

Supplementary Figure 1: Principal-components analysis (PCA) for the GWAS1 and GWAS2 samples. Cases and controls positions on first and second components axis are presented for 2936 GWAS1 samples (1258 cases and 1678 controls) and 4411 GWAS2 samples (1087 cases and 3324 controls). Shaded area highlights outlier samples excluded before association test based on the principal component analyses. Vertical and horizontal lines indicate threshold for inclusion / exclusion criteria. Cases are represented in orange and controls in dark blue.

Supplementary Figure 2A, 2B and 2C: LocusZoom plots of SNPs by chromosome position against $-\log_{10} p$ -value for their genetic associations with the UC phenotype. **(A)** Chromosome 6, *HLA* association region; **(B)** Chromosome 3, *LSAMP* association region; **(C)** Chromosome 21, *USP25* association region. The top SNP is highlighted in purple. The surrounding SNPs, shown within 3000kb (*HLA*), 500kb (*LSAMP*), and 250kb (*USP25*) of the top SNP are color-coded to reflect their linkage disequilibrium in r^2 with the top SNP (*see inset*). Estimated recombination rates are plotted in pale blue to reflect local LD structure on secondary y-axis.

Supplementary Figure 3: LocusZoom plots of SNPs by chromosome position against $-\log_{10} p$ -value for their genetic associations with phenotype for *ZNF649* association region (chr19q13) with UC phenotype. The top associated SNP is highlighted in purple. The

surrounding SNPs, shown within 500kb of the top SNP are color-coded to reflect their linkage disequilibrium in r^2 with the top SNP (see *inset*). Estimated recombination rates are plotted in pale blue to reflect local LD structure on secondary y -axis.

Supplementary Figure 4: Alleles intensity cluster plot for rs72947885 (*LSAMP*) for the IBD samples in our study. The SNP rs72947885 genotypes from GWAS 2 (Affymetrix Axiom Genome-Wide AFR 1 Array World Array 3) have been assigned based on cluster formation in scatter plots of normalized allele intensities on the X (allele A) and Y (Allele B) axis. Each data point represents one individual's genotype. The Blue and red cluster indicate homozygotes for rs72947885, yellow indicates heterozygote and grey indicates undetermined. The three distinct, tight clusters show good discrimination of the genotypes.

Supplementary Table 1 (Excel file): Results for all association with p-values $<6.5 \times 10^{-5}$ in either GWAS1 or GWAS2 analyses for CD, UC and IBD. Suggestive SNPs at established European loci (specifically <1 Mb of the maximal reported associations) for IBD, CD and UC are indicated in bold.

Supplementary Table 1: Suggestive SNPs at established European loci (specifically <1 Mb of the maximal reported associations) for CD are indicated in bold

| Chr | Position | A1 | A2 | SNP Name | GWAS1 (Omni2.5) | | | | | GWAS2 (Axiom) | | | | | Combined | | nearest_gene(s) | Annotation |
|-----|-----------|----|-------------|------------------------|-----------------|-----------|--------------|------------|-------------|---------------|-----------|--------------|-------------|-------------|----------|---------------------------------------|--|----------------|
| | | | | | P_value | Case_Freq | Control_Freq | OR | OR_CI | P_Value | Case_Freq | Control_Freq | OR | OR_CI | OR | P-value | | |
| 16 | 50709723 | G | A | rs6596 | 3.55E-05 | 0.058 | 0.032 | 1.91 | 1.42 - 2.56 | 3.14E-04 | 0.062 | 0.049 | 1.28 | 1 - 1.64 | 2.06 | 1.14E-07 | SNX20 | exonic |
| 5 | 40424426 | A | C | rs6896969 | 5.46E-04 | 0.333 | 0.387 | 1.26 | 1.11 - 1.44 | 4.22E-05 | 0.330 | 0.391 | 1.30 | 1.15 - 1.47 | 1.28 | 1.69E-07 | LINC00603(dist=371000), PTGER4(dist=255606) | intergenic |
| 5 | 40406130 | T | A | rs6871591 | 4.07E-04 | 0.334 | 0.390 | 1.27 | 1.12 - 1.45 | 5.90E-05 | 0.330 | 0.389 | 1.30 | 1.14 - 1.47 | 1.28 | 1.70E-07 | LINC00603(dist=352704), PTGER4(dist=273902) | intergenic |
| 1 | 67665210 | A | G | rs1569923 | 2.91E-05 | 0.434 | 0.362 | 0.74 | 0.65 - 0.84 | 8.37E-04 | 0.425 | 0.389 | 0.86 | 0.76 - 0.97 | 0.78 | 1.88E-07 | IL23R | intronic |
| 5 | 40419949 | C | G | rs10473192 | 5.84E-04 | 0.334 | 0.387 | 1.26 | 1.11 - 1.44 | 4.48E-05 | 0.333 | 0.393 | 1.30 | 1.15 - 1.47 | 1.28 | 1.90E-07 | LINC00603(dist=366523), PTGER4(dist=260083) | intergenic |
| 5 | 40426420 | G | T | rs957100 | 5.21E-04 | 0.333 | 0.387 | 1.27 | 1.11 - 1.44 | 5.26E-05 | 0.330 | 0.390 | 1.30 | 1.15 - 1.47 | 1.28 | 1.96E-07 | LINC00603(dist=372994), PTGER4(dist=253612) | intergenic |
| 5 | 40420666 | C | G | rs7705462 | 5.54E-04 | 0.333 | 0.387 | 1.26 | 1.11 - 1.44 | 5.01E-05 | 0.330 | 0.390 | 1.30 | 1.15 - 1.47 | 1.27 | 1.99E-07 | LINC00603(dist=367240), PTGER4(dist=259366) | intergenic |
| 5 | 40419143 | G | C | rs114400949 | 5.40E-04 | 0.333 | 0.387 | 1.26 | 1.11 - 1.44 | 5.21E-05 | 0.330 | 0.391 | 1.30 | 1.15 - 1.47 | 1.27 | 2.01E-07 | LINC00603(dist=365717), PTGER4(dist=260889) | intergenic |
| 5 | 40417841 | C | T | rs2371720 | 5.54E-04 | 0.333 | 0.387 | 1.26 | 1.11 - 1.44 | 5.09E-05 | 0.330 | 0.390 | 1.30 | 1.15 - 1.47 | 1.27 | 2.02E-07 | LINC00603(dist=364415), PTGER4(dist=262191) | intergenic |
| 5 | 40425701 | G | T | rs6451498 | 5.44E-04 | 0.333 | 0.387 | 1.26 | 1.11 - 1.44 | 5.21E-05 | 0.330 | 0.390 | 1.30 | 1.15 - 1.47 | 1.27 | 2.03E-07 | LINC00603(dist=372275), PTGER4(dist=254331) | intergenic |
| 5 | 40425190 | T | G | rs6879489 | 5.09E-04 | 0.333 | 0.387 | 1.27 | 1.11 - 1.44 | 5.61E-05 | 0.331 | 0.391 | 1.30 | 1.15 - 1.47 | 1.28 | 2.03E-07 | LINC00603(dist=371764), PTGER4(dist=254842) | intergenic |
| 5 | 40423280 | G | A | rs7730591 | 5.46E-04 | 0.333 | 0.387 | 1.26 | 1.11 - 1.44 | 5.21E-05 | 0.330 | 0.390 | 1.30 | 1.15 - 1.47 | 1.27 | 2.03E-07 | LINC00603(dist=369854), PTGER4(dist=256752) | intergenic |
| 5 | 40423234 | C | T | rs7716887 | 5.46E-04 | 0.333 | 0.387 | 1.26 | 1.11 - 1.44 | 5.21E-05 | 0.330 | 0.390 | 1.30 | 1.15 - 1.47 | 1.27 | 2.03E-07 | LINC00603(dist=369808), PTGER4(dist=256798) | intergenic |
| 5 | 40422938 | A | C | rs6876242 | 5.50E-04 | 0.333 | 0.387 | 1.26 | 1.11 - 1.44 | 5.20E-05 | 0.330 | 0.391 | 1.30 | 1.15 - 1.47 | 1.27 | 2.05E-07 | LINC00603(dist=369512), PTGER4(dist=257094) | intergenic |
| 5 | 40415067 | C | T | rs1992660 | 5.47E-04 | 0.333 | 0.387 | 1.26 | 1.11 - 1.44 | 5.54E-05 | 0.329 | 0.389 | 1.30 | 1.15 - 1.47 | 1.27 | 2.15E-07 | LINC00603(dist=361641), PTGER4(dist=264965) | intergenic |
| 5 | 40406050 | A | T | rs6890268 | 5.10E-04 | 0.333 | 0.387 | 1.27 | 1.11 - 1.44 | 6.04E-05 | 0.330 | 0.389 | 1.30 | 1.14 - 1.47 | 1.27 | 2.17E-07 | LINC00603(dist=352624), PTGER4(dist=273982) | intergenic |
| 13 | 97645439 | C | T | rs9300381 | 2.50E-03 | 0.072 | 0.052 | 1.40 | 1.08 - 1.8 | 1.09E-05 | 0.080 | 0.049 | 1.71 | 1.36 - 2.15 | 1.68 | 2.42E-07 | OXGR1 | intronic |
| 13 | 97644347 | T | C | rs9584460 | 2.59E-03 | 0.071 | 0.052 | 1.39 | 1.08 - 1.79 | 1.05E-05 | 0.080 | 0.049 | 1.71 | 1.36 - 2.15 | 1.68 | 2.43E-07 | OXGR1 | intronic |
| 5 | 40412944 | T | A | rs10473191 | 5.43E-04 | 0.333 | 0.387 | 1.26 | 1.11 - 1.44 | 6.46E-05 | 0.329 | 0.389 | 1.29 | 1.14 - 1.47 | 1.27 | 2.45E-07 | LINC00603(dist=359518), PTGER4(dist=267088) | intergenic |
| 5 | 124293144 | T | C | rs386692020;rs73782531 | 1.32E-12 | 0.013 | 0.056 | 0.22 | 0.13 - 0.35 | 5.13E-01 | 0.042 | 0.044 | 0.95 | 0.71 - 1.27 | 0.55 | 2.53E-07 | ZNF608(dist=212339), LOC101927421(dist=79380) | intergenic |
| 2 | 130406427 | C | T | rs79146219 | 2.00E-05 | 0.058 | 0.029 | 2.03 | 1.5 - 2.75 | 1.23E-03 | 0.063 | 0.054 | 1.16 | 0.91 - 1.48 | 2.11 | 2.78E-07 | LOC151121(dist=374963), LOC389033(dist=274008) | intergenic |
| 5 | 40391104 | C | T | rs6865484 | 1.06E-03 | 0.303 | 0.350 | 1.24 | 1.09 - 1.42 | 6.02E-05 | 0.298 | 0.358 | 1.31 | 1.15 - 1.49 | 1.27 | 4.50E-07 | LINC00603(dist=337678), PTGER4(dist=288928) | intergenic |
| 16 | 17847781 | G | A | rs28714651 | 1.03E-05 | 0.126 | 0.177 | 0.67 | 0.56 - 0.8 | 3.14E-03 | 0.134 | 0.157 | 0.83 | 0.7 - 0.99 | 0.70 | 4.59E-07 | XFLT1(dist=283043), NPIPA7(dist=563995) | intergenic |
| 5 | 40497604 | G | A | rs4286721 | 2.20E-05 | 0.320 | 0.384 | 1.32 | 1.16 - 1.51 | 4.11E-03 | 0.329 | 0.369 | 1.19 | 1.05 - 1.35 | 1.26 | 8.56E-07 | LINC00603(dist=444178), PTGER4(dist=182428) | intergenic |
| 1 | 34536654 | G | T | rs56094621 | 5.75E-03 | 0.055 | 0.038 | 1.49 | 1.12 - 1.99 | 2.41E-05 | 0.070 | 0.056 | 1.27 | 1.01 - 1.61 | 2.01 | 1.10E-06 | CSMD2 | intronic |
| 14 | 53703764 | T | G | rs61986947 | 2.85E-02 | 0.040 | 0.024 | 1.71 | 1.21 - 2.42 | 3.03E-06 | 0.056 | 0.039 | 1.47 | 1.13 - 1.92 | 1.99 | 1.11E-06 | LOC101927620(dist=79518), MIR5580(dist=711381) | intergenic |
| 19 | 47042336 | A | G | rs2033502 | 5.18E-07 | 0.411 | 0.475 | 1.30 | 1.14 - 1.47 | 5.42E-02 | 0.468 | 0.483 | 1.06 | 0.94 - 1.19 | 1.31 | 1.74E-06 | PPP5D1 | intronic |
| 11 | 12501669 | G | A | rs140147980 | 2.90E-02 | 0.039 | 0.029 | 1.36 | 0.97 - 1.91 | 2.56E-06 | 0.044 | 0.025 | 1.82 | 1.34 - 2.46 | 2.18 | 1.87E-06 | PARVA | intronic |
| 16 | 7598016 | T | C | rs79310683 | 5.31E-06 | 0.024 | 0.054 | 0.43 | 0.3 - 0.62 | 2.03E-02 | 0.034 | 0.046 | 0.72 | 0.52 - 0.98 | 0.58 | 1.99E-06 | RBFOX1 | intronic |
| 21 | 30922000 | G | T | rs9982017 | 5.45E-02 | 0.057 | 0.041 | 0.70 | 0.53 - 0.93 | 1.77E-06 | 0.085 | 0.063 | 0.73 | 0.59 - 0.91 | 0.58 | 2.20E-06 | GRIK1 | intronic |
| 3 | 3359278 | A | rs149630218 | 2.73E-06 | 0.045 | 0.025 | 1.82 | 1.3 - 2.54 | 3.70E-01 | 0.025 | 0.021 | 1.19 | 0.81 - 1.75 | 2.80 | 2.42E-06 | CRBN(dist=137877), LRRN1(dist=481843) | intergenic | |
| 8 | 103659239 | T | G | rs76386016 | 2.74E-02 | 0.034 | 0.027 | 1.27 | 0.89 - 1.81 | 1.13E-06 | 0.038 | 0.021 | 1.82 | 1.31 - 2.53 | 2.44 | 2.50E-06 | ODF1(dist=85994), KLF10(dist=1766) | intergenic |
| 7 | 40781394 | A | G | rs76287267 | 1.93E-06 | 0.038 | 0.022 | 1.76 | 1.23 - 2.52 | 1.20E-01 | 0.025 | 0.028 | 0.89 | 0.61 - 1.29 | 3.72 | 2.55E-06 | SUGCT | intronic |
| 21 | 16799818 | G | A | rs7276764 | 7.76E-03 | 0.277 | 0.314 | 0.87 | 0.73 - 0.96 | 3.01E-05 | 0.276 | 0.320 | 0.81 | 0.71 - 0.92 | 0.76 | 2.59E-06 | NRIP1(dist=362692), USP25(dist=302526) | intergenic |
| 16 | 7598511 | A | G | rs76208214 | 6.57E-06 | 0.025 | 0.055 | 0.45 | 0.31 - 0.64 | 2.17E-02 | 0.034 | 0.047 | 0.72 | 0.53 - 0.98 | 0.59 | 2.83E-06 | RBFOX1 | intronic |
| 6 | 153755461 | G | A | rs116820590 | 1.11E-02 | 0.042 | 0.029 | 1.43 | 1.03 - 1.99 | 2.68E-05 | 0.040 | 0.022 | 1.85 | 1.35 - 2.54 | 2.09 | 3.09E-06 | MIR7641-2(dist=13800), OPRM1(dist=576170) | intergenic |
| 1 | 57229583 | T | C | rs17114291 | 5.83E-02 | 0.041 | 0.032 | 1.28 | 0.93 - 1.78 | 2.55E-06 | 0.065 | 0.045 | 1.47 | 1.15 - 1.88 | 2.07 | 3.72E-06 | C1orf168 | intronic |
| 16 | 7597886 | A | T | rs80029446 | 7.09E-06 | 0.026 | 0.056 | 0.45 | 0.31 - 0.64 | 2.82E-02 | 0.035 | 0.048 | 0.73 | 0.54 - 1 | 0.59 | 3.87E-06 | RBFOX1 | intronic |
| 2 | 25145173 | T | A | rs59086897 | 9.54E-03 | 0.192 | 0.204 | 1.08 | 0.92 - 1.26 | 4.54E-05 | 0.199 | 0.259 | 1.41 | 1.22 - 1.63 | 1.33 | 4.00E-06 | ADCY3(dist=3118), DNAJC27(dist=21332) | intergenic |
| 1 | 67630341 | A | T | rs10889663 | 2.50E-02 | 0.299 | 0.331 | 0.87 | 0.76 - 0.99 | 1.19E-05 | 0.266 | 0.313 | 0.80 | 0.7 - 0.91 | 0.76 | 4.11E-06 | C1orf141(dist=29687), IL23R(dist=1828) | intergenic |
| 13 | 97664072 | A | G | rs9584468 | 1.84E-02 | 0.078 | 0.061 | 1.29 | 1.01 - 1.64 | 1.73E-05 | 0.083 | 0.052 | 1.64 | 1.32 - 2.05 | 1.55 | 4.16E-06 | OXGR1(dist=17468), LINC00456(dist=160564) | intergenic |
| 4 | 7057106 | G | C | rs10937782 | 4.13E-05 | 0.424 | 0.489 | 1.33 | 1.17 - 1.5 | 1.40E-02 | 0.436 | 0.459 | 1.10 | 0.98 - 1.24 | 1.23 | 4.26E-06 | TADA2B(NM_152293;c.*325G>C) | UTR3 |
| 6 | 167541624 | T | C | rs41414848 | 2.88E-02 | 0.069 | 0.099 | 0.76 | 0.6 - 0.96 | 7.09E-06 | 0.068 | 0.068 | 0.58 | 0.44 - 0.77 | 0.64 | 4.42E-06 | CCR6 | intronic |
| 18 | 72212314 | C | A | rs147038768 | 4.64E-06 | 0.039 | 0.023 | 1.69 | 1.19 - 2.41 | 6.45E-01 | 0.027 | 0.028 | 0.98 | 0.68 - 1.41 | 3.38 | 4.70E-06 | CNDP1 | intronic |
| 3 | 64033043 | C | T | rs42456 | 1.25E-01 | 0.376 | 0.361 | 0.94 | 0.82 - 1.06 | 1.14E-06 | 0.423 | 0.358 | 0.76 | 0.68 - 0.86 | 0.80 | 4.93E-06 | PSMD6(dist=23357), PRICKLE2-AS1(dist=20597) | intergenic |
| 13 | 97686626 | G | A | rs34085302 | 1.82E-02 | 0.076 | 0.060 | 1.30 | 1.02 - 1.66 | 2.98E-05 | 0.085 | 0.054 | 1.63 | 1.31 - 2.04 | 1.53 | 5.26E-06 | OXGR1(dist=40022), LINC00456(dist=138010) | intergenic |
| 21 | 16800087 | C | T | rs7278277 | 1.85E-02 | 0.517 | 0.473 | 0.84 | 0.74 - 0.95 | 2.79E-05 | 0.516 | 0.476 | 0.85 | 0.76 - 0.96 | 0.78 | 5.49E-06 | NRIP1(dist=362961), USP25(dist=302257) | intergenic |
| 4 | 106934908 | A | C | rs6854424 | 3.60E-05 | 0.055 | 0.033 | 1.71 | 1.27 - 2.3 | 2.75E-02 | 0.041 | 0.028 | 1.47 | 1.08 - 1.99 | 1.85 | 5.86E-06 | LOC101929577, TBCK (dist=30566) | ncRNA_intronic |
| 2 | 46188077 | G | C | rs6728240 | 4.04E-06 | 0.076 | 0.048 | 1.62 | 1.26 - 2.09 | 7.54E-01 | 0.056 | 0.054 | 1.05 | 0.81 - 1.35 | 2.14 | 6.05E-06 | PRKCE | intronic |
| 1 | 183168489 | G | A | rs77484529 | 5.66E-05 | 0.047 | 0.030 | 1.60 | 1.16 - 2.2 | 1.59E-02 | 0.044 | 0.032 | 1.39 | 1.04 - 1.87 | 1.98 | 6.16E-06 | LAMC2 | intronic |
| 12 | 22992646 | A | C | rs7133927 | 3.12E-05 | 0.435 | 0.363 | 0.74 | 0.65 - 0.84 | 2.34E-02 | 0.425 | 0.404 | 0.92 | 0.82 - 1.03 | 0.80 | 6.54E-06 | ETNK1(dist=149038), LOC101928441(dist=335924) | intergenic |
| 12 | 22992778 | A | T | rs2433643 | 3.42E-05 | 0. | | | | | | | | | | | | |

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|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 12 | 22992061 | A | C | rs2466871 | 2.29E-05 | 0.449 | 0.378 | 0.74 | 0.66 | -0.84 | 3.64E-02 | 0.439 | 0.421 | 0.93 | 0.82 | -1.04 | 0.80 | 9.22E-06 | ETNK1(dist=148453), LOC101928441(dist=336509) | intergenic |
| 16 | 7598054 | T | C | rs17144095 | 2.26E-05 | 0.031 | 0.059 | 0.51 | 0.36 | -0.71 | 2.84E-02 | 0.035 | 0.047 | 0.73 | 0.54 | -1 | 0.60 | 9.26E-06 | RBFOX1 | intronic |
| 6 | 17086207 | A | G | rs9396749 | 4.50E-02 | 0.318 | 0.336 | 1.08 | 0.95 | -1.24 | 1.54E-05 | 0.307 | 0.380 | 1.39 | 1.22 | -1.57 | 1.24 | 9.37E-06 | ATXN1(dist=324486), STMND1(dist=16282) | intergenic |
| 8 | 103642111 | G | A | rs6998910 | 3.54E-02 | 0.033 | 0.026 | 1.27 | 0.88 | -1.82 | 6.43E-06 | 0.037 | 0.022 | 1.76 | 1.27 | -2.44 | 2.32 | 9.42E-06 | ODF1(dist=68866), KLF10(dist=18894) | intergenic |
| 13 | 97665992 | G | T | rs9582096 | 2.84E-02 | 0.077 | 0.061 | 1.28 | 1.01 | -1.63 | 3.15E-05 | 0.085 | 0.054 | 1.64 | 1.31 | -2.04 | 1.51 | 9.62E-06 | OXGR1(dist=19388), LINC00456(dist=158644) | intergenic |
| 12 | 22992924 | G | A | rs2466873 | 2.78E-05 | 0.437 | 0.365 | 0.74 | 0.65 | -0.84 | 3.42E-02 | 0.432 | 0.413 | 0.93 | 0.82 | -1.04 | 0.80 | 9.98E-06 | ETNK1(dist=149316), LOC101928441(dist=335646) | intergenic |
| 6 | 17085812 | C | G | rs9477319 | 4.46E-02 | 0.318 | 0.336 | 1.08 | 0.95 | -1.24 | 1.72E-05 | 0.307 | 0.380 | 1.38 | 1.22 | -1.57 | 1.23 | 1.01E-05 | ATXN1(dist=324091), STMND1(dist=16677) | intergenic |
| 19 | 20413113 | A | G | rs2336216 | 7.09E-02 | 0.306 | 0.289 | 1.09 | 0.95 | -1.25 | 6.23E-06 | 0.309 | 0.251 | 1.34 | 1.18 | -1.52 | 1.27 | 1.01E-05 | ZNF486(dist=101814), MIR1270(dist=96968) | intergenic |
| 10 | 51465920 | G | A | rs4043622 | 1.97E-06 | 0.241 | 0.183 | 1.42 | 1.22 | -1.64 | 8.56E-01 | 0.222 | 0.232 | 0.95 | 0.82 | -1.09 | 1.75 | 1.06E-05 | AGAP7P | ncRNA_exonic |
| 13 | 97668063 | A | G | rs10161685 | 2.98E-02 | 0.077 | 0.061 | 1.28 | 1 | -1.63 | 3.31E-05 | 0.085 | 0.054 | 1.64 | 1.31 | -2.04 | 1.50 | 1.06E-05 | OXGR1(dist=21459), LINC00456(dist=156573) | intergenic |
| 12 | 22992324 | A | T | rs540752718;rs2466872 | 3.31E-05 | 0.448 | 0.377 | 0.75 | 0.66 | -0.85 | 3.39E-02 | 0.438 | 0.418 | 0.92 | 0.82 | -1.04 | 0.80 | 1.07E-05 | ETNK1(dist=148716), LOC101928441(dist=336246) | intergenic |
| 2 | 225867366 | A | G | rs281527 | 4.66E-05 | 0.059 | 0.085 | 1.48 | 1.15 | -1.9 | 1.75E-02 | 0.084 | 0.108 | 1.31 | 1.06 | -1.61 | 1.46 | 1.10E-05 | DOCK10 | intronic |
| 13 | 97682894 | T | G | rs11069252 | 3.21E-02 | 0.076 | 0.061 | 1.27 | 1 | -1.62 | 2.89E-05 | 0.085 | 0.054 | 1.64 | 1.31 | -2.04 | 1.51 | 1.11E-05 | OXGR1(dist=36290), LINC00456(dist=141742) | intergenic |
| 13 | 97675959 | C | T | rs12858533 | 3.22E-02 | 0.076 | 0.061 | 1.27 | 1 | -1.62 | 2.89E-05 | 0.085 | 0.054 | 1.64 | 1.31 | -2.04 | 1.51 | 1.11E-05 | OXGR1(dist=29355), LINC00456(dist=148677) | intergenic |
| 12 | 22993140 | A | G | rs2466875 | 3.45E-05 | 0.434 | 0.363 | 0.74 | 0.65 | -0.84 | 3.37E-02 | 0.427 | 0.408 | 0.92 | 0.82 | -1.04 | 0.80 | 1.15E-05 | ETNK1(dist=149532), LOC101928441(dist=335430) | intergenic |
| 13 | 97672631 | C | G | rs16953799 | 3.20E-02 | 0.076 | 0.061 | 1.27 | 1 | -1.62 | 3.28E-05 | 0.085 | 0.054 | 1.64 | 1.31 | -2.04 | 1.50 | 1.16E-05 | OXGR1(dist=26027), LINC00456(dist=152005) | intergenic |
| 12 | 22992839 | A | T | rs2467461 | 5.39E-05 | 0.439 | 0.370 | 0.75 | 0.66 | -0.85 | 2.56E-02 | 0.429 | 0.408 | 0.92 | 0.82 | -1.03 | 0.80 | 1.17E-05 | ETNK1(dist=149231), LOC101928441(dist=335731) | intergenic |
| 13 | 97684904 | C | T | rs9584472 | 3.29E-02 | 0.076 | 0.061 | 1.27 | 1 | -1.62 | 3.17E-05 | 0.084 | 0.053 | 1.63 | 1.31 | -2.04 | 1.50 | 1.22E-05 | OXGR1(dist=38300), LINC00456(dist=139732) | intergenic |
| 1 | 172869082 | C | T | rs4916198 | 7.23E-02 | 0.402 | 0.380 | 1.10 | 0.97 | -1.24 | 8.11E-06 | 0.433 | 0.368 | 1.31 | 1.17 | -1.48 | 1.23 | 1.26E-05 | FASLG(dist=233070), TNFSF18(dist=141278) | intergenic |
| 13 | 97692264 | A | G | rs35152259 | 3.47E-02 | 0.076 | 0.061 | 1.27 | 1 | -1.62 | 3.04E-05 | 0.085 | 0.054 | 1.63 | 1.31 | -2.03 | 1.50 | 1.27E-05 | OXGR1(dist=45660), LINC00456(dist=132372) | intergenic |
| 1 | 172866404 | T | C | rs12747422 | 3.34E-02 | 0.440 | 0.413 | 1.12 | 0.99 | -1.27 | 3.40E-05 | 0.464 | 0.403 | 1.28 | 1.14 | -1.44 | 1.23 | 1.27E-05 | FASLG(dist=230392), TNFSF18(dist=143956) | intergenic |
| 2 | 18448654 | G | T | rs10206460 | 5.21E-02 | 0.261 | 0.240 | 1.12 | 0.97 | -1.29 | 8.72E-06 | 0.269 | 0.208 | 1.40 | 1.22 | -1.6 | 1.27 | 1.30E-05 | KCNS3(dist=334429), RDH14(dist=287335) | intergenic |
| 12 | 22992389 | C | T | rs2467463 | 3.83E-05 | 0.449 | 0.379 | 0.75 | 0.66 | -0.85 | 8.38E-02 | 0.441 | 0.423 | 0.93 | 0.82 | -1.04 | 0.80 | 1.38E-05 | ETNK1(dist=148781), LOC101928441(dist=336181) | intergenic |
| 19 | 13719658 | C | T | rs114463198 | 7.50E-06 | 0.042 | 0.027 | 1.59 | 1.14 | -2.23 | 6.91E-01 | 0.024 | 0.023 | 1.02 | 0.69 | -1.5 | 3.14 | 1.39E-05 | CACNA1A(dist=102384), CCDC130(dist=139095) | intergenic |
| 6 | 142261391 | G | A | rs6920050 | 4.66E-02 | 0.271 | 0.299 | 0.87 | 0.76 | -1 | 2.32E-05 | 0.234 | 0.291 | 0.75 | 0.65 | -0.85 | 0.80 | 1.41E-05 | MIR4465(dist=1256371), NMBR(dist=135354) | intergenic |
| 15 | 99691010 | C | T | rs76019185 | 7.12E-02 | 0.049 | 0.065 | 0.75 | 0.57 | -0.99 | 1.83E-05 | 0.035 | 0.062 | 0.54 | 0.4 | -0.73 | 0.66 | 1.51E-05 | TTC23 | intronic |
| 2 | 225870493 | T | C | rs2940191 | 3.51E-05 | 0.058 | 0.083 | 1.48 | 1.15 | -1.91 | 2.59E-02 | 0.082 | 0.104 | 1.30 | 1.06 | -1.61 | 1.46 | 1.52E-05 | DOCK10 | intronic |
| 10 | 64649344 | A | T | rs76420112 | 5.16E-06 | 0.116 | 0.170 | 0.64 | 0.53 | -0.77 | 4.17E-02 | 0.131 | 0.146 | 0.88 | 0.74 | -1.05 | 0.74 | 1.54E-05 | EGR2(dist=70417), NRBF2(dist=243663) | intergenic |
| 20 | 3213378 | A | T | rs56660907 | 4.62E-02 | 0.093 | 0.081 | 1.16 | 0.94 | -1.45 | 2.47E-05 | 0.104 | 0.069 | 1.56 | 1.28 | -1.91 | 1.46 | 1.58E-05 | SLC4A11 | intronic |
| 2 | 225866829 | A | G | rs281528 | 3.99E-05 | 0.055 | 0.080 | 1.51 | 1.16 | -1.95 | 2.55E-02 | 0.081 | 0.103 | 1.31 | 1.06 | -1.62 | 1.46 | 1.58E-05 | DOCK10 | intronic |
| 11 | 5400971 | G | A | rs7948662 | 3.50E-02 | 0.322 | 0.354 | 0.87 | 0.76 | -0.99 | 5.42E-05 | 0.284 | 0.336 | 0.78 | 0.69 | -0.89 | 0.81 | 1.64E-05 | OR51B5 | intronic |
| 12 | 23081130 | G | A | rs2467108 | 3.78E-05 | 0.265 | 0.201 | 1.44 | 1.24 | -1.66 | 3.25E-02 | 0.257 | 0.245 | 1.07 | 0.93 | -1.22 | 1.28 | 1.65E-05 | ETNK1(dist=237522), LOC101928441(dist=247440) | intergenic |
| 15 | 90482594 | A | T | rs7169779 | 2.29E-05 | 0.059 | 0.039 | 1.52 | 1.15 | -2.02 | 2.48E-01 | 0.065 | 0.069 | 0.94 | 0.74 | -1.19 | 2.25 | 1.71E-05 | C15orf38-AP3S2(dist=26372), ZNF710(dist=62129) | intergenic |
| 6 | 142259390 | A | G | rs9389957 | 5.59E-02 | 0.276 | 0.303 | 0.88 | 0.76 | -1.01 | 2.12E-05 | 0.239 | 0.296 | 0.75 | 0.65 | -0.85 | 0.81 | 1.73E-05 | MIR4465(dist=1254370), NMBR(dist=137355) | intergenic |
| 6 | 142265773 | A | G | rs1252586 | 5.96E-02 | 0.275 | 0.302 | 0.88 | 0.76 | -1.01 | 1.90E-05 | 0.238 | 0.296 | 0.74 | 0.65 | -0.85 | 0.81 | 1.74E-05 | MIR4465(dist=1260753), NMBR(dist=130972) | intergenic |
| 6 | 142264851 | T | A | rs9399390 | 5.94E-02 | 0.275 | 0.302 | 0.88 | 0.76 | -1.01 | 1.91E-05 | 0.238 | 0.296 | 0.74 | 0.65 | -0.85 | 0.81 | 1.74E-05 | MIR4465(dist=1259831), NMBR(dist=131894) | intergenic |
| 6 | 142263542 | A | G | rs9373330 | 5.91E-02 | 0.275 | 0.302 | 0.88 | 0.76 | -1.01 | 1.93E-05 | 0.238 | 0.296 | 0.74 | 0.65 | -0.85 | 0.81 | 1.74E-05 | MIR4465(dist=1258522), NMBR(dist=133203) | intergenic |
| 3 | 105002806 | A | G | rs114417536 | 1.09E-05 | 0.075 | 0.046 | 1.67 | 1.29 | -2.16 | 1.11E-01 | 0.060 | 0.048 | 1.26 | 0.98 | -1.63 | 1.58 | 1.76E-05 | MIR548A3(dist=1056701), ALCAM(dist=82751) | intergenic |
| 3 | 105006813 | C | T | rs115537295 | 1.09E-05 | 0.075 | 0.046 | 1.67 | 1.29 | -2.16 | 1.11E-01 | 0.060 | 0.048 | 1.26 | 0.98 | -1.63 | 1.58 | 1.77E-05 | MIR548A3(dist=1060708), ALCAM(dist=78744) | intergenic |
| 6 | 142268395 | T | C | rs4486039 | 6.55E-02 | 0.279 | 0.306 | 0.88 | 0.77 | -1.01 | 1.65E-05 | 0.241 | 0.300 | 0.74 | 0.65 | -0.85 | 0.81 | 1.79E-05 | MIR4465(dist=1263375), NMBR(dist=128350) | intergenic |
| 6 | 142262201 | A | T | rs1819569 | 6.02E-02 | 0.275 | 0.302 | 0.88 | 0.77 | -1.01 | 1.97E-05 | 0.238 | 0.296 | 0.74 | 0.65 | -0.85 | 0.81 | 1.80E-05 | MIR4465(dist=1257181), NMBR(dist=134544) | intergenic |
| 2 | 18420493 | A | G | rs13422960 | 1.90E-01 | 0.189 | 0.183 | 1.04 | 0.89 | -1.22 | 8.48E-07 | 0.229 | 0.168 | 1.47 | 1.27 | -1.7 | 1.29 | 1.81E-05 | KCNS3(dist=306268), RDH14(dist=315496) | intergenic |
| 13 | 106143855 | C | T | rs12864685 | 4.26E-01 | 0.050 | 0.046 | 1.08 | 0.81 | -1.44 | 1.33E-05 | 0.052 | 0.041 | 1.26 | 0.96 | -1.65 | 2.77 | 1.85E-05 | DAOA-AS1 | ncRNA_intronic |
| 6 | 142245981 | T | C | rs9376660 | 4.84E-02 | 0.277 | 0.305 | 0.87 | 0.76 | -1 | 3.08E-05 | 0.243 | 0.299 | 0.75 | 0.66 | -0.86 | 0.81 | 1.90E-05 | MIR4465(dist=1240961), NMBR(dist=150764) | intergenic |
| 3 | 171166960 | G | T | rs55923799 | 5.54E-01 | 0.034 | 0.036 | 0.94 | 0.67 | -1.32 | 1.85E-05 | 0.044 | 0.031 | 1.45 | 1.08 | -1.95 | 3.21 | 1.92E-05 | TNIK | intronic |
| 15 | 99683043 | G | A | rs75392556 | 7.98E-02 | 0.050 | 0.065 | 0.76 | 0.58 | -0.99 | 2.05E-05 | 0.034 | 0.062 | 0.54 | 0.4 | -0.73 | 0.67 | 1.98E-05 | TTC23 | intronic |
| 1 | 172868751 | C | T | rs35715673 | 7.36E-02 | 0.413 | 0.390 | 1.10 | 0.97 | -1.25 | 1.43E-05 | 0.445 | 0.380 | 1.31 | 1.16 | -1.47 | 1.22 | 1.98E-05 | FASLG(dist=232739), TNFSF18(dist=141609) | intergenic |
| 1 | 67672911 | C | T | rs7539643 | 4.85E-02 | 0.280 | 0.249 | 1.17 | 1.02 | -1.35 | 3.24E-05 | 0.299 | 0.247 | 1.31 | 1.15 | -1.49 | 1.25 | 2.01E-05 | IL23R | intronic |
| 6 | 142245750 | C | T | rs9389955 | 5.89E-02 | 0.274 | 0.302 | 0.88 | 0.76 | -1 | 2.40E-05 | 0.237 | 0.294 | 0.75 | 0.65 | -0.85 | 0.81 | 2.02E-05 | MIR4465(dist=1240730), NMBR(dist=150995) | intergenic |
| 2 | 103055420 | G | A | rs17027166 | 4.87E-02 | 0.195 | 0.217 | 0.87 | 0.75 | -1.02 | 2.83E-05 | 0.178 | 0.228 | 0.73 | 0.63 | -0.85 | 0.79 | 2.07E-05 | IL18RAP | intronic |
| 1 | 12854930 | T | G | rs2744046 | 7.02E-02 | 0.229 | 0.203 | 1.16 | 1 | -1.35 | 1.46E-05 | 0.242 | 0.202 | 1.26 | 1.1 | -1.45 | 1.30 | 2.13E-05 | PRAMEF1(NM_001294139;c.-58T>G) | UTR5 |
| 11 | 110735980 | T | G | rs11600056 | 2.58E-01 | 0.187 | 0.196 | 0.94 | 0.81 | -1.1 | 7.05E-07 | 0.127 | 0.183 | 0.65 | 0.54 | -0.77 | 0.78 | 2.18E-05 | ARHGAP20(dist=152068), C11orf53(dist=390727) | intergenic |
| 11 | 125621914 | A | C | rs514807 | 7.10E-02 | 0.108 | 0.091 | 1.02 | 0.67 | -1.01 | 2.32E-05 | 0.128 | 0.096 | 0.72 | 0.6 | -0.86 | 0.72 | 2.22E-05 | PATE1(dist=2171), PATE2(dist=24114) | intergenic |
| 2 | 18465890 | G | A | rs6726057 | 2.51E-01 | 0.305 | 0.297 | 1.04 | 0.91 | -1.19 | 4.68E-07 | 0.346 | 0.269 | 1.43 | 1.27 | -1.62 | 1.24 | 2.23E-05 | KCNS3(dist=351665), RDH14(dist=270099) | intergenic |
| 11 | 125621991 | T | C | rs578915 | 7.24E-02 | 0.108 | 0.091 | 0.82 | 0.67 | -1.01 | 2.34E-05 | 0.129 | 0.096 | 0.72 | 0.6 | -0.86 | 0.72 | 2.30E-05 | PATE1(dist=2248), PATE2(dist=24037) | intergenic |
| 6 | 142266402 | A | G | rs9385982 | 5.67E-02 | 0.272 | 0.299 | 0.88 | 0.76 | -1.01 | 3.09E-05 | | | | | | | | | |

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|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|------------|
| 11 | 125621220 | T | C | rs497125 | 7.09E-02 | 0.108 | 0.091 | 0.82 | 0.67 | -1.01 | 2.85E-05 | 0.129 | 0.096 | 0.72 | 0.6 | -0.86 | 0.72 | 2.54E-05 | PATE1(dist=1477), PATE2(dist=24808) | intergenic |
| 1 | 184576687 | A | G | rs10911621 | 3.06E-05 | 0.273 | 0.218 | 1.35 | 1.17 | -1.56 | 5.40E-02 | 0.262 | 0.233 | 1.17 | 1.02 | -1.34 | 1.25 | 2.55E-05 | C1orf21 | intronic |
| 2 | 18448477 | A | G | rs10195586 | 1.32E-01 | 0.121 | 0.108 | 1.13 | 0.93 | -1.37 | 2.93E-06 | 0.146 | 0.101 | 1.52 | 1.28 | -1.8 | 1.36 | 2.55E-05 | KCNS3(dist=334252), RDH14(dist=287512) | intergenic |
| 13 | 109500374 | C | T | rs1475142 | 1.67E-05 | 0.397 | 0.333 | 0.76 | 0.67 | -0.86 | 1.30E-01 | 0.368 | 0.353 | 0.94 | 0.83 | -1.06 | 0.80 | 2.55E-05 | MYO16 | intronic |
| 15 | 99693488 | T | G | rs116407582 | 9.41E-02 | 0.051 | 0.065 | 0.77 | 0.59 | -1.01 | 2.23E-05 | 0.036 | 0.064 | 0.55 | 0.41 | -0.74 | 0.67 | 2.60E-05 | TTC23 | intronic |
| 2 | 110263094 | A | T | rs71425251 | 4.35E-02 | 0.080 | 0.066 | 1.23 | 0.98 | -1.56 | 5.25E-05 | 0.109 | 0.082 | 1.38 | 1.14 | -1.67 | 1.54 | 2.69E-05 | SH3RF3 | downstream |
| 2 | 103056096 | A | G | rs56166614 | 6.55E-02 | 0.208 | 0.230 | 0.88 | 0.76 | -1.02 | 2.45E-05 | 0.186 | 0.238 | 0.73 | 0.63 | -0.85 | 0.80 | 2.85E-05 | IL18RAP | intronic |
| 15 | 99717369 | C | T | rs115781951 | 1.09E-01 | 0.053 | 0.068 | 0.77 | 0.59 | -1.01 | 1.83E-05 | 0.039 | 0.067 | 0.56 | 0.42 | -0.75 | 0.68 | 2.92E-05 | TTC23 | intronic |
| 15 | 99700233 | T | G | rs114815684 | 1.16E-01 | 0.050 | 0.063 | 0.77 | 0.59 | -1.02 | 1.79E-05 | 0.035 | 0.063 | 0.54 | 0.4 | -0.73 | 0.67 | 2.97E-05 | TTC23 | intronic |
| 7 | 49756509 | G | A | rs6964816 | 7.21E-02 | 0.048 | 0.040 | 1.21 | 0.9 | -1.64 | 8.67E-06 | 0.055 | 0.033 | 1.72 | 1.31 | -2.25 | 1.74 | 3.05E-05 | CDC14C(dist=789460), VWC2(dist=56748) | intergenic |
| 7 | 49753861 | G | A | rs115617084 | 7.25E-02 | 0.048 | 0.040 | 1.21 | 0.9 | -1.63 | 9.11E-06 | 0.055 | 0.033 | 1.71 | 1.3 | -2.24 | 1.74 | 3.10E-05 | CDC14C(dist=786812), VWC2(dist=59396) | intergenic |
| 15 | 99687470 | A | C | rs111601164 | 1.75E-01 | 0.069 | 0.079 | 0.86 | 0.68 | -1.1 | 7.95E-06 | 0.050 | 0.083 | 0.58 | 0.45 | -0.76 | 0.70 | 3.13E-05 | TTC23 | intronic |
| 2 | 103055661 | C | T | rs55645612 | 7.04E-02 | 0.208 | 0.230 | 0.88 | 0.76 | -1.03 | 2.42E-05 | 0.186 | 0.238 | 0.73 | 0.63 | -0.85 | 0.80 | 3.14E-05 | IL18RAP | intronic |
| 3 | 5589614 | A | G | rs72998680 | 1.72E-01 | 0.190 | 0.173 | 1.12 | 0.96 | -1.32 | 7.57E-06 | 0.231 | 0.184 | 1.34 | 1.16 | -1.54 | 1.29 | 3.18E-05 | MIR4790(dist=297674), GRM7-AS3(dist=1084431) | intergenic |
| 1 | 12856982 | A | G | rs1736770 | 7.78E-02 | 0.247 | 0.219 | 1.17 | 1.01 | -1.35 | 2.78E-05 | 0.268 | 0.226 | 1.25 | 1.1 | -1.43 | 1.27 | 3.19E-05 | PRAMEF1 | downstream |
| 15 | 99671806 | G | A | rs115301553 | 1.02E-01 | 0.050 | 0.064 | 0.77 | 0.58 | -1.01 | 2.93E-05 | 0.036 | 0.063 | 0.56 | 0.41 | -0.75 | 0.67 | 3.27E-05 | SYNM | exonic |
| 15 | 99736784 | C | T | rs79418549 | 1.25E-01 | 0.050 | 0.064 | 0.77 | 0.59 | -1.02 | 1.91E-05 | 0.036 | 0.064 | 0.55 | 0.4 | -0.74 | 0.68 | 3.30E-05 | TTC23 | intronic |
| 2 | 103057159 | C | T | rs17027179 | 7.21E-02 | 0.208 | 0.230 | 0.88 | 0.76 | -1.03 | 2.52E-05 | 0.186 | 0.238 | 0.73 | 0.63 | -0.85 | 0.80 | 3.32E-05 | IL18RAP | intronic |
| 15 | 99703039 | C | T | rs140951063 | 1.25E-01 | 0.050 | 0.063 | 0.78 | 0.59 | -1.02 | 1.79E-05 | 0.035 | 0.063 | 0.54 | 0.4 | -0.73 | 0.68 | 3.33E-05 | TTC23 | intronic |
| 11 | 125621696 | T | C | rs516661 | 7.77E-02 | 0.130 | 0.111 | 0.84 | 0.7 | -1.01 | 3.42E-05 | 0.155 | 0.124 | 0.77 | 0.65 | -0.91 | 0.73 | 3.33E-05 | PATE1(dist=1953), PATE2(dist=24332) | intergenic |
| 15 | 99703600 | T | A | rs114667414 | 1.26E-01 | 0.050 | 0.063 | 0.78 | 0.59 | -1.02 | 1.79E-05 | 0.035 | 0.063 | 0.54 | 0.4 | -0.73 | 0.68 | 3.33E-05 | TTC23 | intronic |
| 11 | 100742862 | T | A | rs10750596 | 8.18E-02 | 0.307 | 0.288 | 0.91 | 0.8 | -1.05 | 2.60E-05 | 0.334 | 0.276 | 0.76 | 0.67 | -0.86 | 0.81 | 3.35E-05 | ARHGAP42 | intronic |
| 20 | 12448314 | A | G | rs6041369 | 1.63E-05 | 0.171 | 0.131 | 1.37 | 1.15 | -1.62 | 8.91E-02 | 0.157 | 0.135 | 1.20 | 1.02 | -1.41 | 1.33 | 3.36E-05 | BTBD3(dist=541071), LOC101929486(dist=397538) | intergenic |
| 15 | 99708259 | C | T | rs75280345 | 1.28E-01 | 0.050 | 0.064 | 0.78 | 0.59 | -1.03 | 1.77E-05 | 0.036 | 0.064 | 0.54 | 0.4 | -0.73 | 0.68 | 3.37E-05 | TTC23 | intronic |
| 15 | 99729253 | T | G | rs182263465 | 1.29E-01 | 0.050 | 0.064 | 0.78 | 0.59 | -1.02 | 1.86E-05 | 0.036 | 0.064 | 0.54 | 0.4 | -0.74 | 0.68 | 3.40E-05 | TTC23 | intronic |
| 15 | 99728222 | T | C | rs74760586 | 1.29E-01 | 0.050 | 0.064 | 0.78 | 0.59 | -1.02 | 1.84E-05 | 0.036 | 0.064 | 0.54 | 0.4 | -0.74 | 0.68 | 3.42E-05 | TTC23 | intronic |
| 15 | 99724296 | C | T | rs114556713 | 1.31E-01 | 0.050 | 0.064 | 0.78 | 0.59 | -1.03 | 1.81E-05 | 0.036 | 0.064 | 0.54 | 0.4 | -0.74 | 0.68 | 3.48E-05 | TTC23 | intronic |
| 19 | 20415185 | A | G | rs75343420 | 1.43E-01 | 0.302 | 0.288 | 1.07 | 0.93 | -1.22 | 8.77E-06 | 0.308 | 0.251 | 1.33 | 1.17 | -1.51 | 1.25 | 3.57E-05 | ZNF486(dist=103886), MIR1270(dist=94896) | intergenic |
| 2 | 103058803 | C | T | rs11123927 | 7.60E-02 | 0.208 | 0.229 | 0.88 | 0.76 | -1.03 | 2.60E-05 | 0.186 | 0.237 | 0.73 | 0.63 | -0.85 | 0.80 | 3.64E-05 | IL18RAP | intronic |
| 11 | 100737731 | T | A | rs1943501 | 7.05E-02 | 0.318 | 0.298 | 0.91 | 0.8 | -1.04 | 4.21E-05 | 0.347 | 0.289 | 0.77 | 0.68 | -0.87 | 0.81 | 3.68E-05 | ARHGAP42 | intronic |
| 2 | 103059237 | T | G | rs10490203 | 7.67E-02 | 0.208 | 0.229 | 0.88 | 0.76 | -1.03 | 2.67E-05 | 0.186 | 0.237 | 0.73 | 0.63 | -0.85 | 0.80 | 3.75E-05 | IL18RAP | intronic |
| 11 | 125619227 | G | A | rs568195 | 7.29E-02 | 0.109 | 0.091 | 0.82 | 0.67 | -1 | 4.83E-05 | 0.130 | 0.097 | 0.72 | 0.6 | -0.86 | 0.73 | 3.87E-05 | PATE1(NM_138294:c.*599G>A) | UTR3 |
| 1 | 12857814 | C | T | rs1614814 | 8.88E-02 | 0.247 | 0.220 | 1.16 | 1.01 | -1.35 | 2.98E-05 | 0.267 | 0.225 | 1.25 | 1.1 | -1.43 | 1.26 | 4.00E-05 | PRAMEF1(dist=1037), PRAMEF11(dist=26804) | intergenic |
| 10 | 55226154 | T | G | rs4935440 | 1.16E-01 | 0.104 | 0.085 | 1.25 | 1.02 | -1.55 | 1.17E-05 | 0.108 | 0.080 | 1.40 | 1.15 | -1.69 | 1.45 | 4.02E-05 | MBL2(dist=694694), PCDH15(dist=336379) | intergenic |
| 2 | 18418256 | G | A | rs10206173 | 1.86E-01 | 0.134 | 0.126 | 1.07 | 0.89 | -1.29 | 2.77E-06 | 0.169 | 0.121 | 1.48 | 1.26 | -1.74 | 1.33 | 4.03E-05 | KCNS3(dist=304031), RDH14(dist=317733) | intergenic |
| 5 | 25308266 | G | A | rs191517305 | 5.33E-01 | 0.031 | 0.030 | 1.03 | 0.72 | -1.48 | 2.12E-05 | 0.050 | 0.033 | 1.54 | 1.16 | -2.04 | 2.68 | 4.05E-05 | LOC340107(dist=467574), CDH9(dist=1572443) | intergenic |
| 14 | 85308328 | A | G | rs17120306 | 4.85E-07 | 0.053 | 0.032 | 1.68 | 1.24 | -2.27 | 5.38E-01 | 0.029 | 0.026 | 1.12 | 0.79 | -1.6 | 2.01 | 4.15E-05 | NONE(dist=NONE), LINC00911(dist=551895) | intergenic |
| 2 | 18416928 | C | G | rs11898461 | 1.84E-01 | 0.134 | 0.126 | 1.07 | 0.89 | -1.29 | 2.83E-06 | 0.169 | 0.121 | 1.48 | 1.26 | -1.74 | 1.33 | 4.16E-05 | KCNS3(dist=302703), RDH14(dist=319061) | intergenic |
| 2 | 18421964 | T | G | rs13432352 | 1.92E-01 | 0.134 | 0.126 | 1.07 | 0.89 | -1.29 | 2.63E-06 | 0.169 | 0.121 | 1.48 | 1.26 | -1.74 | 1.33 | 4.21E-05 | KCNS3(dist=307739), RDH14(dist=314025) | intergenic |
| 16 | 87835224 | C | G | rs58424110 | 2.37E-05 | 0.322 | 0.260 | 1.36 | 1.18 | -1.55 | 3.68E-01 | 0.352 | 0.376 | 0.90 | 0.8 | -1.02 | 1.46 | 4.24E-05 | LOC102724467(dist=22470), SLC7A5(dist=28405) | intergenic |
| 2 | 18420372 | T | C | rs13425583 | 1.93E-01 | 0.133 | 0.126 | 1.07 | 0.89 | -1.29 | 2.63E-06 | 0.169 | 0.121 | 1.48 | 1.26 | -1.74 | 1.33 | 4.26E-05 | KCNS3(dist=306147), RDH14(dist=315617) | intergenic |
| 9 | 115701601 | T | C | rs75092738 | 1.32E-01 | 0.033 | 0.026 | 1.28 | 0.89 | -1.83 | 1.01E-05 | 0.050 | 0.031 | 1.65 | 1.24 | -2.18 | 1.90 | 4.28E-05 | SLC46A2(dist=48408), ZNF883(dist=57799) | intergenic |
| 10 | 64477836 | G | A | rs224143 | 6.91E-02 | 0.249 | 0.210 | 0.80 | 0.69 | -0.93 | 6.36E-05 | 0.279 | 0.237 | 0.80 | 0.7 | -0.92 | 0.79 | 4.28E-05 | ZNF365(dist=46065), ADO(dist=86680) | intergenic |
| 3 | 192682466 | G | A | rs184225255 | 4.71E-05 | 0.038 | 0.025 | 1.53 | 1.08 | -2.17 | 7.67E-01 | 0.025 | 0.025 | 1.02 | 0.7 | -1.48 | 3.25 | 4.29E-05 | MB21D2(dist=46516), HRASLS(dist=276451) | intergenic |
| 7 | 49807446 | G | A | rs115230173 | 7.05E-02 | 0.044 | 0.036 | 1.22 | 0.89 | -1.66 | 5.36E-06 | 0.043 | 0.023 | 1.87 | 1.37 | -2.54 | 1.78 | 4.32E-05 | CDC14C(dist=840397), VWC2(dist=5811) | intergenic |
| 13 | 109502665 | A | G | rs9301328 | 1.96E-05 | 0.393 | 0.330 | 0.76 | 0.67 | -0.86 | 1.75E-01 | 0.369 | 0.357 | 0.95 | 0.84 | -1.07 | 0.80 | 4.32E-05 | MYO16 | intronic |
| 1 | 201919674 | C | T | rs2790898 | 2.35E-05 | 0.142 | 0.178 | 0.76 | 0.64 | -0.91 | 8.43E-02 | 0.168 | 0.197 | 0.82 | 0.7 | -0.96 | 0.77 | 4.35E-05 | LMOD1(dist=3958), TIMM17A(dist=4945) | intergenic |
| 7 | 49797890 | T | G | rs143179427 | 3.68E-02 | 0.053 | 0.043 | 1.23 | 0.92 | -1.64 | 4.91E-05 | 0.051 | 0.031 | 1.68 | 1.27 | -2.23 | 1.68 | 4.55E-05 | CDC14C(dist=830841), VWC2(dist=15367) | intergenic |
| 2 | 18404520 | C | T | rs13390392 | 1.78E-01 | 0.133 | 0.125 | 1.07 | 0.89 | -1.29 | 3.79E-06 | 0.171 | 0.123 | 1.47 | 1.25 | -1.72 | 1.33 | 4.57E-05 | KCNS3(dist=290295), RDH14(dist=331469) | intergenic |
| 12 | 22992541 | C | A | rs2433642 | 2.32E-05 | 0.472 | 0.401 | 0.75 | 0.66 | -0.85 | 1.14E-01 | 0.468 | 0.453 | 0.94 | 0.84 | -1.06 | 0.82 | 4.63E-05 | ETNK1(dist=148933), LOC101928441(dist=336029) | intergenic |
| 17 | 78354661 | C | T | rs4889848 | 1.17E-01 | 0.052 | 0.037 | 0.70 | 0.52 | -0.95 | 1.61E-05 | 0.107 | 0.086 | 0.79 | 0.65 | -0.95 | 0.64 | 4.64E-05 | RNF213 | exonic |
| 11 | 115655434 | T | C | rs1393275:rs386757738 | 5.15E-02 | 0.256 | 0.240 | 1.09 | 0.95 | -1.26 | 6.28E-05 | 0.257 | 0.205 | 1.34 | 1.17 | -1.54 | 1.26 | 4.66E-05 | LINC00900(dist=24516), BUD13(dist=963452) | intergenic |
| 17 | 32786450 | A | G | rs12951119 | 4.37E-05 | 0.140 | 0.103 | 1.42 | 1.18 | -1.71 | 1.24E-01 | 0.124 | 0.141 | 0.86 | 0.73 | -1.03 | 1.77 | 4.75E-05 | CCL1(dist=96198), C17orf102(dist=114692) | intergenic |
| 2 | 18411082 | A | T | rs10189664 | 1.85E-01 | 0.134 | 0.126 | 1.07 | 0.89 | -1.29 | 3.48E-06 | 0.169 | 0.121 | 1.48 | 1.26 | -1.73 | 1.33 | 4.78E-05 | KCNS3(dist=296857), RDH14(dist=324907) | intergenic |
| 4 | 8000943 | C | T | rs34336913 | 4.52E-05 | 0.023 | 0.041 | 0.54 | 0.37 | -0.8 | 3.39E-01 | 0.042 | 0.042 | 1.01 | 0.76 | -1.36 | 0.43 | 4.78E-05 | ABLIM2 | intronic |
| 11 | 125609409 | T | A | rs550623 | 7.44E-02 | 0.110 | 0.091 | 0.82 | 0.67 | -1 | 5.89E-05 | 0.128 | 0.096 | 0.73 | 0.61 | -0.87 | 0.74 | 4.83E-05 | ACRV1(dist=58616), PATE1(dist=6779) | intergenic |
| 11 | 125617467 | G | T | rs495356 | 8.23E-02 | 0.108 | 0.091 | 0.82 | 0.67 | -1.01 | 5.31E-05 | 0.129 | 0.097 | 0.72 | 0.6 | -0.87 | 0.74 | 4.84E-05 | PATE1 | intronic |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|--------|-------|------|----------|---|--------------|
| 11 | 125616502 | T | A | rs2553829 | 7.88E-02 | 0.109 | 0.091 | 0.82 | 0.67 | -1.01 | 5.85E-05 | 0.129 | 0.097 | 0.72 | 0.61 | -0.87 | 0.74 | 5.01E-05 | PATE1 | intronic |
| 11 | 125615464 | C | T | rs489063 | 7.74E-02 | 0.110 | 0.092 | 0.82 | 0.67 | -1.01 | 6.15E-05 | 0.129 | 0.097 | 0.73 | 0.61 | -0.87 | 0.74 | 5.03E-05 | PATE1 | upstream |
| 16 | 87818569 | G | A | rs6540080 | 2.85E-05 | 0.125 | 0.082 | 1.61 | 1.31 | -1.96 | 7.82E-01 | 0.149 | 0.160 | 0.92 | 0.78 | -1.09 | 1.74 | 5.05E-05 | LOC102724467(dist=5815), SLC7A5(dist=45060) | intergenic |
| 11 | 125605212 | C | T | rs2553841 | 7.56E-02 | 0.109 | 0.091 | 0.82 | 0.67 | -1 | 6.07E-05 | 0.128 | 0.096 | 0.73 | 0.61 | -0.87 | 0.74 | 5.05E-05 | ACRV1(dist=54419), PATE1(dist=10976) | intergenic |
| 11 | 125614352 | T | C | rs560146 | 7.67E-02 | 0.110 | 0.091 | 0.82 | 0.67 | -1 | 6.11E-05 | 0.128 | 0.097 | 0.73 | 0.61 | -0.87 | 0.74 | 5.10E-05 | ACRV1(dist=63559), PATE1(dist=1836) | intergenic |
| 11 | 125614173 | A | G | rs472524 | 7.63E-02 | 0.110 | 0.091 | 0.82 | 0.67 | -1 | 6.19E-05 | 0.129 | 0.097 | 0.73 | 0.61 | -0.87 | 0.74 | 5.11E-05 | ACRV1(dist=63380), PATE1(dist=2015) | intergenic |
| 10 | 67779314 | T | A | rs114182315 | 2.71E-01 | 0.030 | 0.028 | 1.09 | 0.76 | -1.57 | 5.72E-06 | 0.044 | 0.024 | 1.91 | 1.4 | -2.59 | 1.87 | 5.16E-05 | CTNNA3 | intronic |
| 4 | 58622776 | G | T | rs113284537 | 3.71E-01 | 0.045 | 0.040 | 1.13 | 0.83 | -1.54 | 7.11E-07 | 0.055 | 0.028 | 2.05 | 1.55 | -2.7 | 1.62 | 5.16E-05 | LOC101928851(dist=290624), NONE(dist=NONE) | intergenic |
| 11 | 125603301 | G | A | rs549994 | 7.63E-02 | 0.109 | 0.091 | 0.82 | 0.67 | -1 | 6.18E-05 | 0.128 | 0.096 | 0.73 | 0.61 | -0.87 | 0.74 | 5.18E-05 | ACRV1(dist=52508), PATE1(dist=12887) | intergenic |
| 11 | 5434873 | T | C | rs4910559 | 2.28E-01 | 0.399 | 0.396 | 0.99 | 0.87 | -1.12 | 5.63E-06 | 0.440 | 0.369 | 0.74 | 0.66 | -0.84 | 0.82 | 5.26E-05 | OR51B5 | intronic |
| 19 | 10135284 | T | C | rs2431820 | 3.10E-05 | 0.136 | 0.110 | 1.27 | 1.06 | -1.54 | 6.95E-01 | 0.107 | 0.102 | 1.06 | 0.87 | -1.28 | 1.73 | 5.30E-05 | RDH8(dist=2330), MIR5589(dist=13746) | intergenic |
| 17 | 32115606 | T | C | rs77348305 | 4.96E-05 | 0.055 | 0.032 | 1.74 | 1.29 | -2.34 | 8.37E-01 | 0.059 | 0.063 | 0.93 | 0.73 | -1.19 | 2.43 | 5.39E-05 | ASIC2 | intronic |
| 11 | 125606641 | T | G | rs515840 | 7.93E-02 | 0.110 | 0.091 | 0.82 | 0.67 | -1 | 6.07E-05 | 0.128 | 0.097 | 0.73 | 0.61 | -0.87 | 0.74 | 5.40E-05 | ACRV1(dist=55848), PATE1(dist=9547) | intergenic |
| 2 | 110267222 | G | T | rs71425254 | 7.76E-02 | 0.074 | 0.061 | 1.23 | 0.97 | -1.57 | 5.17E-05 | 0.103 | 0.076 | 1.39 | 1.14 | -1.7 | 1.51 | 5.57E-05 | SH3RF3(dist=5009), SEPT10(dist=33152) | intergenic |
| 15 | 99661412 | T | C | rs76915137 | 1.90E-01 | 0.053 | 0.065 | 0.81 | 0.62 | -1.06 | 1.17E-05 | 0.037 | 0.065 | 0.56 | 0.41 | -0.75 | 0.68 | 5.60E-05 | SYNM | intronic |
| 1 | 12865578 | C | T | rs2819611 | 7.49E-02 | 0.251 | 0.222 | 1.17 | 1.01 | -1.35 | 5.12E-05 | 0.277 | 0.238 | 1.23 | 1.08 | -1.4 | 1.25 | 5.66E-05 | PRAMEF1(dist=8801), PRAMEF11(dist=19040) | intergenic |
| 9 | 14233184 | G | A | rs79603924 | 9.05E-02 | 0.035 | 0.029 | 1.19 | 0.84 | -1.69 | 5.38E-05 | 0.046 | 0.029 | 1.64 | 1.23 | -2.2 | 1.93 | 5.67E-05 | NFIB | intronic |
| 14 | 76477246 | C | A | rs10146195 | 1.56E-01 | 0.225 | 0.211 | 0.92 | 0.79 | -1.07 | 1.94E-05 | 0.263 | 0.220 | 0.79 | 0.69 | -0.91 | 0.77 | 5.69E-05 | IFT43 | intronic |
| 20 | 62412904 | G | A | rs6011110 | 8.71E-02 | 0.268 | 0.245 | 1.13 | 0.98 | -1.3 | 3.90E-05 | 0.290 | 0.241 | 1.28 | 1.13 | -1.46 | 1.25 | 5.82E-05 | ZBTB46 | intronic |
| 2 | 18416404 | G | A | rs11886016 | 2.55E-01 | 0.139 | 0.133 | 1.05 | 0.88 | -1.26 | 1.78E-06 | 0.173 | 0.124 | 1.49 | 1.27 | -1.74 | 1.32 | 5.86E-05 | KCNS3(dist=302179), RDH14(dist=319585) | intergenic |
| 10 | 52717885 | A | G | rs7097894 | 1.04E-05 | 0.248 | 0.178 | 1.53 | 1.32 | -1.77 | 8.26E-02 | 0.240 | 0.233 | 1.04 | 0.9 | -1.19 | 1.30 | 5.90E-05 | A1CF(dist=72450), PRKG1(dist=33026) | intergenic |
| 1 | 172870004 | C | T | rs4145468 | 1.10E-01 | 0.477 | 0.459 | 1.08 | 0.95 | -1.22 | 3.33E-05 | 0.508 | 0.440 | 1.31 | 1.17 | -1.47 | 1.20 | 5.91E-05 | FASLG(dist=233992), TNFSF18(dist=140356) | intergenic |
| 6 | 16771473 | A | G | rs9477215 | 4.44E-05 | 0.102 | 0.079 | 1.33 | 1.07 | -1.64 | 8.74E-01 | 0.075 | 0.075 | 1.00 | 0.8 | -1.25 | 1.92 | 5.94E-05 | ATXN1(dist=9752), STMND1(dist=331016) | intergenic |
| 18 | 54724750 | C | T | rs115482094 | 6.26E-05 | 0.014 | 0.034 | 0.40 | 0.25 | -0.65 | 1.08E-01 | 0.018 | 0.024 | 0.75 | 0.49 | -1.15 | 0.55 | 5.95E-05 | LINC-ROR | ncRNA_exonic |
| 15 | 99763323 | C | T | rs2861374 | 1.28E-01 | 0.054 | 0.068 | 0.78 | 0.6 | -1.01 | 4.42E-05 | 0.038 | 0.065 | 0.56 | 0.42 | -0.75 | 0.69 | 5.96E-05 | ITTC23 | intronic |
| 1 | 172869674 | G | T | rs12025176 | 1.08E-01 | 0.477 | 0.459 | 1.08 | 0.95 | -1.22 | 3.50E-05 | 0.507 | 0.440 | 1.31 | 1.16 | -1.47 | 1.20 | 5.96E-05 | FASLG(dist=233662), TNFSF18(dist=140686) | intergenic |
| 10 | 127750268 | A | G | rs115386251 | 2.99E-06 | 0.040 | 0.021 | 1.93 | 1.35 | -2.76 | 1.31E-01 | 0.036 | 0.028 | 1.29 | 0.94 | -1.78 | 1.92 | 6.16E-05 | ADAM12 | intronic |
| 5 | 5813344 | C | T | rs114394118 | 5.45E-05 | 0.030 | 0.054 | 0.54 | 0.39 | -0.76 | 4.05E-01 | 0.048 | 0.042 | 1.15 | 0.87 | -1.52 | 0.47 | 6.18E-05 | ICE1(dist=322997), FLJ33360(dist=497210) | intergenic |
| 4 | 59451731 | T | C | rs282746 | 2.04E-01 | 0.098 | 0.104 | 0.93 | 0.76 | -1.14 | 1.79E-05 | 0.076 | 0.120 | 0.60 | 0.49 | -1.74 | 0.74 | 6.19E-05 | LOC101928851(dist=119579), NONE(dist=NONE) | intergenic |
| 16 | 85065085 | A | G | rs7499978 | 1.43E-01 | 0.489 | 0.471 | 1.07 | 0.95 | -1.21 | 1.91E-05 | 0.519 | 0.459 | 1.27 | 1.13 | -1.43 | 1.22 | 6.23E-05 | KIAA0513 | intronic |
| 2 | 18397856 | T | A | rs149857943 | 1.90E-01 | 0.132 | 0.125 | 1.07 | 0.89 | -1.28 | 4.63E-06 | 0.166 | 0.119 | 1.47 | 1.25 | -1.73 | 1.33 | 6.23E-05 | KCNS3(dist=283631), RDH14(dist=338133) | intergenic |
| 1 | 172881927 | G | C | rs2187893 | 8.46E-02 | 0.425 | 0.402 | 1.10 | 0.97 | -1.25 | 5.58E-05 | 0.457 | 0.398 | 1.27 | 1.13 | -1.43 | 1.20 | 6.25E-05 | FASLG(dist=245915), TNFSF18(dist=128433) | intergenic |
| 13 | 109500511 | A | G | rs1475141 | 1.77E-05 | 0.399 | 0.334 | 0.76 | 0.67 | -0.86 | 2.33E-01 | 0.372 | 0.361 | 0.95 | 0.84 | -1.07 | 0.81 | 6.28E-05 | MYO16 | intronic |
| 14 | 30730863 | T | C | rs57816211 | 3.63E-01 | 0.035 | 0.042 | 0.82 | 0.59 | -1.14 | 8.13E-07 | 0.013 | 0.036 | 0.35 | 0.22 | -0.58 | 0.61 | 6.31E-05 | PRKD1(dist=333964), G2E3(dist=297466) | intergenic |
| 2 | 18399680 | G | A | rs10178572 | 1.85E-01 | 0.133 | 0.125 | 1.07 | 0.89 | -1.29 | 5.32E-06 | 0.167 | 0.121 | 1.46 | 1.25 | -1.72 | 1.32 | 6.43E-05 | KCNS3(dist=285455), RDH14(dist=336309) | intergenic |
| 2 | 18399568 | A | G | rs386643703;rs10167646 | 1.85E-01 | 0.133 | 0.125 | 1.07 | 0.89 | -1.29 | 5.33E-06 | 0.167 | 0.121 | 1.46 | 1.25 | -1.72 | 1.32 | 6.45E-05 | KCNS3(dist=285343), RDH14(dist=336421) | intergenic |
| 2 | 227296851 | G | A | rs6759304 | 1.82E-05 | 0.319 | 0.376 | 0.78 | 0.68 | -0.89 | 1.37E-01 | 0.374 | 0.398 | 0.90 | 0.8 | -1.02 | 0.81 | 6.48E-05 | LOC646736(dist=252073), MIR5702(dist=226575) | intergenic |
| 14 | 30725099 | T | C | rs57560944 | 3.74E-01 | 0.035 | 0.042 | 0.82 | 0.59 | -1.14 | 7.80E-07 | 0.013 | 0.036 | 0.35 | 0.22 | -0.58 | 0.61 | 6.49E-05 | PRKD1(dist=328200), G2E3(dist=303230) | intergenic |
| 6 | 10467433 | T | A | rs594162 | 2.00E-05 | 0.412 | 0.471 | 0.79 | 0.69 | -0.89 | 1.47E-01 | 0.465 | 0.487 | 0.92 | 0.81 | -1.03 | 0.81 | 6.50E-05 | MIR5689(dist=27406), GCNT2(dist=54135) | intergenic |
| 1 | 184573233 | A | G | rs7517366 | 5.79E-05 | 0.266 | 0.214 | 1.33 | 1.16 | -1.54 | 7.78E-02 | 0.257 | 0.230 | 1.16 | 1.01 | -1.32 | 1.24 | 6.57E-05 | C1orf21 | intronic |
| 13 | 109501412 | C | G | rs7986961 | 1.78E-05 | 0.400 | 0.335 | 0.76 | 0.67 | -0.86 | 2.44E-01 | 0.378 | 0.367 | 0.95 | 0.85 | -1.08 | 0.81 | 6.57E-05 | MYO16 | intronic |
| 2 | 18399164 | C | T | rs10202316 | 1.87E-01 | 0.133 | 0.125 | 1.07 | 0.89 | -1.29 | 5.34E-06 | 0.167 | 0.121 | 1.46 | 1.25 | -1.72 | 1.32 | 6.57E-05 | KCNS3(dist=284939), RDH14(dist=336825) | intergenic |
| 11 | 115655209 | G | C | rs56147711 | 1.15E-01 | 0.230 | 0.220 | 1.06 | 0.91 | -1.23 | 2.81E-05 | 0.245 | 0.191 | 1.37 | 1.2 | -1.58 | 1.25 | 6.59E-05 | LINC00900(dist=24291), BUD13(dist=963677) | intergenic |
| 21 | 16812882 | C | T | rs1736023 | 9.87E-02 | 0.439 | 0.407 | 0.88 | 0.77 | -0.99 | 6.28E-05 | 0.458 | 0.407 | 0.81 | 0.72 | -0.92 | 0.83 | 6.59E-05 | NRIP1(dist=375756), USP25(dist=289462) | intergenic |
| 19 | 20417407 | C | G | rs144647567 | 1.41E-01 | 0.103 | 0.087 | 1.22 | 0.99 | -1.5 | 3.20E-05 | 0.114 | 0.089 | 1.32 | 1.09 | -1.59 | 1.44 | 6.72E-05 | ZNF486(dist=106108), MIR1270(dist=92674) | intergenic |
| 21 | 45861790 | T | C | rs1055540 | 3.98E-05 | 0.142 | 0.108 | 1.37 | 1.14 | -1.65 | 4.89E-01 | 0.131 | 0.133 | 0.99 | 0.83 | -1.18 | 1.72 | 6.74E-05 | TRPM2(NM_003307.c.*90>T) | UTR3 |
| 10 | 51463695 | G | A | rs10995905 | 1.73E-05 | 0.191 | 0.142 | 1.43 | 1.21 | -1.69 | 9.84E-01 | 0.177 | 0.186 | 0.94 | 0.81 | -1.1 | 1.76 | 6.92E-05 | TIMM23B | intronic |
| 12 | 22998968 | A | C | rs2433635 | 1.16E-05 | 0.295 | 0.228 | 0.71 | 0.61 | -0.81 | 1.55E-01 | 0.266 | 0.260 | 0.97 | 0.85 | -1.11 | 0.81 | 6.95E-05 | ETNK1(dist=155360), LOC101928441(dist=329602) | intergenic |
| 4 | 59454403 | A | G | rs282743 | 1.84E-01 | 0.078 | 0.082 | 0.95 | 0.75 | -1.19 | 2.71E-05 | 0.061 | 0.103 | 0.56 | 0.45 | -0.72 | 0.72 | 6.97E-05 | LOC101928851(dist=1122251), NONE(dist=NONE) | intergenic |
| 2 | 227288314 | T | C | rs4569468 | 4.21E-05 | 0.395 | 0.457 | 0.78 | 0.68 | -0.88 | 9.39E-02 | 0.431 | 0.456 | 0.91 | 0.81 | -1.02 | 0.83 | 7.00E-05 | LOC646736(dist=243536), MIR5702(dist=235112) | intergenic |
| 9 | 36138829 | G | T | rs78709825 | 6.61E-07 | 0.085 | 0.055 | 1.61 | 1.27 | -2.05 | 3.99E-01 | 0.066 | 0.056 | 1.17 | 0.92 | -1.49 | 1.52 | 7.04E-05 | GLIPR2 | intronic |
| 15 | 99670804 | G | A | rs114631265 | 1.58E-01 | 0.051 | 0.063 | 0.79 | 0.6 | -1.04 | 2.86E-05 | 0.036 | 0.063 | 0.55 | 0.41 | -0.75 | 0.69 | 7.06E-05 | SYNM | exonic |
| 15 | 89841719 | T | C | rs60942503 | 9.64E-02 | 0.046 | 0.038 | 1.22 | 0.9 | -1.65 | 4.85E-05 | 0.053 | 0.031 | 1.75 | 1.32 | -2.31 | 1.63 | 7.08E-05 | FANCI | intronic |
| 1 | 161975281 | T | C | rs7522269 | 6.18E-05 | 0.414 | 0.352 | 1.30 | 1.14 | -1.47 | 1.58E-01 | 0.416 | 0.422 | 0.97 | 0.86 | -1.1 | 1.43 | 7.12E-05 | OLFML2B | intronic |
| 19 | 20413360 | G | A | rs2878646 | 1.50E-01 | 0.102 | 0.085 | 1.21 | 0.98 | -1.5 | 3.05E-05 | 0.113 | 0.088 | 1.33 | 1.1 | -1.6 | 1.43 | 7.17E-05 | ZNF486(dist=102061), MIR1270(dist=96721) | intergenic |
| 17 | 78401588 | G | T | rs8065290 | 1.84E-01 | 0.054 | 0.043 | 0.77 | 0.58 | -1.03 | 1.12E-05 | 0.101 | 0.081 | 0.79 | 0.65 | -0.96 | 0.62 | 7.29E-05 | ENDOV | intronic |
| 15 | 99659610 | G | A | rs115956252 | 2.21E-01 | 0.053 | 0.064 | 0.82 | 0.62 | -1.07 | 1.15E-05 | 0.037 | 0.065 | 0.55 | 0.41</ | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 15 | 99736024 | C | T | rs80088609 | 1.94E-01 | 0.054 | 0.066 | 0.80 | 0.61 | -1.05 | 2.09E-05 | 0.038 | 0.066 | 0.56 | 0.42 | -0.75 | 0.69 | 7.39E-05 | TTC23 | intronic |
| 21 | 16817938 | G | A | rs2823286 | 2.48E-01 | 0.251 | 0.271 | 0.90 | 0.78 | -1.04 | 4.48E-06 | 0.254 | 0.308 | 0.77 | 0.67 | -0.88 | 0.80 | 7.40E-05 | NRIP1(dist=380812), USP25(dist=284406) | intergenic |
| 2 | 18418031 | T | C | rs10197850;rs386643706 | 8.76E-02 | 0.097 | 0.085 | 1.16 | 0.94 | -1.44 | 3.82E-05 | 0.116 | 0.082 | 1.48 | 1.22 | -1.79 | 1.39 | 7.44E-05 | KCNS3(dist=303806), RDH14(dist=317958) | intergenic |
| 15 | 99661825 | G | C | rs77958135 | 2.07E-01 | 0.053 | 0.064 | 0.81 | 0.62 | -1.07 | 1.45E-05 | 0.037 | 0.065 | 0.56 | 0.41 | -0.75 | 0.69 | 7.45E-05 | SYNM | intronic |
| 15 | 99661005 | C | T | rs74854067 | 2.13E-01 | 0.053 | 0.064 | 0.82 | 0.62 | -1.07 | 1.33E-05 | 0.037 | 0.065 | 0.56 | 0.41 | -0.75 | 0.69 | 7.47E-05 | SYNM | intronic |
| 21 | 16823258 | T | A | rs1736034 | 1.49E-01 | 0.465 | 0.490 | 0.90 | 0.8 | -1.02 | 1.97E-05 | 0.532 | 0.478 | 0.80 | 0.72 | -0.9 | 0.83 | 7.50E-05 | NRIP1(dist=386132), USP25(dist=279086) | intergenic |
| 15 | 99661912 | G | A | rs76819907 | 2.08E-01 | 0.053 | 0.064 | 0.81 | 0.62 | -1.07 | 1.46E-05 | 0.037 | 0.065 | 0.56 | 0.41 | -0.75 | 0.69 | 7.50E-05 | SYNM | intronic |
| 4 | 59434110 | G | A | rs282717 | 2.21E-01 | 0.081 | 0.084 | 1.04 | 0.83 | -1.31 | 1.86E-05 | 0.060 | 0.103 | 1.79 | 1.41 | -2.27 | 1.38 | 7.51E-05 | LOC101928851(dist=1101958), NONE(dist=NONE) | intergenic |
| 16 | 52945636 | G | T | rs1345340 | 3.71E-05 | 0.349 | 0.418 | 1.34 | 1.18 | -1.53 | 9.37E-02 | 0.375 | 0.386 | 1.05 | 0.93 | -1.18 | 1.22 | 7.62E-05 | CASC16(dist=304749), CHD9(dist=143309) | intergenic |
| 15 | 99799110 | A | G | rs115501203 | 1.33E-01 | 0.053 | 0.068 | 0.78 | 0.6 | -1.02 | 5.80E-05 | 0.040 | 0.067 | 0.58 | 0.44 | -0.78 | 0.69 | 7.62E-05 | HSP90B2P | ncRNA_exonic |
| 7 | 14330288 | T | C | rs114260678 | 2.97E-05 | 0.055 | 0.035 | 1.62 | 1.2 | -2.17 | 1.31E-01 | 0.047 | 0.038 | 1.24 | 0.93 | -1.64 | 1.70 | 7.65E-05 | DGKB | intronic |
| 8 | 39046611 | G | A | rs57494041 | 2.06E-01 | 0.093 | 0.087 | 1.07 | 0.86 | -1.33 | 1.22E-05 | 0.118 | 0.081 | 1.51 | 1.25 | -1.83 | 1.42 | 7.68E-05 | ADAM32 | intronic |
| 10 | 15456812 | A | G | rs11259648 | 3.26E-01 | 0.113 | 0.101 | 0.88 | 0.72 | -1.08 | 3.74E-06 | 0.129 | 0.093 | 0.69 | 0.58 | -0.83 | 0.73 | 7.77E-05 | FAM171A1(dist=43754), ITGA8(dist=99136) | intergenic |
| 2 | 18395888 | A | G | rs28686940 | 1.89E-01 | 0.132 | 0.124 | 1.07 | 0.89 | -1.28 | 7.22E-06 | 0.166 | 0.121 | 1.45 | 1.23 | -1.71 | 1.33 | 7.77E-05 | KCNS3(dist=281663), RDH14(dist=340101) | intergenic |
| 17 | 15887010 | C | T | rs11868809 | 9.25E-02 | 0.233 | 0.197 | 1.24 | 1.07 | -1.44 | 3.68E-05 | 0.278 | 0.246 | 1.18 | 1.04 | -1.35 | 1.25 | 7.80E-05 | ZSWIM7 | intronic |
| 2 | 103060300 | T | C | rs4851583 | 1.22E-01 | 0.207 | 0.225 | 0.90 | 0.77 | -1.05 | 3.03E-05 | 0.184 | 0.235 | 0.73 | 0.63 | -0.85 | 0.80 | 7.80E-05 | IL18RAP | intronic |
| 10 | 72729308 | A | G | rs827267 | 1.70E-01 | 0.032 | 0.022 | 1.49 | 1.02 | -2.18 | 2.62E-05 | 0.038 | 0.024 | 1.62 | 1.18 | -2.23 | 2.03 | 7.81E-05 | PCBD1(dist=80765), UNC5B(dist=242984) | intergenic |
| 13 | 109501139 | T | G | rs7983596 | 2.19E-05 | 0.398 | 0.333 | 2.06 | 1.67 | -0.86 | 2.51E-01 | 0.376 | 0.365 | 0.96 | 0.85 | -1.08 | 0.81 | 7.85E-05 | MYO16 | intronic |
| 8 | 66510993 | A | G | rs72664797 | 1.52E-01 | 0.037 | 0.025 | 1.53 | 1.07 | -2.17 | 4.28E-05 | 0.053 | 0.038 | 1.43 | 1.09 | -1.87 | 1.70 | 7.96E-05 | LINC01299(dist=36092), ARMC1(dist=3698) | intergenic |
| 13 | 109501308 | G | A | rs7982866 | 2.25E-05 | 0.398 | 0.333 | 0.76 | 0.67 | -0.86 | 2.52E-01 | 0.376 | 0.365 | 0.96 | 0.85 | -1.08 | 0.81 | 8.01E-05 | MYO16 | intronic |
| 15 | 99746519 | C | T | rs80260407 | 1.82E-01 | 0.054 | 0.068 | 0.79 | 0.61 | -1.03 | 2.91E-05 | 0.038 | 0.066 | 0.56 | 0.42 | -0.75 | 0.70 | 8.05E-05 | TTC23 | intronic |
| 2 | 18420438 | G | T | rs13383629 | 1.11E-01 | 0.100 | 0.088 | 1.14 | 0.93 | -1.41 | 2.68E-05 | 0.122 | 0.085 | 1.49 | 1.24 | -1.79 | 1.38 | 8.05E-05 | KCNS3(dist=306213), RDH14(dist=315551) | intergenic |
| 12 | 23000966 | T | C | rs1863657 | 1.21E-05 | 0.296 | 0.228 | 0.71 | 0.61 | -0.81 | 1.64E-01 | 0.265 | 0.259 | 0.97 | 0.85 | -1.11 | 0.81 | 8.06E-05 | ETNK1(dist=157358), LOC101928441(dist=327604) | intergenic |
| 15 | 99657816 | C | G | rs75842179 | 2.30E-01 | 0.053 | 0.064 | 0.82 | 0.63 | -1.07 | 1.14E-05 | 0.037 | 0.064 | 0.55 | 0.41 | -0.75 | 0.69 | 8.09E-05 | SYNM | intronic |
| 20 | 13343132 | A | C | rs6109828 | 1.72E-01 | 0.097 | 0.090 | 1.09 | 0.88 | -1.34 | 1.53E-05 | 0.116 | 0.088 | 1.37 | 1.13 | -1.65 | 1.52 | 8.12E-05 | ISM1(dist=61835), TASP1(dist=26904) | intergenic |
| 13 | 99084496 | C | T | rs8000488 | 5.68E-05 | 0.266 | 0.208 | 1.38 | 1.19 | -1.59 | 7.26E-01 | 0.240 | 0.242 | 0.99 | 0.86 | -1.13 | 1.38 | 8.22E-05 | FARP1 | intronic |
| 11 | 2699860 | A | G | rs72850276 | 1.84E-05 | 0.138 | 0.102 | 1.41 | 1.17 | -1.7 | 1.50E-01 | 0.112 | 0.095 | 1.19 | 0.99 | -1.44 | 1.35 | 8.43E-05 | KCNQ1OT1 | ncRNA_exonic |
| 11 | 100730087 | A | A | rs661237 | 1.12E-01 | 0.330 | 0.311 | 0.91 | 0.8 | -1.04 | 6.09E-05 | 0.365 | 0.310 | 0.78 | 0.69 | -0.88 | 0.82 | 8.46E-05 | ARHGAP42 | intronic |
| 10 | 56071780 | T | C | rs12776029 | 6.75E-06 | 0.041 | 0.021 | 2.01 | 1.41 | -2.87 | 1.64E-01 | 0.028 | 0.024 | 1.18 | 0.83 | -1.7 | 2.12 | 8.47E-05 | PCDH15 | intronic |
| 2 | 103061147 | G | A | rs11694360 | 1.26E-01 | 0.207 | 0.225 | 0.90 | 0.77 | -1.05 | 3.21E-05 | 0.184 | 0.235 | 0.74 | 0.63 | -0.85 | 0.81 | 8.47E-05 | IL18RAP | intronic |
| 15 | 99655887 | G | A | rs182376189 | 2.26E-01 | 0.054 | 0.065 | 0.82 | 0.63 | -1.07 | 1.29E-05 | 0.037 | 0.064 | 0.56 | 0.41 | -0.75 | 0.69 | 8.68E-05 | SYNM | intronic |
| 15 | 99658182 | T | C | rs74462310 | 2.51E-01 | 0.055 | 0.066 | 0.83 | 0.64 | -1.08 | 1.12E-05 | 0.037 | 0.064 | 0.55 | 0.41 | -0.75 | 0.69 | 8.83E-05 | SYNM | intronic |
| 1 | 184573082 | G | A | rs10911619 | 3.09E-05 | 0.266 | 0.213 | 1.34 | 1.16 | -1.55 | 1.36E-01 | 0.253 | 0.231 | 1.13 | 0.99 | -1.3 | 1.24 | 8.85E-05 | C1orf21 | intronic |
| 1 | 201918527 | T | G | rs2820304 | 1.41E-05 | 0.115 | 0.148 | 0.75 | 0.62 | -0.9 | 1.75E-01 | 0.143 | 0.167 | 0.83 | 0.7 | -0.98 | 0.77 | 9.07E-05 | LMOD1(dist=2811), TIMM17A(dist=6092) | intergenic |
| 11 | 120526576 | C | T | rs116190226 | 1.04E-05 | 0.069 | 0.044 | 1.63 | 1.25 | -2.12 | 2.58E-01 | 0.047 | 0.038 | 1.26 | 0.95 | -1.67 | 1.55 | 9.10E-05 | GRIK4 | intronic |
| 15 | 99744710 | C | T | rs116490776 | 1.82E-01 | 0.054 | 0.068 | 0.79 | 0.61 | -1.03 | 3.46E-05 | 0.038 | 0.066 | 0.56 | 0.41 | -0.75 | 0.70 | 9.11E-05 | TTC23 | intronic |
| 15 | 99744786 | T | G | rs116099345 | 1.82E-01 | 0.054 | 0.068 | 0.79 | 0.61 | -1.03 | 3.46E-05 | 0.038 | 0.066 | 0.56 | 0.41 | -0.75 | 0.70 | 9.11E-05 | TTC23 | intronic |
| 11 | 120526558 | C | T | rs115858321 | 1.04E-05 | 0.069 | 0.044 | 1.63 | 1.25 | -2.12 | 2.58E-01 | 0.047 | 0.038 | 1.26 | 0.95 | -1.67 | 1.55 | 9.11E-05 | GRIK4 | intronic |
| 5 | 34513623 | T | C | rs146299078 | 5.45E-05 | 0.029 | 0.059 | 0.48 | 0.34 | -0.67 | 2.13E-01 | 0.032 | 0.035 | 0.90 | 0.65 | -1.26 | 0.63 | 9.14E-05 | C1QTNF3-AMACR(dist=388990), RAI14(dist=142810) | intergenic |
| 15 | 99746196 | G | A | rs76975778 | 1.82E-01 | 0.054 | 0.068 | 0.79 | 0.61 | -1.03 | 3.50E-05 | 0.038 | 0.066 | 0.56 | 0.41 | -0.75 | 0.70 | 9.18E-05 | TTC23 | intronic |
| 5 | 150585521 | C | G | rs6884144 | 4.75E-05 | 0.111 | 0.156 | 0.68 | 0.56 | -0.82 | 1.22E-01 | 0.127 | 0.136 | 0.92 | 0.78 | -1.1 | 0.75 | 9.22E-05 | CCDC69 | intronic |
| 16 | 51272249 | A | C | rs72791164 | 6.47E-05 | 0.145 | 0.099 | 1.55 | 1.29 | -1.87 | 6.85E-02 | 0.134 | 0.128 | 1.05 | 0.89 | -1.25 | 1.36 | 9.24E-05 | SALL1(dist=87066), LINC01571(dist=524181) | intergenic |
| 15 | 99747822 | C | T | rs148724058 | 1.83E-01 | 0.054 | 0.068 | 0.79 | 0.61 | -1.03 | 3.53E-05 | 0.038 | 0.066 | 0.56 | 0.42 | -0.75 | 0.70 | 9.26E-05 | TTC23 | intronic |
| 15 | 99648572 | A | C | rs372475451;rs74659359 | 1.85E-01 | 0.055 | 0.067 | 0.81 | 0.62 | -1.06 | 2.42E-05 | 0.038 | 0.064 | 0.58 | 0.43 | -0.78 | 0.69 | 9.31E-05 | SYNM | intronic |
| 4 | 58609794 | A | G | rs111936752 | 3.46E-01 | 0.051 | 0.046 | 1.12 | 0.84 | -1.5 | 2.58E-06 | 0.061 | 0.032 | 1.92 | 1.48 | -2.5 | 1.55 | 9.33E-05 | LOC101928851(dist=277642), NONE(dist=NONE) | intergenic |
| 4 | 58610780 | C | T | rs145949331 | 3.47E-01 | 0.051 | 0.046 | 1.12 | 0.84 | -1.49 | 2.58E-06 | 0.061 | 0.032 | 1.92 | 1.48 | -2.5 | 1.55 | 9.38E-05 | LOC101928851(dist=278628), NONE(dist=NONE) | intergenic |
| 14 | 30717422 | T | G | rs60524689 | 4.50E-01 | 0.036 | 0.042 | 0.84 | 0.61 | -1.16 | 7.74E-07 | 0.013 | 0.036 | 0.36 | 0.22 | -0.58 | 0.62 | 9.39E-05 | PRKD1(dist=320523), G2E3(dist=310907) | intergenic |
| 4 | 189474647 | A | G | rs13132574 | 2.01E-05 | 0.077 | 0.050 | 1.57 | 1.22 | -2.02 | 2.12E-01 | 0.068 | 0.060 | 1.14 | 0.9 | -1.45 | 1.54 | 9.40E-05 | LINC01060 | ncRNA_intronic |
| 4 | 58611479 | C | T | rs4865276 | 3.48E-01 | 0.051 | 0.046 | 1.12 | 0.84 | -1.49 | 2.57E-06 | 0.061 | 0.032 | 1.92 | 1.48 | -2.5 | 1.55 | 9.41E-05 | LOC101928851(dist=279327), NONE(dist=NONE) | intergenic |
| 19 | 20398720 | C | A | rs59326174 | 3.81E-01 | 0.286 | 0.283 | 1.02 | 0.89 | -1.17 | 4.09E-06 | 0.315 | 0.255 | 1.34 | 1.18 | -1.53 | 1.23 | 9.42E-05 | ZNF486(dist=87421), MIR1270(dist=111361) | intergenic |
| 2 | 18447945 | G | A | rs6754763 | 3.96E-01 | 0.345 | 0.339 | 1.03 | 0.9 | -1.17 | 1.33E-06 | 0.379 | 0.305 | 1.39 | 1.23 | -1.57 | 1.21 | 9.49E-05 | KCNS3(dist=333720), RDH14(dist=288044) | intergenic |
| 15 | 99668489 | G | A | rs78996612 | 1.94E-01 | 0.052 | 0.063 | 0.81 | 0.62 | -1.06 | 2.70E-05 | 0.036 | 0.063 | 0.55 | 0.41 | -0.75 | 0.69 | 9.50E-05 | SYNM | intronic |
| 4 | 59451567 | G | A | rs282747 | 2.79E-01 | 0.092 | 0.096 | 0.96 | 0.77 | -1.18 | 1.60E-05 | 0.071 | 0.116 | 0.58 | 0.47 | -0.73 | 0.75 | 9.55E-05 | LOC101928851(dist=1119415), NONE(dist=NONE) | intergenic |
| 7 | 78985139 | G | A | rs7784630 | 2.03E-01 | 0.067 | 0.060 | 1.12 | 0.84 | -1.44 | 9.96E-06 | 0.083 | 0.054 | 1.60 | 1.28 | -1.99 | 1.49 | 9.84E-05 | MAGI2 | intronic |
| 7 | 78989040 | A | G | rs77292209;rs372478728 | 1.61E-01 | 0.067 | 0.059 | 1.14 | 0.89 | -1.47 | 1.63E-05 | 0.082 | 0.053 | 1.57 | 1.26 | -1.97 | 1.49 | 9.87E-05 | MAGI2 | intronic |
| 19 | 6570174 | T | C | rs345602 | 6.01E-05 | 0.279 | 0.328 | 1.23 | 1.07 | -1.41 | 7.34E-01 | 0.304 | 0.314 | 1.05 | 0.92 | -1.19 | 1.40 | 9.88E-05 | TNFSF9(dist=34235), CD70(dist=15676) | intergenic |
| 9 | 115700318 | C | T | rs116032311 | 1.70E-01 | 0.035 | 0.028 | 1.26 | 0.89 | -1.8 | 9.71E-06 | 0.050 | 0.031 | 1.64 | 1.24 | -2.18 | 1.79 | 9.98E-05 | SLC46A2(dist=47125), ZNF883(dist=59082) | intergenic |
| 9 | 115700569 | G | C | rs145296266 | 1.70E-01 | 0.035 | 0.028 | 1.26 | 0.89 | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 2 | 18452130 | T | A | rs10211036 | 1.73E-01 | 0.115 | 0.104 | 1.12 | 0.92 | -1.37 | 1.62E-05 | 0.135 | 0.094 | 1.50 | 1.26 | -1.79 | 1.33 | 1.08E-04 | KCNS3(dist=337905), RDH14(dist=283859) | intergenic |
| 2 | 18484682 | A | C | rs10153852 | 1.44E-01 | 0.289 | 0.278 | 1.06 | 0.92 | -1.21 | 2.15E-05 | 0.306 | 0.243 | 1.38 | 1.21 | -1.57 | 1.23 | 1.09E-04 | KCNS3(dist=370457), RDH14(dist=251307) | intergenic |
| 8 | 50846956 | G | A | rs74546587 | 1.16E-01 | 0.067 | 0.057 | 1.18 | 0.91 | -1.52 | 6.03E-05 | 0.081 | 0.058 | 1.45 | 1.16 | -1.81 | 1.51 | 1.09E-04 | SNVTG1 | intronic |
| 10 | 51467783 | T | C | rs61850065 | 2.94E-05 | 0.257 | 0.201 | 1.37 | 1.18 | -1.59 | 6.65E-01 | 0.239 | 0.252 | 0.93 | 0.81 | -1.07 | 1.57 | 1.09E-04 | ACAP7P | ncRNA_intronic |
| 9 | 21342332 | G | A | rs4526448 | 1.60E-01 | 0.270 | 0.256 | 0.93 | 0.81 | -1.07 | 4.72E-05 | 0.289 | 0.238 | 0.77 | 0.68 | -0.88 | 0.81 | 1.10E-04 | KLHL9(dist=6903), IFNA6(dist=7985) | intergenic |
| 12 | 98533972 | G | A | rs7298668 | 2.22E-01 | 0.083 | 0.076 | 1.11 | 0.88 | -1.39 | 2.65E-05 | 0.103 | 0.070 | 1.53 | 1.25 | -1.87 | 1.44 | 1.12E-04 | MIR4303(dist=144746), SLC9A7P1(dist=313647) | intergenic |
| 6 | 141711296 | G | A | rs149952738 | 2.77E-01 | 0.060 | 0.055 | 1.09 | 0.84 | -1.42 | 8.59E-06 | 0.078 | 0.047 | 1.70 | 1.35 | -2.14 | 1.49 | 1.12E-04 | MIR4465(dist=706276), NMBR(dist=685449) | intergenic |
| 6 | 141707890 | C | G | rs150824548 | 2.78E-01 | 0.060 | 0.056 | 1.09 | 0.84 | -1.42 | 8.73E-06 | 0.078 | 0.047 | 1.70 | 1.35 | -2.14 | 1.49 | 1.14E-04 | MIR4465(dist=702870), NMBR(dist=688855) | intergenic |
| 6 | 141706496 | A | C | rs116839492 | 2.71E-01 | 0.060 | 0.055 | 1.09 | 0.84 | -1.42 | 9.89E-06 | 0.077 | 0.047 | 1.70 | 1.35 | -2.14 | 1.49 | 1.16E-04 | MIR4465(dist=701476), NMBR(dist=690249) | intergenic |
| 17 | 30051595 | C | T | rs373060172;rs770513 | 3.02E-05 | 0.057 | 0.029 | 0.49 | 0.36 | -0.66 | 1.20E-01 | 0.053 | 0.050 | 0.94 | 0.73 | -1.23 | 0.60 | 1.17E-04 | MIR365B(dist=149055), COPRS(dist=127289) | intergenic |
| 2 | 224780745 | C | G | rs73994435 | 3.97E-08 | 0.056 | 0.026 | 2.21 | 1.61 | -3.02 | 7.37E-01 | 0.033 | 0.033 | 1.01 | 0.73 | -1.4 | 1.70 | 1.17E-04 | WDFY1 | intronic |
| 2 | 224695905 | T | G | rs60563766 | 3.66E-05 | 0.109 | 0.072 | 1.56 | 1.26 | -1.93 | 1.38E-01 | 0.102 | 0.088 | 1.18 | 0.97 | -1.44 | 1.39 | 1.18E-04 | AP1S3 | intronic |
| 16 | 84543763 | G | A | rs7185740 | 1.97E-01 | 0.128 | 0.125 | 1.03 | 0.85 | -1.24 | 4.98E-05 | 0.129 | 0.185 | 0.65 | 0.55 | -0.77 | 0.77 | 1.24E-04 | TLDC1(dist=5475), COTL1(dist=554441) | intergenic |
| 1 | 1037313 | A | G | rs11260593 | 2.35E-01 | 0.460 | 0.458 | 1.01 | 0.89 | -1.14 | 1.64E-05 | 0.489 | 0.415 | 1.35 | 1.2 | -1.52 | 1.20 | 1.25E-04 | C1orf159 | intronic |
| 4 | 58622334 | A | G | rs147270744 | 3.60E-01 | 0.048 | 0.043 | 1.13 | 0.84 | -1.52 | 4.76E-06 | 0.059 | 0.033 | 1.86 | 1.43 | -2.43 | 1.57 | 1.26E-04 | LOC101928851(dist=290182), NONE(dist=NONE) | intergenic |
| 14 | 62731831 | G | C | rs11621514 | 4.93E-01 | 0.394 | 0.393 | 1.00 | 0.88 | -1.13 | 3.15E-06 | 0.423 | 0.348 | 0.73 | 0.65 | -0.82 | 0.84 | 1.28E-04 | LINC00644(dist=125140), KCNH5(dist=441460) | intergenic |
| 2 | 18429834 | C | G | rs28565330 | 1.63E-01 | 0.162 | 0.153 | 1.07 | 0.91 | -1.27 | 3.39E-05 | 0.186 | 0.138 | 1.43 | 1.22 | -1.66 | 1.28 | 1.29E-04 | KCNS3(dist=315609), RDH14(dist=306155) | intergenic |
| 4 | 59475638 | A | G | rs2662836 | 2.55E-01 | 0.099 | 0.103 | 0.95 | 0.77 | -1.17 | 3.42E-05 | 0.074 | 0.118 | 0.60 | 0.49 | -0.75 | 0.75 | 1.29E-04 | LOC101928851(dist=1143486), NONE(dist=NONE) | intergenic |
| 19 | 50304439 | T | C | rs10421754 | 5.96E-01 | 0.403 | 0.393 | 1.05 | 0.92 | -1.19 | 3.82E-06 | 0.436 | 0.376 | 1.28 | 1.14 | -1.44 | 1.21 | 1.30E-04 | AP2A1 | intronic |
| 2 | 18430432 | G | A | rs10181532 | 1.61E-01 | 0.162 | 0.153 | 1.07 | 0.91 | -1.27 | 2.81E-05 | 0.189 | 0.142 | 1.41 | 1.21 | -1.64 | 1.28 | 1.32E-04 | KCNS3(dist=316207), RDH14(dist=305557) | intergenic |
| 2 | 224788923 | T | C | rs73994441 | 5.43E-08 | 0.056 | 0.027 | 2.17 | 1.59 | -2.97 | 7.41E-01 | 0.033 | 0.033 | 1.01 | 0.73 | -1.4 | 1.70 | 1.34E-04 | WDFY1 | intronic |
| 2 | 224791466 | C | T | rs76170429 | 5.46E-08 | 0.056 | 0.027 | 2.17 | 1.59 | -2.97 | 7.41E-01 | 0.033 | 0.033 | 1.01 | 0.73 | -1.4 | 1.70 | 1.34E-04 | WDFY1 | intronic |
| 2 | 224795310 | G | A | rs61607350 | 5.52E-08 | 0.056 | 0.027 | 2.17 | 1.59 | -2.96 | 7.41E-01 | 0.033 | 0.033 | 1.01 | 0.73 | -1.4 | 1.69 | 1.34E-04 | WDFY1 | intronic |
| 17 | 25695084 | G | A | rs1676581 | 2.08E-01 | 0.051 | 0.041 | 1.27 | 0.95 | -1.7 | 2.25E-05 | 0.085 | 0.061 | 1.43 | 1.15 | -1.78 | 1.54 | 1.35E-04 | WSB1(dist=54439), TBC1D3P5(dist=49947) | intergenic |
| 14 | 62756802 | T | A | rs6573430 | 2.11E-01 | 0.262 | 0.252 | 1.06 | 0.92 | -1.22 | 2.96E-05 | 0.280 | 0.223 | 1.35 | 1.18 | -1.54 | 1.23 | 1.35E-04 | LINC00644(dist=150111), KCNH5(dist=416489) | intergenic |
| 2 | 18401496 | A | G | rs10174281 | 1.16E-01 | 0.100 | 0.090 | 1.13 | 0.92 | -1.4 | 5.59E-05 | 0.119 | 0.084 | 1.47 | 1.22 | -1.77 | 1.37 | 1.36E-04 | KCNS3(dist=287271), RDH14(dist=334493) | intergenic |
| 2 | 103062116 | A | G | rs7597017 | 1.44E-01 | 0.210 | 0.228 | 0.90 | 0.78 | -1.05 | 4.90E-05 | 0.188 | 0.238 | 0.74 | 0.64 | -0.86 | 0.81 | 1.36E-04 | IL18RAP | intronic |
| 2 | 103062754 | T | A | rs4851585 | 1.52E-01 | 0.220 | 0.236 | 0.91 | 0.79 | -1.06 | 4.70E-05 | 0.195 | 0.245 | 0.75 | 0.65 | -0.86 | 0.81 | 1.38E-04 | IL18RAP | intronic |
| 9 | 36138332 | C | G | rs7037771 | 2.65E-06 | 0.081 | 0.050 | 1.69 | 1.32 | -2.16 | 4.36E-01 | 0.065 | 0.056 | 1.17 | 0.92 | -1.48 | 1.48 | 1.39E-04 | GLIPR2 | intronic |
| 1 | 1040824 | T | C | rs6656379 | 2.40E-01 | 0.477 | 0.476 | 1.01 | 0.89 | -1.14 | 1.82E-05 | 0.500 | 0.424 | 1.36 | 1.21 | -1.53 | 1.19 | 1.40E-04 | C1orf159 | intronic |
| 12 | 32955330 | G | A | rs74072938 | 4.03E-05 | 0.149 | 0.200 | 1.70 | 0.59 | -0.82 | 1.44E-01 | 0.169 | 0.177 | 0.94 | 0.81 | -1.1 | 0.80 | 1.41E-04 | PKP2 | intronic |
| 12 | 98531468 | G | C | rs79589706 | 2.92E-01 | 0.080 | 0.073 | 1.10 | 0.87 | -1.39 | 1.26E-05 | 0.104 | 0.069 | 1.55 | 1.27 | -1.89 | 1.42 | 1.41E-04 | MIR4303(dist=142242), SLC9A7P1(dist=316151) | intergenic |
| 17 | 25686369 | A | G | rs322200 | 1.77E-01 | 0.043 | 0.033 | 1.34 | 0.97 | -1.84 | 5.28E-05 | 0.078 | 0.056 | 1.42 | 1.14 | -1.78 | 1.58 | 1.45E-04 | WSB1(dist=45724), TBC1D3P5(dist=58662) | intergenic |
| 4 | 59452393 | A | G | rs282745 | 3.56E-01 | 0.095 | 0.098 | 0.97 | 0.79 | -1.2 | 1.60E-05 | 0.071 | 0.116 | 0.58 | 0.47 | -0.73 | 0.75 | 1.45E-04 | LOC101928851(dist=1120241), NONE(dist=NONE) | intergenic |
| 12 | 98556393 | T | C | rs12316958 | 4.65E-01 | 0.098 | 0.095 | 1.03 | 0.84 | -1.27 | 4.75E-06 | 0.134 | 0.093 | 1.51 | 1.27 | -1.81 | 1.35 | 1.47E-04 | MIR4303(dist=167167), SLC9A7P1(dist=291226) | intergenic |
| 6 | 31745518 | A | G | rs707927 | 1.76E-01 | 0.150 | 0.140 | 1.08 | 0.9 | -1.28 | 4.83E-05 | 0.179 | 0.129 | 1.47 | 1.26 | -1.72 | 1.28 | 1.48E-04 | VARS | intronic |
| 2 | 18459548 | C | G | rs9808223 | 1.42E-01 | 0.119 | 0.107 | 1.12 | 0.93 | -1.36 | 4.20E-05 | 0.137 | 0.098 | 1.47 | 1.23 | -1.75 | 1.32 | 1.50E-04 | KCNS3(dist=345323), RDH14(dist=276441) | intergenic |
| 15 | 99661156 | C | T | rs77244447 | 2.86E-01 | 0.055 | 0.064 | 0.84 | 0.64 | -1.1 | 1.84E-05 | 0.038 | 0.065 | 0.57 | 0.42 | -0.76 | 0.70 | 1.54E-04 | SYNM | intronic |
| 4 | 76060129 | A | G | rs10034825 | 6.04E-05 | 0.337 | 0.285 | 1.28 | 1.12 | -1.46 | 1.63E-01 | 0.312 | 0.284 | 1.14 | 1 | -1.3 | 1.21 | 1.54E-04 | PARM1(dist=84804), LOC441025(dist=219157) | intergenic |
| 4 | 76057984 | A | G | rs10028446 | 2.94E-05 | 0.319 | 0.265 | 1.30 | 1.13 | -1.48 | 2.12E-01 | 0.297 | 0.273 | 1.13 | 0.99 | -1.28 | 1.21 | 1.55E-04 | PARM1(dist=82659), LOC441025(dist=221302) | intergenic |
| 15 | 66227360 | A | G | rs79164400 | 2.11E-01 | 0.079 | 0.064 | 1.25 | 0.99 | -1.59 | 5.54E-05 | 0.096 | 0.072 | 1.37 | 1.12 | -1.68 | 1.41 | 1.55E-04 | MEGF11 | intronic |
| 1 | 237838717 | C | T | rs78222358 | 9.96E-02 | 0.090 | 0.082 | 1.11 | 0.89 | -1.39 | 2.89E-05 | 0.085 | 0.059 | 1.47 | 1.19 | -1.83 | 1.47 | 1.57E-04 | RYR2 | intronic |
| 11 | 5436004 | C | G | rs7119357 | 2.31E-01 | 0.419 | 0.415 | 0.98 | 0.87 | -1.12 | 2.60E-05 | 0.475 | 0.411 | 0.77 | 0.68 | -0.87 | 0.83 | 1.58E-04 | OR51B5 | intronic |
| 7 | 14281800 | T | A | rs116116450 | 2.42E-01 | 0.087 | 0.079 | 1.11 | 0.89 | -1.38 | 1.13E-05 | 0.096 | 0.061 | 1.63 | 1.33 | -2.01 | 1.40 | 1.60E-04 | DGKB | intronic |
| 4 | 59487504 | C | G | rs282697 | 2.68E-01 | 0.105 | 0.108 | 0.96 | 0.79 | -1.18 | 3.83E-05 | 0.079 | 0.122 | 0.62 | 0.5 | -0.76 | 0.75 | 1.60E-04 | LOC101928851(dist=1155352), NONE(dist=NONE) | intergenic |
| 19 | 50301844 | T | G | rs7248071 | 6.05E-01 | 0.394 | 0.384 | 1.05 | 0.92 | -1.19 | 2.63E-06 | 0.424 | 0.362 | 1.30 | 1.15 | -1.46 | 1.19 | 1.62E-04 | AP2A1 | intronic |
| 11 | 102677830 | T | A | rs115066265 | 4.17E-01 | 0.029 | 0.026 | 1.12 | 0.77 | -1.63 | 8.26E-06 | 0.046 | 0.023 | 2.04 | 1.5 | -2.76 | 1.72 | 1.65E-04 | WTAPP1 | ncRNA_intronic |
| 2 | 234695224 | T | G | rs10929304 | 2.52E-05 | 0.393 | 0.335 | 0.78 | 0.69 | -0.89 | 2.04E-01 | 0.357 | 0.332 | 0.89 | 0.79 | -1.01 | 0.83 | 1.66E-04 | MROH2A | intronic |
| 1 | 1047374 | T | A | rs12743678;rs386627440 | 2.60E-01 | 0.474 | 0.474 | 1.00 | 0.88 | -1.13 | 1.75E-05 | 0.493 | 0.418 | 1.36 | 1.21 | -1.52 | 1.19 | 1.68E-04 | C1orf159 | intronic |
| 6 | 32207181 | G | A | rs3130304 | 6.37E-05 | 0.203 | 0.159 | 1.34 | 1.15 | -1.58 | 1.51E-01 | 0.167 | 0.157 | 1.08 | 0.92 | -1.26 | 1.27 | 1.70E-04 | NOTCH4(dist=15337), C6orf10(dist=53294) | intergenic |
| 11 | 122784803 | A | G | rs7118375 | 1.81E-05 | 0.186 | 0.236 | 0.74 | 0.64 | -0.87 | 2.87E-01 | 0.198 | 0.201 | 0.98 | 0.85 | -1.14 | 0.77 | 1.70E-04 | C11orf63 | intronic |
| 15 | 89857804 | T | C | rs16943013 | 3.06E-01 | 0.063 | 0.060 | 1.05 | 0.81 | -1.36 | 1.88E-05 | 0.077 | 0.046 | 1.71 | 1.35 | -2.15 | 1.46 | 1.70E-04 | FANCI | intronic |
| 19 | 20404935 | G | T | rs4309516 | 3.38E-01 | 0.284 | 0.280 | 1.02 | 0.89 | -1.17 | 1.41E-05 | 0.305 | 0.247 | 1.34 | 1.18 | -1.52 | 1.22 | 1.71E-04 | ZNF486(dist=93636), MIR1270(dist=105146) | intergenic |
| 17 | 78384745 | A | C | rs9900214 | 2.24E-01 | 0.057 | 0.045 | 0.77 | 0.59 | -1.02 | 2.56E-05 | 0.109 | 0.089 | 0.80 | 0.66 | -0.97 | 0.66 | 1.71E-04 | LOC100294362 | ncRNA_intronic |
| 7 | 49795069 | A | G | rs149533983 | 1.47E-01 | 0.046 | 0.040 | 1.16 | 0.86 | -1.57 | 2.00E-05 | 0.053 | 0.032 | 1.71 | 1.3 | -2.25 | 1.62 | 1.72E-04 | CDC14C(dist=828020), VWC2(dist=18188) | intergenic |
| 2 | 18451855 | A | T | rs1597823;rs200592303 | 4.35E-01 | 0.335 | 0.328 | 1.03 | 0.9 | -1.17 | 2.80E-06 | 0.369 | 0.297 | 1.39 | 1.23 | -1.57 | 1.20 | 1.75E-04 | KCNS3(dist=337630), RDH14(dist=284134) | intergenic |
| 14 | 62731060 | A | G | rs386778159;rs1160225 | 5.60E-01 | 0.394 | 0.395 | 1.00 | 0.88 | -1.14 | 3.49E-06 | 0.423 | 0.348 | 0.73 | 0.65 | -0.82 | 0.84 | | | |

| | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------|----------|-------|-------|------|-------------|----------|-------|-------|------|-------------|------|----------|--|----------------|
| 20 | 61998443 | T | C | rs6062905 | 2.13E-01 | 0.327 | 0.356 | 1.14 | 1 - 1.3 | 4.96E-05 | 0.275 | 0.313 | 1.20 | 1.06 - 1.37 | 1.21 | 1.80E-04 | LOC100130587 | ncRNA_exonic |
| 4 | 58636091 | A | G | rs147377103 | 4.21E-01 | 0.047 | 0.043 | 1.09 | 0.81 - 1.47 | 5.76E-06 | 0.058 | 0.030 | 1.96 | 1.5 - 2.57 | 1.52 | 1.81E-04 | LOC101928851(dist=303939), NONE(dist=NONE) | intergenic |
| 15 | 99640809 | G | A | rs114783288 | 2.29E-01 | 0.058 | 0.069 | 0.83 | 0.64 - 1.08 | 3.97E-05 | 0.040 | 0.065 | 0.60 | 0.45 - 0.8 | 0.69 | 1.81E-04 | LUNAR1(dist=66534), SYNM(dist=4477) | intergenic |
| 1 | 1049950 | A | G | rs12726255 | 2.73E-01 | 0.476 | 0.477 | 1.00 | 0.88 - 1.13 | 1.72E-05 | 0.490 | 0.415 | 1.35 | 1.2 - 1.52 | 1.19 | 1.84E-04 | C1orf159 | intronic |
| 3 | 64001925 | C | T | rs9879045 | 2.96E-01 | 0.495 | 0.494 | 1.00 | 0.89 - 1.14 | 2.89E-05 | 0.528 | 0.462 | 1.30 | 1.16 - 1.46 | 1.19 | 1.85E-04 | PSMD6 | intronic |
| 7 | 20533001 | G | T | rs67630182 | 1.06E-05 | 0.192 | 0.255 | 0.69 | 0.6 - 0.81 | 3.59E-01 | 0.227 | 0.233 | 0.97 | 0.84 - 1.11 | 0.81 | 1.86E-04 | ITGB8(dist=77619), ABCB5(dist=122244) | intergenic |
| 7 | 46076308 | A | C | rs812570 | 2.40E-01 | 0.422 | 0.397 | 0.90 | 0.79 - 1.02 | 2.81E-05 | 0.497 | 0.445 | 0.81 | 0.72 - 0.91 | 0.84 | 1.86E-04 | IGFBP3(dist=115437), TNS3(dist=1238444) | intergenic |
| 4 | 58637102 | G | A | rs187655745 | 4.30E-01 | 0.046 | 0.043 | 1.09 | 0.81 - 1.47 | 5.72E-06 | 0.058 | 0.030 | 1.97 | 1.5 - 2.58 | 1.52 | 1.86E-04 | LOC101928851(dist=304950), NONE(dist=NONE) | intergenic |
| 14 | 62730813 | T | A | rs10873147 | 5.49E-01 | 0.397 | 0.398 | 1.00 | 0.88 - 1.14 | 4.28E-06 | 0.425 | 0.350 | 0.73 | 0.65 - 0.82 | 0.84 | 1.88E-04 | LINC00644(dist=124122), KCNH5(dist=442478) | intergenic |
| 8 | 38952925 | T | C | rs55985346 | 5.52E-01 | 0.089 | 0.090 | 0.99 | 0.79 - 1.22 | 2.82E-06 | 0.117 | 0.075 | 1.63 | 1.35 - 1.97 | 1.37 | 1.88E-04 | ADAM9 | intronic |
| 19 | 20397555 | A | C | rs11085307 | 4.03E-01 | 0.282 | 0.279 | 1.01 | 0.88 - 1.16 | 9.97E-06 | 0.311 | 0.253 | 1.33 | 1.17 - 1.51 | 1.22 | 1.89E-04 | ZNF486(dist=86256), MIR1270(dist=112526) | intergenic |
| 3 | 57032400 | G | A | rs9311636 | 3.10E-05 | 0.040 | 0.022 | 1.85 | 1.3 - 2.63 | 2.28E-01 | 0.029 | 0.022 | 1.30 | 0.91 - 1.87 | 1.75 | 1.91E-04 | ARHGEF3 | intronic |
| 14 | 30731259 | A | G | rs74043212 | 4.00E-01 | 0.043 | 0.049 | 0.88 | 0.65 - 1.18 | 6.05E-06 | 0.021 | 0.046 | 0.45 | 0.31 - 0.66 | 0.67 | 1.92E-04 | PRKD1(dist=334360), G2E3(dist=297070) | intergenic |
| 1 | 67747023 | G | C | rs12141431 | 2.02E-01 | 0.087 | 0.065 | 1.36 | 1.08 - 1.72 | 4.93E-05 | 0.110 | 0.091 | 1.23 | 1.02 - 1.49 | 1.41 | 1.93E-04 | IL23R(dist=21373), IL12RB2(dist=26024) | intergenic |
| 19 | 20401367 | T | A | rs11668982 | 3.85E-01 | 0.280 | 0.278 | 1.01 | 0.88 - 1.16 | 1.19E-05 | 0.306 | 0.248 | 1.34 | 1.18 - 1.52 | 1.22 | 1.93E-04 | ZNF486(dist=90068), MIR1270(dist=108714) | intergenic |
| 14 | 62732065 | C | T | rs12587137 | 5.72E-01 | 0.394 | 0.395 | 1.00 | 0.88 - 1.14 | 3.57E-06 | 0.422 | 0.347 | 0.73 | 0.65 - 0.82 | 0.84 | 1.94E-04 | LINC00644(dist=125374), KCNH5(dist=441226) | intergenic |
| 8 | 50360812 | C | A | rs142570366 | 1.40E-05 | 0.057 | 0.035 | 1.66 | 1.24 - 2.23 | 2.73E-01 | 0.046 | 0.038 | 1.23 | 0.93 - 1.63 | 1.60 | 1.95E-04 | C8orf22(dist=372170), SNTG1(dist=461537) | intergenic |
| 19 | 20398680 | T | C | rs61627828 | 4.04E-01 | 0.283 | 0.280 | 1.01 | 0.88 - 1.16 | 1.07E-05 | 0.311 | 0.253 | 1.33 | 1.17 - 1.51 | 1.22 | 1.97E-04 | ZNF486(dist=87381), MIR1270(dist=111401) | intergenic |
| 2 | 18399755 | A | T | rs13385815 | 1.72E-01 | 0.073 | 0.065 | 1.13 | 0.88 - 1.44 | 2.11E-05 | 0.080 | 0.052 | 1.60 | 1.28 - 2.01 | 1.47 | 1.98E-04 | KCNS3(dist=285530), RDH14(dist=336234) | intergenic |
| 19 | 20397253 | C | T | rs74183971 | 4.18E-01 | 0.282 | 0.280 | 1.01 | 0.88 - 1.16 | 9.79E-06 | 0.312 | 0.254 | 1.33 | 1.17 - 1.51 | 1.22 | 1.98E-04 | ZNF486(dist=85954), MIR1270(dist=112828) | intergenic |
| 4 | 58641087 | C | T | rs1858149 | 4.30E-01 | 0.046 | 0.042 | 1.09 | 0.81 - 1.47 | 4.13E-06 | 0.059 | 0.033 | 1.87 | 1.43 - 2.44 | 1.53 | 2.00E-04 | LOC101928851(dist=308935), NONE(dist=NONE) | intergenic |
| 16 | 58989225 | A | G | rs73564105 | 4.45E-01 | 0.050 | 0.046 | 1.09 | 0.81 - 1.45 | 6.28E-06 | 0.074 | 0.046 | 1.66 | 1.31 - 2.09 | 1.52 | 2.02E-04 | GOT2(dist=220964), APOOP5(dist=798820) | intergenic |
| 2 | 205081598 | A | G | rs10932052 | 1.74E-01 | 0.304 | 0.283 | 1.10 | 0.96 - 1.26 | 3.70E-05 | 0.350 | 0.305 | 1.23 | 1.08 - 1.39 | 1.22 | 2.04E-04 | ICOS(dist=255300), PAR3B(dist=328918) | intergenic |
| 8 | 57779558 | A | G | rs16921235 | 2.68E-01 | 0.287 | 0.278 | 1.04 | 0.91 - 1.2 | 3.26E-05 | 0.317 | 0.258 | 1.34 | 1.18 - 1.52 | 1.21 | 2.06E-04 | LINC00968(dist=307176), IMPAD1(dist=90930) | intergenic |
| 7 | 49795152 | T | C | rs114595294 | 1.85E-01 | 0.046 | 0.042 | 1.12 | 0.83 - 1.5 | 2.20E-05 | 0.053 | 0.032 | 1.70 | 1.29 - 2.24 | 1.64 | 2.06E-04 | CDC14C(dist=828103), VWC2(dist=18105) | intergenic |
| 8 | 57783987 | T | A | rs2873554 | 2.72E-01 | 0.288 | 0.279 | 1.04 | 0.91 - 1.2 | 3.16E-05 | 0.318 | 0.258 | 1.34 | 1.18 - 1.52 | 1.21 | 2.06E-04 | LINC00968(dist=311605), IMPAD1(dist=86501) | intergenic |
| 2 | 241405483 | G | A | rs61737165 | 2.71E-01 | 0.027 | 0.024 | 1.16 | 0.79 - 1.72 | 3.02E-05 | 0.042 | 0.026 | 1.68 | 1.24 - 2.29 | 1.88 | 2.07E-04 | GPC1 | exonic |
| 1 | 159084368 | C | T | rs4233471 | 2.41E-01 | 0.444 | 0.410 | 1.15 | 1.02 - 1.3 | 2.35E-05 | 0.486 | 0.450 | 1.15 | 1.03 - 1.3 | 1.20 | 2.08E-04 | AIM2(dist=37721), CADM3(dist=57009) | intergenic |
| 14 | 63978361 | A | T | rs8009130 | 1.41E-05 | 0.110 | 0.072 | 1.59 | 1.29 - 1.97 | 2.97E-01 | 0.096 | 0.091 | 1.07 | 0.87 - 1.3 | 1.38 | 2.10E-04 | PPP2R5E | intronic |
| 7 | 158015560 | A | G | rs6944416 | 3.77E-01 | 0.288 | 0.284 | 0.98 | 0.86 - 1.13 | 1.33E-05 | 0.270 | 0.336 | 1.37 | 1.2 - 1.56 | 1.21 | 2.10E-04 | PTRN2 | intronic |
| 8 | 66488718 | T | C | rs67020592 | 3.42E-01 | 0.077 | 0.068 | 1.15 | 0.91 - 1.46 | 1.95E-05 | 0.100 | 0.072 | 1.44 | 1.18 - 1.77 | 1.38 | 2.12E-04 | LINC01299(dist=13817), ARMC1(dist=25973) | intergenic |
| 16 | 59002638 | G | T | rs16960701 | 6.05E-01 | 0.052 | 0.050 | 1.04 | 0.79 - 1.38 | 1.01E-06 | 0.077 | 0.049 | 1.62 | 1.29 - 2.04 | 1.54 | 2.12E-04 | GOT2(dist=234377), APOOP5(dist=785407) | intergenic |
| 1 | 247110336 | G | A | rs113486416 | 5.07E-05 | 0.192 | 0.154 | 1.30 | 1.11 - 1.53 | 2.68E-01 | 0.153 | 0.133 | 1.17 | 0.99 - 1.38 | 1.27 | 2.13E-04 | ZNF670-ZNF695 | ncRNA_intronic |
| 12 | 98534766 | C | A | rs79555181 | 2.68E-01 | 0.081 | 0.073 | 1.11 | 0.88 - 1.4 | 2.66E-05 | 0.103 | 0.070 | 1.53 | 1.25 - 1.87 | 1.40 | 2.13E-04 | MIR4303(dist=145540), SLC9A7P1(dist=312853) | intergenic |
| 8 | 66487345 | G | A | rs77019597 | 3.42E-01 | 0.077 | 0.068 | 1.15 | 0.91 - 1.46 | 1.98E-05 | 0.100 | 0.072 | 1.44 | 1.18 - 1.77 | 1.38 | 2.14E-04 | LINC01299(dist=12444), ARMC1(dist=27346) | intergenic |
| 8 | 66487080 | G | A | rs67578031 | 3.42E-01 | 0.077 | 0.068 | 1.15 | 0.91 - 1.46 | 1.99E-05 | 0.100 | 0.072 | 1.44 | 1.18 - 1.77 | 1.38 | 2.14E-04 | LINC01299(dist=12179), ARMC1(dist=27611) | intergenic |
| 7 | 79025250 | C | T | rs76530656 | 3.20E-01 | 0.038 | 0.033 | 1.16 | 0.83 - 1.61 | 1.08E-05 | 0.053 | 0.032 | 1.71 | 1.3 - 2.25 | 1.67 | 2.16E-04 | MAGI2 | intronic |
| 21 | 16817051 | A | G | rs1297265 | 1.83E-01 | 0.435 | 0.458 | 0.91 | 0.81 - 1.03 | 5.96E-05 | 0.438 | 0.489 | 0.81 | 0.72 - 0.91 | 0.84 | 2.16E-04 | NRIP1(dist=379925), USP25(dist=285293) | intergenic |
| 5 | 92135678 | A | C | rs26720 | 3.33E-05 | 0.416 | 0.484 | 1.32 | 1.16 - 1.49 | 2.92E-01 | 0.427 | 0.444 | 1.07 | 0.95 - 1.2 | 1.19 | 2.17E-04 | ARRDC3-AS1(dist=1419146), NR2F1-AS1(dist=609384) | intergenic |
| 12 | 98555234 | G | T | rs12307886 | 2.84E-01 | 0.091 | 0.086 | 1.07 | 0.86 - 1.32 | 3.36E-05 | 0.116 | 0.079 | 1.53 | 1.27 - 1.85 | 1.35 | 2.20E-04 | MIR4303(dist=166008), SLC9A7P1(dist=292385) | intergenic |
| 7 | 14280706 | T | C | rs56697957 | 2.21E-01 | 0.086 | 0.079 | 1.10 | 0.88 - 1.37 | 3.12E-05 | 0.091 | 0.059 | 1.59 | 1.29 - 1.97 | 1.42 | 2.23E-04 | DGKB | intronic |
| 8 | 66530244 | G | A | rs144483374 | 3.98E-01 | 0.077 | 0.068 | 1.14 | 0.9 - 1.45 | 1.30E-05 | 0.101 | 0.072 | 1.45 | 1.19 - 1.78 | 1.38 | 2.25E-04 | ARMC1 | intronic |
| 8 | 66536135 | C | T | rs147230370 | 3.98E-01 | 0.077 | 0.068 | 1.14 | 0.9 - 1.45 | 1.30E-05 | 0.101 | 0.072 | 1.45 | 1.19 - 1.78 | 1.38 | 2.25E-04 | ARMC1 | intronic |
| 8 | 66538975 | G | A | rs66850618 | 3.98E-01 | 0.077 | 0.068 | 1.14 | 0.9 - 1.45 | 1.30E-05 | 0.101 | 0.072 | 1.45 | 1.19 - 1.78 | 1.38 | 2.25E-04 | ARMC1 | intronic |
| 8 | 66545781 | C | G | rs68077070 | 3.98E-01 | 0.077 | 0.068 | 1.14 | 0.9 - 1.45 | 1.30E-05 | 0.101 | 0.072 | 1.45 | 1.19 - 1.78 | 1.38 | 2.25E-04 | ARMC1 | intronic |
| 1 | 33626154 | C | T | rs10798929 | 3.59E-01 | 0.092 | 0.074 | 1.27 | 1.02 - 1.58 | 5.05E-06 | 0.131 | 0.115 | 1.16 | 0.97 - 1.38 | 1.43 | 2.25E-04 | TRIM62 | intronic |
| 1 | 1056715 | C | T | rs7538862 | 3.17E-01 | 0.475 | 0.477 | 0.99 | 0.88 - 1.12 | 1.37E-05 | 0.478 | 0.403 | 1.35 | 1.2 - 1.52 | 1.19 | 2.26E-04 | C1orf159(dist=4979), LINC01342(dist=15682) | intergenic |
| 3 | 3350835 | A | T | rs116556690 | 1.17E-05 | 0.049 | 0.028 | 1.79 | 1.3 - 2.46 | 6.77E-01 | 0.029 | 0.026 | 1.11 | 0.78 - 1.58 | 1.75 | 2.29E-04 | CRBN(dist=129434), LRRN1(dist=490286) | intergenic |
| 12 | 1625663 | T | C | rs12817716 | 9.68E-01 | 0.060 | 0.054 | 0.90 | 0.69 - 1.17 | 3.25E-07 | 0.031 | 0.069 | 2.31 | 1.68 - 3.17 | 1.47 | 2.31E-04 | LINC00942(dist=12073), FBXL14(dist=49496) | intergenic |
| 2 | 224815458 | T | C | rs60476567 | 6.37E-07 | 0.052 | 0.026 | 2.11 | 1.54 - 2.91 | 8.69E-01 | 0.029 | 0.029 | 1.02 | 0.72 - 1.45 | 1.69 | 2.32E-04 | WDFY1(dist=5354), MRPL44(dist=6663) | intergenic |
| 2 | 236506403 | T | G | rs35898683 | 1.36E-06 | 0.280 | 0.238 | 1.24 | 1.08 - 1.43 | 7.97E-01 | 0.212 | 0.202 | 1.06 | 0.92 - 1.22 | 1.28 | 2.33E-04 | AGAP1 | intronic |
| 2 | 224813548 | T | G | rs73992129 | 6.54E-07 | 0.052 | 0.026 | 2.11 | 1.53 - 2.91 | 8.70E-01 | 0.029 | 0.029 | 1.02 | 0.72 - 1.45 | 1.69 | 2.36E-04 | WDFY1(dist=3444), MRPL44(dist=8573) | intergenic |
| 8 | 66555442 | C | G | rs66851666 | 4.00E-01 | 0.077 | 0.068 | 1.14 | 0.9 - 1.44 | 1.43E-05 | 0.101 | 0.072 | 1.45 | 1.19 - 1.77 | 1.38 | 2.36E-04 | ARMC1(dist=8990), MTFR1(dist=1446) | intergenic |
| 14 | 62726515 | G | A | rs1567953 | 5.96E-01 | 0.395 | 0.397 | 1.01 | 0.89 - 1.14 | 4.72E-06 | 0.428 | 0.353 | 0.73 | 0.65 - 0.82 | 0.84 | 2.36E-04 | LINC00644(dist=119824), KCNH5(dist=446776) | intergenic |
| 14 | 85459876 | A | G | rs114508225 | 1.06E-05 | 0.054 | 0.035 | 1.59 | 1.18 - 2.14 | 6.20E-01 | 0.027 | 0.024 | 1.10 | 0.77 - 1.59 | 1.85 | 2.38E-04 | NONE(dist=NONE), LINC00911(dist=400347) | intergenic |
| 8 | 66482521 | T | C | rs149718031 | 3.41E-01 | 0.078 | 0.068 | 1.15 | 0.91 - 1.46 | 2.35E-05 | 0.100 | 0.072 | 1.44 | 1.18 - 1.76 | 1.38 | 2.38E-04 | LINC01299(dist=7620), ARMC1(dist=32170) | intergenic |
| 14 | 62731724 | T | G | rs11158386 | 5.36E-01 | 0.395 | 0.395 | 1.00 | 0.88 - 1.14 | 6.08E-06 | 0.432 | 0.361 | 0.74 | 0.66 - 0.84 | 0.84 | 2.39E-04 | LINC00644(dist=125033), KCNH5(dist=441567) | intergenic |
| 2 | 140216853 | C | T | rs11899681 | 3.00E-01 | 0.481 | 0.488 | 1.03 | 0.91 - 1.16 | 1.62E-05 | 0.533 | 0.466 | 1.31 | 1.16 | | | | |

| | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------|----------|-------|-------|------|-------------|----------|-------|-------|------|-------------|------|----------|--|----------------|
| 14 | 62730168 | T | A | rs4899068 | 5.83E-01 | 0.398 | 0.399 | 1.00 | 0.89 - 1.14 | 5.53E-06 | 0.427 | 0.352 | 0.73 | 0.65 - 0.82 | 0.84 | 2.45E-04 | LINC00644(dist=123477), KCNH5(dist=443123) | intergenic |
| 6 | 52086896 | C | T | rs524207 | 5.25E-05 | 0.389 | 0.438 | 1.22 | 1.08 - 1.39 | 2.15E-01 | 0.430 | 0.467 | 1.16 | 1.03 - 1.3 | 1.19 | 2.46E-04 | IL17A(dist=31460), IL17F(dist=14588) | intergenic |
| 8 | 127654091 | C | T | rs7461025 | 5.98E-01 | 0.243 | 0.216 | 1.16 | 1 - 1.35 | 1.61E-06 | 0.292 | 0.258 | 1.19 | 1.04 - 1.35 | 1.28 | 2.47E-04 | FAM84B(dist=83380), PCAT1(dist=371308) | intergenic |
| 8 | 66481105 | A | G | rs61124236 | 3.41E-01 | 0.078 | 0.068 | 1.15 | 0.91 - 1.46 | 2.50E-05 | 0.100 | 0.072 | 1.44 | 1.18 - 1.76 | 1.38 | 2.47E-04 | LINC01299(dist=6204), ARMC1(dist=33586) | intergenic |
| 4 | 58654764 | A | G | rs73191470 | 4.46E-01 | 0.045 | 0.041 | 1.09 | 0.8 - 1.47 | 7.86E-06 | 0.057 | 0.030 | 1.95 | 1.49 - 2.56 | 1.51 | 2.48E-04 | LOC101928851(dist=322612), NONE(dist=NONE) | intergenic |
| 8 | 66480622 | G | A | rs35416733 | 3.41E-01 | 0.078 | 0.068 | 1.15 | 0.91 - 1.46 | 2.52E-05 | 0.100 | 0.072 | 1.44 | 1.18 - 1.76 | 1.38 | 2.48E-04 | LINC01299(dist=5721), ARMC1(dist=34069) | intergenic |
| 8 | 66528604 | G | A | rs142339926 | 4.30E-01 | 0.079 | 0.069 | 1.15 | 0.91 - 1.45 | 9.07E-06 | 0.097 | 0.069 | 1.43 | 1.17 - 1.76 | 1.40 | 2.48E-04 | ARMC1 | intronic |
| 3 | 146392038 | C | T | rs56367938 | 6.26E-05 | 0.040 | 0.063 | 0.62 | 0.46 - 0.84 | 2.25E-01 | 0.065 | 0.076 | 0.84 | 0.66 - 1.06 | 0.70 | 2.55E-04 | PLSCR5(dist=68035), ZIC4(dist=711797) | intergenic |
| 8 | 38898288 | A | G | rs58971487 | 7.72E-01 | 0.079 | 0.082 | 0.95 | 0.76 - 1.2 | 1.26E-06 | 0.115 | 0.073 | 1.65 | 1.36 - 2 | 1.37 | 2.55E-04 | ADAM9 | intronic |
| 19 | 20407227 | C | A | rs56291329 | 2.90E-01 | 0.093 | 0.081 | 1.17 | 0.94 - 1.45 | 5.25E-05 | 0.111 | 0.086 | 1.32 | 1.09 - 1.6 | 1.40 | 2.55E-04 | ZNF486(dist=95928), MIR1270(dist=102854) | intergenic |
| 8 | 57792222 | G | A | rs4304324 | 2.93E-01 | 0.287 | 0.279 | 1.04 | 0.91 - 1.19 | 3.64E-05 | 0.318 | 0.259 | 1.34 | 1.18 - 1.52 | 1.20 | 2.56E-04 | LINC00968(dist=319840), IMPAD1(dist=78266) | intergenic |
| 15 | 89860931 | T | G | rs3176231 | 3.01E-01 | 0.064 | 0.061 | 1.07 | 0.83 - 1.38 | 2.83E-05 | 0.078 | 0.048 | 1.66 | 1.32 - 2.09 | 1.43 | 2.59E-04 | POLG | intronic |
| 1 | 1054893 | T | C | rs4970412;rs386627442 | 3.03E-01 | 0.476 | 0.477 | 1.00 | 0.88 - 1.13 | 2.00E-05 | 0.482 | 0.408 | 1.35 | 1.2 - 1.52 | 1.19 | 2.59E-04 | C1orf159(dist=3157), LINC01342(dist=17504) | intergenic |
| 4 | 58395759 | C | T | rs6814252 | 3.16E-01 | 0.032 | 0.028 | 1.19 | 0.83 - 1.7 | 3.42E-05 | 0.041 | 0.021 | 2.00 | 1.45 - 2.75 | 1.71 | 2.59E-04 | LOC101928851(dist=63607), NONE(dist=NONE) | intergenic |
| 11 | 102694600 | G | A | rs142132409 | 2.41E-01 | 0.034 | 0.029 | 1.17 | 0.83 - 1.66 | 4.74E-05 | 0.046 | 0.025 | 1.89 | 1.4 - 2.55 | 1.66 | 2.60E-04 | WTAPP1 | ncRNA_intronic |
| 16 | 2071081 | A | G | rs138546243 | 1.55E-05 | 0.054 | 0.034 | 1.64 | 1.22 - 2.21 | 4.01E-01 | 0.033 | 0.027 | 1.22 | 0.87 - 1.7 | 1.73 | 2.66E-04 | NPW | downstream |
| 8 | 57795779 | G | A | rs16921243 | 2.93E-01 | 0.287 | 0.279 | 1.04 | 0.91 - 1.19 | 3.80E-05 | 0.316 | 0.257 | 1.34 | 1.18 - 1.52 | 1.20 | 2.68E-04 | LINC00968(dist=323397), IMPAD1(dist=74709) | intergenic |
| 14 | 62728273 | T | G | rs12185062 | 6.00E-01 | 0.396 | 0.398 | 1.01 | 0.89 - 1.14 | 5.56E-06 | 0.428 | 0.353 | 0.73 | 0.65 - 0.82 | 0.84 | 2.68E-04 | LINC00644(dist=121582), KCNH5(dist=445018) | intergenic |
| 14 | 62730856 | G | A | rs10151292 | 5.75E-01 | 0.398 | 0.399 | 1.00 | 0.88 - 1.14 | 6.40E-06 | 0.432 | 0.360 | 0.74 | 0.65 - 0.83 | 0.84 | 2.71E-04 | LINC00644(dist=124165), KCNH5(dist=442435) | intergenic |
| 8 | 38909156 | G | A | rs73674693 | 8.18E-01 | 0.080 | 0.084 | 0.95 | 0.76 - 1.19 | 1.15E-06 | 0.117 | 0.074 | 1.66 | 1.37 - 2.01 | 1.36 | 2.73E-04 | ADAM9 | intronic |
| 14 | 85312224 | G | C | rs76532095 | 4.02E-05 | 0.089 | 0.062 | 1.48 | 1.18 - 1.87 | 2.67E-01 | 0.064 | 0.054 | 1.18 | 0.93 - 1.51 | 1.43 | 2.74E-04 | NONE(dist=NONE), LINC00911(dist=547999) | intergenic |
| 14 | 62727663 | G | C | rs12889289 | 6.17E-01 | 0.396 | 0.398 | 1.01 | 0.89 - 1.14 | 5.28E-06 | 0.428 | 0.353 | 0.73 | 0.65 - 0.82 | 0.84 | 2.75E-04 | LINC00644(dist=120972), KCNH5(dist=445628) | intergenic |
| 3 | 30198702 | T | C | rs142984678 | 5.16E-01 | 0.023 | 0.022 | 1.02 | 0.67 - 1.55 | 1.50E-05 | 0.041 | 0.023 | 1.86 | 1.36 - 2.55 | 1.84 | 2.87E-04 | RBMS3(dist=146816), TGFBR2(dist=449292) | intergenic |
| 4 | 58639261 | A | C | rs1509537 | 5.19E-01 | 0.048 | 0.045 | 1.07 | 0.8 - 1.44 | 6.14E-06 | 0.057 | 0.030 | 1.97 | 1.5 - 2.59 | 1.50 | 2.88E-04 | LOC101928851(dist=307109), NONE(dist=NONE) | intergenic |
| 8 | 61461279 | G | C | rs184250282 | 2.35E-05 | 0.243 | 0.297 | 0.76 | 0.66 - 0.88 | 2.76E-01 | 0.258 | 0.271 | 0.94 | 0.82 - 1.07 | 0.81 | 2.91E-04 | RAB2A | intronic |
| 8 | 61511366 | A | C | rs6995515 | 5.64E-05 | 0.337 | 0.396 | 0.68 | 0.68 - 0.88 | 2.02E-01 | 0.366 | 0.384 | 0.93 | 0.82 - 1.04 | 0.84 | 2.93E-04 | RAB2A | intronic |
| 3 | 61144427 | T | C | rs17064527 | 2.11E-01 | 0.061 | 0.055 | 1.12 | 0.86 - 1.45 | 5.24E-05 | 0.065 | 0.040 | 1.66 | 1.29 - 2.12 | 1.47 | 2.95E-04 | FHIT | intronic |
| 21 | 34031856 | C | T | rs845006 | 4.42E-06 | 0.111 | 0.161 | 0.65 | 0.54 - 0.79 | 5.60E-01 | 0.134 | 0.136 | 0.98 | 0.82 - 1.16 | 0.78 | 2.96E-04 | SYNJ1 | intronic |
| 8 | 66476668 | A | G | rs181816253 | 3.83E-01 | 0.081 | 0.073 | 1.13 | 0.9 - 1.42 | 2.44E-05 | 0.106 | 0.078 | 1.41 | 1.16 - 1.72 | 1.37 | 3.00E-04 | LINC01299(dist=1767), ARMC1(dist=38023) | intergenic |
| 13 | 48963316 | T | A | rs77573355 | 2.41E-01 | 0.093 | 0.087 | 1.08 | 0.87 - 1.33 | 5.11E-05 | 0.105 | 0.068 | 1.60 | 1.31 - 1.95 | 1.36 | 3.00E-04 | RB1 | intronic |
| 2 | 103001402 | C | T | rs1035130 | 3.45E-01 | 0.148 | 0.153 | 0.96 | 0.81 - 1.14 | 2.10E-05 | 0.126 | 0.176 | 0.67 | 0.57 - 0.8 | 0.80 | 3.02E-04 | IL18R1 | exonic |
| 3 | 116942043 | C | T | rs9757453 | 3.42E-05 | 0.250 | 0.297 | 1.27 | 1.1 - 1.46 | 2.87E-01 | 0.280 | 0.298 | 1.09 | 0.96 - 1.24 | 1.20 | 3.05E-04 | LINC00901(dist=290958), IGSF11(dist=1677436) | intergenic |
| 2 | 224823604 | C | A | rs73992134 | 5.87E-07 | 0.052 | 0.025 | 2.13 | 1.54 - 2.93 | 7.20E-01 | 0.026 | 0.027 | 0.99 | 0.68 - 1.42 | 1.68 | 3.06E-04 | MRPL44 | intronic |
| 8 | 66474399 | G | A | rs7008671 | 3.29E-01 | 0.078 | 0.068 | 1.16 | 0.91 - 1.46 | 3.61E-05 | 0.098 | 0.071 | 1.43 | 1.17 - 1.75 | 1.38 | 3.06E-04 | LINC01299 | ncRNA_intronic |
| 5 | 131253630 | T | C | rs149204682 | 2.67E-05 | 0.044 | 0.027 | 1.68 | 1.21 - 2.34 | 3.37E-01 | 0.034 | 0.028 | 1.21 | 0.87 - 1.69 | 1.72 | 3.07E-04 | MEIKIN | intronic |
| 5 | 117739303 | T | C | rs58895319 | 5.71E-01 | 0.088 | 0.088 | 1.00 | 0.8 - 1.24 | 3.54E-06 | 0.112 | 0.074 | 1.58 | 1.3 - 1.92 | 1.39 | 3.07E-04 | LOC101927280 | ncRNA_intronic |
| 10 | 45580512 | T | C | rs146136939 | 3.90E-01 | 0.030 | 0.028 | 1.05 | 0.73 - 1.52 | 3.02E-05 | 0.043 | 0.022 | 1.98 | 1.45 - 2.7 | 1.70 | 3.12E-04 | ZNF22(dist=79735), RSU1P2(dist=14412) | intergenic |
| 1 | 237844546 | G | A | rs16835619 | 1.20E-01 | 0.087 | 0.080 | 1.11 | 0.88 - 1.38 | 5.96E-05 | 0.081 | 0.057 | 1.46 | 1.17 - 1.82 | 1.46 | 3.12E-04 | RYR2 | intronic |
| 8 | 66556187 | C | T | rs10504389 | 4.50E-01 | 0.078 | 0.070 | 1.13 | 0.9 - 1.43 | 1.63E-05 | 0.101 | 0.072 | 1.45 | 1.18 - 1.77 | 1.37 | 3.13E-04 | MTFR1 | upstream |
| 8 | 38889598 | C | T | rs78227456 | 8.63E-01 | 0.076 | 0.080 | 0.94 | 0.75 - 1.19 | 1.13E-06 | 0.113 | 0.071 | 1.68 | 1.38 - 2.03 | 1.36 | 3.14E-04 | ADAM9 | intronic |
| 1 | 1042483 | C | T | rs12733365 | 3.19E-01 | 0.460 | 0.460 | 1.00 | 0.88 - 1.13 | 2.86E-05 | 0.488 | 0.414 | 1.35 | 1.2 - 1.52 | 1.18 | 3.14E-04 | C1orf159 | intronic |
| 8 | 38889871 | G | A | rs143600640 | 8.63E-01 | 0.076 | 0.080 | 0.94 | 0.75 - 1.19 | 1.14E-06 | 0.113 | 0.071 | 1.67 | 1.38 - 2.03 | 1.36 | 3.15E-04 | ADAM9 | intronic |
| 8 | 38859104 | G | A | rs59451782 | 8.45E-01 | 0.072 | 0.076 | 0.94 | 0.74 - 1.19 | 1.65E-06 | 0.111 | 0.069 | 1.69 | 1.39 - 2.05 | 1.36 | 3.15E-04 | ADAM9 | intronic |
| 8 | 38880401 | T | C | rs140954145 | 8.64E-01 | 0.076 | 0.080 | 0.94 | 0.75 - 1.19 | 1.14E-06 | 0.113 | 0.070 | 1.68 | 1.38 - 2.03 | 1.36 | 3.16E-04 | ADAM9 | intronic |
| 17 | 32566741 | G | A | rs62054927 | 2.74E-05 | 0.083 | 0.056 | 1.52 | 1.2 - 1.93 | 3.05E-01 | 0.071 | 0.067 | 1.06 | 0.84 - 1.33 | 1.53 | 3.20E-04 | LOC101927239(dist=56090), CCL2(dist=15555) | intergenic |
| 7 | 113507691 | G | A | rs10808174 | 5.74E-01 | 0.479 | 0.477 | 0.99 | 0.88 - 1.12 | 5.68E-06 | 0.521 | 0.451 | 0.76 | 0.67 - 0.85 | 0.84 | 3.23E-04 | LINC00998(dist=749054), PPP1R3A(dist=9191) | intergenic |
| 14 | 62730395 | A | C | rs4902121 | 5.78E-01 | 0.397 | 0.398 | 1.00 | 0.88 - 1.14 | 4.77E-06 | 0.420 | 0.350 | 0.74 | 0.66 - 0.84 | 0.84 | 3.23E-04 | LINC00644(dist=123704), KCNH5(dist=442896) | intergenic |
| 2 | 18477797 | C | A | rs147511530 | 2.75E-01 | 0.225 | 0.218 | 1.04 | 0.89 - 1.21 | 2.51E-05 | 0.245 | 0.198 | 1.32 | 1.15 - 1.51 | 1.28 | 3.25E-04 | KCNS3(dist=363572), RDH14(dist=258192) | intergenic |
| 10 | 45584974 | T | C | rs1856597 | 3.98E-01 | 0.030 | 0.028 | 1.05 | 0.73 - 1.52 | 3.08E-05 | 0.043 | 0.022 | 1.97 | 1.44 - 2.68 | 1.70 | 3.27E-04 | ZNF22(dist=84197), RSU1P2(dist=9950) | intergenic |
| 5 | 31709063 | T | C | rs10040188 | 3.02E-05 | 0.464 | 0.401 | 0.77 | 0.68 - 0.88 | 3.55E-01 | 0.438 | 0.428 | 0.96 | 0.85 - 1.08 | 0.83 | 3.28E-04 | C5orf22(dist=153898), PDZD2(dist=89968) | intergenic |
| 21 | 41263944 | A | G | rs12627485 | 3.76E-05 | 0.184 | 0.234 | 0.74 | 0.63 - 0.86 | 2.41E-01 | 0.217 | 0.224 | 0.96 | 0.83 - 1.11 | 0.80 | 3.29E-04 | PCP4 | intronic |
| 13 | 56745881 | A | G | rs77735226 | 3.96E-01 | 0.154 | 0.170 | 0.89 | 0.75 - 1.05 | 3.34E-05 | 0.130 | 0.169 | 0.73 | 0.62 - 0.87 | 0.80 | 3.34E-04 | MIR5007(dist=997198), PRR20D(dist=969171) | intergenic |
| 14 | 62732172 | A | G | rs34956369;rs11158388 | 5.96E-01 | 0.398 | 0.400 | 1.01 | 0.89 - 1.14 | 6.78E-06 | 0.443 | 0.373 | 0.75 | 0.66 - 0.84 | 0.84 | 3.40E-04 | LINC00644(dist=125481), KCNH5(dist=441119) | intergenic |
| 2 | 103029165 | A | T | rs11693955 | 2.54E-01 | 0.145 | 0.152 | 0.95 | 0.79 - 1.13 | 6.08E-05 | 0.126 | 0.174 | 0.68 | 0.58 - 0.81 | 0.80 | 3.42E-04 | IL18R1(dist=13930), IL18RAP(dist=6085) | intergenic |
| 2 | 103006387 | A | G | rs4851570 | 2.74E-01 | 0.146 | 0.152 | 0.95 | 0.8 - 1.13 | 5.05E-05 | 0.127 | 0.176 | 0.68 | 0.58 - 0.81 | 0.80 | 3.43E-04 | IL18R1 | intronic |
| 7 | 79047850 | A | C | rs80041322 | 3.52E-01 | 0.075 | 0.070 | 1.07 | 0.85 - 1.36 | 1.99E-05 | 0.098 | 0.066 | 1.54 | 1.25 - 1.89 | 1.39 | 3.44E-04 | MAGI2 | intronic |
| 2 | 224805727 | T | C | rs184109162 | 6.44E-07 | 0.051 | 0.025 | 2.13 | 1.54 - 2.94 | 7.86E-01 | 0.028 | 0.028 | 1.01 | 0.71 - 1.43 | 1.67 | 3.46E-04 | WDFY1 | intronic |
| 1 | 172929238 | G | A | rs74711045 | 3.28E-01 | 0.039 | 0.035 | 1.13 | 0.82 - 1.57 | 1.81E-05 | 0.044 | 0.023 | 1.99 | 1.46 - 2.7 | 1.63 | 3.48E-04 | FASLG(dist=293226), TNFSF18(dist=81122) | intergenic |
| 8 | 57801081 | G | A | rs6996264 | 3.49E-01 | 0.289 | 0.283 | 1.03 | 0.9 - 1.18 | 3.5 | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 2 | 102995020 | G | A | rs2080289 | 3.79E-01 | 0.149 | 0.153 | 0.97 | 0.81 | -1.15 | 2.08E-05 | 0.126 | 0.176 | 0.67 | 0.57 | -0.8 | 0.80 | 3.61E-04 | IL18R1 | intronic |
| 2 | 102997733 | G | T | rs11465633 | 3.68E-01 | 0.148 | 0.153 | 0.97 | 0.81 | -1.15 | 2.26E-05 | 0.126 | 0.176 | 0.67 | 0.57 | -0.8 | 0.80 | 3.61E-04 | IL18R1 | intronic |
| 7 | 137566107 | A | G | rs115675456 | 3.82E-05 | 0.041 | 0.028 | 1.51 | 1.08 | -2.11 | 4.14E-01 | 0.024 | 0.020 | 1.18 | 0.8 | -1.74 | 2.01 | 3.62E-04 | CREB3L2 | intronic |
| 2 | 102997174 | A | T | rs3771162 | 3.69E-01 | 0.148 | 0.153 | 0.97 | 0.81 | -1.15 | 2.26E-05 | 0.126 | 0.176 | 0.67 | 0.57 | -0.8 | 0.80 | 3.62E-04 | IL18R1 | intronic |
| 2 | 102996872 | C | T | rs3821203 | 3.70E-01 | 0.148 | 0.153 | 0.97 | 0.81 | -1.15 | 2.25E-05 | 0.126 | 0.176 | 0.67 | 0.57 | -0.8 | 0.80 | 3.63E-04 | IL18R1 | intronic |
| 4 | 58166994 | G | T | rs56062419 | 8.07E-01 | 0.042 | 0.042 | 1.00 | 0.74 | -1.37 | 5.18E-07 | 0.053 | 0.027 | 2.02 | 1.52 | -2.67 | 1.56 | 3.64E-04 | IGFBP7-AS1(dist=95529), LOC101928851(dist=125044) | intergenic |
| 4 | 7755272 | G | A | rs16841024 | 3.64E-06 | 0.050 | 0.029 | 1.78 | 1.3 | -2.43 | 6.88E-01 | 0.035 | 0.031 | 1.11 | 0.8 | -1.54 | 1.65 | 3.65E-04 | AFAP1-AS1 | upstream |
| 8 | 38876836 | T | C | rs56316649 | 9.22E-01 | 0.077 | 0.082 | 0.93 | 0.74 | -1.18 | 1.16E-06 | 0.115 | 0.072 | 1.68 | 1.39 | -2.04 | 1.35 | 3.67E-04 | ADAM9 | intronic |
| 7 | 79028914 | G | C | rs77157421 | 3.31E-01 | 0.075 | 0.070 | 1.08 | 0.85 | -1.37 | 2.61E-05 | 0.096 | 0.065 | 1.53 | 1.24 | -1.88 | 1.40 | 3.68E-04 | MAGI2 | intronic |
| 2 | 102994884 | A | G | rs17027037 | 3.73E-01 | 0.149 | 0.153 | 0.97 | 0.81 | -1.15 | 2.25E-05 | 0.126 | 0.176 | 0.67 | 0.57 | -0.8 | 0.80 | 3.69E-04 | IL18R1 | intronic |
| 4 | 58217300 | A | G | rs73818809 | 5.59E-01 | 0.032 | 0.030 | 1.06 | 0.75 | -1.52 | 4.96E-06 | 0.043 | 0.021 | 2.09 | 1.53 | -2.87 | 1.64 | 3.69E-04 | IGFBP7-AS1(dist=145835), LOC101928851(dist=74738) | intergenic |
| 9 | 130386355 | A | G | rs71495654;rs188914096 | 1.37E-05 | 0.115 | 0.087 | 1.37 | 1.12 | -1.68 | 3.70E-01 | 0.100 | 0.092 | 1.09 | 0.89 | -1.33 | 1.41 | 3.70E-04 | STXBP1 | intronic |
| 14 | 62750791 | G | A | rs12889730 | 4.25E-01 | 0.404 | 0.394 | 1.04 | 0.92 | -1.18 | 3.16E-05 | 0.436 | 0.371 | 1.31 | 1.16 | -1.48 | 1.18 | 3.70E-04 | LINC00644(dist=144100), KCNH5(dist=422500) | intergenic |
| 2 | 103007567 | T | C | rs17027060 | 2.83E-01 | 0.146 | 0.152 | 0.95 | 0.8 | -1.13 | 5.28E-05 | 0.128 | 0.176 | 0.68 | 0.58 | -0.81 | 0.80 | 3.71E-04 | IL18R1 | intronic |
| 20 | 8162808 | A | C | rs73895566 | 4.89E-05 | 0.096 | 0.067 | 1.48 | 1.18 | -1.85 | 4.83E-01 | 0.055 | 0.049 | 1.14 | 0.88 | -1.48 | 1.43 | 3.72E-04 | PLCB1 | intronic |
| 2 | 102992079 | A | G | rs2270298 | 3.73E-01 | 0.149 | 0.153 | 0.97 | 0.81 | -1.15 | 2.30E-05 | 0.126 | 0.176 | 0.67 | 0.57 | -0.8 | 0.80 | 3.73E-04 | IL18R1 | intronic |
| 2 | 224830579 | T | G | rs76359982 | 1.16E-06 | 0.052 | 0.026 | 2.02 | 1.47 | -2.77 | 7.90E-01 | 0.027 | 0.027 | 1.00 | 0.69 | -1.43 | 1.68 | 3.74E-04 | MRPL44 | intronic |
| 9 | 21339969 | C | A | rs12237982 | 3.54E-01 | 0.300 | 0.293 | 1.04 | 0.9 | -1.19 | 4.81E-05 | 0.337 | 0.283 | 1.29 | 1.14 | -1.46 | 1.20 | 3.76E-04 | KLHL9(dist=4540), IFNA6(dist=10348) | intergenic |
| 18 | 6557401 | G | A | rs78408598 | 8.20E-01 | 0.146 | 0.150 | 0.97 | 0.81 | -1.16 | 9.65E-07 | 0.195 | 0.144 | 1.44 | 1.24 | -1.68 | 1.29 | 3.78E-04 | LINC01387 | ncRNA_intronic |
| 6 | 14767040 | T | A | rs9476656 | 9.00E-06 | 0.419 | 0.461 | 1.19 | 1.05 | -1.35 | 4.46E-01 | 0.529 | 0.492 | 1.16 | 1.03 | -1.3 | 1.19 | 3.79E-04 | LINC01108(dist=481355), JARID2(dist=479166) | intergenic |
| 13 | 49081064 | C | G | rs9332022 | 4.63E-01 | 0.091 | 0.088 | 1.04 | 0.84 | -1.29 | 1.98E-05 | 0.123 | 0.081 | 1.60 | 1.33 | -1.93 | 1.32 | 3.79E-04 | RCBTB2 | intronic |
| 11 | 48369201 | A | G | rs11039690 | 3.10E-01 | 0.497 | 0.499 | 0.99 | 0.88 | -1.13 | 6.11E-05 | 0.526 | 0.459 | 0.77 | 0.68 | -0.86 | 0.84 | 3.82E-04 | OR4C45 | intronic |
| 7 | 79032723 | T | C | rs78250065 | 3.34E-01 | 0.075 | 0.070 | 1.08 | 0.85 | -1.37 | 2.72E-05 | 0.096 | 0.065 | 1.53 | 1.24 | -1.88 | 1.39 | 3.82E-04 | MAGI2 | intronic |
| 7 | 89765561 | T | C | rs39253 | 1.37E-05 | 0.306 | 0.250 | 0.75 | 0.66 | -0.86 | 4.26E-01 | 0.271 | 0.261 | 0.95 | 0.83 | -1.08 | 0.82 | 3.83E-04 | STEAP2-AS1 | ncRNA_intronic |
| 8 | 38969233 | C | A | rs146477036 | 8.47E-01 | 0.079 | 0.083 | 0.95 | 0.76 | -1.19 | 2.42E-06 | 0.117 | 0.076 | 1.61 | 1.33 | -1.95 | 1.36 | 3.84E-04 | ADAM32 | intronic |
| 11 | 5436978 | C | G | rs137890408 | 2.98E-01 | 0.367 | 0.365 | 0.99 | 0.87 | -1.13 | 5.88E-05 | 0.417 | 0.354 | 0.77 | 0.68 | -0.86 | 0.84 | 3.86E-04 | OR51B5 | intronic |
| 6 | 89994698 | C | G | rs9362632 | 1.88E-05 | 0.199 | 0.249 | 0.75 | 0.64 | -0.87 | 4.47E-01 | 0.216 | 0.228 | 0.93 | 0.81 | -1.07 | 0.81 | 3.89E-04 | GABRR2 | intronic |
| 2 | 103008969 | C | G | rs66919607 | 2.88E-01 | 0.146 | 0.152 | 0.95 | 0.8 | -1.13 | 5.47E-05 | 0.128 | 0.176 | 0.69 | 0.58 | -0.81 | 0.80 | 3.90E-04 | IL18R1 | intronic |
| 2 | 140219123 | G | A | rs34033127 | 3.89E-01 | 0.479 | 0.483 | 1.02 | 0.9 | -1.15 | 1.71E-05 | 0.537 | 0.469 | 1.31 | 1.17 | -1.48 | 1.18 | 3.92E-04 | YY1P2(dist=562379), LRP1B(dist=769873) | intergenic |
| 5 | 124302505 | C | T | rs139618815 | 3.00E-05 | 0.084 | 0.126 | 0.64 | 0.52 | -0.79 | 3.39E-01 | 0.106 | 0.109 | 0.96 | 0.8 | -1.16 | 0.75 | 3.93E-04 | ZNF608(dist=221700), LOC101927421(dist=70019) | intergenic |
| 12 | 98558696 | A | C | rs12317134 | 4.40E-01 | 0.092 | 0.090 | 1.03 | 0.83 | -1.28 | 3.19E-05 | 0.120 | 0.081 | 1.55 | 1.28 | -1.87 | 1.32 | 3.97E-04 | MIR4303(dist=169470), SLC9A7P1(dist=288923) | intergenic |
| 3 | 102475861 | T | C | rs114157925 | 2.84E-01 | 0.040 | 0.036 | 1.11 | 0.81 | -1.54 | 2.21E-05 | 0.040 | 0.024 | 1.70 | 1.24 | -2.32 | 1.77 | 4.00E-04 | ZPLD1(dist=277176), MIR548AB(dist=767016) | intergenic |
| 4 | 58204763 | T | C | rs73819101 | 4.83E-01 | 0.033 | 0.030 | 1.09 | 0.77 | -1.55 | 9.68E-06 | 0.041 | 0.020 | 2.07 | 1.5 | -2.86 | 1.65 | 4.04E-04 | IGFBP7-AS1(dist=133298), LOC101928851(dist=87275) | intergenic |
| 4 | 58108131 | T | C | rs13147707 | 5.15E-01 | 0.273 | 0.282 | 0.96 | 0.83 | -1.1 | 2.11E-05 | 0.221 | 0.270 | 0.77 | 0.67 | -0.86 | 0.84 | 4.06E-04 | IGFBP7-AS1(dist=36666), LOC101928851(dist=183907) | intergenic |
| 2 | 224830584 | T | C | rs77875219 | 9.20E-07 | 0.051 | 0.025 | 2.06 | 1.49 | -2.84 | 7.33E-01 | 0.026 | 0.027 | 0.99 | 0.69 | -1.42 | 1.68 | 4.08E-04 | MRPL44 | intronic |
| 7 | 46073649 | C | G | rs1540824 | 2.90E-01 | 0.410 | 0.385 | 0.90 | 0.79 | -1.02 | 5.52E-05 | 0.489 | 0.439 | 0.82 | 0.73 | -0.92 | 0.85 | 4.08E-04 | IGFBP3(dist=112778), TNS3(dist=1241103) | intergenic |
| 10 | 15466017 | G | C | rs55842426 | 3.40E-01 | 0.118 | 0.106 | 1.13 | 0.93 | -1.37 | 6.04E-05 | 0.136 | 0.104 | 1.36 | 1.14 | -1.62 | 1.30 | 4.09E-04 | FAM171A1(dist=52959), ITGA8(dist=89931) | intergenic |
| 7 | 79052139 | T | C | rs17152485 | 4.05E-01 | 0.075 | 0.072 | 1.06 | 0.83 | -1.34 | 1.67E-05 | 0.098 | 0.066 | 1.54 | 1.26 | -1.89 | 1.39 | 4.13E-04 | MAGI2 | intronic |
| 15 | 99738917 | A | G | rs73463359 | 3.31E-01 | 0.109 | 0.122 | 0.88 | 0.72 | -1.07 | 5.68E-05 | 0.085 | 0.117 | 0.70 | 0.57 | -0.86 | 0.78 | 4.16E-04 | TTC23 | intronic |
| 11 | 5436753 | A | T | rs77256782 | 3.96E-01 | 0.385 | 0.387 | 1.01 | 0.89 | -1.15 | 2.97E-05 | 0.437 | 0.372 | 0.76 | 0.68 | -0.86 | 0.84 | 4.17E-04 | OR51B5 | intronic |
| 8 | 38839492 | G | T | rs111979509 | 9.43E-01 | 0.074 | 0.079 | 0.94 | 0.74 | -1.18 | 1.19E-06 | 0.111 | 0.068 | 1.70 | 1.4 | -2.07 | 1.35 | 4.20E-04 | HTRA4 | intronic |
| 15 | 75304754 | C | T | rs78434425 | 3.63E-01 | 0.052 | 0.044 | 1.21 | 0.91 | -1.61 | 2.81E-05 | 0.069 | 0.047 | 1.51 | 1.19 | -1.91 | 1.51 | 4.21E-04 | SCAMP5 | intronic |
| 3 | 124247149 | G | A | rs332414 | 6.03E-01 | 0.109 | 0.094 | 0.85 | 0.7 | -1.05 | 1.15E-05 | 0.139 | 0.107 | 0.74 | 0.62 | -0.88 | 0.76 | 4.23E-04 | KALRN | intronic |
| 17 | 42330122 | C | T | rs1476512 | 4.01E-05 | 0.143 | 0.085 | 1.79 | 1.48 | -2.17 | 2.90E-01 | 0.160 | 0.169 | 0.94 | 0.8 | -1.1 | 1.30 | 4.29E-04 | SLC4A1 | intronic |
| 9 | 36135779 | G | A | rs7025470 | 1.43E-05 | 0.116 | 0.082 | 1.47 | 1.2 | -1.8 | 5.30E-01 | 0.084 | 0.075 | 1.13 | 0.91 | -1.4 | 1.36 | 4.32E-04 | GLIPR2 | upstream |
| 14 | 62761877 | G | A | rs8007207;rs386778162 | 4.58E-01 | 0.401 | 0.392 | 1.04 | 0.92 | -1.18 | 3.35E-05 | 0.428 | 0.363 | 1.31 | 1.16 | -1.48 | 1.17 | 4.35E-04 | LINC00644(dist=155186), KCNH5(dist=411414) | intergenic |
| 6 | 14764738 | G | A | rs747487 | 2.54E-05 | 0.363 | 0.404 | 0.84 | 0.74 | -0.96 | 4.29E-01 | 0.388 | 0.421 | 0.87 | 0.77 | -0.98 | 0.84 | 4.36E-04 | LINC01108(dist=479053), JARID2(dist=481468) | intergenic |
| 2 | 103015918 | C | T | rs17027087 | 2.91E-01 | 0.146 | 0.152 | 0.95 | 0.8 | -1.13 | 6.31E-05 | 0.126 | 0.174 | 0.68 | 0.58 | -0.81 | 0.80 | 4.39E-04 | IL18R1 | downstream |
| 15 | 99709018 | C | T | rs73482328 | 3.46E-01 | 0.109 | 0.122 | 0.88 | 0.73 | -1.07 | 5.32E-05 | 0.085 | 0.117 | 0.70 | 0.57 | -0.86 | 0.78 | 4.41E-04 | TTC23 | intronic |
| 1 | 118141596 | A | G | rs374959453;rs10923350 | 5.96E-01 | 0.233 | 0.240 | 0.96 | 0.83 | -1.12 | 3.27E-06 | 0.211 | 0.262 | 0.75 | 0.65 | -0.87 | 0.82 | 4.41E-04 | LOC100996263 | ncRNA_intronic |
| 3 | 64009508 | T | C | rs40610 | 9.94E-01 | 0.216 | 0.219 | 0.98 | 0.85 | -1.14 | 1.23E-06 | 0.273 | 0.217 | 1.36 | 1.19 | -1.55 | 1.21 | 4.41E-04 | PSMD6 | exonic |
| 8 | 38840708 | G | C | rs80147677 | 9.54E-01 | 0.074 | 0.079 | 0.93 | 0.74 | -1.18 | 1.26E-06 | 0.111 | 0.068 | 1.70 | 1.4 | -2.07 | 1.35 | 4.43E-04 | HTRA4 | intronic |
| 21 | 34044243 | C | T | rs845026 | 4.51E-06 | 0.111 | 0.161 | 0.65 | 0.54 | -0.79 | 6.53E-01 | 0.137 | 0.138 | 0.99 | 0.83 | -1.17 | 0.79 | 4.44E-04 | SYNJ1 | intronic |
| 15 | 99712027 | G | A | rs113199254 | 3.49E-01 | 0.109 | 0.122 | 0.88 | 0.73 | -1.07 | 5.24E-05 | 0.084 | 0.116 | 0.70 | 0.57 | -0.86 | 0.78 | 4.45E-04 | TTC23 | intronic |
| 5 | 147024476 | C | A | rs2116766 | 2.72E-01 | 0.393 | 0.426 | 0.87 | 0.77 | -0.99 | 5.11E-05 | 0.338 | 0.373 | 0.86 | 0.76 | -0.97 | 0.85 | 4.49E-04 | JAKMIP2 | exonic |
| 1 | 1044424 | T | C | rs57107904 | 2.88E-01 | 0.414 | 0.411 | 1.01 | 0.89 | -1.14 | 5.06E-05 | 0.426 | 0.363 | 1.30 | 1.16 | -1.47 | 1.19 | 4.50E-04 | C1orf159 | intronic |
| 15 | 99719303 | A | G | rs59742583 | 3.51E-01 | 0.109 | 0.122 | 0.88 | 0.73 | -1.07 | 5.36E-05 | 0.085 | 0.117 | 0.70 | 0.57 | -0.86 | 0.78 | 4.53E-04 | TTC23 | intronic |
| 7 | 46073275 | T | C | rs1540825 | 3.05E-01 | 0.414 | 0.390 | 0.90 | 0.8 | -1.03 | 6.00E-05 | 0.489 | 0.439 | 0.82 | 0.73 | -0.92 | 0.85 | 4.59E-04 | IGFBP3(dist=112404), TNS3(dist=1241477) | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 14 | 69498110 | T | C | rs4338726 | 5.96E-05 | 0.441 | 0.379 | 1.29 | 1.14 | -1.47 | 3.69E-01 | 0.391 | 0.376 | 1.07 | 0.95 | -1.21 | 1.18 | 4.66E-04 | ACTN1-AS1(dist=43930), DCAF5(dist=19527) | intergenic |
| 7 | 79046112 | G | A | rs2190180 | 3.18E-01 | 0.075 | 0.070 | 1.08 | 0.85 | -1.37 | 4.50E-05 | 0.096 | 0.066 | 1.51 | 1.23 | -1.86 | 1.39 | 4.66E-04 | MAGI2 | intronic |
| 7 | 79061474 | C | T | rs28469849 | 3.18E-01 | 0.076 | 0.071 | 1.08 | 0.85 | -1.37 | 5.22E-05 | 0.098 | 0.067 | 1.51 | 1.23 | -1.85 | 1.38 | 4.67E-04 | MAGI2 | intronic |
| 14 | 30787427 | T | C | rs189793559 | 3.00E-01 | 0.027 | 0.034 | 0.78 | 0.54 | -1.12 | 3.86E-05 | 0.016 | 0.031 | 0.52 | 0.33 | -0.8 | 0.59 | 4.74E-04 | PRKD1(dist=390528), G2E3(dist=240902) | intergenic |
| 4 | 20596679 | C | T | rs6847533 | 2.01E-05 | 0.163 | 0.220 | 0.69 | 0.59 | -0.81 | 5.68E-01 | 0.190 | 0.188 | 1.01 | 0.87 | -1.18 | 0.80 | 4.75E-04 | SLIT2 | intronic |
| 14 | 62756176 | A | G | rs12882108 | 4.49E-01 | 0.400 | 0.390 | 1.04 | 0.92 | -1.18 | 4.40E-05 | 0.433 | 0.369 | 1.31 | 1.16 | -1.47 | 1.17 | 4.75E-04 | LINC00644(dist=149485), KCNH5(dist=417115) | intergenic |
| 21 | 34013779 | A | G | rs28449995 | 1.24E-05 | 0.108 | 0.155 | 0.66 | 0.55 | -0.8 | 5.35E-01 | 0.131 | 0.134 | 0.97 | 0.82 | -1.16 | 0.79 | 4.77E-04 | SYNJ1 | intronic |
| 7 | 158015457 | T | C | rs6948273 | 5.20E-01 | 0.288 | 0.280 | 0.96 | 0.84 | -1.1 | 1.53E-05 | 0.265 | 0.330 | 1.37 | 1.2 | -1.56 | 1.19 | 4.78E-04 | PTRN2 | intronic |
| 14 | 26621638 | A | G | rs17489782 | 9.26E-01 | 0.026 | 0.021 | 1.25 | 0.84 | -1.88 | 6.53E-06 | 0.055 | 0.038 | 1.47 | 1.13 | -1.92 | 1.64 | 4.82E-04 | STXBP6(dist=1102135), NOVA1(dist=293451) | intergenic |
| 14 | 62730285 | C | A | rs4899069 | 7.48E-01 | 0.383 | 0.387 | 1.02 | 0.9 | -1.16 | 5.95E-06 | 0.411 | 0.339 | 0.73 | 0.65 | -0.83 | 0.85 | 4.84E-04 | LINC00644(dist=123594), KCNH5(dist=443006) | intergenic |
| 8 | 38842963 | C | T | rs78165883 | 9.78E-01 | 0.074 | 0.079 | 0.93 | 0.74 | -1.18 | 1.37E-06 | 0.111 | 0.069 | 1.70 | 1.4 | -2.07 | 1.34 | 4.85E-04 | HTRA4 | intronic |
| 6 | 14765162 | C | T | rs731187 | 1.93E-06 | 0.359 | 0.407 | 0.82 | 0.72 | -0.93 | 6.43E-01 | 0.392 | 0.420 | 0.89 | 0.79 | -1 | 0.84 | 4.86E-04 | LINC01108(dist=479477), JARID2(dist=481044) | intergenic |
| 21 | 34020653 | A | G | rs10470165 | 1.23E-05 | 0.111 | 0.158 | 0.66 | 0.55 | -0.8 | 5.42E-01 | 0.131 | 0.134 | 0.97 | 0.82 | -1.16 | 0.79 | 4.87E-04 | SYNJ1 | intronic |
| 4 | 58238701 | G | A | rs73818823 | 4.10E-01 | 0.034 | 0.031 | 1.10 | 0.78 | -1.57 | 3.27E-05 | 0.043 | 0.023 | 1.96 | 1.43 | -2.67 | 1.61 | 4.88E-04 | IGFBP7-AS1(dist=167236), LOC101928851(dist=53337) | intergenic |
| 15 | 58649668 | C | G | rs8036597 | 4.63E-06 | 0.258 | 0.319 | 0.74 | 0.65 | -0.85 | 8.24E-01 | 0.326 | 0.329 | 0.99 | 0.87 | -1.12 | 0.84 | 4.89E-04 | AQP9(dist=171558), LIPC(dist=74507) | intergenic |
| 19 | 58332557 | T | C | rs34270875;rs74181730 | 4.61E-01 | 0.138 | 0.132 | 1.05 | 0.88 | -1.26 | 2.35E-05 | 0.162 | 0.124 | 1.36 | 1.15 | -1.6 | 1.28 | 4.90E-04 | ZNF552(dist=6276), FKBP1AP1(dist=4110) | intergenic |
| 14 | 62732171 | C | T | rs11158387;rs34956369 | 5.49E-01 | 0.396 | 0.397 | 1.00 | 0.88 | -1.14 | 1.67E-05 | 0.429 | 0.362 | 0.76 | 0.67 | -0.85 | 0.85 | 4.92E-04 | LINC00644(dist=125480), KCNH5(dist=441120) | intergenic |
| 4 | 6689813 | C | A | rs186077078 | 6.18E-05 | 0.054 | 0.074 | 0.72 | 0.55 | -0.93 | 3.69E-01 | 0.068 | 0.078 | 0.86 | 0.68 | -1.08 | 0.68 | 4.92E-04 | LOC93622(dist=12039), S100P(dist=5753) | intergenic |
| 8 | 38851738 | C | G | rs73674681 | 9.80E-01 | 0.074 | 0.079 | 0.93 | 0.73 | -1.17 | 1.62E-06 | 0.112 | 0.069 | 1.71 | 1.41 | -2.08 | 1.34 | 4.94E-04 | TM2D2 | intronic |
| 21 | 33996278 | T | C | rs845011 | 4.91E-05 | 0.123 | 0.168 | 0.69 | 0.58 | -0.83 | 3.69E-01 | 0.134 | 0.138 | 0.96 | 0.81 | -1.14 | 0.79 | 4.94E-04 | C21orf59(dist=11360), SYNJ1(dist=4791) | intergenic |
| 1 | 1053670 | G | A | rs4970410 | 3.49E-01 | 0.456 | 0.458 | 0.99 | 0.88 | -1.12 | 3.85E-05 | 0.470 | 0.399 | 1.34 | 1.19 | -1.5 | 1.18 | 4.95E-04 | C1orf159(dist=1934), LINC01342(dist=18727) | intergenic |
| 21 | 34006917 | T | G | rs844985 | 1.46E-05 | 0.111 | 0.158 | 0.67 | 0.55 | -0.81 | 5.19E-01 | 0.134 | 0.137 | 0.97 | 0.82 | -1.16 | 0.79 | 4.96E-04 | SYNJ1 | intronic |
| 2 | 140212737 | T | A | rs72882021 | 4.00E-01 | 0.479 | 0.482 | 1.01 | 0.9 | -1.15 | 2.43E-05 | 0.539 | 0.472 | 1.31 | 1.16 | -1.47 | 1.17 | 5.00E-04 | YY1P2(dist=555993), LRP1B(dist=776259) | intergenic |
| 8 | 38865252 | A | G | rs73674685 | 9.73E-01 | 0.074 | 0.079 | 0.92 | 0.73 | -1.17 | 1.19E-06 | 0.114 | 0.070 | 1.69 | 1.4 | -2.06 | 1.34 | 5.00E-04 | ADAM9 | intronic |
| 14 | 62723926 | T | G | rs1533334 | 5.73E-01 | 0.333 | 0.334 | 1.00 | 0.88 | -1.14 | 1.38E-05 | 0.368 | 0.305 | 0.75 | 0.67 | -0.85 | 0.84 | 5.05E-04 | LINC00644(dist=117235), KCNH5(dist=449365) | intergenic |
| 8 | 38843833 | C | T | rs74560706 | 9.87E-01 | 0.074 | 0.079 | 0.93 | 0.73 | -1.17 | 1.42E-06 | 0.111 | 0.069 | 1.70 | 1.4 | -2.07 | 1.34 | 5.06E-04 | HTRA4 | intronic |
| 7 | 38046849 | T | C | rs1524050 | 4.54E-01 | 0.235 | 0.224 | 1.06 | 0.92 | -1.23 | 2.37E-05 | 0.274 | 0.223 | 1.32 | 1.15 | -1.51 | 1.21 | 5.06E-04 | EPDR1(dist=55307), STARD3NL(dist=170959) | intergenic |
| 16 | 58998739 | C | G | rs144298169 | 3.78E-01 | 0.075 | 0.070 | 1.08 | 0.85 | -1.37 | 3.32E-05 | 0.096 | 0.065 | 1.53 | 1.25 | -1.88 | 1.38 | 5.08E-04 | GOT2(dist=230478), APOOP5(dist=789306) | intergenic |
| 2 | 229296609 | C | A | rs73995283 | 2.79E-01 | 0.098 | 0.093 | 1.06 | 0.86 | -1.3 | 2.56E-05 | 0.105 | 0.072 | 1.52 | 1.24 | -1.85 | 1.35 | 5.09E-04 | SPHKAP(dist=250248), PID1(dist=592080) | intergenic |
| 8 | 61436559 | C | T | rs55825491 | 5.58E-05 | 0.327 | 0.385 | 0.77 | 0.68 | -0.88 | 2.76E-01 | 0.362 | 0.378 | 0.93 | 0.83 | -1.05 | 0.85 | 5.11E-04 | RAB2A | intronic |
| 8 | 38862309 | G | A | rs141553305 | 9.64E-01 | 0.074 | 0.079 | 0.92 | 0.73 | -1.16 | 1.20E-06 | 0.114 | 0.070 | 1.70 | 1.4 | -2.06 | 1.34 | 5.18E-04 | ADAM9 | intronic |
| 8 | 38861549 | A | G | rs73674684 | 9.63E-01 | 0.074 | 0.079 | 0.92 | 0.73 | -1.16 | 1.20E-06 | 0.114 | 0.070 | 1.70 | 1.4 | -2.06 | 1.34 | 5.20E-04 | ADAM9 | intronic |
| 21 | 34020913 | C | T | rs864603 | 1.35E-05 | 0.108 | 0.155 | 0.66 | 0.55 | -0.8 | 5.45E-01 | 0.132 | 0.135 | 0.97 | 0.82 | -1.16 | 0.79 | 5.20E-04 | SYNJ1 | intronic |
| 3 | 143081155 | C | G | rs140013969 | 4.91E-01 | 0.056 | 0.054 | 1.04 | 0.79 | -1.36 | 1.14E-05 | 0.068 | 0.043 | 1.62 | 1.27 | -2.07 | 1.45 | 5.21E-04 | SLC9A9 | intronic |
| 1 | 159081595 | A | C | rs1333243 | 5.56E-01 | 0.379 | 0.356 | 1.10 | 0.97 | -1.25 | 6.94E-06 | 0.437 | 0.402 | 1.15 | 1.03 | -1.3 | 1.22 | 5.23E-04 | AIM2(dist=34948), CADM3(dist=59782) | intergenic |
| 3 | 143080794 | G | A | rs78986929 | 4.91E-01 | 0.056 | 0.054 | 1.04 | 0.79 | -1.36 | 1.15E-05 | 0.068 | 0.043 | 1.62 | 1.27 | -2.07 | 1.45 | 5.24E-04 | SLC9A9 | intronic |
| 3 | 64013249 | T | C | rs35837 | 9.81E-01 | 0.266 | 0.262 | 0.97 | 0.84 | -1.12 | 1.26E-06 | 0.295 | 0.234 | 1.37 | 1.2 | -1.56 | 1.20 | 5.25E-04 | PSMD6(dist=3563), PRICKLE2-AS1(dist=40391) | intergenic |
| 8 | 38855782 | G | C | rs73674683 | 9.97E-01 | 0.074 | 0.080 | 0.93 | 0.73 | -1.17 | 1.56E-06 | 0.113 | 0.070 | 1.70 | 1.4 | -2.06 | 1.34 | 5.29E-04 | ADAM9 | intronic |
| 5 | 79475960 | A | G | rs6888370 | 2.43E-05 | 0.040 | 0.022 | 1.83 | 1.28 | -2.61 | 4.83E-01 | 0.031 | 0.027 | 1.14 | 0.81 | -1.6 | 1.68 | 5.31E-04 | SERINC5 | intronic |
| 13 | 49073302 | T | A | rs568053175;rs113926349 | 4.70E-01 | 0.086 | 0.083 | 1.04 | 0.83 | -1.3 | 3.21E-05 | 0.117 | 0.078 | 1.58 | 1.31 | -1.91 | 1.33 | 5.31E-04 | RCBTB2 | intronic |
| 2 | 140218663 | A | G | rs1431873 | 4.17E-01 | 0.480 | 0.483 | 1.01 | 0.89 | -1.15 | 2.40E-05 | 0.537 | 0.470 | 1.31 | 1.16 | -1.47 | 1.17 | 5.35E-04 | YY1P2(dist=561919), LRP1B(dist=770333) | intergenic |
| 16 | 58989278 | C | T | rs16960668 | 4.12E-01 | 0.065 | 0.060 | 1.09 | 0.84 | -1.4 | 3.68E-05 | 0.087 | 0.057 | 1.58 | 1.27 | -1.96 | 1.40 | 5.41E-04 | GOT2(dist=221017), APOOP5(dist=798767) | intergenic |
| 1 | 172930986 | T | G | rs139863264 | 3.41E-01 | 0.036 | 0.032 | 1.13 | 0.81 | -1.59 | 2.44E-05 | 0.042 | 0.022 | 1.93 | 1.41 | -2.64 | 1.63 | 5.45E-04 | FASLG(dist=294974), TNFSF18(dist=79374) | intergenic |
| 8 | 61445098 | C | T | rs13276831 | 6.25E-05 | 0.326 | 0.385 | 0.78 | 0.68 | -0.88 | 2.76E-01 | 0.362 | 0.378 | 0.93 | 0.83 | -1.05 | 0.85 | 5.45E-04 | RAB2A | intronic |
| 14 | 62760987 | A | G | rs66617333 | 4.80E-01 | 0.402 | 0.393 | 1.04 | 0.91 | -1.18 | 4.35E-05 | 0.433 | 0.369 | 1.31 | 1.16 | -1.47 | 1.17 | 5.46E-04 | LINC00644(dist=154296), KCNH5(dist=412304) | intergenic |
| 14 | 26615874 | G | C | rs143815414 | 9.36E-01 | 0.026 | 0.021 | 1.25 | 0.84 | -1.88 | 7.44E-06 | 0.055 | 0.038 | 1.47 | 1.13 | -1.92 | 1.63 | 5.48E-04 | STXBP6(dist=1096371), NOVA1(dist=299215) | intergenic |
| 8 | 38860177 | C | A | rs61456957 | 9.52E-01 | 0.081 | 0.085 | 0.94 | 0.75 | -1.18 | 1.99E-06 | 0.118 | 0.074 | 1.66 | 1.37 | -2.01 | 1.33 | 5.48E-04 | ADAM9 | intronic |
| 8 | 61447483 | T | A | rs6987084 | 6.27E-05 | 0.326 | 0.384 | 0.78 | 0.68 | -0.88 | 2.76E-01 | 0.362 | 0.378 | 0.93 | 0.83 | -1.05 | 0.85 | 5.49E-04 | RAB2A | intronic |
| 2 | 46188304 | C | G | rs6728293 | 6.93E-07 | 0.051 | 0.027 | 1.97 | 1.43 | -2.71 | 6.09E-01 | 0.028 | 0.028 | 0.99 | 0.7 | -1.42 | 1.72 | 5.50E-04 | PRKCE | intronic |
| 2 | 224825748 | A | G | rs73992135 | 1.03E-06 | 0.052 | 0.026 | 2.04 | 1.48 | -2.8 | 6.91E-01 | 0.027 | 0.028 | 0.98 | 0.69 | -1.41 | 1.65 | 5.50E-04 | MRPL44 | intronic |
| 7 | 20533256 | T | C | rs60579795 | 9.19E-06 | 0.189 | 0.254 | 0.69 | 0.59 | -0.8 | 5.39E-01 | 0.230 | 0.232 | 0.99 | 0.86 | -1.14 | 0.83 | 5.51E-04 | ITGB8(dist=77874), ABCB5(dist=121989) | intergenic |
| 1 | 172931047 | T | C | rs151131671 | 3.40E-01 | 0.036 | 0.032 | 1.13 | 0.81 | -1.59 | 2.51E-05 | 0.042 | 0.022 | 1.93 | 1.41 | -2.64 | 1.63 | 5.51E-04 | FASLG(dist=295035), TNFSF18(dist=79313) | intergenic |
| 12 | 54523901 | C | G | rs56242321 | 7.81E-01 | 0.171 | 0.166 | 1.04 | 0.88 | -1.23 | 6.76E-06 | 0.231 | 0.189 | 1.29 | 1.12 | -1.49 | 1.25 | 5.53E-04 | LOC400043 | ncRNA_intronic |
| 3 | 143074864 | A | G | rs115851154 | 4.93E-01 | 0.056 | 0.054 | 1.04 | 0.79 | -1.36 | 1.27E-05 | 0.068 | 0.043 | 1.62 | 1.27 | -2.07 | 1.45 | 5.56E-04 | SLC9A9 | intronic |
| 16 | 86575100 | C | A | rs9674143 | 4.09E-01 | 0.369 | 0.360 | 1.04 | 0.92 | -1.18 | 2.94E-05 | 0.387 | 0.327 | 1.30 | 1.15 | -1.47 | 1.19 | 5.60E-04 | MTHFSD | intronic |
| 1 | 1054076 | C | T | rs1105065 | 3.56E-01 | 0.452 | 0.454 | 0.99 | 0.87 | -1.12 | 4.37E-05 | 0.466 | 0.396 | 1.33 | 1.18 | -1.5 | 1.18 | 5.61E-04 | C1orf159(dist=2340), LINC01342(dist=18321) | intergenic |
| 14 | 85335473 | A | T | rs74069804 | 5.69E-05 | 0.089 | 0.062 | 1.47 | 1.17 | -1.85 | 3.51E-01 | 0.062 | 0.054 | 1.16 | 0.91 | -1.48 | 1.40 | 5.65E-04 | NONE(dist=NONE), LINC00911(dist=524750) | intergenic |
| 8 | 38850040 | | | | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|----------------------|----------|-------|-------|------|-------------|----------|-------|-------|------|-------------|------|----------|--|----------------|
| 3 | 64021693 | A | C | rs831556 | 8.63E-01 | 0.209 | 0.213 | 1.03 | 0.88 - 1.19 | 6.07E-07 | 0.251 | 0.194 | 0.72 | 0.63 - 0.83 | 0.83 | 5.76E-04 | PSMD6(dist=12007), PRICKLE2-AS1(dist=31947) | intergenic |
| 13 | 109501687 | T | C | rs9587709 | 5.92E-05 | 0.396 | 0.339 | 0.78 | 0.69 - 0.89 | 5.64E-01 | 0.358 | 0.351 | 0.97 | 0.86 - 1.1 | 0.82 | 5.79E-04 | MYO16 | intronic |
| 19 | 50305688 | G | C | rs2159984 | 7.78E-01 | 0.399 | 0.392 | 1.03 | 0.91 - 1.17 | 5.70E-06 | 0.431 | 0.373 | 1.28 | 1.13 - 1.44 | 1.18 | 5.84E-04 | AP2A1 | intronic |
| 7 | 89772999 | G | T | rs39271 | 4.75E-05 | 0.290 | 0.237 | 0.76 | 0.66 - 0.87 | 3.60E-01 | 0.256 | 0.244 | 0.94 | 0.82 - 1.07 | 0.83 | 5.86E-04 | STEAP2-AS1 | ncRNA_intronic |
| 19 | 50300026 | A | G | rs28413128 | 6.47E-01 | 0.406 | 0.396 | 1.04 | 0.92 - 1.18 | 1.62E-05 | 0.438 | 0.382 | 1.26 | 1.12 - 1.42 | 1.18 | 5.90E-04 | AP2A1 | intronic |
| 5 | 92134273 | G | A | rs27540 | 3.01E-05 | 0.334 | 0.395 | 1.31 | 1.15 - 1.49 | 5.18E-01 | 0.343 | 0.358 | 1.07 | 0.94 - 1.21 | 1.19 | 5.90E-04 | ARRDC3-AS1(dist=1417741), NR2F1-AS1(dist=610789) | intergenic |
| 19 | 55895539 | C | A | rs189206666 | 3.40E-01 | 0.037 | 0.034 | 1.10 | 0.79 - 1.54 | 3.18E-05 | 0.038 | 0.023 | 1.67 | 1.21 - 2.31 | 1.84 | 5.93E-04 | TMEM238 | exonic |
| 6 | 91352362 | C | T | rs1923069 | 4.33E-05 | 0.156 | 0.113 | 1.45 | 1.21 - 1.74 | 3.84E-01 | 0.133 | 0.125 | 1.08 | 0.9 - 1.28 | 1.27 | 5.95E-04 | MAP3K7(dist=55342), MIR4643(dist=879016) | intergenic |
| 2 | 234944462 | C | T | rs75545694 | 4.62E-05 | 0.194 | 0.152 | 1.33 | 1.13 - 1.57 | 3.33E-01 | 0.175 | 0.160 | 1.12 | 0.96 - 1.31 | 1.25 | 5.96E-04 | TRPM8(dist=16296), SPP2(dist=14884) | intergenic |
| 13 | 48913376 | C | T | rs146038562 | 3.78E-01 | 0.040 | 0.036 | 1.11 | 0.81 - 1.53 | 5.59E-05 | 0.051 | 0.028 | 1.87 | 1.41 - 2.49 | 1.54 | 5.97E-04 | RB1 | intronic |
| 7 | 20539369 | A | C | rs7782347 | 5.01E-05 | 0.199 | 0.257 | 0.72 | 0.62 - 0.83 | 3.42E-01 | 0.232 | 0.239 | 0.96 | 0.84 - 1.1 | 0.83 | 6.00E-04 | ITGB8(dist=83987), ABCB5(dist=115876) | intergenic |
| 7 | 20543058 | T | C | rs7781887 | 5.01E-05 | 0.200 | 0.259 | 0.72 | 0.62 - 0.83 | 3.48E-01 | 0.237 | 0.244 | 0.97 | 0.84 - 1.11 | 0.83 | 6.03E-04 | ITGB8(dist=87676), ABCB5(dist=112187) | intergenic |
| 14 | 62757274 | T | C | rs17099663 | 4.88E-01 | 0.402 | 0.393 | 1.04 | 0.91 - 1.18 | 4.85E-05 | 0.433 | 0.369 | 1.31 | 1.16 - 1.47 | 1.17 | 6.11E-04 | LINC00644(dist=150583), KCNH5(dist=416017) | intergenic |
| 10 | 45596078 | G | A | rs143586987 | 4.81E-01 | 0.031 | 0.030 | 1.02 | 0.71 - 1.46 | 4.81E-05 | 0.044 | 0.024 | 1.90 | 1.4 - 2.59 | 1.65 | 6.12E-04 | RSU1P2 | ncRNA_intronic |
| 4 | 63154579 | G | A | rs73215517 | 1.26E-05 | 0.077 | 0.046 | 1.74 | 1.35 - 2.24 | 6.51E-01 | 0.057 | 0.056 | 1.03 | 0.8 - 1.32 | 1.44 | 6.12E-04 | ADGRL3-AS1(dist=127096), TECRL(dist=1989598) | intergenic |
| 6 | 91351122 | C | T | rs77649585 | 4.87E-05 | 0.154 | 0.112 | 1.45 | 1.21 - 1.73 | 3.80E-01 | 0.130 | 0.122 | 1.08 | 0.9 - 1.28 | 1.27 | 6.13E-04 | MAP3K7(dist=54102), MIR4643(dist=880256) | intergenic |
| 6 | 91350345 | A | G | rs75286924 | 4.87E-05 | 0.154 | 0.112 | 1.45 | 1.21 - 1.73 | 3.81E-01 | 0.130 | 0.122 | 1.08 | 0.9 - 1.28 | 1.27 | 6.15E-04 | MAP3K7(dist=53325), MIR4643(dist=881033) | intergenic |
| 3 | 64030872 | A | G | rs6445389 | 7.64E-01 | 0.259 | 0.258 | 1.00 | 0.87 - 1.15 | 7.03E-06 | 0.298 | 0.246 | 0.77 | 0.68 - 0.88 | 0.83 | 6.16E-04 | PSMD6(dist=21186), PRICKLE2-AS1(dist=22768) | intergenic |
| 3 | 57042956 | T | A | rs75108591 | 5.03E-06 | 0.069 | 0.044 | 1.61 | 1.24 - 2.1 | 7.84E-01 | 0.047 | 0.043 | 1.09 | 0.83 - 1.45 | 1.47 | 6.23E-04 | ARHGEF3 | intronic |
| 14 | 26602893 | C | A | rs72665066 | 8.88E-01 | 0.027 | 0.022 | 1.22 | 0.83 - 1.82 | 4.58E-06 | 0.054 | 0.037 | 1.49 | 1.14 - 1.95 | 1.63 | 6.23E-04 | STXBP6(dist=1083390), NOVA1(dist=312196) | intergenic |
| 19 | 50304392 | T | C | rs10421561 | 8.68E-01 | 0.403 | 0.396 | 1.03 | 0.9 - 1.16 | 3.82E-06 | 0.436 | 0.376 | 1.28 | 1.14 - 1.44 | 1.17 | 6.24E-04 | AP2A1 | intronic |
| 7 | 109536987 | G | A | rs116050415 | 4.48E-05 | 0.088 | 0.133 | 0.63 | 0.51 - 0.77 | 4.84E-01 | 0.121 | 0.121 | 0.99 | 0.83 - 1.19 | 0.77 | 6.25E-04 | C7orf66(dist=1012343), EIF3IP1(dist=62297) | intergenic |
| 19 | 50299408 | T | G | rs2072451 | 5.12E-01 | 0.493 | 0.484 | 1.04 | 0.92 - 1.18 | 3.30E-05 | 0.519 | 0.465 | 1.24 | 1.1 - 1.39 | 1.18 | 6.26E-04 | AP2A1 | intronic |
| 10 | 51782758 | A | G | rs4935373 | 9.11E-06 | 0.227 | 0.166 | 1.48 | 1.27 - 1.72 | 3.70E-01 | 0.213 | 0.216 | 0.98 | 0.85 - 1.13 | 1.34 | 6.28E-04 | FAM21EP | ncRNA_intronic |
| 16 | 20193957 | C | T | rs57759319 | 6.64E-06 | 0.103 | 0.058 | 1.84 | 1.47 - 2.31 | 5.44E-01 | 0.101 | 0.106 | 0.94 | 0.78 - 1.15 | 1.43 | 6.31E-04 | GPR139(dist=108857), GP2(dist=126939) | intergenic |
| 20 | 3452041 | C | T | rs75653676 | 2.81E-01 | 0.094 | 0.089 | 1.05 | 0.85 - 1.3 | 4.77E-05 | 0.092 | 0.061 | 1.54 | 1.25 - 1.91 | 1.36 | 6.32E-04 | ATRN | exonic |
| 11 | 102671839 | C | T | rs116002430 | 7.16E-01 | 0.028 | 0.027 | 1.04 | 0.71 - 1.52 | 1.01E-05 | 0.045 | 0.023 | 1.98 | 1.46 - 2.69 | 1.65 | 6.36E-04 | WTAPP1 | ncRNA_intronic |
| 21 | 34045065 | C | T | rs845025 | 1.11E-05 | 0.109 | 0.156 | 0.66 | 0.54 - 0.8 | 6.15E-01 | 0.135 | 0.137 | 0.98 | 0.83 - 1.17 | 0.79 | 6.43E-04 | SYNJ1 | intronic |
| 7 | 45938720 | A | T | rs2471550 | 3.05E-05 | 0.056 | 0.075 | 1.35 | 1.05 - 1.75 | 3.02E-01 | 0.082 | 0.095 | 1.18 | 0.95 - 1.45 | 1.42 | 6.43E-04 | IGFBP1(dist=5453), IGFBP3(dist=13124) | intergenic |
| 2 | 80296234 | T | G | rs35417553;rs6723538 | 7.18E-01 | 0.072 | 0.063 | 0.87 | 0.68 - 1.12 | 2.98E-06 | 0.083 | 0.061 | 0.73 | 0.58 - 0.9 | 0.68 | 6.48E-04 | CTNNA2 | intronic |
| 5 | 92138100 | T | G | rs2431367 | 3.90E-05 | 0.335 | 0.396 | 1.30 | 1.14 - 1.48 | 5.14E-01 | 0.339 | 0.355 | 1.07 | 0.94 - 1.21 | 1.18 | 6.49E-04 | ARRDC3-AS1(dist=1421568), NR2F1-AS1(dist=606962) | intergenic |
| 3 | 57043907 | A | G | rs9822979 | 5.19E-06 | 0.069 | 0.044 | 1.61 | 1.24 - 2.1 | 7.89E-01 | 0.047 | 0.043 | 1.09 | 0.83 - 1.44 | 1.47 | 6.52E-04 | ARHGEF3 | intronic |
| 3 | 59866449 | C | T | rs17061320 | 5.03E-05 | 0.256 | 0.217 | 1.24 | 1.07 - 1.43 | 5.32E-01 | 0.233 | 0.219 | 1.08 | 0.94 - 1.24 | 1.21 | 6.53E-04 | FHIT | intronic |
| 5 | 17956990 | G | T | rs13182757 | 3.15E-05 | 0.112 | 0.149 | 0.72 | 0.6 - 0.87 | 3.95E-01 | 0.159 | 0.181 | 0.86 | 0.73 - 1.01 | 0.80 | 6.53E-04 | LOC401177(dist=569571), CDH18(dist=1516165) | intergenic |
| 7 | 3740265 | G | A | rs7793480 | 3.71E-01 | 0.267 | 0.265 | 1.01 | 0.88 - 1.16 | 6.33E-05 | 0.288 | 0.229 | 1.36 | 1.19 - 1.55 | 1.21 | 6.54E-04 | SDK1 | intronic |
| 3 | 64048297 | T | C | rs831571 | 7.68E-01 | 0.200 | 0.207 | 1.04 | 0.89 - 1.22 | 3.54E-07 | 0.247 | 0.190 | 0.72 | 0.62 - 0.82 | 0.82 | 6.65E-04 | PSMD6(dist=38611), PRICKLE2-AS1(dist=5343) | intergenic |
| 12 | 11449628 | A | T | rs12422896 | 1.60E-05 | 0.083 | 0.050 | 1.72 | 1.34 - 2.19 | 4.60E-01 | 0.068 | 0.067 | 1.03 | 0.81 - 1.3 | 1.38 | 6.67E-04 | PRB3(dist=26987), PRB4(dist=10387) | intergenic |
| 8 | 38834697 | C | T | rs111657881 | 9.47E-01 | 0.072 | 0.077 | 0.94 | 0.74 - 1.19 | 2.53E-06 | 0.108 | 0.067 | 1.68 | 1.38 - 2.05 | 1.34 | 6.71E-04 | HTRA4 | intronic |
| 11 | 102691974 | A | G | rs116537119 | 4.04E-01 | 0.029 | 0.026 | 1.12 | 0.77 - 1.63 | 5.22E-05 | 0.042 | 0.022 | 1.96 | 1.43 - 2.69 | 1.62 | 6.71E-04 | WTAPP1 | ncRNA_intronic |
| 12 | 11438475 | C | A | rs56101186 | 1.65E-05 | 0.083 | 0.050 | 1.72 | 1.34 - 2.2 | 4.64E-01 | 0.068 | 0.066 | 1.03 | 0.81 - 1.3 | 1.38 | 6.72E-04 | PRB3(dist=15834), PRB4(dist=21540) | intergenic |
| 11 | 5434202 | G | A | rs10734512 | 4.87E-01 | 0.389 | 0.393 | 1.02 | 0.9 - 1.15 | 3.40E-05 | 0.443 | 0.378 | 0.76 | 0.68 - 0.86 | 0.84 | 6.73E-04 | OR51B5 | intronic |
| 11 | 102693115 | C | T | rs114933012 | 4.04E-01 | 0.029 | 0.026 | 1.12 | 0.77 - 1.63 | 5.27E-05 | 0.042 | 0.022 | 1.96 | 1.43 - 2.69 | 1.62 | 6.74E-04 | WTAPP1 | ncRNA_intronic |
| 5 | 117742409 | C | T | rs116003810 | 9.63E-01 | 0.059 | 0.063 | 0.94 | 0.73 - 1.22 | 1.10E-06 | 0.087 | 0.050 | 1.80 | 1.44 - 2.24 | 1.40 | 6.75E-04 | LINC01927280 | ncRNA_intronic |
| 6 | 5379236 | T | C | rs60194155 | 5.04E-01 | 0.028 | 0.027 | 1.06 | 0.73 - 1.55 | 2.07E-05 | 0.042 | 0.022 | 1.99 | 1.45 - 2.72 | 1.65 | 6.78E-04 | FARS2 | intronic |
| 5 | 92138167 | A | A | rs2435070 | 3.84E-05 | 0.335 | 0.396 | 1.30 | 1.14 - 1.48 | 5.26E-01 | 0.340 | 0.355 | 1.07 | 0.94 - 1.21 | 1.18 | 6.79E-04 | ARRDC3-AS1(dist=1421635), NR2F1-AS1(dist=606895) | intergenic |
| 8 | 38835465 | C | T | rs55736573 | 9.58E-01 | 0.072 | 0.077 | 0.93 | 0.74 - 1.19 | 2.50E-06 | 0.108 | 0.067 | 1.68 | 1.38 - 2.05 | 1.34 | 6.85E-04 | HTRA4 | intronic |
| 4 | 16318367 | G | A | rs76607004 | 5.29E-01 | 0.037 | 0.036 | 1.03 | 0.74 - 1.42 | 1.71E-05 | 0.045 | 0.027 | 1.71 | 1.27 - 2.31 | 1.70 | 6.86E-04 | FSTL5(dist=98491), MIR4454(dist=831049) | intergenic |
| 6 | 29404393 | A | G | rs11175272 | 5.16E-01 | 0.117 | 0.113 | 1.04 | 0.86 - 1.26 | 2.42E-05 | 0.143 | 0.098 | 1.54 | 1.29 - 1.83 | 1.28 | 6.88E-04 | OR11A1(dist=8884), OR10C1(dist=3323) | intergenic |
| 8 | 66528700 | C | T | rs146107538 | 5.82E-01 | 0.087 | 0.081 | 1.09 | 0.87 - 1.36 | 2.19E-05 | 0.108 | 0.080 | 1.40 | 1.15 - 1.7 | 1.35 | 6.89E-04 | ARMC1 | intronic |
| 2 | 224794396 | T | C | rs73992110 | 1.09E-06 | 0.049 | 0.023 | 2.17 | 1.56 - 3.03 | 7.05E-01 | 0.028 | 0.028 | 0.99 | 0.7 - 1.41 | 1.63 | 6.91E-04 | WDFY1 | intronic |
| 6 | 91356577 | T | A | rs62409079 | 5.08E-05 | 0.154 | 0.112 | 1.45 | 1.21 - 1.73 | 4.01E-01 | 0.130 | 0.122 | 1.07 | 0.9 - 1.28 | 1.27 | 6.92E-04 | MAP3K7(dist=59557), MIR4643(dist=874801) | intergenic |
| 11 | 102701129 | A | G | rs17099629 | 4.03E-01 | 0.029 | 0.026 | 1.12 | 0.77 - 1.63 | 5.62E-05 | 0.042 | 0.022 | 1.96 | 1.43 - 2.68 | 1.62 | 6.97E-04 | WTAPP1 | ncRNA_intronic |
| 3 | 143062266 | A | G | rs75353832 | 4.63E-01 | 0.045 | 0.042 | 1.08 | 0.79 - 1.46 | 1.53E-05 | 0.055 | 0.033 | 1.68 | 1.28 - 2.21 | 1.50 | 7.07E-04 | SLC9A9-AS1 | ncRNA_exonic |
| 8 | 38848808 | C | T | rs58771784 | 9.04E-01 | 0.075 | 0.081 | 0.91 | 0.72 - 1.15 | 1.63E-06 | 0.112 | 0.069 | 1.70 | 1.4 - 2.07 | 1.33 | 7.13E-04 | TM2D2 | UTR3 |
| 2 | 18477913 | G | A | rs184791559 | 3.09E-01 | 0.125 | 0.120 | 1.05 | 0.87 - 1.27 | 4.61E-05 | 0.137 | 0.101 | 1.41 | 1.18 - 1.68 | 1.32 | 7.18E-04 | KCNS3(dist=363688), RDH14(dist=258076) | intergenic |
| 5 | 27269149 | A | G | rs6861471 | 1.72E-05 | 0.043 | 0.073 | 0.58 | 0.44 - 0.77 | 6.56E-01 | 0.066 | 0.073 | 0.90 | 0.71 - 1.14 | 0.73 | 7.19E-04 | CDH9(dist=230460), LINC01021(dist=203250) | intergenic |
| 6 | 23628611 | G | T | rs9379526 | 5.04E-01 | 0.159 | 0.162 | 0.98 | 0.83 - 1.16 | 2.45E-05 | 0.121 | 0.174 | 0.66 | 0.55 - 0.78 | 0.81 | 7.22E-04 | HDGFL1(dist=1057861), NRSN1(dist=497803) | intergenic |
| 10 | 32398895 | T | C | rs211424 | 4.56E-05 | 0.341 | 0.417 | 1.38 | 1.21 - 1.57 | 2.56E-01 | 0.348 | 0.356 | 1.04 | 0.92 - 1.17 | 1.18 | 7.30E-04 | KIF5B(dist=53524), EPC1(dist=157749) | intergenic |
| 1 | 147220045 | C | A | rs12032789 | 1.46E-05 | 0.080 | 0.044 | 1.89 | 1.46 - 2.43 | 4.82E-01 | 0.068 | 0.071 | 0.95 | 0.75 - | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|----------------------|----------|-------|---------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 7 | 109530457 | G | A | rs115271671 | 4.11E-05 | 0.086 | 0.132 | 0.62 | 0.5 | -0.76 | 5.66E-01 | 0.120 | 0.119 | 1.00 | 0.84 | -1.2 | 0.77 | 7.58E-04 | C7orf66(dist=1005813), EIF3IP1(dist=68827) | intergenic |
| 2 | 176946509 | C | A | rs76494921 | 3.17E-01 | 0.034 | 0.029 | 1.16 | 0.81 | -1.64 | 5.96E-05 | 0.042 | 0.024 | 1.80 | 1.32 | -2.47 | 1.64 | 7.59E-04 | EVX2 | intronic |
| 7 | 109533203 | T | A | rs111669284 | 5.16E-05 | 0.088 | 0.134 | 0.62 | 0.51 | -0.77 | 5.21E-01 | 0.123 | 0.123 | 1.00 | 0.84 | -1.19 | 0.77 | 7.67E-04 | C7orf66(dist=1008559), EIF3IP1(dist=66081) | intergenic |
| 14 | 62793548 | T | G | rs144499411 | 5.75E-01 | 0.378 | 0.376 | 0.99 | 0.87 | -1.13 | 2.86E-05 | 0.409 | 0.346 | 0.76 | 0.68 | -0.86 | 0.85 | 7.68E-04 | LINC00644(dist=186857), KCNH5(dist=379743) | intergenic |
| 9 | 121710501 | T | C | rs7850526 | 2.76E-05 | 0.175 | 0.138 | 1.33 | 1.12 | -1.57 | 4.46E-01 | 0.136 | 0.121 | 1.14 | 0.96 | -1.36 | 1.27 | 7.73E-04 | TLR4(dist=1230732), BRINP1(dist=218407) | intergenic |
| 2 | 103091540 | A | G | rs17027258 | 4.58E-01 | 0.172 | 0.175 | 0.98 | 0.83 | -1.15 | 4.48E-05 | 0.151 | 0.199 | 0.72 | 0.61 | -0.84 | 0.82 | 7.75E-04 | SLC9A4 | intronic |
| 21 | 34096806 | A | G | rs859789 | 1.34E-05 | 0.107 | 0.154 | 0.66 | 0.55 | -0.8 | 6.30E-01 | 0.135 | 0.137 | 0.99 | 0.83 | -1.17 | 0.80 | 7.77E-04 | SYNJ1 | intronic |
| 11 | 102710257 | A | G | rs3025068 | 4.34E-01 | 0.029 | 0.026 | 1.11 | 0.76 | -1.63 | 5.47E-05 | 0.042 | 0.022 | 1.95 | 1.43 | -2.67 | 1.62 | 7.77E-04 | MMP3 | intronic |
| 8 | 14698861 | A | G | rs116445328 | 3.84E-05 | 0.059 | 0.038 | 1.60 | 1.21 | -2.13 | 4.48E-01 | 0.041 | 0.038 | 1.09 | 0.81 | -1.47 | 1.58 | 7.83E-04 | SGCZ | intronic |
| 4 | 3268710 | A | G | rs2858088 | 6.06E-01 | 0.410 | 0.400 | 0.96 | 0.84 | -1.09 | 3.36E-05 | 0.458 | 0.400 | 0.79 | 0.7 | -0.89 | 0.85 | 7.86E-04 | MSANTD1(dist=10368), RGS12(dist=47164) | intergenic |
| 3 | 143026285 | A | T | rs111532413 | 7.97E-01 | 0.035 | 0.034 | 1.02 | 0.73 | -1.43 | 3.73E-06 | 0.048 | 0.027 | 1.84 | 1.37 | -2.46 | 1.59 | 7.86E-04 | SLC9A9 | intronic |
| 8 | 38851779 | C | T | rs73674682 | 9.80E-01 | 0.074 | 0.079 | 0.93 | 0.73 | -1.17 | 2.01E-06 | 0.115 | 0.073 | 1.63 | 1.35 | -1.98 | 1.34 | 7.92E-04 | TM2D2 | intronic |
| 4 | 68190048 | C | G | rs12642496 | 4.76E-01 | 0.192 | 0.198 | 0.96 | 0.82 | -1.12 | 6.05E-05 | 0.159 | 0.211 | 0.71 | 0.61 | -0.83 | 0.83 | 8.01E-04 | MIR1269A(dist=1047402), LOC101927237(dist=92975) | intergenic |
| 12 | 54536534 | C | G | rs1872636 | 6.77E-01 | 0.179 | 0.172 | 1.05 | 0.9 | -1.24 | 2.11E-05 | 0.237 | 0.196 | 1.27 | 1.1 | -1.46 | 1.24 | 8.14E-04 | LOC400043(dist=9908), SMUG1(dist=37608) | intergenic |
| 11 | 102705280 | A | G | rs3025087 | 4.43E-01 | 0.029 | 0.026 | 1.11 | 0.76 | -1.62 | 5.58E-05 | 0.042 | 0.022 | 1.96 | 1.43 | -2.68 | 1.61 | 8.15E-04 | WTAPP1 | ncRNA_intronic |
| 9 | 109853998 | A | G | rs72747504 | 6.39E-05 | 0.231 | 0.184 | 1.33 | 1.15 | -1.55 | 3.66E-01 | 0.195 | 0.181 | 1.09 | 0.94 | -1.27 | 1.21 | 8.15E-04 | LOC340512 | ncRNA_intronic |
| 9 | 19980454 | C | T | rs113945359 | 5.18E-01 | 0.055 | 0.053 | 1.04 | 0.79 | -1.37 | 3.89E-05 | 0.070 | 0.043 | 1.65 | 1.3 | -2.1 | 1.44 | 8.22E-04 | SLC24A2(dist=193437), MLLT3(dist=361209) | intergenic |
| 7 | 45897407 | T | C | rs1948553 | 7.81E-06 | 0.068 | 0.090 | 1.36 | 1.07 | -1.72 | 5.31E-01 | 0.100 | 0.111 | 1.13 | 0.93 | -1.37 | 1.39 | 8.25E-04 | SEPT7P2(dist=88790), IGFBP1(dist=30552) | intergenic |
| 1 | 242923484 | T | C | rs78076663 | 3.42E-01 | 0.091 | 0.102 | 0.88 | 0.71 | -1.09 | 3.78E-05 | 0.054 | 0.081 | 0.65 | 0.5 | -0.83 | 0.76 | 8.26E-04 | PLD5(dist=235486), LINC01347(dist=296132) | intergenic |
| 2 | 140211958 | C | T | rs11682693 | 4.72E-01 | 0.483 | 0.484 | 1.01 | 0.89 | -1.14 | 3.48E-05 | 0.540 | 0.474 | 1.30 | 1.16 | -1.47 | 1.17 | 8.34E-04 | YY1P2(dist=555214), LRP1B(dist=777038) | intergenic |
| 12 | 54517887 | C | T | rs7960592 | 8.96E-01 | 0.181 | 0.174 | 1.05 | 0.89 | -1.23 | 1.04E-05 | 0.250 | 0.210 | 1.25 | 1.09 | -1.44 | 1.25 | 8.37E-04 | FLJ12825(dist=1869), LOC400043(dist=1968) | intergenic |
| 19 | 20360248 | T | A | rs58051604 | 6.55E-01 | 0.085 | 0.078 | 1.10 | 0.88 | -1.37 | 3.85E-05 | 0.114 | 0.089 | 1.32 | 1.09 | -1.59 | 1.36 | 8.38E-04 | ZNF486(dist=48949), MIR1270(dist=149833) | intergenic |
| 7 | 9312165 | C | T | rs10242847 | 3.80E-06 | 0.065 | 0.037 | 1.79 | 1.35 | -2.36 | 9.47E-01 | 0.041 | 0.039 | 1.05 | 0.78 | -1.41 | 1.50 | 8.39E-04 | NXP1H1(dist=519572), PER4(dist=361735) | intergenic |
| 3 | 178896585 | A | G | rs61796466 | 6.26E-01 | 0.037 | 0.036 | 1.05 | 0.75 | -1.46 | 5.17E-05 | 0.021 | 0.044 | 0.48 | 0.33 | -0.7 | 0.64 | 8.42E-04 | PIK3CA | intronic |
| 1 | 242922145 | T | A | rs4303064 | 3.15E-01 | 0.092 | 0.103 | 0.88 | 0.72 | -1.09 | 4.43E-05 | 0.054 | 0.080 | 0.65 | 0.5 | -0.83 | 0.76 | 8.42E-04 | PLD5(dist=234147), LINC01347(dist=297471) | intergenic |
| 6 | 5378963 | A | G | rs77354171 | 5.66E-01 | 0.032 | 0.031 | 1.03 | 0.72 | -1.47 | 2.19E-05 | 0.045 | 0.025 | 1.88 | 1.39 | -2.54 | 1.63 | 8.45E-04 | FARS2 | intronic |
| 19 | 20351786 | A | G | rs72998689 | 7.14E-01 | 0.085 | 0.079 | 1.09 | 0.87 | -1.37 | 2.68E-05 | 0.114 | 0.089 | 1.32 | 1.09 | -1.6 | 1.36 | 8.48E-04 | ZNF486(dist=40487), MIR1270(dist=158295) | intergenic |
| 3 | 143041625 | C | T | rs148879857 | 4.94E-01 | 0.035 | 0.032 | 1.11 | 0.79 | -1.56 | 2.33E-05 | 0.046 | 0.026 | 1.79 | 1.33 | -2.41 | 1.55 | 8.50E-04 | SLC9A9 | intronic |
| 19 | 50307408 | G | A | rs11879637 | 6.11E-01 | 0.390 | 0.379 | 1.05 | 0.92 | -1.19 | 3.47E-05 | 0.417 | 0.364 | 1.25 | 1.11 | -1.4 | 1.17 | 8.52E-04 | AP2A1 | intronic |
| 6 | 31882024 | A | G | rs2844452 | 5.59E-01 | 0.485 | 0.496 | 1.04 | 0.92 | -1.18 | 3.39E-05 | 0.540 | 0.477 | 1.29 | 1.15 | -1.45 | 1.16 | 8.58E-04 | C2 | intronic |
| 5 | 79477533 | G | A | rs116152050 | 3.65E-05 | 0.040 | 0.022 | 1.81 | 1.27 | -2.58 | 5.34E-01 | 0.032 | 0.029 | 1.12 | 0.8 | -1.57 | 1.63 | 8.61E-04 | SERINC5 | intronic |
| 11 | 102708338 | C | T | rs3025076 | 4.57E-01 | 0.028 | 0.026 | 1.11 | 0.76 | -1.62 | 5.58E-05 | 0.042 | 0.022 | 1.96 | 1.43 | -2.68 | 1.61 | 8.63E-04 | MMP3 | intronic |
| 11 | 104998166 | C | G | rs77410777 | 8.40E-06 | 0.076 | 0.050 | 1.56 | 1.21 | -2 | 9.00E-01 | 0.043 | 0.042 | 1.03 | 0.77 | -1.37 | 1.49 | 8.65E-04 | CARD17(dist=26008), CARD18(dist=10282) | intergenic |
| 3 | 178792754 | G | A | rs61798206 | 6.12E-01 | 0.035 | 0.034 | 1.04 | 0.74 | -1.46 | 4.79E-05 | 0.019 | 0.041 | 0.46 | 0.31 | -0.69 | 0.64 | 8.66E-04 | ZMAT3(dist=3098), LOC101928739(dist=26405) | intergenic |
| 7 | 157987251 | T | C | rs4416779 | 7.04E-01 | 0.266 | 0.256 | 0.95 | 0.82 | -1.09 | 8.25E-06 | 0.255 | 0.319 | 1.37 | 1.2 | -1.56 | 1.20 | 8.66E-04 | TPPRN2 | intronic |
| 15 | 89867479 | G | A | rs2307452 | 4.87E-01 | 0.068 | 0.066 | 1.03 | 0.8 | -1.31 | 4.61E-05 | 0.080 | 0.051 | 1.63 | 1.3 | -2.04 | 1.39 | 8.69E-04 | POLG | intronic |
| 14 | 62762455 | A | T | rs1399522 | 5.71E-01 | 0.404 | 0.397 | 1.03 | 0.91 | -1.17 | 5.38E-05 | 0.436 | 0.372 | 1.30 | 1.16 | -1.47 | 1.16 | 8.84E-04 | LINC00644(dist=155764), KCNH5(dist=410836) | intergenic |
| 14 | 62751303 | C | T | rs11624249 | 4.73E-01 | 0.246 | 0.242 | 1.02 | 0.88 | -1.18 | 5.00E-05 | 0.260 | 0.209 | 1.32 | 1.16 | -1.52 | 1.21 | 8.89E-04 | LINC00644(dist=144612), KCNH5(dist=421988) | intergenic |
| 6 | 29404913 | C | T | rs141611861 | 5.44E-01 | 0.117 | 0.113 | 1.04 | 0.85 | -1.26 | 3.49E-05 | 0.145 | 0.100 | 1.52 | 1.28 | -1.81 | 1.27 | 8.91E-04 | OR11A1(dist=9404), OR10C1(dist=2803) | intergenic |
| 6 | 91346050 | A | G | rs62409078 | 6.14E-05 | 0.155 | 0.113 | 1.44 | 1.2 | -1.72 | 4.37E-01 | 0.128 | 0.121 | 1.07 | 0.9 | -1.27 | 1.26 | 8.92E-04 | MAP3K7(dist=49030), MIR4643(dist=885328) | intergenic |
| 14 | 77142576 | G | A | rs11626940 | 7.09E-01 | 0.079 | 0.071 | 1.13 | 0.89 | -1.42 | 2.18E-05 | 0.103 | 0.077 | 1.37 | 1.12 | -1.66 | 1.34 | 8.96E-04 | ESRRB(dist=174396), VASH1(dist=85659) | intergenic |
| 2 | 227332574 | T | C | rs11899174 | 4.33E-05 | 0.143 | 0.191 | 1.07 | 0.59 | -0.84 | 4.66E-01 | 0.187 | 0.196 | 0.95 | 0.82 | -1.1 | 0.81 | 8.96E-04 | LOC646736(dist=287796), MIR5702(dist=190852) | intergenic |
| 7 | 14226588 | C | T | rs111355284 | 3.10E-01 | 0.081 | 0.079 | 1.04 | 0.83 | -1.3 | 6.19E-06 | 0.083 | 0.057 | 1.49 | 1.19 | -1.85 | 1.41 | 8.97E-04 | DGKB | intronic |
| 2 | 60137193 | C | T | rs2194701;rs75398865 | 6.25E-01 | 0.402 | 0.387 | 1.06 | 0.94 | -1.21 | 1.74E-05 | 0.461 | 0.404 | 1.26 | 1.12 | -1.42 | 1.17 | 8.98E-04 | LOC101927285(dist=630658), MIR4432(dist=477304) | intergenic |
| 21 | 34121855 | T | C | rs9981311 | 1.84E-05 | 0.111 | 0.157 | 0.67 | 0.56 | -0.81 | 6.44E-01 | 0.134 | 0.136 | 0.99 | 0.83 | -1.17 | 0.80 | 9.04E-04 | PAXBP1 | intronic |
| 19 | 58333594 | A | G | rs4602135 | 5.45E-01 | 0.141 | 0.137 | 1.04 | 0.87 | -1.24 | 3.84E-05 | 0.165 | 0.128 | 1.34 | 1.14 | -1.58 | 1.27 | 9.13E-04 | ZNF552(dist=7313), FKBP1AP1(dist=3073) | intergenic |
| 14 | 77136029 | G | A | rs11625879 | 6.54E-01 | 0.075 | 0.067 | 1.14 | 0.9 | -1.45 | 3.05E-05 | 0.096 | 0.073 | 1.35 | 1.1 | -1.66 | 1.36 | 9.15E-04 | ESRRB(dist=167849), VASH1(dist=92206) | intergenic |
| 5 | 26010974 | G | A | rs10472548 | 4.75E-05 | 0.161 | 0.123 | 1.38 | 1.15 | -1.64 | 4.89E-01 | 0.144 | 0.139 | 1.05 | 0.88 | -1.24 | 1.28 | 9.16E-04 | LOC340107(dist=1170282), CDH9(dist=869735) | intergenic |
| 18 | 10225104 | G | A | rs59886995 | 4.77E-05 | 0.016 | 0.038 | 0.42 | 0.27 | -0.65 | 7.54E-01 | 0.031 | 0.031 | 1.01 | 0.72 | -1.41 | 0.60 | 9.23E-04 | VAPA(dist=265086), LINC01254(dist=180026) | intergenic |
| 3 | 64053207 | T | C | rs166230 | 9.60E-01 | 0.208 | 0.211 | 1.02 | 0.87 | -1.19 | 4.15E-06 | 0.236 | 0.186 | 0.74 | 0.64 | -0.85 | 0.83 | 9.28E-04 | PRICKLE2-AS1 | upstream |
| 7 | 9308805 | C | T | rs116170098 | 4.17E-06 | 0.065 | 0.037 | 1.78 | 1.35 | -2.36 | 9.26E-01 | 0.041 | 0.039 | 1.04 | 0.78 | -1.4 | 1.49 | 9.30E-04 | NXP1H1(dist=516212), PER4(dist=365095) | intergenic |
| 5 | 34515238 | G | A | rs78103323 | 6.47E-05 | 0.034 | 0.063 | 0.53 | 0.39 | -0.73 | 6.69E-01 | 0.040 | 0.040 | 1.00 | 0.74 | -1.34 | 0.68 | 9.31E-04 | C1QTNF3-AMACR(dist=390605), RAI14(dist=141195) | intergenic |
| 18 | 10229841 | C | A | rs73944732 | 4.88E-05 | 0.020 | 0.043 | 0.44 | 0.3 | -0.67 | 8.14E-01 | 0.036 | 0.035 | 1.03 | 0.75 | -1.4 | 0.63 | 9.36E-04 | VAPA(dist=269823), LINC01254(dist=175289) | intergenic |
| 19 | 50301545 | G | A | rs7251463 | 6.01E-01 | 0.394 | 0.384 | 1.05 | 0.92 | -1.19 | 1.62E-05 | 0.416 | 0.368 | 1.22 | 1.08 | -1.37 | 1.18 | 9.41E-04 | AP2A1 | intronic |
| 14 | 26611535 | A | G | rs10483312 | 8.18E-01 | 0.026 | 0.022 | 1.20 | 0.8 | -1.78 | 7.02E-06 | 0.055 | 0.037 | 1.48 | 1.13 | -1.94 | 1.60 | 9.52E-04 | STXBP6(dist=1092032), NOVA1(dist=303554) | intergenic |
| 18 | 5007091 | C | A | rs59728271 | 5.33E-01 | 0.355 | 0.360 | 0.98 | 0.86 | -1.11 | 5.93E-05 | 0.371 | 0.313 | 1.29 | 1.14 | -1.46 | 1.20 | 9.57E-04 | DLGAP1(dist=551825), C18orf42(dist=136581) | intergenic |
| 19 | 11640549 | A | G | rs10412437 | 9.78E-06 | 0.526 | 0.484</ | | | | | | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------------------|----------|-------|-------|------------------|---------------|---|----------------|
| 10 | 15459613 | T | A | rs56294000 | 5.50E-01 | 0.117 | 0.108 | 1.09 0.9 - 1.33 | 6.25E-05 | 0.136 | 0.104 | 1.36 1.14 - 1.62 | 1.28 9.93E-04 | FAM171A1(dist=46555), ITGA8(dist=96335) | intergenic |
| 19 | 50304336 | A | G | rs1003424 | 8.18E-01 | 0.406 | 0.399 | 1.03 0.91 - 1.17 | 1.19E-05 | 0.441 | 0.384 | 1.26 1.12 - 1.42 | 1.17 9.97E-04 | AP2A1 | intronic |
| 3 | 30188241 | A | G | rs115041955 | 7.18E-01 | 0.026 | 0.027 | 1.98 0.67 - 1.44 | 4.65E-05 | 0.049 | 0.028 | 1.77 1.33 - 2.36 | 1.62 1.01E-03 | RBMS3(dist=136355), TGFBR2(dist=459753) | intergenic |
| 6 | 29405294 | A | G | rs116794822 | 5.56E-01 | 0.116 | 0.113 | 1.03 0.85 - 1.26 | 3.77E-05 | 0.139 | 0.095 | 1.54 1.29 - 1.83 | 1.27 1.01E-03 | OR11A1(dist=9785), OR10C1(dist=2422) | intergenic |
| 3 | 178935943 | C | T | rs45455192 | 6.83E-01 | 0.037 | 0.035 | 1.06 0.76 - 1.48 | 5.35E-05 | 0.021 | 0.043 | 0.48 0.32 - 0.7 | 0.64 1.02E-03 | PIK3CA | intronic |
| 19 | 20397192 | G | A | rs11673473 | 6.82E-01 | 0.081 | 0.075 | 1.09 0.86 - 1.37 | 4.50E-05 | 0.108 | 0.082 | 1.34 1.11 - 1.63 | 1.36 1.02E-03 | ZNF486(dist=85893), MIR1270(dist=112889) | intergenic |
| 15 | 89870347 | G | A | rs2307453 | 5.63E-01 | 0.066 | 0.066 | 1.01 0.79 - 1.3 | 3.85E-05 | 0.079 | 0.050 | 1.64 1.3 - 2.05 | 1.39 1.02E-03 | POLG | intronic |
| 19 | 20398459 | C | T | rs60147306 | 7.04E-01 | 0.081 | 0.075 | 1.09 0.86 - 1.37 | 4.09E-05 | 0.107 | 0.082 | 1.35 1.11 - 1.64 | 1.36 1.03E-03 | ZNF486(dist=87160), MIR1270(dist=111622) | intergenic |
| 14 | 62793384 | A | G | rs75421668 | 5.32E-01 | 0.383 | 0.379 | 0.98 0.87 - 1.12 | 5.48E-05 | 0.403 | 0.342 | 0.77 0.68 - 0.87 | 0.86 1.03E-03 | LINC00644(dist=186693), KCNH5(dist=379907) | intergenic |
| 11 | 5434112 | A | G | rs10838064 | 5.47E-01 | 0.416 | 0.422 | 1.02 0.9 - 1.16 | 4.49E-05 | 0.460 | 0.394 | 0.76 0.68 - 0.86 | 0.85 1.03E-03 | OR51B5 | intronic |
| 1 | 221212522 | G | A | rs12097387 | 4.78E-01 | 0.244 | 0.244 | 1.00 0.87 - 1.15 | 2.17E-05 | 0.262 | 0.205 | 1.38 1.2 - 1.58 | 1.21 1.04E-03 | HLX(dist=154122), C1orf140(dist=290748) | intergenic |
| 5 | 117755812 | G | A | rs78814990 | 9.57E-01 | 0.066 | 0.069 | 0.95 0.74 - 1.22 | 3.17E-06 | 0.093 | 0.057 | 1.70 1.37 - 2.1 | 1.37 1.04E-03 | LOC101927280 | ncRNA_intronic |
| 5 | 117757644 | G | A | rs114818095 | 9.56E-01 | 0.066 | 0.069 | 0.95 0.74 - 1.22 | 3.25E-06 | 0.093 | 0.057 | 1.70 1.37 - 2.1 | 1.37 1.05E-03 | LOC101927280 | ncRNA_intronic |
| 13 | 100433420 | T | A | rs12869202 | 6.66E-01 | 0.364 | 0.375 | 1.05 0.92 - 1.19 | 2.56E-05 | 0.333 | 0.383 | 1.24 1.1 - 1.41 | 1.19 1.05E-03 | LOC101927437 | ncRNA_intronic |
| 2 | 224883317 | A | T | rs115500795 | 4.30E-05 | 0.090 | 0.060 | 1.56 1.24 - 1.97 | 5.43E-01 | 0.073 | 0.065 | 1.13 0.9 - 1.42 | 1.37 1.05E-03 | SERPINE2 | intronic |
| 19 | 20391812 | G | C | rs55820568 | 6.77E-01 | 0.081 | 0.074 | 1.09 0.87 - 1.37 | 4.88E-05 | 0.106 | 0.081 | 1.34 1.11 - 1.63 | 1.36 1.06E-03 | ZNF486(dist=80513), MIR1270(dist=118269) | intergenic |
| 19 | 20391825 | G | A | rs55698749 | 6.77E-01 | 0.081 | 0.074 | 1.09 0.87 - 1.37 | 4.88E-05 | 0.106 | 0.081 | 1.34 1.11 - 1.63 | 1.36 1.06E-03 | ZNF486(dist=80526), MIR1270(dist=118269) | intergenic |
| 19 | 20391467 | G | C | rs73000751 | 6.77E-01 | 0.080 | 0.074 | 1.09 0.87 - 1.37 | 4.90E-05 | 0.106 | 0.081 | 1.34 1.11 - 1.63 | 1.36 1.06E-03 | ZNF486(dist=80168), MIR1270(dist=118516) | intergenic |
| 10 | 130777272 | C | A | rs59034365 | 2.99E-05 | 0.058 | 0.038 | 1.56 1.17 - 2.07 | 7.52E-01 | 0.026 | 0.024 | 1.11 0.77 - 1.61 | 1.69 1.07E-03 | LINC01163(dist=661282), MGMT(dist=488182) | intergenic |
| 13 | 100433422 | A | T | rs12868025;rs199715736 | 5.45E-01 | 0.372 | 0.385 | 1.06 0.93 - 1.2 | 5.02E-05 | 0.347 | 0.393 | 1.22 1.08 - 1.38 | 1.19 1.08E-03 | LOC101927437 | ncRNA_intronic |
| 7 | 45912764 | A | G | rs10241749;rs386712768 | 2.04E-05 | 0.069 | 0.093 | 1.39 1.1 - 1.75 | 5.24E-01 | 0.099 | 0.108 | 1.11 0.91 - 1.35 | 1.37 1.09E-03 | SEPT7P2(dist=104147), IGFBP1(dist=15195) | intergenic |
| 11 | 41217610 | G | A | rs114370510 | 1.17E-05 | 0.075 | 0.048 | 1.59 1.24 - 2.05 | 6.42E-01 | 0.060 | 0.054 | 1.11 0.87 - 1.42 | 1.40 1.11E-03 | LRRC4C | intronic |
| 17 | 26419883 | G | A | rs34455313 | 5.72E-05 | 0.054 | 0.026 | 2.12 1.55 - 2.91 | 5.74E-01 | 0.050 | 0.053 | 0.94 0.72 - 1.22 | 1.55 1.12E-03 | NLK | intronic |
| 19 | 20359950 | T | C | rs57015009 | 7.40E-01 | 0.084 | 0.078 | 1.09 0.87 - 1.36 | 3.99E-05 | 0.114 | 0.089 | 1.32 1.09 - 1.59 | 1.35 1.12E-03 | ZNF486(dist=48651), MIR1270(dist=150131) | intergenic |
| 18 | 10213500 | T | A | rs73945425 | 5.76E-05 | 0.018 | 0.040 | 0.45 0.3 - 0.69 | 7.83E-01 | 0.030 | 0.030 | 1.01 0.72 - 1.43 | 0.60 1.12E-03 | VAPA(dist=253482), LINC01254(dist=191630) | intergenic |
| 15 | 24586212 | A | G | rs180754592 | 6.82E-01 | 0.036 | 0.037 | 0.98 0.71 - 1.37 | 5.15E-05 | 0.054 | 0.031 | 1.78 1.35 - 2.34 | 1.52 1.12E-03 | PWRN2(dist=171159), PWRN3(dist=10062) | intergenic |
| 19 | 50301820 | A | G | rs7247082 | 6.45E-01 | 0.185 | 0.179 | 1.04 0.89 - 1.22 | 4.98E-05 | 0.205 | 0.160 | 1.35 1.17 - 1.57 | 1.22 1.13E-03 | AP2A1 | intronic |
| 18 | 10212868 | C | T | rs59537660 | 5.81E-05 | 0.018 | 0.040 | 0.45 0.3 - 0.69 | 7.84E-01 | 0.030 | 0.030 | 1.01 0.72 - 1.43 | 0.60 1.13E-03 | VAPA(dist=252850), LINC01254(dist=192262) | intergenic |
| 4 | 122554241 | A | C | rs60035947 | 9.03E-01 | 0.282 | 0.282 | 1.00 0.87 - 1.15 | 7.73E-06 | 0.236 | 0.296 | 0.73 0.64 - 0.84 | 0.84 1.13E-03 | QRFPR(dist=252060), ANXA5(dist=34911) | intergenic |
| 18 | 27863027 | C | A | rs36069798 | 7.56E-01 | 0.451 | 0.456 | 0.98 0.87 - 1.11 | 1.54E-05 | 0.377 | 0.435 | 0.79 0.7 - 0.89 | 0.86 1.14E-03 | NONE(dist=NONE), MIR302F(dist=15849) | intergenic |
| 17 | 33273163 | T | C | rs114899415 | 2.20E-06 | 0.051 | 0.090 | 0.54 0.42 - 0.71 | 8.15E-01 | 0.064 | 0.060 | 1.06 0.83 - 1.35 | 0.74 1.15E-03 | CCT6B | intronic |
| 11 | 104957726 | A | C | rs12273474 | 6.97E-06 | 0.073 | 0.048 | 1.55 1.2 - 2 | 8.99E-01 | 0.044 | 0.043 | 1.03 0.77 - 1.37 | 1.49 1.15E-03 | CARD16(dist=41675), CARD17(dist=5470) | intergenic |
| 8 | 97348951 | G | A | rs62514612 | 5.15E-01 | 0.096 | 0.088 | 1.10 0.89 - 1.37 | 5.79E-05 | 0.115 | 0.086 | 1.38 1.15 - 1.67 | 1.32 1.15E-03 | PTDSS1(dist=2172), LOC102724804(dist=35203) | intergenic |
| 5 | 25996181 | C | T | rs6860634 | 2.66E-05 | 0.164 | 0.120 | 1.45 1.21 - 1.72 | 6.45E-01 | 0.140 | 0.139 | 1.01 0.85 - 1.19 | 1.25 1.15E-03 | LOC340107(dist=1155489), CDH9(dist=884528) | intergenic |
| 4 | 68192857 | C | T | rs1348060 | 6.55E-01 | 0.481 | 0.486 | 0.98 0.87 - 1.11 | 5.37E-05 | 0.443 | 0.510 | 0.76 0.68 - 0.86 | 0.86 1.16E-03 | MIR1269A(dist=1050211), LOC101927237(dist=90166) | intergenic |
| 6 | 29407975 | C | T | rs11755177 | 5.68E-01 | 0.117 | 0.114 | 1.03 0.85 - 1.25 | 4.53E-05 | 0.140 | 0.096 | 1.53 1.28 - 1.82 | 1.27 1.17E-03 | OR10C1 | exonic |
| 20 | 13676460 | C | A | rs11907621 | 8.05E-01 | 0.020 | 0.021 | 1.00 0.64 - 1.55 | 2.98E-05 | 0.039 | 0.020 | 1.96 1.41 - 2.72 | 1.71 1.17E-03 | TASP1(dist=56877), ESF1(dist=18509) | intergenic |
| 18 | 10227666 | C | T | rs73942893 | 4.31E-05 | 0.015 | 0.037 | 0.41 0.26 - 0.64 | 8.76E-01 | 0.031 | 0.030 | 1.03 0.74 - 1.45 | 0.61 1.18E-03 | VAPA(dist=267648), LINC01254(dist=177464) | intergenic |
| 18 | 10224838 | T | A | rs79115711 | 4.94E-05 | 0.016 | 0.037 | 0.42 0.27 - 0.65 | 8.43E-01 | 0.031 | 0.030 | 1.03 0.73 - 1.44 | 0.61 1.18E-03 | VAPA(dist=264820), LINC01254(dist=180292) | intergenic |
| 3 | 168402653 | G | C | rs6774143 | 5.98E-01 | 0.149 | 0.135 | 0.89 0.75 - 1.06 | 5.57E-05 | 0.196 | 0.161 | 0.79 0.68 - 0.91 | 0.81 1.18E-03 | EGFEM1P | ncRNA_intronic |
| 8 | 61462541 | A | G | rs11778888 | 4.97E-05 | 0.187 | 0.239 | 0.73 0.63 - 0.86 | 4.81E-01 | 0.210 | 0.219 | 0.94 0.82 - 1.09 | 0.84 1.18E-03 | RAB2A | intronic |
| 18 | 10224958 | C | T | rs58657051 | 4.94E-05 | 0.016 | 0.037 | 0.42 0.27 - 0.65 | 8.43E-01 | 0.031 | 0.030 | 1.03 0.73 - 1.44 | 0.61 1.18E-03 | VAPA(dist=264940), LINC01254(dist=180172) | intergenic |
| 1 | 52407590 | G | C | rs1935290 | 5.14E-01 | 0.034 | 0.028 | 1.22 0.86 - 1.73 | 3.46E-05 | 0.043 | 0.027 | 1.65 1.22 - 2.24 | 1.62 1.18E-03 | RAB3B | intronic |
| 12 | 114982606 | A | C | rs386766547;rs2252912 | 8.38E-01 | 0.385 | 0.380 | 1.02 0.9 - 1.16 | 2.48E-06 | 0.337 | 0.403 | 0.75 0.67 - 0.85 | 0.84 1.19E-03 | TBX5-AS1(dist=131969), TBX3(dist=125453) | intergenic |
| 1 | 26485291 | T | C | rs1335762 | 8.41E-01 | 0.188 | 0.175 | 1.10 0.93 - 1.29 | 8.29E-06 | 0.237 | 0.198 | 1.26 1.09 - 1.45 | 1.21 1.19E-03 | FAM110D | upstream |
| 3 | 168402381 | T | A | rs6763030 | 6.01E-01 | 0.149 | 0.135 | 0.89 0.75 - 1.06 | 5.56E-05 | 0.196 | 0.161 | 0.79 0.68 - 0.91 | 0.81 1.19E-03 | EGFEM1P | ncRNA_intronic |
| 5 | 25996772 | G | A | rs10039353 | 2.76E-05 | 0.164 | 0.120 | 1.45 1.21 - 1.72 | 6.49E-01 | 0.140 | 0.139 | 1.01 0.85 - 1.19 | 1.24 1.19E-03 | LOC340107(dist=1156080), CDH9(dist=883937) | intergenic |
| 20 | 13669776 | C | T | rs138863896 | 8.75E-01 | 0.020 | 0.020 | 0.98 0.63 - 1.53 | 2.24E-05 | 0.039 | 0.020 | 1.94 1.4 - 2.69 | 1.73 1.20E-03 | TASP1(dist=50193), ESF1(dist=25193) | intergenic |
| 1 | 104446681 | G | A | rs6683918 | 7.09E-01 | 0.053 | 0.045 | 1.18 0.89 - 1.56 | 1.16E-05 | 0.079 | 0.059 | 1.36 1.09 - 1.7 | 1.42 1.20E-03 | AMY1A(dist=145370), LOC100129138(dist=168964) | intergenic |
| 8 | 38860388 | C | T | rs56061814 | 8.23E-01 | 0.078 | 0.086 | 0.90 0.72 - 1.13 | 1.98E-06 | 0.118 | 0.074 | 1.66 1.37 - 2.01 | 1.31 1.20E-03 | ADAM9 | intronic |
| 4 | 58248526 | T | A | rs61357246 | 5.50E-01 | 0.035 | 0.033 | 1.07 0.76 - 1.5 | 2.85E-05 | 0.043 | 0.022 | 1.95 1.43 - 2.67 | 1.55 1.20E-03 | IGFBP7-AS1(dist=177061), LOC101928851(dist=43512) | intergenic |
| 12 | 1629925 | G | A | rs4520648 | 9.55E-01 | 0.129 | 0.126 | 0.97 0.81 - 1.17 | 8.74E-06 | 0.091 | 0.135 | 1.56 1.28 - 1.9 | 1.27 1.21E-03 | LINC00942(dist=16335), FBXL14(dist=45234) | intergenic |
| 6 | 10921446 | A | C | rs150570415 | 3.86E-01 | 0.057 | 0.052 | 1.09 0.83 - 1.43 | 4.88E-05 | 0.067 | 0.043 | 1.58 1.24 - 2.02 | 1.45 1.21E-03 | SYCP2L | intronic |
| 18 | 27864820 | T | C | rs4316825 | 7.50E-01 | 0.452 | 0.456 | 0.98 0.87 - 1.11 | 1.81E-05 | 0.379 | 0.436 | 0.79 0.7 - 0.89 | 0.86 1.21E-03 | NONE(dist=NONE), MIR302F(dist=14056) | intergenic |
| 5 | 117758301 | A | G | rs151084222 | 9.78E-01 | 0.064 | 0.068 | 0.94 0.74 - 1.21 | 4.05E-06 | 0.091 | 0.056 | 1.70 1.37 - 2.11 | 1.37 1.22E-03 | LOC101927280 | ncRNA_intronic |
| 7 | 109522894 | G | T | rs79635605 | 3.11E-05 | 0.076 | 0.119 | 0.61 0.49 - 0.76 | 7.50E-01 | 0.110 | 0.109 | 1.01 0.84 - 1.22 | 0.77 1.24E-03 | C7orf66(dist=998250), EIF3IP1(dist=76390) | intergenic |
| 10 | 89459346 | C | T | rs142306880 | 8.88E-01 | 0.039 | 0.041 | 0.95 0.69 - 1.3 | 2.51E-05 | 0.059 | 0.035 | 1.72 1.32 - 2.24 | 1.51 1.24E-03 | PAPSS2 | intronic |
| 6 | 29408057 | C | A | rs11755182 | 6.14E-01 | 0.113 | 0.110 | 1.03 0.84 - 1.25 | 4.54E-05 | 0.140 | 0.096 | 1.53 1.28 - 1.82 | 1.27 1.25E-03 | OR10C1 | exonic |
| 5 | 25997102 | G | A | rs10063622 | 2.83E-05 | 0.165 | 0.120 | 1.44 1.21 - 1.72 | 6.58E-01 | 0.141 | 0.140 | 1.01 0.85 - 1.19 | 1.24 1.25E-03 | LOC340107(dist=1156410), CDH9(dist=883607) | intergenic |
| 18 | 28024379 | A | C | rs62079985 | 6.05E-05 | 0.258 | 0.312 | 0.77 0.67 - 0.88 | 6.59E-01 | 0.249 | 0.254 | 0.97 0.85 - 1.11 | 0.85 1.25E-03 | MIR302F(dist=145453), DSC3(dist=544952) | intergenic |
| 15 | 61084364 | A | C | rs75411089 | 9.00E-01 | 0.118 | 0.104 | 1.15 0.95 - 1.4 | 8.89E-06 | 0.146 | 0.116 | 1.30 1.09 - 1.54 | 1.27 1.25E-03 | RORA | intronic |
| 3 | 59745406 | C | G | rs4679504 | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 5 | 117762894 | C | G | rs75143667 | 9.70E-01 | 0.064 | 0.067 | 0.95 | 0.74 | -1.22 | 4.88E-06 | 0.091 | 0.056 | 1.69 | 1.37 | -2.1 | 1.37 | 1.27E-03 | LOC101927280 | ncRNA_intronic |
| 19 | 50308134 | G | C | rs2241040 | 7.90E-01 | 0.410 | 0.403 | 1.03 | 0.91 | -1.17 | 2.27E-05 | 0.441 | 0.386 | 1.25 | 1.11 | -1.41 | 1.16 | 1.27E-03 | AP2A1 | intronic |
| 14 | 94369104 | T | C | rs4905111 | 5.82E-01 | 0.068 | 0.061 | 0.89 | 0.69 | -1.14 | 3.40E-05 | 0.086 | 0.062 | 0.70 | 0.57 | -0.87 | 0.73 | 1.27E-03 | PRIMA1(dist=114338), FAM181A-AS1(dist=1972) | intergenic |
| 18 | 72908354 | G | A | rs145717809 | 2.41E-05 | 0.070 | 0.044 | 1.63 | 1.25 | -2.12 | 9.43E-01 | 0.037 | 0.035 | 1.04 | 0.76 | -1.43 | 1.46 | 1.28E-03 | ZADH2 | downstream |
| 21 | 16835028 | G | A | rs12626383;rs201766816 | 5.89E-01 | 0.424 | 0.443 | 0.92 | 0.82 | -1.05 | 4.87E-05 | 0.397 | 0.441 | 0.83 | 0.74 | -0.94 | 0.85 | 1.31E-03 | NRIP1(dist=397902), USP25(dist=267316) | intergenic |
| 15 | 33898218 | A | G | rs58352226 | 6.21E-01 | 0.280 | 0.282 | 0.99 | 0.86 | -1.13 | 5.75E-05 | 0.229 | 0.283 | 0.75 | 0.66 | -0.86 | 0.85 | 1.32E-03 | RYR3 | intronic |
| 5 | 117748902 | C | G | rs7714378 | 9.78E-01 | 0.065 | 0.068 | 0.95 | 0.74 | -1.21 | 4.92E-06 | 0.091 | 0.056 | 1.70 | 1.37 | -2.1 | 1.36 | 1.32E-03 | LOC101927280 | ncRNA_intronic |
| 3 | 168397443 | T | A | rs6764149 | 6.38E-01 | 0.149 | 0.135 | 0.90 | 0.75 | -1.07 | 5.49E-05 | 0.195 | 0.160 | 0.79 | 0.68 | -0.91 | 0.81 | 1.33E-03 | EGFEM1P | ncRNA_intronic |
| 5 | 75940899 | C | T | rs151089490 | 4.72E-05 | 0.035 | 0.065 | 0.52 | 0.38 | -0.71 | 8.33E-01 | 0.049 | 0.046 | 1.05 | 0.8 | -1.38 | 0.70 | 1.33E-03 | IQGAP2 | intronic |
| 14 | 105433947 | C | A | rs115956192 | 8.57E-01 | 0.027 | 0.027 | 1.00 | 0.68 | -1.46 | 1.93E-06 | 0.040 | 0.021 | 1.90 | 1.38 | -2.62 | 1.72 | 1.33E-03 | AHNAK2 | intronic |
| 4 | 122562546 | G | C | rs1842382 | 8.80E-01 | 0.280 | 0.280 | 1.00 | 0.87 | -1.15 | 1.02E-05 | 0.235 | 0.294 | 0.74 | 0.64 | -0.85 | 0.85 | 1.34E-03 | QRFPR(dist=260365), ANXA5(dist=26606) | intergenic |
| 5 | 75936133 | G | A | rs79333188 | 4.76E-05 | 0.035 | 0.065 | 0.52 | 0.38 | -0.71 | 8.33E-01 | 0.050 | 0.047 | 1.05 | 0.8 | -1.38 | 0.70 | 1.34E-03 | IQGAP2 | intronic |
| 19 | 50306198 | G | T | rs28736735 | 6.85E-01 | 0.185 | 0.180 | 1.04 | 0.88 | -1.22 | 5.41E-05 | 0.204 | 0.159 | 1.36 | 1.17 | -1.57 | 1.22 | 1.35E-03 | AP2A1 | intronic |
| 18 | 10230884 | C | T | rs73944735 | 5.79E-05 | 0.017 | 0.038 | 0.44 | 0.28 | -0.67 | 8.30E-01 | 0.033 | 0.032 | 1.02 | 0.74 | -1.43 | 0.61 | 1.35E-03 | VAPA(dist=270866), LINC01254(dist=174246) | intergenic |
| 5 | 27249348 | G | A | rs4133220 | 3.09E-05 | 0.045 | 0.071 | 0.62 | 0.46 | -0.82 | 6.10E-01 | 0.060 | 0.067 | 0.88 | 0.69 | -1.13 | 0.73 | 1.35E-03 | CDH9(dist=210659), LINC01021(dist=223051) | intergenic |
| 9 | 38055128 | A | G | rs3849927 | 7.44E-01 | 0.342 | 0.338 | 0.98 | 0.86 | -1.12 | 2.61E-05 | 0.376 | 0.320 | 0.78 | 0.69 | -0.88 | 0.85 | 1.36E-03 | SHB | intronic |
| 18 | 10231104 | T | C | rs61028671 | 5.90E-05 | 0.017 | 0.038 | 0.44 | 0.28 | -0.68 | 8.31E-01 | 0.033 | 0.032 | 1.02 | 0.74 | -1.43 | 0.61 | 1.37E-03 | VAPA(dist=271086), LINC01254(dist=174026) | intergenic |
| 8 | 117397606 | T | A | rs10107681 | 2.19E-05 | 0.450 | 0.524 | 0.74 | 0.66 | -0.84 | 6.48E-01 | 0.484 | 0.479 | 1.02 | 0.91 | -1.14 | 0.86 | 1.37E-03 | LINC00536(dist=60309), EIF3H(dist=259449) | intergenic |
| 11 | 18180484 | C | T | rs12278693 | 8.89E-01 | 0.034 | 0.035 | 0.97 | 0.69 | -1.37 | 3.94E-06 | 0.050 | 0.028 | 1.81 | 1.36 | -2.41 | 1.58 | 1.38E-03 | MRGPRX3(dist=20457), MRGPRX4(dist=13900) | intergenic |
| 8 | 5903561 | A | T | rs79754409 | 1.41E-05 | 0.066 | 0.033 | 2.10 | 1.58 | -2.79 | 6.18E-01 | 0.051 | 0.057 | 0.90 | 0.69 | -1.17 | 1.43 | 1.42E-03 | CSMD1(dist=1051233), LOC100287015(dist=357516) | intergenic |
| 4 | 122556687 | A | T | rs4773669 | 9.11E-01 | 0.279 | 0.279 | 1.00 | 0.87 | -1.15 | 9.65E-06 | 0.235 | 0.294 | 0.74 | 0.64 | -0.84 | 0.85 | 1.42E-03 | QRFPR(dist=254506), ANXA5(dist=32465) | intergenic |
| 5 | 75935296 | A | G | rs74450839 | 4.66E-05 | 0.035 | 0.065 | 0.52 | 0.38 | -0.71 | 8.62E-01 | 0.049 | 0.046 | 1.05 | 0.8 | -1.39 | 0.71 | 1.42E-03 | IQGAP2 | intronic |
| 8 | 124207022 | C | T | rs34704426 | 8.50E-01 | 0.059 | 0.051 | 1.15 | 0.88 | -1.51 | 4.03E-05 | 0.093 | 0.069 | 1.38 | 1.12 | -1.7 | 1.35 | 1.43E-03 | FAM83A | intronic |
| 8 | 61418903 | T | C | rs35837434 | 3.31E-05 | 0.188 | 0.241 | 0.73 | 0.62 | -0.85 | 5.74E-01 | 0.213 | 0.221 | 0.95 | 0.83 | -1.1 | 0.84 | 1.43E-03 | LINC01301(dist=92526), RAB2A(dist=10566) | intergenic |
| 13 | 109683497 | C | T | rs140898862 | 7.61E-06 | 0.052 | 0.032 | 1.66 | 1.22 | -2.25 | 9.95E-01 | 0.034 | 0.033 | 1.04 | 0.75 | -1.44 | 1.58 | 1.43E-03 | MYO16 | intronic |
| 8 | 61540328 | G | A | rs2625445 | 5.93E-05 | 0.191 | 0.242 | 0.74 | 0.63 | -0.86 | 5.14E-01 | 0.216 | 0.225 | 0.95 | 0.82 | -1.09 | 0.84 | 1.44E-03 | RAB2A(dist=4125), CHD7(dist=50996) | intergenic |
| 18 | 64915395 | A | G | rs28842796 | 5.28E-01 | 0.044 | 0.040 | 1.09 | 0.8 | -1.48 | 5.76E-05 | 0.067 | 0.046 | 1.48 | 1.16 | -1.89 | 1.49 | 1.44E-03 | MIR5011(dist=166472), DSEL(dist=258424) | intergenic |
| 6 | 33983640 | T | C | rs6457754 | 5.73E-01 | 0.504 | 0.497 | 0.97 | 0.86 | -1.1 | 5.81E-05 | 0.509 | 0.429 | 1.38 | 1.23 | -1.55 | 1.16 | 1.44E-03 | MIR1275(dist=15812), GRM4(dist=2780) | intergenic |
| 7 | 14222768 | C | T | rs74883414 | 4.35E-01 | 0.088 | 0.088 | 1.01 | 0.81 | -1.25 | 8.13E-06 | 0.085 | 0.059 | 1.48 | 1.19 | -1.84 | 1.40 | 1.45E-03 | DGKB | intronic |
| 5 | 75934732 | A | G | rs114790677 | 4.34E-05 | 0.035 | 0.065 | 0.52 | 0.38 | -0.71 | 8.87E-01 | 0.045 | 0.043 | 1.05 | 0.79 | -1.4 | 0.70 | 1.46E-03 | IQGAP2 | intronic |
| 6 | 4967652 | C | G | rs9504295 | 3.24E-06 | 0.105 | 0.064 | 1.72 | 1.38 | -2.15 | 9.80E-01 | 0.085 | 0.087 | 0.97 | 0.78 | -1.19 | 1.33 | 1.46E-03 | CDYL(dist=11874), RPP40(dist=27628) | intergenic |
| 14 | 30744958 | T | C | rs77687729 | 6.20E-01 | 0.021 | 0.025 | 0.87 | 0.57 | -1.32 | 5.38E-05 | 0.008 | 0.023 | 0.35 | 0.19 | -0.64 | 0.59 | 1.46E-03 | PRKD1(dist=348059), G2E3(dist=283371) | intergenic |
| 8 | 118003425 | A | T | rs184263437 | 1.14E-05 | 0.049 | 0.027 | 1.86 | 1.35 | -2.55 | 8.94E-01 | 0.028 | 0.026 | 1.09 | 0.76 | -1.55 | 1.56 | 1.47E-03 | SLC30A8 | intronic |
| 17 | 13575708 | T | C | rs9892382 | 4.47E-01 | 0.478 | 0.470 | 1.03 | 0.91 | -1.17 | 6.03E-05 | 0.491 | 0.441 | 1.22 | 1.09 | -1.37 | 1.16 | 1.47E-03 | HS3ST3A1(dist=70449), CDRT15P1(dist=352107) | intergenic |
| 8 | 118002467 | T | C | rs115789225 | 1.17E-05 | 0.049 | 0.027 | 1.86 | 1.35 | -2.56 | 8.91E-01 | 0.028 | 0.026 | 1.09 | 0.76 | -1.55 | 1.56 | 1.47E-03 | SLC30A8 | intronic |
| 13 | 51070197 | A | C | rs185623258 | 8.17E-01 | 0.035 | 0.033 | 1.06 | 0.75 | -1.49 | 2.85E-05 | 0.048 | 0.032 | 1.55 | 1.17 | -2.06 | 1.71 | 1.48E-03 | DLEU1 | ncRNA_intronic |
| 5 | 75937479 | G | C | rs6873976 | 5.24E-05 | 0.035 | 0.065 | 0.52 | 0.38 | -0.71 | 8.56E-01 | 0.050 | 0.048 | 1.06 | 0.81 | -1.38 | 0.71 | 1.48E-03 | IQGAP2 | intronic |
| 3 | 63959465 | C | T | rs62252368 | 5.53E-01 | 0.195 | 0.204 | 0.94 | 0.81 | -1.1 | 8.95E-07 | 0.245 | 0.190 | 1.38 | 1.2 | -1.59 | 1.20 | 1.49E-03 | ATXN7 | intronic |
| 6 | 29415862 | T | C | rs6911542 | 5.79E-01 | 0.112 | 0.109 | 1.04 | 0.85 | -1.26 | 6.26E-05 | 0.134 | 0.093 | 1.52 | 1.27 | -1.81 | 1.27 | 1.49E-03 | OR10C1(dist=7108), OR2H1(dist=10368) | intergenic |
| 8 | 117967975 | T | G | rs141796722 | 3.24E-06 | 0.049 | 0.025 | 1.98 | 1.43 | -2.74 | 9.02E-01 | 0.029 | 0.028 | 1.04 | 0.73 | -1.48 | 1.56 | 1.50E-03 | SLC30A8 | intronic |
| 6 | 33985149 | T | C | rs9461943 | 6.34E-01 | 0.487 | 0.495 | 0.97 | 0.85 | -1.09 | 4.47E-05 | 0.505 | 0.425 | 1.38 | 1.23 | -1.55 | 1.16 | 1.51E-03 | MIR1275(dist=17321), GRM4(dist=1271) | intergenic |
| 12 | 93873085 | A | G | rs141853609 | 4.19E-05 | 0.047 | 0.027 | 1.81 | 1.3 | -2.5 | 5.78E-01 | 0.034 | 0.029 | 1.17 | 0.84 | -1.62 | 1.55 | 1.52E-03 | MRPL42 | intronic |
| 21 | 16835352 | T | A | rs60773275 | 7.14E-01 | 0.421 | 0.438 | 0.93 | 0.82 | -1.06 | 2.98E-05 | 0.397 | 0.444 | 0.83 | 0.73 | -0.93 | 0.86 | 1.52E-03 | NRIP1(dist=398226), USP25(dist=266992) | intergenic |
| 5 | 75942625 | C | A | rs1501688 | 5.75E-05 | 0.035 | 0.064 | 0.52 | 0.38 | -0.72 | 8.40E-01 | 0.048 | 0.046 | 1.05 | 0.8 | -1.38 | 0.71 | 1.53E-03 | IQGAP2 | intronic |
| 12 | 11429914 | C | A | rs61930621 | 4.07E-05 | 0.059 | 0.032 | 1.88 | 1.4 | -2.53 | 5.42E-01 | 0.049 | 0.049 | 1.00 | 0.76 | -1.31 | 1.46 | 1.54E-03 | PRB3(dist=7273), PRB4(dist=30101) | intergenic |
| 19 | 11640570 | T | G | rs10418021 | 4.97E-05 | 0.400 | 0.434 | 1.15 | 1.01 | -1.3 | 5.22E-01 | 0.444 | 0.474 | 1.13 | 1.01 | -1.27 | 1.17 | 1.55E-03 | ECSIT | upstream |
| 5 | 104530580 | G | T | rs189988017 | 7.02E-01 | 0.021 | 0.023 | 0.92 | 0.6 | -1.41 | 2.72E-05 | 0.009 | 0.024 | 0.36 | 0.2 | -0.64 | 0.59 | 1.55E-03 | RAB9BP1(dist=94781), LOC102467213(dist=1620318) | intergenic |
| 21 | 16835276 | A | G | rs57117270 | 7.04E-01 | 0.421 | 0.438 | 0.93 | 0.82 | -1.06 | 3.25E-05 | 0.398 | 0.444 | 0.83 | 0.73 | -0.93 | 0.86 | 1.55E-03 | NRIP1(dist=398150), USP25(dist=267068) | intergenic |
| 10 | 48336123 | C | A | rs745048 | 1.29E-05 | 0.294 | 0.366 | 0.72 | 0.63 | -0.83 | 7.31E-01 | 0.274 | 0.272 | 1.01 | 0.89 | -1.15 | 0.83 | 1.55E-03 | ANXA8(dist=64755), ZNF488(dist=18966) | intergenic |
| 14 | 30717013 | C | T | rs115572041 | 7.04E-01 | 0.026 | 0.029 | 0.89 | 0.6 | -1.3 | 3.38E-05 | 0.009 | 0.026 | 0.35 | 0.19 | -0.62 | 0.62 | 1.56E-03 | PRKD1(dist=320114), G2E3(dist=311316) | intergenic |
| 12 | 4144400 | A | C | rs2532554 | 6.93E-01 | 0.282 | 0.297 | 0.93 | 0.81 | -1.07 | 5.40E-05 | 0.246 | 0.289 | 0.80 | 0.7 | -0.92 | 0.85 | 1.56E-03 | PARP11(dist=161786), CCND2-AS1(dist=213533) | intergenic |
| 4 | 58256071 | A | G | rs139393118 | 5.72E-01 | 0.036 | 0.034 | 1.06 | 0.76 | -1.47 | 3.43E-05 | 0.043 | 0.023 | 1.92 | 1.4 | -2.62 | 1.53 | 1.57E-03 | IGFBP7-AS1(dist=184606), LOC101928851(dist=35967) | intergenic |
| 6 | 92863416 | C | A | rs76901354 | 4.81E-05 | 0.042 | 0.022 | 1.93 | 1.36 | -2.74 | 7.01E-01 | 0.028 | 0.024 | 1.16 | 0.81 | -1.66 | 1.61 | 1.58E-03 | CASC6(dist=463270), EPHA7(dist=1086324) | intergenic |
| 7 | 20538382 | G | T | rs73072690 | 3.86E-05 | 0.179 | 0.237 | 0.70 | 0.6 | -0.82 | 6.12E-01 | 0.221 | 0.223 | 0.99 | 0.86 | -1.14 | 0.84 | 1.59E-03 | ITGB8(dist=83000), ABCB5(dist=116863) | intergenic |
| 8 | 61535125 | C | G | rs649634 | 5.94E-05 | 0.188 | 0.239 | 0.74 | 0.63 | -0.86 | 5.39E-01 | 0.214 | 0.223 | 0.95 | 0.82 | -1.09 | 0.84 | 1.59E-03 | RAB2A | UTR3 |
| 5 | 83545768 | T | G | rs60528905 | 4.56E-01 | 0.079 | 0.077 | 1.03 | 0.82 | -1.29 | 6.12E-05 | 0.087 | 0.064 | 1.40 | 1.13 | -1.73 | 1.43 | 1.60E-03 | EDIL3 | intronic |
| 19 | 7778963 | C | T | rs7254240 | 5.48E-05 | 0.525 | 0.483 | 0.85 | 0.75 | -0.96 | 5.43E-01 | 0.470 | 0.449 | 0.92 | 0.82 | -1.03 | 0.85 | 1.60E-03 | | |

| | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------------------|----------|-------|-------|------|-------------|----------|-------|-------|------|-------------|------|----------|---|----------------|
| 2 | 48021379 | G | C | rs3136302 | 6.05E-01 | 0.190 | 0.170 | 0.87 | 0.74 - 1.03 | 6.25E-05 | 0.229 | 0.198 | 0.83 | 0.72 - 0.96 | 0.82 | 1.69E-03 | MSH6 | intronic |
| 2 | 47602789 | A | G | rs66617176 | 9.06E-01 | 0.266 | 0.276 | 0.95 | 0.83 - 1.09 | 7.32E-06 | 0.225 | 0.271 | 0.78 | 0.68 - 0.9 | 0.85 | 1.69E-03 | EPCAM | intronic |
| 11 | 95994907 | C | T | rs76216526 | 2.61E-06 | 0.043 | 0.023 | 1.91 | 1.35 - 2.69 | 5.19E-01 | 0.020 | 0.021 | 0.94 | 0.62 - 1.43 | 1.69 | 1.69E-03 | MAML2 | intronic |
| 5 | 117732355 | C | A | rs79226776 | 9.58E-01 | 0.071 | 0.074 | 0.96 | 0.75 - 1.21 | 6.83E-06 | 0.095 | 0.059 | 1.67 | 1.35 - 2.06 | 1.34 | 1.69E-03 | LOC101927280 | ncRNA_intronic |
| 9 | 38058424 | C | T | rs4878743 | 7.69E-01 | 0.348 | 0.344 | 0.98 | 0.86 - 1.12 | 4.22E-05 | 0.376 | 0.321 | 0.79 | 0.7 - 0.89 | 0.86 | 1.69E-03 | SHB | intronic |
| 1 | 79181416 | A | G | rs1780747 | 4.27E-05 | 0.296 | 0.235 | 1.37 | 1.19 - 1.57 | 6.40E-01 | 0.281 | 0.282 | 0.99 | 0.87 - 1.13 | 1.18 | 1.70E-03 | IFI44(dist=51653), ADGRL4(dist=174033) | intergenic |
| 2 | 224781994 | A | G | rs73994436 | 3.98E-06 | 0.051 | 0.026 | 2.00 | 1.45 - 2.75 | 6.37E-01 | 0.028 | 0.029 | 0.98 | 0.69 - 1.39 | 1.56 | 1.70E-03 | WDFY1 | intronic |
| 9 | 36119789 | C | T | rs7032577 | 6.23E-06 | 0.087 | 0.056 | 1.62 | 1.28 - 2.06 | 8.89E-01 | 0.066 | 0.061 | 1.09 | 0.86 - 1.38 | 1.34 | 1.71E-03 | RECK | intronic |
| 4 | 85375567 | C | T | rs763540 | 7.66E-01 | 0.324 | 0.320 | 1.02 | 0.89 - 1.16 | 4.67E-05 | 0.359 | 0.302 | 1.29 | 1.14 - 1.46 | 1.16 | 1.71E-03 | LOC101928978(dist=155245), NKX6-1(dist=38869) | intergenic |
| 3 | 63853423 | T | C | rs832192 | 5.44E-01 | 0.156 | 0.168 | 1.09 | 0.92 - 1.29 | 6.27E-07 | 0.206 | 0.153 | 0.70 | 0.6 - 0.81 | 0.83 | 1.72E-03 | ATXN7 | intronic |
| 10 | 53114079 | C | T | rs1189311 | 7.03E-06 | 0.398 | 0.337 | 0.77 | 0.68 - 0.88 | 7.24E-01 | 0.369 | 0.365 | 0.98 | 0.87 - 1.11 | 0.84 | 1.72E-03 | PRKG1 | intronic |
| 18 | 6559611 | A | C | rs16950267 | 9.27E-01 | 0.114 | 0.120 | 0.94 | 0.78 - 1.14 | 1.12E-05 | 0.153 | 0.112 | 1.44 | 1.21 - 1.7 | 1.29 | 1.72E-03 | LINC01387 | ncRNA_intronic |
| 14 | 94370351 | A | T | rs4900204 | 6.23E-01 | 0.071 | 0.064 | 0.91 | 0.71 - 1.16 | 3.62E-05 | 0.089 | 0.064 | 0.70 | 0.57 - 0.87 | 0.74 | 1.72E-03 | FAM181A-AS1 | downstream |
| 1 | 1042378 | A | C | rs12754457 | 6.17E-01 | 0.419 | 0.425 | 0.98 | 0.86 - 1.11 | 5.90E-05 | 0.465 | 0.398 | 1.32 | 1.17 - 1.48 | 1.16 | 1.73E-03 | C1orf159 | intronic |
| 7 | 44325363 | G | T | rs34310058 | 7.33E-01 | 0.094 | 0.084 | 1.14 | 0.92 - 1.41 | 6.37E-05 | 0.087 | 0.132 | 0.63 | 0.51 - 0.77 | 0.78 | 1.73E-03 | CAMK2B | intronic |
| 14 | 104967330 | G | A | rs116440731 | 7.90E-01 | 0.070 | 0.071 | 1.00 | 0.78 - 1.27 | 1.38E-05 | 0.081 | 0.053 | 1.58 | 1.26 - 1.98 | 1.39 | 1.77E-03 | KIF26A(dist=320095), C14orf180(dist=78691) | intergenic |
| 17 | 14672157 | T | A | rs34117928 | 6.66E-01 | 0.051 | 0.048 | 1.05 | 0.79 - 1.39 | 6.46E-05 | 0.092 | 0.066 | 1.43 | 1.16 - 1.76 | 1.37 | 1.77E-03 | HS3ST3B1(dist=419436), CDRT7(dist=262135) | intergenic |
| 4 | 189436696 | C | A | rs73875226 | 3.11E-05 | 0.058 | 0.035 | 1.71 | 1.28 - 2.29 | 8.84E-01 | 0.038 | 0.035 | 1.10 | 0.81 - 1.49 | 1.47 | 1.77E-03 | LINC01060 | ncRNA_intronic |
| 5 | 75936590 | A | G | rs75188974 | 5.40E-05 | 0.034 | 0.063 | 0.52 | 0.38 - 0.71 | 9.00E-01 | 0.045 | 0.042 | 1.05 | 0.79 - 1.4 | 0.71 | 1.77E-03 | IQGAP2 | intronic |
| 6 | 26312002 | C | T | rs138064730 | 6.33E-05 | 0.011 | 0.029 | 0.36 | 0.21 - 0.62 | 7.47E-01 | 0.023 | 0.023 | 1.02 | 0.69 - 1.5 | 0.58 | 1.78E-03 | HIST1H4H(dist=26275), BTN3A2(dist=53385) | intergenic |
| 11 | 95993748 | C | G | rs7934999 | 2.82E-06 | 0.043 | 0.023 | 1.91 | 1.36 - 2.69 | 5.03E-01 | 0.020 | 0.021 | 0.94 | 0.62 - 1.43 | 1.68 | 1.78E-03 | MAML2 | intronic |
| 3 | 63982670 | C | T | rs112674299 | 5.29E-01 | 0.182 | 0.195 | 0.92 | 0.78 - 1.08 | 7.39E-07 | 0.236 | 0.181 | 1.40 | 1.22 - 1.61 | 1.20 | 1.79E-03 | ATXN7 | intronic |
| 3 | 143032259 | G | A | rs79605349 | 8.32E-01 | 0.031 | 0.031 | 1.02 | 0.72 - 1.46 | 1.51E-05 | 0.045 | 0.025 | 1.85 | 1.37 - 2.5 | 1.53 | 1.81E-03 | SLC9A9 | intronic |
| 8 | 29186938 | T | C | rs28473549 | 6.47E-01 | 0.134 | 0.133 | 1.01 | 0.84 - 1.21 | 1.70E-05 | 0.136 | 0.099 | 1.43 | 1.2 - 1.71 | 1.27 | 1.81E-03 | KIF13B(dist=66328), DUSP4(dist=3641) | intergenic |
| 18 | 10220851 | T | A | rs57472523 | 5.98E-05 | 0.017 | 0.038 | 0.43 | 0.28 - 0.67 | 9.51E-01 | 0.032 | 0.031 | 1.04 | 0.75 - 1.46 | 0.62 | 1.81E-03 | VAPA(dist=260833), LINC01254(dist=184279) | intergenic |
| 9 | 205316 | C | T | rs13295177;rs386731354 | 4.53E-05 | 0.195 | 0.251 | 1.32 | 0.62 - 0.84 | 8.16E-01 | 0.211 | 0.202 | 1.06 | 0.91 - 1.22 | 0.82 | 1.83E-03 | CBWD1(dist=26241), C9orf66(dist=7792) | intergenic |
| 8 | 128415351 | T | C | rs7014039 | 6.64E-01 | 0.085 | 0.092 | 0.92 | 0.74 - 1.15 | 6.42E-05 | 0.054 | 0.083 | 0.62 | 0.49 - 0.8 | 0.77 | 1.84E-03 | CASC8 | ncRNA_intronic |
| 13 | 70367678 | C | T | rs144386939 | 7.63E-01 | 0.018 | 0.020 | 0.88 | 0.56 - 1.39 | 2.59E-05 | 0.041 | 0.023 | 1.80 | 1.32 - 2.47 | 1.75 | 1.84E-03 | KLHL1 | intronic |
| 13 | 48802389 | C | G | rs74975473 | 8.36E-01 | 0.064 | 0.064 | 1.00 | 0.77 - 1.28 | 1.71E-05 | 0.079 | 0.048 | 1.71 | 1.36 - 2.16 | 1.36 | 1.86E-03 | MED4(dist=133112), ITM2B(dist=4885) | intergenic |
| 12 | 84648765 | G | A | rs987150 | 6.20E-05 | 0.245 | 0.191 | 1.38 | 1.19 - 1.6 | 5.76E-01 | 0.206 | 0.203 | 1.02 | 0.88 - 1.17 | 1.19 | 1.86E-03 | TMTC2(dist=1120698), SLC6A15(dist=604502) | intergenic |
| 21 | 34122295 | C | T | rs9981698 | 4.38E-05 | 0.115 | 0.160 | 0.68 | 0.57 - 0.82 | 7.17E-01 | 0.139 | 0.140 | 1.00 | 0.84 - 1.18 | 0.81 | 1.88E-03 | PAXBP1 | intronic |
| 3 | 61151781 | C | G | rs6801782 | 5.36E-01 | 0.062 | 0.059 | 1.05 | 0.81 - 1.36 | 6.04E-05 | 0.070 | 0.045 | 1.59 | 1.25 - 2.02 | 1.38 | 1.89E-03 | FHIT | intronic |
| 18 | 27860196 | T | G | rs2960012 | 9.72E-01 | 0.437 | 0.435 | 1.01 | 0.89 - 1.14 | 1.18E-05 | 0.370 | 0.427 | 0.79 | 0.7 - 0.89 | 0.86 | 1.89E-03 | NONE(dist=NONE), MIR302F(dist=18680) | intergenic |
| 2 | 103048157 | G | A | rs56331791 | 7.71E-01 | 0.112 | 0.107 | 1.06 | 0.87 - 1.29 | 4.23E-05 | 0.091 | 0.136 | 0.63 | 0.52 - 0.77 | 0.80 | 1.92E-03 | IL18RAP | intronic |
| 17 | 14672018 | G | A | rs34555009 | 7.47E-01 | 0.052 | 0.051 | 1.03 | 0.78 - 1.36 | 5.46E-05 | 0.095 | 0.068 | 1.43 | 1.16 - 1.75 | 1.37 | 1.95E-03 | HS3ST3B1(dist=419297), CDRT7(dist=262274) | intergenic |
| 15 | 67120717 | A | C | rs4776324 | 8.04E-01 | 0.268 | 0.246 | 0.89 | 0.78 - 1.03 | 5.74E-05 | 0.313 | 0.276 | 0.84 | 0.74 - 0.95 | 0.85 | 1.98E-03 | SMAD6(dist=46380), SMAD3(dist=237478) | intergenic |
| 3 | 143093409 | A | G | rs116244008 | 9.15E-01 | 0.071 | 0.074 | 0.96 | 0.76 - 1.22 | 8.56E-06 | 0.087 | 0.057 | 1.57 | 1.27 - 1.95 | 1.34 | 1.98E-03 | SLC9A9 | intronic |
| 13 | 33872289 | T | C | rs7998857 | 7.04E-01 | 0.216 | 0.221 | 1.03 | 0.88 - 1.19 | 5.91E-05 | 0.252 | 0.205 | 0.76 | 0.67 - 0.88 | 0.81 | 1.98E-03 | STARD13 | intronic |
| 9 | 129347226 | A | G | rs35135990 | 5.89E-05 | 0.259 | 0.298 | 1.21 | 1.05 - 1.39 | 6.03E-01 | 0.346 | 0.364 | 1.08 | 0.96 - 1.22 | 1.18 | 1.99E-03 | IMV12B(dist=77906), LMX1B(dist=29496) | intergenic |
| 15 | 61073700 | T | A | rs62002750 | 9.84E-01 | 0.114 | 0.101 | 1.14 | 0.94 - 1.39 | 1.28E-05 | 0.145 | 0.118 | 1.27 | 1.07 - 1.5 | 1.26 | 1.99E-03 | RORA | intronic |
| 8 | 128415459 | A | C | rs73706719 | 7.31E-01 | 0.087 | 0.093 | 0.93 | 0.75 - 1.16 | 3.73E-05 | 0.052 | 0.082 | 0.62 | 0.48 - 0.8 | 0.78 | 2.00E-03 | CASC8 | ncRNA_intronic |
| 2 | 179815641 | A | G | rs16866575 | 6.23E-01 | 0.026 | 0.020 | 1.28 | 0.85 - 1.93 | 6.18E-05 | 0.041 | 0.029 | 1.43 | 1.05 - 1.94 | 1.71 | 2.00E-03 | CCDC141 | intronic |
| 14 | 105005216 | C | T | rs4983595 | 6.19E-01 | 0.492 | 0.496 | 0.98 | 0.87 - 1.11 | 3.49E-05 | 0.540 | 0.479 | 1.28 | 1.14 - 1.44 | 1.17 | 2.02E-03 | KIF26A(dist=357981), C14orf180(dist=40805) | intergenic |
| 7 | 109545649 | C | G | rs139670053 | 1.62E-05 | 0.081 | 0.126 | 0.61 | 0.49 - 0.76 | 9.57E-01 | 0.119 | 0.115 | 1.04 | 0.87 - 1.25 | 0.78 | 2.04E-03 | C7orf66(dist=1021005), EIF3IP1(dist=53635) | intergenic |
| 10 | 15454414 | A | T | rs4497284 | 9.34E-01 | 0.070 | 0.066 | 1.07 | 0.84 - 1.37 | 3.24E-05 | 0.091 | 0.064 | 1.47 | 1.19 - 1.81 | 1.33 | 2.05E-03 | FAM171A1(dist=41356), ITGA8(dist=101534) | intergenic |
| 4 | 85387480 | A | G | rs1822836 | 8.45E-01 | 0.330 | 0.328 | 1.01 | 0.89 - 1.15 | 3.91E-05 | 0.363 | 0.306 | 1.29 | 1.15 - 1.46 | 1.16 | 2.06E-03 | LOC101928978(dist=167158), NKX6-1(dist=26956) | intergenic |
| 13 | 27719526 | C | T | rs995424 | 9.04E-06 | 0.540 | 0.460 | 1.38 | 1.22 - 1.56 | 8.80E-01 | 0.494 | 0.494 | 1.00 | 0.89 - 1.12 | 1.15 | 2.07E-03 | USP12-AS1 | ncRNA_intronic |
| 19 | 11641375 | C | T | rs8109248 | 3.94E-05 | 0.433 | 0.469 | 1.16 | 1.02 - 1.31 | 6.28E-01 | 0.518 | 0.487 | 1.13 | 1.01 - 1.27 | 1.16 | 2.07E-03 | ECSI1T(dist=1388), CNN1(dist=8204) | intergenic |
| 10 | 15456585 | A | G | rs61842743 | 9.26E-01 | 0.070 | 0.066 | 1.07 | 0.84 - 1.37 | 3.54E-05 | 0.090 | 0.063 | 1.47 | 1.19 - 1.81 | 1.33 | 2.08E-03 | FAM171A1(dist=43527), ITGA8(dist=99363) | intergenic |
| 10 | 15457052 | T | A | rs61842745 | 9.18E-01 | 0.070 | 0.066 | 1.07 | 0.84 - 1.37 | 3.75E-05 | 0.090 | 0.063 | 1.47 | 1.19 - 1.81 | 1.33 | 2.09E-03 | FAM171A1(dist=43994), ITGA8(dist=98896) | intergenic |
| 9 | 38063602 | G | C | rs1928245 | 8.04E-01 | 0.342 | 0.339 | 0.98 | 0.86 - 1.12 | 4.21E-05 | 0.375 | 0.320 | 0.79 | 0.7 - 0.89 | 0.86 | 2.09E-03 | SHB | intronic |
| 8 | 128425346 | T | G | rs56364999 | 7.24E-01 | 0.088 | 0.093 | 0.93 | 0.75 - 1.16 | 5.55E-05 | 0.056 | 0.086 | 0.63 | 0.49 - 0.8 | 0.78 | 2.12E-03 | CASC8 | ncRNA_intronic |
| 8 | 128422983 | A | G | rs60626102 | 7.14E-01 | 0.088 | 0.093 | 0.93 | 0.75 - 1.16 | 6.00E-05 | 0.055 | 0.085 | 0.63 | 0.49 - 0.8 | 0.78 | 2.14E-03 | CASC8 | ncRNA_intronic |
| 10 | 15453795 | A | G | rs61842741 | 9.36E-01 | 0.070 | 0.066 | 1.07 | 0.84 - 1.37 | 3.51E-05 | 0.091 | 0.064 | 1.46 | 1.18 - 1.8 | 1.33 | 2.14E-03 | FAM171A1(dist=40737), ITGA8(dist=102153) | intergenic |
| 7 | 113530892 | C | T | rs4730602 | 6.80E-01 | 0.383 | 0.391 | 1.03 | 0.91 - 1.17 | 2.35E-06 | 0.435 | 0.366 | 0.75 | 0.67 - 0.84 | 0.86 | 2.16E-03 | PPP1R3A | intronic |
| 10 | 54720506 | T | C | rs11003287 | 8.58E-01 | 0.202 | 0.183 | 1.13 | 0.97 - 1.32 | 5.06E-05 | 0.279 | 0.247 | 1.18 | 1.03 - 1.34 | 1.23 | 2.19E-03 | MBL2(dist=189046), PCDH15(dist=842027) | intergenic |
| 12 | 114982603 | T | A | rs2434071;rs200725936;rs386766547 | 6.80E-01 | 0.402 | 0.393 | 1.04 | 0.91 - 1.17 | 3.03E-06 | 0.348 | 0.415 | 0.75 | 0.67 - 0.85 | 0.85 | 2.19E-03 | TBX5-AS1(dist=131966), TBX3(dist=125456) | intergenic |
| 3 | 30190848 | T | C | rs78559607 | 9.43E-01 | 0.023 | 0.026 | 0.91 | 0.61 - 1.36 | 1.89E-05 | 0.048 | 0.027 | 1.82 | 1.36 - 2.44 | 1.55 | 2.20E-03 | RBMS3(dist=138962), TGFBR2(dist=457146) | intergenic |
| 9 | 77259356 | A | C | rs73650028 | 8.46E-01 | 0.104 | 0.106 | 0.98 | 0.8 - 1.2 | 5.95E-05 | 0.129 | 0.091 | 1.49 | 1.24 - 1.78 | 1.26 | 2.21E-03 | RORB | intronic |

| | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|-------------|----------|-------|-------|------|-------------|------|----------|--|----------------|
| 8 | 128417682 | T | C | rs73706745 | 7.14E-01 | 0.087 | 0.093 | 0.93 | 0.75 - 1.16 | 6.41E-05 | 0.055 | 0.085 | 0.63 | 0.49 - 0.8 | 0.78 | 2.22E-03 | CASC8 | ncRNA_intronic |
| 2 | 224697209 | A | G | rs17244479 | 3.57E-05 | 0.464 | 0.398 | 1.31 | 1.15 - 1.48 | 7.23E-01 | 0.451 | 0.446 | 1.02 | 0.91 - 1.15 | 1.16 | 2.22E-03 | AP1S3 | intronic |
| 14 | 30711393 | T | G | rs13379175 | 7.71E-01 | 0.025 | 0.028 | 0.90 | 0.61 - 1.32 | 3.62E-05 | 0.009 | 0.026 | 0.35 | 0.19 - 0.62 | 0.64 | 2.23E-03 | PRKD1(dist=314494), G2E3(dist=316936) | intergenic |
| 6 | 9773987 | C | T | rs141639596 | 3.96E-05 | 0.064 | 0.043 | 1.54 | 1.17 - 2.02 | 9.99E-01 | 0.046 | 0.044 | 1.05 | 0.79 - 1.39 | 1.53 | 2.24E-03 | LOC100506207(dist=988309), TFAP2A(dist=622929) | intergenic |
| 9 | 36128501 | A | T | rs76008883 | 3.50E-06 | 0.091 | 0.058 | 1.62 | 1.28 - 2.05 | 9.62E-01 | 0.067 | 0.063 | 1.07 | 0.84 - 1.35 | 1.33 | 2.24E-03 | RECK(dist=4049), GLIPR2(dist=8032) | intergenic |
| 2 | 182172593 | A | G | rs12613489 | 8.31E-01 | 0.056 | 0.053 | 1.07 | 0.81 - 1.4 | 3.41E-05 | 0.090 | 0.064 | 1.46 | 1.18 - 1.8 | 1.36 | 2.24E-03 | LOC101927156 | ncRNA_intronic |
| 8 | 29192417 | C | T | rs74690328 | 6.66E-01 | 0.132 | 0.131 | 1.01 | 0.84 - 1.21 | 2.68E-05 | 0.132 | 0.096 | 1.42 | 1.19 - 1.7 | 1.27 | 2.25E-03 | DUSP4 | UTR3 |
| 8 | 128417034 | C | A | rs57497300 | 7.15E-01 | 0.087 | 0.093 | 0.93 | 0.75 - 1.16 | 6.48E-05 | 0.055 | 0.085 | 0.63 | 0.49 - 0.8 | 0.78 | 2.25E-03 | CASC8 | ncRNA_intronic |
| 9 | 36128163 | C | G | rs78349723 | 3.51E-06 | 0.091 | 0.058 | 1.62 | 1.28 - 2.05 | 9.62E-01 | 0.067 | 0.063 | 1.07 | 0.84 - 1.35 | 1.33 | 2.25E-03 | RECK(dist=3711), GLIPR2(dist=8370) | intergenic |
| 3 | 177217610 | C | G | rs144640636 | 3.10E-05 | 0.043 | 0.026 | 1.68 | 1.2 - 2.34 | 7.76E-01 | 0.032 | 0.030 | 1.07 | 0.77 - 1.5 | 1.61 | 2.26E-03 | LINC00578 | ncRNA_intronic |
| 7 | 19186465 | C | T | rs10257807 | 7.77E-01 | 0.073 | 0.073 | 1.00 | 0.79 - 1.27 | 6.34E-06 | 0.113 | 0.079 | 1.49 | 1.23 - 1.81 | 1.32 | 2.28E-03 | FERD3L(dist=1421), TWISTNB(dist=548620) | intergenic |
| 13 | 42988924 | A | G | rs7327510 | 5.31E-05 | 0.323 | 0.377 | 1.27 | 1.12 - 1.45 | 6.28E-01 | 0.346 | 0.362 | 1.08 | 0.95 - 1.22 | 1.16 | 2.29E-03 | AKAP11(dist=91521), TNFSF11(dist=147948) | intergenic |
| 3 | 63854445 | C | T | rs832193 | 3.92E-01 | 0.161 | 0.174 | 1.10 | 0.93 - 1.3 | 3.02E-07 | 0.213 | 0.159 | 0.70 | 0.6 - 0.81 | 0.83 | 2.30E-03 | ATXN7 | intronic |
| 8 | 128413978 | A | G | rs7008058 | 7.32E-01 | 0.087 | 0.093 | 0.93 | 0.75 - 1.16 | 5.69E-05 | 0.054 | 0.083 | 0.62 | 0.48 - 0.8 | 0.78 | 2.31E-03 | CCAT2 | ncRNA_exonic |
| 3 | 191960452 | A | T | rs10470541 | 8.81E-01 | 0.467 | 0.471 | 0.98 | 0.87 - 1.11 | 3.21E-05 | 0.500 | 0.433 | 1.31 | 1.17 - 1.47 | 1.15 | 2.32E-03 | FGF12-AS1 | ncRNA_intronic |
| 2 | 47611644 | T | C | rs4953498 | 9.02E-01 | 0.240 | 0.247 | 0.96 | 0.83 - 1.11 | 4.41E-06 | 0.190 | 0.236 | 0.76 | 0.66 - 0.88 | 0.85 | 2.33E-03 | EPCAM | intronic |
| 10 | 70209585 | G | A | rs59391479;rs188115109 | 9.11E-01 | 0.024 | 0.026 | 0.92 | 0.62 - 1.37 | 2.88E-05 | 0.035 | 0.020 | 1.74 | 1.24 - 2.44 | 1.77 | 2.34E-03 | DNA2 | intronic |
| 18 | 4912149 | G | A | rs58670697 | 6.23E-01 | 0.058 | 0.058 | 1.01 | 0.77 - 1.31 | 6.34E-05 | 0.074 | 0.051 | 1.50 | 1.19 - 1.89 | 1.42 | 2.34E-03 | DLGAP1(dist=456883), C18orf42(dist=231523) | intergenic |
| 15 | 61073802 | C | G | rs17270446 | 9.95E-01 | 0.113 | 0.101 | 1.14 | 0.93 - 1.39 | 1.55E-05 | 0.143 | 0.116 | 1.27 | 1.07 - 1.51 | 1.26 | 2.35E-03 | RORA | intronic |
| 8 | 128411944 | T | C | rs73706714 | 7.33E-01 | 0.088 | 0.093 | 0.94 | 0.75 - 1.16 | 5.78E-05 | 0.054 | 0.083 | 0.63 | 0.49 - 0.8 | 0.78 | 2.36E-03 | CASC8 | ncRNA_intronic |
| 8 | 128414486 | T | G | rs73706718 | 7.34E-01 | 0.087 | 0.093 | 0.93 | 0.75 - 1.16 | 5.86E-05 | 0.054 | 0.083 | 0.62 | 0.48 - 0.8 | 0.78 | 2.36E-03 | CASC8 | ncRNA_intronic |
| 8 | 128411855 | A | G | rs73706713 | 7.33E-01 | 0.088 | 0.093 | 0.94 | 0.75 - 1.16 | 5.81E-05 | 0.054 | 0.083 | 0.63 | 0.49 - 0.81 | 0.78 | 2.36E-03 | CASC8 | ncRNA_intronic |
| 8 | 5906722 | G | A | rs74354544 | 5.48E-05 | 0.063 | 0.033 | 2.00 | 1.5 - 2.67 | 5.42E-01 | 0.050 | 0.054 | 0.92 | 0.7 - 1.2 | 1.43 | 2.37E-03 | CSMD1(dist=1054394), LOC100287015(dist=354355) | intergenic |
| 8 | 29188937 | G | A | rs7812684 | 7.58E-01 | 0.130 | 0.131 | 0.99 | 0.82 - 1.19 | 2.92E-05 | 0.132 | 0.097 | 1.43 | 1.19 - 1.7 | 1.27 | 2.37E-03 | KIF13B(dist=68327), DUSP4(dist=1642) | intergenic |
| 5 | 31774207 | G | A | rs73058460 | 4.64E-05 | 0.027 | 0.054 | 0.49 | 0.35 - 0.69 | 7.76E-01 | 0.043 | 0.043 | 1.02 | 0.76 - 1.35 | 0.69 | 2.38E-03 | C5orf22(dist=219042), PDZD2(dist=24824) | intergenic |
| 3 | 197673063 | C | T | rs148440303 | 8.75E-01 | 0.034 | 0.034 | 0.99 | 0.7 - 1.39 | 3.60E-05 | 0.048 | 0.029 | 1.68 | 1.26 - 2.24 | 1.57 | 2.39E-03 | IQCC | intronic |
| 7 | 150986560 | A | T | rs10234101 | 4.83E-05 | 0.167 | 0.134 | 1.30 | 1.09 - 1.54 | 8.56E-01 | 0.134 | 0.127 | 1.07 | 0.9 - 1.27 | 1.26 | 2.39E-03 | SMARCD3(dist=12329), NUB1(dist=52287) | intergenic |
| 3 | 57072645 | T | A | rs115864725 | 4.10E-06 | 0.069 | 0.043 | 1.63 | 1.25 - 2.12 | 7.39E-01 | 0.048 | 0.047 | 1.02 | 0.77 - 1.34 | 1.41 | 2.39E-03 | ARHGFE3 | intronic |
| 8 | 61521867 | A | G | rs610455 | 6.29E-05 | 0.182 | 0.233 | 0.73 | 0.62 - 0.85 | 6.58E-01 | 0.207 | 0.213 | 0.97 | 0.84 - 1.12 | 0.84 | 2.40E-03 | RAB2A | intronic |
| 1 | 56872357 | C | T | rs2991265 | 8.98E-01 | 0.367 | 0.362 | 1.02 | 0.9 - 1.16 | 1.47E-05 | 0.428 | 0.376 | 1.24 | 1.1 - 1.4 | 1.16 | 2.43E-03 | MIR4422(dist=1180961), PPAP2B(dist=88062) | intergenic |
| 13 | 100447200 | G | A | rs9582345 | 8.66E-01 | 0.403 | 0.418 | 1.07 | 0.94 - 1.21 | 3.30E-05 | 0.355 | 0.400 | 1.21 | 1.07 - 1.37 | 1.16 | 2.44E-03 | LOC101927437 | ncRNA_intronic |
| 8 | 128415313 | A | G | rs6993583 | 7.32E-01 | 0.087 | 0.093 | 0.93 | 0.75 - 1.16 | 6.40E-05 | 0.054 | 0.083 | 0.62 | 0.49 - 0.8 | 0.78 | 2.45E-03 | CASC8 | ncRNA_intronic |
| 20 | 55447299 | T | C | rs4811771 | 6.84E-01 | 0.449 | 0.441 | 0.97 | 0.85 - 1.1 | 5.43E-05 | 0.515 | 0.479 | 0.86 | 0.77 - 0.97 | 0.83 | 2.45E-03 | TFAP2C(dist=232961), BMP7(dist=296510) | intergenic |
| 6 | 9775448 | T | C | rs142815497 | 4.74E-05 | 0.064 | 0.043 | 1.53 | 1.17 - 2.01 | 9.99E-01 | 0.046 | 0.044 | 1.05 | 0.79 - 1.39 | 1.52 | 2.47E-03 | LOC100506207(dist=989770), TFAP2A(dist=621468) | intergenic |
| 8 | 128410814 | G | A | rs73706712 | 7.37E-01 | 0.088 | 0.094 | 0.94 | 0.75 - 1.16 | 6.14E-05 | 0.054 | 0.083 | 0.63 | 0.49 - 0.81 | 0.78 | 2.49E-03 | CASC8 | ncRNA_intronic |
| 9 | 36126139 | G | A | rs57312897 | 4.68E-06 | 0.088 | 0.056 | 1.63 | 1.29 - 2.07 | 9.79E-01 | 0.065 | 0.061 | 1.07 | 0.84 - 1.36 | 1.33 | 2.49E-03 | RECK(dist=1687), GLIPR2(dist=10394) | intergenic |
| 11 | 95994921 | G | T | rs114422211 | 1.44E-05 | 0.044 | 0.025 | 1.78 | 1.27 - 2.49 | 6.37E-01 | 0.021 | 0.022 | 0.98 | 0.65 - 1.46 | 1.65 | 2.50E-03 | MAML2 | intronic |
| 14 | 76929557 | T | G | rs57238463 | 1.56E-05 | 0.089 | 0.057 | 1.61 | 1.27 - 2.04 | 9.74E-01 | 0.068 | 0.068 | 1.01 | 0.8 - 1.27 | 1.35 | 2.52E-03 | ESRRB | intronic |
| 7 | 3327994 | G | C | rs1473658 | 8.10E-01 | 0.329 | 0.327 | 1.01 | 0.88 - 1.15 | 5.53E-05 | 0.388 | 0.330 | 1.29 | 1.14 - 1.45 | 1.15 | 2.56E-03 | LOC100129603(dist=129788), SDK1(dist=13086) | intergenic |
| 12 | 11398093 | A | T | rs55982477 | 2.54E-05 | 0.069 | 0.039 | 1.85 | 1.41 - 2.42 | 7.68E-01 | 0.054 | 0.057 | 0.96 | 0.74 - 1.24 | 1.39 | 2.59E-03 | TAS2R42(dist=58550), PRB3(dist=20754) | intergenic |
| 8 | 128410060 | T | G | rs73706711 | 7.41E-01 | 0.088 | 0.094 | 0.94 | 0.76 - 1.16 | 6.47E-05 | 0.054 | 0.083 | 0.63 | 0.49 - 0.81 | 0.78 | 2.60E-03 | CASC8 | ncRNA_intronic |
| 10 | 34408467 | G | A | rs12264982 | 1.41E-05 | 0.225 | 0.298 | 0.68 | 0.59 - 0.79 | 7.17E-01 | 0.241 | 0.236 | 1.03 | 0.89 - 1.18 | 0.84 | 2.62E-03 | PARD3 | intronic |
| 19 | 36652198 | T | C | rs114667815 | 8.37E-01 | 0.145 | 0.151 | 0.95 | 0.8 - 1.13 | 4.80E-05 | 0.166 | 0.126 | 1.38 | 1.18 - 1.63 | 1.27 | 2.64E-03 | COX7A1(dist=8427), ZNF565(dist=20764) | intergenic |
| 6 | 167213934 | A | G | rs4710104 | 3.16E-05 | 0.083 | 0.128 | 0.62 | 0.5 - 0.77 | 9.17E-01 | 0.106 | 0.103 | 1.03 | 0.85 - 1.25 | 0.80 | 2.65E-03 | RPS6KA2 | intronic |
| 18 | 27098396 | C | A | rs138129352 | 9.03E-01 | 0.030 | 0.033 | 0.93 | 0.65 - 1.33 | 2.09E-06 | 0.040 | 0.021 | 1.99 | 1.44 - 2.75 | 1.58 | 2.65E-03 | CDH2(dist=1340951), MIR302F(dist=780480) | intergenic |
| 8 | 38817163 | T | A | rs73674664 | 7.28E-01 | 0.071 | 0.078 | 0.89 | 0.71 - 1.14 | 4.40E-06 | 0.108 | 0.069 | 1.63 | 1.34 - 1.98 | 1.31 | 2.66E-03 | PLEKHA2 | intronic |
| 3 | 143060882 | A | G | rs116732809 | 6.29E-01 | 0.027 | 0.027 | 1.04 | 0.71 - 1.52 | 4.37E-05 | 0.035 | 0.020 | 1.78 | 1.27 - 2.49 | 1.61 | 2.67E-03 | SLC9A9 | intronic |
| 5 | 117735755 | C | A | rs80144360 | 8.51E-01 | 0.058 | 0.062 | 0.92 | 0.71 - 1.2 | 7.09E-06 | 0.087 | 0.054 | 1.67 | 1.34 - 2.07 | 1.36 | 2.68E-03 | LOC101927280 | ncRNA_intronic |
| 17 | 48330522 | G | A | rs55678318 | 5.11E-05 | 0.098 | 0.057 | 1.78 | 1.41 - 2.23 | 7.70E-01 | 0.109 | 0.117 | 0.93 | 0.77 - 1.12 | 1.31 | 2.70E-03 | LOC101927230(dist=37741), TMEM92(dist=18245) | intergenic |
| 8 | 127606044 | C | G | rs12544179 | 9.10E-01 | 0.101 | 0.086 | 1.19 | 0.97 - 1.47 | 3.80E-06 | 0.170 | 0.148 | 1.17 | 1 - 1.37 | 1.30 | 2.72E-03 | FAM84B(dist=35333), PCAT1(dist=419355) | intergenic |
| 6 | 4975973 | T | C | rs11751420 | 1.20E-05 | 0.092 | 0.054 | 1.78 | 1.41 - 2.25 | 9.90E-01 | 0.076 | 0.078 | 0.96 | 0.77 - 1.2 | 1.32 | 2.74E-03 | CDDL1(dist=20195), RPP40(dist=19307) | intergenic |
| 19 | 11628467 | G | A | rs6511735 | 4.94E-05 | 0.383 | 0.415 | 1.14 | 1.01 - 1.3 | 6.85E-01 | 0.433 | 0.462 | 1.12 | 1 - 1.26 | 1.16 | 2.75E-03 | ECSIT | intronic |
| 8 | 18429704 | A | G | rs77512358 | 9.42E-01 | 0.025 | 0.026 | 0.95 | 0.64 - 1.41 | 3.70E-05 | 0.044 | 0.023 | 1.97 | 1.44 - 2.67 | 1.56 | 2.75E-03 | PSD3 | intronic |
| 8 | 38820108 | A | G | rs73674666 | 9.20E-01 | 0.079 | 0.086 | 0.92 | 0.74 - 1.16 | 1.55E-05 | 0.116 | 0.077 | 1.56 | 1.29 - 1.89 | 1.30 | 2.75E-03 | PLEKHA2 | intronic |
| 6 | 4975191 | C | A | rs9504298 | 1.26E-05 | 0.091 | 0.053 | 1.78 | 1.41 - 2.25 | 9.83E-01 | 0.075 | 0.078 | 0.97 | 0.77 - 1.2 | 1.32 | 2.78E-03 | CDDL1(dist=19413), RPP40(dist=20089) | intergenic |
| 3 | 30197425 | T | C | rs7649408 | 9.81E-01 | 0.024 | 0.026 | 0.92 | 0.62 - 1.37 | 3.74E-05 | 0.049 | 0.028 | 1.78 | 1.33 - 2.37 | 1.53 | 2.79E-03 | RBMS3(dist=145539), TGFB2(dist=450569) | intergenic |
| 2 | 224788479 | A | G | rs188427327 | 6.17E-05 | 0.055 | 0.032 | 1.74 | 1.29 - 2.35 | 9.65E-01 | 0.038 | 0.036 | 1.07 | 0.78 - 1.45 | 1.47 | 2.81E-03 | WDFY1 | intronic |
| 8 | 61407796 | A | G | rs10957138 | 5.79E-05 | 0.185 | 0.236 | 0.73 | 0.63 - 0.86 | 6.74E-01 | 0.216 | 0.222 | 0.96 | 0.84 - 1.11 | 0.85 | 2.82E-03 | LINC01301(dist=81419), RAB2A(dist=21673) | intergenic |
| 10 | 124909482 | C | G | rs145218772 | 1.06E-06 | 0.055 | 0.033 | 1.69 | 1.26 - 2.28 | 8.06E-01 | 0.029 | 0.029 | 1.02 | 0.72 - 1.44 | 1.58 | 2.82E-03 | HMX2 | exonic |
| 2 | 203484624 | | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 14 | 30714609 | A | G | rs75297083 | 8.30E-01 | 0.026 | 0.028 | 0.91 | 0.62 | -1.34 | 3.37E-05 | 0.009 | 0.026 | 0.35 | 0.19 | -0.62 | 0.65 | 2.83E-03 | PRKD1(dist=317710), G2E3(dist=313720) | intergenic |
| 14 | 30728407 | C | T | rs114798264 | 8.20E-01 | 0.026 | 0.029 | 0.91 | 0.62 | -1.34 | 3.36E-05 | 0.009 | 0.025 | 0.35 | 0.19 | -0.62 | 0.65 | 2.84E-03 | PRKD1(dist=331508), G2E3(dist=299922) | intergenic |
| 14 | 30729067 | C | A | rs10142631 | 8.18E-01 | 0.026 | 0.029 | 0.91 | 0.62 | -1.34 | 3.38E-05 | 0.009 | 0.025 | 0.35 | 0.19 | -0.62 | 0.65 | 2.84E-03 | PRKD1(dist=332168), G2E3(dist=299262) | intergenic |
| 8 | 117954279 | A | G | rs147650186 | 7.69E-06 | 0.047 | 0.025 | 1.92 | 1.38 | -2.67 | 8.62E-01 | 0.028 | 0.027 | 1.03 | 0.72 | -1.48 | 1.54 | 2.84E-03 | AARD | intronic |
| 14 | 30728046 | A | G | rs116173027 | 8.20E-01 | 0.026 | 0.029 | 0.91 | 0.62 | -1.34 | 3.37E-05 | 0.009 | 0.025 | 0.35 | 0.19 | -0.62 | 0.65 | 2.84E-03 | PRKD1(dist=331147), G2E3(dist=300283) | intergenic |
| 8 | 29191224 | T | G | rs10100467 | 7.01E-01 | 0.133 | 0.123 | 1.00 | 0.83 | -1.2 | 2.86E-05 | 0.132 | 0.097 | 1.43 | 1.19 | -1.7 | 1.25 | 2.86E-03 | DUSP4 | UTR3 |
| 14 | 30719964 | G | A | rs115604555 | 8.33E-01 | 0.026 | 0.029 | 0.92 | 0.62 | -1.34 | 3.27E-05 | 0.009 | 0.026 | 0.35 | 0.2 | -0.62 | 0.65 | 2.86E-03 | PRKD1(dist=323065), G2E3(dist=308365) | intergenic |
| 14 | 30726501 | G | T | rs10133400 | 8.24E-01 | 0.026 | 0.029 | 0.91 | 0.62 | -1.34 | 3.36E-05 | 0.009 | 0.025 | 0.35 | 0.19 | -0.62 | 0.65 | 2.86E-03 | PRKD1(dist=329602), G2E3(dist=301828) | intergenic |
| 14 | 30725438 | G | A | rs28771167 | 8.25E-01 | 0.026 | 0.029 | 0.91 | 0.62 | -1.34 | 3.37E-05 | 0.009 | 0.025 | 0.35 | 0.19 | -0.62 | 0.65 | 2.87E-03 | PRKD1(dist=328539), G2E3(dist=302891) | intergenic |
| 9 | 36129608 | G | A | rs111599955 | 8.07E-06 | 0.109 | 0.075 | 1.51 | 1.22 | -1.86 | 9.77E-01 | 0.088 | 0.083 | 1.07 | 0.87 | -1.31 | 1.28 | 2.88E-03 | RECK(dist=5156), GLIPR2(dist=6925) | intergenic |
| 8 | 29190157 | C | A | rs115432029 | 7.02E-01 | 0.133 | 0.133 | 1.00 | 0.83 | -1.2 | 2.86E-05 | 0.132 | 0.097 | 1.43 | 1.19 | -1.7 | 1.25 | 2.89E-03 | DUSP4 | downstream |
| 18 | 4845506 | A | G | rs4239324 | 7.28E-01 | 0.117 | 0.118 | 1.01 | 0.83 | -1.22 | 3.24E-05 | 0.141 | 0.105 | 0.71 | 0.6 | -0.84 | 0.80 | 2.90E-03 | DLGAP1(dist=390240), C18orf42(dist=298166) | intergenic |
| 14 | 26621962 | G | A | rs17568297 | 9.03E-01 | 0.126 | 0.123 | 1.03 | 0.85 | -1.24 | 6.42E-05 | 0.161 | 0.126 | 1.34 | 1.14 | -1.57 | 1.23 | 2.90E-03 | STXBP6(dist=1102459), NOVA1(dist=293127) | intergenic |
| 8 | 29189976 | A | C | rs147902826 | 7.03E-01 | 0.133 | 0.133 | 1.00 | 0.83 | -1.2 | 2.87E-05 | 0.132 | 0.097 | 1.43 | 1.19 | -1.7 | 1.25 | 2.91E-03 | DUSP4 | downstream |
| 14 | 30721383 | T | C | rs28753678 | 8.32E-01 | 0.026 | 0.029 | 0.91 | 0.62 | -1.34 | 3.38E-05 | 0.009 | 0.025 | 0.35 | 0.19 | -0.62 | 0.65 | 2.91E-03 | PRKD1(dist=324484), G2E3(dist=306946) | intergenic |
| 14 | 30721097 | T | C | rs10151742 | 8.33E-01 | 0.026 | 0.029 | 0.92 | 0.62 | -1.34 | 3.37E-05 | 0.009 | 0.025 | 0.35 | 0.19 | -0.62 | 0.65 | 2.91E-03 | PRKD1(dist=324198), G2E3(dist=307232) | intergenic |
| 2 | 176951393 | A | G | rs11888176 | 5.73E-01 | 0.038 | 0.036 | 1.07 | 0.77 | -1.48 | 6.44E-05 | 0.041 | 0.023 | 1.84 | 1.34 | -2.52 | 1.52 | 2.92E-03 | EVX2(dist=2703), HOXD13(dist=6139) | intergenic |
| 8 | 61397865 | T | A | rs7842105 | 5.14E-05 | 0.185 | 0.237 | 0.73 | 0.63 | -0.85 | 7.05E-01 | 0.217 | 0.223 | 0.97 | 0.84 | -1.11 | 0.85 | 2.94E-03 | LINC01301(dist=71488), RAB2A(dist=31604) | intergenic |
| 14 | 105005057 | A | G | rs7150832 | 8.77E-01 | 0.466 | 0.476 | 0.96 | 0.85 | -1.09 | 3.39E-05 | 0.527 | 0.466 | 1.27 | 1.13 | -1.43 | 1.17 | 2.94E-03 | KIF26A(dist=357822), C14orf180(dist=40964) | intergenic |
| 8 | 6790113 | G | A | rs72494229 | 1.75E-05 | 0.062 | 0.034 | 1.90 | 1.42 | -2.53 | 9.88E-01 | 0.045 | 0.051 | 0.88 | 0.67 | -1.17 | 1.49 | 2.95E-03 | DEFA6(dist=6515), DEFA4(dist=3229) | intergenic |
| 2 | 58674393 | C | A | rs7558293 | 4.32E-05 | 0.216 | 0.260 | 1.28 | 1.1 | -1.48 | 7.70E-01 | 0.271 | 0.286 | 1.08 | 0.95 | -1.23 | 1.17 | 2.96E-03 | FANCL(dist=205878), LINC01122(dist=73495) | intergenic |
| 1 | 21793378 | T | C | rs60515836 | 6.19E-01 | 0.055 | 0.046 | 1.21 | 0.91 | -1.6 | 6.29E-05 | 0.065 | 0.051 | 1.29 | 1.01 | -1.64 | 1.47 | 2.97E-03 | NBPF3 | intronic |
| 3 | 30106824 | T | C | rs6771356 | 8.18E-01 | 0.023 | 0.026 | 0.88 | 0.58 | -1.31 | 1.45E-05 | 0.041 | 0.022 | 1.88 | 1.37 | -2.58 | 1.62 | 2.98E-03 | RBMS3(dist=54938), TGFBR2(dist=541170) | intergenic |
| 19 | 16084711 | C | T | rs73509813 | 2.26E-05 | 0.300 | 0.247 | 1.31 | 1.14 | -1.51 | 7.91E-01 | 0.235 | 0.228 | 1.04 | 0.91 | -1.2 | 1.18 | 2.99E-03 | OR10H4(dist=23943), LINC00661(dist=41733) | intergenic |
| 19 | 16082374 | T | C | rs73509805 | 2.37E-05 | 0.300 | 0.247 | 1.31 | 1.14 | -1.5 | 8.15E-01 | 0.236 | 0.228 | 1.04 | 0.91 | -1.2 | 1.19 | 2.99E-03 | OR10H4(dist=21606), LINC00661(dist=44070) | intergenic |
| 19 | 50308893 | T | C | rs8101959 | 9.98E-01 | 0.423 | 0.420 | 1.01 | 0.89 | -1.15 | 3.40E-05 | 0.456 | 0.402 | 1.24 | 1.11 | -1.4 | 1.15 | 3.00E-03 | AP2A1 | intronic |
| 3 | 64058240 | A | G | rs6797912 | 7.58E-01 | 0.195 | 0.202 | 1.04 | 0.89 | -1.22 | 6.25E-06 | 0.235 | 0.186 | 0.74 | 0.65 | -0.86 | 0.84 | 3.01E-03 | PRICKLE2-AS1 | ncRNA_intronic |
| 7 | 65256634 | C | T | rs1967493 | 2.83E-05 | 0.235 | 0.285 | 1.30 | 1.13 | -1.5 | 9.26E-01 | 0.277 | 0.275 | 0.99 | 0.87 | -1.13 | 1.22 | 3.01E-03 | LOC441242(dist=20837), VKORC1L1(dist=81623) | intergenic |
| 4 | 122565372 | C | A | rs13131447 | 9.38E-01 | 0.254 | 0.250 | 1.02 | 0.88 | -1.17 | 2.53E-05 | 0.219 | 0.275 | 0.74 | 0.64 | -0.85 | 0.85 | 3.01E-03 | QRFPR(dist=263191), ANXA5(dist=23780) | intergenic |
| 15 | 61076219 | C | T | rs2899662 | 9.84E-01 | 0.114 | 0.102 | 1.14 | 0.94 | -1.39 | 2.42E-05 | 0.142 | 0.114 | 1.28 | 1.08 | -1.52 | 1.25 | 3.02E-03 | RORA | intronic |
| 3 | 143090944 | G | C | rs115160850 | 9.79E-01 | 0.069 | 0.072 | 0.96 | 0.75 | -1.22 | 1.02E-05 | 0.087 | 0.057 | 1.57 | 1.26 | -1.94 | 1.32 | 3.04E-03 | SLC9A9 | intronic |
| 3 | 175256900 | G | A | rs56100104 | 1.43E-05 | 0.066 | 0.037 | 1.84 | 1.4 | -2.44 | 8.71E-01 | 0.050 | 0.053 | 0.93 | 0.71 | -1.22 | 1.47 | 3.04E-03 | NAALADL2 | intronic |
| 3 | 64013417 | G | A | rs35839 | 5.99E-01 | 0.244 | 0.257 | 0.93 | 0.81 | -1.08 | 3.96E-06 | 0.287 | 0.228 | 1.36 | 1.19 | -1.55 | 1.17 | 3.04E-03 | PSMD6(dist=3731), PRICKLE2-AS1(dist=40223) | intergenic |
| 8 | 127604304 | G | C | rs11776332 | 8.89E-01 | 0.101 | 0.086 | 1.19 | 0.97 | -1.47 | 4.24E-06 | 0.169 | 0.148 | 1.17 | 1 | -1.37 | 1.30 | 3.05E-03 | FAM84B(dist=33593), PCAT1(dist=421095) | intergenic |
| 2 | 103304862 | C | T | rs77919130 | 9.48E-01 | 0.053 | 0.054 | 0.97 | 0.73 | -1.27 | 1.40E-05 | 0.067 | 0.044 | 1.57 | 1.23 | -2 | 1.50 | 3.06E-03 | SLC9A2 | intronic |
| 16 | 51125028 | A | T | rs139541105 | 8.41E-01 | 0.034 | 0.031 | 1.12 | 0.79 | -1.58 | 2.79E-05 | 0.042 | 0.026 | 1.61 | 1.18 | -2.18 | 1.60 | 3.06E-03 | LOC101927334(dist=55340), SALL1(dist=44858) | intergenic |
| 6 | 96853967 | C | T | rs4839827 | 8.86E-01 | 0.408 | 0.406 | 1.01 | 0.89 | -1.15 | 2.66E-05 | 0.437 | 0.391 | 1.21 | 1.08 | -1.36 | 1.16 | 3.07E-03 | FUT9(dist=190479), UFL1(dist=115735) | intergenic |
| 1 | 18274304 | G | A | rs10127575 | 6.41E-01 | 0.171 | 0.167 | 1.03 | 0.87 | -1.21 | 3.96E-05 | 0.227 | 0.188 | 1.27 | 1.1 | -1.46 | 1.21 | 3.07E-03 | ACTL8(dist=120746), LOC101927876(dist=117847) | intergenic |
| 1 | 204714405 | C | A | rs112328122 | 7.58E-01 | 0.178 | 0.180 | 0.99 | 0.84 | -1.16 | 4.26E-05 | 0.217 | 0.164 | 1.41 | 1.22 | -1.63 | 1.20 | 3.11E-03 | LRRN2(dist=59808), NFASC(dist=83377) | intergenic |
| 14 | 90906217 | T | C | rs78480100 | 3.84E-05 | 0.077 | 0.116 | 0.64 | 0.51 | -0.79 | 7.32E-01 | 0.107 | 0.105 | 1.02 | 0.84 | -1.23 | 0.79 | 3.12E-03 | CALM1(dist=31598), LINC00642(dist=15357) | intergenic |
| 6 | 31893944 | G | A | rs2734335 | 9.01E-01 | 0.463 | 0.466 | 1.01 | 0.89 | -1.15 | 5.88E-05 | 0.418 | 0.481 | 1.29 | 1.15 | -1.45 | 1.14 | 3.14E-03 | C2 | intronic |
| 4 | 92508896 | G | T | rs28671494 | 9.95E-01 | 0.118 | 0.119 | 0.99 | 0.82 | -1.2 | 4.65E-05 | 0.151 | 0.106 | 1.51 | 1.27 | -1.78 | 1.22 | 3.14E-03 | CCSER1 | intronic |
| 14 | 56423536 | T | C | rs1188151 | 7.16E-01 | 0.403 | 0.402 | 1.00 | 0.88 | -1.13 | 1.50E-05 | 0.454 | 0.398 | 0.80 | 0.71 | -0.89 | 0.87 | 3.15E-03 | LINC00520(dist=160144), PELI2(dist=161557) | intergenic |
| 14 | 30735614 | C | G | rs10145397 | 8.77E-01 | 0.022 | 0.025 | 0.91 | 0.6 | -1.37 | 3.97E-05 | 0.007 | 0.022 | 0.32 | 0.17 | -0.61 | 0.62 | 3.15E-03 | PRKD1(dist=338715), G2E3(dist=292715) | intergenic |
| 4 | 92506460 | A | T | rs7671479 | 9.96E-01 | 0.118 | 0.119 | 0.99 | 0.82 | -1.2 | 4.70E-05 | 0.151 | 0.106 | 1.51 | 1.27 | -1.78 | 1.22 | 3.16E-03 | CCSER1 | intronic |
| 10 | 15447606 | C | T | rs7908259 | 9.90E-01 | 0.070 | 0.066 | 1.06 | 0.83 | -1.36 | 6.02E-05 | 0.090 | 0.063 | 1.46 | 1.18 | -1.8 | 1.31 | 3.16E-03 | FAM171A1(dist=34548), ITGA8(dist=108342) | intergenic |
| 7 | 113541607 | T | C | rs12673425 | 8.64E-01 | 0.361 | 0.367 | 0.97 | 0.86 | -1.11 | 1.29E-05 | 0.309 | 0.357 | 0.80 | 0.71 | -0.91 | 0.87 | 3.17E-03 | PPP1R3A | intronic |
| 1 | 221215212 | C | T | rs12072517 | 7.19E-01 | 0.187 | 0.189 | 0.99 | 0.84 | -1.16 | 6.22E-05 | 0.219 | 0.168 | 1.39 | 1.2 | -1.6 | 1.20 | 3.17E-03 | HLX(dist=156812), C1orf140(dist=288058) | intergenic |
| 4 | 3276491 | C | T | rs10937921 | 9.93E-01 | 0.471 | 0.470 | 1.00 | 0.88 | -1.13 | 5.57E-05 | 0.517 | 0.453 | 1.30 | 1.15 | -1.46 | 1.15 | 3.18E-03 | MSANTD1(dist=18149), RGS12(dist=39383) | intergenic |
| 6 | 114356044 | A | C | rs4438988 | 9.88E-01 | 0.263 | 0.252 | 1.06 | 0.92 | -1.22 | 2.94E-05 | 0.210 | 0.276 | 0.70 | 0.61 | -0.81 | 0.85 | 3.21E-03 | LOC101927768 | ncRNA_intronic |
| 1 | 177606246 | G | A | rs143748467 | 3.46E-01 | 0.043 | 0.039 | 1.11 | 0.81 | -1.51 | 6.29E-05 | 0.038 | 0.022 | 1.71 | 1.24 | -2.37 | 1.57 | 3.22E-03 | LOC102724661(dist=270652), LOC101928778(dist=63413) | intergenic |
| 12 | 43024542 | C | T | rs146105541 | 9.05E-01 | 0.033 | 0.034 | 0.96 | 0.68 | -1.35 | 5.94E-05 | 0.050 | 0.029 | 1.80 | 1.36 | -2.4 | 1.49 | 3.23E-03 | LOC101927058 | ncRNA_intronic |
| 11 | 10859258 | C | G | rs2687486 | 8.45E-01 | 0.395 | 0.390 | 0.98 | 0.86 | -1.11 | 1.59E-05 | 0.455 | 0.407 | 0.82 | 0.73 | -0.92 | 0.87 | 3.27E-03 | LOC101928053(dist=14780), ZBED5(dist=14993) | intergenic |
| 2 | 47051551 | G | A | rs1374273 | 8.44E-01 | 0.163 | 0.149 | 0.90 | 0.76 | -1.07 | 5.44E-05 | 0.224 | 0.195 | 0.84 | 0.73 | -0.97 | 0.82 | 3.29E-03 | LINC01118(dist=1752), LINC01119(dist=3452) | intergenic |
| 8 | 33901522 | C | T | rs150724154 | 9.37E-01 | 0.046 | 0.049 | 0.95 | 0.71 | -1.27 | 5.60E-05 | 0.069 | 0.045 | 1.59 | 1.25 | -2.03 | 1.41 | 3.33E-03 | DUSP26(dist=443898), LINC01288(dist=739917) | intergenic |
| 18 | 72905053 | T | C | rs115979417 | 3.45E-05 | 0.063 | 0.039 | 1.66 | 1.26 | -2.19 | 7.97E-01 | 0.033 | 0.033 | 1.00 | 0.72 | -1.38 | 1.42 | 3.34E-03 | ZNF407(dist=127425), ZADH2(dist=4225) | |

| | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------|----------|-------|-------|------|-------------|----------|-------|-------|------|-------------|------|----------|---|----------------|
| 12 | 12256375 | G | A | rs2416991 | 5.59E-01 | 0.296 | 0.284 | 0.94 | 0.82 - 1.08 | 1.58E-05 | 0.251 | 0.317 | 1.38 | 1.21 - 1.58 | 1.17 | 3.46E-03 | BCL2L14(dist=3748), MIR1244-4(dist=8511) | intergenic |
| 11 | 18549962 | A | C | rs113933142 | 8.17E-01 | 0.069 | 0.069 | 0.99 | 0.77 - 1.26 | 6.56E-06 | 0.091 | 0.067 | 1.40 | 1.13 - 1.72 | 1.37 | 3.47E-03 | TSG101(dist=1459), UEVLD(dist=2988) | intergenic |
| 11 | 39330215 | C | T | rs114385105 | 8.90E-06 | 0.120 | 0.087 | 1.43 | 1.17 - 1.74 | 7.83E-01 | 0.088 | 0.086 | 1.04 | 0.84 - 1.27 | 1.28 | 3.48E-03 | LINC01493(dist=653416), LRRC4C(dist=805536) | intergenic |
| 3 | 30122636 | A | C | rs114186356 | 6.73E-01 | 0.022 | 0.026 | 0.84 | 0.56 - 1.28 | 1.08E-05 | 0.043 | 0.022 | 1.96 | 1.43 - 2.68 | 1.56 | 3.48E-03 | RBMS3(dist=70750), TGFBR2(dist=525358) | intergenic |
| 6 | 141670954 | A | G | rs139242702 | 9.64E-01 | 0.021 | 0.022 | 0.94 | 0.61 - 1.44 | 2.03E-05 | 0.036 | 0.020 | 1.82 | 1.3 - 2.55 | 1.69 | 3.48E-03 | MIR4465(dist=665934), NMBR(dist=725791) | intergenic |
| 18 | 72912486 | A | G | rs74389878 | 3.45E-05 | 0.062 | 0.039 | 1.64 | 1.24 - 2.17 | 8.06E-01 | 0.033 | 0.033 | 1.00 | 0.72 - 1.39 | 1.43 | 3.48E-03 | ZADH2(NM_175907:c.*885T>C) | UTR3 |
| 9 | 117101725 | G | C | rs16928312 | 7.32E-01 | 0.120 | 0.129 | 0.92 | 0.76 - 1.11 | 1.20E-05 | 0.153 | 0.107 | 1.51 | 1.28 - 1.79 | 1.22 | 3.49E-03 | AKNA | intronic |
| 2 | 32842310 | T | A | rs150508699 | 7.83E-06 | 0.043 | 0.024 | 1.83 | 1.3 - 2.57 | 5.68E-01 | 0.023 | 0.025 | 0.95 | 0.65 - 1.4 | 1.61 | 3.49E-03 | BIRC6 | intronic |
| 3 | 30119674 | G | A | rs9828977 | 6.88E-01 | 0.023 | 0.027 | 0.84 | 0.57 - 1.26 | 1.30E-05 | 0.042 | 0.022 | 1.94 | 1.42 - 2.66 | 1.57 | 3.49E-03 | RBMS3(dist=67788), TGFBR2(dist=528320) | intergenic |
| 5 | 115108975 | G | A | rs76620366 | 7.51E-01 | 0.025 | 0.024 | 1.04 | 0.7 - 1.56 | 3.81E-05 | 0.039 | 0.023 | 1.74 | 1.27 - 2.4 | 1.69 | 3.49E-03 | LOC102467217(dist=100626), CDO1(dist=31455) | intergenic |
| 3 | 59866834 | A | G | rs17061321 | 6.30E-05 | 0.249 | 0.212 | 1.23 | 1.07 - 1.43 | 8.44E-01 | 0.221 | 0.210 | 1.06 | 0.92 - 1.23 | 1.17 | 3.50E-03 | FHIT | intronic |
| 8 | 124968132 | G | A | rs59703590 | 9.94E-01 | 0.182 | 0.191 | 0.94 | 0.8 - 1.1 | 3.57E-05 | 0.138 | 0.171 | 0.77 | 0.66 - 0.92 | 0.83 | 3.52E-03 | FER1L6 | intronic |
| 12 | 44239566 | G | C | rs114261864 | 6.27E-01 | 0.022 | 0.026 | 0.85 | 0.57 - 1.29 | 4.71E-05 | 0.059 | 0.035 | 1.74 | 1.33 - 2.26 | 1.49 | 3.54E-03 | TMEM117 | intronic |
| 15 | 75330095 | G | T | rs77456790 | 7.52E-01 | 0.058 | 0.053 | 1.10 | 0.84 - 1.43 | 5.97E-05 | 0.071 | 0.051 | 1.41 | 1.11 - 1.78 | 1.43 | 3.60E-03 | PPCDC | intronic |
| 7 | 70752158 | C | T | rs112001511 | 5.04E-05 | 0.010 | 0.030 | 0.31 | 0.18 - 0.55 | 9.33E-01 | 0.021 | 0.021 | 1.01 | 0.67 - 1.52 | 0.63 | 3.60E-03 | WBSCR17 | intronic |
| 18 | 72897271 | C | T | rs146531426 | 3.99E-05 | 0.063 | 0.039 | 1.66 | 1.26 - 2.19 | 7.86E-01 | 0.033 | 0.034 | 1.00 | 0.72 - 1.38 | 1.41 | 3.62E-03 | ZNF407(dist=119643), ZADH2(dist=12007) | intergenic |
| 10 | 15436365 | T | C | rs11594333 | 8.42E-01 | 0.078 | 0.074 | 1.06 | 0.84 - 1.34 | 2.04E-05 | 0.103 | 0.076 | 1.39 | 1.14 - 1.69 | 1.30 | 3.63E-03 | FAM171A1(dist=23307), ITGA8(dist=119583) | intergenic |
| 18 | 4848173 | A | G | rs6506254 | 9.30E-01 | 0.114 | 0.118 | 1.04 | 0.85 - 1.26 | 1.32E-05 | 0.141 | 0.103 | 0.70 | 0.59 - 0.83 | 0.80 | 3.63E-03 | DLGAP1(dist=392907), C18orf42(dist=295499) | intergenic |
| 14 | 62724232 | T | C | rs11158379 | 9.53E-01 | 0.302 | 0.310 | 1.04 | 0.91 - 1.19 | 3.41E-05 | 0.343 | 0.285 | 0.76 | 0.67 - 0.86 | 0.86 | 3.64E-03 | LINC00644(dist=117541), KCNH5(dist=449059) | intergenic |
| 16 | 70689249 | C | T | rs146437870 | 6.97E-01 | 0.036 | 0.036 | 1.00 | 0.72 - 1.4 | 5.04E-05 | 0.049 | 0.031 | 1.64 | 1.23 - 2.17 | 1.53 | 3.64E-03 | IL34 | intronic |
| 9 | 36095673 | C | T | rs111566538 | 1.25E-05 | 0.086 | 0.056 | 1.60 | 1.26 - 2.02 | 9.65E-01 | 0.064 | 0.060 | 1.07 | 0.84 - 1.36 | 1.31 | 3.66E-03 | RECK | intronic |
| 2 | 197222704 | G | A | rs1902268 | 7.45E-01 | 0.107 | 0.113 | 1.07 | 0.88 - 1.3 | 4.30E-05 | 0.123 | 0.085 | 0.67 | 0.55 - 0.8 | 0.79 | 3.69E-03 | HECW2 | intronic |
| 2 | 204729153 | C | T | rs231770 | 5.96E-01 | 0.398 | 0.390 | 1.04 | 0.91 - 1.18 | 3.50E-06 | 0.140 | 0.406 | 0.75 | 0.67 - 0.85 | 0.87 | 3.69E-03 | CD28(dist=125517), CTLA4(dist=3358) | intergenic |
| 10 | 49944268 | T | G | rs41282001 | 6.55E-06 | 0.045 | 0.023 | 2.03 | 1.45 - 2.86 | 7.05E-01 | 0.036 | 0.037 | 0.98 | 0.72 - 1.34 | 1.64 | 3.69E-03 | WDFY4 | intronic |
| 17 | 33124755 | G | C | rs148312904 | 2.43E-05 | 0.048 | 0.082 | 0.56 | 0.43 - 0.74 | 7.90E-01 | 0.060 | 0.057 | 1.07 | 0.83 - 1.37 | 0.76 | 3.69E-03 | TMEM132E(dist=158413), CCT6B(dist=130123) | intergenic |
| 13 | 26293113 | A | G | rs3117860 | 5.95E-05 | 0.460 | 0.510 | 1.22 | 1.08 - 1.38 | 7.63E-01 | 0.487 | 0.470 | 1.07 | 0.95 - 1.2 | 1.14 | 3.73E-03 | ATP8A2 | intronic |
| 19 | 16079003 | A | C | rs7259327 | 4.61E-05 | 0.305 | 0.256 | 1.28 | 1.11 - 1.46 | 9.05E-01 | 0.239 | 0.230 | 1.05 | 0.92 - 1.21 | 1.18 | 3.73E-03 | OR10H4(dist=18235), LINC00661(dist=47441) | intergenic |
| 4 | 189435070 | G | A | rs10012220 | 2.96E-05 | 0.083 | 0.055 | 1.55 | 1.22 - 1.97 | 8.82E-01 | 0.057 | 0.053 | 1.06 | 0.83 - 1.37 | 1.34 | 3.73E-03 | LINC01060 | ncRNA_intronic |
| 5 | 148621845 | G | A | rs41291953 | 9.43E-01 | 0.200 | 0.207 | 0.96 | 0.82 - 1.12 | 2.77E-05 | 0.151 | 0.189 | 0.76 | 0.65 - 0.9 | 0.84 | 3.73E-03 | ABLIM3 | intronic |
| 17 | 33126878 | G | A | rs115645926 | 2.44E-05 | 0.048 | 0.082 | 0.56 | 0.43 - 0.74 | 7.87E-01 | 0.060 | 0.057 | 1.07 | 0.83 - 1.37 | 0.76 | 3.74E-03 | TMEM132E(dist=160536), CCT6B(dist=128000) | intergenic |
| 7 | 12726163 | C | T | rs3757442 | 1.70E-05 | 0.366 | 0.409 | 1.20 | 1.06 - 1.37 | 9.15E-01 | 0.431 | 0.448 | 1.07 | 0.95 - 1.21 | 1.15 | 3.78E-03 | ARL4A | upstream |
| 16 | 89801892 | G | C | rs11649155 | 9.55E-01 | 0.188 | 0.187 | 1.01 | 0.86 - 1.18 | 4.35E-05 | 0.243 | 0.202 | 1.27 | 1.11 - 1.46 | 1.19 | 3.78E-03 | ZNF276 | intronic |
| 3 | 191965028 | A | G | rs111560637 | 9.43E-01 | 0.040 | 0.043 | 0.94 | 0.69 - 1.28 | 4.49E-05 | 0.068 | 0.043 | 1.61 | 1.26 - 2.06 | 1.41 | 3.81E-03 | FGF12-AS1 | ncRNA_intronic |
| 12 | 12257135 | T | C | rs4763783 | 5.49E-01 | 0.294 | 0.282 | 0.94 | 0.82 - 1.08 | 1.46E-05 | 0.251 | 0.315 | 1.38 | 1.2 - 1.57 | 1.17 | 3.81E-03 | BCL2L14(dist=4508), MIR1244-4(dist=7751) | intergenic |
| 16 | 86568470 | C | T | rs4843388 | 8.42E-01 | 0.335 | 0.335 | 1.00 | 0.88 - 1.14 | 5.16E-05 | 0.354 | 0.298 | 1.29 | 1.14 - 1.46 | 1.16 | 3.82E-03 | MTHFSD | intronic |
| 2 | 60837085 | T | C | rs842942 | 2.40E-05 | 0.520 | 0.446 | 1.34 | 1.19 - 1.52 | 1.00E+00 | 0.468 | 0.477 | 0.96 | 0.86 - 1.08 | 1.14 | 3.82E-03 | BCL11A(dist=56452), PAPOLG(dist=146280) | intergenic |
| 18 | 72273161 | G | A | rs8090212 | 3.87E-05 | 0.147 | 0.199 | 1.45 | 1.22 - 1.71 | 9.67E-01 | 0.165 | 0.163 | 0.99 | 0.84 - 1.16 | 1.19 | 3.83E-03 | LINC00909(dist=8090), ZNF407(dist=69758) | intergenic |
| 18 | 72900325 | C | T | rs115921118 | 4.34E-05 | 0.063 | 0.039 | 1.65 | 1.25 - 2.18 | 7.83E-01 | 0.033 | 0.034 | 1.00 | 0.72 - 1.38 | 1.41 | 3.84E-03 | ZNF407(dist=122697), ZADH2(dist=8953) | intergenic |
| 11 | 76921090 | G | A | rs12793189 | 8.42E-01 | 0.445 | 0.445 | 1.00 | 0.88 - 1.13 | 5.79E-05 | 0.507 | 0.456 | 0.82 | 0.73 - 0.92 | 0.87 | 3.84E-03 | IMY07A | intronic |
| 4 | 92513259 | C | G | rs28421145 | 9.11E-01 | 0.118 | 0.120 | 0.98 | 0.81 - 1.19 | 4.60E-05 | 0.151 | 0.106 | 1.51 | 1.27 - 1.78 | 1.22 | 3.87E-03 | CCSER1 | intronic |
| 9 | 36118219 | A | G | rs6476529 | 3.12E-05 | 0.106 | 0.074 | 1.48 | 1.2 - 1.83 | 9.03E-01 | 0.084 | 0.079 | 1.08 | 0.87 - 1.33 | 1.27 | 3.92E-03 | RECK | intronic |
| 13 | 26291420 | A | G | rs3132350 | 6.45E-05 | 0.460 | 0.509 | 1.22 | 1.08 - 1.38 | 7.66E-01 | 0.487 | 0.470 | 1.07 | 0.95 - 1.2 | 1.14 | 3.93E-03 | ATP8A2 | intronic |
| 13 | 26293389 | G | A | rs3117858 | 6.01E-05 | 0.459 | 0.509 | 1.22 | 1.08 - 1.38 | 7.78E-01 | 0.487 | 0.471 | 1.07 | 0.95 - 1.2 | 1.14 | 3.93E-03 | ATP8A2 | intronic |
| 9 | 36127446 | G | A | rs116349039 | 1.51E-05 | 0.109 | 0.076 | 1.49 | 1.21 - 1.84 | 9.78E-01 | 0.089 | 0.084 | 1.07 | 0.87 - 1.31 | 1.27 | 3.96E-03 | RECK(dist=2994), GLIPR2(dist=9087) | intergenic |
| 13 | 43098967 | A | T | rs35230292 | 3.50E-05 | 0.179 | 0.230 | 0.73 | 0.63 - 0.86 | 8.71E-01 | 0.199 | 0.201 | 0.98 | 0.85 - 1.14 | 0.84 | 3.97E-03 | AKAP11(dist=201564), TNFSF11(dist=37905) | intergenic |
| 4 | 14573029 | C | T | rs12504369 | 9.91E-01 | 0.446 | 0.436 | 1.04 | 0.92 - 1.18 | 5.65E-05 | 0.492 | 0.451 | 1.18 | 1.05 - 1.33 | 1.14 | 4.00E-03 | LINC00504 | ncRNA_intronic |
| 7 | 9501328 | A | G | rs2713313 | 8.39E-06 | 0.310 | 0.258 | 0.78 | 0.68 - 0.89 | 8.26E-01 | 0.268 | 0.269 | 1.01 | 0.88 - 1.15 | 0.84 | 4.01E-03 | NXP1(dist=708735), PER4(dist=172572) | intergenic |
| 10 | 124511464 | C | A | rs10902919 | 2.64E-05 | 0.410 | 0.456 | 0.83 | 0.73 - 0.94 | 7.07E-01 | 0.477 | 0.496 | 0.93 | 0.82 - 1.04 | 0.87 | 4.03E-03 | C10orf120(dist=52126), DMBT1P1(dist=4746) | intergenic |
| 13 | 26292305 | G | A | rs3132353 | 6.42E-05 | 0.460 | 0.509 | 1.22 | 1.08 - 1.38 | 7.77E-01 | 0.487 | 0.471 | 1.07 | 0.95 - 1.2 | 1.14 | 4.04E-03 | ATP8A2 | intronic |
| 7 | 70757979 | C | T | rs78779164 | 6.47E-05 | 0.010 | 0.031 | 0.32 | 0.19 - 0.56 | 9.26E-01 | 0.021 | 0.021 | 1.01 | 0.67 - 1.52 | 0.64 | 4.05E-03 | WBSCR17 | intronic |
| 9 | 36096970 | C | A | rs57437540 | 6.11E-05 | 0.104 | 0.073 | 1.46 | 1.18 - 1.82 | 7.83E-01 | 0.085 | 0.078 | 1.09 | 0.89 - 1.35 | 1.27 | 4.08E-03 | RECK | intronic |
| 9 | 36096955 | G | A | rs57945034 | 6.12E-05 | 0.104 | 0.073 | 1.46 | 1.18 - 1.82 | 7.83E-01 | 0.085 | 0.078 | 1.09 | 0.89 - 1.35 | 1.27 | 4.08E-03 | RECK | intronic |
| 9 | 36089032 | T | A | rs78588890 | 1.62E-05 | 0.087 | 0.056 | 1.59 | 1.25 - 2.01 | 9.64E-01 | 0.064 | 0.060 | 1.07 | 0.84 - 1.36 | 1.31 | 4.09E-03 | RECK | intronic |
| 3 | 168369375 | T | C | rs10804826 | 9.33E-01 | 0.154 | 0.146 | 0.94 | 0.79 - 1.12 | 3.63E-05 | 0.197 | 0.161 | 0.78 | 0.68 - 0.91 | 0.83 | 4.11E-03 | EGFEM1P | ncRNA_intronic |
| 10 | 15455419 | A | C | rs61842742 | 8.37E-01 | 0.074 | 0.072 | 1.03 | 0.81 - 1.3 | 3.85E-05 | 0.094 | 0.067 | 1.44 | 1.17 - 1.78 | 1.30 | 4.15E-03 | FAM171A1(dist=42361), ITGA8(dist=100529) | intergenic |
| 1 | 204712257 | G | A | rs73076076 | 8.56E-01 | 0.176 | 0.179 | 0.98 | 0.83 - 1.15 | 4.38E-05 | 0.215 | 0.162 | 1.41 | 1.22 - 1.63 | 1.19 | 4.17E-03 | LRRN2(dist=57660), NFASC(dist=85525) | intergenic |
| 13 | 26293733 | G | T | rs3132355 | 5.80E-05 | 0.459 | 0.509 | 1.22 | 1.08 - 1.38 | 8.04E-01 | 0.488 | 0.472 | 1.07 | 0.95 - 1.2 | 1.14 | 4.18E-03 | ATP8A2 | intronic |
| 13 | 43099692 | A | G | rs35355882 | 4.02E-05 | 0.181 | 0.229 | 0.74 | 0.63 - 0.87 | 8.60E-01 | 0.197 | 0.199 | 0.98 | 0.85 - 1.14 | 0.83 | 4.20E-03 | AKAP11(dist=202289), TNFSF11(dist=37180) | intergenic |
| 9 | 36101195 | G | T | rs7856652 | 2.20E-05 | 0.104 | 0.071 | 1.50 | 1.21 - 1.86 | 9.48E-01 | 0.083 | 0.078 | 1.07 | 0.86 - 1.32 | 1.27 | 4.22E-03 | RECK</ | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 9 | 36125343 | T | A | rs78177840 | 1.89E-05 | 0.106 | 0.073 | 1.50 | 1.21 | -1.86 | 9.68E-01 | 0.086 | 0.081 | 1.07 | 0.87 | -1.32 | 1.26 | 4.32E-03 | RECK | downstream |
| 8 | 127605138 | A | G | rs17815284 | 8.39E-01 | 0.102 | 0.087 | 1.19 | 0.96 | -1.47 | 6.29E-06 | 0.169 | 0.148 | 1.17 | 1 | -1.36 | 1.28 | 4.33E-03 | FAM84B(dist=34427), PCAT1(dist=420261) | intergenic |
| 11 | 121104333 | T | C | rs55646951 | 9.47E-01 | 0.296 | 0.281 | 1.08 | 0.94 | -1.23 | 4.25E-05 | 0.330 | 0.290 | 1.20 | 1.06 | -1.36 | 1.17 | 4.34E-03 | TECTA(dist=42818), SC5D(dist=59055) | intergenic |
| 7 | 158020293 | T | C | rs6974924 | 9.18E-01 | 0.335 | 0.320 | 0.93 | 0.82 | -1.07 | 3.34E-05 | 0.296 | 0.359 | 1.33 | 1.17 | -1.51 | 1.15 | 4.36E-03 | PTPRN2 | intronic |
| 7 | 158020287 | C | A | rs6951312 | 9.18E-01 | 0.335 | 0.320 | 0.93 | 0.82 | -1.07 | 3.34E-05 | 0.296 | 0.359 | 1.33 | 1.17 | -1.51 | 1.15 | 4.37E-03 | PTPRN2 | intronic |
| 7 | 158020284 | T | G | rs6974918 | 9.17E-01 | 0.335 | 0.320 | 0.93 | 0.82 | -1.07 | 3.34E-05 | 0.296 | 0.359 | 1.33 | 1.17 | -1.51 | 1.15 | 4.37E-03 | PTPRN2 | intronic |
| 13 | 27715813 | A | C | rs7326966 | 1.65E-05 | 0.377 | 0.451 | 1.36 | 1.2 | -1.54 | 9.46E-01 | 0.430 | 0.428 | 0.99 | 0.88 | -1.12 | 1.14 | 4.42E-03 | USP12-AS1 | ncRNA_intronic |
| 2 | 224757456 | T | C | rs73994413 | 3.73E-05 | 0.051 | 0.028 | 1.89 | 1.38 | -2.6 | 7.35E-01 | 0.032 | 0.032 | 1.01 | 0.72 | -1.4 | 1.47 | 4.43E-03 | WDFY1 | intronic |
| 9 | 36124882 | G | A | rs76297474 | 1.94E-05 | 0.106 | 0.073 | 1.50 | 1.21 | -1.86 | 9.72E-01 | 0.086 | 0.081 | 1.07 | 0.87 | -1.32 | 1.26 | 4.43E-03 | RECK | downstream |
| 16 | 85084266 | A | G | rs8047023 | 8.82E-01 | 0.387 | 0.372 | 0.94 | 0.83 | -1.07 | 3.87E-05 | 0.343 | 0.412 | 1.34 | 1.19 | -1.52 | 1.15 | 4.45E-03 | KIAA0513 | intronic |
| 8 | 117959731 | A | G | rs77436457 | 7.91E-06 | 0.049 | 0.027 | 1.82 | 1.32 | -2.51 | 8.42E-01 | 0.034 | 0.033 | 1.01 | 0.73 | -1.4 | 1.50 | 4.46E-03 | AARD(dist=3492), SLC30A8(dist=2781) | intergenic |
| 6 | 14764877 | C | G | rs742038 | 2.20E-05 | 0.364 | 0.405 | 0.84 | 0.74 | -0.96 | 9.56E-01 | 0.397 | 0.422 | 0.90 | 0.8 | -1.02 | 0.87 | 4.46E-03 | LINC01108(dist=479192), JARID2(dist=481329) | intergenic |
| 4 | 88307042 | G | A | rs115037129 | 7.50E-01 | 0.021 | 0.024 | 0.86 | 0.56 | -1.32 | 4.54E-05 | 0.041 | 0.021 | 1.97 | 1.43 | -2.72 | 1.56 | 4.47E-03 | HSD17B11 | intronic |
| 14 | 26756524 | G | A | rs114818847 | 9.74E-01 | 0.038 | 0.042 | 0.91 | 0.66 | -1.25 | 1.16E-05 | 0.046 | 0.024 | 1.94 | 1.43 | -2.61 | 1.46 | 4.48E-03 | STXBP6(dist=1237021), NOVA1(dist=158565) | intergenic |
| 12 | 940205 | C | T | rs77848352 | 6.21E-05 | 0.062 | 0.040 | 1.59 | 1.2 | -2.1 | 7.70E-01 | 0.051 | 0.047 | 1.10 | 0.84 | -1.44 | 1.37 | 4.49E-03 | WNK1 | intronic |
| 13 | 109670246 | A | G | rs111472743 | 1.80E-05 | 0.052 | 0.032 | 1.67 | 1.23 | -2.26 | 6.98E-01 | 0.031 | 0.032 | 0.99 | 0.71 | -1.38 | 1.48 | 4.52E-03 | MYO16 | intronic |
| 2 | 129144398 | G | A | rs56228223 | 8.90E-01 | 0.079 | 0.066 | 1.21 | 0.96 | -1.54 | 3.87E-05 | 0.110 | 0.095 | 1.18 | 0.98 | -1.43 | 1.33 | 4.53E-03 | HS6ST1(dist=68227), LOC101927881(dist=477776) | intergenic |
| 1 | 198647278 | T | C | rs78075349 | 2.41E-05 | 0.044 | 0.024 | 1.86 | 1.33 | -2.61 | 9.39E-01 | 0.032 | 0.030 | 1.06 | 0.75 | -1.48 | 1.45 | 4.54E-03 | PTPRC | intronic |
| 9 | 36117779 | T | C | rs111952135 | 2.94E-05 | 0.106 | 0.074 | 1.48 | 1.2 | -1.83 | 9.16E-01 | 0.087 | 0.082 | 1.07 | 0.87 | -1.32 | 1.26 | 4.55E-03 | RECK | intronic |
| 1 | 72803096 | C | A | rs11209946 | 8.67E-01 | 0.082 | 0.075 | 1.11 | 0.89 | -1.4 | 3.78E-05 | 0.119 | 0.103 | 1.17 | 0.98 | -1.41 | 1.34 | 4.55E-03 | NEGR1(dist=54819), LINC01360(dist=968757) | intergenic |
| 10 | 15437159 | G | A | rs10508485 | 8.01E-01 | 0.077 | 0.074 | 1.05 | 0.83 | -1.33 | 6.38E-05 | 0.103 | 0.075 | 1.41 | 1.16 | -1.72 | 1.28 | 4.57E-03 | FAM171A1(dist=24101), ITGA8(dist=118789) | intergenic |
| 9 | 36102275 | C | G | rs75300380 | 4.88E-05 | 0.105 | 0.074 | 1.47 | 1.19 | -1.82 | 8.50E-01 | 0.086 | 0.080 | 1.08 | 0.88 | -1.34 | 1.26 | 4.58E-03 | RECK | intronic |
| 9 | 36102414 | T | C | rs79490359 | 4.88E-05 | 0.105 | 0.074 | 1.47 | 1.19 | -1.82 | 8.50E-01 | 0.086 | 0.080 | 1.08 | 0.88 | -1.34 | 1.26 | 4.58E-03 | RECK | intronic |
| 9 | 36102072 | C | T | rs74372001 | 4.89E-05 | 0.105 | 0.074 | 1.47 | 1.19 | -1.82 | 8.50E-01 | 0.086 | 0.080 | 1.08 | 0.88 | -1.34 | 1.26 | 4.58E-03 | RECK | intronic |
| 6 | 114376730 | C | G | rs7748963 | 9.72E-01 | 0.257 | 0.251 | 0.97 | 0.84 | -1.12 | 6.09E-05 | 0.210 | 0.264 | 1.35 | 1.17 | -1.55 | 1.16 | 4.58E-03 | LOC101927768 | ncRNA_intronic |
| 13 | 30591948 | C | T | rs75437839 | 9.96E-01 | 0.044 | 0.046 | 0.95 | 0.71 | -1.29 | 9.93E-06 | 0.058 | 0.036 | 1.66 | 1.28 | -2.17 | 1.47 | 4.59E-03 | LINC00544(dist=67323), KATNAL1(dist=184819) | intergenic |
| 2 | 195987747 | T | C | rs777726 | 4.19E-05 | 0.239 | 0.197 | 1.28 | 1.1 | -1.49 | 9.19E-01 | 0.188 | 0.180 | 1.06 | 0.91 | -1.23 | 1.18 | 4.60E-03 | LOC101927431(dist=361588), SLC39A10(dist=533785) | intergenic |
| 12 | 114982445 | A | G | rs10774757 | 7.44E-01 | 0.348 | 0.353 | 0.98 | 0.86 | -1.11 | 1.75E-05 | 0.381 | 0.328 | 1.26 | 1.12 | -1.43 | 1.17 | 4.61E-03 | TBX5-AS1(dist=131808), TBX3(dist=125614) | intergenic |
| 18 | 72267170 | G | A | rs7230919 | 2.73E-05 | 0.141 | 0.193 | 1.45 | 1.22 | -1.72 | 8.11E-01 | 0.168 | 0.165 | 0.98 | 0.84 | -1.15 | 1.19 | 4.63E-03 | LINC00909(dist=2099), ZNF407(dist=75749) | intergenic |
| 2 | 224791189 | A | T | rs77841681 | 3.00E-05 | 0.096 | 0.065 | 1.52 | 1.22 | -1.9 | 6.68E-01 | 0.059 | 0.059 | 1.01 | 0.78 | -1.29 | 1.33 | 4.65E-03 | WDFY1 | intronic |
| 2 | 223428269 | G | C | rs139744212 | 9.86E-01 | 0.030 | 0.032 | 0.92 | 0.64 | -1.32 | 4.53E-05 | 0.051 | 0.032 | 1.60 | 1.21 | -2.12 | 1.56 | 4.68E-03 | SGPP2(dist=4652), FARSB(dist=7893) | intergenic |
| 9 | 36100137 | G | A | rs74837051 | 5.19E-05 | 0.105 | 0.074 | 1.47 | 1.18 | -1.82 | 8.51E-01 | 0.085 | 0.079 | 1.08 | 0.88 | -1.34 | 1.26 | 4.69E-03 | RECK | intronic |
| 12 | 12260223 | A | G | rs61344881 | 7.39E-01 | 0.325 | 0.316 | 0.96 | 0.84 | -1.1 | 2.86E-05 | 0.294 | 0.353 | 1.31 | 1.15 | -1.49 | 1.17 | 4.70E-03 | BCL2L14(dist=7596), MIR1244-4(dist=4663) | intergenic |
| 8 | 18413338 | T | C | rs10106621 | 8.85E-01 | 0.053 | 0.056 | 0.94 | 0.71 | -1.23 | 3.60E-05 | 0.077 | 0.048 | 1.66 | 1.32 | -2.09 | 1.34 | 4.71E-03 | PSD3 | intronic |
| 10 | 51465650 | C | T | rs199898426 | 1.90E-06 | 0.245 | 0.182 | 1.46 | 1.26 | -1.69 | 8.65E-01 | 0.231 | 0.242 | 0.94 | 0.82 | -1.08 | 1.25 | 4.73E-03 | AGAP7P | ncRNA_exonic |
| 19 | 51373279 | T | C | rs2739472 | 6.76E-01 | 0.330 | 0.332 | 1.01 | 0.89 | -1.15 | 2.59E-05 | 0.393 | 0.339 | 0.79 | 0.7 | -0.89 | 0.87 | 4.76E-03 | KLK3(dist=9259), KLK2(dist=3410) | intergenic |
| 8 | 127601719 | T | C | rs10956312 | 8.31E-01 | 0.099 | 0.085 | 1.18 | 0.96 | -1.46 | 7.71E-06 | 0.168 | 0.148 | 1.16 | 0.99 | -1.36 | 1.28 | 4.78E-03 | FAM84B(dist=31008), PCAT1(dist=423680) | intergenic |
| 14 | 104963740 | G | A | rs115091998 | 9.67E-01 | 0.070 | 0.072 | 0.97 | 0.76 | -1.23 | 2.55E-05 | 0.082 | 0.054 | 1.59 | 1.27 | -1.98 | 1.33 | 4.79E-03 | KIF26A(dist=316505), C14orf180(dist=82281) | intergenic |
| 1 | 198125585 | T | C | rs80323693 | 5.84E-06 | 0.043 | 0.023 | 1.95 | 1.38 | -2.75 | 6.92E-01 | 0.028 | 0.028 | 1.00 | 0.7 | -1.43 | 1.48 | 4.79E-03 | NEK7 | upstream |
| 15 | 24602535 | C | T | rs151328796 | 7.22E-01 | 0.038 | 0.043 | 0.89 | 0.65 | -1.22 | 1.41E-05 | 0.054 | 0.031 | 1.78 | 1.35 | -2.34 | 1.45 | 4.81E-03 | PWRN2(dist=187482), PWRN3(dist=83739) | intergenic |
| 9 | 36099468 | G | T | rs74570380 | 5.63E-05 | 0.105 | 0.074 | 1.46 | 1.18 | -1.81 | 8.50E-01 | 0.085 | 0.079 | 1.08 | 0.88 | -1.34 | 1.26 | 4.85E-03 | RECK | intronic |
| 1 | 198128817 | T | C | rs115669600 | 6.03E-06 | 0.044 | 0.023 | 1.95 | 1.38 | -2.75 | 6.91E-01 | 0.028 | 0.028 | 1.00 | 0.7 | -1.43 | 1.48 | 4.86E-03 | NEK7 | intronic |
| 1 | 198128839 | G | T | rs116180579 | 6.04E-06 | 0.044 | 0.023 | 1.95 | 1.38 | -2.75 | 6.91E-01 | 0.028 | 0.028 | 1.00 | 0.7 | -1.43 | 1.48 | 4.86E-03 | NEK7 | intronic |
| 1 | 210443520 | C | T | rs56295590 | 8.70E-01 | 0.030 | 0.030 | 0.98 | 0.68 | -1.42 | 4.77E-05 | 0.040 | 0.022 | 1.86 | 1.35 | -2.56 | 1.51 | 4.86E-03 | SERTAD4(dist=27080), HHAT(dist=58076) | intergenic |
| 10 | 15439222 | C | T | rs61842720 | 7.78E-01 | 0.077 | 0.074 | 1.05 | 0.83 | -1.32 | 6.30E-05 | 0.103 | 0.075 | 1.42 | 1.16 | -1.73 | 1.27 | 4.87E-03 | FAM171A1(dist=26164), ITGA8(dist=116726) | intergenic |
| 10 | 53118079 | C | G | rs1189304 | 5.81E-05 | 0.273 | 0.218 | 0.75 | 0.65 | -0.86 | 7.19E-01 | 0.249 | 0.248 | 0.99 | 0.87 | -1.14 | 0.84 | 4.87E-03 | PRKG1 | intronic |
| 2 | 1768221 | G | A | rs7422692 | 8.50E-01 | 0.253 | 0.255 | 0.99 | 0.86 | -1.14 | 2.15E-05 | 0.225 | 0.270 | 0.78 | 0.68 | -0.9 | 0.86 | 4.88E-03 | PXDN(dist=19902), MYT1L(dist=24664) | intergenic |
| 10 | 15439732 | G | A | rs61842722 | 7.78E-01 | 0.077 | 0.074 | 1.05 | 0.83 | -1.32 | 6.30E-05 | 0.103 | 0.075 | 1.42 | 1.16 | -1.73 | 1.27 | 4.88E-03 | FAM171A1(dist=26674), ITGA8(dist=116216) | intergenic |
| 10 | 15439694 | T | C | rs61842721 | 7.78E-01 | 0.077 | 0.074 | 1.05 | 0.83 | -1.32 | 6.31E-05 | 0.103 | 0.075 | 1.42 | 1.16 | -1.73 | 1.27 | 4.88E-03 | FAM171A1(dist=26636), ITGA8(dist=116254) | intergenic |
| 12 | 84912348 | A | G | rs12370680 | 2.90E-05 | 0.149 | 0.198 | 0.71 | 0.6 | -0.84 | 9.85E-01 | 0.183 | 0.187 | 0.97 | 0.84 | -1.13 | 0.85 | 4.88E-03 | TMTC2(dist=1384281), SLC6A15(dist=340919) | intergenic |
| 10 | 15443313 | T | C | rs56409016 | 7.82E-01 | 0.077 | 0.074 | 1.05 | 0.83 | -1.32 | 6.37E-05 | 0.103 | 0.075 | 1.42 | 1.16 | -1.73 | 1.27 | 4.89E-03 | FAM171A1(dist=30255), ITGA8(dist=112635) | intergenic |
| 6 | 80619703 | A | G | rs1999021 | 6.87E-01 | 0.046 | 0.044 | 1.06 | 0.79 | -1.43 | 2.89E-05 | 0.074 | 0.059 | 1.28 | 1.02 | -1.61 | 1.38 | 4.93E-03 | C6orf7(dist=39566), ELOVL4(dist=4826) | intergenic |
| 8 | 124177924 | A | G | rs3107193 | 7.96E-01 | 0.083 | 0.076 | 0.91 | 0.73 | -1.15 | 4.58E-05 | 0.119 | 0.091 | 0.74 | 0.62 | -0.89 | 0.79 | 4.95E-03 | TBC1D31(dist=13534), FAM83A(dist=13361) | intergenic |
| 2 | 224773599 | C | T | rs73994420 | 6.03E-05 | 0.166 | 0.129 | 1.34 | 1.13 | -1.6 | 8.47E-01 | 0.119 | 0.116 | 1.03 | 0.86 | -1.23 | 1.23 | 5.00E-03 | WDFY1 | intronic |
| 5 | 148626718 | A | C | rs73275734 | 9.13E-01 | 0.206 | 0.210 | 0.97 | 0.83 | -1.13 | 1.93E-05 | 0.154 | 0.193 | 0.76 | 0.65 | -0.89 | 0.85 | 5.06E-03 | ABLIM3 | intronic |
| 6 | 95869123 | G | A | rs75487686 | 5.27E-05 | 0.073 | 0.046 | 1.62 | 1.25 | -2.09 | 9.23E-01 | 0.050 | 0.049 | 1.02 | 0.78 | -1.33 | 1.34 | 5.09E-03 | TSG1(dist=1382924), MANEA-AS1(dist=138849) | intergenic |
| 2 | 195989368 | C | A | rs777722 | 4.48E-05 | 0.239 | 0.197 | 1.28 | 1.1 | -1.48 | 8.95E-01 | 0.189 | 0.181 | 1.06 | 0.91 | -1.23 | 1.18 | 5.11E-03 | LOC101927431(dist=363209), SLC39A10(dist=532164) | intergenic |

| | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|----------------------|----------|-------|-------|------|-------------|----------|-------|-------|------|-------------|------|----------|--|----------------|
| 8 | 124194968 | C | T | rs3739291 | 7.71E-01 | 0.057 | 0.052 | 1.09 | 0.83 - 1.43 | 4.76E-05 | 0.086 | 0.063 | 1.38 | 1.12 - 1.72 | 1.33 | 5.22E-03 | FAM83A | UTR5 |
| 20 | 13340470 | A | G | rs4350822 | 8.34E-01 | 0.358 | 0.371 | 0.94 | 0.83 - 1.07 | 2.64E-05 | 0.398 | 0.333 | 1.32 | 1.17 - 1.49 | 1.15 | 5.25E-03 | ISM1(dist=59173), TASP1(dist=29566) | intergenic |
| 16 | 11424058 | A | G | rs112743879 | 1.18E-05 | 0.299 | 0.231 | 1.42 | 1.24 - 1.63 | 9.02E-01 | 0.270 | 0.284 | 0.93 | 0.82 - 1.06 | 1.17 | 5.25E-03 | PRM1(dist=48866), RMI2(dist=15237) | intergenic |
| 18 | 27872062 | A | G | rs4799877;rs34586950 | 8.35E-01 | 0.398 | 0.393 | 1.02 | 0.9 - 1.16 | 3.00E-05 | 0.329 | 0.385 | 0.78 | 0.69 - 0.88 | 0.88 | 5.27E-03 | NONE(dist=NONE), MIR302F(dist=6814) | intergenic |
| 5 | 40977869 | G | A | rs1078376 | 3.47E-05 | 0.061 | 0.032 | 1.98 | 1.48 - 2.65 | 9.71E-01 | 0.048 | 0.053 | 0.90 | 0.69 - 1.18 | 1.37 | 5.28E-03 | C7 | intronic |
| 9 | 36115417 | A | G | rs7045247;rs71336428 | 3.20E-05 | 0.106 | 0.074 | 1.48 | 1.2 - 1.83 | 9.53E-01 | 0.086 | 0.081 | 1.07 | 0.87 - 1.32 | 1.26 | 5.30E-03 | RECK | intronic |
| 6 | 131671255 | G | T | rs17575445 | 8.93E-01 | 0.034 | 0.030 | 1.12 | 0.79 - 1.59 | 5.54E-05 | 0.042 | 0.028 | 1.52 | 1.12 - 2.06 | 1.59 | 5.31E-03 | AKAP7(dist=66580), ARG1(dist=223089) | intergenic |
| 9 | 36115220 | C | G | rs7045110 | 3.21E-05 | 0.106 | 0.074 | 1.48 | 1.2 - 1.83 | 9.53E-01 | 0.086 | 0.081 | 1.07 | 0.87 - 1.32 | 1.26 | 5.31E-03 | RECK | intronic |
| 9 | 36113026 | A | G | rs16932943 | 3.24E-05 | 0.106 | 0.074 | 1.48 | 1.2 - 1.83 | 9.53E-01 | 0.086 | 0.081 | 1.07 | 0.87 - 1.32 | 1.26 | 5.32E-03 | RECK | intronic |
| 9 | 36112910 | A | T | rs10491850 | 3.24E-05 | 0.106 | 0.074 | 1.48 | 1.2 - 1.83 | 9.53E-01 | 0.086 | 0.081 | 1.07 | 0.87 - 1.32 | 1.26 | 5.32E-03 | RECK | intronic |
| 4 | 32195626 | A | G | rs17080899 | 8.36E-01 | 0.080 | 0.084 | 0.95 | 0.76 - 1.19 | 3.60E-05 | 0.099 | 0.069 | 1.47 | 1.2 - 1.8 | 1.30 | 5.33E-03 | LOC102723828(dist=38598), LOC101928622(dist=1702335) | intergenic |
| 9 | 36062369 | C | G | rs7043696 | 2.82E-05 | 0.108 | 0.077 | 1.46 | 1.18 - 1.8 | 9.62E-01 | 0.083 | 0.079 | 1.06 | 0.86 - 1.31 | 1.26 | 5.33E-03 | RECK | intergenic |
| 17 | 33142821 | C | T | rs114704068 | 3.07E-05 | 0.048 | 0.082 | 0.57 | 0.43 - 0.74 | 7.20E-01 | 0.062 | 0.058 | 1.08 | 0.85 - 1.38 | 0.77 | 5.35E-03 | TMEM132E(dist=176479), CCT6B(dist=112057) | intergenic |
| 9 | 36116971 | G | A | rs16932947 | 2.99E-05 | 0.106 | 0.074 | 1.48 | 1.2 - 1.83 | 9.66E-01 | 0.086 | 0.081 | 1.07 | 0.87 - 1.32 | 1.26 | 5.36E-03 | RECK | intronic |
| 9 | 36110220 | C | T | rs80043662 | 3.36E-05 | 0.106 | 0.074 | 1.48 | 1.19 - 1.83 | 9.51E-01 | 0.086 | 0.081 | 1.07 | 0.87 - 1.32 | 1.26 | 5.37E-03 | RECK | intronic |
| 9 | 36109438 | C | T | rs75509067 | 3.39E-05 | 0.106 | 0.074 | 1.48 | 1.19 - 1.83 | 9.52E-01 | 0.086 | 0.081 | 1.07 | 0.87 - 1.32 | 1.26 | 5.39E-03 | RECK | intronic |
| 15 | 90488672 | C | G | rs55780925 | 2.65E-05 | 0.071 | 0.046 | 1.57 | 1.21 - 2.03 | 7.39E-01 | 0.073 | 0.072 | 1.01 | 0.8 - 1.26 | 1.34 | 5.40E-03 | C15orf38-AP3S2(dist=32450), ZNF710(dist=56051) | intergenic |
| 15 | 90488704 | G | A | rs55657935 | 2.66E-05 | 0.071 | 0.046 | 1.57 | 1.21 - 2.03 | 7.39E-01 | 0.073 | 0.072 | 1.01 | 0.8 - 1.26 | 1.34 | 5.40E-03 | C15orf38-AP3S2(dist=32482), ZNF710(dist=56019) | intergenic |
| 2 | 195985514 | G | A | rs2667145 | 5.33E-05 | 0.236 | 0.195 | 1.28 | 1.1 - 1.48 | 8.95E-01 | 0.187 | 0.179 | 1.06 | 0.91 - 1.23 | 1.18 | 5.41E-03 | LOC101927431(dist=359355), SLC39A10(dist=536018) | intergenic |
| 9 | 36107312 | C | T | rs116361480 | 3.43E-05 | 0.106 | 0.074 | 1.48 | 1.19 - 1.83 | 9.53E-01 | 0.086 | 0.081 | 1.07 | 0.87 - 1.32 | 1.26 | 5.42E-03 | RECK | intronic |
| 9 | 36107326 | C | T | rs144314788 | 3.43E-05 | 0.106 | 0.074 | 1.48 | 1.19 - 1.83 | 9.53E-01 | 0.086 | 0.081 | 1.07 | 0.87 - 1.32 | 1.26 | 5.42E-03 | RECK | intronic |
| 6 | 29558403 | G | T | rs556403070;rs362519 | 4.10E-05 | 0.011 | 0.030 | 0.37 | 0.22 - 0.62 | 9.61E-01 | 0.028 | 0.026 | 1.06 | 0.74 - 1.52 | 0.65 | 5.42E-03 | OR2H2(dist=1658), GABBR1(dist=11602) | intergenic |
| 9 | 36106483 | C | T | rs138979403 | 3.45E-05 | 0.106 | 0.074 | 1.48 | 1.19 - 1.83 | 9.54E-01 | 0.086 | 0.081 | 1.07 | 0.87 - 1.32 | 1.26 | 5.43E-03 | RECK | intronic |
| 9 | 36106391 | C | G | rs150693460 | 3.46E-05 | 0.106 | 0.074 | 1.48 | 1.19 - 1.83 | 9.54E-01 | 0.086 | 0.081 | 1.07 | 0.87 - 1.32 | 1.26 | 5.43E-03 | RECK | intronic |
| 9 | 36105933 | A | G | rs116009041 | 3.46E-05 | 0.106 | 0.074 | 1.48 | 1.19 - 1.83 | 9.54E-01 | 0.086 | 0.081 | 1.07 | 0.87 - 1.32 | 1.26 | 5.44E-03 | RECK | intronic |
| 10 | 12736518 | T | G | rs144093821 | 4.46E-05 | 0.186 | 0.149 | 1.31 | 1.11 - 1.54 | 7.19E-01 | 0.178 | 0.175 | 1.02 | 0.88 - 1.19 | 1.25 | 5.44E-03 | CAMK1D | intronic |
| 9 | 36105959 | G | C | rs7874238 | 3.47E-05 | 0.106 | 0.074 | 1.48 | 1.19 - 1.83 | 9.54E-01 | 0.086 | 0.081 | 1.07 | 0.87 - 1.32 | 1.26 | 5.44E-03 | RECK | intronic |
| 9 | 36089222 | C | G | rs16932922 | 5.02E-05 | 0.104 | 0.073 | 1.47 | 1.18 - 1.82 | 9.34E-01 | 0.084 | 0.079 | 1.07 | 0.87 - 1.33 | 1.26 | 5.46E-03 | RECK | intronic |
| 14 | 63893902 | T | C | rs112779408 | 2.43E-05 | 0.045 | 0.028 | 1.66 | 1.2 - 2.3 | 7.29E-01 | 0.029 | 0.029 | 1.00 | 0.71 - 1.42 | 1.54 | 5.48E-03 | PPP2R5E | intronic |
| 4 | 68196784 | G | C | rs873174 | 5.58E-01 | 0.253 | 0.261 | 0.96 | 0.83 - 1.11 | 1.33E-05 | 0.295 | 0.244 | 1.30 | 1.14 - 1.48 | 1.15 | 5.48E-03 | MIR1269A(dist=1054138), LOC101927237(dist=86239) | intergenic |
| 11 | 7857379 | A | C | rs2361059 | 8.19E-01 | 0.371 | 0.352 | 1.09 | 0.96 - 1.24 | 2.66E-05 | 0.315 | 0.387 | 0.73 | 0.64 - 0.82 | 0.88 | 5.48E-03 | OR5P3(dist=9860), OR5E1P(dist=13219) | intergenic |
| 9 | 36121169 | C | T | rs76725802 | 2.82E-05 | 0.105 | 0.073 | 1.49 | 1.2 - 1.84 | 9.81E-01 | 0.086 | 0.081 | 1.07 | 0.86 - 1.32 | 1.26 | 5.49E-03 | RECK | intronic |
| 9 | 36120992 | C | T | rs78292072 | 2.83E-05 | 0.105 | 0.073 | 1.49 | 1.2 - 1.84 | 9.81E-01 | 0.086 | 0.081 | 1.07 | 0.86 - 1.32 | 1.26 | 5.49E-03 | RECK | intronic |
| 9 | 36120507 | C | T | rs7871269 | 2.84E-05 | 0.105 | 0.073 | 1.49 | 1.2 - 1.84 | 9.82E-01 | 0.086 | 0.081 | 1.07 | 0.86 - 1.32 | 1.26 | 5.51E-03 | RECK | intronic |
| 9 | 36119301 | A | G | rs78979925 | 2.88E-05 | 0.105 | 0.074 | 1.49 | 1.2 - 1.84 | 9.80E-01 | 0.086 | 0.081 | 1.07 | 0.86 - 1.32 | 1.26 | 5.52E-03 | RECK | intronic |
| 17 | 33143329 | C | T | rs116928751 | 2.49E-05 | 0.048 | 0.083 | 0.56 | 0.43 - 0.74 | 6.63E-01 | 0.063 | 0.058 | 1.09 | 0.85 - 1.39 | 0.77 | 5.53E-03 | TMEM132E(dist=176987), CCT6B(dist=111549) | intergenic |
| 9 | 36119813 | C | A | rs7032702 | 2.86E-05 | 0.105 | 0.073 | 1.49 | 1.2 - 1.84 | 9.82E-01 | 0.086 | 0.081 | 1.07 | 0.86 - 1.32 | 1.26 | 5.53E-03 | RECK | intronic |
| 10 | 37264608 | A | T | rs2504392 | 2.29E-05 | 0.329 | 0.250 | 1.47 | 1.28 - 1.68 | 9.28E-01 | 0.308 | 0.316 | 0.96 | 0.85 - 1.09 | 1.17 | 5.54E-03 | LINC01452(dist=1174760), ANKRD30A(dist=150177) | intergenic |
| 9 | 35388399 | C | T | rs146193932 | 9.96E-01 | 0.028 | 0.030 | 0.94 | 0.65 - 1.37 | 2.69E-05 | 0.037 | 0.021 | 1.75 | 1.26 - 2.44 | 1.64 | 5.55E-03 | UNC13B | intronic |
| 7 | 113547890 | T | G | rs7792710 | 7.88E-01 | 0.448 | 0.458 | 1.04 | 0.92 - 1.18 | 1.86E-05 | 0.498 | 0.435 | 0.78 | 0.69 - 0.87 | 0.88 | 5.55E-03 | PPP1R3A | intronic |
| 4 | 122563134 | C | G | rs4833228 | 8.01E-01 | 0.250 | 0.244 | 1.03 | 0.9 - 1.19 | 3.83E-05 | 0.213 | 0.269 | 0.74 | 0.64 - 0.85 | 0.86 | 5.55E-03 | QRFPR(dist=260953), ANXA5(dist=26018) | intergenic |
| 2 | 102935974 | G | A | rs11693204 | 8.91E-01 | 0.095 | 0.084 | 1.14 | 0.92 - 1.41 | 5.81E-05 | 0.075 | 0.118 | 0.60 | 0.49 - 0.75 | 0.80 | 5.56E-03 | IL1RL1 | intronic |
| 6 | 67797147 | G | T | rs2503907 | 7.59E-06 | 0.015 | 0.034 | 2.31 | 1.46 - 3.66 | 7.30E-01 | 0.035 | 0.041 | 1.17 | 0.85 - 1.6 | 1.45 | 5.56E-03 | SLC25A51P1(dist=1297771), LOC102723883(dist=968096) | intergenic |
| 17 | 33289860 | T | C | rs75082391 | 4.02E-05 | 0.049 | 0.083 | 0.57 | 0.43 - 0.74 | 7.99E-01 | 0.063 | 0.059 | 1.07 | 0.84 - 1.36 | 0.77 | 5.57E-03 | ZNF830(NM_052857:c.*156T>C) | UTR3 |
| 2 | 195986603 | A | G | rs777729 | 4.63E-05 | 0.239 | 0.197 | 1.28 | 1.1 - 1.48 | 8.63E-01 | 0.188 | 0.180 | 1.06 | 0.91 - 1.23 | 1.18 | 5.57E-03 | LOC101927431(dist=360444), SLC39A10(dist=534929) | intergenic |
| 4 | 106596685 | T | C | rs73837092 | 5.31E-05 | 0.056 | 0.033 | 1.73 | 1.29 - 2.33 | 9.72E-01 | 0.042 | 0.044 | 0.95 | 0.71 - 1.27 | 1.38 | 5.57E-03 | ARHGFEF38 | intronic |
| 1 | 198189725 | A | C | rs79508957 | 8.68E-06 | 0.047 | 0.026 | 1.88 | 1.36 - 2.61 | 6.74E-01 | 0.031 | 0.031 | 1.00 | 0.72 - 1.4 | 1.45 | 5.59E-03 | NEK7 | intronic |
| 15 | 90481350 | T | C | rs4932267 | 1.19E-05 | 0.069 | 0.044 | 1.60 | 1.23 - 2.08 | 6.47E-01 | 0.072 | 0.072 | 1.00 | 0.79 - 1.25 | 1.35 | 5.61E-03 | C15orf38-AP3S2(dist=25128), ZNF710(dist=63373) | intergenic |
| 15 | 90481937 | G | A | rs4932268 | 1.19E-05 | 0.069 | 0.044 | 1.60 | 1.23 - 2.08 | 6.46E-01 | 0.072 | 0.072 | 1.00 | 0.79 - 1.25 | 1.35 | 5.62E-03 | C15orf38-AP3S2(dist=25715), ZNF710(dist=62786) | intergenic |
| 8 | 124196394 | C | T | rs62521842 | 7.00E-01 | 0.056 | 0.053 | 1.08 | 0.82 - 1.41 | 4.23E-05 | 0.086 | 0.064 | 1.38 | 1.12 - 1.71 | 1.32 | 5.67E-03 | FAM83A | intronic |
| 1 | 198619859 | T | C | rs76306126 | 5.20E-05 | 0.044 | 0.025 | 1.78 | 1.27 - 2.48 | 9.58E-01 | 0.031 | 0.030 | 1.06 | 0.76 - 1.49 | 1.46 | 5.67E-03 | PTPRC | intronic |
| 3 | 64013342 | G | A | rs35838 | 7.08E-01 | 0.394 | 0.382 | 0.95 | 0.84 - 1.08 | 2.90E-05 | 0.349 | 0.409 | 1.30 | 1.15 - 1.46 | 1.14 | 5.68E-03 | PSMD6(dist=3656), PRICKLE2-AS1(dist=40298) | intergenic |
| 10 | 25579331 | A | T | rs78104485 | 6.14E-05 | 0.172 | 0.219 | 0.74 | 0.63 - 0.87 | 9.31E-01 | 0.191 | 0.192 | 1.00 | 0.86 - 1.15 | 0.83 | 5.69E-03 | GPR158 | intronic |
| 6 | 96852189 | G | C | rs9486165 | 9.61E-01 | 0.427 | 0.425 | 1.01 | 0.89 - 1.14 | 5.36E-05 | 0.464 | 0.418 | 1.21 | 1.07 - 1.36 | 1.14 | 5.70E-03 | FUT9(dist=188701), UFL1(dist=117513) | intergenic |
| 9 | 8831898 | T | C | rs7861223 | 2.22E-05 | 0.072 | 0.046 | 1.64 | 1.26 - 2.12 | 6.81E-01 | 0.042 | 0.042 | 1.00 | 0.75 - 1.34 | 1.36 | 5.70E-03 | PTPRD | intronic |
| 5 | 68304658 | C | A | rs4563578 | 9.50E-01 | 0.504 | 0.491 | 1.05 | 0.93 - 1.19 | 4.32E-05 | 0.520 | 0.449 | 0.75 | 0.67 - 0.85 | 0.88 | 5.72E-03 | LOC101928885 | ncRNA_intronic |
| 5 | 40960962 | A | T | rs12187430 | 5.77E-05 | 0.061 | 0.032 | 1.95 | 1.46 - 2.61 | 9.76E-01 | 0.045 | 0.050 | 0.91 | 0.69 - 1.2 | 1.37 | 5.72E-03 | C7 | intronic |
| 8 | 18393734 | A | C | rs115072991 | 5.92E-01 | 0.047 | 0.053 | 0.88 | 0.66 - 1.18 | 1.29E-05 | 0.075 | 0.045 | 1.73 | 1.37 - 2.19 | 1.34 | 5.73E-03 | PSD3 | intronic |
| 19 | 16095969 | T | C | rs10412406 | 3.28E-06 | 0.326 | 0.270 | 1.31 | 1.14 - 1.5 | 3.52E-01 | 0.237 | 0.237 | 1.00 | 0.87 - 1.15 | 1.17 | 5.73E-03 | OR10H4(dist=35201), LINC00661(dist=30475) | intergenic |
| 6 | 148948923 | G | A | rs12528752 | | | | | | | | | | | | | | |

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|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|----------|---------|-------|------|------|-------|------|----------|---|----------------|
| 10 | 49794718 | C | T | rs1345106 | 3.79E-05 | 0.274 | 0.211 | 1.41 | 1.22 | -1.63 | 8.05E-01 | 0.245 | 0.250 | 0.98 | 0.85 | -1.12 | 1.17 | 5.75E-03 | ARHGAP22 | intronic |
| 1 | 198606892 | G | C | rs114368190 | 5.95E-05 | 0.041 | 0.024 | 1.78 | 1.26 | -2.51 | 9.88E-01 | 0.031 | 0.029 | 1.08 | 0.77 | -1.52 | 1.48 | 5.77E-03 | ATP6V1G3(dist=96817), PTPRC(dist=1206) | intergenic |
| 17 | 33110481 | G | A | rs111515563 | 6.32E-05 | 0.048 | 0.080 | 0.58 | 0.44 | -0.76 | 8.21E-01 | 0.059 | 0.056 | 1.06 | 0.83 | -1.36 | 0.77 | 5.77E-03 | TMEM132E(dist=144139), CCT6B(dist=144397) | intergenic |
| 1 | 198153784 | T | A | rs75803260 | 9.78E-06 | 0.042 | 0.022 | 1.92 | 1.36 | -2.72 | 6.82E-01 | 0.027 | 0.027 | 1.00 | 0.7 | -1.44 | 1.48 | 5.80E-03 | NEK7 | intronic |
| 11 | 39330549 | G | A | rs150097779 | 1.03E-05 | 0.125 | 0.092 | 1.41 | 1.16 | -1.72 | 6.26E-01 | 0.090 | 0.088 | 1.02 | 0.83 | -1.25 | 1.25 | 5.80E-03 | LINC01493(dist=653750), LRRRC4C(dist=805202) | intergenic |
| 10 | 124511646 | A | G | rs10794612 | 3.31E-05 | 0.447 | 0.492 | 0.83 | 0.74 | -0.94 | 7.83E-01 | 0.491 | 0.474 | 0.93 | 0.83 | -1.05 | 0.88 | 5.83E-03 | C10orf120(dist=52308), DMBT1P1(dist=4564) | intergenic |
| 3 | 168390304 | G | A | rs13079357 | 8.01E-01 | 0.114 | 0.106 | 0.92 | 0.76 | -1.12 | 4.94E-05 | 0.163 | 0.132 | 0.79 | 0.67 | -0.92 | 0.82 | 5.87E-03 | EGFEM1P | ncRNA_intronic |
| 13 | 100428884 | T | C | rs7998536 | 8.17E-01 | 0.266 | 0.268 | 1.01 | 0.88 | -1.16 | 5.10E-05 | 0.224 | 0.273 | 1.30 | 1.13 | -1.49 | 1.15 | 5.88E-03 | LOC101927437 | ncRNA_intronic |
| 19 | 51370543 | A | C | rs2739468 | 6.76E-01 | 0.330 | 0.332 | 1.01 | 0.89 | -1.15 | 4.47E-05 | 0.389 | 0.336 | 0.79 | 0.7 | -0.9 | 0.88 | 5.92E-03 | KLK3(dist=6523), KLK2(dist=6146) | intergenic |
| 9 | 36123655 | A | G | rs74725990 | 3.12E-05 | 0.104 | 0.073 | 1.48 | 1.19 | -1.83 | 9.76E-01 | 0.086 | 0.081 | 1.07 | 0.87 | -1.32 | 1.25 | 5.95E-03 | RECK(NM_021111:c.*613A>G) | UTR3 |
| 5 | 117767075 | A | T | rs56899033 | 6.79E-01 | 0.072 | 0.079 | 0.90 | 0.71 | -1.15 | 1.13E-05 | 0.098 | 0.063 | 1.62 | 1.32 | -1.99 | 1.29 | 5.96E-03 | LOC101927280 | ncRNA_intronic |
| 2 | 102946677 | A | G | rs56192435 | 8.67E-01 | 0.095 | 0.084 | 1.14 | 0.92 | -1.42 | 5.90E-05 | 0.075 | 0.118 | 0.60 | 0.49 | -0.75 | 0.81 | 5.96E-03 | IL1RL1 | intronic |
| 14 | 63896998 | G | A | rs146696178 | 2.43E-05 | 0.038 | 0.021 | 1.84 | 1.28 | -2.63 | 7.08E-01 | 0.024 | 0.024 | 0.99 | 0.68 | -1.45 | 1.56 | 5.97E-03 | PPP2R5E | intronic |
| 14 | 56248455 | G | A | rs4144657 | 9.87E-01 | 0.089 | 0.091 | 0.98 | 0.79 | -1.22 | 2.96E-05 | 0.064 | 0.090 | 0.69 | 0.54 | -0.87 | 0.77 | 6.00E-03 | LINC00520 | ncRNA_exonic |
| 19 | 51369587 | C | G | rs2569737 | 6.75E-01 | 0.330 | 0.332 | 1.01 | 0.89 | -1.15 | 4.59E-05 | 0.389 | 0.336 | 0.79 | 0.7 | -0.9 | 0.88 | 6.02E-03 | KLK3(dist=5567), KLK2(dist=7102) | intergenic |
| 4 | 122544530 | C | T | rs11728410 | 5.37E-01 | 0.247 | 0.237 | 1.06 | 0.92 | -1.22 | 1.58E-05 | 0.212 | 0.271 | 0.72 | 0.63 | -0.83 | 0.86 | 6.03E-03 | QRFPR(dist=242349), ANXA5(dist=44622) | intergenic |
| 9 | 36088339 | A | G | rs60096383 | 5.12E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.77E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.06E-03 | RECK | intronic |
| 9 | 36088354 | A | C | rs78481188 | 5.12E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.77E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.06E-03 | RECK | intronic |
| 9 | 36088126 | A | G | rs61240705 | 5.12E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.78E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.06E-03 | RECK | intronic |
| 9 | 36087269 | A | G | rs7044585 | 5.12E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.78E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.07E-03 | RECK | intronic |
| 9 | 36086548 | C | G | rs113120175 | 5.12E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.78E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.07E-03 | RECK | intronic |
| 13 | 109666357 | G | A | rs140914207 | 3.54E-05 | 0.054 | 0.033 | 1.65 | 1.23 | -2.23 | 6.75E-01 | 0.032 | 0.033 | 0.98 | 0.71 | -1.37 | 1.43 | 6.08E-03 | MYO16 | intronic |
| 9 | 36085765 | G | A | rs7864265 | 5.12E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.79E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.08E-03 | RECK | intronic |
| 1 | 104414365 | G | A | rs7546561 | 9.19E-01 | 0.177 | 0.171 | 1.04 | 0.88 | -1.22 | 5.59E-05 | 0.219 | 0.188 | 1.21 | 1.05 | -1.4 | 1.19 | 6.11E-03 | AMY1A(dist=113054), LOC100129138(dist=201280) | intergenic |
| 9 | 36082548 | T | C | rs6476521 | 5.13E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.81E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.11E-03 | RECK | intronic |
| 18 | 72271712 | T | A | rs7507023 | 2.35E-05 | 0.135 | 0.187 | 1.47 | 1.24 | -1.75 | 7.17E-01 | 0.160 | 0.155 | 0.97 | 0.82 | -1.14 | 1.18 | 6.11E-03 | LINC00909(dist=6641), ZNF407(dist=71207) | intergenic |
| 14 | 104941720 | G | A | rs114756268 | 9.99E-01 | 0.046 | 0.048 | 0.97 | 0.72 | -1.3 | 3.16E-05 | 0.054 | 0.033 | 1.66 | 1.26 | -2.18 | 1.44 | 6.11E-03 | KIF26A(dist=294485), C14orf180(dist=104301) | intergenic |
| 9 | 36080488 | G | A | rs7045429 | 5.13E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.81E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.12E-03 | RECK | intronic |
| 16 | 85089570 | A | C | rs11647328 | 8.43E-01 | 0.398 | 0.384 | 0.94 | 0.83 | -1.07 | 5.83E-05 | 0.355 | 0.422 | 1.33 | 1.18 | -1.5 | 1.14 | 6.12E-03 | KIAA0513 | intronic |
| 19 | 16087057 | C | T | rs28739565 | 6.93E-06 | 0.328 | 0.273 | 1.30 | 1.14 | -1.49 | 3.84E-01 | 0.243 | 0.242 | 1.01 | 0.88 | -1.15 | 1.17 | 6.13E-03 | OR10H4(dist=26289), LINC00661(dist=39387) | intergenic |
| 9 | 36079682 | G | A | rs7033789 | 5.13E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.82E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.13E-03 | RECK | intronic |
| 9 | 36070001 | T | G | rs77056327 | 5.08E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.84E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.13E-03 | RECK | intronic |
| 9 | 36079437 | G | C | rs7033516 | 5.14E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.82E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.14E-03 | RECK | intronic |
| 9 | 36079443 | C | T | rs7033299 | 5.14E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.82E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.14E-03 | RECK | intronic |
| 9 | 36078464 | C | G | rs78729864 | 5.14E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.83E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.15E-03 | RECK | intronic |
| 9 | 36078782 | G | A | rs7857218 | 5.14E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.83E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.15E-03 | RECK | intronic |
| 9 | 36078286 | G | T | rs76361447 | 5.14E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.83E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.15E-03 | RECK | intronic |
| 9 | 36069584 | A | C | rs80006684 | 5.13E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.84E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.15E-03 | RECK | intronic |
| 9 | 36069279 | G | A | rs111788582 | 5.14E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.84E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.15E-03 | RECK | intronic |
| 4 | 92464138 | G | C | rs9995601 | 4.63E-01 | 0.081 | 0.087 | 0.92 | 0.73 | -1.15 | 6.31E-06 | 0.119 | 0.078 | 1.60 | 1.32 | -1.93 | 1.26 | 6.15E-03 | CCSER1 | intronic |
| 9 | 36076713 | T | A | rs78032771 | 5.13E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.83E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.15E-03 | RECK | intronic |
| 16 | 85089684 | A | G | rs11647376 | 8.43E-01 | 0.398 | 0.384 | 0.94 | 0.83 | -1.07 | 5.87E-05 | 0.355 | 0.422 | 1.33 | 1.18 | -1.5 | 1.14 | 6.15E-03 | KIAA0513 | intronic |
| 9 | 36066856 | A | G | rs10511926 | 5.16E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.83E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.15E-03 | RECK | intronic |
| 9 | 36075306 | C | A | rs7873427 | 5.12E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.84E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.16E-03 | RECK | intronic |
| 9 | 36075393 | A | G | rs7873363 | 5.12E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.84E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.16E-03 | RECK | intronic |
| 9 | 36071408 | T | C | rs74890745 | 5.12E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.84E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.16E-03 | RECK | intronic |
| 9 | 36074919 | G | T | rs7870134 | 5.12E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.84E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.16E-03 | RECK | intronic |
| 9 | 36074073 | G | A | rs78228680 | 5.12E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.85E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.17E-03 | RECK | intronic |
| 8 | 128430501 | C | T | rs34668661 | 9.02E-01 | 0.128 | 0.121 | 1.06 | 0.88 | -1.28 | 5.39E-05 | 0.091 | 0.129 | 0.68 | 0.56 | -0.83 | 0.82 | 6.19E-03 | CASC8 | ncRNA_intronic |
| 17 | 33153010 | G | A | rs118008163 | 3.37E-05 | 0.048 | 0.082 | 0.57 | 0.43 | -0.74 | 6.85E-01 | 0.062 | 0.058 | 1.09 | 0.85 | -1.39 | 0.77 | 6.20E-03 | TMEM132E(dist=186668), CCT6B(dist=101868) | intergenic |
| 4 | 35969905 | G | A | rs1714088 | 5.72E-06 | 0.172 | 0.121 | 0.66 | 0.56 | -0.79 | 6.84E-01 | 0.152 | 0.166 | 1.11 | 0.94 | -1.3 | 0.84 | 6.21E-03 | LOC101928622(dist=1928390), ARAP2(dist=97715) | intergenic |
| 8 | 124198673 | C | T | rs62521844 | 6.67E-01 | 0.056 | 0.053 | 1.06 | 0.81 | -1.4 | 4.15E-05 | 0.086 | 0.064 | 1.38 | 1.11 | -1.71 | 1.32 | 6.21E-03 | FAM83A | intronic |
| 8 | 38818557 | T | G | rs56300006 | 6.39E-01 | 0.077 | 0.087 | 0.88 | 0.7 | -1.11 | 1.35E-05 | 0.115 | 0.076 | 1.57 | 1.3 | -1.9 | 1.26 | 6.23E-03 | PLEKHA2 | intronic |
| 8 | 38819805 | G | A | rs73674665 | 6.35E-01 | 0.077 | 0.087 | 0.88 | 0.7 | -1.11 | 1.30E-05 | 0.115 | 0.076 | 1.57 | 1.3 | -1.9 | 1.26 | 6.23E-03 | PLEKHA2 | intronic |
| 9 | 14269426 | G | C | rs116783483 | 8.80E-01 | 0.028 | 0.031 | 0.90 | 0.63 | -1.31 | 2.23E-05 | 0.041 | 0.023 | 1.80 | 1.31 | -2.47 | 1.53 | 6.24E-03 | NFIB | intronic |
| 9 | 35419179 | G | A | rs76843223 | 6.85E-01 | 0.041 | 0.042 | 0.97 | 0.71 | -1.32 | 1.18E-05 | 0.056 | 0.034 | 1.68 | 1.29 | -2.2 | 1.40 | 6.24E-03 | ATP8B5P | ncRNA_intronic |
| 9 | 36065718 | A | G | rs78998877 | 5.29E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.84E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.24E-03 | RECK | intronic |
| 9 | 36064398 | T | C | rs7037965 | 5.30E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.84E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.25E-03 | RECK | intronic |
| 9 | 36063889 | T | C | rs16932881 | 5.31E-05 | 0.104 | 0.073 | 1.47 | 1.18 | -1.82 | 9.84E-01 | 0.083</ | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 19 | 16086403 | A | T | rs73509820 | 1.29E-05 | 0.367 | 0.311 | 1.28 | 1.13 | -1.46 | 4.98E-01 | 0.280 | 0.276 | 1.02 | 0.9 | -1.16 | 1.16 | 6.35E-03 | OR10H4(dist=25635), LINC00661(dist=40041) | intergenic |
| 10 | 25579144 | C | G | rs79708540 | 6.34E-05 | 0.169 | 0.217 | 0.74 | 0.63 | -0.87 | 9.50E-01 | 0.189 | 0.189 | 1.00 | 0.86 | -1.16 | 0.83 | 6.35E-03 | GPR158 | intronic |
| 19 | 16086390 | A | C | rs76188286 | 1.29E-05 | 0.367 | 0.311 | 1.28 | 1.13 | -1.46 | 4.98E-01 | 0.280 | 0.276 | 1.02 | 0.9 | -1.16 | 1.16 | 6.36E-03 | OR10H4(dist=25622), LINC00661(dist=40054) | intergenic |
| 5 | 40983057 | G | T | rs60001990 | 3.71E-05 | 0.061 | 0.032 | 1.98 | 1.48 | -2.65 | 9.15E-01 | 0.048 | 0.054 | 0.90 | 0.68 | -1.17 | 1.36 | 6.37E-03 | C7 | downstream |
| 5 | 117862938 | A | G | rs4587104 | 8.32E-01 | 0.125 | 0.114 | 0.90 | 0.74 | -1.09 | 5.87E-05 | 0.109 | 0.159 | 1.55 | 1.29 | -1.86 | 1.21 | 6.40E-03 | LOC101927280 | ncRNA_intronic |
| 9 | 36123129 | T | G | rs7042392 | 3.67E-05 | 0.104 | 0.073 | 1.47 | 1.19 | -1.83 | 9.78E-01 | 0.086 | 0.081 | 1.07 | 0.86 | -1.32 | 1.25 | 6.43E-03 | RECK(NM_021111:c."87T>G) | UTR3 |
| 17 | 33264298 | T | C | rs115194317 | 5.96E-05 | 0.049 | 0.082 | 0.57 | 0.44 | -0.75 | 8.07E-01 | 0.063 | 0.059 | 1.07 | 0.84 | -1.36 | 0.78 | 6.43E-03 | CCT6B | intronic |
| 17 | 33196834 | G | A | rs116740585 | 5.97E-05 | 0.049 | 0.082 | 0.57 | 0.44 | -0.75 | 8.04E-01 | 0.063 | 0.059 | 1.07 | 0.84 | -1.36 | 0.78 | 6.43E-03 | TMEM132E(dist=230492), CCT6B(dist=58044) | intergenic |
| 1 | 198638542 | G | C | rs76317261 | 4.64E-05 | 0.043 | 0.024 | 1.81 | 1.29 | -2.54 | 9.25E-01 | 0.032 | 0.030 | 1.05 | 0.75 | -1.47 | 1.44 | 6.44E-03 | PTPRC | intronic |
| 9 | 36062456 | T | C | rs7029409 | 5.68E-05 | 0.104 | 0.074 | 1.46 | 1.18 | -1.81 | 9.87E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.26 | 6.50E-03 | RECK | intronic |
| 16 | 85090307 | G | A | rs9939536 | 8.30E-01 | 0.399 | 0.384 | 0.94 | 0.83 | -1.07 | 6.09E-05 | 0.356 | 0.424 | 1.33 | 1.18 | -1.5 | 1.14 | 6.52E-03 | KIAA0513 | intronic |
| 17 | 33210734 | A | G | rs116509107 | 6.28E-05 | 0.049 | 0.082 | 0.57 | 0.44 | -0.75 | 8.11E-01 | 0.063 | 0.059 | 1.07 | 0.84 | -1.36 | 0.78 | 6.54E-03 | TMEM132E(dist=244392), CCT6B(dist=44144) | intergenic |
| 1 | 198258187 | G | C | rs115359978 | 5.94E-05 | 0.051 | 0.030 | 1.73 | 1.27 | -2.36 | 9.42E-01 | 0.037 | 0.035 | 1.06 | 0.78 | -1.45 | 1.40 | 6.56E-03 | NEK7 | intronic |
| 2 | 65950183 | C | A | rs62139656 | 3.33E-05 | 0.057 | 0.071 | 0.79 | 0.61 | -1.02 | 6.51E-01 | 0.070 | 0.075 | 0.94 | 0.75 | -1.18 | 0.72 | 6.56E-03 | SPRED2(dist=290527), MIR4778(dist=635198) | intergenic |
| 2 | 69847898 | C | G | rs114249509 | 6.58E-06 | 0.051 | 0.029 | 1.84 | 1.35 | -2.52 | 5.05E-01 | 0.028 | 0.030 | 0.92 | 0.65 | -1.31 | 1.43 | 6.62E-03 | AAK1 | intronic |
| 9 | 36080077 | G | T | rs7044935 | 5.28E-05 | 0.102 | 0.072 | 1.47 | 1.18 | -1.82 | 9.93E-01 | 0.081 | 0.076 | 1.07 | 0.86 | -1.32 | 1.26 | 6.65E-03 | RECK | intronic |
| 5 | 117742601 | G | A | rs114736670 | 6.08E-01 | 0.069 | 0.078 | 0.87 | 0.69 | -1.11 | 3.54E-06 | 0.088 | 0.053 | 1.71 | 1.37 | -2.12 | 1.30 | 6.66E-03 | LOC101927280 | ncRNA_intronic |
| 5 | 117742617 | C | T | rs115318991 | 6.09E-01 | 0.069 | 0.078 | 0.87 | 0.69 | -1.11 | 3.54E-06 | 0.088 | 0.053 | 1.71 | 1.37 | -2.12 | 1.30 | 6.66E-03 | LOC101927280 | ncRNA_intronic |
| 9 | 8829806 | G | C | rs115850002 | 1.78E-05 | 0.080 | 0.051 | 1.62 | 1.26 | -2.07 | 6.95E-01 | 0.051 | 0.050 | 1.01 | 0.77 | -1.32 | 1.31 | 6.68E-03 | PTPRD | intronic |
| 2 | 69835516 | A | G | rs79146779 | 2.05E-06 | 0.053 | 0.029 | 1.86 | 1.37 | -2.53 | 4.09E-01 | 0.031 | 0.034 | 0.91 | 0.65 | -1.27 | 1.41 | 6.69E-03 | AAK1 | intronic |
| 1 | 28590691 | T | G | rs4515102 | 9.46E-01 | 0.332 | 0.328 | 0.98 | 0.86 | -1.12 | 4.96E-05 | 0.375 | 0.334 | 0.84 | 0.74 | -0.94 | 0.87 | 6.72E-03 | SESN2 | intronic |
| 1 | 198636882 | T | A | rs77343094 | 6.07E-05 | 0.043 | 0.024 | 1.79 | 1.28 | -2.52 | 9.35E-01 | 0.032 | 0.030 | 1.05 | 0.75 | -1.48 | 1.44 | 6.77E-03 | PTPRC | intronic |
| 4 | 68196681 | G | A | rs873173 | 4.97E-01 | 0.255 | 0.263 | 0.96 | 0.83 | -1.1 | 1.43E-05 | 0.293 | 0.242 | 1.30 | 1.14 | -1.48 | 1.15 | 6.78E-03 | MIR1269A(dist=1054035), LOC101927237(dist=86342) | intergenic |
| 2 | 212366838 | T | C | rs59546274 | 7.90E-01 | 0.170 | 0.171 | 0.99 | 0.84 | -1.17 | 4.64E-05 | 0.180 | 0.142 | 1.32 | 1.13 | -1.54 | 1.21 | 6.79E-03 | ERBB4 | intronic |
| 4 | 35969632 | T | C | rs1714089 | 5.03E-06 | 0.170 | 0.119 | 0.66 | 0.55 | -0.78 | 6.39E-01 | 0.145 | 0.160 | 1.12 | 0.95 | -1.32 | 0.84 | 6.80E-03 | LOC101928622(dist=1928117), ARAP2(dist=97988) | intergenic |
| 12 | 44231547 | C | T | rs79840824 | 6.76E-01 | 0.066 | 0.072 | 0.90 | 0.71 | -1.16 | 4.31E-05 | 0.099 | 0.062 | 1.65 | 1.34 | -2.02 | 1.27 | 6.81E-03 | TMEM117 | intronic |
| 17 | 33294069 | G | A | rs141340287 | 6.20E-05 | 0.049 | 0.082 | 0.57 | 0.44 | -0.75 | 8.05E-01 | 0.064 | 0.060 | 1.07 | 0.84 | -1.36 | 0.78 | 6.81E-03 | ZNF830(dist=3864), LIG3(dist=13448) | intergenic |
| 12 | 84881410 | T | A | rs11116421 | 4.75E-05 | 0.150 | 0.198 | 0.71 | 0.6 | -0.85 | 9.72E-01 | 0.182 | 0.185 | 0.98 | 0.84 | -1.14 | 0.86 | 6.81E-03 | TMTC2(dist=1353343), SLC6A15(dist=371857) | intergenic |
| 13 | 109658721 | A | G | rs149322523 | 4.58E-05 | 0.064 | 0.042 | 1.54 | 1.18 | -2.03 | 6.71E-01 | 0.038 | 0.039 | 0.98 | 0.72 | -1.32 | 1.39 | 6.82E-03 | MYO16 | intronic |
| 16 | 69117345 | C | T | rs115966379 | 1.20E-05 | 0.018 | 0.045 | 0.39 | 0.26 | -0.6 | 5.18E-01 | 0.031 | 0.027 | 1.16 | 0.82 | -1.63 | 0.69 | 6.82E-03 | TANGO6 | intronic |
| 10 | 124511471 | C | G | rs10751756 | 4.64E-05 | 0.434 | 0.479 | 0.83 | 0.74 | -0.94 | 7.90E-01 | 0.499 | 0.481 | 0.93 | 0.83 | -1.05 | 0.88 | 6.84E-03 | C10orf120(dist=52133), DMBT1P1(dist=4739) | intergenic |
| 4 | 99778952 | G | A | rs112341326 | 5.89E-05 | 0.184 | 0.145 | 1.33 | 1.13 | -1.57 | 8.35E-01 | 0.152 | 0.142 | 1.08 | 0.92 | -1.28 | 1.19 | 6.84E-03 | TSPAN5(dist=199140), EIF4E(dist=20655) | intergenic |
| 1 | 198125006 | C | T | rs60001478 | 1.79E-05 | 0.046 | 0.026 | 1.84 | 1.32 | -2.55 | 7.23E-01 | 0.030 | 0.030 | 1.01 | 0.72 | -1.43 | 1.43 | 6.86E-03 | LHX9(dist=225733), NEK7(dist=1102) | intergenic |
| 13 | 109664103 | C | T | rs142111694 | 4.16E-05 | 0.054 | 0.034 | 1.64 | 1.22 | -2.21 | 6.58E-01 | 0.033 | 0.033 | 0.98 | 0.7 | -1.36 | 1.42 | 6.86E-03 | MYO16 | intronic |
| 1 | 30277668 | G | A | rs4949477 | 9.32E-06 | 0.333 | 0.392 | 0.78 | 0.68 | -0.88 | 4.35E-01 | 0.390 | 0.387 | 1.01 | 0.9 | -1.14 | 0.87 | 6.94E-03 | LOC101928460(dist=601042), LOC101929406(dist=209131) | intergenic |
| 7 | 157986458 | T | C | rs1806612,rs386720284 | 9.22E-01 | 0.315 | 0.301 | 0.94 | 0.82 | -1.07 | 5.19E-05 | 0.301 | 0.359 | 1.30 | 1.15 | -1.48 | 1.15 | 6.98E-03 | PTPRN2 | intronic |
| 8 | 89295499 | C | T | rs7833392 | 4.05E-01 | 0.131 | 0.129 | 1.01 | 0.84 | -1.21 | 6.11E-06 | 0.083 | 0.119 | 0.67 | 0.55 | -0.83 | 0.82 | 6.98E-03 | MMP16 | intronic |
| 9 | 36049379 | G | A | rs7860959 | 6.46E-05 | 0.104 | 0.074 | 1.46 | 1.18 | -1.81 | 9.94E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.25 | 6.98E-03 | RECK | intronic |
| 2 | 195973276 | A | C | rs2569912 | 6.31E-05 | 0.246 | 0.206 | 1.26 | 1.09 | -1.46 | 7.18E-01 | 0.194 | 0.187 | 1.05 | 0.9 | -1.21 | 1.18 | 6.98E-03 | LOC101927431(dist=347117), SLC39A10(dist=548256) | intergenic |
| 9 | 36048382 | T | G | rs77020402 | 6.45E-05 | 0.104 | 0.074 | 1.46 | 1.18 | -1.81 | 9.95E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.25 | 6.99E-03 | RECK | intronic |
| 9 | 36048310 | C | A | rs74830818 | 6.46E-05 | 0.104 | 0.074 | 1.46 | 1.18 | -1.81 | 9.95E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.25 | 6.99E-03 | RECK | intronic |
| 19 | 51368504 | C | T | rs4141856 | 6.66E-01 | 0.329 | 0.331 | 1.01 | 0.89 | -1.15 | 5.72E-05 | 0.388 | 0.336 | 0.80 | 0.71 | -0.9 | 0.88 | 6.99E-03 | KLK3(dist=4484), KLK2(dist=8185) | intergenic |
| 4 | 35967940 | T | C | rs1616925 | 5.63E-06 | 0.169 | 0.119 | 0.66 | 0.55 | -0.79 | 6.41E-01 | 0.145 | 0.160 | 1.12 | 0.95 | -1.32 | 0.84 | 7.10E-03 | LOC101928622(dist=1926425), ARAP2(dist=99680) | intergenic |
| 16 | 84858634 | C | T | rs138324317 | 9.23E-01 | 0.055 | 0.059 | 0.93 | 0.71 | -1.22 | 2.87E-05 | 0.065 | 0.042 | 1.57 | 1.23 | -2.01 | 1.40 | 7.11E-03 | CRISPLD2 | intronic |
| 10 | 58730891 | C | T | rs4338456 | 3.43E-05 | 0.436 | 0.353 | 1.42 | 1.25 | -1.61 | 8.36E-01 | 0.404 | 0.411 | 0.97 | 0.86 | -1.09 | 1.14 | 7.14E-03 | ZWINT(dist=609857), MIR3924(dist=333348) | intergenic |
| 15 | 33014770 | T | A | rs78926726 | 1.20E-05 | 0.064 | 0.042 | 1.57 | 1.2 | -2.07 | 7.54E-01 | 0.055 | 0.054 | 1.02 | 0.79 | -1.32 | 1.34 | 7.14E-03 | GREM1 | intronic |
| 10 | 58712223 | A | G | rs10740694 | 2.76E-05 | 0.443 | 0.359 | 1.42 | 1.25 | -1.61 | 8.70E-01 | 0.411 | 0.419 | 0.97 | 0.86 | -1.09 | 1.14 | 7.20E-03 | ZWINT(dist=591189), MIR3924(dist=352016) | intergenic |
| 5 | 65446273 | G | T | rs12523007 | 4.98E-01 | 0.086 | 0.078 | 1.11 | 0.89 | -1.39 | 1.31E-05 | 0.060 | 0.097 | 0.59 | 0.47 | -0.75 | 0.80 | 7.23E-03 | SREK1 | intronic |
| 13 | 46728597 | G | A | rs56797349 | 8.95E-01 | 0.036 | 0.037 | 0.96 | 0.69 | -1.34 | 5.91E-05 | 0.039 | 0.022 | 1.77 | 1.28 | -2.45 | 1.57 | 7.23E-03 | LCP1 | intronic |
| 4 | 35966940 | T | A | rs1714090 | 5.86E-06 | 0.169 | 0.119 | 0.66 | 0.56 | -0.79 | 6.42E-01 | 0.145 | 0.160 | 1.12 | 0.95 | -1.32 | 0.84 | 7.23E-03 | LOC101928622(dist=1925425), ARAP2(dist=100680) | intergenic |
| 14 | 105081712 | T | A | rs7147154 | 2.48E-01 | 0.154 | 0.168 | 1.11 | 0.93 | -1.31 | 1.89E-06 | 0.211 | 0.156 | 0.69 | 0.6 | -0.8 | 0.85 | 7.29E-03 | TMEM179(dist=10615), MIR4710(dist=62319) | intergenic |
| 9 | 36048592 | G | T | rs111264281 | 6.22E-05 | 0.104 | 0.074 | 1.44 | 1.17 | -1.79 | 9.95E-01 | 0.083 | 0.078 | 1.07 | 0.86 | -1.32 | 1.25 | 7.30E-03 | RECK | intronic |
| 5 | 54317111 | G | A | rs4865910 | 8.42E-01 | 0.407 | 0.393 | 0.94 | 0.83 | -1.07 | 5.86E-05 | 0.371 | 0.435 | 1.31 | 1.16 | -1.47 | 1.15 | 7.32E-03 | LOC102467081 | downstream |
| 10 | 15423620 | T | C | rs17360549 | 6.11E-01 | 0.079 | 0.077 | 1.03 | 0.82 | -1.29 | 5.18E-05 | 0.105 | 0.077 | 1.40 | 1.15 | -1.7 | 1.26 | 7.34E-03 | FAM171A1(dist=10562), ITGA8(dist=132328) | intergenic |
| 10 | 58733817 | T | C | rs11817040 | 2.18E-05 | 0.439 | 0.354 | 1.43 | 1.26 | -1.62 | 9.17E-01 | 0.405 | 0.413 | 0.97 | 0.86 | -1.09 | 1.14 | 7.38E-03 | ZWINT(dist=612783), MIR3924(dist=330422) | intergenic |
| 8 | 18414418 | G | C | rs80104635 | 5.62E-01 | 0.046 | 0.052 | 0.88 | 0.66 | -1.18 | 1.45E-05 | 0.073 | 0.044 | 1.73 | 1.36 | -2.19 | 1.33 | 7.42E-03 | PSD3 | intronic |
| 8 | 18414499 | T | C | rs116583224 | 5.62E-01 | 0.046 | 0.052 | 0.88 | 0.66 | -1.18 | 1.46E-05 | 0.073 | 0.044 | 1.73 | 1.36 | -2.19 | 1.33 | 7.44E-03 | PSD3 | intronic |
| 8 | 10005640 | G | A | rs73530948 | 3.01E-05 | 0.054 | 0 | | | | | | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 4 | 35962693 | G | T | rs1714099 | 6.45E-06 | 0.170 | 0.119 | 0.66 | 0.56 | -0.79 | 6.38E-01 | 0.145 | 0.160 | 1.12 | 0.95 | -1.32 | 0.84 | 7.71E-03 | LOC101928622(dist=1921178), ARAP2(dist=104927) | intergenic |
| 18 | 72266492 | G | A | rs8099545 | 2.53E-05 | 0.139 | 0.190 | 1.45 | 1.22 | -1.72 | 6.11E-01 | 0.167 | 0.162 | 0.97 | 0.83 | -1.13 | 1.18 | 7.72E-03 | LINC00909(dist=1421), ZNF407(dist=76427) | intergenic |
| 14 | 56423445 | T | A | rs1188152 | 4.12E-01 | 0.400 | 0.407 | 1.03 | 0.91 | -1.17 | 7.32E-06 | 0.470 | 0.412 | 0.79 | 0.7 | -0.89 | 0.88 | 7.73E-03 | LINC00520(dist=160053), PELI2(dist=161648) | intergenic |
| 8 | 127601027 | G | A | rs17814990 | 6.06E-01 | 0.101 | 0.089 | 1.15 | 0.93 | -1.42 | 5.32E-06 | 0.172 | 0.151 | 1.17 | 1 | -1.36 | 1.26 | 7.73E-03 | FAM84B(dist=30316), PCAT1(dist=424372) | intergenic |
| 14 | 105081957 | G | C | rs6576054 | 2.68E-01 | 0.128 | 0.138 | 1.10 | 0.91 | -1.32 | 2.47E-06 | 0.174 | 0.126 | 0.68 | 0.58 | -0.8 | 0.84 | 7.76E-03 | TMEM179(dist=10860), MIR4710(dist=62074) | intergenic |
| 5 | 117793404 | C | T | rs72793511 | 6.34E-01 | 0.169 | 0.180 | 0.92 | 0.78 | -1.09 | 8.18E-06 | 0.213 | 0.161 | 1.41 | 1.22 | -1.63 | 1.18 | 7.81E-03 | LOC101927280 | ncRNA_intronic |
| 10 | 113943383 | T | C | rs74156594 | 6.28E-05 | 0.077 | 0.052 | 1.53 | 1.19 | -1.96 | 8.30E-01 | 0.055 | 0.051 | 1.08 | 0.84 | -1.4 | 1.33 | 7.82E-03 | GPAM | intronic |
| 5 | 37972576 | G | A | rs2136192 | 8.82E-01 | 0.410 | 0.406 | 1.02 | 0.9 | -1.16 | 6.13E-05 | 0.359 | 0.412 | 0.80 | 0.71 | -0.9 | 0.88 | 7.86E-03 | GDNF-AS1(dist=96676), EGFLAM(dist=285935) | intergenic |
| 8 | 89270241 | G | A | rs28904588 | 3.65E-01 | 0.125 | 0.123 | 1.02 | 0.85 | -1.23 | 6.73E-06 | 0.084 | 0.119 | 0.68 | 0.55 | -0.83 | 0.82 | 7.87E-03 | MMP16 | intronic |
| 18 | 48885245 | T | C | rs76613846 | 6.16E-05 | 0.022 | 0.045 | 0.48 | 0.33 | -0.71 | 8.18E-01 | 0.039 | 0.037 | 1.05 | 0.77 | -1.42 | 0.70 | 7.93E-03 | MEX3C(dist=161194), LOC100287225(dist=33167) | intergenic |
| 1 | 31155108 | C | T | rs11590948 | 2.66E-01 | 0.068 | 0.069 | 0.99 | 0.78 | -1.27 | 4.48E-06 | 0.125 | 0.099 | 1.30 | 1.08 | -1.56 | 1.27 | 8.01E-03 | LOC101929406(dist=644649), MATN1(dist=29016) | intergenic |
| 1 | 198145413 | A | C | rs74388251 | 2.21E-05 | 0.046 | 0.026 | 1.82 | 1.31 | -2.53 | 6.66E-01 | 0.031 | 0.031 | 1.00 | 0.71 | -1.4 | 1.43 | 8.02E-03 | NEK7 | intronic |
| 4 | 35965767 | C | T | rs7680842 | 5.91E-06 | 0.169 | 0.119 | 0.66 | 0.56 | -0.79 | 5.81E-01 | 0.147 | 0.163 | 1.13 | 0.96 | -1.33 | 0.84 | 8.04E-03 | LOC101928622(dist=1924252), ARAP2(dist=101853) | intergenic |
| 6 | 22500302 | C | T | rs113865402 | 7.12E-01 | 0.040 | 0.042 | 0.94 | 0.69 | -1.29 | 1.76E-05 | 0.060 | 0.036 | 1.69 | 1.3 | -2.19 | 1.38 | 8.06E-03 | PRL(dist=197220), HDGFL1(dist=69376) | intergenic |
| 13 | 43098060 | A | G | rs35906483 | 3.52E-05 | 0.188 | 0.240 | 0.73 | 0.63 | -0.86 | 6.43E-01 | 0.218 | 0.217 | 1.01 | 0.87 | -1.16 | 0.85 | 8.06E-03 | AKAP11(dist=200657), TNFSF11(dist=38812) | intergenic |
| 10 | 51518688 | A | C | rs2843546 | 7.28E-06 | 0.259 | 0.189 | 1.51 | 1.3 | -1.74 | 9.18E-01 | 0.221 | 0.232 | 0.94 | 0.82 | -1.08 | 1.17 | 8.08E-03 | TIMM23B | intronic |
| 10 | 51519516 | G | A | rs2611486 | 7.52E-06 | 0.259 | 0.188 | 1.51 | 1.3 | -1.74 | 9.22E-01 | 0.221 | 0.231 | 0.94 | 0.82 | -1.08 | 1.17 | 8.10E-03 | TIMM23B | intronic |
| 14 | 105084021 | A | T | rs10138987 | 2.83E-01 | 0.127 | 0.137 | 1.09 | 0.91 | -1.31 | 3.52E-06 | 0.173 | 0.125 | 0.68 | 0.58 | -0.8 | 0.84 | 8.11E-03 | TMEM179(dist=12924), MIR4710(dist=60010) | intergenic |
| 7 | 113541103 | C | T | rs3857834 | 6.40E-01 | 0.455 | 0.468 | 1.05 | 0.93 | -1.19 | 2.27E-05 | 0.494 | 0.431 | 0.78 | 0.69 | -0.87 | 0.88 | 8.11E-03 | PPP1R3A | intronic |
| 12 | 84899742 | C | T | rs1459609 | 4.12E-05 | 0.152 | 0.200 | 0.72 | 0.61 | -0.85 | 8.88E-01 | 0.185 | 0.187 | 0.98 | 0.85 | -1.14 | 0.86 | 8.12E-03 | TMTC2(dist=1371675), SLC6A15(dist=353525) | intergenic |
| 1 | 236911456 | T | C | rs41269357 | 8.16E-01 | 0.033 | 0.031 | 1.08 | 0.76 | -1.54 | 3.57E-05 | 0.042 | 0.029 | 1.47 | 1.08 | -1.99 | 1.56 | 8.18E-03 | ACTN2 | intronic |
| 10 | 58720080 | G | C | rs10825941 | 3.29E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 8.92E-01 | 0.405 | 0.413 | 0.97 | 0.86 | -1.09 | 1.14 | 8.18E-03 | ZWINT(dist=599046), MIR3924(dist=344159) | intergenic |
| 10 | 58722115 | C | T | rs2393188 | 3.29E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 8.92E-01 | 0.405 | 0.413 | 0.97 | 0.86 | -1.09 | 1.14 | 8.18E-03 | ZWINT(dist=601081), MIR3924(dist=342124) | intergenic |
| 10 | 58721898 | C | T | rs2393187 | 3.29E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 8.92E-01 | 0.405 | 0.413 | 0.97 | 0.86 | -1.09 | 1.14 | 8.18E-03 | ZWINT(dist=600864), MIR3924(dist=342341) | intergenic |
| 10 | 58724480 | A | C | rs4341459 | 3.30E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 8.92E-01 | 0.405 | 0.413 | 0.97 | 0.86 | -1.09 | 1.14 | 8.19E-03 | ZWINT(dist=603446), MIR3924(dist=339759) | intergenic |
| 10 | 58716228 | G | A | rs11005588 | 3.38E-05 | 0.435 | 0.351 | 1.42 | 1.25 | -1.61 | 8.85E-01 | 0.403 | 0.411 | 0.97 | 0.86 | -1.09 | 1.14 | 8.19E-03 | ZWINT(dist=595194), MIR3924(dist=348011) | intergenic |
| 10 | 58725419 | A | G | rs2393193 | 3.30E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 8.92E-01 | 0.405 | 0.413 | 0.97 | 0.86 | -1.09 | 1.14 | 8.19E-03 | ZWINT(dist=604385), MIR3924(dist=338820) | intergenic |
| 1 | 204729758 | G | A | rs2093537;rs58903979 | 8.17E-01 | 0.154 | 0.165 | 0.92 | 0.78 | -1.09 | 5.96E-05 | 0.191 | 0.140 | 1.44 | 1.24 | -1.68 | 1.18 | 8.20E-03 | LRRN2(dist=75161), NFASC(dist=68024) | intergenic |
| 10 | 58725588 | T | A | rs2393194 | 3.30E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 8.93E-01 | 0.405 | 0.413 | 0.97 | 0.86 | -1.09 | 1.14 | 8.21E-03 | ZWINT(dist=604554), MIR3924(dist=338651) | intergenic |
| 19 | 30922026 | G | C | rs8111768 | 4.92E-05 | 0.356 | 0.312 | 1.22 | 1.07 | -1.38 | 7.75E-01 | 0.305 | 0.296 | 1.04 | 0.92 | -1.18 | 1.15 | 8.24E-03 | ZNF536 | intronic |
| 10 | 58730335 | T | C | rs7902645 | 3.35E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 8.93E-01 | 0.405 | 0.413 | 0.97 | 0.86 | -1.09 | 1.14 | 8.25E-03 | ZWINT(dist=609301), MIR3924(dist=333904) | intergenic |
| 10 | 58730105 | T | C | rs10825946 | 3.35E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 8.93E-01 | 0.405 | 0.413 | 0.97 | 0.86 | -1.09 | 1.14 | 8.25E-03 | ZWINT(dist=609071), MIR3924(dist=334134) | intergenic |
| 1 | 116247535 | G | C | rs3811005 | 7.09E-01 | 0.445 | 0.443 | 0.99 | 0.87 | -1.12 | 4.54E-05 | 0.484 | 0.436 | 0.82 | 0.73 | -0.93 | 0.89 | 8.26E-03 | CASQ2 | intronic |
| 1 | 72799779 | C | T | rs34601468 | 6.40E-01 | 0.204 | 0.200 | 1.02 | 0.88 | -1.19 | 1.89E-05 | 0.244 | 0.210 | 1.21 | 1.06 | -1.39 | 1.19 | 8.27E-03 | NEGR1(dist=51502), LINC01360(dist=972074) | intergenic |
| 13 | 43085599 | T | C | rs346601 | 1.82E-05 | 0.208 | 0.260 | 0.75 | 0.64 | -0.87 | 6.33E-01 | 0.235 | 0.235 | 1.00 | 0.87 | -1.15 | 0.86 | 8.30E-03 | AKAP11(dist=188196), TNFSF11(dist=51273) | intergenic |
| 3 | 168391645 | G | A | rs988230 | 6.95E-01 | 0.119 | 0.113 | 0.94 | 0.77 | -1.14 | 4.71E-05 | 0.163 | 0.132 | 0.78 | 0.67 | -0.92 | 0.83 | 8.34E-03 | EGFEM1P | ncRNA_intronic |
| 4 | 35971030 | T | C | rs56400266 | 3.03E-05 | 0.448 | 0.387 | 1.08 | 0.78 | -0.88 | 7.43E-01 | 0.404 | 0.413 | 1.04 | 0.92 | -1.17 | 0.89 | 8.34E-03 | LOC101928622(dist=1929515), ARAP2(dist=96590) | intergenic |
| 7 | 113560607 | T | A | rs7795394 | 6.80E-01 | 0.446 | 0.458 | 1.05 | 0.93 | -1.19 | 2.61E-05 | 0.500 | 0.439 | 0.78 | 0.7 | -0.88 | 0.88 | 8.42E-03 | PPP1R3A(dist=1525), NONE(dist=NONE) | intergenic |
| 10 | 58732583 | G | A | rs7099636 | 3.48E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 8.94E-01 | 0.405 | 0.413 | 0.97 | 0.86 | -1.09 | 1.14 | 8.43E-03 | ZWINT(dist=611549), MIR3924(dist=331656) | intergenic |
| 10 | 58732758 | T | C | rs2393198 | 3.48E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 8.94E-01 | 0.405 | 0.413 | 0.97 | 0.86 | -1.09 | 1.14 | 8.43E-03 | ZWINT(dist=611724), MIR3924(dist=331481) | intergenic |
| 10 | 58720012 | T | C | rs10825940 | 3.55E-05 | 0.436 | 0.353 | 1.42 | 1.25 | -1.61 | 8.92E-01 | 0.404 | 0.412 | 0.97 | 0.86 | -1.09 | 1.14 | 8.51E-03 | ZWINT(dist=598978), MIR3924(dist=344227) | intergenic |
| 2 | 129145704 | G | A | rs17016238 | 6.60E-01 | 0.078 | 0.072 | 1.10 | 0.87 | -1.39 | 3.92E-05 | 0.109 | 0.090 | 1.23 | 1.02 | -1.49 | 1.28 | 8.53E-03 | HS6ST1(dist=69533), LOC101927881(dist=476470) | intergenic |
| 1 | 26493240 | T | C | rs10794524 | 7.77E-01 | 0.408 | 0.401 | 1.03 | 0.91 | -1.17 | 5.23E-05 | 0.484 | 0.437 | 1.21 | 1.08 | -1.36 | 1.13 | 8.54E-03 | FAM110D(dist=4121), ZNF593(dist=3148) | intergenic |
| 12 | 117532098 | A | G | rs6490108 | 3.20E-05 | 0.434 | 0.507 | 0.75 | 0.66 | -0.85 | 8.72E-01 | 0.470 | 0.453 | 1.07 | 0.95 | -1.2 | 0.89 | 8.55E-03 | TESC | intronic |
| 4 | 40908232 | G | C | rs76171353 | 8.22E-01 | 0.070 | 0.076 | 0.93 | 0.73 | -1.18 | 3.98E-05 | 0.083 | 0.054 | 1.59 | 1.27 | -1.98 | 1.27 | 8.57E-03 | APBB2 | intronic |
| 9 | 8848537 | G | C | rs147013358 | 3.38E-05 | 0.082 | 0.055 | 1.55 | 1.22 | -1.97 | 7.50E-01 | 0.058 | 0.057 | 1.02 | 0.79 | -1.31 | 1.29 | 8.62E-03 | PTPRD | intronic |
| 16 | 59001592 | A | G | rs11864534 | 7.33E-01 | 0.067 | 0.073 | 0.91 | 0.71 | -1.16 | 7.99E-06 | 0.091 | 0.062 | 1.52 | 1.23 | -1.88 | 1.30 | 8.66E-03 | GOT2(dist=233331), APOOP5(dist=786453) | intergenic |
| 10 | 58715993 | C | G | rs12220886 | 3.28E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 9.12E-01 | 0.404 | 0.413 | 0.97 | 0.86 | -1.09 | 1.14 | 8.67E-03 | ZWINT(dist=594959), MIR3924(dist=348246) | intergenic |
| 10 | 58716020 | A | T | rs10825937;rs386744166 | 3.28E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 9.12E-01 | 0.404 | 0.413 | 0.97 | 0.86 | -1.09 | 1.14 | 8.67E-03 | ZWINT(dist=594986), MIR3924(dist=348219) | intergenic |
| 10 | 51506957 | C | T | rs2125771 | 1.26E-05 | 0.255 | 0.188 | 1.48 | 1.27 | -1.71 | 9.55E-01 | 0.231 | 0.240 | 0.95 | 0.83 | -1.09 | 1.17 | 8.67E-03 | TIMM23B | intronic |
| 10 | 58717358 | G | A | rs4579860 | 3.28E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 9.12E-01 | 0.404 | 0.413 | 0.97 | 0.86 | -1.09 | 1.14 | 8.67E-03 | ZWINT(dist=596324), MIR3924(dist=346881) | intergenic |
| 8 | 18429663 | C | T | rs2717756 | 3.88E-01 | 0.172 | 0.184 | 1.08 | 0.92 | -1.28 | 8.35E-06 | 0.216 | 0.167 | 0.73 | 0.63 | -0.85 | 0.84 | 8.79E-03 | PSD3 | intronic |
| 10 | 51500301 | A | G | rs2611502 | 7.05E-06 | 0.252 | 0.185 | 1.49 | 1.28 | -1.72 | 8.55E-01 | 0.226 | 0.236 | 0.94 | 0.82 | -1.08 | 1.17 | 8.82E-03 | TIMM23B | intronic |
| 8 | 89298829 | G | A | rs57136992 | 3.06E-01 | 0.129 | 0.126 | 1.03 | 0.86 | -1.24 | 4.35E-06 | 0.083 | 0.120 | 0.67 | 0.54 | -0.82 | 0.83 | 8.83E-03 | MMP16 | intronic |
| 8 | 98896088 | T | G | rs57438375 | 1.00E-05 | 0.247 | 0.206 | 1.27 | 1.09 | -1.47 | 5.93E-01 | 0.202 | 0.196 | 1.03 | 0.89 | -1.2 | 1.17 | 8.83E-03 | MATN2 | intronic |
| 7 | 113505111 | A | T | rs61075694 | 6.62E-01 | 0.307 | 0.314 | 0.97 | 0.85 | -1.11 | 3.17E-05 | 0.357 | 0.303 | 1.28 | 1.13 | -1.45 | 1.14 | 8.86E-03 | LINC00998(dist=746474), PPP1R3A(dist=11771) | intergenic |
| 8 | 18413 | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 9 | 8840025 | C | T | rs114225637;rs386732387 | 3.54E-05 | 0.078 | 0.051 | 1.58 | 1.23 | -2.03 | 7.28E-01 | 0.050 | 0.050 | 1.01 | 0.77 | -1.32 | 1.30 | 8.99E-03 | PTPRD | intronic |
| 17 | 74279445 | T | C | rs4789267 | 8.67E-01 | 0.214 | 0.203 | 0.94 | 0.8 | -1.09 | 2.33E-05 | 0.251 | 0.221 | 0.85 | 0.74 | -0.97 | 0.85 | 8.99E-03 | QRICH2 | intronic |
| 19 | 30033739 | T | C | rs79364176 | 1.46E-06 | 0.084 | 0.055 | 1.57 | 1.24 | -2 | 3.49E-01 | 0.064 | 0.067 | 0.95 | 0.75 | -1.21 | 1.32 | 9.00E-03 | VSTM2B | intronic |
| 4 | 92460125 | T | C | rs28368732 | 5.93E-01 | 0.106 | 0.112 | 0.94 | 0.77 | -1.15 | 3.71E-05 | 0.143 | 0.100 | 1.50 | 1.26 | -1.78 | 1.21 | 9.01E-03 | CCSER1 | intronic |
| 10 | 58714828 | A | G | rs6481242 | 2.81E-05 | 0.435 | 0.351 | 1.42 | 1.25 | -1.62 | 9.52E-01 | 0.403 | 0.412 | 0.96 | 0.85 | -1.08 | 1.14 | 9.03E-03 | ZWINT(dist=593794), MIR3924(dist=349411) | intergenic |
| 2 | 102960281 | C | G | rs3821204 | 5.95E-01 | 0.099 | 0.086 | 1.17 | 0.95 | -1.45 | 3.47E-05 | 0.075 | 0.120 | 0.60 | 0.48 | -0.74 | 0.82 | 9.06E-03 | IL1RL1 | UTR3 |
| 3 | 57059326 | T | C | rs77863260 | 2.39E-05 | 0.088 | 0.060 | 1.50 | 1.19 | -1.89 | 5.63E-01 | 0.064 | 0.065 | 1.00 | 0.79 | -1.27 | 1.27 | 9.07E-03 | ARHGFE3 | intronic |
| 8 | 89282661 | A | C | rs16880535 | 3.41E-01 | 0.127 | 0.124 | 1.02 | 0.85 | -1.23 | 6.35E-06 | 0.082 | 0.118 | 0.67 | 0.55 | -0.83 | 0.83 | 9.08E-03 | MMP16 | intronic |
| 2 | 102960007 | G | A | rs12905 | 5.94E-01 | 0.099 | 0.086 | 1.17 | 0.95 | -1.45 | 3.49E-05 | 0.075 | 0.119 | 0.60 | 0.48 | -0.74 | 0.82 | 9.09E-03 | IL1RL1 | UTR3 |
| 9 | 36033857 | C | T | rs76989190 | 4.42E-05 | 0.102 | 0.072 | 1.45 | 1.17 | -1.8 | 8.85E-01 | 0.080 | 0.077 | 1.05 | 0.84 | -1.3 | 1.26 | 9.12E-03 | OR2S2(dist=75706), RECK(dist=3053) | intergenic |
| 10 | 58727512 | C | T | rs10825943 | 3.13E-05 | 0.438 | 0.350 | 1.42 | 1.25 | -1.61 | 9.39E-01 | 0.405 | 0.414 | 0.96 | 0.86 | -1.09 | 1.14 | 9.13E-03 | ZWINT(dist=606478), MIR3924(dist=336727) | intergenic |
| 18 | 4848074 | C | G | rs113055418 | 9.58E-01 | 0.105 | 0.114 | 0.95 | 0.78 | -1.16 | 4.54E-05 | 0.127 | 0.093 | 1.42 | 1.19 | -1.7 | 1.23 | 9.14E-03 | DLGAP1(dist=392808), C18orf42(dist=295598) | intergenic |
| 6 | 132989825 | C | G | rs145605731 | 5.45E-01 | 0.116 | 0.118 | 0.98 | 0.81 | -1.19 | 6.42E-05 | 0.079 | 0.106 | 0.72 | 0.58 | -0.89 | 0.80 | 9.14E-03 | TAAR1(dist=22683), VNN1(dist=12172) | intergenic |
| 7 | 14242785 | C | T | rs113588777 | 9.59E-01 | 0.155 | 0.161 | 0.95 | 0.8 | -1.13 | 2.15E-05 | 0.167 | 0.129 | 1.36 | 1.16 | -1.59 | 1.21 | 9.20E-03 | DGKB | intronic |
| 10 | 58729004 | G | A | rs2393195 | 3.69E-05 | 0.431 | 0.349 | 1.41 | 1.24 | -1.6 | 9.13E-01 | 0.401 | 0.409 | 0.97 | 0.86 | -1.09 | 1.14 | 9.21E-03 | ZWINT(dist=607970), MIR3924(dist=335235) | intergenic |
| 14 | 95946152 | A | G | rs74083415 | 2.98E-05 | 0.284 | 0.243 | 1.24 | 1.08 | -1.43 | 7.46E-01 | 0.238 | 0.230 | 1.05 | 0.91 | -1.2 | 1.15 | 9.21E-03 | SYNE3(dist=3979), SNHG10(dist=53097) | intergenic |
| 9 | 8842144 | C | A | rs75327370 | 3.80E-05 | 0.078 | 0.051 | 1.58 | 1.23 | -2.02 | 7.33E-01 | 0.051 | 0.050 | 1.01 | 0.77 | -1.32 | 1.30 | 9.23E-03 | PTPRD | intronic |
| 6 | 132987681 | C | T | rs184007221 | 5.42E-01 | 0.116 | 0.118 | 0.98 | 0.81 | -1.19 | 6.42E-05 | 0.079 | 0.106 | 0.72 | 0.58 | -0.89 | 0.80 | 9.23E-03 | TAAR1(dist=20539), VNN1(dist=14316) | intergenic |
| 1 | 198257324 | A | G | rs58740678 | 6.14E-06 | 0.047 | 0.025 | 1.91 | 1.37 | -2.65 | 4.50E-01 | 0.028 | 0.030 | 0.94 | 0.66 | -1.34 | 1.42 | 9.27E-03 | NEK7 | intronic |
| 10 | 51502436 | A | T | rs56244335 | 1.20E-05 | 0.248 | 0.183 | 1.47 | 1.27 | -1.71 | 9.11E-01 | 0.222 | 0.231 | 0.95 | 0.82 | -1.09 | 1.17 | 9.30E-03 | TIMM23B | intronic |
| 9 | 8846763 | G | A | rs114215915 | 4.92E-05 | 0.079 | 0.052 | 1.56 | 1.22 | -1.99 | 7.97E-01 | 0.052 | 0.051 | 1.02 | 0.79 | -1.33 | 1.29 | 9.30E-03 | PTPRD | intronic |
| 4 | 68200518 | G | A | rs14400565 | 4.87E-01 | 0.252 | 0.261 | 0.96 | 0.83 | -1.1 | 1.58E-05 | 0.294 | 0.245 | 1.28 | 1.12 | -1.46 | 1.15 | 9.30E-03 | MIR1269A(dist=1057872), LOC101927237(dist=82505) | intergenic |
| 10 | 52025987 | T | C | rs2813294 | 5.36E-05 | 0.475 | 0.401 | 1.35 | 1.19 | -1.53 | 8.66E-01 | 0.432 | 0.437 | 0.98 | 0.87 | -1.1 | 1.14 | 9.33E-03 | ASAH2(dist=17617), SGM51(dist=39358) | intergenic |
| 19 | 16097075 | G | A | rs10412052 | 1.95E-05 | 0.292 | 0.240 | 1.31 | 1.14 | -1.51 | 4.13E-01 | 0.214 | 0.214 | 1.00 | 0.87 | -1.16 | 1.16 | 9.34E-03 | OR10H4(dist=36307), LINC00661(dist=29369) | intergenic |
| 8 | 134589458 | G | A | rs59369176 | 3.72E-05 | 0.072 | 0.051 | 1.44 | 1.12 | -1.86 | 7.60E-01 | 0.049 | 0.048 | 1.01 | 0.77 | -1.33 | 1.39 | 9.34E-03 | ST3GAL1(dist=5275), LOC101927798(dist=198336) | intergenic |
| 8 | 89285456 | G | C | rs147849836 | 3.37E-01 | 0.127 | 0.124 | 1.02 | 0.85 | -1.23 | 6.46E-06 | 0.082 | 0.118 | 0.67 | 0.55 | -0.83 | 0.83 | 9.35E-03 | MMP16 | intronic |
| 8 | 5959900 | A | G | rs74478569 | 4.99E-01 | 0.169 | 0.187 | 0.89 | 0.75 | -1.04 | 5.68E-06 | 0.213 | 0.161 | 1.41 | 1.22 | -1.63 | 1.18 | 9.42E-03 | CSMD1(dist=1107572), LOC100287015(dist=301177) | intergenic |
| 9 | 36033589 | A | G | rs74759588 | 4.61E-05 | 0.101 | 0.072 | 1.45 | 1.17 | -1.8 | 8.82E-01 | 0.080 | 0.077 | 1.05 | 0.84 | -1.3 | 1.25 | 9.43E-03 | OR2S2(dist=75438), RECK(dist=3321) | intergenic |
| 12 | 12256628 | T | C | rs10845484 | 3.33E-01 | 0.118 | 0.097 | 1.25 | 1.02 | -1.52 | 2.13E-05 | 0.103 | 0.152 | 0.64 | 0.53 | -0.77 | 0.81 | 9.48E-03 | BCL2L14(dist=4001), MIR1244-4(dist=8258) | intergenic |
| 2 | 204720139 | G | A | rs11571292 | 6.96E-01 | 0.375 | 0.368 | 1.03 | 0.91 | -1.17 | 4.61E-05 | 0.322 | 0.380 | 0.77 | 0.68 | -0.88 | 0.88 | 9.49E-03 | CD28(dist=116503), CTLA4(dist=12372) | intergenic |
| 10 | 58725097 | C | T | rs4641386 | 3.49E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 9.41E-01 | 0.404 | 0.413 | 0.96 | 0.86 | -1.09 | 1.14 | 9.51E-03 | ZWINT(dist=604063), MIR3924(dist=339142) | intergenic |
| 10 | 58725026 | G | A | rs2893715 | 3.49E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 9.41E-01 | 0.404 | 0.413 | 0.96 | 0.86 | -1.09 | 1.14 | 9.51E-03 | ZWINT(dist=603992), MIR3924(dist=339213) | intergenic |
| 10 | 58725039 | G | A | rs2393192 | 3.49E-05 | 0.437 | 0.353 | 1.42 | 1.25 | -1.61 | 9.41E-01 | 0.404 | 0.413 | 0.96 | 0.86 | -1.09 | 1.14 | 9.51E-03 | ZWINT(dist=604005), MIR3924(dist=339200) | intergenic |
| 9 | 36115269 | G | T | rs7045313 | 4.63E-05 | 0.109 | 0.078 | 1.44 | 1.17 | -1.78 | 8.95E-01 | 0.088 | 0.085 | 1.05 | 0.85 | -1.29 | 1.23 | 9.55E-03 | RECK | intronic |
| 1 | 116249741 | G | C | rs6428688 | 6.48E-01 | 0.445 | 0.444 | 0.99 | 0.88 | -1.13 | 4.18E-05 | 0.485 | 0.437 | 0.82 | 0.73 | -0.93 | 0.89 | 9.55E-03 | CASQ2 | intronic |
| 2 | 102965332 | G | C | rs17027006 | 5.79E-01 | 0.099 | 0.086 | 1.17 | 0.95 | -1.45 | 3.68E-05 | 0.075 | 0.119 | 0.60 | 0.48 | -0.74 | 0.82 | 9.56E-03 | IL1RL1 | intronic |
| 4 | 106684667 | C | T | rs2553452 | 4.26E-05 | 0.058 | 0.034 | 0.57 | 0.43 | -0.76 | 7.50E-01 | 0.041 | 0.045 | 1.11 | 0.83 | -1.49 | 0.75 | 9.63E-03 | GSTCD | intronic |
| 9 | 8844152 | T | C | rs115748227 | 4.28E-05 | 0.078 | 0.051 | 1.57 | 1.22 | -2.01 | 7.44E-01 | 0.051 | 0.050 | 1.01 | 0.78 | -1.32 | 1.29 | 9.65E-03 | PTPRD | intronic |
| 2 | 102955860 | G | T | rs3771177 | 6.13E-01 | 0.100 | 0.087 | 1.17 | 0.95 | -1.44 | 4.07E-05 | 0.076 | 0.120 | 0.60 | 0.49 | -0.75 | 0.82 | 9.66E-03 | IL1RL1 | intronic |
| 10 | 32398589 | A | G | rs2114422 | 5.26E-05 | 0.274 | 0.343 | 1.38 | 1.2 | -1.58 | 9.93E-01 | 0.300 | 0.294 | 0.97 | 0.86 | -1.11 | 1.14 | 9.66E-03 | KIF5B(dist=53218), EPC1(dist=158055) | intergenic |
| 4 | 72702349 | T | C | rs10091955 | 3.43E-05 | 0.156 | 0.124 | 1.31 | 1.1 | -1.56 | 8.61E-01 | 0.124 | 0.121 | 1.03 | 0.86 | -1.23 | 1.21 | 9.68E-03 | EYA1(dist=427882), MSC(dist=51428) | intergenic |
| 4 | 35967720 | T | C | rs11939178 | 5.03E-05 | 0.448 | 0.389 | 0.78 | 0.69 | -0.89 | 7.53E-01 | 0.405 | 0.413 | 1.04 | 0.92 | -1.17 | 0.89 | 9.70E-03 | LOC101928622(dist=1926205), ARAP2(dist=99900) | intergenic |
| 11 | 7854876 | G | A | rs10769837 | 4.28E-01 | 0.412 | 0.385 | 1.12 | 0.99 | -1.27 | 6.83E-06 | 0.343 | 0.419 | 0.72 | 0.64 | -0.82 | 0.89 | 9.70E-03 | OR5P3(dist=7357), OR5E1P(dist=15722) | intergenic |
| 1 | 56952184 | C | T | rs7516563 | 1.06E-05 | 0.332 | 0.400 | 1.34 | 1.18 | -1.53 | 4.23E-01 | 0.383 | 0.371 | 0.95 | 0.84 | -1.07 | 1.14 | 9.72E-03 | MIR4422(dist=1260788), PPAP2B(dist=8235) | intergenic |
| 9 | 8836012 | T | A | rs75658452 | 3.60E-05 | 0.079 | 0.052 | 1.58 | 1.24 | -2.03 | 6.87E-01 | 0.051 | 0.051 | 1.01 | 0.77 | -1.31 | 1.29 | 9.75E-03 | PTPRD | intronic |
| 2 | 103305457 | C | T | rs78702801 | 7.53E-01 | 0.053 | 0.057 | 0.93 | 0.71 | -1.23 | 3.11E-05 | 0.068 | 0.046 | 1.52 | 1.19 | -1.94 | 1.44 | 9.76E-03 | SLC9A2 | intronic |
| 4 | 106673328 | G | A | rs2112049 | 3.91E-05 | 0.057 | 0.033 | 0.57 | 0.42 | -0.76 | 8.30E-01 | 0.042 | 0.046 | 1.10 | 0.82 | -1.47 | 0.75 | 9.78E-03 | GSTCD | intronic |
| 8 | 89291085 | G | C | rs11986608 | 3.34E-01 | 0.127 | 0.124 | 1.03 | 0.85 | -1.24 | 6.83E-06 | 0.083 | 0.118 | 0.67 | 0.55 | -0.83 | 0.83 | 9.81E-03 | MMP16 | intronic |
| 18 | 72344509 | G | A | rs7227263 | 1.46E-05 | 0.090 | 0.133 | 0.64 | 0.52 | -0.79 | 4.37E-01 | 0.118 | 0.113 | 1.05 | 0.88 | -1.26 | 0.83 | 9.83E-03 | ZNF407 | exonic |
| 4 | 92477060 | A | G | rs10025394 | 6.26E-01 | 0.110 | 0.115 | 0.94 | 0.78 | -1.15 | 4.93E-05 | 0.148 | 0.104 | 1.49 | 1.26 | -1.77 | 1.20 | 9.84E-03 | CCSER1 | intronic |
| 18 | 6556905 | T | C | rs78598273 | 7.32E-01 | 0.099 | 0.108 | 0.91 | 0.74 | -1.12 | 5.76E-05 | 0.132 | 0.095 | 1.45 | 1.21 | -1.73 | 1.24 | 9.89E-03 | LINC01387 | ncRNA_intronic |
| 8 | 89316955 | T | A | rs11994310 | 3.07E-01 | 0.130 | 0.127 | 1.03 | 0.85 | -1.24 | 4.77E-06 | 0.083 | 0.119 | 0.67 | 0.55 | -0.83 | 0.83 | 9.92E-03 | MMP16 | intronic |
| 8 | 18417619 | C | T | rs12334635 | 5.45E-01 | 0.045 | 0.051 | 0.88 | 0.65 | -1.17 | 2.33E-05 | 0.072 | 0.043 | 1.71 | 1.35 | -2.18 | 1.32 | 9.96E-03 | PSD3 | intronic |
| 3 | 30129304 | G | A | rs13322157 | 4.97E-01 | 0.023 | 0.028 | 0.82 | 0.55 | -1.22 | 5.28E-05 | 0.046 | 0.025 | 1.89 | 1.4 | -2.55 | 1.43 | 9.97E-03 | RBMS3(dist=77418), TGFBR2(dist=518690) | intergenic |
| 2 | 102971165 | C | T | rs56386507 | 5.42E-01 | 0.104 | 0.090 | 1.18 | 0.96 | -1.45 | 3.37E-05 | 0.079 | 0.125 | 0.60 | 0.49 | -0.75 | 0.82 | 1.00E-02 | IL1RL1(dist=2668), IL18R1(dist=1578) | intergenic |
| 14 | 105086888 | A | G | rs7155600 | 2.67E-01 | 0.128 | 0.138 | 1.09 | 0.91 | -1.31 | 4.68E-06 | 0.173 | 0.126 | 0.69 | 0.59 | -0.81 | 0.84 | 1.01E-02 | TMEM179(dist=15791), MIR4710(dist=57143) | intergenic |
| 2 | 102957532 | T | C | rs3732129 | 5.94E-01 | 0.101 | 0.087 | 1.17 | 0.95 | -1.45 | 3.99E-05 | 0.076 | 0.120 | 0.60 | 0.49 | -0.75 | 0.82 | 1.01E-02 | IL1RL1 | intronic |
| 9 | 14272621 | G | A | rs114595228 | 7.30E-01 | 0.032 | | | | | | | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|------------|--|----------------|
| 5 | 40986374 | T | C | rs73750218 | 3.70E-05 | 0.062 | 0.033 | 1.94 | 1.45 | -2.59 | 6.78E-01 | 0.046 | 0.052 | 0.86 | 0.65 | -1.14 | 1.35 | 1.02E-02 | C7(dist=3332), MROH2B(dist=11748) | intergenic |
| 4 | 106668358 | A | G | rs7676226 | 5.05E-05 | 0.055 | 0.033 | 0.57 | 0.43 | -0.77 | 8.92E-01 | 0.042 | 0.045 | 1.08 | 0.81 | -1.45 | 0.75 | 1.02E-02 | GSTCD | intronic |
| 5 | 3507223 | T | C | rs11955601 | 7.71E-01 | 0.047 | 0.051 | 0.93 | 0.69 | -1.24 | 5.27E-05 | 0.073 | 0.046 | 1.64 | 1.29 | -2.07 | 1.33 | 1.03E-02 | LINC01019 | ncRNA_intronic |
| 2 | 58638135 | A | C | rs11125754 | 4.90E-05 | 0.188 | 0.228 | 1.28 | 1.09 | -1.49 | 8.28E-01 | 0.243 | 0.254 | 1.06 | 0.92 | -1.21 | 1.15 | 1.03E-02 | FANCL(dist=169620), LINC01122(dist=109753) | intergenic |
| 4 | 35965403 | T | A | rs60907552 | 5.30E-05 | 0.447 | 0.388 | 0.78 | 0.69 | -0.89 | 7.43E-01 | 0.405 | 0.414 | 1.04 | 0.92 | -1.17 | 0.89 | 1.03E-02 | LOC101928622(dist=1923888), ARAP2(dist=102217) | intergenic |
| 6 | 91519293 | C | G | rs78866506 | 8.64E-01 | 0.031 | 0.034 | 0.89 | 0.62 | -1.27 | 2.53E-05 | 0.037 | 0.021 | 1.78 | 1.28 | -2.47 | 1.56 | 1.04E-02 | MAP3K7(dist=222273), MIR4643(dist=712085) | intergenic |
| 8 | 5958623 | G | C | rs17076042 | 5.47E-01 | 0.160 | 0.178 | 0.88 | 0.75 | -1.04 | 9.82E-06 | 0.190 | 0.139 | 1.46 | 1.25 | -1.7 | 1.18 | 1.04E-02 | CSMD1(dist=1106295), LOC100287015(dist=302454) | intergenic |
| 2 | 58652438 | A | T | rs10179027 | 5.57E-05 | 0.198 | 0.240 | 1.28 | 1.1 | -1.49 | 8.22E-01 | 0.255 | 0.265 | 1.05 | 0.92 | -1.2 | 1.15 | 1.04E-02 | FANCL(dist=183923), LINC01122(dist=95450) | intergenic |
| 4 | 92460368 | T | C | rs28706529 | 5.92E-01 | 0.107 | 0.112 | 0.94 | 0.77 | -1.15 | 3.71E-05 | 0.143 | 0.100 | 1.50 | 1.26 | -1.78 | 1.20 | 1.05E-02 | CCSER1 | intronic |
| 4 | 92461942 | C | T | rs6835281 | 5.92E-01 | 0.107 | 0.112 | 0.94 | 0.77 | -1.15 | 3.71E-05 | 0.143 | 0.100 | 1.50 | 1.26 | -1.78 | 1.20 | 1.05E-02 | CCSER1 | intronic |
| 5 | 73710927 | C | G | rs73762716;rs386689076 | 6.58E-01 | 0.107 | 0.114 | 0.93 | 0.76 | -1.13 | 2.90E-05 | 0.139 | 0.099 | 1.47 | 1.23 | -1.75 | 1.21 | 1.05E-02 | LINC01331 | ncRNA_intronic |
| 4 | 92464714 | C | T | rs998223 | 5.89E-01 | 0.107 | 0.112 | 0.94 | 0.77 | -1.15 | 3.68E-05 | 0.143 | 0.100 | 1.50 | 1.26 | -1.78 | 1.20 | 1.05E-02 | CCSER1 | intronic |
| 4 | 92466814 | T | C | rs72884660 | 5.87E-01 | 0.107 | 0.112 | 0.94 | 0.77 | -1.15 | 3.67E-05 | 0.143 | 0.100 | 1.50 | 1.26 | -1.78 | 1.20 | 1.06E-02 | CCSER1 | intronic |
| 4 | 92467753 | A | T | rs72884663 | 5.86E-01 | 0.107 | 0.112 | 0.94 | 0.77 | -1.15 | 3.66E-05 | 0.143 | 0.100 | 1.50 | 1.26 | -1.78 | 1.20 | 1.06E-02 | CCSER1 | intronic |
| 4 | 92468554 | G | A | rs7688661 | 5.86E-01 | 0.107 | 0.112 | 0.94 | 0.77 | -1.15 | 3.66E-05 | 0.143 | 0.100 | 1.50 | 1.26 | -1.78 | 1.20 | 1.06E-02 | CCSER1 | intronic |
| 1 | 56953209 | C | A | rs6664934 | 3.02E-05 | 0.319 | 0.384 | 1.33 | 1.16 | -1.51 | 5.61E-01 | 0.351 | 0.344 | 0.97 | 0.86 | -1.1 | 1.13 | 1.06E-02 | MIR4422(dist=1261813), PPAP2B(dist=7210) | intergenic |
| 5 | 73716436 | C | T | rs73762720 | 6.29E-01 | 0.106 | 0.114 | 0.92 | 0.76 | -1.13 | 2.24E-05 | 0.138 | 0.098 | 1.47 | 1.24 | -1.75 | 1.21 | 1.06E-02 | LINC01331 | ncRNA_intronic |
| 8 | 5957660 | A | C | rs73660517 | 5.77E-01 | 0.163 | 0.180 | 0.89 | 0.75 | -1.05 | 1.35E-05 | 0.192 | 0.142 | 1.44 | 1.24 | -1.68 | 1.18 | 1.06E-02 | CSMD1(dist=1105332), LOC100287015(dist=303417) | intergenic |
| 10 | 32369540 | G | A | rs73257540 | 1.58E-05 | 0.141 | 0.202 | 0.65 | 0.55 | -0.77 | 9.02E-01 | 0.191 | 0.184 | 1.04 | 0.9 | -1.21 | 0.85 | 1.07E-02 | KIF5B(dist=24169), EPC1(dist=187104) | intergenic |
| 2 | 58633553 | C | T | rs2192663 | 4.42E-05 | 0.195 | 0.236 | 1.27 | 1.09 | -1.48 | 7.89E-01 | 0.246 | 0.256 | 1.05 | 0.92 | -1.21 | 1.15 | 1.07E-02 | FANCL(dist=165038), LINC01122(dist=114335) | intergenic |
| 3 | 174250285 | A | G | rs1473977 | 5.88E-05 | 0.162 | 0.121 | 0.71 | 0.6 | -0.85 | 8.32E-01 | 0.141 | 0.146 | 1.04 | 0.88 | -1.23 | 0.82 | 1.07E-02 | NLGN1(dist=249146), NAALADL2(dist=326826) | intergenic |
| 4 | 35976738 | C | T | rs1622680 | 4.32E-06 | 0.171 | 0.120 | 0.66 | 0.55 | -0.78 | 4.88E-01 | 0.146 | 0.164 | 1.14 | 0.97 | -1.35 | 0.85 | 1.07E-02 | LOC101928622(dist=1935223), ARAP2(dist=90882) | intergenic |
| 4 | 35974205 | C | T | rs1655079 | 4.54E-06 | 0.171 | 0.119 | 0.66 | 0.55 | -0.78 | 4.93E-01 | 0.146 | 0.164 | 1.14 | 0.97 | -1.35 | 0.85 | 1.07E-02 | LOC101928622(dist=1932690), ARAP2(dist=93451) | intergenic |
| 6 | 22488787 | T | G | rs78935478 | 7.40E-01 | 0.027 | 0.028 | 0.95 | 0.65 | -1.39 | 2.63E-05 | 0.039 | 0.021 | 1.85 | 1.34 | -2.56 | 1.50 | 1.07E-02 | PRL(dist=185705), HDGFL1(dist=80891) | intergenic |
| 5 | 59013793 | T | C | rs17742447 | 4.96E-01 | 0.114 | 0.099 | 1.17 | 0.96 | -1.42 | 3.72E-05 | 0.097 | 0.144 | 0.64 | 0.52 | -0.77 | 0.83 | 1.07E-02 | PDE4D | intronic |
| 2 | 102955683 | G | T | rs873022 | 5.73E-01 | 0.101 | 0.087 | 1.18 | 0.95 | -1.46 | 4.21E-05 | 0.076 | 0.120 | 0.60 | 0.49 | -0.75 | 0.82 | 1.08E-02 | IL1RL1 | intronic |
| 4 | 35971570 | G | C | rs1655065 | 4.58E-06 | 0.171 | 0.120 | 0.66 | 0.55 | -0.78 | 4.92E-01 | 0.146 | 0.164 | 1.14 | 0.97 | -1.35 | 0.85 | 1.08E-02 | LOC101928622(dist=1930055), ARAP2(dist=96050) | intergenic |
| 14 | 95946228 | A | G | rs73340098 | 1.85E-05 | 0.295 | 0.253 | 1.24 | 1.08 | -1.42 | 6.04E-01 | 0.243 | 0.237 | 1.03 | 0.9 | -1.19 | 1.15 | 1.08E-02 | SYNE3(dist=4055), SNHG10(dist=53021) | intergenic |
| 2 | 158814154 | C | T | rs13032042 | 4.24E-01 | 0.029 | 0.028 | 1.04 | 0.72 | -1.51 | 1.49E-05 | 0.051 | 0.033 | 1.58 | 1.2 | -2.09 | 1.43 | 1.08E-02 | ACVR1(dist=81780), UPP2(dist=37537) | intergenic |
| 4 | 35974806 | G | A | rs1714086 | 4.55E-06 | 0.171 | 0.119 | 0.66 | 0.55 | -0.78 | 4.91E-01 | 0.146 | 0.164 | 1.14 | 0.97 | -1.35 | 0.85 | 1.08E-02 | LOC101928622(dist=1933291), ARAP2(dist=92814) | intergenic |
| 4 | 35974513 | G | A | rs1714087 | 4.60E-06 | 0.171 | 0.119 | 0.66 | 0.55 | -0.78 | 4.92E-01 | 0.146 | 0.164 | 1.14 | 0.97 | -1.35 | 0.85 | 1.09E-02 | LOC101928622(dist=1932998), ARAP2(dist=93107) | intergenic |
| 4 | 35977058 | C | T | rs1714104 | 4.47E-06 | 0.171 | 0.120 | 0.66 | 0.55 | -0.78 | 4.87E-01 | 0.147 | 0.164 | 1.14 | 0.97 | -1.35 | 0.85 | 1.09E-02 | LOC101928622(dist=1935543), ARAP2(dist=90562) | intergenic |
| 10 | 51503559 | G | C | rs2611471 | 1.14E-05 | 0.253 | 0.186 | 1.48 | 1.28 | -1.71 | 8.42E-01 | 0.226 | 0.236 | 0.94 | 0.82 | -1.08 | 1.16 | 1.09E-02 | TIMM23B | intronic |
| 7 | 78990053 | T | C | rs10235466 | 7.05E-01 | 0.098 | 0.104 | 0.95 | 0.77 | -1.16 | 2.81E-05 | 0.121 | 0.085 | 1.47 | 1.22 | -1.77 | 1.23 | 1.10E-02 | MAGI2 | intronic |
| 10 | 51502802 | G | C | rs113082846 | 1.12E-05 | 0.253 | 0.186 | 1.48 | 1.28 | -1.72 | 8.36E-01 | 0.226 | 0.236 | 0.94 | 0.82 | -1.08 | 1.16 | 1.10E-02 | TIMM23B | intronic |
| 10 | 58712077 | T | C | rs10740693 | 6.42E-05 | 0.438 | 0.357 | 1.41 | 1.24 | -1.59 | 9.00E-01 | 0.405 | 0.413 | 0.97 | 0.86 | -1.09 | 1.13 | 1.10E-02 | ZWINT(dist=591043), MIR3924(dist=352162) | intergenic |
| 8 | 5957456 | A | G | rs17076034 | 4.23E-01 | 0.172 | 0.191 | 0.88 | 0.75 | -1.04 | 5.72E-06 | 0.220 | 0.168 | 1.40 | 1.21 | -1.62 | 1.17 | 1.10E-02 | CSMD1(dist=1105128), LOC100287015(dist=303621) | intergenic |
| 4 | 75026531 | G | A | rs148071950 | 2.25E-05 | 0.045 | 0.025 | 1.80 | 1.29 | -2.52 | 4.34E-01 | 0.021 | 0.022 | 0.93 | 0.62 | -1.39 | 1.50 | 1.11E-02 | MTHFD2L | intronic |
| 10 | 58722527 | T | C | rs2393189 | 6.27E-05 | 0.455 | 0.374 | 1.39 | 1.23 | -1.58 | 9.06E-01 | 0.420 | 0.428 | 0.97 | 0.86 | -1.09 | 1.13 | 1.11E-02 | ZWINT(dist=601493), MIR3924(dist=341712) | intergenic |
| 9 | 8827680 | A | G | rs7863174 | 4.61E-05 | 0.077 | 0.051 | 1.56 | 1.22 | -2 | 7.08E-01 | 0.051 | 0.050 | 1.01 | 0.77 | -1.32 | 1.29 | 1.12E-02 | PTPRD | intronic |
| 1 | 56954622 | A | G | rs11811433 | 1.26E-05 | 0.327 | 0.394 | 1.34 | 1.18 | -1.53 | 4.06E-01 | 0.381 | 0.369 | 0.95 | 0.84 | -1.07 | 1.13 | 1.12E-02 | MIR4422(dist=1263226), PPAP2B(dist=5797) | intergenic |
| 13 | 109668204 | T | C | rs150726179 | 4.92E-05 | 0.047 | 0.029 | 1.67 | 1.21 | -2.3 | 4.65E-01 | 0.025 | 0.027 | 0.93 | 0.64 | -1.35 | 1.46 | 1.12E-02 | MYO16 | intronic |
| 8 | 5959685 | G | T | rs76278735 | 5.31E-01 | 0.160 | 0.178 | 0.88 | 0.74 | -1.04 | 1.06E-05 | 0.190 | 0.139 | 1.46 | 1.25 | -1.7 | 1.18 | 1.12E-02 | CSMD1(dist=1107357), LOC100287015(dist=301392) | intergenic |
| 4 | 92455746 | A | G | rs28558311 | 5.67E-01 | 0.105 | 0.111 | 0.94 | 0.77 | -1.15 | 4.24E-05 | 0.143 | 0.101 | 1.49 | 1.26 | -1.77 | 1.20 | 1.13E-02 | CCSER1 | intronic |
| 2 | 102969807 | C | T | rs67723747 | 5.91E-01 | 0.097 | 0.083 | 1.19 | 0.96 | -1.47 | 6.06E-05 | 0.076 | 0.119 | 0.61 | 0.49 | -0.75 | 0.82 | 1.13E-02 | IL1RL1(dist=1310), IL18R1(dist=2936) | intergenic |
| 4 | 35967246 | G | A | rs1655036 | 9.22E-06 | 0.325 | 0.260 | 0.73 | 0.64 | -0.84 | 5.02E-01 | 0.286 | 0.300 | 1.07 | 0.94 | -1.22 | 0.88 | 1.13E-02 | LOC101928622(dist=1925731), ARAP2(dist=100374) | intergenic |
| 7 | 78992464 | C | T | rs10226131 | 6.92E-01 | 0.098 | 0.103 | 0.94 | 0.77 | -1.16 | 2.77E-05 | 0.120 | 0.085 | 1.47 | 1.22 | -1.77 | 1.23 | 1.13E-02 | MAGI2 | intronic |
| 7 | 78992025 | A | G | rs10240656 | 6.91E-01 | 0.098 | 0.103 | 0.94 | 0.77 | -1.16 | 2.78E-05 | 0.120 | 0.085 | 1.47 | 1.22 | -1.77 | 1.23 | 1.13E-02 | MAGI2 | intronic |
| 4 | 92449977 | A | G | rs7680125 | 5.66E-01 | 0.105 | 0.111 | 0.94 | 0.77 | -1.15 | 4.34E-05 | 0.143 | 0.101 | 1.49 | 1.25 | -1.77 | 1.20 | 1.14E-02 | CCSER1 | intronic |
| 4 | 92449995 | T | G | rs7658432 | 5.66E-01 | 0.105 | 0.111 | 0.94 | 0.77 | -1.15 | 4.34E-05 | 0.143 | 0.101 | 1.49 | 1.25 | -1.77 | 1.20 | 1.14E-02 | CCSER1 | intronic |
| 1 | 56958037 | A | G | rs11206828 | 4.84E-05 | 0.302 | 0.365 | 1.33 | 1.16 | -1.52 | 6.10E-01 | 0.339 | 0.331 | 0.97 | 0.85 | -1.09 | 1.14 | 1.15E-02 | MIR4422(dist=1266641), PPAP2B(dist=2382) | intergenic |
| 15 | 27629651 | A | G | rs116165748 | 8.92E-01 | 0.043 | 0.044 | 0.98 | 0.72 | -1.33 | 6.11E-05 | 0.042 | 0.024 | 1.77 | 1.3 | -2.41 | 1.40 | 1.15E-02 | GABRG3 | intronic |
| 15 | 27629680 | T | A | rs114882293 | 8.93E-01 | 0.043 | 0.044 | 0.98 | 0.72 | -1.33 | 6.11E-05 | 0.042 | 0.024 | 1.77 | 1.3 | -2.41 | 1.40 | 1.16E-02 | GABRG3 | intronic |
| 19 | 48863386 | C | T | rs438767 | 5.31E-01 | 0.363 | 0.363 | 1.00 | 0.88 | -1.14 | 4.76E-05 | 0.430 | 0.385 | 1.21 | 1.07 | -1.36 | 1.13 | 1.17E-02 | TMEM143 | exonic |
| 1 | 116251152 | G | A | rs4535998;rs67692933 | 5.75E-01 | 0.445 | 0.445 | 1.00 | 0.88 | -1.13 | 3.96E-05 | 0.486 | 0.438 | 0.82 | 0.73 | -0.93 | 0.89 | 1.17E-02 | CASQ2 | intronic |
| 7 | 5566117 | T | C | rs13447420 | 6.00E-01 | 0.034 | 0.039 | 0.86 | 0.61 | -1.2 | 1.07E-06 | 0.043 | 0.025 | 1.76 | 1.3 | -2.4 | 1.50 | 1.18E-02 | ACTB, LOC221946 | downstream |
| 10 | 58720513 | A | C | rs7910003 | 3.53E-05 | 0.437 | 0.354 | 1.41 | 1.24 | -1.6 | 9.67E-01 | 0.402 | 0.413 | 0.96 | 0.85 | -1.08 | 1.13 | 1.18E-02</ | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 6 | 29853299 | G | A | rs190116962 | 3.82E-05 | 0.022 | 0.044 | 0.50 | 0.34 | -0.73 | 8.46E-01 | 0.042 | 0.039 | 1.09 | 0.81 | -1.46 | 0.73 | 1.20E-02 | HLA-G(dist=54400), HLA-H(dist=2238) | intergenic |
| 4 | 122521660 | T | C | rs4833748 | 4.66E-01 | 0.248 | 0.235 | 1.07 | 0.93 | -1.24 | 4.67E-05 | 0.209 | 0.272 | 0.71 | 0.62 | -0.82 | 0.88 | 1.20E-02 | QRFPR(dist=219479), ANXA5(dist=67492) | intergenic |
| 7 | 79005116 | C | T | rs10257558 | 5.91E-01 | 0.105 | 0.112 | 0.93 | 0.76 | -1.14 | 1.86E-05 | 0.135 | 0.097 | 1.46 | 1.22 | -1.74 | 1.21 | 1.21E-02 | MAGI2 | intronic |
| 11 | 7855688 | T | C | rs1384511 | 4.96E-01 | 0.421 | 0.397 | 1.11 | 0.98 | -1.26 | 1.53E-05 | 0.352 | 0.425 | 0.73 | 0.65 | -0.83 | 0.89 | 1.21E-02 | OR5P3(dist=8169), OR5E1P(dist=14910) | intergenic |
| 18 | 72344238 | C | T | rs17817969 | 9.88E-06 | 0.089 | 0.132 | 0.64 | 0.52 | -0.78 | 4.17E-01 | 0.116 | 0.111 | 1.06 | 0.88 | -1.27 | 0.84 | 1.21E-02 | ZNF407 | exonic |
| 7 | 79005504 | A | G | rs10273372 | 5.90E-01 | 0.105 | 0.112 | 0.93 | 0.76 | -1.14 | 1.91E-05 | 0.135 | 0.097 | 1.46 | 1.22 | -1.74 | 1.21 | 1.22E-02 | MAGI2 | intronic |
| 12 | 228948 | C | G | rs10849572 | 4.09E-05 | 0.444 | 0.504 | 1.28 | 1.13 | -1.45 | 6.60E-01 | 0.453 | 0.442 | 0.96 | 0.85 | -1.08 | 1.13 | 1.22E-02 | IQSEC3 | intronic |
| 10 | 130854225 | C | T | rs12411337 | 2.71E-01 | 0.024 | 0.026 | 0.89 | 0.6 | -1.33 | 3.23E-05 | 0.055 | 0.040 | 1.41 | 1.08 | -1.83 | 1.53 | 1.22E-02 | LINC01163(dist=738235), MGMT(dist=411229) | intergenic |
| 11 | 120973430 | A | G | rs35507522 | 7.91E-01 | 0.104 | 0.104 | 0.99 | 0.81 | -1.22 | 5.55E-05 | 0.067 | 0.095 | 0.68 | 0.54 | -0.86 | 0.82 | 1.22E-02 | TECTA | exonic |
| 4 | 92445258 | C | T | rs28452136 | 5.59E-01 | 0.105 | 0.111 | 0.94 | 0.77 | -1.15 | 5.12E-05 | 0.143 | 0.101 | 1.48 | 1.25 | -1.76 | 1.20 | 1.22E-02 | CCSER1 | intronic |
| 7 | 62833407 | C | G | rs12666951 | 6.96E-01 | 0.050 | 0.052 | 0.95 | 0.71 | -1.26 | 5.88E-05 | 0.068 | 0.042 | 1.66 | 1.3 | -2.13 | 1.31 | 1.22E-02 | LOC100287834(dist=21255), LOC100287834(dist=23311) | intergenic |
| 15 | 24876930 | T | A | rs137900425 | 6.53E-01 | 0.028 | 0.034 | 0.83 | 0.58 | -1.19 | 5.89E-05 | 0.049 | 0.027 | 1.82 | 1.36 | -2.43 | 1.38 | 1.22E-02 | PWRN1(dist=44004), NPAP1(dist=43611) | intergenic |
| 3 | 64009102 | G | T | rs35836 | 2.98E-01 | 0.132 | 0.153 | 0.84 | 0.7 | -1.01 | 4.67E-06 | 0.168 | 0.121 | 1.47 | 1.25 | -1.73 | 1.18 | 1.23E-02 | PSMD6 | UTR5 |
| 4 | 92442209 | C | T | rs72884604 | 5.78E-01 | 0.105 | 0.110 | 0.94 | 0.77 | -1.15 | 5.98E-05 | 0.143 | 0.101 | 1.48 | 1.24 | -1.76 | 1.20 | 1.23E-02 | CCSER1 | intronic |
| 1 | 56956515 | T | C | rs4912303 | 6.48E-05 | 0.316 | 0.378 | 1.32 | 1.15 | -1.5 | 6.33E-01 | 0.349 | 0.343 | 0.97 | 0.86 | -1.1 | 1.13 | 1.23E-02 | MIR4422(dist=1265119), PPAP2B(dist=3904) | intergenic |
| 17 | 8932356 | A | G | rs7218289 | 7.10E-01 | 0.110 | 0.108 | 0.98 | 0.8 | -1.19 | 4.40E-05 | 0.149 | 0.122 | 0.79 | 0.67 | -0.94 | 0.82 | 1.24E-02 | NTN1 | intronic |
| 6 | 29852389 | C | T | rs116271498 | 4.11E-05 | 0.022 | 0.043 | 0.50 | 0.34 | -0.73 | 8.44E-01 | 0.042 | 0.039 | 1.09 | 0.81 | -1.46 | 0.73 | 1.25E-02 | HLA-G(dist=53490), HLA-H(dist=3148) | intergenic |
| 11 | 7856259 | T | C | rs10769838 | 4.87E-01 | 0.422 | 0.397 | 1.11 | 0.98 | -1.26 | 1.57E-05 | 0.352 | 0.426 | 0.73 | 0.65 | -0.83 | 0.89 | 1.25E-02 | OR5P3(dist=8740), OR5E1P(dist=14339) | intergenic |
| 7 | 79009106 | C | A | rs10252300 | 5.99E-01 | 0.105 | 0.112 | 0.93 | 0.76 | -1.14 | 2.22E-05 | 0.135 | 0.097 | 1.45 | 1.22 | -1.73 | 1.21 | 1.26E-02 | MAGI2 | intronic |
| 10 | 34417835 | A | G | rs1415546 | 4.79E-06 | 0.303 | 0.377 | 0.72 | 0.63 | -0.82 | 6.54E-01 | 0.347 | 0.340 | 1.03 | 0.91 | -1.17 | 0.88 | 1.27E-02 | PARD3 | intronic |
| 10 | 32371056 | C | T | rs12246092;rs386742718 | 3.86E-05 | 0.102 | 0.151 | 0.64 | 0.52 | -0.78 | 9.54E-01 | 0.138 | 0.134 | 1.04 | 0.87 | -1.23 | 0.84 | 1.28E-02 | KIF5B(dist=25685), EPC1(dist=185588) | intergenic |
| 11 | 7856890 | G | T | rs10769840 | 4.81E-01 | 0.422 | 0.396 | 1.11 | 0.98 | -1.26 | 1.58E-05 | 0.352 | 0.426 | 0.73 | 0.65 | -0.83 | 0.89 | 1.28E-02 | OR5P3(dist=9371), OR5E1P(dist=13708) | intergenic |
| 11 | 7856509 | G | T | rs3280 | 4.83E-01 | 0.422 | 0.397 | 1.11 | 0.98 | -1.26 | 1.60E-05 | 0.352 | 0.426 | 0.73 | 0.65 | -0.83 | 0.89 | 1.28E-02 | OR5P3(dist=8990), OR5E1P(dist=14089) | intergenic |
| 13 | 114605831 | G | A | rs77565662 | 2.99E-05 | 0.061 | 0.035 | 1.79 | 1.34 | -2.38 | 7.07E-01 | 0.045 | 0.043 | 1.03 | 0.77 | -1.36 | 1.32 | 1.28E-02 | LINC00452 | intronic |
| 7 | 79010235 | C | G | rs78254548 | 5.82E-01 | 0.103 | 0.110 | 0.93 | 0.76 | -1.14 | 2.21E-05 | 0.133 | 0.095 | 1.46 | 1.22 | -1.74 | 1.21 | 1.28E-02 | MAGI2 | intronic |
| 7 | 113472564 | C | T | rs10265135 | 4.52E-01 | 0.233 | 0.253 | 0.90 | 0.78 | -1.04 | 9.84E-06 | 0.267 | 0.210 | 1.37 | 1.2 | -1.57 | 1.15 | 1.28E-02 | LINC00998(dist=713927), PPP1R3A(dist=44318) | intergenic |
| 19 | 34558765 | C | T | rs244765 | 4.22E-05 | 0.415 | 0.469 | 0.80 | 0.71 | -0.91 | 6.71E-01 | 0.468 | 0.474 | 0.98 | 0.87 | -1.1 | 0.89 | 1.28E-02 | KCTD15(dist=252099), LSM14A(dist=104587) | intergenic |
| 8 | 17868799 | T | C | rs36007178 | 5.30E-01 | 0.030 | 0.035 | 0.85 | 0.59 | -1.21 | 3.79E-05 | 0.046 | 0.025 | 1.88 | 1.4 | -2.54 | 1.42 | 1.29E-02 | PCM1 | exonic |
| 11 | 7856414 | T | C | rs10839882 | 4.89E-01 | 0.421 | 0.396 | 1.11 | 0.98 | -1.26 | 1.71E-05 | 0.352 | 0.425 | 0.73 | 0.65 | -0.83 | 0.89 | 1.29E-02 | OR5P3(dist=8895), OR5E1P(dist=14184) | intergenic |
| 2 | 60153321 | C | G | rs6751255 | 4.60E-01 | 0.320 | 0.308 | 0.94 | 0.83 | -1.08 | 2.35E-05 | 0.267 | 0.329 | 1.35 | 1.18 | -1.53 | 1.13 | 1.29E-02 | LOC101927285(dist=646786), MIR4432(dist=461176) | intergenic |
| 5 | 58985328 | G | C | rs298077 | 4.69E-01 | 0.174 | 0.160 | 0.90 | 0.76 | -1.06 | 2.86E-05 | 0.152 | 0.200 | 1.40 | 1.19 | -1.64 | 1.19 | 1.29E-02 | PDE4D | intronic |
| 11 | 18610041 | C | T | rs61884724 | 2.71E-01 | 0.028 | 0.029 | 0.94 | 0.65 | -1.37 | 7.12E-06 | 0.054 | 0.037 | 1.48 | 1.13 | -1.93 | 1.42 | 1.29E-02 | UEVLD | intronic |
| 5 | 117747565 | A | C | rs61484922 | 4.60E-01 | 0.083 | 0.096 | 0.85 | 0.68 | -1.06 | 5.51E-06 | 0.106 | 0.069 | 1.61 | 1.32 | -1.96 | 1.24 | 1.29E-02 | LOC101927280 | ncRNA_intronic |
| 18 | 72335162 | T | G | rs57377990 | 1.58E-05 | 0.090 | 0.133 | 0.65 | 0.52 | -0.79 | 4.50E-01 | 0.117 | 0.112 | 1.05 | 0.88 | -1.26 | 0.84 | 1.29E-02 | LINC00909(dist=70091), ZNF407(dist=7757) | intergenic |
| 4 | 35973884 | G | A | rs1025519 | 6.25E-06 | 0.173 | 0.122 | 0.66 | 0.56 | -0.79 | 4.75E-01 | 0.147 | 0.165 | 1.15 | 0.97 | -1.35 | 0.85 | 1.30E-02 | LOC101928622(dist=1932369), ARAP2(dist=93736) | intergenic |
| 7 | 5560558 | A | C | rs144924072 | 7.24E-01 | 0.042 | 0.047 | 0.89 | 0.66 | -1.21 | 3.52E-05 | 0.048 | 0.028 | 1.73 | 1.29 | -2.31 | 1.41 | 1.31E-02 | LOC221946 | ncRNA_intronic |
| 19 | 34558612 | A | G | rs244763 | 4.47E-05 | 0.415 | 0.470 | 0.80 | 0.71 | -0.91 | 6.71E-01 | 0.468 | 0.474 | 0.98 | 0.87 | -1.1 | 0.89 | 1.31E-02 | KCTD15(dist=251946), LSM14A(dist=104740) | intergenic |
| 20 | 20987823 | A | T | rs12625858 | 6.51E-01 | 0.299 | 0.306 | 0.97 | 0.84 | -1.11 | 5.97E-05 | 0.283 | 0.321 | 0.83 | 0.73 | -0.95 | 0.88 | 1.31E-02 | RALGAPA2(dist=294557), KIZ(dist=118801) | intergenic |
| 7 | 79000955 | C | T | rs6943036 | 5.95E-01 | 0.105 | 0.112 | 0.93 | 0.76 | -1.14 | 2.41E-05 | 0.136 | 0.098 | 1.45 | 1.21 | -1.72 | 1.21 | 1.32E-02 | MAGI2 | intronic |
| 6 | 146665311 | A | G | rs12110433 | 6.53E-01 | 0.028 | 0.032 | 0.88 | 0.61 | -1.27 | 6.27E-05 | 0.042 | 0.024 | 1.77 | 1.3 | -2.41 | 1.48 | 1.32E-02 | GRM1 | intronic |
| 4 | 122513549 | A | T | rs12511308 | 4.14E-01 | 0.236 | 0.223 | 1.08 | 0.93 | -1.25 | 4.58E-05 | 0.200 | 0.262 | 0.71 | 0.61 | -0.82 | 0.87 | 1.32E-02 | QRFPR(dist=211368), ANXA5(dist=75603) | intergenic |
| 18 | 4842808 | T | C | rs4561559 | 6.80E-01 | 0.116 | 0.125 | 1.09 | 0.9 | -1.32 | 5.42E-05 | 0.146 | 0.109 | 0.72 | 0.61 | -0.85 | 0.82 | 1.32E-02 | DLGAP1(dist=387542), C18orf42(dist=300864) | intergenic |
| 2 | 212366480 | T | C | rs62178814 | 9.96E-01 | 0.165 | 0.168 | 0.97 | 0.82 | -1.15 | 5.66E-05 | 0.177 | 0.140 | 1.32 | 1.13 | -1.54 | 1.19 | 1.32E-02 | ERBB4 | intronic |
| 18 | 72344553 | G | A | rs7227391 | 1.31E-05 | 0.089 | 0.133 | 0.64 | 0.52 | -0.79 | 4.18E-01 | 0.116 | 0.111 | 1.06 | 0.88 | -1.27 | 0.84 | 1.33E-02 | ZNF407 | exonic |
| 13 | 114601545 | C | T | rs116434894 | 3.68E-05 | 0.060 | 0.034 | 1.78 | 1.33 | -2.37 | 7.37E-01 | 0.043 | 0.042 | 1.03 | 0.78 | -1.38 | 1.32 | 1.35E-02 | LINC00452(NM_001278674:c.17299C>T) | UTR5 |
| 4 | 92437174 | G | A | rs28806469 | 5.53E-01 | 0.104 | 0.110 | 0.94 | 0.77 | -1.15 | 6.23E-05 | 0.142 | 0.101 | 1.48 | 1.24 | -1.76 | 1.20 | 1.35E-02 | CCSER1 | intronic |
| 12 | 936785 | A | G | rs141099218 | 5.76E-05 | 0.061 | 0.039 | 1.60 | 1.21 | -2.12 | 8.15E-01 | 0.045 | 0.044 | 1.02 | 0.77 | -1.36 | 1.31 | 1.36E-02 | WNK1 | intronic |
| 8 | 3117292 | G | A | rs1444615 | 5.61E-01 | 0.315 | 0.327 | 1.06 | 0.93 | -1.21 | 4.09E-05 | 0.352 | 0.290 | 0.76 | 0.67 | -0.85 | 0.88 | 1.36E-02 | CSMD1 | intronic |
| 10 | 51492131 | G | A | rs2926493 | 5.26E-05 | 0.261 | 0.196 | 1.45 | 1.25 | -1.68 | 9.42E-01 | 0.248 | 0.258 | 0.95 | 0.83 | -1.08 | 1.16 | 1.36E-02 | TIMM23B | intronic |
| 12 | 932221 | T | G | rs74610807 | 5.64E-05 | 0.061 | 0.039 | 1.60 | 1.21 | -2.12 | 8.11E-01 | 0.045 | 0.044 | 1.02 | 0.77 | -1.36 | 1.31 | 1.36E-02 | WNK1 | intronic |
| 5 | 7372296 | C | T | rs116436633 | 6.19E-01 | 0.048 | 0.050 | 0.94 | 0.71 | -1.26 | 5.49E-05 | 0.068 | 0.045 | 1.54 | 1.21 | -1.97 | 1.36 | 1.36E-02 | LOC442132(dist=65469), ADCY2(dist=24047) | intergenic |
| 14 | 105084994 | C | A | rs11625738 | 2.34E-01 | 0.128 | 0.140 | 1.10 | 0.92 | -1.33 | 5.20E-06 | 0.176 | 0.130 | 0.70 | 0.6 | -0.82 | 0.85 | 1.36E-02 | TMEM179(dist=13897), MIR4710(dist=59037) | intergenic |
| 12 | 930891 | G | A | rs116359592 | 5.67E-05 | 0.061 | 0.039 | 1.60 | 1.21 | -2.12 | 8.11E-01 | 0.045 | 0.044 | 1.02 | 0.77 | -1.36 | 1.31 | 1.37E-02 | WNK1 | intronic |
| 6 | 67871861 | G | A | rs1584839 | 4.89E-05 | 0.464 | 0.397 | 1.31 | 1.16 | -1.49 | 6.75E-01 | 0.412 | 0.436 | 0.91 | 0.8 | -1.02 | 1.12 | 1.37E-02 | SLC25A51P1(dist=1372485), LOC102723883(dist=893382) | intergenic |
| 10 | 51521684 | T | G | rs2249986 | 8.51E-06 | 0.257 | 0.187 | 1.51 | 1.3 | -1.75 | 7.33E-01 | 0.224 | 0.237 | 0.93 | 0.81 | -1.07 | 1.15 | 1.37E-02 | TIMM23B | intronic |
| 13 | 22750352 | G | A | rs9580311 | 3.29E-01 | 0.171 | 0.154 | 1.13 | 0.96 | -1.34 | 8.34E-06 | 0.130 | 0.179 | 0.69 | 0.58 | -0.81 | 0.85 | 1.38E-02 | LINC00424(dist=298053), LINC00540(dist=34072) | intergenic |
| 10 | 51524274 | C | T | rs2843555 | 7.37E-06 | 0.256 | 0.185 | 1.51 | 1.3 | -1.75 | 7.30E-01 | 0.214 | 0.228 | 0.93 | 0.8 | -1.07 | 1.15 | 1.38E-02 | TIMM23B | intronic |
| 7 | 78989041 | A | G | rs3 | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|--------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 15 | 77520611 | C | T | rs115757025 | 2.53E-01 | 0.015 | 0.021 | 0.72 | 0.44 | -1.18 | 2.00E-05 | 0.043 | 0.023 | 1.86 | 1.37 | -2.54 | 1.48 | 1.39E-02 | PEAK1 | intronic |
| 7 | 103500233 | G | C | rs12705163 | 5.05E-05 | 0.091 | 0.054 | 1.76 | 1.39 | -2.22 | 6.80E-01 | 0.072 | 0.078 | 0.92 | 0.73 | -1.15 | 1.25 | 1.41E-02 | RELN | intronic |
| 1 | 204735951 | G | A | rs77016775 | 6.32E-01 | 0.147 | 0.161 | 0.90 | 0.75 | -1.07 | 6.46E-05 | 0.191 | 0.140 | 1.44 | 1.24 | -1.68 | 1.17 | 1.41E-02 | LRRN2(dist=81354), NFASC(dist=61831) | intergenic |
| 2 | 204734487 | C | T | rs231779 | 4.14E-01 | 0.435 | 0.425 | 1.04 | 0.92 | -1.18 | 1.91E-05 | 0.375 | 0.434 | 0.78 | 0.69 | -0.88 | 0.89 | 1.41E-02 | CTLA4 | intronic |
| 1 | 204730990 | G | T | rs75586960 | 6.25E-01 | 0.147 | 0.161 | 0.90 | 0.75 | -1.07 | 5.97E-05 | 0.191 | 0.140 | 1.44 | 1.24 | -1.68 | 1.17 | 1.41E-02 | LRRN2(dist=76393), NFASC(dist=66792) | intergenic |
| 1 | 204731014 | G | T | rs75103403 | 6.25E-01 | 0.147 | 0.161 | 0.90 | 0.75 | -1.06 | 5.97E-05 | 0.191 | 0.140 | 1.44 | 1.24 | -1.68 | 1.17 | 1.41E-02 | LRRN2(dist=76417), NFASC(dist=66768) | intergenic |
| 12 | 909318 | A | T | rs188920799 | 5.22E-05 | 0.061 | 0.039 | 1.61 | 1.21 | -2.13 | 7.90E-01 | 0.044 | 0.044 | 1.02 | 0.77 | -1.36 | 1.31 | 1.41E-02 | WNK1 | intronic |
| 1 | 204720626 | C | T | rs16854306 | 6.28E-01 | 0.146 | 0.160 | 0.90 | 0.75 | -1.07 | 5.89E-05 | 0.189 | 0.139 | 1.44 | 1.24 | -1.68 | 1.17 | 1.42E-02 | LRRN2(dist=66029), NFASC(dist=77156) | intergenic |
| 1 | 53342954 | C | T | rs537822 | 5.85E-01 | 0.147 | 0.157 | 1.08 | 0.91 | -1.29 | 3.05E-05 | 0.186 | 0.150 | 0.77 | 0.66 | -0.9 | 0.84 | 1.43E-02 | ZYG11A | intronic |
| 12 | 917372 | A | G | rs80329747 | 5.81E-05 | 0.061 | 0.039 | 1.60 | 1.21 | -2.12 | 8.02E-01 | 0.045 | 0.044 | 1.02 | 0.77 | -1.36 | 1.31 | 1.43E-02 | WNK1 | intronic |
| 12 | 918605 | C | T | rs75869732 | 5.83E-05 | 0.061 | 0.039 | 1.60 | 1.21 | -2.12 | 8.02E-01 | 0.045 | 0.044 | 1.02 | 0.77 | -1.36 | 1.31 | 1.43E-02 | WNK1 | intronic |
| 9 | 36130438 | C | T | rs7033945 | 4.27E-05 | 0.072 | 0.048 | 1.55 | 1.19 | -2 | 7.75E-01 | 0.054 | 0.053 | 1.03 | 0.8 | -1.34 | 1.30 | 1.43E-02 | RECK(dist=5986), GLIPR2(dist=6095) | intergenic |
| 12 | 915018 | A | G | rs115861606 | 6.05E-05 | 0.061 | 0.039 | 1.60 | 1.21 | -2.12 | 8.05E-01 | 0.045 | 0.044 | 1.02 | 0.77 | -1.36 | 1.31 | 1.44E-02 | WNK1 | intronic |
| 3 | 63975328 | A | G | rs73119018 | 2.22E-01 | 0.187 | 0.208 | 0.87 | 0.75 | -1.02 | 4.66E-06 | 0.236 | 0.183 | 1.38 | 1.2 | -1.59 | 1.15 | 1.44E-02 | ATXN7 | intronic |
| 10 | 51518910 | G | A | rs2611504 | 2.31E-05 | 0.240 | 0.176 | 1.47 | 1.27 | -1.71 | 8.34E-01 | 0.199 | 0.210 | 0.93 | 0.81 | -1.08 | 1.17 | 1.44E-02 | TIMM23B | intronic |
| 10 | 51492713 | A | C | rs4278470 | 6.27E-05 | 0.263 | 0.198 | 1.44 | 1.24 | -1.66 | 9.45E-01 | 0.250 | 0.261 | 0.95 | 0.83 | -1.08 | 1.16 | 1.45E-02 | TIMM23B | intronic |
| 10 | 54715409 | T | C | rs7912766 | 3.20E-01 | 0.400 | 0.395 | 0.98 | 0.86 | -1.11 | 3.91E-05 | 0.333 | 0.384 | 1.25 | 1.1 | -1.41 | 1.14 | 1.45E-02 | MBL2(dist=183949), PCDH15(dist=847124) | intergenic |
| 10 | 8256509 | G | A | rs139133324 | 1.07E-05 | 0.050 | 0.022 | 2.34 | 1.67 | -3.28 | 7.49E-01 | 0.040 | 0.046 | 0.86 | 0.64 | -1.15 | 1.40 | 1.45E-02 | GATA3(dist=139345), LINC00708(dist=44786) | intergenic |
| 7 | 103500194 | T | A | rs12705162 | 5.34E-05 | 0.091 | 0.054 | 1.75 | 1.38 | -2.22 | 6.76E-01 | 0.072 | 0.079 | 0.92 | 0.73 | -1.15 | 1.24 | 1.46E-02 | RELN | intronic |
| 12 | 12254075 | C | T | rs2448032 | 3.96E-01 | 0.224 | 0.204 | 1.13 | 0.97 | -1.31 | 5.91E-05 | 0.197 | 0.258 | 0.71 | 0.61 | -0.82 | 0.86 | 1.47E-02 | BCL2L14(dist=1448), MIR1244-4(dist=10811) | intergenic |
| 7 | 79000456 | C | T | rs10237230 | 5.41E-01 | 0.107 | 0.115 | 0.93 | 0.76 | -1.13 | 2.20E-05 | 0.137 | 0.099 | 1.44 | 1.21 | -1.72 | 1.21 | 1.48E-02 | IMAGI2 | intronic |
| 6 | 138691969 | A | C | rs11969619 | 5.91E-01 | 0.239 | 0.241 | 0.99 | 0.86 | -1.14 | 4.42E-05 | 0.191 | 0.225 | 0.81 | 0.7 | -0.94 | 0.87 | 1.48E-02 | ARFGEF3(dist=26169), HEBP2(dist=33367) | intergenic |
| 2 | 60129430 | C | T | rs1981912 | 4.86E-01 | 0.328 | 0.315 | 0.94 | 0.83 | -1.08 | 3.53E-05 | 0.265 | 0.328 | 1.35 | 1.18 | -1.54 | 1.13 | 1.48E-02 | LOC101927285(dist=622895), MIR4432(dist=485067) | intergenic |
| 3 | 63948609 | C | G | rs13433909 | 1.70E-01 | 0.198 | 0.220 | 0.87 | 0.75 | -1.02 | 2.08E-06 | 0.254 | 0.199 | 1.37 | 1.19 | -1.57 | 1.15 | 1.48E-02 | ATXN7 | intronic |
| 2 | 195979631 | G | - | - | 1.60E-05 | 0.218 | 0.176 | 1.30 | 1.12 | -1.52 | 3.45E-01 | 0.187 | 0.190 | 0.98 | 0.84 | -1.14 | 1.18 | 1.48E-02 | LOC101927431(dist=353472), SLC39A10(dist=541901) | intergenic |
| 11 | 7810940 | T | A | rs11500778 | 5.86E-01 | 0.236 | 0.246 | 0.94 | 0.82 | -1.09 | 4.09E-05 | 0.290 | 0.248 | 1.24 | 1.09 | -1.41 | 1.18 | 1.50E-02 | OVCH2(dist=82999), OR5P2(dist=6581) | intergenic |
| 10 | 45124666 | A | T | rs17487774 | 1.47E-05 | 0.051 | 0.022 | 2.43 | 1.74 | -3.4 | 8.19E-01 | 0.038 | 0.042 | 0.92 | 0.68 | -1.24 | 1.38 | 1.50E-02 | CXCL12(dist=244121), TMEM72-AS1(dist=181806) | intergenic |
| 4 | 92549485 | G | A | rs188025797 | 4.80E-01 | 0.096 | 0.104 | 0.92 | 0.75 | -1.13 | 4.00E-05 | 0.131 | 0.091 | 1.51 | 1.26 | -1.8 | 1.21 | 1.50E-02 | CCSER1(dist=26115), LOC101929194(dist=634164) | intergenic |
| 14 | 88198948 | T | C | rs78134330 | 3.93E-01 | 0.086 | 0.096 | 0.88 | 0.71 | -1.1 | 2.37E-05 | 0.121 | 0.088 | 1.44 | 1.2 | -1.73 | 1.25 | 1.50E-02 | LOC283585(dist=809849), GALC(dist=200410) | intergenic |
| 2 | 18497448 | C | A | rs1516919 | 6.10E-01 | 0.378 | 0.375 | 1.01 | 0.89 | -1.15 | 1.79E-05 | 0.322 | 0.374 | 0.80 | 0.7 | -0.9 | 0.89 | 1.51E-02 | KCNS3(dist=383223), RDH14(dist=238541) | intergenic |
| 12 | 909151 | T | C | rs76311496 | 6.49E-05 | 0.060 | 0.039 | 1.60 | 1.2 | -2.12 | 8.00E-01 | 0.044 | 0.043 | 1.02 | 0.77 | -1.36 | 1.31 | 1.52E-02 | WNK1 | intronic |
| 18 | 7765570 | T | A | rs11663448 | 2.60E-05 | 0.348 | 0.279 | 1.38 | 1.21 | -1.58 | 6.29E-01 | 0.311 | 0.328 | 0.93 | 0.82 | -1.05 | 1.13 | 1.52E-02 | PTPRM | intronic |
| 10 | 8254435 | C | T | rs72786323 | 1.29E-05 | 0.051 | 0.023 | 2.33 | 1.67 | -3.24 | 7.41E-01 | 0.041 | 0.047 | 0.86 | 0.64 | -1.15 | 1.38 | 1.54E-02 | GATA3(dist=137271), LINC00708(dist=46860) | intergenic |
| 4 | 68188653 | G | A | rs28868577 | 5.03E-01 | 0.266 | 0.275 | 0.95 | 0.83 | -1.1 | 6.24E-05 | 0.314 | 0.266 | 1.26 | 1.11 | -1.43 | 1.13 | 1.54E-02 | MIR1269A(dist=1046007), LOC101927237(dist=94370) | intergenic |
| 7 | 103499987 | A | G | rs12705161 | 5.32E-05 | 0.090 | 0.054 | 1.75 | 1.38 | -2.22 | 6.63E-01 | 0.073 | 0.079 | 0.92 | 0.73 | -1.15 | 1.24 | 1.54E-02 | RELN | intronic |
| 2 | 195986610 | C | T | rs2566717 | 5.11E-05 | 0.322 | 0.274 | 1.26 | 1.1 | -1.44 | 5.44E-01 | 0.274 | 0.273 | 1.01 | 0.88 | -1.15 | 1.14 | 1.54E-02 | LOC101927431(dist=360451), SLC39A10(dist=534922) | intergenic |
| 15 | 77540272 | C | T | rs115780877 | 3.30E-01 | 0.015 | 0.021 | 1.04 | 0.46 | -1.21 | 4.75E-05 | 0.043 | 0.025 | 1.79 | 1.32 | -2.43 | 1.47 | 1.55E-02 | PEAK1 | intronic |
| 1 | 61806984 | A | G | rs9436206 | 4.73E-01 | 0.051 | 0.053 | 0.96 | 0.73 | -1.28 | 2.72E-05 | 0.075 | 0.052 | 1.49 | 1.18 | -1.87 | 1.31 | 1.55E-02 | NFIA | intronic |
| 7 | 62918770 | G | A | rs145247182 | 6.36E-01 | 0.056 | 0.058 | 0.95 | 0.73 | -1.24 | 1.90E-05 | 0.071 | 0.049 | 1.50 | 1.19 | -1.9 | 1.34 | 1.55E-02 | LOC100287834(dist=59351), MIR4283-2(dist=162698) | intergenic |
| 2 | 158821921 | C | T | rs116697623 | 3.70E-01 | 0.029 | 0.028 | 1.03 | 0.71 | -1.49 | 1.91E-05 | 0.049 | 0.031 | 1.58 | 1.19 | -2.11 | 1.41 | 1.56E-02 | ACVR1(dist=89547), UPP2(dist=29770) | intergenic |
| 3 | 168362904 | A | G | rs11712578 | 4.82E-01 | 0.121 | 0.119 | 0.98 | 0.81 | -1.19 | 3.63E-05 | 0.169 | 0.139 | 0.79 | 0.67 | -0.93 | 0.84 | 1.56E-02 | EGFEM1P | ncRNA_intronic |
| 10 | 45119285 | C | T | rs111237601 | 1.14E-05 | 0.052 | 0.022 | 2.44 | 1.75 | -3.4 | 7.76E-01 | 0.039 | 0.042 | 0.91 | 0.67 | -1.23 | 1.37 | 1.57E-02 | CXCL12(dist=238740), TMEM72-AS1(dist=187187) | intergenic |
| 10 | 51530757 | G | A | rs10826127 | 5.89E-06 | 0.255 | 0.184 | 1.52 | 1.31 | -1.76 | 6.54E-01 | 0.214 | 0.229 | 0.92 | 0.8 | -1.06 | 1.15 | 1.57E-02 | TIMM23B | intronic |
| 8 | 98897142 | A | G | rs10955135 | 2.28E-05 | 0.337 | 0.287 | 0.79 | 0.69 | -0.91 | 5.13E-01 | 0.282 | 0.280 | 0.99 | 0.87 | -1.13 | 0.88 | 1.58E-02 | MATN2 | intronic |
| 8 | 98897852 | T | C | rs4236846 | 2.23E-05 | 0.337 | 0.287 | 0.79 | 0.69 | -0.91 | 5.08E-01 | 0.282 | 0.280 | 0.99 | 0.87 | -1.13 | 0.88 | 1.59E-02 | MATN2 | intronic |
| 8 | 11012261 | T | C | rs28743023 | 4.89E-01 | 0.226 | 0.246 | 0.89 | 0.77 | -1.03 | 2.88E-05 | 0.256 | 0.199 | 1.39 | 1.21 | -1.59 | 1.14 | 1.59E-02 | XKR6 | intronic |
| 18 | 27078245 | C | T | rs1188385610 | 7.58E-01 | 0.031 | 0.034 | 0.91 | 0.64 | -1.3 | 5.93E-05 | 0.042 | 0.024 | 1.75 | 1.28 | -2.38 | 1.43 | 1.60E-02 | CDH2(dist=1320800), MIR302F(dist=800631) | intergenic |
| 11 | 8620053 | A | C | rs117307454 | 3.59E-01 | 0.031 | 0.036 | 0.85 | 0.6 | -1.21 | 2.37E-05 | 0.061 | 0.038 | 1.65 | 1.27 | -2.13 | 1.35 | 1.60E-02 | STK33(dist=4217), TRIM66(dist=13531) | intergenic |
| 8 | 5385594 | C | T | rs28406137 | 1.08E-05 | 0.018 | 0.047 | 0.38 | 0.25 | -0.58 | 3.02E-01 | 0.036 | 0.029 | 1.24 | 0.9 | -1.71 | 0.73 | 1.61E-02 | CSMD1(dist=533266), LOC100287015(dist=875483) | intergenic |
| 8 | 5384957 | A | C | rs28512288 | 1.10E-05 | 0.018 | 0.047 | 0.38 | 0.25 | -0.58 | 3.03E-01 | 0.036 | 0.029 | 1.24 | 0.9 | -1.71 | 0.73 | 1.62E-02 | CSMD1(dist=532629), LOC100287015(dist=876120) | intergenic |
| 7 | 103490228 | A | C | rs13233546 | 6.37E-05 | 0.081 | 0.046 | 1.80 | 1.4 | -2.32 | 7.48E-01 | 0.064 | 0.069 | 0.92 | 0.72 | -1.16 | 1.25 | 1.62E-02 | RELN | intronic |
| 8 | 5971072 | G | A | rs146054152 | 5.37E-01 | 0.134 | 0.147 | 0.90 | 0.75 | -1.08 | 4.41E-05 | 0.158 | 0.121 | 1.36 | 1.16 | -1.61 | 1.22 | 1.62E-02 | CSMD1(dist=118744), LOC100287015(dist=290005) | intergenic |
| 8 | 98898400 | T | C | rs4319057 | 2.28E-05 | 0.337 | 0.287 | 0.79 | 0.69 | -0.91 | 5.03E-01 | 0.282 | 0.280 | 0.99 | 0.87 | -1.13 | 0.89 | 1.63E-02 | MATN2 | intronic |
| 10 | 44509716 | C | A | rs11238809 | 5.95E-05 | 0.043 | 0.020 | 2.17 | 1.53 | -3.1 | 9.26E-01 | 0.037 | 0.039 | 0.95 | 0.7 | -1.29 | 1.40 | 1.63E-02 | LINC00841(dist=44361), C10orf142(dist=278482) | intergenic |
| 9 | 800984 | A | G | rs7019976 | 1.42E-02 | 0.038 | 0.030 | 1.28 | 0.91 | -1.79 | 5.38E-06 | 0.043 | 0.026 | 1.69 | 1.24 | -2.29 | 1.83 | 1.63E-02 | KANK1(dist=54878), DMRT1(dist=40706) | intergenic |
| 5 | 3350440 | G | A | rs115134278 | 6.28E-01 | 0.048 | 0.052 | 0.91 | 0.68 | -1.22 | 1.72E-05 | 0.067 | 0.042 | 1.63 | 1.28 | -2.09 | 1.33 | 1.63E-02 | LINC01377(dist=169094), LINC01019(dist=66826) | intergenic |
| 11 | 7855047 | C | T | rs2048430 | 3.87E-01 | 0.436 | 0.408 | 1.12 | 0.99 | -1.27 | 1.68E-05 | 0.365 | 0.437 | 0.74 | 0.65 | -0.83 | 0.89 | 1.64E-02 | OR | |

| | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------------------|----------|-------|-------|------------------|---------------|---|----------------|
| 2 | 158879206 | C | T | rs34727822 | 5.20E-01 | 0.027 | 0.025 | 1.07 0.73 - 1.59 | 6.13E-05 | 0.044 | 0.028 | 1.60 1.19 - 2.16 | 1.41 1.68E-02 | U2PP2 | intronic |
| 7 | 113522662 | T | C | rs35436835 | 5.14E-01 | 0.306 | 0.316 | 0.96 0.84 - 1.09 | 5.60E-05 | 0.345 | 0.292 | 1.28 1.13 - 1.45 | 1.13 1.68E-02 | PPP1R3A | intronic |
| 10 | 51489186 | G | C | rs2843567 | 5.69E-05 | 0.291 | 0.232 | 1.36 1.18 - 1.56 | 8.83E-01 | 0.284 | 0.294 | 0.95 0.84 - 1.08 | 1.18 1.69E-02 | TM6SF2 | intronic |
| 14 | 95946080 | C | T | rs74080285 | 4.65E-05 | 0.331 | 0.284 | 1.24 1.09 - 1.42 | 5.98E-01 | 0.279 | 0.273 | 1.03 0.9 - 1.17 | 1.13 1.69E-02 | SYNE3(dist=3907), SNHG10(dist=53169) | intergenic |
| 2 | 196866420 | C | T | rs6434811 | 3.47E-01 | 0.343 | 0.297 | 1.23 1.08 - 1.41 | 2.11E-05 | 0.302 | 0.384 | 0.69 0.61 - 0.79 | 0.88 1.70E-02 | DNAH7 | exonic |
| 3 | 63974258 | T | G | rs3774725 | 2.13E-01 | 0.215 | 0.237 | 0.88 0.76 - 1.02 | 7.35E-06 | 0.272 | 0.217 | 1.35 1.18 - 1.54 | 1.14 1.70E-02 | ATXN7 | intronic |
| 14 | 95946476 | C | A | rs73341000 | 4.19E-05 | 0.272 | 0.234 | 1.23 1.06 - 1.41 | 5.99E-01 | 0.233 | 0.227 | 1.04 0.9 - 1.19 | 1.15 1.71E-02 | SYNE3(dist=4303), SNHG10(dist=52773) | intergenic |
| 7 | 113524668 | T | C | rs59437547 | 5.09E-01 | 0.306 | 0.315 | 0.95 0.84 - 1.09 | 5.59E-05 | 0.345 | 0.292 | 1.28 1.13 - 1.45 | 1.13 1.71E-02 | PPP1R3A | intronic |
| 9 | 20150664 | C | T | rs7042574 | 6.34E-05 | 0.197 | 0.159 | 1.29 1.1 - 1.52 | 6.24E-01 | 0.163 | 0.160 | 1.03 0.88 - 1.2 | 1.17 1.71E-02 | SLC24A2(dist=363647), MLLT3(dist=190999) | intergenic |
| 11 | 8546365 | A | C | rs7119274 | 4.21E-01 | 0.285 | 0.307 | 0.90 0.79 - 1.03 | 2.57E-05 | 0.322 | 0.264 | 1.32 1.17 - 1.5 | 1.13 1.71E-02 | STK33 | intronic |
| 8 | 98900888 | A | G | rs7835518 | 2.58E-05 | 0.336 | 0.288 | 0.80 0.7 - 0.91 | 5.07E-01 | 0.281 | 0.279 | 0.99 0.87 - 1.13 | 0.89 1.71E-02 | MATN2 | intronic |
| 3 | 143536665 | T | C | rs6762196 | 2.87E-05 | 0.126 | 0.177 | 0.67 0.56 - 0.81 | 3.12E-01 | 0.151 | 0.139 | 1.10 0.93 - 1.3 | 0.85 1.72E-02 | SLC9A9 | intronic |
| 3 | 143536593 | T | C | rs10513218 | 2.88E-05 | 0.126 | 0.177 | 0.67 0.56 - 0.81 | 3.12E-01 | 0.151 | 0.139 | 1.10 0.93 - 1.3 | 0.85 1.72E-02 | SLC9A9 | intronic |
| 3 | 30120961 | T | A | rs149260504 | 3.33E-01 | 0.023 | 0.029 | 0.77 0.51 - 1.15 | 3.37E-05 | 0.047 | 0.026 | 1.87 1.39 - 2.52 | 1.39 1.72E-02 | RBMS3(dist=69075), TGFBR2(dist=527033) | intergenic |
| 3 | 28263431 | T | A | rs7614914 | 5.77E-05 | 0.347 | 0.430 | 0.70 0.62 - 0.8 | 5.44E-01 | 0.393 | 0.370 | 1.10 0.98 - 1.24 | 0.89 1.72E-02 | EOMES(dist=499225), CMC1(dist=19693) | intergenic |
| 3 | 63940509 | C | T | rs9820538 | 1.23E-01 | 0.188 | 0.213 | 0.85 0.73 - 1 | 9.54E-07 | 0.234 | 0.179 | 1.40 1.21 - 1.61 | 1.15 1.72E-02 | ATXN7 | intronic |
| 10 | 131135837 | C | T | rs7903583 | 1.97E-01 | 0.193 | 0.202 | 0.95 0.81 - 1.11 | 2.67E-05 | 0.267 | 0.230 | 1.22 1.07 - 1.4 | 1.17 1.73E-02 | LINC01163(dist=1019847), MGMT(dist=129617) | intergenic |
| 3 | 30122653 | T | C | rs116482232 | 3.74E-01 | 0.023 | 0.030 | 0.79 0.53 - 1.17 | 5.52E-05 | 0.047 | 0.026 | 1.83 1.36 - 2.46 | 1.39 1.74E-02 | RBMS3(dist=70767), TGFBR2(dist=525341) | intergenic |
| 4 | 35978247 | C | T | rs1655035 | 1.17E-05 | 0.173 | 0.124 | 0.68 0.57 - 0.8 | 4.55E-01 | 0.148 | 0.166 | 1.15 0.97 - 1.35 | 0.86 1.74E-02 | LOC101928622(dist=1936732), ARAP2(dist=89373) | intergenic |
| 3 | 191945739 | T | C | rs76213903 | 5.12E-01 | 0.023 | 0.028 | 0.84 0.57 - 1.26 | 1.15E-05 | 0.038 | 0.020 | 1.91 1.37 - 2.65 | 1.45 1.74E-02 | FGF12 | intronic |
| 3 | 191963699 | T | C | rs112723257 | 5.10E-01 | 0.024 | 0.028 | 0.85 0.57 - 1.26 | 1.11E-05 | 0.038 | 0.020 | 1.91 1.37 - 2.66 | 1.45 1.75E-02 | FGF12-AS1 | ncRNA_intronic |
| 16 | 84857697 | G | C | rs77396287 | 7.27E-01 | 0.045 | 0.050 | 0.89 0.67 - 1.2 | 6.07E-05 | 0.057 | 0.036 | 1.60 1.23 - 2.09 | 1.36 1.76E-02 | CRISPLD2 | intronic |
| 5 | 125010214 | T | C | rs73318103 | 3.32E-05 | 0.063 | 0.040 | 1.62 1.23 - 2.14 | 3.11E-01 | 0.036 | 0.039 | 0.93 0.68 - 1.27 | 1.34 1.77E-02 | LOC101927460(dist=72294), LOC102546228(dist=505056) | intergenic |
| 3 | 168368215 | C | A | rs4473601 | 5.00E-01 | 0.118 | 0.115 | 0.97 0.8 - 1.17 | 5.63E-05 | 0.161 | 0.132 | 0.79 0.67 - 0.93 | 0.84 1.78E-02 | EGFEM1P | ncRNA_intronic |
| 1 | 31139204 | C | T | rs10914181 | 1.35E-01 | 0.065 | 0.069 | 0.94 0.73 - 1.21 | 5.76E-06 | 0.124 | 0.099 | 1.29 1.08 - 1.55 | 1.24 1.78E-02 | LOC101929406(dist=628745), MATN1(dist=44920) | intergenic |
| 6 | 22492062 | C | A | rs193289480 | 6.32E-01 | 0.026 | 0.028 | 0.92 0.63 - 1.35 | 2.60E-05 | 0.038 | 0.021 | 1.83 1.32 - 2.53 | 1.47 1.78E-02 | PRL(dist=188980), HDGFL1(dist=77616) | intergenic |
| 7 | 62941377 | G | A | rs114322983 | 6.88E-01 | 0.049 | 0.052 | 0.95 0.72 - 1.27 | 3.24E-05 | 0.066 | 0.045 | 1.48 1.16 - 1.9 | 1.36 1.78E-02 | LOC100287834(dist=81958), MIR4283-2(dist=140091) | intergenic |
| 3 | 124870443 | C | T | rs73191256 | 3.22E-01 | 0.261 | 0.250 | 1.06 0.92 - 1.22 | 1.53E-05 | 0.209 | 0.255 | 0.77 0.67 - 0.89 | 0.87 1.79E-02 | SLC12A8 | intronic |
| 10 | 45111378 | T | A | rs75761026;rs199952666 | 1.35E-05 | 0.052 | 0.020 | 2.43 1.74 - 3.39 | 7.46E-01 | 0.039 | 0.042 | 0.91 0.67 - 1.22 | 1.36 1.81E-02 | CXCL12(dist=230833), TMEM72-AS1(dist=195094) | intergenic |
| 3 | 168366608 | T | C | rs9813539 | 5.00E-01 | 0.118 | 0.115 | 0.97 0.8 - 1.17 | 5.91E-05 | 0.160 | 0.130 | 0.79 0.67 - 0.93 | 0.84 1.81E-02 | EGFEM1P | ncRNA_intronic |
| 1 | 113628552 | G | T | rs12069411 | 4.88E-01 | 0.058 | 0.064 | 0.90 0.7 - 1.17 | 3.21E-05 | 0.084 | 0.053 | 1.64 1.32 - 2.05 | 1.26 1.81E-02 | LRIG2 | intronic |
| 12 | 961251 | C | T | rs72648653 | 5.45E-05 | 0.062 | 0.039 | 1.60 1.21 - 2.12 | 7.04E-01 | 0.046 | 0.046 | 1.00 0.76 - 1.33 | 1.30 1.81E-02 | WNK1 | intronic |
| 3 | 15562246 | A | G | rs4685251 | 1.99E-01 | 0.371 | 0.378 | 1.03 0.91 - 1.17 | 5.17E-06 | 0.427 | 0.376 | 0.81 0.72 - 0.91 | 0.89 1.81E-02 | COLQ | intronic |
| 12 | 961703 | G | C | rs80235381 | 5.47E-05 | 0.062 | 0.039 | 1.60 1.21 - 2.12 | 7.03E-01 | 0.046 | 0.046 | 1.00 0.76 - 1.33 | 1.29 1.81E-02 | WNK1 | intronic |
| 12 | 961595 | C | A | rs72648659 | 5.46E-05 | 0.062 | 0.039 | 1.60 1.21 - 2.12 | 7.03E-01 | 0.046 | 0.046 | 1.00 0.76 - 1.33 | 1.29 1.81E-02 | WNK1 | intronic |
| 12 | 964025 | C | T | rs116028079 | 5.65E-05 | 0.062 | 0.040 | 1.61 1.22 - 2.12 | 6.95E-01 | 0.046 | 0.046 | 1.00 0.76 - 1.32 | 1.29 1.81E-02 | WNK1 | intronic |
| 10 | 8248745 | A | T | rs72786315 | 1.63E-05 | 0.054 | 0.025 | 2.23 1.62 - 3.07 | 7.62E-01 | 0.043 | 0.050 | 0.86 0.64 - 1.14 | 1.36 1.82E-02 | GATA3(dist=131581), LINC00708(dist=52550) | intergenic |
| 11 | 8551916 | G | T | rs7105027 | 4.27E-01 | 0.286 | 0.308 | 0.90 0.79 - 1.03 | 3.11E-05 | 0.322 | 0.265 | 1.32 1.16 - 1.5 | 1.13 1.82E-02 | STK33 | intronic |
| 12 | 953134 | C | T | rs77092791 | 5.47E-05 | 0.062 | 0.039 | 1.60 1.21 - 2.12 | 7.06E-01 | 0.046 | 0.046 | 1.00 0.76 - 1.33 | 1.30 1.82E-02 | WNK1 | intronic |
| 12 | 947138 | G | A | rs79755548 | 5.47E-05 | 0.062 | 0.039 | 1.60 1.21 - 2.12 | 7.07E-01 | 0.046 | 0.046 | 1.00 0.76 - 1.33 | 1.30 1.82E-02 | WNK1 | intronic |
| 1 | 56948424 | T | C | rs10888974 | 1.66E-05 | 0.313 | 0.379 | 0.75 0.65 - 0.85 | 3.02E-01 | 0.366 | 0.351 | 1.07 0.95 - 1.21 | 0.89 1.82E-02 | MIR4422(dist=1257028), PPAP2B(dist=11995) | intergenic |
| 12 | 968536 | T | C | rs34728563 | 5.97E-05 | 0.063 | 0.040 | 1.61 1.22 - 2.12 | 6.88E-01 | 0.046 | 0.046 | 1.00 0.76 - 1.32 | 1.29 1.82E-02 | WNK1 | exonic |
| 12 | 968522 | A | G | rs56325964 | 5.97E-05 | 0.063 | 0.040 | 1.61 1.22 - 2.12 | 6.87E-01 | 0.046 | 0.046 | 1.00 0.76 - 1.32 | 1.29 1.82E-02 | WNK1 | exonic |
| 10 | 32368709 | C | T | rs56834753 | 3.56E-05 | 0.137 | 0.194 | 0.66 0.55 - 0.78 | 8.08E-01 | 0.185 | 0.177 | 1.05 0.9 - 1.22 | 0.86 1.83E-02 | KIF5B(dist=23338), EPC1(dist=187935) | intergenic |
| 13 | 106142235 | C | T | rs778294 | 3.18E-01 | 0.217 | 0.229 | 0.93 0.8 - 1.08 | 1.30E-05 | 0.268 | 0.223 | 1.28 1.12 - 1.46 | 1.14 1.84E-02 | DAOA | exonic |
| 14 | 105078251 | C | T | rs4340263 | 2.24E-01 | 0.143 | 0.156 | 1.11 0.93 - 1.32 | 5.08E-06 | 0.192 | 0.144 | 0.71 0.61 - 0.82 | 0.86 1.84E-02 | TMEM179(dist=7154), MIR4710(dist=65780) | intergenic |
| 11 | 7858223 | G | A | rs10839885 | 3.39E-01 | 0.413 | 0.384 | 1.13 1 - 1.28 | 1.20E-05 | 0.346 | 0.421 | 0.73 0.65 - 0.82 | 0.90 1.85E-02 | OR5P3(dist=10704), OR5E1P(dist=12375) | intergenic |
| 10 | 32392248 | G | A | rs11008766 | 5.76E-05 | 0.111 | 0.162 | 0.65 0.53 - 0.78 | 8.92E-01 | 0.151 | 0.146 | 1.04 0.89 - 1.23 | 0.85 1.85E-02 | KIF5B(dist=46877), EPC1(dist=164396) | intergenic |
| 11 | 8548811 | T | C | rs11041960 | 3.97E-01 | 0.283 | 0.305 | 0.90 0.78 - 1.03 | 2.85E-05 | 0.322 | 0.264 | 1.32 1.17 - 1.5 | 1.13 1.86E-02 | STK33 | intronic |
| 1 | 113630151 | T | A | rs12068534 | 4.80E-01 | 0.058 | 0.064 | 0.90 0.69 - 1.17 | 3.32E-05 | 0.084 | 0.053 | 1.64 1.32 - 2.05 | 1.26 1.87E-02 | LRIG2 | intronic |
| 11 | 7855906 | G | C | rs1384509 | 5.64E-01 | 0.431 | 0.409 | 1.10 0.97 - 1.24 | 6.19E-05 | 0.367 | 0.436 | 0.75 0.67 - 0.85 | 0.90 1.88E-02 | OR5P3(dist=8387), OR5E1P(dist=14692) | intergenic |
| 9 | 21359818 | C | A | rs140373339 | 2.00E-06 | 0.055 | 0.035 | 1.63 1.21 - 2.18 | 1.83E-02 | 0.033 | 0.048 | 0.68 0.49 - 0.93 | 0.64 1.88E-02 | IFNA6(dist=8932), IFNA13(dist=7553) | intergenic |
| 2 | 58640888 | A | G | rs6741076 | 2.13E-05 | 0.225 | 0.274 | 1.30 1.12 - 1.5 | 4.39E-01 | 0.291 | 0.292 | 1.01 0.88 - 1.14 | 1.13 1.89E-02 | FANCL(dist=172373), LINC01122(dist=107000) | intergenic |
| 10 | 32396993 | C | T | rs12267125 | 6.43E-05 | 0.111 | 0.162 | 0.65 0.54 - 0.78 | 9.05E-01 | 0.151 | 0.146 | 1.04 0.88 - 1.23 | 0.85 1.89E-02 | KIF5B(dist=51622), EPC1(dist=159651) | intergenic |
| 11 | 8701888 | G | A | rs12363135 | 4.68E-01 | 0.046 | 0.050 | 0.91 0.68 - 1.22 | 4.10E-05 | 0.065 | 0.043 | 1.54 1.2 - 1.97 | 1.33 1.90E-02 | TRIM66(dist=21505), RPL27A(dist=2107) | intergenic |
| 19 | 12366192 | A | T | rs73004246 | 4.14E-05 | 0.283 | 0.236 | 1.28 1.12 - 1.48 | 4.78E-01 | 0.238 | 0.241 | 0.99 0.86 - 1.13 | 1.14 1.90E-02 | LOC100289333(dist=47801), ZNF44(dist=16433) | intergenic |
| 12 | 50331932 | T | C | rs115877344 | 7.96E-01 | 0.040 | 0.043 | 0.93 0.68 - 1.27 | 3.81E-05 | 0.045 | 0.029 | 1.59 1.18 - 2.13 | 1.46 1.90E-02 | LOC101927292(dist=11810), AQP2(dist=12592) | intergenic |
| 4 | 68207078 | T | C | rs1946919 | 3.70E-01 | 0.231 | 0.242 | 0.94 0.81 - 1.09 | 3.93E-05 | 0.273 | 0.228 | 1.28 1.12 - 1.46 | 1.13 1.91E-02 | MIR1269A(dist=1064432), LOC101927237(dist=75945) | intergenic |
| 7 | 113531598 | A | G | rs73716342 | 4.64E-01 | 0.304 | 0.315 | 0.95 0.83 - 1.09 | 5.15E-05 | 0.344 | 0.291 | 1.28 1.13 - 1.45 | 1.12 1.92E-02 | PPP1R3A | intronic |
| 7 | 113515745 | T | C | rs2974941 | 4.73E-01 | 0.302 | 0.313 | 0.95 0.83 - 1.09 | 5.86E-05 | 0.345 | 0.292 | 1.28 1.13 - 1.45 | 1.12 1.92E-02 | LINC00998(dist=757108), PPP1R3A(dist=1137) | intergenic |
| 7 | 113513612 | C | A | rs2974946 | 4.66E-01 | 0.302 | 0.313 | 0.95 0.83 - 1.09 | 5.39E-05 | 0.349 | 0.295 | 1.28 1.13 - 1.45 | 1.12 1.92E-02 | LINC00998(dist=754975), PPP1R3A(dist=3270) | intergenic |
| 5 | 125007541 | G | C | rs733161199 | 2.90E-05 | 0.062 | 0.039 | 1.62 1.23 - 2.15 | 3.06E-01 | 0.036 | 0.039 | 0.92 0.68 - 1.26 | 1.34 1.93E-02 | LOC101927460(dist=69621), LOC102546228(dist=507729) | intergenic |
| 4 | 80212792 | C | T | rs1125 | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 10 | 55413116 | T | C | rs9416295 | 6.39E-05 | 0.139 | 0.091 | 1.62 | 1.34 | -1.96 | 8.57E-01 | 0.114 | 0.122 | 0.92 | 0.77 | -1.11 | 1.21 | 1.95E-02 | MBL2(dist=881656), PCDH15(dist=149417) | intergenic |
| 11 | 18609134 | G | A | rs11024726 | 2.67E-01 | 0.027 | 0.029 | 0.93 | 0.64 | -1.37 | 2.03E-05 | 0.053 | 0.036 | 1.47 | 1.12 | -1.93 | 1.38 | 1.96E-02 | UEVLD | intronic |
| 3 | 102987771 | C | T | rs1565677 | 1.28E-06 | 0.449 | 0.370 | 0.72 | 0.64 | -0.82 | 1.45E-01 | 0.388 | 0.412 | 1.11 | 0.98 | -1.25 | 0.90 | 1.97E-02 | ZPLD1(dist=789086), MIR548AB(dist=255106) | intergenic |
| 7 | 113516616 | T | C | rs2968845 | 4.71E-01 | 0.302 | 0.313 | 1.05 | 0.92 | -1.2 | 6.19E-05 | 0.344 | 0.291 | 0.78 | 0.69 | -0.88 | 0.89 | 1.97E-02 | PPP1R3A | downstream |
| 3 | 63948566 | T | C | rs13434089 | 1.64E-01 | 0.188 | 0.211 | 0.86 | 0.74 | -1.01 | 4.26E-06 | 0.241 | 0.188 | 1.38 | 1.2 | -1.58 | 1.14 | 1.97E-02 | ATXN7 | intronic |
| 18 | 4863799 | G | C | rs8085811 | 3.89E-01 | 0.115 | 0.127 | 0.89 | 0.74 | -1.08 | 9.90E-06 | 0.153 | 0.112 | 1.42 | 1.2 | -1.68 | 1.19 | 1.98E-02 | DLGAP1(dist=408533), C18orf42(dist=279873) | intergenic |
| 12 | 27820498 | C | T | rs11049087 | 6.67E-01 | 0.051 | 0.050 | 1.00 | 0.75 | -1.33 | 2.92E-05 | 0.065 | 0.049 | 1.36 | 1.06 | -1.73 | 1.34 | 1.99E-02 | PPF1BP1 | intronic |
| 16 | 88050653 | T | C | rs6540149 | 3.93E-05 | 0.442 | 0.359 | 1.42 | 1.25 | -1.61 | 5.81E-01 | 0.516 | 0.482 | 0.87 | 0.77 | -0.98 | 1.12 | 1.99E-02 | BANP | intronic |
| 5 | 125006803 | C | A | rs78027030 | 3.00E-05 | 0.062 | 0.039 | 1.62 | 1.23 | -2.15 | 3.00E-01 | 0.036 | 0.039 | 0.92 | 0.68 | -1.26 | 1.34 | 1.99E-02 | LOC101927460(dist=68883), LOC102546228(dist=508467) | intergenic |
| 5 | 125006802 | C | G | rs80345773 | 3.00E-05 | 0.062 | 0.039 | 1.62 | 1.23 | -2.15 | 3.00E-01 | 0.036 | 0.039 | 0.92 | 0.68 | -1.26 | 1.34 | 2.00E-02 | LOC101927460(dist=68882), LOC102546228(dist=508468) | intergenic |
| 3 | 63845411 | C | T | rs9848808 | 5.76E-01 | 0.047 | 0.052 | 0.90 | 0.67 | -1.2 | 6.39E-05 | 0.074 | 0.050 | 1.50 | 1.19 | -1.89 | 1.29 | 2.02E-02 | THOC7 | intronic |
| 3 | 63947565 | A | G | rs73117082 | 1.63E-01 | 0.188 | 0.212 | 0.86 | 0.74 | -1.01 | 4.48E-06 | 0.241 | 0.187 | 1.38 | 1.2 | -1.58 | 1.14 | 2.03E-02 | ATXN7 | intronic |
| 3 | 191961313 | C | T | rs112140525 | 5.61E-01 | 0.025 | 0.029 | 0.86 | 0.58 | -1.27 | 2.92E-05 | 0.038 | 0.021 | 1.84 | 1.33 | -2.56 | 1.43 | 2.04E-02 | FGF12-AS1 | ncRNA_intronic |
| 2 | 57698355 | T | C | rs80155642 | 7.03E-01 | 0.028 | 0.028 | 1.00 | 0.68 | -1.46 | 5.84E-05 | 0.040 | 0.026 | 1.58 | 1.15 | -2.16 | 1.43 | 2.05E-02 | CCDC85A(dist=1085046), VRK2(dist=436431) | intergenic |
| 10 | 54697447 | G | T | rs10824840 | 4.53E-05 | 0.229 | 0.172 | 1.43 | 1.23 | -1.67 | 7.98E-01 | 0.232 | 0.240 | 0.96 | 0.83 | -1.1 | 1.18 | 2.05E-02 | MBL2(dist=165987), PCDH15(dist=865086) | intergenic |
| 14 | 95945809 | A | T | rs10145061 | 6.41E-05 | 0.328 | 0.283 | 1.23 | 1.08 | -1.41 | 5.72E-01 | 0.275 | 0.270 | 1.03 | 0.9 | -1.17 | 1.12 | 2.05E-02 | SYNE3(dist=3636), SNHG10(dist=53440) | intergenic |
| 18 | 4863506 | C | T | rs73942629 | 3.88E-01 | 0.114 | 0.127 | 0.89 | 0.74 | -1.08 | 1.10E-05 | 0.152 | 0.112 | 1.42 | 1.2 | -1.68 | 1.19 | 2.06E-02 | DLGAP1(dist=408240), C18orf42(dist=280166) | intergenic |
| 18 | 4863586 | T | C | rs73942630 | 3.88E-01 | 0.114 | 0.127 | 0.89 | 0.74 | -1.08 | 1.10E-05 | 0.152 | 0.112 | 1.42 | 1.2 | -1.68 | 1.19 | 2.06E-02 | DLGAP1(dist=408320), C18orf42(dist=280086) | intergenic |
| 1 | 228397599 | A | G | rs111238500 | 3.46E-05 | 0.064 | 0.041 | 1.61 | 1.22 | -2.12 | 3.18E-01 | 0.036 | 0.039 | 0.91 | 0.67 | -1.24 | 1.31 | 2.07E-02 | C1orf145 | ncRNA_intronic |
| 10 | 30781570 | C | T | rs638750 | 4.30E-05 | 0.353 | 0.274 | 1.45 | 1.27 | -1.65 | 7.05E-01 | 0.346 | 0.367 | 0.91 | 0.81 | -1.03 | 1.14 | 2.07E-02 | MAP3K8(dist=30808), LYZL2(dist=119138) | intergenic |
| 11 | 8537411 | G | A | rs2311390 | 3.95E-01 | 0.282 | 0.304 | 0.90 | 0.78 | -1.03 | 3.01E-05 | 0.319 | 0.262 | 1.32 | 1.16 | -1.5 | 1.12 | 2.08E-02 | STK33 | intronic |
| 3 | 168353911 | A | G | rs9822406 | 4.40E-01 | 0.125 | 0.124 | 0.99 | 0.82 | -1.19 | 3.69E-05 | 0.165 | 0.135 | 0.79 | 0.67 | -0.93 | 0.85 | 2.09E-02 | EGFEM1P | ncRNA_intronic |
| 7 | 113520262 | C | T | rs11973095 | 4.58E-01 | 0.302 | 0.313 | 0.95 | 0.83 | -1.09 | 6.39E-05 | 0.344 | 0.291 | 1.28 | 1.13 | -1.45 | 1.12 | 2.09E-02 | PPP1R3A | intronic |
| 7 | 108837388 | C | G | rs12705547 | 4.96E-05 | 0.169 | 0.129 | 0.73 | 0.61 | -0.86 | 4.39E-01 | 0.152 | 0.158 | 1.05 | 0.89 | -1.24 | 0.85 | 2.09E-02 | C7orf66(dist=312744), EIF3IP1(dist=761896) | intergenic |
| 8 | 89280293 | C | T | rs11993260 | 3.45E-01 | 0.127 | 0.124 | 1.02 | 0.85 | -1.23 | 2.82E-05 | 0.089 | 0.120 | 0.71 | 0.58 | -0.87 | 0.84 | 2.10E-02 | MMP16 | intronic |
| 1 | 52318896 | A | T | rs7535118 | 3.31E-05 | 0.524 | 0.459 | 1.30 | 1.15 | -1.47 | 4.17E-01 | 0.468 | 0.480 | 0.95 | 0.85 | -1.07 | 1.12 | 2.11E-02 | NRD1 | intronic |
| 3 | 168364224 | A | G | rs4955612 | 4.53E-01 | 0.119 | 0.117 | 0.98 | 0.81 | -1.19 | 5.49E-05 | 0.160 | 0.131 | 0.79 | 0.67 | -0.93 | 0.85 | 2.12E-02 | EGFEM1P | ncRNA_intronic |
| 10 | 45137400 | T | C | rs11598178 | 2.62E-05 | 0.048 | 0.020 | 2.48 | 1.75 | -3.5 | 7.85E-01 | 0.038 | 0.042 | 0.91 | 0.67 | -1.23 | 1.36 | 2.13E-02 | CXCL12(dist=256855), TMEM72-AS1(dist=169072) | intergenic |
| 11 | 121112930 | T | G | rs77841459 | 4.62E-01 | 0.182 | 0.184 | 0.99 | 0.84 | -1.16 | 2.33E-05 | 0.123 | 0.153 | 0.78 | 0.65 | -0.93 | 0.85 | 2.13E-02 | TECTA(dist=51415), SC5D(dist=50458) | intergenic |
| 3 | 168357880 | A | G | rs78815182 | 2.39E-01 | 0.164 | 0.170 | 1.04 | 0.88 | -1.23 | 5.89E-06 | 0.215 | 0.180 | 0.80 | 0.69 | -0.93 | 0.85 | 2.14E-02 | EGFEM1P | ncRNA_intronic |
| 3 | 109043846 | G | A | rs144630234 | 3.10E-01 | 0.036 | 0.044 | 0.81 | 0.59 | -1.12 | 8.98E-06 | 0.058 | 0.035 | 1.67 | 1.28 | -2.18 | 1.34 | 2.14E-02 | DPPA2(dist=8482), DPPA4(dist=1142) | intergenic |
| 6 | 138685826 | T | A | rs59509954 | 4.74E-01 | 0.228 | 0.229 | 1.00 | 0.86 | -1.16 | 4.89E-05 | 0.177 | 0.211 | 0.80 | 0.69 | -0.94 | 0.88 | 2.14E-02 | ARFGEF3(dist=20026), HEBP2(dist=39510) | intergenic |
| 6 | 4995739 | C | T | rs59365793 | 4.44E-05 | 0.046 | 0.024 | 1.98 | 1.42 | -2.77 | 5.06E-01 | 0.031 | 0.033 | 0.93 | 0.66 | -1.3 | 1.36 | 2.15E-02 | RPP40 | intronic |
| 10 | 51489215 | C | T | rs2611493 | 1.62E-05 | 0.276 | 0.211 | 1.42 | 1.23 | -1.64 | 6.38E-01 | 0.269 | 0.284 | 0.93 | 0.81 | -1.06 | 1.16 | 2.15E-02 | TIMM23B | intronic |
| 1 | 198334066 | T | G | rs76504062 | 4.22E-05 | 0.041 | 0.023 | 1.84 | 1.29 | -2.61 | 5.73E-01 | 0.030 | 0.031 | 0.98 | 0.69 | -1.37 | 1.38 | 2.16E-02 | NEK7(dist=42518), ATP6V1G3(dist=158286) | intergenic |
| 11 | 8535922 | G | A | rs1992756 | 3.97E-01 | 0.282 | 0.304 | 0.90 | 0.78 | -1.03 | 3.14E-05 | 0.317 | 0.261 | 1.32 | 1.16 | -1.5 | 1.12 | 2.17E-02 | STK33 | intronic |
| 14 | 70290372 | C | T | rs4362329;rs386778565 | 3.52E-05 | 0.277 | 0.336 | 0.76 | 0.66 | -0.87 | 3.76E-01 | 0.321 | 0.308 | 1.06 | 0.94 | -1.2 | 0.89 | 2.18E-02 | SLC10A1(dist=26366), SMOC1(dist=55742) | intergenic |
| 7 | 113535598 | T | C | rs73716343 | 4.28E-01 | 0.301 | 0.313 | 0.95 | 0.83 | -1.08 | 5.17E-05 | 0.343 | 0.290 | 1.28 | 1.13 | -1.45 | 1.12 | 2.18E-02 | PPP1R3A | intronic |
| 6 | 29857481 | C | T | rs113828362 | 4.76E-05 | 0.029 | 0.050 | 0.56 | 0.39 | -0.79 | 7.96E-01 | 0.059 | 0.055 | 1.09 | 0.85 | -1.39 | 0.76 | 2.18E-02 | HLA-H | ncRNA_intronic |
| 3 | 168355606 | T | C | rs9858473 | 3.43E-01 | 0.122 | 0.122 | 1.00 | 0.83 | -1.21 | 2.13E-05 | 0.164 | 0.134 | 0.78 | 0.67 | -0.92 | 0.85 | 2.19E-02 | EGFEM1P | ncRNA_intronic |
| 7 | 14248167 | T | A | rs6948615 | 6.89E-01 | 0.154 | 0.165 | 0.92 | 0.78 | -1.1 | 2.82E-05 | 0.169 | 0.131 | 1.35 | 1.15 | -1.59 | 1.18 | 2.20E-02 | DGKB | intronic |
| 4 | 8323436 | G | T | rs59072166 | 4.39E-01 | 0.437 | 0.450 | 1.05 | 0.93 | -1.19 | 4.43E-05 | 0.450 | 0.400 | 0.82 | 0.72 | -0.92 | 0.89 | 2.20E-02 | HTRA3(dist=14598), ACOX3(dist=44573) | intergenic |
| 11 | 7858214 | C | T | rs10839884 | 3.29E-01 | 0.413 | 0.382 | 1.13 | 1 | -1.29 | 1.82E-05 | 0.343 | 0.417 | 0.73 | 0.65 | -0.83 | 0.90 | 2.21E-02 | OR5P3(dist=10695), OR5E1P(dist=12384) | intergenic |
| 4 | 68207449 | A | G | rs1946920 | 3.70E-01 | 0.235 | 0.246 | 0.94 | 0.82 | -1.09 | 5.92E-05 | 0.278 | 0.233 | 1.27 | 1.11 | -1.44 | 1.13 | 2.21E-02 | MIR1269A(dist=1064803), LOC101927237(dist=75574) | intergenic |
| 17 | 64449239 | T | C | rs12948610 | 5.12E-01 | 0.401 | 0.405 | 1.01 | 0.89 | -1.15 | 3.14E-05 | 0.471 | 0.423 | 0.82 | 0.73 | -0.93 | 0.90 | 2.21E-02 | PRKCA | intronic |
| 14 | 105079171 | T | C | rs10135130 | 2.24E-01 | 0.124 | 0.136 | 1.11 | 0.92 | -1.34 | 1.73E-05 | 0.173 | 0.130 | 0.71 | 0.61 | -0.84 | 0.86 | 2.21E-02 | TMEM179(dist=8074), MIR4710(dist=64860) | intergenic |
| 10 | 43785421 | G | A | rs79510300 | 3.81E-05 | 0.051 | 0.028 | 1.89 | 1.37 | -2.59 | 9.68E-01 | 0.041 | 0.043 | 0.94 | 0.7 | -1.26 | 1.36 | 2.23E-02 | RASGEF1A(dist=23054), FXDY4(dist=81671) | intergenic |
| 6 | 31523684 | C | A | rs550585935 | 4.12E-01 | 0.382 | 0.400 | 0.93 | 0.82 | -1.05 | 5.79E-05 | 0.433 | 0.376 | 1.27 | 1.12 | -1.43 | 1.13 | 2.23E-02 | NFKB1L1 | intronic |
| 6 | 5003928 | C | A | rs73359952 | 4.99E-05 | 0.046 | 0.024 | 1.93 | 1.38 | -2.69 | 5.28E-01 | 0.032 | 0.034 | 0.93 | 0.67 | -1.3 | 1.36 | 2.24E-02 | RPP40 | intronic |
| 11 | 97805685 | C | T | rs11213252 | 3.83E-01 | 0.082 | 0.078 | 1.06 | 0.84 | -1.33 | 3.22E-05 | 0.110 | 0.087 | 1.30 | 1.07 | -1.58 | 1.21 | 2.24E-02 | JRKL-AS1(dist=1565644), CNTN5(dist=1086021) | intergenic |
| 3 | 102998357 | T | C | rs9790025 | 9.56E-07 | 0.448 | 0.368 | 0.72 | 0.63 | -0.81 | 1.15E-01 | 0.383 | 0.409 | 1.11 | 0.99 | -1.26 | 0.90 | 2.26E-02 | ZPLD1(dist=799672), MIR548AB(dist=244520) | intergenic |
| 10 | 51533376 | C | T | rs9787697 | 1.48E-05 | 0.250 | 0.182 | 1.50 | 1.29 | -1.74 | 6.38E-01 | 0.213 | 0.227 | 0.92 | 0.8 | -1.06 | 1.14 | 2.26E-02 | TIMM23B | intronic |
| 2 | 158857586 | G | C | rs17419998 | 4.00E-01 | 0.028 | 0.027 | 1.04 | 0.71 | -1.51 | 4.78E-05 | 0.045 | 0.029 | 1.60 | 1.19 | -2.14 | 1.39 | 2.27E-02 | UPP2 | intronic |
| 17 | 15895365 | C | A | rs112909984 | 6.45E-01 | 0.350 | 0.356 | 0.98 | 0.86 | -1.11 | 5.88E-05 | 0.281 | 0.317 | 0.84 | 0.74 | -0.96 | 0.89 | 2.28E-02 | ZSWIM7 | intronic |
| 15 | 27629735 | G | T | rs75307139 | 7.54E-01 | 0.047 | 0.051 | 0.92 | 0.69 | -1.23 | 2.83E-05 | 0.051 | 0.031 | 1.67 | 1.27 | -2.21 | 1.33 | 2.29E-02 | GABRG3 | intronic |
| 8 | 3108085 | T | G | rs78561648 | 3.87E-01 | 0.290 | 0.307 | 1.08 | 0.95 | -1.24 | 5.00E-05 | 0.332 | 0.272 | 0.75 | 0.66 | -0.85 | 0.89 | 2.33E-02 | CSMD1 | intronic |
| 15 | 27630264 | T | C | rs78559188 | 7.46E-01 | 0.047 | 0.051 | 0.92 | 0.69 | -1.23 | 2.85E-05 | 0.051 | 0.031 | 1.67 | 1.27 | -2.21 | 1.32 | 2.33E-02 | GABRG3 | intronic |
| 14 | 105056239 | G | A | rs12589 | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 19 | 22667619 | C | T | rs2905568 | 5.93E-01 | 0.028 | 0.033 | 0.83 | 0.58 | -1.2 | 4.91E-05 | 0.037 | 0.021 | 1.78 | 1.28 | -2.48 | 1.45 | 2.46E-02 | ZNF98(dist=62471), LOC101929124(dist=36178) | intergenic |
| 10 | 131147153 | G | A | rs10829593 | 1.31E-01 | 0.187 | 0.199 | 0.92 | 0.79 | -1.08 | 9.70E-06 | 0.262 | 0.224 | 1.23 | 1.07 | -1.4 | 1.16 | 2.47E-02 | LINC01163(dist=1031163), MGMT(dist=118301) | intergenic |
| 11 | 8510768 | C | T | rs11041949 | 3.32E-01 | 0.281 | 0.305 | 0.89 | 0.78 | -1.02 | 2.39E-05 | 0.321 | 0.263 | 1.32 | 1.16 | -1.5 | 1.12 | 2.48E-02 | STK33 | intronic |
| 14 | 70290365 | T | C | rs4499177 | 6.12E-05 | 0.269 | 0.325 | 0.77 | 0.67 | -0.88 | 4.02E-01 | 0.310 | 0.299 | 1.05 | 0.93 | -1.2 | 0.89 | 2.49E-02 | SLC10A1(dist=26359), SMOG1(dist=55749) | intergenic |
| 10 | 45086041 | C | G | rs17487158 | 2.20E-05 | 0.053 | 0.023 | 2.35 | 1.7 | -3.26 | 6.79E-01 | 0.039 | 0.043 | 0.89 | 0.66 | -1.21 | 1.33 | 2.49E-02 | CXCL12(dist=205496), TMEM72-AS1(dist=220431) | intergenic |
| 10 | 45102034 | C | T | rs75290175 | 2.52E-05 | 0.052 | 0.022 | 2.38 | 1.71 | -3.32 | 7.03E-01 | 0.039 | 0.043 | 0.90 | 0.67 | -1.21 | 1.34 | 2.50E-02 | CXCL12(dist=221489), TMEM72-AS1(dist=204438) | intergenic |
| 3 | 168355026 | G | A | rs3911096 | 3.83E-01 | 0.118 | 0.117 | 0.99 | 0.82 | -1.2 | 4.34E-05 | 0.160 | 0.131 | 0.79 | 0.67 | -0.93 | 0.85 | 2.50E-02 | EGFEM1P | ncRNA_intronic |
| 8 | 73349039 | T | C | rs972220 | 3.13E-01 | 0.330 | 0.337 | 0.97 | 0.85 | -1.11 | 2.42E-05 | 0.391 | 0.342 | 1.24 | 1.1 | -1.4 | 1.12 | 2.51E-02 | LOC392232(dist=185170), KCNB2(dist=100587) | intergenic |
| 8 | 89298250 | C | T | rs61656674 | 2.51E-01 | 0.108 | 0.104 | 1.05 | 0.86 | -1.28 | 2.97E-05 | 0.072 | 0.102 | 0.68 | 0.54 | -0.85 | 0.84 | 2.51E-02 | MMP16 | intronic |
| 10 | 45087603 | C | T | rs11592776 | 2.30E-05 | 0.053 | 0.023 | 2.35 | 1.7 | -3.26 | 6.84E-01 | 0.039 | 0.043 | 0.90 | 0.66 | -1.21 | 1.33 | 2.51E-02 | CXCL12(dist=207058), TMEM72-AS1(dist=218869) | intergenic |
| 10 | 45090556 | C | T | rs111397841 | 2.34E-05 | 0.053 | 0.023 | 2.36 | 1.7 | -3.27 | 6.86E-01 | 0.039 | 0.043 | 0.90 | 0.66 | -1.21 | 1.33 | 2.52E-02 | CXCL12(dist=210011), TMEM72-AS1(dist=215916) | intergenic |
| 5 | 68301163 | A | G | rs4594812 | 4.63E-01 | 0.480 | 0.503 | 1.10 | 0.97 | -1.24 | 4.99E-05 | 0.533 | 0.462 | 0.75 | 0.67 | -0.85 | 0.90 | 2.53E-02 | LOC101928885 | ncRNA_intronic |
| 4 | 7805994 | C | T | rs56270003 | 3.30E-05 | 0.263 | 0.207 | 1.37 | 1.19 | -1.58 | 3.67E-01 | 0.212 | 0.225 | 0.92 | 0.8 | -1.07 | 1.13 | 2.53E-02 | AFAP1 | intronic |
| 11 | 8525987 | T | C | rs73405938 | 3.32E-01 | 0.281 | 0.305 | 0.89 | 0.78 | -1.02 | 2.64E-05 | 0.320 | 0.262 | 1.32 | 1.16 | -1.5 | 1.12 | 2.54E-02 | STK33 | intronic |
| 8 | 98900769 | A | G | rs7831897 | 3.92E-05 | 0.341 | 0.293 | 0.80 | 0.7 | -0.92 | 4.35E-01 | 0.283 | 0.282 | 1.00 | 0.87 | -1.13 | 0.89 | 2.54E-02 | MATN2 | intronic |
| 11 | 104474468 | A | T | rs11226439 | 2.74E-01 | 0.299 | 0.285 | 1.07 | 0.94 | -1.23 | 2.96E-05 | 0.236 | 0.285 | 0.78 | 0.68 | -0.89 | 0.89 | 2.55E-02 | LOC102723895 | ncRNA_intronic |
| 12 | 5070721 | A | T | rs79224966 | 2.17E-05 | 0.061 | 0.030 | 2.06 | 1.53 | -2.77 | 4.79E-01 | 0.055 | 0.064 | 0.85 | 0.66 | -1.1 | 1.29 | 2.59E-02 | KCNA1(dist=43299), KCNA5(dist=82364) | intergenic |
| 14 | 105078153 | C | T | rs10136937 | 1.32E-01 | 0.144 | 0.159 | 1.13 | 0.95 | -1.34 | 5.08E-06 | 0.192 | 0.144 | 0.71 | 0.61 | -0.82 | 0.87 | 2.59E-02 | TMEM179(dist=7056), MIR4710(dist=65878) | intergenic |
| 6 | 29856495 | G | A | rs111613560 | 5.27E-05 | 0.028 | 0.050 | 0.56 | 0.39 | -0.79 | 7.40E-01 | 0.059 | 0.054 | 1.10 | 0.85 | -1.41 | 0.77 | 2.60E-02 | HLA-H | ncRNA_exonic |
| 11 | 8512293 | T | C | rs12576961 | 3.31E-01 | 0.281 | 0.306 | 0.89 | 0.78 | -1.02 | 2.71E-05 | 0.320 | 0.263 | 1.32 | 1.16 | -1.5 | 1.12 | 2.61E-02 | STK33 | intronic |
| 1 | 61803341 | C | A | rs12134760 | 2.88E-01 | 0.079 | 0.087 | 0.89 | 0.71 | -1.12 | 2.92E-05 | 0.116 | 0.083 | 1.45 | 1.2 | -1.76 | 1.20 | 2.64E-02 | NFIA | intronic |
| 10 | 51535931 | T | C | rs10763539 | 2.21E-05 | 0.247 | 0.182 | 1.47 | 1.27 | -1.71 | 6.50E-01 | 0.214 | 0.227 | 0.92 | 0.8 | -1.06 | 1.14 | 2.66E-02 | TIMM23B | intronic |
| 3 | 63942188 | C | G | rs28675788 | 1.58E-01 | 0.193 | 0.217 | 0.87 | 0.74 | -1.01 | 8.79E-06 | 0.243 | 0.191 | 1.36 | 1.18 | -1.56 | 1.13 | 2.68E-02 | ATXN7 | intronic |
| 13 | 19572789 | C | T | rs75204121 | 4.51E-01 | 0.034 | 0.042 | 0.82 | 0.59 | -1.14 | 3.42E-05 | 0.047 | 0.027 | 1.76 | 1.31 | -2.35 | 1.37 | 2.68E-02 | LINC00408(dist=71908), LINC00442(dist=9610) | intergenic |
| 11 | 18601790 | C | T | rs61884723 | 2.67E-01 | 0.026 | 0.027 | 0.93 | 0.63 | -1.37 | 4.98E-05 | 0.051 | 0.036 | 1.46 | 1.11 | -1.93 | 1.35 | 2.69E-02 | UEVLD | intronic |
| 3 | 63885615 | T | C | rs864975 | 1.57E-01 | 0.189 | 0.213 | 1.16 | 1 | -1.36 | 9.15E-06 | 0.237 | 0.185 | 0.73 | 0.64 | -0.84 | 0.88 | 2.69E-02 | ATXN7 | intronic |
| 10 | 51489367 | C | T | rs2843566 | 1.95E-05 | 0.276 | 0.214 | 1.40 | 1.22 | -1.62 | 5.60E-01 | 0.265 | 0.281 | 0.93 | 0.81 | -1.06 | 1.16 | 2.70E-02 | TIMM23B | intronic |
| 3 | 70340088 | C | A | rs6766949 | 4.03E-05 | 0.289 | 0.237 | 1.31 | 1.14 | -1.51 | 3.70E-01 | 0.246 | 0.257 | 0.94 | 0.82 | -1.08 | 1.12 | 2.70E-02 | LINC01212(dist=275637), FOXP1(dist=663777) | intergenic |
| 18 | 6957276 | C | G | rs57275297 | 2.69E-02 | 0.117 | 0.141 | 0.80 | 0.66 | -0.97 | 2.64E-05 | 0.116 | 0.090 | 1.33 | 1.1 | -1.61 | 0.76 | 2.70E-02 | LOC101927188 | ncRNA_exonic |
| 1 | 56907563 | T | C | rs5011302 | 6.12E-05 | 0.318 | 0.369 | 1.26 | 1.1 | -1.44 | 3.54E-01 | 0.366 | 0.361 | 0.98 | 0.87 | -1.11 | 1.12 | 2.72E-02 | MIR4422(dist=1216167), PPAP2B(dist=52856) | intergenic |
| 13 | 19610086 | C | T | rs139213760 | 5.62E-01 | 0.031 | 0.036 | 0.84 | 0.59 | -1.19 | 3.50E-05 | 0.041 | 0.024 | 1.73 | 1.27 | -2.37 | 1.42 | 2.72E-02 | LINC00442(dist=23312), RNU6-52P(dist=107036) | intergenic |
| 4 | 35967098 | G | A | rs1655034 | 9.57E-06 | 0.181 | 0.131 | 0.68 | 0.58 | -0.81 | 3.07E-01 | 0.155 | 0.175 | 1.16 | 0.99 | -1.36 | 0.87 | 2.72E-02 | LOC101928622(dist=1925583), ARAP2(dist=100522) | intergenic |
| 3 | 70354813 | C | T | rs9821744 | 3.72E-05 | 0.285 | 0.233 | 1.32 | 1.14 | -1.51 | 3.42E-01 | 0.241 | 0.253 | 0.94 | 0.82 | -1.08 | 1.12 | 2.76E-02 | LINC01212(dist=290362), FOXP1(dist=649052) | intergenic |
| 14 | 100192235 | C | T | rs115257069 | 2.77E-05 | 0.053 | 0.034 | 1.60 | 1.19 | -2.16 | 6.13E-01 | 0.038 | 0.039 | 0.98 | 0.72 | -1.32 | 1.33 | 2.78E-02 | CYP46A1 | intronic |
| 2 | 208189865 | C | T | rs59408366 | 2.15E-01 | 0.145 | 0.126 | 1.17 | 0.98 | -1.4 | 1.28E-05 | 0.104 | 0.149 | 0.66 | 0.55 | -0.8 | 0.86 | 2.78E-02 | MIR1302-4(dist=55717), CREB1(dist=204751) | intergenic |
| 11 | 8492384 | A | T | rs58049051 | 3.40E-01 | 0.031 | 0.036 | 0.85 | 0.6 | -1.2 | 2.70E-05 | 0.058 | 0.037 | 1.60 | 1.23 | -2.08 | 1.33 | 2.78E-02 | STK33 | intronic |
| 3 | 70350151 | A | T | rs55857676 | 3.74E-05 | 0.286 | 0.233 | 1.32 | 1.14 | -1.51 | 3.53E-01 | 0.242 | 0.253 | 0.94 | 0.82 | -1.08 | 1.12 | 2.79E-02 | LINC01212(dist=285700), FOXP1(dist=653714) | intergenic |
| 11 | 18699020 | C | T | rs144787688 | 5.69E-01 | 0.065 | 0.068 | 0.95 | 0.74 | -1.22 | 3.86E-05 | 0.065 | 0.044 | 1.51 | 1.18 | -1.94 | 1.29 | 2.79E-02 | SPTY2D1(dist=43000), TMEM86A(dist=21262) | intergenic |
| 2 | 204702013 | G | T | rs4675372 | 3.42E-01 | 0.391 | 0.377 | 1.06 | 0.93 | -1.2 | 5.25E-05 | 0.327 | 0.384 | 0.78 | 0.69 | -0.88 | 0.90 | 2.79E-02 | CD28(dist=98377), CTLA4(dist=30498) | intergenic |
| 8 | 137390523 | T | G | rs142012437 | 8.21E-01 | 0.041 | 0.044 | 0.92 | 0.68 | -1.25 | 5.81E-05 | 0.037 | 0.023 | 1.64 | 1.18 | -2.28 | 1.46 | 2.79E-02 | KHDRBS3(dist=730671), LOC101927915(dist=1027821) | intergenic |
| 8 | 5961552 | G | C | rs75241974 | 3.18E-01 | 0.190 | 0.214 | 0.86 | 0.74 | -1.01 | 2.61E-05 | 0.227 | 0.173 | 1.40 | 1.22 | -1.62 | 1.14 | 2.79E-02 | CSMD1(dist=1109224), LOC100287015(dist=299525) | intergenic |
| 6 | 67797092 | T | C | rs2503908;rs386702272 | 4.01E-05 | 0.015 | 0.030 | 2.01 | 1.26 | -3.2 | 4.46E-01 | 0.034 | 0.038 | 1.13 | 0.82 | -1.56 | 1.37 | 2.80E-02 | SLC25A51P1(dist=1297716), LOC102723883(dist=968151) | intergenic |
| 1 | 247363061 | C | T | rs72770366 | 3.21E-05 | 0.098 | 0.142 | 0.66 | 0.54 | -0.8 | 3.99E-01 | 0.155 | 0.144 | 1.09 | 0.93 | -1.28 | 0.85 | 2.81E-02 | ZNF124(dist=27742), MIR3916(dist=2208) | intergenic |
| 3 | 70355004 | G | C | rs9858666 | 3.77E-05 | 0.285 | 0.233 | 1.32 | 1.14 | -1.51 | 3.39E-01 | 0.241 | 0.253 | 0.94 | 0.82 | -1.08 | 1.12 | 2.81E-02 | LINC01212(dist=290553), FOXP1(dist=648861) | intergenic |
| 3 | 63902629 | G | A | rs6770864 | 1.17E-01 | 0.188 | 0.215 | 0.85 | 0.73 | -0.99 | 4.83E-06 | 0.241 | 0.187 | 1.38 | 1.2 | -1.59 | 1.13 | 2.81E-02 | ATXN7 | intronic |
| 2 | 208189004 | G | C | rs6708803 | 2.12E-01 | 0.145 | 0.126 | 1.17 | 0.98 | -1.4 | 1.25E-05 | 0.103 | 0.148 | 0.66 | 0.55 | -0.8 | 0.86 | 2.82E-02 | MIR1302-4(dist=54856), CREB1(dist=205612) | intergenic |
| 2 | 208190557 | G | A | rs138675833 | 2.17E-01 | 0.145 | 0.126 | 1.17 | 0.98 | -1.4 | 1.38E-05 | 0.104 | 0.149 | 0.66 | 0.55 | -0.8 | 0.86 | 2.82E-02 | MIR1302-4(dist=56409), CREB1(dist=204059) | intergenic |
| 2 | 208189282 | T | C | rs16839629 | 2.12E-01 | 0.145 | 0.126 | 1.17 | 0.98 | -1.4 | 1.26E-05 | 0.104 | 0.149 | 0.66 | 0.55 | -0.8 | 0.86 | 2.82E-02 | MIR1302-4(dist=55134), CREB1(dist=205334) | intergenic |
| 14 | 105058609 | T | C | rs3809460 | 2.39E-01 | 0.119 | 0.130 | 1.11 | 0.92 | -1.34 | 3.06E-05 | 0.163 | 0.122 | 0.72 | 0.61 | -0.84 | 0.86 | 2.82E-02 | TMEM179(NM_001286389;c.*1207A>G) | UTR3 |
| 11 | 108386511 | A | T | rs145330547 | 5.49E-05 | 0.039 | 0.022 | 1.80 | 1.26 | -2.57 | 4.52E-01 | 0.025 | 0.027 | 0.93 | 0.64 | -1.34 | 1.40 | 2.84E-02 | EXPH5 | intronic |
| 11 | 108377992 | C | G | rs80303863 | 5.02E-05 | 0.039 | 0.022 | 1.80 | 1.26 | -2.58 | 4.42E-01 | 0.025 | 0.027 | 0.92 | 0.64 | -1.34 | 1.40 | 2.84E-02 | EXPH5(NM_015065;c.*2272G>C) | UTR3 |
| 1 | 104464617 | A | G | rs11185332 | 2.00E-01 | 0.246 | 0.260 | 0.93 | 0.8 | -1.07 | 9.91E-06 | 0.313 | 0.260 | 1.30 | 1.14 | -1.47 | 1.12 | 2.85E-02 | AMY1A(dist=163306), LOC100129138(dist=151028) | intergenic |
| 14 | 105058810 | G | T | rs3809457 | 2.37E-01 | 0.119 | 0.130 | 1.11 | 0.92 | -1.34 | 3.07E-05 | 0.163 | 0.122 | 0.72 | 0.61 | -0.84 | 0.86 | 2.85E-02 | TMEM179(NM_001286389;c.*1006C>A) | UTR3 |
| 10 | 51532751 | G | A | rs4630241 | 2.86E-05 | 0.251 | 0.184 | 1.48 | 1.28 | -1.72 | 6.42E-01 | 0.214 | 0.228 | 0.92 | 0.8 | -1.06 | 1.13 | 2.86E-02 | TIMM23B | intronic |
| 3 | 70343784 | C | T | rs9866714 | 4.04E-05 | 0.287 | 0.235 | 1.31 | 1.14 | -1.51 | 3.51E-01 | 0.245 | 0.256 | 0.94 | 0.82 | -1.08 | 1.12 | 2.86E-02 | LINC01212(dist=279333), FOXP1(dist=660081) | intergenic |
| 3 | 28268286 | C | A | rs11129313 | 5.59E-05 | 0.372 | 0.446 | 0.73 | 0.65 | -0.83 | 3.65E-01 | 0.442 | 0.422 | 1.08 | 0.96 | -1.22 | 0.90 | 2.86E-02 | EOMES(dist=504080), CMC1(dist=14838) | intergenic |
| 12 | 5072479 | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|-------------|----------|-------|-------|------|-------------|------|----------|---|----------------|
| 11 | 8513242 | G | A | rs7933271 | 3.24E-01 | 0.281 | 0.305 | 0.89 | 0.78 - 1.02 | 3.25E-05 | 0.319 | 0.263 | 1.32 | 1.16 - 1.49 | 1.12 | 2.93E-02 | STK33 | intronic |
| 11 | 8539069 | C | T | rs12226069 | 2.71E-01 | 0.296 | 0.321 | 0.89 | 0.78 - 1.02 | 1.79E-05 | 0.330 | 0.275 | 1.30 | 1.15 - 1.48 | 1.12 | 2.94E-02 | STK33 | intronic |
| 11 | 8489008 | T | C | rs149189806 | 3.46E-01 | 0.030 | 0.036 | 0.85 | 0.6 - 1.21 | 2.94E-05 | 0.056 | 0.036 | 1.60 | 1.23 - 2.09 | 1.33 | 2.95E-02 | STK33 | intronic |
| 2 | 96782402 | C | T | rs192933554 | 4.11E-01 | 0.032 | 0.035 | 0.91 | 0.64 - 1.29 | 2.22E-05 | 0.042 | 0.026 | 1.63 | 1.19 - 2.21 | 1.45 | 2.95E-02 | ADORA2B | upstream |
| 12 | 44275761 | G | C | rs181909989 | 2.19E-01 | 0.083 | 0.097 | 0.84 | 0.68 - 1.05 | 2.32E-05 | 0.115 | 0.079 | 1.53 | 1.26 - 1.84 | 1.21 | 2.96E-02 | TMEM117 | intronic |
| 13 | 106145934 | G | A | rs9519690 | 2.52E-01 | 0.214 | 0.228 | 0.92 | 0.79 - 1.07 | 4.11E-05 | 0.262 | 0.217 | 1.28 | 1.12 - 1.46 | 1.13 | 2.98E-02 | DAOA-AS1 | ncRNA_intronic |
| 13 | 106150041 | A | T | rs778326 | 2.41E-01 | 0.213 | 0.228 | 0.92 | 0.79 - 1.07 | 3.87E-05 | 0.262 | 0.217 | 1.28 | 1.12 - 1.46 | 1.13 | 2.98E-02 | DAOA-AS1 | ncRNA_intronic |
| 3 | 70339885 | C | T | rs6766653 | 1.32E-05 | 0.304 | 0.249 | 1.32 | 1.15 - 1.51 | 2.30E-01 | 0.252 | 0.266 | 0.93 | 0.81 - 1.06 | 1.12 | 3.00E-02 | LINC01212(dist=275434), FOXF1(dist=663980) | intergenic |
| 3 | 168355421 | C | T | rs9838054 | 3.58E-01 | 0.124 | 0.124 | 1.00 | 0.83 - 1.21 | 5.08E-05 | 0.164 | 0.135 | 0.79 | 0.68 - 0.93 | 0.86 | 3.00E-02 | EGFEM1P | ncRNA_intronic |
| 7 | 113541630 | C | T | rs6466472 | 3.57E-01 | 0.296 | 0.309 | 1.07 | 0.93 - 1.22 | 6.26E-05 | 0.342 | 0.289 | 0.78 | 0.69 - 0.89 | 0.90 | 3.00E-02 | PPP1R3A | intronic |
| 1 | 61802286 | T | C | rs12066006 | 2.19E-01 | 0.071 | 0.080 | 0.88 | 0.69 - 1.11 | 1.83E-05 | 0.111 | 0.079 | 1.45 | 1.2 - 1.76 | 1.20 | 3.04E-02 | NFIA | intronic |
| 19 | 12353181 | C | T | rs111327833 | 4.68E-05 | 0.284 | 0.233 | 1.30 | 1.13 - 1.5 | 4.53E-01 | 0.247 | 0.250 | 0.98 | 0.86 - 1.12 | 1.12 | 3.04E-02 | LOC100289333(dist=34790), ZNF44(dist=29444) | intergenic |
| 2 | 26850672 | T | A | rs7595672 | 4.24E-01 | 0.186 | 0.202 | 0.90 | 0.77 - 1.06 | 5.90E-05 | 0.234 | 0.187 | 1.33 | 1.15 - 1.53 | 1.14 | 3.04E-02 | CIB4 | intronic |
| 12 | 101216304 | C | T | rs79345371 | 4.20E-05 | 0.076 | 0.048 | 1.63 | 1.27 - 2.11 | 4.27E-01 | 0.056 | 0.057 | 0.97 | 0.75 - 1.25 | 1.24 | 3.04E-02 | ANO4 | intronic |
| 8 | 5390912 | G | A | rs10091352 | 2.89E-05 | 0.019 | 0.046 | 0.40 | 0.27 - 0.61 | 2.54E-01 | 0.036 | 0.029 | 1.26 | 0.91 - 1.74 | 0.75 | 3.06E-02 | CSMD1(dist=538584), LOC100287015(dist=870165) | intergenic |
| 11 | 8597545 | G | C | rs145589246 | 2.57E-01 | 0.022 | 0.029 | 0.76 | 0.51 - 1.14 | 2.45E-05 | 0.041 | 0.021 | 1.96 | 1.43 - 2.69 | 1.38 | 3.08E-02 | STK33 | intronic |
| 16 | 19647698 | A | G | rs16972272 | 5.76E-05 | 0.158 | 0.215 | 0.68 | 0.58 - 0.81 | 4.14E-01 | 0.182 | 0.164 | 1.13 | 0.97 - 1.32 | 0.88 | 3.08E-02 | C16orf62 | intronic |
| 2 | 60124003 | C | T | rs6752231 | 3.37E-01 | 0.321 | 0.303 | 0.92 | 0.81 - 1.05 | 5.05E-05 | 0.254 | 0.314 | 1.34 | 1.17 - 1.53 | 1.12 | 3.09E-02 | LOC101927285(dist=617468), MIR4432(dist=490494) | intergenic |
| 13 | 38367563 | T | C | rs141972942 | 6.49E-05 | 0.180 | 0.149 | 1.26 | 1.07 - 1.49 | 4.67E-01 | 0.149 | 0.149 | 1.00 | 0.85 - 1.18 | 1.17 | 3.09E-02 | TRPC4 | intronic |
| 11 | 8504500 | G | T | rs57313949 | 2.50E-01 | 0.270 | 0.295 | 0.88 | 0.77 - 1.01 | 1.27E-05 | 0.305 | 0.249 | 1.32 | 1.16 - 1.51 | 1.12 | 3.10E-02 | STK33 | intronic |
| 12 | 101216722 | G | A | rs57600454 | 4.21E-05 | 0.076 | 0.048 | 1.63 | 1.27 - 2.11 | 4.18E-01 | 0.056 | 0.057 | 0.97 | 0.75 - 1.25 | 1.24 | 3.12E-02 | ANO4 | intronic |
| 12 | 5070097 | C | G | rs75872755 | 3.61E-05 | 0.058 | 0.029 | 2.08 | 1.54 - 2.82 | 4.80E-01 | 0.054 | 0.063 | 0.85 | 0.66 - 1.1 | 1.28 | 3.12E-02 | KCNA1(dist=42675), KCNA5(dist=82988) | intergenic |
| 8 | 5406445 | G | C | rs75722386 | 3.83E-05 | 0.021 | 0.048 | 0.43 | 0.29 - 0.64 | 2.40E-01 | 0.035 | 0.028 | 1.27 | 0.91 - 1.76 | 0.75 | 3.12E-02 | CSMD1(dist=554117), LOC100287015(dist=854632) | intergenic |
| 12 | 101216694 | T | C | rs57543672 | 4.22E-05 | 0.076 | 0.048 | 1.63 | 1.27 - 2.11 | 4.18E-01 | 0.056 | 0.057 | 0.97 | 0.75 - 1.25 | 1.24 | 3.12E-02 | ANO4 | intronic |
| 1 | 61808086 | C | T | rs9436635 | 3.01E-01 | 0.078 | 0.086 | 0.90 | 0.71 - 1.13 | 5.31E-05 | 0.115 | 0.083 | 1.44 | 1.19 - 1.74 | 1.19 | 3.13E-02 | NFIA | intronic |
| 3 | 70342021 | T | G | rs73102695 | 4.45E-05 | 0.287 | 0.235 | 1.31 | 1.14 - 1.51 | 3.36E-01 | 0.244 | 0.256 | 0.94 | 0.82 - 1.08 | 1.12 | 3.14E-02 | LINC01212(dist=277570), FOXF1(dist=661844) | intergenic |
| 2 | 204730465 | C | T | rs736611 | 2.30E-01 | 0.465 | 0.450 | 0.94 | 0.83 - 1.07 | 2.32E-05 | 0.416 | 0.473 | 1.26 | 1.12 - 1.42 | 1.10 | 3.14E-02 | CD28(dist=126829), CTLA4(dist=2046) | intergenic |
| 11 | 8524933 | T | C | rs61447809 | 1.95E-01 | 0.302 | 0.328 | 0.89 | 0.77 - 1.01 | 9.64E-06 | 0.347 | 0.289 | 1.31 | 1.15 - 1.48 | 1.11 | 3.15E-02 | STK33 | intronic |
| 14 | 105065452 | A | G | rs8017525 | 1.82E-01 | 0.116 | 0.129 | 1.13 | 0.93 - 1.36 | 1.97E-05 | 0.161 | 0.120 | 0.71 | 0.6 - 0.84 | 0.86 | 3.16E-02 | TMEM179 | intronic |
| 11 | 104483850 | T | C | rs12799900 | 2.62E-01 | 0.303 | 0.288 | 1.08 | 0.94 - 1.23 | 4.45E-05 | 0.243 | 0.292 | 0.78 | 0.68 - 0.89 | 0.90 | 3.17E-02 | LOC102723895(dist=3820), CASP12(dist=272595) | intergenic |
| 5 | 148638495 | G | A | rs55894852 | 4.01E-01 | 0.348 | 0.345 | 1.01 | 0.89 - 1.16 | 4.15E-05 | 0.281 | 0.319 | 0.84 | 0.73 - 0.95 | 0.90 | 3.18E-02 | ABLIM3 | UTR3 |
| 8 | 5392397 | C | T | rs10096840 | 3.08E-05 | 0.019 | 0.046 | 0.40 | 0.27 - 0.61 | 2.49E-01 | 0.036 | 0.029 | 1.26 | 0.92 - 1.74 | 0.75 | 3.18E-02 | CSMD1(dist=540069), LOC100287015(dist=868680) | intergenic |
| 11 | 7854519 | C | T | rs7947347 | 2.93E-01 | 0.438 | 0.462 | 1.10 | 0.97 - 1.25 | 4.02E-05 | 0.501 | 0.435 | 0.77 | 0.68 - 0.86 | 0.91 | 3.19E-02 | OR5P3(dist=7000), OR5E1P(dist=16079) | intergenic |
| 11 | 8495512 | G | C | rs142599164 | 3.73E-01 | 0.032 | 0.037 | 0.86 | 0.61 - 1.21 | 4.75E-05 | 0.058 | 0.038 | 1.55 | 1.2 - 2.02 | 1.32 | 3.19E-02 | STK33 | intronic |
| 11 | 7854821 | A | G | rs10769836 | 2.91E-01 | 0.438 | 0.462 | 1.10 | 0.97 - 1.25 | 3.88E-05 | 0.501 | 0.436 | 0.77 | 0.68 - 0.86 | 0.91 | 3.19E-02 | OR5P3(dist=7302), OR5E1P(dist=15777) | intergenic |
| 12 | 44246260 | C | T | rs142632597 | 1.81E-01 | 0.039 | 0.049 | 0.79 | 0.58 - 1.07 | 3.06E-05 | 0.070 | 0.041 | 1.75 | 1.37 - 2.23 | 1.26 | 3.21E-02 | TMEM117 | intronic |
| 11 | 69330983 | G | A | rs661204 | 5.21E-05 | 0.163 | 0.124 | 1.38 | 1.16 - 1.64 | 2.89E-01 | 0.115 | 0.125 | 0.91 | 0.76 - 1.09 | 1.16 | 3.21E-02 | LINC01488(dist=22672), CCND1(dist=124890) | intergenic |
| 11 | 8542531 | T | C | rs147245248 | 2.90E-01 | 0.021 | 0.028 | 0.77 | 0.51 - 1.16 | 3.67E-05 | 0.040 | 0.021 | 1.95 | 1.42 - 2.69 | 1.37 | 3.22E-02 | STK33 | intronic |
| 8 | 5414166 | T | C | rs28551079 | 4.14E-05 | 0.022 | 0.048 | 0.44 | 0.3 - 0.65 | 2.93E-01 | 0.036 | 0.029 | 1.26 | 0.91 - 1.74 | 0.76 | 3.22E-02 | CSMD1(dist=561838), LOC100287015(dist=846911) | intergenic |
| 12 | 44307017 | C | A | rs114509402 | 2.00E-01 | 0.039 | 0.049 | 0.79 | 0.58 - 1.08 | 3.28E-05 | 0.070 | 0.042 | 1.72 | 1.35 - 2.2 | 1.26 | 3.22E-02 | TMEM117 | intronic |
| 3 | 63857071 | G | A | rs832194 | 1.05E-01 | 0.186 | 0.211 | 1.17 | 1 - 1.37 | 5.85E-06 | 0.243 | 0.190 | 0.73 | 0.64 - 0.84 | 0.89 | 3.22E-02 | ATXN7 | intronic |
| 15 | 27626590 | T | C | rs77332886 | 6.59E-01 | 0.048 | 0.052 | 0.90 | 0.68 - 1.2 | 5.00E-05 | 0.053 | 0.033 | 1.63 | 1.24 - 2.15 | 1.31 | 3.24E-02 | GABRG3 | intronic |
| 4 | 81913206 | A | C | rs12186250 | 3.13E-01 | 0.025 | 0.033 | 1.31 | 0.9 - 1.92 | 4.55E-05 | 0.045 | 0.025 | 0.55 | 0.4 - 0.74 | 0.73 | 3.25E-02 | C4orf22(dist=28296), BMP3(dist=38913) | intergenic |
| 1 | 242375711 | C | T | rs316851 | 2.33E-05 | 0.120 | 0.086 | 1.45 | 1.19 - 1.77 | 2.16E-01 | 0.081 | 0.088 | 0.92 | 0.74 - 1.13 | 1.19 | 3.25E-02 | PLD5 | intronic |
| 5 | 68295773 | A | G | rs6888650 | 3.10E-01 | 0.421 | 0.444 | 1.10 | 0.97 - 1.24 | 1.73E-05 | 0.471 | 0.403 | 0.76 | 0.67 - 0.85 | 0.90 | 3.26E-02 | LOC101928885 | ncRNA_intronic |
| 12 | 44297829 | G | A | rs74645479 | 1.89E-01 | 0.039 | 0.049 | 0.79 | 0.58 - 1.08 | 3.28E-05 | 0.070 | 0.042 | 1.73 | 1.36 - 2.21 | 1.26 | 3.26E-02 | TMEM117 | intronic |
| 12 | 44297054 | G | A | rs74316358 | 1.90E-01 | 0.039 | 0.049 | 0.79 | 0.58 - 1.08 | 3.29E-05 | 0.070 | 0.042 | 1.73 | 1.36 - 2.21 | 1.26 | 3.26E-02 | TMEM117 | intronic |
| 12 | 44297540 | G | A | rs114409843 | 1.89E-01 | 0.039 | 0.049 | 0.79 | 0.58 - 1.08 | 3.29E-05 | 0.070 | 0.042 | 1.73 | 1.36 - 2.21 | 1.26 | 3.26E-02 | TMEM117 | intronic |
| 12 | 44253368 | C | T | rs74370393 | 1.80E-01 | 0.039 | 0.049 | 0.78 | 0.58 - 1.07 | 3.12E-05 | 0.069 | 0.041 | 1.76 | 1.38 - 2.24 | 1.26 | 3.27E-02 | TMEM117 | intronic |
| 12 | 44294609 | A | G | rs17093850 | 1.89E-01 | 0.039 | 0.049 | 0.79 | 0.58 - 1.07 | 3.30E-05 | 0.070 | 0.042 | 1.73 | 1.36 - 2.21 | 1.26 | 3.27E-02 | TMEM117 | intronic |
| 13 | 106147572 | G | A | rs778324 | 2.41E-01 | 0.213 | 0.228 | 0.92 | 0.79 - 1.07 | 4.81E-05 | 0.259 | 0.215 | 1.28 | 1.12 - 1.46 | 1.13 | 3.28E-02 | DAOA-AS1 | ncRNA_intronic |
| 12 | 44294318 | C | T | rs146710083 | 1.89E-01 | 0.039 | 0.049 | 0.79 | 0.58 - 1.07 | 3.30E-05 | 0.070 | 0.042 | 1.73 | 1.36 - 2.21 | 1.26 | 3.28E-02 | TMEM117 | intronic |
| 12 | 44294097 | A | T | rs17093848 | 1.89E-01 | 0.039 | 0.049 | 0.79 | 0.58 - 1.07 | 3.31E-05 | 0.070 | 0.042 | 1.73 | 1.36 - 2.21 | 1.26 | 3.28E-02 | TMEM117 | intronic |
| 8 | 5393313 | T | G | rs113539210 | 3.29E-05 | 0.019 | 0.046 | 0.41 | 0.27 - 0.61 | 2.46E-01 | 0.036 | 0.029 | 1.26 | 0.92 - 1.74 | 0.76 | 3.28E-02 | CSMD1(dist=540985), LOC100287015(dist=867764) | intergenic |
| 11 | 8493646 | T | A | rs7121234 | 3.59E-01 | 0.022 | 0.027 | 0.79 | 0.53 - 1.19 | 4.34E-05 | 0.041 | 0.023 | 1.82 | 1.33 - 2.5 | 1.38 | 3.29E-02 | STK33 | intronic |
| 12 | 44250105 | C | T | rs77124140 | 1.80E-01 | 0.039 | 0.049 | 0.78 | 0.58 - 1.07 | 3.20E-05 | 0.069 | 0.041 | 1.76 | 1.38 - 2.24 | 1.26 | 3.29E-02 | TMEM117 | intronic |
| 12 | 44250094 | T | G | rs1114198854 | 1.80E-01 | 0.039 | 0.049 | 0.78 | 0.58 - 1.07 | 3.21E-05 | 0.069 | 0.041 | 1.76 | 1.38 - 2.24 | 1.26 | 3.29E-02 | TMEM117 | intronic |
| 19 | 12363598 | G | C | rs536194802;rs73002482 | 4.92E-05 | 0.294 | 0.243 | 1.30 | 1.13 - 1.49 | 3.94E-01 | 0.247 | 0.252 | 0.97 | 0.85 - 1.11 | 1.12 | 3.29E-02 | LOC100289333(dist=45207), ZNF44(dist=19027) | intergenic |
| 12 | 44247305 | C | T | rs141751094 | 1.81E-01 | 0.039 | 0.049 | 0.79 | 0.58 - 1.07 | 3.26E-05 | 0.069 | 0.041 | 1.76 | 1.38 - 2.24 | 1.26 | 3.29E-02 | TMEM117 | intronic |
| 15 | 91493972 | G | A | rs78738339 | 4.04E-01 | 0.029 | 0.034 | 0.85 | 0.59 - 1.22 | 4.83E-06 | 0.045 | 0 | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-------------|---|---|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 12 | 44243371 | C | T | rs138517562 | 1.79E-01 | 0.039 | 0.049 | 0.78 | 0.58 | -1.07 | 3.30E-05 | 0.069 | 0.041 | 1.76 | 1.38 | -2.24 | 1.26 | 3.34E-02 | TMEM117 | intronic |
| 8 | 5413261 | G | A | rs10096477 | 3.60E-05 | 0.022 | 0.049 | 0.44 | 0.3 | -0.65 | 2.67E-01 | 0.037 | 0.029 | 1.27 | 0.92 | -1.74 | 0.76 | 3.34E-02 | CSMD1(dist=560933), LOC100287015(dist=847816) | intergenic |
| 13 | 106144345 | C | T | rs7995553 | 2.52E-01 | 0.213 | 0.228 | 0.92 | 0.79 | -1.07 | 5.54E-05 | 0.261 | 0.217 | 1.27 | 1.11 | -1.46 | 1.12 | 3.37E-02 | DAOA-AS1 | ncRNA_intronic |
| 10 | 29833637 | G | A | rs11592360 | 6.18E-05 | 0.073 | 0.040 | 1.93 | 1.48 | -2.51 | 7.15E-01 | 0.055 | 0.061 | 0.91 | 0.7 | -1.17 | 1.25 | 3.38E-02 | SVIL | intronic |
| 6 | 67799450 | A | G | rs1463318 | 6.28E-05 | 0.013 | 0.027 | 2.14 | 1.3 | -3.53 | 4.33E-01 | 0.031 | 0.035 | 1.12 | 0.8 | -1.57 | 1.37 | 3.38E-02 | SLC25A51P1(dist=1300074), LOC102723883(dist=965793) | intergenic |
| 11 | 104528309 | C | T | rs9666573 | 2.42E-01 | 0.302 | 0.287 | 1.08 | 0.94 | -1.23 | 4.26E-05 | 0.241 | 0.290 | 0.78 | 0.68 | -0.89 | 0.90 | 3.39E-02 | LOC102723895(dist=48279), CASP12(dist=228136) | intergenic |
| 11 | 104533337 | A | G | rs56384112 | 2.41E-01 | 0.302 | 0.287 | 1.08 | 0.94 | -1.23 | 4.28E-05 | 0.241 | 0.290 | 0.78 | 0.68 | -0.89 | 0.90 | 3.41E-02 | LOC102723895(dist=53307), CASP12(dist=223108) | intergenic |
| 11 | 8511381 | G | A | rs114726291 | 3.02E-01 | 0.022 | 0.028 | 0.77 | 0.51 | -1.17 | 4.21E-05 | 0.041 | 0.022 | 1.89 | 1.38 | -2.59 | 1.37 | 3.41E-02 | STK33 | intronic |
| 11 | 104534934 | A | G | rs11226459 | 2.42E-01 | 0.302 | 0.287 | 1.07 | 0.94 | -1.23 | 4.32E-05 | 0.241 | 0.290 | 0.78 | 0.68 | -0.89 | 0.90 | 3.41E-02 | LOC102723895(dist=54904), CASP12(dist=221511) | intergenic |
| 2 | 204729795 | G | A | rs1427680 | 2.27E-01 | 0.465 | 0.450 | 0.94 | 0.83 | -1.07 | 2.88E-05 | 0.412 | 0.470 | 1.26 | 1.12 | -1.42 | 1.10 | 3.42E-02 | CD28(dist=126159), CTLA4(dist=2716) | intergenic |
| 12 | 44288963 | A | G | rs77669492 | 1.83E-01 | 0.039 | 0.049 | 0.79 | 0.58 | -1.07 | 3.39E-05 | 0.070 | 0.041 | 1.74 | 1.36 | -2.21 | 1.26 | 3.43E-02 | TMEM117 | intronic |
| 16 | 19640926 | G | A | rs9337040 | 5.72E-05 | 0.160 | 0.217 | 0.69 | 0.58 | -0.81 | 3.75E-01 | 0.184 | 0.166 | 1.14 | 0.97 | -1.32 | 0.88 | 3.43E-02 | C16orf62 | intronic |
| 8 | 5963920 | G | C | rs57137549 | 1.87E-01 | 0.178 | 0.205 | 0.84 | 0.72 | -0.98 | 1.30E-05 | 0.222 | 0.166 | 1.43 | 1.24 | -1.66 | 1.13 | 3.45E-02 | CSMD1(dist=1111592), LOC100287015(dist=297157) | intergenic |
| 16 | 19647809 | A | G | rs16972275 | 6.27E-05 | 0.159 | 0.216 | 0.69 | 0.58 | -0.81 | 3.86E-01 | 0.182 | 0.164 | 1.13 | 0.97 | -1.32 | 0.88 | 3.45E-02 | C16orf62 | intronic |
| 12 | 44261761 | A | C | rs148566364 | 1.68E-01 | 0.039 | 0.049 | 0.78 | 0.57 | -1.06 | 3.08E-05 | 0.069 | 0.041 | 1.76 | 1.38 | -2.24 | 1.26 | 3.46E-02 | TMEM117 | intronic |
| 2 | 69883545 | A | G | rs573668663;rs145515383 | 3.23E-05 | 0.129 | 0.101 | 1.33 | 1.1 | -1.61 | 2.97E-01 | 0.099 | 0.103 | 0.96 | 0.79 | -1.16 | 1.20 | 3.49E-02 | AAK1(dist=12568), ANXA4(dist=85582) | intergenic |
| 3 | 70353938 | C | T | rs14033073 | 5.90E-05 | 0.287 | 0.237 | 1.30 | 1.13 | -1.5 | 3.42E-01 | 0.241 | 0.253 | 0.94 | 0.82 | -1.08 | 1.11 | 3.49E-02 | LINC01212(dist=289487), FOXP1(dist=649927) | intergenic |
| 12 | 44285237 | G | A | rs146740408 | 1.65E-01 | 0.039 | 0.050 | 0.78 | 0.58 | -1.07 | 2.77E-05 | 0.070 | 0.042 | 1.74 | 1.37 | -2.22 | 1.26 | 3.50E-02 | TMEM117 | intronic |
| 10 | 49683566 | A | G | rs3954044 | 4.75E-05 | 0.265 | 0.187 | 1.56 | 1.35 | -1.81 | 6.21E-01 | 0.254 | 0.274 | 0.90 | 0.79 | -1.03 | 1.14 | 3.50E-02 | ARHGAP22 | intronic |
| 11 | 104582981 | G | A | rs2226749 | 2.67E-01 | 0.310 | 0.296 | 1.07 | 0.93 | -1.22 | 5.35E-05 | 0.250 | 0.298 | 0.78 | 0.69 | -0.9 | 0.90 | 3.51E-02 | LOC102723895(dist=102951), CASP12(dist=173464) | intergenic |
| 10 | 33359317 | A | G | rs72786114 | 4.08E-05 | 0.048 | 0.022 | 2.21 | 1.58 | -3.1 | 7.74E-01 | 0.038 | 0.044 | 0.86 | 0.64 | -1.17 | 1.32 | 3.52E-02 | ITGB1(dist=112024), NRP1(dist=107102) | intergenic |
| 11 | 104530931 | A | T | rs7102497 | 2.43E-01 | 0.303 | 0.288 | 1.07 | 0.94 | -1.23 | 4.68E-05 | 0.242 | 0.290 | 0.78 | 0.68 | -0.89 | 0.90 | 3.52E-02 | LOC102723895(dist=50901), CASP12(dist=225514) | intergenic |
| 18 | 10265575 | A | G | rs36027074 | 4.18E-05 | 0.108 | 0.068 | 1.66 | 1.34 | -2.06 | 3.75E-01 | 0.083 | 0.097 | 0.85 | 0.69 | -1.04 | 1.19 | 3.53E-02 | VAPA(dist=305557), LINC01254(dist=139555) | intergenic |
| 11 | 7857526 | G | C | rs2361060 | 2.21E-01 | 0.449 | 0.476 | 1.12 | 0.99 | -1.26 | 2.28E-05 | 0.513 | 0.447 | 0.76 | 0.68 | -0.86 | 0.91 | 3.53E-02 | OR5P3(dist=10007), OR5E1P(dist=13072) | intergenic |
| 3 | 102975832 | G | A | rs6787393 | 1.51E-05 | 0.432 | 0.504 | 0.75 | 0.66 | -0.85 | 2.14E-01 | 0.502 | 0.484 | 1.07 | 0.96 | -1.21 | 0.91 | 3.53E-02 | ZPLD1(dist=777147), MIR548AB(dist=267045) | intergenic |
| 8 | 5963616 | G | C | rs57358452 | 1.85E-01 | 0.178 | 0.205 | 0.84 | 0.72 | -0.98 | 1.36E-05 | 0.222 | 0.166 | 1.43 | 1.24 | -1.66 | 1.13 | 3.54E-02 | CSMD1(dist=1111288), LOC100287015(dist=297461) | intergenic |
| 17 | 73835281 | G | C | rs12603812 | 4.22E-01 | 0.222 | 0.216 | 0.96 | 0.83 | -1.12 | 5.75E-05 | 0.279 | 0.252 | 0.87 | 0.76 | -0.99 | 0.88 | 3.54E-02 | UNC13D | intronic |
| 17 | 64443995 | T | C | rs228883 | 3.19E-01 | 0.306 | 0.321 | 1.08 | 0.94 | -1.23 | 2.60E-05 | 0.367 | 0.310 | 0.77 | 0.69 | -0.88 | 0.90 | 3.54E-02 | PRKCA | intronic |
| 12 | 44265681 | A | T | rs114441089 | 1.63E-01 | 0.039 | 0.049 | 0.78 | 0.57 | -1.06 | 3.07E-05 | 0.069 | 0.041 | 1.76 | 1.38 | -2.24 | 1.26 | 3.56E-02 | TMEM117 | intronic |
| 11 | 124078704 | G | A | rs11219499;rs71462043 | 3.31E-01 | 0.138 | 0.140 | 0.98 | 0.82 | -1.18 | 4.11E-05 | 0.162 | 0.134 | 1.25 | 1.06 | -1.47 | 1.17 | 3.57E-02 | VWA5A(dist=61086), OR8G2(dist=16640) | intergenic |
| 18 | 3133034 | C | T | rs10468732 | 7.00E-01 | 0.042 | 0.046 | 0.90 | 0.67 | -1.22 | 3.01E-05 | 0.047 | 0.030 | 1.60 | 1.2 | -2.14 | 1.33 | 3.57E-02 | MYOM1 | intronic |
| 12 | 101219969 | T | G | rs116089893 | 5.07E-05 | 0.075 | 0.048 | 1.63 | 1.26 | -2.1 | 3.98E-01 | 0.055 | 0.057 | 0.96 | 0.74 | -1.24 | 1.23 | 3.57E-02 | ANO4 | intronic |
| 2 | 86273189 | G | A | rs75616318 | 1.39E-01 | 0.019 | 0.028 | 0.68 | 0.45 | -1.05 | 1.07E-05 | 0.046 | 0.025 | 1.87 | 1.38 | -2.52 | 1.37 | 3.58E-02 | POLR1A | intronic |
| 11 | 104494548 | G | A | rs7935104 | 1.81E-01 | 0.306 | 0.289 | 1.09 | 0.95 | -1.24 | 2.29E-05 | 0.240 | 0.290 | 0.77 | 0.67 | -0.88 | 0.90 | 3.58E-02 | LOC102723895(dist=14518), CASP12(dist=261897) | intergenic |
| 12 | 44266629 | T | A | rs116521007 | 1.61E-01 | 0.039 | 0.049 | 0.78 | 0.57 | -1.06 | 3.07E-05 | 0.069 | 0.041 | 1.76 | 1.38 | -2.24 | 1.26 | 3.58E-02 | TMEM117 | intronic |
| 10 | 131136401 | C | T | rs1421035 | 1.60E-01 | 0.194 | 0.208 | 0.92 | 0.78 | -1.07 | 3.67E-05 | 0.272 | 0.236 | 1.22 | 1.06 | -1.39 | 1.14 | 3.59E-02 | LINC01163(dist=1020411), MGMT(dist=129053) | intergenic |
| 11 | 104516472 | C | T | rs11226454 | 2.48E-01 | 0.302 | 0.287 | 1.07 | 0.94 | -1.23 | 5.21E-05 | 0.241 | 0.289 | 0.78 | 0.68 | -0.89 | 0.90 | 3.59E-02 | LOC102723895(dist=36442), CASP12(dist=239973) | intergenic |
| 11 | 104517432 | G | A | rs10502038 | 2.47E-01 | 0.302 | 0.287 | 1.07 | 0.94 | -1.23 | 5.21E-05 | 0.241 | 0.289 | 0.78 | 0.68 | -0.89 | 0.90 | 3.60E-02 | LOC102723895(dist=37402), CASP12(dist=239013) | intergenic |
| 2 | 158866311 | T | C | rs11690279 | 2.64E-01 | 0.025 | 0.027 | 0.95 | 0.64 | -1.41 | 1.28E-05 | 0.043 | 0.029 | 1.54 | 1.14 | -2.07 | 1.41 | 3.66E-02 | UPP2 | intronic |
| 11 | 8520408 | G | A | rs7118501 | 1.91E-01 | 0.301 | 0.327 | 0.88 | 0.77 | -1.01 | 1.31E-05 | 0.344 | 0.287 | 1.30 | 1.15 | -1.48 | 1.11 | 3.66E-02 | STK33 | intronic |
| 8 | 1748407 | T | C | rs112044149 | 3.46E-06 | 0.101 | 0.153 | 0.63 | 0.51 | -0.76 | 5.49E-02 | 0.127 | 0.103 | 1.26 | 1.05 | -1.5 | 0.85 | 3.67E-02 | MIR3674 | upstream |
| 14 | 105080510 | A | G | rs10151692 | 2.08E-01 | 0.175 | 0.188 | 1.09 | 0.93 | -1.28 | 6.42E-05 | 0.237 | 0.191 | 0.76 | 0.66 | -0.87 | 0.89 | 3.69E-02 | TMEM179(dist=9413), MIR4710(dist=63521) | intergenic |
| 5 | 168832600 | A | T | rs76135517 | 3.23E-01 | 0.074 | 0.085 | 0.87 | 0.69 | -1.1 | 9.18E-06 | 0.088 | 0.059 | 1.55 | 1.25 | -1.92 | 1.26 | 3.69E-02 | SLIT3(dist=104467), SPDL1(dist=178038) | intergenic |
| 10 | 131083694 | G | A | rs11016737 | 1.25E-01 | 0.145 | 0.154 | 0.93 | 0.78 | -1.1 | 3.99E-05 | 0.217 | 0.185 | 1.22 | 1.06 | -1.41 | 1.16 | 3.70E-02 | LINC01163(dist=967704), MGMT(dist=181760) | intergenic |
| 14 | 105075608 | A | T | rs10129754 | 1.52E-01 | 0.119 | 0.133 | 1.13 | 0.94 | -1.37 | 2.24E-05 | 0.166 | 0.124 | 0.71 | 0.61 | -0.84 | 0.87 | 3.70E-02 | TMEM179(dist=4511), MIR4710(dist=68423) | intergenic |
| 12 | 5068121 | G | C | rs78517372 | 3.96E-05 | 0.057 | 0.028 | 2.09 | 1.54 | -2.84 | 4.34E-01 | 0.053 | 0.063 | 0.84 | 0.65 | -1.09 | 1.27 | 3.72E-02 | KCNA1(dist=40699), KCNA5(dist=84964) | intergenic |
| 11 | 104473630 | C | T | rs12364844 | 2.13E-01 | 0.295 | 0.279 | 1.08 | 0.95 | -1.24 | 4.01E-05 | 0.233 | 0.282 | 0.77 | 0.68 | -0.89 | 0.90 | 3.72E-02 | LOC102723895 | ncRNA_intronic |
| 10 | 33402524 | G | A | rs11009231 | 5.85E-05 | 0.045 | 0.020 | 2.30 | 1.62 | -3.26 | 7.79E-01 | 0.037 | 0.043 | 0.87 | 0.64 | -1.18 | 1.32 | 3.72E-02 | ITGB1(dist=155231), NRP1(dist=63895) | intergenic |
| 12 | 44283070 | A | G | rs7302694 | 1.70E-01 | 0.039 | 0.049 | 0.78 | 0.57 | -1.07 | 3.50E-05 | 0.070 | 0.041 | 1.74 | 1.37 | -2.22 | 1.25 | 3.73E-02 | TMEM117 | intronic |
| 10 | 45042929 | T | G | rs79052981 | 5.52E-05 | 0.056 | 0.026 | 2.22 | 1.62 | -3.03 | 5.94E-01 | 0.039 | 0.044 | 0.87 | 0.65 | -1.18 | 1.30 | 3.73E-02 | CXCL12(dist=162384), TMEM72-AS1(dist=263543) | intergenic |
| 15 | 90480105 | A | G | rs7169362 | 1.58E-05 | 0.084 | 0.059 | 1.47 | 1.16 | -1.86 | 1.93E-01 | 0.079 | 0.084 | 0.93 | 0.75 | -1.16 | 1.23 | 3.74E-02 | C15orf38-AP3S2(dist=23883), ZNF710(dist=64618) | intergenic |
| 8 | 5415253 | G | A | rs10104417 | 2.89E-05 | 0.020 | 0.047 | 0.42 | 0.28 | -0.63 | 2.01E-01 | 0.034 | 0.026 | 1.31 | 0.94 | -1.83 | 0.76 | 3.75E-02 | CSMD1(dist=562925), LOC100287015(dist=845824) | intergenic |
| 12 | 1608113 | T | C | rs2019001 | 1.60E-01 | 0.043 | 0.033 | 0.74 | 0.54 | -1.02 | 1.41E-05 | 0.026 | 0.052 | 2.06 | 1.45 | -2.92 | 1.31 | 3.75E-02 | ERC1(dist=3014), LINC00942(dist=1544) | intergenic |
| 12 | 5067742 | C | T | rs79334029 | 3.72E-05 | 0.057 | 0.028 | 2.10 | 1.54 | -2.85 | 4.26E-01 | 0.053 | 0.063 | 0.84 | 0.65 | -1.09 | 1.27 | 3.76E-02 | KCNA1(dist=40320), KCNA5(dist=85343) | intergenic |
| 12 | 101222300 | C | T | rs114986091 | 5.79E-05 | 0.075 | 0.048 | 1.62 | 1.26 | -2.09 | 3.95E-01 | 0.055 | 0.057 | 0.96 | 0.74 | -1.24 | 1.23 | 3.78E-02 | ANO4 | intronic |
| 11 | 8588680 | C | T | rs144183387 | 2.80E-01 | 0.021 | 0.028 | 0.77 | 0.51 | -1.16 | 5.07E-05 | 0.039 | 0.021 | 1.95 | 1.41 | -2.7 | 1.36 | 3.79E-02 | STK33 | intronic |
| 11 | 104505114</ | | | | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-----------------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|------------|
| 12 | 5065215 | C | G | rs78614168 | 4.75E-05 | 0.057 | 0.028 | 2.08 | 1.53 | -2.82 | 4.52E-01 | 0.052 | 0.061 | 0.84 | 0.65 | -1.09 | 1.27 | 3.85E-02 | KCNA1(dist=37793), KCNA5(dist=87870) | intergenic |
| 8 | 6001215 | T | C | rs2552222;rs570077706 | 3.90E-01 | 0.122 | 0.136 | 0.89 | 0.74 | -1.07 | 4.57E-05 | 0.139 | 0.098 | 1.48 | 1.25 | -1.77 | 1.16 | 3.86E-02 | CSMD1(dist=1148887), LOC100287015(dist=259862) | intergenic |
| 8 | 5417953 | T | C | rs102168884 | 6.31E-05 | 0.022 | 0.048 | 0.45 | 0.31 | -0.66 | 2.85E-01 | 0.036 | 0.029 | 1.26 | 0.92 | -1.47 | 0.76 | 3.87E-02 | CSMD1(dist=565625), LOC100287015(dist=843124) | intergenic |
| 3 | 63891106 | C | T | rs386661726;rs9850682;rs370104712 | 1.29E-01 | 0.186 | 0.211 | 0.85 | 0.73 | -1 | 1.33E-05 | 0.234 | 0.183 | 1.36 | 1.18 | -1.57 | 1.13 | 3.88E-02 | ATXN7 | intronic |
| 3 | 63841395 | T | C | rs832188 | 9.09E-02 | 0.194 | 0.219 | 1.17 | 1 | -1.36 | 8.08E-06 | 0.251 | 0.199 | 0.74 | 0.65 | -0.85 | 0.89 | 3.88E-02 | THOC7 | intronic |
| 6 | 16411094 | G | A | rs111964724 | 5.07E-01 | 0.047 | 0.055 | 0.83 | 0.63 | -1.11 | 5.41E-05 | 0.062 | 0.039 | 1.61 | 1.25 | -2.08 | 1.28 | 3.89E-02 | ATXN1 | intronic |
| 11 | 104500178 | A | G | rs2187132 | 2.45E-01 | 0.302 | 0.287 | 1.08 | 0.94 | -1.23 | 6.14E-05 | 0.241 | 0.289 | 0.78 | 0.68 | -0.9 | 0.90 | 3.89E-02 | LOC102723895(dist=20148), CASP12(dist=256267) | intergenic |
| 12 | 101225751 | G | A | rs7305626 | 5.69E-05 | 0.075 | 0.048 | 1.62 | 1.26 | -2.09 | 3.84E-01 | 0.055 | 0.057 | 0.96 | 0.74 | -1.24 | 1.22 | 3.90E-02 | ANO4 | intronic |
| 7 | 95636259 | C | T | rs319316 | 5.11E-01 | 0.034 | 0.038 | 0.88 | 0.63 | -1.24 | 2.70E-05 | 0.043 | 0.025 | 1.75 | 1.29 | -2.38 | 1.35 | 3.90E-02 | DYNC11 | intronic |
| 4 | 35974832 | A | G | rs1714085 | 1.40E-05 | 0.190 | 0.140 | 0.70 | 0.59 | -0.82 | 2.45E-01 | 0.163 | 0.185 | 1.17 | 1 | -1.37 | 0.88 | 3.90E-02 | LOC101928622(dist=1933317), ARAP2(dist=92788) | intergenic |
| 17 | 64438011 | C | A | rs1005661 | 2.59E-01 | 0.298 | 0.315 | 1.08 | 0.95 | -1.24 | 1.45E-05 | 0.350 | 0.295 | 0.78 | 0.69 | -0.88 | 0.90 | 3.90E-02 | PRKCA | intronic |
| 14 | 70290758 | A | G | rs2094272 | 5.35E-05 | 0.268 | 0.323 | 0.76 | 0.67 | -0.88 | 2.68E-01 | 0.314 | 0.299 | 1.07 | 0.95 | -1.22 | 0.90 | 3.91E-02 | SLC10A1(dist=26752), SMOCC1(dist=55356) | intergenic |
| 1 | 104472651 | A | C | rs12142090 | 1.31E-01 | 0.259 | 0.278 | 0.91 | 0.79 | -1.04 | 7.42E-06 | 0.330 | 0.274 | 1.31 | 1.15 | -1.48 | 1.11 | 3.92E-02 | AMY1A(dist=171340), LOC100129138(dist=142994) | intergenic |
| 12 | 44279551 | A | G | rs76035338 | 1.60E-01 | 0.039 | 0.049 | 0.78 | 0.57 | -1.06 | 3.53E-05 | 0.069 | 0.041 | 1.74 | 1.37 | -2.22 | 1.25 | 3.94E-02 | TMEM117 | intronic |
| 12 | 44274116 | A | C | rs80213194 | 1.45E-01 | 0.039 | 0.050 | 0.77 | 0.57 | -1.05 | 3.06E-05 | 0.070 | 0.041 | 1.76 | 1.38 | -2.24 | 1.25 | 3.95E-02 | TMEM117 | intronic |
| 14 | 105079467 | T | C | rs10137691 | 1.91E-01 | 0.122 | 0.135 | 1.12 | 0.93 | -1.35 | 4.62E-05 | 0.167 | 0.126 | 0.72 | 0.61 | -0.85 | 0.87 | 3.95E-02 | TMEM179(dist=8370), MIR4710(dist=64564) | intergenic |
| 10 | 33355363 | C | T | rs12358710 | 4.02E-05 | 0.046 | 0.021 | 2.21 | 1.56 | -3.12 | 7.51E-01 | 0.034 | 0.039 | 0.87 | 0.63 | -1.19 | 1.32 | 3.96E-02 | ITGB1(dist=108070), NRP1(dist=111056) | intergenic |
| 8 | 66275729 | G | A | rs12548382 | 2.71E-01 | 0.196 | 0.181 | 1.10 | 0.94 | -1.29 | 5.74E-05 | 0.144 | 0.187 | 0.73 | 0.62 | -0.86 | 0.88 | 3.96E-02 | LINC00251(dist=183154), LINC01299(dist=163514) | intergenic |
| 2 | 35310501 | T | G | rs4143762 | 5.20E-05 | 0.280 | 0.322 | 0.82 | 0.71 | -0.94 | 3.15E-01 | 0.367 | 0.374 | 0.97 | 0.86 | -1.1 | 0.90 | 3.97E-02 | LINC01320(dist=362871), LOC100288911(dist=1271391) | intergenic |
| 12 | 5071462 | G | A | rs56294936 | 5.82E-05 | 0.060 | 0.031 | 1.99 | 1.48 | -2.67 | 4.71E-01 | 0.058 | 0.068 | 0.86 | 0.67 | -1.1 | 1.26 | 3.99E-02 | KCNA1(dist=44040), KCNA5(dist=81623) | intergenic |
| 4 | 35982726 | C | T | rs6833640 | 3.29E-05 | 0.425 | 0.364 | 1.29 | 1.13 | -1.46 | 2.74E-01 | 0.380 | 0.400 | 0.92 | 0.81 | -1.04 | 1.10 | 4.00E-02 | LOC101928622(dist=1941211), ARAP2(dist=84894) | intergenic |
| 14 | 105066885 | T | C | rs7142224 | 1.45E-01 | 0.120 | 0.134 | 1.14 | 0.94 | -1.37 | 2.21E-05 | 0.165 | 0.123 | 0.71 | 0.61 | -0.84 | 0.87 | 4.00E-02 | TMEM179 | intronic |
| 14 | 105290070 | A | G | rs11160820 | 1.44E-01 | 0.502 | 0.468 | 0.87 | 0.77 | -0.99 | 1.78E-05 | 0.441 | 0.511 | 1.33 | 1.18 | -1.49 | 1.11 | 4.01E-02 | LINC00638 | downstream |
| 12 | 44203456 | T | A | rs76268269 | 1.49E-01 | 0.039 | 0.049 | 0.77 | 0.57 | -1.05 | 3.71E-05 | 0.069 | 0.041 | 1.74 | 1.37 | -2.22 | 1.25 | 4.06E-02 | TWFF1(dist=3278), TMEM117(dist=26208) | intergenic |
| 2 | 35308462 | C | T | rs12471763 | 5.02E-05 | 0.281 | 0.324 | 0.82 | 0.71 | -0.94 | 3.04E-01 | 0.368 | 0.374 | 0.97 | 0.86 | -1.1 | 0.90 | 4.07E-02 | LINC01320(dist=360832), LOC100288911(dist=1273430) | intergenic |
| 8 | 5411879 | G | C | rs75243017 | 5.19E-05 | 0.021 | 0.047 | 0.44 | 0.3 | -0.66 | 2.88E-01 | 0.036 | 0.029 | 1.26 | 0.91 | -1.73 | 0.76 | 4.10E-02 | CSMD1(dist=559551), LOC100287015(dist=849198) | intergenic |
| 8 | 5411878 | T | C | rs76833675 | 5.21E-05 | 0.021 | 0.047 | 0.44 | 0.3 | -0.66 | 2.88E-01 | 0.036 | 0.029 | 1.26 | 0.91 | -1.73 | 0.76 | 4.10E-02 | CSMD1(dist=559550), LOC100287015(dist=849199) | intergenic |
| 8 | 66285264 | T | C | rs7817768 | 2.59E-01 | 0.191 | 0.175 | 1.11 | 0.95 | -1.31 | 5.22E-05 | 0.137 | 0.180 | 0.72 | 0.61 | -0.85 | 0.88 | 4.11E-02 | LINC00251(dist=192689), LINC01299(dist=153979) | intergenic |
| 3 | 63865947 | C | T | rs704374 | 6.70E-02 | 0.184 | 0.212 | 1.19 | 1.02 | -1.4 | 3.97E-06 | 0.241 | 0.188 | 0.73 | 0.63 | -0.84 | 0.89 | 4.12E-02 | ATXN7 | intronic |
| 11 | 8537159 | G | T | rs11041955 | 2.77E-01 | 0.238 | 0.259 | 0.89 | 0.77 | -1.03 | 5.89E-05 | 0.284 | 0.233 | 1.31 | 1.15 | -1.49 | 1.11 | 4.12E-02 | STK33 | intronic |
| 2 | 35309795 | G | A | rs2178676 | 5.34E-05 | 0.280 | 0.322 | 0.82 | 0.71 | -0.94 | 3.06E-01 | 0.367 | 0.373 | 0.97 | 0.86 | -1.1 | 0.90 | 4.14E-02 | LINC01320(dist=362165), LOC100288911(dist=1272097) | intergenic |
| 8 | 66284268 | A | G | rs28795725 | 2.56E-01 | 0.191 | 0.174 | 1.11 | 0.95 | -1.31 | 5.20E-05 | 0.137 | 0.180 | 0.72 | 0.61 | -0.85 | 0.88 | 4.15E-02 | LINC00251(dist=191693), LINC01299(dist=154975) | intergenic |
| 3 | 63865531 | A | G | rs832199 | 6.74E-02 | 0.184 | 0.212 | 1.19 | 1.02 | -1.39 | 4.13E-06 | 0.242 | 0.188 | 0.73 | 0.63 | -0.84 | 0.89 | 4.16E-02 | ATXN7 | intronic |
| 4 | 35988329 | G | T | rs13139794 | 2.99E-05 | 0.429 | 0.368 | 1.29 | 1.14 | -1.47 | 2.50E-01 | 0.383 | 0.404 | 0.91 | 0.81 | -1.03 | 1.10 | 4.17E-02 | LOC101928622(dist=1946814), ARAP2(dist=79291) | intergenic |
| 8 | 66283704 | C | T | rs10957346 | 2.54E-01 | 0.191 | 0.174 | 1.11 | 0.95 | -1.31 | 5.20E-05 | 0.137 | 0.180 | 0.72 | 0.61 | -0.85 | 0.88 | 4.17E-02 | LINC00251(dist=191129), LINC01299(dist=155539) | intergenic |
| 12 | 44277006 | A | G | rs17093833 | 1.35E-01 | 0.039 | 0.050 | 0.77 | 0.56 | -1.05 | 3.01E-05 | 0.070 | 0.041 | 1.76 | 1.38 | -2.24 | 1.25 | 4.18E-02 | TMEM117 | intronic |
| 12 | 101234855 | A | G | rs76630074 | 5.47E-05 | 0.075 | 0.048 | 1.62 | 1.26 | -2.09 | 3.57E-01 | 0.054 | 0.057 | 0.95 | 0.74 | -1.23 | 1.22 | 4.20E-02 | ANO4 | intronic |
| 14 | 105069485 | T | C | rs10145420 | 1.30E-01 | 0.118 | 0.132 | 1.14 | 0.95 | -1.38 | 1.95E-05 | 0.165 | 0.123 | 0.71 | 0.6 | -0.84 | 0.87 | 4.22E-02 | TMEM179 | intronic |
| 8 | 66282815 | G | T | rs12681659 | 2.52E-01 | 0.190 | 0.174 | 1.12 | 0.95 | -1.31 | 5.36E-05 | 0.137 | 0.180 | 0.72 | 0.61 | -0.85 | 0.88 | 4.24E-02 | LINC00251(dist=190240), LINC01299(dist=156428) | intergenic |
| 17 | 64440111 | G | C | rs990084 | 3.05E-01 | 0.306 | 0.322 | 1.08 | 0.94 | -1.23 | 4.41E-05 | 0.368 | 0.312 | 0.78 | 0.69 | -0.88 | 0.91 | 4.25E-02 | PRKCA | intronic |
| 12 | 44215008 | A | G | rs77989631 | 1.58E-01 | 0.039 | 0.050 | 0.78 | 0.57 | -1.06 | 4.73E-05 | 0.069 | 0.041 | 1.73 | 1.36 | -2.21 | 1.25 | 4.27E-02 | TWFF1(dist=14830), TMEM117(dist=14656) | intergenic |
| 12 | 44231647 | A | G | rs75567241 | 1.60E-01 | 0.039 | 0.050 | 0.78 | 0.57 | -1.06 | 4.83E-05 | 0.069 | 0.041 | 1.73 | 1.36 | -2.21 | 1.24 | 4.28E-02 | TMEM117 | intronic |
| 17 | 64441885 | C | A | rs228889 | 3.07E-01 | 0.306 | 0.322 | 1.08 | 0.94 | -1.23 | 4.73E-05 | 0.369 | 0.313 | 0.78 | 0.69 | -0.88 | 0.91 | 4.28E-02 | PRKCA | intronic |
| 12 | 44214804 | A | G | rs187596118 | 1.57E-01 | 0.039 | 0.050 | 0.78 | 0.57 | -1.06 | 4.76E-05 | 0.069 | 0.041 | 1.73 | 1.36 | -2.21 | 1.25 | 4.32E-02 | TWFF1(dist=14626), TMEM117(dist=14860) | intergenic |
| 4 | 35980932 | A | C | rs6833137 | 2.86E-05 | 0.429 | 0.368 | 1.29 | 1.14 | -1.46 | 2.38E-01 | 0.383 | 0.404 | 0.91 | 0.81 | -1.03 | 1.10 | 4.35E-02 | LOC101928622(dist=1939417), ARAP2(dist=86688) | intergenic |
| 4 | 35984653 | C | T | rs6847221 | 3.10E-05 | 0.427 | 0.366 | 1.29 | 1.14 | -1.46 | 2.46E-01 | 0.381 | 0.402 | 0.91 | 0.81 | -1.03 | 1.10 | 4.36E-02 | LOC101928622(dist=1943138), ARAP2(dist=82967) | intergenic |
| 2 | 144299242 | T | C | rs4278879 | 3.09E-01 | 0.279 | 0.289 | 1.05 | 0.92 | -1.21 | 1.71E-05 | 0.280 | 0.237 | 0.80 | 0.7 | -0.91 | 0.88 | 4.36E-02 | ARHGAP15 | intronic |
| 19 | 36843700 | G | A | rs190818975 | 1.78E-02 | 0.012 | 0.021 | 0.57 | 0.34 | -0.97 | 2.73E-05 | 0.040 | 0.024 | 1.70 | 1.24 | -2.33 | 1.49 | 4.38E-02 | ZFP14 | intronic |
| 4 | 35991994 | C | T | rs10025873 | 3.06E-05 | 0.428 | 0.367 | 1.29 | 1.14 | -1.47 | 2.35E-01 | 0.381 | 0.403 | 0.91 | 0.81 | -1.03 | 1.10 | 4.38E-02 | LOC101928622(dist=1950479), ARAP2(dist=75626) | intergenic |
| 10 | 33362132 | C | A | rs10827179 | 5.68E-05 | 0.046 | 0.021 | 2.27 | 1.61 | -3.2 | 7.30E-01 | 0.037 | 0.042 | 0.87 | 0.64 | -1.19 | 1.30 | 4.39E-02 | ITGB1(dist=114839), NRP1(dist=104287) | intergenic |
| 8 | 66279178 | A | T | rs10091153 | 2.41E-01 | 0.190 | 0.174 | 1.12 | 0.95 | -1.31 | 5.38E-05 | 0.137 | 0.180 | 0.72 | 0.61 | -0.85 | 0.88 | 4.41E-02 | LINC00251(dist=186603), LINC01299(dist=160065) | intergenic |
| 11 | 21566468 | T | A | rs10833563 | 2.34E-01 | 0.184 | 0.155 | 1.23 | 1.04 | -1.44 | 5.17E-05 | 0.137 | 0.195 | 0.65 | 0.55 | -0.77 | 0.88 | 4.42E-02 | NELL1 | intronic |
| 12 | 47564296 | G | A | rs373566286;rs141340005 | 5.51E-05 | 0.041 | 0.068 | 0.58 | 0.43 | -0.78 | 2.38E-01 | 0.066 | 0.056 | 1.18 | 0.93 | -1.5 | 0.80 | 4.42E-02 | PCED1B | intronic |
| 12 | 5079248 | C | T | rs78561728 | 3.10E-05 | 0.067 | 0.037 | 1.89 | 1.43 | -2.5 | 3.10E-01 | 0.051 | 0.062 | 0.82 | 0.63 | -1.06 | 1.26 | 4.42E-02 | KCNA1(dist=51826), KCNA5(dist=73837) | intergenic |
| 8 | 62661804 | C | T | rs60736029 | 3.69E-01 | 0.047 | 0.057 | 0.82 | 0.61 | -1.08 | 5.89E-05 | 0.064 | 0.040 | 1.64 | 1.28 | -2.11 | 1.26 | 4.43E-02 | MIR4470(dist=34386), NKAIN3(dist=499697) | intergenic |
| 3 | 63790670 | A | C | rs2637985 | 1.11E-01 | 0.197 | 0.221 | 1.16 | 0.99 | -1.35 | 1.02E-05 | 0.253 | 0.203 | 0.75 | 0.66 | -0.87 | 0.8 | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 18 | 10266295 | G | A | rs12955786 | 5.68E-05 | 0.105 | 0.066 | 1.67 | 1.34 | -2.07 | 3.95E-01 | 0.085 | 0.099 | 0.85 | 0.69 | -1.04 | 1.17 | 4.57E-02 | VAPA(dist=306277), LINC01254(dist=138835) | intergenic |
| 4 | 35980617 | A | T | rs544205688;rs9990796 | 4.99E-05 | 0.408 | 0.350 | 1.28 | 1.13 | -1.45 | 2.84E-01 | 0.369 | 0.390 | 0.92 | 0.81 | -1.03 | 1.10 | 4.58E-02 | LOC101928622(dist=1939102), ARAP2(dist=87003) | intergenic |
| 10 | 33357713 | T | C | rs12355459 | 4.34E-05 | 0.046 | 0.021 | 2.25 | 1.59 | -3.17 | 6.80E-01 | 0.034 | 0.039 | 0.85 | 0.62 | -1.17 | 1.31 | 4.58E-02 | ITGB1(dist=110420), NRP1(dist=108706) | intergenic |
| 6 | 114380745 | A | C | rs12196433 | 1.54E-01 | 0.453 | 0.420 | 0.87 | 0.77 | -0.99 | 2.37E-05 | 0.376 | 0.448 | 1.34 | 1.19 | -1.51 | 1.10 | 4.60E-02 | LOC101927768 | ncRNA_intronic |
| 11 | 104475535 | G | T | rs11226441 | 1.83E-01 | 0.297 | 0.279 | 1.09 | 0.95 | -1.25 | 4.83E-05 | 0.234 | 0.282 | 0.78 | 0.68 | -0.89 | 0.90 | 4.64E-02 | LOC102723895 | ncRNA_intronic |
| 8 | 1749333 | C | T | rs75404472 | 4.64E-06 | 0.110 | 0.162 | 0.64 | 0.53 | -0.77 | 4.71E-02 | 0.137 | 0.112 | 1.25 | 1.05 | -1.49 | 0.87 | 4.64E-02 | MIR3674 | ncRNA_exonic |
| 5 | 165788953 | G | A | rs72809717 | 1.83E-05 | 0.044 | 0.021 | 2.15 | 1.52 | -3.05 | 2.46E-01 | 0.031 | 0.040 | 0.76 | 0.54 | -1.06 | 1.33 | 4.66E-02 | LOC102546299(dist=1818964), CTB-7E3.1(dist=543274) | intergenic |
| 8 | 66276066 | G | A | rs9298100 | 2.23E-01 | 0.186 | 0.168 | 1.13 | 0.96 | -1.32 | 5.72E-05 | 0.132 | 0.175 | 0.72 | 0.61 | -0.85 | 0.88 | 4.67E-02 | LINC00251(dist=183491), LINC01299(dist=163177) | intergenic |
| 8 | 5371040 | G | T | rs28375685 | 4.85E-05 | 0.020 | 0.047 | 0.42 | 0.28 | -0.62 | 2.16E-01 | 0.038 | 0.030 | 1.27 | 0.93 | -1.74 | 0.77 | 4.69E-02 | CSMD1(dist=518712), LOC100287015(dist=890037) | intergenic |
| 8 | 66278139 | G | A | rs10087366 | 2.39E-01 | 0.190 | 0.174 | 1.12 | 0.95 | -1.31 | 6.25E-05 | 0.138 | 0.181 | 0.73 | 0.62 | -0.86 | 0.88 | 4.71E-02 | LINC00251(dist=185564), LINC01299(dist=161104) | intergenic |
| 3 | 63827381 | G | A | rs13059603 | 1.65E-01 | 0.209 | 0.229 | 1.12 | 0.97 | -1.31 | 2.54E-05 | 0.265 | 0.220 | 0.78 | 0.68 | -0.89 | 0.90 | 4.72E-02 | C3orf49 | ncRNA_intronic |
| 12 | 5068232 | G | A | rs79431781 | 6.48E-05 | 0.058 | 0.029 | 2.02 | 1.49 | -2.73 | 4.35E-01 | 0.053 | 0.063 | 0.84 | 0.65 | -1.09 | 1.26 | 4.73E-02 | KCNA1(dist=40810), KCNA5(dist=84853) | intergenic |
| 3 | 63841942 | T | C | rs832189 | 7.78E-02 | 0.209 | 0.236 | 1.17 | 1.01 | -1.36 | 9.53E-06 | 0.267 | 0.214 | 0.75 | 0.65 | -0.85 | 0.90 | 4.74E-02 | THOC7 | intronic |
| 2 | 222392928 | T | C | rs76250216 | 2.47E-01 | 0.035 | 0.042 | 0.81 | 0.58 | -1.12 | 3.66E-06 | 0.050 | 0.031 | 1.67 | 1.26 | -2.22 | 1.36 | 4.74E-02 | EPHA4 | intronic |
| 12 | 5063504 | G | A | rs76364502 | 3.62E-05 | 0.057 | 0.028 | 2.08 | 1.53 | -2.83 | 3.61E-01 | 0.050 | 0.060 | 0.83 | 0.63 | -1.08 | 1.26 | 4.75E-02 | KCNA1(dist=36082), KCNA5(dist=89581) | intergenic |
| 8 | 1748721 | C | T | rs7844854 | 5.70E-06 | 0.107 | 0.158 | 0.64 | 0.53 | -0.77 | 5.53E-02 | 0.134 | 0.110 | 1.25 | 1.05 | -1.48 | 0.86 | 4.76E-02 | MIR3674 | upstream |
| 10 | 33361179 | T | C | rs2891368 | 6.10E-05 | 0.046 | 0.021 | 2.25 | 1.6 | -3.18 | 7.10E-01 | 0.036 | 0.042 | 0.87 | 0.64 | -1.18 | 1.29 | 4.79E-02 | ITGB1(dist=113886), NRP1(dist=105240) | intergenic |
| 12 | 5077421 | G | A | rs7303163 | 2.40E-05 | 0.058 | 0.028 | 2.12 | 1.56 | -2.87 | 3.04E-01 | 0.053 | 0.063 | 0.82 | 0.63 | -1.06 | 1.26 | 4.80E-02 | KCNA1(dist=49999), KCNA5(dist=75664) | intergenic |
| 10 | 33361185 | T | A | rs2383980 | 6.11E-05 | 0.046 | 0.021 | 2.25 | 1.6 | -3.18 | 7.10E-01 | 0.036 | 0.042 | 0.87 | 0.64 | -1.18 | 1.29 | 4.80E-02 | ITGB1(dist=113892), NRP1(dist=105234) | intergenic |
| 4 | 35992101 | A | G | rs9992603 | 3.56E-05 | 0.430 | 0.370 | 1.28 | 1.13 | -1.46 | 2.40E-01 | 0.383 | 0.404 | 0.91 | 0.81 | -1.03 | 1.09 | 4.80E-02 | LOC101928622(dist=1950586), ARAP2(dist=75519) | intergenic |
| 2 | 69893509 | A | G | rs72899459 | 3.92E-05 | 0.099 | 0.069 | 1.48 | 1.19 | -1.85 | 2.40E-01 | 0.068 | 0.075 | 0.90 | 0.72 | -1.14 | 1.19 | 4.83E-02 | AANK1(dist=22532), ANXA4(dist=75618) | intergenic |
| 8 | 66276210 | G | T | rs9298101 | 2.16E-01 | 0.185 | 0.167 | 1.13 | 0.96 | -1.33 | 5.79E-05 | 0.129 | 0.172 | 0.71 | 0.6 | -0.85 | 0.88 | 4.85E-02 | LINC00251(dist=183635), LINC01299(dist=163033) | intergenic |
| 2 | 208207317 | A | G | rs6710342 | 2.07E-01 | 0.120 | 0.100 | 1.23 | 1.01 | -1.49 | 4.48E-05 | 0.081 | 0.123 | 0.63 | 0.51 | -0.78 | 0.86 | 4.87E-02 | MIR1302-4(dist=73169), CREB1(dist=187299) | intergenic |
| 8 | 5966496 | C | G | rs73660526 | 9.57E-02 | 0.219 | 0.255 | 0.82 | 0.71 | -0.95 | 5.88E-06 | 0.266 | 0.203 | 1.42 | 1.24 | -1.63 | 1.12 | 4.89E-02 | CSMD1(dist=1114168), LOC100287015(dist=294581) | intergenic |
| 5 | 6257960 | G | T | rs72714334 | 2.98E-01 | 0.113 | 0.123 | 0.91 | 0.75 | -1.1 | 5.99E-05 | 0.148 | 0.117 | 1.32 | 1.11 | -1.56 | 1.17 | 4.89E-02 | ICE1(dist=767613), FLJ33360(dist=52594) | intergenic |
| 12 | 5063188 | G | T | rs974447 | 3.63E-05 | 0.057 | 0.028 | 2.08 | 1.53 | -2.82 | 3.55E-01 | 0.050 | 0.060 | 0.82 | 0.63 | -1.07 | 1.26 | 4.89E-02 | KCNA1(dist=35766), KCNA5(dist=89897) | intergenic |
| 9 | 94448572 | A | G | rs10992047 | 5.43E-05 | 0.361 | 0.418 | 0.79 | 0.69 | -0.89 | 2.16E-01 | 0.413 | 0.404 | 1.04 | 0.92 | -1.17 | 0.91 | 4.95E-02 | MIR3910-1(dist=49929), ROR2(dist=36306) | intergenic |
| 8 | 1748529 | A | G | rs78403745 | 6.32E-06 | 0.107 | 0.157 | 0.64 | 0.53 | -0.78 | 5.55E-02 | 0.134 | 0.110 | 1.25 | 1.05 | -1.48 | 0.87 | 4.95E-02 | MIR3674 | upstream |
| 8 | 5377029 | A | G | rs10100358 | 4.26E-05 | 0.020 | 0.047 | 0.41 | 0.27 | -0.61 | 1.79E-01 | 0.037 | 0.029 | 1.29 | 0.94 | -1.78 | 0.77 | 4.96E-02 | CSMD1(dist=524701), LOC100287015(dist=884048) | intergenic |
| 4 | 139708828 | A | G | rs72941666 | 1.21E-05 | 0.091 | 0.062 | 1.52 | 1.21 | -1.92 | 9.36E-02 | 0.054 | 0.062 | 0.87 | 0.67 | -1.12 | 1.22 | 4.96E-02 | LINC00499(dist=363330), CCRN4L(dist=228085) | intergenic |
| 4 | 122548144 | G | A | rs35294008 | 1.14E-01 | 0.327 | 0.304 | 1.11 | 0.97 | -1.27 | 2.17E-05 | 0.269 | 0.326 | 0.76 | 0.67 | -0.87 | 0.91 | 4.98E-02 | QRFPR(dist=245963), ANXA5(dist=41008) | intergenic |
| 2 | 54557481 | C | T | rs1727529 | 1.77E-01 | 0.132 | 0.131 | 1.01 | 0.84 | -1.22 | 2.90E-05 | 0.161 | 0.132 | 1.26 | 1.07 | -1.48 | 1.15 | 4.99E-02 | C2orf73 | upstream |
| 17 | 15905952 | C | T | rs8076538 | 3.27E-01 | 0.402 | 0.401 | 1.01 | 0.89 | -1.14 | 4.78E-05 | 0.325 | 0.362 | 0.85 | 0.75 | -0.96 | 0.91 | 5.00E-02 | TTC19 | intronic |
| 10 | 30777238 | T | C | rs17229476 | 6.42E-05 | 0.143 | 0.093 | 1.63 | 1.35 | -1.97 | 5.99E-01 | 0.132 | 0.150 | 0.86 | 0.73 | -1.02 | 1.19 | 5.03E-02 | MAP3K8(dist=26476), LYZL2(dist=123470) | intergenic |
| 10 | 36578032 | G | T | rs1219622 | 4.16E-05 | 0.164 | 0.105 | 1.68 | 1.41 | -2.01 | 5.52E-01 | 0.160 | 0.176 | 0.89 | 0.76 | -1.04 | 1.16 | 5.04E-02 | LINC01452(dist=488184), ANKRD30A(dist=836753) | intergenic |
| 12 | 5062786 | G | A | rs77487155 | 3.90E-05 | 0.057 | 0.028 | 2.06 | 1.52 | -2.8 | 3.56E-01 | 0.050 | 0.060 | 0.83 | 0.63 | -1.08 | 1.26 | 5.06E-02 | KCNA1(dist=35364), KCNA5(dist=90299) | intergenic |
| 2 | 54539096 | A | G | rs843643 | 1.80E-01 | 0.112 | 0.113 | 0.99 | 0.81 | -1.2 | 2.67E-05 | 0.141 | 0.113 | 1.29 | 1.08 | -1.53 | 1.16 | 5.07E-02 | ACYP2(dist=6661), C2orf73(dist=18975) | intergenic |
| 2 | 208206813 | C | G | rs6738474 | 1.89E-01 | 0.118 | 0.098 | 1.23 | 1.01 | -1.5 | 4.01E-05 | 0.081 | 0.123 | 0.63 | 0.51 | -0.78 | 0.86 | 5.13E-02 | MIR1302-4(dist=72665), CREB1(dist=187803) | intergenic |
| 5 | 117887195 | A | G | rs13172875 | 1.10E-01 | 0.426 | 0.389 | 0.86 | 0.76 | -0.97 | 1.11E-05 | 0.353 | 0.430 | 1.38 | 1.22 | -1.56 | 1.10 | 5.19E-02 | LOC101927280 | ncRNA_intronic |
| 5 | 117887009 | G | A | rs12210928 | 1.10E-01 | 0.426 | 0.389 | 0.86 | 0.76 | -0.97 | 1.13E-05 | 0.353 | 0.430 | 1.38 | 1.22 | -1.56 | 1.10 | 5.22E-02 | LOC101927280 | ncRNA_intronic |
| 3 | 63781484 | T | C | rs2201103 | 1.01E-01 | 0.194 | 0.218 | 1.16 | 0.99 | -1.35 | 1.46E-05 | 0.242 | 0.195 | 0.76 | 0.66 | -0.87 | 0.89 | 5.24E-02 | SNTN(dist=130593), C3orf49(dist=23557) | intergenic |
| 3 | 63788094 | A | G | rs4688424 | 1.02E-01 | 0.195 | 0.220 | 1.16 | 1 | -1.36 | 1.54E-05 | 0.251 | 0.203 | 0.76 | 0.66 | -0.87 | 0.90 | 5.27E-02 | SNTN(dist=137203), C3orf49(dist=16947) | intergenic |
| 8 | 5369487 | A | G | rs10090070 | 5.07E-05 | 0.020 | 0.047 | 0.42 | 0.28 | -0.62 | 1.93E-01 | 0.038 | 0.030 | 1.28 | 0.93 | -1.75 | 0.78 | 5.28E-02 | CSMD1(dist=517159), LOC100287015(dist=891590) | intergenic |
| 2 | 208207199 | T | C | rs6754129 | 1.91E-01 | 0.118 | 0.098 | 1.23 | 1.01 | -1.5 | 4.46E-05 | 0.081 | 0.123 | 0.63 | 0.51 | -0.78 | 0.86 | 5.32E-02 | MIR1302-4(dist=73051), CREB1(dist=187417) | intergenic |
| 8 | 5366120 | C | G | rs115690804 | 4.46E-05 | 0.020 | 0.046 | 0.41 | 0.28 | -0.62 | 1.67E-01 | 0.037 | 0.029 | 1.29 | 0.94 | -1.77 | 0.78 | 5.42E-02 | CSMD1(dist=513792), LOC100287015(dist=894957) | intergenic |
| 8 | 5366119 | A | T | rs114690256 | 4.46E-05 | 0.020 | 0.046 | 0.41 | 0.28 | -0.62 | 1.67E-01 | 0.037 | 0.029 | 1.29 | 0.94 | -1.77 | 0.78 | 5.42E-02 | CSMD1(dist=513791), LOC100287015(dist=894958) | intergenic |
| 19 | 16089701 | G | A | rs8105583 | 3.87E-05 | 0.403 | 0.349 | 1.26 | 1.11 | -1.43 | 1.10E-01 | 0.293 | 0.301 | 0.96 | 0.85 | -1.1 | 1.11 | 5.45E-02 | OR10H4(dist=28933), LINC00661(dist=36743) | intergenic |
| 10 | 22747294 | C | T | rs12260560 | 4.35E-05 | 0.053 | 0.089 | 0.57 | 0.44 | -0.74 | 3.63E-01 | 0.082 | 0.073 | 1.13 | 0.91 | -1.4 | 0.83 | 5.45E-02 | LOC100499489(dist=20436), PIP4K2A(dist=76472) | intergenic |
| 19 | 16089925 | C | T | rs8106771 | 4.32E-05 | 0.404 | 0.350 | 1.26 | 1.11 | -1.43 | 1.18E-01 | 0.294 | 0.301 | 0.97 | 0.85 | -1.1 | 1.11 | 5.45E-02 | OR10H4(dist=29157), LINC00661(dist=36519) | intergenic |
| 9 | 81722803 | G | A | rs151337013 | 2.13E-01 | 0.043 | 0.052 | 0.81 | 0.6 | -1.1 | 4.09E-05 | 0.064 | 0.043 | 1.54 | 1.2 | -1.97 | 1.28 | 5.48E-02 | PSAT1(dist=777794), LOC101927450(dist=27535) | intergenic |
| 19 | 16089275 | A | C | rs12609115 | 3.98E-05 | 0.402 | 0.348 | 1.26 | 1.11 | -1.43 | 1.12E-01 | 0.293 | 0.301 | 0.96 | 0.85 | -1.1 | 1.11 | 5.48E-02 | OR10H4(dist=28507), LINC00661(dist=37169) | intergenic |
| 3 | 2589835 | A | G | rs111717438 | 5.65E-02 | 0.392 | 0.363 | 1.13 | 0.99 | -1.28 | 4.14E-05 | 0.380 | 0.343 | 1.18 | 1.04 | -1.33 | 1.15 | 5.52E-02 | CNTN4 | intronic |
| 19 | 16089127 | T | C | rs28735501 | 4.06E-05 | 0.402 | 0.348 | 1.26 | 1.11 | -1.43 | 1.12E-01 | 0.293 | 0.301 | 0.96 | 0.85 | -1.1 | 1.11 | 5.53E-02 | OR10H4(dist=28359), LINC00661(dist=37317) | intergenic |
| 17 | 5126768 | G | A | rs78015303 | 1.44E-01 | 0.074 | 0.083 | 0.88 | 0.7 | -1.11 | 8.00E-06 | 0.113 | 0.084 | 1.40 | 1.16 | -1.69 | 1.21 | 5.53E-02 | LOC100130950 | ncRNA_exonic |
| 2 | 208173545 | A | G | rs16839586 | 9.75E-02 | 0.164 | 0.139 | 1.21 | 1.02 | -1.44 | 9.27E-06 | 0.104 | 0.152 | 0.65 | 0.54 | -0.78 | 0.88 | 5.54E-02 | MIR1302-4(dist=39397), CREB1(dist=221071) | intergenic |
| 19 | 160887 | | | | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 6 | 37151081 | G | A | rs116421496 | 2.08E-01 | 0.030 | 0.040 | 0.74 | 0.52 | -1.04 | 2.65E-05 | 0.048 | 0.028 | 1.74 | 1.3 | -2.33 | 1.32 | 5.76E-02 | PIM1(dist=7877), TMEM217(dist=28873) | intergenic |
| 17 | 48295448 | C | G | rs12051652 | 6.09E-05 | 0.075 | 0.043 | 1.79 | 1.38 | -2.33 | 2.63E-01 | 0.074 | 0.086 | 0.85 | 0.68 | -1.06 | 1.22 | 5.81E-02 | LOC101927230(dist=2667), TMEM92(dist=53319) | intergenic |
| 8 | 127625650 | G | T | rs11786548 | 8.74E-02 | 0.023 | 0.027 | 0.84 | 0.56 | -1.25 | 4.95E-05 | 0.052 | 0.036 | 1.46 | 1.11 | -1.92 | 1.32 | 5.84E-02 | FAM84B(dist=54939), PCAT1(dist=399749) | intergenic |
| 2 | 208203060 | G | A | rs788670690;rs201951771 | 1.57E-01 | 0.120 | 0.099 | 1.24 | 1.02 | -1.51 | 4.19E-05 | 0.082 | 0.124 | 0.63 | 0.52 | -0.78 | 0.87 | 5.85E-02 | MIR1302-4(dist=68912), CREB1(dist=191556) | intergenic |
| 8 | 6014159 | T | C | rs2552264 | 2.02E-01 | 0.076 | 0.089 | 0.84 | 0.67 | -1.06 | 2.26E-05 | 0.105 | 0.071 | 1.52 | 1.25 | -1.86 | 1.19 | 5.86E-02 | CSMD1(dist=1161831), LOC100287015(dist=246918) | intergenic |
| 5 | 116385327 | T | G | rs140910946 | 2.46E-01 | 0.030 | 0.036 | 0.83 | 0.58 | -1.18 | 4.46E-05 | 0.050 | 0.032 | 1.57 | 1.19 | -2.08 | 1.36 | 5.90E-02 | LOC102467223(dist=287422), LINC00992(dist=365881) | intergenic |
| 19 | 16089233 | G | A | rs12610474 | 4.86E-05 | 0.356 | 0.304 | 1.27 | 1.11 | -1.45 | 9.41E-02 | 0.259 | 0.268 | 0.95 | 0.84 | -1.09 | 1.11 | 5.94E-02 | OR10H4(dist=28465), LINC00661(dist=37211) | intergenic |
| 2 | 54551008 | C | T | rs1727533 | 1.96E-01 | 0.116 | 0.115 | 1.00 | 0.83 | -1.22 | 6.21E-05 | 0.143 | 0.116 | 1.26 | 1.07 | -1.5 | 1.15 | 5.97E-02 | ACYP2(dist=18573), C2orf73(dist=7063) | intergenic |
| 1 | 104474710 | G | A | rs34356428 | 6.49E-02 | 0.245 | 0.268 | 0.89 | 0.77 | -1.02 | 5.39E-06 | 0.322 | 0.266 | 1.31 | 1.15 | -1.49 | 1.10 | 6.01E-02 | AMY1A(dist=173399), LOC100129138(dist=140935) | intergenic |
| 10 | 51532528 | G | A | rs4630240 | 1.86E-06 | 0.121 | 0.071 | 1.80 | 1.46 | -2.22 | 2.11E-01 | 0.093 | 0.110 | 0.83 | 0.68 | -1.01 | 1.19 | 6.08E-02 | TIMM23B | intronic |
| 2 | 204730901 | T | C | rs11571315 | 1.06E-01 | 0.508 | 0.489 | 0.92 | 0.82 | -1.05 | 2.66E-05 | 0.453 | 0.509 | 1.26 | 1.12 | -1.41 | 1.09 | 6.10E-02 | CD28(dist=127265), CTLA4(dist=1610) | intergenic |
| 3 | 63878340 | G | A | rs372095772;rs704362 | 4.86E-02 | 0.208 | 0.239 | 1.19 | 1.03 | -1.39 | 6.27E-06 | 0.267 | 0.213 | 0.74 | 0.65 | -0.85 | 0.90 | 6.14E-02 | ATXN7 | intronic |
| 2 | 208200424 | C | G | rs17201911 | 1.54E-01 | 0.121 | 0.099 | 1.24 | 1.02 | -1.51 | 4.68E-05 | 0.082 | 0.124 | 0.63 | 0.52 | -0.78 | 0.87 | 6.15E-02 | MIR1302-4(dist=66276), CREB1(dist=194192) | intergenic |
| 8 | 16357763 | T | C | rs78844957 | 4.59E-05 | 0.036 | 0.061 | 0.57 | 0.42 | -0.78 | 1.18E-01 | 0.050 | 0.041 | 1.24 | 0.94 | -1.62 | 0.80 | 6.25E-02 | MSR1(dist=307463), FGF20(dist=492571) | intergenic |
| 11 | 104420700 | G | A | rs60064090 | 1.26E-01 | 0.268 | 0.247 | 1.12 | 0.97 | -1.29 | 4.68E-05 | 0.204 | 0.252 | 0.76 | 0.66 | -0.88 | 0.91 | 6.33E-02 | MIR7641-1(dist=297321), LOC102723895(dist=18517) | intergenic |
| 12 | 5079155 | A | C | rs77941559 | 6.50E-05 | 0.056 | 0.028 | 2.08 | 1.52 | -2.83 | 3.10E-01 | 0.051 | 0.062 | 0.82 | 0.63 | -1.06 | 1.24 | 6.38E-02 | KCNA1(dist=51733), KCNA5(dist=73930) | intergenic |
| 5 | 117889038 | A | T | rs919467 | 1.49E-01 | 0.177 | 0.146 | 0.79 | 0.67 | -0.94 | 5.78E-05 | 0.133 | 0.192 | 1.55 | 1.31 | -1.84 | 1.13 | 6.38E-02 | LOC101927280 | ncRNA_intronic |
| 13 | 106154210 | T | A | rs778329 | 5.11E-02 | 0.123 | 0.133 | 0.91 | 0.75 | -1.09 | 1.12E-05 | 0.165 | 0.137 | 1.25 | 1.06 | -1.46 | 1.16 | 6.59E-02 | DAOA-AS1 | ncRNA_intronic |
| 2 | 172376961 | G | A | rs72884317 | 1.37E-01 | 0.023 | 0.023 | 0.98 | 0.65 | -1.49 | 3.93E-05 | 0.042 | 0.029 | 1.50 | 1.11 | -2.04 | 1.36 | 6.61E-02 | DCAF17(dist=35399), CYBRD1(dist=1796) | intergenic |
| 10 | 54917916 | T | G | rs10430535 | 2.51E-05 | 0.401 | 0.335 | 1.33 | 1.17 | -1.51 | 2.65E-01 | 0.347 | 0.366 | 0.92 | 0.81 | -1.04 | 1.10 | 6.66E-02 | MBL2(dist=386456), PCDH15(dist=644617) | intergenic |
| 16 | 75773584 | C | T | rs140193503 | 3.28E-05 | 0.074 | 0.049 | 1.53 | 1.19 | -1.98 | 1.32E-01 | 0.043 | 0.049 | 0.87 | 0.65 | -1.15 | 1.23 | 6.73E-02 | TERF2IP(dist=82243), CNTNAP4(dist=537592) | intergenic |
| 2 | 208169002 | T | C | rs74846006 | 8.69E-02 | 0.162 | 0.137 | 1.22 | 1.03 | -1.45 | 1.19E-05 | 0.104 | 0.152 | 0.65 | 0.54 | -0.78 | 0.89 | 6.74E-02 | MIR1302-4(dist=34854), CREB1(dist=225614) | intergenic |
| 7 | 106651787 | C | T | rs10234225 | 3.17E-05 | 0.185 | 0.144 | 1.35 | 1.14 | -1.59 | 1.48E-01 | 0.140 | 0.152 | 0.91 | 0.77 | -1.07 | 1.12 | 6.74E-02 | PIK3CG(dist=102364), PRKAR2B(dist=33391) | intergenic |
| 11 | 104436445 | C | T | rs11226428 | 9.42E-02 | 0.267 | 0.245 | 1.13 | 0.98 | -1.3 | 3.43E-05 | 0.203 | 0.252 | 0.76 | 0.66 | -0.87 | 0.91 | 6.85E-02 | MIR7641-1(dist=313066), LOC102723895(dist=2772) | intergenic |
| 19 | 22666774 | T | C | rs2905567 | 2.98E-01 | 0.025 | 0.032 | 0.75 | 0.51 | -1.11 | 3.79E-05 | 0.037 | 0.021 | 1.77 | 1.27 | -2.46 | 1.35 | 6.86E-02 | ZNF98(dist=61626), LOC101929124(dist=37023) | intergenic |
| 2 | 54544511 | A | G | rs843633 | 1.62E-01 | 0.111 | 0.114 | 0.98 | 0.81 | -1.19 | 4.73E-05 | 0.139 | 0.112 | 1.28 | 1.08 | -1.52 | 1.15 | 6.94E-02 | ACYP2(dist=12076), C2orf73(dist=13560) | intergenic |
| 18 | 6562910 | C | T | rs112397707 | 1.35E-01 | 0.113 | 0.133 | 0.83 | 0.69 | -1.01 | 2.38E-05 | 0.141 | 0.103 | 1.43 | 1.21 | -1.7 | 1.16 | 6.95E-02 | LINC01387 | ncRNA_intronic |
| 10 | 22751121 | G | T | rs75962181 | 5.48E-05 | 0.050 | 0.085 | 0.56 | 0.43 | -0.74 | 3.16E-01 | 0.079 | 0.070 | 1.14 | 0.92 | -1.42 | 0.84 | 7.07E-02 | LOC100499489(dist=24263), PIP4K2A(dist=72645) | intergenic |
| 1 | 104473412 | C | T | rs10881523 | 6.67E-02 | 0.278 | 0.304 | 0.88 | 0.77 | -1.01 | 8.62E-06 | 0.351 | 0.293 | 1.30 | 1.15 | -1.47 | 1.10 | 7.10E-02 | AMY1A(dist=172101), LOC100129138(dist=142233) | intergenic |
| 11 | 104424807 | A | G | rs11226426 | 8.76E-02 | 0.268 | 0.245 | 1.13 | 0.98 | -1.3 | 3.36E-05 | 0.203 | 0.252 | 0.76 | 0.66 | -0.87 | 0.91 | 7.16E-02 | MIR7641-1(dist=301428), LOC102723895(dist=14410) | intergenic |
| 19 | 22668153 | C | T | rs2905569 | 3.17E-01 | 0.025 | 0.032 | 0.75 | 0.51 | -1.11 | 5.51E-05 | 0.037 | 0.021 | 1.79 | 1.28 | -2.49 | 1.33 | 7.17E-02 | ZNF98(dist=63005), LOC101929124(dist=35644) | intergenic |
| 3 | 63804761 | T | C | rs9842724 | 7.74E-02 | 0.219 | 0.244 | 1.16 | 1 | -1.34 | 2.09E-05 | 0.274 | 0.225 | 0.77 | 0.67 | -0.88 | 0.91 | 7.21E-02 | C3orf49 | upstream |
| 8 | 9641034 | A | G | rs17150478 | 5.19E-05 | 0.072 | 0.043 | 1.72 | 1.32 | -2.24 | 3.22E-01 | 0.052 | 0.065 | 0.79 | 0.61 | -1.02 | 1.23 | 7.22E-02 | TNKS(dist=1178), LINC00599(dist=116540) | intergenic |
| 1 | 104464676 | C | G | rs7524994 | 7.30E-02 | 0.250 | 0.273 | 0.89 | 0.77 | -1.02 | 1.18E-05 | 0.319 | 0.266 | 1.29 | 1.14 | -1.47 | 1.10 | 7.26E-02 | AMY1A(dist=163365), LOC100129138(dist=150969) | intergenic |
| 2 | 204721752 | T | C | rs1024161 | 1.06E-01 | 0.507 | 0.487 | 0.92 | 0.82 | -1.04 | 4.26E-05 | 0.449 | 0.504 | 1.25 | 1.11 | -1.4 | 1.09 | 7.27E-02 | CD28(dist=118116), CTLA4(dist=10759) | intergenic |
| 5 | 53739438 | T | C | rs7722771;rs386688056 | 2.25E-01 | 0.289 | 0.259 | 1.16 | 1.01 | -1.33 | 4.97E-05 | 0.282 | 0.345 | 0.74 | 0.65 | -0.85 | 0.91 | 7.28E-02 | LINC01033(dist=28483), HSPB3(dist=11993) | intergenic |
| 2 | 69873441 | A | G | rs72899439 | 2.01E-05 | 0.137 | 0.102 | 1.39 | 1.15 | -1.68 | 1.03E-01 | 0.098 | 0.106 | 0.91 | 0.75 | -1.11 | 1.14 | 7.35E-02 | AAK1(dist=2464), ANXA4(dist=95686) | intergenic |
| 7 | 113476939 | G | A | rs35514509 | 1.71E-01 | 0.263 | 0.289 | 0.88 | 0.77 | -1.01 | 4.85E-05 | 0.290 | 0.240 | 1.30 | 1.14 | -1.48 | 1.11 | 7.40E-02 | LINC00998(dist=718302), PPP1R3A(dist=39943) | intergenic |
| 12 | 44290804 | A | G | rs76196511 | 2.71E-01 | 0.042 | 0.050 | 0.82 | 0.61 | -1.11 | 3.79E-05 | 0.051 | 0.029 | 1.78 | 1.34 | -2.37 | 1.25 | 7.40E-02 | TMEM117 | intronic |
| 2 | 208161240 | C | T | rs79856371 | 9.50E-02 | 0.163 | 0.138 | 1.21 | 1.02 | -1.44 | 1.70E-05 | 0.104 | 0.151 | 0.66 | 0.54 | -0.79 | 0.89 | 7.42E-02 | MIR1302-4(dist=27092), CREB1(dist=233376) | intergenic |
| 11 | 8504936 | G | T | rs2028881 | 1.22E-01 | 0.240 | 0.268 | 0.86 | 0.75 | -1 | 2.97E-05 | 0.290 | 0.237 | 1.31 | 1.15 | -1.49 | 1.10 | 7.57E-02 | STK33 | intronic |
| 1 | 104473089 | T | C | rs11185336 | 5.40E-02 | 0.276 | 0.302 | 0.88 | 0.77 | -1.01 | 9.39E-06 | 0.351 | 0.294 | 1.30 | 1.15 | -1.47 | 1.09 | 7.66E-02 | AMY1A(dist=171778), LOC100129138(dist=142556) | intergenic |
| 11 | 104456146 | C | T | rs12361087 | 1.24E-01 | 0.297 | 0.277 | 1.11 | 0.96 | -1.27 | 5.34E-05 | 0.220 | 0.267 | 0.77 | 0.67 | -0.89 | 0.91 | 7.69E-02 | LOC102723895 | ncRNA_intronic |
| 10 | 32085338 | A | G | rs10508767 | 4.26E-05 | 0.138 | 0.195 | 0.66 | 0.56 | -0.79 | 3.20E-01 | 0.197 | 0.182 | 1.10 | 0.95 | -1.28 | 0.90 | 7.76E-02 | ZEB1(dist=266596), ARHGAP12(dist=8988) | intergenic |
| 11 | 2873600 | T | C | rs34336559 | 1.04E-01 | 0.279 | 0.298 | 0.91 | 0.79 | -1.05 | 4.42E-05 | 0.310 | 0.268 | 1.22 | 1.08 | -1.39 | 1.11 | 7.82E-02 | KCNQ1-AS1 | ncRNA_intronic |
| 10 | 32085509 | T | G | rs16932691 | 4.28E-05 | 0.138 | 0.195 | 0.66 | 0.56 | -0.79 | 3.18E-01 | 0.197 | 0.182 | 1.10 | 0.95 | -1.28 | 0.90 | 7.82E-02 | ZEB1(dist=266767), ARHGAP12(dist=8817) | intergenic |
| 8 | 6014872 | C | G | rs145096458 | 2.02E-01 | 0.076 | 0.088 | 0.84 | 0.67 | -1.06 | 2.64E-05 | 0.097 | 0.066 | 1.52 | 1.24 | -1.87 | 1.18 | 8.01E-02 | CSMD1(dist=1162544), LOC100287015(dist=246205) | intergenic |
| 1 | 238811303 | A | G | rs73106276 | 4.09E-01 | 0.054 | 0.064 | 0.83 | 0.64 | -1.09 | 3.40E-05 | 0.060 | 0.040 | 1.54 | 1.19 | -1.99 | 1.25 | 8.02E-02 | LINC01139(dist=161986), CHR3(dist=981070) | intergenic |
| 8 | 5949384 | T | C | rs10104205 | 5.45E-05 | 0.413 | 0.484 | 0.75 | 0.66 | -0.85 | 1.58E-01 | 0.456 | 0.429 | 1.12 | 0.99 | -1.25 | 0.92 | 8.07E-02 | CSMD1(dist=1097056), LOC100287015(dist=311693) | intergenic |
| 12 | 44042573 | C | T | rs74968837 | 5.29E-02 | 0.037 | 0.050 | 0.73 | 0.53 | -0.99 | 2.40E-05 | 0.062 | 0.036 | 1.79 | 1.39 | -2.32 | 1.23 | 8.24E-02 | ADAMTS20(dist=96849), PUS7L(dist=79837) | intergenic |
| 11 | 104445004 | T | C | rs59832858 | 1.14E-01 | 0.306 | 0.284 | 1.11 | 0.97 | -1.27 | 5.37E-05 | 0.229 | 0.276 | 0.78 | 0.68 | -0.89 | 0.92 | 8.31E-02 | LOC102723895 | ncRNA_intronic |
| 3 | 175307823 | G | A | rs9853586 | 3.98E-05 | 0.376 | 0.323 | 0.79 | 0.69 | -0.9 | 6.02E-02 | 0.326 | 0.345 | 1.09 | 0.96 | -1.24 | 0.90 | 8.59E-02 | NAALADL2 | intronic |
| 8 | 1749241 | C | T | rs7845565 | 3.57E-05 | 0.097 | 0.141 | 0.65 | 0.53 | -0.79 | 6.45E-02 | 0.128 | 0.106 | 1.24 | 1.04 | -1.48 | 0.88 | 8.74E-02 | MIR3674 | upstream |
| 5 | 53738494 | C | A | rs10940395 | 1.67E-01 | 0.276 | 0.245 | 1.18 | 1.02 | -1.35 | 4.25E-05 | 0.263 | 0.326 | 0.74 | 0.65 | -0.84 | 0.91 | 8.79E-02 | LINC01033(dist=27539), HSPB3(dist=12937) | intergenic |
| 17 | 32300379 | C | T | rs202018348;rs902560 | 2.39E-01 | 0.080 | 0.089 | 1.13 | 0.91 | -1.42 | 3.24E-05 | 0.106 | 0.075 | 0.69 | 0.57 | -0.84 | 0.86 | 8.81E-02 | ASIC2 | intronic |
| 1 | 617 | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|--------|----------|---|----------------|
| 8 | 106598462 | A | G | rs72673756 | 4.81E-06 | 0.058 | 0.092 | 0.61 | 0.47 | -0.78 | 6.01E-02 | 0.100 | 0.090 | 1.12 | 0.92 | -1.37 | 0.87 | 9.42E-02 | ZFPM2 | intronic |
| 8 | 634494 | C | G | rs336440 | 3.00E-05 | 0.024 | 0.051 | 0.46 | 0.32 | -0.67 | 1.54E-01 | 0.052 | 0.041 | 1.28 | 0.98 | -1.68 | 0.82 | 9.43E-02 | ERICH1 | intronic |
| 2 | 56163875 | C | T | rs7563487 | 1.31E-01 | 0.174 | 0.179 | 1.04 | 0.88 | -1.22 | 3.67E-05 | 0.203 | 0.169 | 0.80 | 0.69 | -0.92 | 0.90 | 9.54E-02 | EFEMP1(dist=12577), MIR217HG(dist=26666) | intergenic |
| 10 | 32089877 | G | A | rs77107450 | 4.73E-05 | 0.138 | 0.194 | 0.66 | 0.56 | -0.79 | 2.76E-01 | 0.199 | 0.183 | 1.11 | 0.96 | -1.29 | 0.90 | 9.57E-02 | ZEB1(dist=271135), ARHGAP12(dist=4449) | intergenic |
| 8 | 5966427 | C | G | rs73660525 | 5.00E-02 | 0.203 | 0.241 | 0.80 | 0.69 | -0.93 | 1.21E-05 | 0.250 | 0.190 | 1.42 | 1.24 | -1.63 | 1.10 | 9.65E-02 | CSMD1(dist=1114099), LOC100287015(dist=294650) | intergenic |
| 10 | 31856588 | G | T | rs10740846 | 1.97E-05 | 0.153 | 0.094 | 0.58 | 0.48 | -0.69 | 1.95E-01 | 0.129 | 0.150 | 1.20 | 1.01 | -1.42 | 0.88 | 9.73E-02 | ZEB1(dist=37846), ARHGAP12(dist=237738) | intergenic |
| 17 | 15959537 | G | A | rs11657857 | 9.74E-02 | 0.038 | 0.025 | 1.52 | 1.07 | -2.16 | 3.08E-05 | 0.049 | 0.042 | 1.19 | 0.91 | -1.57 | 1.52 | 9.90E-02 | NCOR1 | intronic |
| 5 | 145787259 | T | C | rs12517249 | 9.70E-02 | 0.032 | 0.021 | 1.54 | 1.05 | -2.26 | 2.96E-05 | 0.046 | 0.042 | 1.10 | 0.83 | -1.46 | 1.48 | 9.94E-02 | POU4F3(dist=67176), TCERG1(dist=39614) | intergenic |
| 10 | 32090893 | T | C | rs7100310 | 5.28E-05 | 0.138 | 0.194 | 0.66 | 0.56 | -0.79 | 2.70E-01 | 0.199 | 0.183 | 1.11 | 0.96 | -1.29 | 0.90 | 1.00E-01 | ZEB1(dist=272151), ARHGAP12(dist=3433) | intergenic |
| 11 | 104454149 | A | G | rs34526738 | 9.26E-02 | 0.299 | 0.276 | 1.12 | 0.97 | -1.28 | 6.20E-05 | 0.221 | 0.268 | 0.78 | 0.67 | -0.89 | 0.92 | 1.00E-01 | LOC102723895 | ncRNA_intronic |
| 12 | 44290544 | C | T | rs114079287,rs386762605 | 1.96E-01 | 0.038 | 0.048 | 0.79 | 0.58 | -1.08 | 3.79E-05 | 0.051 | 0.029 | 1.78 | 1.34 | -2.37 | 1.22 | 1.00E-01 | TMEM117 | intronic |
| 19 | 36645683 | G | A | rs148955536 | 5.68E-02 | 0.044 | 0.060 | 0.72 | 0.54 | -0.97 | 3.83E-05 | 0.076 | 0.051 | 1.53 | 1.22 | -1.93 | 1.21 | 1.02E-01 | COX7A1(dist=1912), ZNF565(dist=27279) | intergenic |
| 8 | 6014726 | G | C | rs2552265 | 8.82E-02 | 0.268 | 0.297 | 0.87 | 0.75 | -1 | 3.15E-05 | 0.305 | 0.248 | 1.33 | 1.17 | -1.51 | 1.09 | 1.02E-01 | CSMD1(dist=1162398), LOC100287015(dist=246351) | intergenic |
| 10 | 68034367 | A | T | rs10997030 | 5.24E-05 | 0.109 | 0.073 | 1.56 | 1.26 | -1.93 | 2.84E-01 | 0.095 | 0.105 | 0.89 | 0.73 | -1.09 | 1.15 | 1.03E-01 | CTNNA3 | intronic |
| 10 | 31704572 | C | T | rs161254 | 5.59E-05 | 0.273 | 0.190 | 0.63 | 0.54 | -0.72 | 2.57E-01 | 0.239 | 0.270 | 1.18 | 1.03 | -1.35 | 0.90 | 1.05E-01 | ZEB1 | intronic |
| 10 | 50379773 | A | G | rs2002435 | 6.00E-05 | 0.342 | 0.266 | 0.69 | 0.61 | -0.79 | 2.77E-01 | 0.299 | 0.324 | 1.13 | 0.99 | -1.28 | 0.92 | 1.05E-01 | C10orf128 | intronic |
| 4 | 79982983 | C | A | rs114997541 | 2.02E-01 | 0.026 | 0.034 | 0.76 | 0.52 | -1.11 | 3.88E-05 | 0.039 | 0.023 | 1.70 | 1.23 | -2.34 | 1.30 | 1.08E-01 | LINC01088 | ncRNA_intronic |
| 8 | 633770 | C | A | rs336443 | 6.25E-05 | 0.027 | 0.053 | 0.49 | 0.34 | -0.69 | 1.49E-01 | 0.053 | 0.041 | 1.29 | 0.98 | -1.68 | 0.83 | 1.08E-01 | ERICH1 | intronic |
| 10 | 32091654 | T | C | rs73251478 | 5.31E-05 | 0.140 | 0.195 | 0.67 | 0.56 | -0.79 | 2.56E-01 | 0.201 | 0.184 | 1.11 | 0.96 | -1.29 | 0.90 | 1.08E-01 | ZEB1(dist=272912), ARHGAP12(dist=2672) | intergenic |
| 8 | 106598218 | G | A | rs72673755 | 6.33E-06 | 0.059 | 0.092 | 0.62 | 0.48 | -0.79 | 5.47E-02 | 0.101 | 0.090 | 1.12 | 0.92 | -1.37 | 0.87 | 1.09E-01 | ZFPM2 | intronic |
| 2 | 208158100 | C | T | rs16839577 | 8.11E-02 | 0.163 | 0.138 | 1.22 | 1.03 | -1.45 | 3.84E-05 | 0.103 | 0.147 | 0.67 | 0.55 | -0.81 | 0.90 | 1.11E-01 | MIR1302-4(dist=23952), CREB1(dist=236516) | intergenic |
| 4 | 35982123 | C | G | rs4832919 | 5.80E-05 | 0.276 | 0.219 | 1.36 | 1.18 | -1.56 | 1.28E-01 | 0.236 | 0.263 | 0.86 | 0.75 | -0.99 | 1.09 | 1.13E-01 | LOC101928622(dist=1940608), ARAP2(dist=85497) | intergenic |
| 4 | 35986025 | A | G | rs6831355 | 6.25E-05 | 0.276 | 0.219 | 1.36 | 1.18 | -1.56 | 1.29E-01 | 0.236 | 0.264 | 0.86 | 0.75 | -0.99 | 1.09 | 1.15E-01 | LOC101928622(dist=1944510), ARAP2(dist=81595) | intergenic |
| 4 | 139631944 | C | A | rs72937607 | 3.53E-05 | 0.150 | 0.114 | 1.37 | 1.15 | -1.64 | 1.04E-01 | 0.118 | 0.126 | 0.92 | 0.77 | -1.11 | 1.12 | 1.15E-01 | LINC00499(dist=286446), CCRN4L(dist=304969) | intergenic |
| 19 | 36995235 | C | T | rs184387894 | 9.14E-03 | 0.012 | 0.023 | 0.52 | 0.31 | -0.87 | 9.68E-06 | 0.041 | 0.023 | 1.80 | 1.32 | -2.47 | 1.32 | 1.17E-01 | LOC728752(dist=13293), ZNF260(dist=6354) | intergenic |
| 8 | 106599430 | G | A | rs112451216 | 2.45E-05 | 0.068 | 0.103 | 0.65 | 0.51 | -0.82 | 8.53E-02 | 0.109 | 0.099 | 1.11 | 0.92 | -1.34 | 0.88 | 1.22E-01 | ZFPM2 | intronic |
| 10 | 24665624 | G | T | rs112253843 | 6.63E-06 | 0.074 | 0.037 | 2.12 | 1.62 | -2.77 | 2.00E-01 | 0.091 | 0.108 | 0.83 | 0.68 | -1.01 | 1.17 | 1.23E-01 | KIAA1217 | intronic |
| 10 | 130291391 | G | A | rs74159401 | 3.23E-05 | 0.043 | 0.027 | 1.62 | 1.16 | -2.25 | 7.19E-02 | 0.019 | 0.024 | 0.79 | 0.52 | -1.2 | 1.33 | 1.26E-01 | LINC01163(dist=175401), MGMT(dist=974063) | intergenic |
| 10 | 24691875 | G | C | rs72776750 | 7.86E-06 | 0.074 | 0.041 | 1.89 | 1.45 | -2.46 | 2.46E-01 | 0.075 | 0.089 | 0.83 | 0.67 | -1.03 | 1.19 | 1.27E-01 | KIAA1217 | intronic |
| 12 | 110283382 | A | G | rs12316750 | 1.58E-02 | 0.108 | 0.137 | 0.77 | 0.63 | -0.93 | 2.28E-05 | 0.159 | 0.118 | 1.42 | 1.21 | -1.67 | 1.11 | 1.27E-01 | MIR4497(dist=12141), GLTP(dist=5366) | intergenic |
| 10 | 31577713 | A | T | rs7911781 | 6.13E-05 | 0.257 | 0.176 | 0.62 | 0.53 | -0.71 | 2.03E-01 | 0.230 | 0.263 | 1.19 | 1.04 | -1.37 | 0.91 | 1.29E-01 | ZNF438(dist=256847), ZEB1-AS1(dist=27744) | intergenic |
| 8 | 5996200 | C | G | rs2700712 | 1.21E-01 | 0.097 | 0.114 | 0.83 | 0.68 | -1.02 | 3.03E-05 | 0.118 | 0.083 | 1.48 | 1.23 | -1.78 | 1.13 | 1.31E-01 | CSMD1(dist=1143872), LOC100287015(dist=264877) | intergenic |
| 10 | 12386404 | C | A | rs111952600 | 5.17E-05 | 0.074 | 0.050 | 1.54 | 1.2 | -1.99 | 1.62E-01 | 0.046 | 0.053 | 0.87 | 0.66 | -1.14 | 1.17 | 1.32E-01 | TACC2 | intronic |
| 2 | 208155956 | A | G | rs12052532 | 4.58E-02 | 0.172 | 0.144 | 1.24 | 1.05 | -1.47 | 2.36E-05 | 0.111 | 0.157 | 0.67 | 0.56 | -0.8 | 0.91 | 1.35E-01 | MIR1302-4(dist=21808), CREB1(dist=238660) | intergenic |
| 17 | 76805287 | A | G | rs11870759 | 1.89E-01 | 0.031 | 0.039 | 0.79 | 0.56 | -1.11 | 3.09E-05 | 0.040 | 0.023 | 1.73 | 1.26 | -2.37 | 1.28 | 1.41E-01 | USP36 | intronic |
| 8 | 5996685 | A | G | rs2570702 | 1.05E-01 | 0.093 | 0.111 | 0.82 | 0.67 | -1.01 | 3.27E-05 | 0.117 | 0.083 | 1.48 | 1.22 | -1.78 | 1.13 | 1.44E-01 | CSMD1(dist=1144357), LOC100287015(dist=264392) | intergenic |
| 4 | 25581351 | A | G | rs7681794 | 1.47E-01 | 0.039 | 0.047 | 0.82 | 0.6 | -1.12 | 3.97E-05 | 0.055 | 0.039 | 1.42 | 1.09 | -1.86 | 0.73 | 1.48E-01 | ANAPC4(dist=161231), SLC34A2(dist=76084) | intergenic |
| 1 | 61782949 | T | C | rs11207722 | 7.27E-02 | 0.056 | 0.072 | 0.76 | 0.59 | -0.99 | 4.25E-05 | 0.105 | 0.077 | 1.40 | 1.15 | -1.71 | 1.15 | 1.50E-01 | NFIA | intronic |
| 1 | 61794156 | C | T | rs71641728 | 6.99E-02 | 0.065 | 0.082 | 0.78 | 0.61 | -1 | 5.69E-05 | 0.108 | 0.079 | 1.40 | 1.16 | -1.7 | 1.14 | 1.51E-01 | NFIA | intronic |
| 4 | 2061334 | C | T | rs183901937 | 4.44E-05 | 0.131 | 0.104 | 1.30 | 1.08 | -1.58 | 4.93E-02 | 0.091 | 0.102 | 0.88 | 0.72 | -1.08 | 1.15 | 1.51E-01 | NAT8L | exonic |
| 8 | 11524768 | C | T | rs56191770,rs386722291 | 5.82E-05 | 0.151 | 0.108 | 1.46 | 1.22 | -1.75 | 8.63E-02 | 0.102 | 0.123 | 0.81 | 0.67 | -0.98 | 1.12 | 1.53E-01 | LINC00208(dist=85918), GATA4(dist=36949) | intergenic |
| 1 | 69154409 | T | A | rs75143548 | 1.51E-01 | 0.018 | 0.021 | 0.85 | 0.54 | -1.34 | 1.31E-05 | 0.040 | 0.031 | 1.30 | 0.96 | -1.76 | 0.71 | 1.54E-01 | DEPDC1-AS1(dist=150099), LRRC7(dist=1071449) | intergenic |
| 10 | 123875928 | C | T | rs73372127 | 3.66E-05 | 0.071 | 0.047 | 1.56 | 1.2 | -2.02 | 8.36E-02 | 0.040 | 0.048 | 0.83 | 0.62 | -1.12 | 1.18 | 1.58E-01 | TACC2 | intronic |
| 13 | 28186925 | C | T | rs116788974 | 1.50E-01 | 0.044 | 0.039 | 1.11 | 0.82 | -1.51 | 1.18E-06 | 0.040 | 0.026 | 1.56 | 1.14 | -2.13 | 1.34 | 1.59E-01 | LNX2 | intronic |
| 1 | 61791554 | G | A | rs12742828 | 5.44E-02 | 0.064 | 0.082 | 0.76 | 0.6 | -0.98 | 3.70E-05 | 0.112 | 0.083 | 1.40 | 1.16 | -1.69 | 1.14 | 1.60E-01 | NFIA | intronic |
| 10 | 7198134 | T | C | rs17142539 | 1.27E-01 | 0.077 | 0.095 | 0.79 | 0.63 | -1 | 4.80E-05 | 0.086 | 0.061 | 1.44 | 1.16 | -1.78 | 1.15 | 1.62E-01 | LINC00707(dist=313266), SFMBT2(dist=2452) | intergenic |
| 19 | 36608094 | A | G | rs75735458 | 3.79E-02 | 0.043 | 0.060 | 0.71 | 0.53 | -0.95 | 1.82E-05 | 0.066 | 0.042 | 1.61 | 1.26 | -2.06 | 1.18 | 1.62E-01 | TBCB | intronic |
| 1 | 61781106 | C | T | rs41423747 | 6.04E-02 | 0.057 | 0.073 | 0.76 | 0.59 | -0.99 | 5.16E-05 | 0.104 | 0.077 | 1.40 | 1.15 | -1.7 | 1.14 | 1.67E-01 | NFIA | intronic |
| 20 | 6962844 | C | T | rs145687738 | 7.98E-02 | 0.070 | 0.087 | 0.79 | 0.62 | -0.99 | 3.18E-05 | 0.099 | 0.071 | 1.45 | 1.18 | -1.77 | 1.15 | 1.67E-01 | BMP2(dist=201934), LINC01428(dist=164270) | intergenic |
| 1 | 61777218 | G | A | rs2363874 | 6.41E-02 | 0.056 | 0.072 | 0.76 | 0.59 | -0.99 | 5.02E-05 | 0.103 | 0.076 | 1.40 | 1.14 | -1.7 | 1.14 | 1.71E-01 | NFIA | intronic |
| 1 | 61776107 | T | C | rs35998452 | 6.57E-02 | 0.056 | 0.072 | 0.76 | 0.59 | -0.99 | 5.60E-05 | 0.103 | 0.076 | 1.39 | 1.14 | -1.7 | 1.14 | 1.72E-01 | NFIA | intronic |
| 2 | 235885414 | G | A | rs114426876 | 1.67E-01 | 0.026 | 0.032 | 0.79 | 0.54 | -1.16 | 4.09E-06 | 0.030 | 0.021 | 1.43 | 1 | -2.04 | 0.73 | 1.75E-01 | SH3BP4 | intronic |
| 19 | 36583661 | C | T | rs61744321 | 3.25E-02 | 0.038 | 0.056 | 0.67 | 0.49 | -0.91 | 1.01E-05 | 0.067 | 0.042 | 1.63 | 1.27 | -2.08 | 1.17 | 1.79E-01 | WDR62 | exonic |
| 1 | 69136838 | C | T | rs80252869 | 1.77E-01 | 0.020 | 0.022 | 0.91 | 0.59 | -1.4 | 1.45E-05 | 0.039 | 0.030 | 1.29 | 0.95 | -1.76 | 0.71 | 1.81E-01 | DEPDC1-AS1(dist=132528), LRRC7(dist=1089020) | intergenic |
| 4 | 3641232 | G | A | rs73196209 | 1.81E-01 | 0.037 | 0.042 | 0.88 | 0.64 | -1.21 | 2.67E-05 | 0.031 | 0.023 | 1.33 | 0.94 | -1.89 | 0.76 | 1.82E-01 | LINC00955(dist=48520), LOC100133461(dist=34088) | intergenic |
| 1 | 104480469 | G | T | rs12731458 | 2.86E-02 | 0.292 | 0.325 | 0.86 | 0.75 | -0.98 | 3.72E-05 | 0.353 | 0.299 | 1.28 | 1.13 | -1.45 | 1.07 | 1.85E-01 | AMY1A(dist=179158), LOC100129138(dist=135176) | intergenic |
| 17 | 16135136 | G | A | rs28622079 | 1.88E-01 | 0.033 | 0.022 | 1.56 | 1.08 | -2.27 | 3.06E-05 | 0.049 | 0.041 | 1.21 | 0.91 | -1.59 | 1.37</ | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|------|----------|-------|-------|------|-------------|------|----------|---|----------------|
| 3 | 28189688 | T | C | rs12629858 | 6.42E-05 | 0.475 | 0.413 | 0.78 | 0.69 | 0.88 | 1.48E-02 | 0.391 | 0.421 | 1.13 | 1 - 1.28 | 0.94 | 2.11E-01 | EOMES(dist=425482), CMC1(dist=93436) | intergenic |
| 10 | 49458749 | G | A | rs1652244 | 1.87E-05 | 0.130 | 0.078 | 0.57 | 0.46 | 0.69 | 4.57E-02 | 0.099 | 0.122 | 1.26 | 1.04 - 1.53 | 0.89 | 2.14E-01 | FRMPD2 | intronic |
| 1 | 61785546 | G | A | rs17121952 | 3.61E-02 | 0.058 | 0.076 | 0.75 | 0.58 | 0.97 | 4.93E-05 | 0.104 | 0.077 | 1.40 | 1.15 - 1.71 | 1.12 | 2.16E-01 | NFIA | intronic |
| 19 | 36609067 | G | C | rs60393405 | 3.10E-02 | 0.037 | 0.055 | 0.66 | 0.49 | 0.9 | 1.81E-05 | 0.066 | 0.042 | 1.61 | 1.26 - 2.06 | 1.15 | 2.19E-01 | TBCB | intronic |
| 20 | 61698888 | C | T | rs139907250 | 2.16E-01 | 0.037 | 0.033 | 1.15 | 0.82 | 1.6 | 2.09E-05 | 0.035 | 0.023 | 1.55 | 1.11 - 2.16 | 1.36 | 2.22E-01 | LOC63930 | ncRNA_intronic |
| 19 | 9286903 | G | A | rs145271949 | 6.41E-05 | 0.040 | 0.022 | 1.86 | 1.31 | 2.66 | 4.54E-02 | 0.024 | 0.030 | 0.81 | 0.56 - 1.17 | 1.20 | 2.22E-01 | ZNF317(dist=12812), OR7D2(dist=9367) | intergenic |
| 4 | 80005399 | C | T | rs115769267 | 8.88E-02 | 0.023 | 0.034 | 0.68 | 0.46 | 1 | 1.88E-05 | 0.039 | 0.023 | 1.72 | 1.25 - 2.37 | 1.21 | 2.23E-01 | LINC01088 | ncRNA_intronic |
| 4 | 139642078 | G | A | rs72937626 | 5.69E-05 | 0.118 | 0.084 | 1.45 | 1.19 | 1.78 | 2.24E-02 | 0.071 | 0.085 | 0.81 | 0.65 - 1.02 | 1.10 | 2.26E-01 | LINC00499(dist=296580), CCRN4L(dist=294835) | intergenic |
| 19 | 9285869 | G | A | rs114607797 | 6.40E-05 | 0.039 | 0.022 | 1.86 | 1.3 | 2.65 | 4.81E-02 | 0.025 | 0.030 | 0.81 | 0.56 - 1.18 | 1.20 | 2.28E-01 | ZNF317(dist=11778), OR7D2(dist=10401) | intergenic |
| 4 | 79989657 | T | C | rs115386999 | 8.75E-02 | 0.023 | 0.034 | 0.68 | 0.46 | 1 | 1.97E-05 | 0.039 | 0.023 | 1.72 | 1.25 - 2.37 | 1.21 | 2.29E-01 | LINC01088 | ncRNA_intronic |
| 19 | 36557609 | G | C | rs58955389 | 1.28E-02 | 0.035 | 0.053 | 0.65 | 0.47 | 0.89 | 1.10E-05 | 0.065 | 0.042 | 1.60 | 1.25 - 2.05 | 1.17 | 2.29E-01 | WDR62 | intronic |
| 19 | 9285535 | C | T | rs115681160 | 6.45E-05 | 0.039 | 0.021 | 1.85 | 1.3 | 2.65 | 4.92E-02 | 0.025 | 0.030 | 0.82 | 0.56 - 1.18 | 1.20 | 2.30E-01 | ZNF317(dist=11444), OR7D2(dist=10735) | intergenic |
| 8 | 106605870 | T | C | rs62527241 | 7.04E-06 | 0.058 | 0.091 | 0.62 | 0.48 | 0.8 | 2.18E-02 | 0.106 | 0.092 | 1.17 | 0.96 - 1.42 | 0.91 | 2.32E-01 | ZFPM2 | intronic |
| 8 | 5990511 | C | T | rs2570654 | 1.01E-02 | 0.188 | 0.233 | 0.76 | 0.65 | 0.89 | 1.55E-05 | 0.244 | 0.187 | 1.41 | 1.23 - 1.62 | 1.07 | 2.34E-01 | CSMD1(dist=1138183), LOC100287015(dist=270566) | intergenic |
| 19 | 36485438 | C | A | rs77694703 | 2.97E-02 | 0.037 | 0.054 | 0.69 | 0.5 | 0.94 | 2.49E-05 | 0.059 | 0.037 | 1.61 | 1.24 - 2.1 | 1.16 | 2.36E-01 | SDHAF1 | upstream |
| 17 | 1410882 | T | G | rs112877133 | 1.49E-05 | 0.042 | 0.021 | 2.00 | 1.41 | 2.84 | 3.27E-02 | 0.030 | 0.042 | 0.69 | 0.49 - 0.97 | 1.19 | 2.41E-01 | INPP5K | intronic |
| 8 | 5990440 | G | T | rs2552209 | 1.05E-02 | 0.188 | 0.232 | 0.76 | 0.65 | 0.89 | 3.65E-05 | 0.245 | 0.188 | 1.40 | 1.22 - 1.61 | 1.07 | 2.47E-01 | CSMD1(dist=1138112), LOC100287015(dist=270637) | intergenic |
| 4 | 3644747 | G | A | rs73196213 | 3.66E-01 | 0.038 | 0.043 | 0.88 | 0.64 | 1.21 | 4.31E-05 | 0.032 | 0.024 | 1.34 | 0.95 - 1.89 | 0.83 | 2.67E-01 | LINC00955(dist=52035), LOC100133461(dist=30573) | intergenic |
| 16 | 81798874 | G | C | rs116322606 | 2.66E-01 | 0.024 | 0.021 | 1.15 | 0.76 | 1.74 | 7.47E-06 | 0.035 | 0.025 | 1.44 | 1.04 - 2 | 1.31 | 2.81E-01 | CMIP(dist=53507), PLCG2(dist=13989) | intergenic |
| 16 | 81799707 | C | T | rs77678007 | 2.69E-01 | 0.024 | 0.021 | 1.15 | 0.76 | 1.73 | 7.92E-06 | 0.035 | 0.025 | 1.44 | 1.04 - 2 | 1.31 | 2.84E-01 | CMIP(dist=54340), PLCG2(dist=13156) | intergenic |
| 16 | 81799490 | A | G | rs138625434 | 2.69E-01 | 0.024 | 0.021 | 1.15 | 0.76 | 1.73 | 7.68E-06 | 0.035 | 0.025 | 1.44 | 1.04 - 2 | 1.31 | 2.84E-01 | CMIP(dist=54123), PLCG2(dist=13373) | intergenic |
| 8 | 127592616 | G | A | rs7812696 | 2.74E-01 | 0.085 | 0.080 | 1.07 | 0.86 | 1.34 | 2.30E-05 | 0.155 | 0.137 | 1.16 | 0.98 - 1.36 | 0.87 | 2.88E-01 | FAM84B(dist=21905), PCAT1(dist=432783) | intergenic |
| 8 | 18292986 | C | G | rs78290443 | 2.75E-01 | 0.054 | 0.051 | 1.07 | 0.81 | 1.41 | 3.76E-07 | 0.054 | 0.034 | 1.61 | 1.23 - 2.12 | 1.22 | 2.90E-01 | NAT2(dist=34263), PSD3(dist=91827) | intergenic |
| 16 | 81804459 | C | T | rs142105916 | 2.77E-01 | 0.027 | 0.025 | 1.10 | 0.75 | 1.62 | 2.67E-05 | 0.034 | 0.024 | 1.43 | 1.02 - 1.99 | 1.33 | 2.93E-01 | CMIP(dist=59092), PLCG2(dist=8404) | intergenic |
| 19 | 36491745 | G | A | rs116703004 | 2.97E-02 | 0.038 | 0.054 | 0.69 | 0.5 | 0.94 | 5.06E-05 | 0.056 | 0.036 | 1.60 | 1.23 - 2.09 | 1.14 | 2.97E-01 | SDHAF1(dist=4525), SYNE4(dist=2257) | intergenic |
| 20 | 61692474 | A | G | rs151267029 | 2.95E-01 | 0.037 | 0.034 | 1.12 | 0.8 | 1.56 | 2.10E-06 | 0.042 | 0.027 | 1.57 | 1.16 - 2.14 | 1.29 | 3.02E-01 | LOC63930 | ncRNA_intronic |
| 8 | 141522710 | C | G | rs74333573 | 2.91E-01 | 0.037 | 0.045 | 0.83 | 0.6 | 1.14 | 1.99E-05 | 0.046 | 0.032 | 1.47 | 1.1 - 1.97 | 0.82 | 3.05E-01 | CHRAC1 | intronic |
| 19 | 7270149 | C | T | rs34380919 | 2.91E-01 | 0.072 | 0.064 | 1.13 | 0.88 | 1.44 | 8.03E-06 | 0.072 | 0.059 | 1.23 | 0.98 - 1.55 | 1.16 | 3.06E-01 | INSR | intronic |
| 16 | 81803866 | C | A | rs115241505 | 2.91E-01 | 0.026 | 0.024 | 1.10 | 0.74 | 1.63 | 2.32E-05 | 0.034 | 0.024 | 1.43 | 1.02 - 2 | 1.32 | 3.07E-01 | CMIP(dist=58499), PLCG2(dist=8997) | intergenic |
| 1 | 242330417 | T | A | rs199764889;rs12564355 | 2.36E-05 | 0.212 | 0.172 | 1.30 | 1.11 | 1.51 | 4.66E-03 | 0.150 | 0.173 | 0.84 | 0.72 - 0.99 | 1.07 | 3.11E-01 | PLD5 | intronic |
| 4 | 3638684 | C | T | rs73196205 | 3.20E-01 | 0.035 | 0.039 | 0.89 | 0.64 | 1.24 | 1.91E-05 | 0.030 | 0.023 | 1.34 | 0.95 - 1.91 | 0.84 | 3.22E-01 | LINC00955(dist=45972), LOC100133461(dist=36636) | intergenic |
| 4 | 3638838 | G | A | rs73196207 | 3.23E-01 | 0.031 | 0.034 | 0.90 | 0.64 | 1.29 | 9.94E-07 | 0.029 | 0.021 | 1.37 | 0.96 - 1.97 | 0.82 | 3.25E-01 | LINC00955(dist=46126), LOC100133461(dist=36482) | intergenic |
| 4 | 139639680 | A | G | rs113945828 | 5.80E-05 | 0.123 | 0.089 | 1.44 | 1.18 | 1.75 | 1.21E-02 | 0.076 | 0.093 | 0.80 | 0.64 - 1 | 1.08 | 3.25E-01 | LINC00499(dist=294182), CCRN4L(dist=297233) | intergenic |
| 19 | 36507767 | C | G | rs114026056 | 1.10E-02 | 0.030 | 0.047 | 0.62 | 0.44 | 0.87 | 2.72E-05 | 0.053 | 0.032 | 1.69 | 1.28 - 2.22 | 1.14 | 3.34E-01 | LOC101927572(NM_001290056:c.-48C>G) | UTR5 |
| 8 | 2024403 | A | G | rs116613141 | 9.47E-03 | 0.046 | 0.066 | 0.69 | 0.52 | 0.91 | 4.33E-05 | 0.070 | 0.044 | 1.62 | 1.28 - 2.07 | 1.11 | 3.42E-01 | MYOM2 | intronic |
| 10 | 101682300 | A | G | rs7077577 | 2.52E-05 | 0.341 | 0.397 | 0.79 | 0.69 | 0.9 | 3.20E-02 | 0.419 | 0.391 | 1.12 | 1 - 1.26 | 0.95 | 3.43E-01 | DNMBP | intronic |
| 9 | 117585897 | G | C | rs56211063 | 3.36E-01 | 0.052 | 0.048 | 1.08 | 0.81 | 1.43 | 4.45E-05 | 0.059 | 0.041 | 1.45 | 1.12 - 1.88 | 1.16 | 3.46E-01 | TNFSF15(dist=17489), TNFSF8(dist=69726) | intergenic |
| 1 | 99728334 | G | A | rs79754822 | 3.46E-01 | 0.029 | 0.029 | 1.00 | 0.69 | 1.44 | 3.18E-08 | 0.070 | 0.056 | 1.28 | 1.01 - 1.61 | 0.79 | 3.50E-01 | LOC100129620(dist=113926), LPPR4(dist=1514) | intergenic |
| 10 | 61993554 | T | A | rs7903787 | 4.66E-05 | 0.367 | 0.437 | 0.75 | 0.66 | 0.85 | 3.42E-02 | 0.433 | 0.400 | 1.15 | 1.02 - 1.29 | 0.96 | 3.59E-01 | ANK3 | intronic |
| 16 | 81796597 | G | C | rs148784601 | 3.47E-01 | 0.026 | 0.023 | 1.10 | 0.74 | 1.64 | 5.18E-06 | 0.037 | 0.026 | 1.43 | 1.04 - 1.97 | 1.25 | 3.62E-01 | CMIP(dist=51230), PLCG2(dist=16266) | intergenic |
| 17 | 6320905 | G | A | rs77391179 | 3.64E-01 | 0.036 | 0.034 | 1.06 | 0.76 | 1.48 | 6.29E-05 | 0.038 | 0.024 | 1.60 | 1.16 - 2.2 | 1.24 | 3.66E-01 | WSCD1(dist=293158), AIPL1(dist=6152) | intergenic |
| 10 | 101675129 | A | G | rs10883422;rs35813317 | 4.95E-05 | 0.390 | 0.447 | 0.79 | 0.7 | 0.9 | 3.75E-02 | 0.459 | 0.430 | 1.12 | 1 - 1.26 | 0.96 | 3.67E-01 | DNMBP | intronic |
| 16 | 81798597 | G | T | rs149847160 | 3.54E-01 | 0.026 | 0.023 | 1.10 | 0.74 | 1.63 | 5.07E-06 | 0.037 | 0.026 | 1.43 | 1.04 - 1.97 | 1.25 | 3.69E-01 | CMIP(dist=53230), PLCG2(dist=14266) | intergenic |
| 8 | 127597970 | C | T | rs1009784 | 3.59E-01 | 0.076 | 0.070 | 1.08 | 0.86 | 1.37 | 3.02E-05 | 0.150 | 0.133 | 1.16 | 0.98 - 1.37 | 0.89 | 3.73E-01 | FAM84B(dist=27259), PCAT1(dist=427429) | intergenic |
| 4 | 139636996 | G | A | rs7687772 | 5.26E-05 | 0.114 | 0.084 | 1.39 | 1.13 | 1.71 | 2.04E-02 | 0.083 | 0.098 | 0.83 | 0.68 - 1.03 | 1.07 | 3.74E-01 | LINC00499(dist=291498), CCRN4L(dist=299917) | intergenic |
| 8 | 127600571 | G | A | rs1010086 | 3.65E-01 | 0.076 | 0.071 | 1.08 | 0.85 | 1.37 | 2.76E-05 | 0.152 | 0.134 | 1.16 | 0.98 - 1.37 | 0.89 | 3.80E-01 | FAM84B(dist=29860), PCAT1(dist=424828) | intergenic |
| 13 | 24750520 | G | T | rs74041909 | 3.71E-01 | 0.022 | 0.027 | 0.83 | 0.55 | 1.24 | 1.59E-05 | 0.037 | 0.024 | 1.60 | 1.15 - 2.21 | 0.78 | 3.82E-01 | SPATA13 | intronic |
| 6 | 166915041 | C | T | rs16899021 | 3.74E-01 | 0.043 | 0.050 | 0.84 | 0.62 | 1.14 | 2.74E-05 | 0.059 | 0.040 | 1.50 | 1.16 - 1.94 | 0.87 | 3.82E-01 | RPS6KA2 | intronic |
| 6 | 166915505 | G | A | rs115816393 | 3.79E-01 | 0.043 | 0.050 | 0.84 | 0.63 | 1.14 | 2.78E-05 | 0.059 | 0.040 | 1.50 | 1.16 - 1.94 | 0.87 | 3.87E-01 | RPS6KA2 | intronic |
| 4 | 139634263 | T | C | rs59460371 | 5.72E-05 | 0.133 | 0.099 | 1.39 | 1.15 | 1.69 | 8.80E-03 | 0.085 | 0.103 | 0.81 | 0.66 - 1 | 1.07 | 3.88E-01 | LINC00499(dist=288765), CCRN4L(dist=302650) | intergenic |
| 7 | 120481 | G | A | rs114059049 | 3.96E-01 | 0.024 | 0.022 | 1.08 | 0.72 | 1.63 | 1.25E-07 | 0.034 | 0.020 | 1.69 | 1.2 - 2.39 | 1.28 | 4.01E-01 | NONE(dist=NONE), LOC100507642(dist=29237) | intergenic |
| 8 | 127594578 | A | G | rs10956311 | 3.90E-01 | 0.076 | 0.070 | 1.09 | 0.86 | 1.38 | 1.56E-05 | 0.153 | 0.134 | 1.16 | 0.99 - 1.37 | 0.90 | 4.05E-01 | FAM84B(dist=23867), PCAT1(dist=430821) | intergenic |
| 8 | 127594509 | T | A | rs11775423 | 3.91E-01 | 0.076 | 0.070 | 1.09 | 0.86 | 1.38 | 1.57E-05 | 0.153 | 0.134 | 1.16 | 0.99 - 1.37 | 0.90 | 4.06E-01 | FAM84B(dist=23798), PCAT1(dist=430890) | intergenic |
| 6 | 162296229 | G | A | rs189195102 | 4.02E-01 | 0.121 | 0.135 | 0.88 | 0.73 | 1.06 | 1.97E-05 | 0.124 | 0.096 | 1.32 | 1.1 - 1.59 | 0.92 | 4.10E-01 | PARK2 | intronic |
| 7 | 129546400 | A | T | rs13242512 | 4.25E-01 | 0.024 | 0.020 | 1.20 | 0.79 | 1.83 | 6.23E-05 | 0.038 | 0.028 | 1.35 | 0.99 - 1.86 | 1.26 | 4.30E-01 | UBE2H | intronic |
| 7 | 8788531 | T | C | rs7806959 | 4.31E-01 | 0.283 | 0.279 | 0.98 | 0.85 | 1.12 | 4.68E-05 | 0.269 | 0.320 | 1.28 | 1.12 - 1.46 | 1.08 | 4.37E-01 | INXPH1 | intronic |
| 11 | 8446529 | C | T | rs144068980 | 4.35E-01 | 0.039 | 0.041 | 0.95 | 0.69 | 1.31 | 2.15E-05 | 0.034 | 0.026 | 1.33 | 0.95 - 1.85 | 0.84 | 4.40E-01 | STK33 | intronic |
| 7 | 120808 | C | T | rs138892364 | 4.37E-01 | | | | | | | | | | | | | | |

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|----|-----------|---|-----------------------|-------------------------|----------|-------|-------|------|-------|----------|----------|-------|-------|------|-------|-------|----------|----------|---|----------------|
| 8 | 28310250 | G | A | rs137863210 | 4.56E-01 | 0.048 | 0.054 | 0.89 | 0.67 | -1.18 | 1.42E-05 | 0.052 | 0.036 | 1.45 | 1.1 | -1.9 | 0.88 | 4.70E-01 | FBXO16 | intronic |
| 13 | 112873766 | G | T | rs34062441 | 4.73E-01 | 0.025 | 0.026 | 0.97 | 0.66 | -1.44 | 2.77E-06 | 0.057 | 0.046 | 1.24 | 0.96 | -1.6 | 0.85 | 4.82E-01 | LINC01070(dist=18450), LOC101928730(dist=37274) | intergenic |
| 17 | 19619053 | C | G | rs12450979 | 4.91E-01 | 0.031 | 0.024 | 1.29 | 0.89 | -1.87 | 9.50E-06 | 0.044 | 0.034 | 1.34 | 1 | -1.79 | 1.19 | 4.93E-01 | SLC47A2 | intronic |
| 4 | 80065213 | G | A | rs115571695 | 1.65E-02 | 0.033 | 0.049 | 0.67 | 0.48 | -0.93 | 1.82E-05 | 0.052 | 0.033 | 1.59 | 1.21 | -2.1 | 1.10 | 4.97E-01 | LINC01088 | ncRNA_intronic |
| 7 | 5411296 | C | A | rs6974647 | 4.98E-01 | 0.434 | 0.423 | 1.04 | 0.92 | -1.18 | 4.01E-05 | 0.391 | 0.425 | 0.87 | 0.77 | -0.98 | 1.06 | 5.03E-01 | TNRC18 | intronic |
| 19 | 27747790 | G | A | rs148468683 | 4.97E-01 | 0.019 | 0.022 | 0.88 | 0.56 | -1.37 | 4.33E-05 | 0.033 | 0.022 | 1.52 | 1.08 | -2.14 | 0.82 | 5.10E-01 | NONE(dist=NONE), LINC00662(dist=533611) | intergenic |
| 13 | 105478259 | T | C | rs1855661 | 5.05E-01 | 0.068 | 0.054 | 1.29 | 1 | -1.67 | 6.06E-05 | 0.094 | 0.083 | 1.14 | 0.93 | -1.4 | 1.11 | 5.14E-01 | LINC01309(dist=1398224), DAOA-AS1(dist=633147) | intergenic |
| 4 | 80053527 | G | A | rs2903618 | 1.48E-02 | 0.034 | 0.050 | 0.67 | 0.48 | -0.92 | 1.78E-05 | 0.052 | 0.033 | 1.59 | 1.21 | -2.1 | 1.09 | 5.19E-01 | LINC01088 | ncRNA_intronic |
| 13 | 105481300 | G | A | rs4772641 | 5.11E-01 | 0.071 | 0.055 | 1.31 | 1.02 | -1.68 | 3.75E-05 | 0.092 | 0.080 | 1.17 | 0.96 | -1.44 | 1.10 | 5.20E-01 | LINC01309(dist=1401265), DAOA-AS1(dist=630106) | intergenic |
| 11 | 120653095 | C | T | rs4936550 | 5.18E-01 | 0.102 | 0.098 | 1.04 | 0.85 | -1.28 | 5.39E-05 | 0.154 | 0.139 | 1.13 | 0.96 | -1.33 | 0.93 | 5.22E-01 | GRIK4 | intronic |
| 4 | 146837176 | C | T | rs10027696 | 5.21E-01 | 0.103 | 0.097 | 1.06 | 0.86 | -1.3 | 6.14E-05 | 0.131 | 0.112 | 1.20 | 1 | -1.43 | 1.08 | 5.22E-01 | ZNF827 | intronic |
| 20 | 60151886 | A | G | rs2253331 | 5.23E-01 | 0.094 | 0.097 | 0.96 | 0.78 | -1.19 | 5.53E-05 | 0.109 | 0.086 | 1.31 | 1.08 | -1.59 | 0.92 | 5.28E-01 | CDH4 | intronic |
| 15 | 70358260 | C | T | rs117133850 | 5.54E-01 | 0.025 | 0.020 | 1.25 | 0.83 | -1.88 | 7.82E-06 | 0.040 | 0.029 | 1.36 | 1 | -1.85 | 1.21 | 5.48E-01 | TLE3 | intronic |
| 10 | 68648096 | C | T | rs12762007 | 4.01E-05 | 0.044 | 0.023 | 1.98 | 1.41 | -2.79 | 2.75E-02 | 0.032 | 0.045 | 0.71 | 0.51 | -0.98 | 1.10 | 5.51E-01 | CTNNA3 | intronic |
| 9 | 25027765 | T | G | rs77050583 | 5.50E-01 | 0.046 | 0.046 | 0.99 | 0.73 | -1.33 | 7.38E-06 | 0.050 | 0.033 | 1.56 | 1.18 | -2.06 | 1.11 | 5.59E-01 | IZUMO3(dist=482091), TUSC1(dist=648622) | intergenic |
| 6 | 258786 | C | A | rs12208661 | 5.58E-01 | 0.126 | 0.134 | 0.93 | 0.78 | -1.12 | 5.36E-05 | 0.097 | 0.122 | 0.77 | 0.64 | -0.94 | 0.93 | 5.65E-01 | LOC285766(dist=53302), DUSP22(dist=33271) | intergenic |
| 9 | 25033271 | C | A | rs116463325 | 5.71E-01 | 0.041 | 0.041 | 0.98 | 0.72 | -1.34 | 6.72E-07 | 0.046 | 0.028 | 1.64 | 1.22 | -2.2 | 1.11 | 5.79E-01 | IZUMO3(dist=487597), TUSC1(dist=643116) | intergenic |
| 21 | 17735505 | C | A | rs9980224;rs386816572 | 5.84E-01 | 0.474 | 0.491 | 0.93 | 0.82 | -1.06 | 4.95E-05 | 0.427 | 0.456 | 0.89 | 0.79 | -1 | 0.96 | 5.96E-01 | MIR99AHG | ncRNA_intronic |
| 17 | 13335071 | A | G | rs62056972 | 5.95E-01 | 0.048 | 0.047 | 1.03 | 0.77 | -1.38 | 5.53E-05 | 0.072 | 0.059 | 1.25 | 0.99 | -1.57 | 0.92 | 5.97E-01 | ELAC2(dist=413690), HS3ST3A1(dist=62278) | intergenic |
| 7 | 1286192 | G | C | rs13230509 | 5.96E-01 | 0.264 | 0.244 | 1.12 | 0.97 | -1.28 | 6.16E-05 | 0.264 | 0.317 | 0.77 | 0.68 | -0.88 | 1.05 | 6.00E-01 | UNCX(dist=9579), MICALL2(dist=187803) | intergenic |
| 2 | 132501699 | T | C | rs111410685 | 6.02E-01 | 0.067 | 0.058 | 1.17 | 0.91 | -1.5 | 3.03E-05 | 0.065 | 0.059 | 1.11 | 0.88 | -1.42 | 1.10 | 6.09E-01 | C2orf27A | intronic |
| 13 | 105478806 | C | G | rs7490934 | 6.10E-01 | 0.066 | 0.053 | 1.27 | 0.98 | -1.65 | 5.08E-05 | 0.096 | 0.084 | 1.16 | 0.95 | -1.42 | 1.07 | 6.18E-01 | LINC01309(dist=1398771), DAOA-AS1(dist=632600) | intergenic |
| 18 | 5323289 | G | A | rs1940954 | 6.24E-01 | 0.222 | 0.199 | 1.15 | 0.99 | -1.34 | 4.48E-05 | 0.210 | 0.264 | 0.74 | 0.64 | -0.85 | 1.04 | 6.25E-01 | ZBTB14(dist=26237), EPB41L3(dist=69091) | intergenic |
| 12 | 117558971 | G | C | rs2133679 | 6.07E-06 | 0.109 | 0.076 | 1.49 | 1.21 | -1.84 | 6.44E-01 | 0.094 | 0.100 | 0.94 | 0.77 | -1.15 | 1.06 | 6.46E-01 | TESC-AS1 | ncRNA_intronic |
| 18 | 6953164 | T | C | rs12956512 | 6.73E-01 | 0.156 | 0.167 | 0.92 | 0.78 | -1.09 | 2.24E-05 | 0.154 | 0.123 | 1.29 | 1.1 | -1.52 | 0.95 | 6.73E-01 | LAMA1 | intronic |
| 9 | 25029042 | A | G | rs17782547 | 6.72E-01 | 0.063 | 0.061 | 1.04 | 0.8 | -1.34 | 5.21E-05 | 0.096 | 0.076 | 1.28 | 1.05 | -1.57 | 1.07 | 6.78E-01 | IZUMO3(dist=483368), TUSC1(dist=647345) | intergenic |
| 9 | 25032235 | A | G | rs114168217 | 6.73E-01 | 0.042 | 0.044 | 0.96 | 0.71 | -1.31 | 7.75E-07 | 0.047 | 0.029 | 1.64 | 1.23 | -2.19 | 1.08 | 6.79E-01 | IZUMO3(dist=486561), TUSC1(dist=644152) | intergenic |
| 17 | 78256045 | A | rs10871506;rs71354808 | 7.45E-01 | 0.333 | 0.320 | 1.06 | 0.93 | -1.21 | 1.38E-05 | 0.383 | 0.346 | 1.17 | 1.04 | -1.32 | 1.02 | 7.46E-01 | RNF213 | intronic | |
| 3 | 192654192 | T | C | rs113381449 | 7.48E-01 | 0.048 | 0.048 | 0.98 | 0.74 | -1.31 | 2.53E-05 | 0.036 | 0.025 | 1.47 | 1.07 | -2.04 | 1.05 | 7.47E-01 | MB21D2(dist=18242), HRASLS(dist=304725) | intergenic |
| 18 | 5321164 | G | T | rs74402879 | 7.59E-01 | 0.143 | 0.143 | 1.00 | 0.83 | -1.19 | 1.62E-05 | 0.133 | 0.108 | 1.27 | 1.06 | -1.51 | 1.03 | 7.59E-01 | ZBTB14(dist=24112), EPB41L3(dist=71216) | intergenic |
| 9 | 117605524 | G | A | rs140546987 | 7.57E-01 | 0.033 | 0.034 | 0.98 | 0.69 | -1.38 | 5.27E-08 | 0.038 | 0.024 | 1.59 | 1.15 | -2.19 | 1.06 | 7.62E-01 | TNFSF15(dist=37116), TNFSF8(dist=50099) | intergenic |
| 12 | 6166817 | C | T | rs183748305 | 7.60E-01 | 0.043 | 0.043 | 1.00 | 0.74 | -1.36 | 3.23E-05 | 0.045 | 0.029 | 1.56 | 1.16 | -2.1 | 1.05 | 7.65E-01 | VVVF | intronic |
| 4 | 14686582 | T | G | rs10020037 | 7.90E-01 | 0.081 | 0.079 | 1.03 | 0.82 | -1.29 | 5.17E-05 | 0.110 | 0.092 | 1.23 | 1.02 | -1.48 | 1.04 | 7.90E-01 | ZNF827(dist=5975), LINC01095(dist=165025) | intergenic |
| 17 | 78414330 | C | T | rs72852674 | 8.23E-01 | 0.024 | 0.023 | 1.01 | 0.67 | -1.52 | 8.55E-06 | 0.063 | 0.048 | 1.33 | 1.04 | -1.7 | 0.95 | 8.24E-01 | ENDOV(dist=2446), NPTX1(dist=26303) | intergenic |
| 15 | 77796228 | G | A | rs193064645 | 8.38E-01 | 0.029 | 0.031 | 0.95 | 0.66 | -1.37 | 2.82E-06 | 0.038 | 0.026 | 1.51 | 1.1 | -2.07 | 0.95 | 8.36E-01 | HMG20A(dist=18282), LINGO1(dist=109138) | intergenic |
| 12 | 6169494 | C | T | rs114046011 | 8.33E-01 | 0.042 | 0.042 | 0.99 | 0.73 | -1.34 | 3.68E-05 | 0.045 | 0.029 | 1.56 | 1.16 | -2.1 | 1.04 | 8.36E-01 | VVVF | intronic |
| 12 | 6166008 | A | T | rs71582861 | 8.47E-01 | 0.061 | 0.063 | 0.96 | 0.74 | -1.24 | 4.96E-05 | 0.061 | 0.042 | 1.47 | 1.14 | -1.89 | 1.03 | 8.50E-01 | VVVF | intronic |
| 20 | 31448648 | A | G | rs6141832 | 8.71E-01 | 0.023 | 0.021 | 1.10 | 0.72 | -1.67 | 4.07E-05 | 0.032 | 0.024 | 1.38 | 0.98 | -1.94 | 0.95 | 8.72E-01 | MAPRE1(dist=10437), SUN5(dist=122933) | intergenic |
| 12 | 6166174 | G | A | rs35302737 | 8.89E-01 | 0.061 | 0.064 | 0.95 | 0.74 | -1.23 | 4.89E-05 | 0.061 | 0.042 | 1.47 | 1.14 | -1.89 | 1.02 | 8.91E-01 | VVVF | exonic |
| 9 | 28561597 | A | G | rs577864267;rs150260809 | 8.90E-01 | 0.032 | 0.033 | 1.00 | 0.7 | -1.41 | 1.44E-05 | 0.044 | 0.029 | 1.54 | 1.14 | -2.07 | 1.03 | 8.92E-01 | LINGO2 | intronic |
| 18 | 71891196 | A | C | rs9959367 | 9.03E-01 | 0.030 | 0.030 | 1.03 | 0.72 | -1.48 | 3.83E-05 | 0.043 | 0.035 | 1.23 | 0.91 | -1.65 | 0.97 | 9.03E-01 | TMM21(dist=64992), CYB5A(dist=29331) | intergenic |
| 12 | 6168738 | G | A | rs74457906 | 9.08E-01 | 0.043 | 0.044 | 0.97 | 0.72 | -1.32 | 4.24E-05 | 0.047 | 0.031 | 1.54 | 1.15 | -2.05 | 1.02 | 9.10E-01 | VVVF | intronic |
| 17 | 78408057 | C | T | rs41302844 | 9.21E-01 | 0.023 | 0.021 | 1.07 | 0.71 | -1.63 | 2.18E-06 | 0.064 | 0.048 | 1.36 | 1.06 | -1.73 | 1.02 | 9.22E-01 | ENDOV | intronic |
| 13 | 28167998 | G | C | rs150847642 | 9.23E-01 | 0.031 | 0.033 | 0.94 | 0.66 | -1.34 | 2.76E-05 | 0.034 | 0.022 | 1.53 | 1.09 | -2.14 | 1.02 | 9.25E-01 | LNK2 | intronic |
| 17 | 78408213 | C | G | rs4494603 | 9.30E-01 | 0.023 | 0.021 | 1.07 | 0.7 | -1.63 | 2.22E-06 | 0.064 | 0.048 | 1.36 | 1.06 | -1.73 | 1.02 | 9.30E-01 | ENDOV | intronic |
| 19 | 10068797 | G | A | rs117391353 | 9.46E-01 | 0.044 | 0.044 | 0.99 | 0.73 | -1.34 | 3.32E-05 | 0.053 | 0.044 | 1.21 | 0.92 | -1.57 | 1.01 | 9.47E-01 | OLFM2(dist=21569), COL5A3(dist=1440) | intergenic |
| 1 | 21754488 | G | A | rs72476502 | 9.51E-01 | 0.052 | 0.047 | 1.11 | 0.84 | -1.48 | 3.85E-05 | 0.060 | 0.050 | 1.23 | 0.96 | -1.58 | 0.99 | 9.51E-01 | ECE1(dist=82454), NBPF3(dist=12095) | intergenic |
| 17 | 78412974 | T | A | rs4564632 | 9.54E-01 | 0.029 | 0.029 | 1.02 | 0.71 | -1.48 | 5.31E-05 | 0.071 | 0.056 | 1.30 | 1.03 | -1.65 | 0.99 | 9.54E-01 | ENDOV(dist=1090), NPTX1(dist=27659) | intergenic |
| 17 | 78408725 | G | A | rs41302934 | 9.58E-01 | 0.023 | 0.021 | 1.06 | 0.7 | -1.62 | 2.45E-06 | 0.064 | 0.048 | 1.36 | 1.06 | -1.73 | 1.01 | 9.58E-01 | ENDOV | intronic |
| 2 | 8009840 | C | T | rs114622424 | 9.68E-01 | 0.038 | 0.041 | 0.92 | 0.67 | -1.27 | 3.10E-06 | 0.039 | 0.025 | 1.60 | 1.16 | -2.2 | 1.01 | 9.68E-01 | LOC100506274(dist=419459), LOC101929551(dist=17058) | intergenic |
| 1 | 8962232 | C | T | rs142077535 | 9.72E-01 | 0.038 | 0.041 | 0.91 | 0.66 | -1.26 | 3.62E-06 | 0.057 | 0.037 | 1.57 | 1.2 | -2.04 | 1.01 | 9.72E-01 | ENO1-AS1(dist=22289), CA6(dist=43661) | intergenic |
| 6 | 113909438 | G | T | rs190878388 | 9.74E-01 | 0.022 | 0.022 | 1.01 | 0.66 | -1.54 | 4.43E-05 | 0.030 | 0.020 | 1.52 | 1.07 | -2.17 | 1.01 | 9.75E-01 | RFPL4B(dist=1236940), LOC101927686(dist=35299) | intergenic |

Results for all association with p-values < 6.5x10⁻⁵ in GWAS1 and GWAS2 for CD. Suggestive SNPs at established European loci (specifically <1 Mb of the maximal reported associations) for CD are indicated in bold.

