q12	1440
<i>LEP</i>	leptin	7q31.3	3952

NCBI ID = National Center for Biotechnology Information identification number.

TABLE S2. Association Between Inflammation Genotype and Neutrophil Count

gene name, <sup>a</sup> SNP	Mean $\pm$ SD neutrophil count, $\times 10^9/L$ (No. of samples)				P value	P value (multivariate) <sup>b</sup>
	0	1	2	Male.X.minor.allele		
<b>TNF FAMILY</b>						
<b>TNF; LTA; LTB</b>						
rs3093662 (AA, AG, GG)	8.313 $\pm$ 5.776 (730)	7.595 $\pm$ 4.245 (93)	6.657 $\pm$ 3.402 (6)	-	0.138	0.102
rs1799964 (AA, AG, GG)	8.168 $\pm$ 4.906 (505)	8.048 $\pm$ 5.914 (287)	10.29 $\pm$ 10.26 (37)	-	0.1088	0.07038
rs1800630 (CC, CA, AA)	8.07 $\pm$ 4.779 (570)	8.354 $\pm$ 6.412 (239)	10.93 $\pm$ 12.87 (20)	-	0.3346	0.1213
rs2229094 (AA, AG, GG)	8.199 $\pm$ 4.901 (440)	7.954 $\pm$ 5.819 (331)	9.906 $\pm$ 8.568 (58)	-	0.01131	0.01271
rs2844482 (G:A) (GG, GA, AA)	8.07 $\pm$ 4.776 (569)	8.352 $\pm$ 6.412 (240)	10.93 $\pm$ 12.87 (20)	-	0.3416	0.1253
rs909253 (AA, AG, GG)	8.506 $\pm$ 5.916 (340)	8.073 $\pm$ 5.639 (392)	7.818 $\pm$ 4.261 (97)	-	0.3021	0.09057
rs915654 (TT, TA, AA)	8.292 $\pm$ 5.085 (344)	8.209 $\pm$ 5.765 (384)	8.024 $\pm$ 6.697 (101)	-	0.3973	0.4905
rs2844484 (GG, GA, AA)	8.091 $\pm$ 6.502 (315)	8.353 $\pm$ 4.807 (403)	8.112 $\pm$ 5.653 (111)	-	0.1017	0.1088
<b>TNF; LTB</b>						
rs9267502 (GG, GA, AA)	8.307 $\pm$ 5.812 (715)	7.739 $\pm$ 4.177 (108)	6.657 $\pm$ 3.402 (6)	-	0.2745	0.1765
<b>TNFSF4</b>						
rs10127728 (CC, CA, AA)	8.156 $\pm$ 5.136 (644)	8.529 $\pm$ 7.202 (175)	7.004 $\pm$ 2.74 (10)	-	0.6887	0.5573
rs10489270 (GG, GA, AA)	8.233 $\pm$ 5.78 (628)	8.181 $\pm$ 5.117 (195)	8.218 $\pm$ 3.625 (6)	-	0.6269	0.469
rs10912560 (AA, AG, GG)	8.373 $\pm$ 5.931 (477)	7.994 $\pm$ 4.967 (297)	8.125 $\pm$ 6.113 (55)	-	0.2991	0.2804
rs11811788 (GG, GC, CC)	8.274 $\pm$ 5.051 (448)	8.194 $\pm$ 6.282 (322)	7.962 $\pm$ 5.889 (59)	-	0.2468	0.274
rs11811856 (CC, CG, GG)	8.324 $\pm$ 5.152 (424)	8.11 $\pm$ 6.07 (335)	8.126 $\pm$ 6.075 (70)	-	0.2695	0.2919
rs1234313 (GG, GA, AA)	8.387 $\pm$ 5.922 (374)	7.91 $\pm$ 5.296 (367)	8.819 $\pm$ 5.567 (87)	-	0.07961	0.154
rs1234314 (CC, CG, GG)	8.033 $\pm$ 4.856 (283)	8.164 $\pm$ 6.32 (394)	8.718 $\pm$ 4.949 (152)	-	0.04941	0.04029
rs1234315 (GG, GA, AA)	8.235 $\pm$ 5.102 (239)	7.968 $\pm$ 5.339 (406)	8.761 $\pm$ 6.723 (184)	-	0.08321	0.04991
rs17300347 (TT, TA, AA)	8.382 $\pm$ 5.849 (525)	7.92 $\pm$ 4.971 (268)	8.102 $\pm$ 6.61 (36)	-	0.1868	0.1458
rs3850641 (AA, AG, GG)	8.097 $\pm$ 5.725 (561)	8.424 $\pm$ 5.307 (244)	9.059 $\pm$ 6.1 (24)	-	0.1131	0.08862
rs3861950 (AA, AG, GG)	8.29 $\pm$ 5.144 (382)	8.201 $\pm$ 6.071 (353)	8.016 $\pm$ 5.708 (94)	-	0.2892	0.2785
rs3861953 (GG, GA, AA)	8.126 $\pm$ 5.627 (685)	8.608 $\pm$ 5.46 (136)	9.77 $\pm$ 7.211 (8)	-	0.1297	0.07583
rs6661173 (GG, GA, AA)	8.169 $\pm$ 5.136 (703)	8.564 $\pm$ 7.942 (120)	7.38 $\pm$ 3.133 (6)	-	0.9051	0.6576
<b>CD40LG</b>						
rs3092933 (GG, GA, AA)	8.257 $\pm$ 5.752 (738)	8.887 $\pm$ 4.616 (59)	-6.178 $\pm$ 3.21 (31)	-	0.006477	0.03093
rs3092936 (AA, AG, GG)	8.255 $\pm$ 5.775 (695)	7.716 $\pm$ 3.88 (72)	12.36 $\pm$ 12.93 (5)	8.082 $\pm$ 4.441 (57)	0.2703	0.09083
rs3092923 (AA, AG, GG)	8.251 $\pm$ 5.76 (735)	8.748 $\pm$ 4.601 (60)	-6.637 $\pm$ 3.426 (34)	-	0.03169	0.1221
rs3092946 (TT, TA, AA)	8.26 $\pm$ 5.763 (686)	7.908 $\pm$ 4.293 (76)	12.36 $\pm$ 12.93 (5)	7.838 $\pm$ 4.404 (62)	0.2034	0.1496
rs3092948 (GG, GC, CC)	8.363 $\pm$ 5.979 (604)	7.77 $\pm$ 3.809 (117)	11.35 $\pm$ 8.55 (15)	7.361 $\pm$ 4.144 (93)	0.009163	0.05109
rs3092949 (GG, GA, AA)	8.127 $\pm$ 5.529 (485)	8.574 $\pm$ 6.129 (172)	8.795 $\pm$ 6.991 (49)	7.869 $\pm$ 4.499 (123)	0.1402	0.3723
rs3092952 (AA, AG, GG)	8.346 $\pm$ 5.97 (603)	7.858 $\pm$ 3.911 (118)	11.35 $\pm$ 8.55 (15)	7.361 $\pm$ 4.144 (93)	0.00939	0.06276
rs5930973 (GG, GA, AA)	8.258 $\pm$ 5.745 (748)	7.915 $\pm$ 4.253 (56)	-7.781 $\pm$ 4.225 (25)	-	0.7603	0.4571
<b>FASLG</b>						
rs10458360 (CC, CG, GG)	8.259 $\pm$ 6.369 (250)	8.263 $\pm$ 5.199 (430)	8.034 $\pm$ 5.446 (149)	-	0.1987	0.1725
rs12135884 (AA, AG, GG)	8.111 $\pm$ 5.897 (383)	8.399 $\pm$ 5.172 (378)	7.85 $\pm$ 6.346 (68)	-	0.03282	0.03693
rs17370527 (TT, TA, AA)	8.277 $\pm$ 5.831 (631)	8.136 $\pm$ 4.95 (183)	6.903 $\pm$ 3.575 (15)	-	0.3415	0.332
rs2639614 (GG, GA, AA)	8.5 $\pm$ 6.091 (594)	7.447 $\pm$ 3.599 (208)	8.027 $\pm$ 6.9 (27)	-	0.02091	0.02462
rs2639654 (CC, CA, AA)	8.21 $\pm$ 5.286 (672)	8.191 $\pm$ 6.601 (151)	10.17 $\pm$ 12.53 (6)	-	0.7045	0.4177
rs2859242 (GG, GA, AA)	8.416 $\pm$ 5.818 (250)	8.202 $\pm$ 4.961 (411)	7.978 $\pm$ 6.725 (168)	-	0.2807	0.3942
rs5030772 (AA, AG, GG)	8.193 $\pm$ 5.473 (597)	8.208 $\pm$ 5.803 (214)	9.293 $\pm$ 7.828 (18)	-	0.5862	0.4126
rs6700734 (AA, AG, GG)	8.191 $\pm$ 5.729 (450)	8.412 $\pm$ 5.45 (334)	7.104 $\pm$ 5.626 (45)	-	0.008741	0.006107
rs859663 (CC, CA, AA)	8.21 $\pm$ 5.286 (672)	8.191 $\pm$ 6.601 (151)	10.17 $\pm$ 12.53 (6)	-	0.7045	0.4177
rs929087 (GG, GA, AA)	7.99 $\pm$ 5.246 (234)	8.449 $\pm$ 6.096 (426)	7.966 $\pm$ 4.78 (169)	-	0.0858	0.05259
<b>CD70</b>						
rs168259 (GG, GA, AA)	8.306 $\pm$ 5.921 (645)	7.919 $\pm$ 4.404 (171)	7.843 $\pm$ 4.197 (12)	-	0.9126	0.81
rs344591 (GG, GA, AA)	7.54 $\pm$ 4.603 (238)	8.545 $\pm$ 6.468 (417)	8.374 $\pm$ 4.505 (174)	-	0.01737	0.03538
rs344595 (AA, AG, GG)	8.295 $\pm$ 5.535 (653)	8.053 $\pm$ 6.004 (167)	5.957 $\pm$ 3.087 (9)	-	0.03301	0.01827
rs344596 (AA, AG, GG)	8.252 $\pm$ 5.774 (709)	7.996 $\pm$ 4.551 (114)	8.797 $\pm$ 5.284 (6)	-	0.7619	0.3941
rs2910434 (AA, AC, CC)	8.178 $\pm$ 5.432 (652)	8.44 $\pm$ 6.241 (165)	7.532 $\pm$ 6.584 (12)	-	0.1962	0.1778
rs16994592 (AA, AG, GG)	8.224 $\pm$ 5.472 (670)	8.208 $\pm$ 6.13 (150)	8.224 $\pm$ 7.567 (9)	-	0.2806	0.2062
rs17703895 (CC, CA, AA)	8.172 $\pm$ 5.209 (408)	8.509 $\pm$ 6.278 (357)	6.924 $\pm$ 3.73 (64)	-	0.02161	0.05807
rs1808398 (AA, AG, GG)	8.3 $\pm$ 5.576 (448)	8.224 $\pm$ 5.846 (325)	7.568 $\pm$ 4.457 (56)	-	0.2589	0.3373
rs344586 (CC, CG, GG)	8.282 $\pm$ 5.515 (518)	8.202 $\pm$ 5.892 (276)	7.47 $\pm$ 4.845 (35)	-	0.1399	0.1882
rs344589 (AA, AG, GG)	8.221 $\pm$ 5.796 (612)	8.188 $\pm$ 5.143 (200)	8.588 $\pm$ 4.314 (17)	-	0.5156	0.2885
<b>TNFSF9</b>						
rs348389 (GG, GA, AA)	8.166 $\pm$ 4.68 (338)	8.428 $\pm$ 6.482 (379)	7.712 $\pm$ 5.046 (108)	-	0.05847	0.07534
rs348390 (AA, AG, GG)	8.244 $\pm$ 5.838 (695)	8.032 $\pm$ 4.325 (128)	9.602 $\pm$ 3.076 (6)	-	0.2221	0.3043

**TNFSF10**

rs11706116 (AA, AC, CC)	8.182±5.192 (494)	8.389±6.576 (286)	7.635±3.05 (49)	-	0.5969	0.6743
rs1823227 (AA, AC, CC)	7.994±4.778 (456)	8.612±6.814 (313)	7.905±4.393 (60)	-	0.3357	0.3564
rs2270418 (AA, AC, CC)	8.231±4.912 (549)	8.132±6.989 (247)	8.715±5.134 (33)	-	0.1567	0.224
rs231983 (AA, AC, CC)	8.434±5.279 (313)	8.149±6.08 (366)	7.952±5.1 (150)	-	0.1114	0.04914
rs231985 (TT, TA, AA)	8.243±5.927 (621)	8.184±4.64 (196)	7.477±3.661 (7)	-	0.4926	0.342
rs231987 (CC, CG, GG)	8.238±5.917 (624)	8.192±4.613 (198)	7.477±3.661 (7)	-	0.4482	0.3174
rs233998 (GG, GA, AA)	8.429±6.096 (547)	7.866±4.583 (246)	7.482±4.059 (36)	-	0.1469	0.02219
rs3136581 (GG, GA, AA)	8.165±5.814 (521)	8.304±5.222 (268)	8.392±5.61 (40)	-	0.5057	0.3152
rs3136594 (GG, GA, AA)	8.26±5.284 (452)	8.32±6.424 (314)	7.447±2.953 (63)	-	0.8089	0.7808
rs3136609 (GG, GA, AA)	8.2±5.729 (719)	8.364±4.881 (106)	8.2±2.718 (4)	-	0.3761	0.2357
rs3181139 (CC, CA, AA)	8.344±5.731 (495)	8.041±5.572 (287)	8.019±4.583 (47)	-	0.1772	0.438
rs3774315 (AA, AG, GG)	8.238±5.221 (453)	8.324±6.433 (308)	7.641±3.94 (68)	-	0.8215	0.7961
rs4894559 (GG, GA, AA)	8.339±5.517 (479)	8.15±5.965 (290)	7.615±4.565 (60)	-	0.1867	0.0326
rs6783667 (AA, AG, GG)	8.379±6.383 (408)	8.168±4.89 (332)	7.694±4.206 (89)	-	0.4639	0.1837
rs9854603 (AA, AG, GG)	8.274±6.026 (581)	8.035±4.241 (222)	8.617±6.455 (26)	-	0.6221	0.6743
rs9859259 (CC, CA, AA)	7.74±3.653 (246)	8.517±6.641 (401)	8.192±5.304 (181)	-	0.8593	0.4108
rs9859413 (GG, GA, AA)	7.94±4.887 (506)	8.547±6.382 (271)	9.183±7.612 (51)	-	0.1758	0.1185