Supplementary Table 1: Suggestive SNPs at established European loci (specifically <1 Mb of the maximal reported associations) for UC are indicated in bold

| Chr | Position | A1 | A2 | SNP Name | GWAS1 (Omni2.5) | | | | GWAS2 (Axiom) | | | | Combined | | nearest_gene(s) | Annotation | | |
|-----|-----------|----|----|-------------------------|-----------------|-----------|--------------|------|---------------|----------|-----------|--------------|----------|-------------|-----------------|------------|--|----------------|
| | | | | | P_value | Case_Freq | Control_Freq | OR | OR_CI | P_Value | Case_Freq | Control_Freq | OR | OR_CI | | | OR | P-value |
| 6 | 32559063 | A | C | rs9270484 | 1.45E-07 | 0.448 | 0.356 | 0.68 | 0.58 - 0.8 | 4.41E-07 | 0.426 | 0.319 | 0.63 | 0.52 - 0.76 | 0.58 | 3.22E-12 | HLA-DRB1(dist=1450), HLA-DQA1(dist=46120) | intergenic |
| 6 | 32557435 | A | C | rs9270299 | 5.98E-08 | 0.284 | 0.207 | 0.66 | 0.55 - 0.79 | 1.06E-05 | 0.281 | 0.209 | 0.68 | 0.55 - 0.83 | 0.52 | 2.65E-11 | HLA-DRB1 | exonic |
| 6 | 32552617 | G | A | rs28724138 | 4.62E-07 | 0.412 | 0.487 | 0.74 | 0.62 - 0.87 | 2.75E-06 | 0.572 | 0.482 | 0.70 | 0.58 - 0.84 | 0.57 | 4.70E-11 | HLA-DRB1 | intronic |
| 6 | 32588416 | A | T | rs9271453 | 9.36E-07 | 0.389 | 0.296 | 0.66 | 0.56 - 0.78 | 1.94E-06 | 0.391 | 0.288 | 0.63 | 0.52 - 0.76 | 0.62 | 6.72E-11 | HLA-DRB1(dist=30803), HLA-DQA1(dist=16767) | intergenic |
| 6 | 32586908 | G | A | rs9271367;rs386699490 | 6.49E-07 | 0.350 | 0.256 | 0.64 | 0.54 - 0.76 | 3.07E-06 | 0.367 | 0.269 | 0.63 | 0.52 - 0.77 | 0.62 | 7.24E-11 | HLA-DRB1(dist=29295), HLA-DQA1(dist=18425) | intergenic |
| 6 | 32586732 | G | C | rs386699488;rs9271363 | 3.53E-09 | 0.282 | 0.184 | 0.57 | 0.48 - 0.69 | 5.20E-04 | 0.256 | 0.189 | 0.67 | 0.54 - 0.84 | 0.58 | 1.29E-10 | HLA-DRB1(dist=29119), HLA-DQA1(dist=18451) | intergenic |
| 6 | 32587832 | A | G | rs9271418 | 1.98E-06 | 0.366 | 0.275 | 0.66 | 0.55 - 0.78 | 1.82E-06 | 0.386 | 0.283 | 0.63 | 0.52 - 0.76 | 0.62 | 1.32E-10 | HLA-DRB1(dist=30219), HLA-DQA1(dist=17351) | intergenic |
| 6 | 32590498 | T | G | rs2105898 | 1.24E-08 | 0.299 | 0.202 | 0.59 | 0.49 - 0.71 | 3.12E-04 | 0.278 | 0.205 | 0.67 | 0.54 - 0.83 | 0.60 | 2.00E-10 | HLA-DRB1(dist=32885), HLA-DQA1(dist=14685) | intergenic |
| 6 | 32576963 | G | A | rs202070262;rs9271133 | 6.42E-06 | 0.433 | 0.352 | 0.71 | 0.6 - 0.84 | 8.11E-07 | 0.405 | 0.304 | 0.64 | 0.53 - 0.78 | 0.61 | 2.09E-10 | HLA-DRB1(dist=19350), HLA-DQA1(dist=28220) | intergenic |
| 6 | 32486973 | A | G | rs116448083;rs200881163 | 1.58E-07 | 0.212 | 0.295 | 0.64 | 0.53 - 0.78 | 4.28E-05 | 0.223 | 0.300 | 0.67 | 0.54 - 0.84 | 0.58 | 2.19E-10 | HLA-DRB5 | intronic |
| 6 | 32480536 | A | C | rs76389874 | 2.76E-08 | 0.384 | 0.476 | 0.69 | 0.58 - 0.81 | 2.07E-04 | 0.529 | 0.451 | 0.73 | 0.61 - 0.88 | 0.60 | 2.68E-10 | HLA-DRA(dist=67710), HLA-DRB5(dist=4618) | intergenic |
| 6 | 32589523 | C | G | rs9271513 | 1.46E-08 | 0.299 | 0.202 | 0.60 | 0.5 - 0.71 | 3.71E-04 | 0.276 | 0.204 | 0.67 | 0.54 - 0.83 | 0.60 | 2.77E-10 | HLA-DRB1(dist=31910), HLA-DQA1(dist=15660) | intergenic |
| 6 | 32627833 | A | G | rs1770 | 1.23E-06 | 0.235 | 0.330 | 0.62 | 0.52 - 0.75 | 9.85E-06 | 0.224 | 0.323 | 0.64 | 0.49 - 0.76 | 0.64 | 3.64E-10 | HLA-DQB1 | UTR3 |
| 6 | 32537900 | A | G | rs115351077 | 1.20E-05 | 0.373 | 0.444 | 0.75 | 0.63 - 0.88 | 9.97E-07 | 0.388 | 0.482 | 0.68 | 0.56 - 0.82 | 0.59 | 4.22E-10 | HLA-DRB6(dist=10121), HLA-DRB1(dist=8647) | intergenic |
| 6 | 32629889 | G | A | rs1049087;rs386699585 | 3.68E-07 | 0.246 | 0.344 | 0.62 | 0.52 - 0.75 | 3.98E-05 | 0.236 | 0.329 | 0.63 | 0.51 - 0.79 | 0.64 | 4.31E-10 | HLA-DQB1 | exonic |
| 6 | 32485784 | G | C | rs189231639 | 4.08E-08 | 0.396 | 0.314 | 0.70 | 0.59 - 0.83 | 2.68E-04 | 0.330 | 0.263 | 0.72 | 0.59 - 0.88 | 0.57 | 5.54E-10 | HLA-DRB5 | intronic |
| 6 | 32556439 | C | T | rs28724204 | 3.23E-06 | 0.193 | 0.251 | 0.72 | 0.59 - 0.88 | 7.46E-06 | 0.225 | 0.310 | 0.65 | 0.52 - 0.81 | 0.55 | 6.61E-10 | HLA-DRB1 | intronic |
| 6 | 32537608 | T | C | rs111437237 | 1.82E-05 | 0.294 | 0.352 | 0.77 | 0.64 - 0.92 | 1.57E-06 | 0.299 | 0.398 | 0.65 | 0.53 - 0.79 | 0.59 | 7.85E-10 | HLA-DRB6(dist=9829), HLA-DRB1(dist=8939) | intergenic |
| 6 | 32455381 | G | C | rs79463993 | 1.46E-06 | 0.345 | 0.425 | 0.71 | 0.6 - 0.84 | 2.17E-05 | 0.322 | 0.405 | 0.70 | 0.57 - 0.85 | 0.60 | 8.64E-10 | HLA-DRA(dist=42555), HLA-DRB5(dist=29773) | intergenic |
| 6 | 32628030 | G | A | rs9273471 | 2.55E-06 | 0.248 | 0.341 | 0.64 | 0.53 - 0.77 | 1.25E-05 | 0.232 | 0.331 | 0.61 | 0.49 - 0.76 | 0.65 | 8.75E-10 | HLA-DQB1 | intronic |
| 19 | 52400451 | G | A | rs78090981 | 9.65E-06 | 0.054 | 0.026 | 2.16 | 1.46 - 3.21 | 1.54E-05 | 0.051 | 0.022 | 2.42 | 1.55 - 3.78 | 3.64 | 9.93E-10 | ZNF649, ZNF649-AS1 | ncRNA_intronic |
| 19 | 52400935 | A | G | rs116142355 | 1.01E-05 | 0.053 | 0.025 | 2.17 | 1.46 - 3.22 | 1.47E-05 | 0.051 | 0.022 | 2.42 | 1.55 - 3.78 | 3.64 | 9.99E-10 | ZNF649, ZNF649-AS1 | ncRNA_intronic |
| 19 | 52401181 | C | T | rs149246580 | 1.01E-05 | 0.053 | 0.025 | 2.17 | 1.46 - 3.22 | 1.46E-05 | 0.051 | 0.022 | 2.42 | 1.55 - 3.78 | 3.64 | 1.00E-09 | ZNF649, ZNF649-AS1 | ncRNA_intronic |
| 19 | 52399243 | C | T | rs116148256 | 9.85E-06 | 0.055 | 0.026 | 2.15 | 1.45 - 3.18 | 1.81E-05 | 0.051 | 0.022 | 2.41 | 1.54 - 3.76 | 3.58 | 1.18E-09 | ZNF649, ZNF649-AS1 | ncRNA_intronic |
| 6 | 32458962 | C | A | rs113496047 | 2.67E-06 | 0.519 | 0.447 | 0.75 | 0.64 - 0.88 | 1.89E-05 | 0.476 | 0.393 | 0.71 | 0.59 - 0.86 | 0.60 | 1.28E-09 | HLA-DRA(dist=46136), HLA-DRB5(dist=26192) | intergenic |
| 6 | 32485051 | A | T | rs115545331 | 1.44E-05 | 0.182 | 0.242 | 0.70 | 0.57 - 0.86 | 4.37E-06 | 0.195 | 0.281 | 0.62 | 0.49 - 0.78 | 0.58 | 1.64E-09 | HLA-DRB5 | downstream |
| 6 | 32631295 | G | A | rs9274247 | 6.86E-06 | 0.222 | 0.305 | 0.65 | 0.54 - 0.79 | 9.21E-06 | 0.205 | 0.297 | 0.61 | 0.48 - 0.77 | 0.63 | 1.66E-09 | HLA-DQB1 | intronic |
| 6 | 32552816 | C | A | rs34043063 | 1.45E-06 | 0.184 | 0.250 | 0.68 | 0.55 - 0.83 | 5.36E-05 | 0.176 | 0.252 | 0.64 | 0.5 - 0.81 | 0.57 | 1.91E-09 | HLA-DRB1 | intronic |
| 6 | 32627852 | G | A | rs1130420 | 4.94E-06 | 0.228 | 0.316 | 0.64 | 0.53 - 0.78 | 1.50E-05 | 0.212 | 0.305 | 0.61 | 0.49 - 0.77 | 0.64 | 1.91E-09 | HLA-DQB1 | UTR3 |
| 6 | 32627850 | T | C | rs3210176 | 6.37E-06 | 0.222 | 0.308 | 0.64 | 0.53 - 0.77 | 1.29E-05 | 0.203 | 0.295 | 0.61 | 0.48 - 0.77 | 0.64 | 2.15E-09 | HLA-DQB1 | UTR3 |
| 6 | 32550322 | A | C | rs9269853 | 2.19E-05 | 0.305 | 0.241 | 0.72 | 0.6 - 0.86 | 3.88E-06 | 0.312 | 0.228 | 0.65 | 0.53 - 0.79 | 0.59 | 2.21E-09 | HLA-DRB1 | intronic |
| 6 | 32550331 | T | G | rs9269854 | 2.20E-05 | 0.305 | 0.241 | 0.72 | 0.6 - 0.86 | 3.89E-06 | 0.312 | 0.228 | 0.65 | 0.53 - 0.79 | 0.59 | 2.22E-09 | HLA-DRB1 | intronic |
| 19 | 52391280 | T | C | rs75075099 | 1.68E-05 | 0.054 | 0.026 | 2.13 | 1.44 - 3.15 | 2.70E-05 | 0.051 | 0.022 | 2.37 | 1.52 - 3.69 | 3.41 | 2.98E-09 | ZNF649, ZNF649-AS1 | Downstream |
| 6 | 32458822 | A | T | rs111779713 | 2.07E-06 | 0.366 | 0.443 | 0.72 | 0.61 - 0.86 | 6.38E-05 | 0.425 | 0.501 | 0.74 | 0.61 - 0.89 | 0.61 | 3.07E-09 | HLA-DRA(dist=45996), HLA-DRB5(dist=26332) | intergenic |
| 6 | 32541094 | C | G | rs76924329 | 8.44E-06 | 0.231 | 0.299 | 0.70 | 0.58 - 0.85 | 1.84E-05 | 0.227 | 0.311 | 0.65 | 0.52 - 0.81 | 0.60 | 3.60E-09 | HLA-DRB6(dist=13315), HLA-DRB1(dist=5453) | intergenic |
| 6 | 32480479 | A | T | rs114516102 | 1.55E-07 | 0.334 | 0.257 | 0.69 | 0.58 - 0.82 | 7.77E-04 | 0.258 | 0.200 | 0.72 | 0.58 - 0.89 | 0.58 | 4.15E-09 | HLA-DRA(dist=67653), HLA-DRB5(dist=4675) | intergenic |
| 3 | 115528296 | C | T | rs72947885 | 5.19E-08 | 0.099 | 0.054 | 1.91 | 1.43 - 2.56 | 8.07E-03 | 0.080 | 0.051 | 1.62 | 1.14 - 2.3 | 2.42 | 4.48E-09 | LSAMP(NM_002338.c.*868G>A) | UTR3 |
| 6 | 32632171 | C | T | rs9274322 | 6.33E-06 | 0.242 | 0.315 | 0.69 | 0.57 - 0.84 | 3.20E-05 | 0.311 | 0.408 | 0.66 | 0.54 - 0.8 | 0.63 | 4.60E-09 | HLA-DQB1 | intronic |
| 6 | 32632303 | G | A | rs9274337 | 6.79E-06 | 0.147 | 0.210 | 0.65 | 0.52 - 0.82 | 3.06E-05 | 0.185 | 0.267 | 0.63 | 0.49 - 0.79 | 0.60 | 4.76E-09 | HLA-DQB1 | intronic |
| 6 | 32544351 | A | T | rs9269558 | 4.25E-05 | 0.322 | 0.256 | 0.73 | 0.61 - 0.87 | 4.39E-06 | 0.318 | 0.233 | 0.65 | 0.53 - 0.8 | 0.60 | 4.79E-09 | HLA-DRB6(dist=16572), HLA-DRB1(dist=2196) | intergenic |
| 6 | 32458797 | G | T | rs111966786 | 1.96E-05 | 0.488 | 0.421 | 0.76 | 0.65 - 0.9 | 1.12E-05 | 0.485 | 0.402 | 0.72 | 0.59 - 0.86 | 0.61 | 5.13E-09 | HLA-DRA(dist=45971), HLA-DRB5(dist=26357) | intergenic |
| 6 | 32558724 | A | T | rs9270439 | 1.79E-04 | 0.444 | 0.380 | 0.77 | 0.65 - 0.9 | 8.30E-07 | 0.420 | 0.319 | 0.65 | 0.53 - 0.78 | 0.63 | 5.47E-09 | HLA-DRB1(dist=1111), HLA-DQA1(dist=46459) | intergenic |
| 6 | 32544577 | C | T | rs9269568 | 4.30E-05 | 0.327 | 0.261 | 0.72 | 0.61 - 0.86 | 5.73E-06 | 0.323 | 0.238 | 0.65 | 0.54 - 0.8 | 0.61 | 6.10E-09 | HLA-DRB6(dist=16798), HLA-DRB1(dist=1970) | intergenic |
| 6 | 32524150 | G | C | rs146662207 | 2.78E-06 | 0.223 | 0.291 | 0.70 | 0.57 - 0.84 | 1.10E-04 | 0.260 | 0.328 | 0.72 | 0.58 - 0.89 | 0.59 | 6.53E-09 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32544561 | G | A | rs9269566 | 4.77E-05 | 0.321 | 0.256 | 0.73 | 0.61 - 0.87 | 6.07E-06 | 0.319 | 0.235 | 0.66 | 0.54 - 0.8 | 0.61 | 6.98E-09 | HLA-DRB6(dist=16782), HLA-DRB1(dist=1986) | intergenic |
| 6 | 32540371 | T | A | rs9269341 | 5.29E-04 | 0.407 | 0.347 | 0.77 | 0.66 - 0.92 | 2.54E-07 | 0.418 | 0.312 | 0.63 | 0.52 - 0.76 | 0.63 | 7.51E-09 | HLA-DRB6(dist=12592), HLA-DRB1(dist=6176) | intergenic |
| 6 | 32567356 | A | G | rs9270709 | 4.30E-05 | 0.363 | 0.292 | 0.72 | 0.61 - 0.86 | 7.97E-06 | 0.349 | 0.258 | 0.65 | 0.53 - 0.79 | 0.63 | 8.16E-09 | HLA-DRB1(dist=9743), HLA-DQA1(dist=37827) | intergenic |
| 6 | 32546866 | T | C | rs9269693 | 1.46E-05 | 0.305 | 0.238 | 0.71 | 0.59 - 0.85 | 2.83E-05 | 0.284 | 0.213 | 0.68 | 0.55 - 0.84 | 0.60 | 8.73E-09 | HLA-DRB1 | UTR3 |
| 6 | 32632457 | C | T | rs9274357 | 6.38E-07 | 0.135 | 0.204 | 0.61 | 0.48 - 0.77 | 3.84E-04 | 0.186 | 0.255 | 0.67 | 0.52 - 0.84 | 0.60 | 8.79E-09 | HLA-DQB1 | intronic |
| 6 | 32539012 | T | C | rs66859861 | 2.14E-05 | 0.283 | 0.223 | 0.73 | 0.61 - 0.88 | 2.03E-05 | 0.281 | 0.205 | 0.66 | 0.53 - 0.81 | 0.58 | 8.80E-09 | HLA-DRB6(dist=11233), HLA-DRB1(dist=7535) | intergenic |
| 6 | 32546743 | C | T | rs1064707 | 1.30E-05 | 0.305 | 0.237 | 0.71 | 0.59 - 0.85 | 3.43E-05 | 0.283 | 0.213 | 0.69 | 0.56 - 0.85 | 0.60 | 9.29E-09 | HLA-DRB1 | UTR3 |
| 6 | 32495781 | A | T | rs183233576 | 8.20E-08 | 0.389 | 0.310 | 0.71 | 0.6 - 0.83 | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32503128 | G | A | rs112652539 | 1.34E-04 | 0.368 | 0.307 | 0.76 | 0.64 | -0.9 | 4.12E-06 | 0.344 | 0.257 | 0.66 | 0.54 | -0.81 | 0.61 | 1.37E-08 | HLA-DRB5(dist=5122), HLA-DRB6(dist=17362) | intergenic |
| 6 | 32484777 | T | C | rs75983593 | 1.72E-07 | 0.382 | 0.462 | 0.72 | 0.61 | -0.85 | 1.97E-03 | 0.523 | 0.459 | 0.77 | 0.64 | -0.93 | 0.62 | 1.39E-08 | HLA-DRB5 | downstream |
| 6 | 32524152 | A | T | rs140125785 | 6.23E-06 | 0.210 | 0.276 | 0.70 | 0.57 | -0.85 | 1.23E-04 | 0.236 | 0.306 | 0.70 | 0.56 | -0.87 | 0.60 | 1.46E-08 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32518310 | A | G | rs66468365 | 1.79E-06 | 0.279 | 0.210 | 0.69 | 0.57 | -0.83 | 3.84E-04 | 0.240 | 0.179 | 0.69 | 0.56 | -0.86 | 0.58 | 1.48E-08 | HLA-DRB5(dist=20304), HLA-DRB6(dist=2180) | intergenic |
| 6 | 32481332 | C | T | rs112333689 | 2.20E-07 | 0.317 | 0.238 | 0.67 | 0.56 | -0.81 | 2.00E-03 | 0.227 | 0.171 | 0.70 | 0.56 | -0.88 | 0.60 | 1.50E-08 | HLA-DRA(dist=68506), HLA-DRB5(dist=3822) | intergenic |
| 6 | 32455311 | T | C | rs111984068 | 2.93E-07 | 0.337 | 0.416 | 0.71 | 0.6 | -0.85 | 1.39E-03 | 0.414 | 0.482 | 0.76 | 0.63 | -0.92 | 0.63 | 1.54E-08 | HLA-DRA(dist=42485), HLA-DRB5(dist=29843) | intergenic |
| 6 | 32574202 | C | T | rs9270992 | 8.29E-05 | 0.310 | 0.239 | 0.70 | 0.59 | -0.84 | 7.41E-06 | 0.333 | 0.243 | 0.64 | 0.53 | -0.78 | 0.65 | 1.55E-08 | HLA-DRB1(dist=16589), HLA-DQA1(dist=30981) | intergenic |
| 19 | 52391404 | T | C | rs75577191 | 9.04E-05 | 0.052 | 0.028 | 1.88 | 1.27 | -2.79 | 2.72E-05 | 0.051 | 0.022 | 2.37 | 1.52 | -3.69 | 3.41 | 1.57E-08 | ZNF649, ZNF649-AS1 | ncRNA_intronic |
| 6 | 32544799 | A | G | rs9269583 | 2.11E-07 | 0.237 | 0.167 | 0.65 | 0.53 | -0.79 | 2.20E-03 | 0.187 | 0.139 | 0.70 | 0.55 | -0.9 | 0.56 | 1.60E-08 | HLA-DRB6(dist=17020), HLA-DRB1(dist=1748) | intergenic |
| 6 | 32507047 | T | C | rs76493232 | 3.43E-06 | 0.376 | 0.304 | 0.73 | 0.61 | -0.86 | 2.37E-04 | 0.337 | 0.270 | 0.73 | 0.6 | -0.89 | 0.61 | 1.61E-08 | HLA-DRB5(dist=9041), HLA-DRB6(dist=13443) | intergenic |
| 6 | 32545102 | T | C | rs9269602 | 6.93E-05 | 0.303 | 0.242 | 0.73 | 0.61 | -0.88 | 1.03E-05 | 0.281 | 0.208 | 0.67 | 0.55 | -0.83 | 0.59 | 1.68E-08 | HLA-DRB6(dist=17323), HLA-DRB1(dist=1445) | intergenic |
| 6 | 32478510 | A | G | rs137969124 | 1.91E-08 | 0.191 | 0.129 | 1.60 | 1.29 | -1.98 | 1.16E-02 | 0.130 | 0.091 | 1.49 | 1.12 | -1.97 | 1.92 | 1.69E-08 | HLA-DRA(dist=65684), HLA-DRB5(dist=6644) | intergenic |
| 6 | 32644388 | A | G | rs9275033 | 1.49E-06 | 0.455 | 0.374 | 0.72 | 0.61 | -0.84 | 4.75E-04 | 0.449 | 0.369 | 0.72 | 0.6 | -0.87 | 0.65 | 1.72E-08 | HLA-DQB1(dist=9922), HLA-DQA2(dist=64775) | intergenic |
| 6 | 32537570 | A | G | rs111254573 | 5.17E-07 | 0.172 | 0.241 | 0.65 | 0.53 | -0.81 | 1.30E-03 | 0.158 | 0.216 | 0.68 | 0.53 | -0.88 | 0.59 | 1.74E-08 | HLA-DRB6(dist=9791), HLA-DRB1(dist=8977) | intergenic |
| 6 | 32567351 | A | G | rs9270707 | 2.06E-07 | 0.259 | 0.185 | 0.65 | 0.54 | -0.78 | 2.12E-03 | 0.224 | 0.169 | 0.71 | 0.56 | -0.88 | 0.59 | 1.75E-08 | HLA-DRB1(dist=9738), HLA-DQA1(dist=37832) | intergenic |
| 6 | 32478393 | G | A | rs111885771 | 1.77E-07 | 0.436 | 0.356 | 0.71 | 0.6 | -0.84 | 2.39E-03 | 0.378 | 0.320 | 0.77 | 0.64 | -0.94 | 0.61 | 1.76E-08 | HLA-DRA(dist=65567), HLA-DRB5(dist=6761) | intergenic |
| 6 | 32480472 | G | T | rs79388859;rs202116092 | 7.71E-07 | 0.344 | 0.270 | 0.71 | 0.59 | -0.84 | 9.25E-04 | 0.260 | 0.202 | 0.72 | 0.58 | -0.89 | 0.60 | 1.76E-08 | HLA-DRA(dist=67646), HLA-DRB5(dist=4682) | intergenic |
| 6 | 32661798 | A | G | rs1144037519 | 9.44E-08 | 0.158 | 0.103 | 1.64 | 1.3 | -2.07 | 3.76E-03 | 0.140 | 0.097 | 1.52 | 1.16 | -2 | 1.96 | 1.79E-08 | HLA-DQB1(dist=27332), HLA-DQA2(dist=47365) | intergenic |
| 6 | 32545604 | C | T | rs9269627 | 5.46E-07 | 0.241 | 0.174 | 0.66 | 0.54 | -0.8 | 1.17E-03 | 0.199 | 0.147 | 0.69 | 0.55 | -0.88 | 0.57 | 1.80E-08 | HLA-DRB1 | downstream |
| 6 | 32518312 | A | G | rs66482188 | 3.32E-06 | 0.280 | 0.214 | 0.70 | 0.58 | -0.84 | 2.68E-04 | 0.253 | 0.188 | 0.68 | 0.55 | -0.85 | 0.59 | 1.83E-08 | HLA-DRB5(dist=20306), HLA-DRB6(dist=2178) | intergenic |
| 6 | 32484491 | C | T | rs75267018 | 8.16E-07 | 0.358 | 0.433 | 0.73 | 0.62 | -0.86 | 9.34E-04 | 0.401 | 0.467 | 0.76 | 0.63 | -0.92 | 0.62 | 1.93E-08 | HLA-DRB5 | downstream |
| 6 | 32471899 | C | T | rs78486495 | 7.71E-07 | 0.120 | 0.181 | 0.62 | 0.48 | -0.79 | 1.09E-03 | 0.122 | 0.174 | 0.66 | 0.5 | -0.88 | 0.55 | 1.94E-08 | HLA-DRA(dist=59073), HLA-DRB5(dist=13255) | intergenic |
| 6 | 32482176 | C | A | rs113147593 | 1.14E-06 | 0.492 | 0.415 | 0.73 | 0.62 | -0.87 | 7.11E-04 | 0.434 | 0.369 | 0.76 | 0.63 | -0.92 | 0.62 | 1.96E-08 | HLA-DRA(dist=69350), HLA-DRB5(dist=2978) | intergenic |
| 6 | 32524626 | C | T | rs71536548 | 3.95E-08 | 0.390 | 0.303 | 0.68 | 0.58 | -0.81 | 8.14E-03 | 0.282 | 0.235 | 0.78 | 0.63 | -0.96 | 0.61 | 1.99E-08 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32550164 | A | G | rs9269841 | 5.55E-07 | 0.248 | 0.178 | 0.66 | 0.54 | -0.8 | 1.44E-03 | 0.200 | 0.149 | 0.70 | 0.55 | -0.88 | 0.58 | 2.14E-08 | HLA-DRB1 | intronic |
| 6 | 32587391 | C | T | rs9271383 | 2.13E-04 | 0.427 | 0.506 | 0.73 | 0.62 | -0.86 | 2.91E-06 | 0.591 | 0.482 | 0.64 | 0.53 | -0.78 | 0.69 | 2.17E-08 | HLA-DRB1(dist=29778), HLA-DQA1(dist=17792) | intergenic |
| 6 | 32569027 | G | A | rs9270776 | 2.15E-04 | 0.333 | 0.268 | 0.73 | 0.62 | -0.87 | 3.27E-06 | 0.331 | 0.241 | 0.64 | 0.53 | -0.78 | 0.64 | 2.19E-08 | HLA-DRB1(dist=11414), HLA-DQA1(dist=36156) | intergenic |
| 6 | 32550550 | C | G | rs28724008 | 1.33E-05 | 0.136 | 0.196 | 0.65 | 0.51 | -0.81 | 9.29E-05 | 0.136 | 0.207 | 0.60 | 0.46 | -0.79 | 0.59 | 2.25E-08 | HLA-DRB1 | intronic |
| 6 | 32569108 | C | T | rs9270780 | 1.85E-04 | 0.320 | 0.255 | 0.73 | 0.61 | -0.87 | 4.32E-06 | 0.329 | 0.241 | 0.65 | 0.53 | -0.79 | 0.64 | 2.29E-08 | HLA-DRB1(dist=11495), HLA-DQA1(dist=36075) | intergenic |
| 6 | 32560520 | G | A | rs9270552 | 1.53E-04 | 0.300 | 0.233 | 0.71 | 0.59 | -0.85 | 5.72E-06 | 0.328 | 0.239 | 0.64 | 0.53 | -0.79 | 0.64 | 2.30E-08 | HLA-DRB1(dist=2907), HLA-DQA1(dist=44663) | intergenic |
| 6 | 32549259 | G | A | rs9269795 | 6.67E-07 | 0.239 | 0.172 | 0.66 | 0.55 | -0.81 | 1.30E-03 | 0.198 | 0.147 | 0.69 | 0.55 | -0.88 | 0.57 | 2.41E-08 | HLA-DRB1 | intronic |
| 6 | 32559725 | T | C | rs9270537 | 2.78E-04 | 0.310 | 0.245 | 0.73 | 0.61 | -0.87 | 2.76E-06 | 0.340 | 0.246 | 0.63 | 0.52 | -0.77 | 0.64 | 2.44E-08 | HLA-DRB1(dist=2112), HLA-DQA1(dist=45458) | intergenic |
| 6 | 32481392 | A | T | rs112582516 | 5.23E-06 | 0.341 | 0.271 | 0.72 | 0.6 | -0.85 | 2.56E-04 | 0.264 | 0.198 | 0.69 | 0.56 | -0.85 | 0.61 | 2.45E-08 | HLA-DRA(dist=68566), HLA-DRB5(dist=3762) | intergenic |
| 6 | 32560523 | A | G | rs9270553 | 1.62E-04 | 0.300 | 0.234 | 0.71 | 0.59 | -0.85 | 5.79E-06 | 0.328 | 0.239 | 0.64 | 0.53 | -0.79 | 0.64 | 2.47E-08 | HLA-DRB1(dist=2910), HLA-DQA1(dist=44660) | intergenic |
| 6 | 32627795 | A | G | rs1766 | 1.76E-06 | 0.306 | 0.404 | 0.65 | 0.55 | -0.78 | 7.02E-04 | 0.305 | 0.385 | 0.70 | 0.57 | -0.86 | 0.68 | 2.53E-08 | HLA-DQB1 | UTR3 |
| 6 | 32588877 | A | G | rs9271481 | 5.70E-07 | 0.211 | 0.138 | 0.60 | 0.49 | -0.74 | 1.65E-03 | 0.195 | 0.143 | 0.68 | 0.54 | -0.87 | 0.59 | 2.55E-08 | HLA-DRB1(dist=31264), HLA-DQA1(dist=16306) | intergenic |
| 6 | 32538621 | T | A | rs72492352 | 9.85E-05 | 0.299 | 0.239 | 0.74 | 0.62 | -0.88 | 1.37E-05 | 0.321 | 0.241 | 0.67 | 0.55 | -0.82 | 0.61 | 2.57E-08 | HLA-DRB6(dist=10842), HLA-DRB1(dist=7926) | intergenic |
| 6 | 32551112 | G | A | rs9269897 | 9.96E-05 | 0.357 | 0.293 | 0.75 | 0.63 | -0.89 | 1.12E-05 | 0.318 | 0.240 | 0.68 | 0.55 | -0.83 | 0.62 | 2.69E-08 | HLA-DRB1 | intronic |
| 6 | 32567155 | G | A | rs386699437;rs9270696 | 2.70E-04 | 0.309 | 0.247 | 0.73 | 0.61 | -0.87 | 3.53E-06 | 0.349 | 0.257 | 0.65 | 0.53 | -0.79 | 0.64 | 2.71E-08 | HLA-DRB1(dist=9542), HLA-DQA1(dist=38028) | intergenic |
| 6 | 32458277 | T | C | rs57053495 | 7.29E-06 | 0.425 | 0.358 | 0.75 | 0.64 | -0.89 | 2.09E-04 | 0.408 | 0.338 | 0.74 | 0.61 | -0.9 | 0.62 | 2.76E-08 | HLA-DRA(dist=45451), HLA-DRB5(dist=26877) | intergenic |
| 6 | 32546132 | G | A | rs9269655 | 6.62E-05 | 0.300 | 0.239 | 0.73 | 0.61 | -0.88 | 2.10E-05 | 0.293 | 0.221 | 0.68 | 0.56 | -0.84 | 0.60 | 2.76E-08 | HLA-DRB1 | downstream |
| 6 | 32527850 | C | G | rs150088970 | 1.04E-07 | 0.208 | 0.151 | 1.48 | 1.2 | -1.82 | 6.22E-03 | 0.145 | 0.104 | 1.46 | 1.12 | -1.92 | 1.94 | 2.78E-08 | HLA-DRB6 | upstream |
| 6 | 32482181 | C | T | rs111874278 | 2.86E-07 | 0.434 | 0.355 | 0.72 | 0.61 | -0.85 | 2.63E-03 | 0.362 | 0.305 | 0.77 | 0.64 | -0.94 | 0.63 | 2.81E-08 | HLA-DRA(dist=69355), HLA-DRB5(dist=2973) | intergenic |
| 6 | 32560222 | C | T | rs28366279 | 2.05E-04 | 0.315 | 0.250 | 0.73 | 0.61 | -0.87 | 5.06E-06 | 0.332 | 0.242 | 0.64 | 0.53 | -0.79 | 0.64 | 2.82E-08 | HLA-DRB1(dist=2609), HLA-DQA1(dist=44961) | intergenic |
| 6 | 32576687 | T | C | rs9271109 | 1.38E-04 | 0.318 | 0.250 | 0.72 | 0.6 | -0.86 | 8.60E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.65 | 2.83E-08 | HLA-DRB1(dist=19074), HLA-DQA1(dist=28496) | intergenic |
| 6 | 32545248 | C | A | rs9269611 | 7.21E-05 | 0.337 | 0.273 | 0.74 | 0.62 | -0.88 | 2.00E-05 | 0.301 | 0.226 | 0.68 | 0.55 | -0.83 | 0.62 | 2.95E-08 | HLA-DRB6(dist=17469), HLA-DRB1(dist=1299) | intergenic |
| 6 | 32566743 | A | G | rs9270679 | 2.28E-04 | 0.307 | 0.244 | 0.73 | 0.61 | -0.87 | 5.01E-06 | 0.343 | 0.252 | 0.65 | 0.53 | -0.79 | 0.64 | 2.96E-08 | HLA-DRB1(dist=9130), HLA-DQA1(dist=38440) | intergenic |
| 6 | 32569025 | C | T | rs9270775 | 2.90E-04 | 0.335 | 0.271 | 0.74 | 0.62 | -0.88 | 3.21E-06 | 0.331 | 0.241 | 0.64 | 0.53 | -0.78 | 0.64 | 2.96E-08 | HLA-DRB1(dist=11412), HLA-DQA1(dist=36158) | intergenic |
| 6 | 32587768 | G | A | rs9271413 | 6.66E-07 | 0.211 | 0.139 | 0.60 | 0.49 | -0.74 | 1.68E-03 | 0.197 | 0.144 | 0.69 | 0.54 | -0.87 | 0.59 | 2.97E-08 | HLA-DRB1(dist=30155), HLA-DQA1(dist=17415) | intergenic |
| 6 | 32574840 | T | G | rs9271020 | 1.91E-04 | 0.305 | 0.238 | 0.71 | 0.6 | -0.85 | 6.09E-06 | 0.336 | 0.243 | 0.64 | 0.52 | -0.78 | 0.65 | 2.98E-08 | HLA-DRB1(dist=17227), HLA-DQA1(dist=30343) | intergenic |
| 6 | 32489354 | C | T | rs112742095 | 6.43E-06 | 0.301 | 0.233 | 0.71 | 0.59 | -0.84 | 2.59E-04 | 0.236 | 0.173 | 0.68 | 0.54 | -0.85 | 0.60 | 2.98E-08 | HLA-DRB5 | intronic |
| 6 | 32587897 | G | T | rs9271423 | 5.90E-07 | 0.212 | 0.139 | 0.60 | 0.49 | -0.74 | 1.87E-03 | 0.194 | 0.142 | 0.69 | 0.54 | -0.87 | 0.59 | 3.02E-08 | HLA-DRB1(dist=30284), HLA-DQA1(dist=17286) | intergenic |
| 6 | 32548178 | A | G | rs9269755 | 4.59E-05 | 0.304 | 0.241 | 0.73 | 0.61 | -0.87 | 3.68E-05 | 0.286 | 0.215 | 0.69 | 0.56 | -0.84 | 0.61 | 3.15E-08 | HLA-DRB1 | intronic |
| 6 | 32576688 | G | A | rs9271110 | 1.39E-04 | 0.318 | 0.251 | 0.72 | 0.6 | -0.86 | 9.87E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.65 | 3.16E-08 | HLA-DRB1(dist=19075), HLA-DQA1(dist=28495) | intergenic |
| 6 | 32498988 | C | T | rs185367554 | 9.66E-05 | 0.195 | 0.250 | 0.72 | 0.59 | -0.89 | 1.70E-05 | 0.205 | 0.288 | 0.64 | 0.51 | -0.8 | 0.62 | 3.19E-08 | HLA-DRB5 | upstream |
| 6 | 32510733 | C | T | rs138222522 | 4.11E-05 | 0.160 | 0.218 | 0.69 | 0.55 | -0.85 | 4.02E-05 | 0.148 | 0.219 | 0.62 | 0.48 | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|------------|
| 6 | 32612397 | A | G | rs6927022 | 2.01E-05 | 0.284 | 0.363 | 0.70 | 0.58 | -0.83 | 1.14E-04 | 0.285 | 0.373 | 0.67 | 0.54 | -0.82 | 0.67 | 3.90E-08 | HLA-DQA1 | downstream |
| 6 | 32569050 | A | G | rs9270778 | 3.58E-04 | 0.330 | 0.267 | 0.74 | 0.62 | -0.88 | 3.29E-06 | 0.331 | 0.241 | 0.64 | 0.53 | -0.78 | 0.65 | 3.91E-08 | HLA-DRB1(dist=11437), HLA-DQA1(dist=36133) | intergenic |
| 6 | 32484463 | T | A | rs115343758 | 1.83E-06 | 0.336 | 0.410 | 0.73 | 0.62 | -0.87 | 9.72E-04 | 0.379 | 0.445 | 0.76 | 0.63 | -0.92 | 0.62 | 3.92E-08 | HLA-DRB5 | downstream |
| 6 | 32550860 | T | C | rs9269876 | 3.68E-04 | 0.330 | 0.272 | 0.76 | 0.64 | -0.9 | 3.74E-06 | 0.322 | 0.236 | 0.65 | 0.53 | -0.8 | 0.63 | 3.96E-08 | HLA-DRB1 | intronic |
| 6 | 32483454 | C | T | rs148072191 | 1.91E-05 | 0.200 | 0.261 | 0.71 | 0.58 | -0.87 | 1.22E-04 | 0.190 | 0.265 | 0.65 | 0.51 | -0.82 | 0.61 | 3.97E-08 | HLA-DRA(dist=70628), HLA-DRB5(dist=1700) | intergenic |
| 6 | 32574703 | G | C | rs9271013 | 2.19E-04 | 0.308 | 0.241 | 0.72 | 0.6 | -0.86 | 7.49E-06 | 0.327 | 0.237 | 0.64 | 0.52 | -0.78 | 0.65 | 4.08E-08 | HLA-DRB1(dist=17090), HLA-DQA1(dist=30480) | intergenic |
| 6 | 32574696 | A | C | rs9271012 | 2.19E-04 | 0.308 | 0.241 | 0.72 | 0.6 | -0.86 | 7.50E-06 | 0.327 | 0.237 | 0.64 | 0.52 | -0.78 | 0.65 | 4.09E-08 | HLA-DRB1(dist=17083), HLA-DQA1(dist=30487) | intergenic |
| 6 | 32484625 | T | C | rs79394030 | 2.49E-07 | 0.308 | 0.511 | 0.72 | 0.61 | -0.84 | 4.18E-03 | 0.492 | 0.431 | 0.78 | 0.65 | -0.94 | 0.64 | 4.12E-08 | HLA-DRB5 | downstream |
| 6 | 32481336 | T | C | rs141331602 | 8.53E-07 | 0.311 | 0.236 | 0.68 | 0.57 | -0.82 | 1.95E-03 | 0.227 | 0.171 | 0.70 | 0.56 | -0.88 | 0.61 | 4.14E-08 | HLA-DRA(dist=68510), HLA-DRB5(dist=3818) | intergenic |
| 6 | 32566686 | T | A | rs9270678 | 2.26E-04 | 0.289 | 0.225 | 0.71 | 0.59 | -0.86 | 7.56E-06 | 0.327 | 0.238 | 0.64 | 0.53 | -0.79 | 0.65 | 4.15E-08 | HLA-DRB1(dist=9073), HLA-DQA1(dist=38497) | intergenic |
| 6 | 32485025 | C | T | rs114902457 | 4.62E-07 | 0.386 | 0.310 | 0.72 | 0.6 | -0.85 | 3.07E-03 | 0.302 | 0.250 | 0.77 | 0.63 | -0.95 | 0.61 | 4.15E-08 | HLA-DRB5 | downstream |
| 6 | 32565807 | A | C | rs9270648 | 2.16E-04 | 0.314 | 0.250 | 0.73 | 0.61 | -0.87 | 7.98E-06 | 0.332 | 0.243 | 0.65 | 0.53 | -0.79 | 0.65 | 4.15E-08 | HLA-DRB1(dist=8194), HLA-DQA1(dist=39376) | intergenic |
| 6 | 32561277 | C | T | rs9270584 | 2.59E-04 | 0.297 | 0.233 | 0.72 | 0.6 | -0.86 | 6.11E-06 | 0.328 | 0.239 | 0.64 | 0.53 | -0.79 | 0.65 | 4.17E-08 | HLA-DRB1(dist=3664), HLA-DQA1(dist=43906) | intergenic |
| 6 | 32567586 | A | C | rs9270719;rs386699447 | 2.43E-04 | 0.295 | 0.230 | 0.71 | 0.6 | -0.86 | 6.73E-06 | 0.328 | 0.238 | 0.64 | 0.52 | -0.78 | 0.65 | 4.22E-08 | HLA-DRB1(dist=9973), HLA-DQA1(dist=37597) | intergenic |
| 6 | 32541282 | T | G | rs9269395 | 3.66E-04 | 0.389 | 0.327 | 0.76 | 0.65 | -0.9 | 4.19E-06 | 0.349 | 0.259 | 0.65 | 0.54 | -0.8 | 0.64 | 4.28E-08 | HLA-DRB6(dist=13503), HLA-DRB1(dist=5265) | intergenic |
| 6 | 32576699 | G | A | rs9271111 | 1.87E-04 | 0.305 | 0.238 | 0.71 | 0.59 | -0.85 | 9.71E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.65 | 4.32E-08 | HLA-DRB1(dist=19086), HLA-DQA1(dist=28484) | intergenic |
| 6 | 32542728 | T | G | rs9269485 | 3.53E-04 | 0.322 | 0.265 | 0.76 | 0.64 | -0.9 | 5.14E-06 | 0.321 | 0.234 | 0.65 | 0.53 | -0.79 | 0.63 | 4.32E-08 | HLA-DRB6(dist=14949), HLA-DRB1(dist=3819) | intergenic |
| 6 | 32546828 | C | T | rs1064697 | 2.13E-06 | 0.258 | 0.192 | 0.68 | 0.57 | -0.83 | 9.85E-04 | 0.211 | 0.156 | 0.69 | 0.55 | -0.87 | 0.59 | 4.33E-08 | HLA-DRB1(NM_002124;c.*40G>A, NM_001243965;c.*40G>A) | UTR3 |
| 6 | 32567154 | A | C | rs9270695;rs386699437 | 2.90E-04 | 0.307 | 0.244 | 0.73 | 0.61 | -0.87 | 5.94E-06 | 0.342 | 0.252 | 0.65 | 0.53 | -0.79 | 0.65 | 4.34E-08 | HLA-DRB1(dist=9541), HLA-DQA1(dist=38029) | intergenic |
| 6 | 32579211 | G | C | rs9271213 | 1.84E-04 | 0.300 | 0.232 | 0.71 | 0.59 | -0.85 | 9.91E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.65 | 4.34E-08 | HLA-DRB1(dist=21598), HLA-DQA1(dist=25972) | intergenic |
| 6 | 32560808 | G | A | rs9270568 | 2.68E-04 | 0.296 | 0.231 | 0.72 | 0.6 | -0.86 | 6.11E-06 | 0.328 | 0.239 | 0.64 | 0.53 | -0.79 | 0.65 | 4.34E-08 | HLA-DRB1(dist=3195), HLA-DQA1(dist=44375) | intergenic |
| 6 | 32561302 | G | A | rs9270586 | 2.61E-04 | 0.298 | 0.233 | 0.72 | 0.6 | -0.86 | 6.40E-06 | 0.328 | 0.239 | 0.64 | 0.53 | -0.79 | 0.65 | 4.35E-08 | HLA-DRB1(dist=3689), HLA-DQA1(dist=43881) | intergenic |
| 6 | 32503039 | A | G | rs71549270 | 6.36E-07 | 0.272 | 0.202 | 0.67 | 0.56 | -0.81 | 2.25E-03 | 0.214 | 0.160 | 0.70 | 0.56 | -0.88 | 0.60 | 4.36E-08 | HLA-DRB5(dist=5033), HLA-DRB6(dist=17451) | intergenic |
| 6 | 32574807 | C | T | rs9271018 | 2.27E-04 | 0.326 | 0.261 | 0.73 | 0.61 | -0.87 | 8.16E-06 | 0.328 | 0.238 | 0.64 | 0.53 | -0.78 | 0.65 | 4.36E-08 | HLA-DRB1(dist=17194), HLA-DQA1(dist=30376) | intergenic |
| 6 | 32561305 | T | G | rs9270587 | 2.63E-04 | 0.298 | 0.233 | 0.72 | 0.6 | -0.86 | 6.39E-06 | 0.328 | 0.240 | 0.64 | 0.53 | -0.79 | 0.65 | 4.38E-08 | HLA-DRB1(dist=3692), HLA-DQA1(dist=43878) | intergenic |
| 6 | 32560899 | C | T | rs9270569 | 2.70E-04 | 0.296 | 0.232 | 0.72 | 0.6 | -0.86 | 6.12E-06 | 0.328 | 0.239 | 0.64 | 0.53 | -0.79 | 0.65 | 4.38E-08 | HLA-DRB1(dist=3286), HLA-DQA1(dist=44284) | intergenic |
| 6 | 32571771 | G | A | rs9270885 | 1.85E-04 | 0.313 | 0.246 | 0.72 | 0.6 | -0.86 | 9.86E-06 | 0.324 | 0.237 | 0.65 | 0.53 | -0.79 | 0.65 | 4.39E-08 | HLA-DRB1(dist=14158), HLA-DQA1(dist=33412) | intergenic |
| 6 | 32487928 | T | G | rs113970288 | 4.06E-05 | 0.341 | 0.401 | 0.77 | 0.65 | -0.92 | 6.50E-05 | 0.359 | 0.440 | 0.71 | 0.59 | -0.86 | 0.62 | 4.40E-08 | HLA-DRB5 | intronic |
| 6 | 32583543 | A | G | rs9271347 | 9.04E-07 | 0.210 | 0.138 | 0.60 | 0.49 | -0.74 | 1.95E-03 | 0.194 | 0.142 | 0.69 | 0.54 | -0.87 | 0.60 | 4.41E-08 | HLA-DRB1(dist=25930), HLA-DQA1(dist=21640) | intergenic |
| 6 | 32538590 | T | C | rs11655598 | 1.76E-04 | 0.302 | 0.246 | 0.74 | 0.62 | -0.89 | 1.36E-05 | 0.329 | 0.247 | 0.67 | 0.55 | -0.82 | 0.63 | 4.41E-08 | HLA-DRB6(dist=10811), HLA-DRB1(dist=7957) | intergenic |
| 6 | 32567007 | A | G | rs66835153;rs9270693 | 2.80E-04 | 0.306 | 0.243 | 0.73 | 0.61 | -0.87 | 6.36E-06 | 0.341 | 0.252 | 0.65 | 0.53 | -0.79 | 0.65 | 4.42E-08 | HLA-DRB1(dist=9394), HLA-DQA1(dist=38176) | intergenic |
| 6 | 32567006 | C | T | rs9270692;rs66835153 | 2.83E-04 | 0.306 | 0.243 | 0.73 | 0.61 | -0.87 | 6.34E-06 | 0.341 | 0.252 | 0.65 | 0.53 | -0.79 | 0.65 | 4.45E-08 | HLA-DRB1(dist=9393), HLA-DQA1(dist=38177) | intergenic |
| 6 | 32494826 | G | C | rs143514699 | 4.62E-06 | 0.240 | 0.309 | 0.71 | 0.59 | -0.85 | 5.23E-04 | 0.285 | 0.355 | 0.73 | 0.59 | -0.89 | 0.62 | 4.45E-08 | HLA-DRB5 | intronic |
| 6 | 32585755 | T | A | rs3129762 | 1.08E-06 | 0.210 | 0.138 | 0.61 | 0.49 | -0.74 | 1.74E-03 | 0.195 | 0.143 | 0.69 | 0.54 | -0.87 | 0.60 | 4.46E-08 | HLA-DRB1(dist=28142), HLA-DQA1(dist=19428) | intergenic |
| 6 | 32567337 | C | T | rs9270705 | 3.58E-04 | 0.364 | 0.302 | 0.75 | 0.64 | -0.89 | 4.45E-06 | 0.363 | 0.271 | 0.65 | 0.53 | -0.79 | 0.65 | 4.46E-08 | HLA-DRB1(dist=9724), HLA-DQA1(dist=37846) | intergenic |
| 6 | 32569233 | A | G | rs9270792 | 1.35E-04 | 0.430 | 0.366 | 0.76 | 0.65 | -0.9 | 1.79E-05 | 0.411 | 0.326 | 0.69 | 0.57 | -0.84 | 0.64 | 4.53E-08 | HLA-DRB1(dist=11620), HLA-DQA1(dist=35950) | intergenic |
| 6 | 32566744 | C | T | rs9270680 | 2.24E-04 | 0.307 | 0.244 | 0.73 | 0.61 | -0.87 | 9.06E-06 | 0.334 | 0.246 | 0.65 | 0.53 | -0.79 | 0.65 | 4.62E-08 | HLA-DRB1(dist=9131), HLA-DQA1(dist=38439) | intergenic |
| 6 | 32572079 | T | C | rs9270906 | 2.18E-04 | 0.306 | 0.240 | 0.71 | 0.6 | -0.86 | 8.89E-06 | 0.340 | 0.249 | 0.64 | 0.53 | -0.79 | 0.66 | 4.67E-08 | HLA-DRB1(dist=14466), HLA-DQA1(dist=43104) | intergenic |
| 6 | 32567024 | C | T | rs9270694 | 2.53E-04 | 0.288 | 0.224 | 0.71 | 0.59 | -0.86 | 7.73E-06 | 0.327 | 0.238 | 0.64 | 0.53 | -0.79 | 0.65 | 4.74E-08 | HLA-DRB1(dist=9411), HLA-DQA1(dist=38159) | intergenic |
| 6 | 32584609 | A | C | rs3129757 | 1.05E-06 | 0.209 | 0.138 | 0.60 | 0.49 | -0.74 | 1.87E-03 | 0.194 | 0.142 | 0.69 | 0.54 | -0.87 | 0.60 | 4.74E-08 | HLA-DRB1(dist=26996), HLA-DQA1(dist=20574) | intergenic |
| 6 | 32568654 | A | G | rs9271366 | 1.21E-06 | 0.210 | 0.139 | 0.61 | 0.49 | -0.75 | 1.70E-03 | 0.195 | 0.142 | 0.68 | 0.54 | -0.87 | 0.60 | 4.75E-08 | HLA-DRB1(dist=29241), HLA-DQA1(dist=18329) | intergenic |
| 6 | 32566909 | A | T | rs9270689 | 2.61E-04 | 0.289 | 0.225 | 0.71 | 0.59 | -0.86 | 7.59E-06 | 0.327 | 0.238 | 0.64 | 0.53 | -0.79 | 0.65 | 4.81E-08 | HLA-DRB1(dist=9296), HLA-DQA1(dist=38274) | intergenic |
| 6 | 32566948 | G | A | rs9270690 | 2.62E-04 | 0.289 | 0.225 | 0.71 | 0.59 | -0.86 | 7.60E-06 | 0.327 | 0.238 | 0.64 | 0.53 | -0.79 | 0.65 | 4.83E-08 | HLA-DRB1(dist=9335), HLA-DQA1(dist=38235) | intergenic |
| 6 | 32586019 | A | G | rs3135005 | 1.01E-06 | 0.209 | 0.138 | 0.60 | 0.49 | -0.74 | 1.97E-03 | 0.194 | 0.142 | 0.69 | 0.54 | -0.87 | 0.60 | 4.84E-08 | HLA-DRB1(dist=28406), HLA-DQA1(dist=19164) | intergenic |
| 6 | 32614228 | A | G | rs9273255 | 3.82E-05 | 0.250 | 0.319 | 0.71 | 0.59 | -0.86 | 7.69E-05 | 0.310 | 0.402 | 0.67 | 0.55 | -0.82 | 0.66 | 4.85E-08 | HLA-DQA1(dist=2799), HLA-DQB1(dist=13013) | intergenic |
| 6 | 32569157 | C | T | rs9270784 | 3.12E-04 | 0.357 | 0.297 | 0.76 | 0.64 | -0.9 | 6.33E-06 | 0.364 | 0.277 | 0.67 | 0.55 | -0.81 | 0.64 | 4.87E-08 | HLA-DRB1(dist=11544), HLA-DQA1(dist=36026) | intergenic |
| 6 | 32584066 | C | T | rs9271354 | 1.06E-06 | 0.209 | 0.138 | 0.60 | 0.49 | -0.74 | 1.92E-03 | 0.194 | 0.142 | 0.69 | 0.54 | -0.87 | 0.60 | 4.91E-08 | HLA-DRB1(dist=26453), HLA-DQA1(dist=21117) | intergenic |
| 6 | 32559764 | T | C | rs9270539 | 2.81E-04 | 0.303 | 0.240 | 0.72 | 0.61 | -0.87 | 6.94E-06 | 0.331 | 0.243 | 0.65 | 0.53 | -0.79 | 0.65 | 4.91E-08 | HLA-DRB1(dist=2151), HLA-DQA1(dist=45419) | intergenic |
| 6 | 32583860 | C | G | rs9271351 | 1.06E-06 | 0.209 | 0.138 | 0.60 | 0.49 | -0.74 | 1.95E-03 | 0.194 | 0.142 | 0.69 | 0.54 | -0.87 | 0.60 | 5.03E-08 | HLA-DRB1(dist=26247), HLA-DQA1(dist=21323) | intergenic |
| 6 | 32565626 | A | G | rs386699423;rs9270635 | 1.14E-04 | 0.385 | 0.318 | 0.75 | 0.63 | -0.88 | 2.31E-05 | 0.346 | 0.262 | 0.67 | 0.55 | -0.82 | 0.65 | 5.07E-08 | HLA-DRB1(dist=8013), HLA-DQA1(dist=39557) | intergenic |
| 6 | 32571845 | C | T | rs9270893 | 1.73E-04 | 0.308 | 0.243 | 0.72 | 0.6 | -0.86 | 1.32E-05 | 0.313 | 0.230 | 0.65 | 0.53 | -0.8 | 0.65 | 5.13E-08 | HLA-DRB1(dist=14232), HLA-DQA1(dist=33338) | intergenic |
| 6 | 32568770 | T | C | rs9270767 | 3.88E-04 | 0.345 | 0.282 | 0.75 | 0.63 | -0.89 | 4.61E-06 | 0.340 | 0.250 | 0.65 | 0.53 | -0.79 | 0.65 | 5.13E-08 | HLA-DRB1(dist=11157), HLA-DQA1(dist=36413) | intergenic |
| 6 | 32578040 | C | G | rs9271174 | 2.61E-04 | 0.295 | 0.229 | 0.71 | 0.59 | -0.85 | 7.58E-06 | 0.327 | 0.238 | 0.64 | 0.53 | -0.78 | 0.66 | 5.16E-08 | HLA-DRB1(dist=20427), HLA-DQA1(dist=27143) | intergenic |
| 6 | 32577981 | A | G | rs9271173 | 2.64E-04 | 0.295 | 0.229 | 0.71 | 0.59 | -0.85 | 7.61E-06 | 0.327 | 0.238 | 0.64 | 0.53 | -0.78 | 0.66 | 5.23E-08 | HLA-DRB1(dist=20368), HLA-DQA1(dist=27202) | intergenic |
| 6 | 32577975 | C | T | rs9271172 | 2.64E-04 | 0.295 | 0.229 | 0.71 | 0.59 | -0.85 | 7.62E-06 | 0.327 | 0.238 | 0.64 | 0.53 | -0.78 | 0.66 | 5.24E-08 | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|----------|---|---|-----------------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 6 | 32580723 | G | T | rs3997873 | 1.10E-06 | 0.209 | 0.138 | 0.61 | 0.49 | -0.74 | 2.09E-03 | 0.194 | 0.142 | 0.69 | 0.54 | -0.87 | 0.60 | 5.53E-08 | HLA-DRB1(dist=23110), HLA-DQA1(dist=24460) | intergenic |
| 6 | 32459491 | T | A | rs75948352 | 1.37E-05 | 0.193 | 0.258 | 0.69 | 0.56 | -0.84 | 2.51E-04 | 0.204 | 0.271 | 0.69 | 0.55 | -0.87 | 0.62 | 5.59E-08 | HLA-DRA(dist=46665), HLA-DRB5(dist=25663) | intergenic |
| 6 | 32569608 | G | A | rs9270809 | 2.54E-04 | 0.310 | 0.245 | 0.72 | 0.6 | -0.86 | 9.08E-06 | 0.332 | 0.324 | 0.65 | 0.53 | -0.79 | 0.65 | 5.60E-08 | HLA-DRB1(dist=11995), HLA-DQA1(dist=35575) | intergenic |
| 6 | 32524007 | A | G | rs148763535 | 3.56E-06 | 0.244 | 0.316 | 0.70 | 0.58 | -0.84 | 8.85E-04 | 0.247 | 0.212 | 0.72 | 0.58 | -0.9 | 0.62 | 5.60E-08 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32484442 | T | G | rs112574538 | 1.25E-06 | 0.349 | 0.424 | 0.73 | 0.61 | -0.86 | 1.94E-03 | 0.421 | 0.483 | 0.78 | 0.64 | -0.94 | 0.63 | 5.62E-08 | HLA-DRB5 | downstream |
| 6 | 32484499 | C | A | rs76397572 | 5.87E-06 | 0.415 | 0.489 | 0.74 | 0.63 | -0.87 | 5.59E-04 | 0.424 | 0.492 | 0.76 | 0.63 | -0.92 | 0.63 | 5.64E-08 | HLA-DRB5 | downstream |
| 6 | 32568763 | G | A | rs9270766 | 4.34E-04 | 0.342 | 0.280 | 0.75 | 0.63 | -0.89 | 4.43E-06 | 0.340 | 0.250 | 0.65 | 0.53 | -0.79 | 0.65 | 5.64E-08 | HLA-DRB1(dist=11150), HLA-DQA1(dist=36420) | intergenic |
| 6 | 32510777 | C | T | rs376873017;rs112894757 | 1.40E-04 | 0.154 | 0.208 | 0.69 | 0.56 | -0.87 | 1.87E-05 | 0.135 | 0.210 | 0.59 | 0.45 | -0.77 | 0.60 | 5.65E-08 | HLA-DRB5(dist=12771), HLA-DRB6(dist=9713) | intergenic |
| 6 | 32576177 | T | G | rs9271089 | 2.43E-04 | 0.302 | 0.236 | 0.71 | 0.6 | -0.85 | 9.60E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 5.68E-08 | HLA-DRB1(dist=18564), HLA-DQA1(dist=29006) | intergenic |
| 6 | 32544772 | G | A | rs9269579 | 2.94E-04 | 0.325 | 0.268 | 0.76 | 0.64 | -0.91 | 9.88E-06 | 0.346 | 0.262 | 0.67 | 0.55 | -0.82 | 0.63 | 5.73E-08 | HLA-DRB6(dist=16993), HLA-DRB1(dist=1775) | intergenic |
| 6 | 32566308 | A | C | rs386699431;rs386699432;rs9270668 | 3.22E-04 | 0.294 | 0.230 | 0.72 | 0.6 | -0.86 | 6.84E-06 | 0.328 | 0.239 | 0.64 | 0.52 | -0.78 | 0.65 | 5.76E-08 | HLA-DRB1(dist=8695), HLA-DQA1(dist=38875) | intergenic |
| 6 | 32572202 | C | T | rs9270911 | 1.19E-04 | 0.556 | 0.475 | 0.72 | 0.61 | -0.85 | 2.26E-05 | 0.579 | 0.480 | 0.67 | 0.56 | -0.81 | 0.70 | 5.77E-08 | HLA-DRB1(dist=14589), HLA-DQA1(dist=32981) | intergenic |
| 6 | 32541898 | C | G | rs9269439 | 1.89E-04 | 0.314 | 0.256 | 0.75 | 0.63 | -0.9 | 1.73E-05 | 0.315 | 0.234 | 0.66 | 0.54 | -0.81 | 0.62 | 5.90E-08 | HLA-DRB6(dist=14119), HLA-DRB1(dist=4649) | intergenic |
| 6 | 32545218 | C | T | rs9269610 | 8.37E-05 | 0.342 | 0.276 | 0.73 | 0.62 | -0.87 | 3.93E-05 | 0.305 | 0.232 | 0.69 | 0.56 | -0.84 | 0.63 | 5.93E-08 | HLA-DRB6(dist=17439), HLA-DRB1(dist=1329) | intergenic |
| 6 | 32565854 | C | T | rs9270650 | 3.21E-04 | 0.294 | 0.230 | 0.72 | 0.6 | -0.86 | 7.15E-06 | 0.328 | 0.238 | 0.64 | 0.53 | -0.78 | 0.65 | 5.93E-08 | HLA-DRB1(dist=8241), HLA-DQA1(dist=39329) | intergenic |
| 6 | 32569012 | G | C | rs9270774 | 4.20E-04 | 0.325 | 0.262 | 0.74 | 0.62 | -0.88 | 4.78E-06 | 0.331 | 0.244 | 0.65 | 0.53 | -0.79 | 0.65 | 5.98E-08 | HLA-DRB1(dist=11399), HLA-DQA1(dist=36171) | intergenic |
| 6 | 32566598 | C | A | rs9270674 | 3.29E-04 | 0.294 | 0.230 | 0.72 | 0.6 | -0.86 | 7.03E-06 | 0.328 | 0.238 | 0.64 | 0.53 | -0.78 | 0.65 | 6.01E-08 | HLA-DRB1(dist=8985), HLA-DQA1(dist=38585) | intergenic |
| 6 | 32565243 | A | G | rs9270619 | 3.31E-04 | 0.293 | 0.230 | 0.72 | 0.6 | -0.86 | 7.09E-06 | 0.327 | 0.238 | 0.64 | 0.53 | -0.78 | 0.65 | 6.04E-08 | HLA-DRB1(dist=7630), HLA-DQA1(dist=39940) | intergenic |
| 6 | 32560327 | C | T | rs28366284 | 3.86E-04 | 0.320 | 0.258 | 0.74 | 0.62 | -0.88 | 5.84E-06 | 0.331 | 0.242 | 0.64 | 0.53 | -0.79 | 0.65 | 6.08E-08 | HLA-DRB1(dist=2714), HLA-DQA1(dist=44856) | intergenic |
| 6 | 32569038 | T | A | rs9270777 | 5.07E-04 | 0.338 | 0.276 | 0.75 | 0.63 | -0.89 | 3.61E-06 | 0.333 | 0.243 | 0.64 | 0.53 | -0.79 | 0.65 | 6.09E-08 | HLA-DRB1(dist=11425), HLA-DQA1(dist=36145) | intergenic |
| 6 | 32564861 | A | G | rs9270605 | 3.40E-04 | 0.294 | 0.230 | 0.72 | 0.6 | -0.86 | 6.77E-06 | 0.326 | 0.237 | 0.64 | 0.53 | -0.79 | 0.65 | 6.11E-08 | HLA-DRB1(dist=7248), HLA-DQA1(dist=40322) | intergenic |
| 6 | 32569556 | T | A | rs9270805 | 2.86E-04 | 0.296 | 0.230 | 0.71 | 0.59 | -0.85 | 8.53E-06 | 0.326 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 6.15E-08 | HLA-DRB1(dist=11943), HLA-DQA1(dist=35627) | intergenic |
| 6 | 32569263 | C | T | rs9270795 | 2.68E-04 | 0.416 | 0.354 | 0.77 | 0.65 | -0.91 | 1.11E-05 | 0.403 | 0.315 | 0.68 | 0.56 | -0.82 | 0.65 | 6.16E-08 | HLA-DRB1(dist=11650), HLA-DQA1(dist=35920) | intergenic |
| 6 | 32546603 | A | G | rs1060270 | 2.39E-06 | 0.245 | 0.179 | 0.67 | 0.55 | -0.82 | 1.24E-03 | 0.206 | 0.153 | 0.69 | 0.55 | -0.88 | 0.59 | 6.20E-08 | HLA-DRB1(NM_002124:c."265T>C, NM_001243965:c."265T>C) | UTR3 |
| 6 | 32565329 | C | T | rs9270622 | 3.42E-04 | 0.294 | 0.230 | 0.72 | 0.6 | -0.86 | 6.97E-06 | 0.328 | 0.238 | 0.64 | 0.53 | -0.78 | 0.65 | 6.21E-08 | HLA-DRB1(dist=7716), HLA-DRB1(dist=29354) | intergenic |
| 6 | 32484673 | G | T | rs370404320;rs78391020 | 4.40E-05 | 0.346 | 0.411 | 0.76 | 0.64 | -0.9 | 8.70E-05 | 0.364 | 0.444 | 0.72 | 0.59 | -0.87 | 0.64 | 6.21E-08 | HLA-DRB5 | downstream |
| 6 | 32567296 | G | C | rs9270697;rs386699438;rs386699439 | 2.66E-04 | 0.543 | 0.469 | 0.74 | 0.63 | -0.88 | 9.06E-06 | 0.562 | 0.459 | 0.66 | 0.55 | -0.8 | 0.69 | 6.24E-08 | HLA-DRB1(dist=9683), HLA-DQA1(dist=37887) | intergenic |
| 6 | 32459266 | T | C | rs113712440 | 1.84E-06 | 0.293 | 0.364 | 0.73 | 0.61 | -0.87 | 1.52E-03 | 0.340 | 0.407 | 0.75 | 0.62 | -0.91 | 0.63 | 6.25E-08 | HLA-DRA(dist=46440), HLA-DRB5(dist=25888) | intergenic |
| 6 | 32550695 | C | T | rs28724021 | 1.88E-05 | 0.110 | 0.164 | 0.63 | 0.49 | -0.81 | 2.07E-04 | 0.117 | 0.182 | 0.60 | 0.45 | -0.8 | 0.58 | 6.29E-08 | HLA-DRB1 | intronic |
| 6 | 32568346 | G | A | rs9270750 | 2.44E-04 | 0.413 | 0.347 | 0.76 | 0.64 | -0.89 | 1.18E-05 | 0.383 | 0.295 | 0.67 | 0.56 | -0.82 | 0.65 | 6.30E-08 | HLA-DRB1(dist=10733), HLA-DQA1(dist=36837) | intergenic |
| 6 | 32546986 | G | C | rs9269698 | 1.72E-06 | 0.254 | 0.187 | 0.67 | 0.56 | -0.82 | 1.65E-03 | 0.210 | 0.159 | 0.71 | 0.56 | -0.89 | 0.59 | 6.35E-08 | HLA-DRB1 | intronic |
| 6 | 32576175 | A | C | rs9271088 | 2.84E-04 | 0.305 | 0.240 | 0.72 | 0.6 | -0.86 | 9.04E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 6.37E-08 | HLA-DRB1(dist=18562), HLA-DQA1(dist=29008) | intergenic |
| 6 | 32537722 | A | C | rs19003297 | 1.10E-05 | 0.303 | 0.238 | 0.72 | 0.6 | -0.86 | 3.47E-04 | 0.248 | 0.184 | 0.68 | 0.55 | -0.85 | 0.60 | 6.38E-08 | HLA-DRB6(dist=9943), HLA-DRB1(dist=8825) | intergenic |
| 6 | 32567330 | T | C | rs386699441;rs9270704 | 4.13E-04 | 0.363 | 0.301 | 0.76 | 0.64 | -0.9 | 5.91E-06 | 0.360 | 0.269 | 0.65 | 0.54 | -0.79 | 0.65 | 6.40E-08 | HLA-DRB1(dist=9717), HLA-DQA1(dist=37853) | intergenic |
| 6 | 32560645 | A | G | rs9270557 | 4.02E-04 | 0.299 | 0.236 | 0.73 | 0.61 | -0.87 | 5.77E-06 | 0.328 | 0.239 | 0.64 | 0.53 | -0.79 | 0.65 | 6.40E-08 | HLA-DRB1(dist=3032), HLA-DQA1(dist=44538) | intergenic |
| 6 | 32574808 | G | A | rs9271019 | 3.26E-04 | 0.322 | 0.259 | 0.74 | 0.62 | -0.88 | 8.24E-06 | 0.327 | 0.238 | 0.64 | 0.53 | -0.78 | 0.65 | 6.42E-08 | HLA-DRB1(dist=17195), HLA-DQA1(dist=30375) | intergenic |
| 6 | 32567368 | C | G | rs9270710 | 3.45E-04 | 0.364 | 0.301 | 0.75 | 0.63 | -0.89 | 7.18E-06 | 0.342 | 0.253 | 0.65 | 0.53 | -0.79 | 0.65 | 6.44E-08 | HLA-DRB1(dist=9755), HLA-DQA1(dist=37815) | intergenic |
| 6 | 32548321 | C | T | rs9269762 | 1.71E-06 | 0.239 | 0.175 | 0.67 | 0.55 | -0.82 | 1.62E-03 | 0.203 | 0.152 | 0.71 | 0.56 | -0.89 | 0.58 | 6.46E-08 | HLA-DRB1 | intronic |
| 6 | 32589842 | G | A | rs9271525 | 3.88E-06 | 0.227 | 0.157 | 0.63 | 0.52 | -0.77 | 9.09E-04 | 0.217 | 0.158 | 0.68 | 0.54 | -0.85 | 0.62 | 6.49E-08 | HLA-DRB1(dist=32229), HLA-DQA1(dist=15341) | intergenic |
| 6 | 32455827 | A | G | rs75044322 | 1.37E-06 | 0.374 | 0.449 | 0.73 | 0.62 | -0.87 | 1.97E-03 | 0.555 | 0.489 | 0.77 | 0.64 | -0.93 | 0.64 | 6.55E-08 | HLA-DRA(dist=43001), HLA-DRB5(dist=29327) | intergenic |
| 6 | 32509333 | C | T | rs72492305 | 9.04E-04 | 0.414 | 0.357 | 0.79 | 0.67 | -0.93 | 2.21E-06 | 0.431 | 0.336 | 0.67 | 0.55 | -0.81 | 0.65 | 6.61E-08 | HLA-DRB5(dist=11327), HLA-DRB6(dist=11157) | intergenic |
| 6 | 32568097 | G | A | rs9270736 | 1.75E-04 | 0.378 | 0.313 | 0.75 | 0.63 | -0.89 | 1.84E-05 | 0.337 | 0.252 | 0.66 | 0.54 | -0.81 | 0.66 | 6.65E-08 | HLA-DRB1(dist=10484), HLA-DQA1(dist=37086) | intergenic |
| 6 | 32576165 | T | A | rs9271086 | 2.85E-04 | 0.305 | 0.240 | 0.72 | 0.6 | -0.86 | 9.64E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 6.66E-08 | HLA-DRB1(dist=18552), HLA-DQA1(dist=29018) | intergenic |
| 6 | 32566149 | G | A | rs9270664 | 1.10E-04 | 0.515 | 0.434 | 0.72 | 0.61 | -0.85 | 3.01E-05 | 0.536 | 0.437 | 0.67 | 0.56 | -0.81 | 0.70 | 6.70E-08 | HLA-DRB1(dist=8536), HLA-DQA1(dist=39034) | intergenic |
| 6 | 32569607 | G | C | rs9270808 | 2.51E-04 | 0.310 | 0.245 | 0.72 | 0.6 | -0.86 | 1.22E-05 | 0.329 | 0.242 | 0.65 | 0.53 | -0.79 | 0.66 | 6.93E-08 | HLA-DRB1(dist=11994), HLA-DQA1(dist=35576) | intergenic |
| 6 | 32574130 | A | G | rs386699452;rs9270988;rs386699453 | 4.86E-04 | 0.294 | 0.231 | 0.72 | 0.6 | -0.86 | 4.74E-06 | 0.336 | 0.244 | 0.64 | 0.52 | -0.78 | 0.66 | 6.94E-08 | HLA-DRB1(dist=16517), HLA-DQA1(dist=31053) | intergenic |
| 6 | 32574881 | A | G | rs9271022 | 3.35E-04 | 0.321 | 0.258 | 0.73 | 0.61 | -0.87 | 8.68E-06 | 0.327 | 0.239 | 0.64 | 0.53 | -0.79 | 0.66 | 7.02E-08 | HLA-DRB1(dist=17268), HLA-DQA1(dist=30302) | intergenic |
| 6 | 32568740 | G | T | rs9270765 | 5.80E-04 | 0.309 | 0.248 | 0.74 | 0.62 | -0.89 | 3.89E-06 | 0.328 | 0.239 | 0.64 | 0.53 | -0.79 | 0.65 | 7.06E-08 | HLA-DRB1(dist=11127), HLA-DQA1(dist=36443) | intergenic |
| 6 | 32588606 | C | G | rs9271466 | 3.51E-06 | 0.229 | 0.159 | 0.63 | 0.52 | -0.77 | 1.08E-03 | 0.216 | 0.158 | 0.68 | 0.54 | -0.86 | 0.62 | 7.13E-08 | HLA-DRB1(dist=30993), HLA-DQA1(dist=16577) | intergenic |
| 6 | 32646113 | G | A | rs146422992 | 2.61E-07 | 0.155 | 0.105 | 1.56 | 1.24 | -1.97 | 5.85E-03 | 0.136 | 0.095 | 1.50 | 1.14 | -1.97 | 1.95 | 7.13E-08 | HLA-DQB1(dist=11647), HLA-DQA2(dist=63050) | intergenic |
| 6 | 32561143 | C | T | rs386699414;rs9270581 | 3.85E-04 | 0.296 | 0.233 | 0.73 | 0.61 | -0.87 | 7.13E-06 | 0.326 | 0.238 | 0.65 | 0.53 | -0.79 | 0.65 | 7.16E-08 | HLA-DRB1(dist=3530), HLA-DQA1(dist=44040) | intergenic |
| 6 | 32573748 | A | G | rs9270977 | 3.57E-04 | 0.296 | 0.232 | 0.72 | 0.6 | -0.86 | 8.17E-06 | 0.334 | 0.243 | 0.64 | 0.52 | -0.78 | 0.66 | 7.25E-08 | HLA-DRB1(dist=16135), HLA-DQA1(dist=31435) | intergenic |
| 6 | 32570809 | A | G | rs9270854 | 3.07E-04 | 0.294 | 0.229 | 0.71 | 0.59 | -0.85 | 9.74E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 7.32E-08 | HLA-DRB1(dist=13196), HLA-DQA1(dist=34374) | intergenic |
| 6 | 32498958 | G | C | rs11553783;rs115724954 | 6.44E-06 | 0.444 | 0.377 | 0.76 | 0.64 | -0.89 | 6.91E-04 | 0.342 | 0.282 | 0.75 | 0.62 | -0.92 | 0.61 | 7.33E-08 | HLA-DRB5 | upstream |
| 6 | 32572290 | G | A | rs9270915;rs199779851;rs386699450 | 2.93E-04 | 0.300 | 0.235 | 0.72 | 0.6 | -0.86 | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|----------|---|---|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|------------|
| 6 | 32571011 | G | C | rs9270865 | 3.45E-04 | 0.295 | 0.231 | 0.72 | 0.6 | -0.86 | 9.16E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 7.89E-08 | HLA-DRB1(dist=13398), HLA-DQA1(dist=34172) | intergenic |
| 6 | 32571001 | T | C | rs9270864 | 3.45E-04 | 0.295 | 0.231 | 0.72 | 0.6 | -0.86 | 9.16E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 7.90E-08 | HLA-DRB1(dist=13388), HLA-DQA1(dist=34182) | intergenic |
| 6 | 32578818 | C | A | rs9271201 | 4.03E-04 | 0.292 | 0.228 | 0.72 | 0.6 | -0.86 | 7.29E-06 | 0.326 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 7.94E-08 | HLA-DRB1(dist=21205), HLA-DQA1(dist=26365) | intergenic |
| 6 | 32569659 | T | C | rs9270810 | 3.64E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 8.54E-06 | 0.324 | 0.235 | 0.64 | 0.53 | -0.79 | 0.66 | 7.99E-08 | HLA-DRB1(dist=12046), HLA-DQA1(dist=35524) | intergenic |
| 6 | 32486115 | A | T | rs138467328 | 3.38E-06 | 0.338 | 0.267 | 0.71 | 0.6 | -0.85 | 1.26E-03 | 0.264 | 0.207 | 0.73 | 0.59 | -0.9 | 0.62 | 8.05E-08 | HLA-DRB5 | intronic |
| 6 | 32576493 | C | T | rs9271101 | 3.52E-04 | 0.293 | 0.228 | 0.71 | 0.59 | -0.86 | 9.01E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.07E-08 | HLA-DRB1(dist=18880), HLA-DQA1(dist=28690) | intergenic |
| 6 | 32572249 | A | T | rs9270914 | 3.29E-04 | 0.293 | 0.228 | 0.71 | 0.59 | -0.86 | 1.01E-05 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 8.07E-08 | HLA-DRB1(dist=14636), HLA-DQA1(dist=32934) | intergenic |
| 6 | 32568299 | A | G | rs9270748 | 2.79E-04 | 0.354 | 0.291 | 0.75 | 0.63 | -0.89 | 1.38E-05 | 0.339 | 0.253 | 0.66 | 0.54 | -0.8 | 0.65 | 8.07E-08 | HLA-DRB1(dist=10686), HLA-DQA1(dist=36884) | intergenic |
| 6 | 32577455 | A | G | rs9271149 | 3.74E-04 | 0.293 | 0.228 | 0.71 | 0.6 | -0.86 | 8.50E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 8.14E-08 | HLA-DRB1(dist=19842), HLA-DQA1(dist=27728) | intergenic |
| 6 | 32587375 | G | A | rs9271382 | 3.02E-04 | 0.530 | 0.454 | 0.74 | 0.63 | -0.87 | 1.05E-05 | 0.550 | 0.445 | 0.66 | 0.54 | -0.79 | 0.70 | 8.16E-08 | HLA-DRB1(dist=29762), HLA-DQA1(dist=17808) | intergenic |
| 6 | 32480063 | G | A | rs78541059 | 5.65E-06 | 0.191 | 0.258 | 0.68 | 0.55 | -0.83 | 8.90E-04 | 0.166 | 0.230 | 0.67 | 0.52 | -0.85 | 0.62 | 8.19E-08 | HLA-DRA(dist=67237), HLA-DRB5(dist=5091) | intergenic |
| 6 | 32510772 | G | A | rs376873017;rs113766057 | 1.90E-04 | 0.156 | 0.209 | 0.70 | 0.56 | -0.87 | 2.00E-05 | 0.135 | 0.209 | 0.59 | 0.45 | -0.77 | 0.60 | 8.21E-08 | HLA-DRB5(dist=12766), HLA-DRB6(dist=9718) | intergenic |
| 6 | 32567798 | G | T | rs9270723 | 4.47E-04 | 0.294 | 0.231 | 0.72 | 0.6 | -0.87 | 6.89E-06 | 0.327 | 0.238 | 0.64 | 0.53 | -0.78 | 0.66 | 8.24E-08 | HLA-DRB1(dist=10185), HLA-DQA1(dist=37385) | intergenic |
| 6 | 32576540 | T | C | rs9271103 | 3.53E-04 | 0.293 | 0.228 | 0.71 | 0.59 | -0.86 | 9.39E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.24E-08 | HLA-DRB1(dist=18927), HLA-DQA1(dist=28643) | intergenic |
| 6 | 32576296 | A | G | rs9271092 | 3.50E-04 | 0.293 | 0.228 | 0.71 | 0.59 | -0.86 | 9.46E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.27E-08 | HLA-DRB1(dist=18683), HLA-DQA1(dist=28887) | intergenic |
| 6 | 32504061 | T | C | rs71549278 | 3.66E-06 | 0.364 | 0.441 | 0.73 | 0.61 | -0.86 | 1.19E-03 | 0.379 | 0.455 | 0.73 | 0.6 | -0.89 | 0.66 | 8.28E-08 | HLA-DRB5(dist=6055), HLA-DRB6(dist=16429) | intergenic |
| 6 | 32572224 | A | G | rs9270912 | 3.37E-04 | 0.293 | 0.229 | 0.71 | 0.6 | -0.86 | 1.02E-05 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 8.36E-08 | HLA-DRB1(dist=14611), HLA-DQA1(dist=32959) | intergenic |
| 6 | 32538650 | T | G | rs72847631 | 1.43E-05 | 0.349 | 0.414 | 0.76 | 0.64 | -0.9 | 3.69E-04 | 0.304 | 0.380 | 0.71 | 0.58 | -0.87 | 0.63 | 8.37E-08 | HLA-DRB6(dist=10871), HLA-DRB1(dist=7897) | intergenic |
| 6 | 32570550 | T | G | rs9270844 | 3.57E-04 | 0.294 | 0.229 | 0.71 | 0.6 | -0.86 | 9.45E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 8.38E-08 | HLA-DRB1(dist=12937), HLA-DQA1(dist=34633) | intergenic |
| 6 | 32561161 | T | C | rs9270582 | 4.30E-04 | 0.305 | 0.243 | 0.73 | 0.61 | -0.87 | 7.57E-06 | 0.326 | 0.239 | 0.65 | 0.53 | -0.79 | 0.65 | 8.39E-08 | HLA-DRB1(dist=3548), HLA-DQA1(dist=44022) | intergenic |
| 6 | 32572229 | A | G | rs9270913 | 3.39E-04 | 0.293 | 0.229 | 0.71 | 0.6 | -0.86 | 1.02E-05 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 8.41E-08 | HLA-DRB1(dist=14616), HLA-DQA1(dist=32954) | intergenic |
| 6 | 32551541 | T | C | rs9269919 | 3.47E-06 | 0.250 | 0.186 | 0.68 | 0.56 | -0.83 | 1.18E-03 | 0.214 | 0.158 | 0.69 | 0.55 | -0.86 | 0.60 | 8.41E-08 | HLA-DRB1 | intronic |
| 6 | 32570571 | T | C | rs9270845 | 3.59E-04 | 0.294 | 0.229 | 0.71 | 0.6 | -0.86 | 9.63E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 8.54E-08 | HLA-DRB1(dist=12958), HLA-DQA1(dist=34612) | intergenic |
| 6 | 32580241 | C | A | rs372076960;rs9271251 | 3.61E-04 | 0.293 | 0.228 | 0.71 | 0.6 | -0.86 | 9.59E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.57E-08 | HLA-DRB1(dist=22628), HLA-DQA1(dist=24942) | intergenic |
| 6 | 32570649 | C | T | rs9270849 | 3.67E-04 | 0.294 | 0.229 | 0.72 | 0.6 | -0.86 | 9.40E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 8.57E-08 | HLA-DRB1(dist=13036), HLA-DQA1(dist=34534) | intergenic |
| 6 | 32570353 | C | T | rs9270838 | 3.65E-04 | 0.304 | 0.241 | 0.72 | 0.6 | -0.87 | 9.57E-06 | 0.332 | 0.243 | 0.65 | 0.53 | -0.79 | 0.66 | 8.58E-08 | HLA-DRB1(dist=12740), HLA-DQA1(dist=34830) | intergenic |
| 6 | 32481289 | T | C | rs112756604 | 1.91E-07 | 0.353 | 0.275 | 0.70 | 0.58 | -0.83 | 8.95E-03 | 0.269 | 0.220 | 0.76 | 0.62 | -0.95 | 0.62 | 8.59E-08 | HLA-DRA(dist=68463), HLA-DRB5(dist=3865) | intergenic |
| 6 | 32576426 | A | G | rs9271096 | 4.36E-04 | 0.294 | 0.230 | 0.72 | 0.6 | -0.86 | 7.34E-06 | 0.325 | 0.236 | 0.64 | 0.52 | -0.78 | 0.66 | 8.60E-08 | HLA-DRB1(dist=18813), HLA-DQA1(dist=28757) | intergenic |
| 6 | 32567820 | A | T | rs9270724 | 4.51E-04 | 0.293 | 0.230 | 0.72 | 0.6 | -0.87 | 7.25E-06 | 0.327 | 0.238 | 0.64 | 0.53 | -0.79 | 0.66 | 8.62E-08 | HLA-DRB1(dist=10207), HLA-DQA1(dist=37363) | intergenic |
| 6 | 32578726 | G | A | rs9271198 | 3.79E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 8.91E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.63E-08 | HLA-DRB1(dist=21113), HLA-DQA1(dist=34577) | intergenic |
| 6 | 32570377 | C | T | rs9270840 | 3.79E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 9.02E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.63E-08 | HLA-DRB1(dist=12764), HLA-DQA1(dist=34806) | intergenic |
| 6 | 32570375 | A | C | rs9270839 | 3.80E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 9.02E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.63E-08 | HLA-DRB1(dist=12762), HLA-DQA1(dist=34808) | intergenic |
| 6 | 32578673 | A | T | rs79267592 | 3.72E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 9.33E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.66E-08 | HLA-DRB1(dist=21060), HLA-DQA1(dist=26510) | intergenic |
| 6 | 32576561 | G | A | rs9271104 | 3.57E-04 | 0.293 | 0.228 | 0.71 | 0.6 | -0.86 | 8.85E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.66E-08 | HLA-DRB1(dist=18948), HLA-DQA1(dist=28622) | intergenic |
| 6 | 32570051 | C | G | rs9270823 | 3.89E-04 | 0.293 | 0.229 | 0.72 | 0.6 | -0.86 | 8.91E-06 | 0.332 | 0.243 | 0.65 | 0.53 | -0.79 | 0.66 | 8.67E-08 | HLA-DRB1(dist=12438), HLA-DQA1(dist=35132) | intergenic |
| 6 | 32570055 | T | G | rs9270824 | 3.88E-04 | 0.294 | 0.229 | 0.72 | 0.6 | -0.86 | 8.94E-06 | 0.332 | 0.243 | 0.65 | 0.53 | -0.79 | 0.66 | 8.67E-08 | HLA-DRB1(dist=12442), HLA-DQA1(dist=35128) | intergenic |
| 6 | 32568018 | C | T | rs9270732 | 4.68E-04 | 0.295 | 0.232 | 0.72 | 0.6 | -0.87 | 6.97E-06 | 0.327 | 0.238 | 0.64 | 0.53 | -0.78 | 0.66 | 8.68E-08 | HLA-DRB1(dist=10405), HLA-DQA1(dist=37165) | intergenic |
| 6 | 32542501 | T | A | rs9269476 | 4.11E-04 | 0.322 | 0.267 | 0.77 | 0.64 | -0.91 | 8.63E-06 | 0.298 | 0.222 | 0.67 | 0.55 | -0.82 | 0.62 | 8.69E-08 | HLA-DRB6(dist=14722), HLA-DQA1(dist=4046) | intergenic |
| 6 | 32574895 | T | C | rs9271023 | 4.28E-04 | 0.318 | 0.256 | 0.74 | 0.62 | -0.88 | 8.26E-06 | 0.327 | 0.238 | 0.64 | 0.53 | -0.79 | 0.66 | 8.74E-08 | HLA-DRB1(dist=17282), HLA-DQA1(dist=30288) | intergenic |
| 6 | 32580288 | C | G | rs9271252 | 3.62E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 9.78E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.75E-08 | HLA-DRB1(dist=22675), HLA-DQA1(dist=28485) | intergenic |
| 6 | 32481838 | A | C | rs181280314 | 2.39E-05 | 0.140 | 0.196 | 0.67 | 0.53 | -0.84 | 2.32E-04 | 0.129 | 0.189 | 0.64 | 0.48 | -0.84 | 0.59 | 8.77E-08 | HLA-DRA(dist=69012), HLA-DRB5(dist=3316) | intergenic |
| 6 | 32570281 | G | A | rs9270835 | 3.73E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 9.52E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 8.81E-08 | HLA-DRB1(dist=12668), HLA-DQA1(dist=34902) | intergenic |
| 6 | 32570418 | T | G | rs386699448;rs9270841 | 3.83E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 9.17E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 8.82E-08 | HLA-DRB1(dist=12805), HLA-DQA1(dist=34765) | intergenic |
| 6 | 32577549 | A | T | rs9271153 | 3.80E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 9.26E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.83E-08 | HLA-DRB1(dist=19936), HLA-DQA1(dist=27634) | intergenic |
| 6 | 32572451 | A | G | rs9270927 | 3.53E-04 | 0.295 | 0.231 | 0.72 | 0.6 | -0.86 | 1.03E-05 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 8.84E-08 | HLA-DRB1(dist=14838), HLA-DQA1(dist=32732) | intergenic |
| 6 | 32569879 | T | G | rs9270816 | 3.73E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 9.58E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.87E-08 | HLA-DRB1(dist=12266), HLA-DQA1(dist=35304) | intergenic |
| 6 | 32569790 | C | T | rs9270813 | 3.76E-04 | 0.297 | 0.234 | 0.72 | 0.6 | -0.86 | 9.60E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 8.89E-08 | HLA-DRB1(dist=12177), HLA-DQA1(dist=35393) | intergenic |
| 6 | 32569911 | A | G | rs9270817 | 3.74E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 9.58E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.89E-08 | HLA-DRB1(dist=12298), HLA-DQA1(dist=35272) | intergenic |
| 6 | 32576102 | T | C | rs9271083 | 3.94E-04 | 0.303 | 0.239 | 0.72 | 0.6 | -0.86 | 9.01E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.91E-08 | HLA-DRB1(dist=18489), HLA-DQA1(dist=29081) | intergenic |
| 6 | 32578612 | T | G | rs9271194 | 3.80E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 9.40E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.92E-08 | HLA-DRB1(dist=20999), HLA-DQA1(dist=26571) | intergenic |
| 6 | 32578735 | A | G | rs9271199 | 3.80E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 9.42E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.92E-08 | HLA-DRB1(dist=21122), HLA-DQA1(dist=26448) | intergenic |
| 6 | 32578530 | C | A | rs9271192 | 3.79E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 9.43E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.92E-08 | HLA-DRB1(dist=20917), HLA-DQA1(dist=26653) | intergenic |
| 6 | 32578566 | T | C | rs9271193 | 3.80E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 9.41E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 8.93E-08 | HLA-DRB1(dist=20953), HLA-DQA1(dist=26617) | intergenic |
| 6 | 32576083 | A | G | rs9271081 | 3.99E-04 | 0.308 | 0.244 | 0.73 | 0.61 | -0.87 | 8.96E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 8.95E-08 | HLA-DRB1(dist=18470), HLA-DQA1(dist=29100) | intergenic |
| 6 | 32578756 | C | T | rs9271200 | 3.80E-04 | 0.292 | 0.228 | 0.71 | 0.6 | -0.86 | 9.48E-06 | 0.325 | 0.23 | | | | | | | |

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|---|----------|---|---|------------------------|----------|-------|-------|------|-------------|----------|-------|-------|------|-------------|------|----------|--|----------------|
| 6 | 32580357 | C | T | rs9271255 | 3.79E-04 | 0.292 | 0.228 | 0.71 | 0.6 - 0.86 | 9.77E-06 | 0.324 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.17E-08 | HLA-DRB1(dist=22744), HLA-DQA1(dist=24826) | intergenic |
| 6 | 32580741 | A | G | rs3997874 | 3.84E-04 | 0.292 | 0.228 | 0.71 | 0.6 - 0.86 | 9.61E-06 | 0.324 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.19E-08 | HLA-DRB1(dist=23128), HLA-DQA1(dist=24442) | intergenic |
| 6 | 32579769 | T | C | rs9271239;rs386699461 | 3.79E-04 | 0.292 | 0.228 | 0.71 | 0.6 - 0.86 | 9.79E-06 | 0.324 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.19E-08 | HLA-DRB1(dist=22156), HLA-DQA1(dist=25414) | intergenic |
| 6 | 32570609 | C | T | rs9270848 | 3.92E-04 | 0.293 | 0.229 | 0.72 | 0.6 - 0.86 | 9.40E-06 | 0.325 | 0.237 | 0.64 | 0.53 - 0.79 | 0.66 | 9.20E-08 | HLA-DRB1(dist=12996), HLA-DQA1(dist=34574) | intergenic |
| 6 | 32570228 | T | C | rs9270832 | 3.89E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.56E-06 | 0.325 | 0.237 | 0.64 | 0.53 - 0.79 | 0.66 | 9.23E-08 | HLA-DRB1(dist=12615), HLA-DQA1(dist=34955) | intergenic |
| 6 | 32570221 | G | A | rs9270831 | 3.89E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.56E-06 | 0.325 | 0.237 | 0.64 | 0.53 - 0.79 | 0.66 | 9.23E-08 | HLA-DRB1(dist=12608), HLA-DQA1(dist=34962) | intergenic |
| 6 | 32570577 | A | T | rs9270846 | 3.87E-04 | 0.293 | 0.229 | 0.72 | 0.6 - 0.86 | 9.61E-06 | 0.325 | 0.237 | 0.64 | 0.53 - 0.79 | 0.66 | 9.23E-08 | HLA-DRB1(dist=12964), HLA-DQA1(dist=34606) | intergenic |
| 6 | 32578196 | G | A | rs9271179 | 3.83E-04 | 0.293 | 0.229 | 0.72 | 0.6 - 0.86 | 9.77E-06 | 0.325 | 0.237 | 0.64 | 0.53 - 0.79 | 0.66 | 9.24E-08 | HLA-DRB1(dist=20583), HLA-DQA1(dist=26987) | intergenic |
| 6 | 32576247 | T | C | rs9271090 | 3.92E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.43E-06 | 0.324 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.29E-08 | HLA-DRB1(dist=18634), HLA-DQA1(dist=28936) | intergenic |
| 6 | 32570776 | C | T | rs9270851 | 3.85E-04 | 0.292 | 0.228 | 0.71 | 0.6 - 0.86 | 9.72E-06 | 0.325 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.30E-08 | HLA-DRB1(dist=13163), HLA-DQA1(dist=34407) | intergenic |
| 6 | 32579940 | T | C | rs9271242 | 3.96E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.41E-06 | 0.325 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.36E-08 | HLA-DRB1(dist=22327), HLA-DQA1(dist=25243) | intergenic |
| 6 | 32579833 | T | C | rs9271240 | 3.84E-04 | 0.292 | 0.228 | 0.71 | 0.6 - 0.86 | 9.85E-06 | 0.324 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.37E-08 | HLA-DRB1(dist=22220), HLA-DQA1(dist=25350) | intergenic |
| 6 | 32525915 | A | G | rs185112674 | 1.14E-04 | 0.432 | 0.366 | 0.76 | 0.64 - 0.9 | 5.21E-05 | 0.374 | 0.290 | 0.69 | 0.56 - 0.83 | 0.65 | 9.38E-08 | HLA-DRB6 | ncRNA_exonic |
| 6 | 32568471 | G | A | rs9270754 | 4.01E-04 | 0.293 | 0.229 | 0.72 | 0.6 - 0.86 | 9.55E-06 | 0.324 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.38E-08 | HLA-DRB1(dist=10858), HLA-DQA1(dist=36712) | intergenic |
| 6 | 32576478 | T | C | rs9271100 | 4.07E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.16E-06 | 0.325 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.39E-08 | HLA-DRB1(dist=18865), HLA-DQA1(dist=28705) | intergenic |
| 6 | 32576633 | G | A | rs9271108 | 3.75E-04 | 0.297 | 0.232 | 0.72 | 0.6 - 0.86 | 1.02E-05 | 0.324 | 0.236 | 0.65 | 0.53 - 0.79 | 0.66 | 9.39E-08 | HLA-DRB1(dist=19020), HLA-DQA1(dist=28550) | intergenic |
| 6 | 32590833 | A | G | rs2097431 | 5.60E-05 | 0.440 | 0.359 | 0.71 | 0.61 - 0.84 | 8.46E-05 | 0.305 | 0.225 | 0.66 | 0.54 - 0.81 | 0.68 | 9.41E-08 | HLA-DRB1(dist=33220), HLA-DQA1(dist=14350) | intergenic |
| 6 | 32577470 | T | G | rs9271150 | 4.26E-04 | 0.296 | 0.232 | 0.72 | 0.6 - 0.86 | 8.69E-06 | 0.325 | 0.237 | 0.64 | 0.53 - 0.79 | 0.66 | 9.42E-08 | HLA-DRB1(dist=19857), HLA-DQA1(dist=27713) | intergenic |
| 6 | 32567880 | C | T | rs4341046 | 5.10E-04 | 0.295 | 0.233 | 0.73 | 0.6 - 0.87 | 6.90E-06 | 0.328 | 0.238 | 0.68 | 0.52 - 0.78 | 0.66 | 9.43E-08 | HLA-DRB1(dist=10267), HLA-DQA1(dist=37303) | intergenic |
| 6 | 32458007 | C | T | rs79180982 | 7.03E-07 | 0.334 | 0.258 | 0.70 | 0.58 - 0.83 | 4.62E-03 | 0.251 | 0.201 | 0.75 | 0.6 - 0.93 | 0.62 | 9.44E-08 | HLA-DRA(dist=45181), HLA-DRB5(dist=27147) | intergenic |
| 6 | 32577224 | C | G | rs9271145;rs200705269 | 3.83E-04 | 0.294 | 0.230 | 0.72 | 0.6 - 0.86 | 1.01E-05 | 0.325 | 0.237 | 0.64 | 0.53 - 0.79 | 0.66 | 9.45E-08 | HLA-DRB1(dist=19611), HLA-DQA1(dist=27959) | intergenic |
| 6 | 32572148 | G | A | rs9270908 | 3.99E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.41E-06 | 0.324 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.47E-08 | HLA-DRB1(dist=14535), HLA-DQA1(dist=33035) | intergenic |
| 6 | 32569422 | A | T | rs9270804 | 4.15E-04 | 0.329 | 0.267 | 0.74 | 0.62 - 0.89 | 1.03E-05 | 0.351 | 0.260 | 0.65 | 0.53 - 0.79 | 0.66 | 9.49E-08 | HLA-DRB1(dist=11809), HLA-DQA1(dist=35761) | intergenic |
| 6 | 32571227 | G | A | rs9270874 | 3.90E-04 | 0.292 | 0.228 | 0.71 | 0.6 - 0.86 | 9.83E-06 | 0.325 | 0.237 | 0.64 | 0.53 - 0.79 | 0.66 | 9.49E-08 | HLA-DRB1(dist=13614), HLA-DQA1(dist=33956) | intergenic |
| 6 | 32580084 | A | G | rs9271246 | 3.92E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.75E-06 | 0.324 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.49E-08 | HLA-DRB1(dist=22471), HLA-DQA1(dist=25099) | intergenic |
| 6 | 32459129 | T | C | rs190898689 | 3.03E-06 | 0.234 | 0.300 | 0.71 | 0.59 - 0.86 | 1.56E-03 | 0.265 | 0.328 | 0.74 | 0.6 - 0.91 | 0.62 | 9.49E-08 | HLA-DRA(dist=46303), HLA-DRB5(dist=26025) | intergenic |
| 6 | 32578837 | A | C | rs9271202 | 3.99E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.58E-06 | 0.325 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.50E-08 | HLA-DRB1(dist=21224), HLA-DQA1(dist=26346) | intergenic |
| 6 | 32580112 | A | G | rs9271247 | 3.91E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.77E-06 | 0.324 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.50E-08 | HLA-DRB1(dist=22499), HLA-DQA1(dist=25071) | intergenic |
| 6 | 32577590 | G | A | rs9271156 | 4.11E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.17E-06 | 0.325 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.51E-08 | HLA-DRB1(dist=19977), HLA-DQA1(dist=27593) | intergenic |
| 6 | 32580157 | C | T | rs9271248 | 3.91E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.80E-06 | 0.324 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.52E-08 | HLA-DRB1(dist=22544), HLA-DQA1(dist=32502) | intergenic |
| 6 | 32577733 | C | T | rs9271163 | 4.08E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.21E-06 | 0.324 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.53E-08 | HLA-DRB1(dist=20120), HLA-DQA1(dist=27450) | intergenic |
| 6 | 32572294 | G | T | rs386699450;rs9270917 | 3.87E-06 | 0.236 | 0.166 | 0.65 | 0.53 - 0.79 | 1.31E-03 | 0.217 | 0.159 | 0.68 | 0.54 - 0.86 | 0.62 | 9.54E-08 | HLA-DRB1(dist=14681), HLA-DQA1(dist=32889) | intergenic |
| 6 | 32568429 | C | T | rs9270753 | 4.11E-04 | 0.293 | 0.230 | 0.72 | 0.6 - 0.86 | 9.49E-06 | 0.324 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.57E-08 | HLA-DRB1(dist=10816), HLA-DQA1(dist=36754) | intergenic |
| 6 | 32580880 | G | A | rs2894378 | 3.98E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.70E-06 | 0.325 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.61E-08 | HLA-DRB1(dist=23267), HLA-DQA1(dist=24303) | intergenic |
| 6 | 32573754 | T | A | rs9270978 | 4.23E-04 | 0.294 | 0.230 | 0.72 | 0.6 - 0.86 | 9.06E-06 | 0.325 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.67E-08 | HLA-DRB1(dist=16141), HLA-DQA1(dist=31429) | intergenic |
| 6 | 32572326 | C | T | rs9270921 | 2.88E-04 | 0.300 | 0.235 | 0.72 | 0.6 - 0.86 | 1.59E-05 | 0.328 | 0.241 | 0.65 | 0.53 - 0.8 | 0.66 | 9.73E-08 | HLA-DRB1(dist=14713), HLA-DQA1(dist=32857) | intergenic |
| 6 | 32572322 | C | T | rs9270920 | 2.88E-04 | 0.300 | 0.235 | 0.72 | 0.6 - 0.86 | 1.59E-05 | 0.328 | 0.241 | 0.65 | 0.53 - 0.8 | 0.66 | 9.76E-08 | HLA-DRB1(dist=14709), HLA-DQA1(dist=32861) | intergenic |
| 6 | 32497278 | A | G | rs4601179 | 3.16E-07 | 0.300 | 0.228 | 0.69 | 0.57 - 0.82 | 6.87E-03 | 0.219 | 0.172 | 0.74 | 0.59 - 0.93 | 0.60 | 9.76E-08 | HLA-DRB5 | intronic |
| 6 | 32471960 | T | A | rs74654402 | 2.39E-05 | 0.232 | 0.293 | 0.73 | 0.6 - 0.88 | 2.68E-04 | 0.211 | 0.282 | 0.68 | 0.54 - 0.85 | 0.63 | 9.77E-08 | HLA-DRA(dist=59134), HLA-DRB5(dist=13194) | intergenic |
| 6 | 32570132 | C | A | rs9270827 | 3.91E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 1.03E-05 | 0.325 | 0.237 | 0.65 | 0.53 - 0.79 | 0.66 | 9.83E-08 | HLA-DRB1(dist=12519), HLA-DQA1(dist=35051) | intergenic |
| 6 | 32574994 | T | C | rs9271026 | 4.49E-04 | 0.315 | 0.253 | 0.73 | 0.61 - 0.88 | 8.94E-06 | 0.326 | 0.238 | 0.64 | 0.53 - 0.79 | 0.66 | 9.84E-08 | HLA-DRB1(dist=17381), HLA-DQA1(dist=30189) | intergenic |
| 6 | 32524291 | C | A | rs67776298 | 1.64E-06 | 0.298 | 0.230 | 0.70 | 0.59 - 0.84 | 2.15E-03 | 0.254 | 0.202 | 0.74 | 0.6 - 0.92 | 0.60 | 9.91E-08 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32571201 | G | A | rs9270873 | 4.10E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.65E-06 | 0.324 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.92E-08 | HLA-DRB1(dist=13588), HLA-DQA1(dist=33982) | intergenic |
| 6 | 32570849 | G | A | rs9270857 | 4.17E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.53E-06 | 0.325 | 0.237 | 0.64 | 0.53 - 0.79 | 0.66 | 9.98E-08 | HLA-DRB1(dist=13236), HLA-DQA1(dist=34334) | intergenic |
| 6 | 32573780 | A | G | rs9270979 | 4.38E-04 | 0.294 | 0.230 | 0.72 | 0.6 - 0.86 | 9.00E-06 | 0.325 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 9.99E-08 | HLA-DRB1(dist=16167), HLA-DQA1(dist=31403) | intergenic |
| 6 | 32512310 | T | C | rs66954331;rs142650606 | 1.42E-03 | 0.528 | 0.475 | 0.81 | 0.69 - 0.95 | 1.70E-06 | 0.508 | 0.408 | 0.67 | 0.55 - 0.81 | 0.65 | 1.00E-07 | HLA-DRB5(dist=14304), HLA-DRB6(dist=8180) | intergenic |
| 6 | 32577715 | G | T | rs386699459;rs9271162 | 4.08E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.75E-06 | 0.323 | 0.235 | 0.64 | 0.53 - 0.79 | 0.66 | 1.00E-07 | HLA-DRB1(dist=20102), HLA-DQA1(dist=27468) | intergenic |
| 6 | 32573543 | C | T | rs9270967 | 4.26E-04 | 0.295 | 0.231 | 0.72 | 0.6 - 0.86 | 9.49E-06 | 0.325 | 0.237 | 0.64 | 0.53 - 0.79 | 0.66 | 1.01E-07 | HLA-DRB1(dist=15930), HLA-DQA1(dist=31640) | intergenic |
| 6 | 32568538 | A | G | rs9270756 | 4.41E-04 | 0.294 | 0.231 | 0.72 | 0.6 - 0.86 | 9.22E-06 | 0.325 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 1.01E-07 | HLA-DRB1(dist=10925), HLA-DQA1(dist=36645) | intergenic |
| 6 | 32575925 | G | A | rs9271077 | 4.27E-04 | 0.293 | 0.230 | 0.72 | 0.6 - 0.86 | 9.55E-06 | 0.325 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 1.01E-07 | HLA-DRB1(dist=18312), HLA-DQA1(dist=29258) | intergenic |
| 6 | 32575930 | C | T | rs9271078 | 4.27E-04 | 0.293 | 0.230 | 0.72 | 0.6 - 0.86 | 9.54E-06 | 0.325 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 1.01E-07 | HLA-DRB1(dist=18317), HLA-DQA1(dist=29253) | intergenic |
| 6 | 32570859 | C | T | rs9270858 | 4.17E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.75E-06 | 0.325 | 0.237 | 0.64 | 0.53 - 0.79 | 0.66 | 1.02E-07 | HLA-DRB1(dist=13246), HLA-DQA1(dist=34324) | intergenic |
| 6 | 32575852 | A | G | rs9271075 | 4.28E-04 | 0.293 | 0.229 | 0.72 | 0.6 - 0.86 | 9.55E-06 | 0.325 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 1.02E-07 | HLA-DRB1(dist=18239), HLA-DQA1(dist=29331) | intergenic |
| 6 | 32577889 | T | C | rs9271170 | 4.33E-04 | 0.292 | 0.228 | 0.72 | 0.6 - 0.86 | 9.35E-06 | 0.325 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 1.02E-07 | HLA-DRB1(dist=20276), HLA-DQA1(dist=27294) | intergenic |
| 6 | 32575849 | G | T | rs9271074 | 4.28E-04 | 0.293 | 0.229 | 0.72 | 0.6 - 0.86 | 9.56E-06 | 0.325 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 1.02E-07 | HLA-DRB1(dist=18236), HLA-DQA1(dist=29334) | intergenic |
| 6 | 32575290 | T | C | rs9271051 | 4.51E-04 | 0.297 | 0.234 | 0.72 | 0.6 - 0.86 | 8.92E-06 | 0.325 | 0.236 | 0.64 | 0.53 - 0.79 | 0.66 | 1.02E-07 | HLA-DRB1(dist=17677), HLA-DQA1(dist=29893) | intergenic |
| 6 | 32575873 | | | | | | | | | | | | | | | | | |

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|---|----------|---|---|---|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32575406 | A | T | rs9271058 | 4.45E-04 | 0.294 | 0.230 | 0.72 | 0.6 | -0.86 | 9.17E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.03E-07 | HLA-DRB1(dist=17793), HLA-DQA1(dist=29777) | intergenic |
| 6 | 32575631 | A | G | rs9271066 | 4.31E-04 | 0.294 | 0.230 | 0.72 | 0.6 | -0.86 | 9.62E-06 | 0.326 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 1.03E-07 | HLA-DRB1(dist=18018), HLA-DQA1(dist=29552) | intergenic |
| 6 | 32573621 | C | T | rs9270972 | 4.55E-04 | 0.294 | 0.230 | 0.72 | 0.6 | -0.86 | 8.95E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.03E-07 | HLA-DRB1(dist=16008), HLA-DQA1(dist=31562) | intergenic |
| 6 | 32573598 | T | C | rs9270971 | 4.56E-04 | 0.294 | 0.230 | 0.72 | 0.6 | -0.86 | 8.94E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.04E-07 | HLA-DRB1(dist=15985), HLA-DQA1(dist=31585) | intergenic |
| 6 | 32575275 | G | A | rs9271050 | 4.73E-04 | 0.296 | 0.233 | 0.72 | 0.6 | -0.87 | 8.58E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.04E-07 | HLA-DRB1(dist=17662), HLA-DQA1(dist=29908) | intergenic |
| 6 | 32573554 | C | T | rs9270968 | 4.42E-04 | 0.294 | 0.231 | 0.72 | 0.6 | -0.86 | 9.41E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 1.04E-07 | HLA-DRB1(dist=15941), HLA-DQA1(dist=31629) | intergenic |
| 6 | 32575265 | T | C | rs9271049 | 4.74E-04 | 0.297 | 0.234 | 0.72 | 0.6 | -0.87 | 8.59E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.04E-07 | HLA-DRB1(dist=17652), HLA-DQA1(dist=29918) | intergenic |
| 6 | 32577474 | T | C | rs9271151 | 4.69E-04 | 0.295 | 0.231 | 0.72 | 0.6 | -0.86 | 8.67E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 1.04E-07 | HLA-DRB1(dist=19861), HLA-DQA1(dist=27709) | intergenic |
| 6 | 32573973 | T | C | rs9270983 | 4.52E-04 | 0.293 | 0.230 | 0.72 | 0.6 | -0.86 | 9.20E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.05E-07 | HLA-DRB1(dist=16360), HLA-DQA1(dist=31210) | intergenic |
| 6 | 32620800 | A | G | rs17843620;rs20213089 | 4.89E-05 | 0.293 | 0.368 | 0.71 | 0.6 | -0.85 | 1.42E-04 | 0.286 | 0.372 | 0.68 | 0.55 | -0.83 | 0.68 | 1.05E-07 | HLA-DQA1(dist=9371), HLA-DQB1(dist=6441) | intergenic |
| 6 | 32574027 | T | C | rs9270985 | 4.54E-04 | 0.293 | 0.230 | 0.72 | 0.6 | -0.86 | 9.23E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.06E-07 | HLA-DRB1(dist=16414), HLA-DQA1(dist=31156) | intergenic |
| 6 | 32458289 | T | A | rs80172909 | 3.28E-05 | 0.445 | 0.382 | 0.77 | 0.65 | -0.91 | 2.16E-04 | 0.442 | 0.370 | 0.74 | 0.62 | -0.9 | 0.63 | 1.07E-07 | HLA-DRA(dist=45463), HLA-DRB5(dist=26865) | intergenic |
| 6 | 32512506 | A | G | rs72492318 | 1.55E-06 | 0.243 | 0.179 | 0.68 | 0.56 | -0.83 | 2.45E-03 | 0.198 | 0.146 | 0.69 | 0.55 | -0.88 | 0.59 | 1.07E-07 | HLA-DRB5(dist=14500), HLA-DRB6(dist=7984) | intergenic |
| 6 | 32574127 | T | C | rs9270987;rs386699452 | 4.55E-04 | 0.293 | 0.230 | 0.72 | 0.6 | -0.86 | 9.32E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.07E-07 | HLA-DRB1(dist=16514), HLA-DQA1(dist=31056) | intergenic |
| 6 | 32575749 | C | T | rs386699456;rs9271072 | 4.32E-04 | 0.294 | 0.230 | 0.72 | 0.6 | -0.86 | 1.01E-05 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 1.07E-07 | HLA-DRB1(dist=18136), HLA-DQA1(dist=29434) | intergenic |
| 6 | 32573560 | A | G | rs9270969 | 4.61E-04 | 0.294 | 0.231 | 0.72 | 0.6 | -0.86 | 9.24E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 1.07E-07 | HLA-DRB1(dist=15947), HLA-DQA1(dist=31623) | intergenic |
| 6 | 32573289 | G | A | rs9270961 | 5.18E-04 | 0.332 | 0.270 | 0.74 | 0.63 | -0.89 | 8.36E-06 | 0.331 | 0.243 | 0.65 | 0.53 | -0.79 | 0.66 | 1.08E-07 | HLA-DRB1(dist=15676), HLA-DQA1(dist=31894) | intergenic |
| 6 | 32577907 | C | T | rs9271171;rs386699460 | 4.57E-04 | 0.292 | 0.229 | 0.72 | 0.6 | -0.86 | 9.35E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.08E-07 | HLA-DRB1(dist=20294), HLA-DQA1(dist=27276) | intergenic |
| 6 | 32543610 | T | A | rs9269519 | 7.68E-04 | 0.323 | 0.270 | 0.78 | 0.65 | -0.92 | 5.85E-06 | 0.327 | 0.245 | 0.67 | 0.55 | -0.82 | 0.63 | 1.08E-07 | HLA-DRB6(dist=15831), HLA-DRB1(dist=2937) | intergenic |
| 6 | 32567375 | A | G | rs9270711 | 5.38E-04 | 0.340 | 0.279 | 0.75 | 0.63 | -0.89 | 8.03E-06 | 0.336 | 0.247 | 0.65 | 0.53 | -0.79 | 0.66 | 1.08E-07 | HLA-DRB1(dist=9762), HLA-DQA1(dist=37808) | intergenic |
| 6 | 32516526 | G | T | rs62405636 | 1.59E-06 | 0.233 | 0.170 | 0.68 | 0.55 | -0.82 | 2.43E-03 | 0.195 | 0.144 | 0.70 | 0.55 | -0.88 | 0.59 | 1.09E-07 | HLA-DRB5(dist=18520), HLA-DRB6(dist=3964) | intergenic |
| 6 | 32606665 | C | T | rs386699545;rs9272533 | 1.18E-04 | 0.334 | 0.402 | 0.75 | 0.63 | -0.89 | 5.84E-05 | 0.358 | 0.454 | 0.67 | 0.55 | -0.81 | 0.68 | 1.09E-07 | HLA-DQA1 | intronic |
| 6 | 32575319 | C | T | rs9271053 | 4.55E-04 | 0.298 | 0.234 | 0.72 | 0.6 | -0.87 | 9.94E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 1.11E-07 | HLA-DRB1(dist=17706), HLA-DQA1(dist=29864) | intergenic |
| 6 | 32578297 | A | G | rs9271186 | 4.62E-04 | 0.294 | 0.231 | 0.72 | 0.6 | -0.86 | 9.67E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.11E-07 | HLA-DRB1(dist=20684), HLA-DQA1(dist=26886) | intergenic |
| 6 | 32565447 | T | C | rs9270627 | 6.55E-04 | 0.314 | 0.253 | 0.74 | 0.62 | -0.88 | 6.15E-06 | 0.346 | 0.257 | 0.65 | 0.53 | -0.79 | 0.66 | 1.11E-07 | HLA-DRB1(dist=7834), HLA-DQA1(dist=39736) | intergenic |
| 6 | 32573574 | C | T | rs9270970 | 4.61E-04 | 0.294 | 0.230 | 0.72 | 0.6 | -0.86 | 9.58E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.11E-07 | HLA-DRB1(dist=15961), HLA-DQA1(dist=31609) | intergenic |
| 6 | 32572461 | G | T | rs9270928 | 4.95E-06 | 0.227 | 0.157 | 0.64 | 0.52 | -0.78 | 1.27E-03 | 0.215 | 0.158 | 0.68 | 0.54 | -0.86 | 0.62 | 1.11E-07 | HLA-DRB1(dist=14848), HLA-DQA1(dist=32722) | intergenic |
| 6 | 32576795 | C | T | rs9271117 | 4.90E-04 | 0.332 | 0.271 | 0.75 | 0.63 | -0.89 | 9.55E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.11E-07 | HLA-DRB1(dist=19182), HLA-DQA1(dist=28388) | intergenic |
| 6 | 32569335 | C | T | rs9270800 | 5.43E-04 | 0.343 | 0.282 | 0.75 | 0.63 | -0.9 | 8.61E-06 | 0.370 | 0.281 | 0.67 | 0.55 | -0.81 | 0.66 | 1.12E-07 | HLA-DRB1(dist=11722), HLA-DQA1(dist=35848) | intergenic |
| 6 | 32572659 | C | G | rs9270933 | 4.47E-04 | 0.293 | 0.230 | 0.72 | 0.6 | -0.86 | 1.02E-05 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.12E-07 | HLA-DRB1(dist=15046), HLA-DQA1(dist=32524) | intergenic |
| 6 | 32576796 | A | G | rs9271118 | 4.90E-04 | 0.332 | 0.271 | 0.75 | 0.63 | -0.89 | 9.72E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 1.12E-07 | HLA-DRB1(dist=19183), HLA-DQA1(dist=28387) | intergenic |
| 6 | 32553705 | A | G | rs9270048 | 5.86E-06 | 0.267 | 0.201 | 0.69 | 0.57 | -0.83 | 1.09E-03 | 0.218 | 0.161 | 0.68 | 0.55 | -0.86 | 0.61 | 1.13E-07 | HLA-DRB1 | intronic |
| 6 | 32620909 | A | G | rs17843625 | 5.24E-05 | 0.292 | 0.366 | 0.71 | 0.6 | -0.85 | 1.43E-04 | 0.285 | 0.371 | 0.67 | 0.55 | -0.83 | 0.68 | 1.13E-07 | HLA-DQA1(dist=9480), HLA-DQB1(dist=6332) | intergenic |
| 6 | 32572547 | A | T | rs9270931 | 4.46E-04 | 0.293 | 0.230 | 0.72 | 0.6 | -0.86 | 1.04E-05 | 0.324 | 0.237 | 0.65 | 0.53 | -0.79 | 0.66 | 1.13E-07 | HLA-DRB1(dist=14934), HLA-DQA1(dist=32636) | intergenic |
| 6 | 32553160 | T | G | rs112747670 | 9.40E-06 | 0.095 | 0.146 | 0.61 | 0.47 | -0.8 | 7.30E-04 | 0.094 | 0.146 | 0.61 | 0.44 | -0.83 | 0.55 | 1.13E-07 | HLA-DRB1 | intronic |
| 6 | 32575309 | T | C | rs9271052 | 4.72E-04 | 0.297 | 0.234 | 0.72 | 0.6 | -0.87 | 9.79E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 1.14E-07 | HLA-DRB1(dist=17696), HLA-DQA1(dist=29874) | intergenic |
| 6 | 32484405 | G | C | rs112317231 | 5.56E-06 | 0.279 | 0.344 | 0.74 | 0.62 | -0.88 | 9.97E-04 | 0.359 | 0.427 | 0.75 | 0.62 | -0.91 | 0.62 | 1.14E-07 | HLA-DRB5 | downstream |
| 6 | 32481267 | A | T | rs112929548 | 9.27E-07 | 0.327 | 0.322 | 0.72 | 0.61 | -0.85 | 4.90E-03 | 0.270 | 0.219 | 0.76 | 0.61 | -0.94 | 0.62 | 1.14E-07 | HLA-DRA(dist=68441), HLA-DRB5(dist=3887) | intergenic |
| 6 | 32469793 | T | C | rs74580628 | 7.50E-06 | 0.405 | 0.483 | 0.73 | 0.62 | -0.86 | 9.40E-04 | 0.428 | 0.498 | 0.75 | 0.62 | -0.91 | 0.66 | 1.15E-07 | HLA-DRA(dist=56967), HLA-DRB5(dist=15361) | intergenic |
| 6 | 32647098 | C | T | rs565113427 | 1.47E-05 | 0.517 | 0.439 | 0.73 | 0.62 | -0.86 | 4.94E-04 | 0.515 | 0.431 | 0.71 | 0.59 | -0.86 | 0.68 | 1.15E-07 | HLA-DQB1(dist=12632), HLA-DQA2(dist=62065) | intergenic |
| 6 | 32550150 | A | G | rs200463001;rs9269840 | 4.68E-06 | 0.252 | 0.187 | 0.69 | 0.57 | -0.83 | 1.38E-03 | 0.204 | 0.151 | 0.69 | 0.55 | -0.88 | 0.60 | 1.15E-07 | HLA-DRB1 | intronic |
| 6 | 32567380 | T | C | rs386699443;rs9270712;rs375432544;rs386699444 | 4.10E-04 | 0.344 | 0.281 | 0.75 | 0.63 | -0.89 | 1.29E-05 | 0.340 | 0.253 | 0.66 | 0.54 | -0.8 | 0.66 | 1.15E-07 | HLA-DRB1(dist=9767), HLA-DQA1(dist=37803) | intergenic |
| 6 | 32551453 | G | T | rs9269915 | 9.60E-06 | 0.228 | 0.171 | 0.70 | 0.57 | -0.85 | 6.86E-04 | 0.207 | 0.151 | 0.68 | 0.54 | -0.86 | 0.58 | 1.15E-07 | HLA-DRB1 | intronic |
| 6 | 32514185 | T | A | rs71534542 | 1.84E-06 | 0.236 | 0.173 | 0.68 | 0.56 | -0.82 | 2.36E-03 | 0.197 | 0.146 | 0.69 | 0.55 | -0.88 | 0.59 | 1.16E-07 | HLA-DRB5(dist=16179), HLA-DRB6(dist=6305) | intergenic |
| 6 | 32526116 | G | C | rs115428373 | 2.20E-04 | 0.450 | 0.387 | 0.77 | 0.65 | -0.91 | 3.20E-05 | 0.410 | 0.321 | 0.68 | 0.56 | -0.83 | 0.66 | 1.16E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32648500 | G | T | rs3129781;rs386699622 | 1.59E-06 | 0.207 | 0.142 | 0.63 | 0.51 | -0.78 | 3.03E-03 | 0.192 | 0.143 | 0.70 | 0.55 | -0.9 | 0.60 | 1.16E-07 | HLA-DQB1(dist=14034), HLA-DQA2(dist=60663) | intergenic |
| 6 | 32566577 | C | T | rs4329147 | 5.63E-06 | 0.227 | 0.159 | 0.64 | 0.53 | -0.78 | 1.18E-03 | 0.216 | 0.158 | 0.68 | 0.54 | -0.86 | 0.62 | 1.16E-07 | HLA-DRB1(dist=8964), HLA-DQA1(dist=38606) | intergenic |
| 6 | 32514248 | A | T | rs67255973 | 1.86E-06 | 0.236 | 0.173 | 0.68 | 0.56 | -0.82 | 2.35E-03 | 0.198 | 0.146 | 0.69 | 0.55 | -0.88 | 0.59 | 1.16E-07 | HLA-DRB5(dist=16242), HLA-DRB6(dist=6242) | intergenic |
| 6 | 32510769 | C | T | rs376873017;rs112628749 | 3.37E-04 | 0.150 | 0.199 | 0.71 | 0.57 | -0.89 | 1.61E-05 | 0.131 | 0.205 | 0.59 | 0.45 | -0.77 | 0.60 | 1.16E-07 | HLA-DRB5(dist=12763), HLA-DRB6(dist=9721) | intergenic |
| 6 | 32573713 | C | A | rs9270974 | 4.99E-04 | 0.296 | 0.232 | 0.72 | 0.6 | -0.87 | 9.28E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.17E-07 | HLA-DRB1(dist=16100), HLA-DQA1(dist=31470) | intergenic |
| 6 | 32576052 | G | C | rs9271079 | 5.04E-04 | 0.296 | 0.233 | 0.72 | 0.6 | -0.87 | 9.16E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.17E-07 | HLA-DRB1(dist=18439), HLA-DQA1(dist=29131) | intergenic |
| 6 | 32569250 | C | T | rs9270793 | 5.93E-04 | 0.409 | 0.354 | 0.79 | 0.67 | -0.93 | 1.02E-05 | 0.416 | 0.328 | 0.68 | 0.56 | -0.83 | 0.65 | 1.17E-07 | HLA-DRB1(dist=11637), HLA-DQA1(dist=35933) | intergenic |
| 6 | 32578357 | C | T | rs9271189 | 5.29E-04 | 0.293 | 0.230 | 0.72 | 0.6 | -0.87 | 8.57E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.18E-07 | HLA-DRB1(dist=20744), HLA-DQA1(dist=26826) | intergenic |
| 6 | 32519108 | G | C | rs28639433 | 1.31E-06 | 0.231 | 0.168 | 0.67 | 0.55 | -0.82 | 2.92E-03 | 0.196 | 0.146 | 0.70 | 0.55 | -0.89 | 0.59 | 1.19E-07 | HLA-DRB5(dist=21102), HLA-DRB6(dist=1382) | intergenic |
| 6 | 32517293 | T | C | rs67965605 | 1.52E-06 | 0.243 | 0.179 | 0.68 | 0.56 | -0.82 | 2.80E-03 | 0.196 | 0. | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|----------|---|---|---|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32507752 | T | G | rs67382147 | 3.85E-06 | 0.250 | 0.186 | 0.69 | 0.57 | -0.83 | 1.66E-03 | 0.198 | 0.146 | 0.69 | 0.55 | -0.88 | 0.60 | 1.28E-07 | HLA-DRB5(dist=9746), HLA-DRB6(dist=12738) | intergenic |
| 6 | 32520816 | G | C | rs58495148 | 8.25E-07 | 0.224 | 0.162 | 0.67 | 0.55 | -0.82 | 4.26E-03 | 0.184 | 0.139 | 0.71 | 0.56 | -0.91 | 0.58 | 1.28E-07 | HLA-DRB6 | ncRNA_exonic |
| 6 | 32581502 | C | T | rs386699462;rs3104416 | 5.35E-04 | 0.296 | 0.234 | 0.72 | 0.6 | -0.87 | 9.49E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.29E-07 | HLA-DRB1(dist=23889), HLA-DQA1(dist=23681) | intergenic |
| 6 | 32506982 | A | G | rs79468266 | 4.44E-06 | 0.256 | 0.194 | 0.70 | 0.58 | -0.85 | 1.52E-03 | 0.203 | 0.151 | 0.70 | 0.55 | -0.88 | 0.59 | 1.29E-07 | HLA-DRB5(dist=8976), HLA-DRB6(dist=13508) | intergenic |
| 6 | 32540551 | G | C | rs9269351 | 5.30E-04 | 0.361 | 0.303 | 0.77 | 0.65 | -0.91 | 9.09E-06 | 0.314 | 0.233 | 0.67 | 0.54 | -0.81 | 0.64 | 1.30E-07 | HLA-DRB6(dist=12772), HLA-DRB1(dist=5996) | intergenic |
| 6 | 32540552 | T | C | rs9269352 | 5.30E-04 | 0.361 | 0.303 | 0.77 | 0.65 | -0.91 | 9.09E-06 | 0.314 | 0.233 | 0.67 | 0.54 | -0.81 | 0.64 | 1.30E-07 | HLA-DRB6(dist=12773), HLA-DRB1(dist=5995) | intergenic |
| 6 | 32580446 | G | A | rs9271258 | 6.62E-04 | 0.291 | 0.230 | 0.73 | 0.61 | -0.87 | 7.40E-06 | 0.325 | 0.236 | 0.64 | 0.52 | -0.78 | 0.66 | 1.31E-07 | HLA-DRB1(dist=22833), HLA-DQA1(dist=24737) | intergenic |
| 6 | 32580507 | A | C | rs9271260 | 4.75E-04 | 0.293 | 0.230 | 0.72 | 0.6 | -0.86 | 1.14E-05 | 0.324 | 0.236 | 0.65 | 0.53 | -0.79 | 0.66 | 1.31E-07 | HLA-DRB1(dist=22894), HLA-DQA1(dist=24676) | intergenic |
| 6 | 32580411 | A | G | rs9271256 | 6.25E-06 | 0.222 | 0.154 | 0.64 | 0.52 | -0.78 | 1.23E-03 | 0.214 | 0.156 | 0.68 | 0.54 | -0.86 | 0.62 | 1.31E-07 | HLA-DRB1(dist=22798), HLA-DQA1(dist=24772) | intergenic |
| 6 | 32570839 | A | G | rs386699449;rs9270856 | 5.42E-04 | 0.292 | 0.230 | 0.72 | 0.6 | -0.87 | 9.59E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 1.32E-07 | HLA-DRB1(dist=13226), HLA-DQA1(dist=34344) | intergenic |
| 6 | 32576076 | C | T | rs9271080 | 6.46E-06 | 0.236 | 0.167 | 0.65 | 0.53 | -0.79 | 1.23E-03 | 0.216 | 0.158 | 0.68 | 0.54 | -0.86 | 0.62 | 1.32E-07 | HLA-DRB1(dist=18463), HLA-DQA1(dist=29107) | intergenic |
| 6 | 32456262 | C | G | rs200016825;rs77490899 | 1.87E-05 | 0.386 | 0.454 | 0.76 | 0.64 | -0.9 | 4.67E-04 | 0.567 | 0.493 | 0.74 | 0.61 | -0.9 | 0.65 | 1.32E-07 | HLA-DRA(dist=43436), HLA-DRB5(dist=28892) | intergenic |
| 6 | 32506681 | C | A | rs75466806 | 6.21E-05 | 0.160 | 0.218 | 0.68 | 0.55 | -0.85 | 1.43E-04 | 0.154 | 0.227 | 0.62 | 0.48 | -0.8 | 0.63 | 1.33E-07 | HLA-DRB5(dist=8675), HLA-DRB6(dist=13809) | intergenic |
| 6 | 32555253 | A | C | rs9270142 | 7.51E-06 | 0.234 | 0.171 | 0.67 | 0.55 | -0.82 | 1.09E-03 | 0.202 | 0.149 | 0.69 | 0.55 | -0.87 | 0.60 | 1.35E-07 | HLA-DRB1 | intronic |
| 6 | 32567381 | G | A | rs386699443;rs375432544;rs386699444;rs9270713 | 4.63E-04 | 0.342 | 0.280 | 0.75 | 0.63 | -0.89 | 1.34E-05 | 0.342 | 0.255 | 0.66 | 0.54 | -0.8 | 0.66 | 1.35E-07 | HLA-DRB1(dist=9768), HLA-DQA1(dist=37802) | intergenic |
| 6 | 32520338 | A | G | rs67077728 | 8.69E-07 | 0.220 | 0.158 | 0.67 | 0.54 | -0.81 | 4.28E-03 | 0.180 | 0.134 | 0.71 | 0.55 | -0.9 | 0.58 | 1.35E-07 | HLA-DRB6 | downstream |
| 6 | 32548403 | G | A | rs28732275 | 1.45E-04 | 0.111 | 0.151 | 0.70 | 0.54 | -0.9 | 5.36E-05 | 0.096 | 0.150 | 0.60 | 0.44 | -0.82 | 0.53 | 1.35E-07 | HLA-DRB1 | intronic |
| 6 | 32542086 | A | T | rs9269454 | 1.01E-03 | 0.317 | 0.264 | 0.78 | 0.65 | -0.93 | 5.39E-06 | 0.320 | 0.235 | 0.65 | 0.53 | -0.8 | 0.64 | 1.35E-07 | HLA-DRB6(dist=14307), HLA-DRB1(dist=4461) | intergenic |
| 6 | 32517489 | T | G | rs67048162 | 2.01E-06 | 0.233 | 0.171 | 0.68 | 0.56 | -0.83 | 2.53E-03 | 0.196 | 0.145 | 0.70 | 0.55 | -0.89 | 0.59 | 1.36E-07 | HLA-DRB5(dist=19483), HLA-DRB6(dist=3001) | intergenic |
| 6 | 32575369 | G | T | rs9271055 | 7.23E-06 | 0.225 | 0.156 | 0.64 | 0.52 | -0.78 | 1.15E-03 | 0.216 | 0.158 | 0.68 | 0.54 | -0.86 | 0.62 | 1.36E-07 | HLA-DRB1(dist=17756), HLA-DQA1(dist=29814) | intergenic |
| 6 | 32577011 | A | G | rs9271136 | 4.86E-04 | 0.377 | 0.316 | 0.76 | 0.65 | -0.91 | 1.30E-05 | 0.372 | 0.286 | 0.67 | 0.56 | -0.82 | 0.66 | 1.37E-07 | HLA-DRB1(dist=19399), HLA-DQA1(dist=28172) | intergenic |
| 6 | 32584625 | A | G | rs3129758 | 1.53E-03 | 0.420 | 0.354 | 0.76 | 0.64 | -0.9 | 1.85E-06 | 0.464 | 0.358 | 0.64 | 0.53 | -0.78 | 0.70 | 1.39E-07 | HLA-DRB1(dist=27012), HLA-DQA1(dist=20558) | intergenic |
| 6 | 32514457 | C | T | rs67426377 | 5.04E-04 | 0.326 | 0.270 | 0.77 | 0.64 | -0.91 | 1.50E-05 | 0.334 | 0.250 | 0.67 | 0.55 | -0.81 | 0.64 | 1.40E-07 | HLA-DRB5(dist=16451), HLA-DRB6(dist=6033) | intergenic |
| 6 | 32484651 | A | C | rs76153169 | 1.08E-06 | 0.393 | 0.473 | 0.72 | 0.61 | -0.85 | 4.93E-03 | 0.530 | 0.469 | 0.78 | 0.65 | -0.94 | 0.66 | 1.41E-07 | HLA-DRB5 | downstream |
| 6 | 32571932 | A | G | rs9270900 | 3.55E-04 | 0.377 | 0.473 | 0.74 | 0.62 | -0.88 | 2.02E-05 | 0.345 | 0.258 | 0.66 | 0.54 | -0.81 | 0.67 | 1.42E-07 | HLA-DRB1(dist=14319), HLA-DQA1(dist=33251) | intergenic |
| 6 | 32565438 | C | G | rs9270625 | 7.28E-04 | 0.310 | 0.249 | 0.74 | 0.62 | -0.88 | 7.24E-06 | 0.332 | 0.243 | 0.65 | 0.53 | -0.79 | 0.66 | 1.43E-07 | HLA-DRB1(dist=7825), HLA-DQA1(dist=39745) | intergenic |
| 6 | 32522339 | A | G | rs36192217 | 1.76E-06 | 0.234 | 0.172 | 0.68 | 0.56 | -0.83 | 2.79E-03 | 0.197 | 0.146 | 0.70 | 0.55 | -0.88 | 0.59 | 1.43E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32574060 | A | C | rs9270986 | 7.06E-06 | 0.225 | 0.156 | 0.64 | 0.52 | -0.78 | 1.23E-03 | 0.215 | 0.158 | 0.68 | 0.54 | -0.86 | 0.62 | 1.44E-07 | HLA-DRB1(dist=16447), HLA-DQA1(dist=31123) | intergenic |
| 6 | 32574954 | T | C | rs9271024 | 6.82E-04 | 0.320 | 0.259 | 0.74 | 0.62 | -0.89 | 8.36E-06 | 0.327 | 0.238 | 0.64 | 0.53 | -0.79 | 0.66 | 1.44E-07 | HLA-DRB1(dist=17341), HLA-DQA1(dist=30229) | intergenic |
| 6 | 32568200 | G | C | rs9270742 | 4.55E-04 | 0.376 | 0.314 | 0.76 | 0.64 | -0.9 | 1.44E-05 | 0.339 | 0.253 | 0.66 | 0.54 | -0.81 | 0.66 | 1.45E-07 | HLA-DRB1(dist=10587), HLA-DQA1(dist=36983) | intergenic |
| 6 | 32577785 | A | G | rs9271165 | 6.32E-04 | 0.308 | 0.247 | 0.74 | 0.62 | -0.88 | 9.20E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.66 | 1.46E-07 | HLA-DRB1(dist=20172), HLA-DQA1(dist=27398) | intergenic |
| 6 | 32574676 | A | G | rs9271011 | 6.32E-04 | 0.307 | 0.246 | 0.74 | 0.62 | -0.88 | 8.00E-06 | 0.326 | 0.237 | 0.64 | 0.53 | -0.78 | 0.66 | 1.46E-07 | HLA-DRB1(dist=17063), HLA-DQA1(dist=30507) | intergenic |
| 6 | 32522389 | T | G | rs36149991 | 1.79E-06 | 0.236 | 0.174 | 0.68 | 0.56 | -0.83 | 2.83E-03 | 0.196 | 0.146 | 0.70 | 0.55 | -0.89 | 0.59 | 1.47E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32340374 | T | A | rs77709710 | 1.96E-05 | 0.217 | 0.155 | 1.51 | 1.24 | -1.86 | 5.22E-04 | 0.203 | 0.138 | 1.59 | 1.25 | -2.01 | 1.61 | 1.48E-07 | C6orf10 | upstream |
| 6 | 32578885 | T | C | rs9271203 | 7.67E-06 | 0.224 | 0.156 | 0.64 | 0.52 | -0.78 | 1.19E-03 | 0.215 | 0.158 | 0.68 | 0.54 | -0.86 | 0.62 | 1.48E-07 | HLA-DRB1(dist=21272), HLA-DQA1(dist=26298) | intergenic |
| 6 | 32522434 | T | G | rs35570280 | 2.43E-06 | 0.230 | 0.169 | 0.68 | 0.56 | -0.83 | 2.33E-03 | 0.195 | 0.144 | 0.69 | 0.55 | -0.88 | 0.59 | 1.48E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32579951 | C | T | rs9271243 | 6.04E-04 | 0.293 | 0.230 | 0.72 | 0.6 | -0.87 | 9.65E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.67 | 1.48E-07 | HLA-DRB1(dist=22338), HLA-DQA1(dist=25232) | intergenic |
| 6 | 32576086 | T | C | rs9271082 | 7.42E-06 | 0.240 | 0.171 | 0.66 | 0.54 | -0.8 | 1.23E-03 | 0.216 | 0.158 | 0.68 | 0.54 | -0.86 | 0.63 | 1.49E-07 | HLA-DRB1(dist=18473), HLA-DQA1(dist=29097) | intergenic |
| 6 | 32513575 | G | T | rs35997662 | 1.40E-06 | 0.221 | 0.161 | 0.68 | 0.55 | -0.83 | 3.34E-03 | 0.181 | 0.133 | 0.70 | 0.55 | -0.89 | 0.58 | 1.49E-07 | HLA-DRB5(dist=15569), HLA-DRB6(dist=6915) | intergenic |
| 6 | 32577784 | C | T | rs9271164 | 6.30E-04 | 0.308 | 0.246 | 0.74 | 0.62 | -0.88 | 9.40E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.66 | 1.49E-07 | HLA-DRB1(dist=20171), HLA-DQA1(dist=27399) | intergenic |
| 6 | 32534028 | T | C | rs79433911 | 4.19E-06 | 0.271 | 0.204 | 0.69 | 0.57 | -0.83 | 1.92E-03 | 0.212 | 0.158 | 0.70 | 0.56 | -0.88 | 0.61 | 1.49E-07 | HLA-DRB6(dist=6249), HLA-DRB1(dist=12519) | intergenic |
| 6 | 32577531 | T | C | rs9271152 | 7.14E-06 | 0.225 | 0.156 | 0.64 | 0.52 | -0.78 | 1.29E-03 | 0.215 | 0.158 | 0.68 | 0.54 | -0.86 | 0.63 | 1.53E-07 | HLA-DRB1(dist=19918), HLA-DQA1(dist=27652) | intergenic |
| 6 | 32498134 | C | A | rs62405579 | 2.63E-06 | 0.272 | 0.207 | 0.70 | 0.58 | -0.85 | 2.44E-03 | 0.210 | 0.158 | 0.71 | 0.56 | -0.89 | 0.60 | 1.53E-07 | HLA-DRB5 | upstream |
| 6 | 32455502 | A | T | rs78031022 | 3.02E-05 | 0.295 | 0.360 | 0.74 | 0.62 | -0.89 | 3.52E-04 | 0.324 | 0.393 | 0.74 | 0.61 | -0.9 | 0.64 | 1.53E-07 | HLA-DRA(dist=42676), HLA-DRB5(dist=29652) | intergenic |
| 6 | 32575378 | T | C | rs9271056 | 7.45E-06 | 0.225 | 0.156 | 0.64 | 0.52 | -0.78 | 1.26E-03 | 0.215 | 0.158 | 0.68 | 0.54 | -0.86 | 0.63 | 1.54E-07 | HLA-DRB1(dist=17765), HLA-DQA1(dist=29805) | intergenic |
| 6 | 32572911 | A | G | rs9270944 | 6.17E-04 | 0.299 | 0.237 | 0.73 | 0.61 | -0.87 | 9.67E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.67 | 1.54E-07 | HLA-DRB1(dist=15298), HLA-DQA1(dist=32272) | intergenic |
| 6 | 32507296 | G | T | rs113795374 | 2.74E-06 | 0.293 | 0.225 | 0.70 | 0.58 | -0.84 | 2.59E-03 | 0.223 | 0.170 | 0.72 | 0.57 | -0.9 | 0.61 | 1.54E-07 | HLA-DRB5(dist=9290), HLA-DRB6(dist=13194) | intergenic |
| 6 | 32574250 | T | C | rs9270994 | 7.53E-06 | 0.225 | 0.156 | 0.64 | 0.52 | -0.78 | 1.26E-03 | 0.215 | 0.158 | 0.68 | 0.54 | -0.86 | 0.63 | 1.54E-07 | HLA-DRB1(dist=16637), HLA-DQA1(dist=30933) | intergenic |
| 6 | 32575544 | A | T | rs9271061 | 7.22E-06 | 0.225 | 0.156 | 0.64 | 0.52 | -0.78 | 1.30E-03 | 0.215 | 0.158 | 0.68 | 0.54 | -0.86 | 0.63 | 1.55E-07 | HLA-DRB1(dist=17931), HLA-DQA1(dist=29639) | intergenic |
| 6 | 32537511 | G | C | rs149318044 | 7.38E-04 | 0.379 | 0.321 | 0.78 | 0.66 | -0.92 | 9.35E-06 | 0.356 | 0.269 | 0.66 | 0.55 | -0.81 | 0.65 | 1.55E-07 | HLA-DRB6(dist=9732), H | |

| | | | | | | | | | | | | | | | | | | | | |
|---|----------|---|---|--|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32514030 | G | C | rs72844114 | 4.90E-04 | 0.324 | 0.269 | 0.77 | 0.64 | -0.91 | 1.89E-05 | 0.338 | 0.255 | 0.67 | 0.55 | -0.82 | 0.65 | 1.61E-07 | HLA-DRB5(dist=16024), HLA-DRB6(dist=6460) | intergenic |
| 6 | 32569158 | T | C | rs9270785 | 7.38E-04 | 0.356 | 0.298 | 0.77 | 0.65 | -0.91 | 9.49E-06 | 0.361 | 0.275 | 0.67 | 0.55 | -0.82 | 0.66 | 1.62E-07 | HLA-DRB1(dist=11545), HLA-DQA1(dist=36025) | intergenic |
| 6 | 32557127 | A | C | rs9270265 | 2.98E-04 | 0.296 | 0.239 | 0.75 | 0.62 | -0.89 | 2.85E-05 | 0.285 | 0.215 | 0.68 | 0.56 | -0.84 | 0.62 | 1.62E-07 | HLA-DRB1 | intronic |
| 6 | 32578941 | G | A | rs9271205 | 6.27E-04 | 0.295 | 0.233 | 0.73 | 0.61 | -0.87 | 1.02E-05 | 0.324 | 0.236 | 0.65 | 0.53 | -0.79 | 0.67 | 1.62E-07 | HLA-DRB1(dist=21328), HLA-DQA1(dist=26242) | intergenic |
| 6 | 32520707 | G | C | rs66723041 | 1.92E-06 | 0.232 | 0.170 | 0.68 | 0.56 | -0.83 | 2.97E-03 | 0.200 | 0.150 | 0.71 | 0.56 | -0.89 | 0.59 | 1.63E-07 | HLA-DRB6 | ncRNA_exonic |
| 6 | 32543923 | C | T | rs9269536 | 1.03E-03 | 0.232 | 0.271 | 0.78 | 0.65 | -0.93 | 6.75E-06 | 0.324 | 0.241 | 0.66 | 0.54 | -0.81 | 0.64 | 1.63E-07 | HLA-DRB6(dist=16144), HLA-DRB1(dist=2624) | intergenic |
| 6 | 32554351 | T | C | rs9270089 | 9.68E-06 | 0.211 | 0.155 | 0.68 | 0.56 | -0.84 | 9.78E-04 | 0.195 | 0.143 | 0.69 | 0.54 | -0.87 | 0.58 | 1.65E-07 | HLA-DRB1 | intronic |
| 6 | 32493017 | C | A | rs58427731 | 1.30E-05 | 0.310 | 0.245 | 0.72 | 0.6 | -0.86 | 8.40E-04 | 0.234 | 0.180 | 0.72 | 0.57 | -0.9 | 0.61 | 1.65E-07 | HLA-DRB5 | intronic |
| 6 | 32573442 | T | A | rs9270964 | 6.94E-04 | 0.307 | 0.247 | 0.74 | 0.62 | -0.88 | 9.46E-06 | 0.329 | 0.241 | 0.65 | 0.53 | -0.79 | 0.67 | 1.66E-07 | HLA-DRB1(dist=15829), HLA-DQA1(dist=31741) | intergenic |
| 6 | 32572757 | A | G | rs9270937 | 6.86E-04 | 0.298 | 0.236 | 0.73 | 0.61 | -0.87 | 9.24E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.67 | 1.66E-07 | HLA-DRB1(dist=15144), HLA-DQA1(dist=32426) | intergenic |
| 6 | 32545908 | G | A | rs35326463 | 1.04E-05 | 0.412 | 0.479 | 0.76 | 0.65 | -0.9 | 1.03E-03 | 0.393 | 0.452 | 0.79 | 0.65 | -0.95 | 0.62 | 1.66E-07 | HLA-DRB1 | downstream |
| 6 | 32575584 | A | G | rs9271063 | 6.78E-04 | 0.298 | 0.236 | 0.73 | 0.61 | -0.87 | 9.36E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.67 | 1.66E-07 | HLA-DRB1(dist=17971), HLA-DQA1(dist=29599) | intergenic |
| 6 | 32543733 | T | C | rs9269529;rs71535478 | 1.50E-03 | 0.315 | 0.264 | 0.78 | 0.65 | -0.93 | 4.14E-06 | 0.329 | 0.244 | 0.66 | 0.54 | -0.8 | 0.64 | 1.67E-07 | HLA-DRB6(dist=15954), HLA-DRB1(dist=2814) | intergenic |
| 6 | 32574438 | G | A | rs9270999 | 6.92E-04 | 0.298 | 0.236 | 0.73 | 0.61 | -0.87 | 9.30E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.67 | 1.68E-07 | HLA-DRB1(dist=16825), HLA-DQA1(dist=30745) | intergenic |
| 6 | 32566011 | C | A | rs9270656 | 6.64E-06 | 0.226 | 0.158 | 0.64 | 0.53 | -0.79 | 1.49E-03 | 0.215 | 0.158 | 0.69 | 0.55 | -0.86 | 0.62 | 1.68E-07 | HLA-DRB1(dist=8398), HLA-DQA1(dist=39172) | intergenic |
| 6 | 32512539 | C | T | rs66857824 | 1.71E-06 | 0.222 | 0.162 | 0.68 | 0.56 | -0.83 | 3.26E-03 | 0.180 | 0.133 | 0.70 | 0.55 | -0.89 | 0.58 | 1.68E-07 | HLA-DRB5(dist=14533), HLA-DRB6(dist=7951) | intergenic |
| 6 | 32572701 | A | G | rs9270935 | 6.93E-04 | 0.297 | 0.236 | 0.73 | 0.61 | -0.87 | 9.22E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.67 | 1.68E-07 | HLA-DRB1(dist=15088), HLA-DQA1(dist=32482) | intergenic |
| 6 | 32568096 | T | C | rs9270735 | 3.72E-04 | 0.382 | 0.319 | 0.76 | 0.64 | -0.9 | 2.29E-05 | 0.337 | 0.253 | 0.67 | 0.55 | -0.81 | 0.67 | 1.69E-07 | HLA-DRB1(dist=10483), HLA-DQA1(dist=37087) | intergenic |
| 6 | 32513883 | T | C | rs33998225 | 1.75E-06 | 0.224 | 0.164 | 0.68 | 0.56 | -0.83 | 3.27E-03 | 0.180 | 0.133 | 0.70 | 0.55 | -0.89 | 0.58 | 1.70E-07 | HLA-DRB5(dist=15877), HLA-DRB6(dist=6607) | intergenic |
| 6 | 32572961 | G | C | rs9270947 | 6.75E-04 | 0.315 | 0.253 | 0.74 | 0.62 | -0.88 | 9.57E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.67 | 1.70E-07 | HLA-DRB1(dist=15348), HLA-DQA1(dist=32222) | intergenic |
| 6 | 3256367 | G | A | rs9270206 | 6.68E-04 | 0.319 | 0.264 | 0.77 | 0.64 | -0.91 | 9.28E-06 | 0.292 | 0.214 | 0.66 | 0.54 | -0.81 | 0.64 | 1.71E-07 | HLA-DRB1 | intronic |
| 6 | 32575601 | A | G | rs9271064 | 6.94E-04 | 0.298 | 0.236 | 0.73 | 0.61 | -0.87 | 9.49E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.67 | 1.71E-07 | HLA-DRB1(dist=17988), HLA-DQA1(dist=29582) | intergenic |
| 6 | 32522650 | T | C | rs35455030 | 1.44E-06 | 0.221 | 0.160 | 0.67 | 0.55 | -0.82 | 3.84E-03 | 0.180 | 0.133 | 0.70 | 0.55 | -0.9 | 0.59 | 1.71E-07 | HLA-DRB6 | ncRNA_exonic |
| 6 | 32572975 | T | C | rs9270949 | 6.72E-04 | 0.315 | 0.253 | 0.74 | 0.62 | -0.88 | 9.73E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.67 | 1.73E-07 | HLA-DRB1(dist=15362), HLA-DQA1(dist=32208) | intergenic |
| 6 | 32572972 | C | T | rs9270948 | 6.74E-04 | 0.315 | 0.253 | 0.74 | 0.62 | -0.88 | 9.80E-06 | 0.325 | 0.237 | 0.64 | 0.53 | -0.79 | 0.67 | 1.73E-07 | HLA-DRB1(dist=15359), HLA-DQA1(dist=32211) | intergenic |
| 6 | 32456731 | G | T | rs78855616 | 5.74E-06 | 0.359 | 0.431 | 0.74 | 0.63 | -0.88 | 1.76E-03 | 0.561 | 0.495 | 0.77 | 0.64 | -0.93 | 0.65 | 1.73E-07 | HLA-DRA(dist=43905), HLA-DRB5(dist=28423) | intergenic |
| 6 | 32484807 | T | C | rs186378979 | 4.70E-06 | 0.273 | 0.339 | 0.73 | 0.61 | -0.88 | 1.90E-03 | 0.306 | 0.367 | 0.76 | 0.62 | -0.93 | 0.62 | 1.73E-07 | HLA-DRB5 | downstream |
| 6 | 32567306 | C | T | rs386699439;rs38669941;rs9270700;rs386699442 | 9.14E-06 | 0.278 | 0.210 | 0.69 | 0.58 | -0.83 | 1.17E-03 | 0.245 | 0.185 | 0.70 | 0.56 | -0.87 | 0.63 | 1.75E-07 | HLA-DRB1(dist=9693), HLA-DQA1(dist=37877) | intergenic |
| 6 | 32561794 | C | G | rs9270602 | 7.73E-06 | 0.219 | 0.154 | 0.65 | 0.53 | -0.8 | 1.30E-03 | 0.214 | 0.157 | 0.68 | 0.54 | -0.86 | 0.62 | 1.75E-07 | HLA-DRB1(dist=4181), HLA-DQA1(dist=43389) | intergenic |
| 6 | 32572806 | G | A | rs9270939 | 6.93E-04 | 0.297 | 0.236 | 0.73 | 0.61 | -0.87 | 9.83E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.67 | 1.76E-07 | HLA-DRB1(dist=15193), HLA-DQA1(dist=32377) | intergenic |
| 6 | 32559134 | A | G | rs9270498 | 7.04E-04 | 0.303 | 0.244 | 0.74 | 0.62 | -0.89 | 1.13E-05 | 0.326 | 0.240 | 0.65 | 0.53 | -0.8 | 0.66 | 1.76E-07 | HLA-DRB1(dist=1521), HLA-DQA1(dist=46049) | intergenic |
| 6 | 32574379 | A | G | rs9270998 | 7.18E-04 | 0.298 | 0.236 | 0.73 | 0.61 | -0.87 | 9.44E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.67 | 1.76E-07 | HLA-DRB1(dist=16766), HLA-DQA1(dist=30804) | intergenic |
| 6 | 32472229 | A | G | rs76627799 | 4.17E-05 | 0.159 | 0.213 | 0.70 | 0.56 | -0.87 | 2.96E-04 | 0.132 | 0.190 | 0.65 | 0.49 | -0.85 | 0.59 | 1.79E-07 | HLA-DRA(dist=59403), HLA-DRB5(dist=12925) | intergenic |
| 6 | 32572695 | G | C | rs9270934 | 6.93E-04 | 0.297 | 0.236 | 0.73 | 0.61 | -0.87 | 1.01E-05 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.67 | 1.79E-07 | HLA-DRB1(dist=15082), HLA-DQA1(dist=32488) | intergenic |
| 6 | 32575803 | G | T | rs9271073 | 4.29E-04 | 0.297 | 0.230 | 0.72 | 0.6 | -0.86 | 2.02E-05 | 0.325 | 0.239 | 0.65 | 0.54 | -0.8 | 0.67 | 1.79E-07 | HLA-DRB1(dist=18190), HLA-DQA1(dist=32380) | intergenic |
| 6 | 32513724 | C | T | rs34523106 | 7.61E-04 | 0.317 | 0.264 | 0.78 | 0.65 | -0.92 | 1.31E-05 | 0.335 | 0.251 | 0.66 | 0.54 | -0.81 | 0.64 | 1.82E-07 | HLA-DRB5(dist=15718), HLA-DRB6(dist=6766) | intergenic |
| 6 | 32589613 | A | G | rs9271514 | 5.04E-05 | 0.456 | 0.372 | 0.71 | 0.6 | -0.83 | 2.55E-04 | 0.460 | 0.375 | 0.70 | 0.58 | -0.85 | 0.70 | 1.82E-07 | HLA-DRB1(dist=32000), HLA-DQA1(dist=15570) | intergenic |
| 6 | 32576595 | G | A | rs9271106 | 7.25E-04 | 0.297 | 0.236 | 0.73 | 0.61 | -0.88 | 9.61E-06 | 0.324 | 0.236 | 0.64 | 0.53 | -0.79 | 0.67 | 1.83E-07 | HLA-DRB1(dist=18982), HLA-DQA1(dist=28588) | intergenic |
| 6 | 32589645 | A | G | rs9271515 | 5.17E-05 | 0.457 | 0.373 | 0.71 | 0.6 | -0.83 | 2.51E-04 | 0.460 | 0.375 | 0.70 | 0.58 | -0.85 | 0.70 | 1.84E-07 | HLA-DRB1(dist=32032), HLA-DQA1(dist=15538) | intergenic |
| 6 | 32626565 | C | T | rs9273371 | 2.37E-05 | 0.201 | 0.281 | 0.65 | 0.53 | -0.79 | 5.46E-04 | 0.199 | 0.273 | 0.66 | 0.53 | -0.84 | 0.68 | 1.85E-07 | HLA-DQB1 | downstream |
| 6 | 32542090 | G | T | rs9269455 | 1.42E-05 | 0.264 | 0.204 | 0.71 | 0.59 | -0.86 | 8.31E-04 | 0.222 | 0.168 | 0.71 | 0.56 | -0.88 | 0.60 | 1.86E-07 | HLA-DRB6(dist=14311), HLA-DRB1(dist=4457) | intergenic |
| 6 | 32579372 | C | T | rs9271223 | 5.21E-04 | 0.345 | 0.284 | 0.75 | 0.63 | -0.89 | 1.76E-05 | 0.337 | 0.253 | 0.66 | 0.54 | -0.81 | 0.66 | 1.86E-07 | HLA-DRB1(dist=21759), HLA-DQA1(dist=25811) | intergenic |
| 6 | 32571690 | C | T | rs9270881 | 9.81E-04 | 0.339 | 0.281 | 0.76 | 0.64 | -0.9 | 6.97E-06 | 0.340 | 0.248 | 0.64 | 0.53 | -0.78 | 0.67 | 1.89E-07 | HLA-DRB1(dist=14077), HLA-DQA1(dist=33493) | intergenic |
| 6 | 32524193 | C | T | rs116811823 | 2.07E-06 | 0.312 | 0.388 | 0.71 | 0.6 | -0.85 | 3.75E-03 | 0.368 | 0.421 | 0.80 | 0.66 | -0.97 | 0.64 | 1.91E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32576604 | A | T | rs9271107 | 7.19E-04 | 0.297 | 0.236 | 0.73 | 0.61 | -0.88 | 1.05E-05 | 0.324 | 0.237 | 0.65 | 0.53 | -0.79 | 0.67 | 1.92E-07 | HLA-DRB1(dist=18991), HLA-DQA1(dist=28579) | intergenic |
| 6 | 32554760 | A | G | rs9270105 | 1.06E-05 | 0.218 | 0.161 | 0.69 | 0.56 | -0.84 | 1.09E-03 | 0.192 | 0.141 | 0.69 | 0.54 | -0.88 | 0.58 | 1.92E-07 | HLA-DRB1 | intronic |
| 6 | 32494206 | A | C | rs113572153 | 4.60E-05 | 0.127 | 0.179 | 0.67 | 0.53 | -0.85 | 2.98E-04 | 0.133 | 0.194 | 0.64 | 0.49 | -0.84 | 0.59 | 1.92E-07 | HLA-DRB5 | intronic |
| 6 | 32505875 | C | T | rs72853910 | 3.78E-06 | 0.272 | 0.206 | 0.69 | 0.58 | -0.84 | 2.50E-03 | 0.206 | 0.153 | 0.70 | 0.55 | -0.88 | 0.61 | 1.94E-07 | HLA-DRB5(dist=7869), HLA-DRB6(dist=14615) | intergenic |
| 6 | 32554487 | T | G | rs9270096 | 9.98E-06 | 0.231 | 0.170 | 0.68 | 0.56 | -0.83 | 1.19E-03 | 0.203 | 0.149 | 0.69 | 0.54 | -0.87 | 0.60 | 1.96E-07 | HLA-DRB1 | intronic |
| 6 | 32573058 | C | T | rs9270954 | 8.59E-04 | 0.317 | 0.257 | 0.75 | 0.63 | -0.89 | 8.77E-06 | 0.326 | 0.238 | 0.64 | 0.53 | -0.79 | 0.67 | 1.96E-07 | HLA-DRB1(dist=15445), HLA-DQA1(dist=32125) | intergenic |
| 6 | 32579363 | G | T | rs9271221 | 5.19E-04 | 0.345 | 0.284 | 0.75 | 0.63 | -0.89 | 1.90E-05 | 0.337 | 0.253 | 0.67 | 0.55 | -0.81 | 0.66 | 1.97E-07 | HLA-DRB1(dist=21750), HLA-DQA1(dist=25820) | intergenic |
| 6 | 32521477 | C | T | rs71536527 | 2.18E-06 | 0.236 | 0.174 | 0.68 | 0.56 | -0.83 | 3.27E-03 | 0.201 | 0.151 | 0.71 | 0.56 | -0.9 | 0.60 | 1.97E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32471266 | A | G | rs115798983 | 3.72E-05 | 0.155 | 0.209 | 0.70 | 0.56 | -0.87 | 3.82E-04 | 0.155 | 0.215 | 0.67 | 0.52 | -0.87 | 0.60 | 1.98E-07 | HLA-DRA(dist=58440), HLA-DRB5(dist=13888) | intergenic |
| 6 | 32580637 | C | T | rs2395515 | 9.82E-06 | 0.226 | 0.159 | 0.65 | 0.53 | -0.79 | 1.31E-03 | 0.215 | 0.157 | 0.68 | 0.54 | -0.86 | 0.63 | 2.01E-07 | HLA-DRB1(dist=23024), HLA-DQA1(dist=24546) | intergenic |
| 6 | 32521484 | A | C | rs71536528 | 2.21E-06 | 0.236 | 0.174 | 0.68 | 0.56 | -0.83 | 3.32E-03 | 0.201 | 0.151 | 0.71 | 0.56 | -0.9 | 0.60 | 2.02E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32458003 | C | A | rs77413079 | 1.29E-05 | 0.315 | 0.249 | 0.72 | 0.6 | -0.86 | 1.03E-0 | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|----------|---|---|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32499145 | C | T | rs79662721 | 5.13E-05 | 0.518 | 0.453 | 0.77 | 0.66 | -0.91 | 3.03E-04 | 0.469 | 0.400 | 0.75 | 0.62 | -0.91 | 0.65 | 2.15E-07 | HLA-DRB5(dist=1139), HLA-DRB6(dist=21345) | intergenic |
| 6 | 32507639 | T | G | rs67023073 | 4.23E-05 | 0.331 | 0.272 | 0.75 | 0.63 | -0.9 | 3.64E-04 | 0.319 | 0.248 | 0.71 | 0.58 | -0.87 | 0.63 | 2.16E-07 | HLA-DRB5(dist=9633), HLA-DRB6(dist=12851) | intergenic |
| 6 | 32515416 | G | C | rs9269914 | 4.06E-04 | 0.303 | 0.248 | 0.76 | 0.63 | -0.91 | 2.86E-05 | 0.296 | 0.223 | 0.69 | 0.56 | -0.84 | 0.63 | 2.16E-07 | HLA-DRB1 | intronic |
| 6 | 32574990 | T | C | rs9271025 | 1.06E-05 | 0.243 | 0.177 | 0.67 | 0.55 | -0.81 | 1.31E-03 | 0.216 | 0.159 | 0.68 | 0.54 | -0.86 | 0.63 | 2.17E-07 | HLA-DRB1(dist=17377), HLA-DQA1(dist=30193) | intergenic |
| 6 | 32503033 | C | G | rs71549269 | 4.29E-06 | 0.275 | 0.208 | 0.69 | 0.58 | -0.84 | 2.59E-03 | 0.216 | 0.163 | 0.71 | 0.56 | -0.89 | 0.62 | 2.18E-07 | HLA-DRB5(dist=5027), HLA-DRB6(dist=17457) | intergenic |
| 6 | 32459383 | G | A | rs75885006 | 1.49E-05 | 0.309 | 0.377 | 0.74 | 0.62 | -0.88 | 9.49E-04 | 0.378 | 0.444 | 0.76 | 0.63 | -0.92 | 0.65 | 2.20E-07 | HLA-DRA(dist=46557), HLA-DRB5(dist=25771) | intergenic |
| 6 | 32524201 | G | A | rs190347943 | 5.10E-06 | 0.354 | 0.428 | 0.73 | 0.62 | -0.87 | 2.35E-03 | 0.412 | 0.470 | 0.79 | 0.65 | -0.95 | 0.65 | 2.20E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32515396 | C | T | rs9269912 | 5.81E-04 | 0.304 | 0.251 | 0.77 | 0.64 | -0.92 | 1.84E-05 | 0.295 | 0.221 | 0.68 | 0.55 | -0.83 | 0.63 | 2.21E-07 | HLA-DRB1 | intronic |
| 6 | 32565413 | G | C | rs9270624 | 9.78E-04 | 0.301 | 0.242 | 0.74 | 0.62 | -0.89 | 8.42E-06 | 0.330 | 0.241 | 0.65 | 0.53 | -0.79 | 0.67 | 2.21E-07 | HLA-DRB1(dist=7800), HLA-DQA1(dist=39770) | intergenic |
| 6 | 32480057 | G | C | rs201234464;rs112424196 | 3.64E-05 | 0.311 | 0.248 | 0.73 | 0.61 | -0.88 | 4.35E-04 | 0.284 | 0.219 | 0.71 | 0.57 | -0.87 | 0.63 | 2.23E-07 | HLA-DRA(dist=67231), HLA-DRB5(dist=5097) | intergenic |
| 6 | 32525913 | T | C | rs146123957 | 2.66E-04 | 0.441 | 0.378 | 0.77 | 0.66 | -0.91 | 5.63E-05 | 0.384 | 0.302 | 0.69 | 0.57 | -0.84 | 0.66 | 2.23E-07 | HLA-DRB6 | ncRNA_exonic |
| 6 | 32588446 | C | T | rs9271457 | 6.49E-05 | 0.461 | 0.381 | 0.72 | 0.61 | -0.85 | 2.51E-04 | 0.461 | 0.376 | 0.70 | 0.58 | -0.85 | 0.70 | 2.24E-07 | HLA-DRB1(dist=30833), HLA-DQA1(dist=16737) | intergenic |
| 6 | 32574624 | A | G | rs9271007 | 1.02E-03 | 0.308 | 0.248 | 0.74 | 0.62 | -0.89 | 7.94E-06 | 0.327 | 0.237 | 0.64 | 0.53 | -0.78 | 0.67 | 2.26E-07 | HLA-DRB1(dist=17011), HLA-DQA1(dist=30559) | intergenic |
| 6 | 32456198 | T | C | rs78819855 | 3.34E-06 | 0.372 | 0.445 | 0.74 | 0.62 | -0.87 | 3.11E-03 | 0.553 | 0.490 | 0.78 | 0.64 | -0.94 | 0.65 | 2.26E-07 | HLA-DRA(dist=43372), HLA-DRB5(dist=28956) | intergenic |
| 6 | 32574628 | G | A | rs9271008 | 1.02E-03 | 0.308 | 0.248 | 0.74 | 0.62 | -0.89 | 7.96E-06 | 0.327 | 0.237 | 0.64 | 0.53 | -0.78 | 0.67 | 2.26E-07 | HLA-DRB1(dist=17015), HLA-DQA1(dist=30555) | intergenic |
| 6 | 32460232 | A | G | rs77850263 | 4.60E-05 | 0.176 | 0.237 | 0.69 | 0.56 | -0.85 | 3.58E-04 | 0.178 | 0.248 | 0.65 | 0.51 | -0.83 | 0.64 | 2.27E-07 | HLA-DRA(dist=47406), HLA-DRB5(dist=24922) | intergenic |
| 6 | 32455569 | C | T | rs79197920 | 2.38E-06 | 0.370 | 0.443 | 0.74 | 0.62 | -0.87 | 4.20E-03 | 0.541 | 0.482 | 0.79 | 0.66 | -0.95 | 0.65 | 2.27E-07 | HLA-DRA(dist=42743), HLA-DRB5(dist=29858) | intergenic |
| 6 | 32496276 | G | A | rs116475394 | 7.81E-06 | 0.313 | 0.246 | 0.72 | 0.6 | -0.86 | 1.69E-03 | 0.248 | 0.193 | 0.72 | 0.58 | -0.9 | 0.62 | 2.27E-07 | HLA-DRB5 | intronic |
| 6 | 32507200 | T | C | rs115562562 | 6.43E-06 | 0.345 | 0.278 | 0.73 | 0.61 | -0.87 | 2.13E-03 | 0.247 | 0.192 | 0.73 | 0.58 | -0.9 | 0.63 | 2.28E-07 | HLA-DRB5(dist=9194), HLA-DRB6(dist=13290) | intergenic |
| 6 | 32577002 | A | T | rs9271135 | 4.39E-04 | 0.379 | 0.318 | 0.76 | 0.64 | -0.9 | 2.86E-05 | 0.363 | 0.281 | 0.68 | 0.56 | -0.83 | 0.67 | 2.28E-07 | HLA-DRB1(dist=19389), HLA-DQA1(dist=28181) | intergenic |
| 6 | 32486652 | C | T | rs114208862 | 4.77E-06 | 0.295 | 0.228 | 0.70 | 0.59 | -0.84 | 2.61E-03 | 0.215 | 0.162 | 0.71 | 0.56 | -0.89 | 0.62 | 2.30E-07 | HLA-DRB5 | intronic |
| 6 | 32525903 | T | C | rs181664429 | 3.51E-04 | 0.455 | 0.393 | 0.78 | 0.66 | -0.92 | 4.30E-05 | 0.400 | 0.315 | 0.69 | 0.57 | -0.84 | 0.66 | 2.30E-07 | HLA-DRB6 | ncRNA_exonic |
| 6 | 32505767 | G | A | rs28568890 | 2.23E-06 | 0.249 | 0.184 | 0.68 | 0.56 | -0.83 | 4.47E-03 | 0.187 | 0.141 | 0.71 | 0.56 | -0.91 | 0.60 | 2.33E-07 | HLA-DRB5(dist=7761), HLA-DRB6(dist=14723) | intergenic |
| 6 | 32513415 | C | T | rs67020511 | 1.17E-07 | 0.288 | 0.218 | 0.69 | 0.57 | -0.83 | 1.77E-02 | 0.251 | 0.209 | 0.78 | 0.63 | -0.97 | 0.61 | 2.33E-07 | HLA-DRB5(dist=15409), HLA-DRB6(dist=7075) | intergenic |
| 6 | 32574863 | G | A | rs9271021 | 1.12E-03 | 0.315 | 0.256 | 0.75 | 0.63 | -0.89 | 7.57E-06 | 0.331 | 0.242 | 0.64 | 0.53 | -0.79 | 0.67 | 2.34E-07 | HLA-DRB1(dist=17250), HLA-DQA1(dist=30320) | intergenic |
| 6 | 32482525 | A | G | rs115284487 | 7.44E-06 | 0.326 | 0.399 | 0.73 | 0.61 | -0.86 | 1.77E-03 | 0.341 | 0.409 | 0.75 | 0.62 | -0.91 | 0.66 | 2.34E-07 | HLA-DRA(dist=69699), HLA-DRB5(dist=2629) | intergenic |
| 6 | 32511602 | A | G | rs622405593 | 4.22E-06 | 0.229 | 0.170 | 0.69 | 0.57 | -0.84 | 2.35E-03 | 0.196 | 0.145 | 0.69 | 0.55 | -0.88 | 0.60 | 2.34E-07 | HLA-DRB5(dist=13596), HLA-DRB6(dist=8888) | intergenic |
| 6 | 32458023 | A | C | rs140350368 | 1.72E-06 | 0.315 | 0.243 | 0.70 | 0.58 | -0.83 | 5.49E-03 | 0.247 | 0.199 | 0.76 | 0.61 | -0.95 | 0.63 | 2.35E-07 | HLA-DRA(dist=45197), HLA-DRB5(dist=27131) | intergenic |
| 6 | 32571801 | A | G | rs200874665;rs4478449 | 1.30E-05 | 0.249 | 0.183 | 0.67 | 0.55 | -0.81 | 1.23E-03 | 0.216 | 0.158 | 0.68 | 0.54 | -0.86 | 0.63 | 2.35E-07 | HLA-DRB1(dist=14188), HLA-DQA1(dist=33382) | intergenic |
| 6 | 32540897 | A | T | rs9269376 | 1.21E-03 | 0.377 | 0.320 | 0.78 | 0.66 | -0.92 | 6.96E-06 | 0.368 | 0.280 | 0.67 | 0.55 | -0.81 | 0.66 | 2.36E-07 | HLA-DRB6(dist=13118), HLA-DRB1(dist=5650) | intergenic |
| 6 | 32554867 | C | A | rs9270111 | 2.23E-05 | 0.223 | 0.167 | 0.70 | 0.57 | -0.85 | 7.29E-04 | 0.199 | 0.145 | 0.68 | 0.54 | -0.87 | 0.59 | 2.37E-07 | HLA-DRB1 | intronic |
| 6 | 32568316 | A | G | rs9270749 | 1.00E-03 | 0.365 | 0.307 | 0.77 | 0.65 | -0.92 | 1.02E-05 | 0.355 | 0.267 | 0.66 | 0.54 | -0.81 | 0.66 | 2.38E-07 | HLA-DRB1(dist=10703), HLA-DQA1(dist=36867) | intergenic |
| 6 | 32482261 | T | C | rs113506020 | 4.92E-05 | 0.242 | 0.299 | 0.75 | 0.62 | -0.9 | 3.54E-04 | 0.222 | 0.286 | 0.71 | 0.57 | -0.89 | 0.62 | 2.39E-07 | HLA-DRA(dist=69435), HLA-DRB5(dist=2893) | intergenic |
| 6 | 32559541 | T | A | rs9270522 | 1.28E-03 | 0.297 | 0.242 | 0.75 | 0.63 | -0.9 | 7.29E-06 | 0.324 | 0.237 | 0.65 | 0.53 | -0.79 | 0.66 | 2.44E-07 | HLA-DRB1(dist=1928), HLA-DQA1(dist=45642) | intergenic |
| 6 | 32552527 | A | T | rs9269984 | 1.28E-05 | 0.284 | 0.219 | 0.71 | 0.59 | -0.85 | 1.29E-03 | 0.215 | 0.159 | 0.69 | 0.55 | -0.87 | 0.62 | 2.46E-07 | HLA-DRB1 | intronic |
| 6 | 32576347 | G | C | rs9271094 | 9.78E-04 | 0.295 | 0.235 | 0.73 | 0.61 | -0.88 | 9.51E-06 | 0.325 | 0.236 | 0.64 | 0.53 | -0.79 | 0.67 | 2.49E-07 | HLA-DRB1(dist=18734), HLA-DQA1(dist=28836) | intergenic |
| 6 | 32486639 | T | A | rs116577630 | 3.37E-06 | 0.295 | 0.227 | 0.70 | 0.58 | -0.84 | 3.60E-03 | 0.216 | 0.165 | 0.72 | 0.57 | -0.9 | 0.62 | 2.49E-07 | HLA-DRB5 | intronic |
| 6 | 32567488 | A | T | rs9270714 | 1.17E-03 | 0.303 | 0.245 | 0.75 | 0.62 | -0.89 | 7.63E-06 | 0.328 | 0.239 | 0.64 | 0.53 | -0.79 | 0.67 | 2.50E-07 | HLA-DRB1(dist=9875), HLA-DQA1(dist=37695) | intergenic |
| 6 | 32518584 | A | T | rs28524681 | 2.78E-06 | 0.238 | 0.176 | 0.68 | 0.56 | -0.83 | 3.62E-03 | 0.196 | 0.147 | 0.71 | 0.56 | -0.9 | 0.60 | 2.51E-07 | HLA-DRB5(dist=20578), HLA-DRB6(dist=1906) | intergenic |
| 6 | 32505781 | G | A | rs76567100 | 5.60E-06 | 0.249 | 0.187 | 0.69 | 0.57 | -0.84 | 2.24E-03 | 0.206 | 0.154 | 0.70 | 0.55 | -0.88 | 0.61 | 2.52E-07 | HLA-DRB5(dist=7775), HLA-DRB6(dist=14709) | intergenic |
| 6 | 32571659 | G | T | rs9270880 | 1.62E-05 | 0.266 | 0.199 | 0.69 | 0.57 | -0.83 | 1.07E-03 | 0.226 | 0.166 | 0.68 | 0.54 | -0.85 | 0.64 | 2.52E-07 | HLA-DRB1(dist=14046), HLA-DQA1(dist=33524) | intergenic |
| 6 | 32459326 | C | T | rs116837861 | 2.71E-05 | 0.169 | 0.229 | 0.68 | 0.55 | -0.84 | 6.91E-04 | 0.170 | 0.230 | 0.68 | 0.53 | -0.87 | 0.62 | 2.53E-07 | HLA-DRA(dist=46500), HLA-DRB5(dist=25828) | intergenic |
| 6 | 32495937 | G | A | rs114446916 | 4.21E-06 | 0.350 | 0.279 | 0.72 | 0.61 | -0.86 | 2.97E-03 | 0.275 | 0.223 | 0.73 | 0.61 | -0.94 | 0.63 | 2.53E-07 | HLA-DRB5 | intronic |
| 6 | 32508559 | T | C | rs62405590 | 8.78E-06 | 0.251 | 0.190 | 0.70 | 0.58 | -0.85 | 1.70E-03 | 0.201 | 0.147 | 0.69 | 0.54 | -0.87 | 0.61 | 2.55E-07 | HLA-DRB5(dist=10553), HLA-DRB6(dist=11931) | intergenic |
| 6 | 32525235 | T | C | rs28645249 | 7.44E-06 | 0.280 | 0.215 | 0.71 | 0.59 | -0.85 | 1.96E-03 | 0.218 | 0.163 | 0.70 | 0.56 | -0.88 | 0.62 | 2.55E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32524171 | A | G | rs111789491 | 9.60E-06 | 0.156 | 0.218 | 0.66 | 0.53 | -0.82 | 1.80E-03 | 0.174 | 0.228 | 0.71 | 0.56 | -0.91 | 0.62 | 2.56E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32458441 | C | T | rs77658501 | 2.00E-05 | 0.144 | 0.206 | 0.65 | 0.52 | -0.82 | 9.55E-04 | 0.130 | 0.186 | 0.66 | 0.5 | -0.86 | 0.61 | 2.56E-07 | HLA-DRA(dist=45615), HLA-DRB5(dist=26713) | intergenic |
| 6 | 32455305 | A | G | rs188625706 | 4.57E-06 | 0.350 | 0.422 | 0.74 | 0.62 | -0.87 | 2.86E-03 | 0.364 | 0.426 | 0.77 | 0.64 | -0.94 | 0.65 | 2.58E-07 | HLA-DRA(dist=42479), HLA-DRB5(dist=29849) | intergenic |
| 6 | 32575619 | C | G | rs9271065 | 1.20E-06 | 0.206 | 0.136 | 0.61 | 0.49 | -0.75 | 7.77E-03 | 0.186 | 0.141 | 0.72 | 0.56 | -0.92 | 0.61 | 2.58E-07 | HLA-DRB1(dist=18006), HLA-DQA1(dist=29564) | intergenic |
| 6 | 32523008 | C | T | rs35058673 | 2.67E-06 | 0.227 | 0.167 | 0.68 | 0.56 | -0.83 | 3.75E-03 | 0.181 | 0.135 | 0.70 | 0.55 | -0.9 | 0.59 | 2.58E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32454667 | T | C | rs9269268 | 7.85E-06 | 0.248 | 0.182 | 0.68 | 0.56 | -0.82 | 2.01E-03 | 0.210 | 0.159 | 0.71 | 0.56 | -0.89 | 0.62 | 2.59E-07 | HLA-DRA(dist=41841), HLA-DRB5(dist=30487) | intergenic |
| 6 | 32524684 | A | C | rs67353091 | 4.35E-06 | 0.250 | 0.187 | 0.69 | 0.57 | -0.84 | 2.76E-03 | 0.209 | 0.160 | 0.72 | 0.57 | -0.91 | 0.60 | 2.59E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32540331 | G | A | rs9269339 | 1.33E-03 | 0.354 | 0.297 | 0.77 | 0.65 | -0.91 | 7.47E-06 | 0.340 | 0.252 | 0.65 | 0.53 | -0.8 | 0.67 | 2.59E-07 | HLA-DRB6(dist=12552), HLA-DRB1(dist=6216) | intergenic |
| 6 | 32569164 | C | T | rs9270786 | 1.37E-03 | 0.363 | 0.309 | 0.79 | 0.66 | -0.93 | 7.46E-06 | 0.366 | 0.279 | 0.67 | 0.55 | -0.81 | 0.66 | 2.59E-07 | HLA-DRB1(dist=11551), HLA-DQA1(dist=36019) | intergenic |
| 6 | 32509179 | T | C | rs66713918 | 4.23E-06 | 0.238 | 0.178 | 0.69 | 0.57 | -0.84 | 2.76E-03 | 0.200 | 0.150 | 0.70 | 0.56 | -0.89 | 0.60 | 2.59E-07 | HLA-DRB5(dist=11173), HLA-DRB6(dist=11311) | intergenic |
| 6 | 32576764 | T | G | rs9271116 | 1.26E-05 | 0.241 | 0.175 | 0.67 | 0.55 | -0.81 | | | | | | | | | | |

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|---|----------|---|---|-------------------------|----------|-------|-------|------|------|-------|------------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32513531 | T | G | rs34442507 | 3.04E-06 | 0.224 | 0.165 | 0.69 | 0.56 | -0.84 | 3.52E-03 | 0.181 | 0.134 | 0.70 | 0.55 | -0.89 | 0.59 | 2.76E-07 | HLA-DRB5(dist=15525), HLA-DRB6(dist=6959) | intergenic |
| 6 | 32561743 | G | C | rs9270601 | 1.13E-05 | 0.231 | 0.165 | 0.66 | 0.54 | -0.8 | 1.60E-03 | 0.215 | 0.159 | 0.69 | 0.55 | -0.87 | 0.63 | 2.77E-07 | HLA-DRB1(dist=4130), HLA-DQA1(dist=43440) | intergenic |
| 6 | 32608931 | T | C | rs9272679 | 2.03E-03 | 0.403 | 0.462 | 0.79 | 0.67 | -0.93 | 3.78E-06 | 0.382 | 0.490 | 0.64 | 0.53 | -0.78 | 0.70 | 2.77E-07 | HLA-DQA1 | intronic |
| 6 | 32641484 | C | T | rs9274928 | 5.21E-04 | 0.144 | 0.196 | 0.69 | 0.55 | -0.87 | 3.10E-05 | 0.131 | 0.207 | 0.58 | 0.44 | -0.76 | 0.63 | 2.79E-07 | HLA-DQB1(dist=7018), HLA-DQA2(dist=67679) | intergenic |
| 6 | 32512180 | A | T | rs28467173 | 5.71E-06 | 0.234 | 0.176 | 0.70 | 0.57 | -0.85 | 2.26E-03 | 0.198 | 0.147 | 0.70 | 0.55 | -0.88 | 0.60 | 2.79E-07 | HLA-DRB5(dist=14174), HLA-DRB6(dist=8310) | intergenic |
| 6 | 32551126 | A | C | rs9269898 | 1.74E-05 | 0.234 | 0.229 | 0.72 | 0.6 | -0.87 | 1.12E-03 | 0.230 | 0.174 | 0.71 | 0.56 | -0.88 | 0.62 | 2.81E-07 | HLA-DRB1 | intronic |
| 2 | 45120438 | C | T | rs114206241 | 1.11E-02 | 0.073 | 0.054 | 1.38 | 1 | -1.91 | 2.74E-07 | 0.097 | 0.046 | 2.20 | 1.59 | -3.05 | 2.21 | 2.81E-07 | CAMKMT(dist=120707), SIX3-AS1(dist=46855) | intergenic |
| 6 | 32540777 | G | T | rs9269369 | 1.19E-03 | 0.379 | 0.322 | 0.78 | 0.66 | -0.92 | 9.41E-06 | 0.353 | 0.266 | 0.67 | 0.55 | -0.81 | 0.66 | 2.81E-07 | HLA-DRB6(dist=12998), HLA-DRB1(dist=5770) | intergenic |
| 6 | 32579354 | C | T | rs9271219 | 6.53E-04 | 0.356 | 0.296 | 0.76 | 0.64 | -0.9 | 2.33E-05 | 0.350 | 0.265 | 0.67 | 0.55 | -0.81 | 0.67 | 2.81E-07 | HLA-DRB1(dist=21741), HLA-DQA1(dist=25829) | intergenic |
| 6 | 32505869 | A | C | rs59894631 | 4.26E-06 | 0.275 | 0.210 | 0.70 | 0.58 | -0.84 | 3.49E-03 | 0.194 | 0.147 | 0.71 | 0.56 | -0.9 | 0.61 | 2.83E-07 | HLA-DRB5(dist=7863), HLA-DRB6(dist=14621) | intergenic |
| 6 | 32559468 | T | C | rs9270516 | 2.44E-03 | 0.324 | 0.272 | 0.78 | 0.65 | -0.93 | 3.18E-06 | 0.341 | 0.249 | 0.64 | 0.53 | -0.78 | 0.66 | 2.83E-07 | HLA-DRB1(dist=1855), HLA-DQA1(dist=45715) | intergenic |
| 6 | 32460019 | G | A | rs148630431 | 3.39E-05 | 0.170 | 0.232 | 0.68 | 0.55 | -0.84 | 6.31E-04 | 0.176 | 0.243 | 0.66 | 0.52 | -0.85 | 0.64 | 2.85E-07 | HLA-DRA(dist=47193), HLA-DRB5(dist=25135) | intergenic |
| 6 | 32575575 | T | A | rs9271062 | 1.54E-05 | 0.229 | 0.162 | 0.65 | 0.53 | -0.8 | 1.30E-03 | 0.215 | 0.158 | 0.68 | 0.54 | -0.86 | 0.63 | 2.87E-07 | HLA-DRB1(dist=17962), HLA-DQA1(dist=29608) | intergenic |
| 6 | 32507168 | T | C | rs115466102 | 3.18E-05 | 0.150 | 0.209 | 0.67 | 0.53 | -0.83 | 6.65E-04 | 0.148 | 0.213 | 0.64 | 0.49 | -0.83 | 0.63 | 2.87E-07 | HLA-DRB5(dist=9162), HLA-DRB6(dist=13322) | intergenic |
| 6 | 32479232 | G | C | rs114227752 | 1.93E-05 | 0.323 | 0.258 | 0.73 | 0.61 | -0.87 | 1.07E-03 | 0.270 | 0.213 | 0.73 | 0.59 | -0.9 | 0.62 | 2.88E-07 | HLA-DRA(dist=66406), HLA-DRB5(dist=5922) | intergenic |
| 6 | 32552226 | G | C | rs144353907 | 1.93E-05 | 0.116 | 0.170 | 0.64 | 0.5 | -0.82 | 1.10E-03 | 0.103 | 0.157 | 0.61 | 0.45 | -0.83 | 0.59 | 2.89E-07 | HLA-DRB1 | intronic |
| 6 | 32508922 | T | C | rs67947168 | 6.40E-06 | 0.231 | 0.172 | 0.69 | 0.57 | -0.84 | 2.27E-03 | 0.196 | 0.145 | 0.70 | 0.55 | -0.88 | 0.60 | 2.89E-07 | HLA-DRB5(dist=10916), HLA-DRB6(dist=11568) | intergenic |
| 6 | 32577282 | A | C | rs9271146 | 4.30E-04 | 0.288 | 0.225 | 0.72 | 0.6 | -0.86 | 3.72E-05 | 0.316 | 0.234 | 0.66 | 0.54 | -0.81 | 0.67 | 2.89E-07 | HLA-DRB1(dist=19669), HLA-DQA1(dist=27901) | intergenic |
| 6 | 32574374 | G | A | rs9270997 | 1.61E-05 | 0.229 | 0.162 | 0.65 | 0.53 | -0.8 | 1.26E-03 | 0.215 | 0.158 | 0.68 | 0.54 | -0.86 | 0.63 | 2.89E-07 | HLA-DRB1(dist=16761), HLA-DQA1(dist=30809) | intergenic |
| 6 | 32523401 | C | A | rs72492333 | 5.72E-06 | 0.238 | 0.179 | 0.70 | 0.57 | -0.85 | 2.45E-03 | 0.199 | 0.147 | 0.70 | 0.55 | -0.88 | 0.60 | 2.90E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32554517 | T | A | rs9270098 | 7.99E-04 | 0.286 | 0.234 | 0.76 | 0.63 | -0.91 | 1.87E-05 | 0.287 | 0.214 | 0.67 | 0.55 | -0.83 | 0.63 | 2.90E-07 | HLA-DRB1 | intronic |
| 6 | 32509188 | A | T | rs67111333 | 6.89E-06 | 0.232 | 0.173 | 0.69 | 0.57 | -0.84 | 2.16E-03 | 0.197 | 0.145 | 0.70 | 0.55 | -0.88 | 0.60 | 2.90E-07 | HLA-DRB5(dist=11182), HLA-DRB6(dist=11302) | intergenic |
| 6 | 32459312 | T | C | rs113541465 | 8.91E-06 | 0.154 | 0.219 | 0.65 | 0.52 | -0.81 | 2.12E-03 | 0.185 | 0.243 | 0.71 | 0.56 | -0.9 | 0.63 | 2.91E-07 | HLA-DRA(dist=46486), HLA-DRB5(dist=25842) | intergenic |
| 6 | 32520583 | A | G | rs71536522 | 3.74E-06 | 0.232 | 0.171 | 0.69 | 0.56 | -0.84 | 3.26E-03 | 0.196 | 0.146 | 0.70 | 0.55 | -0.89 | 0.60 | 2.92E-07 | HLA-DRB6 | ncRNA_exonic |
| 6 | 32470279 | G | A | rs149675244 | 1.49E-05 | 0.228 | 0.293 | 0.71 | 0.59 | -0.87 | 1.40E-03 | 0.239 | 0.303 | 0.72 | 0.58 | -0.9 | 0.64 | 2.93E-07 | HLA-DRA(dist=57453), HLA-DRB5(dist=14875) | intergenic |
| 6 | 32552237 | A | G | rs9269666 | 1.38E-05 | 0.260 | 0.198 | 0.70 | 0.58 | -0.85 | 1.40E-03 | 0.210 | 0.155 | 0.69 | 0.55 | -0.87 | 0.62 | 2.94E-07 | HLA-DRB1 | intronic |
| 6 | 32572851 | G | A | rs9270941 | 1.11E-03 | 0.307 | 0.244 | 0.74 | 0.62 | -0.89 | 1.01E-05 | 0.329 | 0.241 | 0.65 | 0.53 | -0.79 | 0.67 | 2.96E-07 | HLA-DRB1(dist=15238), HLA-DQA1(dist=32332) | intergenic |
| 6 | 32481498 | G | C | rs72508422 | 5.18E-06 | 0.394 | 0.327 | 0.74 | 0.63 | -0.88 | 2.99E-03 | 0.313 | 0.259 | 0.77 | 0.63 | -0.94 | 0.63 | 2.97E-07 | HLA-DRA(dist=68672), HLA-DRB5(dist=3656) | intergenic |
| 6 | 32647150 | T | C | rs28755365 | 7.43E-04 | 0.209 | 0.266 | 0.73 | 0.6 | -0.89 | 1.96E-05 | 0.175 | 0.259 | 0.61 | 0.48 | -0.78 | 0.66 | 2.98E-07 | HLA-DQB1(dist=12684), HLA-DQA2(dist=62013) | intergenic |
| 6 | 32559472 | T | C | rs9270517 | 2.46E-03 | 0.323 | 0.271 | 0.78 | 0.65 | -0.93 | 3.41E-06 | 0.340 | 0.249 | 0.64 | 0.53 | -0.78 | 0.67 | 2.99E-07 | HLA-DRB1(dist=1859), HLA-DQA1(dist=45711) | intergenic |
| 6 | 32502507 | A | G | rs77707360 | 6.77E-06 | 0.256 | 0.195 | 0.70 | 0.58 | -0.85 | 2.29E-03 | 0.203 | 0.151 | 0.70 | 0.55 | -0.88 | 0.61 | 3.00E-07 | HLA-DRB5(dist=4501), HLA-DRB6(dist=17983) | intergenic |
| 6 | 32482976 | G | T | rs188545851 | 1.44E-05 | 0.181 | 0.243 | 0.69 | 0.56 | -0.85 | 1.42E-03 | 0.170 | 0.230 | 0.69 | 0.54 | -0.88 | 0.63 | 3.00E-07 | HLA-DRA(dist=70150), HLA-DRB5(dist=2178) | intergenic |
| 6 | 32574649 | C | A | rs9271009 | 1.72E-03 | 0.313 | 0.255 | 0.75 | 0.63 | -0.9 | 8.49E-06 | 0.326 | 0.238 | 0.64 | 0.53 | -0.79 | 0.67 | 3.01E-07 | HLA-DRB1(dist=17036), HLA-DQA1(dist=30534) | intergenic |
| 6 | 32507091 | G | T | rs78668102 | 4.30E-05 | 0.153 | 0.212 | 0.68 | 0.54 | -0.84 | 5.29E-04 | 0.149 | 0.215 | 0.64 | 0.49 | -0.83 | 0.63 | 3.02E-07 | HLA-DRB5(dist=9085), HLA-DRB6(dist=13399) | intergenic |
| 6 | 32520566 | G | G | rs116020203 | 6.56E-06 | 0.241 | 0.181 | 0.70 | 0.57 | -0.85 | 2.30E-03 | 0.212 | 0.160 | 0.71 | 0.56 | -0.89 | 0.60 | 3.03E-07 | HLA-DRB6 | ncRNA_exonic |
| 6 | 32514384 | T | C | rs68124732 | 5.02E-06 | 0.254 | 0.192 | 0.69 | 0.57 | -0.84 | 2.98E-03 | 0.203 | 0.153 | 0.71 | 0.56 | -0.89 | 0.61 | 3.04E-07 | HLA-DRB5(dist=16378), HLA-DRB6(dist=6106) | intergenic |
| 6 | 32514561 | G | C | rs62405632 | 1.64E-03 | 0.359 | 0.309 | 0.80 | 0.67 | -0.95 | 8.37E-06 | 0.374 | 0.283 | 0.66 | 0.55 | -0.8 | 0.66 | 3.05E-07 | HLA-DRB5(dist=16555), HLA-DRB6(dist=5929) | intergenic |
| 6 | 32523980 | T | A | rs150058067 | 3.09E-05 | 0.134 | 0.190 | 0.66 | 0.52 | -0.84 | 7.51E-04 | 0.126 | 0.180 | 0.66 | 0.5 | -0.87 | 0.60 | 3.06E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32579870 | A | C | rs9271241 | 1.12E-03 | 0.305 | 0.246 | 0.74 | 0.62 | -0.89 | 1.09E-05 | 0.331 | 0.243 | 0.65 | 0.53 | -0.79 | 0.67 | 3.09E-07 | HLA-DRB1(dist=22257), HLA-DQA1(dist=25313) | intergenic |
| 6 | 32537139 | A | C | rs114553448;rs200931912 | 8.78E-04 | 0.376 | 0.318 | 0.77 | 0.65 | -0.92 | 1.68E-05 | 0.347 | 0.264 | 0.67 | 0.55 | -0.82 | 0.66 | 3.10E-07 | HLA-DRB6(dist=9360), HLA-DRB1(dist=9408) | intergenic |
| 6 | 32502617 | A | G | rs72508463 | 8.06E-06 | 0.234 | 0.176 | 0.70 | 0.58 | -0.86 | 1.91E-03 | 0.198 | 0.146 | 0.69 | 0.55 | -0.88 | 0.60 | 3.10E-07 | HLA-DRB5(dist=4611), HLA-DRB6(dist=17873) | intergenic |
| 6 | 32574602 | T | C | rs9271006 | 1.36E-03 | 0.305 | 0.247 | 0.75 | 0.62 | -0.89 | 7.96E-06 | 0.326 | 0.237 | 0.64 | 0.53 | -0.78 | 0.67 | 3.12E-07 | HLA-DRB1(dist=16989), HLA-DQA1(dist=30581) | intergenic |
| 6 | 32479924 | C | T | rs72849291 | 1.36E-05 | 0.270 | 0.208 | 0.71 | 0.59 | -0.86 | 1.52E-03 | 0.211 | 0.158 | 0.70 | 0.56 | -0.88 | 0.61 | 3.14E-07 | HLA-DRA(dist=67098), HLA-DRB5(dist=5230) | intergenic |
| 6 | 32556030 | C | T | rs9270189 | 5.38E-06 | 0.203 | 0.145 | 0.67 | 0.54 | -0.83 | 2.89E-03 | 0.177 | 0.132 | 0.70 | 0.55 | -0.9 | 0.58 | 3.15E-07 | HLA-DRB1 | intronic |
| 6 | 32520615 | C | T | rs66712869 | 4.26E-06 | 0.232 | 0.172 | 0.69 | 0.56 | -0.84 | 3.21E-03 | 0.196 | 0.146 | 0.70 | 0.55 | -0.89 | 0.60 | 3.17E-07 | HLA-DRB6 | ncRNA_exonic |
| 6 | 32485492 | C | T | rs75563047 | 4.15E-06 | 0.410 | 0.337 | 0.73 | 0.62 | -0.86 | 4.26E-03 | 0.321 | 0.267 | 0.77 | 0.63 | -0.94 | 0.64 | 3.18E-07 | HLA-DRB5(NM_002125:c.*24G>A) | UTR3 |
| 6 | 32540784 | C | T | rs9269370 | 1.50E-03 | 0.380 | 0.324 | 0.78 | 0.66 | -0.93 | 8.09E-06 | 0.357 | 0.270 | 0.67 | 0.55 | -0.81 | 0.66 | 3.20E-07 | HLA-DRB6(dist=13005), HLA-DRB1(dist=5763) | intergenic |
| 6 | 32509550 | T | C | rs113260943 | 1.48E-03 | 0.322 | 0.271 | 0.78 | 0.66 | -0.94 | 1.00E-05 | 0.324 | 0.243 | 0.67 | 0.55 | -0.82 | 0.64 | 3.21E-07 | HLA-DRB5(dist=11544), HLA-DRB6(dist=10940) | intergenic |
| 6 | 32552223 | T | A | rs149614319 | 2.00E-05 | 0.116 | 0.170 | 0.64 | 0.5 | -0.82 | 1.20E-03 | 0.103 | 0.157 | 0.62 | 0.46 | -0.84 | 0.59 | 3.22E-07 | HLA-DRB1 | intronic |
| 6 | 32456187 | T | A | rs76032688 | 1.66E-07 | 0.412 | 0.501 | 0.70 | 0.59 | -0.82 | 3.03E-02 | 0.458 | 0.414 | 0.84 | 0.69 | -1.01 | 0.66 | 3.23E-07 | HLA-DRA(dist=43361), HLA-DRB5(dist=28967) | intergenic |
| 6 | 32511698 | A | G | rs6655992 | 4.77E-06 | 0.229 | 0.171 | 0.69 | 0.57 | -0.84 | 2.89E-03 | 0.196 | 0.146 | 0.70 | 0.55 | -0.89 | 0.60 | 3.24E-07 | HLA-DRB5(dist=13692), HLA-DRB6(dist=8792) | intergenic |
| 6 | 32480396 | T | C | rs80042203 | 6.59E-06 | 0.288 | 0.222 | 0.70 | 0.59 | -0.84 | 2.81E-03 | 0.219 | 0.168 | 0.72 | 0.57 | -0.9 | 0.62 | 3.24E-07 | HLA-DRA(dist=67570), HLA-DRB5(dist=4758) | intergenic |
| 6 | 32558317 | T | C | rs9270387 | 8.01E-04 | 0.378 | 0.316 | 0.78 | 0.66 | -0.93 | 1.84E-05 | 0.358 | 0.278 | 0.69 | 0.57 | -0.84 | 0.65 | 3.25E-07 | HLA-DRB1 | upstream |
| 6 | 32537640 | C | T | rs73726846 | 1.59E-05 | 0.288 | 0.225 | 0.72 | 0.6 | -0.86 | 1.40E-03 | 0.234 | 0.179 | 0.71 | 0.57 | -0.89 | 0.62 | 3.25E-07 | HLA-DRB6(dist=9861), HLA-DRB1(dist=8907) | intergenic |
| 6 | 32520565 | C | T | rs115505845 | 7.65E-06 | 0.239 | 0.180 | 0.70 | 0.57 | -0.85 | 2.22E-03 | 0.212 | 0.159 | 0.71 | 0.56 | -0.89 | 0.61 | 3.27E-07 | HLA-DRB6 | ncRNA_exonic |
| 6 | 32486682 | A | C | rs113440750 | 5.99E-06 | 0.304 | 0.237 | 0.71 | 0.6 | -0.85 | 3.07E-03</ | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|----------|---|---|------------------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32526526 | A | G | rs35083819 | 1.20E-05 | 0.214 | 0.158 | 0.69 | 0.56 | -0.84 | 1.69E-03 | 0.187 | 0.137 | 0.69 | 0.54 | -0.88 | 0.59 | 3.41E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32553716 | T | C | rs9270049 | 1.46E-05 | 0.270 | 0.206 | 0.70 | 0.58 | -0.85 | 1.58E-03 | 0.219 | 0.164 | 0.70 | 0.56 | -0.88 | 0.62 | 3.41E-07 | HLA-DRB1 | intronic |
| 6 | 32544697 | T | A | rs9269573 | 1.65E-06 | 0.251 | 0.185 | 0.68 | 0.56 | -0.82 | 8.81E-03 | 0.182 | 0.141 | 0.74 | 0.58 | -0.94 | 0.60 | 3.43E-07 | HLA-DRB6(dist=16918), HLA-DRB1(dist=1850) | intergenic |
| 6 | 32551621 | A | G | rs9269926 | 1.83E-05 | 0.252 | 0.194 | 0.71 | 0.59 | -0.86 | 1.24E-03 | 0.218 | 0.163 | 0.70 | 0.56 | -0.88 | 0.61 | 3.44E-07 | HLA-DRB1 | intronic |
| 6 | 32460193 | G | A | rs201568677;rs567753003;rs76308833 | 1.93E-05 | 0.175 | 0.240 | 0.67 | 0.55 | -0.83 | 1.33E-03 | 0.194 | 0.258 | 0.69 | 0.55 | -0.87 | 0.64 | 3.47E-07 | HLA-DRA(dist=47367), HLA-DRB5(dist=24961) | intergenic |
| 6 | 32579420 | C | A | rs9271225 | 9.34E-04 | 0.321 | 0.261 | 0.75 | 0.63 | -0.89 | 1.67E-05 | 0.336 | 0.251 | 0.66 | 0.54 | -0.81 | 0.67 | 3.48E-07 | HLA-DRB1(dist=21807), HLA-DQA1(dist=25763) | intergenic |
| 6 | 32507112 | G | A | rs143811457 | 5.31E-05 | 0.150 | 0.208 | 0.67 | 0.54 | -0.84 | 5.04E-04 | 0.146 | 0.212 | 0.63 | 0.49 | -0.82 | 0.63 | 3.49E-07 | HLA-DRB5(dist=9106), HLA-DRB6(dist=13378) | intergenic |
| 6 | 32505320 | T | C | rs75880270 | 8.39E-06 | 0.246 | 0.184 | 0.69 | 0.57 | -0.84 | 2.38E-03 | 0.197 | 0.146 | 0.70 | 0.55 | -0.88 | 0.61 | 3.50E-07 | HLA-DRB5(dist=7314), HLA-DRB6(dist=15170) | intergenic |
| 6 | 32540462 | T | C | rs9269347 | 9.26E-04 | 0.427 | 0.368 | 0.78 | 0.66 | -0.92 | 1.72E-05 | 0.406 | 0.323 | 0.70 | 0.58 | -0.84 | 0.67 | 3.53E-07 | HLA-DRB6(dist=12683), HLA-DRB1(dist=6085) | intergenic |
| 6 | 32554540 | A | C | rs9270099 | 1.18E-03 | 0.273 | 0.223 | 0.77 | 0.64 | -0.92 | 1.39E-05 | 0.281 | 0.209 | 0.67 | 0.55 | -0.83 | 0.62 | 3.54E-07 | HLA-DRB1 | intronic |
| 6 | 32458228 | T | C | rs62405571 | 2.44E-06 | 0.289 | 0.221 | 0.70 | 0.58 | -0.84 | 5.95E-03 | 0.223 | 0.175 | 0.74 | 0.59 | -0.93 | 0.62 | 3.54E-07 | HLA-DRA(dist=45402), HLA-DRB5(dist=26926) | intergenic |
| 6 | 32504395 | G | A | rs72851070 | 9.69E-06 | 0.256 | 0.195 | 0.70 | 0.58 | -0.85 | 2.14E-03 | 0.202 | 0.150 | 0.70 | 0.55 | -0.88 | 0.61 | 3.55E-07 | HLA-DRB5(dist=6389), HLA-DRB6(dist=16095) | intergenic |
| 6 | 32509050 | A | C | rs73727962 | 1.00E-03 | 0.332 | 0.278 | 0.78 | 0.65 | -0.93 | 1.95E-05 | 0.327 | 0.247 | 0.68 | 0.55 | -0.83 | 0.65 | 3.57E-07 | HLA-DRB5(dist=11044), HLA-DRB6(dist=11440) | intergenic |
| 6 | 32509053 | C | T | rs76722140 | 1.01E-03 | 0.332 | 0.278 | 0.78 | 0.65 | -0.93 | 1.95E-05 | 0.327 | 0.247 | 0.68 | 0.55 | -0.83 | 0.65 | 3.60E-07 | HLA-DRB5(dist=11047), HLA-DRB6(dist=11437) | intergenic |
| 6 | 32576838 | C | T | rs9271123 | 8.31E-04 | 0.362 | 0.304 | 0.77 | 0.65 | -0.92 | 2.32E-05 | 0.350 | 0.266 | 0.67 | 0.55 | -0.82 | 0.67 | 3.61E-07 | HLA-DRB1(dist=19225), HLA-DQA1(dist=28345) | intergenic |
| 6 | 32478534 | C | T | rs114899036 | 2.89E-05 | 0.376 | 0.439 | 0.77 | 0.65 | -0.91 | 9.47E-04 | 0.551 | 0.490 | 0.78 | 0.65 | -0.94 | 0.64 | 3.62E-07 | HLA-DRA(dist=65708), HLA-DRB5(dist=6620) | intergenic |
| 6 | 32508213 | C | T | rs75387045 | 2.16E-05 | 0.148 | 0.209 | 0.66 | 0.52 | -0.82 | 1.26E-03 | 0.195 | 0.216 | 0.66 | 0.51 | -0.86 | 0.63 | 3.67E-07 | HLA-DRB5(dist=10207), HLA-DRB6(dist=12277) | intergenic |
| 6 | 32502959 | T | C | rs72851057 | 7.86E-06 | 0.242 | 0.184 | 0.71 | 0.58 | -0.86 | 2.30E-03 | 0.202 | 0.150 | 0.70 | 0.55 | -0.88 | 0.60 | 3.67E-07 | HLA-DRB5(dist=4953), HLA-DRB6(dist=17531) | intergenic |
| 6 | 32457013 | A | G | rs76388981 | 2.75E-06 | 0.372 | 0.444 | 0.74 | 0.63 | -0.88 | 5.65E-03 | 0.542 | 0.480 | 0.78 | 0.65 | -0.94 | 0.66 | 3.67E-07 | HLA-DRA(dist=44187), HLA-DRB5(dist=28141) | intergenic |
| 6 | 32509895 | G | A | rs28844904 | 9.50E-06 | 0.233 | 0.175 | 0.70 | 0.57 | -0.85 | 2.15E-03 | 0.196 | 0.144 | 0.69 | 0.55 | -0.88 | 0.60 | 3.67E-07 | HLA-DRB5(dist=11889), HLA-DRB6(dist=10595) | intergenic |
| 6 | 32509260 | T | C | rs72853943 | 1.07E-03 | 0.324 | 0.272 | 0.78 | 0.65 | -0.93 | 1.88E-05 | 0.324 | 0.244 | 0.68 | 0.55 | -0.83 | 0.65 | 3.73E-07 | HLA-DRB5(dist=11254), HLA-DRB6(dist=11230) | intergenic |
| 6 | 32573909 | C | A | rs9270980 | 2.37E-05 | 0.244 | 0.177 | 0.67 | 0.55 | -0.81 | 1.19E-03 | 0.216 | 0.158 | 0.68 | 0.54 | -0.86 | 0.64 | 3.79E-07 | HLA-DRB1(dist=16296), HLA-DQA1(dist=31274) | intergenic |
| 6 | 32541881 | C | T | rs9269438 | 1.96E-05 | 0.244 | 0.185 | 0.70 | 0.58 | -0.86 | 1.34E-03 | 0.205 | 0.151 | 0.69 | 0.55 | -0.87 | 0.61 | 3.80E-07 | HLA-DRB6(dist=14102), HLA-DRB1(dist=4666) | intergenic |
| 6 | 32535525 | G | A | rs35176742 | 2.35E-05 | 0.105 | 0.150 | 0.66 | 0.51 | -0.86 | 1.17E-03 | 0.119 | 0.167 | 0.67 | 0.5 | -0.89 | 0.55 | 3.81E-07 | HLA-DRB6(dist=7746), HLA-DRB1(dist=11022) | intergenic |
| 6 | 32456735 | T | C | rs75151587 | 9.51E-06 | 0.370 | 0.439 | 0.75 | 0.63 | -0.89 | 2.52E-03 | 0.546 | 0.482 | 0.78 | 0.64 | -0.94 | 0.66 | 3.81E-07 | HLA-DRA(dist=43909), HLA-DRB5(dist=28419) | intergenic |
| 6 | 32579355 | A | C | rs9271220 | 1.06E-03 | 0.346 | 0.288 | 0.76 | 0.64 | -0.91 | 1.68E-05 | 0.338 | 0.253 | 0.66 | 0.54 | -0.81 | 0.67 | 3.81E-07 | HLA-DRB1(dist=21742), HLA-DQA1(dist=25828) | intergenic |
| 6 | 32502996 | T | C | rs79841512 | 9.56E-06 | 0.241 | 0.183 | 0.70 | 0.58 | -0.86 | 2.11E-03 | 0.202 | 0.149 | 0.69 | 0.55 | -0.88 | 0.61 | 3.82E-07 | HLA-DRB5(dist=4990), HLA-DRB6(dist=17494) | intergenic |
| 6 | 32558649 | C | A | rs9270427 | 5.19E-04 | 0.400 | 0.339 | 0.77 | 0.65 | -0.91 | 4.72E-05 | 0.392 | 0.308 | 0.69 | 0.57 | -0.84 | 0.67 | 3.82E-07 | HLA-DRB1(dist=1036), HLA-DQA1(dist=46534) | intergenic |
| 6 | 32606444 | G | A | rs4530904 | 1.24E-06 | 0.301 | 0.224 | 0.67 | 0.56 | -0.8 | 1.03E-02 | 0.251 | 0.200 | 0.74 | 0.6 | -0.92 | 0.65 | 3.82E-07 | HLA-DQA1 | intronic |
| 6 | 32505508 | C | T | rs72851099 | 1.01E-05 | 0.227 | 0.169 | 0.69 | 0.57 | -0.85 | 2.08E-03 | 0.195 | 0.144 | 0.69 | 0.55 | -0.88 | 0.60 | 3.83E-07 | HLA-DRB5(dist=7502), HLA-DRB6(dist=14982) | intergenic |
| 6 | 32455777 | C | T | rs79648921 | 6.62E-06 | 0.429 | 0.501 | 0.75 | 0.63 | -0.88 | 3.30E-03 | 0.506 | 0.441 | 0.77 | 0.64 | -0.93 | 0.67 | 3.84E-07 | HLA-DRA(dist=42951), HLA-DRB5(dist=29377) | intergenic |
| 6 | 32522813 | A | T | rs35222480 | 5.49E-06 | 0.229 | 0.170 | 0.69 | 0.57 | -0.84 | 3.36E-03 | 0.185 | 0.137 | 0.70 | 0.55 | -0.89 | 0.60 | 3.85E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32577022 | A | G | rs9271137 | 5.08E-04 | 0.374 | 0.314 | 0.76 | 0.65 | -0.91 | 4.70E-05 | 0.353 | 0.273 | 0.69 | 0.56 | -0.83 | 0.67 | 3.85E-07 | HLA-DRB1(dist=19409), HLA-DQA1(dist=28161) | intergenic |
| 6 | 32573039 | C | T | rs9270951 | 1.80E-03 | 0.324 | 0.267 | 0.76 | 0.64 | -0.91 | 7.13E-06 | 0.331 | 0.241 | 0.64 | 0.53 | -0.79 | 0.67 | 3.86E-07 | HLA-DRB1(dist=15426), HLA-DQA1(dist=32144) | intergenic |
| 6 | 32513714 | A | C | rs34791134 | 1.02E-06 | 0.216 | 0.156 | 0.67 | 0.55 | -0.82 | 9.10E-03 | 0.173 | 0.131 | 0.72 | 0.56 | -0.93 | 0.59 | 3.86E-07 | HLA-DRB5(dist=15708), HLA-DRB6(dist=6776) | intergenic |
| 6 | 32551329 | G | A | rs9269908 | 1.03E-03 | 0.356 | 0.301 | 0.78 | 0.66 | -0.93 | 1.57E-05 | 0.312 | 0.235 | 0.68 | 0.55 | -0.83 | 0.65 | 3.88E-07 | HLA-DRB1 | intronic |
| 6 | 32471657 | A | G | rs112933569 | 7.05E-04 | 0.266 | 0.314 | 0.79 | 0.66 | -0.95 | 2.87E-05 | 0.239 | 0.321 | 0.66 | 0.53 | -0.83 | 0.64 | 3.91E-07 | HLA-DRA(dist=58831), HLA-DRB5(dist=13497) | intergenic |
| 6 | 32502471 | C | T | rs77794095 | 4.13E-05 | 0.147 | 0.204 | 0.67 | 0.54 | -0.84 | 7.24E-04 | 0.148 | 0.212 | 0.64 | 0.5 | -0.84 | 0.63 | 3.94E-07 | HLA-DRB5(dist=4465), HLA-DRB6(dist=18019) | intergenic |
| 6 | 32626952 | T | C | rs4713572;rs386699564 | 9.46E-06 | 0.131 | 0.196 | 0.62 | 0.49 | -0.78 | 2.23E-03 | 0.176 | 0.240 | 0.68 | 0.53 | -0.86 | 0.64 | 3.94E-07 | HLA-DQB1 | downstream |
| 6 | 32481184 | C | T | rs111481220 | 4.37E-05 | 0.113 | 0.162 | 0.66 | 0.51 | -0.85 | 6.88E-04 | 0.133 | 0.189 | 0.66 | 0.5 | -0.87 | 0.59 | 3.96E-07 | HLA-DRA(dist=68358), HLA-DRB5(dist=3970) | intergenic |
| 6 | 32499154 | C | T | rs111596400 | 1.79E-05 | 0.495 | 0.428 | 0.76 | 0.65 | -0.9 | 1.52E-03 | 0.417 | 0.356 | 0.77 | 0.64 | -0.93 | 0.64 | 3.97E-07 | HLA-DRB5(dist=1148), HLA-DRB6(dist=21336) | intergenic |
| 6 | 32567502 | A | T | rs9270716;rs386699445 | 1.72E-03 | 0.307 | 0.251 | 0.76 | 0.63 | -0.89 | 8.07E-06 | 0.328 | 0.239 | 0.64 | 0.53 | -0.79 | 0.67 | 3.97E-07 | HLA-DRB1(dist=9889), HLA-DQA1(dist=37681) | intergenic |
| 6 | 32643824 | G | T | rs141967600 | 6.17E-04 | 0.197 | 0.253 | 0.73 | 0.59 | -0.89 | 3.95E-05 | 0.178 | 0.255 | 0.63 | 0.49 | -0.8 | 0.65 | 3.97E-07 | HLA-DQB1(dist=9358), HLA-DQA2(dist=65339) | intergenic |
| 6 | 32460038 | G | C | rs114704467 | 2.48E-05 | 0.175 | 0.237 | 0.68 | 0.55 | -0.84 | 1.22E-03 | 0.184 | 0.248 | 0.68 | 0.54 | -0.87 | 0.64 | 3.99E-07 | HLA-DRA(dist=47212), HLA-DRB5(dist=25116) | intergenic |
| 6 | 32674027 | C | G | rs3134969;rs201985750 | 3.09E-05 | 0.305 | 0.236 | 0.70 | 0.59 | -0.84 | 9.74E-04 | 0.288 | 0.224 | 0.71 | 0.58 | -0.88 | 0.66 | 3.99E-07 | HLA-DQB1(dist=39561), HLA-DQA2(dist=35136) | intergenic |
| 6 | 32605336 | G | A | rs386699542;rs9272435 | 5.35E-05 | 0.178 | 0.243 | 0.67 | 0.55 | -0.83 | 5.77E-04 | 0.205 | 0.270 | 0.70 | 0.56 | -0.88 | 0.66 | 4.00E-07 | HLA-DQA1 | intronic |
| 6 | 32571962 | A | C | rs9270902 | 1.30E-03 | 0.305 | 0.247 | 0.75 | 0.62 | -0.89 | 1.22E-05 | 0.323 | 0.236 | 0.65 | 0.53 | -0.79 | 0.67 | 4.02E-07 | HLA-DRB1(dist=14349), HLA-DQA1(dist=33221) | intergenic |
| 6 | 32517933 | T | C | rs62405644;rs386699403 | 1.57E-05 | 0.335 | 0.276 | 0.76 | 0.63 | -0.9 | 1.63E-03 | 0.311 | 0.252 | 0.74 | 0.61 | -0.91 | 0.63 | 4.02E-07 | HLA-DRB5(dist=19927), HLA-DRB6(dist=2557) | intergenic |
| 6 | 32551406 | A | G | rs9269913 | 6.76E-04 | 0.307 | 0.254 | 0.77 | 0.64 | -0.92 | 3.34E-05 | 0.301 | 0.230 | 0.69 | 0.56 | -0.85 | 0.64 | 4.06E-07 | HLA-DRB1 | intronic |
| 6 | 32456513 | A | C | rs75814008 | 1.26E-05 | 0.373 | 0.441 | 0.75 | 0.64 | -0.89 | 2.05E-03 | 0.554 | 0.489 | 0.77 | 0.64 | -0.93 | 0.66 | 4.06E-07 | HLA-DRA(dist=43687), HLA-DRB5(dist=28641) | intergenic |
| 6 | 32460241 | A | C | rs79851609 | 4.73E-05 | 0.177 | 0.237 | 0.69 | 0.56 | -0.85 | 6.72E-04 | 0.181 | 0.249 | 0.67 | 0.52 | -0.85 | 0.65 | 4.06E-07 | HLA-DRA(dist=47415), HLA-DRB5(dist=24913) | intergenic |
| 6 | 32541868 | C | A | rs9269437 | 2.14E-05 | 0.244 | 0.186 | 0.71 | 0.58 | -0.86 | 1.33E-03 | 0.205 | 0.151 | 0.69 | 0.55 | -0.87 | 0.61 | 4.06E-07 | HLA-DRB6(dist=14089), HLA-DRB1(dist=4679) | intergenic |
| 6 | 32484924 | A | G | rs114586378 | 4.13E-06 | 0.443 | 0.365 | 0.72 | 0.61 | -0.85 | 1.24E-02 | 0.312 | 0.265 | 0.80 | 0.65 | -0.97 | 0.64 | 4.07E-07 | HLA-DRB5 | downstream |
| 6 | 32559175 | C | T | rs9270502 | 2.66E-05 | 0.232 | 0.168 | 0.67 | 0.55 | -0.82 | 1.15E-03 | 0.213 | 0.156 | 0.68 | 0.54 | -0.86 | 0.63 | 4.09E-07 | HLA-DRB1(dist=1562), HLA-DQA1(dist=46008) | intergenic |
| 6 | 32459451 | T | C | rs77123178 | 5.75E-05 | 0.121 | 0.172 | 0.67 | 0.52 | -0.85 | 5.49E-04 | 0.127 | 0.182 | 0.66 | 0.5 | -0.87 | 0.58 | 4.09E-07 | HLA-DRA(dist=46625), HLA-DRB5(dist=25703 | |

| | | | | | | | | | | | | | | | | | | | | |
|----|----------|---|---|-----------------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32553542 | T | C | rs33980131 | 3.45E-06 | 0.105 | 0.163 | 0.61 | 0.47 | -0.78 | 5.40E-03 | 0.122 | 0.167 | 0.69 | 0.52 | -0.92 | 0.58 | 4.24E-07 | HLA-DRB1 | intronic |
| 6 | 32544641 | A | G | rs9269570 | 2.19E-05 | 0.255 | 0.195 | 0.71 | 0.59 | -0.86 | 1.43E-03 | 0.200 | 0.148 | 0.70 | 0.55 | -0.88 | 0.61 | 4.24E-07 | HLA-DRB6(dist=16862), HLA-DRB1(dist=1906) | intergenic |
| 6 | 32491879 | C | T | rs72508447 | 4.23E-05 | 0.274 | 0.215 | 0.72 | 0.6 | -0.87 | 7.90E-04 | 0.215 | 0.161 | 0.70 | 0.55 | -0.88 | 0.61 | 4.30E-07 | HLA-DRB5 | intronic |
| 6 | 32523438 | G | C | rs34182525 | 8.65E-06 | 0.239 | 0.181 | 0.70 | 0.58 | -0.85 | 2.64E-03 | 0.200 | 0.149 | 0.70 | 0.55 | -0.88 | 0.61 | 4.32E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32531939 | G | T | rs9269941 | 2.93E-05 | 0.299 | 0.360 | 0.76 | 0.64 | -0.9 | 1.12E-03 | 0.319 | 0.374 | 0.78 | 0.64 | -0.96 | 0.62 | 4.32E-07 | HLA-DRB1 | exonic |
| 6 | 32486358 | T | C | NA | 5.41E-06 | 0.349 | 0.281 | 0.73 | 0.61 | -0.87 | 4.31E-03 | 0.273 | 0.220 | 0.75 | 0.61 | -0.93 | 0.63 | 4.40E-07 | HLA-DQA1(dist=3992), HLA-DQB1(dist=11820) | intergenic |
| 6 | 32502745 | G | C | rs74635045 | 4.00E-05 | 0.145 | 0.202 | 0.67 | 0.54 | -0.84 | 8.64E-04 | 0.141 | 0.202 | 0.65 | 0.5 | -0.85 | 0.62 | 4.40E-07 | HLA-DRB5(dist=4739), HLA-DRB6(dist=17745) | intergenic |
| 6 | 32538164 | A | C | rs111897044 | 2.71E-05 | 0.285 | 0.222 | 0.72 | 0.6 | -0.86 | 1.25E-03 | 0.222 | 0.166 | 0.69 | 0.55 | -0.87 | 0.63 | 4.46E-07 | HLA-DRB6(dist=10385), HLA-DRB1(dist=8383) | intergenic |
| 19 | 52786794 | A | C | rs74507237 | 1.53E-01 | 0.038 | 0.029 | 1.34 | 0.87 | -2.08 | 8.43E-11 | 0.077 | 0.035 | 2.31 | 1.6 | -3.31 | 2.94 | 4.46E-07 | ZNF766 | intronic |
| 6 | 32486625 | G | C | rs142829465 | 1.32E-05 | 0.323 | 0.258 | 0.73 | 0.61 | -0.87 | 2.17E-03 | 0.259 | 0.200 | 0.71 | 0.58 | -0.89 | 0.64 | 4.47E-07 | HLA-DRB5 | intronic |
| 6 | 32594006 | C | A | rs9271759 | 2.36E-05 | 0.160 | 0.228 | 0.64 | 0.52 | -0.8 | 1.45E-03 | 0.154 | 0.216 | 0.66 | 0.51 | -0.85 | 0.66 | 4.48E-07 | HLA-DRB1(dist=36393), HLA-DQA1(dist=11177) | intergenic |
| 6 | 32558092 | C | T | rs9270357 | 9.31E-04 | 0.309 | 0.255 | 0.76 | 0.64 | -0.91 | 2.25E-05 | 0.300 | 0.225 | 0.68 | 0.55 | -0.83 | 0.65 | 4.48E-07 | HLA-DRB1 | upstream |
| 6 | 32504133 | G | A | rs67342079 | 9.41E-06 | 0.231 | 0.172 | 0.69 | 0.57 | -0.84 | 2.56E-03 | 0.198 | 0.147 | 0.70 | 0.55 | -0.88 | 0.61 | 4.48E-07 | HLA-DRB5(dist=6127), HLA-DRB6(dist=16357) | intergenic |
| 6 | 32460025 | G | T | rs144441217 | 3.52E-05 | 0.170 | 0.231 | 0.68 | 0.55 | -0.84 | 9.98E-04 | 0.179 | 0.244 | 0.67 | 0.53 | -0.86 | 0.64 | 4.49E-07 | HLA-DRA(dist=47199), HLA-DRB5(dist=25129) | intergenic |
| 6 | 32489650 | A | G | rs115862317 | 2.13E-05 | 0.242 | 0.184 | 0.70 | 0.58 | -0.86 | 1.48E-03 | 0.203 | 0.152 | 0.70 | 0.55 | -0.89 | 0.61 | 4.49E-07 | HLA-DRB5 | intronic |
| 6 | 32558096 | A | G | rs9270358 | 9.31E-04 | 0.309 | 0.255 | 0.76 | 0.64 | -0.91 | 2.25E-05 | 0.300 | 0.225 | 0.68 | 0.55 | -0.83 | 0.65 | 4.49E-07 | HLA-DRB1 | upstream |
| 6 | 32571669 | C | T | rs28383181 | 1.28E-05 | 0.138 | 0.205 | 0.62 | 0.49 | -0.78 | 2.53E-03 | 0.132 | 0.188 | 0.66 | 0.5 | -0.86 | 0.64 | 4.49E-07 | HLA-DRB1(dist=14056), HLA-DQA1(dist=33514) | intergenic |
| 6 | 32551382 | A | T | rs9269911 | 3.33E-05 | 0.234 | 0.179 | 0.72 | 0.59 | -0.87 | 9.77E-04 | 0.207 | 0.152 | 0.69 | 0.54 | -0.87 | 0.60 | 4.51E-07 | HLA-DRB1 | intronic |
| 6 | 32514284 | A | T | rs66863443 | 1.19E-05 | 0.249 | 0.190 | 0.71 | 0.58 | -0.85 | 2.25E-03 | 0.198 | 0.147 | 0.69 | 0.55 | -0.88 | 0.61 | 4.52E-07 | HLA-DRB5(dist=16278), HLA-DRB6(dist=6206) | intergenic |
| 6 | 32556689 | G | T | rs9270226 | 6.21E-04 | 0.315 | 0.259 | 0.76 | 0.63 | -0.9 | 3.92E-05 | 0.297 | 0.225 | 0.69 | 0.56 | -0.85 | 0.65 | 4.54E-07 | HLA-DRB1 | intronic |
| 6 | 32553026 | G | A | rs9270018 | 2.96E-05 | 0.232 | 0.174 | 0.70 | 0.58 | -0.85 | 1.10E-03 | 0.207 | 0.152 | 0.69 | 0.54 | -0.87 | 0.61 | 4.57E-07 | HLA-DRB1 | intronic |
| 6 | 32460002 | A | C | rs76507644 | 2.94E-05 | 0.177 | 0.239 | 0.69 | 0.56 | -0.85 | 1.22E-03 | 0.182 | 0.245 | 0.68 | 0.54 | -0.87 | 0.64 | 4.58E-07 | HLA-DRA(dist=47176), HLA-DRB5(dist=25152) | intergenic |
| 6 | 32674059 | A | G | rs386699692;rs3134968 | 3.00E-05 | 0.300 | 0.230 | 0.70 | 0.58 | -0.84 | 1.16E-03 | 0.290 | 0.227 | 0.72 | 0.58 | -0.88 | 0.67 | 4.60E-07 | HLA-DQB1(dist=39593), HLA-DQA2(dist=35104) | intergenic |
| 6 | 32610008 | C | T | rs2308890 | 2.67E-05 | 0.144 | 0.210 | 0.64 | 0.51 | -0.8 | 1.28E-03 | 0.147 | 0.211 | 0.65 | 0.5 | -0.84 | 0.65 | 4.61E-07 | HLA-DQA1 | exonic |
| 6 | 32576341 | G | A | rs9271093 | 2.70E-05 | 0.227 | 0.163 | 0.66 | 0.54 | -0.81 | 1.30E-03 | 0.215 | 0.158 | 0.68 | 0.54 | -0.86 | 0.64 | 4.61E-07 | HLA-DRB1(dist=18728), HLA-DQA1(dist=28842) | intergenic |
| 6 | 32542369 | T | C | rs9269473 | 1.44E-03 | 0.326 | 0.275 | 0.78 | 0.66 | -0.94 | 1.72E-05 | 0.321 | 0.241 | 0.67 | 0.55 | -0.82 | 0.65 | 4.61E-07 | HLA-DRB6(dist=14590), HLA-DRB1(dist=4178) | intergenic |
| 6 | 32541974 | C | T | rs9269444 | 2.21E-05 | 0.237 | 0.180 | 0.71 | 0.58 | -0.86 | 1.43E-03 | 0.204 | 0.150 | 0.69 | 0.55 | -0.87 | 0.61 | 4.64E-07 | HLA-DRB6(dist=14195), HLA-DRB1(dist=4573) | intergenic |
| 6 | 32609586 | A | G | rs28383460 | 2.69E-05 | 0.145 | 0.211 | 0.64 | 0.51 | -0.8 | 1.30E-03 | 0.148 | 0.211 | 0.65 | 0.5 | -0.84 | 0.65 | 4.66E-07 | HLA-DQA1 | intronic |
| 6 | 32470283 | C | A | rs145455664 | 9.95E-06 | 0.220 | 0.287 | 0.70 | 0.58 | -0.85 | 3.18E-03 | 0.246 | 0.307 | 0.74 | 0.59 | -0.92 | 0.65 | 4.66E-07 | HLA-DRA(dist=57457), HLA-DRB5(dist=14871) | intergenic |
| 6 | 32609671 | G | A | rs9272736 | 2.48E-05 | 0.138 | 0.202 | 0.63 | 0.5 | -0.8 | 1.35E-03 | 0.147 | 0.210 | 0.65 | 0.5 | -0.84 | 0.65 | 4.67E-07 | HLA-DQA1 | intronic |
| 6 | 32609673 | G | A | rs9272737 | 2.48E-05 | 0.138 | 0.202 | 0.63 | 0.5 | -0.8 | 1.35E-03 | 0.147 | 0.210 | 0.65 | 0.5 | -0.84 | 0.65 | 4.68E-07 | HLA-DQA1 | intronic |
| 6 | 32544650 | T | A | rs9269571 | 2.72E-05 | 0.262 | 0.202 | 0.71 | 0.59 | -0.86 | 1.32E-03 | 0.204 | 0.151 | 0.69 | 0.55 | -0.88 | 0.61 | 4.71E-07 | HLA-DRB6(dist=16871), HLA-DRB1(dist=1897) | intergenic |
| 6 | 32456976 | A | G | rs77213787 | 4.34E-05 | 0.380 | 0.444 | 0.77 | 0.65 | -0.91 | 8.39E-04 | 0.421 | 0.492 | 0.75 | 0.62 | -0.91 | 0.66 | 4.72E-07 | HLA-DRA(dist=44150), HLA-DRB5(dist=28178) | intergenic |
| 6 | 32589668 | C | A | rs9271516 | 2.55E-05 | 0.144 | 0.213 | 0.62 | 0.5 | -0.78 | 1.43E-03 | 0.143 | 0.206 | 0.64 | 0.49 | -0.84 | 0.66 | 4.72E-07 | HLA-DRB1(dist=32055), HLA-DQA1(dist=15515) | intergenic |
| 6 | 32535188 | A | G | rs112114145 | 5.28E-04 | 0.359 | 0.305 | 0.78 | 0.66 | -0.93 | 5.93E-05 | 0.351 | 0.277 | 0.71 | 0.58 | -0.86 | 0.65 | 4.72E-07 | HLA-DRB6(dist=7409), HLA-DRB1(dist=11359) | intergenic |
| 6 | 32455534 | T | A | rs76101360 | 2.30E-05 | 0.167 | 0.222 | 0.70 | 0.56 | -0.87 | 1.53E-03 | 0.172 | 0.228 | 0.70 | 0.55 | -0.9 | 0.62 | 4.73E-07 | HLA-DRA(dist=42708), HLA-DRB5(dist=29620) | intergenic |
| 6 | 32673134 | A | G | rs141593270 | 3.96E-07 | 0.072 | 0.045 | 1.63 | 1.17 | -2.27 | 1.48E-02 | 0.065 | 0.044 | 1.51 | 1.03 | -2.22 | 3.08 | 4.73E-07 | HLA-DQB1(dist=38668), HLA-DQA2(dist=36029) | intergenic |
| 6 | 32505551 | A | G | rs68141957 | 1.30E-05 | 0.223 | 0.167 | 0.70 | 0.57 | -0.85 | 2.07E-03 | 0.195 | 0.144 | 0.69 | 0.55 | -0.88 | 0.60 | 4.77E-07 | HLA-DRB5(dist=7545), HLA-DRB6(dist=14939) | intergenic |
| 6 | 32525259 | T | C | rs28455809 | 1.34E-05 | 0.293 | 0.230 | 0.72 | 0.6 | -0.87 | 2.26E-03 | 0.230 | 0.176 | 0.71 | 0.57 | -0.89 | 0.63 | 4.77E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32456287 | A | T | rs75349662 | 6.24E-06 | 0.425 | 0.499 | 0.74 | 0.63 | -0.87 | 4.28E-03 | 0.501 | 0.443 | 0.79 | 0.66 | -0.95 | 0.67 | 4.79E-07 | HLA-DRA(dist=43461), HLA-DRB5(dist=28867) | intergenic |
| 6 | 32459923 | A | G | rs80072299 | 3.75E-05 | 0.165 | 0.227 | 0.68 | 0.54 | -0.84 | 1.02E-03 | 0.156 | 0.218 | 0.66 | 0.51 | -0.86 | 0.64 | 4.79E-07 | HLA-DRA(dist=47097), HLA-DRB5(dist=25231) | intergenic |
| 6 | 32517119 | G | T | rs71536503 | 8.34E-06 | 0.278 | 0.214 | 0.71 | 0.59 | -0.85 | 3.43E-03 | 0.219 | 0.168 | 0.72 | 0.57 | -0.9 | 0.63 | 4.80E-07 | HLA-DRB5(dist=19113), HLA-DRB6(dist=3371) | intergenic |
| 6 | 32505386 | C | T | rs71549286 | 9.98E-06 | 0.258 | 0.196 | 0.70 | 0.58 | -0.85 | 2.78E-03 | 0.204 | 0.152 | 0.70 | 0.56 | -0.89 | 0.62 | 4.81E-07 | HLA-DRB5(dist=7380), HLA-DRB6(dist=15104) | intergenic |
| 6 | 32534010 | A | G | rs74579911 | 1.11E-05 | 0.287 | 0.223 | 0.71 | 0.59 | -0.85 | 2.87E-03 | 0.210 | 0.158 | 0.71 | 0.56 | -0.89 | 0.63 | 4.84E-07 | HLA-DRB6(dist=6231), HLA-DRB1(dist=12537) | intergenic |
| 6 | 32478484 | T | G | rs111724472 | 5.91E-06 | 0.334 | 0.266 | 0.72 | 0.61 | -0.86 | 4.63E-03 | 0.253 | 0.204 | 0.75 | 0.61 | -0.94 | 0.63 | 4.85E-07 | HLA-DRA(dist=65658), HLA-DRB5(dist=6670) | intergenic |
| 6 | 32609746 | C | T | rs9272744 | 2.84E-05 | 0.146 | 0.211 | 0.64 | 0.51 | -0.8 | 1.29E-03 | 0.148 | 0.212 | 0.65 | 0.5 | -0.84 | 0.65 | 4.86E-07 | HLA-DQA1 | intronic |
| 6 | 32569297 | A | G | rs9270797 | 9.21E-06 | 0.347 | 0.426 | 0.72 | 0.6 | -0.85 | 3.11E-03 | 0.395 | 0.465 | 0.75 | 0.62 | -0.91 | 0.69 | 4.87E-07 | HLA-DRB1(dist=11684), HLA-DQA1(dist=35886) | intergenic |
| 13 | 48110785 | G | A | rs7334231 | 2.55E-07 | 0.050 | 0.119 | 0.39 | 0.27 | -0.56 | 9.69E-02 | 0.077 | 0.092 | 0.83 | 0.58 | -1.17 | 0.56 | 4.89E-07 | HTR2A(dist=639574), LINC00562(dist=393503) | intergenic |
| 6 | 32527235 | G | T | rs28708891 | 6.71E-06 | 0.254 | 0.192 | 0.70 | 0.57 | -0.84 | 3.65E-03 | 0.208 | 0.157 | 0.71 | 0.56 | -0.9 | 0.62 | 4.90E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32523975 | A | G | rs184885287 | 5.22E-05 | 0.133 | 0.187 | 0.67 | 0.53 | -0.84 | 7.45E-04 | 0.117 | 0.169 | 0.65 | 0.49 | -0.87 | 0.60 | 4.91E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32609056 | C | T | rs386699550;rs28383441 | 2.75E-05 | 0.145 | 0.211 | 0.64 | 0.51 | -0.8 | 1.35E-03 | 0.148 | 0.211 | 0.65 | 0.5 | -0.84 | 0.65 | 4.92E-07 | HLA-DQA1 | intronic |
| 6 | 32502295 | C | T | rs75802832 | 7.70E-06 | 0.250 | 0.190 | 0.70 | 0.58 | -0.85 | 3.40E-03 | 0.198 | 0.148 | 0.71 | 0.56 | -0.89 | 0.61 | 4.92E-07 | HLA-DRB5(dist=4289), HLA-DRB6(dist=18195) | intergenic |
| 6 | 32604969 | A | G | rs386699540;rs9272410;rs386699541 | 8.60E-06 | 0.306 | 0.233 | 0.69 | 0.58 | -0.82 | 3.39E-03 | 0.271 | 0.209 | 0.71 | 0.58 | -0.88 | 0.66 | 4.93E-07 | HLA-DQA1 | upstream |
| 6 | 32503011 | A | C | rs75940183 | 6.52E-06 | 0.250 | 0.189 | 0.70 | 0.58 | -0.85 | 3.84E-03 | 0.201 | 0.152 | 0.71 | 0.56 | -0.9 | 0.61 | 4.98E-07 | HLA-DRB5(dist=5005), HLA-DRB6(dist=17479) | intergenic |
| 6 | 32608537 | A | C | rs28383418 | 3.20E-05 | 0.145 | 0.210 | 0.64 | 0.51 | -0.8 | 1.21E-03 | 0.143 | 0.206 | 0.64 | 0.49 | -0.84 | 0.65 | 4.98E-07 | HLA-DQA1 | intronic |
| 6 | 32609042 | C | A | rs28383439;rs386699550 | 2.77E-05 | 0.145 | 0.210 | 0.64 | 0.51 | -0.8 | 1.36E-03 | 0.148 | 0.211 | 0.65 | 0.5 | -0.84 | 0.65 | 4.98E-07 | HLA-DQA1 | intronic |
| 6 | 32495952 | A | G | rs190670956 | 3.32E-06 | 0.359 | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|-------------|----------|-------|-------|------|-------------|------|----------|--|----------------|
| 6 | 32604826 | T | A | rs9272393 | 9.68E-04 | 0.420 | 0.487 | 0.76 | 0.64 - 0.9 | 2.62E-05 | 0.385 | 0.485 | 0.67 | 0.55 - 0.81 | 0.71 | 5.14E-07 | HLA-DQA1 | upstream |
| 6 | 32558176 | G | A | rs28357082 | 2.10E-05 | 0.110 | 0.159 | 0.66 | 0.51 - 0.84 | 1.91E-03 | 0.116 | 0.166 | 0.66 | 0.49 - 0.88 | 0.57 | 5.15E-07 | HLA-DRB1 | upstream |
| 6 | 32553740 | G | C | rs9270050 | 4.35E-05 | 0.241 | 0.182 | 0.70 | 0.58 - 0.85 | 9.22E-04 | 0.211 | 0.154 | 0.68 | 0.54 - 0.86 | 0.62 | 5.17E-07 | HLA-DRB1 | intronic |
| 6 | 32514791 | G | T | rs71534543;rs151292482 | 1.40E-05 | 0.246 | 0.187 | 0.71 | 0.58 - 0.86 | 2.18E-03 | 0.201 | 0.149 | 0.70 | 0.55 - 0.88 | 0.61 | 5.17E-07 | HLA-DRB5(dist=16785), HLA-DRB6(dist=5699) | intergenic |
| 6 | 32542011 | C | T | rs9269448 | 2.56E-05 | 0.237 | 0.181 | 0.71 | 0.58 - 0.86 | 1.41E-03 | 0.204 | 0.151 | 0.69 | 0.55 - 0.87 | 0.61 | 5.17E-07 | HLA-DRB6(dist=14232), HLA-DRB1(dist=4536) | intergenic |
| 6 | 32609456 | C | T | rs28383457 | 2.94E-05 | 0.245 | 0.210 | 0.64 | 0.51 - 0.8 | 1.34E-03 | 0.148 | 0.211 | 0.65 | 0.5 - 0.84 | 0.65 | 5.19E-07 | HLA-DQA1 | intronic |
| 6 | 32610403 | C | A | rs386699558;rs3188543 | 3.05E-05 | 0.142 | 0.205 | 0.64 | 0.51 - 0.8 | 1.28E-03 | 0.148 | 0.211 | 0.65 | 0.5 - 0.84 | 0.65 | 5.21E-07 | HLA-DQA1 | exonic |
| 6 | 32573040 | A | G | rs9270952 | 2.31E-03 | 0.325 | 0.269 | 0.77 | 0.64 - 0.91 | 7.36E-06 | 0.331 | 0.241 | 0.64 | 0.53 - 0.79 | 0.68 | 5.25E-07 | HLA-DRB1(dist=15427), HLA-DQA1(dist=32143) | intergenic |
| 6 | 32480093 | T | A | rs78562376 | 5.74E-05 | 0.441 | 0.379 | 0.77 | 0.66 - 0.91 | 7.36E-04 | 0.418 | 0.352 | 0.76 | 0.63 - 0.92 | 0.65 | 5.26E-07 | HLA-DRA(dist=67267), HLA-DRB5(dist=5061) | intergenic |
| 6 | 32551350 | T | A | rs9269910 | 3.90E-05 | 0.233 | 0.179 | 0.72 | 0.59 - 0.87 | 9.98E-04 | 0.209 | 0.154 | 0.69 | 0.55 - 0.87 | 0.61 | 5.27E-07 | HLA-DRB1 | intronic |
| 6 | 32514566 | T | C | rs62405633 | 2.31E-05 | 0.270 | 0.212 | 0.73 | 0.6 - 0.88 | 1.54E-03 | 0.236 | 0.177 | 0.70 | 0.56 - 0.87 | 0.63 | 5.29E-07 | HLA-DRB5(dist=16560), HLA-DRB6(dist=5924) | intergenic |
| 6 | 32498584 | C | A | rs16870187 | 6.41E-06 | 0.284 | 0.221 | 0.72 | 0.6 - 0.86 | 4.58E-03 | 0.186 | 0.139 | 0.71 | 0.56 - 0.9 | 0.62 | 5.33E-07 | HLA-DRB5 | upstream |
| 6 | 32609855 | A | C | rs1048173 | 2.47E-05 | 0.146 | 0.212 | 0.64 | 0.51 - 0.8 | 1.61E-03 | 0.149 | 0.212 | 0.65 | 0.5 - 0.85 | 0.65 | 5.35E-07 | HLA-DQA1 | exonic |
| 6 | 32553508 | A | G | rs9270040 | 3.80E-05 | 0.239 | 0.183 | 0.71 | 0.58 - 0.86 | 1.07E-03 | 0.211 | 0.156 | 0.69 | 0.55 - 0.87 | 0.62 | 5.37E-07 | HLA-DRB1 | intronic |
| 6 | 32480199 | C | A | rs116751091 | 3.32E-05 | 0.286 | 0.226 | 0.73 | 0.61 - 0.87 | 1.26E-03 | 0.226 | 0.171 | 0.71 | 0.57 - 0.89 | 0.63 | 5.40E-07 | HLA-DRA(dist=67373), HLA-DRB5(dist=4955) | intergenic |
| 6 | 32526731 | A | C | rs72845730 | 2.27E-03 | 0.305 | 0.255 | 0.78 | 0.65 - 0.93 | 1.18E-05 | 0.327 | 0.243 | 0.66 | 0.54 - 0.81 | 0.65 | 5.40E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32526670 | G | A | rs34195497 | 1.88E-05 | 0.213 | 0.158 | 0.69 | 0.57 - 0.85 | 1.90E-03 | 0.183 | 0.135 | 0.70 | 0.54 - 0.89 | 0.59 | 5.41E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32640217 | A | G | rs23955232 | 2.32E-05 | 0.330 | 0.261 | 0.72 | 0.6 - 0.86 | 1.70E-03 | 0.294 | 0.233 | 0.73 | 0.59 - 0.89 | 0.67 | 5.45E-07 | HLA-DQB1(dist=5751), HLA-DQA2(dist=68946) | intergenic |
| 6 | 32505640 | G | A | rs72508471 | 1.38E-05 | 0.249 | 0.191 | 0.71 | 0.58 - 0.86 | 2.31E-03 | 0.202 | 0.149 | 0.69 | 0.55 - 0.88 | 0.61 | 5.46E-07 | HLA-DRB5(dist=7634), HLA-DRB6(dist=14850) | intergenic |
| 6 | 32576887 | C | T | rs9271127 | 1.38E-03 | 0.372 | 0.316 | 0.78 | 0.66 - 0.92 | 1.90E-05 | 0.361 | 0.277 | 0.68 | 0.56 - 0.82 | 0.67 | 5.49E-07 | HLA-DRB1(dist=19274), HLA-DQA1(dist=28296) | intergenic |
| 6 | 32609634 | A | G | rs9272730 | 2.54E-05 | 0.126 | 0.186 | 0.63 | 0.5 - 0.8 | 1.56E-03 | 0.134 | 0.194 | 0.64 | 0.49 - 0.84 | 0.63 | 5.50E-07 | HLA-DQA1 | intronic |
| 6 | 32608622 | G | A | rs28383419 | 3.64E-05 | 0.141 | 0.205 | 0.64 | 0.51 - 0.8 | 1.18E-03 | 0.144 | 0.207 | 0.64 | 0.49 - 0.84 | 0.65 | 5.51E-07 | HLA-DQA1 | intronic |
| 6 | 32571897 | A | G | rs12211942 | 1.62E-05 | 0.145 | 0.213 | 0.63 | 0.5 - 0.79 | 2.51E-03 | 0.143 | 0.203 | 0.66 | 0.5 - 0.85 | 0.65 | 5.51E-07 | HLA-DRB1(dist=14284), HLA-DQA1(dist=33286) | intergenic |
| 6 | 32524081 | A | G | rs143315922 | 1.54E-05 | 0.182 | 0.242 | 0.69 | 0.56 - 0.85 | 2.81E-03 | 0.180 | 0.229 | 0.74 | 0.58 - 0.94 | 0.62 | 5.52E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32609647 | T | G | rs9272732 | 2.62E-05 | 0.126 | 0.186 | 0.63 | 0.5 - 0.81 | 1.53E-03 | 0.134 | 0.194 | 0.64 | 0.49 - 0.84 | 0.63 | 5.53E-07 | HLA-DQA1 | intronic |
| 6 | 32609645 | T | C | rs9272731 | 2.62E-05 | 0.126 | 0.186 | 0.63 | 0.5 - 0.81 | 1.52E-03 | 0.134 | 0.194 | 0.64 | 0.49 - 0.84 | 0.63 | 5.53E-07 | HLA-DQA1 | intronic |
| 6 | 32396079 | G | A | rs75487304 | 3.31E-06 | 0.160 | 0.105 | 1.62 | 1.29 - 2.04 | 8.26E-03 | 0.142 | 0.099 | 1.51 | 1.15 - 1.98 | 1.72 | 5.54E-07 | BTNL2(dist=21172), HLA-DRA(dist=11540) | intergenic |
| 6 | 32527221 | G | A | rs28490365 | 8.01E-06 | 0.254 | 0.192 | 0.70 | 0.58 - 0.84 | 3.62E-03 | 0.207 | 0.157 | 0.71 | 0.56 - 0.89 | 0.62 | 5.54E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32495927 | T | G | rs112475986 | 8.82E-06 | 0.360 | 0.292 | 0.73 | 0.62 - 0.87 | 3.66E-03 | 0.273 | 0.223 | 0.76 | 0.62 - 0.94 | 0.64 | 5.55E-07 | HLA-DRB5 | intronic |
| 6 | 32609652 | T | A | rs9272733 | 2.63E-05 | 0.126 | 0.185 | 0.63 | 0.5 - 0.8 | 1.53E-03 | 0.134 | 0.194 | 0.64 | 0.49 - 0.84 | 0.63 | 5.55E-07 | HLA-DQA1 | intronic |
| 6 | 32482142 | T | C | rs111342235 | 2.67E-05 | 0.293 | 0.230 | 0.72 | 0.6 - 0.86 | 1.58E-03 | 0.231 | 0.175 | 0.71 | 0.56 - 0.88 | 0.63 | 5.56E-07 | HLA-DRA(dist=69316), HLA-DRB5(dist=3012) | intergenic |
| 6 | 32556487 | T | C | rs9270211 | 9.15E-04 | 0.312 | 0.257 | 0.76 | 0.64 - 0.91 | 2.89E-05 | 0.294 | 0.222 | 0.68 | 0.56 - 0.84 | 0.65 | 5.56E-07 | HLA-DRB1 | intronic |
| 6 | 32517934 | G | A | rs386699403;rs62405645 | 2.02E-03 | 0.420 | 0.374 | 0.82 | 0.7 - 0.97 | 1.33E-05 | 0.440 | 0.353 | 0.69 | 0.58 - 0.84 | 0.66 | 5.57E-07 | HLA-DRB5(dist=19928), HLA-DRB6(dist=2556) | intergenic |
| 2 | 143252441 | A | G | rs55673017 | 1.74E-03 | 0.047 | 0.026 | 1.86 | 1.24 - 2.81 | 3.11E-05 | 0.063 | 0.039 | 1.67 | 1.13 - 2.47 | 2.97 | 5.58E-07 | LRP1B(dist=363171), KYNLU(dist=382754) | intergenic |
| 6 | 32551278 | G | C | rs9269904 | 3.36E-05 | 0.265 | 0.205 | 0.71 | 0.59 - 0.86 | 1.31E-03 | 0.212 | 0.157 | 0.69 | 0.55 - 0.87 | 0.62 | 5.59E-07 | HLA-DRB1 | intronic |
| 6 | 32493460 | T | C | rs115791752 | 3.13E-05 | 0.290 | 0.227 | 0.72 | 0.6 - 0.86 | 1.40E-03 | 0.217 | 0.163 | 0.70 | 0.56 - 0.88 | 0.63 | 5.61E-07 | HLA-DRB5 | intronic |
| 6 | 32514301 | C | T | rs115729463 | 1.54E-03 | 0.332 | 0.281 | 0.79 | 0.66 - 0.94 | 2.20E-05 | 0.338 | 0.256 | 0.67 | 0.55 - 0.82 | 0.66 | 5.64E-07 | HLA-DRB5(dist=16295), HLA-DRB6(dist=6189) | intergenic |
| 6 | 32553053 | G | C | rs9270019 | 4.22E-05 | 0.225 | 0.169 | 0.70 | 0.57 - 0.86 | 1.01E-03 | 0.206 | 0.150 | 0.68 | 0.54 - 0.86 | 0.61 | 5.65E-07 | HLA-DRB1 | intronic |
| 6 | 32541581 | T | C | rs9269427 | 1.63E-03 | 0.331 | 0.278 | 0.78 | 0.65 - 0.93 | 1.77E-05 | 0.328 | 0.246 | 0.67 | 0.55 - 0.82 | 0.66 | 5.65E-07 | HLA-DRB6(dist=13802), HLA-DRB1(dist=4966) | intergenic |
| 6 | 32486756 | T | G | rs201764379;rs73405151 | 1.38E-05 | 0.246 | 0.186 | 0.70 | 0.58 - 0.85 | 2.69E-03 | 0.187 | 0.139 | 0.70 | 0.55 - 0.89 | 0.61 | 5.67E-07 | HLA-DRB5 | intronic |
| 6 | 32460093 | T | C | rs112985748 | 5.53E-05 | 0.160 | 0.215 | 0.69 | 0.56 - 0.86 | 8.23E-04 | 0.177 | 0.243 | 0.67 | 0.53 - 0.85 | 0.63 | 5.68E-07 | HLA-DRA(dist=47267), HLA-DRB5(dist=25061) | intergenic |
| 6 | 32513250 | C | G | rs72844104 | 3.07E-05 | 0.273 | 0.216 | 0.73 | 0.61 - 0.88 | 1.31E-03 | 0.242 | 0.181 | 0.69 | 0.56 - 0.86 | 0.63 | 5.72E-07 | HLA-DRB5(dist=15244), HLA-DRB6(dist=7240) | intergenic |
| 6 | 32517398 | G | A | rs28880026 | 1.35E-06 | 0.224 | 0.162 | 0.67 | 0.55 - 0.82 | 1.16E-02 | 0.173 | 0.133 | 0.73 | 0.57 - 0.94 | 0.60 | 5.75E-07 | HLA-DRB5(dist=19392), HLA-DRB6(dist=3092) | intergenic |
| 6 | 32513249 | A | G | rs72844103 | 3.08E-05 | 0.273 | 0.216 | 0.73 | 0.61 - 0.88 | 1.32E-03 | 0.242 | 0.181 | 0.69 | 0.56 - 0.86 | 0.63 | 5.77E-07 | HLA-DRB5(dist=15243), HLA-DRB6(dist=7241) | intergenic |
| 6 | 32496295 | A | T | rs115731929 | 4.62E-05 | 0.309 | 0.247 | 0.73 | 0.61 - 0.88 | 1.01E-03 | 0.246 | 0.189 | 0.71 | 0.57 - 0.89 | 0.63 | 5.79E-07 | HLA-DRB5 | intronic |
| 6 | 32607288 | G | A | rs28383381 | 3.01E-05 | 0.146 | 0.211 | 0.64 | 0.51 - 0.8 | 1.47E-03 | 0.150 | 0.213 | 0.65 | 0.5 - 0.85 | 0.65 | 5.80E-07 | HLA-DQA1 | intronic |
| 6 | 32459999 | C | G | rs79054061 | 3.19E-05 | 0.172 | 0.234 | 0.68 | 0.55 - 0.84 | 1.46E-03 | 0.175 | 0.238 | 0.68 | 0.53 - 0.87 | 0.64 | 5.81E-07 | HLA-DRA(dist=47173), HLA-DRB5(dist=25155) | intergenic |
| 6 | 32480371 | A | G | NA | 8.56E-06 | 0.288 | 0.223 | 0.71 | 0.59 - 0.85 | 4.25E-03 | 0.204 | 0.157 | 0.73 | 0.58 - 0.92 | 0.62 | 5.83E-07 | HLA-DQA1(dist=3992), HLA-DQB1(dist=11820) | intergenic |
| 6 | 32611849 | A | C | rs9273031 | 3.26E-05 | 0.141 | 0.203 | 0.64 | 0.51 - 0.81 | 1.34E-03 | 0.148 | 0.211 | 0.65 | 0.5 - 0.84 | 0.65 | 5.86E-07 | HLA-DQA1 | downstream |
| 6 | 32525868 | T | A | rs192421684 | 2.85E-05 | 0.146 | 0.200 | 0.68 | 0.55 - 0.86 | 1.61E-03 | 0.168 | 0.226 | 0.69 | 0.54 - 0.89 | 0.61 | 5.87E-07 | HLA-DRB6 | ncRNA_exonic |
| 6 | 32647761 | C | T | rs28371232 | 9.14E-04 | 0.183 | 0.238 | 0.72 | 0.58 - 0.88 | 3.47E-05 | 0.145 | 0.223 | 0.59 | 0.45 - 0.77 | 0.66 | 5.88E-07 | HLA-DQB1(dist=13295), HLA-DQA2(dist=61402) | intergenic |
| 6 | 32644305 | G | A | rs28755229 | 2.80E-03 | 0.208 | 0.256 | 0.76 | 0.62 - 0.93 | 7.79E-06 | 0.170 | 0.255 | 0.60 | 0.47 - 0.77 | 0.66 | 5.91E-07 | HLA-DQB1(dist=9839), HLA-DQA2(dist=64858) | intergenic |
| 20 | 62100266 | T | G | rs914467 | 1.72E-02 | 0.101 | 0.071 | 1.46 | 1.11 - 1.93 | 1.23E-06 | 0.140 | 0.093 | 1.59 | 1.21 - 2.09 | 1.97 | 5.91E-07 | KCNQ2 | intronic |
| 6 | 32489766 | A | G | rs41562819 | 1.44E-06 | 0.559 | 0.480 | 0.73 | 0.62 - 0.86 | 1.26E-02 | 0.478 | 0.424 | 0.80 | 0.67 - 0.97 | 0.66 | 5.93E-07 | HLA-DRB5 | exonic |
| 6 | 32502934 | A | G | rs75211336 | 5.97E-05 | 0.141 | 0.196 | 0.67 | 0.54 - 0.85 | 8.10E-04 | 0.140 | 0.202 | 0.64 | 0.49 - 0.84 | 0.63 | 5.94E-07 | HLA-DRB5(dist=4928), HLA-DRB6(dist=17556) | intergenic |
| 6 | 32540127 | T | C | rs9269333 | 8.12E-04 | 0.334 | 0.277 | 0.76 | 0.64 - 0.91 | 4.63E-05 | 0.330 | 0.250 | 0.68 | 0.55 - 0.83 | 0.67 | 5.97E-07 | HLA-DRB6(dist=12348), HLA-DRB1(dist=6420) | intergenic |
| 6 | 32608417 | G | A | rs28383413 | 2.90E-05 | 0.144 | 0.209 | 0.64 | 0.51 - 0.8 | 1.57E-03 | 0.148 | 0.211 | 0.65 | 0.5 - 0.84 | 0.66 | 5.97E-07 | HLA-DQA1 | intronic |
| 6 | 32539590 | A | G | rs9269306 | 5.42E-03 | 0.409 | 0.364 | 0.83 | 0.7 - 0.98 | 2.13E-06 | 0.393 | 0.307 | 0.68 | 0.56 - 0.83 | 0.65 | 5.98E-07 | HLA-DRB6(dist=11811), HLA-DRB1(dist=6957) | intergenic |
| 6 | 32482278 | C | G | rs116082814 | 8.13E-06 | 0.354 | 0.284 | 0.73 | 0.61 - 0.86 | 4.33E-03 | 0. | | | | | | | |