**TNFSF11**

rs12585229 (GG, GA, AA)	8.215±5.666 (672)	8.138±5.021 (148)	10.02±10.07 (9)	-	0.4402	0.3821
rs1325793 (GG, GA, AA)	8.177±5.728 (742)	8.594±4.53 (87)	-	-	0.1742	0.1636
rs17536328 (GG, GA, AA)	8.479±6.405 (281)	7.945±5.247 (390)	8.467±4.95 (157)	-	0.08903	0.1126
rs17596972 (GG, GA, AA)	8.262±5.701 (660)	7.94±4.915 (159)	9.994±9.492 (10)	-	0.1578	0.1168
rs2148072 (GG, GA, AA)	8.135±5.033 (315)	8.066±6.055 (392)	8.939±5.551 (122)	-	0.04036	0.06988
rs346574 (GG, GA, AA)	8.252±5.258 (722)	8.011±7.618 (107)	-	-	0.2542	0.3409
rs346588 (AA, AG, GG)	8.32±5.262 (571)	7.909±6.261 (232)	8.827±6.971 (26)	-	0.03287	0.02299
rs346604 (CC, CA, AA)	8.288±5.288 (716)	7.905±7.473 (109)	4.883±1.187 (4)	-	0.04079	0.08332
rs3742257 (AA, AG, GG)	8.024±4.6 (217)	8.153±6.184 (411)	8.572±5.387 (201)	-	0.1927	0.3608
rs633137 (AA, AG, GG)	8.27±5.277 (723)	7.886±7.542 (106)	-	-	0.1761	0.2406
rs7990075 (AA, AG, GG)	8.342±5.195 (289)	7.956±5.279 (421)	8.865±7.44 (119)	-	0.04698	0.09445
rs931273 (GG, GA, AA)	8.191±5.701 (626)	8.074±4.883 (187)	11.3±9.236 (15)	-	0.0562	0.03758
rs9525646 (CC, CG, GG)	8.202±5.258 (249)	8.095±5.388 (412)	8.557±6.602 (168)	-	0.192	0.2623
rs9533172 (CC, CG, GG)	8.296±5.294 (489)	8.017±6.076 (290)	8.448±5.828 (48)	-	0.0789	0.06017
rs9533173 (GG, GA, AA)	8.28±5.951 (286)	8.148±5.624 (386)	8.293±4.947 (157)	-	0.3276	0.3387
rs9562414 (AA, AG, GG)	8.326±5.333 (698)	7.756±7.032 (126)	5.316±1.659 (5)	-	0.0365	0.1192

**TNFSF12;TNFSF13**

rs4968200 (GG, GC, CC)	8.454±6.014 (632)	7.272±3.851 (180)	9.606±4.884 (17)	-	0.005165	0.004466
rs12940684 (AA, AG, GG)	8.001±5.109 (405)	8.318±5.238 (347)	8.951±8.938 (76)	-	0.3181	0.3828
rs3803796 (GG, GC, CC)	8.492±6.001 (673)	7.005±3.25 (148)	7.895±3.052 (8)	-	0.003632	0.002752
rs9899183 (AA, AG, GG)	8.113±5.204 (443)	8.231±5.113 (324)	8.971±9.774 (60)	-	0.7623	0.8159
rs12937543 (AA, AT, TT)	7.786±5.919 (248)	8.541±5.639 (419)	8.062±5.032 (161)	-	0.03999	0.02835
rs4511593 (AA, AG, GG)	7.906±5.133 (350)	8.404±5.267 (379)	8.637±8.046 (99)	-	0.1415	0.1538
rs4968212 (GG, GA, AA)	8.028±5.161 (416)	8.239±5.064 (348)	9.357±9.715 (65)	-	0.2709	0.2919
rs8068222 (CC, CA, AA)	8.048±5.813 (300)	8.44±5.68 (408)	7.908±4.863 (120)	-	0.2203	0.3551

**TNFSF13B**

rs1041569 (TT, TA, AA)	8.031±5.364 (520)	8.541±6.293 (222)	8.613±5.274 (85)	-	0.3011	0.4871
rs10508198 (GG, GC, CC)	8.304±5.789 (389)	8.16±5.556 (355)	8.093±5.066 (85)	-	0.5501	0.343
rs1224141 (AA, AC, CC)	8.219±5.842 (489)	8.105±5.096 (301)	9.128±6.511 (39)	-	0.2818	0.1985
rs1224147 (AA, AG, GG)	8.331±5.742 (473)	8.061±5.27 (303)	8.151±6.391 (53)	-	0.5758	0.6345
rs12428930 (AA, AC, CC)	8.357±6.095 (520)	8.044±4.786 (273)	7.589±3.946 (36)	-	0.6721	0.3225
rs16972207 (GG, GC, CC)	8.214±5.455 (555)	8.292±6.059 (256)	7.42±3.682 (18)	-	0.2479	0.1856
rs16972216 (GG, GA, AA)	8.225±5.873 (595)	8.309±4.981 (210)	7.503±4.161 (23)	-	0.5343	0.6502
rs17499386 (AA, AG, GG)	8.126±5.673 (609)	8.401±5.458 (200)	9.604±5.427 (19)	-	0.1397	0.0591
rs4145212 (TT, TA, AA)	8.076±5.003 (454)	8.428±5.508 (312)	8.298±9.305 (62)	-	0.1177	0.1837
rs8181791 (AA, AG, GG)	8.588±6.1 (381)	7.966±5.281 (355)	7.692±4.64 (93)	-	0.06874	0.04091
rs9514827 (AA, AG, GG)	8.746±6.41 (387)	7.713±4.738 (369)	8.007±4.949 (73)	-	0.01618	0.017
rs9514828 (GG, GA, AA)	8.61±6.277 (222)	8.137±5.45 (420)	7.957±5.139 (186)	-	0.1698	0.1031
rs9520836 (AA, AG, GG)	8.088±4.921 (479)	8.437±5.699 (295)	8.22±9.567 (55)	-	0.2408	0.4337

**TNFSF14**

rs12609318 (GG, GA, AA)	8.099±4.884 (448)	8.436±6.536 (330)	7.981±5.214 (50)	-	0.3796	0.5681
rs2279627 (CC, CG, GG)	8.105±4.888 (447)	8.401±6.504 (334)	8.128±5.345 (47)	-	0.4805	0.6895
rs8106574 (GG, GA, AA)	8.18±5.605 (502)	8.286±5.617 (282)	8.369±5.827 (44)	-	0.4996	0.3077

**TNFSF15**

rs10114470 (GG, GA, AA)	7.914±4.872 (410)	8.522±6.558 (342)	8.513±4.643 (77)	-	0.08882	0.1847
rs10982412 (GG, GA, AA)	8.411±5.629 (622)	7.634±5.593 (193)	7.879±4.916 (14)	-	0.01563	0.007293
rs1407308 (CC, CA, AA)	8.229±5.166 (213)	8.088±5.597 (415)	8.487±6.101 (201)	-	0.2623	0.3503
rs4246905 (GG, GA, AA)	7.899±4.87 (442)	8.629±6.675 (322)	8.392±4.412 (64)	-	0.08398	0.2181
rs4263839 (GG, GA, AA)	7.868±4.771 (395)	8.541±6.506 (355)	8.548±5.121 (79)	-	0.1264	0.1314
rs4372078 (CC, CA, AA)	7.844±4.675 (422)	8.658±6.76 (343)	8.364±4.277 (63)	-	0.118	0.1531
rs7847158 (AA, AG, GG)	8.295±5.442 (440)	8.06±5.738 (329)	8.559±6.21 (60)	-	0.3379	0.315
rs7853287 (GG, GA, AA)	8.436±6.317 (486)	7.731±4.039 (294)	9.028±6.182 (49)	-	0.2098	0.1766
rs7862325 (GG, GA, AA)	8.231±5.121 (216)	8.081±5.602 (415)	8.502±6.144 (198)	-	0.2447	0.3582

**TNFSF18**

rs16845308 (CC, CA, AA)	7.986±4.743 (465)	8.566±6.744 (309)	8.264±5.418 (55)	-	0.4785	0.1926
rs2236876 (GG, GA, AA)	7.98±4.74 (466)	8.556±6.751 (309)	8.382±5.398 (54)	-	0.4117	0.1255
rs723858 (TT, TA, AA)	7.933±4.627 (526)	8.777±7.096 (268)	8.283±6.144 (35)	-	0.2798	0.1191
rs9286880 (AA, AC, CC)	8.429±6.32 (442)	7.937±4.64 (325)	8.223±4.885 (62)	-	0.3066	0.1983
rs975074 (AA, AC, CC)	7.875±4.614 (221)	8.675±6.437 (424)	7.589±4.492 (184)	-	0.02145	0.02823

**EDA**

rs2281932 (GG, GA, AA)	8.46±6.299 (487)	8.174±4.868 (163)	7.735±3.905 (41)	7.576±4.066 (138)	0.1954	0.02977
rs1202987 (GG, GA, AA)	8.133±5.274 (562)	8.357±5.611 (131)	8.977±4.735 (30)	8.307±7.379 (106)	0.1567	0.1826
rs1203008 (AA, AG, GG)	8.132±5.543 (573)	8.652±6.85 (128)	9.484±5.168 (25)	7.872±4.245 (103)	0.06589	0.2533
rs12156697 (GG, GA, AA)	8.143±5.867 (555)	8.558±5.651 (95)	9.506±5.069 (39)	7.466±3.837 (95)	0.01282	0.1729
rs12849239 (GG, GA, AA)	8.569±6.014 (375)	8.043±5.561 (190)	9.174±6.068 (92)	7.148±4.212 (172)	0.0002358	0.001801
rs12864026 (AA, AG, GG)	8.1±5.335 (657)	9.599±7.833 (103)	8.447±2.785 (9)	7.139±3.738 (60)	0.01226	0.1189
rs1327347 (AA, AG, GG)	8.082±6.15 (428)	8.183±4.9 (176)	9.808±6.15 (59)	8.057±4.527 (166)	0.00462	0.02426
rs1327479 (CC, CG, GG)	8.23±5.395 (657)	8.196±4.523 (104)	10.84±4.433 (6)	7.917±8.817 (62)	0.0726	0.2063
rs1409997 (AA, AT, TT)	8.227±5.315 (691)	8.154±4.699 (83)	10.8±5.721 (4)	8.044±9.652 (51)	0.175	0.1722
rs1938018 (AA, AG, GG)	8.499±5.853 (425)	8.347±6.138 (193)	8.811±5.304 (65)	6.983±3.936 (146)	0.0004061	0.009844
rs1938022 (GG, GA, AA)	8.113±5.603 (392)	8.481±6.449 (195)	9.096±5.65 (65)	7.853±4.53 (177)	0.05811	0.1023
rs1938026 (GG, GA, AA)	8.136±5.277 (606)	8.239±5.255 (122)	10.08±4.759 (17)	8.428±8.12 (84)	0.04114	0.07024
rs1938029 (AA, AG, GG)	8.13±5.283 (604)	8.239±5.255 (122)	10.08±4.759 (17)	8.465±8.037 (86)	0.03998	0.0642
rs2188451 (CC, CG, GG)	8.546±5.967 (379)	8.131±5.745 (192)	8.973±5.85 (92)	7.166±4.218 (166)	0.0009479	0.005587
rs2188454 (AA, AG, GG)	8.01±4.846 (564)	8.713±6.755 (134)	9.157±5.276 (26)	8.513±7.641 (104)	0.1163	0.1891
rs2247412 (AA, AG, GG)	8.188±5.258 (572)	8.235±5.625 (134)	8.541±3.729 (20)	8.377±7.624 (101)	0.3582	0.07303
rs2296765 (GG, GA, AA)	8.322±6.135 (428)	8.617±5.643 (175)	8.355±5.131 (64)	7.472±4.093 (162)	0.04502	0.467
rs2520385 (GG, GA, AA)	8.091±4.869 (604)	8.53±6.859 (115)	9.53±5.924 (20)	8.404±8.006 (90)	0.213	0.2664
rs2520391 (CC, CA, AA)	8.568±5.992 (375)	7.86±4.457 (194)	9.533±7.789 (91)	7.157±4.191 (169)	0.0004332	0.002548
rs2804361 (AA, AC, CC)	7.977±5.02 (338)	8.473±6.112 (192)	9.123±5.692 (87)	8.011±5.988 (212)	0.01734	0.1732
rs2804385 (AA, AG, GG)	8.122±5.249 (536)	8.376±5.807 (145)	8.422±3.425 (29)	8.479±7.329 (115)	0.2803	0.03788
rs2804389 (AA, AT, TT)	8.568±5.992 (375)	7.86±4.457 (194)	9.533±7.789 (91)	7.172±4.199 (168)	0.0005074	0.002795
rs5936491 (GG, GA, AA)	8.456±6.095 (558)	7.634±4.155 (144)	9.178±5.713 (32)	7.406±4.331 (94)	0.02051	0.01222
rs5936510 (GG, GA, AA)	8.2±5.869 (599)	8.81±5.675 (112)	9.004±4.415 (23)	7.466±3.837 (95)	0.02846	0.3011
rs5936707 (TT, TA, AA)	8.186±5.693 (677)	8.767±5.993 (88)	10.79±4.297 (9)	7.405±3.818 (54)	0.02335	0.05804
rs5936776 (TT, TA, AA)	8.106±4.841 (572)	8.423±6.867 (132)	9.393±5.648 (22)	8.351±7.554 (103)	0.2524	0.1058
rs5936811 (AA, AG, GG)	8.288±6.17 (443)	8.218±5.385 (174)	8.933±4.85 (51)	7.812±4.343 (161)	0.1177	0.3697
rs5936820 (CC, CA, AA)	8.274±6.02 (523)	8.406±5.311 (150)	7.486±3.762 (36)	7.979±4.527 (120)	0.281	0.0831
rs5980827 (GG, GA, AA)	8.214±5.862 (590)	8.659±5.948 (122)	9.027±3.643 (18)	7.573±3.598 (99)	0.08099	0.356
rs5980855 (CC, CG, GG)	7.947±4.723 (471)	8.428±6.27 (168)	9.26±6.242 (42)	8.562±7.066 (148)	0.1208	0.0177
rs5980867 (AA, AC, CC)	7.86±4.649 (437)	8.541±6.355 (180)	9.116±5.736 (51)	8.558±6.919 (161)	0.04998	0.01015
rs5980890 (GG, GA, AA)	8.199±5.601 (391)	8.803±5.492 (191)	7.461±3.503 (71)	7.945±6.391 (176)	0.03413	0.08434
rs5980892 (AA, AG, GG)	8.304±6.045 (516)	8.33±5.352 (151)	7.711±3.596 (39)	7.898±4.485 (123)	0.4255	0.1801
rs6625546 (GG, GA, AA)	8.011±4.834 (399)	8.725±5.737 (205)	8.801±7.264 (73)	7.812±6.386 (152)	0.03605	0.5447
rs6625561 (AA, AG, GG)	8.02±5.376 (523)	9.147±6.363 (161)	9.598±9.397 (32)	7.439±3.66 (113)	0.004738	0.1421
rs7876773 (GG, GA, AA)	8.007±4.827 (488)	8.998±6.675 (173)	7.822±4.788 (43)	8.118±6.945 (125)	0.03383	0.08073
rs7882379 (GG, GA, AA)	8.084±5.672 (488)	8.767±5.882 (172)	8.78±4.821 (42)	7.822±5.24 (127)	0.02323	0.5046
rs7888085 (CC, CA, AA)	8.082±4.88 (415)	8.792±6.423 (202)	8.47±5.18 (64)	7.721±6.459 (148)	0.03534	0.5628
rs882137 (AA, AC, CC)	8.578±5.987 (375)	7.922±4.515 (193)	9.405±7.758 (91)	7.138±4.186 (170)	0.0004845	0.003443
rs3795170 (AA, AC, CC)	8.422±6.572 (407)	8.278±4.801 (187)	8.531±4.828 (60)	7.586±4.01 (175)	0.1013	0.2311
rs5936531 (CC, CG, GG)	7.926±5.685 (319)	8.628±6.085 (210)	9.054±5.871 (88)	7.863±4.787 (211)	0.009241	0.4138
rs6625563 (GG, GA, AA)	8.225±5.251 (432)	8.613±6.133 (182)	7.774±3.717 (65)	7.925±6.584 (150)	0.2009	0.1728
rs1938024 (AA, AG, GG)	8.061±5.582 (712)	9.268±5.702 (72)	-9.068±5.839 (45)		0.02159	0.01901
rs5936523 (GG, GA, AA)	8.083±5.532 (425)	8.67±6.713 (184)	8.803±4.887 (54)	7.93±4.673 (161)	0.0788	0.2004
rs5936524 (AA, AC, CC)	8±5.207 (580)	8.405±5.17 (126)	9.663±4.441 (22)	8.745±7.855 (100)	0.01564	0.03613
rs5936796 (GG, GA, AA)	7.995±5.222 (487)	8.221±5.135 (154)	9.783±6.008 (44)	8.557±7.113 (141)	0.01239	0.007792