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|---|----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32454744 | C | T | rs145704749 | 3.76E-05 | 0.307 | 0.245 | 0.73 | 0.61 | -0.88 | 1.25E-03 | 0.270 | 0.211 | 0.72 | 0.58 | -0.89 | 0.64 | 6.10E-07 | HLA-DRA(dist=41918), HLA-DRB5(dist=30410) | intergenic |
| 6 | 32553751 | T | C | rs9270051 | 5.29E-05 | 0.233 | 0.177 | 0.71 | 0.58 | -0.86 | 9.01E-04 | 0.210 | 0.153 | 0.68 | 0.54 | -0.86 | 0.62 | 6.11E-07 | HLA-DRB1 | intronic |
| 6 | 32610134 | G | A | rs75076975 | 3.51E-05 | 0.140 | 0.203 | 0.64 | 0.51 | -0.8 | 1.34E-03 | 0.148 | 0.211 | 0.65 | 0.5 | -0.84 | 0.65 | 6.14E-07 | HLA-DQA1 | intronic |
| 6 | 32502517 | C | T | rs77697582 | 5.45E-05 | 0.145 | 0.201 | 0.67 | 0.54 | -0.85 | 9.19E-04 | 0.142 | 0.203 | 0.65 | 0.5 | -0.84 | 0.63 | 6.15E-07 | HLA-DRB5(dist=4511), HLA-DRB6(dist=17973) | intergenic |
| 6 | 32519005 | C | T | rs28490179 | 2.50E-06 | 0.233 | 0.172 | 0.68 | 0.56 | -0.83 | 7.63E-03 | 0.211 | 0.165 | 0.74 | 0.59 | -0.93 | 0.61 | 6.17E-07 | HLA-DRB5(dist=20999), HLA-DRB6(dist=1485) | intergenic |
| 6 | 32607320 | A | C | rs28383382 | 3.27E-05 | 0.146 | 0.210 | 0.64 | 0.51 | -0.8 | 1.46E-03 | 0.149 | 0.212 | 0.65 | 0.5 | -0.84 | 0.65 | 6.19E-07 | HLA-DQA1 | intronic |
| 6 | 32543687 | G | T | rs9269526 | 3.19E-04 | 0.383 | 0.436 | 0.80 | 0.68 | -0.95 | 2.00E-07 | 0.380 | 0.477 | 0.67 | 0.55 | -0.81 | 0.53 | 6.20E-07 | HLA-DRB6(dist=15908), HLA-DRB1(dist=2860) | intergenic |
| 6 | 32489214 | G | T | rs116370429 | 1.98E-05 | 0.296 | 0.232 | 0.72 | 0.6 | -0.86 | 2.24E-03 | 0.203 | 0.151 | 0.70 | 0.55 | -0.88 | 0.63 | 6.25E-07 | HLA-DRB5 | intronic |
| 6 | 32502447 | A | C | rs74816744 | 1.26E-05 | 0.272 | 0.212 | 0.72 | 0.6 | -0.87 | 2.96E-03 | 0.203 | 0.152 | 0.70 | 0.56 | -0.89 | 0.62 | 6.25E-07 | HLA-DRB5(dist=4441), HLA-DRB6(dist=18043) | intergenic |
| 6 | 32485294 | T | A | rs1137470 | 1.11E-05 | 0.363 | 0.296 | 0.74 | 0.62 | -0.88 | 3.60E-03 | 0.266 | 0.213 | 0.75 | 0.6 | -0.92 | 0.64 | 6.28E-07 | HLA-DRB5(NM_002125:c.*222A>T) | UTR3 |
| 6 | 32611898 | A | C | rs9273036 | 3.60E-05 | 0.139 | 0.202 | 0.64 | 0.51 | -0.8 | 1.33E-03 | 0.148 | 0.211 | 0.65 | 0.5 | -0.84 | 0.65 | 6.30E-07 | HLA-DQA1 | downstream |
| 6 | 32551698 | T | C | rs9269930 | 7.11E-04 | 0.355 | 0.301 | 0.78 | 0.66 | -0.93 | 5.76E-05 | 0.336 | 0.263 | 0.70 | 0.58 | -0.86 | 0.65 | 6.32E-07 | HLA-DRB1 | intronic |
| 6 | 32507539 | C | G | rs71534510 | 1.98E-05 | 0.268 | 0.206 | 0.71 | 0.59 | -0.86 | 2.23E-03 | 0.208 | 0.155 | 0.70 | 0.55 | -0.88 | 0.63 | 6.32E-07 | HLA-DRB5(dist=9533), HLA-DRB6(dist=12951) | intergenic |
| 6 | 32507310 | C | C | rs112959132 | 3.94E-06 | 0.299 | 0.231 | 0.71 | 0.59 | -0.85 | 6.93E-03 | 0.243 | 0.196 | 0.76 | 0.61 | -0.94 | 0.63 | 6.33E-07 | HLA-DRB5(dist=9304), HLA-DRB6(dist=13180) | intergenic |
| 6 | 32525270 | T | C | rs28615351 | 1.64E-05 | 0.294 | 0.232 | 0.73 | 0.61 | -0.87 | 2.55E-03 | 0.230 | 0.177 | 0.72 | 0.57 | -0.9 | 0.63 | 6.35E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32647701 | T | A | rs3129780 | 1.12E-05 | 0.552 | 0.469 | 0.72 | 0.61 | -0.85 | 3.41E-03 | 0.565 | 0.493 | 0.75 | 0.62 | -0.91 | 0.70 | 6.35E-07 | HLA-DQB1(dist=13235), HLA-DQA2(dist=61462) | intergenic |
| 6 | 32644135 | G | A | rs28755216 | 1.57E-03 | 0.207 | 0.259 | 0.75 | 0.61 | -0.91 | 1.90E-05 | 0.163 | 0.242 | 0.61 | 0.48 | -0.78 | 0.66 | 6.37E-07 | HLA-DQB1(dist=9669), HLA-DQA2(dist=65028) | intergenic |
| 6 | 32482279 | A | G | rs114716760 | 6.64E-06 | 0.344 | 0.274 | 0.72 | 0.61 | -0.86 | 5.47E-03 | 0.299 | 0.247 | 0.77 | 0.63 | -0.94 | 0.64 | 6.41E-07 | HLA-DRA(dist=69453), HLA-DRB5(dist=2875) | intergenic |
| 6 | 32604642 | A | G | rs9272368;rs386699536 | 8.32E-04 | 0.123 | 0.167 | 0.70 | 0.55 | -0.89 | 5.81E-05 | 0.135 | 0.208 | 0.60 | 0.46 | -0.78 | 0.62 | 6.42E-07 | HLA-DQA1 | upstream |
| 6 | 32505394 | G | A | rs71534503 | 1.10E-05 | 0.258 | 0.197 | 0.70 | 0.58 | -0.85 | 3.42E-03 | 0.202 | 0.151 | 0.71 | 0.56 | -0.89 | 0.62 | 6.42E-07 | HLA-DRB5(dist=7388), HLA-DRB6(dist=15096) | intergenic |
| 6 | 32543048 | G | C | rs9269495 | 2.98E-05 | 0.232 | 0.175 | 0.70 | 0.58 | -0.86 | 1.65E-03 | 0.199 | 0.150 | 0.71 | 0.56 | -0.9 | 0.60 | 6.47E-07 | HLA-DRB6(dist=15269), HLA-DRB1(dist=3499) | intronic |
| 6 | 32607950 | G | A | rs28383400 | 1.14E-03 | 0.239 | 0.297 | 0.75 | 0.62 | -0.9 | 3.16E-05 | 0.201 | 0.288 | 0.62 | 0.49 | -0.78 | 0.68 | 6.51E-07 | HLA-DQA1 | intergenic |
| 6 | 32608108 | C | T | rs28383405 | 3.13E-05 | 0.142 | 0.206 | 0.64 | 0.51 | -0.8 | 1.58E-03 | 0.148 | 0.211 | 0.65 | 0.5 | -0.85 | 0.65 | 6.51E-07 | HLA-DQA1 | intronic |
| 6 | 32460798 | G | C | rs113534515 | 3.11E-05 | 0.319 | 0.255 | 0.73 | 0.61 | -0.87 | 1.67E-03 | 0.246 | 0.192 | 0.73 | 0.58 | -0.9 | 0.64 | 6.52E-07 | HLA-DRA(dist=47972), HLA-DRB5(dist=24356) | intergenic |
| 6 | 32597538 | C | G | rs3104385 | 2.84E-05 | 0.179 | 0.247 | 0.67 | 0.54 | -0.82 | 1.86E-03 | 0.161 | 0.223 | 0.67 | 0.52 | -0.86 | 0.66 | 6.54E-07 | HLA-DRB1(dist=39925), HLA-DQA1(dist=7645) | intergenic |
| 6 | 32474975 | G | A | rs146824203 | 6.74E-06 | 0.235 | 0.304 | 0.70 | 0.58 | -0.85 | 5.91E-03 | 0.251 | 0.309 | 0.75 | 0.61 | -0.93 | 0.65 | 6.58E-07 | HLA-DRA(dist=62149), HLA-DRB5(dist=10179) | intergenic |
| 6 | 32608707 | T | C | rs28383420 | 3.48E-05 | 0.138 | 0.201 | 0.64 | 0.51 | -0.8 | 1.47E-03 | 0.143 | 0.204 | 0.65 | 0.5 | -0.85 | 0.65 | 6.60E-07 | HLA-DQA1 | intronic |
| 6 | 32518996 | T | G | rs80250300 | 4.10E-05 | 0.115 | 0.167 | 0.65 | 0.51 | -0.83 | 1.28E-03 | 0.124 | 0.181 | 0.64 | 0.48 | -0.85 | 0.61 | 6.61E-07 | HLA-DRB5(dist=20990), HLA-DRB6(dist=1494) | intergenic |
| 6 | 32485397 | G | A | rs112749594 | 2.23E-05 | 0.350 | 0.284 | 0.74 | 0.62 | -0.88 | 2.19E-03 | 0.248 | 0.194 | 0.73 | 0.59 | -0.91 | 0.64 | 6.62E-07 | HLA-DRB5 | UTR3 |
| 6 | 32551197 | C | T | rs9269902 | 4.70E-05 | 0.239 | 0.184 | 0.72 | 0.59 | -0.87 | 1.12E-03 | 0.207 | 0.153 | 0.69 | 0.55 | -0.88 | 0.61 | 6.63E-07 | HLA-DRB1 | intronic |
| 6 | 32608856 | C | T | rs28383431 | 2.65E-05 | 0.143 | 0.207 | 0.64 | 0.51 | -0.8 | 1.95E-03 | 0.140 | 0.200 | 0.65 | 0.5 | -0.85 | 0.65 | 6.64E-07 | HLA-DQA1 | intronic |
| 6 | 32607973 | G | A | rs28383401 | 2.97E-05 | 0.144 | 0.209 | 0.64 | 0.51 | -0.8 | 1.73E-03 | 0.149 | 0.212 | 0.66 | 0.51 | -0.85 | 0.66 | 6.69E-07 | HLA-DQA1 | intronic |
| 6 | 32502393 | G | T | rs77314213 | 1.87E-05 | 0.254 | 0.193 | 0.71 | 0.58 | -0.85 | 2.42E-03 | 0.201 | 0.149 | 0.70 | 0.55 | -0.88 | 0.62 | 6.70E-07 | HLA-DRB5(dist=4387), HLA-DRB6(dist=18097) | intergenic |
| 6 | 32493485 | C | T | rs114034929 | 4.42E-05 | 0.281 | 0.218 | 0.72 | 0.6 | -0.86 | 1.25E-03 | 0.216 | 0.162 | 0.70 | 0.56 | -0.88 | 0.63 | 6.76E-07 | HLA-DRB5 | intronic |
| 6 | 32553117 | T | G | rs9270021 | 4.49E-05 | 0.225 | 0.169 | 0.70 | 0.57 | -0.86 | 1.16E-03 | 0.206 | 0.151 | 0.69 | 0.54 | -0.87 | 0.62 | 6.78E-07 | HLA-DRB1 | intronic |
| 6 | 32608844 | A | G | rs28383429 | 2.71E-05 | 0.143 | 0.207 | 0.64 | 0.51 | -0.8 | 1.96E-03 | 0.140 | 0.200 | 0.65 | 0.5 | -0.85 | 0.65 | 6.80E-07 | HLA-DQA1 | intronic |
| 6 | 32459175 | T | G | rs186920750 | 4.56E-06 | 0.282 | 0.347 | 0.74 | 0.62 | -0.89 | 6.29E-03 | 0.348 | 0.406 | 0.78 | 0.64 | -0.95 | 0.65 | 6.82E-07 | HLA-DRA(dist=46349), HLA-DRB5(dist=25979) | intergenic |
| 6 | 32525850 | T | C | rs57583084 | 2.36E-05 | 0.280 | 0.219 | 0.72 | 0.6 | -0.87 | 2.08E-03 | 0.214 | 0.159 | 0.70 | 0.55 | -0.88 | 0.63 | 6.82E-07 | HLA-DRB6 | ncRNA_exonic |
| 6 | 32537950 | C | T | rs113947393 | 2.38E-03 | 0.390 | 0.339 | 0.80 | 0.68 | -0.95 | 1.28E-05 | 0.347 | 0.263 | 0.67 | 0.55 | -0.82 | 0.66 | 6.84E-07 | HLA-DRB6(dist=10171), HLA-DRB1(dist=8597) | intergenic |
| 6 | 32506993 | G | A | rs74500484 | 2.05E-05 | 0.246 | 0.188 | 0.71 | 0.59 | -0.86 | 2.35E-03 | 0.195 | 0.145 | 0.67 | 0.55 | -0.89 | 0.61 | 6.85E-07 | HLA-DRB5(dist=8987), HLA-DRB6(dist=13497) | intergenic |
| 6 | 32513377 | C | T | rs66717749 | 4.96E-05 | 0.266 | 0.212 | 0.74 | 0.62 | -0.9 | 1.03E-03 | 0.243 | 0.182 | 0.69 | 0.55 | -0.86 | 0.63 | 6.87E-07 | HLA-DRB5(dist=15371), HLA-DRB6(dist=7113) | intergenic |
| 6 | 32518296 | A | G | rs147613123 | 2.47E-03 | 0.396 | 0.344 | 0.80 | 0.67 | -0.94 | 1.12E-05 | 0.399 | 0.310 | 0.68 | 0.56 | -0.82 | 0.67 | 6.87E-07 | HLA-DRB5(dist=20290), HLA-DRB6(dist=2194) | intergenic |
| 6 | 32545385 | G | A | rs35517695 | 4.27E-05 | 0.113 | 0.165 | 0.65 | 0.5 | -0.83 | 1.33E-03 | 0.112 | 0.165 | 0.64 | 0.48 | -0.86 | 0.60 | 6.88E-07 | HLA-DRB6(dist=17606), HLA-DRB1(dist=1162) | intergenic |
| 6 | 32551058 | A | T | rs9269893 | 2.50E-05 | 0.296 | 0.234 | 0.72 | 0.6 | -0.87 | 2.10E-03 | 0.220 | 0.167 | 0.71 | 0.57 | -0.89 | 0.63 | 6.88E-07 | HLA-DRB1 | intronic |
| 6 | 32551010 | G | A | rs9269890 | 1.10E-03 | 0.371 | 0.316 | 0.78 | 0.66 | -0.93 | 3.15E-05 | 0.316 | 0.241 | 0.69 | 0.56 | -0.84 | 0.66 | 6.90E-07 | HLA-DRB1 | intronic |
| 6 | 32609181 | C | T | rs1129765 | 1.47E-05 | 0.129 | 0.193 | 0.62 | 0.49 | -0.78 | 3.20E-03 | 0.136 | 0.191 | 0.67 | 0.51 | -0.87 | 0.64 | 6.91E-07 | HLA-DQA1 | exonic |
| 6 | 32502455 | C | G | rs79076719 | 1.44E-05 | 0.259 | 0.199 | 0.71 | 0.59 | -0.86 | 2.96E-03 | 0.203 | 0.152 | 0.70 | 0.56 | -0.89 | 0.62 | 7.00E-07 | HLA-DRB5(dist=4449), HLA-DRB6(dist=18035) | intergenic |
| 6 | 32478155 | C | T | rs150595381 | 3.26E-08 | 0.309 | 0.396 | 0.68 | 0.57 | -0.81 | 1.23E-01 | 0.339 | 0.374 | 0.86 | 0.71 | -1.05 | 0.66 | 7.02E-07 | HLA-DRA(dist=65329), HLA-DRB5(dist=6999) | intergenic |
| 6 | 32506942 | C | T | rs76539678 | 3.56E-05 | 0.280 | 0.222 | 0.73 | 0.61 | -0.88 | 1.53E-03 | 0.224 | 0.169 | 0.70 | 0.56 | -0.88 | 0.63 | 7.08E-07 | HLA-DRB5(dist=8936), HLA-DRB6(dist=13548) | intergenic |
| 6 | 32579365 | C | T | rs9271222 | 3.21E-06 | 0.234 | 0.167 | 0.66 | 0.54 | -0.8 | 9.72E-03 | 0.191 | 0.147 | 0.73 | 0.58 | -0.93 | 0.62 | 7.12E-07 | HLA-DRB1(dist=21752), HLA-DQA1(dist=25818) | intergenic |
| 6 | 32608035 | T | C | rs28383403 | 3.52E-05 | 0.144 | 0.208 | 0.64 | 0.51 | -0.8 | 1.59E-03 | 0.148 | 0.210 | 0.65 | 0.5 | -0.85 | 0.66 | 7.13E-07 | HLA-DQA1 | intronic |
| 6 | 32608792 | A | T | rs28383427 | 3.77E-05 | 0.139 | 0.202 | 0.64 | 0.51 | -0.81 | 1.47E-03 | 0.148 | 0.211 | 0.65 | 0.5 | -0.84 | 0.65 | 7.16E-07 | HLA-DQA1 | intronic |
| 6 | 32505433 | C | T | rs71534504 | 9.87E-06 | 0.255 | 0.194 | 0.70 | 0.58 | -0.85 | 4.15E-03 | 0.201 | 0.152 | 0.71 | 0.56 | -0.9 | 0.62 | 7.17E-07 | HLA-DRB5(dist=7427), HLA-DRB6(dist=15057) | intergenic |
| 6 | 32576064 | G | C | rs482044 | 4.59E-05 | 0.258 | 0.334 | 0.69 | 0.58 | -0.83 | 1.27E-03 | 0.259 | 0.335 | 0.69 | 0.56 | -0.86 | 0.70 | 7.17E-07 | HLA-DRB1(dist=18451), HLA-DQA1(dist=29119) | intergenic |
| 6 | 32668439 | A | C | rs3135002 | 4.37E-05 | 0.296 | 0.227 | 0.70 | 0.58 | -0.84 | 1.33E-03 | 0.288 | 0.226 | 0.72 | 0.58 | -0.89 | 0.67 | 7.17E-07 | HLA-DQB1(dist=33973), HLA-DQA2(dist=40724) | intergenic |
| 6 | 32547015 | G | C | rs34261587 | 3.85E-05 | 0.094 | 0.145 | 0.61 | 0.46 | -0.8 | 1.44E-03 | 0.108 | 0.163 | 0.63 | 0.46 | -0.84 | 0.60 | 7.19E-07 | HLA-DRB1 | intronic |
| 6 | 32543594 | T | C | rs9269518 | 1.86E-03 | 0.316 | 0.267 | 0.79 | 0.66 | -0.94 | 2.15E-05 | 0.320 | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32565745 | G | A | rs386699425;rs9270644 | 2.35E-03 | 0.358 | 0.303 | 0.78 | 0.66 | -0.93 | 1.20E-05 | 0.369 | 0.284 | 0.68 | 0.56 | -0.82 | 0.68 | 7.45E-07 | HLA-DRB1(dist=8132), HLA-DQA1(dist=39438) | intergenic |
| 6 | 32588831 | G | A | rs9271480 | 4.86E-05 | 0.149 | 0.214 | 0.64 | 0.51 | -0.8 | 1.29E-03 | 0.143 | 0.206 | 0.64 | 0.49 | -0.84 | 0.66 | 7.48E-07 | HLA-DRB1(dist=31218), HLA-DQA1(dist=16352) | intergenic |
| 2 | 45117101 | C | G | rs80027008 | 1.72E-02 | 0.072 | 0.054 | 1.35 | 0.97 | -1.86 | 6.00E-07 | 0.094 | 0.045 | 2.21 | 1.59 | -3.07 | 2.16 | 7.49E-07 | CAMKMT(dist=117370), SIX3-AS1(dist=50192) | intergenic |
| 6 | 32460050 | T | A | rs77532237 | 4.53E-05 | 0.158 | 0.215 | 0.68 | 0.55 | -0.85 | 1.36E-03 | 0.170 | 0.232 | 0.68 | 0.53 | -0.87 | 0.64 | 7.50E-07 | HLA-DRA(dist=47224), HLA-DRB5(dist=25104) | intergenic |
| 6 | 32632287 | A | G | rs9274336 | 4.04E-05 | 0.537 | 0.462 | 0.74 | 0.63 | -0.87 | 1.41E-03 | 0.478 | 0.406 | 0.75 | 0.62 | -0.9 | 0.70 | 7.52E-07 | HLA-DQB1 | intronic |
| 6 | 32556332 | T | G | rs35840159 | 1.80E-05 | 0.084 | 0.132 | 0.60 | 0.45 | -0.8 | 3.31E-03 | 0.078 | 0.118 | 0.63 | 0.45 | -0.89 | 0.55 | 7.54E-07 | HLA-DRB1 | intronic |
| 6 | 32505330 | T | G | rs77430390 | 1.95E-05 | 0.254 | 0.194 | 0.71 | 0.59 | -0.86 | 2.61E-03 | 0.205 | 0.153 | 0.70 | 0.55 | -0.88 | 0.62 | 7.64E-07 | HLA-DRB5(dist=7324), HLA-DRB6(dist=15160) | intergenic |
| 6 | 32484828 | G | A | rs18268396 | 7.85E-06 | 0.341 | 0.410 | 0.75 | 0.63 | -0.89 | 5.39E-03 | 0.434 | 0.492 | 0.79 | 0.66 | -0.96 | 0.66 | 7.66E-07 | HLA-DRB5 | downstream |
| 6 | 32587846 | C | T | rs9271419 | 5.53E-05 | 0.270 | 0.348 | 0.69 | 0.58 | -0.83 | 1.17E-03 | 0.264 | 0.341 | 0.69 | 0.56 | -0.86 | 0.71 | 7.70E-07 | HLA-DRB1(dist=30233), HLA-DQA1(dist=17337) | intergenic |
| 6 | 32522890 | G | A | rs36215042 | 6.44E-06 | 0.231 | 0.172 | 0.69 | 0.57 | -0.84 | 5.38E-03 | 0.192 | 0.145 | 0.71 | 0.56 | -0.91 | 0.61 | 7.78E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32610255 | G | A | rs9272774 | 3.92E-05 | 0.129 | 0.189 | 0.64 | 0.5 | -0.81 | 1.48E-03 | 0.147 | 0.209 | 0.65 | 0.5 | -0.84 | 0.65 | 7.80E-07 | HLA-DQA1 | intronic |
| 6 | 32593926 | T | C | rs9271755 | 5.83E-05 | 0.132 | 0.191 | 0.64 | 0.51 | -0.81 | 1.12E-03 | 0.142 | 0.203 | 0.65 | 0.5 | -0.84 | 0.65 | 7.81E-07 | HLA-DRB1(dist=36313), HLA-DQA1(dist=11257) | intergenic |
| 6 | 32644915 | A | G | rs28755255 | 1.47E-03 | 0.191 | 0.241 | 0.74 | 0.6 | -0.91 | 2.98E-05 | 0.178 | 0.260 | 0.62 | 0.48 | -0.78 | 0.66 | 7.83E-07 | HLA-DQB1(dist=10449), HLA-DQA2(dist=64248) | intergenic |
| 6 | 32473911 | A | G | rs79934186 | 6.18E-08 | 0.505 | 0.419 | 0.71 | 0.6 | -0.83 | 8.88E-02 | 0.392 | 0.354 | 0.85 | 0.7 | -1.03 | 0.66 | 7.84E-07 | HLA-DRA(dist=61085), HLA-DRB5(dist=11243) | intergenic |
| 6 | 32520460 | C | T | rs113521434 | 6.18E-05 | 0.116 | 0.165 | 0.66 | 0.52 | -0.85 | 1.04E-03 | 0.125 | 0.184 | 0.63 | 0.48 | -0.83 | 0.61 | 7.88E-07 | HLA-DRB6 | downstream |
| 6 | 32456573 | C | T | rs79175537 | 2.38E-05 | 0.382 | 0.447 | 0.76 | 0.65 | -0.9 | 2.41E-03 | 0.549 | 0.485 | 0.77 | 0.64 | -0.93 | 0.67 | 7.89E-07 | HLA-DRA(dist=43747), HLA-DRB5(dist=28581) | intergenic |
| 6 | 32608473 | G | A | rs28383415 | 3.15E-05 | 0.141 | 0.204 | 0.64 | 0.51 | -0.8 | 1.97E-03 | 0.142 | 0.202 | 0.65 | 0.5 | -0.85 | 0.65 | 7.89E-07 | HLA-DQA1 | intronic |
| 6 | 32572048 | G | T | rs585305 | 2.00E-05 | 0.150 | 0.219 | 0.63 | 0.51 | -0.79 | 3.09E-03 | 0.146 | 0.205 | 0.66 | 0.51 | -0.86 | 0.66 | 7.91E-07 | HLA-DRB1(dist=14435), HLA-DQA1(dist=33135) | intergenic |
| 21 | 19668943 | T | C | rs56051401 | 1.47E-02 | 0.067 | 0.046 | 1.49 | 1.06 | -2.09 | 2.84E-06 | 0.102 | 0.062 | 1.72 | 1.26 | -2.36 | 2.29 | 7.92E-07 | TMPRSS15 | intronic |
| 6 | 32556338 | C | G | rs35399335 | 2.35E-05 | 0.083 | 0.131 | 0.60 | 0.45 | -0.8 | 2.75E-03 | 0.077 | 0.118 | 0.62 | 0.44 | -0.88 | 0.55 | 7.95E-07 | HLA-DRB1 | intronic |
| 6 | 32492228 | T | C | rs76302731 | 2.18E-05 | 0.101 | 0.152 | 0.62 | 0.48 | -0.81 | 2.57E-03 | 0.114 | 0.165 | 0.65 | 0.49 | -0.87 | 0.59 | 7.95E-07 | HLA-DRB5 | intronic |
| 6 | 32486953 | A | C | rs150596400 | 5.56E-06 | 0.355 | 0.287 | 0.73 | 0.61 | -0.87 | 7.48E-03 | 0.282 | 0.233 | 0.77 | 0.63 | -0.95 | 0.64 | 7.98E-07 | HLA-DRB5 | intronic |
| 6 | 32553531 | C | G | rs9270041 | 5.44E-05 | 0.228 | 0.172 | 0.71 | 0.58 | -0.86 | 1.17E-03 | 0.207 | 0.152 | 0.69 | 0.54 | -0.87 | 0.62 | 7.99E-07 | HLA-DRB1 | intronic |
| 6 | 32611737 | T | C | rs9273022 | 4.13E-05 | 0.143 | 0.205 | 0.65 | 0.51 | -0.81 | 1.53E-03 | 0.149 | 0.212 | 0.65 | 0.5 | -0.84 | 0.66 | 8.01E-07 | HLA-DQA1 | downstream |
| 6 | 32567506 | C | G | rs386699445;rs9270717 | 4.91E-05 | 0.233 | 0.171 | 0.68 | 0.56 | -0.83 | 1.35E-03 | 0.215 | 0.158 | 0.68 | 0.54 | -0.86 | 0.64 | 8.03E-07 | HLA-DRB1(dist=9893), HLA-DQA1(dist=37677) | intergenic |
| 6 | 32457005 | G | C | rs74820711 | 3.64E-05 | 0.368 | 0.432 | 0.76 | 0.65 | -0.9 | 1.70E-03 | 0.417 | 0.484 | 0.76 | 0.63 | -0.92 | 0.67 | 8.03E-07 | HLA-DRA(dist=44179), HLA-DRB5(dist=28149) | intergenic |
| 6 | 32495746 | C | T | rs146711239 | 1.59E-05 | 0.395 | 0.328 | 0.75 | 0.63 | -0.88 | 3.48E-03 | 0.334 | 0.280 | 0.78 | 0.64 | -0.95 | 0.65 | 8.08E-07 | HLA-DRB5 | intronic |
| 6 | 32611650 | G | A | rs9273014 | 4.98E-05 | 0.153 | 0.218 | 0.65 | 0.52 | -0.81 | 1.36E-03 | 0.149 | 0.213 | 0.65 | 0.5 | -0.84 | 0.66 | 8.11E-07 | HLA-DQA1 | downstream |
| 6 | 32541275 | C | T | rs9269394 | 8.58E-04 | 0.383 | 0.325 | 0.78 | 0.66 | -0.92 | 6.09E-05 | 0.350 | 0.272 | 0.69 | 0.57 | -0.85 | 0.67 | 8.17E-07 | HLA-DRB6(dist=13496), HLA-DRB1(dist=5272) | intergenic |
| 6 | 32559934 | A | G | rs28366270 | 5.42E-05 | 0.131 | 0.191 | 0.64 | 0.51 | -0.81 | 1.30E-03 | 0.117 | 0.175 | 0.62 | 0.47 | -0.83 | 0.64 | 8.20E-07 | HLA-DRB1(dist=2321), HLA-DQA1(dist=45249) | intergenic |
| 6 | 32608483 | T | C | rs28383416 | 3.29E-05 | 0.141 | 0.204 | 0.64 | 0.51 | -0.8 | 1.98E-03 | 0.142 | 0.202 | 0.65 | 0.5 | -0.85 | 0.65 | 8.21E-07 | HLA-DQA1 | intronic |
| 6 | 32552206 | G | T | rs9269963 | 4.33E-05 | 0.254 | 0.196 | 0.71 | 0.59 | -0.86 | 1.50E-03 | 0.210 | 0.155 | 0.69 | 0.55 | -0.87 | 0.63 | 8.23E-07 | HLA-DRB1 | intronic |
| 6 | 32605982 | T | G | rs9272486 | 4.52E-05 | 0.147 | 0.211 | 0.64 | 0.51 | -0.81 | 1.50E-03 | 0.149 | 0.212 | 0.65 | 0.5 | -0.84 | 0.66 | 8.24E-07 | HLA-DQA1 | intronic |
| 6 | 32559131 | G | A | rs34127991 | 3.62E-05 | 0.106 | 0.161 | 0.62 | 0.48 | -0.8 | 1.80E-03 | 0.122 | 0.179 | 0.64 | 0.48 | -0.85 | 0.62 | 8.26E-07 | HLA-DRB1(dist=1518), HLA-DQA1(dist=46052) | intergenic |
| 6 | 32480380 | C | T | rs78438144 | 2.43E-05 | 0.293 | 0.231 | 0.72 | 0.6 | -0.87 | 2.54E-03 | 0.220 | 0.169 | 0.72 | 0.57 | -0.9 | 0.64 | 8.27E-07 | HLA-DRA(dist=67554), HLA-DRB5(dist=4774) | intergenic |
| 6 | 32517989 | C | T | rs74636204 | 5.79E-05 | 0.114 | 0.165 | 0.65 | 0.51 | -0.83 | 1.20E-03 | 0.120 | 0.177 | 0.64 | 0.48 | -0.85 | 0.61 | 8.29E-07 | HLA-DRB5(dist=19983), HLA-DRB6(dist=2501) | intergenic |
| 13 | 94189890 | C | T | rs112391158 | 2.99E-06 | 0.060 | 0.029 | 2.13 | 1.47 | -3.1 | 4.33E-02 | 0.054 | 0.039 | 1.40 | 0.92 | -2.12 | 2.81 | 8.32E-07 | GPC6 | intronic |
| 6 | 32504015 | A | G | rs67894469 | 2.37E-05 | 0.210 | 0.165 | 0.71 | 0.58 | -0.87 | 2.18E-03 | 0.194 | 0.143 | 0.70 | 0.55 | -0.88 | 0.60 | 8.32E-07 | HLA-DRB5(dist=6009), HLA-DRB6(dist=16475) | intergenic |
| 6 | 32606846 | G | A | rs28383361 | 3.34E-05 | 0.140 | 0.202 | 0.64 | 0.51 | -0.81 | 1.99E-03 | 0.146 | 0.206 | 0.66 | 0.51 | -0.86 | 0.65 | 8.35E-07 | HLA-DQA1 | intronic |
| 6 | 32470194 | C | A | rs75684729 | 1.50E-05 | 0.222 | 0.286 | 0.71 | 0.59 | -0.86 | 4.30E-03 | 0.229 | 0.286 | 0.74 | 0.6 | -0.93 | 0.65 | 8.37E-07 | HLA-DRA(dist=57368), HLA-DRB5(dist=14960) | intergenic |
| 6 | 32567491 | G | T | rs9270715 | 5.60E-05 | 0.235 | 0.174 | 0.68 | 0.56 | -0.83 | 1.25E-03 | 0.219 | 0.162 | 0.69 | 0.55 | -0.86 | 0.64 | 8.37E-07 | HLA-DRB1(dist=9878), HLA-DQA1(dist=37692) | intergenic |
| 6 | 32456511 | C | G | rs201438714;rs75432211 | 1.47E-05 | 0.372 | 0.439 | 0.76 | 0.64 | -0.89 | 3.69E-03 | 0.552 | 0.490 | 0.78 | 0.65 | -0.94 | 0.67 | 8.40E-07 | HLA-DRA(dist=43685), HLA-DRB5(dist=28643) | intergenic |
| 6 | 32501664 | A | G | rs34481656 | 5.50E-05 | 0.127 | 0.180 | 0.66 | 0.52 | -0.84 | 1.30E-03 | 0.126 | 0.182 | 0.65 | 0.49 | -0.86 | 0.62 | 8.43E-07 | HLA-DRB5(dist=3658), HLA-DRB6(dist=18826) | intergenic |
| 6 | 32605646 | T | G | rs9272463 | 4.95E-05 | 0.147 | 0.211 | 0.64 | 0.51 | -0.81 | 1.42E-03 | 0.149 | 0.212 | 0.65 | 0.5 | -0.84 | 0.66 | 8.44E-07 | HLA-DQA1 | intronic |
| 6 | 32512766 | C | T | rs67216854 | 1.70E-07 | 0.290 | 0.216 | 0.68 | 0.56 | -0.81 | 4.54E-02 | 0.229 | 0.193 | 0.81 | 0.64 | -1.01 | 0.63 | 8.46E-07 | HLA-DRB5(dist=14760), HLA-DRB6(dist=7724) | intergenic |
| 6 | 32484729 | T | C | rs62405577 | 1.10E-05 | 0.427 | 0.497 | 0.75 | 0.64 | -0.89 | 4.55E-03 | 0.497 | 0.435 | 0.78 | 0.65 | -0.94 | 0.67 | 8.49E-07 | HLA-DRB5 | downstream |
| 6 | 32538319 | T | C | rs73726853 | 4.62E-05 | 0.243 | 0.188 | 0.72 | 0.59 | -0.87 | 1.43E-03 | 0.206 | 0.152 | 0.69 | 0.55 | -0.88 | 0.61 | 8.54E-07 | HLA-DRB6(dist=10540), HLA-DRB1(dist=8228) | intergenic |
| 6 | 32459626 | C | T | rs71545424 | 1.90E-05 | 0.301 | 0.237 | 0.72 | 0.6 | -0.87 | 3.27E-03 | 0.234 | 0.183 | 0.73 | 0.59 | -0.91 | 0.64 | 8.57E-07 | HLA-DRA(dist=46800), HLA-DRB5(dist=25528) | intergenic |
| 6 | 32505652 | A | T | rs72853908 | 1.42E-05 | 0.248 | 0.189 | 0.71 | 0.58 | -0.86 | 3.49E-03 | 0.204 | 0.154 | 0.71 | 0.56 | -0.89 | 0.62 | 8.58E-07 | HLA-DRB5(dist=7646), HLA-DRB6(dist=14838) | intergenic |
| 6 | 32605101 | A | G | rs9272420 | 5.21E-05 | 0.146 | 0.210 | 0.64 | 0.51 | -0.81 | 1.38E-03 | 0.149 | 0.213 | 0.65 | 0.5 | -0.84 | 0.66 | 8.60E-07 | HLA-DQA1 | upstream |
| 6 | 32606732 | G | A | rs28383357 | 4.96E-05 | 0.148 | 0.211 | 0.65 | 0.52 | -0.81 | 1.44E-03 | 0.150 | 0.213 | 0.65 | 0.5 | -0.84 | 0.66 | 8.60E-07 | HLA-DQA1 | intronic |
| 6 | 32520907 | T | C | rs3828840;rs386699405 | 1.13E-03 | 0.321 | 0.270 | 0.78 | 0.66 | -0.93 | 5.60E-05 | 0.331 | 0.254 | 0.69 | 0.56 | -0.84 | 0.66 | 8.65E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32554115 | A | C | rs9270072 | 5.70E-05 | 0.247 | 0.185 | 0.72 | 0.59 | -0.87 | 1.25E-03 | 0.204 | 0.151 | 0.69 | 0.55 | -0.88 | 0.62 | 8.66E-07 | HLA-DRB1 | intronic |
| 6 | 32521302 | A | G | rs71536525 | 1.24E-05 | 0.237 | 0.179 | 0.70 | 0.58 | -0.85 | 3.84E-03 | 0.208 | 0.160 | 0.73 | 0.58 | -0.91 | 0.61 | 8.70E-07 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32556683 | G | A | rs9270225 | 1.21E-03 | 0.323 | 0.269 | 0.77 | 0.65 | -0.92 | 3.64E-05 | 0.303 | 0.230 | 0.69 | 0.56 | -0.85 | 0.66 | 8.72E-07 | HLA-DRB1 | intronic |
| 6 | 32489254 | A | C | rs112594243 | 1.98E-05 | 0.298 | 0.235 | 0.72 | 0.6 | -0.87 | 3.08E-03 | 0.205 | 0.153 | 0.70 | 0.56 | -0.89 | 0.63 | 8.74E-07 | HLA-DRB5 | intronic |
| 6 | 32605724 | A | G | rs9272472 | 4.85E-05 | 0.147 | 0.211 | 0.64 | 0.51 | -0.81 | 1.51E-03 | 0.149 | 0.212 | 0.65 | 0.5 | -0.84 | 0.66 | 8.80E-07 | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32517018 | T | C | rs185282713 | 6.49E-05 | 0.100 | 0.149 | 0.63 | 0.49 | -0.83 | 1.18E-03 | 0.105 | 0.161 | 0.61 | 0.45 | -0.83 | 0.60 | 9.09E-07 | HLA-DRB5(dist=19012), HLA-DRB6(dist=3472) | intergenic |
| 6 | 32508173 | A | G | rs79476956 | 5.45E-05 | 0.139 | 0.195 | 0.67 | 0.53 | -0.84 | 1.42E-03 | 0.147 | 0.207 | 0.66 | 0.51 | -0.86 | 0.64 | 9.13E-07 | HLA-DRB5(dist=10167), HLA-DRB6(dist=12317) | intergenic |
| 6 | 32504474 | C | T | rs9269348 | 1.03E-03 | 0.370 | 0.313 | 0.78 | 0.66 | -0.92 | 6.08E-05 | 0.353 | 0.273 | 0.69 | 0.56 | -0.84 | 0.67 | 9.13E-07 | HLA-DRB6(dist=12695), HLA-DRB1(dist=6073) | intergenic |
| 6 | 32480130 | T | G | rs77131796 | 9.67E-06 | 0.199 | 0.263 | 0.70 | 0.57 | -0.85 | 6.17E-03 | 0.210 | 0.265 | 0.74 | 0.59 | -0.93 | 0.64 | 9.16E-07 | HLA-DRA(dist=67304), HLA-DRB5(dist=5024) | intergenic |
| 6 | 32610478 | C | G | rs1048414 | 5.32E-05 | 0.135 | 0.196 | 0.64 | 0.51 | -0.81 | 1.39E-03 | 0.147 | 0.211 | 0.65 | 0.5 | -0.84 | 0.65 | 9.16E-07 | HLA-DQA1 | exonic |
| 6 | 32610481 | T | C | rs1048419 | 5.33E-05 | 0.135 | 0.196 | 0.64 | 0.51 | -0.81 | 1.39E-03 | 0.147 | 0.211 | 0.65 | 0.5 | -0.84 | 0.65 | 9.19E-07 | HLA-DQA1 | exonic |
| 6 | 32588980 | C | T | rs386699493;rs9271486 | 5.94E-05 | 0.150 | 0.215 | 0.64 | 0.52 | -0.8 | 1.35E-03 | 0.143 | 0.206 | 0.64 | 0.49 | -0.84 | 0.66 | 9.26E-07 | HLA-DRB1(dist=31367), HLA-DQA1(dist=16203) | intergenic |
| 6 | 32611958 | C | G | rs9273040 | 4.97E-05 | 0.135 | 0.196 | 0.64 | 0.51 | -0.81 | 1.48E-03 | 0.147 | 0.210 | 0.65 | 0.5 | -0.84 | 0.65 | 9.27E-07 | HLA-DQA1 | downstream |
| 6 | 32469825 | T | A | rs79696067 | 4.11E-05 | 0.135 | 0.420 | 0.75 | 0.63 | -0.88 | 1.86E-03 | 0.355 | 0.423 | 0.75 | 0.52 | -0.91 | 0.68 | 9.33E-07 | HLA-DRA(dist=56999), HLA-DRB5(dist=15329) | intergenic |
| 6 | 32468840 | C | G | rs74290583 | 1.17E-05 | 0.263 | 0.201 | 0.70 | 0.58 | -0.85 | 4.97E-03 | 0.199 | 0.151 | 0.72 | 0.57 | -0.91 | 0.63 | 9.36E-07 | HLA-DRA(dist=56014), HLA-DRB5(dist=16314) | intergenic |
| 6 | 32518301 | C | G | rs113068532 | 2.41E-03 | 0.395 | 0.342 | 0.80 | 0.67 | -0.94 | 1.81E-05 | 0.394 | 0.307 | 0.68 | 0.56 | -0.83 | 0.68 | 9.43E-07 | HLA-DRB5(dist=20295), HLA-DRB6(dist=2189) | intergenic |
| 6 | 32489247 | T | C | rs116819869 | 2.00E-05 | 0.298 | 0.236 | 0.72 | 0.6 | -0.87 | 3.31E-03 | 0.205 | 0.154 | 0.70 | 0.56 | -0.89 | 0.63 | 9.49E-07 | HLA-DRB5 | intronic |
| 6 | 32589771 | A | G | rs9271520 | 4.63E-05 | 0.131 | 0.194 | 0.63 | 0.5 | -0.8 | 1.70E-03 | 0.141 | 0.202 | 0.65 | 0.5 | -0.84 | 0.65 | 9.51E-07 | HLA-DRB1(dist=32158), HLA-DQA1(dist=15412) | intergenic |
| 6 | 32605558 | G | A | rs9272458 | 2.04E-05 | 0.297 | 0.227 | 0.70 | 0.58 | -0.84 | 3.30E-03 | 0.269 | 0.208 | 0.71 | 0.58 | -0.88 | 0.67 | 9.60E-07 | HLA-DQA1 | intergenic |
| 6 | 32609358 | C | T | rs28383453 | 5.40E-05 | 0.143 | 0.205 | 0.65 | 0.52 | -0.81 | 1.48E-03 | 0.148 | 0.211 | 0.65 | 0.5 | -0.84 | 0.66 | 9.66E-07 | HLA-DQA1 | intronic |
| 6 | 32459103 | G | T | rs115798262 | 9.54E-06 | 0.214 | 0.277 | 0.71 | 0.59 | -0.87 | 6.78E-03 | 0.237 | 0.291 | 0.76 | 0.61 | -0.94 | 0.64 | 9.68E-07 | HLA-DRA(dist=46277), HLA-DRB5(dist=26051) | intergenic |
| 6 | 32645088 | C | T | rs28755262 | 2.23E-03 | 0.198 | 0.249 | 0.74 | 0.61 | -0.91 | 1.93E-05 | 0.163 | 0.244 | 0.60 | 0.47 | -0.77 | 0.67 | 9.68E-07 | HLA-DQB1(dist=10622), HLA-DQA2(dist=64075) | intergenic |
| 6 | 32473554 | A | G | rs113310401 | 1.91E-06 | 0.342 | 0.272 | 0.72 | 0.6 | -0.85 | 1.65E-02 | 0.244 | 0.200 | 0.77 | 0.62 | -0.96 | 0.64 | 9.83E-07 | HLA-DRA(dist=60728), HLA-DRB5(dist=11600) | intergenic |
| 6 | 32607253 | C | A | rs28383380 | 5.42E-05 | 0.141 | 0.203 | 0.64 | 0.51 | -0.81 | 1.50E-03 | 0.150 | 0.212 | 0.65 | 0.5 | -0.85 | 0.66 | 9.88E-07 | HLA-DQA1 | intronic |
| 6 | 32606864 | T | C | rs28383362 | 5.30E-05 | 0.141 | 0.202 | 0.65 | 0.51 | -0.81 | 1.54E-03 | 0.150 | 0.213 | 0.65 | 0.5 | -0.85 | 0.66 | 9.89E-07 | HLA-DQA1 | intronic |
| 6 | 32541319 | G | A | rs141259629 | 4.63E-05 | 0.081 | 0.128 | 0.60 | 0.45 | -0.81 | 1.66E-03 | 0.095 | 0.148 | 0.60 | 0.44 | -0.83 | 0.59 | 1.00E-06 | HLA-DRB6(dist=13540), HLA-DRB1(dist=5228) | intergenic |
| 6 | 32588031 | G | A | rs9271431 | 6.01E-05 | 0.271 | 0.348 | 0.70 | 0.58 | -0.83 | 1.45E-03 | 0.263 | 0.338 | 0.71 | 0.57 | -0.86 | 0.71 | 1.01E-06 | HLA-DRB1(dist=30418), HLA-DQA1(dist=17152) | intergenic |
| 6 | 32518369 | G | A | rs66884109 | 6.56E-06 | 0.237 | 0.178 | 0.70 | 0.57 | -0.85 | 6.96E-03 | 0.187 | 0.143 | 0.73 | 0.57 | -0.93 | 0.61 | 1.01E-06 | HLA-DRB5(dist=20363), HLA-DRB6(dist=2121) | intergenic |
| 6 | 32541506 | G | A | rs9269419 | 3.03E-05 | 0.234 | 0.177 | 0.70 | 0.58 | -0.86 | 2.59E-03 | 0.188 | 0.139 | 0.70 | 0.55 | -0.89 | 0.61 | 1.02E-06 | HLA-DRB6(dist=13727), HLA-DRB1(dist=5041) | intergenic |
| 6 | 32460713 | T | G | rs112016967 | 1.28E-05 | 0.289 | 0.355 | 0.74 | 0.62 | -0.88 | 5.12E-03 | 0.362 | 0.421 | 0.78 | 0.64 | -0.95 | 0.66 | 1.03E-06 | HLA-DRA(dist=47887), HLA-DRB5(dist=24441) | intergenic |
| 6 | 32570401 | A | G | rs386699448;rs2454138 | 5.36E-05 | 0.161 | 0.228 | 0.65 | 0.52 | -0.8 | 1.70E-03 | 0.131 | 0.189 | 0.64 | 0.49 | -0.85 | 0.66 | 1.03E-06 | HLA-DRB1(dist=12788), HLA-DQA1(dist=34782) | intergenic |
| 6 | 32480154 | A | G | rs79753869 | 3.56E-05 | 0.287 | 0.226 | 0.73 | 0.61 | -0.87 | 2.32E-03 | 0.216 | 0.165 | 0.72 | 0.57 | -0.9 | 0.63 | 1.03E-06 | HLA-DRA(dist=67328), HLA-DRB5(dist=5000) | intergenic |
| 6 | 32606942 | G | A | rs28383365 | 6.22E-05 | 0.145 | 0.207 | 0.65 | 0.52 | -0.81 | 1.41E-03 | 0.149 | 0.212 | 0.65 | 0.5 | -0.84 | 0.66 | 1.03E-06 | HLA-DQA1 | intronic |
| 6 | 32555965 | T | G | rs9270187 | 5.32E-06 | 0.196 | 0.140 | 0.67 | 0.54 | -0.82 | 8.41E-03 | 0.169 | 0.129 | 0.73 | 0.57 | -0.94 | 0.59 | 1.03E-06 | HLA-DRB1 | intronic |
| 6 | 32522979 | T | G | rs113078541 | 6.48E-05 | 0.123 | 0.174 | 0.66 | 0.52 | -0.84 | 1.39E-03 | 0.123 | 0.178 | 0.65 | 0.49 | -0.86 | 0.61 | 1.03E-06 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32604394 | T | C | rs9272347 | 5.06E-05 | 0.143 | 0.206 | 0.64 | 0.51 | -0.8 | 1.72E-03 | 0.148 | 0.210 | 0.65 | 0.5 | -0.85 | 0.66 | 1.04E-06 | HLA-DQA1 | upstream |
| 6 | 32559499 | A | G | rs28366256 | 4.67E-05 | 0.112 | 0.168 | 0.63 | 0.49 | -0.81 | 1.86E-03 | 0.124 | 0.180 | 0.64 | 0.48 | -0.85 | 0.63 | 1.04E-06 | HLA-DRB1(dist=1886), HLA-DQA1(dist=45684) | intergenic |
| 6 | 32491971 | C | T | rs113934686 | 3.74E-05 | 0.280 | 0.219 | 0.72 | 0.6 | -0.87 | 2.33E-03 | 0.197 | 0.148 | 0.71 | 0.56 | -0.9 | 0.63 | 1.04E-06 | HLA-DRB5 | intronic |
| 6 | 32570400 | C | T | rs2516049;rs386699448 | 5.40E-05 | 0.162 | 0.229 | 0.65 | 0.52 | -0.81 | 1.70E-03 | 0.131 | 0.189 | 0.64 | 0.49 | -0.85 | 0.66 | 1.04E-06 | HLA-DRB1(dist=12787), HLA-DQA1(dist=34783) | intergenic |
| 6 | 32559124 | T | C | rs34788621 | 4.89E-05 | 0.108 | 0.162 | 0.63 | 0.49 | -0.81 | 1.75E-03 | 0.123 | 0.180 | 0.64 | 0.48 | -0.85 | 0.62 | 1.04E-06 | HLA-DRB1(dist=1511), HLA-DQA1(dist=46059) | intergenic |
| 6 | 32488614 | A | C | rs142329611 | 8.35E-06 | 0.330 | 0.263 | 0.72 | 0.61 | -0.86 | 7.30E-03 | 0.241 | 0.194 | 0.76 | 0.61 | -0.94 | 0.64 | 1.05E-06 | HLA-DRB5 | intronic |
| 6 | 32589751 | T | C | rs9271519 | 5.13E-05 | 0.129 | 0.190 | 0.63 | 0.5 | -0.8 | 1.71E-03 | 0.140 | 0.202 | 0.65 | 0.5 | -0.84 | 0.65 | 1.05E-06 | HLA-DRB1(dist=32138), HLA-DQA1(dist=15432) | intergenic |
| 6 | 32520940 | A | G | rs111432098 | 5.13E-05 | 0.096 | 0.142 | 0.64 | 0.49 | -0.84 | 1.63E-03 | 0.106 | 0.158 | 0.63 | 0.47 | -0.85 | 0.58 | 1.06E-06 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32606217 | G | A | rs9272498 | 5.67E-05 | 0.146 | 0.208 | 0.65 | 0.52 | -0.81 | 1.58E-03 | 0.150 | 0.213 | 0.65 | 0.5 | -0.85 | 0.66 | 1.06E-06 | HLA-DQA1 | intronic |
| 6 | 32503771 | G | C | rs35874713 | 2.57E-05 | 0.216 | 0.163 | 0.71 | 0.58 | -0.86 | 2.60E-03 | 0.193 | 0.144 | 0.70 | 0.55 | -0.89 | 0.61 | 1.07E-06 | HLA-DRB5(dist=5765), HLA-DRB6(dist=16719) | intergenic |
| 6 | 32491902 | G | A | rs114786900 | 6.13E-05 | 0.275 | 0.217 | 0.73 | 0.61 | -0.88 | 1.48E-03 | 0.212 | 0.160 | 0.71 | 0.56 | -0.89 | 0.62 | 1.07E-06 | HLA-DRB5 | intronic |
| 6 | 32527296 | G | A | rs71535466;rs28624072 | 6.62E-06 | 0.228 | 0.170 | 0.69 | 0.57 | -0.85 | 7.22E-03 | 0.186 | 0.143 | 0.73 | 0.57 | -0.93 | 0.60 | 1.07E-06 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32492626 | G | A | rs144550975 | 2.29E-05 | 0.111 | 0.165 | 0.63 | 0.49 | -0.82 | 3.74E-03 | 0.116 | 0.162 | 0.68 | 0.51 | -0.9 | 0.60 | 1.07E-06 | HLA-DRB5 | intronic |
| 6 | 32460045 | G | A | rs73401361 | 2.58E-05 | 0.183 | 0.246 | 0.69 | 0.56 | -0.85 | 3.30E-03 | 0.204 | 0.262 | 0.72 | 0.57 | -0.91 | 0.65 | 1.08E-06 | HLA-DRA(dist=47219), HLA-DRB5(dist=25109) | intergenic |
| 6 | 32589740 | A | G | rs9271517 | 5.27E-05 | 0.129 | 0.190 | 0.63 | 0.5 | -0.8 | 1.74E-03 | 0.140 | 0.202 | 0.65 | 0.5 | -0.85 | 0.65 | 1.09E-06 | HLA-DRB1(dist=32127), HLA-DQA1(dist=15443) | intergenic |
| 6 | 32457038 | T | C | rs77585607 | 4.05E-06 | 0.106 | 0.162 | 0.61 | 0.47 | -0.79 | 1.51E-02 | 0.112 | 0.149 | 0.72 | 0.54 | -0.97 | 0.58 | 1.10E-06 | HLA-DRA(dist=44212), HLA-DRB5(dist=28116) | intergenic |
| 6 | 32571811 | G | A | rs28383182 | 1.94E-05 | 0.147 | 0.215 | 0.63 | 0.5 | -0.79 | 4.33E-03 | 0.152 | 0.208 | 0.68 | 0.53 | -0.88 | 0.66 | 1.10E-06 | HLA-DRB1(dist=14198), HLA-DQA1(dist=33372) | intergenic |
| 6 | 32523411 | A | G | rs116292975 | 3.80E-05 | 0.083 | 0.127 | 0.62 | 0.47 | -0.83 | 2.16E-03 | 0.106 | 0.155 | 0.64 | 0.48 | -0.87 | 0.57 | 1.11E-06 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32470263 | C | T | rs113420629 | 3.64E-05 | 0.251 | 0.314 | 0.73 | 0.61 | -0.88 | 2.58E-03 | 0.256 | 0.319 | 0.74 | 0.59 | -0.91 | 0.66 | 1.11E-06 | HLA-DRA(dist=57437), HLA-DRB5(dist=14891) | intergenic |
| 6 | 32503613 | G | A | rs77675186 | 3.49E-05 | 0.217 | 0.165 | 0.71 | 0.58 | -0.87 | 2.13E-03 | 0.195 | 0.144 | 0.70 | 0.55 | -0.88 | 0.61 | 1.11E-06 | HLA-DRB5(dist=5607), HLA-DRB6(dist=16877) | intergenic |
| 6 | 32645766 | G | A | rs116005148 | 2.53E-03 | 0.213 | 0.265 | 0.75 | 0.62 | -0.92 | 1.82E-05 | 0.164 | 0.247 | 0.60 | 0.47 | -0.77 | 0.67 | 1.11E-06 | HLA-DQB1(dist=11300), HLA-DQA2(dist=63397) | intergenic |
| 6 | 32459978 | A | G | rs139036786 | 5.22E-05 | 0.169 | 0.228 | 0.69 | 0.55 | -0.85 | 1.86E-03 | 0.169 | 0.230 | 0.68 | 0.53 | -0.87 | 0.65 | 1.11E-06 | HLA-DRA(dist=47152), HLA-DRB5(dist=25176) | intergenic |
| 6 | 32491900 | G | T | rs116089647 | 6.41E-05 | 0.275 | 0.217 | 0.73 | 0.61 | -0.88 | 1.50E-03 | 0.212 | 0.160 | 0.71 | 0.56 | -0.89 | 0.63 | 1.12E-06 | HLA-DRB5 | intronic |
| 6 | 32592383 | T | C | rs9271650 | 8.74E-07 | 0.483 | 0.395 | 0.70 | 0.59 | -0.82 | 3.11E-02 | 0.415 | 0.359 | 0.79 | 0.65 | -0.96 | 0.70 | 1.12E-06 | HLA-DRB1(dist=34770), HLA-DQA1(dist=12800) | intergenic |
| 6 | 32572952 | G | A | rs9270946 | 1.49E-03 | 0.322 | 0.264 | 0.76 | 0.63 | -0.9 | 4.11E-05 | 0.334 | 0.251 | 0.67 | 0.55 | -0.82 | 0.69 | 1.13E-06 | HLA-DRB1(dist=15339), HLA-DQA1(dist=32231) | intergenic |
| 6 | 32516848 | T | G | rs111739306 | 1.85E-03 | 0.366 | 0.317 | 0.80 | 0.68 | -0.95 | 3.86E-05 | 0.332 | 0.253 | 0.68 | 0.56 | -0.83 | 0.67 | 1.13E-06 | HLA-DRB5(dist=18842), HLA-DRB6(dist=3642) | intergenic |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32536245 | G | C | rs35985055 | 5.51E-05 | 0.305 | 0.246 | 0.74 | 0.62 | -0.89 | 1.79E-03 | 0.246 | 0.190 | 0.72 | 0.58 | -0.89 | 0.64 | 1.18E-06 | HLA-DRB6(dist=8466), HLA-DRB1(dist=10302) | intergenic |
| 6 | 32647762 | A | G | rs28371233 | 1.62E-03 | 0.186 | 0.239 | 0.73 | 0.59 | -0.89 | 3.90E-05 | 0.145 | 0.222 | 0.59 | 0.46 | -0.77 | 0.67 | 1.18E-06 | HLA-DQB1(dist=13296), HLA-DQA2(dist=61401) | intergenic |
| 6 | 32485118 | G | T | rs147509207 | 1.41E-05 | 0.516 | 0.444 | 0.75 | 0.64 | -0.88 | 5.84E-03 | 0.456 | 0.408 | 0.82 | 0.68 | -0.99 | 0.66 | 1.19E-06 | HLA-DRB5 | downstream |
| 6 | 32552547 | C | T | rs115273610 | 3.34E-05 | 0.131 | 0.179 | 0.69 | 0.55 | -0.87 | 3.19E-03 | 0.103 | 0.143 | 0.68 | 0.5 | -0.92 | 0.58 | 1.20E-06 | HLA-DRB1 | intronic |
| 6 | 32643336 | G | A | rs9275029 | 2.06E-03 | 0.190 | 0.238 | 0.75 | 0.61 | -0.92 | 3.44E-05 | 0.157 | 0.233 | 0.61 | 0.48 | -0.79 | 0.66 | 1.21E-06 | HLA-DQB1(dist=8870), HLA-DQA2(dist=65827) | intergenic |
| 6 | 32647735 | G | A | rs28371231 | 1.86E-03 | 0.201 | 0.253 | 0.74 | 0.61 | -0.91 | 3.37E-05 | 0.149 | 0.228 | 0.59 | 0.46 | -0.77 | 0.67 | 1.21E-06 | HLA-DQB1(dist=13269), HLA-DQA2(dist=61428) | intergenic |
| 6 | 32457539 | C | T | rs76883199 | 1.27E-05 | 0.389 | 0.461 | 0.74 | 0.63 | -0.88 | 5.92E-03 | 0.406 | 0.469 | 0.77 | 0.64 | -0.94 | 0.68 | 1.21E-06 | HLA-DRA(dist=44713), HLA-DRB5(dist=27615) | intergenic |
| 6 | 32546696 | G | A | rs3208409 | 3.25E-05 | 0.107 | 0.160 | 0.63 | 0.49 | -0.81 | 2.86E-03 | 0.128 | 0.182 | 0.66 | 0.5 | -0.87 | 0.62 | 1.21E-06 | HLA-DRB1 | UTR3 |
| 6 | 32456951 | G | A | rs78443865 | 3.16E-05 | 0.370 | 0.435 | 0.76 | 0.64 | -0.9 | 2.92E-03 | 0.145 | 0.478 | 0.77 | 0.64 | -0.94 | 0.67 | 1.22E-06 | HLA-DRA(dist=44125), HLA-DRB5(dist=28203) | intergenic |
| 6 | 32501300 | G | A | rs80029685 | 3.87E-05 | 0.236 | 0.181 | 0.72 | 0.59 | -0.87 | 2.40E-03 | 0.194 | 0.143 | 0.70 | 0.55 | -0.88 | 0.62 | 1.22E-06 | HLA-DRB5(dist=3294), HLA-DRB6(dist=19190) | intergenic |
| 6 | 32499123 | G | T | rs79187454 | 3.16E-05 | 0.499 | 0.434 | 0.77 | 0.65 | -0.9 | 3.10E-03 | 0.411 | 0.354 | 0.79 | 0.65 | -0.95 | 0.66 | 1.23E-06 | HLA-DRB5(dist=1117), HLA-DRB6(dist=21367) | intergenic |
| 6 | 32645871 | G | C | rs28755290 | 1.79E-03 | 0.208 | 0.261 | 0.75 | 0.61 | -0.91 | 3.60E-05 | 0.160 | 0.239 | 0.60 | 0.47 | -0.78 | 0.67 | 1.24E-06 | HLA-DQB1(dist=11405), HLA-DQA2(dist=63292) | intergenic |
| 6 | 32460116 | A | G | rs111499705 | 4.39E-05 | 0.194 | 0.255 | 0.70 | 0.57 | -0.86 | 2.42E-03 | 0.211 | 0.273 | 0.71 | 0.57 | -0.89 | 0.66 | 1.24E-06 | HLA-DRA(dist=47290), HLA-DRB5(dist=25038) | intergenic |
| 6 | 32612241 | A | T | rs9273070 | 6.40E-05 | 0.125 | 0.169 | 0.64 | 0.5 | -0.82 | 1.50E-03 | 0.146 | 0.209 | 0.65 | 0.5 | -0.84 | 0.64 | 1.25E-06 | HLA-DQA1 | downstream |
| 6 | 32459572 | T | C | rs74345507 | 3.67E-05 | 0.084 | 0.127 | 0.63 | 0.48 | -0.84 | 2.54E-03 | 0.095 | 0.139 | 0.65 | 0.47 | -0.89 | 0.55 | 1.25E-06 | HLA-DRA(dist=46746), HLA-DRB5(dist=25582) | intergenic |
| 6 | 32577025 | T | G | rs9271138 | 2.43E-05 | 0.281 | 0.217 | 0.71 | 0.59 | -0.85 | 3.90E-03 | 0.234 | 0.182 | 0.73 | 0.58 | -0.91 | 0.65 | 1.26E-06 | HLA-DRB1(dist=19412), HLA-DQA1(dist=28158) | intergenic |
| 6 | 32502789 | A | G | rs74333610 | 1.66E-05 | 0.253 | 0.196 | 0.72 | 0.6 | -0.87 | 4.30E-03 | 0.211 | 0.161 | 0.72 | 0.57 | -0.91 | 0.62 | 1.26E-06 | HLA-DRB5(dist=4783), HLA-DRB6(dist=17701) | intergenic |
| 6 | 32612251 | T | G | rs9273071 | 6.44E-05 | 0.116 | 0.170 | 0.64 | 0.5 | -0.82 | 1.52E-03 | 0.145 | 0.207 | 0.65 | 0.5 | -0.84 | 0.64 | 1.27E-06 | HLA-DQA1 | downstream |
| 6 | 32551653 | A | C | rs9269927 | 3.04E-03 | 0.300 | 0.255 | 0.80 | 0.67 | -0.96 | 2.15E-05 | 0.307 | 0.232 | 0.68 | 0.56 | -0.84 | 0.65 | 1.27E-06 | HLA-DRB1 | intronic |
| 6 | 32519968 | G | C | rs112654908 | 5.42E-05 | 0.085 | 0.128 | 0.63 | 0.48 | -0.84 | 1.68E-03 | 0.112 | 0.164 | 0.64 | 0.48 | -0.86 | 0.58 | 1.27E-06 | HLA-DRB6 | downstream |
| 6 | 32502774 | T | C | rs77544868 | 1.50E-05 | 0.254 | 0.197 | 0.72 | 0.59 | -0.87 | 4.69E-03 | 0.213 | 0.163 | 0.72 | 0.57 | -0.91 | 0.62 | 1.28E-06 | HLA-DRB5(dist=4768), HLA-DRB6(dist=17716) | intergenic |
| 6 | 32478811 | G | T | rs115966492 | 2.26E-05 | 0.512 | 0.439 | 0.75 | 0.63 | -0.88 | 4.67E-03 | 0.458 | 0.406 | 0.81 | 0.67 | -0.98 | 0.66 | 1.29E-06 | HLA-DRA(dist=65985), HLA-DRB5(dist=6343) | intergenic |
| 6 | 32501455 | T | A | rs35231986 | 4.36E-05 | 0.221 | 0.168 | 0.71 | 0.58 | -0.87 | 2.24E-03 | 0.193 | 0.142 | 0.69 | 0.55 | -0.88 | 0.61 | 1.30E-06 | HLA-DRB5(dist=3449), HLA-DRB6(dist=19035) | intergenic |
| 6 | 32607660 | A | C | rs28383392 | 4.63E-05 | 0.134 | 0.194 | 0.64 | 0.51 | -0.81 | 2.29E-03 | 0.141 | 0.200 | 0.66 | 0.5 | -0.86 | 0.65 | 1.30E-06 | HLA-DQA1 | intronic |
| 6 | 32607659 | C | T | rs28383391 | 4.63E-05 | 0.134 | 0.194 | 0.64 | 0.51 | -0.81 | 2.29E-03 | 0.141 | 0.200 | 0.66 | 0.5 | -0.86 | 0.65 | 1.30E-06 | HLA-DQA1 | intronic |
| 6 | 32457041 | C | A | rs76327699 | 6.87E-06 | 0.110 | 0.165 | 0.62 | 0.48 | -0.8 | 1.22E-02 | 0.112 | 0.150 | 0.71 | 0.53 | -0.96 | 0.58 | 1.30E-06 | HLA-DRA(dist=44215), HLA-DRB5(dist=28113) | intergenic |
| 6 | 32506923 | A | G | rs76340838 | 3.94E-05 | 0.298 | 0.238 | 0.74 | 0.61 | -0.88 | 2.65E-03 | 0.236 | 0.183 | 0.72 | 0.58 | -0.9 | 0.64 | 1.30E-06 | HLA-DRB5(dist=8917), HLA-DRB6(dist=13567) | intergenic |
| 6 | 32632272 | T | C | rs4367410 | 1.34E-05 | 0.287 | 0.221 | 0.70 | 0.59 | -0.84 | 6.18E-03 | 0.234 | 0.187 | 0.75 | 0.6 | -0.94 | 0.65 | 1.31E-06 | HLA-DQB1 | intronic |
| 6 | 32539581 | T | G | rs9269303 | 1.11E-02 | 0.433 | 0.392 | 0.85 | 0.72 | -1 | 1.69E-06 | 0.434 | 0.343 | 0.68 | 0.56 | -0.82 | 0.67 | 1.31E-06 | HLA-DRB6(dist=11802), HLA-DRB1(dist=6966) | intergenic |
| 6 | 32554339 | G | C | rs111297585 | 4.00E-05 | 0.331 | 0.393 | 0.77 | 0.65 | -0.91 | 2.81E-03 | 0.311 | 0.374 | 0.76 | 0.62 | -0.92 | 0.66 | 1.31E-06 | HLA-DRB1 | intronic |
| 13 | 105877189 | G | C | rs78802875 | 4.68E-05 | 0.153 | 0.109 | 1.48 | 1.17 | -1.86 | 6.27E-03 | 0.138 | 0.099 | 1.47 | 1.11 | -1.93 | 1.72 | 1.31E-06 | LINC01309(dist=1797154), DAOA-AS1(dist=234217) | intergenic |
| 6 | 32576888 | A | G | rs9271128 | 2.01E-03 | 0.371 | 0.316 | 0.78 | 0.66 | -0.93 | 3.73E-05 | 0.351 | 0.270 | 0.68 | 0.56 | -0.83 | 0.68 | 1.31E-06 | HLA-DRB1(dist=19275), HLA-DQA1(dist=28295) | intergenic |
| 6 | 32551068 | C | T | rs9269895 | 5.01E-05 | 0.298 | 0.237 | 0.73 | 0.61 | -0.88 | 2.24E-03 | 0.220 | 0.167 | 0.71 | 0.57 | -0.89 | 0.64 | 1.32E-06 | HLA-DRB1 | intronic |
| 6 | 32524694 | G | T | rs114500718 | 2.86E-03 | 0.359 | 0.309 | 0.80 | 0.67 | -0.94 | 2.46E-05 | 0.347 | 0.264 | 0.68 | 0.56 | -0.82 | 0.68 | 1.32E-06 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32474954 | T | C | rs113475057 | 1.36E-05 | 0.227 | 0.292 | 0.71 | 0.59 | -0.86 | 6.58E-03 | 0.243 | 0.299 | 0.75 | 0.61 | -0.93 | 0.66 | 1.33E-06 | HLA-DRA(dist=62128), HLA-DRB5(dist=10200) | intergenic |
| 6 | 32522871 | A | G | rs184578930 | 5.74E-05 | 0.150 | 0.199 | 0.71 | 0.57 | -0.89 | 2.01E-03 | 0.136 | 0.191 | 0.67 | 0.51 | -0.88 | 0.61 | 1.33E-06 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32645825 | T | C | rs113838733 | 2.66E-03 | 0.212 | 0.263 | 0.75 | 0.62 | -0.92 | 2.17E-05 | 0.161 | 0.244 | 0.60 | 0.46 | -0.77 | 0.67 | 1.33E-06 | HLA-DQB1(dist=11359), HLA-DQA2(dist=63338) | intergenic |
| 6 | 32480206 | C | A | rs145958870 | 6.19E-05 | 0.081 | 0.124 | 0.62 | 0.47 | -0.83 | 1.90E-03 | 0.078 | 0.121 | 0.61 | 0.44 | -0.87 | 0.55 | 1.33E-06 | HLA-DRA(dist=67380), HLA-DRB5(dist=4948) | intergenic |
| 6 | 32610997 | C | G | rs1130162 | 5.91E-05 | 0.136 | 0.192 | 0.66 | 0.52 | -0.83 | 1.89E-03 | 0.161 | 0.226 | 0.66 | 0.51 | -0.85 | 0.65 | 1.34E-06 | HLA-DQA1 | UTR3 |
| 6 | 32645974 | G | A | rs28755292 | 2.69E-03 | 0.283 | 0.264 | 0.75 | 0.62 | -0.92 | 2.17E-05 | 0.161 | 0.244 | 0.60 | 0.46 | -0.77 | 0.67 | 1.35E-06 | HLA-DQB1(dist=11508), HLA-DQA2(dist=63189) | intergenic |
| 6 | 32478161 | G | A | rs139612130 | 3.00E-07 | 0.404 | 0.484 | 0.72 | 0.61 | -0.85 | 5.24E-02 | 0.523 | 0.480 | 0.84 | 0.7 | -1.01 | 0.67 | 1.36E-06 | HLA-DRA(dist=65335), HLA-DRB5(dist=6993) | intergenic |
| 6 | 32539339 | A | G | rs9269282 | 2.74E-03 | 0.366 | 0.315 | 0.80 | 0.67 | -0.94 | 2.59E-05 | 0.359 | 0.278 | 0.69 | 0.56 | -0.83 | 0.68 | 1.36E-06 | HLA-DRB6(dist=11560), HLA-DRB1(dist=7208) | intergenic |
| 6 | 32454401 | A | T | rs9269256 | 2.79E-05 | 0.246 | 0.185 | 0.69 | 0.57 | -0.84 | 3.71E-03 | 0.203 | 0.153 | 0.71 | 0.56 | -0.9 | 0.64 | 1.36E-06 | HLA-DRA(dist=41575), HLA-DRB5(dist=30753) | intergenic |
| 6 | 32520256 | G | A | rs115706291 | 3.98E-05 | 0.066 | 0.106 | 0.59 | 0.43 | -0.82 | 1.96E-03 | 0.101 | 0.151 | 0.63 | 0.47 | -0.86 | 0.56 | 1.37E-06 | HLA-DRB6 | downstream |
| 6 | 32644701 | G | A | rs28755249 | 2.96E-03 | 0.210 | 0.260 | 0.76 | 0.62 | -0.92 | 2.02E-05 | 0.160 | 0.242 | 0.60 | 0.46 | -0.77 | 0.67 | 1.38E-06 | HLA-DQB1(dist=10235), HLA-DQA2(dist=64462) | intergenic |
| 6 | 32644694 | C | G | rs28755248 | 3.24E-03 | 0.209 | 0.259 | 0.76 | 0.62 | -0.92 | 1.77E-05 | 0.160 | 0.242 | 0.60 | 0.46 | -0.77 | 0.67 | 1.39E-06 | HLA-DQB1(dist=10228), HLA-DQA2(dist=64469) | intergenic |
| 6 | 32460082 | C | G | rs75127169 | 3.35E-05 | 0.185 | 0.247 | 0.69 | 0.56 | -0.85 | 3.45E-03 | 0.206 | 0.267 | 0.71 | 0.57 | -0.9 | 0.66 | 1.40E-06 | HLA-DRA(dist=47256), HLA-DRB5(dist=25072) | intergenic |
| 6 | 32489269 | C | T | rs112477119 | 6.35E-05 | 0.112 | 0.159 | 0.66 | 0.52 | -0.85 | 1.91E-03 | 0.119 | 0.168 | 0.67 | 0.5 | -0.89 | 0.60 | 1.41E-06 | HLA-DRB5 | intronic |
| 6 | 32642604 | G | C | rs9274994 | 1.88E-03 | 0.195 | 0.248 | 0.74 | 0.6 | -0.9 | 3.68E-05 | 0.146 | 0.222 | 0.60 | 0.46 | -0.78 | 0.67 | 1.42E-06 | HLA-DQB1(dist=8138), HLA-DQA2(dist=66559) | intergenic |
| 6 | 32607596 | G | A | rs28383389 | 5.15E-05 | 0.130 | 0.189 | 0.64 | 0.51 | -0.81 | 2.27E-03 | 0.141 | 0.200 | 0.66 | 0.5 | -0.86 | 0.65 | 1.42E-06 | HLA-DQA1 | intronic |
| 6 | 32460295 | T | C | rs77361953 | 3.47E-05 | 0.179 | 0.240 | 0.69 | 0.56 | -0.85 | 3.54E-03 | 0.197 | 0.255 | 0.72 | 0.57 | -0.9 | 0.65 | 1.44E-06 | HLA-DRA(dist=47469), HLA-DRB5(dist=24859) | intergenic |
| 6 | 32604793 | T | C | rs386699538;rs9272389;rs386699539 | 2.93E-03 | 0.371 | 0.429 | 0.79 | 0.66 | -0.93 | 2.28E-05 | 0.363 | 0.461 | 0.67 | 0.55 | -0.81 | 0.71 | 1.45E-06 | HLA-DQA1 | upstream |
| 6 | 32470187 | C | G | rs112452897 | 1.96E-05 | 0.237 | 0.301 | 0.72 | 0.6 | -0.87 | 5.15E-03 | 0.272 | 0.332 | 0.75 | 0.61 | -0.93 | 0.67 | 1.45E-06 | HLA-DRA(dist=57361), HLA-DRB5(dist=14967) | intergenic |
| 6 | 32457874 | T | C | rs74973088 | 4.27E-05 | 0.219 | 0.281 | 0.72 | 0.59 | -0.87 | 3.04E-03 | 0.230 | 0.289 | 0.73 | 0.59 | -0.91 | 0.66 | 1.46E-06 | HLA-DRA(dist=45048), HLA-DRB5(dist=27280) | intergenic |
| 6 | 32604264 | G | T | rs9272336 | 3.79E-05 | 0.291 | 0.223 | 0.70 | 0.58 | -0.84 | 3.08E-03 | 0.270 | 0.208 | 0.71 | 0.57 | -0.88 | 0.67 | 1.46E-06 | HLA-DQA1 | upstream |
| 6 | 32644806 | C | G | rs28755252 | 3.18E-03 | 0.211 | 0.260 | 0.76 | 0.62 | -0.92 | 1.93E-05 | 0.162 | 0.244 | 0.60 | 0.47 | -0.77 | 0.67 | 1.46E-06 | HLA-DQB1(dist=10340), HLA-DQA2(dist=64357) | intergenic |
| 6 | | | | | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32497277 | C | A | rs4492228 | 9.07E-06 | 0.298 | 0.235 | 0.73 | 0.61 | -0.87 | 8.74E-03 | 0.213 | 0.168 | 0.75 | 0.6 | -0.94 | 0.63 | 1.52E-06 | HLA-DRB5 | intronic |
| 6 | 32627830 | C | T | rs9273455 | 2.26E-06 | 0.126 | 0.201 | 0.58 | 0.45 | -0.73 | 2.43E-02 | 0.150 | 0.194 | 0.73 | 0.57 | -0.95 | 0.66 | 1.53E-06 | HLA-DQB1 | UTR3 |
| 6 | 32489117 | A | G | rs35507994 | 1.71E-05 | 0.274 | 0.215 | 0.73 | 0.6 | -0.87 | 6.04E-03 | 0.192 | 0.147 | 0.73 | 0.57 | -0.93 | 0.62 | 1.53E-06 | HLA-DRB5 | intronic |
| 13 | 105878815 | T | C | rs10508156 | 4.17E-05 | 0.130 | 0.091 | 1.50 | 1.17 | -1.93 | 7.26E-03 | 0.126 | 0.087 | 1.50 | 1.13 | -2 | 1.78 | 1.53E-06 | LINC01309(dist=1798780), DAOA-AS1(dist=232591) | intergenic |
| 6 | 32644680 | C | T | rs28755247 | 3.45E-03 | 0.207 | 0.257 | 0.76 | 0.62 | -0.93 | 1.89E-05 | 0.158 | 0.240 | 0.60 | 0.46 | -0.77 | 0.67 | 1.55E-06 | HLA-DQB1(dist=10214), HLA-DQA2(dist=64483) | intergenic |
| 6 | 32629650 | T | C | rs9273873 | 2.16E-06 | 0.133 | 0.208 | 0.58 | 0.46 | -0.74 | 2.51E-02 | 0.154 | 0.198 | 0.74 | 0.57 | -0.95 | 0.66 | 1.55E-06 | HLA-DQB1 | intronic |
| 6 | 32629462 | C | A | rs9273786 | 2.20E-06 | 0.133 | 0.208 | 0.58 | 0.46 | -0.74 | 2.52E-02 | 0.155 | 0.199 | 0.74 | 0.57 | -0.95 | 0.66 | 1.57E-06 | HLA-DQB1 | intronic |
| 6 | 32511866 | C | T | rs72853984 | 5.72E-03 | 0.310 | 0.266 | 0.81 | 0.68 | -0.97 | 1.45E-05 | 0.338 | 0.253 | 0.66 | 0.54 | -0.81 | 0.67 | 1.57E-06 | HLA-DRB5(dist=13860), HLA-DRB6(dist=8624) | intergenic |
| 6 | 32474936 | C | G | rs111975618 | 1.77E-05 | 0.228 | 0.293 | 0.71 | 0.59 | -0.86 | 6.37E-03 | 0.245 | 0.301 | 0.75 | 0.61 | -0.93 | 0.66 | 1.58E-06 | HLA-DRA(dist=21610), HLA-DRB5(dist=10218) | intergenic |
| 6 | 32554178 | T | C | rs9270077 | 4.94E-03 | 0.310 | 0.265 | 0.80 | 0.67 | -0.96 | 1.21E-05 | 0.311 | 0.232 | 0.67 | 0.55 | -0.82 | 0.66 | 1.58E-06 | HLA-DRB1 | intronic |
| 6 | 32576889 | A | T | rs9271129 | 1.79E-03 | 0.370 | 0.315 | 0.78 | 0.66 | -0.93 | 5.60E-05 | 0.352 | 0.272 | 0.69 | 0.57 | -0.84 | 0.69 | 1.58E-06 | HLA-DRB1(dist=19276), HLA-DQA1(dist=28294) | intergenic |
| 6 | 32495707 | G | A | rs112615434 | 3.01E-06 | 0.333 | 0.267 | 0.73 | 0.61 | -0.87 | 2.06E-02 | 0.247 | 0.209 | 0.81 | 0.65 | -1 | 0.64 | 1.58E-06 | HLA-DRB5 | intronic |
| 6 | 32495966 | G | A | rs112651494 | 5.61E-06 | 0.342 | 0.273 | 0.72 | 0.61 | -0.86 | 1.33E-02 | 0.255 | 0.211 | 0.78 | 0.63 | -0.97 | 0.65 | 1.59E-06 | HLA-DRB5 | intronic |
| 6 | 32646143 | A | G | rs28755302 | 2.36E-03 | 0.184 | 0.232 | 0.75 | 0.61 | -0.92 | 3.92E-05 | 0.154 | 0.232 | 0.60 | 0.47 | -0.78 | 0.66 | 1.60E-06 | HLA-DQB1(dist=11677), HLA-DQA2(dist=63020) | intergenic |
| 6 | 32525774 | G | A | rs78205167 | 4.08E-05 | 0.292 | 0.232 | 0.73 | 0.61 | -0.88 | 3.16E-03 | 0.223 | 0.171 | 0.72 | 0.57 | -0.9 | 0.64 | 1.60E-06 | HLA-DRB6 | ncRNA_exonic |
| 6 | 32605419 | G | C | rs9272444 | 3.82E-05 | 0.141 | 0.205 | 0.64 | 0.51 | -0.8 | 3.69E-03 | 0.135 | 0.188 | 0.67 | 0.51 | -0.88 | 0.66 | 1.62E-06 | HLA-DQA1 | intronic |
| 6 | 32611392 | C | T | rs9272983 | 4.98E-05 | 0.120 | 0.177 | 0.64 | 0.5 | -0.81 | 2.64E-03 | 0.136 | 0.193 | 0.66 | 0.5 | -0.86 | 0.64 | 1.63E-06 | HLA-DQA1 | UTR3 |
| 6 | 32611403 | G | A | rs9272987 | 5.16E-05 | 0.123 | 0.180 | 0.64 | 0.5 | -0.81 | 2.57E-03 | 0.137 | 0.194 | 0.66 | 0.5 | -0.86 | 0.65 | 1.63E-06 | HLA-DQA1 | UTR3 |
| 6 | 32627812 | C | G | rs9273453 | 2.41E-06 | 0.126 | 0.200 | 0.58 | 0.46 | -0.73 | 2.46E-02 | 0.150 | 0.194 | 0.73 | 0.57 | -0.95 | 0.66 | 1.63E-06 | HLA-DQB1 | UTR3 |
| 6 | 32468906 | T | A | rs73731427 | 1.17E-05 | 0.241 | 0.183 | 0.71 | 0.58 | -0.86 | 7.48E-03 | 0.191 | 0.147 | 0.73 | 0.57 | -0.92 | 0.62 | 1.63E-06 | HLA-DRA(dist=56080), HLA-DRB5(dist=16248) | intergenic |
| 6 | 32491033 | C | T | rs148638368 | 6.02E-05 | 0.303 | 0.240 | 0.73 | 0.61 | -0.87 | 2.43E-03 | 0.235 | 0.183 | 0.73 | 0.58 | -0.91 | 0.65 | 1.64E-06 | HLA-DRB5 | intronic |
| 6 | 32539391 | T | C | rs9269285 | 5.00E-03 | 0.446 | 0.398 | 0.82 | 0.7 | -0.97 | 1.16E-05 | 0.389 | 0.304 | 0.69 | 0.57 | -0.83 | 0.68 | 1.65E-06 | HLA-DRB6(dist=11612), HLA-DRB1(dist=7156) | intergenic |
| 6 | 32628764 | C | T | rs9273536 | 3.87E-06 | 0.132 | 0.205 | 0.59 | 0.46 | -0.74 | 1.88E-02 | 0.152 | 0.198 | 0.73 | 0.56 | -0.94 | 0.66 | 1.65E-06 | HLA-DQB1 | intronic |
| 6 | 32479229 | T | G | rs112337463 | 4.96E-05 | 0.153 | 0.209 | 0.68 | 0.55 | -0.85 | 2.92E-03 | 0.175 | 0.231 | 0.71 | 0.55 | -0.9 | 0.64 | 1.66E-06 | HLA-DRA(dist=66403), HLA-DRB5(dist=5925) | intergenic |
| 6 | 32630131 | C | T | rs9274079 | 9.90E-07 | 0.113 | 0.184 | 0.56 | 0.44 | -0.72 | 3.77E-02 | 0.144 | 0.184 | 0.75 | 0.58 | -0.98 | 0.64 | 1.69E-06 | HLA-DQB1 | intronic |
| 6 | 32647313 | A | G | rs28755369 | 3.02E-03 | 0.214 | 0.265 | 0.76 | 0.62 | -0.92 | 2.48E-05 | 0.160 | 0.240 | 0.60 | 0.47 | -0.78 | 0.68 | 1.69E-06 | HLA-DQB1(dist=12847), HLA-DQA2(dist=61850) | intergenic |
| 6 | 32459554 | C | A | rs9893879 | 5.93E-05 | 0.089 | 0.132 | 0.65 | 0.49 | -0.86 | 2.36E-03 | 0.098 | 0.142 | 0.65 | 0.48 | -0.89 | 0.66 | 1.70E-06 | HLA-DRA(dist=46728), HLA-DRB5(dist=25600) | intergenic |
| 6 | 32456793 | A | G | rs77923331 | 1.08E-05 | 0.307 | 0.374 | 0.74 | 0.62 | -0.88 | 9.78E-03 | 0.346 | 0.402 | 0.79 | 0.65 | -0.96 | 0.67 | 1.71E-06 | HLA-DRA(dist=43967), HLA-DRB5(dist=28361) | intergenic |
| 6 | 32630707 | C | T | rs17843716 | 2.41E-06 | 0.100 | 0.164 | 0.56 | 0.43 | -0.73 | 2.34E-02 | 0.126 | 0.162 | 0.74 | 0.56 | -0.98 | 0.62 | 1.72E-06 | HLA-DQB1 | intronic |
| 6 | 32647383 | C | A | rs28755372 | 2.33E-03 | 0.208 | 0.260 | 0.75 | 0.61 | -0.91 | 3.89E-05 | 0.156 | 0.234 | 0.60 | 0.47 | -0.78 | 0.67 | 1.72E-06 | HLA-DQB1(dist=12917), HLA-DQA2(dist=61780) | intergenic |
| 6 | 32525674 | A | C | rs72845727 | 4.14E-03 | 0.331 | 0.286 | 0.81 | 0.68 | -0.96 | 2.48E-05 | 0.337 | 0.256 | 0.68 | 0.55 | -0.82 | 0.67 | 1.72E-06 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32470011 | C | T | rs113943212 | 6.08E-05 | 0.204 | 0.263 | 0.72 | 0.59 | -0.87 | 2.64E-03 | 0.198 | 0.253 | 0.73 | 0.58 | -0.92 | 0.65 | 1.72E-06 | HLA-DRA(dist=57185), HLA-DRB5(dist=15143) | intergenic |
| 6 | 32629091 | C | G | rs9273595 | 3.26E-06 | 0.137 | 0.213 | 0.59 | 0.47 | -0.74 | 2.25E-02 | 0.156 | 0.201 | 0.73 | 0.57 | -0.95 | 0.67 | 1.72E-06 | HLA-DQB1 | intronic |
| 6 | 32526396 | A | G | rs28534491 | 3.09E-05 | 0.245 | 0.187 | 0.71 | 0.59 | -0.86 | 4.40E-03 | 0.180 | 0.136 | 0.71 | 0.56 | -0.91 | 0.62 | 1.72E-06 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32647357 | T | C | rs28755371 | 2.29E-03 | 0.209 | 0.261 | 0.75 | 0.61 | -0.91 | 4.00E-05 | 0.156 | 0.234 | 0.60 | 0.47 | -0.78 | 0.68 | 1.73E-06 | HLA-DQB1(dist=12891), HLA-DQA2(dist=61806) | intergenic |
| 4 | 124000986 | C | G | rs149416397 | 2.32E-06 | 0.095 | 0.053 | 1.90 | 1.41 | -2.55 | 7.71E-02 | 0.067 | 0.048 | 1.43 | 0.98 | -2.08 | 1.99 | 1.74E-06 | SPATA5 | intronic |
| 4 | 96533629 | T | A | rs60456607 | 1.68E-05 | 0.264 | 0.200 | 1.43 | 1.19 | -1.73 | 2.21E-02 | 0.241 | 0.194 | 1.32 | 1.06 | -1.64 | 1.47 | 1.74E-06 | UNC5C(dist=63268), PDHA2(dist=227610) | intergenic |
| 6 | 32484672 | C | T | rs77359414;rs370404320 | 1.00E-05 | 0.331 | 0.401 | 0.74 | 0.62 | -0.88 | 1.02E-02 | 0.384 | 0.437 | 0.80 | 0.66 | -0.97 | 0.67 | 1.78E-06 | HLA-DRB5 | downstream |
| 13 | 48115127 | G | A | rs2406428 | 2.17E-06 | 0.057 | 0.123 | 0.44 | 0.31 | -0.61 | 7.72E-02 | 0.078 | 0.094 | 0.82 | 0.58 | -1.16 | 0.58 | 1.78E-06 | HTR2A(dist=643916), LINC00562(dist=389161) | intergenic |
| 6 | 32630687 | G | C | rs17613549 | 2.62E-06 | 0.100 | 0.164 | 0.57 | 0.44 | -0.74 | 2.31E-02 | 0.126 | 0.163 | 0.74 | 0.56 | -0.98 | 0.62 | 1.78E-06 | HLA-DQB1 | intronic |
| 6 | 32631256 | A | G | rs9274239 | 9.94E-06 | 0.132 | 0.200 | 0.61 | 0.48 | -0.77 | 1.21E-02 | 0.130 | 0.172 | 0.72 | 0.54 | -0.95 | 0.65 | 1.80E-06 | HLA-DQB1 | intronic |
| 6 | 32572030 | T | A | rs526784 | 2.73E-05 | 0.153 | 0.221 | 0.64 | 0.51 | -0.79 | 5.43E-03 | 0.156 | 0.212 | 0.69 | 0.53 | -0.89 | 0.67 | 1.81E-06 | HLA-DRB1(dist=14417), HLA-DQA1(dist=33153) | intergenic |
| 6 | 32540742 | C | T | rs9269367 | 9.29E-06 | 0.415 | 0.352 | 0.76 | 0.65 | -0.9 | 9.99E-03 | 0.430 | 0.373 | 0.79 | 0.65 | -0.95 | 0.66 | 1.81E-06 | HLA-DRB6(dist=12963), HLA-DRB5(dist=5805) | intergenic |
| 6 | 32644562 | G | A | rs28755240 | 4.24E-03 | 0.211 | 0.260 | 0.76 | 0.62 | -0.93 | 1.66E-05 | 0.156 | 0.238 | 0.59 | 0.46 | -0.77 | 0.68 | 1.85E-06 | HLA-DQB1(dist=10096), HLA-DQA2(dist=64601) | intergenic |
| 6 | 32628699 | A | G | rs38669574;rs9273530 | 4.60E-06 | 0.131 | 0.205 | 0.59 | 0.47 | -0.74 | 1.87E-02 | 0.152 | 0.198 | 0.73 | 0.56 | -0.94 | 0.66 | 1.85E-06 | HLA-DQB1 | intronic |
| 6 | 32628698 | C | T | rs9273529;rs38669574 | 4.60E-06 | 0.131 | 0.205 | 0.59 | 0.47 | -0.74 | 1.87E-02 | 0.152 | 0.198 | 0.73 | 0.56 | -0.94 | 0.66 | 1.85E-06 | HLA-DQB1 | intronic |
| 6 | 32485410 | T | C | rs151002802 | 5.31E-05 | 0.423 | 0.362 | 0.77 | 0.66 | -0.91 | 3.05E-03 | 0.302 | 0.246 | 0.76 | 0.62 | -0.93 | 0.65 | 1.86E-06 | HLA-DRB5(NM_002125:c.*106C>A) | UTR3 |
| 6 | 32628407 | T | C | rs9273504 | 3.67E-06 | 0.137 | 0.213 | 0.59 | 0.47 | -0.74 | 2.24E-02 | 0.156 | 0.201 | 0.73 | 0.57 | -0.95 | 0.67 | 1.87E-06 | HLA-DQB1 | intronic |
| 6 | 32645626 | A | C | rs28755279 | 4.40E-03 | 0.208 | 0.256 | 0.77 | 0.63 | -0.93 | 1.69E-05 | 0.160 | 0.243 | 0.59 | 0.46 | -0.76 | 0.68 | 1.88E-06 | HLA-DQB1(dist=11160), HLA-DQA2(dist=63537) | intergenic |
| 6 | 32489204 | G | A | rs114828939 | 4.09E-05 | 0.290 | 0.229 | 0.73 | 0.61 | -0.87 | 3.64E-03 | 0.204 | 0.152 | 0.70 | 0.56 | -0.89 | 0.64 | 1.88E-06 | HLA-DRB5 | intronic |
| 13 | 48092853 | G | A | rs9595729 | 1.03E-06 | 0.050 | 0.116 | 0.40 | 0.28 | -0.57 | 1.11E-01 | 0.077 | 0.091 | 0.84 | 0.59 | -1.19 | 0.58 | 1.89E-06 | HTR2A(dist=621642), LINC00562(dist=411435) | intergenic |
| 6 | 32455358 | C | T | rs116615641 | 2.03E-05 | 0.255 | 0.312 | 0.75 | 0.63 | -0.9 | 5.13E-03 | 0.317 | 0.372 | 0.79 | 0.64 | -0.96 | 0.65 | 1.90E-06 | HLA-DRA(dist=42532), HLA-DRB5(dist=29796) | intergenic |
| 6 | 32479282 | C | T | rs116597030 | 5.27E-05 | 0.311 | 0.251 | 0.74 | 0.62 | -0.89 | 3.15E-03 | 0.246 | 0.195 | 0.74 | 0.6 | -0.92 | 0.64 | 1.90E-06 | HLA-DRA(dist=66456), HLA-DRB5(dist=5872) | intergenic |
| 6 | 32537028 | C | T | rs114170927 | 3.22E-03 | 0.371 | 0.320 | 0.80 | 0.67 | -0.95 | 3.15E-05 | 0.349 | 0.267 | 0.68 | 0.56 | -0.83 | 0.68 | 1.91E-06 | HLA-DRB6(dist=9249), HLA-DRB1(dist=9519) | intergenic |
| 6 | 32647803 | T | G | rs28371236 | 2.25E-03 | 0.200 | 0.250 | 0.75 | 0.61 | -0.92 | 4.82E-05 | 0.157 | 0.234 | 0.61 | 0.47 | -0.79 | 0.67 | 1.92E-06 | HLA-DQB1(dist=13337), HLA-DQA2(dist=61360) | intergenic |
| 6 | 32461281 | T | A | rs111506838 | 1.76E-06 | 0.198 | 0.262 | 0.69 | 0.57 | -0.85 | 2.68E-02 | 0.251 | 0.299 | 0.78 | 0.63 | -0.97 | 0.65 | 1.92E-06 | HLA-DRA(dist=48455), HLA-DRB5(dist=23873) | intergenic |
| 6 | 32644670 | G | C | rs28755246 | 3.83E-03 | 0.208 | 0.258 | 0.76 | 0.62 | -0.92 | 2.06E-05 | 0.152 | 0.232 | 0.59 | 0.46 | -0.7 | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|----------|---|----|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|------------|
| 6 | 32587117 | C | G | rs28383313 | 4.58E-05 | 0.166 | 0.235 | 0.65 | 0.52 | -0.8 | 3.92E-03 | 0.165 | 0.224 | 0.68 | 0.53 | -0.88 | 0.68 | 2.00E-06 | HLA-DRB1(dist=29504), HLA-DQA1(dist=18066) | intergenic |
| 6 | 32543171 | A | C | rs34099950 | 6.15E-05 | 0.084 | 0.130 | 0.61 | 0.46 | -0.81 | 2.82E-03 | 0.103 | 0.153 | 0.64 | 0.47 | -0.87 | 0.59 | 2.02E-06 | HLA-DRB6(dist=15392), HLA-DRB1(dist=3376) | intergenic |
| 6 | 32484743 | A | T | rs113169828;rs200756912 | 8.23E-06 | 0.391 | 0.462 | 0.75 | 0.63 | -0.88 | 1.22E-02 | 0.523 | 0.467 | 0.80 | 0.66 | -0.96 | 0.69 | 2.06E-06 | HLA-DRB5 | downstream |
| 6 | 32541123 | C | T | rs9269390 | 2.93E-03 | 0.379 | 0.327 | 0.80 | 0.67 | -0.94 | 3.70E-05 | 0.362 | 0.281 | 0.69 | 0.57 | -0.84 | 0.68 | 2.06E-06 | HLA-DRB6(dist=13344), HLA-DRB1(dist=5424) | intergenic |
| 6 | 32608507 | A | C | rs28383417 | 6.19E-05 | 0.119 | 0.177 | 0.63 | 0.49 | -0.81 | 2.99E-03 | 0.126 | 0.178 | 0.66 | 0.5 | -0.88 | 0.64 | 2.07E-06 | HLA-DQA1 | intronic |
| 6 | 32644658 | G | T | rs28755245 | 3.75E-03 | 0.208 | 0.258 | 0.76 | 0.62 | -0.92 | 2.36E-05 | 0.152 | 0.232 | 0.60 | 0.46 | -0.77 | 0.68 | 2.08E-06 | HLA-DQB1(dist=10192), HLA-DQA2(dist=64505) | intergenic |
| 6 | 32644869 | A | T | rs28755253 | 3.48E-03 | 0.212 | 0.261 | 0.76 | 0.62 | -0.93 | 2.77E-05 | 0.162 | 0.242 | 0.60 | 0.47 | -0.78 | 0.68 | 2.08E-06 | HLA-DQB1(dist=10403), HLA-DQA2(dist=64294) | intergenic |
| 6 | 32498885 | T | C | rs78569932 | 4.73E-05 | 0.277 | 0.220 | 0.74 | 0.61 | -0.89 | 3.72E-03 | 0.206 | 0.158 | 0.72 | 0.57 | -0.91 | 0.63 | 2.08E-06 | HLA-DRB5 | upstream |
| 6 | 32631584 | T | C | NA | 8.67E-06 | 0.120 | 0.184 | 0.60 | 0.47 | -0.77 | 1.35E-02 | 0.128 | 0.169 | 0.72 | 0.55 | -0.95 | 0.64 | 2.09E-06 | HLA-DQA1(dist=3992), HLA-DQB1(dist=11820) | intergenic |
| 6 | 32479668 | G | A | rs73729754 | 6.34E-05 | 0.274 | 0.216 | 0.73 | 0.61 | -0.88 | 2.85E-03 | 0.208 | 0.156 | 0.71 | 0.56 | -0.89 | 0.64 | 2.09E-06 | HLA-DRA(dist=66842), HLA-DRB5(dist=5486) | intergenic |
| 6 | 32630700 | A | C | rs17843715 | 3.20E-06 | 0.100 | 0.164 | 0.57 | 0.44 | -0.74 | 2.32E-02 | 0.126 | 0.162 | 0.74 | 0.56 | -0.98 | 0.62 | 2.09E-06 | HLA-DQB1 | intronic |
| 6 | 32482481 | T | C | rs111537693 | 2.49E-05 | 0.301 | 0.237 | 0.72 | 0.6 | -0.87 | 6.24E-03 | 0.240 | 0.193 | 0.76 | 0.61 | -0.94 | 0.65 | 2.11E-06 | HLA-DRA(dist=69655), HLA-DRB5(dist=2673) | intergenic |
| 6 | 32507548 | G | A | rs67542250 | 5.18E-05 | 0.272 | 0.214 | 0.73 | 0.6 | -0.87 | 3.43E-03 | 0.210 | 0.159 | 0.71 | 0.56 | -0.89 | 0.64 | 2.11E-06 | HLA-DRB5(dist=9542), HLA-DRB6(dist=12942) | intergenic |
| 13 | 48076943 | C | T | rs7331318 | 8.41E-07 | 0.049 | 0.116 | 0.40 | 0.28 | -0.57 | 1.40E-01 | 0.079 | 0.091 | 0.86 | 0.61 | -1.21 | 0.58 | 2.14E-06 | HTR2A(dist=605732), LINC00562(dist=427345) | intergenic |
| 6 | 32532055 | G | C | rs34492489;rs72845775 | 2.61E-05 | 0.273 | 0.213 | 0.72 | 0.6 | -0.87 | 5.47E-03 | 0.222 | 0.173 | 0.73 | 0.59 | -0.92 | 0.64 | 2.15E-06 | HLA-DRB6(dist=4276), HLA-DRB1(dist=14492) | intergenic |
| 6 | 32647012 | A | G | rs28755351 | 2.46E-03 | 0.209 | 0.260 | 0.75 | 0.62 | -0.92 | 5.19E-05 | 0.178 | 0.257 | 0.62 | 0.49 | -0.79 | 0.68 | 2.18E-06 | HLA-DQB1(dist=12546), HLA-DQA2(dist=62151) | intergenic |
| 6 | 32647816 | T | G | rs28371237 | 2.48E-03 | 0.196 | 0.245 | 0.75 | 0.61 | -0.91 | 4.99E-05 | 0.146 | 0.222 | 0.60 | 0.46 | -0.78 | 0.67 | 2.18E-06 | HLA-DQB1(dist=13350), HLA-DQA2(dist=61347) | intergenic |
| 6 | 32628256 | G | T | rs9273494 | 3.69E-06 | 0.139 | 0.215 | 0.59 | 0.47 | -0.74 | 2.53E-02 | 0.158 | 0.202 | 0.74 | 0.57 | -0.95 | 0.67 | 2.19E-06 | HLA-DQB1 | intronic |
| 8 | 73819016 | G | C | rs114147012 | 5.40E-03 | 0.069 | 0.049 | 1.42 | 1.02 | -1.98 | 3.31E-05 | 0.081 | 0.042 | 2.02 | 1.42 | -2.87 | 2.20 | 2.19E-06 | KCNB2 | intronic |
| 6 | 32645599 | A | G | rs28755278 | 3.16E-03 | 0.209 | 0.258 | 0.76 | 0.62 | -0.92 | 3.44E-05 | 0.161 | 0.241 | 0.61 | 0.47 | -0.78 | 0.68 | 2.19E-06 | HLA-DQB1(dist=11133), HLA-DQA2(dist=63564) | intergenic |
| 6 | 32460157 | T | C | rs113255123;rs199673613 | 4.07E-05 | 0.189 | 0.250 | 0.70 | 0.57 | -0.85 | 4.70E-03 | 0.232 | 0.290 | 0.74 | 0.59 | -0.92 | 0.66 | 2.20E-06 | HLA-DRA(dist=47331), HLA-DRB5(dist=24997) | intergenic |
| 6 | 32484706 | A | G | rs62405576 | 5.81E-06 | 0.421 | 0.495 | 0.74 | 0.63 | -0.88 | 1.65E-02 | 0.500 | 0.449 | 0.81 | 0.67 | -0.98 | 0.68 | 2.20E-06 | HLA-DRB5 | downstream |
| 6 | 32455345 | T | C | rs145126112 | 1.99E-06 | 0.275 | 0.345 | 0.72 | 0.6 | -0.86 | 3.26E-02 | 0.333 | 0.381 | 0.81 | 0.67 | -0.99 | 0.67 | 2.20E-06 | HLA-DRA(dist=42519), HLA-DRB5(dist=29809) | intergenic |
| 6 | 32646588 | G | A | rs28755326 | 2.73E-03 | 0.205 | 0.254 | 0.75 | 0.62 | -0.92 | 4.46E-05 | 0.158 | 0.236 | 0.61 | 0.47 | -0.78 | 0.68 | 2.20E-06 | HLA-DQB1(dist=12122), HLA-DQA2(dist=62575) | intergenic |
| 6 | 32644983 | G | A | rs28755259 | 3.43E-03 | 0.189 | 0.236 | 0.76 | 0.62 | -0.93 | 3.47E-05 | 0.166 | 0.246 | 0.61 | 0.48 | -0.78 | 0.67 | 2.20E-06 | HLA-DQB1(dist=10517), HLA-DQA2(dist=64180) | intergenic |
| 6 | 32456364 | T | A | rs76090041 | 1.65E-05 | 0.390 | 0.458 | 0.76 | 0.64 | -0.89 | 8.52E-03 | 0.525 | 0.471 | 0.81 | 0.67 | -0.97 | 0.68 | 2.21E-06 | HLA-DRA(dist=43538), HLA-DRB5(dist=28790) | intergenic |
| 6 | 32628998 | T | C | rs38669577;rs9273561 | 3.70E-06 | 0.158 | 0.210 | 0.59 | 0.47 | -0.74 | 2.49E-02 | 0.158 | 0.202 | 0.74 | 0.57 | -0.96 | 0.67 | 2.22E-06 | HLA-DQB1 | intronic |
| 13 | 48070850 | G | T | rs74073872 | 8.77E-07 | 0.049 | 0.115 | 0.40 | 0.28 | -0.57 | 1.41E-01 | 0.079 | 0.091 | 0.86 | 0.61 | -1.21 | 0.58 | 2.23E-06 | HTR2A(dist=599639), LINC00562(dist=433438) | intergenic |
| 6 | 32647280 | G | C | rs28755368 | 2.87E-03 | 0.212 | 0.263 | 0.75 | 0.62 | -0.92 | 3.97E-05 | 0.156 | 0.235 | 0.60 | 0.47 | -0.78 | 0.68 | 2.24E-06 | HLA-DQB1(dist=12814), HLA-DQA2(dist=61883) | intergenic |
| 6 | 32501015 | T | C | rs115654776 | 6.41E-05 | 0.228 | 0.175 | 0.72 | 0.59 | -0.88 | 2.85E-03 | 0.195 | 0.146 | 0.70 | 0.55 | -0.89 | 0.62 | 2.25E-06 | HLA-DRB5(dist=3009), HLA-DRB6(dist=19475) | intergenic |
| 13 | 48089493 | A | C | rs9595727 | 1.17E-06 | 0.050 | 0.115 | 0.40 | 0.28 | -0.57 | 1.19E-01 | 0.078 | 0.091 | 0.84 | 0.6 | -1.19 | 0.58 | 2.26E-06 | HTR2A(dist=618282), LINC00562(dist=414795) | intergenic |
| 6 | 32647728 | G | C | rs283711229 | 2.89E-03 | 0.207 | 0.256 | 0.76 | 0.62 | -0.92 | 4.22E-05 | 0.153 | 0.230 | 0.60 | 0.47 | -0.78 | 0.68 | 2.27E-06 | HLA-DQB1(dist=13262), HLA-DQA2(dist=61435) | intergenic |
| 6 | 32644878 | T | C | rs28755254 | 2.88E-03 | 0.209 | 0.259 | 0.76 | 0.62 | -0.92 | 4.17E-05 | 0.161 | 0.240 | 0.61 | 0.47 | -0.78 | 0.68 | 2.27E-06 | HLA-DQB1(dist=10412), HLA-DQA2(dist=64285) | intergenic |
| 6 | 32647786 | A | G | rs28371235 | 2.63E-03 | 0.196 | 0.246 | 0.75 | 0.61 | -0.92 | 4.86E-05 | 0.146 | 0.222 | 0.60 | 0.46 | -0.78 | 0.67 | 2.27E-06 | HLA-DQB1(dist=13320), HLA-DQA2(dist=61377) | intergenic |
| 6 | 32630814 | C | NA | | 6.43E-06 | 0.108 | 0.171 | 0.59 | 0.45 | -0.76 | 1.88E-02 | 0.121 | 0.159 | 0.73 | 0.55 | -0.97 | 0.63 | 2.29E-06 | HLA-DQA1(dist=3992), HLA-DQB1(dist=11820) | intergenic |
| 6 | 32569205 | G | A | rs9270788 | 3.43E-03 | 0.388 | 0.338 | 0.81 | 0.68 | -0.96 | 3.69E-05 | 0.381 | 0.300 | 0.70 | 0.57 | -0.84 | 0.69 | 2.29E-06 | HLA-DRB1(dist=11592), HLA-DQA1(dist=35978) | intergenic |
| 6 | 32508204 | T | G | rs67342127 | 7.79E-06 | 0.321 | 0.253 | 0.72 | 0.6 | -0.86 | 1.49E-02 | 0.264 | 0.219 | 0.78 | 0.63 | -0.97 | 0.65 | 2.29E-06 | HLA-DRB5(dist=10198), HLA-DRB6(dist=12286) | intergenic |
| 6 | 32569852 | G | A | rs622137 | 4.42E-05 | 0.161 | 0.230 | 0.65 | 0.52 | -0.8 | 4.81E-03 | 0.154 | 0.210 | 0.68 | 0.53 | -0.88 | 0.68 | 2.29E-06 | HLA-DRB1(dist=12239), HLA-DQA1(dist=35331) | intergenic |
| 6 | 32514302 | A | G | rs67571763 | 5.17E-05 | 0.252 | 0.198 | 0.73 | 0.61 | -0.89 | 3.41E-03 | 0.201 | 0.152 | 0.71 | 0.56 | -0.9 | 0.63 | 2.31E-06 | HLA-DRB5(dist=16296), HLA-DRB6(dist=6188) | intergenic |
| 6 | 32610863 | A | G | rs9272914 | 4.77E-05 | 0.117 | 0.173 | 0.63 | 0.5 | -0.81 | 3.89E-03 | 0.138 | 0.191 | 0.68 | 0.52 | -0.88 | 0.65 | 2.32E-06 | HLA-DQA1(NM_002122:c.*155A>G) | UTR3 |
| 13 | 48085819 | C | T | rs74073877 | 1.10E-06 | 0.050 | 0.115 | 0.40 | 0.28 | -0.57 | 1.27E-01 | 0.078 | 0.091 | 0.85 | 0.6 | -1.2 | 0.58 | 2.32E-06 | HTR2A(dist=614608), LINC00562(dist=418469) | intergenic |
| 6 | 32647546 | G | A | rs28371220 | 2.90E-03 | 0.212 | 0.263 | 0.75 | 0.62 | -0.92 | 4.17E-05 | 0.155 | 0.233 | 0.60 | 0.47 | -0.78 | 0.68 | 2.35E-06 | HLA-DQB1(dist=13080), HLA-DQA2(dist=61617) | intergenic |
| 6 | 32647556 | G | C | rs28371221 | 2.90E-03 | 0.212 | 0.263 | 0.75 | 0.62 | -0.92 | 4.17E-05 | 0.155 | 0.233 | 0.60 | 0.47 | -0.78 | 0.68 | 2.35E-06 | HLA-DQB1(dist=13090), HLA-DQA2(dist=61607) | intergenic |
| 6 | 32641142 | C | A | rs9274888 | 7.59E-03 | 0.144 | 0.183 | 0.75 | 0.6 | -0.94 | 1.53E-05 | 0.128 | 0.207 | 0.56 | 0.43 | -0.74 | 0.65 | 2.37E-06 | HLA-DQB1(dist=6676), HLA-DQA2(dist=68021) | intergenic |
| 6 | 32541296 | A | G | rs9269398 | 2.64E-05 | 0.543 | 0.474 | 0.76 | 0.64 | -0.89 | 5.67E-03 | 0.517 | 0.455 | 0.78 | 0.65 | -0.94 | 0.68 | 2.37E-06 | HLA-DRB6(dist=13517), HLA-DRB1(dist=5251) | intergenic |
| 6 | 32605418 | G | A | rs9272443 | 5.99E-05 | 0.143 | 0.205 | 0.65 | 0.52 | -0.81 | 3.70E-03 | 0.135 | 0.188 | 0.67 | 0.51 | -0.88 | 0.66 | 2.37E-06 | HLA-DQA1 | intronic |
| 6 | 32647779 | C | A | rs28371234 | 2.72E-03 | 0.195 | 0.245 | 0.75 | 0.61 | -0.92 | 4.93E-05 | 0.146 | 0.222 | 0.60 | 0.46 | -0.78 | 0.67 | 2.38E-06 | HLA-DQB1(dist=13313), HLA-DQA2(dist=61384) | intergenic |
| 6 | 32628873 | C | T | rs9273549 | 4.56E-06 | 0.127 | 0.198 | 0.59 | 0.46 | -0.75 | 2.15E-02 | 0.156 | 0.201 | 0.73 | 0.57 | -0.95 | 0.67 | 2.39E-06 | HLA-DQB1 | intronic |
| 6 | 32456339 | G | A | rs78486723 | 1.42E-05 | 0.397 | 0.466 | 0.75 | 0.64 | -0.89 | 1.02E-02 | 0.527 | 0.473 | 0.81 | 0.67 | -0.97 | 0.68 | 2.40E-06 | HLA-DRA(dist=43513), HLA-DRB5(dist=28815) | intergenic |
| 6 | 32632275 | G | A | rs9274334 | 1.87E-05 | 0.114 | 0.172 | 0.62 | 0.48 | -0.79 | 8.70E-03 | 0.123 | 0.162 | 0.72 | 0.54 | -0.96 | 0.62 | 2.40E-06 | HLA-DQB1 | intronic |
| 6 | 32536968 | G | A | rs75895939 | 7.03E-03 | 0.350 | 0.301 | 0.80 | 0.68 | -0.95 | 1.25E-05 | 0.348 | 0.263 | 0.67 | 0.55 | -0.82 | 0.68 | 2.41E-06 | HLA-DRB6(dist=9189), HLA-DRB1(dist=9579) | intergenic |
| 6 | 32644958 | T | C | rs28755258 | 3.37E-03 | 0.185 | 0.232 | 0.76 | 0.61 | -0.93 | 4.07E-05 | 0.156 | 0.233 | 0.60 | 0.47 | -0.78 | 0.67 | 2.43E-06 | HLA-DQB1(dist=10492), HLA-DQA2(dist=64205) | intergenic |
| 6 | 32646145 | A | G | rs28755303 | 3.75E-03 | 0.187 | 0.233 | 0.76 | 0.62 | -0.93 | 3.82E-05 | 0.155 | 0.233 | 0.61 | 0.47 | -0.78 | 0.67 | 2.45E-06 | HLA-DQB1(dist=11679), HLA-DQA2(dist=63018) | intergenic |
| 6 | 32501169 | C | T | rs113972770 | 5.71E-05 | 0.210 | 0.159 | 0.71 | 0.58 | -0.87 | 3.33E-03 | 0.182 | 0.135 | 0.70 | 0.55 | -0.9 | 0.61 | 2.46E-06 | HLA-DRB5(dist=3163), HLA-DRB6(dist=19321) | intergenic |
| 6 | 32645906 | A | G | rs28755291 | 3.24E-03 | 0.209 | 0.258 | 0.76 | 0.62 | -0.92 | 3.92E-05 | 0.160 | 0.240 | 0.61 | 0.47 | -0.78 | 0.68 | 2.46E-06 | HLA-DQB1(dist=11440), HLA-DQA2(dist=63257) | intergenic |
| 6 | 32496249 | A | G | rs11460574 | 3.63E-05 | | | | | | | | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|------------|
| 6 | 32628779 | G | T | rs9273539 | 6.36E-06 | 0.123 | 0.192 | 0.59 | 0.47 | -0.75 | 1.87E-02 | 0.152 | 0.198 | 0.73 | 0.56 | -0.94 | 0.66 | 2.61E-06 | HLA-DQB1 | intronic |
| 6 | 32646604 | G | A | rs28755327 | 3.25E-03 | 0.202 | 0.250 | 0.76 | 0.62 | -0.93 | 4.56E-05 | 0.158 | 0.235 | 0.61 | 0.47 | -0.78 | 0.67 | 2.62E-06 | HLA-DQB1(dist=12138), HLA-DQA2(dist=62559) | intergenic |
| 8 | 51993654 | C | T | rs11995669 | 6.98E-03 | 0.049 | 0.033 | 1.47 | 0.99 | -2.18 | 4.18E-05 | 0.068 | 0.035 | 2.02 | 1.38 | -2.97 | 2.61 | 2.64E-06 | SNTG1(dist=286976), PXdNL(dist=238483) | intergenic |
| 6 | 32643953 | A | T | rs28755204 | 3.99E-03 | 0.218 | 0.267 | 0.77 | 0.63 | -0.93 | 3.32E-05 | 0.166 | 0.245 | 0.62 | 0.48 | -0.79 | 0.68 | 2.64E-06 | HLA-DQB1(dist=9487), HLA-DQA2(dist=65210) | intergenic |
| 6 | 3245520 | G | C | rs75353909 | 2.24E-05 | 0.428 | 0.498 | 0.75 | 0.64 | -0.89 | 8.70E-03 | 0.535 | 0.475 | 0.79 | 0.65 | -0.95 | 0.69 | 2.65E-06 | HLA-DRA(dist=42694), HLA-DRB5(dist=29634) | intergenic |
| 6 | 32538791 | C | T | rs113222119 | 6.28E-05 | 0.313 | 0.369 | 0.78 | 0.66 | -0.93 | 3.68E-03 | 0.277 | 0.336 | 0.76 | 0.61 | -0.93 | 0.65 | 2.66E-06 | HLA-DRB6(dist=11012), HLA-DRB1(dist=7756) | intergenic |
| 18 | 39668806 | G | T | rs145651100 | 2.10E-06 | 0.046 | 0.022 | 2.17 | 1.42 | -3.33 | 9.94E-02 | 0.037 | 0.026 | 1.45 | 0.88 | -2.4 | 3.19 | 2.66E-06 | PIK3C3(dist=7360), LINC00907(dist=97827) | intergenic |
| 6 | 32640918 | C | G | rs9274879 | 2.81E-03 | 0.155 | 0.204 | 0.71 | 0.57 | -0.89 | 5.65E-05 | 0.137 | 0.212 | 0.59 | 0.45 | -0.78 | 0.67 | 2.67E-06 | HLA-DQB1(dist=6452), HLA-DQA2(dist=68245) | intergenic |
| 6 | 32488132 | A | C | rs72508437 | 2.82E-05 | 0.246 | 0.190 | 0.72 | 0.59 | -0.87 | 6.63E-03 | 0.185 | 0.142 | 0.73 | 0.57 | -0.93 | 0.62 | 2.67E-06 | HLA-DRB5 | intronic |
| 6 | 32630178 | G | A | rs9274107 | 2.05E-06 | 0.098 | 0.162 | 0.56 | 0.43 | -0.74 | 2.87E-02 | 0.141 | 0.181 | 0.74 | 0.57 | -0.97 | 0.63 | 2.69E-06 | HLA-DQB1 | intronic |
| 13 | 48067790 | G | A | rs111454897 | 1.08E-06 | 0.049 | 0.114 | 0.40 | 0.28 | -0.57 | 1.44E-01 | 0.079 | 0.091 | 0.86 | 0.61 | -1.21 | 0.58 | 2.69E-06 | HTR2A(dist=596579), LINC00562(dist=436498) | intergenic |
| 6 | 32459289 | A | G | rs188621671 | 2.84E-06 | 0.261 | 0.331 | 0.72 | 0.6 | -0.86 | 3.37E-02 | 0.299 | 0.341 | 0.82 | 0.67 | -1.01 | 0.66 | 2.69E-06 | HLA-DRA(dist=46463), HLA-DRB5(dist=25865) | intergenic |
| 6 | 32541775 | A | C | rs113676040 | 3.29E-05 | 0.064 | 0.106 | 0.58 | 0.42 | -0.8 | 6.13E-03 | 0.079 | 0.118 | 0.64 | 0.46 | -0.91 | 0.55 | 2.70E-06 | HLA-DRB6(dist=13996), HLA-DRB1(dist=4772) | intergenic |
| 6 | 32608322 | T | C | rs9272644 | 5.71E-05 | 0.300 | 0.235 | 0.71 | 0.6 | -0.86 | 4.02E-03 | 0.270 | 0.210 | 0.72 | 0.58 | -0.89 | 0.68 | 2.71E-06 | HLA-DQA1 | intronic |
| 6 | 32647411 | G | C | rs28755375 | 3.17E-03 | 0.210 | 0.260 | 0.76 | 0.62 | -0.92 | 4.55E-05 | 0.154 | 0.231 | 0.61 | 0.47 | -0.78 | 0.68 | 2.71E-06 | HLA-DQB1(dist=12945), HLA-DQA2(dist=61752) | intergenic |
| 6 | 32455544 | A | G | rs192117946 | 1.46E-05 | 0.351 | 0.419 | 0.75 | 0.63 | -0.89 | 1.14E-02 | 0.430 | 0.486 | 0.80 | 0.66 | -0.96 | 0.68 | 2.71E-06 | HLA-DRA(dist=42718), HLA-DRB5(dist=29610) | intergenic |
| 6 | 32647412 | G | A | rs28755376 | 3.17E-03 | 0.210 | 0.260 | 0.76 | 0.62 | -0.92 | 4.57E-05 | 0.154 | 0.231 | 0.61 | 0.47 | -0.78 | 0.68 | 2.72E-06 | HLA-DQB1(dist=12946), HLA-DQA2(dist=61751) | intergenic |
| 6 | 32641148 | G | A | rs9274890 | 8.17E-03 | 0.144 | 0.183 | 0.75 | 0.6 | -0.94 | 1.64E-05 | 0.128 | 0.206 | 0.56 | 0.43 | -0.74 | 0.65 | 2.72E-06 | HLA-DQB1(dist=6682), HLA-DQA2(dist=68015) | intergenic |
| 6 | 32641161 | A | G | rs9274892 | 8.22E-03 | 0.142 | 0.181 | 0.75 | 0.59 | -0.94 | 1.64E-05 | 0.128 | 0.206 | 0.56 | 0.43 | -0.74 | 0.65 | 2.73E-06 | HLA-DQB1(dist=6695), HLA-DQA2(dist=68002) | intergenic |
| 6 | 32486943 | T | G | rs114195502 | 1.22E-05 | 0.349 | 0.283 | 0.74 | 0.62 | -0.88 | 1.34E-02 | 0.266 | 0.220 | 0.78 | 0.63 | -0.96 | 0.65 | 2.73E-06 | HLA-DRB5 | intronic |
| 6 | 32488545 | G | C | rs143375763 | 3.52E-05 | 0.327 | 0.265 | 0.74 | 0.62 | -0.89 | 6.08E-03 | 0.243 | 0.196 | 0.76 | 0.61 | -0.94 | 0.65 | 2.76E-06 | HLA-DRB5 | intronic |
| 6 | 32474961 | C | T | rs111832132 | 1.52E-05 | 0.186 | 0.248 | 0.69 | 0.56 | -0.85 | 1.20E-02 | 0.225 | 0.276 | 0.76 | 0.61 | -0.95 | 0.66 | 2.76E-06 | HLA-DRA(dist=62135), HLA-DRB5(dist=10193) | intergenic |
| 6 | 32643894 | T | G | rs28755202 | 4.11E-03 | 0.217 | 0.266 | 0.77 | 0.63 | -0.93 | 3.38E-05 | 0.165 | 0.243 | 0.62 | 0.48 | -0.79 | 0.68 | 2.77E-06 | HLA-DQB1(dist=9428), HLA-DQA2(dist=65269) | intergenic |
| 6 | 32569691 | G | A | rs477515 | 5.66E-05 | 0.162 | 0.229 | 0.65 | 0.52 | -0.81 | 4.74E-03 | 0.154 | 0.210 | 0.68 | 0.53 | -0.88 | 0.68 | 2.79E-06 | HLA-DRB1(dist=12078), HLA-DQA1(dist=35492) | intergenic |
| 6 | 32645695 | G | T | rs115932399 | 4.13E-03 | 0.208 | 0.256 | 0.77 | 0.63 | -0.93 | 3.34E-05 | 0.169 | 0.249 | 0.61 | 0.48 | -0.78 | 0.68 | 2.80E-06 | HLA-DQB1(dist=11229), HLA-DQA2(dist=63468) | intergenic |
| 6 | 32543202 | T | A | rs35651166 | 5.24E-05 | 0.088 | 0.135 | 0.62 | 0.47 | -0.82 | 4.50E-03 | 0.112 | 0.160 | 0.66 | 0.49 | -0.89 | 0.60 | 2.80E-06 | HLA-DRB6(dist=15423), HLA-DRB1(dist=3345) | intergenic |
| 6 | 32474548 | C | T | rs183295178 | 2.54E-05 | 0.235 | 0.296 | 0.73 | 0.6 | -0.88 | 7.31E-03 | 0.275 | 0.332 | 0.76 | 0.62 | -0.94 | 0.67 | 2.81E-06 | HLA-DRA(dist=61722), HLA-DRB5(dist=10606) | intergenic |
| 6 | 117622150 | A | C | rs210968 | 1.55E-03 | 0.069 | 0.043 | 1.64 | 1.17 | -2.3 | 3.92E-05 | 0.076 | 0.043 | 1.83 | 1.27 | -2.62 | 2.28 | 2.85E-06 | ROS1 | exonic |
| 13 | 48065294 | T | A | rs9595725 | 1.17E-06 | 0.048 | 0.114 | 0.40 | 0.28 | -0.57 | 1.44E-01 | 0.079 | 0.091 | 0.86 | 0.61 | -1.21 | 0.58 | 2.86E-06 | HTR2A(dist=594083), LINC00562(dist=438994) | intergenic |
| 16 | 61169037 | C | T | rs187205212 | 3.25E-05 | 0.086 | 0.053 | 1.68 | 1.24 | -2.28 | 2.05E-02 | 0.067 | 0.045 | 1.51 | 1.03 | -2.22 | 2.18 | 2.87E-06 | MIR4426(dist=79367), CDH8(dist=516878) | intergenic |
| 6 | 32644631 | G | A | rs28755244 | 3.61E-03 | 0.211 | 0.261 | 0.76 | 0.62 | -0.92 | 3.82E-05 | 0.152 | 0.230 | 0.60 | 0.47 | -0.78 | 0.68 | 2.88E-06 | HLA-DQB1(dist=10165), HLA-DQA2(dist=64532) | intergenic |
| 6 | 32647404 | C | T | rs28755374 | 3.36E-03 | 0.211 | 0.261 | 0.76 | 0.62 | -0.92 | 4.50E-05 | 0.154 | 0.231 | 0.60 | 0.47 | -0.78 | 0.68 | 2.89E-06 | HLA-DQB1(dist=12938), HLA-DQA2(dist=61759) | intergenic |
| 6 | 32641165 | C | T | rs9274893 | 8.34E-03 | 0.143 | 0.182 | 0.75 | 0.6 | -0.94 | 1.75E-05 | 0.128 | 0.206 | 0.57 | 0.43 | -0.75 | 0.65 | 2.90E-06 | HLA-DQB1(dist=6699), HLA-DQA2(dist=67998) | intergenic |
| 6 | 32489008 | C | T | rs115260061 | 5.61E-05 | 0.307 | 0.247 | 0.74 | 0.62 | -0.89 | 4.54E-03 | 0.211 | 0.163 | 0.73 | 0.58 | -0.91 | 0.64 | 2.90E-06 | HLA-DRB5 | intronic |
| 6 | 32644577 | A | G | rs28755242;rs201933833 | 4.57E-03 | 0.230 | 0.258 | 0.76 | 0.63 | -0.93 | 2.76E-05 | 0.152 | 0.231 | 0.60 | 0.46 | -0.77 | 0.68 | 2.92E-06 | HLA-DQB1(dist=10111), HLA-DQA2(dist=64586) | intergenic |
| 6 | 32643184 | C | T | rs9275020 | 4.19E-03 | 0.214 | 0.263 | 0.77 | 0.63 | -0.93 | 3.67E-05 | 0.165 | 0.243 | 0.62 | 0.48 | -0.79 | 0.68 | 2.93E-06 | HLA-DQB1(dist=8718), HLA-DQA2(dist=65979) | intergenic |
| 6 | 32644226 | T | C | rs28755219 | 3.75E-03 | 0.220 | 0.269 | 0.77 | 0.63 | -0.93 | 4.24E-05 | 0.173 | 0.252 | 0.62 | 0.49 | -0.8 | 0.68 | 2.93E-06 | HLA-DQB1(dist=9760), HLA-DQA2(dist=64937) | intergenic |
| 6 | 32543192 | G | A | rs34798875 | 5.90E-05 | 0.088 | 0.134 | 0.62 | 0.47 | -0.82 | 4.32E-03 | 0.111 | 0.159 | 0.66 | 0.49 | -0.89 | 0.60 | 2.97E-06 | HLA-DRB6(dist=15413), HLA-DRB1(dist=33355) | intergenic |
| 6 | 32564898 | A | G | rs28366346 | 6.03E-05 | 0.191 | 0.259 | 0.68 | 0.55 | -0.83 | 4.85E-03 | 0.179 | 0.236 | 0.71 | 0.55 | -0.9 | 0.68 | 2.97E-06 | HLA-DRB1(dist=7285), HLA-DQA1(dist=40285) | intergenic |
| 6 | 32541292 | C | G | rs9269397 | 4.84E-05 | 0.286 | 0.225 | 0.72 | 0.6 | -0.87 | 5.27E-03 | 0.224 | 0.175 | 0.73 | 0.59 | -0.92 | 0.65 | 2.98E-06 | HLA-DRB6(dist=13513), HLA-DRB1(dist=5255) | intergenic |
| 6 | 32536370 | C | G | rs34714667 | 5.11E-05 | 0.246 | 0.191 | 0.72 | 0.59 | -0.87 | 4.88E-03 | 0.201 | 0.155 | 0.73 | 0.58 | -0.92 | 0.63 | 2.99E-06 | HLA-DRB6(dist=8591), HLA-DRB1(dist=10177) | intergenic |
| 6 | 32456326 | T | A | rs75185583 | 2.21E-05 | 0.408 | 0.478 | 0.75 | 0.64 | -0.89 | 9.60E-03 | 0.514 | 0.459 | 0.80 | 0.67 | -0.97 | 0.69 | 2.99E-06 | HLA-DRA(dist=43500), HLA-DRB5(dist=28828) | intergenic |
| 6 | 32644276 | T | A | rs28755223 | 3.18E-03 | 0.203 | 0.252 | 0.75 | 0.62 | -0.92 | 5.31E-05 | 0.150 | 0.226 | 0.61 | 0.47 | -0.79 | 0.68 | 3.00E-06 | HLA-DQB1(dist=9810), HLA-DQA2(dist=64887) | intergenic |
| 6 | 32647476 | T | G | rs28371215 | 4.35E-03 | 0.210 | 0.259 | 0.76 | 0.63 | -0.93 | 3.16E-05 | 0.153 | 0.232 | 0.60 | 0.46 | -0.78 | 0.68 | 3.00E-06 | HLA-DQB1(dist=13010), HLA-DQA2(dist=61687) | intergenic |
| 6 | 32507759 | A | G | rs67322126 | 1.13E-06 | 0.267 | 0.201 | 0.69 | 0.57 | -0.83 | 4.73E-02 | 0.218 | 0.186 | 0.82 | 0.65 | -1.03 | 0.64 | 3.01E-06 | HLA-DRB5(dist=9753), HLA-DRB6(dist=12731) | intergenic |
| 6 | 32630083 | C | T | rs9274055 | 3.43E-06 | 0.121 | 0.188 | 0.59 | 0.47 | -0.76 | 2.79E-02 | 0.157 | 0.199 | 0.75 | 0.58 | -0.96 | 0.65 | 3.01E-06 | HLA-DQB1 | intronic |
| 6 | 32459686 | C | T | rs71545426 | 5.07E-05 | 0.286 | 0.228 | 0.74 | 0.61 | -0.89 | 4.91E-03 | 0.221 | 0.171 | 0.73 | 0.58 | -0.91 | 0.65 | 3.01E-06 | HLA-DRA(dist=46860), HLA-DRB5(dist=25468) | intergenic |
| 6 | 32628103 | C | T | rs9273480 | 5.02E-06 | 0.136 | 0.210 | 0.59 | 0.47 | -0.75 | 2.63E-02 | 0.158 | 0.202 | 0.74 | 0.57 | -0.95 | 0.68 | 3.01E-06 | HLA-DQB1 | intronic |
| 6 | 32565164 | A | G | rs28366358 | 5.95E-05 | 0.188 | 0.254 | 0.68 | 0.55 | -0.83 | 4.81E-03 | 0.184 | 0.242 | 0.71 | 0.56 | -0.9 | 0.68 | 3.01E-06 | HLA-DRB1(dist=7551), HLA-DQA1(dist=40019) | intergenic |
| 6 | 32630996 | C | T | rs17613599 | 1.27E-05 | 0.118 | 0.181 | 0.61 | 0.48 | -0.78 | 1.49E-02 | 0.129 | 0.170 | 0.72 | 0.55 | -0.95 | 0.64 | 3.01E-06 | HLA-DQB1 | intronic |
| 6 | 32647215 | G | A | rs28755367 | 2.74E-03 | 0.213 | 0.263 | 0.75 | 0.62 | -0.92 | 6.45E-05 | 0.166 | 0.242 | 0.62 | 0.48 | -0.8 | 0.68 | 3.02E-06 | HLA-DQB1(dist=12749), HLA-DQA2(dist=61948) | intergenic |
| 12 | 71670298 | A | G | rs111586196 | 1.03E-02 | 0.047 | 0.032 | 1.51 | 1.01 | -2.25 | 2.91E-05 | 0.061 | 0.029 | 2.20 | 1.47 | -3.3 | 2.64 | 3.03E-06 | TSPAN8(dist=118519), LGR5(dist=163252) | intergenic |
| 6 | 32630856 | C | T | NA | 9.99E-06 | 0.109 | 0.171 | 0.59 | 0.46 | -0.77 | 1.81E-02 | 0.121 | 0.159 | 0.73 | 0.55 | -0.97 | 0.63 | 3.05E-06 | HLA-DQA1(dist=3992), HLA-DQB1(dist=11820) | intergenic |
| 6 | 32488914 | A | G | rs73726170 | 6.35E-05 | 0.277 | 0.222 | 0.74 | 0.62 | -0.89 | 4.05E-03 | 0.206 | 0.157 | 0.72 | 0.57 | -0.91 | 0.64 | 3.07E-06 | HLA-DRB5 | intronic |
| 6 | 32627784 | C | T | rs78372297 | 6.26E-06 | 0.135 | 0.209 | 0.59 | 0.47 | -0.75 | 2.41E-02 | 0.155 | 0.200 | 0.74 | 0.57 | -0.95 | 0.67 | 3.08E-06 | HLA-DQB1 | UTR3 |
| 6 | 32479571 | G | A | rs114836855 | 5.37E-05 | 0.065 | 0.101 | 0.62 | 0.45 | -0.85 | 3.52E-03 | 0.092 | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 6 | 32629289 | C | A | rs9273698 | 6.24E-06 | 0.120 | 0.188 | 0.59 | 0.46 | -0.75 | 2.36E-02 | 0.144 | 0.187 | 0.73 | 0.56 | -0.96 | 0.66 | 3.19E-06 | HLA-DQB1 | intronic |
| 6 | 32569230 | G | A | rs9270790 | 5.81E-05 | 0.394 | 0.331 | 0.76 | 0.64 | -0.9 | 4.58E-03 | 0.305 | 0.252 | 0.76 | 0.62 | -0.94 | 0.67 | 3.19E-06 | HLA-DRB1(dist=11617), HLA-DQA1(dist=35953) | intergenic |
| 6 | 32629271 | C | T | rs9273687 | 6.60E-06 | 0.118 | 0.186 | 0.59 | 0.46 | -0.75 | 2.31E-02 | 0.143 | 0.185 | 0.73 | 0.56 | -0.96 | 0.66 | 3.20E-06 | HLA-DQB1 | intronic |
| 6 | 32565176 | G | C | rs28366360 | 6.07E-05 | 0.186 | 0.253 | 0.68 | 0.55 | -0.83 | 5.04E-03 | 0.184 | 0.242 | 0.71 | 0.56 | -0.9 | 0.68 | 3.21E-06 | HLA-DRB1(dist=7563), HLA-DQA1(dist=40007) | intergenic |
| 6 | 32632274 | C | A | rs9274333 | 4.23E-06 | 0.073 | 0.125 | 0.55 | 0.4 | -0.74 | 2.36E-02 | 0.107 | 0.140 | 0.74 | 0.55 | -1 | 0.59 | 3.23E-06 | HLA-DQB1 | intronic |
| 6 | 32646940 | G | T | rs28755346 | 3.06E-03 | 0.205 | 0.254 | 0.76 | 0.62 | -0.93 | 6.48E-05 | 0.165 | 0.241 | 0.62 | 0.49 | -0.8 | 0.68 | 3.25E-06 | HLA-DQB1(dist=12474), HLA-DQA2(dist=62223) | intergenic |
| 13 | 48060638 | G | C | rs74073868 | 1.39E-06 | 0.048 | 0.113 | 0.40 | 0.28 | -0.57 | 1.44E-01 | 0.079 | 0.091 | 0.86 | 0.61 | -1.21 | 0.59 | 3.28E-06 | HTR2A(dist=589427), LINC00562(dist=443650) | intergenic |
| 6 | 32652278 | T | C | rs3104361 | 5.12E-05 | 0.408 | 0.488 | 0.72 | 0.61 | -0.85 | 5.42E-03 | 0.404 | 0.474 | 0.75 | 0.62 | -0.91 | 0.73 | 3.29E-06 | HLA-DQB1(dist=17812), HLA-DQA2(dist=56885) | intergenic |
| 6 | 32546622 | C | A | rs6920823 | 4.35E-03 | 0.126 | 0.161 | 0.75 | 0.59 | -0.96 | 6.27E-05 | 0.135 | 0.206 | 0.60 | 0.46 | -0.79 | 0.63 | 3.31E-06 | HLA-DRB1 | UTR3 |
| 6 | 32631348 | G | A | rs281874903 | 4.94E-06 | 0.102 | 0.162 | 0.59 | 0.45 | -0.76 | 2.70E-02 | 0.122 | 0.158 | 0.74 | 0.56 | -0.99 | 0.62 | 3.31E-06 | HLA-DQB1 | intronic |
| 6 | 32631343 | T | C | NA | 4.96E-06 | 0.102 | 0.162 | 0.59 | 0.45 | -0.76 | 2.70E-02 | 0.122 | 0.158 | 0.74 | 0.56 | -0.99 | 0.62 | 3.32E-06 | HLA-DQA1(dist=3992), HLA-DQB1(dist=11820) | intergenic |
| 6 | 32646970 | G | A | rs28755348 | 3.32E-03 | 0.205 | 0.253 | 0.76 | 0.62 | -0.93 | 5.90E-05 | 0.165 | 0.241 | 0.62 | 0.48 | -0.8 | 0.68 | 3.32E-06 | HLA-DQB1(dist=12504), HLA-DQA2(dist=62193) | intergenic |
| 6 | 32456353 | T | G | rs74813816 | 3.09E-05 | 0.385 | 0.451 | 0.76 | 0.64 | -0.9 | 8.08E-03 | 0.538 | 0.483 | 0.80 | 0.66 | -0.97 | 0.68 | 3.34E-06 | HLA-DRA(dist=43527), HLA-DRB5(dist=28801) | intergenic |
| 6 | 32480517 | G | C | rs78709333 | 3.47E-06 | 0.407 | 0.484 | 0.73 | 0.62 | -0.86 | 3.93E-02 | 0.502 | 0.459 | 0.84 | 0.7 | -1.01 | 0.69 | 3.43E-06 | HLA-DRA(dist=67691), HLA-DRB5(dist=4637) | intergenic |
| 6 | 32646193 | C | T | rs28755304 | 7.58E-03 | 0.188 | 0.231 | 0.77 | 0.63 | -0.95 | 1.77E-05 | 0.154 | 0.235 | 0.59 | 0.46 | -0.77 | 0.67 | 3.44E-06 | HLA-DQB1(dist=11727), HLA-DQA2(dist=62970) | intergenic |
| 6 | 32647027 | G | T | rs28755352 | 3.31E-03 | 0.204 | 0.253 | 0.76 | 0.62 | -0.93 | 6.24E-05 | 0.161 | 0.237 | 0.62 | 0.48 | -0.8 | 0.68 | 3.44E-06 | HLA-DQB1(dist=12561), HLA-DQA2(dist=62136) | intergenic |
| 13 | 57784474 | G | A | rs138573458 | 2.41E-01 | 0.025 | 0.033 | 0.75 | 0.45 | -1.25 | 2.20E-06 | 0.084 | 0.046 | 1.92 | 1.36 | -2.71 | 4.06 | 3.45E-06 | PRR20C(dist=40122), PCDH17(dist=421315) | intergenic |
| 6 | 32628812 | C | T | rs9273542 | 6.24E-06 | 0.124 | 0.193 | 0.59 | 0.47 | -0.75 | 2.36E-02 | 0.155 | 0.200 | 0.74 | 0.57 | -0.95 | 0.67 | 3.47E-06 | HLA-DQB1 | intronic |
| 6 | 32644594 | G | A | rs28755243 | 4.39E-03 | 0.210 | 0.258 | 0.76 | 0.62 | -0.93 | 3.82E-05 | 0.152 | 0.229 | 0.60 | 0.46 | -0.78 | 0.68 | 3.53E-06 | HLA-DQB1(dist=10128), HLA-DQA2(dist=64569) | intergenic |
| 12 | 32460463 | T | C | rs116368151 | 7.84E-03 | 0.049 | 0.031 | 1.58 | 1.06 | -2.35 | 3.10E-05 | 0.059 | 0.028 | 2.18 | 1.44 | -3.28 | 2.47 | 3.53E-06 | BICD1 | intronic |
| 6 | 32488845 | A | T | rs191239464 | 1.35E-06 | 0.356 | 0.285 | 0.72 | 0.61 | -0.86 | 5.73E-02 | 0.259 | 0.227 | 0.84 | 0.68 | -1.04 | 0.65 | 3.56E-06 | HLA-DRB5 | intronic |
| 6 | 32459704 | T | C | rs71545427 | 5.87E-05 | 0.284 | 0.227 | 0.74 | 0.62 | -0.89 | 5.24E-03 | 0.217 | 0.169 | 0.73 | 0.58 | -0.92 | 0.65 | 3.59E-06 | HLA-DRA(dist=46878), HLA-DRB5(dist=25450) | intergenic |
| 6 | 32524009 | A | T | rs189057230 | 5.90E-06 | 0.217 | 0.281 | 0.71 | 0.58 | -0.86 | 3.06E-02 | 0.270 | 0.311 | 0.82 | 0.66 | -1.01 | 0.65 | 3.60E-06 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32643844 | C | T | rs114557541 | 4.92E-03 | 0.210 | 0.257 | 0.77 | 0.63 | -0.94 | 4.04E-05 | 0.164 | 0.241 | 0.62 | 0.48 | -0.79 | 0.68 | 3.61E-06 | HLA-DQB1(dist=9378), HLA-DQA2(dist=65319) | intergenic |
| 6 | 32593627 | G | A | rs9271732 | 1.55E-05 | 0.494 | 0.412 | 0.72 | 0.61 | -0.85 | 1.51E-02 | 0.453 | 0.387 | 0.76 | 0.63 | -0.92 | 0.73 | 3.63E-06 | HLA-DRB1(dist=36014), HLA-DQA1(dist=11556) | intergenic |
| 6 | 32484502 | T | A | rs77948423 | 1.31E-06 | 0.195 | 0.266 | 0.67 | 0.55 | -0.82 | 7.17E-02 | 0.227 | 0.263 | 0.82 | 0.66 | -1.03 | 0.65 | 3.64E-06 | HLA-DRB5 | downstream |
| 6 | 32630928 | C | A | NA | 1.12E-05 | 0.175 | 0.177 | 0.60 | 0.47 | -0.77 | 1.98E-02 | 0.123 | 0.161 | 0.73 | 0.55 | -0.97 | 0.64 | 3.64E-06 | HLA-DQA1(dist=3992), HLA-DQB1(dist=11820) | intergenic |
| 6 | 32524117 | C | A | rs116423341 | 1.08E-05 | 0.170 | 0.231 | 0.68 | 0.55 | -0.84 | 2.06E-02 | 0.191 | 0.231 | 0.79 | 0.62 | -1 | 0.64 | 3.64E-06 | HLA-DRB6 | ncRNA_intronic |
| 6 | 32647491 | T | C | rs28371216 | 5.22E-03 | 0.210 | 0.258 | 0.77 | 0.63 | -0.94 | 3.20E-05 | 0.153 | 0.232 | 0.60 | 0.46 | -0.78 | 0.68 | 3.66E-06 | HLA-DQB1(dist=13025), HLA-DQA2(dist=61672) | intergenic |
| 6 | 32631418 | A | G | rs17613643 | 8.76E-06 | 0.119 | 0.183 | 0.60 | 0.47 | -0.77 | 2.38E-02 | 0.125 | 0.162 | 0.74 | 0.56 | -0.98 | 0.64 | 3.67E-06 | HLA-DQB1 | intronic |
| 9 | 117811778 | C | T | rs114032850 | 4.04E-05 | 0.078 | 0.042 | 1.91 | 1.38 | -2.64 | 1.78E-02 | 0.065 | 0.041 | 1.61 | 1.1 | -2.38 | 2.06 | 3.68E-06 | TNC | intronic |
| 6 | 32646978 | A | C | rs28755349 | 3.58E-03 | 0.206 | 0.254 | 0.76 | 0.63 | -0.93 | 6.11E-05 | 0.166 | 0.242 | 0.62 | 0.49 | -0.8 | 0.68 | 3.70E-06 | HLA-DQB1(dist=12512), HLA-DQA2(dist=62185) | intergenic |
| 6 | 32645660 | T | A | rs28755280 | 4.68E-03 | 0.206 | 0.252 | 0.77 | 0.63 | -0.94 | 4.05E-05 | 0.157 | 0.236 | 0.60 | 0.47 | -0.78 | 0.68 | 3.70E-06 | HLA-DQB1(dist=11194), HLA-DQA2(dist=63503) | intergenic |
| 6 | 32438783 | C | G | rs9269047 | 3.41E-05 | 0.197 | 0.137 | 0.65 | 0.52 | -0.8 | 8.63E-03 | 0.178 | 0.135 | 0.72 | 0.56 | -0.92 | 0.64 | 3.72E-06 | HLA-DRA(dist=25957), HLA-DRB5(dist=46371) | intergenic |
| 6 | 32644463 | T | C | rs28755239 | 4.36E-03 | 0.210 | 0.259 | 0.76 | 0.62 | -0.93 | 4.21E-05 | 0.153 | 0.230 | 0.60 | 0.47 | -0.78 | 0.68 | 3.74E-06 | HLA-DQB1(dist=9997), HLA-DQA2(dist=64700) | intergenic |
| 12 | 71672492 | T | C | rs78415841 | 1.02E-02 | 0.047 | 0.032 | 1.52 | 1.02 | -2.26 | 3.93E-05 | 0.060 | 0.028 | 2.20 | 1.46 | -3.3 | 2.60 | 3.76E-06 | TSPAN8(dist=120713), LGR5(dist=161058) | intergenic |
| 6 | 32460170 | C | T | rs113079522 | 6.28E-05 | 0.193 | 0.254 | 0.70 | 0.58 | -0.86 | 5.65E-03 | 0.239 | 0.296 | 0.74 | 0.6 | -0.93 | 0.67 | 3.80E-06 | HLA-DRA(dist=47344), HLA-DRB5(dist=24984) | intergenic |
| 6 | 32469700 | A | G | rs74811955 | 4.56E-05 | 0.363 | 0.435 | 0.74 | 0.63 | -0.88 | 7.28E-03 | 0.396 | 0.455 | 0.78 | 0.65 | -0.95 | 0.70 | 3.80E-06 | HLA-DRA(dist=56874), HLA-DRB5(dist=15454) | intergenic |
| 6 | 32630201 | T | C | rs9274114 | 2.30E-06 | 0.097 | 0.160 | 0.56 | 0.43 | -0.74 | 3.90E-02 | 0.136 | 0.174 | 0.75 | 0.57 | -0.98 | 0.64 | 3.82E-06 | HLA-DQB1 | intronic |
| 6 | 32613573 | T | C | rs9273206 | 4.15E-05 | 0.271 | 0.210 | 0.71 | 0.59 | -0.86 | 6.50E-03 | 0.278 | 0.221 | 0.73 | 0.6 | -0.91 | 0.67 | 3.82E-06 | HLA-DQA1(dist=2144), HLA-DQB1(dist=13668) | intergenic |
| 6 | 32541061 | A | C | rs111608233 | 2.31E-05 | 0.092 | 0.140 | 0.63 | 0.48 | -0.82 | 1.10E-02 | 0.106 | 0.147 | 0.69 | 0.51 | -0.93 | 0.59 | 3.83E-06 | HLA-DRB6(dist=13282), HLA-DRB1(dist=5486) | intergenic |
| 3 | 101641101 | A | T | rs141365838 | 4.72E-02 | 0.111 | 0.082 | 1.39 | 1.06 | -1.81 | 2.55E-06 | 0.166 | 0.106 | 1.68 | 1.3 | -2.17 | 1.67 | 3.90E-06 | NFKBIZ(dist=61232), LOC152225(dist=18602) | intergenic |
| 6 | 32480270 | C | T | rs111565221 | 1.26E-05 | 0.427 | 0.496 | 0.76 | 0.64 | -0.89 | 1.77E-02 | 0.436 | 0.486 | 0.82 | 0.68 | -0.99 | 0.69 | 3.92E-06 | HLA-DRA(dist=67444), HLA-DRB5(dist=4884) | intergenic |
| 6 | 32469505 | G | A | rs80281605 | 4.58E-06 | 0.295 | 0.368 | 0.72 | 0.6 | -0.86 | 3.45E-02 | 0.331 | 0.381 | 0.80 | 0.66 | -0.98 | 0.70 | 3.97E-06 | HLA-DRA(dist=56679), HLA-DRB5(dist=15649) | intergenic |
| 6 | 32647510 | T | A | rs28371219 | 4.74E-03 | 0.209 | 0.257 | 0.76 | 0.63 | -0.93 | 4.36E-05 | 0.155 | 0.232 | 0.61 | 0.47 | -0.78 | 0.68 | 4.01E-06 | HLA-DQB1(dist=13044), HLA-DQA2(dist=61653) | intergenic |
| 6 | 32647508 | T | C | rs28371218 | 4.74E-03 | 0.209 | 0.257 | 0.76 | 0.63 | -0.93 | 4.37E-05 | 0.155 | 0.232 | 0.61 | 0.47 | -0.78 | 0.68 | 4.01E-06 | HLA-DQB1(dist=13042), HLA-DQA2(dist=61655) | intergenic |
| 6 | 32630922 | T | A | rs17843722 | 1.17E-05 | 0.115 | 0.177 | 0.61 | 0.47 | -0.78 | 2.10E-02 | 0.124 | 0.162 | 0.73 | 0.55 | -0.97 | 0.64 | 4.02E-06 | HLA-DQB1 | intronic |
| 6 | 32492238 | C | T | rs78098131 | 6.34E-05 | 0.094 | 0.141 | 0.63 | 0.48 | -0.83 | 5.44E-03 | 0.105 | 0.150 | 0.66 | 0.49 | -0.9 | 0.60 | 4.03E-06 | HLA-DRB5 | intronic |
| 6 | 32576962 | T | C | rs9271132;rs202070262 | 4.35E-03 | 0.394 | 0.345 | 0.81 | 0.68 | -0.95 | 5.37E-05 | 0.381 | 0.300 | 0.70 | 0.57 | -0.85 | 0.70 | 4.04E-06 | HLA-DRB1(dist=19349), HLA-DQA1(dist=28221) | intergenic |
| 6 | 32643755 | C | T | rs113898828 | 4.22E-03 | 0.222 | 0.271 | 0.77 | 0.63 | -0.93 | 5.39E-05 | 0.170 | 0.247 | 0.63 | 0.49 | -0.8 | 0.69 | 4.05E-06 | HLA-DQB1(dist=9289), HLA-DQA2(dist=65408) | intergenic |
| 13 | 107386148 | G | A | rs112119990 | 3.40E-06 | 0.042 | 0.025 | 1.69 | 1.1 | -2.61 | 4.35E-01 | 0.020 | 0.022 | 0.89 | 0.46 | -1.73 | 7.14 | 4.05E-06 | LINC00443(dist=61620), FAM155A(dist=434731) | intergenic |
| 6 | 32643987 | A | G | rs28755205 | 4.28E-03 | 0.223 | 0.271 | 0.77 | 0.63 | -0.93 | 5.25E-05 | 0.173 | 0.251 | 0.63 | 0.49 | -0.8 | 0.69 | 4.06E-06 | HLA-DQB1(dist=9521), HLA-DQA2(dist=65176) | intergenic |
| 4 | 12398686 | A | G | rs112029027 | 5.38E-06 | 0.090 | 0.052 | 1.82 | 1.34 | -2.45 | 7.77E-02 | 0.067 | 0.048 | 1.43 | 0.98 | -2.08 | 1.97 | 4.06E-06 | SPATA5 | intronic |
| 6 | 32558627 | G | T | rs9270425 | 7.99E-03 | 0.382 | 0.335 | 0.81 | 0.69 | -0.96 | 2.02E-05 | 0.368 | 0.283 | 0.68 | 0.56 | -0.82 | 0.69 | 4.09E-06 | HLA-DRB1(dist=1014), HLA-DQA1(dist=46556) | intergenic |
| 3 | 101642803 | G | T | rs116366643 | 4.72E-02 | 0.111 | 0.082 | 1.39 | 1.06 | -1.81 | 2.74E-06 | 0.166 | 0.106 | 1.68 | 1.3 | -2.17 | 1.67 | 4.10E-06 | NFKBIZ(dist=62934), LOC152225(dist=16900) | intergenic |
| 6 | 32631205 | G | A | rs9274234 | 9.34E-06 | 0.119 | 0.184 | 0.60 | 0.47 | -0.77 | 2.24E-02 | 0.141 | 0.184 | 0.73 | 0.56 | -0.95 | 0.66 | 4.14E-06 | HLA-DQB1 | intronic |
| 6 | 32644 | | | | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|------------------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|------------|
| 6 | 32453191 | T | C | rs527369852 | 4.88E-06 | 0.357 | 0.431 | 0.73 | 0.62 | -0.87 | 3.23E-02 | 0.362 | 0.415 | 0.80 | 0.66 | -0.97 | 0.70 | 4.25E-06 | HLA-DRA(dist=40365), HLA-DRB5(dist=31963) | intergenic |
| 6 | 32573027 | T | A | rs9270950 | 4.64E-03 | 0.313 | 0.261 | 0.78 | 0.65 | -0.93 | 4.80E-05 | 0.333 | 0.251 | 0.67 | 0.55 | -0.82 | 0.70 | 4.29E-06 | HLA-DRB1(dist=15414), HLA-DQA1(dist=32156) | intergenic |
| 6 | 32645109 | C | A | rs28755263 | 8.72E-03 | 0.205 | 0.249 | 0.78 | 0.64 | -0.95 | 1.94E-05 | 0.161 | 0.242 | 0.60 | 0.47 | -0.77 | 0.68 | 4.34E-06 | HLA-DQB1(dist=10643), HLA-DQA2(dist=64054) | intergenic |
| 13 | 48069603 | C | T | rs59746857 | 2.54E-06 | 0.060 | 0.124 | 0.45 | 0.32 | -0.62 | 1.28E-01 | 0.091 | 0.103 | 0.87 | 0.63 | -1.2 | 0.60 | 4.35E-06 | HTR2A(dist=598392), LINC00562(dist=434685) | intergenic |
| 6 | 32641078 | T | C | rs9274884 | 1.10E-02 | 0.138 | 0.176 | 0.75 | 0.6 | -0.95 | 1.96E-05 | 0.125 | 0.202 | 0.57 | 0.43 | -0.75 | 0.65 | 4.35E-06 | HLA-DQB1(dist=6612), HLA-DQA2(dist=68085) | intergenic |
| 12 | 71683942 | G | A | rs80004137 | 1.09E-02 | 0.047 | 0.032 | 1.51 | 1.01 | -2.25 | 4.32E-05 | 0.060 | 0.028 | 2.20 | 1.46 | -3.3 | 2.58 | 4.36E-06 | TSPAN8(dist=132163), LGR5(dist=149608) | intergenic |
| 6 | 32470069 | A | T | rs80186386 | 1.27E-05 | 0.261 | 0.329 | 0.72 | 0.6 | -0.86 | 2.19E-02 | 0.294 | 0.344 | 0.79 | 0.65 | -0.97 | 0.69 | 4.38E-06 | HLA-DRA(dist=57243), HLA-DRB5(dist=15085) | intergenic |
| 4 | 125802654 | A | G | rs6831498 | 6.30E-05 | 0.336 | 0.422 | 1.45 | 1.22 | -1.72 | 1.75E-02 | 0.368 | 0.414 | 1.21 | 1 | -1.47 | 1.36 | 4.39E-06 | ANKRD50(dist=168767), FAT4(dist=434913) | intergenic |
| 4 | 96533133 | T | G | rs78365928 | 1.88E-05 | 0.268 | 0.204 | 1.42 | 1.18 | -1.72 | 4.24E-02 | 0.242 | 0.199 | 1.29 | 1.03 | -1.6 | 1.44 | 4.41E-06 | UNC5C(dist=62772), PDHA2(dist=228106) | intergenic |
| 1 | 6527333 | A | G | rs14708 | 2.00E-02 | 0.499 | 0.444 | 0.80 | 0.68 | -0.94 | 2.16E-05 | 0.528 | 0.451 | 0.73 | 0.61 | -0.88 | 0.72 | 4.44E-06 | PLEKHG5 | UTR3 |
| 6 | 32480470 | T | C | rs76441164 | 4.44E-06 | 0.233 | 0.303 | 0.70 | 0.58 | -0.85 | 3.84E-02 | 0.281 | 0.327 | 0.80 | 0.65 | -0.99 | 0.68 | 4.50E-06 | HLA-DRA(dist=67644), HLA-DRB5(dist=4684) | intergenic |
| 19 | 6414451 | G | A | rs1051784 | 4.20E-06 | 0.433 | 0.355 | 0.72 | 0.61 | -0.85 | 9.91E-01 | 0.420 | 0.429 | 1.04 | 0.86 | -1.26 | 0.58 | 4.54E-06 | KHSRP | intronic |
| 7 | 97502509 | G | A | rs74468320 | 2.31E-02 | 0.054 | 0.038 | 1.43 | 0.99 | -2.08 | 7.67E-06 | 0.076 | 0.037 | 2.14 | 1.49 | -3.08 | 2.34 | 4.55E-06 | ASNS | upstream |
| 6 | 32460750 | C | T | rs796380179 | 7.45E-06 | 0.293 | 0.362 | 0.73 | 0.61 | -0.88 | 2.88E-02 | 0.369 | 0.418 | 0.81 | 0.67 | -0.99 | 0.68 | 4.57E-06 | HLA-DRA(dist=47924), HLA-DRB5(dist=24404) | intergenic |
| 11 | 17318307 | G | A | rs60838059 | 1.93E-01 | 0.033 | 0.023 | 1.43 | 0.89 | -2.3 | 1.94E-08 | 0.077 | 0.043 | 1.87 | 1.3 | -2.67 | 2.79 | 4.58E-06 | NUCB2 | intronic |
| 6 | 32644159 | T | C | rs28755217 | 4.38E-03 | 0.215 | 0.263 | 0.77 | 0.63 | -0.93 | 6.15E-05 | 0.167 | 0.242 | 0.63 | 0.49 | -0.8 | 0.68 | 4.60E-06 | HLA-DQB1(dist=9693), HLA-DQA2(dist=65004) | intergenic |
| 6 | 32641180 | T | C | rs9274894 | 1.23E-02 | 0.149 | 0.187 | 0.76 | 0.61 | -0.95 | 1.68E-05 | 0.130 | 0.207 | 0.57 | 0.43 | -0.75 | 0.66 | 4.62E-06 | HLA-DQB1(dist=6714), HLA-DQA2(dist=67983) | intergenic |
| 6 | 32641081 | C | T | rs9274885 | 1.25E-02 | 0.138 | 0.175 | 0.76 | 0.6 | -0.95 | 1.74E-05 | 0.125 | 0.202 | 0.56 | 0.43 | -0.75 | 0.65 | 4.64E-06 | HLA-DQB1(dist=6615), HLA-DQA2(dist=68082) | intergenic |
| 6 | 32488953 | G | C | rs112916088 | 2.24E-05 | 0.313 | 0.250 | 0.73 | 0.61 | -0.88 | 1.39E-02 | 0.219 | 0.175 | 0.76 | 0.6 | -0.95 | 0.66 | 4.65E-06 | HLA-DRB5 | intronic |
| 6 | 32455089 | G | T | rs151209291 | 1.42E-05 | 0.308 | 0.244 | 0.73 | 0.61 | -0.87 | 1.94E-02 | 0.248 | 0.208 | 0.80 | 0.64 | -0.99 | 0.65 | 4.67E-06 | HLA-DRA(dist=42263), HLA-DRB5(dist=30065) | intergenic |
| 6 | 32647388 | G | A | rs28755373 | 6.86E-03 | 0.227 | 0.273 | 0.78 | 0.64 | -0.95 | 3.30E-05 | 0.192 | 0.272 | 0.63 | 0.5 | -0.8 | 0.69 | 4.72E-06 | HLA-DQB1(dist=12922), HLA-DQA2(dist=61775) | intergenic |
| 6 | 32647495 | G | A | rs28371217 | 5.52E-03 | 0.207 | 0.254 | 0.77 | 0.63 | -0.94 | 4.26E-05 | 0.150 | 0.227 | 0.60 | 0.46 | -0.78 | 0.68 | 4.75E-06 | HLA-DQB1(dist=13029), HLA-DQA2(dist=61668) | intergenic |
| 6 | 32631086 | G | A | NA | 1.02E-05 | 0.111 | 0.173 | 0.59 | 0.46 | -0.76 | 2.53E-02 | 0.127 | 0.165 | 0.74 | 0.56 | -0.98 | 0.65 | 4.75E-06 | HLA-DQA1(dist=3992), HLA-DQB1(dist=11820) | intergenic |
| 6 | 32416366 | A | G | rs3135385 | 3.54E-05 | 0.463 | 0.382 | 0.72 | 0.61 | -0.84 | 1.11E-02 | 0.441 | 0.374 | 0.76 | 0.63 | -0.92 | 0.74 | 4.75E-06 | HLA-DRA(dist=3540), HLA-DRB5(dist=68788) | intergenic |
| 6 | 32492734 | A | G | rs115019366 | 5.38E-05 | 0.324 | 0.261 | 0.74 | 0.62 | -0.88 | 7.61E-03 | 0.240 | 0.193 | 0.76 | 0.61 | -0.94 | 0.66 | 4.76E-06 | HLA-DRB5 | intronic |
| 6 | 32634467 | C | T | rs3891175 | 1.27E-05 | 0.130 | 0.197 | 0.61 | 0.48 | -0.77 | 2.08E-02 | 0.149 | 0.194 | 0.73 | 0.56 | -0.95 | 0.67 | 4.79E-06 | HLA-DQB1 | upstream |
| 3 | 28984094 | C | A | rs111574474 | 3.80E-03 | 0.066 | 0.047 | 1.42 | 1.01 | -1.99 | 3.57E-05 | 0.057 | 0.033 | 1.75 | 1.16 | -2.65 | 2.62 | 4.80E-06 | LINC00693(dist=184266), RBMS3-AS3(dist=321591) | intergenic |
| 13 | 48124767 | A | T | rs28500707 | 3.38E-06 | 0.059 | 0.122 | 0.45 | 0.33 | -0.63 | 1.16E-01 | 0.080 | 0.093 | 0.85 | 0.6 | -1.2 | 0.59 | 4.81E-06 | HTR2A(dist=653556), LINC00562(dist=379521) | intergenic |
| 6 | 32414420 | G | A | rs7382085 | 3.53E-05 | 0.463 | 0.382 | 0.72 | 0.61 | -0.84 | 1.13E-02 | 0.441 | 0.374 | 0.76 | 0.63 | -0.92 | 0.74 | 4.85E-06 | HLA-DRA(dist=1594), HLA-DRB5(dist=70734) | intergenic |
| 6 | 32488722 | A | C | rs150773158 | 2.19E-05 | 0.330 | 0.269 | 0.75 | 0.63 | -0.89 | 1.34E-02 | 0.249 | 0.205 | 0.78 | 0.63 | -0.97 | 0.65 | 4.85E-06 | HLA-DRB5 | intronic |
| 6 | 32644290 | C | T | rs28755225 | 5.03E-03 | 0.201 | 0.246 | 0.77 | 0.63 | -0.94 | 5.44E-05 | 0.149 | 0.225 | 0.61 | 0.47 | -0.79 | 0.68 | 4.86E-06 | HLA-DQB1(dist=9824), HLA-DQA2(dist=64873) | intergenic |
| 6 | 32433085 | A | T | rs9268927 | 3.22E-05 | 0.192 | 0.132 | 0.64 | 0.52 | -0.8 | 1.14E-02 | 0.176 | 0.134 | 0.73 | 0.57 | -0.93 | 0.64 | 4.87E-06 | HLA-DRA(dist=20259), HLA-DRB5(dist=52069) | intergenic |
| 9 | 117805074 | G | A | rs115542730 | 6.08E-05 | 0.077 | 0.042 | 1.90 | 1.37 | -2.64 | 1.67E-02 | 0.065 | 0.041 | 1.62 | 1.1 | -2.39 | 2.04 | 4.88E-06 | TNC | intronic |
| 6 | 32647099 | T | C | rs28755360 | 5.24E-03 | 0.212 | 0.258 | 0.77 | 0.64 | -0.94 | 5.17E-05 | 0.166 | 0.244 | 0.62 | 0.48 | -0.79 | 0.68 | 4.89E-06 | HLA-DQB1(dist=12633), HLA-DQA2(dist=62064) | intergenic |
| 6 | 32643704 | T | C | rs28755193 | 5.11E-03 | 0.228 | 0.277 | 0.77 | 0.64 | -0.93 | 5.02E-05 | 0.171 | 0.248 | 0.63 | 0.49 | -0.8 | 0.69 | 4.91E-06 | HLA-DQB1(dist=9238), HLA-DQA2(dist=65459) | intergenic |
| 6 | 32492623 | C | T | rs112865401 | 6.05E-05 | 0.305 | 0.243 | 0.73 | 0.61 | -0.88 | 7.20E-03 | 0.226 | 0.179 | 0.74 | 0.59 | -0.93 | 0.66 | 4.92E-06 | HLA-DRB5 | intronic |
| 6 | 32644285 | G | T | rs28755224 | 5.09E-03 | 0.201 | 0.246 | 0.77 | 0.63 | -0.94 | 5.44E-05 | 0.149 | 0.225 | 0.61 | 0.47 | -0.79 | 0.68 | 4.92E-06 | HLA-DQB1(dist=9819), HLA-DQA2(dist=64878) | intergenic |
| 6 | 32606244 | C | T | rs9272502;rs67321228 | 6.54E-03 | 0.358 | 0.409 | 0.81 | 0.68 | -0.95 | 3.87E-05 | 0.368 | 0.463 | 0.68 | 0.56 | -0.82 | 0.72 | 4.95E-06 | HLA-DQA1 | intronic |
| 6 | 32646252 | C | T | rs3129778 | 8.65E-03 | 0.185 | 0.228 | 0.77 | 0.63 | -0.95 | 2.52E-05 | 0.153 | 0.232 | 0.60 | 0.46 | -0.77 | 0.68 | 4.97E-06 | HLA-DQB1(dist=11786), HLA-DQA2(dist=62911) | intergenic |
| 6 | 32486970 | A | G | rs114324495 | 1.02E-06 | 0.389 | 0.467 | 0.73 | 0.62 | -0.86 | 8.61E-02 | 0.429 | 0.468 | 0.85 | 0.7 | -1.03 | 0.68 | 4.97E-06 | HLA-DRB5 | intronic |
| 7 | 97493376 | A | G | rs79201528 | 1.84E-02 | 0.053 | 0.036 | 1.50 | 1.03 | -2.18 | 1.25E-05 | 0.073 | 0.035 | 2.19 | 1.51 | -3.18 | 2.29 | 5.00E-06 | ASNS | intronic |
| 6 | 32518426 | T | C | rs112054325 | 1.19E-02 | 0.376 | 0.335 | 0.84 | 0.71 | -0.99 | 1.97E-05 | 0.390 | 0.304 | 0.68 | 0.56 | -0.83 | 0.68 | 5.01E-06 | HLA-DRB5(dist=20420), HLA-DRB6(dist=2064) | intergenic |
| 6 | 32644086 | G | C | rs28755211 | 6.00E-03 | 0.212 | 0.257 | 0.78 | 0.64 | -0.95 | 4.34E-05 | 0.162 | 0.237 | 0.62 | 0.49 | -0.8 | 0.68 | 5.03E-06 | HLA-DQB1(dist=9620), HLA-DQA2(dist=65077) | intergenic |
| 6 | 32644423 | C | T | rs28755235 | 5.93E-03 | 0.203 | 0.249 | 0.77 | 0.63 | -0.94 | 4.29E-05 | 0.146 | 0.223 | 0.60 | 0.46 | -0.78 | 0.68 | 5.05E-06 | HLA-DQB1(dist=9957), HLA-DQA2(dist=64740) | intergenic |
| 13 | 57782304 | G | T | rs187163842 | 1.46E-01 | 0.030 | 0.041 | 0.73 | 0.46 | -1.16 | 3.27E-06 | 0.089 | 0.050 | 1.86 | 1.33 | -2.61 | 3.78 | 5.05E-06 | PRR20C(dist=37952), PCDH17(dist=423485) | intergenic |
| 6 | 32622359 | A | G | rs17613465 | 3.52E-05 | 0.277 | 0.213 | 0.71 | 0.59 | -0.85 | 1.04E-02 | 0.252 | 0.201 | 0.75 | 0.6 | -0.93 | 0.67 | 5.05E-06 | HLA-DQA1(dist=10930), HLA-DQB1(dist=4882) | intergenic |
| 6 | 32635197 | T | C | rs4988888 | 7.21E-06 | 0.122 | 0.191 | 0.59 | 0.46 | -0.75 | 3.06E-02 | 0.145 | 0.187 | 0.74 | 0.57 | -0.96 | 0.67 | 5.12E-06 | HLA-DQB1 | upstream |
| 6 | 32630242 | T | C | rs9274134 | 3.97E-06 | 0.125 | 0.195 | 0.59 | 0.47 | -0.75 | 4.78E-02 | 0.143 | 0.180 | 0.76 | 0.58 | -0.99 | 0.66 | 5.14E-06 | HLA-DQB1 | intronic |
| 6 | 32630660 | T | C | rs17613542 | 8.70E-06 | 0.105 | 0.167 | 0.59 | 0.45 | -0.76 | 2.93E-02 | 0.123 | 0.158 | 0.75 | 0.56 | -0.99 | 0.64 | 5.16E-06 | HLA-DQB1 | intronic |
| 6 | 32646309 | T | C | rs28755311 | 5.74E-03 | 0.186 | 0.231 | 0.76 | 0.62 | -0.94 | 5.16E-05 | 0.162 | 0.239 | 0.62 | 0.48 | -0.79 | 0.68 | 5.16E-06 | HLA-DQB1(dist=11843), HLA-DQA2(dist=62854) | intergenic |
| 6 | 32566288 | G | A | rs386699430;rs386699431;rs28383174 | 5.91E-05 | 0.191 | 0.259 | 0.68 | 0.55 | -0.83 | 8.31E-03 | 0.193 | 0.249 | 0.72 | 0.57 | -0.91 | 0.70 | 5.16E-06 | HLA-DRB1(dist=8675), HLA-DQA1(dist=38895) | intergenic |
| 6 | 32566287 | G | C | rs28383173;rs386699430;rs386699431 | 5.91E-05 | 0.191 | 0.259 | 0.68 | 0.55 | -0.83 | 8.31E-03 | 0.193 | 0.249 | 0.72 | 0.57 | -0.91 | 0.70 | 5.17E-06 | HLA-DRB1(dist=8674), HLA-DQA1(dist=38896) | intergenic |
| 6 | 32631210 | A | C | rs9274236;rs281875021 | 1.21E-05 | 0.118 | 0.182 | 0.60 | 0.47 | -0.77 | 2.27E-02 | 0.141 | 0.184 | 0.73 | 0.56 | -0.96 | 0.66 | 5.19E-06 | HLA-DQB1 | intronic |
| 16 | 76411451 | A | C | rs16944320 | 6.00E-05 | 0.051 | 0.027 | 1.94 | 1.31 | -2.89 | 2.26E-02 | 0.042 | 0.028 | 1.53 | 0.95 | -2.45 | 2.76 | 5.19E-06 | CNTNAP4 | intronic |
| 6 | 32434978 | A | G | rs9268978 | 3.17E-05 | 0.192 | 0.132 | 0.64 | 0.52 | -0.8 | 1.21E-02 | 0.178 | 0.137 | 0.73 | 0.57 | -0.94 | 0.64 | 5.20E-06 | HLA-DRA(dist=22152), HLA-DRB5(dist=50176) | intergenic |
| 6 | 32646304 | C | T | rs28755310 | 5.67E-03 | 0.186 | 0.231 | 0.76 | 0.62 | -0.94 | 5.34E-05 | 0.162 | 0.239 | 0.62 | 0.48 | -0.79 | 0.68 | 5.21E-06 | HLA-DQB1(dist=11838), HLA-DQA2(dist=6 | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|-------|----------|---|------------|
| 6 | 32455217 | G | A | rs111661846 | 1.06E-06 | 0.351 | 0.426 | 0.73 | 0.61 | -0.86 | 9.69E-02 | 0.355 | 0.396 | 0.84 | 0.69 | -1.02 | 0.68 | 5.43E-06 | HLA-DRA(dist=42391), HLA-DRB5(dist=29937) | intergenic |
| 6 | 32486344 | T | C | NA | 3.98E-05 | 0.238 | 0.294 | 0.75 | 0.62 | -0.91 | 1.14E-02 | 0.275 | 0.323 | 0.79 | 0.64 | -0.98 | 0.66 | 5.47E-06 | HLA-DQA1(dist=3992), HLA-DQB1(dist=11820) | intergenic |
| 16 | 81893201 | A | G | rs71376314;rs79351249 | 1.13E-01 | 0.017 | 0.023 | 0.77 | 0.42 | -1.41 | 5.28E-06 | 0.040 | 0.025 | 1.62 | 1 | -2.64 | 15.48 | 5.52E-06 | PLCG2 | intronic |
| 6 | 32470248 | A | G | rs111699778 | 1.81E-05 | 0.264 | 0.329 | 0.73 | 0.61 | -0.88 | 1.86E-02 | 0.301 | 0.355 | 0.78 | 0.64 | -0.96 | 0.69 | 5.55E-06 | HLA-DRA(dist=57422), HLA-DRB5(dist=14906) | intergenic |
| 6 | 32647045 | C | T | rs200801702;rs28755354 | 5.33E-03 | 0.211 | 0.257 | 0.77 | 0.64 | -0.94 | 5.98E-05 | 0.164 | 0.241 | 0.62 | 0.48 | -0.8 | 0.68 | 5.58E-06 | HLA-DQB1(dist=12579), HLA-DQA2(dist=62118) | intergenic |
| 6 | 32632336 | G | A | rs9274341 | 9.13E-06 | 0.083 | 0.136 | 0.57 | 0.43 | -0.76 | 2.34E-02 | 0.121 | 0.157 | 0.74 | 0.56 | -0.98 | 0.62 | 5.59E-06 | HLA-DQB1 | intronic |
| 6 | 32484779 | G | A | rs77762669 | 1.82E-05 | 0.341 | 0.407 | 0.75 | 0.64 | -0.89 | 1.76E-02 | 0.442 | 0.494 | 0.81 | 0.67 | -0.98 | 0.69 | 5.67E-06 | HLA-DRB5 | downstream |
| 6 | 32631057 | T | C | NA | 1.12E-05 | 0.112 | 0.175 | 0.60 | 0.47 | -0.77 | 2.86E-02 | 0.130 | 0.166 | 0.75 | 0.57 | -0.99 | 0.65 | 5.82E-06 | HLA-DQA1(dist=3992), HLA-DQB1(dist=11820) | intergenic |
| 6 | 32486667 | G | A | rs115109434 | 2.17E-06 | 0.330 | 0.261 | 0.72 | 0.6 | -0.86 | 5.55E-02 | 0.234 | 0.200 | 0.82 | 0.65 | -1.02 | 0.66 | 5.87E-06 | HLA-DRB5 | intronic |
| 14 | 63513131 | A | G | rs1956672 | 2.43E-05 | 0.308 | 0.387 | 1.42 | 1.19 | -1.69 | 2.89E-02 | 0.324 | 0.361 | 1.18 | 0.97 | -1.44 | 1.39 | 5.92E-06 | KCNH5(dist=1175), RHOJ(dist=157971) | intergenic |
| 6 | 32631065 | C | T | rs17843723 | 1.13E-05 | 0.112 | 0.175 | 0.60 | 0.47 | -0.77 | 2.88E-02 | 0.130 | 0.166 | 0.75 | 0.57 | -0.99 | 0.65 | 5.93E-06 | HLA-DQB1 | intronic |
| 6 | 32646232 | C | G | rs28755305 | 1.12E-02 | 0.184 | 0.225 | 0.78 | 0.63 | -0.96 | 2.17E-05 | 0.152 | 0.232 | 0.59 | 0.46 | -0.77 | 0.68 | 5.94E-06 | HLA-DQB1(dist=11766), HLA-DQA2(dist=62931) | intergenic |
| 6 | 32593220 | T | G | rs9271702 | 2.56E-06 | 0.404 | 0.318 | 0.69 | 0.58 | -0.81 | 6.36E-02 | 0.360 | 0.310 | 0.80 | 0.66 | -0.97 | 0.72 | 5.95E-06 | HLA-DRB1(dist=35607), HLA-DQA1(dist=11963) | intergenic |
| 6 | 32632903 | G | A | rs9274413 | 1.64E-05 | 0.143 | 0.209 | 0.63 | 0.5 | -0.8 | 2.27E-02 | 0.142 | 0.185 | 0.73 | 0.56 | -0.95 | 0.67 | 6.02E-06 | HLA-DQB1 | intronic |
| 6 | 32506894 | C | T | rs7737801 | 3.15E-05 | 0.259 | 0.323 | 0.73 | 0.61 | -0.88 | 1.47E-02 | 0.265 | 0.321 | 0.76 | 0.62 | -0.94 | 0.69 | 6.05E-06 | HLA-DRB5(dist=8888), HLA-DRB6(dist=13596) | intergenic |
| 6 | 32457305 | C | T | rs76565175 | 1.67E-05 | 0.375 | 0.442 | 0.76 | 0.64 | -0.89 | 2.22E-02 | 0.427 | 0.480 | 0.81 | 0.67 | -0.98 | 0.69 | 6.07E-06 | HLA-DRA(dist=44479), HLA-DRB5(dist=27849) | intergenic |
| 6 | 32453372 | A | G | rs62405567 | 1.03E-05 | 0.409 | 0.482 | 0.74 | 0.63 | -0.88 | 2.73E-02 | 0.441 | 0.494 | 0.81 | 0.67 | -0.97 | 0.71 | 6.10E-06 | HLA-DRA(dist=40546), HLA-DRB5(dist=31782) | intergenic |
| 6 | 32630232 | G | A | rs9274130 | 4.33E-06 | 0.125 | 0.194 | 0.59 | 0.47 | -0.75 | 5.32E-02 | 0.141 | 0.178 | 0.76 | 0.58 | -0.99 | 0.66 | 6.15E-06 | HLA-DQB1 | intronic |
| 6 | 32631130 | G | A | NA | 6.50E-06 | 0.104 | 0.167 | 0.58 | 0.45 | -0.75 | 3.68E-02 | 0.134 | 0.172 | 0.75 | 0.57 | -0.98 | 0.65 | 6.17E-06 | HLA-DQA1(dist=3992), HLA-DQB1(dist=11820) | intergenic |
| 6 | 32631129 | T | C | rs17613629 | 6.50E-06 | 0.104 | 0.167 | 0.58 | 0.45 | -0.75 | 3.68E-02 | 0.134 | 0.172 | 0.75 | 0.57 | -0.98 | 0.65 | 6.17E-06 | HLA-DQB1 | intronic |
| 6 | 32644428 | A | G | rs28755236 | 7.20E-03 | 0.202 | 0.247 | 0.77 | 0.63 | -0.94 | 4.23E-05 | 0.146 | 0.223 | 0.60 | 0.46 | -0.78 | 0.68 | 6.18E-06 | HLA-DQB1(dist=9962), HLA-DQA2(dist=64735) | intergenic |
| 4 | 41056317 | A | G | rs6814424 | 7.12E-06 | 0.047 | 0.026 | 1.90 | 1.26 | -2.87 | 1.48E-01 | 0.032 | 0.024 | 1.33 | 0.77 | -2.28 | 3.59 | 6.24E-06 | APBB2 | intronic |
| 4 | 176812473 | G | A | rs57871202 | 6.43E-06 | 0.044 | 0.023 | 1.95 | 1.27 | -2.98 | 6.82E-01 | 0.034 | 0.033 | 1.03 | 0.61 | -1.72 | 5.73 | 6.33E-06 | GPM6A | intronic |
| 6 | 32481493 | C | G | rs144660631 | 4.19E-06 | 0.412 | 0.343 | 0.74 | 0.63 | -0.88 | 4.72E-02 | 0.333 | 0.295 | 0.84 | 0.69 | -1.02 | 0.67 | 6.40E-06 | HLA-DRA(dist=68667), HLA-DRB5(dist=3661) | intergenic |
| 6 | 32469496 | A | C | rs74673002 | 9.58E-06 | 0.285 | 0.356 | 0.72 | 0.61 | -0.86 | 3.29E-02 | 0.316 | 0.366 | 0.80 | 0.65 | -0.98 | 0.70 | 6.44E-06 | HLA-DRA(dist=56670), HLA-DRB5(dist=15658) | intergenic |
| 13 | 48050278 | C | T | rs9595719 | 2.35E-06 | 0.050 | 0.113 | 0.41 | 0.29 | -0.59 | 1.78E-01 | 0.080 | 0.090 | 0.88 | 0.62 | -1.23 | 0.59 | 6.60E-06 | HTR2A(dist=579067), LINC00562(dist=454010) | intergenic |
| 6 | 32484792 | T | C | rs76949882 | 4.63E-05 | 0.371 | 0.435 | 0.77 | 0.65 | -0.91 | 1.17E-02 | 0.449 | 0.502 | 0.81 | 0.67 | -0.98 | 0.69 | 6.63E-06 | HLA-DRB5 | downstream |
| 6 | 32630768 | G | T | rs17613563 | 1.03E-05 | 0.101 | 0.161 | 0.58 | 0.45 | -0.76 | 3.25E-02 | 0.125 | 0.159 | 0.75 | 0.57 | -1 | 0.64 | 6.63E-06 | HLA-DQB1 | intronic |
| 6 | 32646241 | T | A | rs28755307 | 1.17E-02 | 0.184 | 0.224 | 0.78 | 0.63 | -0.96 | 2.35E-05 | 0.151 | 0.231 | 0.59 | 0.46 | -0.77 | 0.68 | 6.65E-06 | HLA-DQB1(dist=11775), HLA-DQA2(dist=62922) | intergenic |
| 3 | 101652887 | G | C | rs7631832 | 5.32E-02 | 0.110 | 0.083 | 1.38 | 1.06 | -1.8 | 4.26E-06 | 0.164 | 0.106 | 1.66 | 1.28 | -2.14 | 1.66 | 6.70E-06 | NFKB1Z(dist=73018), LOC152225(dist=6816) | intergenic |
| 6 | 32611860 | A | G | rs9273032 | 2.89E-05 | 0.253 | 0.191 | 0.70 | 0.58 | -0.85 | 1.44E-02 | 0.238 | 0.189 | 0.75 | 0.6 | -0.93 | 0.67 | 6.78E-06 | HLA-DQA1 | downstream |
| 6 | 32458991 | A | G | rs111458169 | 2.07E-05 | 0.209 | 0.268 | 0.72 | 0.59 | -0.88 | 2.31E-02 | 0.231 | 0.278 | 0.78 | 0.63 | -0.98 | 0.66 | 6.95E-06 | HLA-DRA(dist=46165), HLA-DRB5(dist=26163) | intergenic |
| 6 | 32460766 | G | T | rs76753608 | 1.09E-05 | 0.340 | 0.410 | 0.74 | 0.63 | -0.88 | 3.33E-02 | 0.389 | 0.437 | 0.82 | 0.68 | -0.99 | 0.69 | 6.95E-06 | HLA-DRA(dist=47940), HLA-DRB5(dist=24388) | intergenic |
| 6 | 32565721 | T | C | rs9270643;rs386699424 | 6.27E-05 | 0.262 | 0.202 | 0.71 | 0.59 | -0.86 | 9.95E-03 | 0.225 | 0.180 | 0.76 | 0.6 | -0.95 | 0.67 | 6.98E-06 | HLA-DRB1(dist=8108), HLA-DQA1(dist=39462) | intergenic |
| 6 | 32646238 | C | T | rs28755306 | 1.21E-02 | 0.184 | 0.224 | 0.78 | 0.63 | -0.96 | 2.39E-05 | 0.151 | 0.231 | 0.59 | 0.46 | -0.77 | 0.68 | 7.00E-06 | HLA-DQB1(dist=11772), HLA-DQA2(dist=62925) | intergenic |
| 3 | 101646863 | A | T | rs57809984 | 4.95E-02 | 0.110 | 0.082 | 1.39 | 1.06 | -1.81 | 5.55E-06 | 0.164 | 0.106 | 1.65 | 1.28 | -2.13 | 1.66 | 7.04E-06 | NFKB1Z(dist=66994), LOC152225(dist=12840) | intergenic |
| 6 | 32539424 | A | C | rs9269290 | 1.41E-02 | 0.490 | 0.452 | 0.86 | 0.73 | -1.01 | 1.80E-05 | 0.471 | 0.387 | 0.71 | 0.59 | -0.85 | 0.69 | 7.08E-06 | HLA-DRB6(dist=11645), HLA-DRB1(dist=7123) | intergenic |
| 6 | 32631122 | A | G | rs17613622 | 7.50E-06 | 0.105 | 0.167 | 0.58 | 0.45 | -0.76 | 3.78E-02 | 0.135 | 0.173 | 0.75 | 0.57 | -0.98 | 0.65 | 7.09E-06 | HLA-DQB1 | intronic |
| 6 | 32631639 | C | T | rs9274271 | 4.22E-05 | 0.101 | 0.156 | 0.61 | 0.47 | -0.79 | 1.24E-02 | 0.122 | 0.163 | 0.71 | 0.54 | -0.95 | 0.64 | 7.13E-06 | HLA-DQB1 | intronic |
| 6 | 32340176 | C | T | rs3117110 | 3.18E-05 | 0.462 | 0.388 | 1.35 | 1.15 | -1.59 | 1.70E-02 | 0.443 | 0.381 | 1.29 | 1.07 | -1.56 | 1.37 | 7.14E-06 | C6orf10 | upstream |
| 11 | 35723613 | G | T | rs3118133 | 5.20E-05 | 0.102 | 0.065 | 1.62 | 1.23 | -2.15 | 3.11E-02 | 0.096 | 0.068 | 1.45 | 1.05 | -2 | 1.77 | 7.21E-06 | TRIM44 | intronic |
| 11 | 35774045 | C | T | rs3112062 | 5.21E-05 | 0.103 | 0.066 | 1.62 | 1.22 | -2.15 | 3.10E-02 | 0.096 | 0.068 | 1.46 | 1.06 | -2.01 | 1.77 | 7.24E-06 | TRIM44 | intronic |
| 11 | 35731802 | G | T | rs3110369 | 1.12E-05 | 0.130 | 0.090 | 1.51 | 1.18 | -1.95 | 7.49E-02 | 0.117 | 0.092 | 1.31 | 0.98 | -1.75 | 1.74 | 7.33E-06 | TRIM44 | intronic |
| 6 | 32457285 | A | G | rs79042439 | 1.40E-05 | 0.369 | 0.436 | 0.76 | 0.64 | -0.89 | 2.94E-02 | 0.425 | 0.476 | 0.81 | 0.67 | -0.98 | 0.70 | 7.41E-06 | HLA-DRA(dist=44459), HLA-DRB5(dist=27869) | intergenic |
| 11 | 35769491 | C | T | rs3105266 | 5.62E-05 | 0.102 | 0.065 | 1.62 | 1.22 | -2.15 | 3.01E-02 | 0.096 | 0.067 | 1.46 | 1.06 | -2.02 | 1.77 | 7.41E-06 | TRIM44 | intronic |
| 6 | 32630755 | C | T | NA | 1.18E-05 | 0.096 | 0.155 | 0.58 | 0.44 | -0.76 | 3.08E-02 | 0.124 | 0.159 | 0.75 | 0.57 | -1 | 0.64 | 7.42E-06 | HLA-DQA1(dist=3992), HLA-DQB1(dist=11820) | intergenic |
| 6 | 32593080 | A | G | rs9271695;rs386699519 | 3.42E-06 | 0.403 | 0.318 | 0.69 | 0.58 | -0.82 | 6.50E-02 | 0.360 | 0.310 | 0.80 | 0.66 | -0.97 | 0.73 | 7.44E-06 | HLA-DRB1(dist=35467), HLA-DQA1(dist=12103) | intergenic |
| 6 | 32588422 | C | T | rs9271454 | 5.09E-05 | 0.163 | 0.226 | 0.66 | 0.54 | -0.83 | 1.24E-02 | 0.175 | 0.228 | 0.72 | 0.56 | -0.92 | 0.69 | 7.46E-06 | HLA-DRB1(dist=30809), HLA-DQA1(dist=16761) | intergenic |
| 6 | 32588423 | T | G | rs9271455 | 5.09E-05 | 0.163 | 0.226 | 0.67 | 0.54 | -0.83 | 1.24E-02 | 0.175 | 0.228 | 0.72 | 0.56 | -0.92 | 0.69 | 7.47E-06 | HLA-DRB1(dist=30810), HLA-DQA1(dist=16760) | intergenic |
| 6 | 32643687 | G | T | rs28755192 | 7.66E-03 | 0.231 | 0.278 | 0.78 | 0.64 | -0.95 | 4.77E-05 | 0.171 | 0.248 | 0.63 | 0.49 | -0.8 | 0.70 | 7.54E-06 | HLA-DQB1(dist=9221), HLA-DQA2(dist=65476) | intergenic |
| 7 | 38044200 | A | G | rs10951545 | 1.26E-02 | 0.503 | 0.450 | 1.24 | 1.05 | -1.45 | 4.80E-05 | 0.548 | 0.449 | 1.49 | 1.23 | -1.79 | 1.33 | 7.58E-06 | EPDR1(dist=52658), STARD3NL(dist=173608) | intergenic |
| 14 | 107207818 | G | A | rs12880947 | 1.49E-01 | 0.035 | 0.024 | 1.51 | 0.95 | -2.4 | 1.10E-08 | 0.060 | 0.037 | 1.68 | 1.12 | -2.51 | 3.43 | 7.62E-06 | MIR7641-2(dist=115053), MIR5195(dist=51282) | intergenic |
| 3 | 101618511 | G | A | rs75298342 | 7.74E-02 | 0.110 | 0.084 | 1.36 | 1.04 | -1.77 | 2.25E-06 | 0.161 | 0.101 | 1.72 | 1.33 | -2.23 | 1.64 | 7.62E-06 | NFKB1Z(dist=38642), LOC152225(dist=41192) | intergenic |
| 6 | 32480408 | G | T | rs111604635;rs200869895 | 7.09E-06 | 0.248 | 0.319 | 0.71 | 0.59 | -0.85 | 4.49E-02 | 0.286 | 0.332 | 0.81 | 0.66 | -0.99 | 0.70 | 7.64E-06 | HLA-DRA(dist=67582), HLA-DRB5(dist=4746) | intergenic |
| 6 | 32414639 | G | A | rs7382354 | 5.22E-05 | 0.469 | 0.390 | 0.72 | 0.61 | -0.85 | 1.31E-02 | 0.445 | 0.380 | 0.76 | 0.63 | -0.92 | 0.74 | 7.72E-06 | HLA-DRA(dist=1813), HLA-DRB5(dist=70515) | intergenic |
| 6 | 32429582 | A | G | rs9268851 | 6.09E-05 | 0.189 | 0.131 | 0.65 | 0.52 | -0.8 | 1.12E-02 | 0.175 | 0.134 | 0.73 | 0.57 | -0.93 | 0.65 | 7.73E-06 | HLA-DRA(dist=16756), HLA-DRB5(dist=55572) | intergenic |
| 11 | 35717942 | G | A | rs3118135 | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 7 | 38037534 | A | T | rs4562215 | 1.33E-02 | 0.508 | 0.455 | 1.24 | 1.05 | -1.46 | 4.74E-05 | 0.551 | 0.453 | 1.48 | 1.23 | -1.79 | 1.33 | 8.24E-06 | EPDR1(dist=45992), STARD3NL(dist=180274) | intergenic |
| 6 | 32634243 | G | A | rs9274514 | 2.34E-05 | 0.133 | 0.199 | 0.62 | 0.49 | -0.78 | 2.24E-02 | 0.150 | 0.194 | 0.73 | 0.56 | -0.95 | 0.68 | 8.25E-06 | HLA-DQB1 | intronic |
| 6 | 32488564 | G | A | rs191737659 | 4.80E-05 | 0.334 | 0.274 | 0.75 | 0.63 | -0.9 | 1.34E-02 | 0.257 | 0.213 | 0.78 | 0.63 | -0.97 | 0.67 | 8.30E-06 | HLA-DRB5 | intronic |
| 6 | 32632850 | G | A | rs9274408 | 2.51E-05 | 0.133 | 0.197 | 0.62 | 0.49 | -0.79 | 2.31E-02 | 0.142 | 0.185 | 0.73 | 0.56 | -0.95 | 0.67 | 8.33E-06 | HLA-DQB1 | intronic |
| 6 | 32469671 | A | C | rs115115354 | 5.44E-05 | 0.285 | 0.347 | 0.75 | 0.63 | -0.9 | 1.33E-02 | 0.319 | 0.375 | 0.78 | 0.64 | -0.95 | 0.70 | 8.37E-06 | HLA-DRA(dist=56845), HLA-DRB5(dist=15483) | intergenic |
| 6 | 32593421 | G | A | rs9271710 | 2.48E-06 | 0.449 | 0.361 | 0.69 | 0.59 | -0.82 | 7.95E-02 | 0.388 | 0.342 | 0.82 | 0.67 | -0.99 | 0.73 | 8.41E-06 | HLA-DRB1(dist=35808), HLA-DQA1(dist=11762) | intergenic |
| 6 | 32483045 | T | C | rs530159949;rs145893158 | 1.05E-05 | 0.297 | 0.366 | 0.73 | 0.61 | -0.87 | 3.89E-02 | 0.361 | 0.407 | 0.82 | 0.68 | -1 | 0.70 | 8.42E-06 | HLA-DRA(dist=70219), HLA-DRB5(dist=2109) | intergenic |
| 6 | 32483060 | A | G | rs112388251 | 1.34E-05 | 0.298 | 0.367 | 0.73 | 0.61 | -0.87 | 3.40E-02 | 0.366 | 0.413 | 0.82 | 0.68 | -1 | 0.70 | 8.52E-06 | HLA-DRA(dist=70234), HLA-DRB5(dist=2094) | intergenic |
| 6 | 32474478 | T | C | rs185370462 | 9.99E-06 | 0.254 | 0.320 | 0.72 | 0.6 | -0.87 | 3.13E-02 | 0.320 | 0.369 | 0.80 | 0.66 | -0.98 | 0.69 | 8.54E-06 | HLA-DRA(dist=61652), HLA-DRB5(dist=10676) | intergenic |
| 6 | 32614872 | G | C | rs17612503 | 4.53E-05 | 0.265 | 0.205 | 0.71 | 0.59 | -0.86 | 1.39E-02 | 0.238 | 0.189 | 0.75 | 0.6 | -0.93 | 0.68 | 8.66E-06 | HLA-DQA1(dist=3443), HLA-DQB1(dist=12369) | intergenic |
| 6 | 32634584 | C | G | rs3891174 | 1.79E-05 | 0.128 | 0.194 | 0.61 | 0.48 | -0.78 | 2.72E-02 | 0.150 | 0.193 | 0.74 | 0.57 | -0.96 | 0.68 | 8.70E-06 | HLA-DQB1 | upstream |
| 6 | 32646274 | T | C | rs28755308 | 8.25E-03 | 0.188 | 0.230 | 0.77 | 0.63 | -0.95 | 6.05E-05 | 0.161 | 0.237 | 0.62 | 0.48 | -0.79 | 0.68 | 8.73E-06 | HLA-DQB1(dist=11808), HLA-DQA2(dist=62889) | intergenic |
| 6 | 32539625 | T | C | rs9269309 | 2.82E-02 | 0.474 | 0.437 | 0.86 | 0.73 | -1.02 | 6.48E-06 | 0.466 | 0.379 | 0.70 | 0.58 | -0.84 | 0.70 | 8.75E-06 | HLA-DRB6(dist=11846), HLA-DRB1(dist=6922) | intergenic |
| 6 | 32589301 | A | G | rs9271501 | 4.97E-05 | 0.343 | 0.422 | 0.71 | 0.6 | -0.85 | 1.44E-02 | 0.356 | 0.417 | 0.77 | 0.64 | -0.94 | 0.74 | 8.75E-06 | HLA-DRB1(dist=31688), HLA-DQA1(dist=15882) | intergenic |
| 6 | 32459176 | A | G | rs191818300 | 1.63E-05 | 0.325 | 0.391 | 0.75 | 0.63 | -0.89 | 2.65E-02 | 0.393 | 0.442 | 0.82 | 0.68 | -0.99 | 0.69 | 8.77E-06 | HLA-DRA(dist=46350), HLA-DRB5(dist=25978) | intergenic |
| 3 | 101612626 | G | A | rs12491317 | 8.22E-02 | 0.110 | 0.084 | 1.35 | 1.03 | -1.76 | 2.41E-06 | 0.161 | 0.101 | 1.72 | 1.33 | -2.23 | 1.64 | 8.78E-06 | NFKBIZ(dist=32757), LOC152225(dist=47077) | intergenic |
| 6 | 32632885 | G | T | rs9274412 | 3.16E-05 | 0.129 | 0.191 | 0.63 | 0.49 | -0.79 | 2.01E-02 | 0.141 | 0.185 | 0.73 | 0.56 | -0.95 | 0.67 | 8.89E-06 | HLA-DQB1 | intronic |
| 6 | 32589300 | C | T | rs9271500 | 4.80E-05 | 0.343 | 0.422 | 0.71 | 0.6 | -0.85 | 1.50E-02 | 0.356 | 0.416 | 0.77 | 0.64 | -0.94 | 0.74 | 8.91E-06 | HLA-DRB1(dist=31687), HLA-DQA1(dist=15883) | intergenic |
| 6 | 32542370 | T | A | rs9269474 | 9.45E-03 | 0.353 | 0.311 | 0.83 | 0.7 | -0.98 | 5.74E-05 | 0.343 | 0.268 | 0.70 | 0.57 | -0.85 | 0.69 | 8.98E-06 | HLA-DRB6(dist=14591), HLA-DRB1(dist=4177) | intergenic |
| 6 | 32615816 | G | A | rs17612669 | 1.97E-02 | 0.510 | 0.466 | 0.84 | 0.71 | -0.99 | 1.42E-05 | 0.513 | 0.412 | 0.67 | 0.55 | -0.8 | 0.74 | 9.01E-06 | HLA-DQA1(dist=4387), HLA-DQB1(dist=11425) | intergenic |
| 6 | 32592833 | C | G | rs9271673 | 4.44E-06 | 0.399 | 0.315 | 0.69 | 0.58 | -0.82 | 6.64E-02 | 0.359 | 0.309 | 0.80 | 0.66 | -0.97 | 0.73 | 9.01E-06 | HLA-DRB1(dist=35220), HLA-DQA1(dist=12350) | intergenic |
| 6 | 32573247 | T | C | rs9270958 | 9.16E-03 | 0.366 | 0.320 | 0.82 | 0.69 | -0.97 | 5.15E-05 | 0.364 | 0.286 | 0.70 | 0.57 | -0.85 | 0.70 | 9.01E-06 | HLA-DRB1(dist=15634), HLA-DQA1(dist=31936) | intergenic |
| 6 | 32474090 | G | T | rs76659340 | 1.69E-06 | 0.262 | 0.335 | 0.70 | 0.59 | -0.84 | 8.18E-02 | 0.319 | 0.361 | 0.83 | 0.68 | -1.01 | 0.69 | 9.02E-06 | HLA-DRA(dist=61264), HLA-DRB5(dist=11064) | intergenic |
| 8 | 73834133 | G | T | rs142677578 | 1.24E-02 | 0.045 | 0.031 | 1.45 | 0.97 | -2.18 | 1.83E-05 | 0.048 | 0.023 | 2.12 | 1.35 | -3.34 | 2.84 | 9.22E-06 | KCNB2 | intronic |
| 7 | 64554743 | T | C | rs4498429 | 1.65E-05 | 0.223 | 0.175 | 0.73 | 0.6 | -0.9 | 7.02E-02 | 0.219 | 0.184 | 0.80 | 0.64 | -1.01 | 0.63 | 9.23E-06 | CCT6P3(dist=19652), ZNF92(dist=283969) | intergenic |
| 6 | 32457291 | G | C | rs74745419 | 1.84E-05 | 0.362 | 0.428 | 0.76 | 0.64 | -0.9 | 2.94E-02 | 0.419 | 0.469 | 0.81 | 0.67 | -0.98 | 0.70 | 9.29E-06 | HLA-DRA(dist=44465), HLA-DRB5(dist=27863) | intergenic |
| 6 | 32470053 | A | G | rs75958729 | 1.57E-05 | 0.257 | 0.324 | 0.72 | 0.6 | -0.87 | 3.46E-02 | 0.300 | 0.347 | 0.80 | 0.66 | -0.99 | 0.70 | 9.51E-06 | HLA-DRA(dist=57227), HLA-DRB5(dist=15101) | intergenic |
| 6 | 32632252 | A | G | rs9274330 | 1.53E-05 | 0.069 | 0.116 | 0.56 | 0.41 | -0.77 | 2.66E-02 | 0.107 | 0.138 | 0.75 | 0.56 | -1.01 | 0.60 | 9.54E-06 | HLA-DQB1 | intronic |
| 7 | 38040027 | T | G | rs2392524 | 1.87E-02 | 0.519 | 0.466 | 1.24 | 1.05 | -1.45 | 2.81E-05 | 0.581 | 0.484 | 1.48 | 1.23 | -1.79 | 1.33 | 9.55E-06 | EPDR1(dist=48485), STARD3NL(dist=177781) | intergenic |
| 11 | 35744080 | G | T | rs3105265 | 5.38E-05 | 0.101 | 0.065 | 1.61 | 1.22 | -2.14 | 3.70E-02 | 0.096 | 0.069 | 1.43 | 1.04 | -1.98 | 1.77 | 9.55E-06 | TRIM44 | intronic |
| 11 | 35703291 | T | C | rs531239 | 5.02E-05 | 0.103 | 0.066 | 1.62 | 1.22 | -2.14 | 4.28E-02 | 0.092 | 0.067 | 1.42 | 1.02 | -1.97 | 1.77 | 9.61E-06 | TRIM44 | intronic |
| 11 | 35704316 | T | C | rs561462 | 5.02E-05 | 0.103 | 0.066 | 1.62 | 1.22 | -2.14 | 4.28E-02 | 0.092 | 0.067 | 1.42 | 1.02 | -1.97 | 1.77 | 9.61E-06 | TRIM44 | intronic |
| 11 | 35746852 | A | G | rs3110370 | 5.39E-05 | 0.101 | 0.065 | 1.61 | 1.22 | -2.14 | 3.72E-02 | 0.096 | 0.069 | 1.43 | 1.04 | -1.98 | 1.77 | 9.63E-06 | TRIM44 | intronic |
| 11 | 35750668 | A | G | rs3118130 | 5.42E-05 | 0.101 | 0.065 | 1.61 | 1.22 | -2.14 | 3.71E-02 | 0.096 | 0.069 | 1.43 | 1.04 | -1.98 | 1.77 | 9.65E-06 | TRIM44 | intronic |
| 4 | 14493091 | A | G | rs57827316 | 3.68E-06 | 0.060 | 0.030 | 2.08 | 1.43 | -3.02 | 2.98E-01 | 0.036 | 0.028 | 1.29 | 0.77 | -2.13 | 2.55 | 9.69E-06 | LINC00504 | ncRNA_intronic |
| 2 | 45114950 | G | A | rs79321422 | 5.40E-02 | 0.072 | 0.059 | 1.24 | 0.9 | -1.71 | 2.42E-06 | 0.092 | 0.045 | 2.13 | 1.53 | -2.98 | 2.00 | 9.74E-06 | CAMKMT(dist=115219), SIX3-AS1(dist=52343) | intergenic |
| 6 | 32485222 | C | T | rs1137496 | 3.08E-06 | 0.557 | 0.485 | 0.75 | 0.64 | -0.88 | 8.39E-02 | 0.456 | 0.493 | 0.86 | 0.71 | -1.04 | 0.68 | 9.78E-06 | HLA-DRB5(NM_002125.c.*294G>A) | UTR3 |
| 6 | 32459025 | A | T | rs115662768 | 3.59E-06 | 0.232 | 0.298 | 0.71 | 0.59 | -0.86 | 6.32E-02 | 0.291 | 0.333 | 0.82 | 0.67 | -1.01 | 0.68 | 9.79E-06 | HLA-DRA(dist=46199), HLA-DRB5(dist=26129) | intergenic |
| 6 | 32568596 | G | A | rs9270758 | 1.11E-02 | 0.422 | 0.378 | 0.83 | 0.71 | -0.98 | 4.38E-05 | 0.397 | 0.313 | 0.69 | 0.57 | -0.84 | 0.71 | 9.81E-06 | HLA-DRB1(dist=10983), HLA-DQA1(dist=36587) | intergenic |
| 5 | 177786775 | T | C | rs34413260 | 6.37E-06 | 0.169 | 0.122 | 1.46 | 1.17 | -1.83 | 6.69E-02 | 0.114 | 0.134 | 0.83 | 0.62 | -1.12 | 2.11 | 9.86E-06 | COL23A1 | intronic |
| 3 | 101654496 | G | C | rs12497326 | 5.71E-02 | 0.110 | 0.083 | 1.38 | 1.05 | -1.8 | 6.70E-06 | 0.164 | 0.107 | 1.64 | 1.27 | -2.12 | 1.64 | 9.91E-06 | NFKBIZ(dist=74627), LOC152225(dist=5207) | intergenic |
| 6 | 32633426 | G | C | rs9274462 | 2.23E-05 | 0.126 | 0.190 | 0.62 | 0.49 | -0.78 | 2.68E-02 | 0.145 | 0.187 | 0.73 | 0.56 | -0.96 | 0.67 | 9.99E-06 | HLA-DQB1 | intronic |
| 6 | 32469957 | A | G | rs75505821 | 4.29E-05 | 0.243 | 0.306 | 0.73 | 0.6 | -0.88 | 1.91E-02 | 0.274 | 0.325 | 0.78 | 0.64 | -0.97 | 0.69 | 9.99E-06 | HLA-DRA(dist=57131), HLA-DRB5(dist=15197) | intergenic |
| 3 | 101614309 | T | G | rs77498321 | 8.65E-02 | 0.109 | 0.084 | 1.35 | 1.03 | -1.76 | 2.63E-06 | 0.160 | 0.100 | 1.72 | 1.33 | -2.23 | 1.63 | 1.00E-05 | NFKBIZ(dist=34440), LOC152225(dist=45394) | intergenic |
| 6 | 32495962 | T | C | rs111344168 | 4.45E-06 | 0.333 | 0.264 | 0.72 | 0.6 | -0.86 | 6.01E-02 | 0.262 | 0.228 | 0.83 | 0.67 | -1.03 | 0.67 | 1.00E-05 | HLA-DRB5 | intronic |
| 7 | 38039819 | C | T | rs4517022 | 1.94E-02 | 0.519 | 0.467 | 1.23 | 1.05 | -1.45 | 2.83E-05 | 0.581 | 0.484 | 1.48 | 1.23 | -1.79 | 1.32 | 1.01E-05 | EPDR1(dist=48277), STARD3NL(dist=177989) | intergenic |
| 6 | 32495377 | T | G | rs150721717 | 4.63E-05 | 0.199 | 0.256 | 0.72 | 0.59 | -0.88 | 2.12E-02 | 0.216 | 0.260 | 0.78 | 0.63 | -0.98 | 0.66 | 1.01E-05 | HLA-DRB5 | intronic |
| 6 | 32473740 | G | T | rs112365225 | 9.89E-06 | 0.291 | 0.361 | 0.72 | 0.61 | -0.86 | 4.62E-02 | 0.333 | 0.379 | 0.82 | 0.67 | -1 | 0.70 | 1.02E-05 | HLA-DRA(dist=60914), HLA-DRB5(dist=11414) | intergenic |
| 3 | 101613751 | C | T | rs74951263 | 8.79E-02 | 0.109 | 0.083 | 1.34 | 1.03 | -1.76 | 2.76E-06 | 0.160 | 0.100 | 1.72 | 1.33 | -2.23 | 1.63 | 1.02E-05 | NFKBIZ(dist=33882), LOC152225(dist=45952) | intergenic |
| 6 | 32496202 | C | G | rs116232911 | 1.54E-05 | 0.399 | 0.460 | 0.78 | 0.66 | -0.92 | 3.26E-02 | 0.537 | 0.495 | 0.84 | 0.7 | -1.02 | 0.68 | 1.02E-05 | HLA-DRB5 | intronic |
| 6 | 32531923 | G | A | rs35366052 | 3.47E-05 | 0.266 | 0.206 | 0.72 | 0.59 | -0.86 | 1.92E-02 | 0.225 | 0.184 | 0.78 | 0.62 | -0.97 | 0.66 | 1.02E-05 | HLA-DRB6(dist=4144), HLA-DRB1(dist=14624) | intergenic |
| 6 | 32634126 | G | A | rs9274505 | 5.30E-05 | 0.117 | 0.177 | 0.62 | 0.48 | -0.79 | 1.58E-02 | 0.136 | 0.178 | 0.72 | 0.55 | -0.95 | 0.67 | 1.02E-05 | HLA-DQB1 | intronic |
| 6 | 32501395 | T | C | rs72851021 | 1.07E-02 | 0.316 | 0.275 | 0.82 | 0.69 | -0.98 | 5.96E-05 | 0.310 | 0.235 | 0.68 | 0.56 | -0.84 | 0.69 | 1.03E-05 | HLA-DRB5(dist=3389), HLA-DRB6(dist=19095) | intergenic |
| 9 | 117827060 | C | T | rs61738263 | 2.94E-05 | 0.080 | 0.044 | 1.90 | 1.38 | -2.62 | 5.50E-02 | 0.062 | 0.042 | 1.50 | 1.01 | -2.23 | 1.98 | 1.05E-05 | TNC | exonic |
| 3 | 101613851 | T | G | rs79576389 | 8.72E-02 | 0.110 | 0.084 | 1.35 | 1.03 | -1.76 | 2.75E-06 | 0.160 | 0.100 | 1.72 | 1.33 | -2.23 | 1.63 | 1.05E-05 | NFKBIZ(dist=33982), LOC152225(dist=45852) | intergenic |
| 6 | 32474088 | C | T | rs74930081 | 3.62E-06 | 0.276 | 0.347 | 0.72 | 0.6 | -0.86 | 6.54E-02 | 0.325 | 0.368 | 0.83 | 0.68 | -1.01 | 0.70 | 1.05E-05 | HLA-DRA(dist=61262), HLA-DRB5(dist=11066) | intergenic |
| 3 | 101612337 | C | T | rs35756196 | 8.49E-02 | | | | | | | | | | | | | | | |