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***IL1A***

rs17561 (CC, CA, AA)	7.869±4.85 (396)	8.284±4.819 (365)	9.931±10.99 (68)	-	0.03963	0.03846
rs2856838 (GG, GA, AA)	8.594±6.772 (302)	8.053±4.832 (394)	7.872±4.799 (133)	-	0.1639	0.1919
rs3783512 (GG, GA, AA)	8.328±6.192 (410)	8.277±5.136 (339)	7.489±4.26 (79)	-	0.1646	0.2365
rs2856836 (AA, AG, GG)	7.869±4.85 (396)	8.284±4.819 (365)	9.931±10.99 (68)	-	0.03963	0.03846

***IL1B***

rs1143627 (AA, AG, GG)	8.444±5.647 (379)	8.093±5.739 (364)	7.778±4.901 (86)	-	0.168	0.09924
rs1143634 (GG, GA, AA)	7.981±4.88 (470)	8.444±6.019 (321)	9.302±9.358 (38)	-	0.1309	0.1375
rs12621220 (GG, GA, AA)	8.348±5.47 (459)	8.15±6.075 (308)	7.632±4.108 (62)	-	0.2915	0.2423
rs3917365 (GG, GA, AA)	8.31±5.782 (696)	7.737±4.683 (125)	8.01±3.763 (8)	-	0.3086	0.1294
rs3917368 (GG, GA, AA)	8.431±6.583 (330)	7.864±4.429 (395)	8.908±6.225 (104)	-	0.232	0.2036
rs4848306 (GG, GA, AA)	8.397±7.35 (224)	8.037±4.586 (422)	8.43±5.325 (183)	-	0.4862	0.3087

***IL1RN***

rs2637988 (AA, AG, GG)	8.299±5.639 (300)	8.098±5.753 (398)	8.415±5.137 (131)	-	0.3136	0.3959
rs3087263 (GG, GA, AA)	8.164±5.752 (682)	8.459±4.985 (135)	8.758±4.43 (12)	-	0.3502	0.587
rs315920 (GG, GA, AA)	8.114±5.353 (527)	8.362±6.062 (261)	8.604±6.053 (40)	-	0.898	0.7074
rs315921 (GG, GA, AA)	8.141±5.369 (553)	8.329±6.02 (244)	8.676±6.693 (31)	-	0.6667	0.4748
rs315943 (AA, AG, GG)	8.026±5.063 (309)	8.496±6.369 (391)	7.852±4.252 (129)	-	0.1756	0.1306
rs315946 (GG, GA, AA)	8.183±5.311 (604)	8.379±6.633 (200)	7.858±3.646 (25)	-	0.3184	0.1804
rs3213448 (GG, GA, AA)	8.208±5.7 (648)	8.266±5.361 (170)	8.265±4.576 (11)	-	0.7045	0.3983
rs380092 (TT, TA, AA)	8.354±5.575 (391)	7.902±5.541 (346)	8.856±6.02 (92)	-	0.04436	0.05462
rs3997211 (AA, AG, GG)	8.196±5.482 (380)	8.41±6.011 (366)	7.498±4.212 (83)	-	0.1863	0.171
rs408392 (CC, CA, AA)	8.221±5.49 (420)	8.197±5.933 (342)	8.338±4.697 (67)	-	0.5889	0.4293
rs4251961 (AA, AG, GG)	8.224±5.234 (321)	8.312±6.221 (397)	7.886±4.243 (111)	-	0.6559	0.5639
rs4252042 (GG, GA, AA)	8.181±5.677 (681)	8.431±5.368 (140)	7.964±4.869 (8)	-	0.4413	0.1922
rs454078 (TT, TA, AA)	8.221±5.49 (420)	8.197±5.933 (342)	8.338±4.697 (67)	-	0.5889	0.4293

***IL18***

rs360722 (GG, GA, AA)	8.182±5.324 (652)	8.49±6.832 (161)	7.091±2.99 (16)	-	0.4519	0.3503
rs543810 (AA, AG, GG)	8.182±5.324 (652)	8.528±6.837 (160)	7.091±2.99 (16)	-	0.3998	0.2871
rs549908 (AA, AC, CC)	8.244±5.99 (406)	8.038±5.086 (351)	8.986±5.879 (72)	-	0.246	0.5751
rs5744247 (GG, GC, CC)	8.176±5.373 (671)	8.469±6.792 (145)	8.235±2.448 (12)	-	0.3389	0.1619
rs5744258 (CC, CG, GG)	8.111±5.174 (493)	8.491±6.305 (291)	7.671±5.542 (45)	-	0.1171	0.08781
rs5744280 (GG, GA, AA)	8.476±6.057 (354)	7.973±5.304 (362)	8.213±5.125 (113)	-	0.2386	0.3564
rs2043055 (AA, AG, GG)	8.583±6.116 (319)	7.826±5.227 (371)	8.443±5.37 (139)	-	0.06928	0.1201
rs1293344 (AA, AG, GG)	8.227±5.954 (457)	8.026±5.044 (312)	9.187±5.744 (60)	-	0.1226	0.3041
rs1946519 (CC, CA, AA)	8.272±5.509 (305)	8.035±5.868 (395)	8.669±5.044 (129)	-	0.1383	0.1147

***IL1F5; IL1F10***

rs10165797 (CC, CA, AA)	7.906±4.69 (230)	8.207±5.657 (404)	8.622±6.463 (195)	-	0.3555	0.1471
rs10206428 (GG, GA, AA)	8.218±4.657 (294)	8.139±6.192 (407)	8.486±5.721 (128)	-	0.324	0.5647
rs1156701 (GG, GA, AA)	8.078±5.45 (672)	8.884±6.327 (152)	7.23±2.661 (5)	-	0.06414	0.02495
rs12469822 (AA, AG, GG)	8.275±6.02 (299)	8.058±5.175 (394)	8.574±5.923 (136)	-	0.5143	0.3932
rs12711749 (AA, AG, GG)	8.202±4.834 (308)	8.079±6.046 (404)	8.761±5.978 (117)	-	0.2801	0.5006
rs1446521 (AA, AG, GG)	8.207±4.794 (373)	8.13±6.21 (382)	8.761±6.22 (74)	-	0.3828	0.7973
rs1446522 (CC, CG, GG)	8.083±5.459 (669)	8.849±6.28 (155)	7.23±2.661 (5)	-	0.07186	0.02428
rs17042750 (AA, AC, CC)	8.215±5.68 (709)	8.216±5.237 (115)	9.146±5.477 (5)	-	0.4865	0.3652
rs1867834 (GG, GA, AA)	8.669±6.227 (251)	8.088±5.576 (399)	7.876±4.717 (178)	-	0.2054	0.0948
rs2100071 (AA, AC, CC)	8.241±4.811 (367)	8.111±6.184 (386)	8.753±6.199 (75)	-	0.3082	0.6622
rs2862853 (AA, AG, GG)	8.241±4.811 (367)	8.098±6.181 (387)	8.753±6.199 (75)	-	0.2838	0.6305
rs3811050 (GG, GA, AA)	8.159±5.625 (600)	8.373±5.676 (217)	8.575±3.937 (12)	-	0.2311	0.2499
rs3811053 (AA, AG, GG)	8.235±5.719 (689)	8.164±5.124 (132)	7.91±4.535 (8)	-	0.8351	0.5659
rs3827763 (GG, GA, AA)	8.283±5.819 (390)	7.99±5.156 (356)	8.918±6.457 (83)	-	0.3301	0.4872
rs4145013 (AA, AG, GG)	8.28±5.795 (361)	8.073±5.307 (370)	8.56±6.08 (98)	-	0.4727	0.3548
rs4849148 (AA, AG, GG)	8.2±5.706 (725)	8.363±4.942 (104)	-	-	0.6364	0.5838
rs6761276 (GG, GA, AA)	8.446±6.179 (271)	7.836±4.999 (419)	8.942±6.132 (139)	-	0.07576	0.06206
rs7599662 (GG, GA, AA)	8.241±4.811 (367)	8.098±6.181 (387)	8.753±6.199 (75)	-	0.2838	0.6305
rs921065 (AA, AG, GG)	8.542±6.466 (209)	8.205±5.581 (407)	7.936±4.714 (213)	-	0.4911	0.1892
rs2515402 (AA, AC, CC)	8.218±4.657 (294)	8.139±6.192 (407)	8.486±5.721 (128)	-	0.324	0.5647
rs957200 (CC, CA, AA)	8.075±5.45 (672)	8.898±6.326 (152)	7.23±2.661 (5)	-	0.05852	0.02469

***IL1F5; IL1F10; IL1F8***

rs1530549 (AA, AG, GG)	8.071±5.447 (673)	8.924±6.339 (151)	7.23±2.661 (5)	-	0.05119	0.02209
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***IL1F5; IL1F8***

rs1562302 (GG, GA, AA)	7.996±5.541 (575)	8.717±5.87 (234)	9.003±4.315 (19)	-	0.01618	0.007096
rs9678578 (AA, AT, TT)	8.241±4.811 (367)	8.108±6.184 (386)	8.698±6.189 (76)	-	0.3122	0.6508

**IL1F6**

rs895497 (GG, GA, AA)	8.398±6.274 (400)	7.854±4.594 (349)	8.936±6.099 (80)	-	0.1155	0.2491
rs1446512 (CC, CA, AA)	8.374±6.249 (404)	7.876±4.614 (345)	8.936±6.099 (80)	-	0.13	0.2555
rs2305152 (AA, AC, CC)	8.586±5.712 (385)	7.663±5.499 (349)	8.838±5.553 (93)	-	0.005048	0.005143
rs6714534 (AA, AG, GG)	8.118±4.968 (596)	8.185±6.321 (212)	11.5±11.72 (21)	-	0.04288	0.04017

**IL1F7**

rs13023984 (CC, CA, AA)	8.221±5.823 (685)	8.284±4.549 (139)	6.492±2.537 (5)	-	0.2434	0.2839
rs2708943 (GG, GC, CC)	8.21±5.813 (688)	8.331±4.564 (137)	6.393±2.918 (4)	-	0.194	0.2505
rs2708947 (AA, AG, GG)	8.205±5.816 (687)	8.331±4.564 (137)	6.393±2.918 (4)	-	0.1902	0.2487
rs2723187 (GG, GA, AA)	8.21±5.813 (688)	8.331±4.564 (137)	6.393±2.918 (4)	-	0.194	0.2505
rs2723192 (GG, GA, AA)	8.21±5.813 (688)	8.331±4.564 (137)	6.393±2.918 (4)	-	0.194	0.2505
rs4241122 (AA, AG, GG)	7.983±5.024 (405)	8.37±5.744 (358)	8.867±7.899 (66)	-	0.08456	0.06709
rs4458215 (AA, AG, GG)	7.964±4.798 (517)	8.613±6.33 (284)	8.981±10.15 (28)	-	0.1183	0.1106

**IL1F8**

rs1006122 (GG, GC, CC)	8.365±6.281 (399)	7.929±4.517 (349)	8.766±6.352 (81)	-	0.3611	0.4553
rs11883847 (GG, GA, AA)	8.219±5.683 (708)	8.19±5.221 (116)	9.146±5.477 (5)	-	0.5018	0.3854
rs12711747 (GG, GA, AA)	8.054±4.997 (252)	8.103±5.411 (429)	8.846±7.009 (148)	-	0.3101	0.1589
rs13030063 (AA, AG, GG)	8.111±5.02 (251)	8.052±5.424 (426)	8.88±6.931 (151)	-	0.2011	0.1076
rs1374280 (GG, GA, AA)	8.481±6.074 (283)	8.137±5.515 (405)	7.94±4.905 (141)	-	0.458	0.1665
rs17660913 (AA, AG, GG)	8.056±4.954 (629)	8.464±6.513 (186)	12.4±14.03 (14)	-	0.05423	0.04681
rs2862772 (GG, GC, CC)	8.056±4.897 (259)	8.244±5.553 (410)	8.43±6.765 (160)	-	0.4758	0.2461
rs2862774 (AA, AC, CC)	8.142±5.558 (547)	8.31±5.758 (261)	9.18±5.377 (21)	-	0.196	0.07686
rs2862776 (AA, AG, GG)	8.235±4.842 (360)	8.147±6.172 (386)	8.506±6.049 (83)	-	0.4346	0.8001
rs4849143 (CC, CG, GG)	8.193±4.805 (370)	8.159±6.197 (382)	8.663±6.204 (77)	-	0.5035	0.8164
rs6724667 (AA, AG, GG)	8.235±4.842 (360)	8.137±6.167 (387)	8.555±6.069 (82)	-	0.4326	0.8415
rs6744288 (AA, AT, TT)	8.096±4.955 (268)	8.069±5.476 (409)	8.849±6.919 (152)	-	0.2379	0.1288