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|----|-----------|---|---|---|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32493438 | T | C | rs114202038 | 6.49E-05 | 0.071 | 0.112 | 0.61 | 0.45 | -0.83 | 1.27E-02 | 0.090 | 0.126 | 0.69 | 0.5 | -0.95 | 0.57 | 1.12E-05 | HLA-DRB5 | intronic |
| 11 | 35734910 | A | G | rs3112060 | 5.07E-05 | 0.103 | 0.066 | 1.62 | 1.22 | -2.14 | 4.43E-02 | 0.097 | 0.070 | 1.42 | 1.03 | -1.95 | 1.74 | 1.12E-05 | TRIM44 | intronic |
| 6 | 32468869 | T | G | rs78930215 | 4.27E-05 | 0.087 | 0.132 | 0.63 | 0.47 | -0.83 | 2.24E-02 | 0.093 | 0.124 | 0.73 | 0.53 | -1 | 0.58 | 1.12E-05 | HLA-DRA(dist=56043), HLA-DRB5(dist=16285) | intergenic |
| 11 | 35740224 | A | G | rs3118131 | 5.08E-05 | 0.103 | 0.066 | 1.62 | 1.22 | -2.14 | 4.46E-02 | 0.097 | 0.070 | 1.42 | 1.03 | -1.95 | 1.74 | 1.13E-05 | TRIM44 | intronic |
| 9 | 123661769 | G | A | rs7023254 | 5.29E-05 | 0.242 | 0.186 | 1.40 | 1.15 | -1.7 | 3.64E-02 | 0.210 | 0.169 | 1.31 | 1.04 | -1.64 | 1.45 | 1.13E-05 | PHF19(dist=4595), TRAF1(dist=2902) | intergenic |
| 6 | 32469929 | A | G | rs75686932 | 4.64E-05 | 0.280 | 0.345 | 0.74 | 0.62 | -0.88 | 1.90E-02 | 0.322 | 0.373 | 0.80 | 0.65 | -0.97 | 0.70 | 1.14E-05 | HLA-DRA(dist=57103), HLA-DRB5(dist=15225) | intergenic |
| 9 | 123658460 | C | T | rs55653034 | 5.22E-05 | 0.242 | 0.186 | 1.40 | 1.15 | -1.7 | 3.70E-02 | 0.211 | 0.170 | 1.30 | 1.03 | -1.64 | 1.45 | 1.15E-05 | PHF19(dist=1286), TRAF1(dist=6211) | intergenic |
| 19 | 56283664 | C | G | rs7260322 | 1.07E-05 | 0.356 | 0.283 | 0.71 | 0.6 | -0.85 | 8.58E-01 | 0.361 | 0.372 | 1.05 | 0.86 | -1.27 | 0.57 | 1.15E-05 | RFFL4L1 | intronic |
| 11 | 35732980 | A | G | rs3112059 | 5.10E-05 | 0.103 | 0.066 | 1.62 | 1.22 | -2.14 | 4.52E-02 | 0.097 | 0.070 | 1.42 | 1.03 | -1.95 | 1.74 | 1.15E-05 | TRIM44 | intronic |
| 9 | 123655938 | C | T | rs7848494 | 5.22E-05 | 0.242 | 0.186 | 1.40 | 1.15 | -1.7 | 3.71E-02 | 0.211 | 0.170 | 1.30 | 1.03 | -1.64 | 1.45 | 1.15E-05 | PHF19 | intronic |
| 6 | 32646366 | T | G | rs28755314 | 1.27E-02 | 0.189 | 0.228 | 0.79 | 0.64 | -0.97 | 4.60E-05 | 0.146 | 0.220 | 0.60 | 0.46 | -0.79 | 0.68 | 1.15E-05 | HLA-DQB1(dist=11900), HLA-DQA2(dist=62797) | intergenic |
| 3 | 101660225 | G | C | rs75564788 | 7.13E-02 | 0.108 | 0.081 | 1.37 | 1.04 | -1.79 | 5.11E-06 | 0.162 | 0.105 | 1.65 | 1.27 | -2.13 | 1.65 | 1.16E-05 | LOC152225 | ncRNA_intronic |
| 6 | 32592950 | C | T | rs9271683 | 5.43E-06 | 0.407 | 0.321 | 0.70 | 0.59 | -0.82 | 7.11E-02 | 0.360 | 0.311 | 0.80 | 0.66 | -0.97 | 0.73 | 1.16E-05 | HLA-DRB1(dist=35337), HLA-DQA1(dist=12233) | intergenic |
| 10 | 134957848 | G | A | rs11598465 | 3.21E-01 | 0.037 | 0.040 | 0.92 | 0.6 | -1.41 | 7.67E-06 | 0.071 | 0.047 | 1.53 | 1.05 | -2.21 | 5.74 | 1.17E-05 | ADGRA1(dist=12669), KNDC1(dist=16123) | intergenic |
| 11 | 35752990 | A | G | rs3105264 | 5.54E-05 | 0.103 | 0.066 | 1.62 | 1.22 | -2.14 | 4.36E-02 | 0.096 | 0.070 | 1.42 | 1.03 | -1.96 | 1.74 | 1.18E-05 | TRIM44 | intronic |
| 6 | 32632567 | A | C | rs9274373 | 6.35E-05 | 0.071 | 0.118 | 0.57 | 0.42 | -0.78 | 1.65E-02 | 0.096 | 0.130 | 0.72 | 0.52 | -0.98 | 0.61 | 1.18E-05 | HLA-DQB1 | intronic |
| 6 | 32683708 | A | G | rs9275608 | 5.78E-05 | 0.355 | 0.287 | 1.37 | 1.15 | -1.62 | 1.81E-02 | 0.333 | 0.273 | 1.33 | 1.09 | -1.62 | 1.38 | 1.19E-05 | HLA-DQB1(dist=49242), HLA-DQA2(dist=25455) | intergenic |
| 6 | 32683713 | C | G | rs9275609 | 5.81E-05 | 0.355 | 0.287 | 1.37 | 1.15 | -1.62 | 1.81E-02 | 0.333 | 0.273 | 1.33 | 1.09 | -1.62 | 1.38 | 1.19E-05 | HLA-DQB1(dist=49242), HLA-DQA2(dist=25450) | intergenic |
| 6 | 32630862 | G | A | NA | 1.76E-05 | 0.114 | 0.173 | 0.61 | 0.48 | -0.78 | 4.12E-02 | 0.127 | 0.161 | 0.76 | 0.58 | -1.01 | 0.65 | 1.20E-05 | HLA-DQA1(dist=3992), HLA-DQB1(dist=11820) | intergenic |
| 7 | 38059421 | G | A | rs62444582 | 2.38E-02 | 0.477 | 0.430 | 1.21 | 1.03 | -1.43 | 2.72E-05 | 0.528 | 0.429 | 1.49 | 1.23 | -1.79 | 1.33 | 1.20E-05 | EPDR1(dist=67879), STARD3NL(dist=158387) | intergenic |
| 6 | 32633749 | A | G | rs9274479 | 6.30E-05 | 0.104 | 0.159 | 0.62 | 0.48 | -0.8 | 1.39E-02 | 0.135 | 0.178 | 0.72 | 0.55 | -0.94 | 0.66 | 1.21E-05 | HLA-DQB1 | intronic |
| 3 | 101612551 | C | G | rs386663954;rs1249710 | 8.25E-02 | 0.110 | 0.084 | 1.35 | 1.03 | -1.76 | 4.09E-06 | 0.160 | 0.101 | 1.70 | 1.31 | -2.2 | 1.63 | 1.21E-05 | NFKBIZ(dist=32682), LOC152225(dist=47152) | intergenic |
| 7 | 38052934 | C | T | rs7811382 | 1.70E-02 | 0.501 | 0.450 | 1.23 | 1.04 | -1.44 | 5.35E-05 | 0.547 | 0.449 | 1.48 | 1.23 | -1.79 | 1.32 | 1.21E-05 | EPDR1(dist=61392), STARD3NL(dist=164874) | intergenic |
| 6 | 32481749 | C | T | rs115405728 | 1.24E-05 | 0.205 | 0.268 | 0.70 | 0.58 | -0.86 | 4.11E-02 | 0.258 | 0.303 | 0.80 | 0.65 | -0.99 | 0.69 | 1.22E-05 | HLA-DRA(dist=68923), HLA-DRB5(dist=3405) | intergenic |
| 6 | 32474008 | G | C | rs75795023 | 7.37E-06 | 0.402 | 0.474 | 0.75 | 0.63 | -0.88 | 5.76E-02 | 0.522 | 0.482 | 0.85 | 0.71 | -1.03 | 0.70 | 1.22E-05 | HLA-DRA(dist=61182), HLA-DRB5(dist=11146) | intergenic |
| 12 | 120121050 | G | A | rs278154 | 4.36E-05 | 0.259 | 0.331 | 0.70 | 0.59 | -0.85 | 5.16E-02 | 0.299 | 0.338 | 0.84 | 0.68 | -1.03 | 0.73 | 1.24E-05 | PRKAB1(dist=1621), CIT(dist=2545) | intergenic |
| 9 | 4279312 | A | T | rs58160383 | 5.62E-05 | 0.203 | 0.162 | 1.32 | 1.08 | -1.63 | 3.58E-02 | 0.176 | 0.142 | 1.30 | 1.01 | -1.66 | 1.66 | 1.24E-05 | GLIS3 | intronic |
| 6 | 32633174 | C | T | rs9274437 | 3.66E-05 | 0.122 | 0.184 | 0.62 | 0.49 | -0.79 | 2.51E-02 | 0.140 | 0.181 | 0.73 | 0.56 | -0.96 | 0.67 | 1.25E-05 | HLA-DQB1 | intronic |
| 6 | 32518960 | A | T | rs28653112 | 4.40E-05 | 0.378 | 0.441 | 0.77 | 0.65 | -0.91 | 2.25E-02 | 0.395 | 0.443 | 0.82 | 0.68 | -0.99 | 0.69 | 1.25E-05 | HLA-DRB5(dist=20954), HLA-DRB6(dist=1530) | intergenic |
| 6 | 32602482 | T | C | rs3104369;rs386699529 | 1.02E-05 | 0.400 | 0.357 | 0.71 | 0.6 | -0.83 | 5.27E-02 | 0.404 | 0.352 | 0.80 | 0.66 | -0.97 | 0.74 | 1.25E-05 | HLA-DRB1(dist=44869), HLA-DQA1(dist=2701) | intergenic |
| 6 | 32595083 | G | T | rs3129768 | 5.72E-06 | 0.401 | 0.318 | 0.69 | 0.59 | -0.82 | 7.53E-02 | 0.358 | 0.309 | 0.80 | 0.66 | -0.98 | 0.73 | 1.25E-05 | HLA-DRB1(dist=37470), HLA-DQA1(dist=10100) | intergenic |
| 4 | 8214005 | G | A | rs1712286 | 1.28E-05 | 0.391 | 0.330 | 0.77 | 0.65 | -0.91 | 1.48E-02 | 0.305 | 0.271 | 0.85 | 0.69 | -1.04 | 0.64 | 1.26E-05 | SH3TC1 | intronic |
| 6 | 32473412 | T | C | rs112707813 | 6.00E-06 | 0.438 | 0.365 | 0.74 | 0.62 | -0.87 | 7.61E-02 | 0.361 | 0.329 | 0.87 | 0.71 | -1.05 | 0.68 | 1.26E-05 | HLA-DRA(dist=60586), HLA-DRB5(dist=11742) | intergenic |
| 6 | 32541377 | C | T | rs9269408 | 4.59E-06 | 0.201 | 0.261 | 0.71 | 0.58 | -0.87 | 5.27E-06 | 0.252 | 0.333 | 0.67 | 0.54 | -0.83 | 0.55 | 1.27E-05 | HLA-DRB6(dist=13598), HLA-DRB1(dist=5170) | intergenic |
| 18 | 71383778 | C | T | rs9956373 | 1.27E-05 | 0.237 | 0.167 | 1.55 | 1.27 | -1.88 | 1.07E-01 | 0.227 | 0.211 | 1.10 | 0.88 | -1.38 | 1.52 | 1.27E-05 | LOC100505817(dist=366654), FBXO15(dist=356810) | intergenic |
| 6 | 32594274 | T | C | rs9271771 | 5.83E-06 | 0.426 | 0.343 | 0.70 | 0.6 | -0.83 | 7.32E-02 | 0.362 | 0.313 | 0.80 | 0.66 | -0.97 | 0.73 | 1.29E-05 | HLA-DRB1(dist=36661), HLA-DQA1(dist=10909) | intergenic |
| 6 | 32635296 | C | T | rs77296290 | 9.94E-06 | 0.127 | 0.195 | 0.60 | 0.47 | -0.76 | 5.45E-02 | 0.151 | 0.189 | 0.76 | 0.59 | -0.99 | 0.68 | 1.31E-05 | HLA-DQB1 | upstream |
| 6 | 32633928 | G | A | rs9274497 | 4.17E-05 | 0.121 | 0.183 | 0.62 | 0.48 | -0.79 | 2.21E-02 | 0.149 | 0.193 | 0.73 | 0.56 | -0.95 | 0.68 | 1.31E-05 | HLA-DQB1 | intronic |
| 3 | 101624229 | G | A | rs12497281 | 5.86E-02 | 0.094 | 0.070 | 1.38 | 1.03 | -1.84 | 9.05E-06 | 0.131 | 0.080 | 1.73 | 1.3 | -2.29 | 1.73 | 1.33E-05 | NFKBIZ(dist=44360), LOC152225(dist=35474) | intergenic |
| 6 | 32473099 | C | T | rs116274877;rs200021281 | 1.55E-06 | 0.339 | 0.415 | 0.72 | 0.61 | -0.86 | 1.38E-01 | 0.417 | 0.453 | 0.86 | 0.71 | -1.04 | 0.71 | 1.35E-05 | HLA-DRA(dist=60273), HLA-DRB5(dist=12055) | intergenic |
| 6 | 32683121 | G | A | rs3104409 | 4.86E-05 | 0.423 | 0.493 | 0.76 | 0.64 | -0.89 | 2.40E-02 | 0.527 | 0.467 | 0.79 | 0.65 | -0.95 | 0.73 | 1.35E-05 | HLA-DQB1(dist=48655), HLA-DQA2(dist=26042) | intergenic |
| 11 | 17339067 | A | C | rs72863686 | 3.41E-01 | 0.029 | 0.022 | 1.35 | 0.82 | -2.22 | 4.16E-08 | 0.077 | 0.042 | 1.89 | 1.32 | -2.71 | 2.66 | 1.36E-05 | NUCB2 | intronic |
| 6 | 32592794 | G | T | rs386699516;rs386699517;rs9271671;rs386699518 | 7.38E-06 | 0.408 | 0.325 | 0.70 | 0.59 | -0.83 | 6.94E-02 | 0.360 | 0.311 | 0.80 | 0.66 | -0.97 | 0.73 | 1.36E-05 | HLA-DRB1(dist=35181), HLA-DQA1(dist=12389) | intergenic |
| 11 | 35782213 | T | G | rs113822594 | 5.88E-05 | 0.104 | 0.067 | 1.61 | 1.22 | -2.13 | 4.62E-02 | 0.098 | 0.071 | 1.42 | 1.04 | -1.96 | 1.72 | 1.36E-05 | TRIM44 | intronic |
| 12 | 32473989 | G | C | rs143598820 | 2.39E-02 | 0.034 | 0.022 | 1.57 | 0.98 | -2.52 | 4.38E-05 | 0.049 | 0.022 | 2.30 | 1.46 | -3.6 | 2.69 | 1.37E-05 | BICD1 | intronic |
| 6 | 32483024 | A | T | rs112100135 | 1.34E-05 | 0.309 | 0.380 | 0.73 | 0.61 | -0.87 | 5.20E-02 | 0.382 | 0.427 | 0.83 | 0.68 | -1 | 0.71 | 1.37E-05 | HLA-DRA(dist=70198), HLA-DRB5(dist=2130) | intergenic |
| 6 | 32460759 | A | G | rs115228941 | 4.74E-05 | 0.339 | 0.404 | 0.75 | 0.64 | -0.9 | 2.37E-02 | 0.357 | 0.408 | 0.80 | 0.66 | -0.98 | 0.70 | 1.38E-05 | HLA-DRA(dist=47933), HLA-DRB5(dist=24395) | intergenic |
| 6 | 32593479 | C | T | rs9271719 | 5.40E-06 | 0.415 | 0.332 | 0.70 | 0.59 | -0.83 | 8.04E-02 | 0.357 | 0.309 | 0.81 | 0.66 | -0.98 | 0.73 | 1.39E-05 | HLA-DRB1(dist=35866), HLA-DQA1(dist=11704) | intergenic |
| 3 | 101605961 | A | T | rs35824656 | 4.89E-02 | 0.164 | 0.132 | 1.28 | 1.03 | -1.61 | 9.34E-06 | 0.203 | 0.144 | 1.52 | 1.2 | -1.92 | 1.54 | 1.41E-05 | NFKBIZ(dist=26092), LOC152225(dist=53742) | intergenic |
| 6 | 32473101 | A | G | rs115428791 | 2.91E-06 | 0.339 | 0.413 | 0.73 | 0.61 | -0.87 | 1.09E-01 | 0.409 | 0.447 | 0.86 | 0.71 | -1.03 | 0.71 | 1.45E-05 | HLA-DRA(dist=60275), HLA-DRB5(dist=12053) | intergenic |
| 9 | 81248146 | C | G | rs3009687 | 5.41E-07 | 0.287 | 0.203 | 1.58 | 1.32 | -1.91 | 4.37E-01 | 0.233 | 0.225 | 1.05 | 0.84 | -1.31 | 1.45 | 1.46E-05 | PSAT1(dist=303137), LOC101927450(dist=502192) | intergenic |
| 6 | 32554420 | C | G | rs9270092 | 5.78E-05 | 0.363 | 0.306 | 0.77 | 0.65 | -0.92 | 1.87E-02 | 0.330 | 0.286 | 0.81 | 0.67 | -0.99 | 0.67 | 1.46E-05 | HLA-DRB1 | intronic |
| 6 | 32469662 | C | T | rs116191291 | 2.42E-05 | 0.313 | 0.382 | 0.74 | 0.62 | -0.88 | 3.80E-02 | 0.353 | 0.400 | 0.82 | 0.67 | -1 | 0.71 | 1.46E-05 | HLA-DRA(dist=56836), HLA-DRB5(dist=15492) | intergenic |
| 6 | 32488710 | G | A | rs139860555 | 6.04E-05 | 0.341 | 0.281 | 0.76 | 0.64 | -0.9 | 1.87E-02 | 0.256 | 0.214 | 0.79 | 0.64 | -0.98 | 0.67 | 1.46E-05 | HLA-DRB5 | intronic |
| 11 | 35786434 | A | G | rs11033268 | 5.97E-05 | 0.104 | 0.067 | 1.61 | 1.22 | -2.13 | 4.85E-02 | 0.099 | 0.072 | 1.42 | 1.03 | -1.95 | 1.72 | 1.47E-05 | TRIM44 | intronic |
| 6 | 32594328 | C | T | rs9271775 | 5.09E-06 | 0.386 | 0.303 | 0.69 | 0.58 | -0.82 | 9.13E-02 | 0.342 | 0.296 | 0.81 | 0.67 | -0.99 | 0.73 | 1.49E-05 | HLA-DRB1(dist=36715), HLA-DQA1(dist=10855) | intergenic |
| 6 | 32456778 | T | G | rs7 | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-----------------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|--|----------------|
| 6 | 32632326 | G | A | rs9274340 | 1.05E-05 | 0.070 | 0.118 | 0.56 | 0.41 | -0.77 | 5.33E-02 | 0.099 | 0.126 | 0.76 | 0.56 | -1.04 | 0.60 | 1.56E-05 | HLA-DQB1 | | intronic |
| 6 | 32591976 | C | A | rs9271629 | 8.72E-06 | 0.401 | 0.320 | 0.70 | 0.59 | -0.83 | 7.15E-02 | 0.358 | 0.309 | 0.80 | 0.66 | -0.98 | 0.73 | 1.58E-05 | HLA-DRB1(dist=34363), HLA-DQA1(dist=13207) | | intergenic |
| 6 | 32620228 | G | A | NA | 1.04E-05 | 0.117 | 0.182 | 0.60 | 0.47 | -0.76 | 6.36E-02 | 0.149 | 0.186 | 0.77 | 0.59 | -1 | 0.67 | 1.59E-05 | HLA-DQA1(dist=3992), HLA-DQB1(dist=11820) | | intergenic |
| 6 | 32596309 | C | T | rs2036202 | 7.35E-06 | 0.398 | 0.316 | 0.70 | 0.59 | -0.83 | 7.75E-02 | 0.358 | 0.309 | 0.80 | 0.66 | -0.98 | 0.73 | 1.60E-05 | HLA-DRB1(dist=38696), HLA-DQA1(dist=8874) | | intergenic |
| 6 | 32485073 | G | A | rs199985765;rs187600503 | 1.42E-05 | 0.507 | 0.440 | 0.76 | 0.65 | -0.9 | 5.51E-02 | 0.425 | 0.389 | 0.86 | 0.71 | -1.04 | 0.68 | 1.61E-05 | HLA-DRB5 | | downstream |
| 6 | 32457242 | C | A | rs79357367 | 1.36E-05 | 0.560 | 0.426 | 0.76 | 0.64 | -0.9 | 5.69E-02 | 0.420 | 0.466 | 0.83 | 0.69 | -1 | 0.70 | 1.61E-05 | HLA-DRA(dist=44416), HLA-DRB5(dist=27912) | | intergenic |
| 1 | 152923113 | G | C | rs386635525;rs2066005 | 2.03E-06 | 0.310 | 0.226 | 0.65 | 0.54 | -0.77 | 2.06E-01 | 0.270 | 0.249 | 0.90 | 0.73 | -1.11 | 0.72 | 1.62E-05 | IVL(dist=38751), SPRR4(dist=20016) | | intergenic |
| 6 | 32590916 | A | G | rs9271587 | 1.75E-05 | 0.298 | 0.381 | 0.69 | 0.58 | -0.82 | 5.25E-02 | 0.327 | 0.377 | 0.80 | 0.66 | -0.98 | 0.74 | 1.63E-05 | HLA-DRB1(dist=33303), HLA-DQA1(dist=14267) | | intergenic |
| 6 | 32457488 | C | T | rs77256976 | 5.46E-05 | 0.550 | 0.484 | 0.77 | 0.65 | -0.9 | 2.37E-02 | 0.527 | 0.477 | 0.82 | 0.68 | -0.99 | 0.71 | 1.64E-05 | HLA-DRA(dist=44662), HLA-DRB5(dist=27666) | | intergenic |
| 6 | 32519262 | A | G | rs68017248 | 1.91E-02 | 0.342 | 0.306 | 0.85 | 0.71 | -1.01 | 5.35E-05 | 0.363 | 0.290 | 0.72 | 0.59 | -0.87 | 0.68 | 1.67E-05 | HLA-DRB5(dist=21256), HLA-DRB6(dist=1228) | | intergenic |
| 18 | 71384334 | C | A | rs7231509 | 1.09E-05 | 0.236 | 0.166 | 1.55 | 1.27 | -1.88 | 1.39E-01 | 0.227 | 0.212 | 1.09 | 0.87 | -1.36 | 1.51 | 1.67E-05 | LOC100505817(dist=367210), FBXO15(dist=356254) | | intergenic |
| 6 | 32494808 | C | G | rs112063507 | 3.26E-05 | 0.309 | 0.370 | 0.76 | 0.64 | -0.9 | 3.95E-02 | 0.409 | 0.454 | 0.83 | 0.69 | -1 | 0.69 | 1.68E-05 | HLA-DRB5 | | intronic |
| 6 | 32593612 | A | G | rs9271731 | 9.84E-06 | 0.415 | 0.334 | 0.71 | 0.6 | -0.84 | 6.81E-02 | 0.361 | 0.311 | 0.80 | 0.66 | -0.97 | 0.73 | 1.69E-05 | HLA-DRB1(dist=35999), HLA-DQA1(dist=11571) | | intergenic |
| 1 | 152930426 | C | T | rs6690549 | 2.74E-07 | 0.297 | 0.206 | 0.61 | 0.51 | -0.74 | 3.97E-01 | 0.239 | 0.228 | 0.94 | 0.75 | -1.17 | 0.71 | 1.69E-05 | IVL(dist=46064), SPRR4(dist=12703) | | intergenic |
| 4 | 14490738 | A | C | rs114977043 | 8.48E-06 | 0.063 | 0.031 | 2.08 | 1.45 | -3 | 3.31E-01 | 0.036 | 0.028 | 1.27 | 0.76 | -2.12 | 2.34 | 1.70E-05 | LINC00504 | | ncRNA_intronic |
| 6 | 32473628 | G | T | rs114313885 | 1.97E-05 | 0.300 | 0.369 | 0.73 | 0.61 | -0.87 | 5.02E-02 | 0.304 | 0.349 | 0.81 | 0.67 | -1 | 0.71 | 1.70E-05 | HLA-DRA(dist=60802), HLA-DRB5(dist=11526) | | intergenic |
| 6 | 32646861 | C | T | rs28755342 | 1.62E-02 | 0.224 | 0.263 | 0.81 | 0.67 | -0.98 | 5.25E-05 | 0.191 | 0.271 | 0.64 | 0.5 | -0.81 | 0.70 | 1.70E-05 | HLA-DQB1(dist=12395), HLA-DQA2(dist=62302) | | intergenic |
| 6 | 32590899 | G | T | rs9271586 | 1.86E-05 | 0.298 | 0.380 | 0.69 | 0.58 | -0.82 | 5.26E-02 | 0.327 | 0.377 | 0.80 | 0.66 | -0.98 | 0.74 | 1.71E-05 | HLA-DRB1(dist=33286), HLA-DQA1(dist=41284) | | intergenic |
| 1 | 112393413 | A | G | rs17028807;rs144214515 | 3.40E-02 | 0.126 | 0.100 | 0.76 | 0.59 | -0.98 | 4.56E-05 | 0.181 | 0.120 | 0.62 | 0.48 | -0.79 | 0.64 | 1.71E-05 | KCND3 | | intronic |
| 6 | 32456812 | A | G | rs78999765 | 1.67E-05 | 0.339 | 0.407 | 0.75 | 0.63 | -0.89 | 5.51E-02 | 0.407 | 0.451 | 0.84 | 0.69 | -1.01 | 0.71 | 1.71E-05 | HLA-DRA(dist=43986), HLA-DRB5(dist=28342) | | intergenic |
| 7 | 38050493 | C | T | rs62444562 | 2.82E-02 | 0.480 | 0.434 | 1.20 | 1.02 | -1.42 | 3.47E-05 | 0.530 | 0.432 | 1.48 | 1.23 | -1.79 | 1.32 | 1.71E-05 | EPDR1(dist=58951), STARD3NL(dist=167315) | | intergenic |
| 6 | 32646866 | C | A | rs28755343 | 1.63E-02 | 0.224 | 0.263 | 0.81 | 0.67 | -0.98 | 5.24E-05 | 0.191 | 0.271 | 0.64 | 0.5 | -0.81 | 0.70 | 1.71E-05 | HLA-DQB1(dist=12400), HLA-DQA2(dist=62297) | | intergenic |
| 21 | 16800087 | C | T | rs7278277 | 3.95E-05 | 0.557 | 0.473 | 0.71 | 0.61 | -0.84 | 5.73E-02 | 0.505 | 0.476 | 0.89 | 0.74 | -1.07 | 0.72 | 1.72E-05 | NRIP1(dist=362961), USP25(dist=302257) | | intergenic |
| 6 | 32591777 | G | T | rs386699512;rs9271620 | 1.86E-05 | 0.296 | 0.378 | 0.69 | 0.58 | -0.82 | 5.27E-02 | 0.327 | 0.377 | 0.80 | 0.66 | -0.98 | 0.74 | 1.73E-05 | HLA-DRB1(dist=34164), HLA-DQA1(dist=13406) | | intergenic |
| 7 | 9127934 | C | T | rs7809939 | 3.92E-05 | 0.385 | 0.472 | 1.43 | 1.21 | -1.69 | 6.90E-02 | 0.407 | 0.447 | 1.18 | 0.97 | -1.42 | 1.32 | 1.73E-05 | NXPH1(dist=335341), PER4(dist=545966) | | intergenic |
| 20 | 9722423 | G | A | rs8123945 | 1.54E-02 | 0.082 | 0.059 | 1.43 | 1.05 | -1.94 | 4.85E-05 | 0.093 | 0.059 | 1.62 | 1.17 | -2.25 | 1.91 | 1.73E-05 | PAK7 | | intronic |
| 6 | 32459079 | A | G | rs111794387 | 2.97E-05 | 0.355 | 0.415 | 0.78 | 0.66 | -0.92 | 3.57E-02 | 0.413 | 0.459 | 0.83 | 0.69 | -1 | 0.69 | 1.75E-05 | HLA-DRA(dist=46253), HLA-DRB5(dist=26075) | | intergenic |
| 6 | 32493456 | A | T | rs116427677 | 4.72E-05 | 0.081 | 0.123 | 0.63 | 0.47 | -0.84 | 2.30E-02 | 0.109 | 0.142 | 0.74 | 0.55 | -0.99 | 0.58 | 1.75E-05 | HLA-DRB5 | | intronic |
| 6 | 32481806 | A | T | rs184528465 | 1.74E-05 | 0.365 | 0.301 | 0.75 | 0.63 | -0.89 | 4.89E-02 | 0.297 | 0.257 | 0.82 | 0.67 | -1.01 | 0.68 | 1.76E-05 | HLA-DRA(dist=68980), HLA-DRB5(dist=3348) | | intergenic |
| 6 | 32533785 | A | G | rs79498062 | 4.41E-05 | 0.311 | 0.250 | 0.74 | 0.62 | -0.88 | 2.68E-02 | 0.255 | 0.216 | 0.80 | 0.65 | -1 | 0.68 | 1.79E-05 | HLA-DRB6(dist=6006), HLA-DRB1(dist=12762) | | intergenic |
| 13 | 108021464 | G | T | rs9587364 | 1.54E-05 | 0.471 | 0.410 | 1.28 | 1.09 | -1.51 | 7.38E-01 | 0.439 | 0.427 | 1.05 | 0.87 | -1.27 | 1.62 | 1.79E-05 | FAM155A | | intronic |
| 19 | 6442842 | G | T | rs111736649 | 1.67E-05 | 0.090 | 0.053 | 1.77 | 1.31 | -2.39 | 6.51E-01 | 0.071 | 0.081 | 0.86 | 0.6 | -1.24 | 2.66 | 1.79E-05 | SLC25A23 | | intronic |
| 6 | 32634318 | C | A | rs3891176 | 4.62E-05 | 0.118 | 0.178 | 0.62 | 0.48 | -0.79 | 2.67E-02 | 0.149 | 0.192 | 0.74 | 0.57 | -0.96 | 0.68 | 1.79E-05 | HLA-DQB1 | | exonic |
| 6 | 32592112 | A | G | rs9271634 | 6.05E-06 | 0.423 | 0.341 | 0.71 | 0.6 | -0.83 | 9.35E-02 | 0.361 | 0.315 | 0.81 | 0.67 | -0.99 | 0.73 | 1.82E-05 | HLA-DRB1(dist=34499), HLA-DQA1(dist=13071) | | intergenic |
| 20 | 8169380 | A | G | rs6118093 | 5.16E-02 | 0.053 | 0.037 | 1.47 | 1.01 | -2.13 | 7.94E-06 | 0.074 | 0.036 | 2.13 | 1.47 | -3.08 | 2.07 | 1.83E-05 | PLCB1 | | intronic |
| 6 | 32526436 | G | A | rs67612510 | 1.17E-05 | 0.344 | 0.411 | 0.75 | 0.63 | -0.89 | 7.70E-02 | 0.374 | 0.415 | 0.84 | 0.7 | -1.02 | 0.69 | 1.83E-05 | HLA-DRB6 | | ncRNA_intronic |
| 6 | 32592775 | A | G | rs386699515;rs9271669;rs386699516 | 1.32E-05 | 0.407 | 0.328 | 0.71 | 0.6 | -0.84 | 6.39E-02 | 0.365 | 0.314 | 0.80 | 0.66 | -0.97 | 0.74 | 1.84E-05 | HLA-DRB1(dist=35162), HLA-DQA1(dist=12408) | | intergenic |
| 6 | 32646904 | T | C | rs28755344 | 1.84E-02 | 0.221 | 0.259 | 0.81 | 0.67 | -0.99 | 4.98E-05 | 0.190 | 0.269 | 0.64 | 0.5 | -0.81 | 0.70 | 1.84E-05 | HLA-DQB1(dist=12438), HLA-DQA2(dist=62259) | | intergenic |
| 6 | 32568595 | T | C | rs9270757 | 2.03E-02 | 0.409 | 0.368 | 0.84 | 0.71 | -1 | 3.94E-05 | 0.389 | 0.304 | 0.69 | 0.57 | -0.83 | 0.72 | 1.86E-05 | HLA-DRB1(dist=10982), HLA-DQA1(dist=36588) | | intergenic |
| 7 | 9127173 | T | C | rs7791718 | 4.95E-05 | 0.328 | 0.414 | 1.45 | 1.22 | -1.72 | 6.19E-02 | 0.344 | 0.380 | 1.17 | 0.96 | -1.42 | 1.34 | 1.88E-05 | NXPH1(dist=334580), PER4(dist=546727) | | intergenic |
| 18 | 71381383 | C | T | rs4243344 | 1.93E-05 | 0.228 | 0.161 | 1.54 | 1.26 | -1.88 | 1.12E-01 | 0.223 | 0.208 | 1.10 | 0.87 | -1.37 | 1.52 | 1.89E-05 | LOC100505817(dist=364259), FBXO15(dist=359205) | | intergenic |
| 16 | 84651252 | C | A | rs113495648 | 7.40E-01 | 0.053 | 0.054 | 0.98 | 0.68 | -1.41 | 1.84E-05 | 0.069 | 0.039 | 1.82 | 1.25 | -2.66 | 4.48 | 1.91E-05 | COTL1 | | intronic |
| 6 | 32592116 | C | G | rs9271635 | 6.39E-06 | 0.423 | 0.341 | 0.71 | 0.6 | -0.83 | 9.45E-02 | 0.361 | 0.315 | 0.81 | 0.67 | -0.99 | 0.73 | 1.92E-05 | HLA-DRB1(dist=34503), HLA-DQA1(dist=13067) | | intergenic |
| 6 | 32590953 | T | C | rs9271588 | 1.91E-05 | 0.298 | 0.380 | 0.69 | 0.58 | -0.82 | 5.73E-02 | 0.325 | 0.373 | 0.81 | 0.66 | -0.99 | 0.75 | 1.92E-05 | HLA-DRB1(dist=33340), HLA-DQA1(dist=14230) | | intergenic |
| 7 | 38043899 | C | T | rs10951544 | 3.22E-02 | 0.470 | 0.425 | 1.20 | 1.02 | -1.41 | 3.13E-05 | 0.525 | 0.426 | 1.49 | 1.24 | -1.8 | 1.32 | 1.93E-05 | EPDR1(dist=52357), STARD3NL(dist=173909) | | intergenic |
| 3 | 101611539 | C | T | rs74909121 | 6.05E-02 | 0.089 | 0.065 | 1.41 | 1.05 | -1.89 | 1.81E-05 | 0.128 | 0.078 | 1.74 | 1.3 | -2.31 | 1.70 | 1.93E-05 | NFKB1Z(dist=31670), LOC152225(dist=48164) | | intergenic |
| 6 | 32593519 | G | A | rs9271721 | 7.97E-06 | 0.422 | 0.341 | 0.71 | 0.6 | -0.84 | 8.30E-02 | 0.357 | 0.310 | 0.81 | 0.66 | -0.98 | 0.73 | 1.93E-05 | HLA-DRB1(dist=35906), HLA-DQA1(dist=11664) | | intergenic |
| 6 | 32473239 | A | C | rs148422675 | 1.54E-05 | 0.312 | 0.381 | 0.74 | 0.62 | -0.88 | 6.08E-02 | 0.376 | 0.419 | 0.84 | 0.69 | -1.01 | 0.71 | 1.94E-05 | HLA-DRA(dist=60413), HLA-DRB5(dist=11915) | | intergenic |
| 6 | 32473251 | C | T | rs150559620 | 1.98E-05 | 0.280 | 0.348 | 0.73 | 0.61 | -0.87 | 5.43E-02 | 0.336 | 0.381 | 0.82 | 0.68 | -1 | 0.71 | 1.94E-05 | HLA-DRA(dist=60425), HLA-DRB5(dist=11903) | | intergenic |
| 6 | 32484813 | G | A | rs144763551 | 7.43E-06 | 0.321 | 0.390 | 0.74 | 0.62 | -0.88 | 8.51E-02 | 0.374 | 0.414 | 0.84 | 0.7 | -1.02 | 0.71 | 1.94E-05 | HLA-DRB5 | | downstream |
| 5 | 84238028 | T | A | rs72766342 | 2.06E-05 | 0.093 | 0.044 | 2.21 | 1.63 | -3.01 | 8.24E-02 | 0.094 | 0.081 | 1.17 | 0.85 | -1.61 | 1.86 | 1.95E-05 | EDIL3(dist=557343), NBPF22P(dist=1340234) | | intergenic |
| 17 | 40543377 | C | T | rs114422057 | 2.46E-02 | 0.088 | 0.067 | 1.35 | 1 | -1.81 | 4.90E-05 | 0.099 | 0.052 | 2.00 | 1.45 | -2.76 | 1.74 | 1.95E-05 | STAT3(dist=2864), PTRF(dist=11090) | | intergenic |
| 6 | 32593199 | T | C | rs35545709;rs386699522;rs9271701 | 8.26E-06 | 0.430 | 0.350 | 0.71 | 0.6 | -0.84 | 8.33E-02 | 0.363 | 0.315 | 0.81 | 0.67 | -0.98 | 0.73 | 1.96E-05 | HLA-DRB1(dist=35586), HLA-DQA1(dist=11984) | | intergenic |
| 6 | 32526854 | G | A | rs28483671 | 2.36E-05 | 0.275 | 0.214 | 0.72 | 0.59 | -0.86 | 4.36E-02 | 0.214 | 0.179 | 0.80 | 0.64 | -1.01 | 0.67 | 1.97E-05 | HLA-DRB6 | | ncRNA_intronic |
| 6 | 32630349 | G | T | rs548767328 | 5.45E-05 | 0.097 | 0.150 | 0.61 | 0.47 | -0.8 | 3.00E-02 | 0.109 | 0.142 | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 12 | 16856959 | A | G | rs115931161 | 2.25E-05 | 0.103 | 0.074 | 1.43 | 1.09 | -1.89 | 2.63E-01 | 0.056 | 0.062 | 0.89 | 0.59 | -1.33 | 2.53 | 2.09E-05 | LMO3(dist=95811), SKP1P2(dist=284722) | intergenic |
| 6 | 32646396 | T | G | rs28755317 | 1.96E-02 | 0.190 | 0.228 | 0.80 | 0.65 | -0.98 | 5.11E-05 | 0.143 | 0.217 | 0.60 | 0.46 | -0.78 | 0.69 | 2.10E-05 | HLA-DQB1(dist=11930), HLA-DQA2(dist=62767) | intergenic |
| 6 | 32592588 | T | C | rs9271658 | 1.18E-05 | 0.409 | 0.328 | 0.71 | 0.6 | -0.83 | 7.65E-02 | 0.360 | 0.312 | 0.80 | 0.66 | -0.98 | 0.74 | 2.10E-05 | HLA-DRB1(dist=34975), HLA-DQA1(dist=12595) | intergenic |
| 7 | 38046029 | A | T | rs9639782 | 3.36E-02 | 0.470 | 0.425 | 1.20 | 1.02 | -1.41 | 3.26E-05 | 0.525 | 0.426 | 1.49 | 1.23 | -1.8 | 1.31 | 2.11E-05 | EPDR1(dist=54487), STARD3NL(dist=171779) | intergenic |
| 6 | 32595031 | A | T | rs1304390 | 1.06E-05 | 0.403 | 0.323 | 0.71 | 0.6 | -0.84 | 7.54E-02 | 0.358 | 0.309 | 0.80 | 0.66 | -0.98 | 0.73 | 2.11E-05 | HLA-DRB1(dist=37418), HLA-DQA1(dist=10152) | intergenic |
| 6 | 32502317 | G | A | rs78533241 | 1.33E-05 | 0.226 | 0.292 | 0.71 | 0.59 | -0.86 | 7.01E-02 | 0.246 | 0.286 | 0.81 | 0.65 | -1.01 | 0.70 | 2.12E-05 | HLA-DRB5(dist=4311), HLA-DRB6(dist=18173) | intergenic |
| 6 | 32632065 | C | T | rs9274310 | 5.27E-05 | 0.089 | 0.139 | 0.61 | 0.46 | -0.8 | 3.28E-02 | 0.102 | 0.133 | 0.74 | 0.54 | -1.01 | 0.62 | 2.12E-05 | HLA-DQB1 | intronic |
| 6 | 32474512 | T | A | rs114495017 | 1.19E-06 | 0.243 | 0.310 | 0.72 | 0.59 | -0.87 | 7.31E-02 | 0.306 | 0.347 | 0.83 | 0.68 | -1.02 | 0.70 | 2.13E-05 | HLA-DRA(dist=61686), HLA-DRB5(dist=10642) | intergenic |
| 16 | 24006879 | T | C | rs114744647 | 5.75E-01 | 0.029 | 0.026 | 1.12 | 0.68 | -1.83 | 2.05E-05 | 0.054 | 0.034 | 1.62 | 1.06 | -2.47 | 7.83 | 2.13E-05 | PRKCB | intronic |
| 6 | 32593198 | G | C | rs9271700;rs35545709;rs386699522 | 9.90E-06 | 0.428 | 0.348 | 0.71 | 0.6 | -0.84 | 8.06E-02 | 0.361 | 0.314 | 0.81 | 0.66 | -0.98 | 0.74 | 2.13E-05 | HLA-DRB1(dist=35585), HLA-DQA1(dist=11985) | intergenic |
| 6 | 32630348 | A | T | rs9274170 | 6.01E-05 | 0.098 | 0.151 | 0.61 | 0.47 | -0.8 | 3.04E-02 | 0.109 | 0.142 | 0.74 | 0.55 | -1 | 0.64 | 2.15E-05 | HLA-DQB1 | intronic |
| 7 | 38039137 | T | C | rs6953285 | 3.42E-02 | 0.475 | 0.430 | 1.20 | 1.02 | -1.41 | 3.14E-05 | 0.529 | 0.430 | 1.49 | 1.23 | -1.79 | 1.32 | 2.15E-05 | EPDR1(dist=47595), STARD3NL(dist=178671) | intergenic |
| 6 | 32492828 | T | C | rs187328263 | 4.48E-02 | 0.237 | 0.263 | 0.87 | 0.72 | -1.05 | 1.10E-05 | 0.227 | 0.302 | 0.68 | 0.54 | -0.84 | 0.67 | 2.16E-05 | HLA-DRB5 | intronic |
| 6 | 32457027 | A | T | rs79580861 | 3.79E-05 | 0.347 | 0.412 | 0.76 | 0.64 | -0.9 | 3.88E-02 | 0.389 | 0.437 | 0.82 | 0.68 | -0.99 | 0.71 | 2.18E-05 | HLA-DRA(dist=44201), HLA-DRB5(dist=28127) | intergenic |
| 6 | 32633282 | T | C | rs9274447 | 3.78E-05 | 0.118 | 0.179 | 0.62 | 0.48 | -0.79 | 3.85E-02 | 0.143 | 0.182 | 0.75 | 0.58 | -0.98 | 0.68 | 2.21E-05 | HLA-DQB1 | intronic |
| 17 | 36480674 | A | G | rs73984500 | 2.86E-05 | 0.066 | 0.038 | 1.81 | 1.28 | -2.56 | 7.05E-01 | 0.033 | 0.030 | 1.11 | 0.65 | -1.88 | 2.72 | 2.22E-05 | GPR179 | downstream |
| 4 | 117542664 | A | G | rs114165527 | 4.47E-05 | 0.088 | 0.059 | 1.53 | 1.14 | -2.06 | 6.99E-02 | 0.078 | 0.058 | 1.38 | 0.97 | -1.96 | 1.99 | 2.23E-05 | MIR1973(dist=321740), TRAM1L1(dist=462046) | intergenic |
| 12 | 3094597 | C | T | rs60885272 | 2.42E-05 | 0.272 | 0.225 | 1.29 | 1.07 | -1.55 | 1.20E-01 | 0.244 | 0.214 | 1.19 | 0.96 | -1.48 | 1.53 | 2.24E-05 | TEAD4 | intronic |
| 6 | 32473220 | G | T | rs112696783;rs201721454 | 8.60E-06 | 0.316 | 0.387 | 0.73 | 0.62 | -0.87 | 8.87E-02 | 0.390 | 0.431 | 0.84 | 0.7 | -1.02 | 0.71 | 2.25E-05 | HLA-DRA(dist=60394), HLA-DRB5(dist=11934) | intergenic |
| 6 | 32473636 | A | T | rs114666889 | 5.32E-05 | 0.290 | 0.356 | 0.74 | 0.62 | -0.89 | 3.40E-02 | 0.296 | 0.343 | 0.80 | 0.65 | -0.99 | 0.71 | 2.27E-05 | HLA-DRA(dist=60810), HLA-DRB5(dist=11518) | intergenic |
| 6 | 32633231 | G | C | rs9274442 | 4.33E-05 | 0.120 | 0.180 | 0.62 | 0.49 | -0.79 | 3.66E-02 | 0.143 | 0.182 | 0.75 | 0.57 | -0.98 | 0.68 | 2.27E-05 | HLA-DQB1 | intronic |
| 6 | 32592567 | G | A | rs9271655 | 1.16E-05 | 0.415 | 0.334 | 0.71 | 0.6 | -0.84 | 8.25E-02 | 0.367 | 0.319 | 0.81 | 0.67 | -0.98 | 0.74 | 2.30E-05 | HLA-DRB1(dist=34954), HLA-DQA1(dist=12616) | intergenic |
| 19 | 45199524 | C | T | rs73035597 | 2.16E-05 | 0.131 | 0.085 | 1.62 | 1.26 | -2.09 | 8.51E-01 | 0.120 | 0.127 | 1.94 | 0.77 | -1.25 | 2.18 | 2.31E-05 | CEACAM19(dist=11897), CEACAM16(dist=2897) | intergenic |
| 6 | 32632113 | C | T | rs4538746 | 2.61E-05 | 0.399 | 0.328 | 0.73 | 0.62 | -0.87 | 4.40E-02 | 0.354 | 0.311 | 0.83 | 0.68 | -1 | 0.72 | 2.31E-05 | HLA-DQB1 | intronic |
| 2 | 211847236 | C | A | rs114943691 | 6.00E-05 | 0.047 | 0.026 | 1.86 | 1.23 | -2.82 | 7.18E-02 | 0.037 | 0.026 | 1.41 | 0.85 | -2.34 | 2.85 | 2.33E-05 | CPS1(dist=303404), ERBB4(dist=393206) | intergenic |
| 17 | 36415297 | C | A | rs181566537 | 3.03E-05 | 0.055 | 0.031 | 1.78 | 1.21 | -2.6 | 4.82E-01 | 0.024 | 0.021 | 1.18 | 0.64 | -2.18 | 3.44 | 2.35E-05 | LOC440434(dist=2041), MRPL45(dist=37692) | intergenic |
| 20 | 8163666 | G | T | rs6039073 | 6.18E-02 | 0.053 | 0.038 | 1.44 | 0.99 | -2.09 | 6.90E-06 | 0.074 | 0.036 | 2.12 | 1.46 | -3.06 | 2.06 | 2.35E-05 | PLCB1 | intronic |
| 2 | 211843253 | G | C | rs146535817 | 6.09E-05 | 0.047 | 0.028 | 1.86 | 1.23 | -2.81 | 7.19E-02 | 0.037 | 0.026 | 1.41 | 0.85 | -2.34 | 2.85 | 2.36E-05 | PCP1(dist=299421), ERBB4(dist=397189) | intergenic |
| 19 | 56283680 | T | C | rs7245975 | 2.22E-05 | 0.349 | 0.279 | 0.72 | 0.61 | -0.86 | 8.24E-01 | 0.356 | 0.367 | 1.05 | 0.86 | -1.27 | 0.57 | 2.38E-05 | RFP44L1 | intronic |
| 6 | 32473641 | A | G | rs115214341 | 3.77E-05 | 0.301 | 0.367 | 0.74 | 0.62 | -0.89 | 4.50E-02 | 0.343 | 0.387 | 0.82 | 0.68 | -1 | 0.71 | 2.39E-05 | HLA-DRA(dist=60815), HLA-DRB5(dist=11513) | intergenic |
| 7 | 64516780 | G | T | rs11771328 | 3.18E-05 | 0.235 | 0.181 | 0.72 | 0.59 | -0.87 | 1.10E-01 | 0.208 | 0.172 | 0.80 | 0.63 | -1 | 0.68 | 2.40E-05 | CCT6P3 | ncRNA_intronic |
| 6 | 32546782 | G | A | rs116358897 | 4.74E-05 | 0.065 | 0.102 | 0.61 | 0.44 | -0.84 | 3.06E-02 | 0.095 | 0.126 | 0.73 | 0.53 | -1 | 0.57 | 2.40E-05 | HLA-DRB1 | UTR3 |
| 18 | 59252440 | C | T | rs4941031 | 3.66E-05 | 0.332 | 0.410 | 0.72 | 0.6 | -0.85 | 8.84E-02 | 0.392 | 0.434 | 0.84 | 0.69 | -1.02 | 0.75 | 2.40E-05 | CDH20(dist=30075), LINC01544(dist=162969) | intergenic |
| 9 | 88567760 | T | C | rs13296057 | 5.94E-06 | 0.048 | 0.022 | 2.22 | 1.46 | -3.37 | 1.44E-01 | 0.042 | 0.038 | 1.12 | 0.7 | -1.78 | 3.07 | 2.43E-05 | NAA35 | intronic |
| 6 | 32594061 | A | G | rs9271763 | 2.67E-05 | 0.280 | 0.358 | 0.70 | 0.58 | -0.84 | 5.24E-02 | 0.327 | 0.376 | 0.80 | 0.66 | -0.98 | 0.74 | 2.47E-05 | HLA-DRB1(dist=36448), HLA-DQA1(dist=11122) | intergenic |
| 6 | 32473705 | G | A | rs147438709 | 2.77E-05 | 0.283 | 0.350 | 0.73 | 0.61 | -0.87 | 5.44E-02 | 0.315 | 0.362 | 0.81 | 0.67 | -0.99 | 0.72 | 2.49E-05 | HLA-DRA(dist=60879), HLA-DRB5(dist=11449) | intergenic |
| 6 | 32456371 | A | C | rs78391724 | 2.00E-05 | 0.328 | 0.394 | 0.75 | 0.63 | -0.89 | 6.33E-02 | 0.389 | 0.432 | 0.84 | 0.69 | -1.01 | 0.71 | 2.51E-05 | HLA-DRA(dist=43545), HLA-DRB5(dist=28783) | intergenic |
| 6 | 32630400 | A | G | rs200725664;rs9274175;rs148939946 | 3.71E-05 | 0.089 | 0.141 | 0.59 | 0.45 | -0.78 | 5.26E-02 | 0.099 | 0.126 | 0.76 | 0.56 | -1.04 | 0.63 | 2.52E-05 | HLA-DQB1 | intronic |
| 3 | 142581313 | T | C | rs6810386 | 2.75E-05 | 0.364 | 0.295 | 1.36 | 1.15 | -1.62 | 1.21E-01 | 0.325 | 0.281 | 1.24 | 1.01 | -1.51 | 1.35 | 2.52E-05 | PCOLCE2 | intronic |
| 17 | 74860376 | A | G | rs8071900 | 1.94E-05 | 0.514 | 0.431 | 1.40 | 1.19 | -1.65 | 2.51E-01 | 0.483 | 0.461 | 1.09 | 0.91 | -1.32 | 1.36 | 2.52E-05 | LOC101928514(dist=57192), MGAT5B(dist=4422) | intergenic |
| 6 | 32630741 | C | T | rs17843717 | 1.68E-05 | 0.104 | 0.162 | 0.60 | 0.46 | -0.78 | 6.62E-02 | 0.135 | 0.165 | 0.79 | 0.6 | -1.04 | 0.66 | 2.53E-05 | HLA-DQB1 | intronic |
| 4 | 123851151 | A | C | rs17006333 | 2.98E-05 | 0.086 | 0.049 | 1.81 | 1.33 | -2.46 | 1.37E-01 | 0.058 | 0.042 | 1.39 | 0.93 | -2.08 | 1.87 | 2.54E-05 | SPATA5 | intronic |
| 18 | 52340837 | G | A | rs112101598 | 9.13E-02 | 0.100 | 0.086 | 1.18 | 0.89 | -1.55 | 1.20E-06 | 0.121 | 0.067 | 1.92 | 1.43 | -2.57 | 1.69 | 2.54E-05 | DYNAP(dist=74113), RAB27B(dist=154871) | intergenic |
| 19 | 52767873 | G | A | rs117893720 | 1.42E-01 | 0.040 | 0.031 | 1.33 | 0.87 | -2.04 | 3.81E-07 | 0.061 | 0.028 | 2.23 | 1.49 | -3.35 | 2.47 | 2.55E-05 | PPP2R1A(dist=38195), ZNF766(dist=4951) | intergenic |
| 3 | 188491591 | G | A | rs112350477 | 2.47E-05 | 0.039 | 0.021 | 1.85 | 1.18 | -2.9 | 6.24E-01 | 0.021 | 0.023 | 0.93 | 0.49 | -1.78 | 5.79 | 2.58E-05 | LPP | intronic |
| 6 | 32628960 | T | C | rs2515895 | 1.97E-05 | 0.123 | 0.187 | 0.61 | 0.48 | -0.77 | 6.83E-02 | 0.146 | 0.181 | 0.77 | 0.59 | -1 | 0.69 | 2.59E-05 | HLA-DQB1 | intronic |
| 6 | 32505798 | A | G | rs72853909 | 2.12E-05 | 0.265 | 0.332 | 0.72 | 0.6 | -0.87 | 6.54E-02 | 0.295 | 0.338 | 0.82 | 0.67 | -1 | 0.71 | 2.59E-05 | HLA-DRB5(dist=7792), HLA-DRB6(dist=14692) | intergenic |
| 3 | 101613368 | T | C | rs797441579 | 1.15E-01 | 0.114 | 0.090 | 1.30 | 1 | -1.69 | 4.39E-06 | 0.164 | 0.106 | 1.66 | 1.28 | -2.14 | 1.59 | 2.61E-05 | NFKB1Z(dist=33499), LOC152225(dist=46335) | intergenic |
| 14 | 99844373 | A | G | rs6575716 | 1.70E-05 | 0.125 | 0.189 | 1.63 | 1.28 | -2.07 | 4.73E-01 | 0.184 | 0.175 | 0.95 | 0.74 | -1.2 | 1.60 | 2.62E-05 | BCL11B(dist=106323), SETD3(dist=19710) | intergenic |
| 19 | 54923694 | C | T | rs112338949 | 4.89E-05 | 0.123 | 0.083 | 1.55 | 1.2 | -2.01 | 8.05E-02 | 0.108 | 0.093 | 1.17 | 0.86 | -1.58 | 1.87 | 2.65E-05 | LAIR1(dist=41531), TTYH1(dist=2911) | intergenic |
| 3 | 101599433 | C | T | rs12495371 | 8.30E-02 | 0.106 | 0.082 | 1.32 | 1.01 | -1.73 | 1.22E-05 | 0.150 | 0.097 | 1.65 | 1.26 | -2.15 | 1.62 | 2.69E-05 | NFKB1Z(dist=19564), LOC152225(dist=60270) | intergenic |
| 4 | 123857092 | T | G | rs77917118 | 2.89E-05 | 0.086 | 0.049 | 1.81 | 1.33 | -2.46 | 1.46E-01 | 0.058 | 0.042 | 1.38 | 0.92 | -2.07 | 1.87 | 2.70E-05 | SPATA5 | intronic |
| 18 | 3585353 | T | G | rs115702622 | 2.43E-05 | 0.060 | 0.038 | 1.59 | 1.11 | -2.27 | 2.21E-01 | 0.026 | 0.033 | 0.81 | 0.45 | -1.44 | 3.80 | 2.73E-05 | DLGAP1 | intronic |
| 1 | 112396411 | G | A | rs1777659 | 6.24E-02 | 0.125 | 0.101 | 1.28 | 0.99 | -1.64 | 1.82E-05 | 0.187 | 0.126 | 1.59 | 1.25 | -2.03 | 1.54 | 2.74E-05 | KCNND3-IT1 | ncRNA_exonic |
| 6 | 32604898 | G | A | rs9272400 | 8.37E-06 | 0.542 | 0.458 | 0.71 | 0.61 | -0.84 | 1.00E-01 | 0.451 | 0.494 | 0.84 | 0.7 | -1.02 | 0.74 | 2.79E-05 | HLA-DQA1 | upstream |
| 7 | 153922382 | G | A | rs73487458 | 5.22E-06 | 0.129 | 0.083 | 1.64 | 1.27 | -2.11 | 3.39E-01 | 0.106 | 0.091 | 1.19 | 0.87 | -1.61 | 1.69 | 2.80E-05 | DPP6 | intronic |
| 6 | 32592200 | T | C | rs9271640 | 1.56E-05 | 0.412 | 0.334 | 0.72 | 0.61 | -0.85 | 8.11E-02 | 0.3 | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 16 | 58183435 | G | C | rs35682784 | 1.32E-01 | 0.044 | 0.031 | 1.44 | 0.96 | -2.17 | 7.93E-06 | 0.094 | 0.058 | 1.66 | 1.2 | -2.31 | 2.12 | 3.03E-05 | CFAP20(dist=20139), CSNK2A2(dist=8377) | intergenic |
| 6 | 32506893 | T | C | rs73395507 | 2.05E-05 | 0.272 | 0.337 | 0.73 | 0.61 | -0.88 | 7.23E-02 | 0.297 | 0.340 | 0.82 | 0.67 | -1.01 | 0.71 | 3.08E-05 | HLA-DRB5(dist=8887), HLA-DRB6(dist=13597) | intergenic |
| 7 | 9128646 | T | C | rs35741650 | 4.99E-05 | 0.407 | 0.492 | 1.41 | 1.2 | -1.67 | 9.10E-02 | 0.426 | 0.462 | 1.16 | 0.96 | -1.4 | 1.32 | 3.10E-05 | NXPH1(dist=336053), PER4(dist=545254) | intergenic |
| 13 | 105292626 | A | T | rs616846;rs368531243 | 2.71E-05 | 0.212 | 0.170 | 0.76 | 0.62 | -0.93 | 9.98E-01 | 0.166 | 0.161 | 0.96 | 0.75 | -1.24 | 0.55 | 3.13E-05 | LINC01309(dist=1212591), DAOA-AS1(dist=818780) | intergenic |
| 3 | 101608358 | T | C | rs74458302 | 5.52E-02 | 0.128 | 0.098 | 1.35 | 1.05 | -1.74 | 3.84E-05 | 0.170 | 0.116 | 1.55 | 1.21 | -2 | 1.55 | 3.13E-05 | NFKBIZ(dist=28489), LOC152225(dist=51345) | intergenic |
| 6 | 32481804 | A | T | rs180799257 | 3.72E-05 | 0.360 | 0.299 | 0.76 | 0.64 | -0.9 | 5.00E-02 | 0.299 | 0.260 | 0.82 | 0.67 | -1.01 | 0.69 | 3.14E-05 | HLA-DRA(dist=68978), HLA-DRB5(dist=3350) | intergenic |
| 1 | 9333666 | T | C | rs116059626 | 2.34E-05 | 0.042 | 0.022 | 1.91 | 1.23 | -2.95 | 7.63E-01 | 0.020 | 0.020 | 1.00 | 0.52 | -1.95 | 4.60 | 3.16E-05 | H6PD(dist=2272), SPSB1(dist=19275) | intergenic |
| 6 | 32592656 | T | C | rs9271664 | 3.20E-05 | 0.411 | 0.333 | 0.71 | 0.6 | -0.84 | 7.87E-02 | 0.360 | 0.312 | 0.81 | 0.66 | -0.98 | 0.74 | 3.19E-05 | HLA-DRB1(dist=35043), HLA-DQA1(dist=12527) | intergenic |
| 6 | 32473866 | A | T | rs74696032;rs201832615 | 2.90E-06 | 0.382 | 0.456 | 0.74 | 0.62 | -0.87 | 1.92E-01 | 0.450 | 0.483 | 0.87 | 0.72 | -1.05 | 0.71 | 3.19E-05 | HLA-DRA(dist=61040), HLA-DRB5(dist=11288) | intergenic |
| 20 | 8158584 | C | T | rs116731084 | 7.57E-02 | 0.053 | 0.038 | 1.41 | 0.97 | -2.05 | 6.09E-06 | 0.074 | 0.037 | 2.11 | 1.46 | -3.05 | 2.04 | 3.19E-05 | PLCB1 | intronic |
| 7 | 38028548 | C | T | rs10234987 | 3.49E-02 | 0.474 | 0.429 | 1.20 | 1.02 | -1.41 | 5.43E-05 | 0.522 | 0.428 | 1.46 | 1.21 | -1.77 | 1.31 | 3.20E-05 | EPDR1(dist=37006), STARD3NL(dist=189260) | intergenic |
| 6 | 32621966 | A | G | rs17613340 | 3.32E-02 | 0.172 | 0.202 | 0.82 | 0.66 | -1.02 | 3.63E-05 | 0.130 | 0.203 | 0.59 | 0.45 | -0.77 | 0.68 | 3.22E-05 | HLA-DQA1(dist=10537), HLA-DQB1(dist=5275) | intergenic |
| 7 | 38057364 | G | T | rs9691201 | 4.27E-02 | 0.468 | 0.425 | 1.19 | 1.01 | -1.4 | 3.79E-05 | 0.524 | 0.426 | 1.48 | 1.23 | -1.79 | 1.31 | 3.27E-05 | EPDR1(dist=65822), STARD3NL(dist=160444) | intergenic |
| 6 | 32460533 | A | T | rs77089552 | 4.23E-05 | 0.328 | 0.396 | 0.75 | 0.63 | -0.89 | 5.59E-02 | 0.371 | 0.414 | 0.83 | 0.69 | -1.01 | 0.72 | 3.32E-05 | HLA-DRA(dist=47707), HLA-DRB5(dist=24621) | intergenic |
| 14 | 107260733 | G | A | rs2105992 | 4.48E-01 | 0.050 | 0.039 | 1.28 | 0.88 | -1.88 | 1.02E-08 | 0.094 | 0.058 | 1.69 | 1.22 | -2.34 | 2.31 | 3.35E-05 | MIR5195(dist=1519), NONE(dist=NONE) | intergenic |
| 2 | 220920352 | A | G | rs73078867 | 3.90E-02 | 0.063 | 0.051 | 1.26 | 0.89 | -1.77 | 5.88E-05 | 0.080 | 0.044 | 1.90 | 1.33 | -2.71 | 2.01 | 3.36E-05 | MIR4268(dist=149066), EPHA4(dist=1362395) | intergenic |
| 3 | 132919822 | A | G | rs79707476 | 6.64E-06 | 0.079 | 0.043 | 1.89 | 1.37 | -2.61 | 3.27E-01 | 0.051 | 0.039 | 1.33 | 0.87 | -2.05 | 1.92 | 3.42E-05 | TMEM108 | intronic |
| 6 | 32546914 | C | T | rs181125806 | 4.48E-05 | 0.072 | 0.113 | 0.61 | 0.45 | -0.83 | 4.68E-02 | 0.101 | 0.130 | 0.75 | 0.55 | -1.02 | 0.59 | 3.43E-05 | HLA-DRB1 | intronic |
| 6 | 32546761 | G | A | rs113734598 | 6.18E-05 | 0.065 | 0.101 | 0.62 | 0.45 | -0.85 | 3.50E-02 | 0.096 | 0.127 | 0.73 | 0.54 | -1.01 | 0.58 | 3.43E-05 | HLA-DRB1 | UTR3 |
| 3 | 132932731 | T | C | rs77383862 | 7.79E-06 | 0.079 | 0.044 | 1.87 | 1.35 | -2.57 | 3.10E-01 | 0.051 | 0.039 | 1.34 | 0.87 | -2.05 | 1.92 | 3.47E-05 | TMEM108 | intronic |
| 6 | 32455235 | G | C | rs113081153 | 1.31E-06 | 0.343 | 0.419 | 0.73 | 0.61 | -0.86 | 2.98E-01 | 0.366 | 0.396 | 0.88 | 0.72 | -1.07 | 0.71 | 3.47E-05 | HLA-DRA(dist=42409), HLA-DRB5(dist=29919) | intergenic |
| 1 | 112391401 | C | T | rs580183 | 5.69E-02 | 0.127 | 0.102 | 1.29 | 1 | -1.65 | 3.31E-05 | 0.185 | 0.125 | 1.58 | 1.24 | -2.02 | 1.53 | 3.49E-05 | KCND3 | intronic |
| 6 | 32478208 | A | T | rs193065325 | 5.26E-07 | 0.430 | 0.508 | 0.73 | 0.62 | -0.86 | 3.45E-01 | 0.516 | 0.492 | 0.91 | 0.75 | -1.09 | 0.70 | 3.53E-05 | HLA-DRA(dist=65382), HLA-DRB5(dist=6946) | intergenic |
| 3 | 132922820 | G | A | rs116318124 | 6.77E-06 | 0.079 | 0.043 | 1.89 | 1.36 | -2.6 | 3.30E-01 | 0.051 | 0.039 | 1.33 | 0.86 | -2.05 | 1.92 | 3.53E-05 | TMEM108 | intronic |
| 2 | 240476495 | G | A | rs79447370 | 3.19E-05 | 0.106 | 0.071 | 1.55 | 1.18 | -2.04 | 4.35E-01 | 0.060 | 0.054 | 1.11 | 0.75 | -1.65 | 2.26 | 3.55E-05 | HDAC4(dist=153852), LOC150935(dist=208059) | intergenic |
| 4 | 8214636 | T | C | rs1712287 | 3.61E-05 | 0.304 | 0.253 | 0.77 | 0.65 | -0.93 | 2.62E-03 | 0.241 | 0.207 | 0.82 | 0.66 | -1.03 | 0.61 | 3.56E-05 | SH3TC1 | intronic |
| 6 | 32487474 | G | A | rs189049184 | 1.47E-05 | 0.345 | 0.281 | 0.74 | 0.62 | -0.88 | 8.51E-02 | 0.263 | 0.230 | 0.84 | 0.68 | -1.04 | 0.68 | 3.57E-05 | HLA-DRB5 | intronic |
| 1 | 117122887 | T | C | rs2284860 | 1.08E-05 | 0.085 | 0.045 | 1.99 | 1.45 | -2.72 | 9.54E-02 | 0.103 | 0.089 | 1.18 | 0.87 | -1.61 | 1.89 | 3.57E-05 | IGSF3 | intronic |
| 10 | 61801020 | T | C | rs2393576 | 7.49E-06 | 0.159 | 0.095 | 1.80 | 1.43 | -2.28 | 1.83E-01 | 0.151 | 0.138 | 1.11 | 0.86 | -1.45 | 1.57 | 3.57E-05 | ANK3 | intronic |
| 6 | 32629227 | C | T | rs9273660 | 4.81E-05 | 0.118 | 0.177 | 0.62 | 0.49 | -0.79 | 5.66E-02 | 0.132 | 0.166 | 0.76 | 0.58 | -1 | 0.68 | 3.58E-05 | HLA-DQB1 | exonic |
| 20 | 9729000 | G | A | rs139913197 | 3.35E-02 | 0.063 | 0.051 | 1.23 | 0.88 | -1.74 | 6.26E-05 | 0.071 | 0.041 | 1.77 | 1.22 | -2.57 | 2.35 | 3.58E-05 | PAK7 | intronic |
| 6 | 32499244 | C | A | rs138961230 | 1.02E-05 | 0.312 | 0.384 | 0.73 | 0.61 | -0.86 | 1.23E-01 | 0.357 | 0.395 | 0.85 | 0.7 | -1.03 | 0.72 | 3.59E-05 | HLA-DRB5(dist=1238), HLA-DRB6(dist=21246) | intergenic |
| 6 | 32641247 | A | T | rs9274904 | 4.27E-02 | 0.138 | 0.163 | 0.82 | 0.65 | -1.04 | 2.96E-05 | 0.098 | 0.163 | 0.56 | 0.41 | -0.76 | 0.65 | 3.59E-05 | HLA-DQB1(dist=6781), HLA-DQA2(dist=67916) | intergenic |
| 1 | 6489576 | C | T | rs4071579 | 4.77E-06 | 0.542 | 0.440 | 0.66 | 0.56 | -0.78 | 2.82E-01 | 0.487 | 0.490 | 0.99 | 0.82 | -1.19 | 0.75 | 3.59E-05 | ESPN | intronic |
| 3 | 132924938 | A | G | rs115580783 | 6.84E-06 | 0.079 | 0.043 | 1.88 | 1.36 | -2.6 | 3.32E-01 | 0.051 | 0.039 | 1.33 | 0.86 | -2.04 | 1.92 | 3.62E-05 | TMEM108 | intronic |
| 6 | 32480196 | A | T | rs116019661 | 2.37E-05 | 0.163 | 0.216 | 0.71 | 0.57 | -0.88 | 8.71E-02 | 0.162 | 0.192 | 0.81 | 0.63 | -1.05 | 0.65 | 3.62E-05 | HLA-DRA(dist=67370), HLA-DRB5(dist=4958) | intergenic |
| 3 | 132925052 | A | G | rs150671281 | 6.85E-06 | 0.079 | 0.043 | 1.88 | 1.36 | -2.6 | 3.32E-01 | 0.051 | 0.039 | 1.33 | 0.86 | -2.04 | 1.92 | 3.63E-05 | TMEM108 | intronic |
| 6 | 32473832 | C | T | rs77932560 | 1.20E-05 | 0.297 | 0.365 | 0.73 | 0.61 | -0.87 | 1.19E-01 | 0.373 | 0.414 | 0.84 | 0.69 | -1.02 | 0.71 | 3.63E-05 | HLA-DRA(dist=61006), HLA-DRB5(dist=11322) | intergenic |
| 1 | 185428796 | T | C | rs80323592 | 2.72E-05 | 0.076 | 0.052 | 1.50 | 1.09 | -2.06 | 4.15E-01 | 0.069 | 0.060 | 1.15 | 0.8 | -1.67 | 3.25 | 3.65E-05 | GS1-279B7.1(dist=124625), LINC01350(dist=98716) | intergenic |
| 3 | 132928096 | A | G | rs74393908 | 6.93E-06 | 0.079 | 0.043 | 1.88 | 1.36 | -2.6 | 3.33E-01 | 0.051 | 0.039 | 1.33 | 0.86 | -2.04 | 1.92 | 3.68E-05 | TMEM108 | intronic |
| 6 | 32456203 | C | A | rs79941351 | 1.31E-05 | 0.339 | 0.405 | 0.76 | 0.64 | -0.9 | 1.02E-01 | 0.378 | 0.416 | 0.85 | 0.7 | -1.03 | 0.71 | 3.71E-05 | HLA-DRA(dist=43377), HLA-DRB5(dist=28951) | intergenic |
| 3 | 132932797 | C | G | rs80107304 | 7.00E-06 | 0.079 | 0.043 | 1.88 | 1.36 | -2.6 | 3.34E-01 | 0.051 | 0.039 | 1.33 | 0.86 | -2.04 | 1.91 | 3.74E-05 | TMEM108 | intronic |
| 1 | 112397189 | G | A | rs650029 | 7.43E-02 | 0.124 | 0.101 | 1.26 | 0.98 | -1.63 | 2.03E-05 | 0.187 | 0.127 | 1.58 | 1.24 | -2.02 | 1.53 | 3.75E-05 | KCND3-IT1 | ncRNA_intronic |
| 6 | 32473216 | G | A | rs115667641 | 2.58E-05 | 0.326 | 0.393 | 0.75 | 0.63 | -0.89 | 7.53E-02 | 0.391 | 0.430 | 0.85 | 0.7 | -1.03 | 0.71 | 3.75E-05 | HLA-DRA(dist=60390), HLA-DRB5(dist=11938) | intergenic |
| 3 | 132935561 | A | T | rs78667561 | 7.03E-06 | 0.079 | 0.043 | 1.88 | 1.36 | -2.6 | 3.35E-01 | 0.051 | 0.039 | 1.33 | 0.86 | -2.04 | 1.91 | 3.76E-05 | TMEM108 | intronic |
| 7 | 38032328 | G | T | rs1376262 | 4.09E-02 | 0.500 | 0.453 | 1.21 | 1.03 | -1.42 | 4.46E-05 | 0.574 | 0.480 | 1.46 | 1.21 | -1.76 | 1.30 | 3.77E-05 | EPDR1(dist=40786), STARD3NL(dist=185480) | intergenic |
| 3 | 132947840 | G | C | rs4293703 | 7.03E-06 | 0.079 | 0.043 | 1.88 | 1.36 | -2.6 | 3.36E-01 | 0.051 | 0.039 | 1.33 | 0.86 | -2.04 | 1.91 | 3.78E-05 | TMEM108 | intronic |
| 3 | 132943566 | G | A | rs57191086 | 7.04E-06 | 0.079 | 0.043 | 1.88 | 1.36 | -2.6 | 3.36E-01 | 0.051 | 0.039 | 1.33 | 0.86 | -2.04 | 1.91 | 3.79E-05 | TMEM108 | intronic |
| 6 | 32469491 | T | G | rs75238419 | 3.73E-05 | 0.277 | 0.341 | 0.74 | 0.62 | -0.89 | 6.10E-02 | 0.315 | 0.360 | 0.82 | 0.67 | -1 | 0.72 | 3.80E-05 | HLA-DRA(dist=56665), HLA-DRB5(dist=15663) | intergenic |
| 6 | 32478205 | G | A | rs189778682 | 1.50E-07 | 0.361 | 0.441 | 0.71 | 0.6 | -0.85 | 5.10E-01 | 0.415 | 0.434 | 0.93 | 0.77 | -1.12 | 0.70 | 3.86E-05 | HLA-DRA(dist=65379), HLA-DRB5(dist=6949) | intergenic |
| 6 | 32594248 | G | A | rs9271770 | 7.31E-06 | 0.417 | 0.334 | 0.70 | 0.59 | -0.83 | 1.50E-01 | 0.362 | 0.320 | 0.83 | 0.68 | -1.01 | 0.75 | 3.93E-05 | HLA-DRB1(dist=36635), HLA-DQA1(dist=10935) | intergenic |
| 6 | 32594275 | G | A | rs9271772 | 6.09E-06 | 0.426 | 0.343 | 0.70 | 0.6 | -0.83 | 1.59E-01 | 0.363 | 0.322 | 0.83 | 0.68 | -1.01 | 0.75 | 3.94E-05 | HLA-DRB1(dist=36662), HLA-DQA1(dist=10908) | intergenic |
| 6 | 42085225 | C | T | rs4579355 | 2.87E-05 | 0.332 | 0.409 | 1.39 | 1.17 | -1.65 | 7.91E-02 | 0.351 | 0.397 | 1.22 | 1 | -1.48 | 1.33 | 3.94E-05 | C6orf132 | intronic |
| 6 | 32473259 | G | C | rs140656634 | 2.94E-05 | 0.305 | 0.371 | 0.74 | 0.62 | -0.89 | 7.62E-02 | 0.358 | 0.398 | 0.84 | 0.69 | -1.02 | 0.72 | 3.95E-05 | HLA-DRA(dist=60433), HLA-DRB5(dist=11895) | intergenic |
| 6 | 32482971 | C | T | rs183924027 | 5.87E-06 | 0.337 | 0.411 | 0.73 | 0.61 | -0.86 | 1.86E-01 | 0.420 | 0.449 | 0.89 | 0.74 | -1.07 | 0.71 | 3.96E-05 | HLA-DRA(dist=70145), HLA-DRB5(dist=2183) | intergenic |
| 17 | 40494457 | C | T | rs17879513 | 5.33E-02 | 0.084 | 0.066 | 1.30 | 0.96 | -1.75 | 2.39E-05 | 0.099 | 0.051 | 2.04 | 1.47 | -2.81 | 1.72 | 4.00E-05 | STAT3 | intronic |
| 1 | 108230399 | C | T | rs2494055 | 3.39E-05 | 0.127 | 0.077 | 0.58 | 0.45 | -0.75 | 1.27E-01 | 0.126 | 0.10 | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32415109 | T | G | rs3135387 | 4.35E-05 | 0.384 | 0.306 | 0.71 | 0.6 | -0.84 | 6.70E-02 | 0.350 | 0.304 | 0.81 | 0.67 | -0.99 | 0.75 | 4.43E-05 | HLA-DRA(dist=2283), HLA-DRB5(dist=70045) | intergenic |
| 6 | 32472509 | C | T | rs79217712 | 1.83E-05 | 0.133 | 0.186 | 0.67 | 0.53 | -0.85 | 7.83E-03 | 0.107 | 0.142 | 0.72 | 0.54 | -0.98 | 0.57 | 4.43E-05 | HLA-DRA(dist=59683), HLA-DRB5(dist=12645) | intergenic |
| 17 | 40488661 | C | A | rs17879198 | 5.94E-02 | 0.083 | 0.066 | 1.29 | 0.95 | -1.74 | 2.19E-05 | 0.099 | 0.051 | 2.04 | 1.48 | -2.81 | 1.71 | 4.43E-05 | STAT3 | intronic |
| 3 | 110234146 | G | A | rs9857432 | 5.62E-07 | 0.161 | 0.104 | 0.61 | 0.48 | -0.76 | 6.56E-01 | 0.127 | 0.111 | 0.86 | 0.65 | -1.14 | 0.66 | 4.48E-05 | MIR4445(dist=912402), PVRL3-AS1(dist=530017) | intergenic |
| 6 | 32468939 | G | A | rs142281463;rs200878174;rs72849269 | 1.01E-05 | 0.214 | 0.279 | 0.71 | 0.58 | -0.86 | 1.35E-01 | 0.267 | 0.302 | 0.84 | 0.68 | -1.04 | 0.71 | 4.56E-05 | HLA-DRA(dist=56113), HLA-DRB5(dist=16215) | intergenic |
| 3 | 175388271 | T | C | rs186798753 | 4.41E-05 | 0.071 | 0.048 | 1.52 | 1.09 | -2.11 | 6.82E-01 | 0.050 | 0.051 | 0.97 | 0.63 | -1.48 | 3.20 | 4.60E-05 | NAALADL2 | intronic |
| 19 | 55152023 | T | C | rs8110640 | 9.53E-02 | 0.097 | 0.081 | 1.21 | 0.92 | -1.6 | 1.71E-05 | 0.138 | 0.081 | 1.81 | 1.38 | -2.39 | 1.61 | 4.62E-05 | LILRB1(dist=3042), MIR8061(dist=4737) | intergenic |
| 16 | 76941941 | G | A | rs11865227 | 4.96E-06 | 0.131 | 0.082 | 1.69 | 1.32 | -2.18 | 3.61E-01 | 0.095 | 0.081 | 1.19 | 0.87 | -1.65 | 1.61 | 4.69E-05 | MIR4719(dist=39025), MON1B(dist=282875) | intergenic |
| 6 | 32479953 | G | T | rs74323872 | 2.31E-05 | 0.169 | 0.225 | 0.70 | 0.57 | -0.87 | 9.52E-02 | 0.215 | 0.247 | 0.83 | 0.67 | -1.05 | 0.68 | 4.72E-05 | HLA-DRA(dist=67127), HLA-DRB5(dist=5201) | intergenic |
| 2 | 211760191 | G | A | rs114352098 | 1.94E-05 | 0.042 | 0.022 | 1.97 | 1.27 | -3.06 | 1.90E-01 | 0.031 | 0.024 | 1.32 | 0.77 | -2.28 | 3.04 | 4.72E-05 | CPS1(dist=216359), ERBB4(dist=480251) | intergenic |
| 21 | 24274393 | T | C | rs62209430 | 6.00E-02 | 0.031 | 0.021 | 1.52 | 0.93 | -2.48 | 3.84E-05 | 0.047 | 0.030 | 1.61 | 1.03 | -2.53 | 3.27 | 4.75E-05 | LINC00308(dist=785546), D21S2088E(dist=459033) | intergenic |
| 11 | 71291780 | C | T | rs181728195 | 4.08E-05 | 0.053 | 0.032 | 1.68 | 1.15 | -2.47 | 1.54E-01 | 0.037 | 0.025 | 1.46 | 0.88 | -2.42 | 2.66 | 4.76E-05 | KRTAP5-10(dist=14114), KRTAP5-11(dist=1121) | intergenic |
| 6 | 32473388 | C | T | rs111863034 | 2.12E-05 | 0.444 | 0.375 | 0.75 | 0.64 | -0.89 | 1.00E-01 | 0.379 | 0.346 | 0.87 | 0.72 | -1.05 | 0.71 | 4.80E-05 | HLA-DRA(dist=60562), HLA-DRB5(dist=11766) | intergenic |
| 17 | 36433478 | G | A | rs73984496 | 6.09E-05 | 0.055 | 0.032 | 1.76 | 1.2 | -2.57 | 6.34E-01 | 0.026 | 0.023 | 1.14 | 0.63 | -2.04 | 3.14 | 4.83E-05 | LOC440434(dist=20222), MRPL45(dist=19511) | intergenic |
| 12 | 124729368 | C | T | rs144968720 | 5.24E-05 | 0.063 | 0.036 | 1.80 | 1.26 | -2.57 | 8.26E-02 | 0.037 | 0.047 | 0.77 | 0.47 | -1.26 | 2.82 | 4.91E-05 | ZNF664-FAM101A | intronic |
| 12 | 59987096 | T | C | rs7975879 | 4.86E-02 | 0.056 | 0.042 | 1.35 | 0.94 | -1.94 | 4.81E-05 | 0.074 | 0.036 | 2.12 | 1.46 | -3.06 | 1.97 | 4.91E-05 | LRI3(dist=672777), SLC16A7(dist=2725) | intergenic |
| 6 | 32473889 | C | T | rs79747029 | 3.32E-06 | 0.387 | 0.460 | 0.74 | 0.63 | -0.88 | 2.35E-01 | 0.460 | 0.491 | 0.88 | 0.73 | -1.06 | 0.72 | 4.94E-05 | HLA-DRA(dist=61063), HLA-DRB5(dist=11265) | intergenic |
| 17 | 40513631 | C | T | rs75059447 | 6.74E-02 | 0.086 | 0.069 | 1.26 | 0.94 | -1.7 | 2.21E-05 | 0.100 | 0.052 | 2.04 | 1.48 | -2.82 | 1.70 | 4.95E-05 | STAT3 | intronic |
| 13 | 48047693 | G | A | rs12017688 | 5.63E-05 | 0.048 | 0.100 | 0.45 | 0.32 | -0.65 | 1.27E-01 | 0.070 | 0.083 | 0.83 | 0.58 | -1.2 | 0.61 | 4.98E-05 | HTR2A(dist=576482), LINC00562(dist=456595) | intergenic |
| 6 | 32635629 | G | A | rs114544105 | 3.54E-05 | 0.118 | 0.181 | 0.61 | 0.47 | -0.77 | 8.03E-02 | 0.144 | 0.178 | 0.77 | 0.59 | -1.01 | 0.70 | 5.01E-05 | HLA-DQB1(dist=1163), HLA-DQA2(dist=73534) | intergenic |
| 9 | 76442516 | G | A | rs138625309 | 3.43E-06 | 0.046 | 0.023 | 2.00 | 1.31 | -3.05 | 2.68E-01 | 0.032 | 0.024 | 1.34 | 0.78 | -2.29 | 2.75 | 5.07E-05 | MIR6130 | ncRNA_intronic |
| 3 | 187593338 | T | C | rs9836426 | 1.15E-01 | 0.499 | 0.453 | 0.83 | 0.71 | -0.98 | 1.04E-05 | 0.574 | 0.486 | 0.70 | 0.58 | -0.85 | 0.77 | 5.18E-05 | BCL6(dist=129825), LPP-AS2(dist=275656) | intergenic |
| 6 | 32635998 | G | T | rs9274623 | 3.69E-05 | 0.117 | 0.180 | 0.61 | 0.47 | -0.77 | 7.98E-02 | 0.144 | 0.179 | 0.77 | 0.59 | -1 | 0.70 | 5.19E-05 | HLA-DQB1(dist=1532), HLA-DQA2(dist=73165) | intergenic |
| 6 | 32499256 | C | T | rs79556527 | 2.28E-05 | 0.298 | 0.367 | 0.73 | 0.61 | -0.87 | 1.16E-01 | 0.328 | 0.366 | 0.85 | 0.69 | -1.03 | 0.72 | 5.20E-05 | HLA-DRB5(dist=1250), HLA-DRB6(dist=21234) | intergenic |
| 1 | 152925755 | A | C | rs7556517 | 1.08E-06 | 0.292 | 0.204 | 0.62 | 0.52 | -0.75 | 4.87E-01 | 0.243 | 0.235 | 0.96 | 0.77 | -1.19 | 0.73 | 5.25E-05 | IVL(dist=41393), SPRR4(dist=17374) | intergenic |
| 7 | 1306102 | T | C | rs62436676 | 5.78E-05 | 0.215 | 0.278 | 0.71 | 0.59 | -0.86 | 7.50E-01 | 0.253 | 0.254 | 0.99 | 0.8 | -1.23 | 0.62 | 5.30E-05 | UNCX(dist=29489), MICALL2(dist=167893) | intergenic |
| 16 | 76938518 | A | G | rs9938603 | 9.53E-06 | 0.119 | 0.074 | 1.68 | 1.29 | -2.19 | 3.07E-01 | 0.087 | 0.072 | 1.22 | 0.87 | -1.71 | 1.66 | 5.30E-05 | MIR4719(dist=35602), MON1B(dist=286298) | intergenic |
| 6 | 32456335 | A | G | rs77512426 | 1.35E-05 | 0.386 | 0.457 | 0.75 | 0.63 | -0.88 | 1.39E-01 | 0.464 | 0.498 | 0.82 | 0.72 | -1.05 | 0.72 | 5.31E-05 | HLA-DRA(dist=43509), HLA-DRB5(dist=28819) | intergenic |
| 7 | 153914346 | T | C | rs10258384 | 1.61E-05 | 0.151 | 0.101 | 1.58 | 1.25 | -2.01 | 3.39E-01 | 0.112 | 0.095 | 1.19 | 0.88 | -1.61 | 1.58 | 5.31E-05 | DPP6 | intronic |
| 6 | 32502416 | C | T | rs75969927 | 1.05E-05 | 0.231 | 0.296 | 0.71 | 0.59 | -0.86 | 1.44E-01 | 0.271 | 0.308 | 0.84 | 0.68 | -1.03 | 0.72 | 5.33E-05 | HLA-DRB5(dist=4410), HLA-DRB6(dist=18074) | intergenic |
| 13 | 48049260 | G | A | rs59167701 | 5.77E-05 | 0.048 | 0.100 | 0.45 | 0.32 | -0.65 | 1.33E-01 | 0.069 | 0.082 | 0.83 | 0.58 | -1.2 | 0.62 | 5.36E-05 | HTR2A(dist=578049), LINC00562(dist=455028) | intergenic |
| 20 | 54798600 | C | T | rs2148213 | 1.28E-01 | 0.030 | 0.023 | 1.32 | 0.81 | -2.16 | 5.81E-05 | 0.043 | 0.024 | 1.80 | 1.12 | -2.89 | 6.55 | 5.40E-05 | CBLN4(dist=218072), MC3R(dist=25188) | intergenic |
| 3 | 110248552 | A | G | rs6437921 | 3.74E-07 | 0.168 | 0.110 | 0.61 | 0.49 | -0.76 | 7.82E-01 | 0.130 | 0.116 | 0.88 | 0.67 | -1.17 | 0.66 | 5.43E-05 | MIR4445(dist=926808), PVRL3-AS1(dist=515611) | intergenic |
| 16 | 58185794 | G | A | rs12927339 | 1.91E-01 | 0.038 | 0.026 | 1.47 | 0.95 | -2.29 | 7.58E-06 | 0.088 | 0.054 | 1.71 | 1.22 | -2.39 | 2.09 | 5.47E-05 | CFAP20(dist=22498), CSNK2A2(dist=6018) | intergenic |
| 2 | 240457338 | C | A | rs116621317 | 4.95E-05 | 0.083 | 0.054 | 1.59 | 1.16 | -2.16 | 9.87E-01 | 0.046 | 0.045 | 1.04 | 0.66 | -1.62 | 2.51 | 5.48E-05 | HDAC4(dist=134695), LOC150935(dist=227216) | intergenic |
| 3 | 101630232 | G | A | rs10936622 | 1.74E-01 | 0.099 | 0.079 | 1.29 | 0.97 | -1.7 | 5.68E-06 | 0.147 | 0.092 | 1.70 | 1.3 | -2.23 | 1.60 | 5.50E-05 | NFKB1Z(dist=50363), LOC152225(dist=29471) | intergenic |
| 13 | 48047714 | G | A | rs12017693 | 5.89E-05 | 0.048 | 0.100 | 0.45 | 0.32 | -0.65 | 1.34E-01 | 0.069 | 0.082 | 0.83 | 0.58 | -1.2 | 0.62 | 5.53E-05 | HTR2A(dist=576503), LINC00562(dist=456574) | intergenic |
| 6 | 32502610 | C | T | rs75252378 | 1.35E-05 | 0.235 | 0.301 | 0.71 | 0.59 | -0.86 | 1.43E-01 | 0.260 | 0.296 | 0.84 | 0.68 | -1.04 | 0.72 | 5.54E-05 | HLA-DRB5(dist=4604), HLA-DRB6(dist=17880) | intergenic |
| 6 | 32456366 | G | C | rs76398050 | 5.29E-05 | 0.391 | 0.454 | 0.77 | 0.65 | -0.91 | 6.66E-02 | 0.457 | 0.498 | 0.85 | 0.7 | -1.02 | 0.72 | 5.54E-05 | HLA-DRA(dist=43540), HLA-DRB5(dist=28788) | intergenic |
| 11 | 17336343 | T | A | rs72863680 | 5.07E-01 | 0.027 | 0.021 | 1.26 | 0.75 | -2.11 | 4.12E-08 | 0.077 | 0.042 | 1.89 | 1.32 | -2.71 | 2.41 | 5.55E-05 | NUCB2 | intronic |
| 11 | 17373421 | T | C | rs72863682 | 5.09E-01 | 0.027 | 0.021 | 1.26 | 0.75 | -2.11 | 4.10E-08 | 0.077 | 0.042 | 1.89 | 1.32 | -2.71 | 2.41 | 5.63E-05 | NUCB2 | intronic |
| 11 | 68059202 | A | G | rs10791972 | 9.36E-02 | 0.181 | 0.151 | 1.25 | 1.01 | -1.55 | 3.67E-05 | 0.234 | 0.170 | 1.49 | 1.19 | -1.87 | 1.43 | 5.66E-05 | C11orf24(dist=19733), LRP5(dist=20875) | intergenic |
| 19 | 52490280 | G | C | rs17695912 | 2.90E-01 | 0.043 | 0.033 | 1.31 | 0.86 | -1.98 | 1.57E-07 | 0.071 | 0.033 | 2.20 | 1.51 | -3.21 | 2.15 | 5.66E-05 | ZNF350 | upstream |
| 6 | 32473304 | C | T | rs113002353 | 1.60E-05 | 0.257 | 0.325 | 0.72 | 0.6 | -0.86 | 1.32E-01 | 0.302 | 0.339 | 0.84 | 0.69 | -1.03 | 0.72 | 5.67E-05 | HLA-DRA(dist=60478), HLA-DRB5(dist=11850) | intergenic |
| 4 | 8214051 | A | G | rs1678289 | 5.75E-05 | 0.306 | 0.245 | 0.74 | 0.62 | -0.88 | 2.91E-03 | 0.241 | 0.208 | 0.82 | 0.66 | -1.03 | 0.66 | 5.67E-05 | SH3TC1 | intronic |
| 6 | 32473104 | T | C | rs116758859 | 8.13E-06 | 0.337 | 0.407 | 0.74 | 0.62 | -0.88 | 1.76E-01 | 0.411 | 0.446 | 0.87 | 0.72 | -1.05 | 0.72 | 5.75E-05 | HLA-DRA(dist=60278), HLA-DRB5(dist=12050) | intergenic |
| 6 | 32570880 | C | T | rs556025 | 5.08E-05 | 0.189 | 0.260 | 0.67 | 0.54 | -0.82 | 8.21E-02 | 0.215 | 0.252 | 0.81 | 0.65 | -1.02 | 0.73 | 5.76E-05 | HLA-DRB1(dist=13267), HLA-DQA1(dist=34303) | intergenic |
| 16 | 76986308 | T | C | rs16944988 | 5.62E-06 | 0.134 | 0.085 | 1.67 | 1.3 | -2.14 | 3.96E-01 | 0.096 | 0.082 | 1.18 | 0.86 | -1.62 | 1.60 | 5.76E-05 | MIR4719(dist=83392), MON1B(dist=238508) | intergenic |
| 16 | 76983571 | C | T | rs9935586 | 5.69E-06 | 0.134 | 0.085 | 1.67 | 1.3 | -2.15 | 3.97E-01 | 0.095 | 0.082 | 1.18 | 0.86 | -1.63 | 1.60 | 5.78E-05 | MIR4719(dist=80655), MON1B(dist=241245) | intergenic |
| 6 | 32473694 | A | G | rs60993360 | 6.46E-05 | 0.293 | 0.355 | 0.75 | 0.63 | -0.9 | 6.59E-02 | 0.327 | 0.370 | 0.83 | 0.68 | -1.01 | 0.72 | 5.78E-05 | HLA-DRA(dist=60868), HLA-DRB5(dist=11460) | intergenic |
| 4 | 179372662 | C | A | rs2702378 | 5.86E-05 | 0.073 | 0.044 | 1.72 | 1.23 | -2.39 | 4.77E-01 | 0.041 | 0.039 | 1.05 | 0.66 | -1.69 | 2.79 | 5.78E-05 | LINC01098(dist=460758), NONE(dist=NONE) | intergenic |
| 16 | 76983861 | C | T | rs9935852 | 5.69E-06 | 0.134 | 0.085 | 1.67 | 1.3 | -2.15 | 3.97E-01 | 0.095 | 0.082 | 1.18 | 0.86 | -1.62 | 1.60 | 5.80E-05 | MIR4719(dist=80945), MON1B(dist=240955) | intergenic |
| 16 | 76983046 | C | G | rs75527685 | 5.76E-06 | 0.134 | 0.085 | 1.67 | 1.3 | -2.15 | 3.97E-01 | 0.095 | 0.082 | 1.18 | 0.86 | -1.63 | 1.60 | 5.82E-05 | MIR4719(dist=80130), MON1B(dist=241770) | intergenic |
| 3 | 110264230 | A | G | rs9819275 | 9.07E-06 | 0.254 | 0.193 | 0.70 | 0.58 | -0.85 | 3.33E-01 | 0.211 | 0.181 | 0.82 | 0.66 | -1.04 | 0.72 | 5.84E-05 | MIR4445(dist=942486), PVRL3-AS1(dist=499933) | intergenic |
| 13 | 48042203 | G | A | rs9591061 | 6.12E-05 | 0.048 | 0.100 | 0.45 | 0.32 | -0.65 | 1.37E-01 | 0.070 | 0.082 | 0.84 | 0.58 | -1.2 | 0.62 | 5.86E-05 | HTR2A(dist=570992), LINC00562(dist=462085) | intergenic |
| 15 | 91720393 | G | T | rs191539142 | 6 | | | | | | | | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|------------|
| 10 | 119120241 | G | A | rs4465301 | 9.78E-06 | 0.087 | 0.048 | 1.87 | 1.37 | -2.54 | 3.08E-01 | 0.059 | 0.050 | 1.19 | 0.8 | -1.78 | 1.85 | 6.21E-05 | PDZD8 | intronic |
| 4 | 8215225 | C | T | rs1678290;rs71635963 | 6.36E-05 | 0.478 | 0.418 | 0.78 | 0.66 | -0.92 | 3.13E-02 | 0.433 | 0.403 | 0.88 | 0.73 | -1.07 | 0.66 | 6.28E-05 | SH3TC1 | intronic |
| 18 | 50637015 | A | G | rs112856944 | 6.78E-02 | 0.054 | 0.042 | 1.31 | 0.9 | -1.89 | 3.24E-05 | 0.073 | 0.037 | 2.06 | 1.43 | -2.99 | 1.98 | 6.29E-05 | DCC | intronic |
| 6 | 32487458 | C | G | rs114645980 | 5.97E-05 | 0.352 | 0.291 | 0.75 | 0.64 | -0.9 | 6.40E-02 | 0.275 | 0.239 | 0.83 | 0.67 | -1.02 | 0.70 | 6.30E-05 | HLA-DRB5 | intronic |
| 6 | 32592143 | A | G | rs9271639 | 2.90E-05 | 0.417 | 0.342 | 0.73 | 0.62 | -0.86 | 1.09E-01 | 0.363 | 0.318 | 0.82 | 0.67 | -1 | 0.75 | 6.32E-05 | HLA-DRB1(dist=34530), HLA-DQA1(dist=13040) | intronic |
| 1 | 108225778 | G | C | rs2504457 | 5.81E-05 | 0.121 | 0.074 | 0.58 | 0.45 | -0.75 | 1.29E-01 | 0.120 | 0.102 | 0.83 | 0.62 | -1.11 | 0.63 | 6.37E-05 | VAIV3 | intronic |
| 4 | 161205022 | A | G | rs116556973 | 1.70E-01 | 0.043 | 0.035 | 1.25 | 0.83 | -1.87 | 4.34E-06 | 0.067 | 0.030 | 2.27 | 1.54 | -3.35 | 2.20 | 6.42E-05 | RAPGEF2(dist=923721), FSTL5(dist=1100022) | intergenic |
| 19 | 55151740 | C | T | rs35843708 | 1.30E-01 | 0.093 | 0.080 | 1.19 | 0.89 | -1.58 | 1.39E-05 | 0.137 | 0.081 | 1.80 | 1.36 | -2.37 | 1.62 | 6.44E-05 | LILRB1(dist=2759), MIR8061(dist=5202) | intergenic |
| 6 | 32499214 | A | G | rs78247055 | 1.77E-05 | 0.266 | 0.335 | 0.72 | 0.6 | -0.86 | 1.42E-01 | 0.298 | 0.334 | 0.84 | 0.69 | -1.03 | 0.73 | 6.51E-05 | HLA-DRB5(dist=1208), HLA-DRB6(dist=21276) | intergenic |
| 20 | 8206437 | A | G | rs6055668 | 1.40E-01 | 0.045 | 0.034 | 1.35 | 0.9 | -2.02 | 7.23E-06 | 0.070 | 0.033 | 2.19 | 1.5 | -3.21 | 2.07 | 6.56E-05 | PLCB1 | intronic |
| 14 | 71126041 | G | A | rs61980472 | 3.55E-06 | 0.092 | 0.047 | 2.07 | 1.53 | -2.8 | 3.16E-01 | 0.075 | 0.070 | 1.07 | 0.75 | -1.53 | 1.85 | 6.68E-05 | TTC9 | intronic |
| 3 | 88815135 | T | C | rs12633508 | 1.05E-01 | 0.187 | 0.209 | 0.87 | 0.71 | -1.07 | 2.27E-05 | 0.139 | 0.219 | 0.57 | 0.44 | -0.75 | 0.72 | 6.74E-05 | C3orf38(dist=608020), EPHA3(dist=341539) | intergenic |
| 3 | 195030639 | A | G | rs7610012 | 5.11E-05 | 0.123 | 0.089 | 1.44 | 1.12 | -1.86 | 2.56E-01 | 0.088 | 0.074 | 1.21 | 0.87 | -1.68 | 1.73 | 6.80E-05 | ACAP2 | intronic |
| 5 | 5266695 | G | T | rs890769 | 4.85E-05 | 0.051 | 0.023 | 2.24 | 1.49 | -3.37 | 3.92E-01 | 0.032 | 0.037 | 0.86 | 0.51 | -1.46 | 2.84 | 6.94E-05 | ADAMTS16 | intronic |
| 7 | 86895826 | G | C | rs802100 | 5.54E-06 | 0.369 | 0.288 | 1.45 | 1.22 | -1.71 | 4.54E-01 | 0.299 | 0.279 | 1.10 | 0.9 | -1.35 | 1.32 | 6.97E-05 | TMEM243(dist=46795), TP53TG1(dist=58838) | intergenic |
| 10 | 119023426 | C | T | rs117220249 | 1.96E-05 | 0.095 | 0.055 | 1.80 | 1.34 | -2.42 | 2.66E-01 | 0.064 | 0.053 | 1.21 | 0.82 | -1.78 | 1.80 | 6.98E-05 | SLC18A2 | intronic |
| 9 | 5042671 | G | A | rs77274685 | 5.89E-05 | 0.050 | 0.027 | 1.87 | 1.25 | -2.8 | 5.18E-01 | 0.021 | 0.023 | 0.92 | 0.48 | -1.77 | 3.14 | 6.99E-05 | JAK2 | intronic |
| 7 | 38034057 | A | G | rs7804635 | 6.15E-02 | 0.458 | 0.500 | 1.18 | 1 | -1.39 | 4.89E-05 | 0.397 | 0.493 | 1.47 | 1.22 | -1.78 | 1.29 | 7.04E-05 | EPDR1(dist=42515), STARD3NL(dist=183751) | intergenic |
| 7 | 38060438 | A | G | rs7784794 | 5.79E-02 | 0.395 | 0.351 | 1.20 | 1.02 | -1.42 | 6.14E-05 | 0.446 | 0.360 | 1.43 | 1.18 | -1.73 | 1.31 | 7.06E-05 | EPDR1(dist=68896), STARD3NL(dist=157370) | intergenic |
| 7 | 13379343 | T | G | rs138894749 | 1.86E-01 | 0.033 | 0.026 | 1.28 | 0.8 | -2.04 | 5.48E-07 | 0.054 | 0.022 | 2.59 | 1.68 | -4 | 2.42 | 7.10E-05 | ARL4A(dist=648785), ETV1(dist=551513) | intergenic |
| 7 | 86898022 | A | G | rs802102 | 4.78E-06 | 0.365 | 0.285 | 1.45 | 1.22 | -1.72 | 4.82E-01 | 0.295 | 0.276 | 1.10 | 0.89 | -1.35 | 1.32 | 7.12E-05 | TMEM243(dist=48991), TP53TG1(dist=56642) | intergenic |
| 2 | 22940148 | T | C | rs13413896 | 2.38E-06 | 0.099 | 0.055 | 1.88 | 1.4 | -2.51 | 6.17E-01 | 0.058 | 0.050 | 1.19 | 0.8 | -1.78 | 1.76 | 7.13E-05 | LOC102723362(dist=178989), KLHL29(dist=668150) | intergenic |
| 3 | 171179234 | A | G | rs116638808 | 1.32E-01 | 0.016 | 0.024 | 0.67 | 0.36 | -1.26 | 6.26E-05 | 0.041 | 0.022 | 1.88 | 1.16 | -3.07 | 8.23 | 7.18E-05 | TNKG1(dist=1037), PLD1(dist=138961) | intergenic |
| 14 | 107240779 | C | T | rs12887603 | 3.32E-01 | 0.030 | 0.020 | 1.49 | 0.91 | -2.45 | 8.11E-09 | 0.064 | 0.038 | 1.71 | 1.16 | -2.53 | 2.66 | 7.32E-05 | MIR7641-2(dist=148014), MIR5195(dist=18321) | intergenic |
| 16 | 58165382 | C | T | rs34477501 | 1.83E-01 | 0.044 | 0.032 | 1.39 | 0.92 | -2.09 | 1.23E-05 | 0.089 | 0.056 | 1.66 | 1.19 | -2.32 | 2.08 | 7.33E-05 | CFAP20(dist=2096), CSNK2A2(dist=26430) | intergenic |
| 7 | 86903624 | A | C | rs1089527 | 7.09E-06 | 0.370 | 0.290 | 1.44 | 1.21 | -1.71 | 4.30E-01 | 0.300 | 0.279 | 1.11 | 0.9 | -1.36 | 1.32 | 7.33E-05 | TMEM243(dist=54593), TP53TG1(dist=51040) | intergenic |
| 7 | 38059237 | T | A | rs6965880 | 8.08E-02 | 0.478 | 0.438 | 1.17 | 0.99 | -1.38 | 2.86E-05 | 0.549 | 0.453 | 1.47 | 1.21 | -1.77 | 1.29 | 7.35E-05 | EPDR1(dist=67695), STARD3NL(dist=158571) | intergenic |
| 12 | 59978311 | G | T | rs76855240 | 6.24E-02 | 0.057 | 0.044 | 1.32 | 0.92 | -1.89 | 4.83E-05 | 0.074 | 0.036 | 2.12 | 1.46 | -3.06 | 1.93 | 7.42E-05 | LRIG3(dist=663992), SLC16A7(dist=11510) | intergenic |
| 6 | 32473321 | G | T | rs72849287 | 2.36E-05 | 0.395 | 0.328 | 0.75 | 0.63 | -0.89 | 1.23E-01 | 0.326 | 0.296 | 0.87 | 0.71 | -1.06 | 0.71 | 7.43E-05 | HLA-DRA(dist=60495), HLA-DRB5(dist=11833) | intergenic |
| 6 | 32474496 | C | A | rs113060307 | 2.55E-05 | 0.296 | 0.361 | 0.74 | 0.62 | -0.89 | 1.17E-01 | 0.323 | 0.360 | 0.85 | 0.69 | -1.04 | 0.72 | 7.47E-05 | HLA-DRA(dist=61670), HLA-DRB5(dist=10658) | intergenic |
| 11 | 68069219 | G | A | rs4988293 | 1.18E-01 | 0.171 | 0.145 | 1.22 | 0.98 | -1.52 | 3.01E-05 | 0.230 | 0.166 | 1.50 | 1.2 | -1.87 | 1.44 | 7.52E-05 | C11orf24(dist=29750), LRP5(dist=10858) | intergenic |
| 6 | 32505477 | C | T | rs72851098 | 5.45E-05 | 0.246 | 0.307 | 0.73 | 0.61 | -0.88 | 8.95E-02 | 0.274 | 0.315 | 0.82 | 0.67 | -1.01 | 0.72 | 7.54E-05 | HLA-DRB5(dist=7471), HLA-DRB6(dist=15013) | intergenic |
| 7 | 86902545 | T | C | rs1089526 | 6.07E-06 | 0.372 | 0.291 | 1.44 | 1.22 | -1.71 | 4.59E-01 | 0.301 | 0.280 | 1.10 | 0.9 | -1.35 | 1.32 | 7.56E-05 | TMEM243(dist=53514), TP53TG1(dist=52119) | intergenic |
| 6 | 32473810 | G | A | rs74588093 | 5.37E-05 | 0.296 | 0.360 | 0.75 | 0.62 | -0.89 | 9.33E-02 | 0.350 | 0.393 | 0.83 | 0.68 | -1.01 | 0.73 | 7.60E-05 | HLA-DRA(dist=60984), HLA-DRB5(dist=11344) | intergenic |
| 6 | 32478848 | G | A | rs111480903 | 1.68E-05 | 0.247 | 0.312 | 0.72 | 0.6 | -0.87 | 1.54E-01 | 0.328 | 0.359 | 0.87 | 0.71 | -1.06 | 0.72 | 7.62E-05 | HLA-DRA(dist=66022), HLA-DRB5(dist=6306) | intergenic |
| 6 | 110300289 | C | T | rs114598028 | 5.43E-05 | 0.072 | 0.043 | 1.72 | 1.24 | -2.4 | 1.14E-01 | 0.060 | 0.046 | 1.32 | 0.89 | -1.97 | 2.16 | 7.70E-05 | GPR6 | intronic |
| 19 | 55153291 | C | T | rs34256676 | 1.25E-01 | 0.100 | 0.086 | 1.19 | 0.9 | -1.56 | 1.91E-05 | 0.143 | 0.086 | 1.77 | 1.35 | -2.33 | 1.58 | 7.75E-05 | LILRB1(dist=4310), MIR8061(dist=3469) | intergenic |
| 7 | 13368644 | C | G | rs6962468 | 2.54E-01 | 0.037 | 0.032 | 1.19 | 0.77 | -1.84 | 5.81E-07 | 0.066 | 0.027 | 2.53 | 1.71 | -3.75 | 2.17 | 7.76E-05 | ARL4A(dist=638086), ETV1(dist=562212) | intergenic |
| 7 | 13368677 | A | C | rs6962361 | 2.21E-01 | 0.040 | 0.034 | 1.19 | 0.78 | -1.82 | 1.66E-06 | 0.066 | 0.028 | 2.46 | 1.66 | -3.64 | 2.16 | 7.81E-05 | ARL4A(dist=638119), ETV1(dist=562179) | intergenic |
| 16 | 58189977 | C | A | rs34920106 | 2.18E-01 | 0.038 | 0.027 | 1.45 | 0.93 | -2.26 | 1.06E-05 | 0.088 | 0.053 | 1.70 | 1.22 | -2.39 | 2.06 | 7.84E-05 | CFAP20(dist=26681), CSNK2A2(dist=1835) | intergenic |
| 2 | 22939602 | C | A | rs10176379 | 1.93E-06 | 0.096 | 0.052 | 1.92 | 1.43 | -2.59 | 6.69E-01 | 0.057 | 0.049 | 1.18 | 0.78 | -1.76 | 1.77 | 7.94E-05 | LOC102723362(dist=178443), KLHL29(dist=668696) | intergenic |
| 6 | 32473799 | T | G | rs75796665 | 4.85E-05 | 0.291 | 0.356 | 0.74 | 0.62 | -0.89 | 1.04E-01 | 0.347 | 0.389 | 0.83 | 0.68 | -1.01 | 0.73 | 8.00E-05 | HLA-DRA(dist=60973), HLA-DRB5(dist=11355) | intergenic |
| 6 | 32604625 | T | C | rs9272367 | 1.84E-05 | 0.351 | 0.285 | 0.74 | 0.62 | -0.88 | 1.38E-01 | 0.311 | 0.273 | 0.83 | 0.68 | -1.02 | 0.73 | 8.08E-05 | HLA-DQA1 | upstream |
| 17 | 75571993 | C | T | rs73381621 | 7.85E-06 | 0.044 | 0.092 | 0.45 | 0.31 | -0.66 | 5.58E-01 | 0.071 | 0.078 | 0.90 | 0.63 | -1.3 | 0.62 | 8.20E-05 | LOC100507351(dist=10890), LOC100132174(dist=146961) | intergenic |
| 21 | 41372769 | T | C | rs76127774;rs112777433 | 4.68E-06 | 0.067 | 0.037 | 1.84 | 1.3 | -2.61 | 4.99E-01 | 0.044 | 0.040 | 1.10 | 0.7 | -1.75 | 2.27 | 8.22E-05 | PCP4(dist=71447), DSCAM(dist=11574) | intergenic |
| 1 | 232379400 | G | A | rs74146130 | 6.28E-05 | 0.052 | 0.032 | 1.63 | 1.11 | -2.4 | 1.15E-01 | 0.031 | 0.024 | 1.30 | 0.75 | -2.25 | 3.99 | 8.23E-05 | TSNAX-DISC1(dist=202381), SIPA1L2(dist=154312) | intergenic |
| 17 | 40541534 | A | G | rs45494601 | 6.72E-02 | 0.096 | 0.078 | 1.25 | 0.94 | -1.66 | 2.68E-05 | 0.104 | 0.056 | 1.94 | 1.42 | -2.66 | 1.65 | 8.28E-05 | STAT3(dist=1021), PTRF(dist=12933) | intergenic |
| 14 | 71124837 | T | C | rs61980470 | 3.60E-06 | 0.087 | 0.044 | 2.06 | 1.51 | -2.81 | 3.32E-01 | 0.072 | 0.067 | 1.07 | 0.74 | -1.54 | 1.89 | 8.29E-05 | TTC9 | intronic |
| 7 | 13381166 | T | G | rs115735226 | 3.74E-01 | 0.033 | 0.028 | 1.17 | 0.73 | -1.86 | 3.30E-08 | 0.062 | 0.026 | 2.50 | 1.67 | -3.75 | 2.35 | 8.34E-05 | ARL4A(dist=650608), ETV1(dist=549690) | intergenic |
| 7 | 13382529 | T | G | rs113812595 | 3.74E-01 | 0.033 | 0.028 | 1.17 | 0.73 | -1.86 | 3.30E-08 | 0.062 | 0.026 | 2.50 | 1.67 | -3.75 | 2.35 | 8.34E-05 | ARL4A(dist=651971), ETV1(dist=548327) | intergenic |
| 11 | 68059316 | G | A | rs10791974 | 1.02E-01 | 0.172 | 0.142 | 1.26 | 1.01 | -1.57 | 6.08E-05 | 0.226 | 0.165 | 1.48 | 1.18 | -1.85 | 1.43 | 8.38E-05 | C11orf24(dist=19847), LRP5(dist=20761) | intergenic |
| 18 | 52327970 | C | G | rs75942301 | 1.31E-01 | 0.093 | 0.082 | 1.15 | 0.86 | -1.53 | 4.54E-06 | 0.113 | 0.063 | 1.91 | 1.41 | -2.58 | 1.64 | 8.40E-05 | DYNAP(dist=61246), RAB27B(dist=167738) | intergenic |
| 10 | 134957853 | T | G | rs11592855 | 3.17E-01 | 0.036 | 0.039 | 0.92 | 0.59 | -1.42 | 6.02E-05 | 0.065 | 0.045 | 1.47 | 1 | -2.16 | 5.05 | 8.47E-05 | ADGRA1(dist=12674), KNDC1(dist=16118) | intergenic |
| 20 | 8184723 | T | G | rs6118111 | 1.31E-01 | 0.069 | 0.055 | 1.27 | 0.92 | -1.76 | 8.81E-06 | 0.094 | 0.048 | 2.03 | 1.46 | -2.83 | 1.77 | 8.54E-05 | PLCB1 | intronic |
| 18 | 70408553 | G | T | rs9945341 | 4.95E-05 | 0.411 | 0.340 | 1.35 | 1.15 | -1.6 | 1.78E-01 | 0.368 | 0.337 | 1.15 | 0.94 | -1.39 | 1.32 | 8.54E-05 | NETO1 | downstream |
| 16 | 58213567 | T | C | rs2550357 | 1.82E-01 | 0.039 | 0.027 | 1.46 | 0.95 | -2.26 | 2.24E-05 | 0.089 | 0.055 | 1.69 | 1.21 | -2.36 | 2.02 | 8.57E-05 | CSNK2A2 | intronic |
| 11 | 754250 | | | | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 32473248 | C | A | rs142633963 | 2.02E-05 | 0.300 | 0.368 | 0.74 | 0.62 | -0.88 | 1.69E-01 | 0.366 | 0.400 | 0.87 | 0.71 | -1.05 | 0.73 | 8.74E-05 | HLA-DRA(dist=60422), HLA-DRB5(dist=11906) | intergenic |
| 20 | 8200249 | T | C | rs6108124 | 1.40E-01 | 0.046 | 0.034 | 1.36 | 0.91 | -2.03 | 2.40E-05 | 0.072 | 0.034 | 2.21 | 1.52 | -3.22 | 1.98 | 8.77E-05 | PLCB1 | intronic |
| 6 | 32484837 | G | A | rs191255170 | 3.68E-05 | 0.311 | 0.377 | 0.75 | 0.63 | -0.89 | 1.24E-01 | 0.371 | 0.407 | 0.86 | 0.71 | -1.04 | 0.73 | 8.80E-05 | HLA-DRB5 | downstream |
| 20 | 8207459 | C | T | rs6055669 | 1.42E-01 | 0.045 | 0.034 | 1.35 | 0.9 | -2.02 | 2.61E-05 | 0.071 | 0.033 | 2.23 | 1.53 | -3.24 | 1.98 | 8.83E-05 | PLCB1 | intronic |
| 14 | 107235449 | T | C | rs67530028 | 5.86E-01 | 0.035 | 0.027 | 1.33 | 0.84 | -2.09 | 1.34E-08 | 0.076 | 0.043 | 1.83 | 1.27 | -2.62 | 2.32 | 8.83E-05 | MIR7641-2(dist=142684), MIR5195(dist=23651) | intergenic |
| 20 | 8199238 | T | C | rs78864344 | 1.40E-01 | 0.046 | 0.034 | 1.36 | 0.91 | -2.03 | 2.37E-05 | 0.072 | 0.034 | 2.21 | 1.52 | -3.21 | 1.98 | 8.84E-05 | PLCB1 | intergenic |
| 20 | 8199168 | C | T | rs6118122 | 1.40E-01 | 0.046 | 0.034 | 1.36 | 0.91 | -2.03 | 2.37E-05 | 0.072 | 0.034 | 2.21 | 1.52 | -3.21 | 1.98 | 8.85E-05 | PLCB1 | intronic |
| 20 | 8205226 | C | T | rs6055667 | 1.40E-01 | 0.045 | 0.034 | 1.35 | 0.91 | -2.03 | 2.69E-05 | 0.071 | 0.033 | 2.22 | 1.53 | -3.24 | 1.98 | 8.87E-05 | PLCB1 | intronic |
| 20 | 8198500 | C | T | rs150923311 | 1.41E-01 | 0.046 | 0.034 | 1.36 | 0.91 | -2.03 | 2.37E-05 | 0.072 | 0.034 | 2.21 | 1.52 | -3.21 | 1.98 | 8.99E-05 | PLCB1 | intronic |
| 3 | 110213625 | A | G | rs2137381 | 8.49E-07 | 0.160 | 0.104 | 0.61 | 0.48 | -0.77 | 7.94E-01 | 0.122 | 0.109 | 0.88 | 0.66 | -1.18 | 0.67 | 8.99E-05 | MIR4445(dist=891881), PVRL3-AS1(dist=550538) | intergenic |
| 4 | 123972793 | A | C | rs4314302 | 4.64E-05 | 0.078 | 0.046 | 1.75 | 1.27 | -2.41 | 2.32E-01 | 0.054 | 0.042 | 1.31 | 0.86 | -1.99 | 1.87 | 9.01E-05 | SPATA5 | intronic |
| 20 | 8198234 | G | A | rs6055661 | 1.42E-01 | 0.046 | 0.034 | 1.36 | 0.91 | -2.03 | 2.37E-05 | 0.072 | 0.034 | 2.21 | 1.52 | -3.21 | 1.98 | 9.07E-05 | PLCB1 | intronic |
| 3 | 110210464 | T | C | rs1398416 | 6.62E-07 | 0.155 | 0.101 | 0.61 | 0.48 | -0.77 | 7.96E-01 | 0.122 | 0.109 | 0.88 | 0.66 | -1.18 | 0.66 | 9.12E-05 | MIR4445(dist=888720), PVRL3-AS1(dist=553699) | intergenic |
| 2 | 207763631 | T | C | rs144260439 | 2.51E-07 | 0.052 | 0.022 | 2.45 | 1.63 | -3.7 | 7.47E-01 | 0.033 | 0.029 | 1.13 | 0.67 | -1.91 | 2.20 | 9.15E-05 | FASTKD2(dist=102720), CPO1(dist=40647) | intergenic |
| 4 | 140653321 | C | T | rs1979188 | 4.07E-05 | 0.052 | 0.028 | 0.54 | 0.36 | -0.8 | 3.30E-01 | 0.028 | 0.022 | 0.78 | 0.44 | -1.38 | 0.41 | 9.19E-05 | MAML3, MGST2 | intronic |
| 20 | 8197247 | G | A | rs59378173 | 1.46E-01 | 0.046 | 0.034 | 1.35 | 0.91 | -2.02 | 2.20E-05 | 0.072 | 0.034 | 2.21 | 1.52 | -3.21 | 1.98 | 9.21E-05 | PLCB1 | intronic |
| 17 | 65245551 | G | A | rs112713034 | 3.21E-01 | 0.031 | 0.027 | 1.16 | 0.72 | -1.87 | 2.21E-06 | 0.059 | 0.027 | 2.26 | 1.5 | -3.42 | 2.61 | 9.23E-05 | HELZ(dist=4232), PSM12(dist=91068) | intergenic |
| 6 | 32484834 | G | A | rs185958327 | 2.80E-05 | 0.087 | 0.349 | 0.75 | 0.63 | -0.89 | 1.40E-01 | 0.353 | 0.388 | 0.86 | 0.71 | -1.04 | 0.72 | 9.28E-05 | HLA-DRB5 | downstream |
| 6 | 155419492 | A | G | rs59944590 | 1.37E-06 | 0.070 | 0.035 | 2.04 | 1.44 | -2.88 | 5.14E-01 | 0.044 | 0.037 | 1.20 | 0.76 | -1.91 | 2.03 | 9.28E-05 | TIAM2 | intronic |
| 7 | 64618870 | C | T | rs2671947 | 8.36E-06 | 0.125 | 0.082 | 1.61 | 1.24 | -2.08 | 5.70E-01 | 0.098 | 0.089 | 1.11 | 0.81 | -1.53 | 1.71 | 9.32E-05 | CCT6P3(dist=83779), ZNF92(dist=219842) | intergenic |
| 20 | 8196534 | G | C | rs80225662 | 1.49E-01 | 0.046 | 0.034 | 1.35 | 0.9 | -2.02 | 2.08E-05 | 0.072 | 0.034 | 2.21 | 1.52 | -3.21 | 1.97 | 9.35E-05 | PLCB1 | intronic |
| 20 | 8196636 | G | A | rs6118119 | 1.49E-01 | 0.046 | 0.034 | 1.35 | 0.9 | -2.02 | 2.09E-05 | 0.072 | 0.034 | 2.21 | 1.52 | -3.21 | 1.97 | 9.36E-05 | PLCB1 | intronic |
| 6 | 155419376 | T | C | rs61106640 | 1.39E-06 | 0.070 | 0.036 | 2.04 | 1.44 | -2.88 | 5.15E-01 | 0.044 | 0.037 | 1.20 | 0.76 | -1.91 | 2.03 | 9.38E-05 | TIAM2 | intronic |
| 3 | 110211164 | G | T | rs1512683 | 9.12E-07 | 0.160 | 0.104 | 0.61 | 0.49 | -0.77 | 7.95E-01 | 0.122 | 0.109 | 0.88 | 0.66 | -1.18 | 0.67 | 9.41E-05 | MIR4445(dist=889420), PVRL3-AS1(dist=552999) | intergenic |
| 1 | 200881947 | C | T | rs75782292 | 6.54E-02 | 0.044 | 0.032 | 1.36 | 0.9 | -2.05 | 2.88E-05 | 0.055 | 0.029 | 1.92 | 1.26 | -2.93 | 2.40 | 9.47E-05 | C1orf106 | intronic |
| 12 | 45852201 | A | G | rs10736026 | 1.12E-06 | 0.585 | 0.478 | 1.54 | 1.31 | -1.82 | 9.49E-01 | 0.509 | 0.498 | 0.96 | 0.79 | -1.15 | 1.30 | 9.48E-05 | ANO6(dist=18014), LINC00938(dist=267302) | intergenic |
| 6 | 32595429 | T | C | rs6926251 | 3.47E-05 | 0.478 | 0.404 | 0.74 | 0.63 | -0.87 | 1.26E-01 | 0.384 | 0.342 | 0.83 | 0.69 | -1.01 | 0.75 | 9.51E-05 | HLA-DRB1(dist=37816), HLA-DQA1(dist=9754) | intergenic |
| 20 | 52856109 | G | C | rs117244912 | 1.53E-01 | 0.036 | 0.025 | 1.45 | 0.92 | -2.29 | 1.58E-05 | 0.060 | 0.037 | 1.66 | 1.11 | -2.48 | 2.64 | 9.53E-05 | PPDN4(dist=19617), DOK5(dist=235902) | intergenic |
| 3 | 110215441 | G | A | rs2089940 | 8.70E-07 | 0.160 | 0.104 | 0.61 | 0.48 | -0.77 | 8.05E-01 | 0.122 | 0.110 | 0.89 | 0.66 | -1.18 | 0.67 | 9.54E-05 | MIR4445(dist=893697), PVRL3-AS1(dist=548722) | intergenic |
| 7 | 38036389 | A | G | rs12533160 | 7.80E-02 | 0.464 | 0.502 | 1.17 | 0.99 | -1.37 | 4.72E-05 | 0.403 | 0.498 | 1.47 | 1.21 | -1.78 | 1.29 | 9.56E-05 | EPDR1(dist=44847), STARD3NL(dist=181419) | intergenic |
| 3 | 110208581 | G | T | rs1949181 | 9.31E-07 | 0.160 | 0.104 | 0.61 | 0.49 | -0.77 | 7.96E-01 | 0.122 | 0.109 | 0.88 | 0.66 | -1.18 | 0.67 | 9.60E-05 | MIR4445(dist=886837), PVRL3-AS1(dist=555582) | intergenic |
| 10 | 113628958 | G | A | rs113980247 | 7.12E-02 | 0.038 | 0.029 | 1.31 | 0.85 | -2.04 | 2.25E-05 | 0.052 | 0.025 | 2.11 | 1.36 | -3.26 | 2.48 | 9.60E-05 | ADRA2A(dist=788296), GPAM(dist=280664) | intergenic |
| 7 | 13357101 | C | A | rs149751885 | 1.81E-01 | 0.031 | 0.024 | 1.28 | 0.8 | -2.08 | 3.24E-06 | 0.053 | 0.021 | 2.58 | 1.66 | -4 | 2.40 | 9.69E-05 | ARL4A(dist=626543), ETV1(dist=573755) | intergenic |
| 3 | 110206030 | T | C | rs9633345 | 6.97E-07 | 0.154 | 0.100 | 0.61 | 0.48 | -0.77 | 7.98E-01 | 0.122 | 0.109 | 0.88 | 0.66 | -1.18 | 0.66 | 9.69E-05 | MIR4445(dist=884286), PVRL3-AS1(dist=558133) | intergenic |
| 5 | 122295884 | A | G | rs17149763 | 1.45E-05 | 0.157 | 0.103 | 1.63 | 1.29 | -2.05 | 2.81E-01 | 0.121 | 0.106 | 1.17 | 0.88 | -1.56 | 1.50 | 9.70E-05 | SNX24 | intronic |
| 7 | 153912050 | C | T | rs28576062 | 3.04E-05 | 0.145 | 0.099 | 1.54 | 1.21 | -1.96 | 3.33E-01 | 0.114 | 0.098 | 1.19 | 0.88 | -1.59 | 1.58 | 9.71E-05 | DPP6 | intronic |
| 3 | 110205332 | A | G | rs2399339 | 9.36E-07 | 0.160 | 0.104 | 0.61 | 0.49 | -0.77 | 7.98E-01 | 0.122 | 0.109 | 0.88 | 0.66 | -1.18 | 0.67 | 9.80E-05 | MIR4445(dist=883588), PVRL3-AS1(dist=558831) | intergenic |
| 7 | 13357112 | G | C | rs145682876 | 1.81E-01 | 0.031 | 0.024 | 1.28 | 0.8 | -2.08 | 3.33E-06 | 0.053 | 0.021 | 2.58 | 1.66 | -3.99 | 2.40 | 9.82E-05 | ARL4A(dist=626554), ETV1(dist=573744) | intergenic |
| 8 | 97199024 | G | C | rs16894364 | 3.62E-06 | 0.062 | 0.031 | 2.10 | 1.45 | -3.02 | 9.82E-01 | 0.029 | 0.027 | 1.06 | 0.61 | -1.86 | 2.15 | 9.84E-05 | GDF6(dist=26004), UQCRB(dist=39880) | intergenic |
| 3 | 110261864 | A | G | rs1398350 | 1.18E-06 | 0.169 | 0.112 | 0.62 | 0.49 | -0.77 | 7.88E-01 | 0.128 | 0.115 | 0.88 | 0.67 | -1.17 | 0.68 | 9.91E-05 | MIR4445(dist=940120), PVRL3-AS1(dist=502299) | intergenic |
| 6 | 32505357 | C | A | rs72851096 | 3.50E-05 | 0.255 | 0.320 | 0.73 | 0.6 | -0.87 | 1.41E-01 | 0.286 | 0.323 | 0.84 | 0.68 | -1.03 | 0.73 | 9.92E-05 | HLA-DRB5(dist=7351), HLA-DRB6(dist=15133) | intergenic |
| 6 | 32446994 | G | A | rs71535414;rs17203626 | 1.79E-05 | 0.175 | 0.239 | 0.68 | 0.55 | -0.84 | 1.77E-01 | 0.223 | 0.257 | 0.83 | 0.66 | -1.04 | 0.72 | 1.01E-04 | HLA-DRA(dist=34168), HLA-DRB5(dist=38160) | intergenic |
| 1 | 154474900 | G | A | rs12753680 | 7.10E-06 | 0.289 | 0.205 | 1.58 | 1.31 | -1.9 | 3.37E-01 | 0.257 | 0.249 | 1.04 | 0.84 | -1.29 | 1.39 | 1.01E-04 | TDRD10 | UTR5 |
| 6 | 32539553 | T | C | rs187582489 | 1.36E-01 | 0.479 | 0.504 | 0.90 | 0.77 | -1.07 | 9.15E-06 | 0.527 | 0.443 | 0.72 | 0.59 | -0.86 | 0.73 | 1.01E-04 | HLA-DRB6(dist=11774), HLA-DRB1(dist=6994) | intergenic |
| 4 | 123994272 | A | G | rs149342637 | 5.50E-05 | 0.063 | 0.035 | 1.86 | 1.3 | -2.65 | 2.24E-01 | 0.044 | 0.034 | 1.32 | 0.83 | -2.09 | 2.04 | 1.01E-04 | SPATA5 | intronic |
| 20 | 33228708 | A | T | rs149562449 | 4.90E-05 | 0.058 | 0.031 | 1.90 | 1.3 | -2.76 | 3.08E-01 | 0.029 | 0.021 | 1.38 | 0.79 | -2.42 | 2.21 | 1.01E-04 | PIGU | intronic |
| 2 | 8508633 | G | A | rs60743715 | 1.09E-01 | 0.073 | 0.060 | 1.24 | 0.9 | -1.71 | 8.45E-06 | 0.090 | 0.051 | 1.82 | 1.3 | -2.54 | 1.88 | 1.02E-04 | LINC00299(dist=40084), LOC101929567(dist=191330) | intergenic |
| 20 | 33225182 | A | T | rs146571308 | 4.90E-05 | 0.058 | 0.031 | 1.90 | 1.3 | -2.76 | 3.09E-01 | 0.029 | 0.021 | 1.38 | 0.78 | -2.42 | 2.21 | 1.02E-04 | PIGU | intronic |
| 14 | 21065976 | C | T | rs17211537 | 1.89E-01 | 0.036 | 0.026 | 1.44 | 0.92 | -2.26 | 1.41E-05 | 0.064 | 0.034 | 1.97 | 1.33 | -2.91 | 2.24 | 1.02E-04 | LOC254028 | ncRNA_intronic |
| 20 | 33224744 | C | T | rs149840593 | 4.91E-05 | 0.058 | 0.031 | 1.90 | 1.3 | -2.76 | 3.09E-01 | 0.029 | 0.021 | 1.38 | 0.78 | -2.42 | 2.21 | 1.02E-04 | PIGU | intronic |
| 10 | 119063811 | T | C | rs114882632 | 4.42E-05 | 0.081 | 0.046 | 1.81 | 1.32 | -2.48 | 1.87E-01 | 0.057 | 0.045 | 1.29 | 0.86 | -1.94 | 1.83 | 1.03E-04 | PDZD8 | intronic |
| 9 | 76638339 | T | G | rs1491439 | 3.86E-07 | 0.104 | 0.055 | 2.00 | 1.51 | -2.67 | 6.88E-01 | 0.097 | 0.094 | 1.04 | 0.76 | -1.43 | 1.71 | 1.03E-04 | MIR6130 | ncRNA_intronic |
| 2 | 217491962 | A | G | rs78892244 | 4.67E-02 | 0.058 | 0.046 | 1.27 | 0.89 | -1.81 | 3.84E-05 | 0.065 | 0.039 | 1.75 | 1.19 | -2.57 | 2.28 | 1.05E-04 | LINC01280(dist=20301), IGFBP2(dist=6165) | intergenic |
| 20 | 9729332 | C | T | rs11391763 | 6.26E-02 | 0.066 | 0.057 | 1.18 | 0.85 | -1.65 | 5.66E-05 | 0.074 | 0.045 | 1.71 | 1.19 | -2.46 | 2.19 | 1.05E-04 | PAK7 | intronic |
| 6 | 32457258 | T | C | rs75078575 | 3.73E-05 | 0.374 | 0.438 | 0.77 | 0.65 | -0.91 | 1.41E-01 | 0.428 | 0.465 | 0.86 | 0.71 | -1.04 | 0.73 | 1.06E-04 | HLA-DRA(dist=44432), HLA-DRB5(dist=27896) | intergenic |
| 4 | 123962257 | T | G | rs149042931 | 5.08E-05 | 0.078 | 0.044 | 1.81 | 1.31 | -2.5 | 2.63E-01 | 0.051 | 0.039 | 1.30 | 0.85 | -2 | 1.84 | 1.07E-04 | SPATA5 | intronic |
| 11 | 68055190 | A | G | rs2175589 | 1.30E-01 | 0.168 | 0.139 | 1.25 | 1 | -1.56 | 5.23E-05 | 0.226 | 0.163 | 1.49 | 1.19 | -1.87 | 1.42 | 1.08E-04 | C11orf24(dist=15721), LRP5(dist=24887) | intergenic |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 12 | 132240201 | A | C | rs112667045 | 1.80E-05 | 0.052 | 0.025 | 2.09 | 1.4 | -3.11 | 4.03E-01 | 0.032 | 0.024 | 1.31 | 0.76 | -2.25 | 2.26 | 1.13E-04 | SFSWAP | intronic |
| 12 | 132240273 | A | C | rs113370249 | 1.81E-05 | 0.052 | 0.025 | 2.09 | 1.4 | -3.11 | 4.03E-01 | 0.032 | 0.024 | 1.31 | 0.76 | -2.25 | 2.26 | 1.13E-04 | SFSWAP | intronic |
| 5 | 153170908 | T | C | rs75030892 | 2.76E-05 | 0.191 | 0.135 | 1.52 | 1.22 | -1.88 | 3.06E-01 | 0.145 | 0.125 | 1.19 | 0.91 | -1.55 | 1.45 | 1.14E-04 | GRIA1 | intronic |
| 16 | 76971361 | G | A | rs9935857 | 1.30E-05 | 0.122 | 0.076 | 1.69 | 1.31 | -2.2 | 4.45E-01 | 0.088 | 0.076 | 1.17 | 0.84 | -1.63 | 1.60 | 1.14E-04 | MIR4719(dist=68445), MON1B(dist=253455) | intergenic |
| 1 | 184425928 | T | A | rs114998100 | 1.08E-01 | 0.032 | 0.024 | 1.32 | 0.82 | -2.13 | 2.74E-05 | 0.052 | 0.024 | 2.19 | 1.41 | -3.39 | 2.44 | 1.14E-04 | C1orf21 | intronic |
| 10 | 43934638 | C | T | rs148412921 | 1.67E-06 | 0.075 | 0.036 | 2.18 | 1.56 | -3.05 | 4.99E-01 | 0.059 | 0.053 | 1.12 | 0.75 | -1.66 | 1.87 | 1.15E-04 | ZNF487 | ncRNA_intronic |
| 6 | 32455194 | G | A | rs111664333 | 3.45E-06 | 0.276 | 0.344 | 0.73 | 0.61 | -0.87 | 4.12E-01 | 0.337 | 0.360 | 0.90 | 0.74 | -1.1 | 0.71 | 1.16E-04 | HLA-DRA(dist=42368), HLA-DRB5(dist=29960) | intergenic |
| 7 | 13385974 | A | G | rs10249150 | 1.71E-01 | 0.042 | 0.034 | 1.23 | 0.82 | -1.87 | 5.03E-06 | 0.067 | 0.030 | 2.35 | 1.59 | -3.46 | 2.04 | 1.16E-04 | ARL4A(dist=655416), ETV1(dist=544882) | intergenic |
| 1 | 154442960 | G | A | rs11265621 | 7.19E-08 | 0.450 | 0.337 | 1.61 | 1.37 | -1.9 | 8.92E-01 | 0.367 | 0.377 | 0.96 | 0.79 | -1.16 | 1.31 | 1.16E-04 | IL6R(dist=1034), SHE(dist=8994) | intergenic |
| 5 | 122317994 | T | C | rs3776181 | 1.64E-05 | 0.158 | 0.104 | 1.62 | 1.29 | -2.04 | 2.90E-01 | 0.123 | 0.107 | 1.17 | 0.88 | -1.56 | 1.49 | 1.17E-04 | SNX24 | intronic |
| 1 | 184425658 | T | G | rs115976532 | 1.10E-01 | 0.032 | 0.024 | 1.32 | 0.82 | -2.13 | 2.82E-05 | 0.052 | 0.024 | 2.18 | 1.41 | -3.38 | 2.44 | 1.18E-04 | C1orf21 | intronic |
| 6 | 32503843 | G | A | rs79401736 | 1.66E-05 | 0.216 | 0.280 | 0.71 | 0.58 | -0.86 | 2.26E-01 | 0.242 | 0.270 | 0.86 | 0.69 | -1.07 | 0.71 | 1.19E-04 | HLA-DRB5(dist=5837), HLA-DRB6(dist=16647) | intergenic |
| 6 | 32472605 | C | T | rs199513385;rs75427248 | 5.15E-05 | 0.305 | 0.370 | 0.75 | 0.63 | -0.89 | 1.24E-01 | 0.356 | 0.392 | 0.86 | 0.7 | -1.04 | 0.74 | 1.19E-04 | HLA-DRA(dist=59779), HLA-DRB5(dist=12549) | intergenic |
| 4 | 140990385 | T | C | rs17005526 | 5.11E-02 | 0.099 | 0.087 | 1.16 | 0.88 | -1.52 | 3.58E-05 | 0.090 | 0.057 | 1.64 | 1.18 | -2.29 | 1.90 | 1.19E-04 | MAML3 | intronic |
| 14 | 63513969 | C | T | rs61586644 | 5.27E-01 | 0.120 | 0.116 | 1.03 | 0.8 | -1.33 | 3.19E-07 | 0.184 | 0.112 | 1.79 | 1.4 | -2.29 | 1.55 | 1.20E-04 | KCNH5(dist=2013), RHOJ(dist=157133) | intergenic |
| 7 | 13360198 | A | G | rs78125148 | 1.87E-01 | 0.041 | 0.034 | 1.22 | 0.8 | -1.85 | 7.10E-06 | 0.067 | 0.029 | 2.39 | 1.62 | -3.53 | 2.05 | 1.20E-04 | ARL4A(dist=629640), ETV1(dist=570658) | intergenic |
| 6 | 32534471 | C | T | rs17209964 | 5.70E-06 | 0.184 | 0.246 | 0.69 | 0.56 | -0.85 | 2.90E-01 | 0.261 | 0.289 | 0.87 | 0.7 | -1.08 | 0.71 | 1.20E-04 | HLA-DRB6(dist=6692), HLA-DRB1(dist=12076) | intergenic |
| 7 | 38039300 | A | G | rs6971093 | 8.94E-02 | 0.456 | 0.494 | 1.16 | 0.99 | -1.37 | 4.88E-05 | 0.392 | 0.488 | 1.48 | 1.22 | -1.79 | 1.28 | 1.21E-04 | EPDR1(dist=47758), STARD3NL(dist=178508) | intergenic |
| 6 | 32548359 | T | C | rs28732269 | 5.58E-05 | 0.060 | 0.097 | 0.60 | 0.43 | -0.83 | 1.57E-03 | 0.058 | 0.091 | 0.62 | 0.42 | -0.92 | 0.47 | 1.22E-04 | HLA-DRB1 | intronic |
| 3 | 184517041 | C | T | rs201867546;rs7633575 | 6.57E-06 | 0.387 | 0.468 | 0.72 | 0.61 | -0.85 | 5.55E-01 | 0.416 | 0.418 | 0.99 | 0.82 | -1.2 | 0.72 | 1.22E-04 | LOC101928992(dist=26098), VPS8(dist=12890) | intergenic |
| 7 | 38034119 | C | T | rs28455667 | 8.15E-02 | 0.455 | 0.493 | 1.17 | 0.92 | -1.37 | 6.21E-05 | 0.393 | 0.488 | 1.47 | 1.21 | -1.78 | 1.28 | 1.22E-04 | EPDR1(dist=42577), STARD3NL(dist=183689) | intergenic |
| 3 | 110201614 | G | A | rs1588659 | 4.67E-07 | 0.126 | 0.076 | 0.58 | 0.44 | -0.74 | 9.61E-01 | 0.087 | 0.080 | 0.90 | 0.65 | -1.26 | 0.63 | 1.23E-04 | MIR4445(dist=879870), PVRL3-AS1(dist=562549) | intergenic |
| 5 | 122258673 | C | T | rs17149739 | 1.23E-05 | 0.155 | 0.101 | 1.63 | 1.29 | -2.06 | 3.27E-01 | 0.120 | 0.105 | 1.16 | 0.87 | -1.55 | 1.49 | 1.24E-04 | SNX24 | intronic |
| 5 | 122308879 | A | G | rs1813477 | 1.76E-05 | 0.169 | 0.115 | 1.56 | 1.24 | -1.95 | 2.97E-01 | 0.130 | 0.114 | 1.16 | 0.88 | -1.53 | 1.48 | 1.24E-04 | SNX24 | intronic |
| 7 | 41277400 | C | T | rs73687970 | 8.26E-02 | 0.097 | 0.082 | 1.21 | 0.92 | -1.6 | 4.10E-05 | 0.120 | 0.072 | 1.76 | 1.31 | -2.36 | 1.64 | 1.24E-04 | LINC01449(dist=104301), INHBA(dist=451201) | intergenic |
| 3 | 110219574 | A | C | rs6789452 | 1.91E-06 | 0.164 | 0.110 | 0.63 | 0.5 | -0.79 | 7.45E-01 | 0.129 | 0.115 | 0.88 | 0.66 | -1.16 | 0.67 | 1.24E-04 | MIR4445(dist=897830), PVRL3-AS1(dist=544589) | intergenic |
| 19 | 52787983 | C | G | rs7255987 | 3.15E-01 | 0.195 | 0.179 | 1.11 | 0.9 | -1.37 | 6.79E-07 | 0.244 | 0.165 | 1.63 | 1.31 | -2.03 | 1.42 | 1.25E-04 | ZNF766 | intronic |
| 4 | 96531776 | C | T | rs72878392 | 6.15E-06 | 0.188 | 0.131 | 1.54 | 1.24 | -1.91 | 5.39E-01 | 0.143 | 0.130 | 1.12 | 0.86 | -1.47 | 1.44 | 1.25E-04 | UNC5C(dist=61415), PDHA2(dist=229463) | intergenic |
| 5 | 122361903 | C | T | rs41527147 | 2.01E-05 | 0.154 | 0.101 | 1.62 | 1.28 | -2.05 | 2.79E-01 | 0.121 | 0.105 | 1.18 | 0.88 | -1.57 | 1.49 | 1.25E-04 | PPIC | intronic |
| 6 | 32526272 | T | C | rs28679786 | 5.00E-05 | 0.299 | 0.244 | 0.75 | 0.63 | -0.9 | 1.06E-01 | 0.246 | 0.219 | 0.86 | 0.69 | -1.07 | 0.69 | 1.25E-04 | HLA-DRB6 | ncRNA_intronic |
| 20 | 9727639 | G | A | rs8120342 | 7.67E-02 | 0.067 | 0.056 | 1.21 | 0.87 | -1.69 | 6.46E-05 | 0.082 | 0.048 | 1.79 | 1.26 | -2.53 | 1.96 | 1.26E-04 | PAK7 | intronic |
| 5 | 122358015 | G | T | rs6891052;rs386691898 | 8.91E-06 | 0.154 | 0.100 | 1.64 | 1.3 | -2.08 | 3.78E-01 | 0.114 | 0.101 | 1.15 | 0.86 | -1.55 | 1.50 | 1.26E-04 | SNX24(dist=13113), PPIC(dist=1063) | intergenic |
| 21 | 24317655 | T | C | rs62210670 | 1.50E-01 | 0.034 | 0.024 | 1.41 | 0.89 | -2.25 | 1.01E-05 | 0.056 | 0.035 | 1.65 | 1.09 | -2.49 | 2.59 | 1.26E-04 | LINC00308(dist=828808), D21S2088E(dist=415771) | intergenic |
| 5 | 122353293 | A | G | rs115328214 | 2.15E-05 | 0.155 | 0.102 | 1.62 | 1.28 | -2.05 | 2.68E-01 | 0.123 | 0.106 | 1.18 | 0.89 | -1.57 | 1.49 | 1.26E-04 | SNX24(dist=8391), PPIC(dist=5785) | intergenic |
| 12 | 132254398 | T | C | rs145958805 | 1.42E-05 | 0.051 | 0.025 | 2.12 | 1.41 | -3.18 | 4.18E-01 | 0.031 | 0.024 | 1.31 | 0.76 | -2.25 | 2.25 | 1.26E-04 | SFSWAP | intronic |
| 17 | 40502310 | G | C | rs17885278 | 9.51E-02 | 0.093 | 0.077 | 1.22 | 0.92 | -1.63 | 3.70E-05 | 0.106 | 0.057 | 1.96 | 1.44 | -2.68 | 1.61 | 1.27E-04 | STAT3 | intronic |
| 6 | 129245211 | A | C | rs17779657 | 4.30E-05 | 0.230 | 0.168 | 1.48 | 1.22 | -1.81 | 1.49E-01 | 0.206 | 0.175 | 1.22 | 0.97 | -1.54 | 1.40 | 1.28E-04 | LAMA2 | intronic |
| 2 | 143465119 | G | A | rs12469809 | 1.72E-01 | 0.147 | 0.115 | 1.32 | 1.05 | -1.67 | 9.92E-06 | 0.209 | 0.158 | 1.40 | 1.11 | -1.77 | 1.50 | 1.28E-04 | LRP1B(dist=575849), KYNU(dist=170076) | intergenic |
| 11 | 68052121 | A | G | rs7479746 | 1.41E-01 | 0.167 | 0.139 | 1.24 | 1 | -1.55 | 5.75E-05 | 0.226 | 0.163 | 1.49 | 1.19 | -1.87 | 1.41 | 1.30E-04 | C11orf24(dist=12652), LRP5(dist=27956) | intergenic |
| 3 | 110214916 | G | A | rs1949178 | 9.95E-07 | 0.156 | 0.101 | 0.61 | 0.48 | -0.77 | 8.63E-01 | 0.119 | 0.108 | 0.89 | 0.67 | -1.19 | 0.67 | 1.31E-04 | MIR4445(dist=893172), PVRL3-AS1(dist=549247) | intergenic |
| 3 | 110189919 | A | G | rs1512677 | 1.54E-06 | 0.155 | 0.102 | 0.62 | 0.49 | -0.78 | 7.72E-01 | 0.122 | 0.109 | 0.88 | 0.66 | -1.17 | 0.67 | 1.31E-04 | MIR4445(dist=868175), PVRL3-AS1(dist=574244) | intergenic |
| 7 | 153899034 | C | T | rs28665072 | 5.12E-05 | 0.151 | 0.104 | 1.54 | 1.22 | -1.95 | 3.01E-01 | 0.118 | 0.101 | 1.19 | 0.89 | -1.6 | 1.53 | 1.32E-04 | DPP6 | intronic |
| 3 | 110191924 | A | G | rs970165 | 1.52E-06 | 0.155 | 0.102 | 0.62 | 0.49 | -0.78 | 7.75E-01 | 0.122 | 0.109 | 0.88 | 0.66 | -1.17 | 0.67 | 1.32E-04 | MIR4445(dist=870180), PVRL3-AS1(dist=572239) | intergenic |
| 5 | 122264932 | A | A | rs17149745 | 2.25E-05 | 0.156 | 0.103 | 1.62 | 1.28 | -2.04 | 2.79E-01 | 0.124 | 0.108 | 1.17 | 0.88 | -1.55 | 1.48 | 1.32E-04 | SNX24 | intronic |
| 6 | 109743392 | A | T | rs9487098 | 2.45E-01 | 0.377 | 0.346 | 0.87 | 0.74 | -1.03 | 2.71E-06 | 0.477 | 0.387 | 0.69 | 0.57 | -0.83 | 0.76 | 1.33E-04 | PPIL6 | intronic |
| 1 | 108225118 | T | C | rs2504454 | 6.46E-05 | 0.131 | 0.083 | 0.60 | 0.47 | -0.77 | 2.05E-01 | 0.123 | 0.107 | 0.85 | 0.64 | -1.14 | 0.65 | 1.33E-04 | VAV3 | intronic |
| 5 | 122310761 | C | T | rs61165682 | 1.17E-05 | 0.181 | 0.123 | 1.58 | 1.27 | -1.96 | 3.52E-01 | 0.141 | 0.127 | 1.13 | 0.86 | -1.48 | 1.46 | 1.34E-04 | SNX24 | intronic |
| 11 | 68050036 | G | A | rs431979 | 1.48E-01 | 0.166 | 0.139 | 1.24 | 0.99 | -1.55 | 5.48E-05 | 0.226 | 0.163 | 1.49 | 1.19 | -1.87 | 1.41 | 1.35E-04 | C11orf24(dist=10567), LRP5(dist=30041) | intergenic |
| 10 | 119107883 | C | T | rs17096145 | 4.33E-05 | 0.085 | 0.049 | 1.81 | 1.33 | -2.47 | 2.51E-01 | 0.056 | 0.045 | 1.25 | 0.83 | -1.89 | 1.79 | 1.35E-04 | PDZD8 | intronic |
| 10 | 11813840 | G | T | rs10906012 | 3.61E-05 | 0.545 | 0.458 | 1.41 | 1.2 | -1.66 | 2.74E-01 | 0.494 | 0.470 | 1.10 | 0.91 | -1.33 | 1.30 | 1.35E-04 | ECHDC3(dist=7775), PROSER2(dist=51557) | intergenic |
| 20 | 8196673 | A | G | rs6118120 | 1.79E-01 | 0.047 | 0.036 | 1.31 | 0.88 | -1.94 | 2.18E-05 | 0.072 | 0.034 | 2.20 | 1.52 | -3.21 | 1.93 | 1.36E-04 | PLCB1 | intronic |
| 10 | 119035346 | G | A | rs74466450 | 5.86E-05 | 0.084 | 0.049 | 1.79 | 1.31 | -2.44 | 2.10E-01 | 0.057 | 0.046 | 1.28 | 0.85 | -1.92 | 1.78 | 1.36E-04 | SLC18A2 | intronic |
| 7 | 13357152 | T | C | rs115533894 | 1.94E-01 | 0.041 | 0.034 | 1.21 | 0.8 | -1.84 | 8.36E-06 | 0.067 | 0.029 | 2.37 | 1.61 | -3.5 | 2.04 | 1.38E-04 | ARL4A(dist=626594), ETV1(dist=573704) | intergenic |
| 6 | 32452626 | C | G | rs528864352 | 3.20E-05 | 0.204 | 0.267 | 0.70 | 0.58 | -0.86 | 1.59E-01 | 0.248 | 0.284 | 0.83 | 0.67 | -1.03 | 0.74 | 1.41E-04 | HLA-DRA(dist=39800), HLA-DRB5(dist=32528) | intergenic |
| 7 | 9087921 | C | T | rs10268725 | 6.19E-05 | 0.077 | 0.139 | 0.52 | 0.39 | -0.7 | 4.76E-01 | 0.091 | 0.096 | 0.94 | 0.68 | -1.3 | 0.66 | 1.42E-04 | NXPH1(dist=295328), PER4(dist=585979) | intergenic |
| 6 | 32469380 | C | T | rs78776915 | 9.80E-06 | 0.187 | 0.245 | 0.71 | 0.58 | -0.87 | 2.35E-01 | 0.247 | 0.275 | 0.86 | 0.7 | -1.07 | 0.70 | 1.43E-04 | HLA-DRA(dist=56554), HLA-DRB5(dist=15774) | intergenic |
| 6 | 32474310 | G | C | rs142827025 | 2.21E-05 | 0.204 | 0.264 | 0.71 | 0.59 | -0.87 | 1.89E-01 | 0.274 | 0.304 | 0.86 | 0.7 | -1.06 | 0.71 | | | |

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|----|-----------|---|---|-----------------------|----------|-------|-------|------|-------------|----------|-------|-------|------|-------------|------|----------|--|----------------|
| 7 | 13378676 | G | C | rs143633995 | 2.95E-01 | 0.032 | 0.027 | 1.19 | 0.75 - 1.9 | 3.53E-07 | 0.056 | 0.022 | 2.58 | 1.69 - 3.96 | 2.30 | 1.47E-04 | ARL4A(dist=648118), ETV1(dist=552180) | intergenic |
| 1 | 216249797 | T | C | rs138336852 | 1.77E-05 | 0.072 | 0.043 | 1.71 | 1.22 - 2.38 | 6.35E-01 | 0.036 | 0.032 | 1.14 | 0.69 - 1.88 | 2.18 | 1.48E-04 | LOC102723833 | ncRNA_intronic |
| 5 | 122358016 | A | T | rs386691898;rs6890625 | 1.28E-05 | 0.154 | 0.100 | 1.64 | 1.3 - 2.07 | 3.77E-01 | 0.114 | 0.101 | 1.15 | 0.86 - 1.55 | 1.49 | 1.48E-04 | SNX24(dist=13114), PPIC(dist=1062) | intergenic |
| 5 | 2873169 | C | A | rs115922410 | 1.61E-01 | 0.028 | 0.021 | 1.34 | 0.81 - 2.22 | 5.58E-07 | 0.044 | 0.021 | 2.18 | 1.36 - 3.49 | 2.78 | 1.48E-04 | C5orf38(dist=117658), LINC01377(dist=304780) | intergenic |
| 6 | 32446261 | C | T | rs17209907 | 3.78E-05 | 0.172 | 0.232 | 0.69 | 0.55 - 0.85 | 1.58E-01 | 0.222 | 0.254 | 0.84 | 0.67 - 1.05 | 0.73 | 1.49E-04 | HLA-DRA(dist=33435), HLA-DRB5(dist=38893) | intergenic |
| 3 | 110200852 | A | C | rs386664553;rs1606377 | 1.64E-06 | 0.156 | 0.103 | 0.62 | 0.49 - 0.78 | 8.02E-01 | 0.122 | 0.109 | 0.88 | 0.66 - 1.18 | 0.67 | 1.49E-04 | MIR4445(dist=879108), PVRL3-AS1(dist=563311) | intergenic |
| 13 | 43795569 | T | C | rs2120755 | 1.56E-01 | 0.183 | 0.171 | 0.92 | 0.74 - 1.14 | 4.58E-06 | 0.204 | 0.138 | 0.62 | 0.49 - 0.79 | 0.67 | 1.49E-04 | ENOX1 | intronic |
| 6 | 32480593 | A | G | rs11543887 | 9.64E-06 | 0.171 | 0.228 | 0.70 | 0.56 - 0.86 | 2.87E-01 | 0.211 | 0.231 | 0.89 | 0.71 - 1.12 | 0.70 | 1.50E-04 | HLA-DRA(dist=67767), HLA-DRB5(dist=4561) | intergenic |
| 4 | 96534340 | G | T | rs113864970 | 1.15E-05 | 0.195 | 0.138 | 1.52 | 1.23 - 1.87 | 4.76E-01 | 0.152 | 0.136 | 1.14 | 0.88 - 1.48 | 1.41 | 1.50E-04 | UNC5C(dist=63979), PDHA2(dist=226899) | intergenic |
| 16 | 58148584 | G | A | rs35432967 | 3.37E-01 | 0.037 | 0.028 | 1.36 | 0.87 - 2.12 | 6.05E-06 | 0.087 | 0.053 | 1.70 | 1.21 - 2.38 | 2.03 | 1.51E-04 | CFAP20 | intronic |
| 10 | 97237794 | A | G | rs998292 | 1.25E-05 | 0.374 | 0.463 | 1.44 | 1.22 - 1.7 | 3.85E-01 | 0.409 | 0.429 | 1.09 | 0.9 - 1.32 | 1.28 | 1.52E-04 | SORBS1 | intronic |
| 6 | 32481851 | G | T | rs114232767 | 2.90E-05 | 0.380 | 0.318 | 0.76 | 0.64 - 0.9 | 1.81E-01 | 0.303 | 0.275 | 0.87 | 0.71 - 1.07 | 0.72 | 1.54E-04 | HLA-DRA(dist=69025), HLA-DRB5(dist=3303) | intergenic |
| 15 | 41714204 | C | T | rs115433825 | 4.19E-06 | 0.074 | 0.042 | 1.80 | 1.3 - 2.51 | 8.04E-01 | 0.037 | 0.034 | 1.12 | 0.68 - 1.83 | 1.98 | 1.55E-04 | RTF1 | intronic |
| 16 | 82234820 | C | A | rs73595019 | 3.76E-05 | 0.090 | 0.055 | 1.69 | 1.25 - 2.28 | 3.23E-01 | 0.066 | 0.055 | 1.21 | 0.83 - 1.77 | 1.74 | 1.56E-04 | MPHOSPH6(dist=30991), CDH13(dist=425579) | intergenic |
| 6 | 32447873 | A | G | rs4994855 | 3.70E-06 | 0.186 | 0.257 | 0.66 | 0.54 - 0.81 | 3.64E-01 | 0.261 | 0.287 | 0.88 | 0.71 - 1.08 | 0.74 | 1.56E-04 | HLA-DRA(dist=35047), HLA-DRB5(dist=37281) | intergenic |
| 7 | 13355772 | C | T | rs116471327 | 1.96E-01 | 0.041 | 0.034 | 1.21 | 0.8 - 1.84 | 1.02E-05 | 0.067 | 0.030 | 2.35 | 1.59 - 3.47 | 2.03 | 1.58E-04 | ARL4A(dist=625214), ETV1(dist=575084) | intergenic |
| 6 | 32473744 | A | G | rs192414779 | 5.19E-05 | 0.230 | 0.290 | 0.73 | 0.61 - 0.89 | 1.51E-01 | 0.275 | 0.309 | 0.85 | 0.69 - 1.05 | 0.73 | 1.58E-04 | HLA-DRA(dist=60918), HLA-DRB5(dist=11410) | intergenic |
| 20 | 8201064 | T | A | rs57678397 | 2.89E-01 | 0.089 | 0.079 | 1.15 | 0.86 - 1.53 | 8.94E-06 | 0.133 | 0.075 | 1.90 | 1.43 - 2.52 | 1.60 | 1.58E-04 | PLCB1 | intronic |
| 6 | 32590154 | T | C | rs9271546 | 3.28E-05 | 0.383 | 0.466 | 0.71 | 0.6 - 0.84 | 2.04E-01 | 0.420 | 0.455 | 0.87 | 0.72 - 1.05 | 0.78 | 1.58E-04 | HLA-DRB1(dist=32541), HLA-DQA1(dist=15029) | intergenic |
| 1 | 209202746 | G | A | rs12564514 | 1.07E-05 | 0.185 | 0.134 | 1.46 | 1.18 - 1.81 | 6.66E-01 | 0.122 | 0.111 | 1.11 | 0.84 - 1.48 | 1.51 | 1.58E-04 | PLXNA2(dist=785081), MIR205HG(dist=399422) | intergenic |
| 16 | 19487153 | G | T | rs79081807 | 2.55E-05 | 0.049 | 0.022 | 2.25 | 1.49 - 3.42 | 3.35E-01 | 0.033 | 0.026 | 1.24 | 0.73 - 2.11 | 2.36 | 1.58E-04 | TMCS | intronic |
| 6 | 32517150 | T | C | rs171536504 | 3.02E-05 | 0.310 | 0.251 | 0.75 | 0.63 - 0.89 | 1.72E-01 | 0.251 | 0.222 | 0.85 | 0.68 - 1.05 | 0.72 | 1.59E-04 | HLA-DRB5(dist=19144), HLA-DRB6(dist=3340) | intergenic |
| 21 | 19667255 | G | A | rs73210244 | 1.82E-01 | 0.044 | 0.034 | 1.32 | 0.88 - 1.98 | 2.92E-05 | 0.073 | 0.044 | 1.70 | 1.18 - 2.45 | 2.15 | 1.59E-04 | TMPPRS15 | intronic |
| 17 | 40492039 | A | G | rs11870967 | 1.15E-01 | 0.092 | 0.077 | 1.21 | 0.91 - 1.61 | 3.07E-05 | 0.106 | 0.057 | 1.97 | 1.44 - 2.69 | 1.61 | 1.60E-04 | STAT3 | intronic |
| 16 | 76981119 | A | G | rs28712764 | 2.34E-05 | 0.287 | 0.082 | 1.63 | 1.26 - 2.1 | 4.21E-01 | 0.092 | 0.079 | 1.17 | 0.85 - 1.62 | 1.57 | 1.60E-04 | MIR4719(dist=78203), MON1B(dist=243697) | intergenic |
| 6 | 32447900 | T | C | rs4994854 | 3.87E-06 | 0.186 | 0.256 | 0.66 | 0.54 - 0.81 | 3.63E-01 | 0.261 | 0.287 | 0.88 | 0.71 - 1.08 | 0.74 | 1.60E-04 | HLA-DRA(dist=35074), HLA-DRB5(dist=37254) | intergenic |
| 3 | 110208638 | G | T | rs1949180 | 9.15E-07 | 0.126 | 0.077 | 0.57 | 0.44 - 0.74 | 9.62E-01 | 0.087 | 0.080 | 0.90 | 0.65 - 1.26 | 0.64 | 1.62E-04 | MIR4445(dist=886894), PVRL3-AS1(dist=555525) | intergenic |
| 7 | 13355310 | T | G | rs77445107 | 1.96E-01 | 0.041 | 0.034 | 1.21 | 0.79 - 1.84 | 1.08E-05 | 0.067 | 0.030 | 2.34 | 1.58 - 3.46 | 2.03 | 1.64E-04 | ARL4A(dist=624752), ETV1(dist=575546) | intergenic |
| 17 | 40489758 | A | T | rs12721583 | 1.18E-01 | 0.091 | 0.077 | 1.21 | 0.91 - 1.61 | 3.05E-05 | 0.106 | 0.057 | 1.97 | 1.44 - 2.69 | 1.61 | 1.65E-04 | STAT3 | intronic |
| 7 | 13354236 | G | C | rs140364479 | 1.99E-01 | 0.041 | 0.034 | 1.21 | 0.79 - 1.83 | 1.04E-05 | 0.066 | 0.030 | 2.34 | 1.58 - 3.46 | 2.03 | 1.66E-04 | ARL4A(dist=623678), ETV1(dist=576620) | intergenic |
| 6 | 32481849 | A | T | rs148513611 | 4.06E-05 | 0.351 | 0.289 | 0.75 | 0.64 - 0.9 | 1.62E-01 | 0.295 | 0.267 | 0.87 | 0.71 - 1.07 | 0.72 | 1.66E-04 | HLA-DRA(dist=69023), HLA-DRB5(dist=3305) | intergenic |
| 6 | 32449188 | G | A | rs9394100 | 1.57E-05 | 0.279 | 0.348 | 0.72 | 0.6 - 0.87 | 2.42E-01 | 0.325 | 0.356 | 0.87 | 0.71 - 1.06 | 0.74 | 1.68E-04 | HLA-DRA(dist=36362), HLA-DRB5(dist=35966) | intergenic |
| 2 | 44789691 | A | T | rs2341460 | 6.84E-01 | 0.036 | 0.027 | 0.74 | 0.47 - 1.16 | 1.59E-07 | 0.092 | 0.054 | 0.57 | 0.41 - 0.79 | 0.47 | 1.68E-04 | CAMKMT | intronic |
| 20 | 8135244 | A | G | rs6055579 | 2.55E-01 | 0.047 | 0.037 | 1.27 | 0.85 - 1.88 | 1.41E-06 | 0.067 | 0.031 | 2.24 | 1.52 - 3.29 | 1.98 | 1.69E-04 | PLCB1 | intronic |
| 16 | 58140687 | G | A | rs34687030 | 4.50E-01 | 0.034 | 0.026 | 1.32 | 0.83 - 2.09 | 2.39E-06 | 0.083 | 0.050 | 1.71 | 1.21 - 2.42 | 2.11 | 1.71E-04 | MMP15(dist=59883), CFAP20(dist=6810) | intergenic |
| 6 | 32449411 | T | C | rs1964995 | 8.96E-06 | 0.194 | 0.262 | 0.68 | 0.55 - 0.83 | 3.21E-01 | 0.243 | 0.269 | 0.87 | 0.7 - 1.08 | 0.74 | 1.71E-04 | HLA-DRA(dist=36585), HLA-DRB5(dist=35743) | intergenic |
| 21 | 19662901 | G | T | rs73210223 | 1.71E-01 | 0.038 | 0.028 | 1.36 | 0.88 - 2.11 | 5.27E-05 | 0.078 | 0.048 | 1.69 | 1.18 - 2.41 | 2.07 | 1.71E-04 | TMPPRS15 | intronic |
| 16 | 76980754 | A | G | rs13337842 | 2.61E-05 | 0.128 | 0.083 | 1.63 | 1.26 - 2.1 | 4.20E-01 | 0.092 | 0.079 | 1.17 | 0.85 - 1.63 | 1.56 | 1.72E-04 | MIR4719(dist=77838), MON1B(dist=244062) | intergenic |
| 1 | 152176848 | C | A | rs11204934;rs71585887 | 2.52E-06 | 0.184 | 0.177 | 1.69 | 1.36 - 2.1 | 7.43E-01 | 0.137 | 0.131 | 1.05 | 0.8 - 1.38 | 1.44 | 1.75E-04 | RPTN(dist=45144), HRNR(dist=7704) | intergenic |
| 10 | 43986642 | A | G | rs3124212 | 1.02E-06 | 0.128 | 0.066 | 0.56 | 0.43 - 0.73 | 7.14E-01 | 0.102 | 0.096 | 0.94 | 0.69 - 1.28 | 0.63 | 1.76E-04 | ZNF487(dist=8635), ZNF239(dist=65151) | intergenic |
| 1 | 152176539 | G | A | rs11589532 | 2.52E-06 | 0.184 | 0.117 | 1.69 | 1.36 - 2.1 | 7.51E-01 | 0.137 | 0.131 | 1.05 | 0.8 - 1.38 | 1.44 | 1.79E-04 | RPTN(dist=44835), HRNR(dist=8013) | intergenic |
| 3 | 110298901 | G | A | rs9855229 | 1.42E-05 | 0.071 | 0.039 | 1.85 | 1.32 - 2.6 | 5.04E-01 | 0.046 | 0.036 | 1.29 | 0.82 - 2.02 | 1.88 | 1.81E-04 | MIR4445(dist=977157), PVRL3-AS1(dist=465262) | intergenic |
| 4 | 96534560 | G | C | rs17024254 | 1.14E-05 | 0.195 | 0.138 | 1.52 | 1.23 - 1.87 | 5.22E-01 | 0.151 | 0.136 | 1.13 | 0.87 - 1.47 | 1.41 | 1.81E-04 | UNC5C(dist=64199), PDHA2(dist=226679) | intergenic |
| 16 | 76980324 | G | T | rs112656138 | 2.82E-05 | 0.128 | 0.083 | 1.62 | 1.26 - 2.09 | 4.21E-01 | 0.092 | 0.079 | 1.17 | 0.85 - 1.63 | 1.56 | 1.81E-04 | MIR4719(dist=77408), MON1B(dist=244492) | intergenic |
| 5 | 122095810 | A | T | rs115586455 | 1.27E-05 | 0.156 | 0.102 | 1.62 | 1.29 - 2.05 | 4.02E-01 | 0.126 | 0.113 | 1.13 | 0.85 - 1.5 | 1.48 | 1.81E-04 | LOC101927379(dist=29555), SNX2(dist=14881) | intergenic |
| 4 | 96534626 | T | C | rs72880008 | 1.13E-05 | 0.195 | 0.138 | 1.52 | 1.23 - 1.87 | 5.22E-01 | 0.151 | 0.136 | 1.13 | 0.87 - 1.47 | 1.41 | 1.81E-04 | UNC5C(dist=64265), PDHA2(dist=226613) | intergenic |
| 1 | 152185750 | G | A | rs12729662 | 2.66E-06 | 0.187 | 0.120 | 1.68 | 1.36 - 2.09 | 7.45E-01 | 0.138 | 0.132 | 1.05 | 0.8 - 1.38 | 1.44 | 1.82E-04 | HRNR | exonic |
| 5 | 122341952 | A | G | rs7734954 | 3.02E-05 | 0.157 | 0.104 | 1.60 | 1.27 - 2.02 | 2.92E-01 | 0.124 | 0.108 | 1.17 | 0.88 - 1.55 | 1.47 | 1.83E-04 | SNX24 | intronic |
| 19 | 52489741 | T | C | rs17695888 | 2.63E-01 | 0.042 | 0.032 | 1.33 | 0.88 - 2.02 | 3.62E-06 | 0.065 | 0.031 | 2.14 | 1.45 - 3.17 | 2.02 | 1.83E-04 | ZNF350 | intronic |
| 16 | 76928330 | A | T | rs9924825;rs563061881 | 3.60E-05 | 0.122 | 0.079 | 1.64 | 1.26 - 2.12 | 3.41E-01 | 0.094 | 0.079 | 1.21 | 0.87 - 1.66 | 1.56 | 1.83E-04 | MIR4719(dist=25414), MON1B(dist=296486) | intergenic |
| 11 | 83697180 | C | A | rs180703978 | 2.50E-01 | 0.029 | 0.023 | 1.30 | 0.79 - 2.13 | 2.78E-05 | 0.052 | 0.025 | 2.12 | 1.37 - 3.28 | 2.53 | 1.84E-04 | DLC2 | intronic |
| 6 | 32510279 | A | C | rs28838605 | 3.46E-05 | 0.248 | 0.310 | 0.73 | 0.61 - 0.88 | 1.98E-01 | 0.275 | 0.308 | 0.85 | 0.69 - 1.05 | 0.73 | 1.85E-04 | HLA-DRB5(dist=12273), HLA-DRB6(dist=10211) | intergenic |
| 16 | 76933100 | G | A | rs1496962 | 4.67E-05 | 0.115 | 0.074 | 1.63 | 1.25 - 2.13 | 3.49E-01 | 0.083 | 0.070 | 1.21 | 0.86 - 1.7 | 1.59 | 1.85E-04 | MIR4719(dist=30184), MON1B(dist=291716) | intergenic |
| 3 | 110209297 | A | G | rs114321891 | 1.04E-05 | 0.069 | 0.037 | 1.93 | 1.36 - 2.72 | 5.47E-01 | 0.045 | 0.036 | 1.28 | 0.82 - 2.02 | 1.87 | 1.85E-04 | MIR4445(dist=887553), PVRL3-AS1(dist=554866) | intergenic |
| 15 | 66877711 | C | T | rs144814270 | 5.47E-06 | 0.064 | 0.032 | 2.05 | 1.43 - 2.94 | 7.43E-01 | 0.042 | 0.038 | 1.11 | 0.7 - 1.77 | 2.02 | 1.85E-04 | LINC01169 | ncRNA_intronic |
| 3 | 110205244 | G | C | rs9834831 | 1.04E-05 | 0.068 | 0.037 | 1.93 | 1.37 - 2.73 | 5.46E-01 | 0.045 | 0.036 | 1.28 | 0.82 - 2.02 | 1.87 | 1.85E-04 | MIR4445(dist=883500), PVRL3-AS1(dist=558919) | intergenic |
| 11 | 126017534 | G | A | rs628643 | 3.71E-05 | 0.313 | 0.235 | 1.48 | 1.24 - 1.77 | 4.22E-01 | 0.247 | 0.243 | 1.03 | 0.83 - 1.28 | 1.34 | 1.86E-04 | CDON(dist=84347), RPU5D4(dist=54455) | intergenic |
| 3 | 110206782 | A | G | rs9878382 | 1.05E-05 | 0.068 | 0.037 | 1.93 | 1.36 - 2.72 | | | | | | | | | |

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|----|-----------|---|---|----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|------------|
| 16 | 76927590 | T | C | rs1603514 | 3.91E-05 | 0.122 | 0.079 | 1.63 | 1.26 | -2.12 | 3.40E-01 | 0.094 | 0.079 | 1.21 | 0.87 | -1.66 | 1.55 | 1.94E-04 | MIR4719(dist=24674), MON1B(dist=297226) | intergenic |
| 5 | 122217367 | T | A | rs59480442 | 1.75E-05 | 0.158 | 0.103 | 1.63 | 1.29 | -2.05 | 3.83E-01 | 0.124 | 0.110 | 1.14 | 0.86 | -1.51 | 1.47 | 1.94E-04 | SNX24 | intronic |
| 3 | 110249684 | G | A | rs1512664 | 6.59E-07 | 0.136 | 0.084 | 0.58 | 0.45 | -0.75 | 9.17E-01 | 0.091 | 0.085 | 0.93 | 0.67 | -1.28 | 0.65 | 1.94E-04 | MIR4445(dist=927940), PVRL3-AS1(dist=514479) | intergenic |
| 10 | 119157290 | C | A | rs114624576 | 3.76E-05 | 0.084 | 0.047 | 1.84 | 1.34 | -2.51 | 3.45E-01 | 0.054 | 0.046 | 1.20 | 0.79 | -1.82 | 1.77 | 1.94E-04 | PDZD8(dist=22312), EMX2OS(dist=86514) | intergenic |
| 16 | 58208832 | C | T | rs2550355 | 2.66E-01 | 0.039 | 0.028 | 1.40 | 0.91 | -2.17 | 3.06E-05 | 0.090 | 0.056 | 1.67 | 1.2 | -2.33 | 1.92 | 1.95E-04 | CSNK2A2 | intronic |
| 2 | 143451538 | C | T | rs2169217 | 1.73E-01 | 0.147 | 0.115 | 1.32 | 1.04 | -1.67 | 1.87E-05 | 0.206 | 0.158 | 1.38 | 1.09 | -1.74 | 1.48 | 1.95E-04 | LRP1B(dist=562268), KYNPU(dist=183657) | intergenic |
| 4 | 96536173 | C | A | rs72880018 | 1.19E-05 | 0.195 | 0.138 | 1.52 | 1.23 | -1.87 | 5.35E-01 | 0.151 | 0.136 | 1.13 | 0.87 | -1.46 | 1.40 | 1.95E-04 | UNC5C(dist=65812), PDHA2(dist=225066) | intergenic |
| 4 | 96536296 | A | G | rs72880019 | 1.19E-05 | 0.195 | 0.138 | 1.52 | 1.23 | -1.87 | 5.36E-01 | 0.151 | 0.136 | 1.13 | 0.87 | -1.46 | 1.40 | 1.97E-04 | UNC5C(dist=65935), PDHA2(dist=224943) | intergenic |
| 4 | 96531994 | G | A | rs114205335 | 1.27E-05 | 0.195 | 0.139 | 1.51 | 1.22 | -1.87 | 5.26E-01 | 0.152 | 0.137 | 1.13 | 0.87 | -1.46 | 1.40 | 1.97E-04 | UNC5C(dist=61633), PDHA2(dist=229245) | intergenic |
| 18 | 66466619 | A | G | rs9967207 | 4.31E-05 | 0.063 | 0.037 | 1.75 | 1.23 | -2.49 | 2.88E-01 | 0.050 | 0.041 | 1.24 | 0.81 | -1.91 | 1.98 | 1.97E-04 | CCDC102B | intronic |
| 6 | 109742460 | C | T | rs72545661,rs9885646 | 1.93E-01 | 0.410 | 0.377 | 0.87 | 0.74 | -1.03 | 1.05E-05 | 0.497 | 0.406 | 0.69 | 0.57 | -0.83 | 0.78 | 1.98E-04 | PP1L6 | intronic |
| 1 | 112389980 | G | C | rs525255 | 1.42E-01 | 0.154 | 0.134 | 1.18 | 0.94 | -1.48 | 4.80E-05 | 0.208 | 0.146 | 1.54 | 1.22 | -1.94 | 1.43 | 1.98E-04 | KCNND3 | intronic |
| 10 | 119159934 | A | G | rs76522692 | 3.91E-05 | 0.084 | 0.047 | 1.83 | 1.34 | -2.51 | 3.43E-01 | 0.054 | 0.046 | 1.20 | 0.79 | -1.82 | 1.77 | 1.98E-04 | PDZD8(dist=24956), EMX2OS(dist=83870) | intergenic |
| 6 | 152125444 | T | C | rs488133 | 2.32E-01 | 0.085 | 0.064 | 0.73 | 0.54 | -0.99 | 3.53E-06 | 0.124 | 0.087 | 0.68 | 0.51 | -0.9 | 0.58 | 1.99E-04 | ESR1 | intronic |
| 11 | 22537092 | T | C | rs73479637 | 2.46E-01 | 0.105 | 0.100 | 1.05 | 0.8 | -1.37 | 1.25E-05 | 0.132 | 0.084 | 1.66 | 1.26 | -2.2 | 1.71 | 2.00E-04 | LINC01495(dist=23527), FANCF(dist=106987) | intergenic |
| 10 | 119161220 | A | T | rs74350818 | 3.97E-05 | 0.083 | 0.047 | 1.83 | 1.34 | -2.5 | 3.43E-01 | 0.054 | 0.045 | 1.20 | 0.79 | -1.82 | 1.77 | 2.01E-04 | PDZD8(dist=26242), EMX2OS(dist=82584) | intergenic |
| 5 | 122214337 | A | G | rs61389521 | 1.90E-05 | 0.158 | 0.103 | 1.62 | 1.29 | -2.05 | 3.81E-01 | 0.124 | 0.110 | 1.14 | 0.86 | -1.51 | 1.47 | 2.02E-04 | SNX24 | intronic |
| 3 | 110230474 | C | A | rs9836341 | 9.82E-06 | 0.069 | 0.037 | 1.92 | 1.36 | -2.71 | 5.68E-01 | 0.046 | 0.037 | 1.27 | 0.81 | -1.99 | 1.86 | 2.03E-04 | MIR4445(dist=908730), PVRL3-AS1(dist=533689) | intergenic |
| 16 | 58210887 | G | A | rs2731747 | 2.70E-01 | 0.039 | 0.028 | 1.40 | 0.9 | -2.16 | 3.12E-05 | 0.090 | 0.056 | 1.67 | 1.19 | -2.33 | 1.92 | 2.03E-04 | CSNK2A2 | intronic |
| 16 | 76927016 | T | G | rs13337592 | 4.23E-05 | 0.122 | 0.079 | 1.63 | 1.26 | -2.11 | 3.40E-01 | 0.094 | 0.079 | 1.21 | 0.87 | -1.66 | 1.55 | 2.04E-04 | MIR4719(dist=24100), MON1B(dist=297800) | intergenic |
| 12 | 54093041 | G | A | rs71455256 | 2.08E-01 | 0.040 | 0.029 | 1.40 | 0.91 | -2.15 | 1.94E-05 | 0.070 | 0.045 | 1.60 | 1.1 | -2.33 | 2.08 | 2.04E-04 | ATP5G2(dist=22529), CALCOCO1(dist=11861) | intergenic |
| 11 | 68014416 | T | C | rs10791966 | 2.56E-01 | 0.159 | 0.135 | 1.21 | 0.97 | -1.52 | 2.19E-05 | 0.231 | 0.167 | 1.50 | 1.2 | -1.88 | 1.40 | 2.04E-04 | SUV420H1(dist=33177), C11orf24(dist=14387) | intergenic |
| 7 | 41275654 | G | T | rs73687969 | 1.24E-01 | 0.102 | 0.088 | 1.17 | 0.89 | -1.54 | 3.36E-05 | 0.130 | 0.079 | 1.73 | 1.31 | -2.3 | 1.58 | 2.04E-04 | LINC01449(dist=102555), INHBA(dist=452947) | intergenic |
| 11 | 68015436 | G | C | rs2375472 | 2.56E-01 | 0.160 | 0.136 | 1.21 | 0.97 | -1.52 | 2.22E-05 | 0.231 | 0.167 | 1.50 | 1.2 | -1.88 | 1.40 | 2.05E-04 | SUV420H1(dist=34197), C11orf24(dist=13367) | intergenic |
| 6 | 31080016 | C | G | rs2233974 | 1.17E-01 | 0.122 | 0.145 | 0.82 | 0.64 | -1.04 | 4.48E-05 | 0.078 | 0.146 | 1.50 | 0.35 | -0.7 | 0.70 | 2.05E-04 | C6orf15 | exonic |
| 3 | 110232454 | A | G | rs9809437 | 9.93E-06 | 0.069 | 0.037 | 1.92 | 1.36 | -2.71 | 5.70E-01 | 0.046 | 0.037 | 1.27 | 0.81 | -1.99 | 1.86 | 2.06E-04 | MIR4445(dist=910710), PVRL3-AS1(dist=531709) | intergenic |
| 3 | 110231916 | T | A | rs114631428 | 9.93E-06 | 0.069 | 0.037 | 1.92 | 1.36 | -2.71 | 5.70E-01 | 0.046 | 0.037 | 1.27 | 0.81 | -1.99 | 1.86 | 2.06E-04 | MIR4445(dist=910172), PVRL3-AS1(dist=532247) | intergenic |
| 6 | 32452602 | C | T | rs561623787 | 3.24E-05 | 0.209 | 0.272 | 0.71 | 0.58 | -0.86 | 2.03E-01 | 0.263 | 0.296 | 0.85 | 0.69 | -1.05 | 0.74 | 2.06E-04 | HLA-DRA(dist=39776), HLA-DRB5(dist=32552) | intergenic |
| 10 | 113628907 | T | G | rs112931518 | 1.09E-01 | 0.036 | 0.028 | 1.28 | 0.82 | -2 | 2.73E-05 | 0.051 | 0.025 | 1.12 | 1.37 | -3.29 | 2.36 | 2.07E-04 | ADRA2A(dist=788245), GPAM(dist=280715) | intergenic |
| 10 | 119133044 | G | A | rs142859710 | 3.58E-05 | 0.083 | 0.047 | 1.84 | 1.35 | -2.52 | 3.38E-01 | 0.053 | 0.045 | 1.20 | 0.79 | -1.83 | 1.76 | 2.07E-04 | PDZD8 | intronic |
| 9 | 91337035 | T | C | rs7042278 | 2.99E-01 | 0.191 | 0.167 | 0.85 | 0.69 | -1.04 | 2.86E-06 | 0.251 | 0.187 | 0.69 | 0.55 | -0.85 | 0.70 | 2.07E-04 | LOC286238(dist=69960), MIR4289(dist=23716) | intergenic |
| 2 | 47632189 | T | C | rs140879262 | 3.12E-05 | 0.052 | 0.028 | 1.94 | 1.31 | -2.87 | 4.26E-01 | 0.036 | 0.030 | 1.23 | 0.74 | -2.03 | 2.25 | 2.08E-04 | MSH2 | intronic |
| 3 | 110203541 | C | T | rs9878940 | 1.21E-05 | 0.068 | 0.036 | 1.93 | 1.36 | -2.73 | 5.46E-01 | 0.045 | 0.036 | 1.29 | 0.82 | -2.02 | 1.87 | 2.09E-04 | MIR4445(dist=881797), PVRL3-AS1(dist=560622) | intergenic |
| 17 | 40476538 | C | T | rs17881621 | 3.44E-01 | 0.108 | 0.100 | 1.09 | 0.84 | -1.42 | 1.93E-06 | 0.139 | 0.078 | 1.90 | 1.44 | -2.51 | 1.53 | 2.10E-04 | STAT3 | intronic |
| 9 | 89351093 | T | C | rs10046800 | 4.44E-05 | 0.345 | 0.261 | 1.49 | 1.25 | -1.78 | 3.40E-01 | 0.330 | 0.323 | 1.03 | 0.84 | -1.25 | 1.31 | 2.11E-04 | ZCCHC6(dist=381691), GAS1(dist=208184) | intergenic |
| 10 | 110353070 | T | A | rs12415860 | 1.94E-01 | 0.180 | 0.163 | 1.12 | 0.91 | -1.39 | 1.06E-05 | 0.237 | 0.174 | 1.47 | 1.18 | -1.84 | 1.48 | 2.11E-04 | LINC01435(dist=524019), RNU6-53P(dist=577345) | intergenic |
| 10 | 119129340 | C | A | rs76902317 | 3.64E-05 | 0.083 | 0.047 | 1.84 | 1.35 | -2.52 | 3.60E-01 | 0.053 | 0.045 | 1.20 | 0.79 | -1.83 | 1.76 | 2.12E-04 | PDZD8 | intronic |
| 20 | 8130279 | A | C | rs6039052 | 2.72E-01 | 0.047 | 0.038 | 1.26 | 0.85 | -1.86 | 1.68E-06 | 0.067 | 0.031 | 2.23 | 1.51 | -3.28 | 1.96 | 2.12E-04 | PLCB1 | intronic |
| 7 | 22014475 | C | G | rs28564359 | 2.96E-01 | 0.052 | 0.044 | 1.19 | 0.82 | -1.73 | 6.84E-07 | 0.076 | 0.036 | 2.19 | 1.52 | -3.16 | 1.91 | 2.13E-04 | CDC47L(dist=28933), RAPGEF5(dist=143433) | intergenic |
| 1 | 152936749 | A | G | rs6675352 | 8.85E-06 | 0.283 | 0.203 | 0.65 | 0.54 | -0.78 | 5.48E-01 | 0.220 | 0.215 | 0.97 | 0.78 | -1.22 | 0.74 | 2.13E-04 | IVL(dist=52387), SPRR4(dist=6380) | intergenic |
| 5 | 122191182 | T | G | rs72796838 | 2.62E-05 | 0.154 | 0.101 | 1.61 | 1.27 | -2.04 | 3.48E-01 | 0.123 | 0.109 | 1.15 | 0.87 | -1.53 | 1.47 | 2.14E-04 | SNX24 | intronic |
| 6 | 32457061 | C | G | rs77921068 | 3.64E-05 | 0.291 | 0.351 | 0.76 | 0.63 | -0.9 | 2.01E-01 | 0.383 | 0.415 | 0.88 | 0.72 | -1.06 | 0.73 | 2.16E-04 | HLA-DRA(dist=44235), HLA-DRB5(dist=28093) | intergenic |
| 20 | 54402729 | C | T | rs6098836 | 6.34E-05 | 0.263 | 0.187 | 1.55 | 1.28 | -1.88 | 2.54E-01 | 0.241 | 0.229 | 1.07 | 0.86 | -1.33 | 1.35 | 2.16E-04 | LINC01441(dist=358994), CBLN4(dist=169684) | intergenic |
| 15 | 41679307 | C | T | rs147062425 | 1.28E-05 | 0.083 | 0.051 | 1.68 | 1.24 | -2.3 | 7.58E-01 | 0.043 | 0.039 | 1.11 | 0.7 | -1.77 | 1.86 | 2.16E-04 | NDUF4F1 | downstream |
| 3 | 110300317 | G | A | rs116047439 | 2.35E-05 | 0.072 | 0.041 | 1.83 | 1.31 | -2.56 | 4.89E-01 | 0.047 | 0.037 | 1.29 | 0.82 | -2.02 | 1.84 | 2.17E-04 | MIR4445(dist=978573), PVRL3-AS1(dist=463846) | intergenic |
| 6 | 42084516 | T | C | rs9462772 | 5.70E-05 | 0.353 | 0.419 | 1.32 | 1.11 | -1.56 | 2.88E-01 | 0.402 | 0.430 | 1.12 | 0.93 | -1.36 | 1.35 | 2.21E-04 | C6orf132 | intronic |
| 5 | 122351665 | A | G | rs55943014 | 3.94E-05 | 0.174 | 0.119 | 1.55 | 1.24 | -1.94 | 3.00E-01 | 0.143 | 0.126 | 1.16 | 0.88 | -1.51 | 1.44 | 2.21E-04 | SNX24(dist=6763), PPIC(dist=7413) | intergenic |
| 1 | 158519710 | T | C | rs10797026 | 4.17E-05 | 0.437 | 0.347 | 0.68 | 0.58 | -0.81 | 3.26E-01 | 0.395 | 0.378 | 0.93 | 0.77 | -1.13 | 0.78 | 2.21E-04 | OR6Y1(dist=1815), OR6P1(dist=12731) | intergenic |
| 4 | 125864672 | G | A | rs2170742 | 5.12E-05 | 0.338 | 0.259 | 1.47 | 1.23 | -1.75 | 3.80E-01 | 0.319 | 0.314 | 1.03 | 0.84 | -1.25 | 1.34 | 2.22E-04 | ANKRD50(dist=230785), FAT4(dist=372895) | intergenic |
| 11 | 68046962 | C | G | rs453262 | 1.89E-01 | 0.164 | 0.138 | 1.23 | 0.98 | -1.53 | 6.45E-05 | 0.225 | 0.163 | 1.49 | 1.19 | -1.87 | 1.39 | 2.22E-04 | C11orf24(dist=7493), LRP5(dist=33115) | intergenic |
| 5 | 122205645 | G | A | rs59410349 | 2.40E-05 | 0.155 | 0.102 | 1.61 | 1.28 | -2.04 | 3.63E-01 | 0.124 | 0.110 | 1.14 | 0.86 | -1.52 | 1.47 | 2.23E-04 | SNX24 | intronic |
| 9 | 24742594 | T | A | rs141897495 | 2.66E-05 | 0.062 | 0.034 | 1.88 | 1.31 | -2.7 | 4.04E-01 | 0.049 | 0.040 | 1.21 | 0.78 | -1.87 | 2.05 | 2.23E-04 | IZUMO3(dist=196920), TUSC1(dist=933793) | intergenic |
| 15 | 91725620 | C | T | rs76438353 | 2.59E-06 | 0.072 | 0.038 | 1.97 | 1.41 | -2.77 | 7.47E-01 | 0.033 | 0.033 | 0.98 | 0.58 | -1.66 | 2.00 | 2.24E-04 | SV2B | intronic |
| 3 | 110243528 | G | T | rs28836839 | 1.30E-05 | 0.070 | 0.038 | 1.89 | 1.34 | -2.66 | 5.57E-01 | 0.046 | 0.037 | 1.27 | 0.81 | -1.99 | 1.85 | 2.25E-04 | MIR4445(dist=921784), PVRL3-AS1(dist=520635) | intergenic |
| 16 | 51491597 | T | C | rs16949809 | 2.72E-05 | 0.167 | 0.116 | 1.54 | 1.23 | -1.92 | 6.64E-01 | 0.113 | 0.104 | 1.09 | 0.81 | -1.46 | 1.51 | 2.26E-04 | SALL1(dist=306414), LINC01571(dist=304833) | intergenic |
| 17 | 65246476 | A | G | rs113299812 | 4.42E-01 | 0.032 | 0.028 | 1.14 | 0.71 | -1.83 | 8.51E-07 | 0.060 | 0.025 | 2.46 | 1.63 | -3.72 | 2.23 | 2.27E-04 | HELZ(dist=5157), PSMD12(dist=90143) | intergenic |
| 15 | 91726499 | | | | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 16 | 58202089 | T | C | rs16959755 | 3.08E-01 | 0.040 | 0.030 | 1.36 | 0.89 | -2.08 | 2.57E-05 | 0.091 | 0.057 | 1.66 | 1.19 | -2.31 | 1.90 | 2.42E-04 | CSNK2A2 | intronic |
| 16 | 58212143 | T | C | rs27317448 | 2.92E-01 | 0.040 | 0.029 | 1.38 | 0.89 | -2.12 | 3.25E-05 | 0.090 | 0.056 | 1.66 | 1.19 | -2.32 | 1.90 | 2.42E-04 | CSNK2A2 | intronic |
| 6 | 32482990 | C | T | rs112281380 | 2.21E-05 | 0.345 | 0.444 | 0.75 | 0.63 | -0.88 | 3.01E-01 | 0.456 | 0.480 | 0.91 | 0.75 | -1.09 | 0.74 | 2.46E-04 | HLA-DRA(dist=70164), HLA-DRB5(dist=2164) | intergenic |
| 6 | 109737703 | G | A | rs9480951 | 2.20E-01 | 0.376 | 0.314 | 0.87 | 0.73 | -1.03 | 1.19E-05 | 0.468 | 0.383 | 0.71 | 0.58 | -0.85 | 0.77 | 2.46E-04 | PPLI6 | intronic |
| 16 | 58199203 | G | T | rs2242445 | 3.13E-01 | 0.040 | 0.029 | 1.37 | 0.9 | -2.11 | 2.66E-05 | 0.090 | 0.056 | 1.67 | 1.2 | -2.33 | 1.91 | 2.47E-04 | CSNK2A2 | intronic |
| 4 | 190058219 | T | C | rs72642052 | 1.50E-01 | 0.064 | 0.052 | 1.23 | 0.88 | -1.73 | 5.20E-05 | 0.097 | 0.058 | 1.72 | 1.25 | -2.38 | 1.82 | 2.48E-04 | LINC01060(dist=535157), LINC01262(dist=522541) | intergenic |
| 5 | 122158903 | A | C | rs7734793 | 3.10E-05 | 0.156 | 0.104 | 1.60 | 1.27 | -2.01 | 3.49E-01 | 0.128 | 0.114 | 1.15 | 0.87 | -1.52 | 1.46 | 2.50E-04 | SNX2 | intronic |
| 6 | 109736326 | C | T | rs35056702 | 3.00E-01 | 0.352 | 0.323 | 0.88 | 0.74 | -1.04 | 4.42E-06 | 0.448 | 0.359 | 0.69 | 0.57 | -0.83 | 0.77 | 2.50E-04 | PPLI6 | intronic |
| 7 | 86906632 | G | A | rs802105 | 1.59E-05 | 0.364 | 0.288 | 1.41 | 1.19 | -1.68 | 6.26E-01 | 0.288 | 0.274 | 1.07 | 0.87 | -1.32 | 1.30 | 2.51E-04 | TMEM243(dist=57601), TP53TG1(dist=48032) | intergenic |
| 3 | 110165006 | T | C | rs114555199 | 2.53E-05 | 0.066 | 0.036 | 1.90 | 1.33 | -2.7 | 4.55E-01 | 0.047 | 0.035 | 1.33 | 0.85 | -2.08 | 1.85 | 2.51E-04 | MIR4445(dist=843262), PVRL3-AS1(dist=599157) | intergenic |
| 17 | 75572789 | A | G | rs16970304 | 1.94E-05 | 0.043 | 0.085 | 0.49 | 0.33 | -0.71 | 5.86E-01 | 0.072 | 0.079 | 0.91 | 0.63 | -1.3 | 0.63 | 2.51E-04 | LOC100507351(dist=11686), LOC100132174(dist=146165) | intergenic |
| 15 | 91731925 | A | T | rs8031181 | 4.21E-06 | 0.071 | 0.037 | 1.97 | 1.4 | -2.77 | 8.13E-01 | 0.033 | 0.033 | 1.00 | 0.59 | -1.68 | 1.99 | 2.52E-04 | SV2B | intronic |
| 3 | 110201876 | C | T | rs9872591 | 1.64E-05 | 0.067 | 0.036 | 1.92 | 1.35 | -2.72 | 5.46E-01 | 0.045 | 0.036 | 1.29 | 0.82 | -2.02 | 1.85 | 2.52E-04 | MIR4445(dist=880132), PVRL3-AS1(dist=562287) | intergenic |
| 5 | 122126925 | T | C | rs59044296 | 1.72E-05 | 0.156 | 0.102 | 1.63 | 1.29 | -2.06 | 4.36E-01 | 0.126 | 0.114 | 1.12 | 0.84 | -1.48 | 1.46 | 2.52E-04 | SNX2 | intronic |
| 7 | 13388834 | T | A | rs115013210 | 1.99E-01 | 0.040 | 0.032 | 1.23 | 0.8 | -1.89 | 1.06E-05 | 0.063 | 0.029 | 2.27 | 1.53 | -3.38 | 2.03 | 2.53E-04 | ARL4A(dist=658276), ETV1(dist=542022) | intergenic |
| 1 | 152933023 | T | C | rs6587714 | 1.29E-06 | 0.313 | 0.226 | 0.64 | 0.53 | -0.77 | 8.88E-01 | 0.246 | 0.248 | 1.01 | 0.81 | -1.26 | 0.76 | 2.53E-04 | IVL(dist=48661), SPRR4(dist=10106) | intergenic |
| 15 | 41691063 | G | A | rs145163826 | 1.18E-05 | 0.075 | 0.045 | 1.73 | 1.25 | -2.4 | 7.22E-01 | 0.040 | 0.035 | 1.14 | 0.7 | -1.84 | 1.95 | 2.54E-04 | NDUFAF1 | intronic |
| 3 | 110158435 | G | A | rs57509690 | 2.56E-05 | 0.066 | 0.036 | 1.90 | 1.33 | -2.7 | 4.56E-01 | 0.047 | 0.036 | 1.33 | 0.85 | -2.08 | 1.85 | 2.54E-04 | MIR4445(dist=836691), PVRL3-AS1(dist=605728) | intergenic |
| 6 | 109738714 | A | G | rs17070580 | 2.69E-01 | 0.355 | 0.325 | 0.87 | 0.74 | -1.03 | 6.81E-06 | 0.448 | 0.361 | 0.70 | 0.58 | -0.84 | 0.77 | 2.55E-04 | PPLI6 | intronic |
| 16 | 58213970 | G | A | rs2731750 | 2.87E-01 | 0.040 | 0.029 | 1.38 | 0.9 | -2.11 | 3.77E-05 | 0.090 | 0.056 | 1.66 | 1.19 | -2.31 | 1.89 | 2.55E-04 | CSNK2A2 | intronic |
| 3 | 110201788 | G | A | rs9868883 | 1.67E-05 | 0.067 | 0.036 | 1.92 | 1.35 | -2.72 | 5.46E-01 | 0.045 | 0.036 | 1.29 | 0.82 | -2.02 | 1.85 | 2.55E-04 | MIR4445(dist=880044), PVRL3-AS1(dist=562375) | intergenic |
| 5 | 122159010 | C | G | rs7701026 | 3.11E-05 | 0.154 | 0.102 | 1.60 | 1.27 | -2.03 | 3.59E-01 | 0.124 | 0.110 | 1.14 | 0.86 | -1.52 | 1.46 | 2.57E-04 | SNX2 | intronic |
| 6 | 32454652 | C | T | rs113888165 | 4.27E-08 | 0.358 | 0.439 | 0.71 | 0.6 | -0.84 | 1.38E-04 | 0.376 | 0.450 | 0.74 | 0.61 | -0.89 | 0.62 | 2.57E-04 | HLA-DRA(dist=41826), HLA-DRB5(dist=30502) | intergenic |
| 7 | 143193686 | G | A | rs1404638 | 5.44E-06 | 0.061 | 0.118 | 0.49 | 0.35 | -0.67 | 9.36E-01 | 0.096 | 0.097 | 0.98 | 0.72 | -1.35 | 0.68 | 2.58E-04 | EPHA1-AS1 | ncRNA_intronic |
| 5 | 122192135 | G | A | rs59576507 | 2.69E-05 | 0.154 | 0.101 | 1.61 | 1.27 | -2.04 | 3.74E-01 | 0.124 | 0.111 | 1.14 | 0.86 | -1.52 | 1.46 | 2.58E-04 | SNX2A | intronic |
| 15 | 41647196 | C | T | rs184359290 | 1.97E-05 | 0.084 | 0.052 | 1.68 | 1.23 | -2.29 | 6.83E-01 | 0.049 | 0.044 | 1.14 | 0.74 | -1.75 | 1.80 | 2.59E-04 | NUSAP1 | intronic |
| 1 | 200498428 | C | T | rs4328101 | 1.95E-05 | 0.284 | 0.359 | 1.41 | 1.18 | -1.68 | 5.18E-01 | 0.337 | 0.348 | 1.05 | 0.86 | -1.28 | 1.31 | 2.61E-04 | ZNF281(dist=119242), KIF14(dist=22197) | intergenic |
| 6 | 32442836 | T | G | rs13211921 | 5.43E-05 | 0.209 | 0.275 | 0.69 | 0.57 | -0.85 | 2.29E-01 | 0.248 | 0.278 | 0.85 | 0.69 | -1.06 | 0.75 | 2.61E-04 | HLA-DRA(dist=30010), HLA-DRB5(dist=42318) | intergenic |
| 3 | 101614718 | T | C | rs6766357 | 3.03E-01 | 0.140 | 0.122 | 1.17 | 0.93 | -1.49 | 1.25E-05 | 0.196 | 0.129 | 1.64 | 1.29 | -2.09 | 1.42 | 2.61E-04 | NFKB1Z(dist=34849), LOC152225(dist=44985) | intergenic |
| 6 | 109742015 | G | A | rs9487094 | 2.56E-01 | 0.356 | 0.325 | 0.87 | 0.73 | -1.03 | 8.32E-06 | 0.448 | 0.362 | 0.70 | 0.58 | -0.84 | 0.77 | 2.61E-04 | PPLI6 | intronic |
| 6 | 32443820 | G | A | rs28895244 | 2.43E-05 | 0.296 | 0.369 | 0.72 | 0.6 | -0.86 | 3.24E-01 | 0.354 | 0.381 | 0.89 | 0.73 | -1.08 | 0.76 | 2.66E-04 | HLA-DRA(dist=30994), HLA-DRB5(dist=41334) | intergenic |
| 7 | 143188980 | C | G | rs10255417 | 5.73E-06 | 0.061 | 0.118 | 0.49 | 0.35 | -0.67 | 9.36E-01 | 0.096 | 0.097 | 0.98 | 0.72 | -1.35 | 0.68 | 2.66E-04 | EPHA1-AS1 | ncRNA_intronic |
| 12 | 68568949 | C | T | rs143498346 | 1.50E-01 | 0.050 | 0.042 | 1.22 | 0.83 | -1.78 | 5.01E-05 | 0.069 | 0.038 | 1.89 | 1.3 | -2.76 | 2.10 | 2.66E-04 | IFNG(dist=15428), IL26(dist=26180) | intergenic |
| 12 | 11860691 | C | T | rs60711165 | 5.61E-05 | 0.080 | 0.046 | 1.79 | 1.3 | -2.46 | 4.45E-01 | 0.059 | 0.050 | 1.19 | 0.8 | -1.77 | 1.78 | 2.67E-04 | ETV6 | intronic |
| 6 | 32453318 | T | C | rs35121819 | 2.53E-06 | 0.243 | 0.310 | 0.71 | 0.59 | -0.86 | 5.67E-01 | 0.323 | 0.346 | 0.90 | 0.74 | -1.1 | 0.74 | 2.67E-04 | HLA-DRA(dist=40492), HLA-DRB5(dist=31836) | intergenic |
| 2 | 47636563 | C | T | rs182535728 | 3.05E-05 | 0.057 | 0.034 | 1.71 | 1.18 | -2.47 | 5.82E-01 | 0.037 | 0.033 | 1.15 | 0.7 | -1.9 | 2.32 | 2.69E-04 | MSH2 | intronic |
| 5 | 122116739 | G | A | rs56007922 | 1.72E-05 | 0.155 | 0.101 | 1.63 | 1.29 | -2.06 | 4.52E-01 | 0.125 | 0.113 | 1.12 | 0.84 | -1.48 | 1.46 | 2.70E-04 | SNX2 | intronic |
| 5 | 122116089 | T | T | rs72794679 | 1.73E-05 | 0.155 | 0.101 | 1.63 | 1.29 | -2.06 | 4.52E-01 | 0.125 | 0.113 | 1.12 | 0.84 | -1.48 | 1.46 | 2.71E-04 | SNX2 | intronic |
| 3 | 110149702 | C | T | rs570086470;rs9883319 | 3.26E-05 | 0.066 | 0.036 | 1.88 | 1.32 | -2.67 | 4.46E-01 | 0.047 | 0.036 | 1.32 | 0.85 | -2.06 | 1.84 | 2.71E-04 | MIR4445(dist=827958), PVRL3-AS1(dist=614461) | intergenic |
| 6 | 32449726 | A | C | rs2187822 | 6.96E-06 | 0.340 | 0.409 | 0.74 | 0.63 | -0.88 | 4.21E-01 | 0.357 | 0.379 | 0.91 | 0.75 | -1.11 | 0.74 | 2.72E-04 | HLA-DRA(dist=36900), HLA-DRB5(dist=35428) | intergenic |
| 6 | 32472931 | T | G | rs75600369 | 4.60E-05 | 0.377 | 0.440 | 0.77 | 0.65 | -0.91 | 2.51E-01 | 0.445 | 0.474 | 0.89 | 0.74 | -1.07 | 0.74 | 2.72E-04 | HLA-DRA(dist=60105), HLA-DRB5(dist=12223) | intergenic |
| 10 | 74067715 | T | C | rs10733887 | 1.67E-01 | 0.495 | 0.459 | 0.87 | 0.74 | -1.02 | 3.13E-05 | 0.563 | 0.477 | 0.71 | 0.59 | -0.85 | 0.78 | 2.73E-04 | DDIT4(dist=31918), DNAJB12(dist=24873) | intergenic |
| 6 | 155422315 | A | G | rs58748232 | 4.85E-06 | 0.063 | 0.034 | 1.93 | 1.35 | -2.77 | 4.91E-01 | 0.044 | 0.036 | 1.21 | 0.77 | -1.93 | 2.00 | 2.75E-04 | TIAM2 | intronic |
| 3 | 110262741 | T | C | rs9867283 | 2.25E-05 | 0.071 | 0.040 | 1.84 | 1.31 | -2.58 | 5.39E-01 | 0.047 | 0.037 | 1.28 | 0.82 | -2 | 1.82 | 2.77E-04 | MIR4445(dist=940997), PVRL3-AS1(dist=501422) | intergenic |
| 6 | 32591198 | C | T | rs9271593 | 3.92E-05 | 0.423 | 0.505 | 0.72 | 0.61 | -0.85 | 2.73E-01 | 0.466 | 0.499 | 0.88 | 0.73 | -1.06 | 0.79 | 2.78E-04 | HLA-DRB1(dist=33585), HLA-DQA1(dist=13985) | intergenic |
| 6 | 109738106 | C | T | rs10080429 | 2.94E-01 | 0.352 | 0.323 | 0.88 | 0.74 | -1.04 | 5.65E-06 | 0.446 | 0.358 | 0.69 | 0.57 | -0.84 | 0.77 | 2.79E-04 | PPLI6 | intronic |
| 3 | 110271049 | C | T | rs13324518 | 2.32E-05 | 0.071 | 0.040 | 1.84 | 1.31 | -2.58 | 5.40E-01 | 0.047 | 0.037 | 1.28 | 0.82 | -2 | 1.81 | 2.79E-04 | MIR4445(dist=949305), PVRL3-AS1(dist=493114) | intergenic |
| 1 | 101260279 | C | T | rs112549688 | 2.40E-01 | 0.026 | 0.021 | 1.21 | 0.72 | -2.05 | 8.43E-06 | 0.043 | 0.020 | 2.17 | 1.35 | -3.49 | 2.83 | 2.80E-04 | VCAM1(dist=55678), EXTL2(dist=77649) | intergenic |
| 7 | 143199048 | A | G | rs4726629 | 4.88E-06 | 0.061 | 0.119 | 0.48 | 0.35 | -0.67 | 9.92E-01 | 0.096 | 0.096 | 0.99 | 0.72 | -1.37 | 0.68 | 2.81E-04 | EPHA1-AS1 | ncRNA_intronic |
| 2 | 239414424 | C | A | rs115202552 | 1.94E-05 | 0.058 | 0.036 | 1.65 | 1.14 | -2.37 | 5.45E-01 | 0.041 | 0.035 | 1.16 | 0.72 | -1.87 | 2.36 | 2.83E-04 | ASB1(dist=53533), LINC01107(dist=4907) | intergenic |
| 2 | 151423741 | G | A | rs142652536 | 5.52E-05 | 0.062 | 0.037 | 1.73 | 1.21 | -2.48 | 5.92E-01 | 0.032 | 0.027 | 1.18 | 0.69 | -2.02 | 2.13 | 2.83E-04 | LOC101929260 | ncRNA_intronic |
| 11 | 68020162 | G | A | rs6591336 | 2.92E-01 | 0.161 | 0.138 | 1.20 | 0.96 | -1.5 | 2.69E-05 | 0.232 | 0.168 | 1.50 | 1.2 | -1.88 | 1.39 | 2.84E-04 | SUV420H1(dist=38923), C11orf24(dist=8641) | intergenic |
| 3 | 184517071 | A | T | rs7611491 | 1.25E-05 | 0.374 | 0.449 | 0.73 | 0.62 | -0.87 | 6.54E-01 | 0.409 | 0.409 | 1.00 | 0.83 | -1.21 | 0.73 | 2.84E-04 | LOC101928992(dist=26128), VPS8(dist=12860) | intergenic |
| 6 | 32676547 | G | A | rs142373984 | 4.11E-05 | 0.129 | 0.088 | 1.55 | 1.2 | -1.99 | 2.71E-01 | 0.097 | 0.078 | 1.26 | 0.92 | -1.74 | 1.59 | 2.86E-04 | HLA-DQB1(dist=42081), HLA-DQA2(dist=32616) | intergenic |
| 5 | 13457782 | T | C | rs13354360 | 7.55E-01 | 0.064 | 0.060 | 1.07 | 0.77 | -1.5 | 1.25E-07 | 0.119 | 0.070 | 1.80 | 1.34 | -2.41 | 1.69 | 2.87E-04 | LINC01194(dist=652487), DNAH5(dist=232655) | intergenic |
| 18 | 9440133 | C | A | rs11660100 | 3.98E-05 | 0.189 | 0.243 | 0.73 | 0.59 | -0.89 | 4.58E-01 | 0.240 | 0.257 | 0.91 | 0.73 | -1.14 | 0.72 | 2.88E-04 | TWGS1(dist=37715), RALBP1(dist=35397) | intergenic |
| 5 | 122141810 | T | C | rs114963715 | 1.26E-05 | 0.167 | 0.111 | 1.61 | 1.29 | -2.02 | 5.03E | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 13 | 104859589 | A | C | rs193147799 | 3.38E-05 | 0.056 | 0.032 | 1.80 | 1.23 | -2.62 | 4.71E-01 | 0.040 | 0.034 | 1.19 | 0.74 | -1.93 | 2.18 | 3.10E-04 | LINC01309(dist=779554), DAOA-AS1(dist=1251817) | intergenic |
| 5 | 100650102 | C | A | rs115047053 | 7.04E-06 | 0.312 | 0.401 | 0.68 | 0.57 | -0.8 | 6.09E-01 | 0.380 | 0.380 | 1.00 | 0.82 | -1.21 | 0.78 | 3.10E-04 | ST8SIA4(dist=411113), SLC04C1(dist=919590) | intergenic |
| 3 | 110292420 | A | G | rs12330129 | 2.80E-05 | 0.071 | 0.040 | 1.82 | 1.3 | -2.55 | 5.35E-01 | 0.047 | 0.037 | 1.28 | 0.82 | -2 | 1.81 | 3.12E-04 | MIR4445(dist=970676), PVRL3-AS1(dist=471743) | intergenic |
| 7 | 41272211 | G | T | rs7793245 | 1.41E-01 | 0.101 | 0.088 | 1.16 | 0.89 | -1.53 | 4.77E-05 | 0.130 | 0.080 | 1.72 | 1.29 | -2.28 | 1.55 | 3.13E-04 | LINC01449(dist=99112), INHBA(dist=456390) | intergenic |
| 11 | 68021893 | G | A | rs10791967 | 2.91E-01 | 0.164 | 0.140 | 1.20 | 0.96 | -1.5 | 3.15E-05 | 0.233 | 0.169 | 1.50 | 1.2 | -1.87 | 1.38 | 3.13E-04 | SUV420H1(dist=40654), C11orf24(dist=6910) | intergenic |
| 11 | 128564996 | T | C | rs7945814 | 4.17E-05 | 0.336 | 0.259 | 0.69 | 0.58 | -0.82 | 4.70E-01 | 0.281 | 0.268 | 0.93 | 0.76 | -1.15 | 0.77 | 3.14E-04 | SENCR | ncRNA_intronic |
| 3 | 110292148 | T | C | rs12330749 | 2.80E-05 | 0.071 | 0.040 | 1.82 | 1.3 | -2.55 | 5.38E-01 | 0.047 | 0.037 | 1.28 | 0.82 | -2 | 1.80 | 3.15E-04 | MIR4445(dist=970404), PVRL3-AS1(dist=472015) | intergenic |
| 6 | 32501379 | A | C | rs72851018 | 1.88E-05 | 0.188 | 0.250 | 0.70 | 0.57 | -0.86 | 4.01E-01 | 0.214 | 0.235 | 0.89 | 0.7 | -1.11 | 0.72 | 3.15E-04 | HLA-DRB5(dist=3373), HLA-DRB6(dist=19111) | intergenic |
| 6 | 32449160 | G | T | rs9394099 | 1.19E-05 | 0.188 | 0.255 | 0.68 | 0.55 | -0.83 | 3.49E-01 | 0.261 | 0.287 | 0.87 | 0.71 | -1.08 | 0.75 | 3.17E-04 | HLA-DRA(dist=36334), HLA-DRB5(dist=35994) | intergenic |
| 15 | 91732596 | T | G | rs386786417;rs8040672 | 5.84E-06 | 0.070 | 0.037 | 1.94 | 1.38 | -2.73 | 8.48E-01 | 0.034 | 0.033 | 1.01 | 0.6 | -1.7 | 1.99 | 3.18E-04 | SV2B | intronic |
| 15 | 91732594 | A | G | rs8036378;rs386786417 | 5.85E-06 | 0.070 | 0.037 | 1.94 | 1.38 | -2.73 | 8.48E-01 | 0.034 | 0.033 | 1.01 | 0.6 | -1.7 | 1.99 | 3.18E-04 | SV2B | intronic |
| 3 | 83751835 | T | C | rs113761783 | 3.77E-05 | 0.252 | 0.171 | 1.63 | 1.34 | -1.98 | 4.66E-01 | 0.205 | 0.209 | 0.97 | 0.77 | -1.23 | 1.36 | 3.19E-04 | GBE1(dist=1940885), LINC00971(dist=935721) | intergenic |
| 6 | 109744533 | T | A | rs9480955 | 3.08E-01 | 0.352 | 0.323 | 0.88 | 0.74 | -1.04 | 6.19E-06 | 0.448 | 0.361 | 0.70 | 0.58 | -0.84 | 0.78 | 3.20E-04 | PPL6 | intergenic |
| 17 | 65166258 | G | A | rs73343163 | 5.23E-01 | 0.025 | 0.022 | 1.13 | 0.66 | -1.91 | 7.23E-07 | 0.052 | 0.021 | 2.51 | 1.61 | -3.9 | 2.46 | 3.21E-04 | HELZ | intronic |
| 17 | 65095476 | C | T | rs73340992 | 5.11E-01 | 0.026 | 0.023 | 1.12 | 0.67 | -1.88 | 2.14E-06 | 0.054 | 0.023 | 2.45 | 1.59 | -3.77 | 2.39 | 3.22E-04 | HELZ | intronic |
| 6 | 109744690 | T | C | rs9320287 | 3.09E-01 | 0.352 | 0.323 | 0.88 | 0.74 | -1.04 | 6.24E-06 | 0.448 | 0.361 | 0.70 | 0.58 | -0.84 | 0.78 | 3.22E-04 | PPL6 | intronic |
| 7 | 41268260 | G | A | rs58268206 | 1.42E-01 | 0.101 | 0.088 | 1.16 | 0.89 | -1.53 | 4.84E-05 | 0.130 | 0.080 | 1.72 | 1.29 | -2.28 | 1.55 | 3.23E-04 | LINC01449(dist=95161), INHBA(dist=460341) | intergenic |
| 6 | 32455168 | C | T | rs114220057 | 1.38E-05 | 0.388 | 0.453 | 0.76 | 0.65 | -0.9 | 4.41E-01 | 0.430 | 0.454 | 0.91 | 0.75 | -1.1 | 0.74 | 3.23E-04 | HLA-DRA(dist=42342), HLA-DRB5(dist=29986) | intergenic |
| 7 | 41267211 | C | T | rs56865647 | 1.42E-01 | 0.101 | 0.088 | 1.16 | 0.89 | -1.53 | 4.78E-05 | 0.130 | 0.080 | 1.72 | 1.29 | -2.28 | 1.55 | 3.23E-04 | LINC01449(dist=94112), INHBA(dist=461390) | intergenic |
| 20 | 8193619 | T | G | rs6055657 | 3.19E-01 | 0.090 | 0.080 | 1.14 | 0.85 | -1.51 | 2.32E-05 | 0.132 | 0.074 | 1.91 | 1.44 | -2.53 | 1.53 | 3.24E-04 | PLCB1 | intronic |
| 6 | 32472934 | A | G | rs77290417 | 5.54E-05 | 0.374 | 0.436 | 0.77 | 0.65 | -0.92 | 2.59E-01 | 0.446 | 0.474 | 0.89 | 0.74 | -1.08 | 0.74 | 3.25E-04 | HLA-DRA(dist=60108), HLA-DRB5(dist=12220) | intergenic |
| 3 | 32449138 | C | T | rs9394098 | 1.78E-05 | 0.195 | 0.261 | 0.69 | 0.56 | -0.84 | 3.26E-01 | 0.260 | 0.288 | 0.87 | 0.7 | -1.08 | 0.75 | 3.25E-04 | HLA-DRA(dist=36312), HLA-DRB5(dist=36016) | intergenic |
| 14 | 38719281 | C | T | rs10444703 | 3.34E-05 | 0.124 | 0.080 | 1.64 | 1.27 | -2.12 | 4.12E-01 | 0.096 | 0.091 | 1.06 | 0.77 | -1.46 | 1.63 | 3.26E-04 | SSTR1(dist=37013), CLEC14A(dist=3924) | intergenic |
| 5 | 122102994 | C | G | rs55788388 | 3.06E-05 | 0.152 | 0.101 | 1.60 | 1.27 | -2.03 | 4.07E-01 | 0.126 | 0.113 | 1.13 | 0.85 | -1.5 | 1.45 | 3.26E-04 | LOC101927379(dist=36739), SNX2(dist=7697) | intergenic |
| 7 | 41265104 | G | A | rs61129066 | 1.43E-01 | 0.100 | 0.088 | 1.16 | 0.88 | -1.53 | 4.70E-05 | 0.130 | 0.080 | 1.72 | 1.29 | -2.28 | 1.55 | 3.26E-04 | LINC01449(dist=92005), INHBA(dist=463497) | intergenic |
| 7 | 41264611 | C | T | rs59955258 | 1.43E-01 | 0.100 | 0.088 | 1.16 | 0.88 | -1.53 | 4.70E-05 | 0.130 | 0.080 | 1.72 | 1.29 | -2.28 | 1.55 | 3.27E-04 | LINC01449(dist=91512), INHBA(dist=463990) | intergenic |
| 7 | 41264654 | G | A | rs58589699 | 1.43E-01 | 0.100 | 0.088 | 1.16 | 0.88 | -1.53 | 4.70E-05 | 0.130 | 0.080 | 1.72 | 1.29 | -2.28 | 1.55 | 3.28E-04 | LINC01449(dist=91555), INHBA(dist=463947) | intergenic |
| 16 | 87492518 | T | G | rs34026066 | 1.38E-05 | 0.072 | 0.032 | 2.35 | 1.66 | -3.33 | 4.95E-01 | 0.067 | 0.065 | 1.03 | 0.71 | -1.5 | 1.79 | 3.28E-04 | ZCCHC14 | intronic |
| 7 | 41263887 | C | T | rs59091698 | 1.43E-01 | 0.100 | 0.088 | 1.16 | 0.88 | -1.53 | 4.70E-05 | 0.130 | 0.080 | 1.72 | 1.29 | -2.28 | 1.55 | 3.29E-04 | LINC01449(dist=90788), INHBA(dist=464714) | intergenic |
| 7 | 141816195 | T | A | rs386718616;rs57652679 | 5.56E-05 | 0.547 | 0.457 | 0.70 | 0.59 | -0.82 | 5.84E-01 | 0.444 | 0.448 | 0.98 | 0.81 | -1.19 | 0.78 | 3.32E-04 | LOC93432 | intronic |
| 20 | 8192229 | T | A | rs58911268 | 3.22E-01 | 0.090 | 0.080 | 1.13 | 0.85 | -1.51 | 2.20E-05 | 0.131 | 0.073 | 1.91 | 1.43 | -2.53 | 1.53 | 3.33E-04 | PLCB1 | intronic |
| 6 | 32534421 | A | T | rs112073772 | 3.27E-05 | 0.171 | 0.225 | 0.71 | 0.57 | -0.88 | 2.61E-01 | 0.242 | 0.271 | 0.86 | 0.69 | -1.07 | 0.72 | 3.35E-04 | HLA-DRB6(dist=6642), HLA-DRB1(dist=12126) | intergenic |
| 7 | 41263512 | C | T | rs73687963 | 1.45E-01 | 0.100 | 0.088 | 1.16 | 0.88 | -1.53 | 4.74E-05 | 0.130 | 0.080 | 1.71 | 1.29 | -2.28 | 1.55 | 3.36E-04 | LINC01449(dist=90413), INHBA(dist=465089) | intergenic |
| 2 | 45127240 | T | C | rs114083662 | 1.44E-01 | 0.104 | 0.092 | 1.15 | 0.88 | -1.5 | 2.87E-05 | 0.124 | 0.073 | 1.78 | 1.33 | -2.38 | 1.54 | 3.37E-04 | CAMKMT(dist=127509), SIX3-AS1(dist=40053) | intergenic |
| 7 | 41258437 | C | A | rs60939619 | 1.46E-01 | 0.100 | 0.088 | 1.16 | 0.88 | -1.53 | 4.62E-05 | 0.130 | 0.080 | 1.71 | 1.29 | -2.27 | 1.55 | 3.37E-04 | LINC01449(dist=85338), INHBA(dist=470164) | intergenic |
| 6 | 32452409 | G | C | rs71543455 | 3.05E-05 | 0.201 | 0.264 | 0.70 | 0.57 | -0.85 | 2.95E-01 | 0.254 | 0.283 | 0.86 | 0.7 | -1.07 | 0.75 | 3.37E-04 | HLA-DRA(dist=39583), HLA-DRB5(dist=32745) | intergenic |
| 3 | 110269712 | C | A | rs2036968 | 2.96E-06 | 0.139 | 0.089 | 0.61 | 0.47 | -0.77 | 9.83E-01 | 0.095 | 0.087 | 0.92 | 0.66 | -1.26 | 0.67 | 3.39E-04 | MIR4445(dist=947968), PVRL3-AS1(dist=494451) | intergenic |
| 3 | 83743988 | A | G | rs13093756 | 4.28E-05 | 0.251 | 0.171 | 1.62 | 1.34 | -1.97 | 4.58E-01 | 0.205 | 0.209 | 0.97 | 0.77 | -1.23 | 1.36 | 3.42E-04 | GBE1(dist=1933038), LINC00971(dist=943568) | intergenic |
| 7 | 41270166 | C | T | rs80101642 | 1.45E-01 | 0.101 | 0.089 | 1.16 | 0.88 | -1.53 | 5.06E-05 | 0.129 | 0.080 | 1.72 | 1.29 | -2.28 | 1.55 | 3.43E-04 | LINC01449(dist=97067), INHBA(dist=458435) | intergenic |
| 3 | 83767891 | T | A | rs4856234 | 5.93E-05 | 0.249 | 0.170 | 1.62 | 1.34 | -1.97 | 4.11E-01 | 0.205 | 0.208 | 0.98 | 0.78 | -1.24 | 1.36 | 3.43E-04 | LINC1(dist=1956941), LINC00971(dist=919665) | intergenic |
| 7 | 41270635 | C | T | rs74514157 | 1.45E-01 | 0.101 | 0.089 | 1.16 | 0.88 | -1.52 | 5.05E-05 | 0.129 | 0.080 | 1.72 | 1.29 | -2.28 | 1.55 | 3.43E-04 | LINC01449(dist=97536), INHBA(dist=457966) | intergenic |
| 7 | 41269369 | T | C | rs74423168 | 1.45E-01 | 0.101 | 0.088 | 1.16 | 0.88 | -1.53 | 5.03E-05 | 0.130 | 0.080 | 1.72 | 1.29 | -2.28 | 1.55 | 3.44E-04 | LINC01449(dist=96270), INHBA(dist=452232) | intergenic |
| 3 | 40408836 | C | T | rs7612051 | 6.15E-05 | 0.323 | 0.419 | 0.66 | 0.56 | -0.79 | 4.47E-01 | 0.339 | 0.342 | 0.99 | 0.81 | -1.21 | 0.78 | 3.45E-04 | EIF1B(dist=54921), ENTPD3(dist=19811) | intergenic |
| 8 | 97389774 | C | T | rs17709959 | 4.39E-05 | 0.288 | 0.361 | 0.72 | 0.6 | -0.85 | 5.51E-01 | 0.340 | 0.357 | 0.93 | 0.76 | -1.13 | 0.78 | 3.45E-04 | LOC102724804 | ncRNA_intronic |
| 3 | 110270929 | G | A | rs13324533 | 3.51E-05 | 0.073 | 0.042 | 1.80 | 1.29 | -2.5 | 5.29E-01 | 0.048 | 0.038 | 1.28 | 0.82 | -1.99 | 1.78 | 3.47E-04 | MIR4445(dist=949185), PVRL3-AS1(dist=493234) | intergenic |
| 16 | 76968079 | A | G | rs74864534 | 2.21E-05 | 0.133 | 0.086 | 1.63 | 1.27 | -2.09 | 6.31E-01 | 0.099 | 0.089 | 1.12 | 0.82 | -1.53 | 1.51 | 3.47E-04 | MIR4719(dist=65163), MON1B(dist=256737) | intergenic |
| 6 | 32590501 | A | C | rs9271573 | 4.30E-05 | 0.425 | 0.506 | 0.72 | 0.61 | -0.85 | 3.07E-01 | 0.466 | 0.496 | 0.89 | 0.73 | -1.07 | 0.79 | 3.48E-04 | HLA-DRB1(dist=32888), HLA-DQA1(dist=146882) | intergenic |
| 6 | 32446307 | C | T | rs17203549 | 2.72E-05 | 0.209 | 0.275 | 0.70 | 0.57 | -0.85 | 3.16E-01 | 0.273 | 0.301 | 0.87 | 0.71 | -1.08 | 0.75 | 3.48E-04 | HLA-DRA(dist=33481), HLA-DRB5(dist=38847) | intergenic |
| 19 | 15162732 | G | C | rs78781651 | 1.30E-05 | 0.055 | 0.029 | 1.96 | 1.34 | -2.88 | 7.11E-01 | 0.030 | 0.026 | 1.17 | 0.67 | -2.02 | 2.11 | 3.50E-04 | CASP14 | intronic |
| 20 | 8193532 | C | T | rs6055656 | 3.19E-01 | 0.090 | 0.080 | 1.14 | 0.85 | -1.51 | 4.68E-06 | 0.123 | 0.070 | 1.85 | 1.38 | -2.48 | 1.58 | 3.50E-04 | PLCB1 | intronic |
| 2 | 107141084 | G | A | rs4595968 | 3.95E-05 | 0.098 | 0.062 | 0.61 | 0.46 | -0.81 | 5.03E-01 | 0.065 | 0.056 | 0.85 | 0.58 | -1.25 | 0.60 | 3.50E-04 | RGPD3(dist=56283), ST6GAL2(dist=276972) | intergenic |
| 3 | 83757155 | T | C | rs2177654 | 5.13E-05 | 0.251 | 0.171 | 1.63 | 1.34 | -1.97 | 4.42E-01 | 0.205 | 0.209 | 0.98 | 0.78 | -1.23 | 1.36 | 3.54E-04 | GBE1(dist=1946205), LINC00971(dist=930401) | intergenic |
| 4 | 16895803 | A | G | rs57695492 | 4.60E-06 | 0.183 | 0.127 | 1.53 | 1.23 | -1.9 | 9.71E-01 | 0.124 | 0.119 | 1.04 | 0.79 | -1.39 | 1.45 | 3.54E-04 | LDB2 | intronic |
| 5 | 122111005 | G | T | rs2276988 | 2.74E-05 | 0.152 | 0.100 | 1.61 | 1.28 | -2.04 | 4.47E-01 | 0.124 | 0.113 | 1.12 | 0.84 | -1.49 | 1.45 | 3.55E-04 | SNX2(NM_001278199;c.-24507G>T) | UTR5 |
| 5 | 122111339 | T | C | rs6880015 | 2.75E-05 | 0.153 | 0.101 | 1.62 | 1.28 | -2.04 | 4.50E-01 | 0.125 | 0.113 | 1.12 | 0.84 | -1.48 | 1.45 | 3.56E-04 | SNX2(NM_001278199;c.-24173T>C) | UTR5 |
| 2 | 134376203 | G | A | rs137977287 | 1.68E-05 | 0.192 | 0.269 | 0.65 | 0.53 | -0.79 | 6.36E-01 | 0.236 | | | | | | | | |

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|----|-----------|---|---|------------------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 3 | 110291731 | A | G | rs12695213 | 4.15E-05 | 0.074 | 0.043 | 1.78 | 1.28 | -2.48 | 5.27E-01 | 0.048 | 0.038 | 1.28 | 0.82 | -1.99 | 1.77 | 3.87E-04 | MIR4445(dist=969987), PVRL3-AS1(dist=472432) | intergenic |
| 3 | 110286517 | G | A | rs13315083 | 4.11E-05 | 0.074 | 0.043 | 1.78 | 1.28 | -2.48 | 5.30E-01 | 0.048 | 0.038 | 1.28 | 0.82 | -1.99 | 1.77 | 3.88E-04 | MIR4445(dist=964773), PVRL3-AS1(dist=477646) | intergenic |
| 3 | 110290342 | A | G | rs79102290 | 4.16E-05 | 0.074 | 0.043 | 1.78 | 1.28 | -2.48 | 5.27E-01 | 0.048 | 0.038 | 1.28 | 0.82 | -1.99 | 1.77 | 3.88E-04 | MIR4445(dist=968598), PVRL3-AS1(dist=473821) | intergenic |
| 11 | 128571710 | T | C | rs594479 | 2.13E-05 | 0.349 | 0.269 | 0.68 | 0.58 | -0.81 | 8.69E-01 | 0.282 | 0.282 | 1.00 | 0.81 | -1.23 | 0.76 | 3.91E-04 | FLI1 | intronic |
| 12 | 49635846 | C | T | rs12579189 | 1.82E-01 | 0.032 | 0.023 | 1.37 | 0.85 | -2.22 | 5.81E-05 | 0.049 | 0.025 | 2.05 | 1.32 | -3.21 | 2.19 | 3.92E-04 | TUBA1C | intronic |
| 19 | 52492362 | A | T | rs16983336 | 3.94E-01 | 0.039 | 0.030 | 1.28 | 0.83 | -1.97 | 4.06E-06 | 0.065 | 0.031 | 2.16 | 1.46 | -3.19 | 1.95 | 3.92E-04 | ZNF350(dist=2283), ZNF615(dist=2225) | intergenic |
| 6 | 32597064 | G | A | rs74927567 | 4.51E-05 | 0.410 | 0.489 | 0.73 | 0.62 | -0.86 | 3.14E-01 | 0.469 | 0.499 | 0.89 | 0.73 | -1.07 | 0.79 | 3.96E-04 | HLA-DRB1(dist=39451), HLA-DQA1(dist=8119) | intergenic |
| 13 | 71311721 | T | C | rs12876111 | 2.03E-01 | 0.103 | 0.081 | 1.31 | 1 | -1.72 | 5.04E-05 | 0.158 | 0.110 | 1.52 | 1.17 | -1.97 | 1.50 | 3.96E-04 | ATXN8OS(dist=597836), LINC00348(dist=277552) | intergenic |
| 6 | 32446071 | C | G | rs17203514 | 3.84E-05 | 0.204 | 0.272 | 0.69 | 0.56 | -0.84 | 3.21E-01 | 0.261 | 0.289 | 0.87 | 0.7 | -1.07 | 0.76 | 3.97E-04 | HLA-DRA(dist=33245), HLA-DRB5(dist=39083) | intergenic |
| 11 | 128564794 | A | C | rs7930515 | 4.01E-05 | 0.332 | 0.257 | 0.69 | 0.58 | -0.83 | 5.16E-01 | 0.286 | 0.274 | 0.94 | 0.77 | -1.16 | 0.77 | 3.98E-04 | SENCR | ncRNA_intronic |
| 5 | 141086688 | T | C | rs74947859 | 4.53E-05 | 0.061 | 0.032 | 1.98 | 1.37 | -2.85 | 4.54E-01 | 0.049 | 0.045 | 1.09 | 0.7 | -1.68 | 1.94 | 3.99E-04 | ARAP3(dist=24888), PCDH11(dist=145988) | intergenic |
| 7 | 86887851 | G | T | rs55677500 | 2.98E-05 | 0.319 | 0.251 | 1.40 | 1.17 | -1.67 | 5.97E-01 | 0.263 | 0.250 | 1.07 | 0.87 | -1.32 | 1.31 | 3.99E-04 | TMEM243(dist=38820), TP53TG1(dist=66813) | intergenic |
| 4 | 118427044 | T | C | rs73853449 | 1.39E-05 | 0.053 | 0.024 | 2.27 | 1.52 | -3.39 | 9.31E-01 | 0.024 | 0.022 | 1.08 | 0.58 | -1.99 | 2.11 | 4.00E-04 | LINC01378 | ncRNA_intronic |
| 3 | 83766742 | T | A | rs1404427 | 6.44E-05 | 0.250 | 0.170 | 1.63 | 1.34 | -1.97 | 4.33E-01 | 0.206 | 0.209 | 0.98 | 0.78 | -1.23 | 1.35 | 4.00E-04 | GBE1(dist=1955792), LINC00971(dist=920814) | intergenic |
| 3 | 40382893 | A | G | rs386660383;rs6772883 | 6.33E-05 | 0.299 | 0.391 | 0.66 | 0.56 | -0.79 | 4.88E-01 | 0.311 | 0.313 | 0.99 | 0.81 | -1.21 | 0.78 | 4.01E-04 | EIF1B(dist=28978), ENTPD3(dist=45754) | intergenic |
| 3 | 40382892 | C | T | rs6808818;rs386660383 | 2.73E-05 | 0.204 | 0.400 | 0.65 | 0.55 | -0.78 | 6.55E-01 | 0.325 | 0.322 | 1.01 | 0.83 | -1.24 | 0.78 | 4.03E-04 | EIF1B(dist=28977), ENTPD3(dist=45755) | intergenic |
| 19 | 52492480 | C | T | rs17695936 | 4.03E-01 | 0.038 | 0.030 | 1.28 | 0.83 | -1.97 | 4.06E-06 | 0.065 | 0.031 | 2.16 | 1.46 | -3.19 | 1.95 | 4.10E-04 | ZNF350(dist=2401), ZNF615(dist=2107) | intergenic |
| 7 | 41250458 | C | T | rs6974916 | 1.67E-01 | 0.100 | 0.088 | 1.15 | 0.88 | -1.51 | 4.29E-05 | 0.132 | 0.082 | 1.71 | 1.29 | -2.26 | 1.54 | 4.12E-04 | LINC01449(dist=77359), INHBA(dist=478143) | intergenic |
| 10 | 89376795 | A | C | rs80113577 | 1.86E-01 | 0.036 | 0.030 | 1.21 | 0.78 | -1.88 | 3.26E-05 | 0.056 | 0.028 | 2.10 | 1.38 | -3.2 | 2.14 | 4.12E-04 | MINPP1(dist=63577), PAPSS2(dist=42681) | intergenic |
| 11 | 113860389 | C | T | rs35944954 | 7.09E-06 | 0.049 | 0.023 | 2.22 | 1.46 | -3.36 | 7.61E-01 | 0.030 | 0.026 | 1.15 | 0.67 | -2 | 2.08 | 4.13E-04 | HTR3A | exonic |
| 10 | 89376750 | C | T | rs115679165 | 1.86E-01 | 0.036 | 0.030 | 1.21 | 0.78 | -1.88 | 3.28E-05 | 0.056 | 0.028 | 2.10 | 1.38 | -3.2 | 2.14 | 4.15E-04 | MINPP1(dist=63532), PAPSS2(dist=42726) | intergenic |
| 18 | 6743428 | T | A | rs73380739 | 1.32E-01 | 0.069 | 0.059 | 1.19 | 0.86 | -1.64 | 2.01E-05 | 0.087 | 0.054 | 1.69 | 1.2 | -2.37 | 1.83 | 4.18E-04 | LINC01387(dist=152776), ARHGAP28(dist=91004) | intergenic |
| 18 | 59584006 | G | A | rs9956020 | 1.26E-01 | 0.113 | 0.101 | 1.14 | 0.88 | -1.48 | 6.33E-05 | 0.129 | 0.083 | 1.65 | 1.24 | -2.19 | 1.57 | 4.18E-04 | RNF152(dist=23702), PIGN(dist=127452) | intergenic |
| 11 | 117485096 | C | T | rs116540844 | 3.24E-01 | 0.061 | 0.054 | 1.12 | 0.79 | -1.58 | 3.79E-06 | 0.081 | 0.043 | 1.94 | 1.36 | -2.76 | 1.82 | 4.19E-04 | DSCAML1 | intronic |
| 5 | 100807345 | G | T | rs462013 | 2.46E-06 | 0.337 | 0.239 | 1.62 | 1.36 | -1.93 | 9.21E-01 | 0.269 | 0.281 | 0.94 | 0.76 | -1.16 | 1.31 | 4.20E-04 | STBSIA4(dist=568356), SLCO4C1(dist=762347) | intergenic |
| 3 | 142582639 | T | C | rs9871046 | 5.24E-05 | 0.540 | 0.478 | 1.28 | 1.09 | -1.51 | 4.67E-01 | 0.500 | 0.464 | 1.15 | 0.96 | -1.39 | 1.27 | 4.21E-04 | PCOLCE2 | intronic |
| 6 | 32453338 | C | T | rs75259234 | 4.75E-05 | 0.194 | 0.253 | 0.71 | 0.58 | -0.87 | 2.69E-01 | 0.245 | 0.275 | 0.86 | 0.69 | -1.07 | 0.75 | 4.21E-04 | HLA-DRA(dist=40512), HLA-DRB5(dist=31816) | intergenic |
| 1 | 200498000 | T | C | rs10919963 | 5.07E-05 | 0.282 | 0.357 | 1.41 | 1.18 | -1.69 | 5.28E-01 | 0.333 | 0.344 | 1.05 | 0.86 | -1.28 | 1.29 | 4.21E-04 | ZNF281(dist=118814), KIF14(dist=22625) | intergenic |
| 11 | 128578047 | T | G | rs635887 | 1.97E-05 | 0.342 | 0.263 | 0.69 | 0.58 | -0.82 | 6.73E-01 | 0.275 | 0.268 | 0.96 | 0.78 | -1.19 | 0.77 | 4.27E-04 | FLI1 | intronic |
| 10 | 97239781 | T | C | rs7089306 | 2.87E-05 | 0.382 | 0.466 | 1.42 | 1.2 | -1.67 | 5.44E-01 | 0.425 | 0.439 | 1.06 | 0.88 | -1.28 | 1.26 | 4.27E-04 | SORBS1 | intronic |
| 3 | 83767901 | G | A | rs4856235 | 5.56E-05 | 0.249 | 0.169 | 1.63 | 1.34 | -1.97 | 4.59E-01 | 0.210 | 0.214 | 0.97 | 0.77 | -1.23 | 1.35 | 4.29E-04 | GBE1(dist=1956951), LINC00971(dist=919655) | intergenic |
| 11 | 68020345 | G | A | rs7950910 | 2.84E-01 | 0.167 | 0.144 | 1.19 | 0.96 | -1.49 | 5.70E-05 | 0.233 | 0.171 | 1.48 | 1.18 | -1.84 | 1.37 | 4.30E-04 | SUV420H1(dist=39106), C11orf24(dist=8458) | intergenic |
| 11 | 17319518 | A | G | rs189464305 | 5.63E-01 | 0.033 | 0.028 | 1.18 | 0.74 | -1.86 | 9.52E-07 | 0.079 | 0.047 | 1.74 | 1.22 | -2.47 | 2.07 | 4.34E-04 | NUCB2 | intronic |
| 7 | 41248907 | G | A | rs59138481 | 1.76E-01 | 0.101 | 0.089 | 1.15 | 0.87 | -1.51 | 4.15E-05 | 0.132 | 0.082 | 1.71 | 1.29 | -2.26 | 1.53 | 4.41E-04 | LINC01449(dist=75808), INHBA(dist=479694) | intergenic |
| 2 | 22942789 | G | C | rs13430648 | 1.04E-05 | 0.087 | 0.048 | 1.90 | 1.4 | -2.59 | 8.52E-01 | 0.049 | 0.044 | 1.11 | 0.72 | -1.71 | 1.68 | 4.43E-04 | LOC102723362(dist=181630), KLHL29(dist=665509) | intergenic |
| 8 | 96065878 | G | A | rs9297952 | 1.75E-01 | 0.104 | 0.081 | 1.32 | 1 | -1.73 | 5.68E-05 | 0.139 | 0.107 | 1.35 | 1.03 | -1.77 | 1.63 | 4.44E-04 | NDUFAF6 | intronic |
| 1 | 161540857 | T | A | rs67418890 | 3.30E-01 | 0.040 | 0.030 | 1.38 | 0.9 | -2.11 | 2.39E-05 | 0.057 | 0.031 | 1.87 | 1.23 | -2.83 | 2.27 | 4.45E-04 | FCGR3A(dist=20444), FCGR2C(dist=10272) | intergenic |
| 2 | 22943003 | A | G | rs13419300 | 1.05E-05 | 0.087 | 0.048 | 1.90 | 1.4 | -2.59 | 8.52E-01 | 0.049 | 0.044 | 1.11 | 0.72 | -1.71 | 1.68 | 4.46E-04 | LOC102723362(dist=181844), KLHL29(dist=665295) | intergenic |
| 10 | 108247678 | T | C | rs79373912 | 1.37E-05 | 0.105 | 0.065 | 1.68 | 1.27 | -2.21 | 6.79E-01 | 0.078 | 0.072 | 1.09 | 0.77 | -1.55 | 1.64 | 4.49E-04 | LOC101927549(dist=667587), SORCS1(dist=85743) | intergenic |
| 6 | 32446922 | T | C | rs17203619 | 4.23E-05 | 0.197 | 0.261 | 0.70 | 0.57 | -0.85 | 3.26E-01 | 0.252 | 0.279 | 0.87 | 0.7 | -1.08 | 0.76 | 4.49E-04 | HLA-DRA(dist=34096), HLA-DRB5(dist=38232) | intergenic |
| 6 | 32446010 | C | T | rs17209873 | 1.14E-05 | 0.243 | 0.314 | 0.70 | 0.58 | -0.84 | 5.28E-01 | 0.295 | 0.314 | 0.91 | 0.74 | -1.12 | 0.76 | 4.52E-04 | HLA-DRA(dist=33184), HLA-DRB5(dist=39144) | intergenic |
| 6 | 32447111 | A | G | rs29001652 | 4.21E-05 | 0.207 | 0.272 | 0.70 | 0.57 | -0.85 | 3.21E-01 | 0.262 | 0.290 | 0.87 | 0.7 | -1.07 | 0.76 | 4.53E-04 | HLA-DRA(dist=34285), HLA-DRB5(dist=38043) | intergenic |
| 1 | 162441037 | T | G | rs149100 | 1.93E-01 | 0.326 | 0.294 | 0.86 | 0.72 | -1.02 | 5.53E-05 | 0.395 | 0.340 | 0.79 | 0.65 | -0.95 | 0.73 | 4.53E-04 | SH2D1B(dist=59109), UHMK1(dist=25927) | intergenic |
| 2 | 22953013 | T | G | rs10169938 | 1.46E-05 | 0.086 | 0.048 | 1.88 | 1.38 | -2.56 | 7.96E-01 | 0.050 | 0.045 | 1.12 | 0.73 | -1.73 | 1.68 | 4.55E-04 | LOC102723362(dist=191854), KLHL29(dist=655285) | intergenic |
| 7 | 41248193 | C | G | rs139436371;rs375015074;rs73687960 | 1.79E-01 | 0.101 | 0.089 | 1.15 | 0.87 | -1.51 | 4.12E-05 | 0.133 | 0.082 | 1.71 | 1.29 | -2.26 | 1.53 | 4.56E-04 | LINC01449(dist=75094), INHBA(dist=480408) | intergenic |
| 11 | 68023032 | G | A | rs11228182 | 3.47E-01 | 0.164 | 0.142 | 1.18 | 0.95 | -1.48 | 3.46E-05 | 0.233 | 0.168 | 1.51 | 1.2 | -1.88 | 1.36 | 4.57E-04 | SUV420H1(dist=41793), C11orf24(dist=5771) | intergenic |
| 2 | 45125733 | G | T | rs78371468 | 1.66E-01 | 0.103 | 0.092 | 1.14 | 0.87 | -1.49 | 3.21E-05 | 0.124 | 0.073 | 1.78 | 1.34 | -2.39 | 1.52 | 4.57E-04 | CAMKMT(dist=126002), SIX3-AS1(dist=41560) | intergenic |
| 15 | 41609640 | C | T | rs148256233 | 3.44E-05 | 0.075 | 0.046 | 1.68 | 1.21 | -2.32 | 6.77E-01 | 0.043 | 0.038 | 1.15 | 0.72 | -1.82 | 1.83 | 4.58E-04 | OIP5 | intronic |
| 13 | 24634764 | C | T | rs111422021 | 1.92E-01 | 0.032 | 0.026 | 1.26 | 0.78 | -2.02 | 5.23E-05 | 0.051 | 0.027 | 1.94 | 1.26 | -3.01 | 2.29 | 4.58E-04 | SPATA13 | intronic |
| 6 | 32447014 | G | A | rs17203636 | 3.15E-05 | 0.202 | 0.268 | 0.69 | 0.57 | -0.84 | 3.71E-01 | 0.257 | 0.283 | 0.88 | 0.71 | -1.09 | 0.76 | 4.58E-04 | HLA-DRA(dist=34188), HLA-DRB5(dist=38140) | intergenic |
| 5 | 100738471 | A | G | rs73182422 | 4.82E-05 | 0.195 | 0.274 | 0.64 | 0.52 | -0.78 | 4.13E-01 | 0.239 | 0.246 | 0.96 | 0.77 | -1.2 | 0.77 | 4.58E-04 | STBSIA4(dist=499482), SLCO4C1(dist=831221) | intergenic |
| 2 | 45125092 | C | T | rs116799217 | 1.66E-01 | 0.103 | 0.092 | 1.14 | 0.87 | -1.49 | 3.32E-05 | 0.124 | 0.073 | 1.79 | 1.34 | -2.39 | 1.52 | 4.59E-04 | CAMKMT(dist=125361), SIX3-AS1(dist=42201) | intergenic |
| 1 | 228393465 | C | G | rs74142647 | 2.60E-01 | 0.054 | 0.045 | 1.21 | 0.84 | -1.75 | 4.29E-05 | 0.085 | 0.046 | 1.90 | 1.34 | -2.68 | 1.77 | 4.59E-04 | C1orf145 | ncRNA_exonic |
| 14 | 78280344 | C | G | rs141469191 | 2.06E-01 | 0.040 | 0.030 | 1.34 | 0.87 | -2.06 | 3.35E-05 | 0.058 | 0.033 | 1.82 | 1.21 | -2.73 | 2.18 | 4.60E-04 | ADCK1 | intronic |
| 7 | 13390688 | G | A | rs138089077 | 3.21E-01 | 0.040 | 0.035 | 1.15 | 0.75 | -1.75 | 7.32E-06 | 0.067 | 0.030 | 2.29 | 1.55 | -3.37 | 1.92 | 4.61E-04 | ARL4A(dist=660130), ETV1(dist=540168) | intergenic |
| 2 | 22952657 | T | A | rs13387678 | 1.46E-05 | 0.086 | 0.048 | 1.88 | 1.38 | -2.57 | 8.0 | | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 2 | 44549204 | A | G | rs2241870 | 3.12E-01 | 0.220 | 0.196 | 0.87 | 0.71 | -1.06 | 1.99E-05 | 0.276 | 0.203 | 0.67 | 0.54 | -0.83 | 0.75 | 4.83E-04 | PREPL | intronic |
| 2 | 82270138 | A | G | rs2711444 | 5.23E-05 | 0.109 | 0.067 | 0.59 | 0.45 | -0.77 | 4.90E-01 | 0.088 | 0.078 | 0.88 | 0.63 | -1.23 | 0.65 | 4.83E-04 | LOC100507201(dist=576068), LOC1720(dist=813789) | intergenic |
| 3 | 110189510 | G | A | rs938153 | 4.02E-06 | 0.136 | 0.090 | 0.63 | 0.49 | -0.81 | 9.78E-01 | 0.103 | 0.095 | 0.91 | 0.67 | -1.24 | 0.67 | 4.83E-04 | MIR4445(dist=867766), PVRL3-AS1(dist=574653) | intergenic |
| 11 | 68024550 | G | A | rs35151002 | 3.47E-01 | 0.164 | 0.142 | 1.18 | 0.95 | -1.48 | 3.85E-05 | 0.232 | 0.167 | 1.51 | 1.2 | -1.88 | 1.36 | 4.83E-04 | SUV420H1(dist=43311), C11orf24(dist=4253) | intergenic |
| 18 | 66505550 | A | G | rs8099721 | 2.47E-05 | 0.071 | 0.039 | 1.86 | 1.32 | -2.6 | 8.78E-01 | 0.041 | 0.039 | 1.06 | 0.66 | -1.69 | 1.84 | 4.84E-04 | CCDC102B | intronic |
| 4 | 176315580 | C | A | rs116292445 | 4.21E-01 | 0.024 | 0.022 | 1.12 | 0.65 | -1.91 | 2.82E-07 | 0.041 | 0.020 | 2.06 | 1.27 | -3.36 | 3.09 | 4.85E-04 | ADAM29(dist=416249), GPM6A(dist=238508) | intergenic |
| 20 | 52825137 | G | C | rs59783244 | 3.25E-01 | 0.036 | 0.028 | 1.28 | 0.82 | -2 | 4.42E-06 | 0.062 | 0.038 | 1.66 | 1.11 | -2.46 | 2.28 | 4.87E-04 | PCFN4 | intronic |
| 2 | 82288186 | T | G | rs2711440 | 5.28E-05 | 0.106 | 0.064 | 0.58 | 0.44 | -0.76 | 4.86E-01 | 0.088 | 0.079 | 0.88 | 0.63 | -1.23 | 0.65 | 4.87E-04 | LOC100507201(dist=594116), LOC1720(dist=795741) | intergenic |
| 6 | 32445691 | C | T | rs9378212 | 4.90E-05 | 0.219 | 0.285 | 0.70 | 0.58 | -0.85 | 3.38E-01 | 0.261 | 0.288 | 0.87 | 0.71 | -1.08 | 0.77 | 4.90E-04 | HLA-DRA(dist=32865), HLA-DRB5(dist=39463) | intergenic |
| 6 | 128576916 | C | T | rs10217106 | 7.40E-06 | 0.057 | 0.023 | 2.51 | 1.7 | -3.72 | 9.42E-01 | 0.034 | 0.038 | 0.89 | 0.53 | -1.48 | 1.99 | 4.91E-04 | CASC8(dist=82532), CASC11(dist=135937) | intergenic |
| 8 | 32447219 | G | A | rs386699380;rs28732246 | 4.62E-05 | 0.207 | 0.272 | 0.70 | 0.57 | -0.85 | 3.25E-01 | 0.262 | 0.290 | 0.87 | 0.7 | -1.07 | 0.76 | 4.91E-04 | HLA-DRA(dist=34393), HLA-DRB5(dist=37935) | intergenic |
| 6 | 32447216 | A | T | rs29001620;rs386699380 | 4.62E-05 | 0.207 | 0.272 | 0.70 | 0.57 | -0.85 | 3.25E-01 | 0.262 | 0.290 | 0.87 | 0.7 | -1.07 | 0.76 | 4.91E-04 | HLA-DRA(dist=34390), HLA-DRB5(dist=37938) | intergenic |
| 6 | 32510219 | A | G | rs28794266 | 3.92E-05 | 0.342 | 0.284 | 0.76 | 0.64 | -0.91 | 3.13E-01 | 0.275 | 0.254 | 0.90 | 0.73 | -1.1 | 0.74 | 4.92E-04 | HLA-DRB5(dist=12213), HLA-DRB6(dist=10271) | intergenic |
| 3 | 40383114 | T | C | rs57188311 | 3.73E-05 | 0.309 | 0.405 | 0.66 | 0.55 | -0.78 | 6.52E-01 | 0.327 | 0.324 | 1.01 | 0.83 | -1.24 | 0.79 | 4.94E-04 | EIF1B(dist=29199), ENTPD3(dist=45533) | intergenic |
| 1 | 152944594 | C | T | rs3170863 | 1.73E-05 | 0.284 | 0.203 | 0.64 | 0.54 | -0.78 | 6.24E-01 | 0.230 | 0.227 | 0.98 | 0.79 | -1.23 | 0.76 | 4.94E-04 | SPRR4 | exonic |
| 10 | 42606751 | A | G | rs28404483 | 5.46E-06 | 0.197 | 0.136 | 0.64 | 0.52 | -0.79 | 6.50E-01 | 0.201 | 0.195 | 0.96 | 0.76 | -1.21 | 0.69 | 4.96E-04 | NONE(dist=NONE), LOC441666(dist=220563) | intergenic |
| 7 | 143149253 | C | T | rs1014070 | 1.81E-05 | 0.076 | 0.136 | 0.52 | 0.39 | -0.7 | 8.50E-01 | 0.107 | 0.108 | 1.00 | 0.74 | -1.35 | 0.71 | 4.96E-04 | EPHA1-AS1 | ncRNA_intronic |
| 6 | 32447162 | G | A | rs29001478 | 4.22E-05 | 0.207 | 0.272 | 0.70 | 0.57 | -0.85 | 3.40E-01 | 0.261 | 0.288 | 0.87 | 0.71 | -1.08 | 0.76 | 4.97E-04 | HLA-DRA(dist=34336), HLA-DRB5(dist=37992) | intergenic |
| 14 | 71114888 | G | A | rs17176552 | 3.41E-05 | 0.152 | 0.093 | 1.74 | 1.37 | -2.21 | 5.88E-01 | 0.112 | 0.109 | 1.03 | 0.77 | -1.39 | 1.46 | 5.03E-04 | TTC9 | intronic |
| 7 | 41245474 | C | A | rs73687959 | 1.91E-01 | 0.101 | 0.089 | 1.14 | 0.87 | -1.5 | 4.03E-05 | 0.133 | 0.083 | 1.71 | 1.29 | -2.26 | 1.52 | 5.04E-04 | LINC01449(dist=72375), INHBA(dist=483127) | intergenic |
| 2 | 81081357 | T | A | rs191226230 | 2.70E-05 | 0.048 | 0.024 | 2.02 | 1.34 | -3.04 | 7.65E-01 | 0.024 | 0.021 | 1.15 | 0.62 | -2.14 | 2.25 | 5.04E-04 | CTNNA2(dist=205369), LOC100507201(dist=607126) | intergenic |
| 6 | 129253713 | A | G | rs11966354 | 4.01E-05 | 0.176 | 0.123 | 1.52 | 1.22 | -1.9 | 4.17E-01 | 0.137 | 0.117 | 1.20 | 0.91 | -1.57 | 1.42 | 5.04E-04 | LAMA2 | intronic |
| 2 | 22950673 | G | A | rs13389390 | 1.51E-05 | 0.086 | 0.048 | 1.88 | 1.38 | -2.57 | 8.23E-01 | 0.050 | 0.045 | 1.12 | 0.72 | -1.72 | 1.67 | 5.07E-04 | LOC102723362(dist=189514), KLHL29(dist=657625) | intergenic |
| 6 | 32480334 | C | A | rs113072646 | 3.25E-05 | 0.149 | 0.200 | 0.70 | 0.56 | -0.88 | 3.31E-01 | 0.191 | 0.211 | 0.89 | 0.7 | -1.12 | 0.70 | 5.10E-04 | HLA-DRA(dist=67508), HLA-DRB5(dist=4820) | intergenic |
| 7 | 41245063 | T | C | rs73687958 | 1.96E-01 | 0.100 | 0.089 | 1.14 | 0.87 | -1.5 | 3.87E-05 | 0.134 | 0.083 | 1.71 | 1.29 | -2.26 | 1.52 | 5.10E-04 | LINC01449(dist=71964), INHBA(dist=483538) | intergenic |
| 6 | 129248771 | T | C | rs73773564 | 4.39E-05 | 0.177 | 0.124 | 1.52 | 1.22 | -1.89 | 4.12E-01 | 0.138 | 0.118 | 1.20 | 0.91 | -1.57 | 1.41 | 5.13E-04 | LAMA2 | intronic |
| 16 | 51506117 | G | A | rs2216067 | 2.39E-05 | 0.171 | 0.122 | 1.49 | 1.19 | -1.86 | 8.20E-01 | 0.125 | 0.119 | 1.06 | 0.8 | -1.4 | 1.46 | 5.15E-04 | SALL1(dist=320934), LINC01571(dist=290313) | intergenic |
| 2 | 82284078 | T | A | rs1568521 | 5.85E-05 | 0.106 | 0.065 | 0.58 | 0.44 | -0.77 | 4.86E-01 | 0.088 | 0.079 | 0.88 | 0.63 | -1.23 | 0.65 | 5.20E-04 | LOC100507201(dist=590008), LOC1720(dist=799849) | intergenic |
| 6 | 32447341 | G | A | rs29001568 | 4.53E-05 | 0.208 | 0.272 | 0.70 | 0.57 | -0.85 | 3.42E-01 | 0.261 | 0.288 | 0.87 | 0.71 | -1.08 | 0.76 | 5.24E-04 | HLA-DRA(dist=34515), HLA-DRB5(dist=37813) | intergenic |
| 10 | 113659796 | A | G | rs114481757 | 2.38E-01 | 0.035 | 0.029 | 1.19 | 0.76 | -1.87 | 1.65E-05 | 0.052 | 0.024 | 2.27 | 1.47 | -3.51 | 2.15 | 5.28E-04 | ADRA2A(dist=819134), GPAM(dist=249826) | intergenic |
| 5 | 100805612 | A | G | rs390021 | 2.11E-05 | 0.320 | 0.230 | 1.57 | 1.32 | -1.88 | 5.97E-01 | 0.273 | 0.276 | 0.99 | 0.8 | -1.22 | 1.31 | 5.32E-04 | ST8SIA4(dist=566623), SLC04C1(dist=764080) | intergenic |
| 12 | 45852771 | A | G | rs11183056 | 1.17E-06 | 0.585 | 0.478 | 1.54 | 1.3 | -1.81 | 7.69E-01 | 0.513 | 0.493 | 0.92 | 0.77 | -1.11 | 1.25 | 5.34E-04 | ANO6(dist=18584), LINC00938(dist=266732) | intergenic |
| 6 | 32449293 | A | G | rs5018660 | 4.27E-05 | 0.183 | 0.243 | 0.70 | 0.57 | -0.86 | 3.24E-01 | 0.252 | 0.280 | 0.87 | 0.7 | -1.08 | 0.75 | 5.36E-04 | HLA-DRA(dist=36467), HLA-DRB5(dist=35861) | intergenic |
| 3 | 110158589 | T | C | rs58939217 | 2.53E-05 | 0.066 | 0.036 | 1.90 | 1.33 | -2.7 | 6.71E-01 | 0.046 | 0.038 | 1.22 | 0.78 | -1.92 | 1.80 | 5.36E-04 | MIR4445(dist=836845), PVRL3-AS1(dist=605574) | intergenic |
| 7 | 143184792 | T | G | rs4726626 | 3.27E-05 | 0.065 | 0.118 | 0.52 | 0.38 | -0.72 | 7.71E-01 | 0.093 | 0.097 | 0.95 | 0.69 | -1.31 | 0.69 | 5.40E-04 | EPHA1-AS1 | ncRNA_intronic |
| 5 | 124293144 | T | C | rs386692020;rs7382531 | 1.25E-06 | 0.014 | 0.056 | 0.23 | 0.12 | -0.45 | 9.27E-01 | 0.046 | 0.044 | 1.05 | 0.67 | -1.64 | 0.57 | 5.41E-04 | ZNF608(dist=212339), LOC101927421(dist=79380) | intergenic |
| 7 | 143203126 | T | C | rs2077838 | 1.16E-05 | 0.064 | 0.120 | 0.50 | 0.37 | -0.69 | 9.56E-01 | 0.098 | 0.097 | 1.01 | 0.73 | -1.38 | 0.69 | 5.44E-04 | EPHA1-AS1 | ncRNA_intronic |
| 5 | 100750867 | C | T | rs980831 | 6.35E-05 | 0.196 | 0.274 | 0.65 | 0.53 | -0.79 | 4.13E-01 | 0.239 | 0.246 | 0.96 | 0.77 | -1.2 | 0.77 | 5.44E-04 | ST8SIA4(dist=511878), SLC04C1(dist=818825) | intergenic |
| 6 | 169006691 | C | T | rs115752459 | 3.71E-05 | 0.056 | 0.029 | 1.94 | 1.33 | -2.85 | 6.01E-01 | 0.033 | 0.028 | 1.19 | 0.7 | -2.01 | 2.12 | 5.51E-04 | SMOC2 | intronic |
| 10 | 34925009 | C | A | rs2812798 | 3.49E-05 | 0.133 | 0.085 | 0.60 | 0.47 | -0.77 | 4.86E-01 | 0.113 | 0.103 | 0.90 | 0.67 | -1.22 | 0.68 | 5.52E-04 | HNRNPF(dist=20313), ZNF487(dist=7565) | intergenic |
| 21 | 24355684 | G | T | rs62210676 | 2.86E-01 | 0.033 | 0.026 | 1.29 | 0.81 | -2.06 | 7.85E-06 | 0.054 | 0.034 | 1.59 | 1.04 | -2.43 | 2.44 | 5.54E-04 | LINC00308(dist=866837), D21S2088E(dist=377742) | intergenic |
| 2 | 106091635 | T | C | rs60135141 | 2.06E-05 | 0.048 | 0.025 | 1.95 | 1.29 | -2.93 | 7.51E-01 | 0.028 | 0.025 | 1.14 | 0.64 | -2.01 | 2.25 | 5.56E-04 | FHL2(dist=36405), LOC285000(dist=117919) | intergenic |
| 11 | 68034256 | G | A | rs10791970 | 3.50E-01 | 0.161 | 0.140 | 1.18 | 0.94 | -1.48 | 5.00E-05 | 0.231 | 0.166 | 1.51 | 1.2 | -1.88 | 1.35 | 5.63E-04 | C11orf24 | intronic |
| 3 | 40385778 | A | G | rs7628748 | 4.19E-05 | 0.346 | 0.445 | 0.66 | 0.56 | -0.78 | 6.53E-01 | 0.367 | 0.362 | 1.02 | 0.84 | -1.24 | 0.79 | 5.63E-04 | EIF1B(dist=31863), ENTPD3(dist=42869) | intergenic |
| 3 | 40392083 | C | T | rs9824853 | 4.10E-05 | 0.346 | 0.445 | 0.66 | 0.56 | -0.78 | 6.16E-01 | 0.367 | 0.362 | 1.02 | 0.84 | -1.24 | 0.79 | 5.64E-04 | EIF1B(dist=38168), ENTPD3(dist=36564) | intergenic |
| 17 | 65082917 | T | C | rs73340976 | 5.02E-01 | 0.025 | 0.022 | 1.15 | 0.67 | -1.95 | 2.63E-06 | 0.054 | 0.023 | 2.44 | 1.58 | -3.76 | 2.23 | 5.64E-04 | HELZ | intronic |
| 10 | 14471473 | C | T | rs10906671 | 1.64E-05 | 0.073 | 0.037 | 2.06 | 1.47 | -2.89 | 6.80E-01 | 0.049 | 0.046 | 1.07 | 0.7 | -1.65 | 1.78 | 5.65E-04 | MIR4293(dist=46197), MIR1265(dist=7102) | intergenic |
| 5 | 100755580 | G | C | rs73165906 | 6.50E-05 | 0.198 | 0.276 | 0.65 | 0.53 | -0.79 | 4.20E-01 | 0.240 | 0.246 | 0.97 | 0.78 | -1.2 | 0.77 | 5.68E-04 | ST8SIA4(dist=516591), SLC04C1(dist=814112) | intergenic |
| 14 | 96147199 | G | A | rs138309063 | 2.39E-01 | 0.043 | 0.037 | 1.16 | 0.77 | -1.74 | 6.14E-06 | 0.062 | 0.036 | 1.75 | 1.18 | -2.6 | 2.37 | 5.69E-04 | TCL6(dist=7410), TCL1B(dist=5555) | intergenic |
| 3 | 40386891 | A | G | rs9835312 | 4.21E-05 | 0.346 | 0.445 | 0.66 | 0.56 | -0.78 | 6.56E-01 | 0.366 | 0.362 | 1.02 | 0.84 | -1.24 | 0.79 | 5.69E-04 | EIF1B(dist=32976), ENTPD3(dist=41756) | intergenic |
| 11 | 68034772 | A | G | rs10791971 | 3.68E-01 | 0.161 | 0.140 | 1.18 | 0.94 | -1.48 | 4.68E-05 | 0.231 | 0.166 | 1.51 | 1.21 | -1.89 | 1.36 | 5.70E-04 | C11orf24 | intronic |
| 2 | 45130224 | C | T | rs74823585 | 1.92E-01 | 0.103 | 0.090 | 1.12 | 0.86 | -1.47 | 2.30E-05 | 0.124 | 0.074 | 1.77 | 1.33 | -2.37 | 1.51 | 5.70E-04 | CAMKMT(dist=130493), SIX3-AS1(dist=37069) | intergenic |
| 17 | 65072054 | T | A | rs73340967 | 5.01E-01 | 0.025 | 0.022 | 1.15 | 0.68 | -1.95 | 2.70E-06 | 0.053 | 0.023 | 2.44 | 1.58 | -3.76 | 2.23 | 5.72E-04 | HELZ(NM_014877:c.2314A>T) | UTR3 |
| 17 | 69074612 | C | A | rs182156119 | 2.22E-01 | 0.029 | 0.026 | 1.13 | 0.69 | -1.85 | 1.83E-05 | 0.041 | 0.022 | 1.87 | 1.15 | -3.04 | 2.91 | 5.75E-04 | KCNJ2(dist=898429), CASC17(dist=19303) | intergenic |
| 4 | 138743944 | G | A | rs978890 | 5.33E-05 | 0.102 | 0.161 | 1.69 | 1.3 | -2.2 | 5.69E-01 | 0.131 | 0.140 | 1.08 | 0.82 | -1.42 | 1.38 | 5.76E-04 | PCDH18(dist=290292), LINC00616(dist=204633) | intergenic |
| 10 | 50587822 | A | G | rs17783577 | 2.15E-01 | 0.059 | 0.047 | 1.27 | 0.89 | -1.81 | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 13 | 93122756 | C | T | rs74462622 | 2.77E-07 | 0.099 | 0.055 | 1.88 | 1.41 | -2.51 | 5.80E-01 | 0.060 | 0.063 | 0.95 | 0.64 | -1.41 | 1.64 | 6.03E-04 | GPC5 | intronic |
| 3 | 133729578 | C | T | rs150831364 | 4.73E-01 | 0.036 | 0.034 | 1.06 | 0.68 | -1.64 | 5.89E-08 | 0.049 | 0.021 | 2.33 | 1.48 | -3.67 | 2.42 | 6.04E-04 | SLCO2A1 | intronic |
| 7 | 143208225 | G | A | rs10260451 | 8.12E-06 | 0.071 | 0.128 | 0.52 | 0.38 | -0.7 | 8.23E-01 | 0.109 | 0.106 | 1.03 | 0.76 | -1.39 | 0.70 | 6.07E-04 | EPHA1-AS1 | ncRNA_intronic |
| 13 | 71312366 | T | C | rs4883879 | 2.58E-01 | 0.104 | 0.082 | 1.29 | 0.98 | -1.69 | 5.38E-05 | 0.158 | 0.111 | 1.51 | 1.17 | -1.96 | 1.48 | 6.13E-04 | ATXN8OS(dist=598481), LINC00348(dist=276907) | intergenic |
| 7 | 143174630 | C | T | rs13362832 | 3.72E-05 | 0.067 | 0.119 | 0.53 | 0.39 | -0.73 | 7.87E-01 | 0.092 | 0.096 | 0.96 | 0.69 | -1.32 | 0.70 | 6.14E-04 | EPHA1-AS1 | ncRNA_intronic |
| 21 | 24407361 | T | G | rs62208529 | 3.70E-01 | 0.031 | 0.024 | 1.28 | 0.79 | -2.06 | 9.05E-07 | 0.051 | 0.032 | 1.62 | 1.05 | -2.5 | 2.54 | 6.14E-04 | LINC00308(dist=918514), D21S2088E(dist=326065) | intergenic |
| 6 | 32445117 | C | T | rs28895258 | 5.38E-05 | 0.206 | 0.273 | 0.69 | 0.57 | -0.85 | 3.80E-01 | 0.261 | 0.287 | 0.88 | 0.71 | -1.09 | 0.77 | 6.14E-04 | HLA-DRA(dist=32291), HLA-DRB5(dist=40037) | intergenic |
| 6 | 32445114 | A | G | rs28895257 | 5.38E-05 | 0.206 | 0.273 | 0.69 | 0.57 | -0.85 | 3.80E-01 | 0.261 | 0.287 | 0.88 | 0.71 | -1.09 | 0.77 | 6.14E-04 | HLA-DRA(dist=32288), HLA-DRB5(dist=40040) | intergenic |
| 7 | 143204680 | G | A | rs10266402 | 1.29E-05 | 0.062 | 0.116 | 0.50 | 0.36 | -0.7 | 9.47E-01 | 0.096 | 0.096 | 1.01 | 0.73 | -1.38 | 0.69 | 6.15E-04 | EPHA1-AS1 | ncRNA_intronic |
| 3 | 110356886 | T | G | rs28629258 | 5.01E-05 | 0.062 | 0.034 | 1.88 | 1.31 | -2.69 | 5.79E-01 | 0.043 | 0.034 | 1.25 | 0.78 | -1.99 | 1.82 | 6.21E-04 | MIR4445(dist=1035142), PVRL3-AS1(dist=407277) | intergenic |
| 6 | 14765162 | C | T | rs731187 | 1.21E-05 | 0.343 | 0.407 | 0.76 | 0.64 | -0.9 | 6.30E-01 | 0.393 | 0.420 | 0.89 | 0.74 | -1.08 | 0.78 | 6.21E-04 | LINC01108(dist=479477), JARID2(dist=481044) | intergenic |
| 11 | 117480556 | G | C | rs79738719 | 4.49E-01 | 0.055 | 0.050 | 1.10 | 0.76 | -1.57 | 1.38E-06 | 0.083 | 0.043 | 1.99 | 1.4 | -2.83 | 1.76 | 6.22E-04 | DSCAML1 | intronic |
| 13 | 49229496 | C | G | rs147346338 | 5.09E-05 | 0.048 | 0.023 | 2.11 | 1.39 | -3.19 | 6.92E-01 | 0.025 | 0.021 | 1.19 | 0.65 | -2.17 | 2.10 | 6.23E-04 | LINC00462(dist=74459), CYSLTR2(dist=51455) | intergenic |
| 2 | 47752597 | C | T | rs116781195 | 2.73E-05 | 0.057 | 0.033 | 1.77 | 1.22 | -2.57 | 7.13E-01 | 0.038 | 0.034 | 1.13 | 0.69 | -1.85 | 2.11 | 6.23E-04 | KCNK12 | intronic |
| 10 | 50583323 | A | C | rs78422967;rs386743572 | 2.30E-01 | 0.059 | 0.047 | 1.26 | 0.89 | -1.8 | 4.66E-05 | 0.082 | 0.045 | 1.89 | 1.33 | -2.68 | 1.73 | 6.24E-04 | DRGX | intronic |
| 2 | 44549229 | G | A | rs2241869 | 3.22E-01 | 0.219 | 0.196 | 0.87 | 0.71 | -1.06 | 3.51E-05 | 0.276 | 0.204 | 0.67 | 0.54 | -0.83 | 0.76 | 6.27E-04 | PREPL | intronic |
| 10 | 50583324 | G | C | rs386743572;rs75250402 | 2.35E-01 | 0.058 | 0.047 | 1.26 | 0.88 | -1.8 | 4.35E-05 | 0.081 | 0.045 | 1.89 | 1.33 | -2.68 | 1.73 | 6.27E-04 | DRGX | intronic |
| 4 | 176314422 | G | T | rs114424961 | 4.51E-01 | 0.024 | 0.022 | 1.10 | 0.65 | -1.89 | 3.99E-07 | 0.041 | 0.020 | 2.07 | 1.27 | -3.37 | 2.97 | 6.29E-04 | ADAM29(dist=415091), GPM6A(dist=239666) | intergenic |
| 3 | 40385335 | C | T | rs9863318 | 5.39E-05 | 0.314 | 0.409 | 0.66 | 0.56 | -0.79 | 6.55E-01 | 0.328 | 0.325 | 1.01 | 0.83 | -1.24 | 0.79 | 6.32E-04 | E1F1B(dist=31420), ENTPD3(dist=43312) | intergenic |
| 3 | 40384102 | T | C | rs60006678 | 5.39E-05 | 0.314 | 0.409 | 0.66 | 0.56 | -0.79 | 6.55E-01 | 0.328 | 0.325 | 1.01 | 0.83 | -1.24 | 0.79 | 6.32E-04 | E1F1B(dist=30187), ENTPD3(dist=44545) | intergenic |
| 14 | 71111361 | A | G | rs7160510 | 3.13E-05 | 0.151 | 0.092 | 1.75 | 1.38 | -2.22 | 6.94E-01 | 0.108 | 0.107 | 1.01 | 0.75 | -1.36 | 1.45 | 6.32E-04 | TTC9 | intronic |
| 3 | 40384158 | G | C | rs60924403 | 5.39E-05 | 0.314 | 0.409 | 0.66 | 0.56 | -0.79 | 6.55E-01 | 0.328 | 0.325 | 1.01 | 0.83 | -1.24 | 0.79 | 6.32E-04 | E1F1B(dist=30243), ENTPD3(dist=44489) | intergenic |
| 3 | 40385568 | C | T | rs9867329 | 5.40E-05 | 0.314 | 0.409 | 0.66 | 0.56 | -0.79 | 6.55E-01 | 0.328 | 0.325 | 1.01 | 0.83 | -1.24 | 0.79 | 6.32E-04 | E1F1B(dist=31653), ENTPD3(dist=43079) | intergenic |
| 3 | 40386306 | G | A | rs57008021 | 5.40E-05 | 0.314 | 0.409 | 0.66 | 0.56 | -0.79 | 6.56E-01 | 0.328 | 0.325 | 1.01 | 0.83 | -1.24 | 0.79 | 6.33E-04 | E1F1B(dist=32391), ENTPD3(dist=42341) | intergenic |
| 3 | 40386653 | T | C | rs60286832 | 5.39E-05 | 0.314 | 0.409 | 0.66 | 0.56 | -0.79 | 6.57E-01 | 0.328 | 0.325 | 1.01 | 0.83 | -1.24 | 0.79 | 6.34E-04 | E1F1B(dist=32738), ENTPD3(dist=41994) | intergenic |
| 10 | 12890638 | G | A | rs7917616 | 3.51E-05 | 0.070 | 0.038 | 1.93 | 1.37 | -2.71 | 7.47E-01 | 0.037 | 0.033 | 1.12 | 0.68 | -1.85 | 1.84 | 6.36E-04 | CAMK1D(dist=13093), CCDC3(dist=47987) | intergenic |
| 3 | 40390027 | C | T | rs9814108 | 5.40E-05 | 0.314 | 0.408 | 0.66 | 0.56 | -0.79 | 6.61E-01 | 0.328 | 0.325 | 1.01 | 0.83 | -1.24 | 0.79 | 6.42E-04 | E1F1B(dist=36112), ENTPD3(dist=38620) | intergenic |
| 3 | 40390608 | A | G | rs9856326 | 5.41E-05 | 0.314 | 0.408 | 0.66 | 0.56 | -0.79 | 6.61E-01 | 0.328 | 0.325 | 1.01 | 0.83 | -1.24 | 0.79 | 6.44E-04 | E1F1B(dist=36693), ENTPD3(dist=38039) | intergenic |
| 17 | 65098976 | C | T | rs73340996 | 5.50E-01 | 0.025 | 0.022 | 1.12 | 0.66 | -1.91 | 2.13E-06 | 0.054 | 0.023 | 2.45 | 1.59 | -3.77 | 2.19 | 6.45E-04 | HELZ | intronic |
| 1 | 116412002 | C | T | rs1775519 | 1.78E-06 | 0.344 | 0.449 | 0.64 | 0.54 | -0.76 | 7.15E-01 | 0.411 | 0.397 | 1.06 | 0.87 | -1.28 | 0.79 | 6.45E-04 | NHLH2(dist=28255), LOC101928995(dist=49995) | intergenic |
| 3 | 40374264 | C | A | rs28642330 | 5.12E-05 | 0.313 | 0.408 | 0.66 | 0.56 | -0.79 | 6.59E-01 | 0.328 | 0.325 | 1.01 | 0.83 | -1.24 | 0.79 | 6.46E-04 | E1F1B(dist=20349), ENTPD3(dist=54383) | intergenic |
| 10 | 42483018 | T | G | rs9732495 | 6.28E-05 | 0.300 | 0.231 | 1.43 | 1.19 | -1.71 | 5.84E-01 | 0.256 | 0.246 | 1.06 | 0.85 | -1.31 | 1.32 | 6.49E-04 | NONE(dist=NONE), LOC441666(dist=344296) | intergenic |
| 14 | 71121853 | G | A | rs61980469 | 1.61E-05 | 0.179 | 0.116 | 1.66 | 1.33 | -2.07 | 5.26E-01 | 0.160 | 0.158 | 1.02 | 0.79 | -1.31 | 1.40 | 6.50E-04 | TTC9 | intronic |
| 5 | 100778894 | T | A | rs349325 | 2.93E-05 | 0.289 | 0.208 | 1.55 | 1.29 | -1.86 | 6.05E-01 | 0.242 | 0.245 | 0.99 | 0.79 | -1.23 | 1.33 | 6.51E-04 | ST8SIA4(dist=539905), SLCO4C1(dist=790798) | intergenic |
| 17 | 6680459 | A | G | rs6502982 | 4.25E-05 | 0.457 | 0.376 | 0.72 | 0.61 | -0.85 | 7.60E-01 | 0.433 | 0.437 | 1.01 | 0.84 | -1.22 | 0.77 | 6.53E-04 | FBXO39 | intronic |
| 1 | 116412055 | C | G | rs1767258 | 8.26E-06 | 0.570 | 0.468 | 0.66 | 0.56 | -0.78 | 9.74E-01 | 0.475 | 0.466 | 1.03 | 0.86 | -1.25 | 0.79 | 6.55E-04 | NHLH2(dist=28308), LOC101928995(dist=49942) | intergenic |
| 4 | 3792209 | C | T | rs4076725 | 3.46E-01 | 0.449 | 0.424 | 0.90 | 0.77 | -1.06 | 1.59E-05 | 0.545 | 0.467 | 0.73 | 0.61 | -0.88 | 0.78 | 6.55E-04 | ADRA2C(dist=21956), FAM86EP(dist=151278) | intergenic |
| 17 | 41078398 | G | T | rs150339733 | 2.11E-01 | 0.056 | 0.047 | 1.21 | 0.84 | -1.73 | 4.57E-05 | 0.071 | 0.037 | 1.99 | 1.37 | -2.9 | 1.79 | 6.59E-04 | G6PC(dist=11948), AARSD1(dist=24145) | intergenic |
| 7 | 143164726 | T | G | rs4573172 | 5.62E-05 | 0.062 | 0.113 | 0.52 | 0.38 | -0.72 | 7.08E-01 | 0.089 | 0.095 | 0.94 | 0.68 | -1.3 | 0.70 | 6.60E-04 | EPHA1-AS1 | ncRNA_intronic |
| 3 | 89920470 | A | C | rs187738305 | 1.61E-01 | 0.041 | 0.034 | 1.19 | 0.79 | -1.82 | 2.10E-05 | 0.043 | 0.020 | 2.15 | 1.33 | -3.47 | 2.32 | 6.63E-04 | EPHA3(dist=389186), NONE(dist=NONE) | intergenic |
| 3 | 142942042 | T | A | rs2165521 | 4.01E-05 | 0.156 | 0.218 | 1.50 | 1.21 | -1.87 | 6.87E-01 | 0.193 | 0.206 | 1.08 | 0.85 | -1.37 | 1.32 | 6.65E-04 | CHST2(dist=99186), SLC9A9(dist=42022) | intergenic |
| 5 | 143229147 | A | G | rs11743230 | 4.38E-05 | 0.110 | 0.070 | 1.65 | 1.26 | -2.17 | 5.13E-01 | 0.107 | 0.100 | 1.08 | 0.8 | -1.46 | 1.59 | 6.67E-04 | HMB1(dist=28863), YIPF5(dist=308576) | intergenic |
| 7 | 138747732 | G | A | rs57352501 | 2.00E-05 | 0.309 | 0.242 | 1.41 | 1.18 | -1.68 | 8.91E-01 | 0.250 | 0.244 | 1.04 | 0.84 | -1.29 | 1.32 | 6.67E-04 | ZC3HAV1 | intronic |
| 5 | 100777966 | C | T | rs164444 | 3.32E-05 | 0.309 | 0.223 | 1.56 | 1.3 | -1.87 | 5.98E-01 | 0.260 | 0.263 | 0.98 | 0.79 | -1.21 | 1.31 | 6.67E-04 | ST8SIA4(dist=538977), SLCO4C1(dist=791726) | intergenic |
| 7 | 143166448 | C | T | rs17164309 | 5.30E-05 | 0.062 | 0.113 | 0.52 | 0.37 | -0.72 | 7.27E-01 | 0.090 | 0.095 | 0.94 | 0.68 | -1.31 | 0.70 | 6.71E-04 | EPHA1-AS1 | ncRNA_intronic |
| 11 | 134594653 | C | T | rs4937940 | 5.93E-05 | 0.053 | 0.027 | 2.05 | 1.39 | -3.04 | 5.78E-01 | 0.035 | 0.030 | 1.19 | 0.72 | -1.98 | 1.97 | 6.73E-04 | LOC283177(dist=219098), NONE(dist=NONE) | intergenic |
| 7 | 143154185 | G | A | rs2140786 | 1.69E-05 | 0.080 | 0.141 | 0.53 | 0.4 | -0.71 | 9.91E-01 | 0.110 | 0.108 | 1.01 | 0.75 | -1.37 | 0.71 | 6.76E-04 | EPHA1-AS1 | ncRNA_intronic |
| 6 | 129271324 | A | C | rs73773588 | 5.26E-05 | 0.177 | 0.124 | 1.51 | 1.21 | -1.89 | 4.51E-01 | 0.136 | 0.118 | 1.19 | 0.9 | -1.56 | 1.40 | 6.78E-04 | LAMA2 | intronic |
| 10 | 12890993 | T | G | rs149200855 | 3.85E-05 | 0.070 | 0.038 | 1.91 | 1.36 | -2.69 | 7.49E-01 | 0.037 | 0.033 | 1.12 | 0.68 | -1.84 | 1.84 | 6.79E-04 | CAMK1D(dist=13448), CCDC3(dist=47632) | intergenic |
| 3 | 40370484 | C | T | rs113198842 | 5.86E-05 | 0.315 | 0.410 | 0.66 | 0.56 | -0.79 | 6.57E-01 | 0.328 | 0.325 | 1.01 | 0.83 | -1.24 | 0.79 | 6.80E-04 | E1F1B(dist=16569), ENTPD3(dist=58163) | intergenic |
| 2 | 5977382 | C | A | rs116743720 | 9.82E-02 | 0.044 | 0.034 | 1.29 | 0.86 | -1.93 | 4.52E-05 | 0.047 | 0.025 | 1.91 | 1.21 | -3.02 | 2.08 | 6.81E-04 | SOX11(dist=135865), LINC01105(dist=95437) | intergenic |
| 7 | 22001439 | T | A | rs115285242 | 3.86E-01 | 0.056 | 0.050 | 1.14 | 0.8 | -1.63 | 1.60E-06 | 0.074 | 0.035 | 2.20 | 1.52 | -3.18 | 1.77 | 6.82E-04 | CDCA7L(dist=15897), RANGEF5(dist=156469) | intergenic |
| 7 | 143211643 | C | A | rs1525122 | 1.83E-05 | 0.066 | 0.120 | 0.52 | 0.38 | -0.71 | 9.66E-01 | 0.098 | 0.097 | 1.00 | 0.73 | -1.37 | 0.69 | 6.83E-04 | EPHA1-AS1 | ncRNA_intronic |
| 3 | 40370382 | C | T | rs72860232 | 5.91E-05 | 0.316 | 0.410 | 0.66 | 0.56 | -0.79 | 6.57E-01 | 0.328 | 0.325 | 1.01 | 0.83 | -1.24 | 0.79 | 6.84E-04 | E1F1B(dist=16467), ENTPD3(dist=58265) | intergenic |
| 5 | 100618922 | T | C | rs1380391 | 5.82E-05 | 0.309 | 0.392 | 0.69 | 0.58 | -0.82 | 4.75E-01 | 0.361 | 0.367 | 0.98 | 0.8 | -1.19 | 0.80 | 6.84E-04 | ST8SIA4(dist=379933), SLCO4C1(dist=950770) | intergenic |
| 13 | 115052395 | C | T | rs141479302 | 3.33E-05 | 0.057 | 0.028 | 2.06 | 1.41 | -3.02 | 8.71E-01 | 0.027 | 0.025 | 1.10 | 0.62 | -1.96 | 1.95 | 6.84E-04 | UPF3A | intronic |
| 14 | 44191344 | C | T | rs144775179 | 4.69E-01 | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 14 | 63273449 | C | A | rs4441171 | 2.71E-06 | 0.403 | 0.499 | 1.48 | 1.25 | -1.74 | 8.06E-01 | 0.491 | 0.498 | 0.97 | 0.8 | -1.17 | 1.26 | 7.10E-04 | KCNH5 | intronic |
| 6 | 32451570 | C | T | rs13194770 | 5.73E-05 | 0.200 | 0.260 | 0.71 | 0.58 | -0.87 | 3.47E-01 | 0.261 | 0.287 | 0.87 | 0.71 | -1.08 | 0.76 | 7.11E-04 | HLA-DRA(dist=38744), HLA-DRB5(dist=33584) | intergenic |
| 16 | 76968405 | C | G | rs11861760 | 2.85E-05 | 0.131 | 0.085 | 1.62 | 1.26 | -2.09 | 8.07E-01 | 0.095 | 0.088 | 1.09 | 0.79 | -1.5 | 1.48 | 7.12E-04 | MIR4719(dist=65489), MON1B(dist=256411) | intergenic |
| 18 | 52365136 | G | A | rs76989397 | 2.13E-01 | 0.089 | 0.081 | 1.11 | 0.83 | -1.48 | 5.24E-05 | 0.106 | 0.063 | 1.76 | 1.29 | -2.39 | 1.55 | 7.15E-04 | DYNAP(dist=98412), RAB27B(dist=130572) | intergenic |
| 7 | 143206082 | A | T | rs12533151 | 1.93E-05 | 0.065 | 0.120 | 0.51 | 0.38 | -0.71 | 9.60E-01 | 0.098 | 0.097 | 1.00 | 0.73 | -1.38 | 0.70 | 7.15E-04 | EPHA1-AS1 | ncRNA_intronic |
| 6 | 129293899 | T | C | rs59063850 | 5.54E-05 | 0.177 | 0.124 | 1.51 | 1.21 | -1.88 | 4.62E-01 | 0.136 | 0.117 | 1.18 | 0.9 | -1.55 | 1.40 | 7.17E-04 | LAMA2 | intronic |
| 7 | 143206819 | G | A | rs4725621 | 1.95E-05 | 0.066 | 0.120 | 0.52 | 0.38 | -0.71 | 9.61E-01 | 0.098 | 0.097 | 1.00 | 0.73 | -1.37 | 0.70 | 7.18E-04 | EPHA1-AS1 | ncRNA_intronic |
| 1 | 232378590 | T | A | rs56271908 | 4.80E-05 | 0.056 | 0.056 | 1.63 | 1.2 | -2.2 | 9.45E-01 | 0.045 | 0.044 | 1.03 | 0.65 | -1.61 | 1.83 | 7.26E-04 | TSNAX-DISC1(dist=201571), SIPA1L2(dist=155122) | intergenic |
| 18 | 52362681 | G | A | rs111859967 | 2.16E-01 | 0.089 | 0.081 | 1.11 | 0.83 | -1.48 | 5.18E-05 | 0.106 | 0.063 | 1.76 | 1.29 | -2.39 | 1.54 | 7.28E-04 | DYNAP(dist=95957), RAB27B(dist=133027) | intergenic |
| 6 | 46811503 | T | C | rs148841609 | 2.90E-05 | 0.041 | 0.021 | 1.98 | 1.27 | -3.08 | 4.49E-01 | 0.029 | 0.023 | 1.28 | 0.73 | -2.23 | 2.42 | 7.29E-04 | MEP1A(dist=3984), ADGRF5(dist=8739) | intergenic |
| 13 | 115060945 | A | C | rs146769679 | 4.60E-05 | 0.057 | 0.029 | 2.03 | 1.38 | -2.96 | 8.33E-01 | 0.027 | 0.024 | 1.11 | 0.62 | -1.99 | 1.94 | 7.36E-04 | UPF3A | intronic |
| 4 | 2791732 | C | G | rs35365158 | 4.08E-01 | 0.074 | 0.065 | 1.15 | 0.84 | -1.58 | 6.01E-06 | 0.118 | 0.078 | 1.57 | 1.17 | -2.11 | 1.68 | 7.37E-04 | TNIP2(dist=33629), SH3BP2(dist=3018) | intergenic |
| 5 | 100788078 | G | C | rs349329 | 4.76E-05 | 0.307 | 0.221 | 1.56 | 1.3 | -1.87 | 5.61E-01 | 0.261 | 0.264 | 0.99 | 0.8 | -1.22 | 1.30 | 7.39E-04 | ST8SIA4(dist=549089), SLC04C1(dist=781614) | intergenic |
| 1 | 232379997 | C | T | rs74146131 | 4.90E-05 | 0.088 | 0.056 | 1.63 | 1.2 | -2.2 | 9.49E-01 | 0.045 | 0.044 | 1.03 | 0.65 | -1.61 | 1.82 | 7.41E-04 | TSNAX-DISC1(dist=202978), SIPA1L2(dist=153715) | intergenic |
| 7 | 76965957 | C | T | rs11864650 | 3.10E-05 | 0.133 | 0.087 | 1.61 | 1.25 | -2.07 | 8.04E-01 | 0.096 | 0.089 | 1.09 | 0.79 | -1.5 | 1.47 | 7.43E-04 | MIR4719(dist=63041), MON1B(dist=258859) | intergenic |
| 10 | 12892823 | C | - | | 5.81E-05 | 0.067 | 0.036 | 1.90 | 1.34 | -2.69 | 6.76E-01 | 0.037 | 0.032 | 1.14 | 0.69 | -1.88 | 1.87 | 7.43E-04 | CAMK1D(dist=15278), CCDC3(dist=45802) | intergenic |
| 2 | 234524475 | G | A | rs9552563 | 4.26E-01 | 0.187 | 0.173 | 1.10 | 0.89 | -1.36 | 2.21E-05 | 0.246 | 0.168 | 1.62 | 1.3 | -2.02 | 1.33 | 7.50E-04 | USP40(dist=50239), UGT1A8(dist=1816) | intergenic |
| 13 | 48056308 | G | C | rs9595721 | 3.83E-05 | 0.095 | 0.162 | 0.54 | 0.42 | -0.71 | 9.41E-01 | 0.130 | 0.123 | 1.07 | 0.81 | -1.41 | 0.71 | 7.51E-04 | HTR2A(dist=585097), LINC00562(dist=447980) | intergenic |
| 6 | 32342691 | C | A | rs7746327 | 4.67E-05 | 0.321 | 0.398 | 0.72 | 0.6 | -0.85 | 4.72E-01 | 0.375 | 0.394 | 0.92 | 0.76 | -1.12 | 0.79 | 7.53E-04 | C6orf10(dist=3002), HCG23(dist=15596) | intergenic |
| 8 | 8717232 | T | C | rs332035;rs386722011 | 6.34E-05 | 0.442 | 0.346 | 0.67 | 0.57 | -0.79 | 7.07E-01 | 0.416 | 0.426 | 1.04 | 0.86 | -1.26 | 0.80 | 7.60E-04 | MFHAS1 | intronic |
| 17 | 65261663 | G | A | rs58553014 | 5.73E-01 | 0.023 | 0.021 | 1.09 | 0.63 | -1.9 | 1.53E-05 | 0.053 | 0.023 | 2.37 | 1.53 | -3.66 | 2.28 | 7.62E-04 | HELZ(dist=20344), PSMD12(dist=74956) | intergenic |
| 7 | 41251574 | C | T | rs73687961 | 2.59E-01 | 0.091 | 0.083 | 1.12 | 0.84 | -1.48 | 4.26E-05 | 0.128 | 0.078 | 1.72 | 1.29 | -2.29 | 1.53 | 7.64E-04 | LINC01449(dist=78475), INHBA(dist=477027) | intergenic |
| 4 | 96534380 | A | G | rs41473747 | 1.13E-05 | 0.195 | 0.138 | 1.52 | 1.23 | -1.87 | 9.52E-01 | 0.147 | 0.144 | 1.03 | 0.79 | -1.34 | 1.37 | 7.67E-04 | UNC5C(dist=64019), PDHA2(dist=226859) | intergenic |
| 9 | 22882729 | G | C | rs79624380 | 4.05E-01 | 0.068 | 0.062 | 1.10 | 0.79 | -1.52 | 3.13E-06 | 0.093 | 0.049 | 1.99 | 1.43 | -2.77 | 1.63 | 7.68E-04 | LINC01239(dist=58517), LOC101929563(dist=617960) | intergenic |
| 4 | 118417933 | G | A | rs17869442 | 3.07E-05 | 0.051 | 0.024 | 2.19 | 1.46 | -3.3 | 9.51E-01 | 0.024 | 0.023 | 1.06 | 0.58 | -1.95 | 2.06 | 7.70E-04 | LINC01378 | ncRNA_intronic |
| 16 | 58243088 | A | G | rs12931839 | 4.14E-01 | 0.052 | 0.043 | 1.21 | 0.83 | -1.76 | 3.77E-05 | 0.094 | 0.061 | 1.61 | 1.17 | -2.23 | 1.79 | 7.72E-04 | CSNK2A2(dist=11306), CCDC113(dist=40752) | intergenic |
| 2 | 151603893 | G | A | rs140974099 | 4.82E-01 | 0.034 | 0.030 | 1.15 | 0.73 | -1.82 | 8.82E-07 | 0.050 | 0.020 | 2.52 | 1.61 | -3.95 | 2.16 | 7.75E-04 | LOC101929282(dist=112022), RBM43(dist=500835) | intergenic |
| 7 | 143171402 | T | C | rs4726625 | 5.51E-05 | 0.064 | 0.115 | 0.52 | 0.38 | -0.72 | 7.70E-01 | 0.091 | 0.095 | 0.95 | 0.69 | -1.32 | 0.70 | 7.76E-04 | EPHA1-AS1 | ncRNA_intronic |
| 18 | 52363438 | G | A | rs80027589 | 2.38E-01 | 0.082 | 0.075 | 1.11 | 0.82 | -1.49 | 4.03E-05 | 0.102 | 0.060 | 1.76 | 1.28 | -2.41 | 1.57 | 7.76E-04 | DYNAP(dist=96714), RAB27B(dist=132270) | intergenic |
| 10 | 43946973 | T | C | rs2999288 | 2.75E-05 | 0.126 | 0.076 | 0.57 | 0.44 | -0.74 | 6.24E-01 | 0.099 | 0.092 | 0.93 | 0.68 | -1.27 | 0.68 | 7.77E-04 | ZNF487 | ncRNA_intronic |
| 12 | 27767695 | G | A | rs115524442 | 2.90E-01 | 0.073 | 0.065 | 1.14 | 0.83 | -1.57 | 1.80E-05 | 0.097 | 0.054 | 1.89 | 1.36 | -2.61 | 1.66 | 7.77E-04 | PPFIBP1 | intronic |
| 14 | 37462847 | C | T | rs911008 | 4.83E-05 | 0.298 | 0.214 | 0.64 | 0.53 | -0.77 | 5.57E-01 | 0.259 | 0.268 | 1.05 | 0.85 | -1.3 | 0.77 | 7.80E-04 | SLC25A21 | intronic |
| 6 | 32341353 | G | A | rs9268402 | 5.73E-05 | 0.322 | 0.398 | 0.72 | 0.6 | -0.85 | 4.58E-01 | 0.369 | 0.389 | 0.92 | 0.76 | -1.12 | 0.79 | 7.80E-04 | C6orf10(dist=1664), HCG23(dist=16934) | intergenic |
| 10 | 108270269 | T | C | rs1417950 | 4.07E-05 | 0.437 | 0.361 | 0.73 | 0.62 | -0.86 | 6.56E-01 | 0.401 | 0.393 | 0.97 | 0.8 | -1.17 | 0.79 | 7.83E-04 | LOC101927549(dist=690178), SORCS1(dist=63152) | intergenic |
| 13 | 65232024 | A | G | rs359357 | 3.47E-01 | 0.388 | 0.405 | 1.07 | 0.91 | -1.27 | 2.15E-05 | 0.333 | 0.429 | 1.51 | 1.24 | -1.83 | 1.25 | 7.84E-04 | LOC102723968(dist=813766), MIR548X2(dist=1308438) | intergenic |
| 10 | 43947790 | C | G | rs2265955 | 2.79E-05 | 0.126 | 0.076 | 0.57 | 0.44 | -0.74 | 6.25E-01 | 0.099 | 0.092 | 0.93 | 0.68 | -1.27 | 0.68 | 7.85E-04 | ZNF487 | ncRNA_intronic |
| 10 | 43943940 | T | C | rs386743188;rs2819025 | 2.82E-05 | 0.125 | 0.076 | 0.57 | 0.44 | -0.74 | 6.23E-01 | 0.099 | 0.092 | 0.93 | 0.68 | -1.27 | 0.68 | 7.85E-04 | ZNF487 | ncRNA_intronic |
| 10 | 43943762 | G | A | rs2261637 | 2.80E-05 | 0.126 | 0.076 | 0.57 | 0.44 | -0.74 | 6.25E-01 | 0.099 | 0.092 | 0.93 | 0.68 | -1.27 | 0.68 | 7.87E-04 | ZNF487 | ncRNA_intronic |
| 12 | 45851280 | A | C | rs71437724;rs12366900 | 3.76E-05 | 0.469 | 0.384 | 1.42 | 1.2 | -1.67 | 8.18E-01 | 0.371 | 0.377 | 0.97 | 0.8 | -1.18 | 1.26 | 7.88E-04 | ANO6(dist=17093), LINC00938(dist=268223) | intergenic |
| 12 | 118091757 | C | G | rs2090440 | 4.64E-01 | 0.281 | 0.275 | 0.97 | 0.81 | -1.16 | 1.27E-05 | 0.341 | 0.250 | 0.64 | 0.53 | -0.78 | 0.77 | 7.90E-04 | KSR2 | intronic |
| 6 | 109671391 | C | G | rs9480933 | 3.21E-01 | 0.357 | 0.329 | 0.88 | 0.74 | -1.05 | 3.34E-05 | 0.437 | 0.359 | 0.72 | 0.6 | -0.87 | 0.79 | 7.90E-04 | CCDC162P(dist=41968), CD164(dist=16326) | intergenic |
| 20 | 8158417 | G | A | rs6055593 | 9.64E-01 | 0.497 | 0.487 | 0.96 | 0.81 | -1.13 | 2.52E-07 | 0.582 | 0.460 | 1.63 | 1.35 | -1.97 | 1.25 | 7.91E-04 | PLCB1 | intronic |
| 5 | 100793610 | C | G | rs462947 | 4.25E-05 | 0.306 | 0.220 | 1.56 | 1.3 | -1.87 | 5.99E-01 | 0.260 | 0.263 | 0.98 | 0.79 | -1.21 | 1.30 | 7.92E-04 | ST8SIA4(dist=554621), SLC04C1(dist=776082) | intergenic |
| 11 | 117487571 | C | T | rs78449855 | 4.33E-01 | 0.054 | 0.050 | 1.10 | 0.76 | -1.58 | 3.02E-06 | 0.080 | 0.042 | 1.95 | 1.37 | -2.78 | 1.76 | 7.98E-04 | DSCAML1 | intronic |
| 11 | 75987700 | T | C | rs115599108 | 1.78E-01 | 0.037 | 0.030 | 1.25 | 0.81 | -1.95 | 3.60E-05 | 0.045 | 0.021 | 2.18 | 1.36 | -3.47 | 2.15 | 7.99E-04 | WNT11(dist=70126), PRKRIR(dist=73301) | intergenic |
| 17 | 65259706 | G | T | rs73333996 | 5.82E-01 | 0.023 | 0.021 | 1.09 | 0.63 | -1.89 | 1.50E-05 | 0.053 | 0.023 | 2.37 | 1.54 | -3.66 | 2.26 | 8.00E-04 | HELZ(dist=18387), PSMD12(dist=76913) | intergenic |
| 6 | 32682965 | C | T | rs3997855 | 4.42E-05 | 0.505 | 0.437 | 1.31 | 1.12 | -1.55 | 5.68E-01 | 0.431 | 0.408 | 1.10 | 0.91 | -1.33 | 1.28 | 8.01E-04 | HLA-DQB1(dist=48499), HLA-DQA2(dist=26198) | intergenic |
| 17 | 65259171 | T | G | rs185950844 | 6.46E-01 | 0.022 | 0.021 | 1.07 | 0.61 | -1.87 | 7.71E-06 | 0.052 | 0.022 | 2.46 | 1.59 | -3.82 | 2.27 | 8.06E-04 | HELZ(dist=17852), PSMD12(dist=77448) | intergenic |
| 17 | 65259135 | A | G | rs73303361 | 5.83E-01 | 0.023 | 0.021 | 1.09 | 0.63 | -1.89 | 1.50E-05 | 0.053 | 0.023 | 2.37 | 1.54 | -3.66 | 2.26 | 8.07E-04 | HELZ(dist=17816), PSMD12(dist=77484) | intergenic |
| 10 | 50436863 | T | A | rs10857448 | 2.24E-05 | 0.163 | 0.098 | 1.80 | 1.43 | -2.26 | 6.09E-01 | 0.168 | 0.167 | 1.00 | 0.78 | -1.29 | 1.43 | 8.08E-04 | C10orf128(dist=40418), C10orf71-AS1(dist=67465) | intergenic |
| 17 | 65259273 | T | C | rs111876177 | 5.84E-01 | 0.023 | 0.021 | 1.09 | 0.63 | -1.89 | 1.50E-05 | 0.053 | 0.023 | 2.37 | 1.54 | -3.66 | 2.26 | 8.08E-04 | HELZ(dist=17954), PSMD12(dist=77346) | intergenic |
| 10 | 12895278 | C | A | rs145465561 | 5.40E-05 | 0.062 | 0.035 | 1.84 | 1.28 | -2.64 | 6.18E-01 | 0.036 | 0.032 | 1.16 | 0.7 | -1.91 | 1.96 | 8.09E-04 | CAMK1D(dist=17733), CCDC3(dist=43347) | intergenic |
| 5 | 100724391 | A | G | rs369776 | 3.98E-05 | 0.281 | 0.362 | 0.69 | 0.57 | -0.82 | 5.80E-01 | 0.355 | 0.358 | 0.99 | 0.81 | -1.2 | 0.80 | 8.11E-04 | ST8SIA4(dist=485402), SLC04C1(dist=845301) | intergenic |
| 12 | 116356999 | T | C | rs7970731 | 4.96E-01 | 0.246 | 0.225 | 0.89 | 0.74 | -1.08 | 1.59E-05 | 0.348 | 0.274 | 0.71 | 0.58 | -0.86 | 0.78 | 8.16E-04 | TBX3(dist=1235030), MED13L(dist=39382) | intergenic |
| 21 | 36471174 | A | G | rs186789735;rs386818200 | 3.84E-01 | 0.045 | 0.041 | 1.12 | 0.75 | -1.66 | 9.27E-07 | 0.062 | 0.033 | 1.95 | 1.31 | -2.9 | 2.02 | 8.17E-04 | RUNX1(dist=49579), LOC100506403(dist=273631) | intergenic |
| 5 | 122249257 | G | A | rs185550592 | 2.06E-05 | 0.168 | 0.116 | 1.54 | 1.23 | -1.93 | 6.96E-01 | 0.130 | 0.122 | 1.07 | 0.81 | -1.41 | | | | |

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|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 6 | 32472733 | G | A | rs77460382 | 4.78E-05 | 0.358 | 0.421 | 0.77 | 0.65 | -0.91 | 4.99E-01 | 0.392 | 0.411 | 0.93 | 0.76 | -1.12 | 0.76 | 8.47E-04 | HLA-DRA(dist=59907), HLA-DRB5(dist=12421) | intergenic |
| 1 | 183208629 | T | A | rs78793848 | 5.51E-05 | 0.043 | 0.020 | 2.14 | 1.38 | -3.33 | 5.94E-01 | 0.030 | 0.025 | 1.19 | 0.68 | -2.07 | 2.18 | 8.47E-04 | LAMC2 | exonic |
| 2 | 151603449 | C | T | rs115381797 | 5.05E-01 | 0.034 | 0.030 | 1.14 | 0.73 | -1.81 | 8.90E-07 | 0.050 | 0.020 | 2.51 | 1.6 | -3.94 | 2.15 | 8.48E-04 | LOC101929282(dist=111578), RBM43(dist=501279) | intergenic |
| 14 | 34263755 | C | T | rs7148934 | 4.90E-05 | 0.391 | 0.320 | 0.73 | 0.62 | -0.86 | 5.49E-01 | 0.352 | 0.347 | 0.98 | 0.8 | -1.19 | 0.76 | 8.50E-04 | NPAS3 | intronic |
| 12 | 27766350 | T | C | rs16932236 | 2.96E-01 | 0.074 | 0.065 | 1.14 | 0.83 | -1.57 | 2.06E-05 | 0.097 | 0.054 | 1.89 | 1.36 | -2.61 | 1.65 | 8.51E-04 | PPFIBP1 | intronic |
| 5 | 100750853 | G | A | rs73780725 | 5.76E-05 | 0.139 | 0.208 | 0.61 | 0.49 | -0.77 | 5.28E-01 | 0.177 | 0.182 | 0.96 | 0.76 | -1.23 | 0.75 | 8.62E-04 | ST8SIA4(dist=511864), SLCO4C1(dist=818839) | intergenic |
| 11 | 117446304 | G | C | rs115651152 | 6.85E-01 | 0.059 | 0.057 | 1.03 | 0.73 | -1.45 | 1.27E-06 | 0.091 | 0.045 | 2.12 | 1.51 | -2.96 | 1.66 | 8.63E-04 | DSCAML1 | intronic |
| 8 | 14078102 | A | G | rs2054429 | 5.30E-05 | 0.237 | 0.170 | 0.66 | 0.54 | -0.8 | 8.43E-01 | 0.184 | 0.187 | 1.02 | 0.8 | -1.3 | 0.76 | 8.63E-04 | SGCZ | intronic |
| 7 | 54494400 | T | C | rs73397737 | 3.14E-01 | 0.037 | 0.031 | 1.20 | 0.77 | -1.85 | 1.97E-05 | 0.057 | 0.024 | 2.43 | 1.6 | -3.7 | 1.92 | 8.66E-04 | LINC01445(dist=76862), VSTM2A(dist=115618) | intergenic |
| 11 | 117477724 | G | A | rs77949322 | 5.26E-01 | 0.053 | 0.050 | 1.07 | 0.75 | -1.55 | 1.49E-06 | 0.083 | 0.043 | 2.01 | 1.42 | -2.85 | 1.73 | 8.66E-04 | DSCAML1 | intronic |
| 10 | 43954208 | C | G | rs2999290 | 2.92E-05 | 0.125 | 0.076 | 0.57 | 0.44 | -0.74 | 6.47E-01 | 0.098 | 0.092 | 0.93 | 0.68 | -1.27 | 0.68 | 8.71E-04 | ZNF487 | ncRNA_intronic |
| 1 | 174985557 | G | C | rs12125682 | 5.09E-01 | 0.052 | 0.039 | 1.35 | 0.93 | -1.97 | 2.15E-05 | 0.096 | 0.056 | 1.79 | 1.29 | -2.47 | 1.65 | 8.74E-04 | MRPS14 | intronic |
| 10 | 74068696 | C | T | rs4300326 | 7.04E-01 | 0.251 | 0.230 | 0.89 | 0.74 | -1.08 | 2.37E-06 | 0.347 | 0.264 | 0.67 | 0.55 | -0.82 | 0.77 | 8.76E-04 | DDIT4(dist=32899), DNAJB12(dist=23892) | intergenic |
| 1 | 4858391 | A | G | rs72639948 | 5.74E-05 | 0.094 | 0.050 | 1.96 | 1.46 | -2.65 | 5.42E-01 | 0.095 | 0.098 | 0.96 | 0.7 | -1.33 | 1.60 | 8.78E-04 | AJAP1(dist=14540), MIR4417(dist=765740) | intergenic |
| 1 | 158694563 | G | A | rs703144 | 2.89E-05 | 0.155 | 0.092 | 1.81 | 1.42 | -2.29 | 6.76E-01 | 0.125 | 0.126 | 0.99 | 0.75 | -1.32 | 1.41 | 8.81E-04 | OR6K3(dist=6658), OR6K6(dist=30043) | intronic |
| 12 | 11865274 | A | T | rs77245049 | 4.73E-05 | 0.114 | 0.073 | 1.64 | 1.25 | -2.14 | 7.60E-01 | 0.083 | 0.076 | 1.10 | 0.78 | -1.54 | 1.51 | 8.83E-04 | ETV6 | intronic |
| 2 | 234518422 | T | C | rs17864668 | 4.26E-01 | 0.187 | 0.173 | 1.10 | 0.89 | -1.36 | 2.83E-05 | 0.248 | 0.171 | 1.60 | 1.28 | -1.99 | 1.33 | 8.83E-04 | USP40(dist=44186), UGT1A8(dist=7869) | intergenic |
| 7 | 82847756 | T | G | rs11761162 | 3.92E-01 | 0.224 | 0.208 | 1.10 | 0.91 | -1.34 | 2.40E-05 | 0.312 | 0.236 | 1.47 | 1.2 | -1.8 | 1.31 | 8.84E-04 | PCLLO(dist=55559), SEMA3E(dist=145466) | intergenic |
| 10 | 44005274 | C | A | rs2999228 | 3.74E-05 | 0.127 | 0.078 | 0.58 | 0.45 | -0.75 | 6.25E-01 | 0.098 | 0.091 | 0.92 | 0.67 | -1.27 | 0.68 | 8.86E-04 | ZNF487(dist=27267), ZNF239(dist=46519) | intergenic |
| 1 | 152942190 | G | A | rs1890284 | 3.81E-05 | 0.277 | 0.201 | 0.65 | 0.54 | -0.79 | 6.55E-01 | 0.232 | 0.230 | 0.99 | 0.79 | -1.24 | 0.77 | 8.89E-04 | SPRR4 | upstream |
| 1 | 174986625 | T | C | rs12124150 | 5.13E-01 | 0.052 | 0.039 | 1.35 | 0.93 | -1.96 | 2.12E-05 | 0.097 | 0.057 | 1.78 | 1.29 | -2.46 | 1.65 | 8.90E-04 | MRPS14 | intronic |
| 9 | 5470242 | G | T | rs10217310 | 2.98E-01 | 0.123 | 0.114 | 1.09 | 0.85 | -1.39 | 4.02E-05 | 0.157 | 0.098 | 1.71 | 1.32 | -2.22 | 1.46 | 8.90E-04 | CD274 | UTR3 |
| 10 | 43989430 | T | G | rs3006410 | 2.95E-05 | 0.125 | 0.076 | 0.58 | 0.44 | -0.75 | 6.61E-01 | 0.095 | 0.089 | 0.93 | 0.68 | -1.28 | 0.68 | 8.93E-04 | ZNF487(dist=11423), ZNF239(dist=62363) | intronic |
| 10 | 43965492 | C | T | rs4948727 | 2.94E-05 | 0.126 | 0.076 | 0.57 | 0.44 | -0.74 | 6.54E-01 | 0.098 | 0.091 | 0.93 | 0.68 | -1.28 | 0.69 | 8.93E-04 | ZNF487 | ncRNA_intronic |
| 8 | 17491467 | G | A | rs35456129 | 4.63E-01 | 0.252 | 0.247 | 1.03 | 0.85 | -1.24 | 4.87E-06 | 0.305 | 0.219 | 1.56 | 1.28 | -1.92 | 1.31 | 8.94E-04 | PDGFRL | intronic |
| 13 | 115018911 | C | T | rs149182518 | 1.72E-05 | 0.074 | 0.041 | 1.86 | 1.34 | -2.6 | 8.00E-01 | 0.030 | 0.030 | 0.98 | 0.56 | -1.69 | 1.80 | 8.97E-04 | CDC16 | intronic |
| 20 | 8193066 | C | T | rs6039096 | 4.31E-01 | 0.099 | 0.092 | 1.08 | 0.82 | -1.42 | 4.31E-05 | 0.137 | 0.079 | 1.84 | 1.39 | -2.43 | 1.46 | 9.04E-04 | PLCB1 | intronic |
| 5 | 2881741 | C | T | rs116673931 | 3.17E-01 | 0.029 | 0.023 | 1.23 | 0.75 | -2.03 | 3.25E-06 | 0.048 | 0.024 | 2.04 | 1.3 | -3.2 | 2.28 | 9.05E-04 | C5orf38(dist=126230), LINC01377(dist=296208) | intergenic |
| 1 | 202632992 | C | T | rs111733518 | 2.47E-01 | 0.055 | 0.047 | 1.16 | 0.81 | -1.67 | 2.52E-05 | 0.071 | 0.036 | 2.01 | 1.38 | -2.93 | 1.74 | 9.09E-04 | SYT2 | intronic |
| 1 | 202635989 | G | A | rs112221889 | 2.21E-01 | 0.053 | 0.046 | 1.17 | 0.81 | -1.7 | 2.34E-05 | 0.065 | 0.033 | 2.04 | 1.38 | -3.02 | 1.77 | 9.19E-04 | SYT2 | intronic |
| 12 | 59955778 | A | G | rs7304123 | 3.12E-05 | 0.150 | 0.099 | 1.60 | 1.26 | -2.03 | 8.56E-01 | 0.110 | 0.108 | 1.02 | 0.76 | -1.37 | 1.42 | 9.19E-04 | LRIG3(dist=641459), SLC16A7(dist=34043) | intergenic |
| 1 | 202636276 | T | C | rs112347071 | 2.20E-01 | 0.053 | 0.046 | 1.17 | 0.81 | -1.7 | 2.33E-05 | 0.065 | 0.033 | 2.04 | 1.38 | -3.02 | 1.78 | 9.20E-04 | SYT2 | intronic |
| 1 | 202635939 | G | A | rs113205378 | 2.21E-01 | 0.053 | 0.046 | 1.17 | 0.81 | -1.7 | 2.35E-05 | 0.065 | 0.033 | 2.04 | 1.38 | -3.02 | 1.77 | 9.20E-04 | SYT2 | intronic |
| 10 | 62383203 | G | C | rs73271546 | 4.09E-05 | 0.027 | 0.061 | 0.43 | 0.26 | -0.69 | 8.92E-01 | 0.053 | 0.053 | 1.00 | 0.66 | -1.52 | 0.57 | 9.22E-04 | ANK3 | intronic |
| 7 | 54493044 | G | A | rs79645177 | 2.82E-01 | 0.041 | 0.034 | 1.22 | 0.8 | -1.85 | 1.97E-05 | 0.057 | 0.024 | 2.44 | 1.6 | -3.71 | 1.87 | 9.26E-04 | LINC01445(dist=75506), VSTM2A(dist=116974) | intergenic |
| 7 | 54493037 | A | G | rs112744506 | 2.82E-01 | 0.041 | 0.034 | 1.22 | 0.8 | -1.85 | 1.97E-05 | 0.057 | 0.024 | 2.44 | 1.6 | -3.71 | 1.87 | 9.26E-04 | LINC01445(dist=75499), VSTM2A(dist=116981) | intergenic |
| 7 | 54493070 | G | A | rs79868956 | 2.82E-01 | 0.041 | 0.034 | 1.22 | 0.8 | -1.85 | 1.96E-05 | 0.057 | 0.024 | 2.44 | 1.6 | -3.71 | 1.87 | 9.26E-04 | LINC01445(dist=75532), VSTM2A(dist=116948) | intergenic |
| 20 | 8218877 | G | A | rs6039105 | 3.82E-01 | 0.072 | 0.066 | 1.10 | 0.8 | -1.51 | 1.80E-05 | 0.094 | 0.054 | 1.84 | 1.32 | -2.55 | 1.68 | 9.26E-04 | PLCB1 | intronic |
| 7 | 54493111 | G | T | rs73397732 | 2.82E-01 | 0.041 | 0.034 | 1.22 | 0.8 | -1.85 | 1.96E-05 | 0.057 | 0.024 | 2.44 | 1.6 | -3.71 | 1.86 | 9.27E-04 | LINC01445(dist=75573), VSTM2A(dist=116907) | intergenic |
| 7 | 54493123 | C | T | rs113051535 | 2.82E-01 | 0.041 | 0.034 | 1.22 | 0.8 | -1.85 | 1.96E-05 | 0.057 | 0.024 | 2.44 | 1.6 | -3.71 | 1.86 | 9.27E-04 | LINC01445(dist=75585), VSTM2A(dist=116895) | intergenic |
| 17 | 52105491 | G | A | rs114166604 | 3.76E-05 | 0.055 | 0.028 | 2.02 | 1.37 | -2.97 | 9.18E-01 | 0.030 | 0.028 | 1.10 | 0.63 | -1.9 | 1.90 | 9.33E-04 | KIF2B(dist=202918), TOM1L1(dist=872561) | intergenic |
| 2 | 77980691 | C | G | rs13398413 | 9.65E-01 | 0.149 | 0.152 | 0.98 | 0.78 | -1.23 | 1.03E-07 | 0.246 | 0.157 | 1.75 | 1.41 | -2.18 | 1.36 | 9.36E-04 | LOC101927967 | ncRNA_intronic |
| 7 | 54493531 | C | A | rs112056569 | 2.82E-01 | 0.041 | 0.034 | 1.22 | 0.8 | -1.85 | 1.97E-05 | 0.057 | 0.024 | 2.43 | 1.6 | -3.71 | 1.86 | 9.39E-04 | LINC01445(dist=75993), VSTM2A(dist=116487) | intergenic |
| 6 | 32446853 | A | T | rs17203612 | 1.86E-05 | 0.209 | 0.276 | 0.69 | 0.57 | -0.84 | 6.47E-01 | 0.297 | 0.316 | 0.91 | 0.75 | -1.12 | 0.77 | 9.40E-04 | HLA-DRA(dist=34027), HLA-DRB5(dist=38301) | intergenic |
| 7 | 54493539 | T | C | rs73397734 | 2.81E-01 | 0.041 | 0.034 | 1.22 | 0.8 | -1.85 | 1.97E-05 | 0.057 | 0.024 | 2.43 | 1.6 | -3.71 | 1.86 | 9.40E-04 | LINC01445(dist=76001), VSTM2A(dist=116479) | intergenic |
| 12 | 102080589 | G | A | rs73390509 | 3.51E-01 | 0.155 | 0.148 | 1.05 | 0.84 | -1.32 | 2.55E-05 | 0.184 | 0.125 | 1.59 | 1.24 | -2.03 | 1.42 | 9.44E-04 | MYBPC1 | downstream |
| 14 | 63237581 | C | T | rs8010200 | 3.98E-05 | 0.564 | 0.479 | 1.41 | 1.19 | -1.66 | 7.46E-01 | 0.486 | 0.480 | 1.02 | 0.85 | -1.23 | 1.25 | 9.49E-04 | KCNH5 | intronic |
| 1 | 158678095 | G | A | rs703135 | 4.93E-05 | 0.184 | 0.121 | 1.64 | 1.32 | -2.04 | 5.50E-01 | 0.167 | 0.163 | 1.03 | 0.8 | -1.32 | 1.39 | 9.49E-04 | OR6K2(dist=7653), OR6K3(dist=8863) | intergenic |
| 11 | 113850102 | G | A | rs145948134 | 7.34E-06 | 0.045 | 0.020 | 2.31 | 1.5 | -3.57 | 9.69E-01 | 0.027 | 0.025 | 1.08 | 0.6 | -1.92 | 2.04 | 9.50E-04 | HTR3A | intronic |
| 7 | 54494492 | G | A | rs112481168 | 3.29E-01 | 0.037 | 0.032 | 1.19 | 0.77 | -1.84 | 1.97E-05 | 0.057 | 0.024 | 2.43 | 1.6 | -3.7 | 1.91 | 9.51E-04 | LINC01445(dist=76954), VSTM2A(dist=115526) | intergenic |
| 20 | 52845123 | C | T | rs73914309 | 6.98E-01 | 0.068 | 0.062 | 1.10 | 0.8 | -1.53 | 5.66E-06 | 0.119 | 0.073 | 1.72 | 1.28 | -2.3 | 1.62 | 9.56E-04 | PFDN4(dist=8631), DOK5(dist=246888) | intergenic |
| 10 | 44004157 | A | G | rs1856400 | 3.40E-05 | 0.126 | 0.077 | 0.58 | 0.45 | -0.75 | 6.61E-01 | 0.097 | 0.091 | 0.93 | 0.68 | -1.28 | 0.69 | 9.57E-04 | ZNF487(dist=26150), ZNF239(dist=47636) | intergenic |
| 13 | 24653346 | G | A | rs61945466 | 9.56E-01 | 0.027 | 0.025 | 1.07 | 0.64 | -1.77 | 7.52E-07 | 0.061 | 0.030 | 2.11 | 1.41 | -3.17 | 2.16 | 9.57E-04 | SPATA13 | intronic |
| 14 | 63252368 | A | G | rs8014674 | 4.05E-05 | 0.490 | 0.401 | 1.43 | 1.22 | -1.69 | 8.17E-01 | 0.415 | 0.416 | 1.00 | 0.82 | -1.2 | 1.26 | 9.57E-04 | KCNH5 | intronic |
| 7 | 54494089 | A | T | rs75031833 | 2.81E-01 | 0.041 | 0.034 | 1.22 | 0.8 | -1.85 | 1.97E-05 | 0.057 | 0.024 | 2.43 | 1.6 | -3.71 | 1.86 | 9.59E-04 | LINC01445(dist=76551), VSTM2A(dist=115929) | intergenic |
| 7 | 54494060 | A | T | rs112165252 | 2.82E-01 | 0.041 | 0.034 | 1.22 | 0.8 | -1.85 | 1.97E-05 | 0.057 | 0.024 | 2.43 | 1.6 | -3.71 | 1.86 | 9.60E-04 | LINC01445(dist=76522), VSTM2A(dist=115958) | intergenic |
| 9 | 117401149 | A | C | rs16930496 | 5.54E-05 | 0.175 | 0.127 | 1.45 | 1.16 | -1.81 | 8.09E-01 | 0.105 | 0.098 | 1.08 | 0.79 | -1.46 | 1.41 | 9.63E-04 | C9orf91 | intronic |
| 20 | 8171572 | A | G | rs6 | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|--------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 1 | 174962082 | C | T | rs12119351 | 5.39E-01 | 0.052 | 0.039 | 1.33 | 0.91 | -1.94 | 2.30E-05 | 0.096 | 0.056 | 1.80 | 1.3 | -2.49 | 1.64 | 1.00E-03 | RABGAP1L | UTR3 |
| 14 | 105575294 | G | A | rs10144463 | 3.75E-01 | 0.224 | 0.188 | 1.24 | 1.02 | -1.52 | 3.25E-05 | 0.279 | 0.228 | 1.31 | 1.06 | -1.62 | 1.34 | 1.01E-03 | LOC102723354(dist=9461), JAG2(dist=32024) | intergenic |
| 3 | 151933378 | C | T | rs16864079 | 4.55E-01 | 0.150 | 0.150 | 1.00 | 0.8 | -1.26 | 2.94E-05 | 0.207 | 0.135 | 1.67 | 1.32 | -2.11 | 1.37 | 1.01E-03 | AADACL2-AS1(dist=287415), MBNL1-AS1(dist=47027) | intergenic |
| 16 | 76958044 | T | A | rs113319316 | 3.88E-05 | 0.142 | 0.095 | 1.57 | 1.23 | -2 | 8.52E-01 | 0.098 | 0.091 | 1.07 | 0.78 | -1.47 | 1.44 | 1.02E-03 | MIR4719(dist=55128), MON1B(dist=266772) | intergenic |
| 9 | 31370837 | C | T | rs112333413 | 1.70E-05 | 0.091 | 0.055 | 1.73 | 1.28 | -2.33 | 9.52E-01 | 0.060 | 0.057 | 1.05 | 0.71 | -1.56 | 1.62 | 1.02E-03 | LINC01242(dist=962385), ACO1(dist=1013764) | intergenic |
| 21 | 36576548 | C | T | rs73363469 | 8.22E-01 | 0.038 | 0.038 | 1.00 | 0.66 | -1.53 | 4.13E-07 | 0.069 | 0.030 | 2.43 | 1.65 | -3.57 | 1.82 | 1.02E-03 | RUNX1(dist=154953), LOC100506403(dist=168257) | intergenic |
| 12 | 27764076 | G | A | rs1142255039 | 3.07E-01 | 0.074 | 0.065 | 1.14 | 0.83 | -1.56 | 2.65E-05 | 0.096 | 0.054 | 1.88 | 1.36 | -2.6 | 1.63 | 1.02E-03 | PPFIBP1 | intronic |
| 2 | 234534829 | G | A | rs17874938 | 4.46E-01 | 0.187 | 0.174 | 1.10 | 0.89 | -1.35 | 3.25E-05 | 0.247 | 0.170 | 1.60 | 1.29 | -1.99 | 1.32 | 1.02E-03 | UT1A8 | intronic |
| 11 | 117482918 | A | G | rs115346943 | 4.68E-01 | 0.055 | 0.051 | 1.09 | 0.76 | -1.56 | 2.69E-06 | 0.081 | 0.043 | 1.96 | 1.38 | -2.78 | 1.71 | 1.04E-03 | DSCAML1 | intronic |
| 6 | 32652392 | A | T | rs17212413 | 6.24E-06 | 0.078 | 0.047 | 1.74 | 1.26 | -2.4 | 8.99E-01 | 0.039 | 0.038 | 1.02 | 0.63 | -1.66 | 1.93 | 1.04E-03 | HLA-DQB1(dist=17926), HLA-DQA2(dist=56771) | intergenic |
| 11 | 117474991 | T | C | rs114566299 | 6.15E-01 | 0.052 | 0.049 | 1.05 | 0.73 | -1.52 | 9.49E-07 | 0.083 | 0.043 | 2.05 | 1.44 | -2.9 | 1.71 | 1.04E-03 | DSCAML1 | intronic |
| 12 | 131021017 | T | C | rs80071870 | 4.46E-01 | 0.029 | 0.026 | 1.11 | 0.68 | -1.81 | 3.09E-05 | 0.055 | 0.024 | 2.39 | 1.56 | -3.67 | 1.97 | 1.05E-03 | RIMBP2(dist=18607), STX2(dist=253128) | intergenic |
| 13 | 115008989 | T | C | rs189327296 | 3.51E-05 | 0.067 | 0.035 | 1.95 | 1.37 | -2.77 | 9.42E-01 | 0.035 | 0.034 | 1.03 | 0.62 | -1.72 | 1.79 | 1.05E-03 | CDC16 | intronic |
| 7 | 54494548 | C | T | rs73397741 | 2.95E-01 | 0.041 | 0.034 | 1.21 | 0.8 | -1.84 | 1.99E-05 | 0.057 | 0.024 | 2.43 | 1.6 | -3.7 | 1.85 | 1.06E-03 | LINC01445(dist=77010), VSTM2A(dist=115470) | intergenic |
| 10 | 97329911 | T | C | rs11188367 | 8.72E-06 | 0.251 | 0.185 | 1.48 | 1.22 | -1.79 | 9.52E-01 | 0.191 | 0.189 | 1.01 | 0.8 | -1.28 | 1.32 | 1.06E-03 | SORBS1(dist=8734), ALDH18A1(dist=35775) | intergenic |
| 17 | 65258365 | C | T | rs60499039 | 6.33E-01 | 0.024 | 0.022 | 1.08 | 0.63 | -1.85 | 1.56E-05 | 0.053 | 0.024 | 2.34 | 1.52 | -3.61 | 2.21 | 1.06E-03 | HELZ(dist=17046), PSMD12(dist=78254) | intergenic |
| 9 | 76698054 | G | T | rs79509341 | 2.68E-05 | 0.091 | 0.050 | 1.91 | 1.41 | -2.59 | 6.78E-01 | 0.098 | 0.095 | 1.03 | 0.75 | -1.41 | 1.59 | 1.07E-03 | MIR6130 | ncRNA_intronic |
| 12 | 59961924 | A | G | rs115543794 | 3.12E-01 | 0.061 | 0.054 | 1.14 | 0.81 | -1.61 | 6.38E-05 | 0.083 | 0.043 | 2.00 | 1.41 | -2.84 | 1.66 | 1.08E-03 | LRI3G3(dist=647605), SLC16A7(dist=27897) | intergenic |
| 11 | 88082778 | A | G | rs7116555 | 2.43E-05 | 0.203 | 0.152 | 1.42 | 1.15 | -1.74 | 8.28E-01 | 0.175 | 0.162 | 1.10 | 0.86 | -1.4 | 1.35 | 1.08E-03 | CTSC(dist=11837), GRM5(dist=154966) | intergenic |
| 7 | 24924885 | T | A | rs182394392 | 5.00E-05 | 0.065 | 0.038 | 1.76 | 1.24 | -2.51 | 8.54E-01 | 0.028 | 0.028 | 1.00 | 0.56 | -1.76 | 1.88 | 1.08E-03 | OSBPL3 | intronic |
| 7 | 54494634 | A | G | rs79249195 | 3.01E-01 | 0.041 | 0.034 | 1.21 | 0.79 | -1.84 | 1.98E-05 | 0.057 | 0.024 | 2.43 | 1.6 | -3.7 | 1.85 | 1.09E-03 | LINC01445(dist=77096), VSTM2A(dist=115384) | intergenic |
| 14 | 99840319 | T | G | rs2614480 | 1.88E-05 | 0.107 | 0.166 | 1.66 | 1.29 | -2.15 | 9.95E-01 | 0.158 | 0.158 | 1.00 | 0.78 | -1.29 | 1.36 | 1.09E-03 | BCL11B(dist=102269), SETD3(dist=23764) | intergenic |
| 7 | 54494635 | A | G | rs74953910 | 3.01E-01 | 0.041 | 0.034 | 1.21 | 0.79 | -1.84 | 1.98E-05 | 0.057 | 0.024 | 2.43 | 1.6 | -3.7 | 1.85 | 1.09E-03 | LINC01445(dist=77097), VSTM2A(dist=115383) | intergenic |
| 11 | 17417337 | C | T | rs8192691 | 7.01E-01 | 0.024 | 0.025 | 0.99 | 0.58 | -1.67 | 8.47E-09 | 0.065 | 0.033 | 2.07 | 1.4 | -3.06 | 2.11 | 1.10E-03 | ABCC8 | intronic |
| 1 | 158700972 | A | C | rs703148 | 3.31E-05 | 0.155 | 0.093 | 1.79 | 1.41 | -2.27 | 7.35E-01 | 0.128 | 0.129 | 0.98 | 0.74 | -1.3 | 1.41 | 1.10E-03 | OR6K3(dist=13067), OR6K6(dist=23634) | intergenic |
| 11 | 134427653 | C | T | rs115425164 | 3.24E-06 | 0.046 | 0.025 | 1.93 | 1.27 | -2.92 | 7.03E-01 | 0.020 | 0.022 | 0.94 | 0.49 | -1.82 | 2.35 | 1.10E-03 | LOC283177(dist=52098), NONE(dist=NONE) | intergenic |
| 1 | 152180128 | A | A | rs12567463 | 3.87E-05 | 0.185 | 0.127 | 1.56 | 1.26 | -1.94 | 8.17E-01 | 0.138 | 0.134 | 1.04 | 0.79 | -1.36 | 1.37 | 1.12E-03 | RPTN(dist=48424), HRNR(dist=4424) | intergenic |
| 3 | 72642110 | G | C | rs78134946 | 5.44E-05 | 0.113 | 0.077 | 1.51 | 1.16 | -1.98 | 8.07E-01 | 0.073 | 0.069 | 1.06 | 0.74 | -1.52 | 1.61 | 1.13E-03 | RYBP(dist=146336), SHQ1(dist=156318) | intergenic |
| 2 | 45132451 | C | T | rs6722424 | 3.00E-01 | 0.104 | 0.097 | 1.08 | 0.82 | -1.41 | 1.47E-05 | 0.126 | 0.076 | 1.76 | 1.32 | -2.35 | 1.48 | 1.13E-03 | CAMKMT(dist=132720), SIX3-AS1(dist=34842) | intergenic |
| 10 | 74073037 | A | G | rs7081608 | 6.23E-01 | 0.268 | 0.244 | 0.88 | 0.73 | -1.06 | 7.06E-06 | 0.358 | 0.278 | 0.69 | 0.57 | -0.84 | 0.77 | 1.14E-03 | DDIT4(dist=37240), DNAJB12(dist=19551) | intergenic |
| 12 | 131025364 | G | A | rs74995814 | 4.46E-01 | 0.029 | 0.027 | 1.11 | 0.69 | -1.81 | 3.65E-05 | 0.055 | 0.024 | 2.40 | 1.56 | -3.68 | 1.94 | 1.15E-03 | RIMBP2(dist=22954), STX2(dist=248781) | intergenic |
| 13 | 115008682 | C | T | rs147821670 | 2.93E-05 | 0.066 | 0.035 | 1.98 | 1.39 | -2.82 | 8.48E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.79 | 1.15E-03 | CDC16 | intronic |
| 13 | 115008876 | A | T | rs142443820 | 2.94E-05 | 0.066 | 0.035 | 1.98 | 1.39 | -2.82 | 8.48E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.79 | 1.15E-03 | CDC16 | intronic |
| 2 | 77980913 | C | T | rs13398656 | 9.43E-01 | 0.151 | 0.154 | 0.97 | 0.78 | -1.22 | 1.45E-07 | 0.246 | 0.158 | 1.74 | 1.4 | -2.17 | 1.35 | 1.15E-03 | LOC101927967 | ncRNA_intronic |
| 13 | 115009061 | T | C | rs146467788 | 2.95E-05 | 0.066 | 0.035 | 1.98 | 1.39 | -2.82 | 8.48E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.79 | 1.15E-03 | CDC16 | intronic |
| 17 | 65256880 | G | A | rs112287131 | 7.01E-01 | 0.023 | 0.022 | 1.06 | 0.62 | -1.82 | 7.93E-06 | 0.053 | 0.022 | 2.43 | 1.57 | -3.76 | 2.18 | 1.16E-03 | HELZ(dist=15561), PSMD12(dist=79739) | intergenic |
| 3 | 161844891 | T | C | rs9881606 | 4.52E-05 | 0.040 | 0.085 | 0.45 | 0.3 | -0.67 | 9.85E-01 | 0.059 | 0.056 | 1.06 | 0.71 | -1.58 | 0.66 | 1.16E-03 | OTOL1(dist=623161), LINC01192(dist=1050140) | intergenic |
| 13 | 115009586 | A | T | rs143058360 | 2.99E-05 | 0.066 | 0.035 | 1.98 | 1.39 | -2.82 | 8.48E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.79 | 1.16E-03 | CDC16 | intronic |
| 13 | 115013752 | G | A | rs138970550 | 2.77E-05 | 0.067 | 0.036 | 1.96 | 1.38 | -2.78 | 8.32E-01 | 0.029 | 0.029 | 0.98 | 0.56 | -1.72 | 1.79 | 1.17E-03 | CDC16 | intronic |
| 1 | 158697754 | C | T | rs857925 | 3.30E-05 | 0.155 | 0.093 | 1.80 | 1.42 | -2.28 | 7.59E-01 | 0.125 | 0.127 | 0.98 | 0.74 | -1.3 | 1.40 | 1.17E-03 | OR6K3(dist=9849), OR6K6(dist=26852) | intergenic |
| 11 | 86481942 | C | T | rs112141577 | 3.75E-01 | 0.188 | 0.181 | 1.05 | 0.85 | -1.29 | 5.86E-05 | 0.221 | 0.169 | 1.39 | 1.11 | -1.75 | 1.48 | 1.17E-03 | ME3(dist=98264), PRSS23(dist=20159) | intergenic |
| 1 | 158698362 | A | G | rs703146 | 3.30E-05 | 0.155 | 0.093 | 1.80 | 1.42 | -2.28 | 7.59E-01 | 0.125 | 0.127 | 0.98 | 0.74 | -1.3 | 1.40 | 1.17E-03 | OR6K3(dist=10457), OR6K6(dist=26244) | intergenic |
| 13 | 115010026 | G | A | rs141659366 | 3.02E-05 | 0.066 | 0.035 | 1.98 | 1.39 | -2.82 | 8.48E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.79 | 1.17E-03 | MIR548AR | ncRNA_exonic |
| 13 | 115010104 | T | C | rs144476102 | 3.03E-05 | 0.066 | 0.035 | 1.98 | 1.39 | -2.82 | 8.48E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.79 | 1.17E-03 | CDC16 | intronic |
| 2 | 44565194 | C | T | rs4953090 | 3.83E-01 | 0.283 | 0.262 | 0.90 | 0.75 | -1.08 | 4.06E-05 | 0.328 | 0.249 | 0.68 | 0.56 | -0.83 | 0.79 | 1.18E-03 | PREPL | intronic |
| 4 | 118445473 | G | A | rs17866013 | 5.20E-05 | 0.049 | 0.023 | 2.24 | 1.48 | -3.39 | 9.52E-01 | 0.021 | 0.020 | 1.05 | 0.55 | -2 | 2.00 | 1.19E-03 | LINC01378 | ncRNA_intronic |
| 10 | 42666096 | A | G | rs7084952 | 5.20E-05 | 0.161 | 0.108 | 0.63 | 0.5 | -0.79 | 5.89E-01 | 0.162 | 0.157 | 0.96 | 0.75 | -1.24 | 0.69 | 1.19E-03 | NONE(dist=NONE), LOC441666(dist=161218) | intergenic |
| 2 | 44565447 | A | T | rs2289463 | 3.85E-01 | 0.283 | 0.262 | 0.90 | 0.75 | -1.08 | 4.09E-05 | 0.328 | 0.249 | 0.68 | 0.56 | -0.83 | 0.79 | 1.19E-03 | PREPL | intronic |
| 6 | 165710356 | G | A | rs78324933 | 2.35E-01 | 0.067 | 0.055 | 1.21 | 0.87 | -1.69 | 4.91E-05 | 0.083 | 0.044 | 1.94 | 1.37 | -2.75 | 1.68 | 1.19E-03 | C6orf118 | intronic |
| 11 | 117455690 | T | C | rs75377388 | 7.88E-01 | 0.056 | 0.056 | 1.00 | 0.7 | -1.43 | 6.95E-07 | 0.089 | 0.043 | 2.17 | 1.54 | -3.04 | 1.64 | 1.20E-03 | DSCAML1 | intronic |
| 1 | 158700732 | C | T | rs703147 | 3.38E-05 | 0.155 | 0.092 | 1.80 | 1.42 | -2.27 | 7.59E-01 | 0.126 | 0.128 | 0.98 | 0.74 | -1.3 | 1.40 | 1.20E-03 | OR6K3(dist=12827), OR6K6(dist=23874) | intergenic |
| 13 | 115025948 | G | A | rs149676584 | 3.18E-05 | 0.066 | 0.035 | 1.98 | 1.39 | -2.81 | 8.48E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.78 | 1.20E-03 | CDC16 | intronic |
| 13 | 115014013 | G | T | rs186072903 | 3.20E-05 | 0.066 | 0.035 | 1.98 | 1.39 | -2.81 | 8.48E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.78 | 1.20E-03 | CDC16 | intronic |
| 13 | 115014481 | G | A | rs138600803 | 3.20E-05 | 0.066 | 0.035 | 1.98 | 1.39 | -2.81 | 8.48E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.78 | 1.20E-03 | CDC16 | intronic |
| 13 | 115014494 | C | T | rs142916945 | 3.20E-05 | 0.066 | 0.035 | 1.98 | 1.39 | -2.81 | 8.48E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.78 | 1.20E-03 | CDC16 | intronic |
| 13 | 115014696 | G | A | rs142631957 | 3.20E-05 | 0.066 | 0.035 | 1.98 | 1.39 | -2.81 | 8.48E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.78 | 1.20E-03 | CDC16 | intronic |
| 13 | 115015117 | G | A | rs150562082 | 3.20E-05 | 0.066 | 0.035 | 1.98 | 1.39 | -2.81 | 8.48E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.78 | 1.21E-03 | CDC16 | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|------------|
| 12 | 131027709 | A | C | rs74685552 | 4.52E-01 | 0.034 | 0.031 | 1.09 | 0.69 | -1.71 | 3.83E-05 | 0.055 | 0.024 | 2.40 | 1.56 | -3.68 | 1.93 | 1.21E-03 | RIMBP2(dist=25299), STX2(dist=246436) | intergenic |
| 13 | 115019910 | T | C | rs138634789 | 3.21E-05 | 0.066 | 0.035 | 1.98 | 1.39 | -2.81 | 8.48E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.78 | 1.21E-03 | CDC16 | intronic |
| 13 | 115019741 | G | A | rs137866013 | 3.21E-05 | 0.066 | 0.035 | 1.98 | 1.39 | -2.81 | 8.48E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.78 | 1.21E-03 | CDC16 | intronic |
| 13 | 115019846 | A | G | rs150160234 | 3.21E-05 | 0.066 | 0.035 | 1.98 | 1.39 | -2.81 | 8.48E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.78 | 1.21E-03 | CDC16 | intronic |
| 16 | 76967458 | T | C | rs9932583 | 5.06E-05 | 0.126 | 0.084 | 1.58 | 1.22 | -2.04 | 8.09E-01 | 0.095 | 0.088 | 1.09 | 0.79 | -1.5 | 1.46 | 1.21E-03 | MIR4719(dist=64542), MON1B(dist=257358) | intergenic |
| 11 | 122159576 | A | G | rs145544269 | 4.34E-01 | 0.030 | 0.027 | 1.15 | 0.71 | -1.86 | 5.93E-06 | 0.046 | 0.023 | 2.04 | 1.29 | -3.23 | 2.28 | 1.22E-03 | MIR100HG(dist=85806), UBASH3B(dist=366822) | intergenic |
| 2 | 77986142 | C | T | rs13382556 | 3.60E-01 | 0.205 | 0.198 | 1.04 | 0.85 | -1.28 | 5.68E-05 | 0.250 | 0.189 | 1.43 | 1.15 | -1.78 | 1.41 | 1.22E-03 | LOC101927967 | intronic |
| 9 | 22837962 | G | A | rs114961168 | 5.94E-01 | 0.059 | 0.056 | 1.05 | 0.74 | -1.49 | 3.15E-06 | 0.088 | 0.045 | 2.06 | 1.47 | -2.9 | 1.64 | 1.22E-03 | LINC01239(dist=13750), LOC101929563(dist=662727) | intergenic |
| 1 | 88482310 | A | G | rs115566002 | 7.01E-01 | 0.033 | 0.032 | 1.02 | 0.64 | -1.61 | 2.11E-06 | 0.059 | 0.029 | 2.12 | 1.41 | -3.19 | 2.08 | 1.24E-03 | LINC01364(dist=644972), PKN2-AS1(dist=520886) | intergenic |
| 2 | 236822324 | G | A | rs1962215 | 4.63E-01 | 0.115 | 0.119 | 1.04 | 0.81 | -1.35 | 5.16E-05 | 0.083 | 0.151 | 1.96 | 1.4 | -2.74 | 1.38 | 1.25E-03 | AGAP1 | intronic |
| 12 | 27758946 | A | G | rs115663302 | 3.12E-01 | 0.072 | 0.064 | 1.14 | 0.83 | -1.57 | 4.14E-05 | 0.096 | 0.053 | 1.88 | 1.36 | -2.6 | 1.61 | 1.25E-03 | PPF1BP1 | intronic |
| 9 | 22856478 | A | G | rs140452608 | 3.52E-01 | 0.034 | 0.030 | 1.16 | 0.74 | -1.83 | 2.68E-05 | 0.054 | 0.028 | 1.98 | 1.29 | -3.03 | 2.08 | 1.25E-03 | LINC01239(dist=32266), LOC101929563(dist=644211) | intergenic |
| 13 | 115017282 | C | T | rs142716935 | 3.61E-05 | 0.066 | 0.035 | 1.97 | 1.38 | -2.8 | 8.58E-01 | 0.029 | 0.029 | 0.99 | 0.57 | -1.73 | 1.78 | 1.26E-03 | CDC16 | intronic |
| 4 | 30170655 | A | G | rs73217435 | 3.94E-01 | 0.040 | 0.030 | 1.33 | 0.87 | -2.04 | 2.53E-05 | 0.060 | 0.038 | 1.60 | 1.07 | -2.4 | 2.18 | 1.27E-03 | MIR4275(dist=1349365), PCDH7(dist=551375) | intergenic |
| 13 | 93124471 | G | A | rs115762242 | 1.90E-06 | 0.073 | 0.040 | 1.87 | 1.34 | -2.61 | 7.79E-01 | 0.047 | 0.047 | 1.00 | 0.65 | -1.56 | 1.75 | 1.27E-03 | GPC5 | intronic |
| 1 | 154507888 | G | A | rs12037271 | 1.93E-05 | 0.273 | 0.190 | 1.60 | 1.33 | -1.94 | 8.37E-01 | 0.228 | 0.234 | 0.97 | 0.78 | -1.21 | 1.30 | 1.27E-03 | TDRD10 | intronic |
| 7 | 22020122 | A | C | rs28482773 | 4.27E-01 | 0.050 | 0.044 | 1.14 | 0.78 | -1.66 | 3.47E-06 | 0.072 | 0.036 | 2.10 | 1.44 | -3.05 | 1.75 | 1.28E-03 | CDC47L(dist=34580), RAPGEF5(dist=137786) | intergenic |
| 4 | 16900368 | G | C | rs28609650 | 2.86E-05 | 0.034 | 0.281 | 1.37 | 1.15 | -1.63 | 9.53E-01 | 0.277 | 0.269 | 1.04 | 0.84 | -1.28 | 1.27 | 1.29E-03 | LDB2 | UTR5 |
| 2 | 44566027 | G | A | rs6721675 | 3.79E-01 | 0.285 | 0.264 | 0.90 | 0.75 | -1.08 | 5.12E-05 | 0.328 | 0.251 | 0.68 | 0.56 | -0.84 | 0.79 | 1.29E-03 | PREPL | intronic |
| 4 | 30175469 | A | G | rs73217438 | 3.46E-01 | 0.054 | 0.041 | 1.33 | 0.92 | -1.92 | 5.63E-05 | 0.078 | 0.051 | 1.57 | 1.1 | -2.24 | 1.83 | 1.29E-03 | MIR4275(dist=1354179), PCDH7(dist=546561) | intergenic |
| 10 | 44003499 | C | T | rs1106215 | 5.61E-05 | 0.126 | 0.078 | 0.59 | 0.45 | -0.76 | 6.60E-01 | 0.097 | 0.091 | 0.93 | 0.68 | -1.28 | 0.69 | 1.30E-03 | ZNF487(dist=25492), ZNF239(dist=48294) | intergenic |
| 11 | 117462832 | G | T | rs114406912 | 6.80E-01 | 0.056 | 0.055 | 1.02 | 0.72 | -1.46 | 7.46E-07 | 0.085 | 0.043 | 2.10 | 1.48 | -2.96 | 1.65 | 1.30E-03 | DSCAML1 | intronic |
| 1 | 60003513 | T | C | rs140035139 | 6.34E-01 | 0.041 | 0.039 | 1.06 | 0.7 | -1.6 | 4.18E-06 | 0.069 | 0.036 | 2.00 | 1.37 | -2.92 | 1.94 | 1.31E-03 | FGY2 | intronic |
| 3 | 110343709 | C | T | rs907657 | 4.52E-05 | 0.350 | 0.293 | 0.77 | 0.65 | -0.92 | 8.51E-01 | 0.309 | 0.286 | 0.89 | 0.73 | -1.09 | 0.79 | 1.32E-03 | MIR4445(dist=1021965), PVRL3-AS1(dist=420454) | intergenic |
| 14 | 63275552 | A | T | rs1826138 | 9.00E-06 | 0.365 | 0.456 | 1.46 | 1.23 | -1.72 | 7.62E-01 | 0.454 | 0.444 | 0.96 | 0.8 | -1.16 | 1.25 | 1.32E-03 | KCNH5 | intronic |
| 5 | 2885688 | C | T | rs115338070 | 3.90E-01 | 0.028 | 0.024 | 1.19 | 0.73 | -1.97 | 3.16E-06 | 0.048 | 0.024 | 2.06 | 1.31 | -3.23 | 2.20 | 1.32E-03 | C5orf38(dist=130177), LINC01377(dist=292261) | intergenic |
| 14 | 37473354 | G | A | rs2022584 | 6.39E-05 | 0.293 | 0.212 | 0.65 | 0.54 | -0.78 | 6.49E-01 | 0.255 | 0.267 | 1.06 | 0.86 | -1.31 | 0.78 | 1.32E-03 | SLC25A21 | intronic |
| 15 | 91731747 | G | A | rs137903282 | 5.39E-05 | 0.075 | 0.045 | 1.74 | 1.25 | -2.41 | 9.34E-01 | 0.042 | 0.040 | 1.03 | 0.65 | -1.65 | 1.76 | 1.33E-03 | SV2B | intronic |
| 4 | 2789323 | C | G | rs743690 | 5.89E-01 | 0.035 | 0.032 | 1.10 | 0.71 | -1.72 | 5.36E-08 | 0.065 | 0.036 | 1.86 | 1.26 | -2.74 | 2.04 | 1.33E-03 | TNIP2(dist=31220), SH3BP2(dist=5427) | intergenic |
| 13 | 110409931 | A | C | rs7996317 | 4.12E-05 | 0.138 | 0.096 | 1.51 | 1.19 | -1.93 | 7.77E-01 | 0.107 | 0.099 | 1.09 | 0.8 | -1.47 | 1.42 | 1.34E-03 | IRS2 | intronic |
| 6 | 32507936 | T | C | rs71534511 | 6.31E-05 | 0.447 | 0.386 | 0.78 | 0.66 | -0.92 | 4.95E-01 | 0.329 | 0.313 | 0.93 | 0.76 | -1.13 | 0.76 | 1.34E-03 | HLA-DRB5(dist=9930), HLA-DRB6(dist=12554) | intergenic |
| 2 | 224571742 | C | T | rs77100652 | 5.07E-01 | 0.091 | 0.088 | 1.04 | 0.79 | -1.39 | 1.83E-06 | 0.121 | 0.073 | 1.75 | 1.3 | -2.34 | 1.55 | 1.35E-03 | SCG2(dist=104525), AP1S3(dist=48305) | intergenic |
| 14 | 37469378 | T | C | rs12050275 | 5.30E-05 | 0.300 | 0.217 | 0.65 | 0.54 | -0.78 | 7.04E-01 | 0.256 | 0.269 | 1.07 | 0.86 | -1.32 | 0.78 | 1.35E-03 | SLC25A21 | intronic |
| 4 | 2785917 | C | T | rs58126961 | 3.29E-01 | 0.056 | 0.047 | 1.20 | 0.84 | -1.72 | 1.54E-05 | 0.085 | 0.054 | 1.63 | 1.16 | -2.29 | 1.77 | 1.36E-03 | TNIP2(dist=27814), SH3BP2(dist=8833) | intergenic |
| 17 | 52147076 | C | T | rs148487204 | 2.18E-05 | 0.055 | 0.028 | 2.03 | 1.38 | -2.99 | 8.56E-01 | 0.028 | 0.028 | 1.01 | 0.58 | -1.79 | 1.86 | 1.36E-03 | KIF2B(dist=244503), TOM1L1(dist=830976) | intergenic |
| 2 | 203069265 | C | T | rs13383137 | 1.57E-05 | 0.031 | 0.067 | 0.45 | 0.28 | -0.7 | 9.47E-01 | 0.064 | 0.065 | 0.98 | 0.67 | -1.44 | 0.64 | 1.37E-03 | KIAA2012(dist=7379), SUMO1(dist=1638) | intergenic |
| 11 | 70637739 | G | A | rs4980647 | 4.60E-01 | 0.043 | 0.035 | 1.23 | 0.81 | -1.85 | 4.32E-05 | 0.079 | 0.048 | 1.69 | 1.19 | -2.41 | 1.76 | 1.37E-03 | SHANK2 | intronic |
| 13 | 65229421 | T | C | rs359348 | 3.71E-01 | 0.345 | 0.358 | 1.06 | 0.89 | -1.26 | 5.15E-05 | 0.290 | 0.380 | 1.50 | 1.22 | -1.84 | 1.25 | 1.37E-03 | LOC102723968(dist=811163), MIR548X2(dist=1311041) | intergenic |
| 15 | 94856060 | C | T | rs28412055 | 2.81E-05 | 0.067 | 0.042 | 1.64 | 1.16 | -2.3 | 7.38E-01 | 0.034 | 0.034 | 1.01 | 0.6 | -1.68 | 2.01 | 1.38E-03 | MCTP2 | intronic |
| 7 | 47792662 | C | T | rs138857248 | 9.31E-01 | 0.019 | 0.020 | 0.94 | 0.52 | -1.69 | 4.38E-08 | 0.048 | 0.020 | 2.45 | 1.55 | -3.88 | 2.49 | 1.42E-03 | C7orf65(dist=91416), LINC00525(dist=8412) | intergenic |
| 4 | 16900435 | G | A | rs190126055 | 6.38E-06 | 0.331 | 0.265 | 1.37 | 1.15 | -1.63 | 6.19E-01 | 0.254 | 0.255 | 1.00 | 0.81 | -1.24 | 1.30 | 1.42E-03 | LDB2 | upstream |
| 17 | 52149363 | G | C | rs146773515 | 2.31E-05 | 0.055 | 0.028 | 2.03 | 1.38 | -2.99 | 8.51E-01 | 0.028 | 0.028 | 1.01 | 0.57 | -1.79 | 1.85 | 1.42E-03 | KIF2B(dist=246790), TOM1L1(dist=828689) | intergenic |
| 17 | 52148813 | C | T | rs190437775 | 2.30E-05 | 0.055 | 0.028 | 2.03 | 1.38 | -2.99 | 8.51E-01 | 0.028 | 0.028 | 1.01 | 0.57 | -1.79 | 1.85 | 1.42E-03 | KIF2B(dist=246240), TOM1L1(dist=829239) | intergenic |
| 1 | 88486950 | T | C | rs116047066 | 7.07E-01 | 0.033 | 0.033 | 1.02 | 0.64 | -1.6 | 2.27E-05 | 0.061 | 0.028 | 2.25 | 1.5 | -3.37 | 1.95 | 1.43E-03 | LINC01364(dist=649612), PKN2-AS1(dist=516246) | intergenic |
| 17 | 52145988 | C | T | rs141975597 | 2.30E-05 | 0.055 | 0.028 | 2.03 | 1.38 | -2.99 | 8.51E-01 | 0.028 | 0.028 | 1.01 | 0.58 | -1.79 | 1.85 | 1.43E-03 | KIF2B(dist=243415), TOM1L1(dist=832064) | intergenic |
| 5 | 30803294 | A | G | rs79114176 | 3.97E-06 | 0.055 | 0.025 | 2.27 | 1.54 | -3.37 | 7.40E-01 | 0.026 | 0.029 | 0.91 | 0.51 | -1.62 | 2.06 | 1.43E-03 | LOC101929681(dist=1407211), CDH6(dist=390468) | intergenic |
| 18 | 59381638 | G | A | rs73446731 | 3.60E-01 | 0.033 | 0.028 | 1.19 | 0.75 | -1.89 | 3.44E-05 | 0.050 | 0.021 | 2.44 | 1.56 | -3.81 | 1.94 | 1.43E-03 | CDH20(dist=159273), LINC01544(dist=33771) | intergenic |
| 4 | 17009054 | G | A | rs114229179 | 1.04E-05 | 0.156 | 0.103 | 1.61 | 1.28 | -2.03 | 7.68E-01 | 0.104 | 0.104 | 1.00 | 0.74 | -1.36 | 1.41 | 1.43E-03 | LDB2(dist=108622), LOC101929123(dist=164326) | intergenic |
| 20 | 52823923 | T | C | rs80319950 | 8.28E-01 | 0.057 | 0.054 | 1.07 | 0.75 | -1.52 | 4.52E-07 | 0.094 | 0.058 | 1.68 | 1.21 | -2.33 | 1.79 | 1.46E-03 | PFND4 | upstream |
| 3 | 141474757 | A | G | rs77360075 | 2.92E-01 | 0.029 | 0.023 | 1.24 | 0.75 | -2.03 | 2.22E-06 | 0.043 | 0.022 | 1.95 | 1.21 | -3.14 | 2.34 | 1.47E-03 | RNF7(dist=9112), GRK7(dist=22286) | intergenic |
| 8 | 60034329 | G | A | rs10957078 | 8.26E-06 | 0.247 | 0.330 | 0.66 | 0.55 | -0.8 | 6.62E-01 | 0.314 | 0.302 | 1.05 | 0.86 | -1.29 | 0.80 | 1.47E-03 | TOX(dist=2562), CA8(dist=1067094) | intergenic |
| 1 | 154514067 | G | A | rs11265632 | 2.23E-05 | 0.274 | 0.191 | 1.60 | 1.32 | -1.93 | 8.60E-01 | 0.229 | 0.235 | 0.97 | 0.77 | -1.21 | 1.30 | 1.47E-03 | TDRD10 | intronic |
| 11 | 17403528 | C | T | rs72865058 | 7.97E-01 | 0.022 | 0.022 | 1.02 | 0.59 | -1.77 | 6.63E-07 | 0.065 | 0.034 | 1.99 | 1.35 | -2.95 | 2.05 | 1.49E-03 | NCR3LG1(dist=4660), KCNJ11(dist=3268) | intergenic |
| 4 | 80843132 | T | G | rs75210509 | 5.76E-05 | 0.041 | 0.024 | 1.77 | 1.15 | -2.74 | 7.71E-01 | 0.031 | 0.028 | 1.13 | 0.66 | -1.94 | 2.38 | 1.49E-03 | ANTXR2 | intronic |
| 7 | 153913004 | A | G | rs4507682 | 5.75E-05 | 0.225 | 0.168 | 1.43 | 1.17 | -1.75 | 9.62E-01 | 0.159 | 0.154 | 1.04 | 0.81 | -1.34 | 1.33 | 1.49E-03 | DPP6 | intronic |
| 2 | 113664501 | A | C | rs10170349 | 4.56E-01 | 0.161 | 0.176 | 0.90 | 0.72 | -1.12 | 2.95E-05 | 0.091 | 0.159 | 0.53 | 0.38 | -0.73 | 0.75 | 1.50E-03 | IL1B(dist=70145), IL37(dist=6047) | intergenic |
| 6 | 150638002 | C | T | rs9371391 | 2.22E-05 | 0.484 | 0.470 | 0.74 | 0.63 | -0.88 | 9.91E-01 | 0.489 | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 1 | 154488533 | A | G | rs12128408 | 2.13E-05 | 0.272 | 0.190 | 1.60 | 1.32 | -1.93 | 8.75E-01 | 0.231 | 0.237 | 0.97 | 0.77 | -1.21 | 1.30 | 1.56E-03 | TDRD10 | intronic |
| 1 | 60018078 | C | T | rs7523743 | 4.41E-01 | 0.045 | 0.041 | 1.12 | 0.75 | -1.66 | 4.87E-05 | 0.072 | 0.037 | 2.03 | 1.4 | -2.95 | 1.72 | 1.56E-03 | FGGY | intronic |
| 13 | 104888864 | A | G | rs73598634 | 1.02E-05 | 0.048 | 0.024 | 2.01 | 1.33 | -3.03 | 9.36E-01 | 0.025 | 0.025 | 1.02 | 0.56 | -1.86 | 2.08 | 1.56E-03 | LINC01309(dist=808829), DAOA-AS1(dist=1222542) | intergenic |
| 4 | 2785064 | C | T | rs146082122 | 6.48E-01 | 0.036 | 0.034 | 1.08 | 0.7 | -1.68 | 3.67E-08 | 0.065 | 0.036 | 1.85 | 1.25 | -2.73 | 2.05 | 1.56E-03 | TNIP2(dist=26961), SH3BP2(dist=9686) | intergenic |
| 4 | 135575704 | A | G | rs115221071 | 7.37E-01 | 0.031 | 0.030 | 1.05 | 0.66 | -1.69 | 2.02E-06 | 0.059 | 0.029 | 2.13 | 1.42 | -3.22 | 2.00 | 1.57E-03 | PABPC4L(dist=452801), LINC00613(dist=1212434) | intergenic |
| 11 | 22682026 | C | G | rs77110345 | 5.26E-01 | 0.034 | 0.032 | 1.06 | 0.68 | -1.67 | 2.95E-05 | 0.060 | 0.026 | 2.35 | 1.56 | -3.54 | 1.87 | 1.57E-03 | FANCF(dist=34639), GAS2(dist=6134) | intergenic |
| 11 | 22674802 | A | G | rs114911974 | 5.64E-01 | 0.034 | 0.032 | 1.06 | 0.68 | -1.67 | 2.95E-05 | 0.060 | 0.026 | 2.35 | 1.56 | -3.55 | 1.86 | 1.58E-03 | FANCF(dist=27415), GAS2(dist=13358) | intergenic |
| 1 | 154511502 | T | C | rs12136771 | 2.29E-05 | 0.274 | 0.191 | 1.60 | 1.32 | -1.93 | 8.76E-01 | 0.229 | 0.235 | 0.97 | 0.77 | -1.21 | 1.30 | 1.58E-03 | TDRD10 | intronic |
| 1 | 60012158 | A | T | rs17119589 | 4.49E-01 | 0.045 | 0.041 | 1.12 | 0.75 | -1.66 | 4.82E-05 | 0.072 | 0.037 | 2.03 | 1.4 | -2.95 | 1.72 | 1.60E-03 | FGGY | intronic |
| 11 | 117452133 | A | G | rs115201545 | 8.52E-01 | 0.055 | 0.055 | 0.99 | 0.69 | -1.41 | 9.81E-07 | 0.089 | 0.043 | 2.17 | 1.55 | -3.05 | 1.61 | 1.60E-03 | DSCAML1 | intronic |
| 17 | 65080635 | C | T | rs113893581 | 4.52E-01 | 0.034 | 0.031 | 1.12 | 0.71 | -1.76 | 4.50E-05 | 0.061 | 0.030 | 2.10 | 1.4 | -3.14 | 1.93 | 1.61E-03 | HELZ | intronic |
| 12 | 25153270 | A | G | rs116800187 | 4.30E-01 | 0.080 | 0.076 | 1.05 | 0.78 | -1.42 | 3.30E-05 | 0.118 | 0.070 | 1.77 | 1.32 | -2.38 | 1.53 | 1.61E-03 | C12orf77(dist=2897), LRMP(dist=51911) | intergenic |
| 10 | 74068998 | G | A | rs4433500 | 5.10E-01 | 0.329 | 0.306 | 0.90 | 0.76 | -1.07 | 2.76E-05 | 0.416 | 0.335 | 0.71 | 0.59 | -0.86 | 0.79 | 1.62E-03 | KIF2B(dist=33201), DNAJB12(dist=23590) | intergenic |
| 4 | 92096026 | A | G | rs6532280 | 5.30E-01 | 0.336 | 0.315 | 1.10 | 0.92 | -1.3 | 2.72E-05 | 0.405 | 0.326 | 1.41 | 1.16 | -1.7 | 1.25 | 1.62E-03 | CCSER1 | intronic |
| 18 | 59576182 | A | T | rs11876731 | 5.25E-01 | 0.119 | 0.116 | 1.02 | 0.8 | -1.32 | 1.71E-05 | 0.170 | 0.106 | 1.72 | 1.33 | -2.21 | 1.40 | 1.64E-03 | RNF152(dist=15878), PIGN(dist=135276) | intergenic |
| 11 | 117451192 | G | A | rs115668269 | 8.60E-01 | 0.054 | 0.055 | 0.99 | 0.69 | -1.41 | 9.66E-07 | 0.089 | 0.043 | 2.17 | 1.55 | -3.05 | 1.61 | 1.64E-03 | DSCAML1 | intronic |
| 20 | 50190010 | G | T | rs6096484 | 2.41E-01 | 0.029 | 0.022 | 1.30 | 0.79 | -2.15 | 3.50E-05 | 0.042 | 0.022 | 1.91 | 1.18 | -3.08 | 2.24 | 1.64E-03 | NFATC2(dist=10640), ATP9A(dist=23304) | intergenic |
| 9 | 22881971 | G | T | rs187819040 | 6.40E-01 | 0.063 | 0.061 | 1.04 | 0.75 | -1.46 | 1.98E-06 | 0.093 | 0.048 | 2.01 | 1.44 | -2.8 | 1.60 | 1.65E-03 | LINC01239(dist=57759), LOC101929563(dist=618718) | intergenic |
| 11 | 117471346 | G | C | rs114151539 | 7.72E-01 | 0.051 | 0.050 | 1.01 | 0.7 | -1.46 | 7.45E-07 | 0.085 | 0.043 | 2.08 | 1.47 | -2.93 | 1.66 | 1.65E-03 | DSCAML1 | intronic |
| 10 | 42607692 | T | C | rs10899776;rs386743106 | 9.14E-06 | 0.192 | 0.132 | 0.64 | 0.52 | -0.79 | 9.38E-01 | 0.186 | 0.186 | 1.00 | 0.79 | -1.27 | 0.71 | 1.65E-03 | NONE(dist=NONE), LOC441666(dist=219622) | intergenic |
| 2 | 234588585 | G | A | rs7579530 | 5.70E-01 | 0.286 | 0.294 | 1.04 | 0.87 | -1.25 | 1.71E-05 | 0.192 | 0.284 | 1.67 | 1.32 | -2.12 | 1.25 | 1.66E-03 | UGT1A10, UGT1A8, UGT1A9 | intronic |
| 19 | 5538183 | G | A | rs34318315 | 2.31E-06 | 0.077 | 0.037 | 2.16 | 1.55 | -3.01 | 7.43E-01 | 0.060 | 0.068 | 0.88 | 0.59 | -1.3 | 1.68 | 1.66E-03 | ZNRF4(dist=81316), TINCR(dist=19995) | intergenic |
| 17 | 52149042 | C | T | rs112664257 | 2.83E-05 | 0.056 | 0.029 | 1.99 | 1.36 | -2.91 | 8.17E-01 | 0.028 | 0.028 | 1.00 | 0.57 | -1.76 | 1.82 | 1.67E-03 | KIF2B(dist=246469), TOM1L1(dist=829010) | intergenic |
| 21 | 27406078 | G | A | rs8127138 | 1.73E-05 | 0.073 | 0.040 | 1.90 | 1.36 | -2.66 | 8.58E-01 | 0.040 | 0.041 | 0.98 | 0.61 | -1.57 | 1.69 | 1.67E-03 | APP | intronic |
| 9 | 16139260 | A | G | rs7870624 | 5.70E-01 | 0.174 | 0.172 | 1.01 | 0.82 | -1.26 | 1.18E-05 | 0.225 | 0.152 | 1.62 | 1.3 | -2.04 | 1.36 | 1.68E-03 | CCDC171(dist=167363), C9orf92(dist=64673) | intergenic |
| 15 | 83261434 | C | T | rs116407112 | 6.87E-01 | 0.042 | 0.046 | 0.91 | 0.61 | -1.36 | 3.48E-09 | 0.085 | 0.042 | 2.10 | 1.49 | -2.97 | 1.81 | 1.68E-03 | CPEB1 | intronic |
| 5 | 106029422 | G | T | rs73777730 | 4.53E-05 | 0.163 | 0.236 | 0.63 | 0.51 | -0.78 | 8.15E-01 | 0.202 | 0.200 | 1.02 | 0.8 | -1.28 | 0.77 | 1.69E-03 | ST8SIA4(dist=390433), SLC04C1(dist=940270) | intergenic |
| 1 | 154494480 | C | G | rs10908843 | 2.18E-05 | 0.272 | 0.189 | 1.60 | 1.33 | -1.93 | 9.04E-01 | 0.228 | 0.235 | 0.96 | 0.77 | -1.2 | 1.29 | 1.70E-03 | TDRD10 | intronic |
| 1 | 154496489 | C | T | rs11265628 | 2.15E-05 | 0.272 | 0.189 | 1.60 | 1.33 | -1.93 | 9.08E-01 | 0.227 | 0.234 | 0.96 | 0.77 | -1.2 | 1.29 | 1.71E-03 | TDRD10 | intronic |
| 9 | 91334432 | A | G | rs1547847 | 6.49E-01 | 0.176 | 0.161 | 0.90 | 0.72 | -1.11 | 2.88E-06 | 0.252 | 0.187 | 0.69 | 0.55 | -0.85 | 0.75 | 1.71E-03 | LOC286238(dist=67357), MIR4289(dist=26319) | intergenic |
| 1 | 154492702 | G | A | rs10908842 | 2.40E-05 | 0.272 | 0.189 | 1.60 | 1.32 | -1.93 | 8.91E-01 | 0.228 | 0.235 | 0.96 | 0.77 | -1.2 | 1.29 | 1.72E-03 | TDRD10 | intronic |
| 4 | 16899823 | T | A | rs10032816 | 4.26E-05 | 0.342 | 0.276 | 1.37 | 1.15 | -1.62 | 9.39E-01 | 0.275 | 0.268 | 1.04 | 0.84 | -1.28 | 1.26 | 1.73E-03 | LDB2 | intronic |
| 10 | 36124547 | G | A | rs76191871 | 1.35E-03 | 0.046 | 0.023 | 2.01 | 1.32 | -3.07 | 4.27E-05 | 0.054 | 0.036 | 1.51 | 0.99 | -2.3 | 2.56 | 1.73E-03 | LINC01452(dist=34699), ANKRD30A(dist=1290238) | intergenic |
| 12 | 53785245 | A | T | rs147801318 | 6.89E-01 | 0.025 | 0.023 | 1.07 | 0.63 | -1.82 | 1.85E-05 | 0.056 | 0.025 | 2.29 | 1.51 | -3.5 | 2.01 | 1.74E-03 | SP1 | intronic |
| 6 | 16368821 | A | G | rs111831951 | 4.94E-05 | 0.042 | 0.024 | 1.77 | 1.15 | -2.72 | 8.00E-01 | 0.024 | 0.021 | 1.15 | 0.62 | -2.13 | 2.41 | 1.75E-03 | ATXN1 | intronic |
| 1 | 168792244 | C | T | rs61801628 | 7.10E-01 | 0.025 | 0.022 | 1.16 | 0.69 | -1.96 | 5.43E-05 | 0.058 | 0.030 | 1.98 | 1.31 | -2.99 | 2.09 | 1.75E-03 | LINC00626(dist=30118), LINC00970(dist=80899) | intergenic |
| 15 | 83325529 | G | A | rs66793760 | 6.10E-01 | 0.339 | 0.340 | 0.99 | 0.84 | -1.18 | 1.58E-05 | 0.416 | 0.317 | 1.54 | 1.27 | -1.86 | 1.24 | 1.75E-03 | CPEB1-AS1 | ncRNA_intronic |
| 1 | 168792003 | A | T | rs61801627 | 7.17E-01 | 0.025 | 0.022 | 1.16 | 0.68 | -1.96 | 5.26E-05 | 0.057 | 0.030 | 1.98 | 1.31 | -2.99 | 2.10 | 1.76E-03 | LINC00626(dist=29877), LINC00970(dist=81140) | intergenic |
| 15 | 41709168 | C | T | rs114706939 | 6.25E-05 | 0.092 | 0.060 | 1.59 | 1.18 | -2.13 | 8.90E-01 | 0.046 | 0.045 | 1.03 | 0.66 | -1.61 | 1.61 | 1.76E-03 | RTF1 | intronic |
| 11 | 117461570 | T | C | rs116603337 | 8.28E-01 | 0.054 | 0.054 | 0.99 | 0.69 | -1.42 | 5.31E-07 | 0.084 | 0.042 | 2.13 | 1.5 | -3.01 | 1.64 | 1.76E-03 | DSCAML1 | intronic |
| 1 | 183040472 | C | T | rs73051761 | 6.49E-05 | 0.056 | 0.028 | 2.03 | 1.38 | -2.98 | 9.68E-01 | 0.026 | 0.024 | 1.07 | 0.59 | -1.93 | 1.84 | 1.76E-03 | LAMC1 | intronic |
| 1 | 154479670 | C | T | rs6664608 | 2.97E-05 | 0.269 | 0.188 | 1.59 | 1.32 | -1.92 | 8.52E-01 | 0.230 | 0.235 | 0.97 | 0.78 | -1.21 | 1.29 | 1.76E-03 | TDRD10 | intronic |
| 1 | 183044820 | C | T | rs73051766 | 6.44E-05 | 0.056 | 0.028 | 2.03 | 1.38 | -2.98 | 9.69E-01 | 0.026 | 0.024 | 1.07 | 0.59 | -1.93 | 1.84 | 1.77E-03 | LAMC1 | intronic |
| 15 | 50279418 | A | C | rs28590156 | 2.13E-05 | 0.051 | 0.026 | 2.00 | 1.34 | -2.98 | 9.75E-01 | 0.032 | 0.031 | 1.04 | 0.61 | -1.76 | 1.91 | 1.77E-03 | ATP8B4 | intronic |
| 1 | 183046268 | G | T | rs78996086 | 6.44E-05 | 0.056 | 0.028 | 2.03 | 1.38 | -2.98 | 9.69E-01 | 0.026 | 0.024 | 1.07 | 0.59 | -1.93 | 1.84 | 1.77E-03 | LAMC1 | intronic |
| 14 | 21239104 | G | C | rs17096253 | 6.07E-05 | 0.333 | 0.268 | 1.37 | 1.15 | -1.63 | 9.28E-01 | 0.246 | 0.235 | 1.06 | 0.85 | -1.32 | 1.26 | 1.78E-03 | EDDM3B(NM_022360:c.*351G>C) | UTR3 |
| 15 | 41517947 | A | T | rs115691692 | 3.55E-05 | 0.149 | 0.103 | 1.52 | 1.2 | -1.93 | 6.62E-01 | 0.073 | 0.076 | 0.97 | 0.68 | -1.38 | 1.43 | 1.79E-03 | EXD1 | intronic |
| 1 | 154505270 | C | T | rs12407048 | 2.17E-05 | 0.272 | 0.189 | 1.60 | 1.33 | -1.93 | 9.28E-01 | 0.227 | 0.234 | 0.96 | 0.77 | -1.2 | 1.29 | 1.79E-03 | TDRD10 | intronic |
| 5 | 132268861 | G | A | rs10900813 | 6.76E-01 | 0.060 | 0.052 | 1.16 | 0.82 | -1.64 | 3.15E-05 | 0.108 | 0.070 | 1.61 | 1.19 | -2.19 | 1.63 | 1.79E-03 | AFF4 | intronic |
| 15 | 41516685 | A | G | rs77192017 | 3.65E-05 | 0.150 | 0.104 | 1.52 | 1.2 | -1.93 | 6.65E-01 | 0.074 | 0.076 | 0.97 | 0.68 | -1.38 | 1.43 | 1.80E-03 | EXD1 | intronic |
| 1 | 154477440 | G | A | rs12118018 | 4.20E-05 | 0.275 | 0.196 | 1.56 | 1.29 | -1.88 | 7.92E-01 | 0.245 | 0.249 | 0.98 | 0.79 | -1.21 | 1.29 | 1.81E-03 | TDRD10 | intronic |
| 17 | 52226967 | T | C | rs114329480 | 2.88E-05 | 0.056 | 0.029 | 2.01 | 1.37 | -2.95 | 8.04E-01 | 0.029 | 0.030 | 0.99 | 0.57 | -1.72 | 1.81 | 1.82E-03 | KIF2B(dist=324394), TOM1L1(dist=751085) | intergenic |
| 4 | 147395797 | A | C | rs4835313 | 5.16E-01 | 0.200 | 0.189 | 0.93 | 0.76 | -1.14 | 4.56E-05 | 0.251 | 0.183 | 0.67 | 0.54 | -0.83 | 0.77 | 1.83E-03 | SLC10A7 | intronic |
| 2 | 44565266 | C | A | rs4953091 | 4.45E-01 | 0.286 | 0.267 | 0.91 | 0.76 | -1.09 | 5.60E-05 | 0.333 | 0.255 | 0.69 | 0.56 | -0.84 | 0.80 | 1.83E-03 | PREPL | intronic |
| 5 | 171385823 | C | T | rs7730547 | 6.97E-01 | 0.060 | 0.057 | 1.07 | 0.76 | -1.5 | 3.69E-05 | 0.109 | 0.065 | 1.75 | 1.29 | -2.38 | 1.58 | 1.84E-03 | FBXW11 | intronic |
| 13 | 93120158 | C | G | rs115784027 | 5.80E-06 | 0.073 | 0.042 | 1.81 | 1.3 | -2.53 | 8.11E-01 | 0.048 | 0.048 | 1.01 | 0.65 | -1.56 | 1.71 | 1.84E-03 | GPC5 | intronic |
| 3 | 132090619 | A | G | rs142717267 | 4.77E-01 | 0.044 | 0.039 | 1.12 | 0.75 | -1.68 | 3.89E-06 | 0.067 | 0.040 | 1.72 | 1.17 | -2.51 | 1.94 | 1.85E-03 | ACPP(dist=3473), DNAJC13(dist=45934) | intergenic |
| 18 | 59572374 | G | C | rs76635470 | 5.07E-01 | 0.120 | 0.117 | 1.03 | 0.8 | -1.32 | 2.45E-05 | 0.16 | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 10 | 42635908 | T | A | rs10900238 | 1.89E-05 | 0.144 | 0.097 | 0.64 | 0.5 | -0.81 | 7.78E-01 | 0.155 | 0.154 | 0.99 | 0.76 | -1.28 | 0.67 | 1.92E-03 | NONE(dist=NONE), LOC441666(dist=191406) | intergenic |
| 11 | 22652212 | G | A | rs114490427 | 5.57E-01 | 0.034 | 0.032 | 1.07 | 0.68 | -1.68 | 4.24E-05 | 0.060 | 0.027 | 2.34 | 1.55 | -3.53 | 1.82 | 1.92E-03 | FANCF(dist=4825), GAS2(dist=35948) | intergenic |
| 2 | 44842961 | C | A | rs6745785 | 9.13E-01 | 0.037 | 0.030 | 0.81 | 0.53 | -1.26 | 9.63E-07 | 0.089 | 0.053 | 0.58 | 0.41 | -0.8 | 0.56 | 1.93E-03 | CAMKMT | intronic |
| 5 | 94453002 | G | A | rs182843187 | 2.12E-05 | 0.045 | 0.024 | 1.90 | 1.25 | -2.9 | 6.97E-01 | 0.022 | 0.023 | 0.98 | 0.52 | -1.84 | 2.37 | 1.94E-03 | MCTP1 | intronic |
| 19 | 52789158 | G | A | rs76980680 | 7.23E-01 | 0.162 | 0.158 | 1.03 | 0.83 | -1.29 | 4.73E-06 | 0.222 | 0.152 | 1.59 | 1.26 | -1.99 | 1.34 | 1.94E-03 | ZNF766 | intronic |
| 14 | 99846962 | G | A | rs2754066 | 1.76E-05 | 0.138 | 0.201 | 1.58 | 1.25 | -1.99 | 8.77E-01 | 0.191 | 0.187 | 0.98 | 0.77 | -1.24 | 1.31 | 1.95E-03 | BCL11B(dist=108912), SETD3(dist=17121) | intergenic |
| 14 | 63256420 | C | A | rs1586649 | 4.08E-05 | 0.441 | 0.358 | 1.42 | 1.2 | -1.67 | 9.58E-01 | 0.372 | 0.378 | 0.98 | 0.8 | -1.18 | 1.25 | 1.95E-03 | KCNH5 | intronic |
| 16 | 80509220 | G | A | rs8044949 | 3.95E-01 | 0.057 | 0.053 | 1.08 | 0.76 | -1.54 | 2.21E-05 | 0.071 | 0.041 | 1.90 | 1.24 | -2.61 | 1.79 | 1.96E-03 | LOC102724084 | ncRNA_intronic |
| 2 | 224571409 | G | A | rs113761502 | 3.25E-01 | 0.174 | 0.167 | 1.06 | 0.85 | -1.31 | 6.18E-05 | 0.201 | 0.142 | 1.52 | 1.2 | -1.93 | 1.35 | 1.97E-03 | SCG2(dist=104192), AP1S3(dist=48638) | intergenic |
| 2 | 143539861 | T | C | rs75300581 | 3.22E-01 | 0.035 | 0.025 | 1.43 | 0.91 | -2.27 | 6.49E-05 | 0.055 | 0.033 | 1.70 | 1.11 | -2.58 | 2.05 | 1.97E-03 | LRP1B(dist=650591), KYNU(dist=95334) | intergenic |
| 13 | 115014048 | T | C | rs12583737 | 5.78E-05 | 0.071 | 0.039 | 1.91 | 1.36 | -2.68 | 8.09E-01 | 0.032 | 0.032 | 0.99 | 0.58 | -1.69 | 1.69 | 1.98E-03 | CDC16 | intronic |
| 3 | 194978874 | A | T | rs114281307 | 6.29E-01 | 0.031 | 0.029 | 1.07 | 0.67 | -1.72 | 1.39E-05 | 0.048 | 0.023 | 2.09 | 1.33 | -3.28 | 2.37 | 1.98E-03 | XXYLT1 | intronic |
| 13 | 65227118 | A | G | rs6650415 | 4.49E-01 | 0.335 | 0.346 | 1.05 | 0.88 | -1.25 | 5.74E-05 | 0.283 | 0.373 | 1.51 | 1.23 | -1.86 | 1.24 | 1.98E-03 | LOC102723968(dist=808860), MIR548X2(dist=1313344) | intergenic |
| 1 | 180196654 | C | T | rs115731305 | 4.98E-05 | 0.136 | 0.093 | 1.54 | 1.2 | -1.96 | 9.35E-01 | 0.085 | 0.082 | 1.03 | 0.74 | -1.45 | 1.46 | 1.99E-03 | FLJ23867(dist=26795), LHX4(dist=2779) | intergenic |
| 4 | 3812204 | T | C | rs28454988 | 6.92E-01 | 0.261 | 0.259 | 0.99 | 0.82 | -1.19 | 1.44E-05 | 0.335 | 0.247 | 0.65 | 0.53 | -0.8 | 0.78 | 1.99E-03 | ADRA2C(dist=41951), FAM86EP(dist=131283) | intergenic |
| 15 | 62100771 | C | T | rs73426758 | 2.01E-05 | 0.057 | 0.031 | 1.87 | 1.29 | -2.73 | 8.30E-01 | 0.030 | 0.030 | 0.99 | 0.57 | -1.7 | 1.87 | 1.99E-03 | RORA(dist=579269), VPS13C(dist=43819) | intergenic |
| 11 | 22646046 | A | C | rs45473997 | 5.81E-01 | 0.034 | 0.032 | 1.06 | 0.68 | -1.67 | 3.74E-05 | 0.060 | 0.026 | 2.36 | 1.56 | -3.55 | 1.81 | 2.00E-03 | FANCF(NM_022725:c.*186T>G) | UTR3 |
| 17 | 65253562 | G | C | rs57681212 | 8.68E-01 | 0.027 | 0.027 | 1.00 | 0.6 | -1.66 | 3.09E-06 | 0.050 | 0.024 | 2.40 | 1.57 | -3.65 | 2.02 | 2.00E-03 | HELZ(dist=12243), PSMD12(dist=83057) | intergenic |
| 7 | 41234037 | A | G | rs73687954 | 4.78E-01 | 0.094 | 0.089 | 1.06 | 0.8 | -1.41 | 6.34E-06 | 0.125 | 0.079 | 1.67 | 1.25 | -2.22 | 1.52 | 2.01E-03 | LINC01449(dist=60938), INHBA(dist=494564) | intergenic |
| 13 | 115021722 | G | C | rs17291355 | 5.95E-05 | 0.071 | 0.039 | 1.91 | 1.36 | -2.67 | 8.09E-01 | 0.032 | 0.032 | 0.99 | 0.58 | -1.69 | 1.69 | 2.01E-03 | CDC16 | intronic |
| 3 | 53419887 | C | T | rs72954845 | 4.83E-01 | 0.113 | 0.105 | 1.08 | 0.83 | -1.4 | 2.01E-05 | 0.129 | 0.075 | 1.83 | 1.38 | -2.44 | 1.42 | 2.01E-03 | DCP1A(dist=38233), CACNA1D(dist=109189) | intergenic |
| 17 | 65167971 | G | A | rs111788648 | 8.09E-01 | 0.028 | 0.028 | 1.03 | 0.63 | -1.69 | 1.73E-06 | 0.055 | 0.024 | 2.42 | 1.58 | -3.71 | 1.99 | 2.02E-03 | HELZ | intronic |
| 12 | 59951147 | C | A | rs74093388 | 5.09E-05 | 0.141 | 0.092 | 1.61 | 1.26 | -2.05 | 9.94E-01 | 0.104 | 0.105 | 0.99 | 0.73 | -1.34 | 1.40 | 2.02E-03 | LRI3G3(dist=636828), SLC16A7(dist=38674) | intergenic |
| 14 | 21239846 | A | C | rs79214935 | 1.60E-05 | 0.165 | 0.116 | 1.51 | 1.2 | -1.89 | 6.92E-01 | 0.105 | 0.105 | 1.00 | 0.73 | -1.35 | 1.43 | 2.02E-03 | EDDM3B | downstream |
| 17 | 52226025 | C | T | rs140375751 | 3.07E-05 | 0.056 | 0.029 | 2.00 | 1.36 | -2.93 | 7.84E-01 | 0.030 | 0.030 | 0.98 | 0.57 | -1.7 | 1.80 | 2.02E-03 | KIF2B(dist=323452), TOM1L1(dist=752027) | intergenic |
| 17 | 52227038 | G | A | rs138171009 | 1.24E-05 | 0.062 | 0.032 | 2.00 | 1.39 | -2.88 | 5.96E-01 | 0.030 | 0.033 | 0.92 | 0.53 | -1.59 | 1.77 | 2.02E-03 | KIF2B(dist=324465), TOM1L1(dist=751014) | intergenic |
| 21 | 40652231 | T | C | rs77792104 | 7.34E-01 | 0.040 | 0.039 | 1.03 | 0.68 | -1.56 | 1.37E-05 | 0.074 | 0.035 | 2.17 | 1.5 | -3.14 | 1.77 | 2.03E-03 | BRWD1 | intronic |
| 2 | 234586814 | A | G | rs7587916 | 6.00E-01 | 0.280 | 0.292 | 1.04 | 0.87 | -1.24 | 2.05E-05 | 0.192 | 0.283 | 1.66 | 1.31 | -2.1 | 1.24 | 2.03E-03 | UGT1A10, UGT1A8, UGT1A9 | intronic |
| 14 | 63271562 | C | T | rs1387754 | 1.35E-05 | 0.377 | 0.464 | 1.43 | 1.21 | -1.7 | 7.22E-01 | 0.471 | 0.462 | 0.97 | 0.8 | -1.16 | 1.23 | 2.03E-03 | KCNH5 | intronic |
| 3 | 195022991 | A | C | rs77749568 | 7.21E-06 | 0.053 | 0.029 | 1.85 | 1.25 | -2.73 | 5.44E-01 | 0.025 | 0.027 | 0.94 | 0.52 | -1.7 | 2.08 | 2.03E-03 | ACAP2 | intronic |
| 13 | 115024553 | A | G | rs3861103 | 6.05E-05 | 0.071 | 0.039 | 1.90 | 1.36 | -2.67 | 8.08E-01 | 0.032 | 0.032 | 0.99 | 0.58 | -1.69 | 1.69 | 2.04E-03 | CDC16 | intronic |
| 14 | 21239628 | G | T | rs7148183 | 6.46E-05 | 0.330 | 0.265 | 1.36 | 1.14 | -1.63 | 9.83E-01 | 0.240 | 0.231 | 1.05 | 0.85 | -1.31 | 1.26 | 2.05E-03 | EDDM3B | downstream |
| 19 | 52240318 | T | C | rs11670567 | 6.23E-05 | 0.357 | 0.282 | 1.41 | 1.19 | -1.68 | 8.52E-01 | 0.312 | 0.312 | 1.00 | 0.82 | -1.22 | 1.25 | 2.05E-03 | HAS1(dist=13073), FPR1(dist=8705) | intergenic |
| 3 | 194975997 | G | A | rs11915519 | 6.49E-01 | 0.030 | 0.028 | 1.07 | 0.66 | -1.73 | 1.38E-05 | 0.047 | 0.023 | 2.11 | 1.34 | -3.32 | 2.36 | 2.05E-03 | XXYLT1 | intronic |
| 10 | 104617933 | A | T | rs144499417 | 2.74E-05 | 0.112 | 0.074 | 1.57 | 1.2 | -2.05 | 8.58E-01 | 0.072 | 0.076 | 0.94 | 0.66 | -1.35 | 1.64 | 2.06E-03 | C10orf32-ASMT | ncRNA_intronic |
| 3 | 25626516 | T | C | rs74318739 | 6.33E-01 | 0.077 | 0.075 | 1.03 | 0.76 | -1.4 | 2.60E-05 | 0.114 | 0.074 | 1.62 | 1.2 | -2.18 | 1.63 | 2.06E-03 | RARB | intronic |
| 6 | 91383115 | A | C | rs2750469 | 1.19E-05 | 0.232 | 0.172 | 0.69 | 0.57 | -0.84 | 6.93E-01 | 0.176 | 0.183 | 1.05 | 0.82 | -1.35 | 0.72 | 2.07E-03 | MAP3K7(dist=86095), MIR4643(dist=848263) | intergenic |
| 9 | 22879812 | C | G | rs75579508 | 6.45E-01 | 0.061 | 0.059 | 1.04 | 0.74 | -1.47 | 3.75E-06 | 0.090 | 0.047 | 2.00 | 1.43 | -2.79 | 1.58 | 2.07E-03 | LINC01239(dist=55600), LOC101929563(dist=620877) | intergenic |
| 1 | 152175398 | G | A | rs12409762 | 4.14E-05 | 0.277 | 0.212 | 1.43 | 1.19 | -1.72 | 9.46E-01 | 0.219 | 0.217 | 1.01 | 0.81 | -1.27 | 1.27 | 2.11E-03 | RPTN(dist=43694), HRNR(dist=9154) | intergenic |
| 1 | 116408574 | G | C | rs10923675 | 2.34E-05 | 0.520 | 0.420 | 1.50 | 1.27 | -1.76 | 8.00E-01 | 0.478 | 0.491 | 0.95 | 0.79 | -1.14 | 1.24 | 2.12E-03 | NHLH2(dist=24827), LOC101928995(dist=53423) | intergenic |
| 14 | 63281652 | G | C | rs1490025 | 1.15E-05 | 0.373 | 0.460 | 1.44 | 1.21 | -1.7 | 6.64E-01 | 0.466 | 0.454 | 0.96 | 0.79 | -1.15 | 1.24 | 2.12E-03 | KCNH5 | intronic |
| 2 | 234603439 | A | C | rs397699435;rs6761246 | 4.83E-01 | 0.273 | 0.283 | 1.05 | 0.87 | -1.26 | 5.59E-05 | 0.192 | 0.276 | 1.61 | 1.27 | -2.03 | 1.25 | 2.12E-03 | UGT1A10, UGT1A6, UGT1A7, UGT1A8, UGT1A9 | intronic |
| 18 | 59576758 | A | G | rs80147226 | 5.74E-01 | 0.121 | 0.119 | 1.01 | 0.79 | -1.3 | 1.86E-05 | 0.172 | 0.109 | 1.70 | 1.32 | -2.18 | 1.39 | 2.13E-03 | RNF152(dist=16454), PIGN(dist=134700) | intergenic |
| 17 | 63881368 | T | C | rs8072692 | 4.23E-01 | 0.072 | 0.068 | 1.07 | 0.78 | -1.46 | 3.61E-05 | 0.099 | 0.057 | 1.82 | 1.32 | -2.5 | 1.55 | 2.13E-03 | CEP112 | intronic |
| 15 | 75051619 | C | A | rs8038819 | 4.78E-01 | 0.052 | 0.048 | 1.08 | 0.75 | -1.57 | 5.22E-05 | 0.076 | 0.041 | 1.93 | 1.34 | -2.77 | 1.74 | 2.13E-03 | CYP1A2(dist=2678), CSK(dist=22806) | intergenic |
| 14 | 99845262 | G | A | rs2748818 | 1.47E-05 | 0.125 | 0.188 | 1.63 | 1.28 | -2.07 | 8.36E-01 | 0.178 | 0.173 | 0.97 | 0.76 | -1.24 | 1.30 | 2.13E-03 | BCL11B(dist=107212), SETD3(dist=18821) | intergenic |
| 1 | 161914752 | G | A | rs56041058 | 1.21E-05 | 0.089 | 0.044 | 2.14 | 1.57 | -2.91 | 9.84E-01 | 0.067 | 0.072 | 0.93 | 0.64 | -1.35 | 1.56 | 2.15E-03 | ATF6 | intergenic |
| 9 | 27745717 | T | C | rs16807 | 3.38E-01 | 0.059 | 0.052 | 1.15 | 0.81 | -1.64 | 1.23E-06 | 0.070 | 0.040 | 1.80 | 1.23 | -2.62 | 1.74 | 2.15E-03 | C9orf72(dist=171853), LINGO2(dist=202367) | intergenic |
| 5 | 100617245 | T | C | rs4415055 | 6.04E-05 | 0.167 | 0.241 | 0.63 | 0.51 | -0.78 | 8.55E-01 | 0.206 | 0.202 | 1.02 | 0.81 | -1.29 | 0.78 | 2.16E-03 | ST8SIA4(dist=378256), SLC04C1(dist=952447) | intergenic |
| 15 | 83389209 | T | C | rs57154772 | 6.48E-01 | 0.336 | 0.337 | 0.99 | 0.84 | -1.18 | 1.74E-05 | 0.405 | 0.309 | 1.53 | 1.26 | -1.85 | 1.23 | 2.18E-03 | LOC338963(dist=6464), ACTG1P17(dist=5441) | intergenic |
| 16 | 77572314 | A | G | rs73629160 | 8.39E-01 | 0.032 | 0.031 | 1.02 | 0.64 | -1.63 | 6.35E-06 | 0.064 | 0.029 | 2.31 | 1.55 | -3.43 | 1.82 | 2.19E-03 | ADAMTS18(dist=103303), NUDT7(dist=184075) | intergenic |
| 4 | 16903492 | G | A | rs13327954 | 3.37E-05 | 0.340 | 0.272 | 1.38 | 1.16 | -1.64 | 7.79E-01 | 0.265 | 0.262 | 1.02 | 0.82 | -1.26 | 1.26 | 2.20E-03 | LDB2(dist=3060), LOC101929123(dist=269888) | intergenic |
| 4 | 147394565 | A | G | rs71640637;rs3914627 | 6.31E-01 | 0.208 | 0.199 | 0.94 | 0.77 | -1.16 | 2.62E-05 | 0.267 | 0.198 | 0.68 | 0.55 | -0.84 | 0.77 | 2.21E-03 | SLC10A7 | intronic |
| 13 | 107921395 | C | G | rs115024531 | 5.08E-01 | 0.034 | 0.030 | 1.13 | 0.72 | -1.79 | 2.43E-06 | 0.054 | 0.028 | 1.99 | 1.3 | -3.05 | 2.05 | 2.21E-03 | FAM155A | intronic |
| 14 | 21240598 | T | C | rs386775339;rs386775340;rs6571401 | 5.30E-05 | 0.314 | 0.251 | 1.37 | 1.14 | -1.63 | 9.30E-01 | 0.227 | 0.220 | 1.04 | 0.83 | -1.3 | 1.28 | 2.22E-03 | EDDM3B(dist=1491), RNASE6(dist=8612) | intergenic |
| 18 | 59574444 | C | T | rs75971451 | 4.83E-01 | 0.120 | 0.117 | 1.03 | 0.8 | -1.32 | 5.12E-05 | 0.168 | 0.107 | 1.68 | 1.3 | -2.16 | 1.39 | 2.23E-03 | RNF152(dist=14140), PIGN(dist=137014) | intergenic |
| 6 | 32655916 | C | G | rs189311301 | 1.34E-06 | 0.040 | 0.021 | 2.00 | 1.28 | -3 | | | | | | | | | | |

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|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 7 | 52986096 | T | C | rs80348505 | 6.41E-05 | 0.050 | 0.029 | 1.79 | 1.2 | -2.66 | 9.08E-01 | 0.029 | 0.028 | 1.04 | 0.6 | -1.82 | 1.95 | 2.29E-03 | COBL(dist=1601581), POM121L12(dist=117253) | intergenic |
| 5 | 7231844 | C | T | rs4374728 | 5.90E-05 | 0.366 | 0.304 | 0.75 | 0.64 | -0.89 | 8.88E-01 | 0.320 | 0.317 | 0.98 | 0.81 | -1.2 | 0.77 | 2.30E-03 | MIR4278(dist=403810), MIR4454(dist=37572) | intergenic |
| 14 | 21240583 | G | C | rs6571399 | 6.14E-05 | 0.332 | 0.267 | 1.37 | 1.15 | -1.63 | 9.57E-01 | 0.241 | 0.233 | 1.05 | 0.84 | -1.3 | 1.26 | 2.30E-03 | EDDM3B(dist=1476), RNASE6(dist=8627) | intergenic |
| 15 | 83364938 | G | T | rs55870914 | 7.70E-01 | 0.243 | 0.255 | 0.94 | 0.78 | -1.14 | 2.54E-07 | 0.342 | 0.237 | 1.67 | 1.37 | -2.04 | 1.26 | 2.31E-03 | AP3B2 | intronic |
| 7 | 22023178 | T | C | rs150676892 | 5.63E-01 | 0.048 | 0.044 | 1.10 | 0.74 | -1.61 | 2.15E-06 | 0.069 | 0.034 | 2.11 | 1.44 | -3.09 | 1.72 | 2.32E-03 | CDC47L(dist=37636), RAPGEF5(dist=134730) | intergenic |
| 16 | 80803990 | T | C | rs13331075 | 7.78E-01 | 0.105 | 0.102 | 1.04 | 0.8 | -1.36 | 1.81E-06 | 0.147 | 0.093 | 1.68 | 1.28 | -2.19 | 1.46 | 2.33E-03 | CDYL2 | intronic |
| 11 | 117463255 | C | G | rs115349805 | 8.74E-01 | 0.051 | 0.052 | 0.98 | 0.68 | -1.42 | 8.08E-07 | 0.083 | 0.041 | 2.13 | 1.5 | -3.02 | 1.62 | 2.33E-03 | DSCAML1 | intronic |
| 7 | 41143668 | T | C | rs73690454 | 3.42E-01 | 0.045 | 0.136 | 1.08 | 0.85 | -1.36 | 4.10E-05 | 0.162 | 0.108 | 1.60 | 1.24 | -2.07 | 1.38 | 2.33E-03 | LINC01449 | ncRNA_intronic |
| 15 | 83393539 | G | A | rs57868794 | 6.83E-01 | 0.325 | 0.328 | 0.99 | 0.83 | -1.17 | 1.37E-05 | 0.397 | 0.301 | 1.52 | 1.26 | -1.85 | 1.24 | 2.33E-03 | LOC338963(dist=10794), ACTG1P17(dist=1111) | intergenic |
| 7 | 21999100 | A | G | rs28622492 | 6.57E-01 | 0.070 | 0.067 | 1.04 | 0.75 | -1.43 | 1.09E-06 | 0.089 | 0.046 | 2.02 | 1.44 | -2.84 | 1.60 | 2.34E-03 | CDC47L(dist=13558), RAPGEF5(dist=158808) | intergenic |
| 14 | 63279958 | G | A | rs12589217 | 1.08E-05 | 0.376 | 0.465 | 1.44 | 1.22 | -1.71 | 6.05E-01 | 0.473 | 0.460 | 0.95 | 0.79 | -1.15 | 1.23 | 2.34E-03 | KCNH5 | intronic |
| 1 | 154473660 | T | C | rs6700296 | 5.19E-05 | 0.271 | 0.192 | 1.57 | 1.3 | -1.89 | 8.50E-01 | 0.230 | 0.236 | 0.97 | 0.78 | -1.21 | 1.28 | 2.34E-03 | SHE | intronic |
| 6 | 52364224 | A | G | rs77281913 | 5.16E-01 | 0.034 | 0.030 | 1.13 | 0.72 | -1.78 | 4.38E-05 | 0.063 | 0.031 | 2.09 | 1.41 | -3.11 | 1.90 | 2.35E-03 | TRAM2(NM_012288:c.*3771T>C) | UTR3 |
| 13 | 97632065 | G | T | rs76798117 | 6.30E-01 | 0.035 | 0.034 | 1.03 | 0.66 | -1.6 | 1.21E-05 | 0.061 | 0.028 | 2.25 | 1.5 | -3.37 | 1.81 | 2.35E-03 | LINC00359 | ncRNA_intronic |
| 12 | 118064719 | G | A | rs6490137 | 6.36E-01 | 0.042 | 0.037 | 0.88 | 0.58 | -1.32 | 1.16E-05 | 0.073 | 0.046 | 0.61 | 0.42 | -0.88 | 0.54 | 2.35E-03 | KSR2 | intronic |
| 15 | 51675965 | T | G | rs146612439 | 4.99E-01 | 0.047 | 0.045 | 1.05 | 0.71 | -1.54 | 5.16E-06 | 0.054 | 0.028 | 2.01 | 1.31 | -3.08 | 1.96 | 2.35E-03 | GLDN | intronic |
| 15 | 89263171 | C | G | rs8036441 | 6.00E-01 | 0.093 | 0.090 | 1.04 | 0.78 | -1.37 | 2.02E-05 | 0.123 | 0.072 | 1.80 | 1.34 | -2.4 | 1.48 | 2.36E-03 | ISG20(dist=63596), ACAN(dist=83503) | intergenic |
| 3 | 195006372 | G | C | rs76861098 | 8.69E-06 | 0.052 | 0.029 | 1.84 | 1.24 | -2.71 | 5.46E-01 | 0.025 | 0.027 | 0.94 | 0.52 | -1.7 | 2.07 | 2.37E-03 | ACAP2 | intronic |
| 10 | 18586658 | G | A | rs78861821 | 5.11E-05 | 0.049 | 0.026 | 1.95 | 1.3 | -2.93 | 9.39E-01 | 0.028 | 0.027 | 1.01 | 0.57 | -1.79 | 1.96 | 2.37E-03 | CACNB2 | intronic |
| 4 | 168172993 | G | A | rs73861956 | 6.42E-01 | 0.060 | 0.057 | 1.07 | 0.76 | -1.51 | 1.41E-05 | 0.092 | 0.056 | 1.70 | 1.22 | -2.37 | 1.60 | 2.38E-03 | SPOCK3(dist=17252), ANXA10(dist=840695) | intergenic |
| 3 | 195007092 | G | C | rs115920436 | 8.85E-06 | 0.052 | 0.029 | 1.83 | 1.24 | -2.71 | 5.47E-01 | 0.025 | 0.027 | 0.94 | 0.52 | -1.7 | 2.07 | 2.38E-03 | ACAP2 | intronic |
| 8 | 140108957 | A | G | rs184652039 | 2.61E-01 | 0.030 | 0.026 | 1.18 | 0.73 | -1.91 | 1.86E-05 | 0.039 | 0.021 | 1.90 | 1.16 | -3.12 | 2.33 | 2.38E-03 | COL22A1(dist=182708), NONE(dist=NONE) | intergenic |
| 9 | 91338628 | C | T | rs6559344 | 6.95E-01 | 0.177 | 0.162 | 0.90 | 0.73 | -1.12 | 2.95E-06 | 0.249 | 0.186 | 0.69 | 0.55 | -0.86 | 0.76 | 2.39E-03 | LOC286238(dist=71553), MIR4289(dist=22123) | intergenic |
| 4 | 79296137 | G | A | rs4975076 | 7.62E-01 | 0.063 | 0.053 | 0.83 | 0.59 | -1.16 | 1.23E-05 | 0.101 | 0.066 | 0.63 | 0.46 | -0.86 | 0.63 | 2.39E-03 | FRAS1 | intronic |
| 15 | 62103512 | T | C | rs73426768 | 1.94E-05 | 0.052 | 0.026 | 2.03 | 1.36 | -3.02 | 4.52E-01 | 0.024 | 0.028 | 0.87 | 0.48 | -1.6 | 1.95 | 2.39E-03 | RORA(dist=582010), VPS13C(dist=41078) | intergenic |
| 10 | 97338549 | C | T | rs6584010 | 2.92E-05 | 0.231 | 0.171 | 1.45 | 1.19 | -1.77 | 8.68E-01 | 0.168 | 0.167 | 1.01 | 0.79 | -1.29 | 1.30 | 2.40E-03 | SORBS1(dist=17372), ALDH18A1(dist=27137) | intergenic |
| 10 | 56302374 | C | T | rs11004362 | 1.85E-05 | 0.050 | 0.097 | 0.49 | 0.34 | -0.7 | 8.93E-01 | 0.104 | 0.103 | 1.02 | 0.75 | -1.38 | 0.70 | 2.40E-03 | PCDH15 | intronic |
| 4 | 147401947 | G | A | rs4835314 | 5.81E-01 | 0.202 | 0.191 | 0.94 | 0.76 | -1.15 | 4.85E-05 | 0.256 | 0.188 | 0.67 | 0.54 | -0.83 | 0.78 | 2.41E-03 | SLC10A7 | intronic |
| 4 | 147406196 | T | C | rs10032453 | 5.85E-01 | 0.201 | 0.191 | 0.94 | 0.77 | -1.15 | 4.98E-05 | 0.256 | 0.187 | 0.67 | 0.54 | -0.83 | 0.78 | 2.42E-03 | SLC10A7 | intronic |
| 6 | 31492295 | C | T | rs3093989 | 6.11E-05 | 0.165 | 0.226 | 1.48 | 1.19 | -1.83 | 8.35E-01 | 0.219 | 0.228 | 1.05 | 0.84 | -1.32 | 1.29 | 2.42E-03 | MICB(dist=13394), MCCD1(dist=4444) | intergenic |
| 1 | 152182168 | C | T | rs1390485 | 6.01E-05 | 0.275 | 0.211 | 1.42 | 1.18 | -1.71 | 9.88E-01 | 0.222 | 0.218 | 1.02 | 0.81 | -1.28 | 1.27 | 2.43E-03 | RPTN(dist=50464), HRNR(dist=2384) | intergenic |
| 3 | 76504427 | G | A | rs9826755 | 5.15E-01 | 0.410 | 0.395 | 1.07 | 0.91 | -1.26 | 5.06E-05 | 0.469 | 0.380 | 1.44 | 1.2 | -1.74 | 1.22 | 2.43E-03 | ZNF717(dist=669693), ROBO2(dist=584867) | intergenic |
| 10 | 97361460 | C | T | rs11188389 | 3.28E-05 | 0.210 | 0.154 | 1.47 | 1.2 | -1.8 | 8.27E-01 | 0.143 | 0.143 | 1.00 | 0.77 | -1.31 | 1.33 | 2.43E-03 | SORBS1(dist=40283), ALDH18A1(dist=4226) | intergenic |
| 17 | 16838265 | G | A | rs114347756 | 1.31E-05 | 0.058 | 0.032 | 1.86 | 1.28 | -2.69 | 8.01E-01 | 0.039 | 0.040 | 0.97 | 0.6 | -1.57 | 1.88 | 2.43E-03 | KRT16P2(dist=102118), TNFRSF13B(dist=4133) | intergenic |
| 10 | 97355065 | A | C | rs7914886 | 2.63E-05 | 0.224 | 0.165 | 1.46 | 1.2 | -1.79 | 8.40E-01 | 0.162 | 0.162 | 1.00 | 0.78 | -1.29 | 1.31 | 2.44E-03 | SORBS1(dist=33888), ALDH18A1(dist=10621) | intergenic |
| 1 | 16296953 | C | G | rs113503883 | 3.09E-05 | 0.086 | 0.048 | 1.85 | 1.36 | -2.53 | 8.78E-01 | 0.068 | 0.067 | 1.02 | 0.7 | -1.47 | 1.55 | 2.45E-03 | ZBTB17 | intronic |
| 13 | 107914307 | T | A | rs144855765 | 6.99E-01 | 0.029 | 0.027 | 1.09 | 0.67 | -1.76 | 8.64E-07 | 0.053 | 0.026 | 2.11 | 1.37 | -3.24 | 2.09 | 2.45E-03 | FAM155A | intronic |
| 13 | 97630173 | G | A | rs2183691 | 4.66E-01 | 0.035 | 0.034 | 1.02 | 0.66 | -1.59 | 1.22E-05 | 0.061 | 0.028 | 2.25 | 1.5 | -3.37 | 1.81 | 2.46E-03 | LINC00359 | ncRNA_intronic |
| 4 | 147409652 | A | G | rs9995307 | 6.69E-01 | 0.206 | 0.198 | 0.95 | 0.78 | -1.17 | 2.97E-05 | 0.268 | 0.196 | 0.67 | 0.54 | -0.82 | 0.78 | 2.46E-03 | SLC10A7 | intronic |
| 10 | 97354795 | C | T | rs7914594 | 2.67E-05 | 0.224 | 0.165 | 1.46 | 1.2 | -1.79 | 8.37E-01 | 0.162 | 0.162 | 1.00 | 0.78 | -1.29 | 1.31 | 2.47E-03 | SORBS1(dist=33618), ALDH18A1(dist=10891) | intergenic |
| 15 | 83361080 | C | A | rs17158366 | 7.60E-01 | 0.244 | 0.256 | 0.94 | 0.78 | -1.13 | 2.79E-07 | 0.342 | 0.237 | 1.67 | 1.37 | -2.04 | 1.25 | 2.47E-03 | CPEB1-AS1 | ncRNA_exonic |
| 15 | 87358509 | T | C | rs75986686 | 9.59E-06 | 0.050 | 0.026 | 2.00 | 1.33 | -2.99 | 7.88E-01 | 0.028 | 0.030 | 0.94 | 0.53 | -1.66 | 2.00 | 2.47E-03 | AGBL1 | intronic |
| 12 | 106590737 | T | G | rs1427788 | 7.78E-01 | 0.416 | 0.427 | 0.95 | 0.81 | -1.13 | 1.48E-05 | 0.334 | 0.431 | 0.66 | 0.54 | -0.81 | 0.82 | 2.47E-03 | NUAK1(dist=56926), CKAP4(dist=40922) | intergenic |
| 20 | 61966695 | A | T | rs149718975;rs9679946 | 6.58E-01 | 0.092 | 0.091 | 1.02 | 0.77 | -1.35 | 1.23E-05 | 0.121 | 0.076 | 1.68 | 1.25 | -2.25 | 1.53 | 2.49E-03 | COL20A1(dist=4410), CHRNA4(dist=7967) | intergenic |
| 12 | 118085430 | T | C | rs4767593;rs386766779 | 5.51E-01 | 0.050 | 0.044 | 0.88 | 0.6 | -1.29 | 2.67E-05 | 0.079 | 0.051 | 0.62 | 0.44 | -0.89 | 0.57 | 2.49E-03 | KSR2 | intronic |
| 1 | 16310352 | T | A | rs848314 | 3.90E-05 | 0.086 | 0.049 | 1.84 | 1.35 | -2.5 | 8.44E-01 | 0.068 | 0.066 | 1.02 | 0.71 | -1.49 | 1.55 | 2.50E-03 | ZBTB17(dist=7725), C1orf64(dist=20379) | intergenic |
| 1 | 16310288 | G | A | rs698894 | 3.91E-05 | 0.086 | 0.049 | 1.84 | 1.35 | -2.5 | 8.43E-01 | 0.068 | 0.066 | 1.02 | 0.71 | -1.49 | 1.55 | 2.50E-03 | ZBTB17(dist=7661), C1orf64(dist=20443) | intergenic |
| 14 | 101898171 | C | T | rs11626687 | 8.35E-01 | 0.220 | 0.209 | 0.94 | 0.77 | -1.14 | 5.26E-07 | 0.297 | 0.228 | 0.70 | 0.57 | -0.86 | 0.77 | 2.50E-03 | LINC00524(dist=23912), DIO3OS(dist=120389) | intergenic |
| 1 | 16309117 | A | C | rs848311 | 3.96E-05 | 0.086 | 0.049 | 1.84 | 1.35 | -2.5 | 8.42E-01 | 0.068 | 0.066 | 1.02 | 0.71 | -1.49 | 1.55 | 2.51E-03 | ZBTB17(dist=6490), C1orf64(dist=21614) | intergenic |
| 14 | 99844494 | T | C | rs2748821 | 7.72E-06 | 0.125 | 0.185 | 1.60 | 1.26 | -2.03 | 8.40E-01 | 0.176 | 0.171 | 0.97 | 0.76 | -1.24 | 1.31 | 2.52E-03 | BCL11B(dist=106444), SETD3(dist=19589) | intergenic |
| 4 | 68495581 | C | A | rs17088544 | 5.14E-05 | 0.078 | 0.045 | 1.80 | 1.31 | -2.49 | 8.64E-01 | 0.047 | 0.045 | 1.04 | 0.67 | -1.62 | 1.59 | 2.52E-03 | UBA6 | intronic |
| 7 | 41223109 | C | T | rs75086505 | 3.90E-01 | 0.152 | 0.139 | 1.11 | 0.88 | -1.39 | 6.42E-05 | 0.186 | 0.131 | 1.52 | 1.19 | -1.94 | 1.35 | 2.53E-03 | LINC01449(dist=50010), INHBA(dist=505492) | intergenic |
| 10 | 97349766 | C | G | rs7915912 | 2.67E-05 | 0.224 | 0.165 | 1.46 | 1.2 | -1.79 | 8.31E-01 | 0.162 | 0.162 | 1.00 | 0.78 | -1.29 | 1.31 | 2.53E-03 | SORBS1(dist=28589), ALDH18A1(dist=15920) | intergenic |
| 3 | 197588283 | C | T | rs116680248 | 2.23E-05 | 0.091 | 0.053 | 1.78 | 1.32 | -2.4 | 6.25E-01 | 0.047 | 0.050 | 0.94 | 0.61 | -1.46 | 1.55 | 2.54E-03 | LRCH3 | intronic |
| 10 | 50450730 | G | A | rs11101057 | 3.67E-05 | 0.154 | 0.091 | 1.82 | 1.43 | -2.3 | 8.72E-01 | 0.156 | 0.160 | 0.96 | 0.75 | -1.25 | 1.39 | 2.54E-03 | C10orf128(dist=54285), C10orf71-AS1(dist=53598) | intergenic |
| 10 | 97333234 | T | C | rs7912555 | 1.95E-05 | 0.234 | 0.173 | 1.46 | 1.2 | -1.78 | 7.80E-01 | 0.167 | 0.168 | 0.99 | 0.77 | -1.28 | 1.30 | 2.55E-03 | SORBS1(dist=12057), ALDH18A1(dist=32452) | intergenic |
| 3 | 133470025 | A | G | rs8177203 | 5.63E-01 | 0.081 | 0.074 | 1.11 | 0.82 | -1.5 | 4.39E-05 | 0.106 | 0.064 | 1.75 | 1.28 | -2.38 | 1.53 | 2.55E-03 | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 10 | 42607697 | A | G | rs386743106;rs10899777 | 4.12E-05 | 0.197 | 0.140 | 0.66 | 0.54 | -0.82 | 8.73E-01 | 0.192 | 0.191 | 0.99 | 0.78 | -1.26 | 0.73 | 2.63E-03 | NONE(dist=NONE), LOC441666(dist=219617) | intergenic |
| 6 | 43679005 | T | G | rs73412793 | 2.37E-06 | 0.093 | 0.056 | 1.72 | 1.28 | -2.31 | 4.90E-01 | 0.041 | 0.045 | 0.91 | 0.57 | -1.45 | 1.67 | 2.65E-03 | MRPS18A(dist=23456), VEGFA(dist=58941) | intergenic |
| 6 | 14767040 | T | A | rs9476656 | 5.02E-05 | 0.404 | 0.461 | 1.26 | 1.07 | -1.49 | 9.25E-01 | 0.513 | 0.492 | 1.09 | 0.9 | -1.31 | 1.24 | 2.66E-03 | LINC01108(dist=481355), JARID2(dist=479166) | intergenic |
| 21 | 36554729 | T | C | rs73376389 | 6.02E-01 | 0.041 | 0.038 | 1.07 | 0.71 | -1.61 | 2.62E-05 | 0.063 | 0.029 | 2.20 | 1.47 | -3.28 | 1.72 | 2.67E-03 | RUNX1(dist=133134), LOC100506403(dist=190076) | intergenic |
| 7 | 143205171 | T | C | rs10237688 | 4.22E-06 | 0.106 | 0.173 | 0.56 | 0.44 | -0.73 | 3.24E-01 | 0.159 | 0.141 | 1.15 | 0.89 | -1.48 | 0.76 | 2.68E-03 | EPHA1-AS1 | ncRNA_intronic |
| 17 | 52139839 | T | C | rs114641090 | 4.70E-05 | 0.056 | 0.029 | 1.96 | 1.33 | -2.87 | 7.87E-01 | 0.030 | 0.030 | 0.98 | 0.57 | -1.7 | 1.77 | 2.68E-03 | KIF2B(dist=237266), TOM1L1(dist=838213) | intergenic |
| 13 | 91416679 | T | C | rs9523067 | 2.67E-05 | 0.210 | 0.152 | 1.49 | 1.21 | -1.82 | 7.40E-01 | 0.170 | 0.178 | 0.95 | 0.74 | -1.21 | 1.34 | 2.69E-03 | LINC01049(dist=229084), LINC00410(dist=126529) | intergenic |
| 14 | 63601933 | T | G | rs75189336 | 5.42E-01 | 0.132 | 0.129 | 1.03 | 0.81 | -1.31 | 5.65E-05 | 0.186 | 0.124 | 1.60 | 1.26 | -2.05 | 1.36 | 2.69E-03 | KCNH5(dist=89977), RHOJ(dist=69169) | intergenic |
| 12 | 11543432 | G | A | rs12824155 | 2.06E-05 | 0.090 | 0.056 | 1.67 | 1.24 | -2.25 | 7.56E-01 | 0.057 | 0.061 | 0.93 | 0.62 | -1.39 | 1.67 | 2.69E-03 | PRB1(dist=34908), PRB2(dist=1042) | intergenic |
| 19 | 5537167 | G | A | rs112226626 | 1.65E-05 | 0.081 | 0.041 | 2.06 | 1.49 | -2.84 | 7.53E-01 | 0.064 | 0.072 | 0.88 | 0.6 | -1.29 | 1.59 | 2.69E-03 | ZNRF4(dist=80300), TINCR(dist=21011) | intergenic |
| 9 | 2292279 | G | C | rs7850693 | 6.28E-05 | 0.415 | 0.491 | 1.36 | 1.15 | -1.6 | 8.56E-01 | 0.467 | 0.462 | 1.02 | 0.85 | -1.23 | 1.23 | 2.71E-03 | SMARCA2(dist=98656), VLDLR-AS1(dist=243376) | intergenic |
| 5 | 143672364 | A | G | rs73312764 | 4.18E-05 | 0.049 | 0.026 | 1.96 | 1.3 | -2.94 | 5.93E-01 | 0.019 | 0.021 | 0.90 | 0.46 | -1.78 | 2.03 | 2.71E-03 | KCTD16 | intronic |
| 15 | 83363887 | C | T | rs57578325 | 7.94E-01 | 0.248 | 0.259 | 0.94 | 0.78 | -1.14 | 4.75E-07 | 0.342 | 0.240 | 1.65 | 1.35 | -2.02 | 1.25 | 2.71E-03 | ACTB2 | intronic |
| 15 | 89247861 | A | G | rs56221687 | 6.38E-01 | 0.095 | 0.092 | 1.03 | 0.78 | -1.36 | 1.95E-05 | 0.125 | 0.073 | 1.81 | 1.36 | -2.42 | 1.46 | 2.74E-03 | ISG20(dist=48286), ACAN(dist=98813) | intergenic |
| 11 | 22599737 | T | C | rs7951481 | 7.12E-01 | 0.034 | 0.034 | 1.01 | 0.65 | -1.59 | 2.56E-05 | 0.060 | 0.026 | 2.37 | 1.57 | -3.56 | 1.78 | 2.74E-03 | LINC01495(dist=86172), FANCF(dist=44342) | intergenic |
| 13 | 97634392 | T | C | rs74110715 | 6.73E-01 | 0.035 | 0.034 | 1.02 | 0.65 | -1.59 | 1.19E-05 | 0.061 | 0.028 | 2.28 | 1.52 | -3.42 | 1.78 | 2.76E-03 | LINC00359 | ncRNA_intronic |
| 9 | 5266028 | G | C | rs116012844 | 2.14E-05 | 0.058 | 0.031 | 1.96 | 1.35 | -2.85 | 7.99E-01 | 0.034 | 0.033 | 1.02 | 0.6 | -1.71 | 1.77 | 2.76E-03 | INSL4(dist=32061), RLN2(dist=33838) | intergenic |
| 9 | 5267367 | G | C | rs144933050 | 3.87E-05 | 0.055 | 0.029 | 1.97 | 1.34 | -2.9 | 7.53E-01 | 0.025 | 0.025 | 1.01 | 0.55 | -1.84 | 1.82 | 2.77E-03 | INSL4(dist=33400), RLN2(dist=32499) | intergenic |
| 17 | 52150455 | T | C | rs139624772 | 4.84E-05 | 0.057 | 0.030 | 1.94 | 1.33 | -2.83 | 7.57E-01 | 0.030 | 0.031 | 0.97 | 0.56 | -1.69 | 1.76 | 2.78E-03 | KIF2B(dist=247882), TOM1L1(dist=827597) | intergenic |
| 11 | 36752926 | C | T | rs386752517;rs115138646 | 5.44E-01 | 0.112 | 0.103 | 1.09 | 0.84 | -1.41 | 5.57E-05 | 0.137 | 0.087 | 1.68 | 1.28 | -2.22 | 1.39 | 2.79E-03 | C11orf74(dist=72085), LOC103312105(dist=1886888) | intergenic |
| 9 | 91339179 | T | C | rs2051138 | 7.15E-01 | 0.177 | 0.163 | 0.91 | 0.73 | -1.12 | 3.63E-06 | 0.247 | 0.185 | 0.69 | 0.56 | -0.86 | 0.76 | 2.80E-03 | LOC286238(dist=72104), MIR4289(dist=21572) | intergenic |
| 12 | 45848730 | C | T | rs12314621 | 9.12E-06 | 0.564 | 0.475 | 1.43 | 1.21 | -1.68 | 5.20E-01 | 0.506 | 0.485 | 0.92 | 0.76 | -1.11 | 1.23 | 2.81E-03 | ANO6(dist=14543), LINC00938(dist=270773) | intergenic |
| 5 | 174499850 | A | G | rs115582052 | 8.73E-01 | 0.028 | 0.029 | 0.97 | 0.59 | -1.59 | 3.17E-05 | 0.067 | 0.037 | 1.88 | 1.28 | -2.75 | 1.96 | 2.81E-03 | FLJ16171(dist=77116), DRD1(dist=367825) | intergenic |
| 17 | 66096918 | G | A | rs113050506 | 6.24E-01 | 0.035 | 0.034 | 1.02 | 0.65 | -1.59 | 2.60E-07 | 0.052 | 0.027 | 1.95 | 1.26 | -3.01 | 2.14 | 2.82E-03 | LINC00674 | upstream |
| 12 | 59931518 | C | T | rs59909298 | 5.11E-05 | 0.137 | 0.090 | 1.61 | 1.26 | -2.06 | 8.62E-01 | 0.101 | 0.105 | 0.96 | 0.71 | -1.31 | 1.39 | 2.83E-03 | LRIG3(dist=617199), SLC16A7(dist=58303) | intergenic |
| 20 | 59716199 | A | G | rs78057625 | 1.82E-05 | 0.051 | 0.021 | 2.54 | 1.68 | -3.84 | 8.72E-01 | 0.040 | 0.045 | 0.88 | 0.55 | -1.41 | 1.85 | 2.84E-03 | LOC100506470(dist=60964), CDH4(dist=111283) | intergenic |
| 2 | 44550290 | A | G | rs2053454 | 7.89E-01 | 0.242 | 0.232 | 0.95 | 0.78 | -1.15 | 1.17E-05 | 0.309 | 0.229 | 0.66 | 0.54 | -0.81 | 0.80 | 2.85E-03 | PREPL | intronic |
| 9 | 21515213 | G | A | rs73422482 | 3.98E-01 | 0.106 | 0.100 | 1.07 | 0.82 | -1.39 | 4.25E-05 | 0.126 | 0.076 | 1.74 | 1.3 | -2.32 | 1.42 | 2.85E-03 | MIR31HG | ncRNA_intronic |
| 3 | 141463460 | G | C | rs77971862 | 3.03E-01 | 0.027 | 0.022 | 1.23 | 0.73 | -2.06 | 4.80E-05 | 0.042 | 0.023 | 1.88 | 1.16 | -3.04 | 2.25 | 2.85E-03 | RNF7 | intronic |
| 2 | 238520545 | G | C | rs60347413 | 4.20E-01 | 0.103 | 0.102 | 1.07 | 0.82 | -1.39 | 6.31E-05 | 0.172 | 0.124 | 1.47 | 1.14 | -1.89 | 1.41 | 2.85E-03 | RAB17(dist=20776), LRRFIP1(dist=15679) | intergenic |
| 2 | 45114291 | G | A | rs6728393 | 3.22E-01 | 0.100 | 0.094 | 1.07 | 0.82 | -1.41 | 2.47E-05 | 0.107 | 0.066 | 1.69 | 1.24 | -2.3 | 1.49 | 2.86E-03 | CAMKMT(dist=114560), SIX3-AS1(dist=53002) | intergenic |
| 12 | 106583426 | G | A | rs1148437 | 8.04E-01 | 0.414 | 0.424 | 0.96 | 0.81 | -1.13 | 1.63E-05 | 0.336 | 0.431 | 0.67 | 0.55 | -0.82 | 0.82 | 2.87E-03 | NUAK1(dist=49615), CKAP4(dist=48233) | intergenic |
| 10 | 50444375 | C | T | rs11101043 | 5.33E-05 | 0.156 | 0.093 | 1.81 | 1.43 | -2.29 | 9.29E-01 | 0.155 | 0.161 | 0.96 | 0.74 | -1.24 | 1.39 | 2.87E-03 | C10orf128(dist=47930), C10orf71-AS1(dist=59953) | intergenic |
| 14 | 63248825 | A | A | rs1884509 | 4.25E-05 | 0.418 | 0.497 | 1.37 | 1.17 | -1.62 | 8.34E-01 | 0.488 | 0.491 | 0.99 | 0.82 | -1.19 | 1.23 | 2.87E-03 | KCNH5 | intronic |
| 16 | 80818913 | C | T | rs76452155 | 7.74E-01 | 0.064 | 0.063 | 1.00 | 0.72 | -1.4 | 8.59E-06 | 0.097 | 0.054 | 1.89 | 1.37 | -2.62 | 1.57 | 2.89E-03 | CDYL2 | intronic |
| 13 | 106424154 | A | G | rs73573190 | 6.32E-01 | 0.077 | 0.076 | 1.02 | 0.75 | -1.38 | 1.80E-05 | 0.116 | 0.072 | 1.70 | 1.26 | -2.29 | 1.57 | 2.89E-03 | LINC00343(dist=10009), LINC00460(dist=604757) | intergenic |
| 10 | 97336379 | C | G | rs7085365 | 2.93E-05 | 0.231 | 0.171 | 1.45 | 1.19 | -1.77 | 8.06E-01 | 0.168 | 0.168 | 1.00 | 0.78 | -1.28 | 1.30 | 2.89E-03 | SORBS1(dist=15202), ALDH18A1(dist=29307) | intergenic |
| 12 | 78247103 | T | T | rs79268080 | 5.71E-01 | 0.027 | 0.022 | 1.24 | 0.74 | -2.06 | 2.22E-05 | 0.050 | 0.030 | 1.71 | 1.1 | -2.66 | 2.17 | 2.91E-03 | NAV3 | intronic |
| 12 | 59946808 | G | C | rs77388321 | 6.41E-05 | 0.141 | 0.093 | 1.59 | 1.25 | -2.03 | 9.25E-01 | 0.104 | 0.106 | 0.98 | 0.72 | -1.33 | 1.38 | 2.91E-03 | LRIG3(dist=632489), SLC16A7(dist=43013) | intergenic |
| 4 | 147399505 | G | A | rs3849037 | 6.28E-01 | 0.209 | 0.200 | 0.95 | 0.77 | -1.16 | 5.07E-05 | 0.272 | 0.202 | 0.68 | 0.55 | -0.84 | 0.78 | 2.91E-03 | SLC10A7 | intergenic |
| 16 | 10995466 | G | C | rs116778555 | 4.08E-01 | 0.038 | 0.036 | 1.05 | 0.69 | -1.61 | 4.82E-05 | 0.053 | 0.031 | 1.76 | 1.15 | -2.69 | 2.10 | 2.92E-03 | CIITA | intronic |
| 11 | 117458870 | G | A | rs76264515 | 9.50E-01 | 0.052 | 0.054 | 0.97 | 0.67 | -1.39 | 7.46E-07 | 0.084 | 0.041 | 2.14 | 1.51 | -3.02 | 1.60 | 2.94E-03 | DSCAML1 | intronic |
| 11 | 117456619 | G | A | rs116232693 | 9.42E-01 | 0.053 | 0.055 | 0.97 | 0.67 | -1.39 | 9.02E-07 | 0.085 | 0.042 | 2.13 | 1.51 | -3.01 | 1.59 | 2.94E-03 | DSCAML1 | intronic |
| 13 | 93130107 | T | C | rs114684309 | 1.25E-05 | 0.050 | 0.028 | 1.81 | 1.21 | -2.69 | 7.81E-01 | 0.030 | 0.030 | 1.00 | 0.57 | -1.73 | 2.07 | 2.95E-03 | GPC5 | intronic |
| 9 | 22849512 | G | A | rs116737465 | 3.15E-01 | 0.068 | 0.061 | 1.12 | 0.81 | -1.55 | 4.78E-05 | 0.082 | 0.049 | 1.73 | 1.22 | -2.44 | 1.60 | 2.96E-03 | LINC01239(dist=25300), LOC101929563(dist=651177) | intergenic |
| 11 | 117459745 | G | A | rs77974426 | 9.53E-01 | 0.052 | 0.054 | 0.97 | 0.67 | -1.39 | 7.21E-07 | 0.084 | 0.041 | 2.14 | 1.51 | -3.03 | 1.60 | 2.97E-03 | DSCAML1 | intronic |
| 10 | 123253088 | C | T | rs12762633 | 3.07E-01 | 0.055 | 0.047 | 1.17 | 0.81 | -1.68 | 2.08E-05 | 0.068 | 0.042 | 1.66 | 1.14 | -2.43 | 1.77 | 2.98E-03 | GFPR2 | intronic |
| 15 | 83281966 | C | T | rs73439163 | 6.57E-01 | 0.232 | 0.247 | 0.92 | 0.76 | -1.12 | 1.77E-07 | 0.327 | 0.221 | 1.71 | 1.4 | -2.09 | 1.25 | 2.98E-03 | CPEB1 | intronic |
| 8 | 6700414 | G | A | rs79730981 | 6.43E-05 | 0.051 | 0.025 | 2.09 | 1.4 | -3.13 | 7.47E-01 | 0.035 | 0.036 | 0.96 | 0.57 | -1.59 | 1.82 | 2.99E-03 | GS1-24F.2 | downstream |
| 3 | 194981434 | G | A | rs116599681 | 7.21E-01 | 0.034 | 0.033 | 1.06 | 0.67 | -1.66 | 7.91E-06 | 0.049 | 0.024 | 2.10 | 1.34 | -3.28 | 2.20 | 3.00E-03 | XXYLT1 | intronic |
| 6 | 32498895 | C | A | rs189371992 | 5.69E-05 | 0.211 | 0.268 | 0.73 | 0.6 | -0.89 | 9.46E-01 | 0.221 | 0.227 | 0.96 | 0.77 | -1.21 | 0.76 | 3.00E-03 | HLA-DRB5 | upstream |
| 9 | 31628249 | G | A | rs75485692 | 6.79E-01 | 0.027 | 0.021 | 1.28 | 0.77 | -2.14 | 7.96E-06 | 0.054 | 0.032 | 1.75 | 1.14 | -2.66 | 2.11 | 3.00E-03 | LINC01242(dist=1219797), ACO1(dist=756352) | intergenic |
| 1 | 46365501 | G | A | rs11211220 | 8.41E-01 | 0.165 | 0.160 | 0.96 | 0.77 | -1.2 | 1.47E-05 | 0.237 | 0.173 | 0.67 | 0.54 | -0.84 | 0.75 | 3.01E-03 | MAST2 | intronic |
| 17 | 52158024 | A | G | rs114836198 | 6.22E-05 | 0.057 | 0.031 | 1.92 | 1.32 | -2.8 | 7.58E-01 | 0.030 | 0.031 | 0.97 | 0.56 | -1.69 | 1.74 | 3.02E-03 | KIF2B(dist=255451), TOM1L1(dist=820028) | intergenic |
| 7 | 8755630 | T | C | rs1017004 | 1.46E-05 | 0.230 | 0.151 | 0.60 | 0.49 | -0.73 | 3.62E-01 | 0.193 | 0.216 | 1.15 | 0.91 | -1.46 | 0.76 | 3.02E-03 | NXPH1 | intronic |
| 2 | 44548613 | T | C | rs2241871 | 8.32E-01 | 0.242 | 0.234 | 0.95 | 0.79 | -1.15 | 1.09E-05 | 0.313 | 0.231 | 0.66 | 0.54 | -0.81 | 0.80 | 3.04E-03 | PREPL | intronic |
| 5 | 144349776 | C | A | rs4913017 | 9.35E-01 | 0.041 | 0.033 | 1.26 | 0.83 | -1.91 | 9.21E- | | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 1 | 154451420 | A | G | rs11265622 | 5.33E-05 | 0.276 | 0.195 | 1.57 | 1.3 | -1.89 | 9.65E-01 | 0.230 | 0.239 | 0.96 | 0.77 | -1.19 | 1.27 | 3.16E-03 | SHE | downstream |
| 18 | 35066814 | A | G | rs9948846 | 2.17E-05 | 0.251 | 0.323 | 1.43 | 1.18 | -1.72 | 7.96E-01 | 0.319 | 0.319 | 1.00 | 0.82 | -1.22 | 1.23 | 3.17E-03 | CELF4 | intronic |
| 12 | 106583931 | A | C | rs1148438 | 8.12E-01 | 0.413 | 0.423 | 0.96 | 0.81 | -1.13 | 1.90E-05 | 0.336 | 0.430 | 0.67 | 0.55 | -0.82 | 0.82 | 3.18E-03 | NUAK1(dist=50120), CKAP4(dist=47728) | intergenic |
| 7 | 21999162 | G | A | rs28515511 | 6.94E-01 | 0.070 | 0.069 | 1.03 | 0.75 | -1.42 | 1.69E-06 | 0.089 | 0.047 | 2.00 | 1.42 | -2.8 | 1.57 | 3.18E-03 | CDCA7L(dist=13620), RAPGEF5(dist=158746) | intergenic |
| 12 | 106589282 | C | T | rs2556506 | 8.75E-01 | 0.417 | 0.425 | 0.97 | 0.82 | -1.14 | 1.25E-05 | 0.332 | 0.430 | 0.66 | 0.54 | -0.8 | 0.83 | 3.18E-03 | NUAK1(dist=55471), CKAP4(dist=42377) | intergenic |
| 3 | 10239109 | T | A | rs78511690 | 2.22E-05 | 0.090 | 0.055 | 1.71 | 1.27 | -2.31 | 4.71E-01 | 0.056 | 0.059 | 0.93 | 0.62 | -1.4 | 1.56 | 3.25E-03 | IRAK2 | intronic |
| 9 | 21513765 | C | T | rs73422479 | 4.15E-01 | 0.104 | 0.099 | 1.06 | 0.81 | -1.39 | 4.94E-05 | 0.125 | 0.076 | 1.74 | 1.3 | -2.32 | 1.41 | 3.27E-03 | MIR31HG | ncRNA_intronic |
| 17 | 52151625 | C | T | rs111293752 | 5.56E-05 | 0.057 | 0.030 | 1.93 | 1.32 | -2.81 | 7.28E-01 | 0.030 | 0.031 | 0.96 | 0.56 | -1.67 | 1.73 | 3.28E-03 | KIF2B(dist=249052), TOM1L1(dist=826427) | intergenic |
| 8 | 28599507 | C | T | rs11784837 | 5.35E-01 | 0.040 | 0.034 | 1.22 | 0.8 | -1.85 | 1.55E-05 | 0.067 | 0.041 | 1.69 | 1.15 | -2.48 | 1.86 | 3.30E-03 | EXTL3 | intronic |
| 15 | 83323255 | C | G | rs1864700 | 7.85E-01 | 0.254 | 0.266 | 0.94 | 0.78 | -1.13 | 8.07E-07 | 0.353 | 0.250 | 1.64 | 1.35 | -2 | 1.24 | 3.31E-03 | CPEB1-AS1 | ncRNA_intronic |
| 17 | 52144568 | G | A | rs116682099 | 6.38E-05 | 0.057 | 0.031 | 1.91 | 1.31 | -2.79 | 7.53E-01 | 0.030 | 0.031 | 0.97 | 0.56 | -1.68 | 1.74 | 3.31E-03 | KIF2B(dist=241995), TOM1L1(dist=833484) | intergenic |
| 5 | 100705517 | A | C | rs17135177 | 4.16E-05 | 0.359 | 0.448 | 0.69 | 0.58 | -0.82 | 9.16E-01 | 0.429 | 0.416 | 1.06 | 0.88 | -1.28 | 0.82 | 3.31E-03 | ST8SIA4(dist=466528), SLCO4C1(dist=864175) | intergenic |
| 14 | 63265898 | G | T | rs2065632 | 1.62E-05 | 0.382 | 0.467 | 1.42 | 1.2 | -1.67 | 6.32E-01 | 0.484 | 0.473 | 0.96 | 0.79 | -1.15 | 1.22 | 3.32E-03 | KCNH5 | intronic |
| 9 | 3852115 | C | A | rs7868369 | 3.40E-05 | 0.392 | 0.492 | 1.50 | 1.27 | -1.77 | 5.91E-01 | 0.457 | 0.433 | 0.91 | 0.75 | -1.1 | 1.22 | 3.34E-03 | GLIS3 | intronic |
| 11 | 9895198 | A | G | rs6483781 | 5.97E-01 | 0.062 | 0.060 | 1.04 | 0.74 | -1.46 | 1.61E-05 | 0.074 | 0.036 | 2.14 | 1.48 | -3.09 | 1.59 | 3.34E-03 | LOC101928008 | ncRNA_intronic |
| 16 | 80819822 | G | A | rs116052623 | 6.55E-01 | 0.068 | 0.065 | 1.04 | 0.75 | -1.44 | 9.35E-06 | 0.096 | 0.053 | 1.89 | 1.37 | -2.62 | 1.53 | 3.34E-03 | CDYL2 | intronic |
| 16 | 80819936 | G | A | rs8051557 | 6.54E-01 | 0.068 | 0.065 | 1.04 | 0.75 | -1.44 | 9.58E-06 | 0.096 | 0.053 | 1.89 | 1.36 | -2.62 | 1.53 | 3.35E-03 | CDYL2 | intronic |
| 7 | 11916005 | G | A | rs35061200 | 5.65E-01 | 0.052 | 0.046 | 1.13 | 0.78 | -1.64 | 6.30E-05 | 0.094 | 0.056 | 1.75 | 1.26 | -2.42 | 1.57 | 3.36E-03 | THSD7A(dist=44181), TMEM106B(dist=334843) | intergenic |
| 18 | 29647986 | A | G | rs13381673 | 6.19E-01 | 0.133 | 0.131 | 1.03 | 0.81 | -1.3 | 4.58E-05 | 0.155 | 0.098 | 1.69 | 1.3 | -2.19 | 1.39 | 3.36E-03 | RNF125 | intronic |
| 16 | 80819961 | A | G | rs8053366 | 6.55E-01 | 0.068 | 0.065 | 1.04 | 0.75 | -1.44 | 9.62E-06 | 0.096 | 0.053 | 1.89 | 1.36 | -2.62 | 1.53 | 3.37E-03 | CDYL2 | intronic |
| 18 | 21892785 | T | C | rs78694281 | 4.52E-01 | 0.063 | 0.059 | 1.07 | 0.77 | -1.5 | 1.66E-06 | 0.074 | 0.039 | 1.94 | 1.34 | -2.8 | 1.63 | 3.37E-03 | OSBPL1A | intronic |
| 8 | 128931826 | C | T | rs77378682 | 6.47E-05 | 0.054 | 0.030 | 1.89 | 1.29 | -2.77 | 8.65E-01 | 0.038 | 0.038 | 0.99 | 0.61 | -1.61 | 1.77 | 3.39E-03 | PVT1 | ncRNA_intronic |
| 2 | 44570776 | C | T | rs17580226 | 7.04E-01 | 0.273 | 0.260 | 0.94 | 0.78 | -1.13 | 2.40E-05 | 0.322 | 0.243 | 0.68 | 0.55 | -0.83 | 0.81 | 3.39E-03 | PREPL | intronic |
| 20 | 3695819 | G | T | rs8115817 | 1.05E-05 | 0.124 | 0.080 | 1.63 | 1.26 | -2.11 | 4.68E-01 | 0.088 | 0.093 | 0.94 | 0.68 | -1.31 | 1.44 | 3.39E-03 | BPI | intronic |
| 8 | 138277051 | T | A | rs113447741 | 5.50E-01 | 0.043 | 0.040 | 1.06 | 0.71 | -1.6 | 5.03E-05 | 0.068 | 0.033 | 2.17 | 1.48 | -3.19 | 1.65 | 3.40E-03 | KHDRBS3(dist=1617199), LOC101927915(dist=141293) | intergenic |
| 2 | 81843362 | A | G | rs145983724;rs11688342 | 3.31E-05 | 0.394 | 0.489 | 0.68 | 0.58 | -0.8 | 7.13E-01 | 0.447 | 0.430 | 1.07 | 0.89 | -1.29 | 0.82 | 3.42E-03 | LOC100507201(dist=149292), LOC1720(dist=1240565) | intergenic |
| 5 | 173759726 | C | T | rs2936979 | 3.37E-01 | 0.046 | 0.039 | 1.18 | 0.79 | -1.75 | 5.55E-06 | 0.054 | 0.029 | 1.93 | 1.26 | -2.95 | 1.81 | 3.42E-03 | HMP19(dist=223544), LINC01411(dist=3631) | intergenic |
| 21 | 40699551 | G | A | rs114502229 | 8.77E-01 | 0.030 | 0.030 | 1.00 | 0.62 | -1.6 | 4.05E-05 | 0.062 | 0.029 | 2.18 | 1.46 | -3.26 | 1.86 | 3.43E-03 | BRWD1-AS1(dist=4407), HMG11(dist=14690) | intergenic |
| 6 | 43678364 | C | T | rs73412789 | 2.28E-06 | 0.093 | 0.056 | 1.72 | 1.28 | -2.31 | 4.33E-01 | 0.043 | 0.048 | 0.89 | 0.57 | -1.41 | 1.64 | 3.44E-03 | MRS18A(dist=22815), VEGFA(dist=59582) | intergenic |
| 13 | 24380803 | C | T | rs9580758 | 6.10E-05 | 0.266 | 0.210 | 1.37 | 1.13 | -1.65 | 7.39E-01 | 0.207 | 0.205 | 1.01 | 0.81 | -1.27 | 1.29 | 3.45E-03 | MIPEP | intronic |
| 16 | 80819244 | G | C | rs7186990 | 6.47E-01 | 0.068 | 0.065 | 1.04 | 0.75 | -1.44 | 1.16E-05 | 0.098 | 0.056 | 1.83 | 1.33 | -2.52 | 1.53 | 3.46E-03 | CDYL2 | intronic |
| 1 | 228361848 | G | A | rs138850962 | 8.54E-01 | 0.075 | 0.076 | 0.99 | 0.73 | -1.35 | 1.23E-05 | 0.123 | 0.075 | 1.72 | 1.29 | -2.3 | 1.50 | 3.46E-03 | IBAS7 | intronic |
| 1 | 60055825 | C | T | rs145376407 | 5.71E-01 | 0.054 | 0.051 | 1.07 | 0.74 | -1.54 | 2.51E-05 | 0.075 | 0.040 | 1.98 | 1.38 | -2.85 | 1.61 | 3.46E-03 | FGGY | intronic |
| 3 | 10227512 | G | A | rs78839573 | 3.79E-05 | 0.091 | 0.057 | 1.65 | 1.23 | -2.22 | 5.92E-01 | 0.061 | 0.063 | 0.96 | 0.65 | -1.42 | 1.55 | 3.47E-03 | IRAK2 | intronic |
| 4 | 2248073 | C | T | rs61789364 | 1.61E-05 | 0.061 | 0.030 | 2.11 | 1.45 | -3.05 | 6.21E-01 | 0.034 | 0.038 | 0.89 | 0.53 | -1.49 | 1.73 | 3.48E-03 | POLL(dist=4182), MXD4(dist=1087) | intergenic |
| 13 | 23316084 | G | A | rs115937239 | 4.21E-01 | 0.062 | 0.057 | 1.08 | 0.77 | -1.53 | 1.11E-05 | 0.071 | 0.037 | 1.96 | 1.35 | -2.85 | 1.64 | 3.49E-03 | LINC00540(dist=465425), BASP1P1(dist=155085) | intergenic |
| 13 | 23315944 | C | G | rs74463417 | 4.20E-01 | 0.062 | 0.057 | 1.09 | 0.77 | -1.53 | 1.13E-05 | 0.071 | 0.037 | 1.96 | 1.35 | -2.85 | 1.64 | 3.50E-03 | LINC00540(dist=465285), BASP1P1(dist=155225) | intergenic |
| 10 | 97329035 | A | C | rs122575123 | 2.52E-05 | 0.228 | 0.169 | 1.46 | 1.19 | -1.78 | 7.30E-01 | 0.166 | 0.168 | 0.99 | 0.77 | -1.27 | 1.29 | 3.51E-03 | SORBS1(dist=7858), ALDH18A1(dist=36651) | intergenic |
| 11 | 17416125 | G | A | rs17846770 | 5.98E-01 | 0.034 | 0.036 | 0.94 | 0.6 | -1.47 | 8.46E-09 | 0.075 | 0.039 | 1.98 | 1.38 | -2.86 | 1.77 | 3.53E-03 | ABCC8 | intronic |
| 2 | 138330890 | G | A | rs76644347 | 8.58E-01 | 0.040 | 0.040 | 0.99 | 0.65 | -1.5 | 2.60E-08 | 0.073 | 0.037 | 2.08 | 1.44 | -3.02 | 1.76 | 3.53E-03 | THSD7B | intronic |
| 9 | 5261230 | G | T | rs75828030 | 4.52E-05 | 0.056 | 0.029 | 1.98 | 1.35 | -2.9 | 7.04E-01 | 0.025 | 0.026 | 0.98 | 0.54 | -1.78 | 1.77 | 3.53E-03 | INSL4(dist=27263), RLN2(dist=38636) | intergenic |
| 16 | 66679630 | C | T | rs11863938 | 4.58E-05 | 0.155 | 0.233 | 0.61 | 0.49 | -0.75 | 7.76E-01 | 0.216 | 0.202 | 1.08 | 0.86 | -1.36 | 0.79 | 3.54E-03 | CMTM4 | intronic |
| 12 | 106587950 | G | C | rs1965 | 8.50E-01 | 0.416 | 0.425 | 0.96 | 0.82 | -1.14 | 1.85E-05 | 0.338 | 0.434 | 0.67 | 0.55 | -0.81 | 0.83 | 3.54E-03 | NUAK1(dist=54139), CKAP4(dist=43709) | intergenic |
| 4 | 2792636 | G | A | rs17608241 | 9.93E-01 | 0.040 | 0.039 | 1.03 | 0.68 | -1.57 | 6.32E-08 | 0.077 | 0.045 | 1.78 | 1.24 | -2.55 | 1.83 | 3.54E-03 | TNIP2(dist=34533), SH3BP2(dist=2114) | intergenic |
| 17 | 52137994 | T | C | rs115750033 | 6.14E-05 | 0.057 | 0.031 | 1.91 | 1.31 | -2.78 | 7.26E-01 | 0.030 | 0.031 | 0.96 | 0.56 | -1.66 | 1.73 | 3.56E-03 | KIF2B(dist=235421), TOM1L1(dist=840058) | intergenic |
| 10 | 97354958 | T | C | rs7900149 | 3.60E-05 | 0.247 | 0.186 | 1.43 | 1.18 | -1.74 | 7.26E-01 | 0.176 | 0.178 | 0.99 | 0.77 | -1.26 | 1.28 | 3.58E-03 | SORBS1(dist=33781), ALDH18A1(dist=10728) | intergenic |
| 15 | 83319622 | G | C | rs7495972 | 7.62E-01 | 0.254 | 0.266 | 0.94 | 0.78 | -1.13 | 8.20E-07 | 0.353 | 0.250 | 1.64 | 1.35 | -2 | 1.24 | 3.58E-03 | CPEB1-AS1 | ncRNA_intronic |
| 19 | 43570913 | T | G | rs139918672 | 6.29E-05 | 0.054 | 0.087 | 0.61 | 0.43 | -0.86 | 9.34E-01 | 0.075 | 0.076 | 0.99 | 0.69 | -1.41 | 0.67 | 3.58E-03 | PSG2 | intronic |
| 10 | 97352768 | C | T | rs7081293 | 3.59E-05 | 0.246 | 0.186 | 1.43 | 1.18 | -1.74 | 7.31E-01 | 0.177 | 0.179 | 0.99 | 0.77 | -1.26 | 1.28 | 3.58E-03 | SORBS1(dist=31591), ALDH18A1(dist=12918) | intergenic |
| 8 | 138282405 | T | C | rs112379634 | 5.99E-01 | 0.043 | 0.041 | 1.05 | 0.7 | -1.57 | 3.14E-05 | 0.069 | 0.033 | 2.18 | 1.49 | -3.19 | 1.65 | 3.59E-03 | KHDRBS3(dist=1622553), LOC101927915(dist=135939) | intergenic |
| 10 | 56653432 | C | T | rs113808997 | 4.06E-06 | 0.098 | 0.053 | 1.94 | 1.44 | -2.59 | 3.71E-01 | 0.053 | 0.061 | 0.87 | 0.57 | -1.31 | 1.51 | 3.62E-03 | PCDH15(dist=92381), MTRNR2L5(dist=705318) | intergenic |
| 17 | 65056629 | C | T | rs114853368 | 7.39E-01 | 0.036 | 0.035 | 1.01 | 0.65 | -1.57 | 3.94E-06 | 0.056 | 0.028 | 1.98 | 1.36 | -3.17 | 1.97 | 3.64E-03 | CACNG1(dist=3718), HELZ(dist=9925) | intergenic |
| 9 | 5259504 | G | A | rs149677677 | 5.25E-05 | 0.056 | 0.029 | 1.97 | 1.34 | -2.88 | 7.21E-01 | 0.026 | 0.026 | 0.99 | 0.55 | -1.77 | 1.76 | 3.67E-03 | INSL4(dist=25537), RLN2(dist=40362) | intergenic |
| 2 | 44544955 | G | A | rs7586188 | 6.57E-01 | 0.413 | 0.406 | 0.97 | 0.82 | -1.15 | 5.84E-05 | 0.474 | 0.381 | 0.68 | 0.57 | -0.82 | 0.83 | 3.67E-03 | PREPL | UTR3 |
| 1 | 157577086 | A | G | rs12125930 | 7.24E-01 | 0.265 | 0.254 | 1.06 | 0.88 | -1.27 | 5.43E-05 | 0.332 | 0.255 | 1.45 | 1.19 | -1.77 | 1.24 | 3.68E-03 | FCRL4(dist=9216), FCRL3(dist=70892) | intergenic |
| 1 | 60078880 | A | C | rs183461915 | 6.49E-01 | 0.069 | 0.067 | 1.04 | 0.75 | -1.44 | 6.20E-05 | 0.106 | 0.060 | 1.85 | 1.36 | -2.53 | 1.48 | 3.69E-03 | FGGY | intronic |
| 1 | 60056617 | T | C | rs150216559 | 5.77E-01 | 0.054 | 0.051 | 1.07 | 0.74 | -1.53 | 2.77E-05 | 0.075 | 0.040 | 1.97 | 1.37 | -2.84 | 1.60 | 3.72E-03 | FGGY | intronic |
| 1 | 60057487 | C | T | rs187559773 | 6.57E-01 | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|----|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 14 | 57323701 | T | C | rs709962 | 2.74E-07 | 0.049 | 0.022 | 2.35 | 1.55 | -3.55 | 4.62E-01 | 0.026 | 0.035 | 0.74 | 0.41 | -1.32 | 2.10 | 3.81E-03 | OTX2-AS1 | ncRNA_intronic |
| 15 | 83282130 | G | T | rs115330390 | 3.40E-01 | 0.036 | 0.043 | 0.82 | 0.53 | -1.27 | 2.80E-09 | 0.085 | 0.039 | 2.27 | 1.6 | -3.21 | 1.72 | 3.82E-03 | CPEB1 | intronic |
| 1 | 154474875 | G | A | rs12753666 | 5.25E-05 | 0.281 | 0.203 | 1.53 | 1.27 | -1.85 | 9.75E-01 | 0.237 | 0.246 | 0.95 | 0.76 | -1.18 | 1.72 | 3.82E-03 | DDR10(NM_001098475:c.-4505G>A, NM_182499:c.-4505G>A) | UTR5 |
| 3 | 10227286 | C | T | rs193114964 | 3.33E-05 | 0.093 | 0.058 | 1.65 | 1.23 | -2.21 | 5.47E-01 | 0.062 | 0.065 | 0.95 | 0.65 | -1.41 | 1.54 | 3.83E-03 | IRAK2 | intronic |
| 15 | 83250767 | G | A | rs8032281 | 6.40E-01 | 0.235 | 0.250 | 0.92 | 0.76 | -1.12 | 2.87E-07 | 0.330 | 0.227 | 1.68 | 1.38 | -2.06 | 1.25 | 3.83E-03 | CPEB1 | intronic |
| 6 | 70907904 | G | A | rs79402185 | 7.43E-01 | 0.068 | 0.067 | 1.03 | 0.74 | -1.42 | 1.38E-05 | 0.101 | 0.052 | 2.05 | 1.49 | -2.82 | 1.50 | 3.86E-03 | COL19A1 | intronic |
| 6 | 116572117 | G | A | rs117189 | 6.74E-01 | 0.300 | 0.297 | 1.01 | 0.85 | -1.21 | 3.04E-05 | 0.368 | 0.276 | 1.53 | 1.26 | -1.86 | 1.24 | 3.87E-03 | TSPYL4(NM_021648:c.*1810C>T) | UTR3 |
| 20 | 61960185 | C | T | rs183941166 | 7.33E-01 | 0.045 | 0.045 | 0.99 | 0.67 | -1.47 | 2.35E-05 | 0.071 | 0.041 | 1.80 | 1.24 | -2.61 | 1.83 | 3.87E-03 | COL20A1 | intronic |
| 18 | 62324596 | G | A | rs143363976 | 6.10E-01 | 0.028 | 0.031 | 0.90 | 0.55 | -1.47 | 7.96E-10 | 0.057 | 0.024 | 2.43 | 1.6 | -3.7 | 2.00 | 3.87E-03 | LOC284294(dist=233769), CDH7(dist=1092892) | intergenic |
| 8 | 138272839 | A | C | rs73394925 | 5.60E-01 | 0.044 | 0.042 | 1.06 | 0.71 | -1.58 | 3.79E-05 | 0.066 | 0.032 | 2.16 | 1.46 | -3.18 | 1.66 | 3.91E-03 | KHDRBS3(dist=1612987), LOC101927915(dist=145505) | intergenic |
| 18 | 6740331 | C | A | rs73380731 | 4.55E-01 | 0.134 | 0.132 | 1.02 | 0.8 | -1.29 | 3.34E-05 | 0.170 | 0.115 | 1.57 | 1.22 | -2.02 | 1.37 | 3.91E-03 | LINC01387(dist=149679), ARHGAP28(dist=94101) | intergenic |
| 5 | 2923812 | T | A | rs2934515 | 5.77E-01 | 0.168 | 0.166 | 0.99 | 0.79 | -1.23 | 2.87E-05 | 0.194 | 0.134 | 0.64 | 0.51 | -0.82 | 0.75 | 3.92E-03 | C5orf38(dist=168301), LINC01377(dist=254137) | intergenic |
| 4 | 163936999 | T | G | rs11940218 | 4.74E-01 | 0.068 | 0.064 | 1.07 | 0.78 | -1.49 | 5.87E-05 | 0.079 | 0.045 | 1.82 | 1.28 | -2.6 | 1.61 | 3.95E-03 | FSTL5(dist=851813), MIR4454(dist=77727) | intergenic |
| 7 | 152945284 | A | G | rs6948646 | 6.88E-01 | 0.225 | 0.205 | 1.13 | 0.93 | -1.37 | 4.55E-05 | 0.330 | 0.270 | 1.33 | 1.09 | -1.62 | 1.26 | 3.95E-03 | ACTR3B(dist=392820), LINC01287(dist=151720) | intergenic |
| 9 | 115100128 | C | T | rs112128505 | 2.32E-05 | 0.042 | 0.023 | 1.82 | 1.18 | -2.81 | 9.57E-01 | 0.028 | 0.026 | 1.08 | 0.61 | -1.91 | 2.03 | 3.97E-03 | MIR3134 | ncRNA_intronic |
| 4 | 89166761 | C | A | rs7656569 | 8.30E-01 | 0.063 | 0.059 | 1.07 | 0.76 | -1.5 | 3.19E-07 | 0.104 | 0.065 | 1.66 | 1.21 | -2.26 | 1.58 | 3.98E-03 | ABCG2(dist=14287), PPM1K(dist=12000) | intergenic |
| 18 | 6748747 | C | G | rs73380746 | 4.60E-01 | 0.133 | 0.131 | 1.02 | 0.8 | -1.29 | 3.34E-05 | 0.169 | 0.115 | 1.57 | 1.22 | -2.01 | 1.37 | 3.98E-03 | LINC01387(dist=158095), ARHGAP28(dist=85685) | intergenic |
| 7 | 69904878 | T | C | rs113668033 | 9.27E-01 | 0.027 | 0.029 | 0.90 | 0.55 | -1.49 | 1.60E-05 | 0.079 | 0.041 | 2.00 | 1.4 | -2.85 | 1.77 | 3.98E-03 | AUTS2 | intronic |
| 1 | 157578884 | A | G | rs11264775 | 7.22E-01 | 0.265 | 0.254 | 1.06 | 0.88 | -1.27 | 6.32E-05 | 0.331 | 0.255 | 1.45 | 1.18 | -1.76 | 1.24 | 3.99E-03 | FCRL4(dist=11014), FCRL3(dist=69094) | intergenic |
| 3 | 53425233 | T | A | rs72954850 | 5.69E-01 | 0.049 | 0.044 | 1.12 | 0.76 | -1.64 | 4.36E-05 | 0.067 | 0.033 | 2.11 | 1.44 | -3.11 | 1.62 | 4.01E-03 | DCP1A(dist=43579), CACNA1D(dist=103843) | intergenic |
| 9 | 5249982 | T | A | rs141354008 | 5.59E-05 | 0.056 | 0.029 | 1.96 | 1.34 | -2.87 | 7.12E-01 | 0.026 | 0.026 | 0.98 | 0.55 | -1.77 | 1.75 | 4.03E-03 | LINC4(dist=16015), RLN2(dist=49884) | intergenic |
| 8 | 10015672 | C | A | rs76235194 | 4.32E-01 | 0.081 | 0.074 | 1.10 | 0.82 | -1.49 | 2.69E-05 | 0.097 | 0.057 | 1.79 | 1.3 | -2.47 | 1.49 | 4.03E-03 | MSRA | intronic |
| 1 | 60023311 | A | G | rs74961816 | 7.54E-01 | 0.070 | 0.070 | 1.01 | 0.73 | -1.39 | 3.54E-05 | 0.110 | 0.063 | 1.84 | 1.36 | -2.5 | 1.48 | 4.03E-03 | FGGY | intronic |
| 12 | 9006025 | C | T | rs12814670 | 6.47E-05 | 0.153 | 0.093 | 1.76 | 1.39 | -2.23 | 9.33E-01 | 0.135 | 0.150 | 0.89 | 0.67 | -1.16 | 1.34 | 4.03E-03 | A2ML1(dist=30644), PHC1(dist=7291) | intergenic |
| 12 | 59985764 | T | C | rs4548660 | 6.12E-05 | 0.142 | 0.096 | 1.57 | 1.23 | -2 | 8.55E-01 | 0.106 | 0.110 | 0.96 | 0.71 | -1.3 | 1.37 | 4.05E-03 | LRI3G(dist=671445), SLC16A7(dist=4057) | intergenic |
| 1 | 60077050 | G | C | rs148995905 | 6.73E-01 | 0.070 | 0.067 | 1.04 | 0.75 | -1.43 | 6.16E-05 | 0.106 | 0.060 | 1.85 | 1.36 | -2.53 | 1.47 | 4.06E-03 | FGGY | intronic |
| 12 | 31286189 | T | C | rs3844571 | 8.78E-01 | 0.167 | 0.173 | 1.04 | 0.84 | -1.29 | 9.00E-06 | 0.256 | 0.179 | 0.63 | 0.51 | -0.79 | 0.75 | 4.06E-03 | DDX11(dist=28464), FAM60A(dist=147331) | intergenic |
| 4 | 98203098 | G | A | rs186741090 | 3.30E-01 | 0.049 | 0.044 | 1.13 | 0.77 | -1.66 | 1.08E-05 | 0.051 | 0.024 | 2.13 | 1.37 | -3.32 | 1.74 | 4.06E-03 | PDHA2(dist=1440473), STPG2-AS1(dist=84979) | intergenic |
| 4 | 158544874 | T | C | rs6853516 | 3.24E-05 | 0.456 | 0.377 | 1.02 | 0.61 | -0.85 | 5.66E-01 | 0.388 | 0.404 | 1.07 | 0.88 | -1.29 | 0.81 | 4.08E-03 | LOC340017(dist=47281), FAM198B(dist=501148) | intergenic |
| 1 | 203973970 | T | G | rs75087543 | 5.17E-01 | 0.093 | 0.089 | 1.05 | 0.8 | -1.4 | 7.65E-06 | 0.104 | 0.063 | 1.73 | 1.26 | -2.36 | 1.50 | 4.13E-03 | SNRPE(dist=133690), LINC00303(dist=27605) | intergenic |
| 8 | 1236491 | G | A | rs11136378 | 5.46E-05 | 0.147 | 0.094 | 1.67 | 1.32 | -2.12 | 7.37E-01 | 0.111 | 0.122 | 0.90 | 0.67 | -1.22 | 1.36 | 4.16E-03 | ERICH1-AS1(dist=148714), LOC286083(dist=7803) | intergenic |
| 6 | 32498881 | G | NA | | 2.35E-05 | 0.463 | 0.401 | 0.78 | 0.66 | -0.91 | 9.87E-01 | 0.441 | 0.438 | 0.99 | 0.82 | -1.19 | 0.79 | 4.16E-03 | HLA-DQA1(dist=3992), HLA-DQB1(dist=11820) | intergenic |
| 8 | 139201813 | T | C | rs115043332 | 6.25E-01 | 0.066 | 0.063 | 1.03 | 0.74 | -1.44 | 4.29E-05 | 0.102 | 0.056 | 1.90 | 1.39 | -2.61 | 1.49 | 4.17E-03 | FAM135B | intronic |
| 7 | 89278913 | T | C | rs76424800 | 4.88E-01 | 0.024 | 0.022 | 1.11 | 0.65 | -1.9 | 2.05E-05 | 0.037 | 0.020 | 1.86 | 1.12 | -3.09 | 2.59 | 4.18E-03 | ZNF804B(dist=312542), STEAP2-AS1(dist=232754) | intergenic |
| 11 | 86481736 | C | T | rs56958665 | 5.58E-01 | 0.136 | 0.133 | 1.03 | 0.81 | -1.3 | 5.80E-05 | 0.156 | 0.106 | 1.56 | 1.2 | -2.03 | 1.42 | 4.20E-03 | ME3(dist=98058), PRSS23(dist=20365) | intergenic |
| 18 | 6736590 | T | A | rs9951324;rs201540776 | 4.71E-01 | 0.134 | 0.132 | 1.02 | 0.8 | -1.29 | 3.35E-05 | 0.170 | 0.116 | 1.56 | 1.22 | -2.01 | 1.37 | 4.21E-03 | LINC01387(dist=145938), ARHGAP28(dist=97842) | intergenic |
| 20 | 8147916 | C | A | rs6039061 | 5.05E-01 | 0.478 | 0.502 | 0.91 | 0.77 | -1.07 | 5.24E-07 | 0.583 | 0.464 | 1.61 | 1.34 | -1.95 | 1.21 | 4.22E-03 | PLCB1 | intronic |
| 6 | 70874834 | A | G | rs76431522 | 8.45E-01 | 0.076 | 0.075 | 1.00 | 0.74 | -1.37 | 6.80E-06 | 0.112 | 0.060 | 1.99 | 1.46 | -2.69 | 1.47 | 4.24E-03 | COL19A1 | intronic |
| 12 | 106589658 | G | G | rs2649712 | 9.00E-01 | 0.417 | 0.425 | 0.97 | 0.82 | -1.14 | 1.99E-05 | 0.338 | 0.434 | 0.67 | 0.55 | -0.81 | 0.83 | 4.26E-03 | NUAK1(dist=55847), CKAP4(dist=42001) | intergenic |
| 3 | 88259247 | T | C | rs111703775 | 9.90E-01 | 0.040 | 0.042 | 0.96 | 0.63 | -1.45 | 8.43E-06 | 0.068 | 0.031 | 2.27 | 1.55 | -3.34 | 1.71 | 4.27E-03 | C3orf38(dist=52132), EPHA3(dist=897427) | intergenic |
| 3 | 88259318 | C | T | rs113921074 | 9.90E-01 | 0.040 | 0.042 | 0.96 | 0.63 | -1.45 | 8.43E-06 | 0.068 | 0.031 | 2.27 | 1.55 | -3.34 | 1.71 | 4.27E-03 | C3orf38(dist=52203), EPHA3(dist=897356) | intergenic |
| 15 | 89227975 | C | T | rs74030235 | 6.38E-01 | 0.093 | 0.090 | 1.03 | 0.78 | -1.37 | 6.22E-05 | 0.123 | 0.073 | 1.77 | 1.33 | -2.37 | 1.42 | 4.28E-03 | ISG20(dist=28400), ACAN(dist=118699) | intergenic |
| 4 | 2786318 | C | T | rs13117917 | 6.38E-01 | 0.078 | 0.073 | 1.07 | 0.79 | -1.45 | 1.20E-05 | 0.107 | 0.068 | 1.64 | 1.2 | -2.22 | 1.53 | 4.29E-03 | TNIP2(dist=28215), SH3BP2(dist=8432) | intergenic |
| 8 | 52072007 | C | A | rs180818706 | 5.90E-01 | 0.086 | 0.085 | 1.02 | 0.76 | -1.36 | 5.27E-05 | 0.124 | 0.078 | 1.67 | 1.25 | -2.23 | 1.46 | 4.32E-03 | SNTG1(dist=365329), PXDNL(dist=160130) | intergenic |
| 14 | 63245881 | T | C | rs12435061 | 3.28E-05 | 0.324 | 0.406 | 1.42 | 1.2 | -1.69 | 5.99E-01 | 0.427 | 0.416 | 0.96 | 0.79 | -1.15 | 1.22 | 4.37E-03 | KCNH5 | intronic |
| 14 | 63245967 | T | C | rs12435655 | 3.30E-05 | 0.324 | 0.406 | 1.42 | 1.2 | -1.69 | 5.99E-01 | 0.427 | 0.416 | 0.96 | 0.79 | -1.15 | 1.22 | 4.38E-03 | KCNH5 | intronic |
| 13 | 115024529 | G | A | rs139298640 | 5.33E-05 | 0.071 | 0.039 | 1.87 | 1.33 | -2.62 | 5.77E-01 | 0.032 | 0.035 | 0.91 | 0.54 | -1.55 | 1.62 | 4.38E-03 | CDC16 | intronic |
| 1 | 218143041 | C | T | rs11577733 | 3.14E-05 | 0.149 | 0.203 | 0.69 | 0.55 | -0.86 | 7.32E-01 | 0.216 | 0.216 | 1.00 | 0.8 | -1.25 | 0.79 | 4.39E-03 | LINC00210(dist=48895), LOC101929631(dist=73806) | intergenic |
| 9 | 71829884 | A | C | rs79650993 | 6.70E-01 | 0.032 | 0.028 | 1.15 | 0.72 | -1.83 | 1.33E-05 | 0.054 | 0.032 | 1.76 | 1.16 | -2.69 | 2.04 | 4.39E-03 | TJP2 | intronic |
| 18 | 21894517 | T | C | rs2588565 | 4.63E-01 | 0.060 | 0.056 | 1.07 | 0.76 | -1.51 | 3.47E-06 | 0.070 | 0.037 | 1.97 | 1.35 | -2.87 | 1.61 | 4.39E-03 | OSBPL1A | intronic |
| 5 | 2904212 | G | A | rs116674644 | 5.64E-01 | 0.028 | 0.025 | 1.10 | 0.67 | -1.82 | 3.51E-05 | 0.044 | 0.020 | 2.27 | 1.41 | -3.64 | 1.95 | 4.40E-03 | C5orf38(dist=148701), LINC01377(dist=273737) | intergenic |
| 1 | 241129318 | T | C | rs6676722 | 9.48E-01 | 0.052 | 0.055 | 0.95 | 0.66 | -1.37 | 4.79E-06 | 0.089 | 0.050 | 1.86 | 1.33 | -2.6 | 1.66 | 4.41E-03 | RGST | intronic |
| 1 | 154455949 | T | C | rs12568083 | 5.89E-05 | 0.275 | 0.196 | 1.56 | 1.3 | -1.88 | 9.36E-01 | 0.235 | 0.246 | 0.94 | 0.75 | -1.17 | 1.26 | 4.42E-03 | SHE(NM_001010846:c.*676A>G) | UTR3 |
| 12 | 106585445 | G | A | rs2936703 | 9.09E-01 | 0.418 | 0.425 | 0.97 | 0.82 | -1.14 | 2.08E-05 | 0.340 | 0.435 | 0.67 | 0.55 | -0.81 | 0.83 | 4.42E-03 | NUAK1(dist=51634), CKAP4(dist=46214) | intergenic |
| 4 | 33544344 | G | A | rs115762802 | 2.35E-05 | 0.072 | 0.041 | 1.80 | 1.29 | -2.51 | 4.45E-01 | 0.030 | 0.035 | 0.87 | 0.51 | -1.5 | 1.62 | 4.43E-03 | LOC10273828(dist=1387316), LOC101928622(dist=353617) | intergenic |
| 9 | 22554515 | G | A | rs116489947 | 7.35E-01 | 0.021 | 0.025 | 0.85 | 0.49 | -1.48 | 3.50E-08 | 0.053 | 0.021 | 2.61 | 1.68 | -4.04 | 1.96 | 4.43E-03 | DMRTA1(dist=102043), LINC01239(dist=91684) | intergenic |
| 13 | 91443276 | C | T | | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 3 | 88253508 | C | T | rs113737721 | 9.52E-01 | 0.040 | 0.042 | 0.95 | 0.63 | -1.44 | 8.39E-06 | 0.069 | 0.031 | 2.28 | 1.55 | -3.34 | 1.70 | 4.61E-03 | C3orf38(dist=46393), EPHA3(dist=903166) | intergenic |
| 10 | 14819394 | C | A | rs111715676 | 8.67E-06 | 0.158 | 0.224 | 0.65 | 0.52 | -0.81 | 3.22E-01 | 0.222 | 0.208 | 1.09 | 0.87 | -1.36 | 0.77 | 4.61E-03 | FAM107B(dist=2498), CDNF(dist=41857) | intergenic |
| 3 | 10234763 | G | A | rs55864356 | 4.16E-05 | 0.089 | 0.054 | 1.71 | 1.27 | -2.32 | 4.69E-01 | 0.056 | 0.060 | 0.93 | 0.62 | -1.39 | 1.52 | 4.64E-03 | IRAK2 | intronic |
| 6 | 109676776 | G | A | rs10872032 | 7.24E-01 | 0.349 | 0.334 | 0.93 | 0.79 | -1.11 | 5.18E-05 | 0.439 | 0.365 | 0.73 | 0.61 | -0.89 | 0.82 | 4.67E-03 | CCDC162P(dist=47353), CD164(dist=10941) | intergenic |
| 16 | 80819520 | A | C | rs7194085 | 6.53E-01 | 0.068 | 0.066 | 1.04 | 0.75 | -1.44 | 2.78E-05 | 0.097 | 0.055 | 1.83 | 1.32 | -2.53 | 1.50 | 4.67E-03 | CDYL2 | intronic |
| 6 | 104488635 | C | A | rs115168610 | 9.01E-01 | 0.036 | 0.035 | 1.02 | 0.66 | -1.59 | 3.21E-06 | 0.060 | 0.024 | 2.61 | 1.73 | -3.94 | 1.75 | 4.67E-03 | GRIK2(dist=1970677), HACE1(dist=687333) | intergenic |
| 21 | 40681644 | G | A | rs8128995 | 8.47E-01 | 0.032 | 0.032 | 1.02 | 0.64 | -1.61 | 3.95E-05 | 0.058 | 0.026 | 2.34 | 1.54 | -3.54 | 1.77 | 4.68E-03 | BRWD1 | intronic |
| 11 | 117445302 | C | T | rs76779938 | 7.00E-01 | 0.053 | 0.052 | 1.02 | 0.71 | -1.47 | 5.48E-05 | 0.075 | 0.038 | 2.04 | 1.42 | -2.95 | 1.57 | 4.69E-03 | DSCAML1 | intronic |
| 4 | 166586098 | T | G | rs114780293 | 1.77E-05 | 0.045 | 0.021 | 2.17 | 1.42 | -3.34 | 5.11E-01 | 0.018 | 0.023 | 0.80 | 0.4 | -1.6 | 1.96 | 4.69E-03 | CPE(dist=166616), LINC01179(dist=19693) | intergenic |
| 4 | 2805540 | C | T | rs115369762 | 7.57E-01 | 0.050 | 0.046 | 1.10 | 0.75 | -1.6 | 1.19E-05 | 0.086 | 0.054 | 1.66 | 1.18 | -2.33 | 1.65 | 4.70E-03 | SH3BP2 | intronic |
| 18 | 6735931 | C | T | rs7244867 | 4.70E-01 | 0.134 | 0.132 | 1.01 | 0.8 | -1.29 | 4.15E-05 | 0.168 | 0.115 | 1.56 | 1.21 | -2.01 | 1.36 | 4.72E-03 | LINC01387(dist=145279), ARHGAP28(dist=98501) | intergenic |
| 9 | 22506667 | G | A | rs116351119 | 7.20E-01 | 0.021 | 0.025 | 0.84 | 0.48 | -1.47 | 3.35E-08 | 0.053 | 0.021 | 2.61 | 1.68 | -4.04 | 1.95 | 4.73E-03 | DMRTA1(dist=108195), LINC01239(dist=85532) | intergenic |
| 15 | 99149282 | G | A | rs77074269 | 8.45E-01 | 0.067 | 0.067 | 0.99 | 0.72 | -1.38 | 1.22E-06 | 0.099 | 0.060 | 1.72 | 1.25 | -2.36 | 1.61 | 4.74E-03 | FAM169B(dist=91671), IRAIN(dist=39813) | intergenic |
| 9 | 124435508 | A | G | rs12005676 | 7.30E-01 | 0.477 | 0.470 | 0.97 | 0.83 | -1.14 | 6.35E-05 | 0.411 | 0.506 | 1.47 | 1.22 | -1.78 | 1.22 | 4.76E-03 | DAB2IP | intronic |
| 9 | 22562331 | A | C | rs115177711 | 7.16E-01 | 0.021 | 0.025 | 0.84 | 0.48 | -1.47 | 3.26E-08 | 0.053 | 0.021 | 2.61 | 1.68 | -4.05 | 1.95 | 4.78E-03 | DMRTA1(dist=109859), LINC01239(dist=83868) | intergenic |
| 13 | 93123894 | G | T | rs9301814 | 3.58E-06 | 0.169 | 0.112 | 1.62 | 1.29 | -2.03 | 3.26E-01 | 0.113 | 0.126 | 0.89 | 0.66 | -1.2 | 1.33 | 4.78E-03 | GPC5 | intronic |
| 6 | 130542171 | T | C | rs6569666 | 8.15E-06 | 0.205 | 0.271 | 0.69 | 0.57 | -0.84 | 4.79E-01 | 0.268 | 0.258 | 1.05 | 0.85 | -1.3 | 0.78 | 4.80E-03 | SAMD3 | intronic |
| 13 | 106409350 | G | A | rs73573166 | 5.29E-01 | 0.088 | 0.086 | 1.03 | 0.77 | -1.38 | 2.66E-05 | 0.105 | 0.066 | 1.66 | 1.22 | -2.26 | 1.54 | 4.81E-03 | LINC00343 | ncRNA_intronic |
| 13 | 91434604 | A | T | rs9515803 | 5.43E-05 | 0.179 | 0.122 | 1.57 | 1.26 | -1.96 | 7.26E-01 | 0.143 | 0.154 | 0.92 | 0.71 | -1.2 | 1.31 | 4.83E-03 | LINC01049(dist=247009), LINC00410(dist=108604) | intergenic |
| 5 | 20371802 | G | A | rs77488796 | 5.34E-05 | 0.092 | 0.055 | 1.74 | 1.29 | -2.34 | 6.00E-01 | 0.041 | 0.044 | 0.93 | 0.58 | -1.49 | 1.51 | 4.85E-03 | CDH18 | intronic |
| 6 | 150682701 | C | T | rs4869903 | 1.64E-05 | 0.227 | 0.309 | 0.66 | 0.54 | -0.79 | 7.02E-01 | 0.281 | 0.271 | 1.05 | 0.85 | -1.29 | 0.80 | 4.87E-03 | PPP1R14C(dist=111173), IYD(dist=7327) | intergenic |
| 9 | 121700692 | A | G | rs16907811 | 6.48E-01 | 0.036 | 0.030 | 1.22 | 0.78 | -1.9 | 6.05E-05 | 0.072 | 0.047 | 1.57 | 1.08 | -2.27 | 1.79 | 4.87E-03 | TLR4(dist=1220923), BRINP1(dist=228216) | intergenic |
| 14 | 63245075 | A | G | rs2016794 | 3.29E-05 | 0.327 | 0.409 | 1.42 | 1.2 | -1.69 | 5.73E-01 | 0.431 | 0.420 | 0.95 | 0.79 | -1.15 | 1.21 | 4.87E-03 | KCNH5 | intronic |
| 5 | 2893495 | A | T | rs150540112 | 5.71E-01 | 0.027 | 0.025 | 1.10 | 0.67 | -1.82 | 4.38E-05 | 0.045 | 0.021 | 2.22 | 1.39 | -3.55 | 1.94 | 4.89E-03 | C5orf38(dist=137984), LINC01377(dist=284454) | intergenic |
| 13 | 91430926 | G | C | rs12877329 | 5.87E-05 | 0.179 | 0.122 | 1.57 | 1.26 | -1.96 | 7.32E-01 | 0.143 | 0.153 | 0.92 | 0.71 | -1.2 | 1.31 | 4.93E-03 | LINC01049(dist=243331), LINC00410(dist=112282) | intergenic |
| 8 | 145072422 | G | A | rs11993076 | 5.45E-05 | 0.149 | 0.102 | 1.55 | 1.22 | -1.96 | 4.54E-01 | 0.093 | 0.101 | 0.92 | 0.67 | -1.27 | 1.35 | 4.94E-03 | GRINA(dist=4839), SPATC1(dist=14160) | intergenic |
| 1 | 53910840 | C | T | rs149876858 | 9.75E-01 | 0.028 | 0.030 | 0.92 | 0.56 | -1.52 | 6.76E-06 | 0.057 | 0.025 | 2.40 | 1.58 | -3.65 | 1.80 | 4.98E-03 | SLC25A3P1(dist=5147), MYRTB1(dist=14232) | intergenic |
| 2 | 240996197 | C | A | rs13390961 | 6.27E-01 | 0.105 | 0.105 | 1.00 | 0.77 | -1.31 | 3.93E-05 | 0.159 | 0.105 | 1.61 | 1.24 | -2.09 | 1.38 | 4.98E-03 | OR6B3(dist=10708), MYEOV2(dist=69783) | intergenic |
| 5 | 2891793 | T | A | rs116833638 | 5.82E-01 | 0.027 | 0.025 | 1.10 | 0.66 | -1.81 | 4.16E-05 | 0.045 | 0.021 | 2.22 | 1.39 | -3.54 | 1.94 | 5.01E-03 | C5orf38(dist=136282), LINC01377(dist=286156) | intergenic |
| 3 | 10233925 | G | A | rs73811846 | 4.88E-05 | 0.089 | 0.054 | 1.70 | 1.26 | -2.3 | 4.74E-01 | 0.056 | 0.060 | 0.93 | 0.62 | -1.39 | 1.51 | 5.02E-03 | IRAK2 | intronic |
| 1 | 30416211 | G | A | rs4949521 | 9.03E-01 | 0.351 | 0.357 | 0.97 | 0.82 | -1.15 | 2.56E-05 | 0.273 | 0.357 | 0.68 | 0.55 | -0.83 | 0.83 | 5.03E-03 | LOC101928460(dist=739585), LOC101929406(dist=70588) | intergenic |
| 6 | 70889980 | G | A | rs141582098 | 7.39E-01 | 0.069 | 0.067 | 1.03 | 0.74 | -1.42 | 2.32E-05 | 0.100 | 0.052 | 2.02 | 1.46 | -2.78 | 1.48 | 5.04E-03 | COL19A1 | intronic |
| 8 | 1235249 | G | C | rs13249390 | 2.26E-05 | 0.145 | 0.090 | 1.71 | 1.34 | -2.17 | 5.16E-01 | 0.102 | 0.117 | 0.86 | 0.64 | -1.17 | 1.36 | 5.04E-03 | ERICH1-AS1(dist=147472), LOC286083(dist=9045) | intergenic |
| 6 | 70890113 | C | T | rs114126513 | 7.40E-01 | 0.069 | 0.067 | 1.03 | 0.74 | -1.42 | 2.33E-05 | 0.100 | 0.052 | 2.02 | 1.46 | -2.78 | 1.48 | 5.05E-03 | COL19A1 | intronic |
| 3 | 115520252 | A | G | rs13070648 | 8.77E-01 | 0.066 | 0.064 | 1.02 | 0.74 | -1.42 | 5.78E-05 | 0.117 | 0.068 | 1.81 | 1.34 | -2.43 | 1.45 | 5.06E-03 | LSAMP | downstream |
| 9 | 22577818 | G | T | rs149010408 | 6.99E-01 | 0.021 | 0.025 | 0.83 | 0.47 | -1.46 | 2.76E-08 | 0.052 | 0.021 | 2.60 | 1.68 | -4.05 | 1.94 | 5.07E-03 | DMRTA1(dist=125346), LINC01239(dist=68381) | intergenic |
| 1 | 39221758 | G | A | rs78264562 | 7.41E-01 | 0.075 | 0.075 | 1.01 | 0.74 | -1.37 | 6.40E-05 | 0.108 | 0.070 | 1.61 | 1.19 | -2.19 | 1.54 | 5.09E-03 | LINC01343(dist=541319), RRAGC(dist=82111) | intergenic |
| 6 | 70836651 | G | A | rs74942728 | 7.43E-01 | 0.069 | 0.067 | 1.03 | 0.74 | -1.42 | 2.34E-05 | 0.100 | 0.052 | 2.01 | 1.46 | -2.77 | 1.48 | 5.09E-03 | COL19A1 | intronic |
| 18 | 6754476 | G | A | rs73380752 | 4.89E-01 | 0.132 | 0.130 | 1.01 | 0.79 | -1.29 | 4.60E-05 | 0.167 | 0.115 | 1.55 | 1.2 | -2 | 1.37 | 5.10E-03 | LINC01387(dist=163824), ARHGAP28(dist=79956) | intergenic |
| 13 | 91429074 | A | G | rs9515801 | 5.96E-05 | 0.179 | 0.122 | 1.57 | 1.26 | -1.96 | 7.23E-01 | 0.143 | 0.153 | 0.92 | 0.71 | -1.2 | 1.31 | 5.10E-03 | LINC01049(dist=241479), LINC00410(dist=114134) | intergenic |
| 13 | 91441129 | G | A | rs272081 | 7.58E-06 | 0.335 | 0.247 | 1.54 | 1.29 | -1.83 | 3.23E-01 | 0.258 | 0.288 | 0.86 | 0.7 | -1.07 | 1.23 | 5.11E-03 | LINC01049(dist=253534), LINC00410(dist=102079) | intergenic |
| 2 | 58821003 | T | C | rs76539582 | 2.87E-05 | 0.064 | 0.033 | 2.05 | 1.43 | -2.93 | 4.86E-01 | 0.032 | 0.038 | 0.84 | 0.49 | -1.42 | 1.68 | 5.12E-03 | LINC01122 | ncRNA_intronic |
| 4 | 168192161 | C | G | rs143250500 | 8.26E-01 | 0.048 | 0.046 | 1.04 | 0.71 | -1.52 | 1.57E-06 | 0.070 | 0.040 | 1.80 | 1.24 | -2.62 | 1.69 | 5.15E-03 | SPOCK3(dist=36420), ANXA10(dist=821527) | intergenic |
| 15 | 83487995 | A | G | rs147318291 | 3.04E-01 | 0.031 | 0.039 | 0.78 | 0.5 | -1.24 | 2.23E-08 | 0.089 | 0.041 | 2.30 | 1.64 | -3.24 | 1.62 | 5.16E-03 | WHAMM | intronic |
| 1 | 116411637 | A | G | rs4839497 | 1.30E-05 | 0.574 | 0.473 | 1.50 | 1.28 | -1.77 | 4.00E-01 | 0.493 | 0.468 | 0.90 | 0.75 | -1.09 | 1.21 | 5.16E-03 | NHLH2(dist=27890), LOC101928995(dist=50360) | intergenic |
| 20 | 58162514 | G | C | rs57101530 | 5.68E-05 | 0.065 | 0.041 | 1.63 | 1.15 | -2.31 | 7.11E-01 | 0.034 | 0.034 | 0.98 | 0.59 | -1.65 | 1.81 | 5.17E-03 | PHACTR3 | intronic |
| 21 | 40550534 | T | C | rs8131611 | 7.84E-01 | 0.034 | 0.033 | 1.02 | 0.65 | -1.6 | 1.03E-05 | 0.055 | 0.025 | 2.27 | 1.48 | -3.47 | 1.79 | 5.18E-03 | PSMG1 | exonic |
| 9 | 22582920 | C | G | rs12000009 | 6.93E-01 | 0.021 | 0.025 | 0.83 | 0.47 | -1.46 | 2.63E-08 | 0.052 | 0.021 | 2.60 | 1.67 | -4.04 | 1.94 | 5.19E-03 | DMRTA1(dist=130448), LINC01239(dist=63279) | intergenic |
| 9 | 22584650 | C | T | rs115089568 | 6.92E-01 | 0.021 | 0.025 | 0.83 | 0.47 | -1.46 | 2.54E-08 | 0.052 | 0.021 | 2.60 | 1.67 | -4.04 | 1.94 | 5.19E-03 | DMRTA1(dist=132178), LINC01239(dist=61549) | intergenic |
| 6 | 104486553 | G | C | rs115682953 | 5.72E-01 | 0.067 | 0.063 | 1.07 | 0.77 | -1.48 | 4.18E-05 | 0.083 | 0.041 | 2.11 | 1.48 | -2.99 | 1.52 | 5.20E-03 | GRIK2(dist=1968595), HACE1(dist=689415) | intergenic |
| 20 | 53570491 | C | T | rs1125961 | 8.85E-01 | 0.163 | 0.157 | 1.05 | 0.84 | -1.3 | 1.21E-05 | 0.228 | 0.165 | 1.49 | 1.19 | -1.87 | 1.29 | 5.21E-03 | DOK5(dist=302781), LINC01441(dist=466383) | intergenic |
| 14 | 63273158 | A | G | rs1844509 | 2.50E-05 | 0.322 | 0.403 | 1.42 | 1.2 | -1.69 | 4.91E-01 | 0.429 | 0.417 | 0.95 | 0.79 | -1.15 | 1.21 | 5.23E-03 | KCNH5 | intronic |
| 9 | 22588509 | C | G | rs116317217 | 6.83E-01 | 0.020 | 0.024 | 0.83 | 0.47 | -1.46 | 1.96E-08 | 0.052 | 0.021 | 2.59 | 1.67 | -4.04 | 1.96 | 5.24E-03 | DMRTA1(dist=136037), LINC01239(dist=57690) | intergenic |
| 3 | 62086558 | A | G | rs6772567 | 6.07E-05 | 0.078 | 0.043 | 1.90 | 1.37 | -2.63 | 7.86E-01 | 0.043 | 0.048 | 0.88 | 0.56 | -1.4 | 1.57 | 5.24E-03 | PTPRG | intronic |
| 10 | 17425548 | T | C | rs381545 | 6.30E-01 | 0.423 | 0.412 | 1.05 | 0.89 | -1.23 | 6.24E-05 | 0.478 | 0.397 | 1.39 | 1.15 | -1.67 | 1.22 | 5.26E-03 | ST8SIA6 | intronic |
| 5 | 13453439 | A | T | rs722784 | 9.30E-01 | 0.062 | 0.060 | 1.04 | 0.74 | -1.45 | 5.35E-05 | 0.106 | 0.065 | 1.71 | 1.26 | -2.33 | 1.47 | 5.26E-03 | LINC01194(dist=648144), DNAH5(dist=236998) | intergenic |
| 10 | 74091924 | T | C | rs9415066 | 8.74E-01 | 0.448 | 0.438 | | | | | | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|---------------|
| 1 | 30415026 | G | A | rs1498243 | 9.27E-01 | 0.351 | 0.357 | 0.97 | 0.82 | -1.16 | 2.61E-05 | 0.273 | 0.356 | 0.68 | 0.55 | -0.83 | 0.83 | 5.42E-03 | LOC101928460(dist=738400), LOC101929406(dist=71773) | intergenic |
| 13 | 91425041 | A | G | rs9560684 | 6.48E-05 | 0.178 | 0.121 | 1.57 | 1.26 | -1.96 | 7.17E-01 | 0.144 | 0.154 | 0.92 | 0.7 | -1.2 | 1.30 | 5.43E-03 | LINC01049(dist=237446), LINC00410(dist=118167) | intergenic |
| 15 | 62101266 | C | T | rs73426761 | 2.89E-05 | 0.048 | 0.023 | 2.16 | 1.42 | -3.28 | 4.38E-01 | 0.020 | 0.024 | 0.82 | 0.42 | -1.59 | 1.82 | 5.45E-03 | RORA(dist=579764), VPS13C(dist=43324) | intergenic |
| 3 | 88266312 | G | A | rs111278862 | 9.74E-01 | 0.041 | 0.042 | 0.97 | 0.64 | -1.46 | 1.82E-05 | 0.067 | 0.032 | 2.21 | 1.5 | -3.25 | 1.68 | 5.46E-03 | C3orf38(dist=59197), EPHA3(dist=890362) | intergenic |
| 6 | 37073960 | G | A | rs116412512 | 3.81E-05 | 0.049 | 0.025 | 1.97 | 1.31 | -2.96 | 6.30E-01 | 0.020 | 0.022 | 0.91 | 0.47 | -1.79 | 1.92 | 5.46E-03 | FGD2(dist=77115), PIM1(dist=63962) | intergenic |
| 21 | 27254586 | A | G | rs2144486 | 2.91E-05 | 0.066 | 0.030 | 0.44 | 0.31 | -0.64 | 6.78E-01 | 0.035 | 0.040 | 1.16 | 0.7 | -1.92 | 0.61 | 5.47E-03 | APP | intronic |
| 10 | 97328657 | C | T | rs74150946;rs386746753 | 3.11E-05 | 0.200 | 0.147 | 1.45 | 1.18 | -1.79 | 6.39E-01 | 0.142 | 0.147 | 0.96 | 0.74 | -1.26 | 1.31 | 5.47E-03 | SORBS1(dist=7480), ALDH18A1(dist=37029) | intergenic |
| 1 | 203978034 | G | A | rs78832387 | 4.76E-01 | 0.106 | 0.100 | 1.06 | 0.81 | -1.38 | 3.56E-05 | 0.114 | 0.075 | 1.60 | 1.19 | -2.15 | 1.47 | 5.48E-03 | SNRPE(dist=137754), LINC00303(dist=23541) | intergenic |
| 1 | 157590482 | T | C | rs2146208 | 9.93E-01 | 0.451 | 0.448 | 1.01 | 0.86 | -1.19 | 1.45E-05 | 0.363 | 0.459 | 0.67 | 0.55 | -0.81 | 0.83 | 5.48E-03 | FCRL4(dist=22612), FCRL3(dist=57496) | intergenic |
| 4 | 2786525 | C | T | rs7439819 | 6.57E-01 | 0.082 | 0.077 | 1.06 | 0.79 | -1.43 | 1.85E-05 | 0.108 | 0.070 | 1.62 | 1.19 | -2.19 | 1.51 | 5.48E-03 | TNIP2(dist=28422), SH3BP2(dist=8225) | intergenic |
| 13 | 32315308 | C | A | rs114954516 | 6.82E-01 | 0.046 | 0.046 | 0.99 | 0.67 | -1.46 | 4.58E-05 | 0.065 | 0.032 | 2.08 | 1.4 | -3.07 | 1.65 | 5.48E-03 | RXFP2 | intronic |
| 16 | 80824536 | G | C | rs114574313 | 7.31E-01 | 0.066 | 0.065 | 1.02 | 0.73 | -1.42 | 1.48E-05 | 0.088 | 0.047 | 1.95 | 1.39 | -2.74 | 1.51 | 5.49E-03 | CDYL2 | intronic |
| 17 | 40375281 | T | G | rs114196602 | 5.14E-01 | 0.031 | 0.027 | 1.13 | 0.7 | -1.82 | 1.35E-05 | 0.041 | 0.020 | 2.08 | 1.28 | -3.37 | 2.02 | 5.49E-03 | STAT5B | intronic |
| 6 | 70909586 | T | C | rs78798811 | 7.58E-01 | 0.068 | 0.066 | 1.02 | 0.74 | -1.41 | 3.28E-05 | 0.101 | 0.054 | 1.98 | 1.44 | -2.72 | 1.47 | 5.52E-03 | COL19A1 | intronic |
| 1 | 30413157 | C | A | rs1498240 | 7.79E-01 | 0.463 | 0.473 | 0.96 | 0.81 | -1.13 | 5.93E-05 | 0.390 | 0.467 | 0.73 | 0.6 | -0.88 | 0.82 | 5.55E-03 | LOC101928460(dist=736531), LOC101929406(dist=73642) | intergenic |
| 15 | 100463142 | T | C | rs55816900 | 9.27E-01 | 0.025 | 0.021 | 1.18 | 0.7 | -2 | 2.86E-05 | 0.052 | 0.028 | 1.89 | 1.23 | -2.93 | 1.92 | 5.60E-03 | DNM1P46(dist=116010), ADAMTS17(dist=48501) | intergenic |
| 18 | 56911688 | G | A | rs643306 | 6.87E-01 | 0.068 | 0.062 | 0.90 | 0.65 | -1.25 | 2.30E-05 | 0.123 | 0.088 | 0.68 | 0.51 | -0.91 | 0.67 | 5.64E-03 | GRP(dist=13686), RAX(dist=22579) | intergenic |
| 6 | 109698306 | C | T | rs9480942 | 8.29E-01 | 0.084 | 0.079 | 1.07 | 0.79 | -1.43 | 9.79E-06 | 0.158 | 0.111 | 1.51 | 1.16 | -1.96 | 1.42 | 5.64E-03 | CD164 | intronic |
| 2 | 231484740 | G | A | rs187691707 | 7.80E-01 | 0.021 | 0.021 | 0.99 | 0.56 | -1.74 | 2.70E-05 | 0.045 | 0.024 | 1.95 | 1.22 | -3.09 | 2.21 | 5.67E-03 | SP100(dist=74423), LOC151475(dist=70896) | intergenic |
| 7 | 38209837 | C | A | rs7801794 | 4.27E-05 | 0.120 | 0.182 | 0.61 | 0.48 | -0.78 | 5.75E-01 | 0.193 | 0.181 | 1.08 | 0.85 | -1.37 | 0.79 | 5.72E-03 | EPDR1(dist=218295), STARD3NL(dist=7971) | intergenic |
| 1 | 30554008 | T | C | rs393480 | 8.20E-01 | 0.295 | 0.293 | 0.99 | 0.83 | -1.19 | 2.79E-05 | 0.361 | 0.281 | 0.69 | 0.57 | -0.84 | 0.81 | 5.75E-03 | LOC101929406(dist=43549), MATN1(dist=630116) | intergenic |
| 13 | 107917576 | G | T | rs141548020 | 7.94E-01 | 0.033 | 0.031 | 1.05 | 0.66 | -1.66 | 1.30E-06 | 0.054 | 0.028 | 2.02 | 1.32 | -3.08 | 1.90 | 5.76E-03 | FAM155A | intronic |
| 13 | 107917917 | G | T | rs147145776 | 7.96E-01 | 0.033 | 0.031 | 1.05 | 0.66 | -1.66 | 1.25E-06 | 0.054 | 0.028 | 2.02 | 1.32 | -3.09 | 1.90 | 5.77E-03 | FAM155A | intronic |
| 14 | 63273325 | A | T | rs4386055 | 2.78E-05 | 0.322 | 0.403 | 1.42 | 1.2 | -1.69 | 4.79E-01 | 0.428 | 0.416 | 0.95 | 0.79 | -1.15 | 1.21 | 5.78E-03 | KCNH5 | intronic |
| 20 | 53567133 | T | C | rs6127334 | 8.49E-01 | 0.165 | 0.158 | 1.05 | 0.84 | -1.31 | 2.00E-05 | 0.228 | 0.166 | 1.48 | 1.18 | -1.85 | 1.29 | 5.80E-03 | DOK5(dist=299423), LINC01441(dist=469741) | intergenic |
| 13 | 97601655 | A | T | rs112625619 | 8.33E-01 | 0.035 | 0.036 | 0.97 | 0.62 | -1.51 | 5.80E-06 | 0.060 | 0.030 | 2.06 | 1.37 | -3.09 | 1.78 | 5.80E-03 | LINC00359 | mRNA_intronic |
| 20 | 53573928 | G | A | rs1499864 | 8.60E-01 | 0.167 | 0.160 | 1.05 | 0.84 | -1.31 | 1.72E-05 | 0.228 | 0.166 | 1.48 | 1.18 | -1.85 | 1.29 | 5.81E-03 | DOK5(dist=306218), LINC01441(dist=462946) | intergenic |
| 1 | 21344145 | A | G | rs6697563 | 3.54E-05 | 0.382 | 0.310 | 1.38 | 1.16 | -1.63 | 7.00E-01 | 0.339 | 0.349 | 0.95 | 0.78 | -1.16 | 1.23 | 5.82E-03 | EIF4G3 | intronic |
| 1 | 60057484 | G | A | rs140193829 | 7.06E-01 | 0.046 | 0.044 | 1.04 | 0.7 | -1.54 | 3.80E-05 | 0.068 | 0.036 | 1.96 | 1.34 | -2.87 | 1.64 | 5.84E-03 | FGGY | intronic |
| 15 | 48849728 | C | T | rs2437948 | 4.73E-05 | 0.390 | 0.462 | 1.34 | 1.13 | -1.58 | 5.82E-01 | 0.469 | 0.466 | 0.99 | 0.82 | -1.19 | 1.20 | 5.86E-03 | FBN1 | intronic |
| 6 | 70930935 | G | A | rs79979095 | 8.56E-01 | 0.075 | 0.075 | 1.00 | 0.73 | -1.36 | 1.23E-05 | 0.106 | 0.056 | 2.01 | 1.47 | -2.74 | 1.45 | 5.87E-03 | COL9A1 | intronic |
| 3 | 88249660 | G | T | rs113992786 | 9.52E-01 | 0.040 | 0.042 | 0.95 | 0.63 | -1.44 | 1.50E-05 | 0.067 | 0.031 | 2.25 | 1.53 | -3.31 | 1.67 | 5.88E-03 | C3orf38(dist=42545), EPHA3(dist=907014) | intergenic |
| 4 | 168172401 | T | C | rs386681792;rs73861955 | 7.18E-01 | 0.075 | 0.072 | 1.04 | 0.76 | -1.41 | 6.10E-05 | 0.108 | 0.069 | 1.62 | 1.19 | -2.2 | 1.46 | 5.89E-03 | SPOCK3(dist=16660), ANXA10(dist=841287) | intergenic |
| 9 | 100107401 | T | C | rs74928160 | 5.04E-06 | 0.061 | 0.034 | 1.86 | 1.29 | -2.67 | 4.15E-01 | 0.029 | 0.035 | 0.83 | 0.48 | -1.44 | 1.79 | 5.92E-03 | LOC100499484-C9ORF174 | mRNA_intronic |
| 15 | 52185661 | A | C | rs182070272 | 7.97E-01 | 0.021 | 0.021 | 1.03 | 0.58 | -1.8 | 2.58E-05 | 0.044 | 0.020 | 2.23 | 1.39 | -3.58 | 1.97 | 5.92E-03 | TMOD3 | intronic |
| 12 | 126203425 | A | G | rs16919437 | 8.46E-01 | 0.105 | 0.103 | 1.02 | 0.78 | -1.33 | 4.87E-05 | 0.149 | 0.094 | 1.69 | 1.3 | -2.21 | 1.36 | 5.92E-03 | TMEM132B(dist=56502), LINC00939(dist=239809) | intergenic |
| 1 | 16090101 | G | A | rs181295540 | 6.45E-01 | 0.032 | 0.031 | 1.05 | 0.66 | -1.67 | 9.85E-06 | 0.045 | 0.020 | 2.27 | 1.42 | -3.64 | 1.90 | 5.93E-03 | FBLIM1 | intronic |
| 6 | 70910853 | G | A | rs16868655 | 7.76E-01 | 0.067 | 0.066 | 1.02 | 0.73 | -1.41 | 3.43E-05 | 0.101 | 0.054 | 1.97 | 1.43 | -2.71 | 1.47 | 5.94E-03 | COL19A1 | intronic |
| 5 | 30915157 | A | T | rs113369982 | 4.71E-06 | 0.080 | 0.050 | 1.67 | 1.22 | -2.29 | 1.95E-01 | 0.028 | 0.036 | 0.78 | 0.45 | -1.36 | 1.66 | 5.97E-03 | LOC101929681(dist=1519074), CDH6(dist=278605) | intergenic |
| 12 | 100657464 | T | C | rs7307415 | 6.21E-05 | 0.303 | 0.238 | 1.39 | 1.16 | -1.67 | 6.09E-01 | 0.247 | 0.247 | 1.00 | 0.8 | -1.24 | 1.24 | 5.97E-03 | DEPDC4 | exonic |
| 20 | 36956901 | G | A | rs7269817 | 3.06E-05 | 0.128 | 0.086 | 1.56 | 1.21 | -2.01 | 4.45E-01 | 0.091 | 0.097 | 0.94 | 0.68 | -1.3 | 1.40 | 6.05E-03 | BPI | intronic |
| 19 | 5536761 | G | C | rs766656 | 4.49E-05 | 0.094 | 0.054 | 1.82 | 1.35 | -2.45 | 5.77E-01 | 0.071 | 0.081 | 0.86 | 0.6 | -1.24 | 1.50 | 6.06E-03 | ZNRF4(dist=79894), TINCR(dist=21417) | intergenic |
| 1 | 84321116 | C | T | rs12118538 | 9.99E-01 | 0.121 | 0.120 | 1.02 | 0.79 | -1.31 | 3.22E-05 | 0.171 | 0.117 | 1.55 | 1.21 | -2 | 1.36 | 6.12E-03 | LOC101927560, LOC101927587, MIR548AP | mRNA_intronic |
| 1 | 30548259 | A | G | rs267668 | 8.02E-01 | 0.285 | 0.283 | 0.99 | 0.83 | -1.19 | 3.71E-05 | 0.358 | 0.279 | 0.69 | 0.57 | -0.84 | 0.81 | 6.13E-03 | LOC101929406(dist=37800), MATN1(dist=635865) | intergenic |
| 4 | 163929416 | A | G | rs79534320 | 6.64E-01 | 0.066 | 0.064 | 1.03 | 0.74 | -1.44 | 4.98E-05 | 0.081 | 0.044 | 1.91 | 1.34 | -2.71 | 1.54 | 6.17E-03 | FSTL5(dist=844230), MIR4454(dist=85310) | intergenic |
| 12 | 12111404 | G | A | rs77783783 | 4.18E-01 | 0.045 | 0.053 | 0.83 | 0.56 | -1.23 | 6.11E-10 | 0.086 | 0.039 | 2.32 | 1.64 | -3.28 | 1.65 | 6.19E-03 | RNU6-19P(dist=32297), BCL2L14(dist=112474) | intergenic |
| 1 | 30414182 | T | G | rs16833076 | 9.88E-01 | 0.357 | 0.362 | 0.98 | 0.83 | -1.16 | 2.45E-05 | 0.275 | 0.360 | 0.68 | 0.55 | -0.83 | 0.83 | 6.19E-03 | LOC101928460(dist=737556), LOC101929406(dist=72617) | intergenic |
| 13 | 32310927 | T | C | rs115142619 | 7.15E-01 | 0.043 | 0.044 | 0.98 | 0.66 | -1.47 | 6.27E-06 | 0.063 | 0.032 | 2.00 | 1.34 | -2.98 | 1.70 | 6.23E-03 | B3GALT1(dist=404516), RXFP2(dist=2752) | intergenic |
| 20 | 52046313 | T | C | rs6013682 | 9.32E-01 | 0.044 | 0.044 | 1.01 | 0.68 | -1.51 | 4.79E-05 | 0.077 | 0.042 | 1.89 | 1.32 | -2.72 | 1.58 | 6.25E-03 | TSHZ2 | intronic |
| 3 | 133436577 | G | T | rs75581091 | 9.24E-01 | 0.057 | 0.056 | 1.03 | 0.72 | -1.46 | 2.13E-05 | 0.100 | 0.056 | 1.89 | 1.37 | -2.6 | 1.48 | 6.30E-03 | TOPBP1(dist=55840), TF(dist=28400) | intergenic |
| 7 | 38823957 | G | A | rs115653513 | 6.89E-01 | 0.046 | 0.043 | 1.06 | 0.72 | -1.57 | 5.10E-05 | 0.072 | 0.035 | 2.13 | 1.47 | -3.09 | 1.58 | 6.31E-03 | VPS41 | intronic |
| 1 | 157585800 | G | T | rs1998380 | 7.22E-01 | 0.041 | 0.433 | 1.03 | 0.88 | -1.22 | 2.78E-06 | 0.333 | 0.434 | 0.65 | 0.53 | -0.79 | 0.83 | 6.31E-03 | FCRL4(dist=17930), FCRL3(dist=62178) | intergenic |
| 11 | 86488552 | C | T | rs17149420 | 6.75E-01 | 0.041 | 0.038 | 1.07 | 0.7 | -1.61 | 5.08E-05 | 0.062 | 0.031 | 2.05 | 1.37 | -3.06 | 1.69 | 6.33E-03 | ME3(dist=104874), PRSS23(dist=13549) | intergenic |
| 7 | 38204054 | G | C | rs62443294 | 5.14E-05 | 0.123 | 0.186 | 0.62 | 0.48 | -0.78 | 5.74E-01 | 0.192 | 0.181 | 1.08 | 0.85 | -1.37 | 0.80 | 6.34E-03 | EPDR1(dist=212512), STARD3NL(dist=13754) | intergenic |
| 4 | 154561898 | T | C | rs73856946 | 6.94E-01 | 0.021 | 0.020 | 1.04 | 0.59 | -1.83 | 2.99E-05 | 0.042 | 0.023 | 1.85 | 1.15 | -2.98 | 2.32 | 6.34E-03 | KIAA0922(dist=4036), TLR2(dist=43543) | intergenic |
| 7 | 38778048 | A | C | rs114544008 | 6.39E-01 | 0.043 | 0.039 | 1.08 | 0.72 | -1.63 | 5.69E-05 | 0.067 | 0.033 | 2.15 | 1.46 | -3.16 | 1.60 | 6.35E-03 | VPS41 | intronic |
| 8 | 38733509 | A | G | rs78162737 | 2.23E-05 | 0.072 | 0.038 | | | | | | | | | | | | | |