**IL1F9**

rs11690399 (CC, CA, AA)	8.426±5.256 (238)	7.878±4.635 (388)	8.636±7.426 (203)	-	0.1789	0.1545
rs11695148 (AA, AG, GG)	8.206±5.414 (520)	8.28±6.065 (280)	7.911±4.683 (29)	-	0.6999	0.5642
rs13029531 (GG, GA, AA)	8.436±5.261 (236)	7.86±4.626 (391)	8.668±7.444 (202)	-	0.1445	0.122
rs13392494 (GG, GA, AA)	8.102±4.968 (598)	8.275±6.341 (209)	10.93±11.6 (22)	-	0.1255	0.1044
rs13418326 (GG, GC, CC)	8.553±5.734 (382)	7.75±5.487 (353)	8.637±5.516 (94)	-	0.02771	0.02375
rs6542107 (AA, AG, GG)	8.085±4.957 (601)	8.294±6.359 (208)	11.53±12.02 (20)	-	0.05682	0.04734
rs6743744 (AA, AG, GG)	8.34±5.746 (700)	7.311±4.2 (122)	12.13±10.52 (7)	-	0.002859	0.002149
rs7584409 (AA, AG, GG)	8.33±6.256 (400)	7.952±4.628 (349)	8.847±6.119 (80)	-	0.2695	0.3216
rs4849136 (AA, AG, GG)	8.381±6.263 (403)	7.879±4.586 (348)	8.916±6.177 (78)	-	0.1726	0.3145

**IL1F10**

rs11123159 (AA, AG, GG)	8.203±5.659 (716)	8.312±5.352 (108)	8.856±5.629 (5)	-	0.5003	0.4016
rs11123160 (AA, AT, TT)	8.229±5.734 (421)	8.084±5.284 (348)	8.958±6.577 (60)	-	0.5467	0.6444
rs12711751 (CC, CA, AA)	8.237±5.737 (360)	8.009±5.303 (375)	9.004±6.292 (94)	-	0.3312	0.2802
rs12711752 (AA, AG, GG)	8.516±5.632 (220)	8.085±6.006 (424)	8.181±4.58 (185)	-	0.3135	0.2692
rs13011842 (GG, GA, AA)	8.253±5.425 (485)	8.175±6.062 (297)	8.184±4.588 (47)	-	0.6599	0.462
rs13409360 (GG, GA, AA)	8.213±5.207 (292)	8.188±6.079 (424)	8.363±4.786 (113)	-	0.5059	0.5307
rs7574787 (CC, CA, AA)	8.139±5.409 (542)	8.312±5.926 (253)	8.855±6.503 (34)	-	0.8942	0.655

**INTERLEUKIN-6 FAMILY****IL6**

rs1800795 (CC,CG, GG)	8.143±4.679 (255)	8.563±6.484 (405)	7.518±4.506 (169)	-	0.03319	0.04482
rs1800797 (GG, GA, AA)	8.16±4.631 (262)	8.52±6.478 (405)	7.572±4.619 (162)	-	0.04002	0.06406
rs2069840 (GG, GC, CC)	8.151±5.575 (368)	8.328±5.851 (355)	8.105±4.937 (106)	-	0.4129	0.2315
rs10242595 (GG, GA, AA)	7.908±5.624 (454)	8.627±5.709 (315)	8.457±4.919 (60)	-	0.01526	0.02363
rs11766273 (GG, GA, AA)	8.279±5.746 (711)	7.77±4.597 (112)	9.708±7.228 (6)	-	0.2901	0.4694
rs12700386 (GG, GC, CC)	8.193±5.356 (560)	8.455±6.445 (228)	7.297±3.807 (41)	-	0.2208	0.1673
rs2069824 (AA, AG, GG)	8.097±5.351 (720)	9.229±7.192 (104)	5.124±1.353 (5)	-	0.04422	0.02862
rs2069827 (CC, CA, AA)	8.372±5.88 (666)	7.567±4.23 (153)	8.137±5.776 (10)	-	0.1495	0.1506
rs2069861 (GG, GA, AA)	8.259±5.846 (677)	8.091±4.481 (148)	6.583±2.523 (4)	-	0.6859	0.6336

**IL1I**

rs2124920 (GG, GA, AA)	8.334±5.828 (723)	7.471±3.78 (105)	-	-	0.3111	0.2366
rs897799 (AA, AG, GG)	8.073±4.974 (534)	8.55±6.777 (253)	8.111±5.613 (42)	-	0.6268	0.5263
rs1042506 (AA, AC, CC)	8.028±4.843 (621)	8.898±7.679 (185)	7.971±5.174 (23)	-	0.6319	0.5707
rs1126757 (GG, GA, AA)	7.939±5.131 (222)	8.196±5.565 (428)	8.627±6.312 (176)	-	0.1003	0.01625

**IL12A**

rs17826053 (AA, AC, CC)	8.18±5.332 (601)	8.335±6.425 (212)	8.261±4.627 (16)	-	0.7489	0.6539
rs2243115 (AA, AC, CC)	8.266±5.842 (660)	7.967±4.691 (157)	9.043±3.676 (12)	-	0.2583	0.3383
rs2243123 (AA, AG, GG)	8.224±5.543 (417)	8±5.495 (328)	9.066±6.364 (84)	-	0.2083	0.2312
rs2243131 (AA, AC, CC)	8.236±5.417 (567)	8.237±6.223 (231)	8.314±5.002 (18)	-	0.6285	0.5767
rs2243136 (AA, AG, GG)	8.239±5.784 (644)	7.867±4.824 (128)	8.591±3.946 (41)	-	0.1358	0.1237
rs2243143 (GG, GA, AA)	8.222±5.794 (295)	8.058±5.524 (390)	8.659±5.493 (144)	-	0.1892	0.275
rs2243151 (AA, AT, TT)	8.222±5.794 (295)	8.063±5.53 (389)	8.641±5.478 (145)	-	0.1974	0.2741
rs2243154 (GG, GA, AA)	8.296±5.746 (681)	7.876±4.994 (143)	7.852±4.401 (5)	-	0.4975	0.5522
rs583911 (AA, AG, GG)	8.709±6.453 (269)	7.709±4.348 (408)	8.703±6.835 (151)	-	0.05247	0.1524
rs668998 (AA, AG, GG)	8.715±6.442 (270)	7.695±4.316 (408)	8.73±6.906 (150)	-	0.04685	0.1379
rs890914 (AA, AG, GG)	8.266±5.842 (660)	7.967±4.691 (157)	9.043±3.676 (12)	-	0.2583	0.3383

**IL12B**

rs1003199 (AA, AG, GG)	8.177±6.398 (232)	8.037±4.517 (390)	8.617±6.481 (207)	-	0.454	0.5467
rs10052709 (GG, GC, CC)	8.162±5.455 (629)	8.366±5.969 (193)	9.484±9.543 (7)	-	0.783	0.6222
rs1433048 (AA, AG, GG)	8.171±5.941 (550)	8.233±4.659 (239)	8.83±6.262 (40)	-	0.3106	0.3963
rs2546890 (AA, AG, GG)	8.614±6.269 (247)	7.901±4.711 (423)	8.461±6.64 (159)	-	0.09838	0.1456
rs2546893 (AA, AG, GG)	7.858±6.193 (235)	8.359±5.289 (388)	8.375±5.522 (206)	-	0.09677	0.09151
rs2569253 (GG, GA, AA)	8.224±6.396 (234)	7.979±4.468 (389)	8.674±6.532 (206)	-	0.3934	0.6218
rs2853694 (CC, CA, AA)	8.317±4.387 (229)	7.98±5.727 (418)	8.653±6.633 (182)	-	0.04541	0.06495
rs2853696 (GG, GA, AA)	8.264±6.028 (528)	8.132±4.842 (265)	8.247±4.62 (36)	-	0.6491	0.7306
rs3181224 (AA, AG, GG)	8.134±5.407 (659)	8.497±6.282 (161)	9.825±8.483 (8)	-	0.5172	0.6569
rs3181225 (GG, GA, AA)	8.326±5.285 (541)	7.993±6.285 (252)	8.239±5.538 (36)	-	0.1091	0.2006
rs6859018 (GG, GA, AA)	8.207±5.477 (572)	8.11±5.75 (233)	9.635±7.337 (24)	-	0.6145	0.7979
rs919766 (AA, AC, CC)	8.13±5.41 (658)	8.51±6.246 (163)	9.825±8.483 (8)	-	0.4951	0.6326

**IL23A**

rs2371494 (GG, GA, AA)	8.247±5.792 (724)	8.041±4.194 (105)	-	-	0.8486	0.6857
rs2066808 (AA, AG, GG)	8.247±5.792 (724)	8.041±4.194 (105)	-	-	0.8486	0.6857

**OSM**

rs11089441 (CC, CA, AA)	8.505±6.141 (402)	8.052±5.288 (350)	7.507±3.853 (77)	-	0.213	0.3211
rs2070889 (GG, GA, AA)	8.313±5.724 (545)	7.874±5.393 (256)	9.598±5.317 (28)	-	0.02873	0.01824
rs9608859 (GG, GA, AA)	8.292±5.116 (255)	8.067±5.369 (433)	8.563±7.052 (141)	-	0.2292	0.2344

**LIF**

rs2267153 (CC, CG, GG)	8.551±6.256 (397)	8.001±5.133 (356)	7.525±3.897 (76)	-	0.2041	0.2787
rs3761427 (CC, CG, GG)	8.537±6.244 (399)	8.003±5.141 (355)	7.569±3.903 (75)	-	0.2341	0.3158
rs715605 (AA, AG, GG)	8.103±5.57 (704)	8.912±5.962 (118)	8.386±2.973 (7)	-	0.1592	0.2817
rs737921 (GG, GA, AA)	8.197±5.093 (485)	7.938±5.2 (297)	10.25±10.75 (47)	-	0.05805	0.1327
rs929271 (AA, AC, CC)	8.458±6.139 (380)	8.144±5.35 (370)	7.442±3.88 (79)	-	0.2361	0.3952
rs929273 (GG, GA, AA)	8.426±6.051 (403)	8.129±5.373 (354)	7.522±3.981 (72)	-	0.277	0.4956
rs9606708 (CC, CA, AA)	8.507±6.183 (396)	8.05±5.244 (355)	7.48±3.897 (77)	-	0.2207	0.3254

**CNTF**

rs11229549 (AA, AG, GG)	8.313±5.198 (575)	8.036±6.721 (227)	7.807±3.714 (27)	-	0.07281	0.1379
rs2507763 (AA, AG, GG)	8.262±4.774 (272)	8.427±5.892 (388)	7.682±6.178 (169)	-	0.08554	0.06384
rs3168135 (GG, GA, AA)	8.386±4.746 (452)	7.988±5.852 (320)	8.218±9.428 (57)	-	0.009088	0.01018
rs550942 (AA, AG, GG)	8.177±5.988 (575)	8.18±4.509 (230)	9.547±6.01 (23)	-	0.1793	0.3246
rs17489568 (CC, CG, GG)	8.256±6.036 (582)	8.244±4.606 (224)	7.111±2.712 (23)	-	0.3971	0.2782
rs1800169 (GG, GA, AA)	8.276±6.015 (609)	8.13±4.432 (202)	7.361±2.773 (18)	-	0.609	0.5357
rs2509914 (GG, GA, AA)	8.262±4.774 (272)	8.425±5.878 (390)	7.677±6.212 (167)	-	0.07824	0.06349

**CLCF1**

rs3781941 (GG, GA, AA)	8.064±5.315 (716)	9.217±7.175 (113)	-	-	0.07161	0.0264
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**CTF1**

rs9933843 (AA, AG, GG)	8.211±5.327 (292)	8.114±5.218 (409)	8.584±7.264 (128)	-	0.5176	0.7427
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**CSF3**

rs2227322 (CC, CG, GG)	8.01±5.382 (305)	8.145±5.195 (394)	8.948±7.151 (130)	-	0.02545	0.02292
rs2827 (GG, GA, AA)	8.218±5.828 (595)	8.276±5.161 (214)	7.718±3.516 (20)	-	0.5044	0.3812
rs8078723 (AA, AG, GG)	8.014±5.39 (304)	8.091±5.072 (394)	9.132±7.383 (130)	-	0.01316	0.0113

**CTF1**

rs1046276 (GG, GA, AA)	8.333±5.304 (318)	8.077±5.298 (395)	8.402±7.282 (116)	-	0.613	0.7755
rs11649653 (GG, GC, CC)	8.07±5.774 (314)	8.231±5.513 (389)	8.573±5.578 (121)	-	0.2546	0.3053



**CSF3**

rs2270401 (AA, AT, TT)	8.406±5.911 (347)	8.166±5.233 (340)	7.9±5.767 (142)	-	0.266	0.1448
rs2302776 (AA, AG, GG)	8.253±4.865 (270)	8.436±6.288 (352)	7.793±5.309 (206)	-	0.1137	0.06112

**LEP**

rs10249476 (CC, CA, AA)	8.215±5.771 (329)	8.405±5.81 (394)	7.554±4.184 (106)	-	0.131	0.1594
rs10487506 (GG, GA, AA)	8.173±4.628 (265)	8.12±5.663 (385)	8.509±6.746 (179)	-	0.3134	0.418
rs11761556 (AA, AC, CC)	8.233±6.007 (246)	8.51±5.926 (405)	7.546±4.083 (178)	-	0.05938	0.03367
rs11763517 (AA, AG, GG)	8.426±6.379 (230)	8.009±5.354 (407)	8.443±5.188 (190)	-	0.1979	0.2016
rs1349419 (GG, GA, AA)	8.157±5.982 (255)	8.552±5.936 (398)	7.564±4.063 (176)	-	0.06975	0.05118
rs2060715 (GG, GA, AA)	8.211±5.988 (248)	8.53±5.949 (399)	7.557±4.093 (182)	-	0.06101	0.03591
rs2278815 (AA, AG, GG)	8.142±5.976 (256)	8.599±5.977 (398)	7.476±3.901 (175)	-	0.04146	0.02948
rs4236625 (AA, AT, TT)	8.273±5.766 (710)	7.91±4.605 (119)	-	-	0.6418	0.3393
rs7795794 (GG, GA, AA)	8.301±5.773 (712)	7.73±4.511 (117)	-	-	0.3856	0.1903

<sup>a</sup> For description of candidate genes identification and location, refer to Table S1. A = adenine; C = cytosine; G = guanine; T = thymine.

<sup>b</sup> Controlling for age, sex, smoking, diabetes mellitus, presence of ST elevation and reperfusion or revascularization.