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|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 6 | 70904191 | T | G | rs16868648 | 7.19E-01 | 0.069 | 0.067 | 1.03 | 0.75 | -1.42 | 4.92E-05 | 0.101 | 0.055 | 1.92 | 1.39 | -2.63 | 1.46 | 6.67E-03 | COL19A1 | intronic |
| 13 | 106414968 | T | C | rs73573172 | 8.97E-01 | 0.096 | 0.098 | 0.98 | 0.74 | -1.29 | 1.97E-05 | 0.139 | 0.081 | 1.83 | 1.39 | -2.41 | 1.36 | 6.67E-03 | LINC00343 | downstream |
| 12 | 78163345 | A | G | rs11106639 | 8.67E-01 | 0.041 | 0.033 | 1.26 | 0.83 | -1.91 | 6.17E-05 | 0.072 | 0.047 | 1.58 | 1.09 | -2.28 | 1.65 | 6.71E-03 | E2F7(dist=703985), NAV3(dist=61724) | intergenic |
| 2 | 77968806 | G | C | rs147616104 | 4.72E-01 | 0.025 | 0.030 | 0.81 | 0.49 | -1.36 | 9.73E-08 | 0.069 | 0.027 | 2.61 | 1.77 | -3.85 | 1.70 | 6.75E-03 | LRRTM4(dist=219304), LOC101927967(dist=2016) | intergenic |
| 15 | 83608298 | T | C | rs114563075 | 4.19E-01 | 0.035 | 0.042 | 0.83 | 0.54 | -1.28 | 1.88E-07 | 0.092 | 0.044 | 2.18 | 1.56 | -3.04 | 1.57 | 6.75E-03 | HOMER2 | intronic |
| 7 | 67322397 | C | G | rs139476158 | 5.76E-01 | 0.026 | 0.023 | 1.12 | 0.67 | -1.88 | 7.24E-07 | 0.043 | 0.021 | 2.12 | 1.32 | -3.41 | 1.96 | 6.77E-03 | LINC01372(dist=517385), LOC102723427(dist=162843) | intergenic |
| 10 | 50810891 | T | C | rs11101179 | 6.17E-05 | 0.089 | 0.045 | 2.05 | 1.5 | -2.79 | 9.35E-01 | 0.078 | 0.085 | 0.91 | 0.64 | -1.29 | 1.50 | 6.78E-03 | ERCC6-PGBD3(dist=63307), CHAT7(dist=6250) | intergenic |
| 2 | 58979401 | C | A | rs116794791 | 5.97E-01 | 0.030 | 0.027 | 1.15 | 0.71 | -1.85 | 3.14E-05 | 0.069 | 0.041 | 1.75 | 1.2 | -2.55 | 1.69 | 6.79E-03 | LINC01122 | ncRNA_intronic |
| 4 | 125411255 | G | A | rs115561049 | 5.62E-05 | 0.127 | 0.085 | 1.57 | 1.22 | -2.03 | 5.30E-01 | 0.091 | 0.095 | 0.96 | 0.69 | -1.32 | 1.37 | 6.82E-03 | LINC01091(dist=559737), LOC101927087(dist=9842) | intergenic |
| 14 | 68824721 | G | C | rs12894080 | 2.50E-05 | 0.084 | 0.046 | 1.88 | 1.37 | -2.57 | 5.62E-01 | 0.059 | 0.069 | 0.85 | 0.57 | -1.26 | 1.57 | 6.82E-03 | RAD51B | intronic |
| 11 | 130545470 | G | A | rs116752730 | 6.26E-01 | 0.037 | 0.035 | 1.07 | 0.69 | -1.64 | 1.23E-05 | 0.055 | 0.030 | 1.86 | 1.22 | -2.84 | 1.80 | 6.84E-03 | C11orf44 | intronic |
| 20 | 53576185 | C | T | rs6123437 | 9.03E-01 | 0.170 | 0.163 | 1.05 | 0.84 | -1.3 | 1.67E-05 | 0.228 | 0.167 | 1.48 | 1.18 | -1.85 | 1.28 | 6.84E-03 | DOK5(dist=308475), LINC01441(dist=460689) | intergenic |
| 15 | 62104327 | G | T | rs73426771 | 2.67E-05 | 0.050 | 0.026 | 2.01 | 1.34 | -3.02 | 4.46E-01 | 0.021 | 0.026 | 0.82 | 0.43 | -1.57 | 1.77 | 6.86E-03 | RORA(dist=582825), VPS13C(dist=40263) | intergenic |
| 19 | 52797969 | A | G | rs74670592 | 9.56E-01 | 0.109 | 0.107 | 1.03 | 0.79 | -1.33 | 4.77E-05 | 0.162 | 0.105 | 1.65 | 1.28 | -2.14 | 1.33 | 6.87E-03 | ZNF766(dist=1993), ZNF480(dist=2453) | intergenic |
| 8 | 28994508 | G | A | rs112780567 | 8.42E-01 | 0.030 | 0.031 | 0.96 | 0.6 | -1.55 | 1.81E-05 | 0.052 | 0.025 | 2.10 | 1.36 | -3.25 | 1.95 | 6.93E-03 | KIF13B | intronic |
| 2 | 69676058 | G | A | rs115914212 | 6.65E-03 | 0.016 | 0.026 | 0.59 | 0.31 | -1.11 | 1.62E-06 | 0.056 | 0.038 | 1.47 | 0.97 | -2.23 | 0.43 | 6.98E-03 | NFU1(dist=11298), AAK1(dist=9069) | intergenic |
| 4 | 2784424 | G | A | rs111807774 | 6.76E-01 | 0.075 | 0.073 | 1.03 | 0.75 | -1.4 | 1.51E-05 | 0.096 | 0.061 | 1.65 | 1.19 | -2.28 | 1.55 | 6.99E-03 | TNIP2(dist=26321), SH3BP2(dist=10326) | intergenic |
| 14 | 56882008 | C | A | rs79996380 | 6.94E-01 | 0.042 | 0.040 | 1.07 | 0.71 | -1.61 | 3.85E-05 | 0.056 | 0.025 | 2.32 | 1.52 | -3.55 | 1.66 | 7.01E-03 | PEL12(dist=113977), TMEM260(dist=164503) | intergenic |
| 10 | 56303319 | G | T | rs1219786 | 4.77E-05 | 0.054 | 0.099 | 1.95 | 1.38 | -2.76 | 6.99E-01 | 0.120 | 0.115 | 0.95 | 0.71 | -1.27 | 1.36 | 7.05E-03 | PCDH15 | intronic |
| 1 | 204967186 | A | T | rs35068223 | 8.82E-01 | 0.117 | 0.112 | 1.04 | 0.81 | -1.35 | 2.98E-05 | 0.163 | 0.116 | 1.47 | 1.14 | -1.9 | 1.38 | 7.06E-03 | NFASC | intronic |
| 10 | 74089364 | C | T | rs9415064 | 9.79E-01 | 0.150 | 0.134 | 1.14 | 0.91 | -1.44 | 5.71E-05 | 0.231 | 0.174 | 1.43 | 1.15 | -1.79 | 1.30 | 7.11E-03 | DDIT4(dist=53567), DNAJB12(dist=3224) | intergenic |
| 17 | 52177432 | A | G | rs143493092 | 2.57E-05 | 0.057 | 0.029 | 2.00 | 1.37 | -2.93 | 4.70E-01 | 0.037 | 0.041 | 0.90 | 0.55 | -1.47 | 1.63 | 7.12E-03 | KIF2B(dist=274859), TOM1L1(dist=800620) | intergenic |
| 4 | 16965779 | C | T | rs76249071 | 6.04E-05 | 0.147 | 0.100 | 1.56 | 1.23 | -1.97 | 6.03E-01 | 0.099 | 0.102 | 0.97 | 0.71 | -1.32 | 1.33 | 7.12E-03 | LD82(dist=65347), LOC101929123(dist=207601) | intergenic |
| 1 | 161853097 | T | G | rs7414603 | 5.23E-05 | 0.087 | 0.044 | 2.08 | 1.53 | -2.85 | 8.44E-01 | 0.066 | 0.073 | 0.90 | 0.62 | -1.31 | 1.46 | 7.19E-03 | ATF6 | intronic |
| 7 | 67325438 | A | T | rs144738368 | 6.92E-01 | 0.026 | 0.023 | 1.11 | 0.66 | -1.87 | 7.41E-07 | 0.043 | 0.021 | 2.12 | 1.32 | -3.41 | 1.95 | 7.23E-03 | LINC01372(dist=520426), LOC102723427(dist=159802) | intergenic |
| 15 | 83435440 | A | G | rs137885987 | 4.49E-01 | 0.028 | 0.033 | 0.84 | 0.51 | -1.37 | 2.10E-07 | 0.075 | 0.036 | 2.18 | 1.51 | -3.15 | 1.69 | 7.27E-03 | FSD2 | intronic |
| 15 | 94628996 | G | A | rs114423641 | 6.40E-01 | 0.045 | 0.044 | 1.02 | 0.69 | -1.51 | 5.32E-06 | 0.062 | 0.034 | 1.85 | 1.24 | -2.76 | 1.78 | 7.28E-03 | LINC01581 | ncRNA_intronic |
| 16 | 26429666 | C | T | rs12919702 | 5.25E-05 | 0.106 | 0.062 | 1.81 | 1.37 | -2.39 | 6.84E-01 | 0.077 | 0.087 | 0.87 | 0.62 | -1.24 | 1.40 | 7.32E-03 | HS3ST4(dist=280657), C16orf82(dist=648553) | ncRNA_intronic |
| 8 | 139211338 | C | T | rs115512919 | 9.47E-01 | 0.091 | 0.094 | 0.97 | 0.73 | -1.29 | 1.69E-05 | 0.133 | 0.076 | 1.88 | 1.42 | -2.5 | 1.37 | 7.32E-03 | FAM135B | intronic |
| 8 | 9177341 | A | T | rs75117099 | 6.77E-01 | 0.023 | 0.022 | 1.06 | 0.62 | -1.82 | 5.24E-05 | 0.047 | 0.022 | 2.21 | 1.4 | -3.5 | 1.88 | 7.33E-03 | LOC101929128(dist=116975), LOC157273(dist=5220) | intergenic |
| 1 | 30411209 | T | C | rs12080843 | 9.67E-01 | 0.340 | 0.345 | 0.98 | 0.83 | -1.16 | 3.48E-05 | 0.258 | 0.340 | 0.67 | 0.55 | -0.83 | 0.83 | 7.36E-03 | LOC101928460(dist=734583), LOC101929406(dist=75590) | intergenic |
| 2 | 77978288 | A | G | rs148276276 | 4.64E-01 | 0.024 | 0.030 | 0.81 | 0.48 | -1.36 | 1.12E-07 | 0.068 | 0.027 | 2.61 | 1.77 | -3.85 | 1.69 | 7.38E-03 | LOC101927967 | ncRNA_intronic |
| 15 | 83315860 | C | T | rs57217657 | 8.72E-01 | 0.255 | 0.265 | 0.95 | 0.79 | -1.15 | 1.34E-05 | 0.346 | 0.253 | 1.56 | 1.28 | -1.9 | 1.22 | 7.38E-03 | CPEB1 | intronic |
| 6 | 84721833 | C | T | rs149906956 | 5.88E-01 | 0.017 | 0.021 | 0.79 | 0.42 | -1.46 | 1.21E-06 | 0.053 | 0.022 | 2.49 | 1.61 | -3.84 | 1.98 | 7.42E-03 | CYB5R4(dist=51687), MRAP2(dist=21587) | intergenic |
| 3 | 4300803 | G | T | rs185176951 | 7.85E-01 | 0.024 | 0.022 | 1.13 | 0.66 | -1.92 | 3.84E-05 | 0.046 | 0.024 | 1.94 | 1.22 | -3.08 | 2.02 | 7.43E-03 | LRRN1(dist=411416), SETMAR(dist=44185) | intergenic |
| 17 | 52178066 | T | A | rs116712939 | 2.34E-05 | 0.057 | 0.029 | 2.00 | 1.37 | -2.93 | 4.49E-01 | 0.037 | 0.042 | 0.89 | 0.54 | -1.45 | 1.62 | 7.46E-03 | KIF2B(dist=275493), TOM1L1(dist=799986) | intergenic |
| 12 | 31286480 | T | C | rs3844572 | 6.62E-01 | 0.138 | 0.146 | 1.07 | 0.85 | -1.36 | 8.57E-06 | 0.229 | 0.151 | 0.60 | 0.48 | -0.75 | 0.77 | 7.46E-03 | DDX11(dist=28755), FAM60A(dist=147040) | intergenic |
| 15 | 60112588 | T | C | rs7183476 | 5.05E-05 | 0.043 | 0.024 | 1.88 | 1.22 | -2.88 | 7.59E-01 | 0.032 | 0.033 | 0.98 | 0.57 | -1.66 | 1.84 | 7.50E-03 | BNIP2(dist=130946), FOXB1(dist=183833) | intergenic |
| 12 | 106606870 | G | T | rs1236963 | 9.22E-01 | 0.127 | 0.124 | 0.97 | 0.76 | -1.24 | 5.70E-05 | 0.190 | 0.128 | 0.63 | 0.49 | -0.8 | 0.77 | 7.52E-03 | NUAK1(dist=73059), CKAP4(dist=24789) | intergenic |
| 2 | 236822295 | T | C | rs141788576 | 9.47E-01 | 0.029 | 0.030 | 0.98 | 0.61 | -1.59 | 5.99E-07 | 0.048 | 0.024 | 2.05 | 1.3 | -3.21 | 2.03 | 7.57E-03 | AGAP1 | intronic |
| 15 | 83246039 | G | A | rs114348642 | 3.09E-01 | 0.034 | 0.043 | 0.80 | 0.51 | -1.24 | 3.03E-09 | 0.081 | 0.040 | 2.11 | 1.48 | -3.01 | 1.69 | 7.62E-03 | CPEB1 | intronic |
| 6 | 165704050 | A | G | rs114107378 | 7.14E-01 | 0.050 | 0.047 | 1.07 | 0.74 | -1.56 | 4.35E-05 | 0.074 | 0.038 | 2.02 | 1.4 | -2.92 | 1.59 | 7.64E-03 | C6orf118 | intronic |
| 17 | 52176961 | G | A | rs79860372 | 2.96E-05 | 0.057 | 0.030 | 1.99 | 1.36 | -2.9 | 4.67E-01 | 0.037 | 0.041 | 0.90 | 0.55 | -1.46 | 1.62 | 7.64E-03 | KIF2B(dist=274388), TOM1L1(dist=801091) | intergenic |
| 17 | 52170992 | A | G | rs114092167 | 2.99E-05 | 0.057 | 0.030 | 1.99 | 1.36 | -2.9 | 4.67E-01 | 0.037 | 0.041 | 0.90 | 0.55 | -1.46 | 1.62 | 7.65E-03 | KIF2B(dist=268419), TOM1L1(dist=807060) | intergenic |
| 17 | 52172929 | G | T | rs115822520 | 2.98E-05 | 0.057 | 0.030 | 1.99 | 1.36 | -2.9 | 4.67E-01 | 0.037 | 0.041 | 0.90 | 0.55 | -1.46 | 1.62 | 7.66E-03 | KIF2B(dist=270356), TOM1L1(dist=805123) | intergenic |
| 15 | 83325128 | G | A | rs148181809 | 2.69E-01 | 0.031 | 0.039 | 0.78 | 0.49 | -1.23 | 1.61E-08 | 0.083 | 0.038 | 2.27 | 1.59 | -3.22 | 1.63 | 7.67E-03 | CPEB1-AS1 | ncRNA_intronic |
| 6 | 14044389 | G | A | rs142100118 | 4.69E-01 | 0.054 | 0.051 | 1.06 | 0.74 | -1.53 | 3.23E-05 | 0.064 | 0.037 | 1.78 | 1.2 | -2.63 | 1.70 | 7.71E-03 | RNF182(dist=64149), CD83(dist=73098) | intergenic |
| 9 | 91145941 | C | C | rs147865921 | 9.19E-01 | 0.055 | 0.056 | 0.98 | 0.69 | -1.4 | 1.06E-05 | 0.082 | 0.044 | 1.95 | 1.37 | -2.77 | 1.57 | 7.72E-03 | SPIN1(dist=52319), NXN2L2(dist=4075) | intergenic |
| 15 | 41167452 | C | T | rs114077707 | 5.51E-05 | 0.046 | 0.023 | 2.05 | 1.34 | -3.13 | 3.52E-01 | 0.020 | 0.025 | 0.82 | 0.43 | -1.59 | 1.89 | 7.81E-03 | RHOV | upstream |
| 18 | 308089 | T | C | rs647533 | 6.10E-05 | 0.505 | 0.418 | 1.42 | 1.21 | -1.67 | 5.35E-01 | 0.440 | 0.460 | 0.92 | 0.77 | -1.11 | 1.19 | 7.83E-03 | THOC1(dist=40030), COLEC12(dist=11266) | intergenic |
| 10 | 74125582 | A | G | rs9416019 | 9.53E-01 | 0.474 | 0.480 | 1.02 | 0.87 | -1.2 | 3.65E-05 | 0.415 | 0.505 | 1.44 | 1.19 | -1.74 | 1.20 | 7.92E-03 | DNAJB12(dist=10675), MICU1(dist=1502) | intergenic |
| 2 | 101283148 | A | C | rs149925093 | 6.95E-01 | 0.040 | 0.039 | 1.03 | 0.68 | -1.56 | 2.99E-05 | 0.060 | 0.037 | 1.67 | 1.12 | -2.49 | 1.90 | 7.94E-03 | PDCL3(dist=89947), NPAS2(dist=153465) | intergenic |
| 17 | 52191705 | A | G | rs144800298 | 3.20E-05 | 0.056 | 0.029 | 2.01 | 1.37 | -2.95 | 4.86E-01 | 0.037 | 0.041 | 0.90 | 0.55 | -1.48 | 1.62 | 7.94E-03 | KIF2B(dist=289132), TOM1L1(dist=786347) | intergenic |
| 7 | 38779688 | C | A | rs114020924 | 7.02E-01 | 0.042 | 0.040 | 1.07 | 0.71 | -1.6 | 5.84E-05 | 0.068 | 0.033 | 2.15 | 1.46 | -3.16 | 1.58 | 7.96E-03 | VPS41 | intronic |
| 1 | 84321093 | T | A | rs12137971 | 9.40E-01 | 0.120 | 0.119 | 1.01 | 0.79 | -1.3 | 4.24E-05 | 0.170 | 0.117 | 1.55 | 1.2 | -1.99 | 1.35 | 8.05E-03 | LOC101927560, LOC101927587, MIR548AP | ncRNA_intronic |
| 8 | 64101353 | C | T | rs9643559 | 8.44E-01 | 0.073 | 0.072 | 1.01 | 0.74 | -1.38 | 1.57E-06 | 0.115 | 0.064 | 1.92 | 1.42 | -2.59 | 1.42 | 8.06E-03 | YTHDF3 | intronic |
| 14 | 99376263 | G | A | rs148500814 | 4.1 | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 17 | 52178973 | T | G | rs143729739 | 3.68E-05 | 0.057 | 0.030 | 1.97 | 1.35 | -2.87 | 4.74E-01 | 0.037 | 0.041 | 0.90 | 0.55 | -1.47 | 1.61 | 8.22E-03 | KIF2B(dist=276400), TOM1L1(dist=799079) | intergenic |
| 17 | 52186979 | A | G | rs140074025 | 3.69E-05 | 0.057 | 0.030 | 1.97 | 1.35 | -2.87 | 4.74E-01 | 0.037 | 0.041 | 0.90 | 0.55 | -1.47 | 1.61 | 8.23E-03 | KIF2B(dist=284406), TOM1L1(dist=791073) | intergenic |
| 19 | 52796603 | T | C | rs113614116 | 9.75E-01 | 0.108 | 0.107 | 1.01 | 0.78 | -1.32 | 4.45E-05 | 0.162 | 0.105 | 1.65 | 1.28 | -2.14 | 1.32 | 8.27E-03 | ZNF766 | downstream |
| 4 | 70793480 | C | T | rs144005221 | 9.93E-01 | 0.028 | 0.027 | 1.02 | 0.62 | -1.68 | 1.56E-05 | 0.050 | 0.023 | 2.24 | 1.44 | -3.5 | 1.77 | 8.28E-03 | SULT1E1(dist=67610), CSN1S1(dist=3319) | intergenic |
| 12 | 31284616 | C | T | rs10771806 | 8.49E-01 | 0.161 | 0.167 | 1.04 | 0.84 | -1.3 | 3.56E-05 | 0.241 | 0.169 | 0.64 | 0.51 | -0.8 | 0.77 | 8.33E-03 | DDX11(dist=26891), FAM60A(dist=148904) | intergenic |
| 12 | 31288884 | G | T | rs4931444 | 7.55E-01 | 0.147 | 0.154 | 1.06 | 0.84 | -1.33 | 2.01E-05 | 0.230 | 0.154 | 0.61 | 0.49 | -0.76 | 0.77 | 8.34E-03 | DDX11(dist=31159), FAM60A(dist=144636) | intergenic |
| 8 | 60460074 | A | G | rs7357459 | 9.82E-01 | 0.225 | 0.229 | 1.02 | 0.84 | -1.24 | 8.05E-06 | 0.280 | 0.195 | 0.62 | 0.5 | -0.77 | 0.81 | 8.40E-03 | TOX(dist=428307), CA8(dist=641349) | intergenic |
| 9 | 71830193 | A | C | rs2252949 | 7.48E-01 | 0.155 | 0.149 | 0.96 | 0.76 | -1.2 | 5.7E-05 | 0.185 | 0.126 | 0.64 | 0.5 | -0.82 | 0.77 | 8.41E-03 | TJP2 | intronic |
| 6 | 53511224 | T | C | rs60969333 | 9.65E-01 | 0.027 | 0.024 | 1.15 | 0.7 | -1.91 | 4.48E-06 | 0.054 | 0.031 | 1.78 | 1.16 | -2.72 | 1.89 | 8.43E-03 | LINC01564(dist=15032), KLHL31(dist=1475) | intergenic |
| 1 | 60090449 | A | G | rs116539594 | 9.95E-01 | 0.087 | 0.089 | 0.98 | 0.73 | -1.3 | 4.44E-05 | 0.137 | 0.082 | 1.78 | 1.35 | -2.34 | 1.35 | 8.44E-03 | FGGY | intronic |
| 17 | 38990408 | T | C | rs116794251 | 7.24E-01 | 0.032 | 0.038 | 0.85 | 0.54 | -1.34 | 5.84E-06 | 0.074 | 0.034 | 2.25 | 1.55 | -3.26 | 1.60 | 8.47E-03 | TMEM99 | intronic |
| 4 | 92120935 | T | A | rs372856010;rs4692962 | 7.68E-01 | 0.367 | 0.365 | 1.01 | 0.85 | -1.19 | 1.18E-05 | 0.439 | 0.355 | 1.42 | 1.18 | -1.72 | 1.21 | 8.51E-03 | CCSER1 | intronic |
| 4 | 70764801 | C | A | rs72852625 | 9.98E-01 | 0.028 | 0.028 | 1.02 | 0.62 | -1.66 | 2.47E-05 | 0.051 | 0.024 | 2.23 | 1.43 | -3.45 | 1.74 | 8.54E-03 | SULT1E1(dist=38931), CSN1S1(dist=31998) | intergenic |
| 19 | 52795158 | C | T | rs77506493 | 9.54E-01 | 0.108 | 0.107 | 1.01 | 0.78 | -1.31 | 3.88E-05 | 0.161 | 0.104 | 1.65 | 1.28 | -2.14 | 1.32 | 8.54E-03 | ZNF766(NM_001010851:c.707C>T) | UTR3 |
| 2 | 151645633 | A | G | rs150165358 | 7.23E-01 | 0.024 | 0.025 | 0.96 | 0.56 | -1.62 | 5.28E-07 | 0.051 | 0.021 | 2.56 | 1.64 | -3.99 | 1.83 | 8.55E-03 | LOC101929282(dist=153762), RBM43(dist=459095) | intergenic |
| 3 | 7695991 | C | T | rs7613690 | 5.19E-01 | 0.029 | 0.027 | 1.07 | 0.66 | -1.74 | 6.44E-05 | 0.043 | 0.025 | 1.79 | 1.12 | -2.86 | 1.96 | 8.56E-03 | GRM7 | intronic |
| 6 | 91006371 | G | A | rs187164707 | 7.48E-01 | 0.019 | 0.021 | 0.90 | 0.5 | -1.62 | 2.66E-05 | 0.050 | 0.023 | 2.22 | 1.42 | -3.47 | 2.06 | 8.59E-03 | BACH2(NM_001170794:c.-287808C>T, NM_021813:c.-287808C>T) | UTR5 |
| 17 | 6869621 | T | C | rs116343500 | 6.58E-06 | 0.059 | 0.029 | 2.08 | 1.43 | -3.03 | 1.13E-01 | 0.016 | 0.026 | 0.62 | 0.3 | -1.28 | 1.67 | 8.62E-03 | KCNJ2(dist=523438), CASC17(dist=394294) | intergenic |
| 4 | 135579300 | A | G | rs116714880 | 8.57E-01 | 0.034 | 0.033 | 1.02 | 0.65 | -1.6 | 1.57E-05 | 0.060 | 0.032 | 1.95 | 1.3 | -2.92 | 1.70 | 8.66E-03 | PABPC4L(dist=456397), LINC00613(dist=1208838) | intergenic |
| 4 | 70790597 | C | T | rs111559189 | 9.70E-01 | 0.028 | 0.028 | 1.01 | 0.61 | -1.66 | 1.67E-05 | 0.051 | 0.024 | 2.24 | 1.44 | -3.47 | 1.75 | 8.70E-03 | SULT1E1(dist=64727), CSN1S1(dist=6202) | intergenic |
| 7 | 21992081 | T | C | rs10279289 | 8.28E-01 | 0.049 | 0.048 | 1.03 | 0.71 | -1.51 | 2.23E-05 | 0.069 | 0.033 | 2.15 | 1.47 | -3.16 | 1.56 | 8.71E-03 | CDC47L(dist=6539), RAPGEF5(dist=165827) | intergenic |
| 15 | 38816315 | C | T | rs116101311 | 4.86E-05 | 0.047 | 0.026 | 1.86 | 1.23 | -2.82 | 6.37E-01 | 0.031 | 0.035 | 0.90 | 0.53 | -1.54 | 1.83 | 8.74E-03 | RASGRP1 | intronic |
| 9 | 137411026 | C | G | rs73564046 | 7.46E-01 | 0.048 | 0.047 | 1.01 | 0.69 | -1.48 | 6.11E-05 | 0.067 | 0.033 | 2.09 | 1.42 | -3.07 | 1.58 | 8.77E-03 | RXRA(dist=78594), COL5A1(dist=122625) | intergenic |
| 18 | 21886948 | C | G | rs2337960 | 4.73E-01 | 0.049 | 0.046 | 1.08 | 0.74 | -1.58 | 6.47E-05 | 0.053 | 0.026 | 2.07 | 1.35 | -3.19 | 1.63 | 8.78E-03 | OSBPL1A | intronic |
| 9 | 80116661 | C | T | rs62571537 | 3.65E-06 | 0.058 | 0.026 | 2.28 | 1.55 | -3.34 | 4.42E-01 | 0.036 | 0.046 | 0.78 | 0.48 | -1.29 | 1.70 | 8.78E-03 | GNA14-AS1 | ncRNA_intronic |
| 4 | 135583812 | G | A | rs142983573 | 8.51E-01 | 0.034 | 0.033 | 1.03 | 0.65 | -1.61 | 1.89E-05 | 0.060 | 0.032 | 1.94 | 1.3 | -2.92 | 1.69 | 8.80E-03 | PABPC4L(dist=460909), LINC00613(dist=1204326) | intergenic |
| 6 | 55058551 | G | A | rs138388179 | 7.87E-01 | 0.026 | 0.025 | 1.04 | 0.62 | -1.74 | 4.12E-05 | 0.048 | 0.023 | 2.13 | 1.36 | -3.36 | 1.94 | 8.81E-03 | HCRTR2 | intronic |
| 19 | 52796044 | A | G | rs10413233 | 9.50E-01 | 0.108 | 0.107 | 1.01 | 0.78 | -1.31 | 4.20E-05 | 0.162 | 0.105 | 1.65 | 1.28 | -2.14 | 1.32 | 8.82E-03 | ZNF766 | downstream |
| 15 | 87386455 | C | T | rs78168219 | 4.17E-05 | 0.068 | 0.041 | 1.70 | 1.21 | -2.38 | 5.46E-01 | 0.039 | 0.043 | 0.90 | 0.56 | -1.46 | 1.61 | 8.83E-03 | AGBL1 | intronic |
| 7 | 38781558 | C | T | rs80031278 | 7.31E-01 | 0.042 | 0.040 | 1.06 | 0.7 | -1.59 | 5.91E-05 | 0.068 | 0.033 | 2.15 | 1.46 | -3.16 | 1.57 | 8.83E-03 | VP541 | intronic |
| 7 | 124940614 | A | G | rs114834624 | 6.75E-01 | 0.029 | 0.026 | 1.10 | 0.67 | -1.8 | 3.02E-06 | 0.041 | 0.021 | 2.03 | 1.25 | -3.3 | 2.00 | 8.85E-03 | LOC101928283 | ncRNA_intronic |
| 1 | 30411185 | C | T | rs12077537 | 9.32E-01 | 0.345 | 0.347 | 0.99 | 0.84 | -1.18 | 2.88E-05 | 0.259 | 0.343 | 0.67 | 0.54 | -0.83 | 0.84 | 8.86E-03 | LOC101928460(dist=734559), LOC101929406(dist=75614) | intergenic |
| 6 | 84705373 | A | C | rs139032136 | 9.44E-01 | 0.029 | 0.031 | 0.93 | 0.57 | -1.51 | 1.93E-06 | 0.056 | 0.056 | 2.36 | 1.54 | -3.61 | 1.79 | 8.86E-03 | CYB5R4(dist=35227), MRAP2(dist=38047) | intergenic |
| 19 | 52793203 | G | A | rs10417958 | 9.51E-01 | 0.107 | 0.106 | 1.01 | 0.78 | -1.31 | 3.39E-05 | 0.158 | 0.102 | 1.65 | 1.27 | -2.14 | 1.33 | 8.89E-03 | ZNF766 | intronic |
| 4 | 70783153 | A | G | rs72852650 | 9.84E-01 | 0.028 | 0.028 | 1.01 | 0.62 | -1.66 | 2.27E-05 | 0.051 | 0.023 | 2.25 | 1.44 | -3.49 | 1.74 | 8.92E-03 | SULT1E1(dist=57283), CSN1S1(dist=13646) | intergenic |
| 8 | 12323247 | T | G | rs741805 | 3.87E-05 | 0.153 | 0.099 | 1.65 | 1.31 | -2.09 | 4.34E-01 | 0.111 | 0.127 | 0.86 | 0.64 | -1.15 | 1.32 | 8.94E-03 | ERICH1-AS1(dist=145470), LOC286083(dist=11047) | intergenic |
| 8 | 60445734 | A | G | rs2139231 | 9.93E-01 | 0.060 | 0.057 | 0.94 | 0.67 | -1.33 | 5.01E-05 | 0.123 | 0.079 | 0.61 | 0.46 | -0.82 | 0.69 | 8.98E-03 | TOX(dist=413967), CA8(dist=655689) | intergenic |
| 17 | 52170552 | C | G | rs145087294 | 4.14E-05 | 0.057 | 0.030 | 1.96 | 1.34 | -2.86 | 4.64E-01 | 0.037 | 0.041 | 0.89 | 0.55 | -1.46 | 1.60 | 9.00E-03 | KIF2B(dist=267979), TOM1L1(dist=807500) | intergenic |
| 5 | 30360173 | C | T | rs181958178 | 9.64E-01 | 0.041 | 0.042 | 0.98 | 0.65 | -1.48 | 1.16E-05 | 0.061 | 0.032 | 1.96 | 1.31 | -2.93 | 1.71 | 9.09E-03 | LINC01929681(dist=964090), CDH6(dist=833589) | intergenic |
| 7 | 54589183 | G | T | rs191680074 | 9.11E-01 | 0.039 | 0.041 | 0.94 | 0.62 | -1.43 | 2.07E-05 | 0.079 | 0.036 | 2.30 | 1.6 | -3.3 | 1.53 | 9.14E-03 | LINC01445(dist=171645), VSTM2A(dist=20835) | intergenic |
| 5 | 168581215 | C | T | rs145676500 | 8.32E-01 | 0.044 | 0.048 | 0.93 | 0.63 | -1.38 | 8.24E-06 | 0.075 | 0.040 | 1.97 | 1.37 | -2.84 | 1.61 | 9.15E-03 | SLIT3 | intronic |
| 4 | 101086247 | C | A | rs72686282 | 5.00E-05 | 0.068 | 0.031 | 2.27 | 1.59 | -3.24 | 4.76E-01 | 0.045 | 0.061 | 0.73 | 0.47 | -1.15 | 1.55 | 9.17E-03 | LOC256880(dist=127385), DDIT4L(dist=20780) | intergenic |
| 4 | 70774701 | T | C | rs72852645 | 9.84E-01 | 0.028 | 0.028 | 1.01 | 0.62 | -1.66 | 2.66E-05 | 0.051 | 0.024 | 2.22 | 1.43 | -3.45 | 1.73 | 9.25E-03 | SULT1E1(dist=48831), CSN1S1(dist=22098) | intergenic |
| 1 | 30411772 | T | C | rs536261431;rs1104698 | 9.18E-01 | 0.346 | 0.347 | 0.99 | 0.84 | -1.18 | 2.90E-05 | 0.260 | 0.343 | 0.67 | 0.54 | -0.83 | 0.84 | 9.25E-03 | LOC101928460(dist=735146), LOC101929406(dist=75027) | intergenic |
| 3 | 88820655 | A | T | rs76240016 | 9.50E-01 | 0.174 | 0.175 | 1.01 | 0.81 | -1.25 | 6.11E-05 | 0.231 | 0.181 | 0.73 | 0.59 | -0.92 | 0.75 | 9.27E-03 | C3orf38(dist=613540), EPHA3(dist=336019) | intergenic |
| 9 | 126929239 | C | T | rs75876406 | 3.06E-05 | 0.171 | 0.119 | 1.53 | 1.22 | -1.91 | 3.36E-01 | 0.100 | 0.111 | 0.90 | 0.66 | -1.22 | 1.31 | 9.29E-03 | LHX2(dist=133797), NEK6(dist=90646) | intergenic |
| 1 | 30411910 | C | A | rs12071310 | 9.13E-01 | 0.346 | 0.348 | 0.99 | 0.84 | -1.18 | 2.88E-05 | 0.260 | 0.344 | 0.67 | 0.54 | -0.83 | 0.84 | 9.36E-03 | LOC101928460(dist=735284), LOC101929406(dist=74889) | intergenic |
| 16 | 26461706 | C | A | rs72786065 | 2.34E-05 | 0.111 | 0.064 | 1.81 | 1.38 | -2.38 | 5.01E-01 | 0.076 | 0.089 | 0.84 | 0.59 | -1.2 | 1.38 | 9.39E-03 | HS3ST4(dist=312697), C16orf82(dist=616513) | intergenic |
| 19 | 44959866 | A | C | rs1734622 | 2.39E-05 | 0.184 | 0.119 | 1.67 | 1.34 | -2.08 | 3.62E-01 | 0.125 | 0.147 | 0.83 | 0.63 | -1.1 | 1.29 | 9.43E-03 | ZNF229(dist=7100), ZNF180(dist=18779) | intergenic |
| 14 | 22637972 | C | T | rs72686499 | 9.83E-01 | 0.131 | 0.126 | 1.05 | 0.82 | -1.34 | 5.74E-05 | 0.187 | 0.134 | 1.48 | 1.16 | -1.89 | 1.32 | 9.44E-03 | OR4E2(dist=503734), DAD1(dist=395835) | intergenic |
| 16 | 80819360 | G | C | rs139516475 | 9.01E-01 | 0.046 | 0.047 | 0.98 | 0.67 | -1.45 | 1.42E-05 | 0.073 | 0.039 | 1.93 | 1.33 | -2.79 | 1.57 | 9.46E-03 | CDYL2 | intronic |
| 4 | 79398347 | C | T | rs10001798 | 9.44E-01 | 0.087 | 0.076 | 1.16 | 0.86 | -1.55 | 5.89E-05 | 0.121 | 0.084 | 1.51 | 1.13 | -2.02 | 1.39 | 9.51E-03 | FRAS1 | intronic |
| 15 | 68627796 | C | G | rs76575969 | 8.11E-01 | 0.050 | 0.055 | 0.91 | 0.63 | -1.31 | 2.26E-05 | 0.095 | 0.052 | 1.91 | 1.38 | -2.65 | 1.50 | 9.60E-03 | ITGA11 | intronic |
| 4 | 94686582 | A | C | rs13106656 | 7.26E-01 | 0.025 | 0.022 | 0.84 | 0.5 | -1.43 | 3.31E-05 | 0.044 | 0.029 | 0.64 | 0.4 | -1.01 | 0.49 | 9.63E-03 | GRID2 | intronic |
| 2 | 237586813 | G | A | rs149077843 | 7.43E-01 | 0.040 | 0.039 | 1.03 | 0.68 | -1.56 | 5.79E-08 | 0.047 | 0.023 | 2.12 | 1.35 | -3.36 | 1.80 | 9.69E-03 | ACKR3(dist=95819), COPS8(dist=407271) | intergenic |
| 13 | 97599048 | C | T | rs112262185 | 8.82E-01 | 0.035 | 0.037 | 0.96 | 0.62 | -1.49 | 6.00E-06 | 0.057 | 0.028 | 2.10 | 1.38 | -3.19 | 1.69 | 9.70E-03 | LINC00359 | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 6 | 84714645 | T | A | rs143280776 | 9.59E-01 | 0.027 | 0.029 | 0.93 | 0.56 | -1.54 | 1.03E-05 | 0.056 | 0.026 | 2.23 | 1.46 | -3.4 | 1.79 | 1.00E-02 | CYB5R4(dist=44499), MRAP2(dist=28775) | intergenic |
| 10 | 66811630 | C | T | rs185147851 | 9.45E-01 | 0.038 | 0.038 | 0.99 | 0.65 | -1.53 | 5.94E-05 | 0.067 | 0.032 | 2.13 | 1.45 | -3.14 | 1.62 | 1.00E-02 | ANXA2P3(dist=224996), LINC01515(dist=519553) | intergenic |
| 6 | 43664960 | G | C | rs138608909 | 3.33E-05 | 0.102 | 0.067 | 1.58 | 1.2 | -2.1 | 4.07E-01 | 0.044 | 0.049 | 0.89 | 0.56 | -1.4 | 1.50 | 1.01E-02 | MRPS18A(dist=9411), VEGFA(dist=72986) | intergenic |
| 17 | 38986213 | G | A | rs115976837 | 7.16E-01 | 0.032 | 0.038 | 0.85 | 0.54 | -1.33 | 7.26E-06 | 0.073 | 0.034 | 2.23 | 1.54 | -3.24 | 1.59 | 1.01E-02 | TMEM99 | intronic |
| 19 | 52791381 | C | A | rs10416290 | 9.90E-01 | 0.177 | 0.176 | 1.00 | 0.81 | -1.24 | 1.82E-05 | 0.235 | 0.167 | 1.52 | 1.22 | -1.91 | 1.26 | 1.01E-02 | ZNF766 | intronic |
| 10 | 84459237 | G | A | rs1813838 | 9.46E-01 | 0.034 | 0.031 | 1.10 | 0.7 | -1.74 | 3.54E-05 | 0.055 | 0.030 | 1.88 | 1.24 | -2.87 | 1.86 | 1.01E-02 | NR3 | intronic |
| 17 | 52169224 | C | T | rs181372508 | 5.18E-05 | 0.057 | 0.030 | 1.94 | 1.33 | -2.83 | 4.60E-01 | 0.037 | 0.042 | 0.89 | 0.55 | -1.46 | 1.59 | 1.01E-02 | KIF2B(dist=266651), TOM1L1(dist=808828) | intergenic |
| 4 | 16991724 | C | T | rs147016112 | 3.67E-05 | 0.058 | 0.035 | 1.68 | 1.16 | -2.42 | 5.04E-01 | 0.031 | 0.035 | 0.89 | 0.52 | -1.52 | 1.77 | 1.02E-02 | LDB2(dist=91292), LOC101929123(dist=181656) | intergenic |
| 8 | 60460884 | T | C | rs2467606 | 8.55E-01 | 0.054 | 0.054 | 0.99 | 0.69 | -1.41 | 1.31E-05 | 0.113 | 0.068 | 0.57 | 0.42 | -0.78 | 0.69 | 1.02E-02 | TOX(dist=429117), CA8(dist=640539) | intergenic |
| 19 | 52793171 | G | A | rs10417937 | 9.42E-01 | 0.185 | 0.186 | 0.99 | 0.81 | -1.23 | 1.44E-05 | 0.242 | 0.174 | 1.52 | 1.22 | -1.89 | 1.26 | 1.02E-02 | ZNF766 | intronic |
| 10 | 68309012 | C | G | rs116846476 | 7.72E-01 | 0.033 | 0.030 | 1.10 | 0.69 | -1.74 | 4.29E-05 | 0.073 | 0.046 | 1.65 | 1.15 | -2.38 | 1.77 | 1.02E-02 | CTNNA3 | intronic |
| 12 | 31306264 | C | T | rs1844985 | 6.58E-01 | 0.156 | 0.165 | 1.07 | 0.86 | -1.34 | 1.17E-05 | 0.236 | 0.158 | 0.61 | 0.49 | -0.76 | 0.78 | 1.02E-02 | DDX11(dist=48539), FAM60A(dist=127256) | intergenic |
| 7 | 38786671 | C | G | rs116390160 | 7.75E-01 | 0.042 | 0.040 | 1.05 | 0.7 | -1.57 | 6.06E-05 | 0.068 | 0.033 | 2.15 | 1.46 | -3.16 | 1.55 | 1.02E-02 | VPS41 | intronic |
| 3 | 16590309 | A | T | rs73138692 | 1.46E-05 | 0.054 | 0.027 | 2.05 | 1.39 | -3.03 | 2.79E-01 | 0.022 | 0.029 | 0.76 | 0.4 | -1.43 | 1.66 | 1.02E-02 | LINC00690(dist=7429), DAZL(dist=37992) | intergenic |
| 15 | 33849528 | C | T | rs3829474 | 7.92E-01 | 0.134 | 0.133 | 1.01 | 0.79 | -1.28 | 1.56E-05 | 0.199 | 0.136 | 1.58 | 1.24 | -2 | 1.28 | 1.03E-02 | RYR3 | intronic |
| 7 | 124934685 | T | C | rs57609493 | 7.06E-01 | 0.029 | 0.027 | 1.09 | 0.67 | -1.77 | 4.15E-06 | 0.042 | 0.021 | 2.00 | 1.23 | -3.25 | 1.98 | 1.03E-02 | LOC101928283 | ncRNA_intronic |
| 7 | 38786949 | T | A | rs114639121 | 7.78E-01 | 0.042 | 0.040 | 1.04 | 0.69 | -1.57 | 6.08E-05 | 0.068 | 0.033 | 2.15 | 1.46 | -3.16 | 1.55 | 1.03E-02 | VPS41 | intronic |
| 3 | 16590334 | G | A | rs73138694 | 1.27E-05 | 0.054 | 0.027 | 2.06 | 1.39 | -3.05 | 2.64E-01 | 0.022 | 0.028 | 0.75 | 0.4 | -1.43 | 1.66 | 1.04E-02 | LINC00690(dist=7454), DAZL(dist=37967) | intergenic |
| 1 | 53910444 | G | A | rs146667529 | 9.18E-01 | 0.025 | 0.027 | 0.90 | 0.53 | -1.52 | 3.22E-05 | 0.054 | 0.023 | 2.36 | 1.53 | -3.64 | 1.72 | 1.04E-02 | SLC25A3P1(dist=4751), DMRTB1(dist=14628) | intergenic |
| 1 | 53910997 | G | A | rs146013270 | 9.18E-01 | 0.025 | 0.027 | 0.90 | 0.53 | -1.52 | 3.25E-05 | 0.054 | 0.023 | 2.36 | 1.53 | -3.64 | 1.72 | 1.05E-02 | SLC25A3P1(dist=5304), DMRTB1(dist=14075) | intergenic |
| 1 | 53910947 | A | T | rs149107362 | 9.17E-01 | 0.025 | 0.027 | 0.90 | 0.53 | -1.52 | 3.25E-05 | 0.054 | 0.023 | 2.36 | 1.53 | -3.64 | 1.72 | 1.05E-02 | SLC25A3P1(dist=5254), DMRTB1(dist=14125) | intergenic |
| 15 | 83246886 | T | C | rs8028363 | 6.10E-01 | 0.246 | 0.262 | 0.92 | 0.76 | -1.11 | 3.09E-06 | 0.337 | 0.242 | 1.59 | 1.31 | -1.95 | 1.21 | 1.05E-02 | CPEB1 | intronic |
| 12 | 84451716 | G | A | rs115357944 | 7.71E-01 | 0.019 | 0.021 | 0.88 | 0.49 | -1.6 | 5.03E-05 | 0.051 | 0.022 | 2.37 | 1.52 | -3.7 | 1.77 | 1.05E-02 | TMTCC2(dist=923649), SLC6A15(dist=801551) | intergenic |
| 6 | 133593583 | C | T | rs79248628 | 3.73E-05 | 0.124 | 0.084 | 1.54 | 1.19 | -1.99 | 5.79E-01 | 0.082 | 0.085 | 0.96 | 0.68 | -1.34 | 1.37 | 1.05E-02 | EYA4 | intronic |
| 18 | 6733041 | C | T | rs9949697 | 8.54E-01 | 0.114 | 0.118 | 0.96 | 0.74 | -1.24 | 8.57E-06 | 0.146 | 0.094 | 1.65 | 1.26 | -2.16 | 1.35 | 1.05E-02 | LINC01387(dist=142389), ARHGAP28(dist=101391) | intergenic |
| 1 | 53912803 | C | T | rs114018740 | 9.17E-01 | 0.025 | 0.027 | 0.90 | 0.53 | -1.52 | 3.34E-05 | 0.054 | 0.024 | 2.36 | 1.53 | -3.63 | 1.72 | 1.06E-02 | SLC25A3P1(dist=7110), DMRTB1(dist=12269) | intergenic |
| 17 | 3763434 | G | A | rs386794673;rs73974141 | 6.48E-01 | 0.092 | 0.090 | 1.02 | 0.77 | -1.35 | 5.20E-05 | 0.103 | 0.066 | 1.62 | 1.18 | -2.21 | 1.45 | 1.06E-02 | CAMKK1 | downstream |
| 12 | 53855753 | A | C | rs75094421 | 9.11E-01 | 0.030 | 0.031 | 0.94 | 0.58 | -1.52 | 2.30E-05 | 0.058 | 0.027 | 2.24 | 1.48 | -3.38 | 1.70 | 1.06E-02 | PCBP2 | intronic |
| 14 | 63658934 | G | A | rs79163370 | 6.81E-01 | 0.053 | 0.059 | 0.90 | 0.63 | -1.29 | 7.12E-06 | 0.101 | 0.054 | 1.96 | 1.43 | -2.7 | 1.45 | 1.06E-02 | KCNH5(dist=146978), RHOJ(dist=12168) | intergenic |
| 13 | 106426186 | T | C | rs7699972 | 9.74E-01 | 0.087 | 0.091 | 0.96 | 0.72 | -1.28 | 4.74E-05 | 0.130 | 0.081 | 1.70 | 1.28 | -2.26 | 1.40 | 1.07E-02 | LINC00343(dist=12041), LINC00460(dist=602725) | intergenic |
| 1 | 53913443 | A | G | rs114225380 | 9.14E-01 | 0.025 | 0.027 | 0.90 | 0.53 | -1.51 | 3.36E-05 | 0.054 | 0.024 | 2.35 | 1.53 | -3.63 | 1.72 | 1.07E-02 | SLC25A3P1(dist=7750), DMRTB1(dist=11629) | intergenic |
| 3 | 166768513 | T | C | rs2203921 | 5.64E-05 | 0.194 | 0.133 | 0.64 | 0.52 | -0.79 | 4.22E-01 | 0.136 | 0.153 | 1.14 | 0.87 | -1.5 | 0.79 | 1.09E-02 | BCHE(dist=1213260), ZBBX(dist=189564) | intergenic |
| 19 | 52790601 | G | A | rs10409722 | 9.59E-01 | 0.175 | 0.175 | 1.00 | 0.81 | -1.24 | 1.91E-05 | 0.233 | 0.166 | 1.53 | 1.22 | -1.91 | 1.26 | 1.09E-02 | ZNF766 | intronic |
| 12 | 53892538 | G | A | rs115522261 | 8.61E-01 | 0.030 | 0.032 | 0.93 | 0.58 | -1.49 | 1.28E-05 | 0.058 | 0.027 | 2.22 | 1.47 | -3.37 | 1.71 | 1.09E-02 | MAP3K12 | intronic |
| 18 | 6722050 | C | T | rs7239934 | 8.58E-01 | 0.119 | 0.123 | 0.97 | 0.75 | -1.24 | 9.27E-06 | 0.148 | 0.096 | 1.64 | 1.25 | -2.14 | 1.35 | 1.09E-02 | LINC01387(dist=131398), ARHGAP28(dist=112382) | intergenic |
| 1 | 15015417 | C | T | rs183187014 | 8.66E-01 | 0.023 | 0.023 | 1.00 | 0.58 | -1.72 | 2.99E-06 | 0.042 | 0.020 | 2.16 | 1.34 | -3.5 | 1.93 | 1.09E-02 | KAZN | intronic |
| 19 | 52790135 | G | A | rs76334374 | 9.69E-01 | 0.174 | 0.174 | 1.00 | 0.81 | -1.24 | 2.26E-05 | 0.233 | 0.167 | 1.52 | 1.22 | -1.9 | 1.26 | 1.09E-02 | ZNF766 | intronic |
| 12 | 31305317 | G | A | rs7314927 | 5.89E-01 | 0.165 | 0.176 | 1.08 | 0.87 | -1.34 | 9.93E-06 | 0.259 | 0.180 | 0.63 | 0.51 | -0.78 | 0.79 | 1.09E-02 | DDX11(dist=47592), FAM60A(dist=128203) | intergenic |
| 2 | 138325140 | A | G | rs115145862 | 9.58E-01 | 0.024 | 0.022 | 1.07 | 0.62 | -1.83 | 2.51E-06 | 0.045 | 0.022 | 2.03 | 1.27 | -3.25 | 1.94 | 1.10E-02 | THSD7B | intronic |
| 13 | 106422970 | G | A | rs73573184 | 9.74E-01 | 0.091 | 0.095 | 0.96 | 0.72 | -1.27 | 2.21E-05 | 0.132 | 0.080 | 1.76 | 1.33 | -2.33 | 1.37 | 1.11E-02 | LINC00343(dist=8825), LINC00460(dist=605941) | intergenic |
| 15 | 83245053 | T | C | rs60160189 | 5.92E-01 | 0.246 | 0.263 | 0.92 | 0.76 | -1.11 | 3.03E-06 | 0.337 | 0.242 | 1.59 | 1.31 | -1.94 | 1.21 | 1.11E-02 | CPEB1 | intronic |
| 1 | 85602412 | T | C | rs1870327 | 8.76E-01 | 0.422 | 0.427 | 0.98 | 0.83 | -1.16 | 4.62E-05 | 0.315 | 0.400 | 0.69 | 0.56 | -0.84 | 0.84 | 1.12E-02 | MIR4423(dist=2856), SYDE2(dist=20944) | intergenic |
| 8 | 60467072 | C | G | rs66506970 | 8.46E-01 | 0.055 | 0.055 | 1.01 | 0.71 | -1.45 | 1.32E-05 | 0.112 | 0.068 | 1.73 | 1.28 | -2.34 | 1.44 | 1.12E-02 | TOX(dist=435305), CA8(dist=634351) | intergenic |
| 2 | 77990452 | C | G | rs114779192 | 4.21E-01 | 0.023 | 0.029 | 0.79 | 0.46 | -1.35 | 6.02E-07 | 0.066 | 0.027 | 2.52 | 1.7 | -3.74 | 1.66 | 1.13E-02 | LOC101927967 | ncRNA_intronic |
| 6 | 104478006 | G | A | rs114379819 | 9.02E-01 | 0.031 | 0.032 | 0.97 | 0.61 | -1.54 | 3.15E-05 | 0.057 | 0.024 | 2.48 | 1.63 | -3.78 | 1.69 | 1.13E-02 | GRIK2(dist=1960048), HACE1(dist=697962) | intergenic |
| 16 | 26465489 | G | A | rs62030885 | 1.82E-05 | 0.117 | 0.068 | 1.82 | 1.39 | -2.38 | 3.68E-01 | 0.076 | 0.092 | 0.81 | 0.57 | -1.15 | 1.35 | 1.13E-02 | HS3ST4(dist=316480), C16orf82(dist=612730) | intergenic |
| 5 | 2898140 | C | T | rs148609588 | 7.90E-01 | 0.038 | 0.038 | 1.00 | 0.65 | -1.53 | 6.95E-06 | 0.052 | 0.025 | 2.13 | 1.38 | -3.3 | 1.69 | 1.14E-02 | C5orf38(dist=142629), LINC01377(dist=279809) | intergenic |
| 13 | 106423845 | G | T | rs61693967 | 9.96E-01 | 0.093 | 0.096 | 0.96 | 0.73 | -1.27 | 3.09E-05 | 0.133 | 0.081 | 1.74 | 1.32 | -2.31 | 1.37 | 1.14E-02 | LINC00343(dist=9700), LINC00460(dist=605066) | intergenic |
| 17 | 38958085 | G | A | rs74789156 | 6.65E-01 | 0.033 | 0.039 | 0.84 | 0.53 | -1.31 | 8.47E-06 | 0.072 | 0.034 | 2.22 | 1.53 | -3.23 | 1.59 | 1.14E-02 | KRT28(dist=1874), KRT10(dist=16284) | intergenic |
| 19 | 6959356 | C | T | rs12019130 | 9.50E-01 | 0.094 | 0.098 | 0.96 | 0.73 | -1.27 | 2.48E-05 | 0.134 | 0.086 | 1.65 | 1.25 | -2.17 | 1.39 | 1.14E-02 | ADGRE4P | ncRNA_intronic |
| 12 | 53848040 | C | A | rs79796127 | 8.87E-01 | 0.029 | 0.031 | 0.94 | 0.58 | -1.52 | 2.45E-05 | 0.058 | 0.027 | 2.23 | 1.48 | -3.38 | 1.69 | 1.14E-02 | PCBP2 | intronic |
| 2 | 85922468 | T | C | rs6732835 | 9.30E-01 | 0.041 | 0.043 | 0.95 | 0.63 | -1.43 | 2.99E-06 | 0.065 | 0.029 | 2.27 | 1.53 | -3.37 | 1.59 | 1.14E-02 | GNLY | exonic |
| 12 | 31290802 | C | T | rs2639070 | 5.81E-01 | 0.138 | 0.148 | 1.09 | 0.86 | -1.37 | 1.18E-05 | 0.226 | 0.150 | 0.60 | 0.48 | -0.76 | 0.78 | 1.15E-02 | DDX11(dist=33077), FAM60A(dist=142718) | intergenic |
| 16 | 26463332 | C | A | rs62030881 | 1.99E-05 | 0.113 | 0.066 | 1.81 | 1.38 | -2.38 | 4.01E-01 | 0.074 | 0.089 | 0.82 | 0.57 | -1.17 | 1.36 | 1.16E-02 | HS3ST4(dist=314323), C16orf82(dist=614887) | intergenic |
| 8 | 60309679 | C | T | rs1464252 | 9.23E-01 | 0.050 | 0.051 | 1.00 | 0.69 | -1.46 | 5.82E-05 | 0.080 | 0.040 | 0.49 | 0.34 | -0.69 | 0.67 | 1.16E-02 | TOX(dist=277912), CA8(dist=791744) | intergenic |
| 4 | 158543178 | T | C | rs13146420 | 4.78E-05 | 0.377 | 0.298 | 0.70 | 0.59 | -0.83 | 3.62E-01 | 0.308 | 0.332 | 1.12 | 0.91 | -1.37 | 0.83 | 1.16E-02 | LOC340017(dist=45875), FAM198B(dist=502554) | intergenic |
| 2 | 77978932 | C | G | rs141301049 | 4.65E-01 | 0.024 | 0.030 | | | | | | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 4 | 2775411 | G | A | rs200251613;rs71608237 | 7.75E-01 | 0.033 | 0.033 | 1.00 | 0.63 | -1.57 | 1.86E-07 | 0.065 | 0.039 | 1.71 | 1.16 | -2.53 | 1.82 | 1.20E-02 | TNIP2(dist=17308), SH3BP2(dist=19339) | intergenic |
| 7 | 81819666 | T | C | rs10280131 | 9.74E-01 | 0.052 | 0.055 | 0.93 | 0.65 | -1.35 | 4.12E-05 | 0.085 | 0.048 | 1.84 | 1.3 | -2.6 | 1.55 | 1.20E-02 | CACNA2D1 | intronic |
| 4 | 158552504 | T | A | rs2130671 | 3.96E-05 | 0.443 | 0.360 | 0.71 | 0.6 | -0.84 | 3.27E-01 | 0.357 | 0.380 | 1.10 | 0.91 | -1.34 | 0.84 | 1.21E-02 | LOC340017(dist=55201), FAM198B(dist=493228) | intergenic |
| 8 | 138294564 | C | T | rs73394999 | 8.80E-01 | 0.048 | 0.050 | 0.97 | 0.66 | -1.41 | 2.92E-05 | 0.073 | 0.036 | 2.10 | 1.45 | -3.05 | 1.50 | 1.21E-02 | KHDRBS3(dist=1634712), LOC101927915(dist=123780) | intergenic |
| 4 | 158553107 | A | T | rs1490528 | 2.67E-05 | 0.428 | 0.344 | 0.70 | 0.59 | -0.83 | 2.98E-01 | 0.339 | 0.364 | 1.12 | 0.92 | -1.36 | 0.84 | 1.21E-02 | LOC340017(dist=55804), FAM198B(dist=492625) | intergenic |
| 3 | 16590734 | A | T | rs73138699 | 1.30E-05 | 0.054 | 0.027 | 2.06 | 1.39 | -3.05 | 2.32E-01 | 0.021 | 0.028 | 0.73 | 0.38 | -1.39 | 1.64 | 1.21E-02 | LINC00690(dist=7854), DAZL(dist=37567) | intergenic |
| 15 | 79421687 | G | C | rs56155719 | 8.73E-01 | 0.203 | 0.211 | 0.95 | 0.78 | -1.17 | 2.79E-05 | 0.282 | 0.202 | 1.55 | 1.26 | -1.91 | 1.22 | 1.22E-02 | SNSGRF1(dist=38472), ANKRD34C-AS1(dist=62362) | intergenic |
| 1 | 203972230 | G | A | rs76082887 | 6.49E-01 | 0.101 | 0.098 | 1.03 | 0.78 | -1.35 | 5.33E-05 | 0.113 | 0.072 | 1.64 | 1.21 | -2.21 | 1.39 | 1.22E-02 | RASRF(dist=131950), LINC00303(dist=29345) | intergenic |
| 15 | 83183986 | C | A | rs185018922 | 6.84E-01 | 0.354 | 0.371 | 0.93 | 0.78 | -1.1 | 6.32E-06 | 0.422 | 0.329 | 1.49 | 1.23 | -1.8 | 1.21 | 1.23E-02 | GOLGA6L17P | ncRNA_intronic |
| 17 | 52205337 | G | A | rs140573807 | 5.84E-05 | 0.058 | 0.031 | 1.91 | 1.31 | -2.77 | 4.27E-01 | 0.038 | 0.042 | 0.88 | 0.54 | -1.44 | 1.57 | 1.23E-02 | KIF2B(dist=302764), TOM1L1(dist=772715) | intergenic |
| 4 | 158550609 | C | T | rs1387994 | 4.12E-05 | 0.442 | 0.360 | 0.71 | 0.6 | -0.84 | 3.29E-01 | 0.357 | 0.380 | 1.10 | 0.91 | -1.34 | 0.84 | 1.23E-02 | LOC340017(dist=53306), FAM198B(dist=495123) | intergenic |
| 8 | 19101715 | C | T | rs73667622 | 8.02E-01 | 0.081 | 0.083 | 0.97 | 0.72 | -1.31 | 4.61E-05 | 0.120 | 0.077 | 1.64 | 1.23 | -2.2 | 1.41 | 1.24E-02 | LOC100128993 | ncRNA_intronic |
| 6 | 29417571 | G | A | rs11968109 | 6.49E-01 | 0.076 | 0.083 | 0.91 | 0.67 | -1.23 | 1.04E-05 | 0.138 | 0.078 | 1.90 | 1.44 | -2.51 | 1.36 | 1.24E-02 | OR10C1(dist=8817), OR2H1(dist=8659) | intergenic |
| 20 | 8221672 | T | G | rs1474937 | 5.26E-01 | 0.355 | 0.368 | 1.06 | 0.89 | -1.26 | 8.16E-06 | 0.442 | 0.356 | 0.70 | 0.58 | -0.84 | 0.82 | 1.24E-02 | PLCB1 | intronic |
| 16 | 84416403 | C | G | rs1975948 | 6.93E-01 | 0.037 | 0.035 | 0.94 | 0.61 | -1.44 | 2.10E-05 | 0.049 | 0.028 | 0.56 | 0.36 | -0.86 | 0.55 | 1.24E-02 | ATP2C2 | intronic |
| 3 | 16590511 | C | T | rs76297927;rs386658882 | 1.27E-05 | 0.054 | 0.027 | 2.06 | 1.39 | -3.05 | 2.27E-01 | 0.021 | 0.028 | 0.72 | 0.38 | -1.39 | 1.64 | 1.25E-02 | LINC00690(dist=7631), DAZL(dist=37790) | intergenic |
| 4 | 92128474 | G | A | rs4482729 | 5.06E-01 | 0.375 | 0.382 | 0.97 | 0.82 | -1.15 | 5.03E-06 | 0.468 | 0.369 | 1.51 | 1.25 | -1.82 | 1.18 | 1.25E-02 | CCSER1 | intronic |
| 17 | 15851655 | C | G | rs76392987 | 9.63E-01 | 0.038 | 0.040 | 0.95 | 0.62 | -1.45 | 4.64E-05 | 0.071 | 0.036 | 2.06 | 1.42 | -2.99 | 1.54 | 1.25E-02 | ADORA2B | intronic |
| 19 | 44959690 | T | C | rs431273 | 2.83E-05 | 0.177 | 0.114 | 1.67 | 1.33 | -2.08 | 2.92E-01 | 0.117 | 0.140 | 0.81 | 0.61 | -1.08 | 1.29 | 1.25E-02 | ZNF229(dist=6924), ZNF180(dist=18955) | intergenic |
| 4 | 70806476 | T | C | rs72852688 | 1.00E+00 | 0.029 | 0.029 | 1.01 | 0.62 | -1.64 | 5.43E-05 | 0.051 | 0.024 | 2.18 | 1.4 | -3.39 | 1.68 | 1.26E-02 | CSN1S1 | intronic |
| 4 | 70806612 | G | A | rs72852689 | 1.00E+00 | 0.029 | 0.029 | 1.01 | 0.62 | -1.64 | 5.45E-05 | 0.051 | 0.024 | 2.18 | 1.4 | -3.39 | 1.68 | 1.26E-02 | CSN1S1 | intronic |
| 3 | 25627428 | G | A | rs78932718 | 9.42E-01 | 0.064 | 0.068 | 0.94 | 0.68 | -1.31 | 5.20E-05 | 0.105 | 0.064 | 1.71 | 1.25 | -2.33 | 1.45 | 1.26E-02 | RARB | intronic |
| 10 | 36132217 | G | A | rs79512962 | 1.58E-05 | 0.044 | 0.023 | 1.96 | 1.28 | -3.01 | 1.09E-02 | 0.040 | 0.026 | 1.57 | 0.97 | -2.55 | 2.56 | 1.26E-02 | LINC01452(dist=42369), ANKRD30A(dist=1282568) | intergenic |
| 12 | 31300020 | G | C | rs10734797 | 6.84E-01 | 0.146 | 0.154 | 1.07 | 0.85 | -1.34 | 2.53E-05 | 0.227 | 0.152 | 0.61 | 0.49 | -0.77 | 0.79 | 1.26E-02 | DDX11(dist=42295), FAM60A(dist=133500) | intergenic |
| 6 | 29422516 | G | A | rs115047029 | 6.47E-01 | 0.075 | 0.083 | 0.91 | 0.67 | -1.23 | 1.03E-05 | 0.138 | 0.077 | 1.91 | 1.45 | -2.52 | 1.36 | 1.26E-02 | OR10C1(dist=13762), OR2H1(dist=3714) | intergenic |
| 12 | 95220573 | C | T | rs7316617 | 4.98E-05 | 0.549 | 0.482 | 0.76 | 0.65 | -0.9 | 2.80E-01 | 0.504 | 0.485 | 1.08 | 0.9 | -1.3 | 0.82 | 1.26E-02 | TMCC3(dist=176235), MIR492(dist=7601) | intergenic |
| 3 | 134829951 | A | G | rs114993576 | 5.44E-01 | 0.033 | 0.038 | 0.84 | 0.53 | -1.32 | 9.14E-07 | 0.069 | 0.032 | 2.22 | 1.52 | -3.26 | 1.65 | 1.26E-02 | EPHB1 | intronic |
| 9 | 21345866 | T | G | rs116748507 | 7.94E-01 | 0.023 | 0.025 | 0.93 | 0.54 | -1.6 | 4.04E-05 | 0.063 | 0.036 | 1.79 | 1.21 | -2.65 | 1.86 | 1.27E-02 | KLHL9(dist=10437), IFNA6(dist=4451) | intergenic |
| 10 | 70635524 | A | C | rs35259877 | 6.35E-01 | 0.039 | 0.039 | 1.01 | 0.66 | -1.53 | 1.33E-05 | 0.095 | 0.058 | 1.71 | 1.23 | -2.36 | 1.53 | 1.27E-02 | STOX1 | intronic |
| 4 | 158554149 | C | T | rs6854380 | 4.37E-05 | 0.443 | 0.361 | 0.71 | 0.6 | -0.84 | 3.29E-01 | 0.357 | 0.380 | 1.10 | 0.91 | -1.34 | 0.84 | 1.27E-02 | LOC340017(dist=56846), FAM198B(dist=491583) | intergenic |
| 4 | 92139269 | G | C | rs7696348 | 3.68E-01 | 0.465 | 0.483 | 0.93 | 0.79 | -1.09 | 1.91E-06 | 0.576 | 0.461 | 1.59 | 1.31 | -1.91 | 1.17 | 1.27E-02 | CCSER1 | intronic |
| 9 | 21168527 | T | C | rs114682990 | 8.58E-01 | 0.020 | 0.021 | 0.94 | 0.53 | -1.68 | 5.68E-05 | 0.061 | 0.035 | 1.78 | 1.2 | -2.66 | 1.87 | 1.27E-02 | IFNA21(dist=1868), IFNA4(dist=18091) | intergenic |
| 5 | 66021794 | T | G | rs57098301 | 6.42E-06 | 0.043 | 0.020 | 2.17 | 1.4 | -3.36 | 5.88E-01 | 0.024 | 0.027 | 0.86 | 0.47 | -1.59 | 1.76 | 1.28E-02 | MAST4 | intronic |
| 1 | 116411833 | G | A | rs4839049 | 5.00E-05 | 0.547 | 0.450 | 1.47 | 1.25 | -1.74 | 3.69E-01 | 0.514 | 0.486 | 0.89 | 0.74 | -1.08 | 1.19 | 1.28E-02 | NHLH2(dist=28086), LOC101928995(dist=501624) | intergenic |
| 1 | 231114340 | C | T | rs184909443 | 9.42E-01 | 0.049 | 0.049 | 0.99 | 0.68 | -1.45 | 5.46E-05 | 0.071 | 0.042 | 1.76 | 1.22 | -2.56 | 1.63 | 1.28E-02 | TTC13 | exonic |
| 21 | 27381999 | G | A | rs148188310 | 3.56E-06 | 0.101 | 0.055 | 1.93 | 1.44 | -2.57 | 1.28E-01 | 0.047 | 0.061 | 0.75 | 0.48 | -1.17 | 1.40 | 1.29E-02 | APP | intronic |
| 1 | 53921346 | C | T | rs115212518 | 8.62E-01 | 0.024 | 0.028 | 0.88 | 0.52 | -1.49 | 3.85E-05 | 0.054 | 0.024 | 2.33 | 1.51 | -3.58 | 1.69 | 1.29E-02 | SLC25A3P1(dist=15653), DMRTB1(dist=3726) | intergenic |
| 12 | 31271027 | A | C | rs10843885 | 9.45E-01 | 0.155 | 0.157 | 1.02 | 0.81 | -1.27 | 6.39E-05 | 0.185 | 0.132 | 0.67 | 0.53 | -0.86 | 0.75 | 1.29E-02 | DDX11(dist=13302), FAM60A(dist=162493) | intergenic |
| 1 | 203974031 | G | A | rs12086184 | 6.58E-01 | 0.101 | 0.099 | 1.03 | 0.78 | -1.35 | 5.83E-05 | 0.113 | 0.072 | 1.63 | 1.21 | -2.21 | 1.38 | 1.30E-02 | SNRPE(dist=133751), LINC00303(dist=27544) | intergenic |
| 11 | 10410265 | C | T | rs76828773 | 2.04E-05 | 0.062 | 0.034 | 1.86 | 1.3 | -2.66 | 3.58E-01 | 0.033 | 0.039 | 0.85 | 0.51 | -1.43 | 1.61 | 1.30E-02 | CAND1.11 | ncRNA_intronic |
| 3 | 16590278 | G | A | rs73136630 | 1.27E-05 | 0.054 | 0.027 | 2.06 | 1.39 | -3.05 | 2.22E-01 | 0.021 | 0.029 | 0.72 | 0.38 | -1.38 | 1.63 | 1.30E-02 | LINC00690(dist=7398), DAZL(dist=38023) | intergenic |
| 1 | 203973917 | T | G | rs12093405 | 6.60E-01 | 0.101 | 0.099 | 1.03 | 0.78 | -1.35 | 5.77E-05 | 0.113 | 0.072 | 1.63 | 1.21 | -2.21 | 1.38 | 1.30E-02 | SNRPE(dist=133637), LINC00303(dist=27658) | intergenic |
| 6 | 31054531 | G | A | rs73727813 | 9.82E-01 | 0.088 | 0.093 | 0.95 | 0.71 | -1.26 | 5.00E-05 | 0.032 | 0.077 | 0.40 | 0.24 | -0.67 | 0.73 | 1.30E-02 | HCG22(dist=26876), C6orf15(dist=24469) | intergenic |
| 9 | 22336864 | C | T | rs114658048 | 9.77E-01 | 0.030 | 0.031 | 0.96 | 0.59 | -1.55 | 3.17E-05 | 0.058 | 0.029 | 2.08 | 1.38 | -3.15 | 1.68 | 1.30E-02 | CDKN2B-AS1(dist=215771), DMRTA1(dist=109976) | intergenic |
| 2 | 45135864 | A | G | rs80062367 | 7.08E-01 | 0.094 | 0.095 | 0.99 | 0.75 | -1.31 | 5.02E-05 | 0.110 | 0.067 | 1.71 | 1.26 | -2.32 | 1.38 | 1.32E-02 | CAMKMT(dist=136133), SIX3-AS1(dist=31429) | intergenic |
| 9 | 21175983 | G | A | rs12351527 | 6.97E-01 | 0.022 | 0.025 | 0.89 | 0.52 | -1.55 | 4.21E-05 | 0.061 | 0.034 | 1.82 | 1.22 | -2.72 | 1.90 | 1.32E-02 | IFNA21(dist=9324), IFNA4(dist=10635) | intergenic |
| 2 | 85037529 | C | A | rs1192364 | 8.95E-01 | 0.344 | 0.352 | 0.96 | 0.81 | -1.14 | 5.65E-05 | 0.417 | 0.324 | 1.50 | 1.24 | -1.81 | 1.19 | 1.32E-02 | DNAH6 | intronic |
| 1 | 168861508 | G | A | rs1322501 | 5.35E-01 | 0.026 | 0.027 | 1.06 | 0.64 | -1.78 | 1.64E-05 | 0.069 | 0.038 | 0.54 | 0.37 | -0.78 | 0.60 | 1.32E-02 | LINC00626(dist=99382), LINC00970(dist=11635) | intergenic |
| 18 | 69243985 | C | G | rs34422476;rs9964817 | 6.87E-01 | 0.475 | 0.484 | 1.04 | 0.88 | -1.22 | 6.16E-05 | 0.536 | 0.443 | 0.69 | 0.57 | -0.83 | 0.84 | 1.32E-02 | LINC01541 | ncRNA_intronic |
| 7 | 21989288 | T | C | rs115339861 | 9.29E-01 | 0.048 | 0.047 | 1.01 | 0.69 | -1.48 | 3.43E-05 | 0.068 | 0.033 | 2.15 | 1.46 | -3.15 | 1.52 | 1.34E-02 | CDCA7L(dist=3746), RAPGEF5(dist=168620) | intergenic |
| 5 | 169150476 | G | C | rs60724222 | 8.37E-01 | 0.084 | 0.088 | 0.95 | 0.71 | -1.27 | 3.87E-05 | 0.118 | 0.067 | 1.85 | 1.38 | -2.49 | 1.36 | 1.35E-02 | DOCK2 | intronic |
| 4 | 92133421 | G | A | rs7696664 | 5.64E-01 | 0.365 | 0.368 | 0.98 | 0.83 | -1.17 | 1.11E-05 | 0.453 | 0.359 | 1.48 | 1.23 | -1.79 | 1.18 | 1.35E-02 | CCSER1 | intronic |
| 20 | 52038488 | G | A | rs67393385 | 9.64E-01 | 0.049 | 0.049 | 0.99 | 0.68 | -1.45 | 3.38E-05 | 0.074 | 0.041 | 1.89 | 1.31 | -2.72 | 1.50 | 1.36E-02 | TSHZ2 | intronic |
| 4 | 15309718 | C | T | rs74540303 | 8.11E-01 | 0.035 | 0.040 | 0.88 | 0.57 | -1.37 | 4.26E-05 | 0.071 | 0.037 | 2.01 | 1.38 | -2.93 | 1.60 | 1.36E-02 | LOC101929095 | ncRNA_intronic |
| 7 | 21987312 | C | G | rs114476014 | 9.27E-01 | 0.047 | 0.046 | 1.01 | 0.69 | -1.49 | 4.09E-05 | 0.068 | 0.033 | 2.14 | 1.46 | -3.15 | 1.51 | 1.37E-02 | CDCA7L(dist=1770), RAPGEF5(dist=170596) | intergenic |
| 4 | 34970248 | A | G | rs28600731 | 9.27E-01 | 0.230 | 0.226 | 1.02 | 0.84 | -1.24 | 6.27E-05 | 0.305 | 0.231 | 1.46 | 1.19 | -1.79 | 1.21 | 1.37E-02 | LINC01928622(dist=928733), ARAP2(dist=1097372) | intergenic |
| 2 | 58818401 | C | G | rs62142261 | 8.67E-01 | 0.0 | | | | | | | | | | | | | | |

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|----|-----------|---|---|--|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 104464079 | T | C | rs74690909 | 5.98E-01 | 0.039 | 0.039 | 1.00 | 0.65 | -1.52 | 2.98E-05 | 0.062 | 0.028 | 2.26 | 1.51 | -3.38 | 1.60 | 1.41E-02 | GRIK2(dist=1946121), HACE1(dist=711889) | intergenic |
| 6 | 107369463 | A | C | rs9400080 | 9.79E-01 | 0.184 | 0.190 | 1.04 | 0.84 | -1.28 | 2.47E-05 | 0.216 | 0.145 | 0.61 | 0.49 | -0.77 | 0.79 | 1.41E-02 | C6orf203 | intronic |
| 2 | 222535085 | G | A | rs78803378 | 9.44E-01 | 0.056 | 0.060 | 0.93 | 0.65 | -1.32 | 1.18E-05 | 0.082 | 0.044 | 1.96 | 1.38 | -2.78 | 1.47 | 1.42E-02 | EPHA4(dist=96163), PAX3(dist=529521) | intergenic |
| 12 | 27773226 | C | G | rs7297535 | 8.89E-01 | 0.117 | 0.118 | 1.00 | 0.77 | -1.28 | 2.85E-05 | 0.151 | 0.099 | 1.63 | 1.25 | -2.12 | 1.34 | 1.42E-02 | PPF1BP1 | intronic |
| 4 | 2775874 | G | A | rs13108696 | 7.63E-01 | 0.032 | 0.033 | 0.99 | 0.63 | -1.57 | 3.06E-07 | 0.063 | 0.038 | 1.72 | 1.16 | -2.55 | 1.79 | 1.42E-02 | TNIP2(dist=17771), SH3BP2(dist=18876) | intergenic |
| 3 | 16589373 | T | C | rs73136628 | 1.22E-05 | 0.053 | 0.026 | 2.07 | 1.4 | -3.07 | 2.09E-01 | 0.021 | 0.029 | 0.71 | 0.37 | -1.37 | 1.62 | 1.43E-02 | LINC00690(dist=6493), DAZL1(dist=38928) | intergenic |
| 12 | 31294004 | G | A | rs2639056 | 5.48E-01 | 0.139 | 0.150 | 1.09 | 0.86 | -1.38 | 1.58E-05 | 0.227 | 0.151 | 0.61 | 0.48 | -0.76 | 0.79 | 1.44E-02 | DDX11(dist=36279), FAM60A(dist=139516) | intergenic |
| 7 | 21985507 | C | A | rs191657039 | 9.31E-01 | 0.046 | 0.046 | 1.02 | 0.69 | -1.5 | 4.81E-05 | 0.068 | 0.033 | 2.14 | 1.46 | -3.14 | 1.51 | 1.44E-02 | CDCA7L | UTR5 |
| 17 | 68708504 | A | G | rs144773472 | 1.99E-05 | 0.054 | 0.025 | 2.20 | 1.48 | -3.26 | 1.15E-01 | 0.017 | 0.026 | 0.62 | 0.3 | -1.28 | 1.61 | 1.44E-02 | KCNJ2(dist=532321), CASC17(dist=385411) | intergenic |
| 6 | 39108006 | G | C | rs228816 | 7.97E-01 | 0.119 | 0.112 | 0.94 | 0.73 | -1.21 | 4.98E-05 | 0.189 | 0.140 | 0.70 | 0.55 | -0.89 | 0.77 | 1.44E-02 | SAYSD1(dist=25044), KCNK5(dist=48741) | intergenic |
| 14 | 97498654 | C | T | rs75908488 | 5.15E-05 | 0.038 | 0.021 | 1.82 | 1.16 | -2.88 | 6.78E-01 | 0.026 | 0.027 | 0.95 | 0.53 | -1.7 | 1.99 | 1.45E-02 | LINC00618(dist=86923), LOC101929241(dist=426499) | intergenic |
| 17 | 6035617 | G | A | rs28712872 | 8.70E-01 | 0.484 | 0.484 | 1.00 | 0.85 | -1.17 | 6.48E-05 | 0.568 | 0.485 | 0.72 | 0.59 | -0.86 | 0.85 | 1.48E-02 | WSCD1(dist=7870), AIP1(dist=291440) | intergenic |
| 6 | 32479512 | T | C | rs113327522 | 6.39E-05 | 0.053 | 0.087 | 0.59 | 0.42 | -0.84 | 1.10E-02 | 0.077 | 0.111 | 0.67 | 0.47 | -0.95 | 0.62 | 1.48E-02 | HLA-DRA(dist=66686), HLA-DRB5(dist=5642) | intergenic |
| 13 | 78872334 | G | A | rs77700655 | 6.63E-01 | 0.044 | 0.042 | 1.05 | 0.71 | -1.57 | 7.63E-06 | 0.058 | 0.034 | 1.76 | 1.17 | -2.65 | 1.62 | 1.49E-02 | RNF219-AS1 | ncRNA_intronic |
| 3 | 16588882 | C | A | rs73136626 | 1.27E-05 | 0.053 | 0.026 | 2.07 | 1.39 | -3.07 | 2.08E-01 | 0.021 | 0.029 | 0.71 | 0.37 | -1.37 | 1.62 | 1.49E-02 | LINC00690(dist=6002), DAZL1(dist=39419) | intergenic |
| 21 | 34323378 | C | T | rs8133266 | 9.70E-01 | 0.121 | 0.126 | 0.96 | 0.75 | -1.23 | 3.53E-05 | 0.150 | 0.104 | 1.52 | 1.16 | -1.98 | 1.36 | 1.49E-02 | C21orf62(dist=137325), OLIG2(dist=74838) | intergenic |
| 4 | 15330818 | T | C | rs76753296 | 8.26E-01 | 0.035 | 0.039 | 0.89 | 0.57 | -1.37 | 4.17E-05 | 0.069 | 0.036 | 2.01 | 1.37 | -2.93 | 1.60 | 1.49E-02 | LOC101929095 | ncRNA_intronic |
| 8 | 139207491 | C | T | rs5008950 | 9.47E-01 | 0.087 | 0.089 | 0.97 | 0.73 | -1.3 | 3.80E-05 | 0.124 | 0.073 | 1.80 | 1.34 | -2.4 | 1.34 | 1.50E-02 | FAM135B | intronic |
| 4 | 34967868 | G | T | rs6825756 | 8.09E-01 | 0.318 | 0.316 | 1.01 | 0.85 | -1.2 | 3.93E-05 | 0.413 | 0.329 | 1.43 | 1.18 | -1.73 | 1.18 | 1.50E-02 | LOC101928622(dist=926353), ARAP2(dist=1099752) | intergenic |
| 10 | 16570164 | C | G | rs11254056 | 8.32E-01 | 0.411 | 0.423 | 0.95 | 0.81 | -1.13 | 4.97E-05 | 0.487 | 0.386 | 1.51 | 1.25 | -1.82 | 1.18 | 1.50E-02 | C1QL3(dist=6160), RSU1(dist=62453) | intergenic |
| 3 | 195143259 | G | C | rs115369692 | 1.47E-05 | 0.059 | 0.035 | 1.73 | 1.2 | -2.49 | 1.75E-01 | 0.023 | 0.030 | 0.75 | 0.4 | -1.4 | 1.72 | 1.50E-02 | ACAP2 | intronic |
| 7 | 8161106 | T | C | rs73235836 | 8.97E-01 | 0.224 | 0.228 | 0.98 | 0.8 | -1.19 | 4.04E-05 | 0.282 | 0.214 | 1.45 | 1.18 | -1.79 | 1.23 | 1.50E-02 | ICA1 | intronic |
| 1 | 53893378 | A | T | rs77638930 | 8.84E-01 | 0.025 | 0.028 | 0.89 | 0.53 | -1.5 | 6.19E-05 | 0.053 | 0.023 | 2.32 | 1.5 | -3.58 | 1.67 | 1.50E-02 | LRP8(dist=99557), SLC25A3P1(dist=10665) | intergenic |
| 10 | 132209268 | C | G | rs7908858 | 3.83E-05 | 0.428 | 0.364 | 1.31 | 1.11 | -1.54 | 2.92E-01 | 0.376 | 0.390 | 0.94 | 0.78 | -1.14 | 1.21 | 1.51E-02 | GLRX3(dist=230622), MIR378C(dist=551583) | intergenic |
| 2 | 221740609 | T | C | rs11681257 | 7.17E-01 | 0.036 | 0.040 | 0.88 | 0.57 | -1.37 | 1.91E-06 | 0.062 | 0.032 | 1.98 | 1.33 | -2.95 | 1.68 | 1.51E-02 | MIR4268(dist=969323), EPHA4(dist=542138) | intergenic |
| 6 | 70935133 | G | A | rs115513529 | 9.34E-01 | 0.062 | 0.065 | 0.96 | 0.68 | -1.34 | 2.68E-05 | 0.095 | 0.050 | 1.99 | 1.43 | -2.76 | 1.42 | 1.51E-02 | COL9A1 | intronic |
| 3 | 16588717 | A | G | rs73136624 | 1.28E-05 | 0.053 | 0.026 | 2.07 | 1.39 | -3.07 | 2.08E-01 | 0.021 | 0.029 | 0.71 | 0.37 | -1.37 | 1.62 | 1.51E-02 | LINC00690(dist=5837), DAZL1(dist=39584) | intergenic |
| 13 | 83952933 | G | A | rs7983190 | 8.52E-01 | 0.204 | 0.205 | 0.99 | 0.81 | -1.22 | 3.34E-05 | 0.133 | 0.204 | 0.60 | 0.46 | -0.79 | 0.82 | 1.52E-02 | NONE(dist=NONE), SLITRK1(dist=498407) | intergenic |
| 5 | 2885685 | T | C | rs1874061 | 5.96E-01 | 0.284 | 0.301 | 0.92 | 0.77 | -1.1 | 2.97E-06 | 0.338 | 0.247 | 1.55 | 1.27 | -1.9 | 1.22 | 1.52E-02 | C5orf38(dist=130174), LINC01377(dist=292264) | intergenic |
| 15 | 87943268 | A | G | rs114703946 | 8.18E-01 | 0.029 | 0.030 | 0.97 | 0.6 | -1.58 | 2.92E-05 | 0.048 | 0.023 | 2.12 | 1.34 | -3.34 | 1.70 | 1.53E-02 | AGBL1(dist=370985), LINC00052(dist=176892) | intergenic |
| 14 | 101910147 | C | T | rs2401023 | 9.86E-01 | 0.087 | 0.076 | 0.87 | 0.65 | -1.16 | 1.65E-05 | 0.129 | 0.095 | 0.71 | 0.54 | -0.94 | 0.72 | 1.55E-02 | LINC00524(dist=35888), DIO3OS(dist=108413) | intergenic |
| 8 | 139219742 | C | T | rs114603662 | 9.40E-01 | 0.087 | 0.091 | 0.95 | 0.71 | -1.27 | 2.81E-05 | 0.122 | 0.071 | 1.83 | 1.37 | -2.45 | 1.35 | 1.56E-02 | FAM135B | intronic |
| 1 | 53937670 | G | A | rs114021475 | 8.27E-01 | 0.024 | 0.027 | 0.87 | 0.52 | -1.48 | 5.29E-05 | 0.054 | 0.025 | 2.28 | 1.49 | -3.5 | 1.66 | 1.56E-02 | DMRTB1(dist=4510), GLIS1(dist=34236) | intergenic |
| 16 | 86680578 | C | A | rs111527449 | 8.61E-01 | 0.033 | 0.030 | 1.11 | 0.7 | -1.75 | 5.76E-05 | 0.059 | 0.039 | 1.56 | 1.04 | -2.34 | 1.76 | 1.57E-02 | FOXL1(dist=65274), LOC440390(dist=410812) | intergenic |
| 4 | 34969798 | G | C | rs10016528 | 8.58E-01 | 0.327 | 0.324 | 1.01 | 0.85 | -1.21 | 5.80E-05 | 0.424 | 0.341 | 1.42 | 1.18 | -1.72 | 1.18 | 1.57E-02 | LOC101928622(dist=928283), ARAP2(dist=1097822) | intergenic |
| 3 | 88969387 | A | C | rs9828942;rs71618704 | 5.42E-01 | 0.063 | 0.062 | 0.99 | 0.71 | -1.38 | 9.51E-06 | 0.114 | 0.078 | 0.66 | 0.49 | -0.89 | 0.70 | 1.59E-02 | C3orf38(dist=762272), EPHA3(dist=187287) | intergenic |
| 10 | 17480856 | A | T | rs113162935 | 8.38E-01 | 0.039 | 0.042 | 0.91 | 0.6 | -1.39 | 1.27E-05 | 0.064 | 0.030 | 2.25 | 1.52 | -3.34 | 1.55 | 1.60E-02 | ST8SIA6 | intronic |
| 12 | 116432248 | C | T | rs77159726 | 7.45E-01 | 0.111 | 0.109 | 1.02 | 0.79 | -1.32 | 5.91E-05 | 0.062 | 0.116 | 0.50 | 0.34 | -0.74 | 0.78 | 1.62E-02 | MED13L | intronic |
| 2 | 78055723 | C | T | rs115174260 | 3.44E-01 | 0.027 | 0.033 | 0.79 | 0.48 | -1.3 | 4.23E-06 | 0.074 | 0.032 | 2.37 | 1.63 | -3.44 | 1.56 | 1.64E-02 | LOC101927967 | ncRNA_intronic |
| 8 | 60340936 | T | A | rs1474124 | 9.01E-01 | 0.041 | 0.043 | 1.04 | 0.69 | -1.57 | 5.80E-05 | 0.077 | 0.037 | 0.46 | 0.32 | -0.67 | 0.68 | 1.64E-02 | TOX(dist=309169), CA8(dist=760487) | intronic |
| 15 | 82509107 | T | G | rs28752301 | 7.26E-01 | 0.371 | 0.390 | 0.92 | 0.78 | -1.09 | 2.92E-05 | 0.441 | 0.341 | 1.53 | 1.27 | -1.85 | 1.17 | 1.64E-02 | EFTUD1 | intronic |
| 15 | 83232586 | T | C | rs17841176 | 5.22E-01 | 0.245 | 0.263 | 0.91 | 0.75 | -1.1 | 3.58E-06 | 0.330 | 0.238 | 1.58 | 1.29 | -1.93 | 1.20 | 1.64E-02 | CPFB1 | intronic |
| 2 | 207114680 | G | C | rs73069672 | 8.94E-01 | 0.028 | 0.028 | 1.01 | 0.62 | -1.65 | 2.28E-05 | 0.047 | 0.024 | 1.95 | 1.23 | -3.08 | 1.79 | 1.65E-02 | GPR1-AS | ncRNA_intronic |
| 4 | 92129503 | T | C | rs13116937 | 4.15E-01 | 0.485 | 0.502 | 0.93 | 0.79 | -1.1 | 6.61E-06 | 0.584 | 0.475 | 1.55 | 1.28 | -1.87 | 1.17 | 1.65E-02 | CCSER1 | intronic |
| 6 | 90700531 | A | G | rs79632797 | 6.70E-01 | 0.047 | 0.051 | 0.92 | 0.63 | -1.35 | 1.79E-05 | 0.089 | 0.054 | 1.71 | 1.22 | -2.4 | 1.64 | 1.65E-02 | BACH2 | intronic |
| 16 | 54028674 | C | T | rs13335576 | 7.95E-01 | 0.043 | 0.047 | 0.91 | 0.61 | -1.35 | 8.20E-06 | 0.069 | 0.036 | 2.00 | 1.37 | -2.92 | 1.57 | 1.65E-02 | FTO | intronic |
| 2 | 140854641 | C | G | rs10496832 | 7.90E-01 | 0.025 | 0.024 | 1.05 | 0.63 | -1.77 | 2.98E-05 | 0.042 | 0.020 | 2.09 | 1.29 | -3.39 | 1.77 | 1.67E-02 | YY1P2(dist=1197897), LRP1B(dist=134355) | intergenic |
| 6 | 107366736 | G | A | rs311248 | 9.33E-01 | 0.180 | 0.187 | 1.05 | 0.85 | -1.3 | 2.06E-05 | 0.215 | 0.143 | 0.61 | 0.48 | -0.77 | 0.80 | 1.67E-02 | C6orf203 | intronic |
| 2 | 47648403 | C | T | rs116011522 | 1.16E-05 | 0.084 | 0.051 | 1.69 | 1.24 | -2.3 | 1.35E-01 | 0.036 | 0.050 | 0.71 | 0.43 | -1.16 | 1.57 | 1.68E-02 | MSH2 | intronic |
| 16 | 81681747 | A | G | rs73598501 | 5.01E-01 | 0.100 | 0.110 | 0.90 | 0.69 | -1.18 | 6.54E-06 | 0.150 | 0.093 | 1.72 | 1.32 | -2.25 | 1.36 | 1.68E-02 | CMIP | intronic |
| 2 | 140855547 | A | A | rs16843295 | 7.93E-01 | 0.026 | 0.024 | 1.05 | 0.63 | -1.77 | 2.98E-05 | 0.042 | 0.020 | 2.09 | 1.29 | -3.39 | 1.77 | 1.69E-02 | YY1P2(dist=1198803), LRP1B(dist=133449) | intergenic |
| 2 | 140852939 | A | G | rs114149163 | 7.97E-01 | 0.025 | 0.024 | 1.05 | 0.62 | -1.77 | 2.94E-05 | 0.042 | 0.020 | 2.09 | 1.29 | -3.4 | 1.77 | 1.69E-02 | YY1P2(dist=1196195), LRP1B(dist=136057) | intergenic |
| 1 | 210995697 | C | T | rs4951640 | 1.92E-05 | 0.284 | 0.379 | 0.65 | 0.55 | -0.78 | 1.82E-01 | 0.375 | 0.342 | 1.15 | 0.95 | -1.4 | 0.85 | 1.70E-02 | KCNH1 | intronic |
| 1 | 241355462 | G | A | rs200061991;rs370386519;rs540401672;rs12563118 | 9.31E-01 | 0.045 | 0.043 | 1.05 | 0.71 | -1.55 | 6.86E-06 | 0.063 | 0.037 | 1.77 | 1.19 | -2.62 | 1.58 | 1.70E-02 | RGS7 | intronic |
| 2 | 140850934 | T | C | rs149036101 | 8.07E-01 | 0.025 | 0.024 | 1.05 | 0.62 | -1.76 | 2.84E-05 | 0.042 | 0.020 | 2.10 | 1.29 | -3.4 | 1.77 | 1.71E-02 | YY1P2(dist=1194190), LRP1B(dist=138062) | intergenic |
| 3 | 172187548 | T | C | rs9874429 | 3.71E-05 | 0.349 | 0.272 | 0.70 | 0.59 | -0.83 | 2.60E-01 | 0.275 | 0.296 | 1.11 | 0.9 | -1.37 | 0.84 | 1.71E-02 | GHSR(dist=21302), TNFSF10(dist=35750) | intergenic |
| 1 | 60104814 | T | C | rs74933689 | 7.44E-01 | 0.098 | 0.105 | 0.93 | 0.71 | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 6 | 70942319 | G | T | rs34119578 | 8.74E-01 | 0.062 | 0.065 | 0.94 | 0.67 | -1.32 | 2.45E-05 | 0.095 | 0.050 | 1.99 | 1.43 | -2.76 | 1.40 | 1.80E-02 | COL9A1 | exonic |
| 10 | 134699301 | A | T | rs45547444 | 5.74E-01 | 0.088 | 0.085 | 1.04 | 0.78 | -1.39 | 1.46E-05 | 0.156 | 0.113 | 1.46 | 1.12 | -1.89 | 1.36 | 1.80E-02 | CFAP46 | intronic |
| 13 | 106408226 | T | C | rs57334283 | 9.17E-01 | 0.114 | 0.116 | 0.97 | 0.75 | -1.26 | 5.03E-05 | 0.135 | 0.088 | 1.61 | 1.22 | -2.13 | 1.35 | 1.81E-02 | LINC00343 | ncRNA_intronic |
| 4 | 168220221 | T | C | rs73861968 | 9.87E-01 | 0.047 | 0.048 | 0.99 | 0.67 | -1.45 | 4.23E-05 | 0.070 | 0.043 | 1.68 | 1.16 | -2.44 | 1.54 | 1.81E-02 | SPOCK3(dist=64480), ANXA10(dist=793467) | intergenic |
| 4 | 158549747 | A | G | rs6814316 | 5.83E-05 | 0.423 | 0.342 | 0.71 | 0.6 | -0.84 | 2.98E-01 | 0.338 | 0.364 | 1.12 | 0.92 | -1.36 | 0.85 | 1.81E-02 | LOC340017(dist=52444), FAM198B(dist=495985) | intergenic |
| 2 | 132470190 | T | G | rs111411351 | 6.59E-01 | 0.075 | 0.084 | 0.88 | 0.65 | -1.2 | 1.32E-06 | 0.097 | 0.056 | 1.82 | 1.31 | -2.51 | 1.50 | 1.82E-02 | LINC01087(dist=63002), C2orf27A(dist=9874) | intergenic |
| 15 | 82573833 | A | G | rs3973890 | 4.16E-01 | 0.368 | 0.395 | 0.89 | 0.75 | -1.05 | 2.96E-06 | 0.452 | 0.340 | 1.60 | 1.32 | -1.93 | 1.17 | 1.82E-02 | SAXO2 | intronic |
| 2 | 132466984 | C | A | rs112722579 | 6.54E-01 | 0.075 | 0.084 | 0.88 | 0.65 | -1.2 | 1.33E-06 | 0.097 | 0.056 | 1.82 | 1.31 | -2.51 | 1.50 | 1.83E-02 | LINC01087(dist=59796), C2orf27A(dist=13080) | intergenic |
| 4 | 24988577 | G | A | rs73107507 | 4.51E-05 | 0.058 | 0.029 | 2.05 | 1.41 | -2.99 | 2.29E-01 | 0.026 | 0.034 | 0.75 | 0.42 | -1.35 | 1.53 | 1.84E-02 | CCDC149(dist=6751), LGI2(dist=11894) | intergenic |
| 9 | 119192516 | A | C | rs6478237 | 6.08E-01 | 0.168 | 0.175 | 1.06 | 0.85 | -1.31 | 1.47E-05 | 0.242 | 0.171 | 0.65 | 0.52 | -0.81 | 0.81 | 1.84E-02 | ASTN2 | intronic |
| 9 | 91147629 | A | G | rs7866060 | 8.15E-01 | 0.188 | 0.193 | 0.97 | 0.79 | -1.19 | 1.31E-05 | 0.249 | 0.181 | 1.50 | 1.21 | -1.87 | 1.25 | 1.87E-02 | SPIN1(dist=54007), NXNL2(dist=2387) | intergenic |
| 9 | 22521011 | T | C | rs114610603 | 6.62E-01 | 0.029 | 0.033 | 0.87 | 0.54 | -1.42 | 2.19E-05 | 0.062 | 0.029 | 2.23 | 1.49 | -3.33 | 1.59 | 1.87E-02 | DMRTA1(dist=68539), LINC01239(dist=125188) | intergenic |
| 3 | 14594007 | G | A | rs115427540 | 4.53E-01 | 0.027 | 0.033 | 0.82 | 0.5 | -1.34 | 5.84E-07 | 0.063 | 0.032 | 2.04 | 1.37 | -3.03 | 1.71 | 1.87E-02 | GRIP2(dist=12157), CCDC174(dist=99246) | intergenic |
| 5 | 145301422 | T | C | rs73792736 | 9.94E-01 | 0.040 | 0.041 | 0.97 | 0.64 | -1.47 | 3.11E-05 | 0.054 | 0.025 | 2.22 | 1.44 | -3.42 | 1.56 | 1.88E-02 | GRXCR2(dist=48891), SH3RF2(dist=14704) | intergenic |
| 2 | 140854922 | C | A | rs77923807 | 9.23E-01 | 0.025 | 0.025 | 1.01 | 0.6 | -1.7 | 2.98E-05 | 0.042 | 0.020 | 2.09 | 1.29 | -3.39 | 1.80 | 1.89E-02 | YY1P2(dist=1198178), LRP1B(dist=134074) | intergenic |
| 3 | 142683156 | C | T | rs114529328 | 9.69E-01 | 0.027 | 0.029 | 0.93 | 0.57 | -1.52 | 4.92E-05 | 0.050 | 0.026 | 1.98 | 1.27 | -3.08 | 1.79 | 1.89E-02 | PAQR9-AS1 | ncRNA_intronic |
| 4 | 70512721 | G | T | rs72552708 | 7.88E-01 | 0.022 | 0.021 | 1.08 | 0.62 | -1.89 | 1.52E-05 | 0.041 | 0.021 | 2.06 | 1.27 | -3.34 | 1.83 | 1.89E-02 | UGT2A1 | exonic |
| 8 | 74313243 | G | T | rs78778217 | 8.71E-01 | 0.027 | 0.027 | 1.00 | 0.61 | -1.66 | 4.01E-05 | 0.047 | 0.023 | 2.14 | 1.36 | -3.38 | 1.69 | 1.90E-02 | LOC101926926(dist=44547), STAU2-AS1(dist=19066) | intergenic |
| 6 | 25005257 | A | T | rs58120451;rs193080756 | 8.70E-01 | 0.032 | 0.033 | 0.98 | 0.62 | -1.55 | 2.54E-05 | 0.058 | 0.031 | 1.91 | 1.27 | -2.88 | 1.73 | 1.90E-02 | FAM65B | intronic |
| 4 | 18644640 | T | C | rs188791240 | 8.63E-01 | 0.027 | 0.029 | 0.91 | 0.55 | -1.51 | 5.07E-06 | 0.047 | 0.024 | 1.99 | 1.26 | -3.13 | 1.82 | 1.90E-02 | PDLIM3 | intronic |
| 20 | 62308612 | T | G | rs2738783 | 5.23E-06 | 0.073 | 0.038 | 0.50 | 0.36 | -0.7 | 3.88E-01 | 0.053 | 0.066 | 1.27 | 0.84 | -1.92 | 0.69 | 1.91E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 4 | 2775988 | G | A | rs13108937 | 6.96E-01 | 0.031 | 0.032 | 0.98 | 0.61 | -1.56 | 4.04E-07 | 0.062 | 0.037 | 1.71 | 1.15 | -2.54 | 1.75 | 1.92E-02 | TNIP2(dist=17885), SH3BP2(dist=18762) | intergenic |
| 4 | 34971282 | T | A | rs11096753 | 6.10E-01 | 0.312 | 0.315 | 0.99 | 0.83 | -1.18 | 1.81E-05 | 0.414 | 0.328 | 1.45 | 1.2 | -1.75 | 1.18 | 1.94E-02 | LOC101928622(dist=929767), ARAP2(dist=1096338) | intergenic |
| 6 | 70946343 | T | C | rs78100299 | 8.60E-01 | 0.062 | 0.065 | 0.94 | 0.67 | -1.32 | 2.69E-05 | 0.094 | 0.050 | 1.98 | 1.42 | -2.75 | 1.40 | 1.94E-02 | COL9A1 | intronic |
| 6 | 70946294 | A | C | rs116013267 | 8.59E-01 | 0.062 | 0.065 | 0.94 | 0.67 | -1.32 | 2.69E-05 | 0.094 | 0.050 | 1.98 | 1.42 | -2.75 | 1.40 | 1.94E-02 | COL9A1 | intronic |
| 12 | 41722390 | T | A | rs184924781 | 7.70E-01 | 0.030 | 0.033 | 0.91 | 0.57 | -1.46 | 9.69E-06 | 0.054 | 0.027 | 2.06 | 1.34 | -3.15 | 1.67 | 1.94E-02 | PDZRN4 | intronic |
| 1 | 202656865 | C | T | rs115541247 | 4.29E-01 | 0.017 | 0.022 | 0.75 | 0.4 | -1.39 | 1.66E-07 | 0.046 | 0.020 | 2.37 | 1.49 | -3.78 | 1.84 | 1.95E-02 | SYT2 | intronic |
| 4 | 158542365 | C | T | rs13112426 | 4.11E-05 | 0.377 | 0.296 | 0.70 | 0.59 | -0.83 | 2.33E-01 | 0.297 | 0.327 | 1.15 | 0.94 | -1.41 | 0.85 | 1.95E-02 | LOC340017(dist=45062), FAM198B(dist=503367) | intergenic |
| 4 | 92123522 | T | C | rs11097306 | 3.87E-01 | 0.368 | 0.378 | 0.96 | 0.81 | -1.14 | 5.52E-06 | 0.472 | 0.374 | 1.49 | 1.24 | -1.8 | 1.17 | 1.96E-02 | CCSER1 | intronic |
| 6 | 78131923 | T | C | rs2179801 | 8.09E-01 | 0.405 | 0.391 | 1.06 | 0.9 | -1.25 | 5.75E-05 | 0.307 | 0.403 | 0.66 | 0.54 | -0.81 | 0.85 | 1.96E-02 | IMPG1(dist=1349528), HTR1B(dist=40025) | intergenic |
| 4 | 158542688 | T | C | rs2130676 | 4.17E-05 | 0.376 | 0.296 | 0.70 | 0.59 | -0.83 | 2.33E-01 | 0.297 | 0.327 | 1.15 | 0.94 | -1.41 | 0.85 | 1.97E-02 | LOC340017(dist=45385), FAM198B(dist=503044) | intergenic |
| 6 | 29430829 | G | A | rs16894941 | 6.70E-01 | 0.078 | 0.085 | 0.91 | 0.68 | -1.24 | 2.87E-05 | 0.132 | 0.076 | 1.84 | 1.39 | -2.44 | 1.34 | 1.97E-02 | OR2H1(NM_030883:c."332G>A) | UTR3 |
| 8 | 60468372 | C | T | rs4463409 | 9.84E-01 | 0.235 | 0.240 | 0.97 | 0.8 | -1.18 | 4.78E-05 | 0.261 | 0.190 | 1.50 | 1.21 | -1.86 | 1.23 | 1.97E-02 | TOX(dist=436605), CAB8(dist=633051) | intergenic |
| 17 | 52167708 | C | A | rs182386255 | 4.20E-05 | 0.057 | 0.030 | 1.96 | 1.34 | -2.86 | 3.78E-01 | 0.041 | 0.047 | 0.87 | 0.54 | -1.39 | 1.49 | 1.97E-02 | KIF2B(dist=265135), TOM1L1(dist=810344) | intergenic |
| 17 | 52165378 | A | T | rs143822001 | 4.23E-05 | 0.057 | 0.030 | 1.96 | 1.34 | -2.86 | 3.77E-01 | 0.041 | 0.047 | 0.87 | 0.54 | -1.39 | 1.49 | 1.98E-02 | KIF2B(dist=262805), TOM1L1(dist=812674) | intergenic |
| 19 | 50280376 | C | T | rs11671380 | 5.33E-01 | 0.038 | 0.041 | 0.92 | 0.6 | -1.4 | 3.31E-06 | 0.063 | 0.037 | 1.73 | 1.17 | -2.56 | 1.74 | 1.99E-02 | AP2A1 | intronic |
| 15 | 83682579 | A | G | rs28756227 | 3.16E-01 | 0.032 | 0.041 | 0.77 | 0.49 | -1.22 | 1.66E-06 | 0.085 | 0.041 | 2.14 | 1.51 | -3.03 | 1.48 | 1.99E-02 | C15orf40(dist=2186), BTBD1(dist=2602) | intergenic |
| 6 | 70938792 | A | G | rs76946863 | 8.51E-01 | 0.066 | 0.069 | 0.95 | 0.68 | -1.32 | 2.53E-05 | 0.095 | 0.050 | 1.99 | 1.43 | -2.76 | 1.39 | 1.99E-02 | COL9A1 | intronic |
| 17 | 52163496 | G | A | rs114608446 | 4.27E-05 | 0.057 | 0.030 | 1.96 | 1.34 | -2.85 | 3.77E-01 | 0.041 | 0.047 | 0.87 | 0.54 | -1.39 | 1.49 | 2.00E-02 | KIF2B(dist=260923), TOM1L1(dist=814556) | intergenic |
| 4 | 4593166 | T | G | rs114501893 | 8.89E-01 | 0.027 | 0.028 | 0.98 | 0.59 | -1.62 | 4.16E-05 | 0.044 | 0.023 | 1.94 | 1.22 | -3.1 | 1.79 | 2.00E-02 | STX18-AS1 | ncRNA_intronic |
| 13 | 24548399 | C | T | rs8000902 | 7.87E-01 | 0.397 | 0.400 | 0.99 | 0.84 | -1.16 | 4.46E-05 | 0.499 | 0.421 | 1.37 | 1.14 | -1.65 | 1.18 | 2.01E-02 | ANKRD20A19P(dist=24945), SPATA13(dist=5366) | intergenic |
| 14 | 101942768 | T | C | rs7149305 | 5.10E-01 | 0.115 | 0.112 | 0.97 | 0.75 | -1.25 | 1.06E-05 | 0.198 | 0.151 | 0.72 | 0.57 | -0.91 | 0.76 | 2.01E-02 | LINC00524(dist=68509), DIO3OS(dist=75792) | intergenic |
| 17 | 52160920 | A | G | rs138642276 | 4.32E-05 | 0.057 | 0.030 | 1.95 | 1.34 | -2.85 | 3.77E-01 | 0.041 | 0.047 | 0.87 | 0.54 | -1.39 | 1.49 | 2.02E-02 | KIF2B(dist=258347), TOM1L1(dist=817132) | intergenic |
| 2 | 44192157 | T | C | rs76453754 | 9.57E-01 | 0.024 | 0.023 | 1.07 | 0.63 | -1.82 | 5.44E-05 | 0.044 | 0.023 | 1.98 | 1.24 | -3.15 | 1.78 | 2.02E-02 | LRPPRC | intronic |
| 2 | 171480489 | C | T | rs6733023 | 9.55E-01 | 0.250 | 0.245 | 1.02 | 0.85 | -1.24 | 2.17E-05 | 0.348 | 0.290 | 1.91 | 1.07 | -1.59 | 1.22 | 2.02E-02 | MYO3B | intronic |
| 8 | 89391848 | G | C | rs1463923 | 7.94E-01 | 0.478 | 0.473 | 0.98 | 0.83 | -1.15 | 3.65E-05 | 0.573 | 0.491 | 0.72 | 0.59 | -0.87 | 0.86 | 2.02E-02 | MMP16(dist=52131), LOC101929709(dist=1337779) | intergenic |
| 13 | 93125591 | T | C | rs61973636 | 3.16E-05 | 0.147 | 0.099 | 1.58 | 1.25 | -2.01 | 2.33E-01 | 0.094 | 0.108 | 0.85 | 0.62 | -1.17 | 1.28 | 2.02E-02 | GPC5 | intronic |
| 15 | 83921787 | G | A | rs114055405 | 5.22E-01 | 0.035 | 0.042 | 0.84 | 0.54 | -1.3 | 1.22E-05 | 0.080 | 0.040 | 2.08 | 1.46 | -2.97 | 1.48 | 2.03E-02 | HDFFRP3(dist=45017), BNC1(dist=2868) | intergenic |
| 4 | 103188059 | G | A | rs28665758 | 7.37E-01 | 0.211 | 0.223 | 0.93 | 0.76 | -1.14 | 4.62E-05 | 0.256 | 0.177 | 1.60 | 1.29 | -1.99 | 1.21 | 2.04E-02 | SLC39A8 | intronic |
| 11 | 14217874 | G | A | rs11603589 | 9.26E-01 | 0.106 | 0.109 | 0.97 | 0.74 | -1.26 | 6.30E-05 | 0.145 | 0.095 | 1.61 | 1.23 | -2.11 | 1.30 | 2.05E-02 | SPON1 | intronic |
| 9 | 5638218 | C | G | rs115503729 | 6.00E-01 | 0.030 | 0.034 | 0.88 | 0.55 | -1.4 | 3.66E-06 | 0.062 | 0.032 | 2.01 | 1.35 | -3 | 1.69 | 2.05E-02 | RIC1 | intronic |
| 13 | 93124105 | T | C | rs61973634 | 5.29E-05 | 0.152 | 0.104 | 1.54 | 1.22 | -1.95 | 2.17E-01 | 0.096 | 0.110 | 0.86 | 0.63 | -1.18 | 1.29 | 2.06E-02 | GPC5 | intronic |
| 20 | 62270637 | T | C | rs909333 | 4.52E-05 | 0.109 | 0.064 | 1.77 | 1.35 | -2.34 | 4.30E-01 | 0.066 | 0.081 | 0.80 | 0.55 | -1.16 | 1.35 | 2.06E-02 | STMN3 | downstream |
| 16 | 87105442 | G | C | rs61258889 | 8.27E-01 | 0.133 | 0.136 | 0.98 | 0.77 | -1.25 | 5.20E-05 | 0.197 | 0.143 | 1.48 | 1.16 | -1.87 | 1.26 | 2.07E-02 | LOC440390(dist=7845), LOC101928708(dist=140279) | intergenic |
| 8 | 89385808 | T | C | rs56187488 | 7.55E-01 | 0.479 | 0.474 | 0.98 | 0.83 | -1.15 | 3.08E-05 | 0.576 | 0.493 | 0.71 | 0.59 | -0.86 | 0.86 | 2.07E-02 | MMP16(dist=46091), LOC101929709(dist=1343819) | intergenic |
| 17 | 68715867 | C | T | rs115948813 | 4.12E-05 | 0.053 | 0.026 | 2.14 | 1.44 | -3.18 | 1.18E-01 | 0.017 | 0.027 | 0.63 | 0.31 | -1.28 | 1.56 | 2.07E-02 | KCNJ2(dist=539684), CASC17(dist=378048) | intergenic |
| 18 | 56917267 | A | G | rs658169 | 6.18E-01 | 0.140 | 0.144 | 1.04 | 0.82 | -1.31 | 6.36E-06 | 0.218 | 0.160 | | | | | | | |

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|----|-----------|---|---|------------------------|-----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 17 | 16148761 | T | C | rs116300688 | 8.29E-01 | 0.036 | 0.039 | 0.93 | 0.6 | -1.44 | 4.15E-05 | 0.066 | 0.033 | 2.06 | 1.4 | -3.05 | 1.52 | 2.18E-02 | PIGL | intronic |
| 12 | 78035461 | G | A | rs1491048 | 5.02E-01 | 0.156 | 0.165 | 0.94 | 0.75 | -1.17 | 4.37E-05 | 0.237 | 0.172 | 1.49 | 1.19 | -1.86 | 1.24 | 2.19E-02 | E2F7(dist=576101), NAV3(dist=189608) | intergenic |
| 17 | 52164063 | A | C | rs115252858 | 5.14E-05 | 0.057 | 0.030 | 1.94 | 1.33 | -2.83 | 3.70E-01 | 0.041 | 0.047 | 0.87 | 0.54 | -1.39 | 1.48 | 2.19E-02 | KIF2B(dist=261490), TOM1L1(dist=813989) | intergenic |
| 17 | 52163299 | T | C | rs140301018 | 5.16E-05 | 0.057 | 0.030 | 1.94 | 1.33 | -2.83 | 3.70E-01 | 0.041 | 0.047 | 0.87 | 0.54 | -1.39 | 1.48 | 2.20E-02 | KIF2B(dist=260726), TOM1L1(dist=814753) | intergenic |
| 4 | 185389315 | T | C | rs3775583 | 6.57E-01 | 0.166 | 0.178 | 0.92 | 0.74 | -1.14 | 4.53E-05 | 0.235 | 0.161 | 1.60 | 1.28 | -2 | 1.21 | 2.20E-02 | IRF2 | intronic |
| 10 | 56757411 | C | T | rs79945163 | 5.87E-05 | 0.098 | 0.061 | 1.67 | 1.25 | -2.22 | 2.56E-01 | 0.055 | 0.066 | 0.84 | 0.56 | -1.26 | 1.38 | 2.20E-02 | PCDH15(dist=196360), MTRNR2L5(dist=601339) | intergenic |
| 12 | 106592123 | G | A | rs1318910 | 5.15E-01 | 0.216 | 0.227 | 1.07 | 0.88 | -1.3 | 2.28E-05 | 0.295 | 0.215 | 0.65 | 0.53 | -0.8 | 0.83 | 2.22E-02 | NUAK1(dist=58312), CKAP4(dist=39536) | intergenic |
| 17 | 52260614 | C | G | rs150174365 | 5.22E-05 | 0.057 | 0.030 | 1.94 | 1.33 | -2.82 | 3.69E-01 | 0.041 | 0.047 | 0.87 | 0.54 | -1.39 | 1.48 | 2.22E-02 | KIF2B(dist=258041), TOM1L1(dist=817438) | intergenic |
| 17 | 52159960 | G | A | rs115316628 | 5.22E-05 | 0.057 | 0.030 | 1.94 | 1.33 | -2.82 | 3.69E-01 | 0.041 | 0.047 | 0.87 | 0.54 | -1.39 | 1.48 | 2.22E-02 | KIF2B(dist=257387), TOM1L1(dist=818092) | intergenic |
| 3 | 61641942 | C | T | rs139405911 | 6.64E-01 | 0.028 | 0.031 | 0.89 | 0.54 | -1.45 | 3.47E-05 | 0.048 | 0.021 | 2.40 | 1.52 | -3.78 | 1.65 | 2.24E-02 | PTPRG | intronic |
| 3 | 61641572 | T | C | rs143164905 | 6.62E-01 | 0.028 | 0.031 | 0.89 | 0.54 | -1.45 | 3.46E-05 | 0.048 | 0.021 | 2.40 | 1.52 | -3.78 | 1.65 | 2.25E-02 | PTPRG | intronic |
| 15 | 87945945 | G | A | rs144153772 | 9.56E-01 | 0.027 | 0.029 | 0.94 | 0.57 | -1.55 | 3.75E-05 | 0.047 | 0.023 | 2.13 | 1.35 | -3.36 | 1.65 | 2.26E-02 | AGBL1(dist=373662), LINC00052(dist=174215) | intergenic |
| 4 | 34971056 | C | T | rs11096751 | 6.16E-01 | 0.314 | 0.317 | 0.99 | 0.83 | -1.18 | 2.79E-05 | 0.415 | 0.331 | 1.44 | 1.19 | -1.74 | 1.17 | 2.26E-02 | LOC101928622(dist=929541), ARAP2(dist=1096564) | intergenic |
| 13 | 72145524 | C | T | rs74095978 | 5.93E-01 | 0.016 | 0.020 | 0.81 | 0.43 | -1.52 | 1.09E-06 | 0.047 | 0.021 | 2.23 | 1.41 | -3.53 | 1.86 | 2.27E-02 | DACH1 | intronic |
| 2 | 77996324 | G | A | rs114525006 | 6.19E-01 | 0.056 | 0.061 | 0.90 | 0.64 | -1.29 | 1.66E-05 | 0.096 | 0.050 | 2.05 | 1.48 | -2.84 | 1.38 | 2.27E-02 | LOC101927967 | ncRNA_intronic |
| 16 | 80824502 | T | C | rs115448228 | 7.48E-01 | 0.040 | 0.044 | 0.90 | 0.59 | -1.36 | 2.87E-05 | 0.064 | 0.032 | 2.06 | 1.39 | -3.05 | 1.53 | 2.28E-02 | CDYL2 | intronic |
| 12 | 31285101 | A | G | rs2933405 | 6.64E-01 | 0.236 | 0.244 | 1.05 | 0.87 | -1.27 | 4.51E-05 | 0.325 | 0.242 | 0.66 | 0.54 | -0.81 | 0.84 | 2.28E-02 | DDX11(dist=27376), FAM60A(dist=148419) | intergenic |
| 4 | 34971092 | A | C | rs11096752 | 6.24E-01 | 0.315 | 0.317 | 0.99 | 0.83 | -1.18 | 3.02E-05 | 0.415 | 0.331 | 1.43 | 1.19 | -1.73 | 1.17 | 2.29E-02 | LOC101928622(dist=929577), ARAP2(dist=1096528) | intergenic |
| 2 | 140858464 | T | A | rs79160976 | 8.68E-01 | 0.026 | 0.025 | 1.03 | 0.62 | -1.72 | 3.04E-05 | 0.042 | 0.020 | 2.09 | 1.29 | -3.39 | 1.71 | 2.29E-02 | YY1P2(dist=1201720), LRP1B(dist=130532) | intergenic |
| 5 | 2926385 | C | T | rs2934516 | 6.00E-01 | 0.242 | 0.257 | 1.08 | 0.9 | -1.31 | 5.98E-06 | 0.293 | 0.220 | 0.68 | 0.55 | -0.84 | 0.81 | 2.29E-02 | C5orf38(dist=170874), LINC01377(dist=251564) | intergenic |
| 4 | 184321733 | A | G | rs72705530 | 2.31E-02 | 0.061 | 0.041 | 1.51 | 1.06 | -2.15 | 9.10E-06 | 0.051 | 0.040 | 1.30 | 0.85 | -2 | 1.71 | 2.30E-02 | CLDN24(dist=78154), CDKN2AIP(dist=44056) | intergenic |
| 16 | 80793722 | A | C | rs9928152 | 5.89E-01 | 0.065 | 0.070 | 0.93 | 0.67 | -1.29 | 1.37E-05 | 0.111 | 0.067 | 1.74 | 1.28 | -2.36 | 1.38 | 2.30E-02 | CDYL2 | intronic |
| 7 | 11859312 | A | C | rs73676203 | 6.70E-01 | 0.060 | 0.067 | 0.89 | 0.63 | -1.25 | 9.30E-06 | 0.097 | 0.054 | 1.87 | 1.35 | -2.59 | 1.41 | 2.30E-02 | THSD7A | intronic |
| 12 | 12115428 | A | G | rs3983840 | 9.56E-02 | 0.029 | 0.042 | 1.48 | 0.92 | -2.38 | 1.52E-09 | 0.080 | 0.037 | 0.44 | 0.31 | -0.63 | 0.62 | 2.32E-02 | RNU6-19P(dist=36321), BCL2L14(dist=108450) | intergenic |
| 15 | 88298630 | T | C | rs74025085 | 9.76E-01 | 0.053 | 0.056 | 0.95 | 0.67 | -1.37 | 1.08E-05 | 0.066 | 0.037 | 1.83 | 1.25 | -2.7 | 1.53 | 2.33E-02 | LINC00052(dist=175713), NTRK3(dist=121358) | intergenic |
| 21 | 42539403 | A | G | rs180748018 | 8.15E-01 | 0.029 | 0.031 | 0.94 | 0.58 | -1.51 | 2.55E-05 | 0.045 | 0.022 | 2.07 | 1.3 | -3.3 | 1.75 | 2.33E-02 | BACE2, MIR3197 | upstream |
| 15 | 74074117 | C | A | rs111704463 | 8.77E-01 | 0.065 | 0.067 | 0.97 | 0.7 | -1.35 | 6.37E-05 | 0.086 | 0.051 | 1.75 | 1.25 | -2.47 | 1.41 | 2.33E-02 | C15orf59-AS1(dist=11974), TBC1D21(dist=91810) | intergenic |
| 15 | 82573325 | G | A | rs11854157 | 6.28E-01 | 0.348 | 0.368 | 0.92 | 0.77 | -1.09 | 3.11E-05 | 0.421 | 0.322 | 1.53 | 1.26 | -1.85 | 1.16 | 2.34E-02 | SAXO2 | intronic |
| 17 | 62683502 | A | G | rs148649035 | 6.77E-01 | 0.064 | 0.062 | 1.02 | 0.73 | -1.43 | 6.02E-05 | 0.080 | 0.051 | 1.63 | 1.15 | -2.31 | 1.45 | 2.35E-02 | SMURF2(dist=25116), LOC146880(dist=622278) | intergenic |
| 2 | 69552451 | G | T | rs77753566 | 2.27E-02 | 0.025 | 0.033 | 0.75 | 0.45 | -1.25 | 6.27E-05 | 0.065 | 0.049 | 1.35 | 0.92 | -1.98 | 0.54 | 2.35E-02 | GFPT1(NM_001244710:c.*870C>A, NM_002056:c.*870C>A) | UTR3 |
| 1 | 210998917 | G | A | rs7515909 | 5.62E-06 | 0.181 | 0.264 | 0.62 | 0.5 | -0.76 | 6.75E-02 | 0.283 | 0.245 | 1.22 | 0.99 | -1.5 | 0.84 | 2.36E-02 | KCNH1 | intronic |
| 15 | 74074407 | C | T | rs146613032 | 8.86E-01 | 0.066 | 0.068 | 0.97 | 0.7 | -1.34 | 6.44E-05 | 0.086 | 0.051 | 1.75 | 1.25 | -2.46 | 1.41 | 2.37E-02 | C15orf59-AS1(dist=12264), TBC1D21(dist=91520) | intergenic |
| 4 | 185395385 | T | C | rs1863315 | 6.05E-01 | 0.177 | 0.190 | 0.92 | 0.74 | -1.13 | 2.96E-05 | 0.238 | 0.166 | 1.57 | 1.26 | -1.96 | 1.22 | 2.37E-02 | IRF2 | intronic |
| 9 | 22457214 | T | C | rs115519403 | 5.89E-01 | 0.026 | 0.031 | 0.84 | 0.5 | -1.39 | 4.02E-05 | 0.064 | 0.031 | 2.13 | 1.43 | -3.16 | 1.58 | 2.39E-02 | DMRTA1(dist=4742), LINC01239(dist=188985) | intergenic |
| 17 | 52162589 | G | A | rs112764318 | 6.33E-05 | 0.057 | 0.031 | 1.92 | 1.32 | -2.8 | 3.68E-01 | 0.041 | 0.047 | 0.87 | 0.54 | -1.38 | 1.47 | 2.39E-02 | KIF2B(dist=260016), TOM1L1(dist=815643) | intergenic |
| 15 | 82540174 | A | G | rs8028284 | 4.30E-01 | 0.324 | 0.343 | 0.92 | 0.77 | -1.09 | 8.34E-06 | 0.409 | 0.310 | 1.55 | 1.28 | -1.87 | 1.17 | 2.39E-02 | EFTUD1 | intronic |
| 17 | 52161948 | T | C | rs113627571 | 6.38E-05 | 0.057 | 0.031 | 1.92 | 1.32 | -2.79 | 3.68E-01 | 0.041 | 0.047 | 0.87 | 0.54 | -1.38 | 1.47 | 2.40E-02 | KIF2B(dist=259375), TOM1L1(dist=816104) | intergenic |
| 5 | 168569034 | G | A | rs7710708 | 6.58E-01 | 0.033 | 0.038 | 0.86 | 0.55 | -1.35 | 1.15E-06 | 0.060 | 0.032 | 1.97 | 1.32 | -2.96 | 1.64 | 2.40E-02 | SLIT3 | intronic |
| 14 | 42332965 | G | A | rs115424626 | 5.42E-01 | 0.028 | 0.034 | 0.81 | 0.5 | -1.32 | 3.20E-05 | 0.070 | 0.035 | 2.07 | 1.42 | -3.02 | 1.53 | 2.40E-02 | LRFN5 | intronic |
| 7 | 94536850 | C | G | rs116378962 | 8.71E-01 | 0.062 | 0.066 | 0.93 | 0.66 | -1.3 | 5.22E-05 | 0.101 | 0.057 | 1.86 | 1.35 | -2.55 | 1.37 | 2.42E-02 | PPP1R9A | upstream |
| 1 | 240098019 | G | A | rs7523792 | 5.91E-01 | 0.383 | 0.367 | 1.07 | 0.91 | -1.27 | 2.44E-05 | 0.300 | 0.387 | 0.68 | 0.55 | -0.83 | 0.85 | 2.43E-02 | CHRM3(dist=25302), RPS7P5(dist=72805) | intergenic |
| 9 | 128906384 | T | C | rs149014818 | 1.289E-02 | 0.025 | 0.041 | 0.58 | 0.35 | -0.97 | 3.51E-05 | 0.046 | 0.026 | 1.81 | 1.15 | -2.87 | 0.58 | 2.43E-02 | PBX3(dist=176729), LOC101929116(dist=126019) | intergenic |
| 9 | 22404361 | A | G | rs116783854 | 5.93E-01 | 0.018 | 0.022 | 0.82 | 0.44 | -1.5 | 6.46E-05 | 0.055 | 0.026 | 2.16 | 1.41 | -3.3 | 1.67 | 2.43E-02 | CDKN2B-AS1(dist=283268), DMRTA1(dist=42479) | intergenic |
| 2 | 77991771 | T | C | rs116537780 | 2.43E-01 | 0.021 | 0.028 | 0.72 | 0.41 | -1.26 | 4.12E-06 | 0.071 | 0.033 | 2.25 | 1.54 | -3.28 | 1.57 | 2.44E-02 | LOC101927967 | ncRNA_intronic |
| 4 | 146745433 | C | T | rs76095491 | 5.09E-01 | 0.068 | 0.077 | 0.88 | 0.64 | -1.21 | 4.27E-06 | 0.118 | 0.067 | 1.87 | 1.39 | -2.51 | 1.33 | 2.45E-02 | ZNF827 | intronic |
| 16 | 83869098 | G | A | rs13335713 | 7.32E-01 | 0.099 | 0.105 | 0.94 | 0.72 | -1.23 | 1.09E-05 | 0.142 | 0.089 | 1.70 | 1.29 | -2.23 | 1.30 | 2.45E-02 | HSBP1(dist=22491), MLYCD(dist=63632) | intergenic |
| 16 | 87105940 | C | G | rs72813971;rs386793799 | 7.98E-01 | 0.134 | 0.137 | 0.98 | 0.77 | -1.24 | 6.13E-05 | 0.198 | 0.144 | 1.47 | 1.16 | -1.86 | 1.25 | 2.46E-02 | LOC440390(dist=8343), LOC101928708(dist=139781) | intergenic |
| 4 | 134113822 | T | C | rs77099945 | 9.04E-01 | 0.077 | 0.077 | 1.00 | 0.74 | -1.36 | 5.94E-05 | 0.122 | 0.084 | 1.52 | 1.14 | -2.03 | 1.36 | 2.47E-02 | PCDH10(NM_032961:c.*2507T>C) | UTR3 |
| 16 | 77600545 | A | G | rs8046820 | 7.28E-01 | 0.024 | 0.026 | 0.93 | 0.55 | -1.57 | 6.21E-05 | 0.049 | 0.023 | 2.17 | 1.38 | -3.39 | 1.65 | 2.48E-02 | ADAMTS18(dist=131534), NUDT7(dist=155844) | intergenic |
| 4 | 2775985 | G | T | rs13108936 | 6.46E-01 | 0.032 | 0.033 | 0.96 | 0.61 | -1.53 | 6.16E-07 | 0.063 | 0.038 | 1.68 | 1.14 | -2.49 | 1.71 | 2.50E-02 | TNIP2(dist=17882), SH3BP2(dist=18765) | intergenic |
| 12 | 106590567 | C | T | rs1427787 | 4.07E-01 | 0.235 | 0.251 | 1.09 | 0.9 | -1.32 | 1.06E-05 | 0.323 | 0.232 | 0.63 | 0.52 | -0.77 | 0.85 | 2.50E-02 | NUAK1(dist=56755), CKAP4(dist=41092) | intergenic |
| 9 | 128906413 | A | T | rs75304124 | 2.36E-02 | 0.024 | 0.041 | 0.58 | 0.35 | -0.96 | 5.61E-05 | 0.045 | 0.025 | 1.81 | 1.14 | -2.88 | 0.58 | 2.50E-02 | PBX3(dist=176758), LOC101929116(dist=125990) | intergenic |
| 4 | 134159321 | A | G | rs79704320 | 8.16E-01 | 0.083 | 0.088 | 0.93 | 0.7 | -1.25 | 2.64E-05 | 0.109 | 0.068 | 1.68 | 1.24 | -2.29 | 1.40 | 2.51E-02 | PCDH10(dist=43556), PABPC4L(dist=958168) | intergenic |
| 7 | 83939664 | T | C | rs9986714 | 7.51E-01 | 0.303 | 0.315 | 0.94 | 0.79 | -1.13 | 1.95E-05 | 0.359 | 0.273 | 1.49 | 1.22 | -1.81 | 1.18 | 2.52E-02 | SEMA3A(dist=115447), LOC101927378(dist=222128) | intergenic |
| 2 | 140862201 | G | A | rs79298919 | 7.93E-01 | 0.038 | 0.037 | 1.02 | 0.67 | -1.57 | 2.57E-05 | 0.053 | 0.030 | 1.85 | 1.21 | -2.84 | 1.57 | 2.52E-02 | YY1P2(dist=1205457), LRP1B(dist=126795) | intergenic |
| 2 | 77997721 | C | T | rs113939168 | 5.34E-01 | 0.117 | 0.131 | 0.88 | 0.68 | -1.13 | 1.24E-05 | 0.180 | 0.110 | 1.78 | 1.39 | -2.28 | 1. | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------------------|-----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 7 | 8161751 | T | C | rs73235843 | 8.17E-01 | 0.282 | 0.292 | 0.95 | 0.79 | -1.14 | 2.68E-05 | 0.345 | 0.273 | 1.40 | 1.15 | -1.71 | 1.20 | 2.63E-02 | ICA1 | intronic |
| 2 | 134462792 | C | A | rs4954074 | 4.96E-01 | 0.107 | 0.111 | 0.96 | 0.74 | -1.24 | 1.33E-05 | 0.194 | 0.136 | 1.53 | 1.2 | -1.94 | 1.26 | 2.67E-02 | NCKAP5(dist=136761), MIR3679(dist=421904) | intergenic |
| 14 | 72316472 | G | A | rs72732397 | 4.90E-05 | 0.108 | 0.058 | 1.99 | 1.5 | -2.63 | 2.92E-01 | 0.068 | 0.091 | 0.74 | 0.51 | -1.06 | 1.32 | 2.70E-02 | SIPA1L1(dist=108526), RGS6(dist=82345) | intergenic |
| 13 | 58416649 | C | T | rs71430827 | 6.01E-01 | 0.022 | 0.027 | 0.80 | 0.46 | -1.39 | 4.90E-05 | 0.051 | 0.023 | 2.30 | 1.48 | -3.59 | 1.68 | 2.71E-02 | PCDH17(dist=113584), LOC101926897(dist=323312) | intergenic |
| 16 | 16156610 | A | T | rs45588034 | 6.72E-01 | 0.181 | 0.191 | 0.94 | 0.76 | -1.16 | 4.37E-05 | 0.228 | 0.161 | 1.54 | 1.23 | -1.93 | 1.24 | 2.71E-02 | ABCC1 | intronic |
| 7 | 11196134 | C | G | rs10270849 | 7.119E-01 | 0.064 | 0.066 | 0.96 | 0.69 | -1.33 | 3.41E-05 | 0.090 | 0.051 | 1.82 | 1.3 | -2.54 | 1.38 | 2.72E-02 | NONE(dist=NONE), NONE(dist=NONE) | intergenic |
| 7 | 22035552 | G | A | rs28709686 | 8.60E-01 | 0.098 | 0.103 | 0.95 | 0.72 | -1.25 | 3.84E-05 | 0.122 | 0.071 | 1.80 | 1.35 | -2.42 | 1.29 | 2.73E-02 | CDC47L(dist=50010), RAPGEF5(dist=122356) | intergenic |
| 2 | 77998256 | G | C | rs79353565 | 5.07E-01 | 0.116 | 0.131 | 0.87 | 0.68 | -1.12 | 1.22E-05 | 0.180 | 0.109 | 1.78 | 1.39 | -2.29 | 1.25 | 2.73E-02 | LOC101927967 | ncRNA_intronic |
| 4 | 146746651 | G | A | rs6855560 | 5.57E-01 | 0.068 | 0.076 | 0.89 | 0.65 | -1.22 | 4.73E-06 | 0.108 | 0.063 | 1.83 | 1.34 | -2.48 | 1.35 | 2.74E-02 | ZNF827 | intronic |
| 16 | 26489132 | C | T | rs62030921 | 4.78E-05 | 0.138 | 0.089 | 1.65 | 1.29 | -2.1 | 2.01E-01 | 0.082 | 0.103 | 0.78 | 0.55 | -1.09 | 1.27 | 2.74E-02 | HS3ST4(dist=340123), C16orf82(dist=589087) | intergenic |
| 9 | 137957543 | C | T | rs77347992 | 9.28E-01 | 0.032 | 0.034 | 0.95 | 0.6 | -1.5 | 4.94E-07 | 0.050 | 0.024 | 2.12 | 1.36 | -3.3 | 1.62 | 2.75E-02 | FCN1(dist=147737), OLFM1(dist=9546) | intergenic |
| 4 | 185381588 | C | A | rs58520796 | 5.86E-01 | 0.169 | 0.183 | 0.91 | 0.73 | -1.13 | 3.23E-05 | 0.232 | 0.161 | 1.58 | 1.27 | -1.98 | 1.21 | 2.77E-02 | IRF2 | intronic |
| 6 | 84670703 | A | C | rs77639159 | 8.63E-01 | 0.029 | 0.031 | 0.93 | 0.57 | -1.5 | 5.03E-05 | 0.053 | 0.025 | 2.21 | 1.43 | -3.41 | 1.62 | 2.79E-02 | CYB5R4 | downstream |
| 6 | 12442273 | G | A | rs9471822 | 8.75E-01 | 0.027 | 0.030 | 0.92 | 0.56 | -1.51 | 1.66E-05 | 0.046 | 0.023 | 2.03 | 1.28 | -3.22 | 1.81 | 2.82E-02 | RNU6-48P(dist=49687), PHACTR1(dist=274764) | intergenic |
| 6 | 111294558 | A | T | rs7765629 | 2.89E-05 | 0.279 | 0.210 | 1.46 | 1.21 | -1.75 | 1.23E-01 | 0.187 | 0.209 | 0.87 | 0.68 | -1.1 | 1.20 | 2.82E-02 | GTF3C6(dist=5467), RPF2(dist=8662) | intergenic |
| 4 | 154786401 | C | T | rs28718432 | 7.06E-01 | 0.112 | 0.123 | 0.90 | 0.69 | -1.16 | 4.02E-05 | 0.163 | 0.105 | 1.66 | 1.28 | -2.15 | 1.27 | 2.83E-02 | SFRP2(dist=76173), DCHS2(dist=369126) | intergenic |
| 5 | 30899517 | A | G | rs6871087 | 1.18E-05 | 0.200 | 0.148 | 1.44 | 1.17 | -1.77 | 8.31E-02 | 0.116 | 0.137 | 0.83 | 0.62 | -1.11 | 1.24 | 2.84E-02 | LOC101929681(dist=1503434), CDH6(dist=294245) | intergenic |
| 15 | 83786659 | C | T | rs144607824 | 6.67E-01 | 0.045 | 0.050 | 0.90 | 0.61 | -1.33 | 3.16E-05 | 0.077 | 0.040 | 2.00 | 1.4 | -2.87 | 1.43 | 2.84E-02 | TMG6SF1 | intronic |
| 16 | 62329796 | G | C | rs386791480;rs149809569 | 9.39E-01 | 0.065 | 0.069 | 0.94 | 0.67 | -1.3 | 5.80E-05 | 0.091 | 0.055 | 1.73 | 1.24 | -2.41 | 1.39 | 2.86E-02 | CDH8(dist=259057), NONE(dist=NONE) | intergenic |
| 4 | 158548696 | A | G | rs1490525 | 5.22E-05 | 0.400 | 0.321 | 0.71 | 0.6 | -0.84 | 1.78E-01 | 0.314 | 0.347 | 1.16 | 0.95 | -1.42 | 0.86 | 2.86E-02 | LOC340017(dist=51393), FAM198B(dist=497036) | intergenic |
| 16 | 62331056 | C | G | rs148204082 | 9.44E-01 | 0.065 | 0.069 | 0.94 | 0.67 | -1.3 | 6.19E-05 | 0.094 | 0.058 | 1.69 | 1.22 | -2.35 | 1.39 | 2.86E-02 | CDH8(dist=260317), NONE(dist=NONE) | intergenic |
| 16 | 62328266 | C | T | rs144583394 | 9.41E-01 | 0.065 | 0.069 | 0.94 | 0.67 | -1.3 | 6.15E-05 | 0.091 | 0.055 | 1.73 | 1.24 | -2.41 | 1.39 | 2.86E-02 | CDH8(dist=257527), NONE(dist=NONE) | intergenic |
| 9 | 137955732 | A | T | rs145379290 | 9.04E-01 | 0.032 | 0.034 | 0.94 | 0.59 | -1.49 | 4.58E-07 | 0.050 | 0.024 | 2.13 | 1.36 | -3.32 | 1.61 | 2.88E-02 | FCN1(dist=145926), OLFM1(dist=11357) | intergenic |
| 6 | 111266707 | G | A | rs67512131 | 2.45E-05 | 0.280 | 0.210 | 1.46 | 1.22 | -1.76 | 1.33E-01 | 0.185 | 0.207 | 0.87 | 0.68 | -1.1 | 1.20 | 2.88E-02 | AMP1(dist=49792), GTF3C6(dist=13056) | intergenic |
| 9 | 137955600 | C | T | rs148847335 | 8.03E-01 | 0.032 | 0.034 | 0.94 | 0.59 | -1.49 | 4.56E-07 | 0.050 | 0.024 | 2.13 | 1.36 | -3.32 | 1.61 | 2.88E-02 | FCN1(dist=145794), OLFM1(dist=11489) | intergenic |
| 13 | 106399673 | G | A | rs111866771 | 8.03E-01 | 0.124 | 0.132 | 0.93 | 0.73 | -1.19 | 8.11E-06 | 0.143 | 0.093 | 1.64 | 1.25 | -2.15 | 1.31 | 2.88E-02 | LINC00343 | ncRNA_intronic |
| 9 | 83835306 | C | T | rs138488858 | 8.39E-01 | 0.063 | 0.067 | 0.94 | 0.68 | -1.32 | 1.03E-05 | 0.084 | 0.052 | 1.68 | 1.19 | -2.37 | 1.47 | 2.89E-02 | LINC01507(dist=1185836), TLE1(dist=363292) | intergenic |
| 4 | 172225031 | T | A | rs1250449 | 2.79E-01 | 0.429 | 0.260 | 1.04 | 0.88 | -1.22 | 2.92E-06 | 0.327 | 0.405 | 0.71 | 0.58 | -0.87 | 0.85 | 2.89E-02 | MIR6082(dist=117588), GALNTL6(dist=509544) | intergenic |
| 4 | 154803947 | G | T | rs1456405 | 4.04E-01 | 0.090 | 0.104 | 0.85 | 0.64 | -1.12 | 4.28E-05 | 0.160 | 0.097 | 1.78 | 1.37 | -2.3 | 1.28 | 2.90E-02 | SFRP2(dist=93719), DCHS2(dist=351580) | intergenic |
| 13 | 106399415 | T | A | rs57754568 | 8.01E-01 | 0.124 | 0.132 | 0.93 | 0.72 | -1.19 | 8.11E-06 | 0.143 | 0.093 | 1.64 | 1.25 | -2.15 | 1.31 | 2.91E-02 | LINC00343 | ncRNA_intronic |
| 9 | 137953922 | C | T | rs57287004 | 8.99E-01 | 0.032 | 0.034 | 0.94 | 0.59 | -1.49 | 4.67E-07 | 0.050 | 0.024 | 2.13 | 1.37 | -3.32 | 1.61 | 2.92E-02 | FCN1(dist=144116), OLFM1(dist=13167) | intergenic |
| 4 | 34970706 | C | T | rs7689655 | 6.18E-01 | 0.319 | 0.322 | 0.99 | 0.83 | -1.17 | 5.95E-05 | 0.418 | 0.336 | 1.41 | 1.17 | -1.71 | 1.16 | 2.92E-02 | LOC101928622(dist=929191), ARAP2(dist=1096914) | intergenic |
| 4 | 141041260 | G | A | rs9991024 | 2.93E-02 | 0.071 | 0.092 | 0.76 | 0.55 | -1.03 | 4.41E-05 | 0.132 | 0.097 | 1.41 | 1.07 | -1.87 | 0.65 | 2.92E-02 | MAML3 | intronic |
| 17 | 39030656 | C | T | rs114740301 | 3.62E-01 | 0.030 | 0.040 | 0.75 | 0.47 | -1.2 | 6.66E-06 | 0.073 | 0.035 | 2.20 | 1.52 | -3.2 | 1.49 | 2.93E-02 | KRT12(dist=7194), KRT20(dist=1485) | intergenic |
| 5 | 71069321 | G | A | rs58973459 | 9.90E-01 | 0.076 | 0.081 | 0.93 | 0.68 | -1.26 | 5.74E-05 | 0.094 | 0.057 | 1.71 | 1.23 | -2.38 | 1.36 | 2.94E-02 | CARTPT(dist=52446), MAP1B(dist=333797) | intergenic |
| 6 | 70951252 | G | A | rs75139444 | 8.38E-01 | 0.061 | 0.065 | 0.94 | 0.67 | -1.31 | 6.07E-05 | 0.089 | 0.048 | 1.94 | 1.39 | -2.72 | 1.37 | 2.95E-02 | COL9A1 | intronic |
| 17 | 39029553 | G | C | rs116462358 | 3.30E-01 | 0.029 | 0.039 | 0.74 | 0.46 | -1.18 | 6.02E-06 | 0.074 | 0.035 | 2.21 | 1.53 | -3.2 | 1.49 | 2.98E-02 | KRT12(dist=6091), KRT20(dist=2588) | intergenic |
| 4 | 92129584 | C | T | rs13141161 | 3.61E-01 | 0.393 | 0.406 | 0.95 | 0.8 | -1.12 | 1.50E-05 | 0.487 | 0.391 | 1.48 | 1.23 | -1.79 | 1.15 | 2.99E-02 | CCSER1 | intronic |
| 2 | 77986002 | G | A | rs182397808 | 2.89E-01 | 0.026 | 0.034 | 0.76 | 0.46 | -1.25 | 5.10E-07 | 0.068 | 0.031 | 2.30 | 1.56 | -3.38 | 1.54 | 3.04E-02 | LOC101927967 | ncRNA_intronic |
| 4 | 2776269 | G | A | rs35389119 | 3.81E-01 | 0.025 | 0.028 | 0.87 | 0.52 | -1.46 | 1.57E-08 | 0.059 | 0.033 | 1.82 | 1.21 | -2.73 | 1.73 | 3.04E-02 | TNIP2(dist=18166), SH3BP2(dist=18481) | intergenic |
| 2 | 241086537 | G | A | rs145528596 | 6.20E-01 | 0.021 | 0.024 | 0.89 | 0.51 | -1.56 | 6.28E-05 | 0.047 | 0.022 | 2.20 | 1.39 | -3.47 | 1.71 | 3.05E-02 | OTOS(dist=6464), GPC1(dist=288578) | intergenic |
| 12 | 106591866 | G | C | rs1427790 | 4.21E-01 | 0.228 | 0.243 | 1.08 | 0.89 | -1.31 | 2.63E-05 | 0.309 | 0.224 | 0.65 | 0.53 | -0.79 | 0.85 | 3.05E-02 | NUAK1(dist=58055), CKAP4(dist=39793) | intergenic |
| 6 | 130610655 | G | T | rs626066 | 3.83E-01 | 0.310 | 0.322 | 0.95 | 0.79 | -1.13 | 4.91E-06 | 0.376 | 0.306 | 1.37 | 1.13 | -1.66 | 1.23 | 3.05E-02 | SAMD3 | intronic |
| 8 | 14341766 | T | C | rs145972868 | 9.11E-01 | 0.048 | 0.047 | 1.01 | 0.69 | -1.48 | 4.52E-05 | 0.068 | 0.034 | 2.10 | 1.43 | -3.08 | 1.43 | 3.06E-02 | SGCZ | intronic |
| 6 | 111298653 | G | A | rs9386971 | 5.09E-05 | 0.274 | 0.207 | 1.45 | 1.2 | -1.74 | 1.62E-01 | 0.187 | 0.207 | 0.88 | 0.69 | -1.12 | 1.20 | 3.06E-02 | GTF3C6(dist=9562), RPF2(dist=4567) | intergenic |
| 10 | 77599465 | C | T | rs187962909 | 3.37E-01 | 0.031 | 0.033 | 0.92 | 0.58 | -1.47 | 3.77E-05 | 0.085 | 0.050 | 1.77 | 1.26 | -2.49 | 1.47 | 3.08E-02 | C10orf11 | intronic |
| 5 | 30899448 | A | T | rs6870943 | 2.81E-05 | 0.210 | 0.157 | 1.43 | 1.16 | -1.75 | 8.35E-02 | 0.116 | 0.137 | 0.83 | 0.62 | -1.11 | 1.23 | 3.10E-02 | LOC101929681(dist=1503365), CDH6(dist=294314) | intergenic |
| 5 | 126499887 | C | T | rs73341291 | 9.20E-01 | 0.030 | 0.032 | 0.93 | 0.58 | -1.49 | 3.99E-05 | 0.044 | 0.021 | 2.12 | 1.33 | -3.4 | 1.63 | 3.10E-02 | C5orf63(dist=90703), MEGF10(dist=126569) | intergenic |
| 15 | 82472289 | C | A | rs66701409 | 4.99E-01 | 0.354 | 0.378 | 0.90 | 0.76 | -1.07 | 2.70E-05 | 0.428 | 0.327 | 1.54 | 1.27 | -1.86 | 1.16 | 3.10E-02 | EFTUD1 | intronic |
| 12 | 12113306 | G | T | rs188998780 | 8.07E-02 | 0.022 | 0.035 | 0.61 | 0.36 | -1.05 | 3.69E-11 | 0.070 | 0.027 | 2.69 | 1.83 | -3.95 | 1.57 | 3.15E-02 | RNU6-19P(dist=34199), BCL2L14(dist=110572) | intergenic |
| 8 | 139197980 | C | A | rs6980948 | 8.72E-01 | 0.052 | 0.056 | 0.93 | 0.65 | -1.34 | 2.02E-05 | 0.084 | 0.047 | 1.86 | 1.31 | -2.63 | 1.41 | 3.16E-02 | FAM135B | intronic |
| 3 | 73447726 | G | T | rs78795849 | 4.22E-01 | 0.087 | 0.102 | 0.84 | 0.63 | -1.12 | 2.95E-06 | 0.134 | 0.074 | 1.93 | 1.46 | -2.56 | 1.29 | 3.17E-02 | PDZRN3 | intronic |
| 6 | 111320794 | G | A | rs3763195 | 4.98E-05 | 0.276 | 0.209 | 1.44 | 1.2 | -1.74 | 1.50E-01 | 0.188 | 0.209 | 0.88 | 0.69 | -1.12 | 1.20 | 3.18E-02 | RPF2 | intronic |
| 15 | 82573127 | T | C | rs60064174 | 2.61E-01 | 0.288 | 0.316 | 0.87 | 0.73 | -1.04 | 1.89E-06 | 0.377 | 0.273 | 1.61 | 1.33 | -1.96 | 1.16 | 3.19E-02 | SAXO2 | intronic |
| 13 | 20840297 | C | T | rs79413175 | 3.06E-02 | 0.055 | 0.040 | 1.40 | 0.97 | -2.02 | 7.50E-06 | 0.053 | 0.030 | 1.81 | 1.18 | -2.76 | 1.61 | 3.19E-02 | GJB6(dist=33763), CRYL1(dist=137509) | intergenic |
| 2 | 221806151 | T | C | rs115447464 | 7.79E-01 | 0.034 | 0.037 | 0.92 | 0.59 | -1.44 | 3.28E-06 | 0.055 | 0.029 | 1.91 | 1.25 | -2.92 | 1.59 | 3.20E-02 | MIR4268(dist=1034865), EPHA4(dist=476596) | intergenic |
| 10 | 132590848 | G | C | rs56134754 | 6.21E-05 | 0.209 | 0.152 | 1.47 | 1.2 | - | | | | | | | | | | |

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|----|-----------|---|---|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 16 | 6803701 | T | A | rs116918951 | 4.77E-01 | 0.026 | 0.031 | 0.82 | 0.49 | -1.36 | 2.54E-05 | 0.053 | 0.028 | 1.94 | 1.26 | -2.99 | 1.69 | 3.40E-02 | RBFOX1 | intronic |
| 10 | 113758085 | A | G | rs114733639 | 8.46E-01 | 0.020 | 0.021 | 0.91 | 0.51 | -1.63 | 2.14E-05 | 0.039 | 0.021 | 1.86 | 1.14 | -3.06 | 1.94 | 3.40E-02 | ADRA2A(dist=917423), GPAM(dist=151537) | intergenic |
| 3 | 13721855 | G | A | rs7611688 | 7.36E-01 | 0.033 | 0.037 | 0.90 | 0.57 | -1.41 | 3.73E-05 | 0.054 | 0.027 | 2.00 | 1.31 | -3.07 | 1.58 | 3.41E-02 | LINC00620 | ncRNA_intronic |
| 20 | 62272658 | T | C | rs2150910;rs2315005 | 1.16E-05 | 0.067 | 0.039 | 0.57 | 0.4 | -0.81 | 3.18E-01 | 0.048 | 0.058 | 1.22 | 0.79 | -1.89 | 0.65 | 3.42E-02 | STMN3(NM_015894:c.*33A>G, NM_001276310:c.*33A>G) | UTR3 |
| 15 | 83622374 | C | G | rs8023400 | 4.36E-01 | 0.066 | 0.076 | 0.86 | 0.62 | -1.19 | 6.03E-06 | 0.115 | 0.065 | 1.88 | 1.39 | -2.53 | 1.32 | 3.43E-02 | HOMER2 | upstream |
| 12 | 106591677 | A | T | rs1427789 | 3.85E-01 | 0.226 | 0.242 | 1.09 | 0.9 | -1.33 | 2.53E-05 | 0.308 | 0.223 | 0.64 | 0.52 | -0.79 | 0.85 | 3.44E-02 | NUAK1(dist=57866), CKAP4(dist=39982) | intergenic |
| 2 | 77977725 | C | T | rs28815188 | 5.17E-01 | 0.100 | 0.114 | 0.86 | 0.66 | -1.13 | 1.39E-05 | 0.162 | 0.099 | 1.76 | 1.36 | -2.28 | 1.26 | 3.44E-02 | LOC101927967 | ncRNA_intronic |
| 6 | 111291060 | G | A | rs76602832 | 5.65E-05 | 0.275 | 0.209 | 1.44 | 1.2 | -1.74 | 1.49E-01 | 0.188 | 0.209 | 0.88 | 0.69 | -1.11 | 1.19 | 3.44E-02 | GTF3C6(dist=1969), RPF2(dist=12160) | intergenic |
| 6 | 32456288 | C | T | rs115479558 | 6.24E-05 | 0.062 | 0.097 | 0.62 | 0.44 | -0.85 | 2.77E-02 | 0.082 | 0.112 | 0.72 | 0.51 | -1 | 0.65 | 3.49E-02 | HLA-DRA(dist=43462), HLA-DRB5(dist=28866) | intergenic |
| 7 | 134423737 | A | C | rs78694204 | 7.49E-01 | 0.027 | 0.025 | 1.07 | 0.64 | -1.78 | 4.12E-05 | 0.061 | 0.041 | 1.49 | 1 | -2.22 | 1.72 | 3.49E-02 | BPGM(dist=59170), CALD1(dist=40427) | intergenic |
| 2 | 171473276 | C | T | rs13022715 | 8.61E-01 | 0.257 | 0.254 | 1.02 | 0.84 | -1.23 | 5.55E-05 | 0.352 | 0.297 | 1.28 | 1.06 | -1.56 | 1.20 | 3.50E-02 | MYO3B | intronic |
| 4 | 164806053 | A | G | rs73868927 | 5.45E-01 | 0.021 | 0.026 | 0.80 | 0.46 | -1.39 | 6.04E-05 | 0.050 | 0.021 | 2.50 | 1.6 | -3.91 | 1.57 | 3.51E-02 | MARCH1 | intronic |
| 14 | 103519468 | C | T | rs35771930 | 6.06E-01 | 0.079 | 0.076 | 1.04 | 0.77 | -1.41 | 2.53E-05 | 0.124 | 0.092 | 1.41 | 1.06 | -1.88 | 1.34 | 3.52E-02 | CDC42BPB | intronic |
| 10 | 17494200 | G | C | rs115963509 | 7.28E-01 | 0.040 | 0.044 | 0.90 | 0.6 | -1.36 | 4.28E-05 | 0.064 | 0.032 | 2.07 | 1.4 | -3.08 | 1.47 | 3.52E-02 | ST8SIA6 | intronic |
| 5 | 144354463 | G | A | rs13156339 | 3.24E-01 | 0.089 | 0.098 | 0.91 | 0.68 | -1.2 | 6.33E-06 | 0.164 | 0.109 | 1.60 | 1.24 | -2.07 | 1.28 | 3.53E-02 | KCTD16(dist=497519), PRELID2(dist=781444) | intergenic |
| 10 | 84981096 | T | C | rs7907663 | 5.50E-01 | 0.427 | 0.421 | 0.97 | 0.83 | -1.15 | 3.36E-05 | 0.528 | 0.442 | 0.71 | 0.59 | -0.85 | 0.87 | 3.54E-02 | NRG3(dist=234161), GHITM(dist=918089) | intergenic |
| 10 | 84980956 | G | A | rs7918420 | 5.48E-01 | 0.427 | 0.421 | 0.98 | 0.83 | -1.15 | 3.27E-05 | 0.528 | 0.442 | 0.71 | 0.59 | -0.85 | 0.87 | 3.54E-02 | NRG3(dist=234021), GHITM(dist=918229) | intergenic |
| 9 | 22412573 | G | A | rs115677197 | 5.10E-01 | 0.019 | 0.023 | 0.80 | 0.44 | -1.44 | 4.86E-05 | 0.054 | 0.026 | 2.18 | 1.42 | -3.34 | 1.60 | 3.56E-02 | CDKN2B-AS1(dist=291480), DMRTA1(dist=34267) | intergenic |
| 6 | 111236221 | C | T | rs9372272 | 6.09E-05 | 0.238 | 0.177 | 1.45 | 1.19 | -1.77 | 1.63E-01 | 0.150 | 0.168 | 0.87 | 0.67 | -1.13 | 1.21 | 3.58E-02 | AMD1(dist=19306), GTF3C6(dist=43542) | intergenic |
| 2 | 236817028 | C | A | rs114917352 | 7.91E-01 | 0.030 | 0.033 | 0.91 | 0.57 | -1.46 | 9.84E-06 | 0.050 | 0.027 | 1.92 | 1.24 | -2.99 | 1.67 | 3.59E-02 | AGAP1 | intronic |
| 9 | 71756263 | C | T | rs35906864 | 7.25E-01 | 0.112 | 0.117 | 0.95 | 0.73 | -1.23 | 2.67E-05 | 0.149 | 0.096 | 1.64 | 1.25 | -2.14 | 1.26 | 3.61E-02 | TJP2 | intronic |
| 2 | 241017468 | A | G | rs13385295 | 6.52E-01 | 0.035 | 0.041 | 0.86 | 0.56 | -1.33 | 4.47E-05 | 0.067 | 0.033 | 2.07 | 1.4 | -3.05 | 1.46 | 3.63E-02 | OR6B3(dist=31979), MYEOV2(dist=48512) | intergenic |
| 2 | 184033659 | G | A | rs114426262 | 6.71E-01 | 0.029 | 0.033 | 0.89 | 0.55 | -1.44 | 1.96E-07 | 0.047 | 0.022 | 2.20 | 1.39 | -3.49 | 1.64 | 3.65E-02 | NUP35(dist=7247), MIR548AE1(dist=1210043) | intergenic |
| 9 | 80216585 | C | A | rs73462041 | 8.75E-01 | 0.032 | 0.033 | 0.96 | 0.6 | -1.53 | 6.33E-05 | 0.045 | 0.022 | 2.07 | 1.3 | -3.31 | 1.64 | 3.66E-02 | GNA14 | intronic |
| 4 | 164802333 | A | G | rs56199172 | 5.40E-01 | 0.021 | 0.027 | 0.80 | 0.46 | -1.39 | 6.16E-05 | 0.050 | 0.021 | 2.49 | 1.59 | -3.9 | 1.57 | 3.66E-02 | MARCH1 | intronic |
| 13 | 106398016 | C | T | rs74529250 | 8.41E-01 | 0.122 | 0.130 | 0.93 | 0.73 | -1.19 | 2.68E-05 | 0.140 | 0.092 | 1.60 | 1.22 | -2.1 | 1.30 | 3.70E-02 | LINC00343 | ncRNA_intronic |
| 12 | 11871496 | T | C | rs2724618 | 6.34E-05 | 0.310 | 0.228 | 1.52 | 1.27 | -1.82 | 1.75E-01 | 0.243 | 0.290 | 0.79 | 0.63 | -0.98 | 1.17 | 3.70E-02 | ETV6 | intronic |
| 5 | 58141459 | A | G | rs2548233 | 5.03E-01 | 0.473 | 0.460 | 1.06 | 0.9 | -1.24 | 4.32E-05 | 0.386 | 0.463 | 0.73 | 0.6 | -0.88 | 0.85 | 3.72E-02 | RAB3C | intronic |
| 9 | 22415367 | C | T | rs116810914 | 5.06E-01 | 0.019 | 0.024 | 0.80 | 0.44 | -1.43 | 4.70E-05 | 0.054 | 0.026 | 2.18 | 1.42 | -3.35 | 1.59 | 3.72E-02 | CDKN2B-AS1(dist=294274), DMRTA1(dist=31473) | intergenic |
| 20 | 62270930 | C | A | rs909334 | 3.89E-05 | 0.107 | 0.063 | 1.79 | 1.36 | -2.37 | 2.17E-01 | 0.064 | 0.085 | 0.74 | 0.5 | -1.08 | 1.32 | 3.74E-02 | STMN3 | downstream |
| 10 | 17514846 | T | C | rs114866472 | 6.08E-01 | 0.037 | 0.042 | 0.86 | 0.56 | -1.32 | 1.80E-05 | 0.063 | 0.029 | 2.22 | 1.49 | -3.31 | 1.46 | 3.76E-02 | ST8SIA6(dist=18592), HACD1(dist=117112) | intergenic |
| 15 | 83617358 | G | A | rs115977842 | 3.65E-01 | 0.069 | 0.080 | 0.85 | 0.62 | -1.17 | 3.92E-06 | 0.123 | 0.070 | 1.85 | 1.38 | -2.48 | 1.31 | 3.76E-02 | HOMER2 | intronic |
| 13 | 80256123 | C | T | rs111578707 | 7.12E-01 | 0.036 | 0.041 | 0.87 | 0.57 | -1.34 | 3.32E-05 | 0.062 | 0.034 | 1.87 | 1.25 | -2.78 | 1.55 | 3.77E-02 | LINC01068(dist=110542), LINC01038(dist=122398) | intergenic |
| 4 | 154798068 | G | A | rs10028498 | 3.73E-01 | 0.092 | 0.108 | 0.83 | 0.63 | -1.1 | 2.93E-05 | 0.162 | 0.097 | 1.80 | 1.39 | -2.33 | 1.25 | 3.79E-02 | SFRP2(dist=87840), DCHS2(dist=357459) | intergenic |
| 7 | 52792779 | G | A | rs6944572 | 6.17E-01 | 0.420 | 0.436 | 0.94 | 0.79 | -1.1 | 4.89E-05 | 0.469 | 0.385 | 1.41 | 1.17 | -1.7 | 1.16 | 3.86E-02 | COBL(dist=1408264), POM121L12(dist=310570) | intergenic |
| 8 | 139196273 | G | T | rs75595591 | 8.44E-01 | 0.051 | 0.055 | 0.92 | 0.64 | -1.33 | 3.37E-05 | 0.083 | 0.047 | 1.82 | 1.29 | -2.58 | 1.39 | 3.86E-02 | FAM135B | intronic |
| 13 | 71293311 | C | G | rs9572536 | 6.70E-01 | 0.060 | 0.064 | 0.94 | 0.67 | -1.33 | 5.66E-05 | 0.099 | 0.067 | 1.53 | 1.12 | -2.1 | 1.46 | 3.87E-02 | ATXN8OS(dist=579426), LINC00348(dist=295962) | intergenic |
| 17 | 39033017 | G | T | rs114253486 | 3.42E-01 | 0.029 | 0.039 | 0.74 | 0.46 | -1.19 | 1.04E-05 | 0.070 | 0.034 | 2.17 | 1.49 | -3.17 | 1.47 | 3.88E-02 | KRT20 | intronic |
| 16 | 84664053 | G | A | rs141573200 | 6.23E-01 | 0.048 | 0.054 | 0.89 | 0.61 | -1.3 | 4.84E-06 | 0.068 | 0.038 | 1.86 | 1.27 | -2.72 | 1.51 | 3.92E-02 | COTL1(dist=12351), KLHL36(dist=18064) | intergenic |
| 3 | 114203698 | G | A | rs185133665 | 4.33E-01 | 0.031 | 0.036 | 0.84 | 0.53 | -1.34 | 4.30E-07 | 0.052 | 0.025 | 2.18 | 1.41 | -3.38 | 1.66 | 3.92E-02 | LOC101929754 | ncRNA_intronic |
| 16 | 80527354 | C | T | rs74029688 | 6.43E-01 | 0.023 | 0.027 | 0.86 | 0.5 | -1.47 | 6.41E-05 | 0.046 | 0.023 | 2.07 | 1.31 | -3.29 | 1.66 | 3.93E-02 | LOC102724084 | ncRNA_intronic |
| 7 | 22032649 | T | A | rs954717 | 5.79E-01 | 0.454 | 0.461 | 0.98 | 0.83 | -1.15 | 3.22E-05 | 0.527 | 0.443 | 1.40 | 1.16 | -1.69 | 1.15 | 3.94E-02 | CDCA7L(dist=47107), RAPGEF5(dist=125259) | intergenic |
| 5 | 75952023 | G | T | rs192399236;rs374730529 | 6.60E-01 | 0.029 | 0.035 | 0.85 | 0.53 | -1.36 | 1.27E-05 | 0.056 | 0.029 | 2.00 | 1.32 | -3.04 | 1.55 | 3.98E-02 | IQGAP2 | intronic |
| 6 | 37604335 | C | A | rs7808023 | 3.78E-01 | 0.395 | 0.416 | 0.92 | 0.78 | -1.08 | 2.01E-05 | 0.504 | 0.404 | 1.50 | 1.24 | -1.81 | 1.15 | 4.03E-02 | MDGA1(NM_153487:c.*809G>T) | UTR3 |
| 9 | 137960713 | G | A | rs115958038 | 9.37E-01 | 0.031 | 0.033 | 0.95 | 0.6 | -1.51 | 4.91E-06 | 0.047 | 0.023 | 2.05 | 1.3 | -3.24 | 1.58 | 4.06E-02 | FCN1(dist=150907), OLFM1(dist=6376) | intergenic |
| 1 | 53837019 | A | T | rs115366171 | 5.56E-01 | 0.030 | 0.035 | 0.85 | 0.53 | -1.37 | 5.37E-05 | 0.058 | 0.031 | 1.95 | 1.29 | -2.94 | 1.58 | 4.14E-02 | LRP8(dist=43198), SLC25A3P1(dist=67024) | intergenic |
| 15 | 101952917 | T | A | rs200042293;rs74248303 | 7.42E-01 | 0.156 | 0.162 | 0.96 | 0.76 | -1.2 | 2.76E-05 | 0.196 | 0.150 | 1.38 | 1.09 | -1.76 | 1.26 | 4.15E-02 | PCSK6 | intronic |
| 20 | 62303622 | T | G | rs6011018 | 7.56E-06 | 0.099 | 0.051 | 0.49 | 0.36 | -0.65 | 9.81E-02 | 0.060 | 0.086 | 1.48 | 1 | -2.18 | 0.77 | 4.17E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 4 | 154655006 | T | C | rs78024257 | 4.47E-01 | 0.051 | 0.059 | 0.85 | 0.59 | -1.23 | 4.75E-05 | 0.093 | 0.055 | 1.76 | 1.27 | -2.45 | 1.42 | 4.19E-02 | RNF175 | intronic |
| 3 | 27807033 | G | T | rs145915947 | 5.77E-01 | 0.032 | 0.036 | 0.90 | 0.57 | -1.42 | 5.70E-06 | 0.050 | 0.024 | 2.16 | 1.39 | -3.37 | 1.57 | 4.20E-02 | EOMES(dist=42827), CMC1(dist=476091) | intergenic |
| 20 | 62304299 | T | G | rs4809321 | 6.63E-06 | 0.099 | 0.050 | 0.48 | 0.36 | -0.65 | 9.10E-02 | 0.056 | 0.083 | 1.52 | 1.01 | -2.27 | 0.77 | 4.20E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 4 | 92136545 | T | C | rs4414919 | 2.55E-01 | 0.380 | 0.398 | 0.93 | 0.79 | -1.1 | 1.17E-05 | 0.482 | 0.384 | 1.49 | 1.24 | -1.8 | 1.14 | 4.21E-02 | CCSER1 | intronic |
| 2 | 2315529 | C | T | rs77353199 | 5.08E-05 | 0.061 | 0.032 | 1.96 | 1.36 | -2.82 | 7.25E-02 | 0.027 | 0.039 | 0.68 | 0.38 | -1.2 | 1.45 | 4.24E-02 | MYT1L | intronic |
| 20 | 62282439 | G | A | rs4809320 | 9.88E-06 | 0.112 | 0.064 | 0.54 | 0.41 | -0.71 | 1.02E-01 | 0.065 | 0.090 | 1.43 | 0.98 | -2.08 | 0.77 | 4.25E-02 | STMN3 | intronic |
| 5 | 75951979 | C | T | rs144338768 | 6.76E-01 | 0.029 | 0.034 | 0.85 | 0.53 | -1.37 | 2.27E-05 | 0.055 | 0.029 | 2.00 | 1.31 | -3.04 | 1.54 | 4.27E-02 | IQGAP2 | intronic |
| 4 | 185388487 | A | C | rs3775582 | 3.54E-01 | 0.171 | 0.190 | 0.88 | 0.71 | -1.09 | 6.04E-06 | 0.235 | 0.162 | 1.58 | 1.27 | -1.98 | 1.20 | 4.31E-02 | IRF2 | intronic |
| 8 | 16371209 | C | A | rs73544219 | 8.60E-01 | 0.046 | 0.048 | 0.96 | 0.65 | -1.41 | 3.51E-05 | 0.063 | 0.031 | 2.09 | 1.41 | -3.11 | 1.42 | 4.31E-02 | MSR1(dist=320909), FGF20(dist=479125) | intergenic |
| 1 | | | | | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 20 | 62306410 | A | G | rs3787100 | 8.24E-06 | 0.098 | 0.051 | 0.49 | 0.37 | -0.66 | 1.00E-01 | 0.058 | 0.084 | 1.49 | 1 | -2.22 | 0.77 | 4.65E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 10 | 17515427 | T | A | rs116584043 | 5.90E-01 | 0.037 | 0.043 | 0.86 | 0.56 | -1.31 | 3.53E-05 | 0.065 | 0.031 | 2.14 | 1.45 | -3.18 | 1.43 | 4.66E-02 | STBSIA6(dist=19173), HACD1(dist=116531) | intergenic |
| 4 | 185392400 | G | A | rs7681613 | 4.51E-01 | 0.171 | 0.189 | 0.89 | 0.72 | -1.1 | 5.53E-05 | 0.242 | 0.170 | 1.57 | 1.26 | -1.95 | 1.18 | 4.70E-02 | IRF2 | intronic |
| 8 | 87271776 | T | C | rs4484676 | 2.72E-05 | 0.317 | 0.232 | 1.54 | 1.29 | -1.84 | 4.52E-02 | 0.220 | 0.272 | 0.76 | 0.61 | -0.95 | 1.16 | 4.70E-02 | SLC7A13(dist=29172), WWP1(dist=83218) | intergenic |
| 15 | 81449585 | A | G | rs145767028 | 4.88E-01 | 0.056 | 0.065 | 0.86 | 0.61 | -1.22 | 2.23E-05 | 0.093 | 0.055 | 1.77 | 1.28 | -2.46 | 1.37 | 4.72E-02 | C15orf26(dist=8069), IL16(dist=39634) | intergenic |
| 12 | 78031005 | T | C | rs11106072 | 3.42E-01 | 0.169 | 0.180 | 0.92 | 0.74 | -1.15 | 5.13E-05 | 0.259 | 0.193 | 1.47 | 1.18 | -1.82 | 1.19 | 4.74E-02 | E2F7(dist=571645), NAV3(dist=194064) | intergenic |
| 14 | 63521760 | C | T | rs144054281 | 4.16E-01 | 0.041 | 0.049 | 0.82 | 0.55 | -1.23 | 5.82E-05 | 0.083 | 0.042 | 2.08 | 1.47 | -2.95 | 1.37 | 4.74E-02 | KCNH5(dist=9804), RHOJ(dist=149342) | intergenic |
| 16 | 84664342 | G | A | rs77843743 | 5.17E-01 | 0.045 | 0.051 | 0.87 | 0.59 | -1.28 | 3.31E-06 | 0.068 | 0.037 | 1.88 | 1.28 | -2.75 | 1.50 | 4.74E-02 | COTL1(dist=12640), KLHL36(dist=17775) | intergenic |
| 18 | 59247774 | C | T | rs896643 | 5.29E-05 | 0.094 | 0.055 | 0.56 | 0.42 | -0.75 | 1.37E-01 | 0.057 | 0.073 | 1.31 | 0.88 | -1.96 | 0.76 | 4.74E-02 | CDH20(dist=25409), LINC01544(dist=167635) | intergenic |
| 17 | 71924339 | T | C | rs78448173 | 7.89E-01 | 0.028 | 0.030 | 0.91 | 0.56 | -1.49 | 5.65E-05 | 0.048 | 0.023 | 2.18 | 1.38 | -3.43 | 1.52 | 4.75E-02 | LINC00469(dist=99663), RPL38(dist=275456) | intergenic |
| 17 | 71920803 | G | A | rs77319145 | 8.06E-01 | 0.028 | 0.030 | 0.91 | 0.56 | -1.5 | 5.97E-05 | 0.048 | 0.023 | 2.16 | 1.37 | -3.41 | 1.52 | 4.76E-02 | LINC00469(dist=96127), RPL38(dist=278992) | intergenic |
| 17 | 71920256 | T | C | rs77767261 | 8.09E-01 | 0.028 | 0.030 | 0.92 | 0.56 | -1.5 | 6.09E-05 | 0.048 | 0.023 | 2.16 | 1.37 | -3.4 | 1.52 | 4.76E-02 | LINC00469(dist=95580), RPL38(dist=279539) | intergenic |
| 2 | 212864405 | T | C | rs16847462 | 4.34E-01 | 0.213 | 0.228 | 0.92 | 0.75 | -1.12 | 3.24E-05 | 0.285 | 0.205 | 1.55 | 1.26 | -1.91 | 1.17 | 4.76E-02 | ERBB4 | intronic |
| 17 | 71919552 | T | C | rs74368176 | 8.11E-01 | 0.028 | 0.030 | 0.92 | 0.56 | -1.5 | 6.14E-05 | 0.047 | 0.023 | 2.16 | 1.37 | -3.4 | 1.52 | 4.76E-02 | LINC00469(dist=94876), RPL38(dist=280243) | intergenic |
| 15 | 82456227 | T | C | rs1128431 | 2.00E-01 | 0.295 | 0.327 | 0.86 | 0.72 | -1.03 | 4.00E-06 | 0.387 | 0.283 | 1.60 | 1.32 | -1.94 | 1.15 | 4.77E-02 | EFTUD1 | exonic |
| 14 | 63525348 | T | G | rs149136792 | 4.14E-01 | 0.041 | 0.049 | 0.82 | 0.55 | -1.23 | 5.83E-05 | 0.083 | 0.042 | 2.08 | 1.47 | -2.95 | 1.37 | 4.77E-02 | KCNH5(dist=13392), RHOJ(dist=145754) | intergenic |
| 17 | 71919425 | T | C | rs77161547 | 8.12E-01 | 0.028 | 0.030 | 0.92 | 0.56 | -1.5 | 6.19E-05 | 0.047 | 0.023 | 2.15 | 1.37 | -3.4 | 1.52 | 4.77E-02 | LINC00469(dist=94749), RPL38(dist=280370) | intergenic |
| 17 | 71919442 | T | C | rs75083833 | 8.12E-01 | 0.028 | 0.030 | 0.92 | 0.56 | -1.5 | 6.19E-05 | 0.047 | 0.023 | 2.15 | 1.37 | -3.4 | 1.52 | 4.77E-02 | LINC00469(dist=94766), RPL38(dist=280353) | intergenic |
| 10 | 17516607 | C | T | rs113844030 | 5.78E-01 | 0.037 | 0.043 | 0.85 | 0.56 | -1.31 | 3.17E-05 | 0.064 | 0.031 | 2.15 | 1.45 | -3.19 | 1.43 | 4.78E-02 | STBSIA6(dist=20353), HACD1(dist=115351) | intergenic |
| 14 | 63527015 | G | T | rs145421435 | 4.13E-01 | 0.041 | 0.049 | 0.82 | 0.54 | -1.23 | 5.83E-05 | 0.083 | 0.042 | 2.08 | 1.47 | -2.95 | 1.37 | 4.79E-02 | KCNH5(dist=15059), RHOJ(dist=144087) | intergenic |
| 20 | 62310810 | T | C | rs6062301 | 2.54E-05 | 0.097 | 0.051 | 0.51 | 0.38 | -0.68 | 1.43E-01 | 0.059 | 0.083 | 1.44 | 0.97 | -2.13 | 0.77 | 4.80E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 3 | 88982187 | A | G | rs12714725 | 2.75E-01 | 0.047 | 0.051 | 1.09 | 0.74 | -1.6 | 1.44E-05 | 0.096 | 0.062 | 0.63 | 0.45 | -0.87 | 0.73 | 4.80E-02 | C3orf38(dist=775072), EPHA3(dist=174487) | intergenic |
| 17 | 71918506 | A | G | rs116308099 | 8.14E-01 | 0.028 | 0.030 | 0.92 | 0.56 | -1.5 | 6.39E-05 | 0.047 | 0.023 | 2.15 | 1.36 | -3.39 | 1.52 | 4.81E-02 | LINC00469(dist=93830), RPL38(dist=281289) | intergenic |
| 19 | 43624607 | C | T | rs386809536;rs2354286 | 5.06E-05 | 0.124 | 0.077 | 0.59 | 0.45 | -0.76 | 2.11E-01 | 0.093 | 0.114 | 1.26 | 0.91 | -1.73 | 0.78 | 4.81E-02 | PSG2(dist=37714), PSG5(dist=47288) | intergenic |
| 20 | 62300811 | G | T | rs3848669 | 7.31E-06 | 0.098 | 0.050 | 0.48 | 0.36 | -0.65 | 8.09E-02 | 0.055 | 0.083 | 1.54 | 1.03 | -2.3 | 0.78 | 4.82E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 3 | 194688387 | T | C | rs73075243 | 5.96E-01 | 0.025 | 0.029 | 0.84 | 0.5 | -1.41 | 4.99E-05 | 0.049 | 0.025 | 2.01 | 1.28 | -3.14 | 1.61 | 4.84E-02 | LOC100507391(dist=185490), XXYL1(dist=100626) | intergenic |
| 2 | 217439584 | G | T | rs116785944 | 4.71E-02 | 0.058 | 0.046 | 1.27 | 0.89 | -1.81 | 3.65E-05 | 0.065 | 0.038 | 1.75 | 1.19 | -2.57 | 1.65 | 4.84E-02 | LINC01280(dist=21923), IGFBP2(dist=4543) | intergenic |
| 16 | 81066885 | A | G | rs62054588 | 5.41E-01 | 0.039 | 0.043 | 0.90 | 0.59 | -1.37 | 4.57E-05 | 0.073 | 0.042 | 1.82 | 1.26 | -2.63 | 1.42 | 4.85E-02 | CENPN | downstream |
| 2 | 77909031 | T | C | rs116135915 | 2.83E-01 | 0.019 | 0.026 | 0.72 | 0.4 | -1.29 | 9.18E-06 | 0.058 | 0.025 | 2.38 | 1.57 | -3.61 | 1.51 | 4.86E-02 | LOC101927967 | ncRNA_intronic |
| 7 | 64542260 | C | G | rs115440814 | 9.77E-01 | 0.051 | 0.051 | 0.99 | 0.68 | -1.44 | 5.30E-05 | 0.063 | 0.038 | 1.70 | 1.15 | -2.52 | 1.46 | 4.91E-02 | CCT6P3(dist=7169), ZNF92(dist=296452) | intergenic |
| 13 | 58713821 | A | G | rs114787364 | 3.78E-01 | 0.018 | 0.026 | 0.70 | 0.39 | -1.26 | 2.97E-05 | 0.049 | 0.020 | 2.53 | 1.61 | -3.97 | 1.56 | 4.95E-02 | PCDH17(dist=410756), LOC101926897(dist=26140) | intergenic |
| 13 | 104806714 | A | T | rs9670144 | 9.37E-01 | 0.021 | 0.022 | 0.95 | 0.54 | -1.66 | 4.55E-05 | 0.036 | 0.021 | 1.79 | 1.07 | -2.99 | 1.80 | 4.96E-02 | LINC01309(dist=726679), DAOA-AS1(dist=1304692) | intergenic |
| 2 | 58496636 | G | A | rs145270516 | 3.67E-05 | 0.069 | 0.035 | 2.06 | 1.46 | -2.92 | 2.21E-02 | 0.014 | 0.031 | 0.44 | 0.2 | -0.97 | 1.41 | 4.97E-02 | FANCL(dist=28121), LINC01122(dist=251252) | intergenic |
| 2 | 212863115 | A | G | rs7424635 | 4.15E-01 | 0.212 | 0.228 | 0.91 | 0.75 | -1.11 | 3.02E-05 | 0.285 | 0.205 | 1.55 | 1.26 | -1.91 | 1.17 | 5.00E-02 | ERBB4 | intronic |
| 8 | 48583476 | T | G | rs7816091 | 5.96E-01 | 0.030 | 0.035 | 0.84 | 0.52 | -1.34 | 3.97E-06 | 0.052 | 0.023 | 2.31 | 1.49 | -3.58 | 1.50 | 5.01E-02 | SPIDR | intronic |
| 3 | 61642050 | C | T | rs150070786 | 6.49E-01 | 0.028 | 0.032 | 0.88 | 0.54 | -1.44 | 3.53E-05 | 0.050 | 0.026 | 1.94 | 1.24 | -3.02 | 1.58 | 5.01E-02 | PTPRG | intronic |
| 1 | 157607547 | C | A | rs386635844;rs2758687 | 4.17E-01 | 0.445 | 0.424 | 1.09 | 0.92 | -1.28 | 5.02E-05 | 0.341 | 0.432 | 0.68 | 0.56 | -0.83 | 0.88 | 5.02E-02 | FCRL4(dist=39677), FCRL3(dist=40431) | intergenic |
| 20 | 62294402 | A | T | rs6010998 | 7.05E-06 | 0.099 | 0.050 | 0.48 | 0.36 | -0.65 | 7.74E-02 | 0.055 | 0.083 | 1.54 | 1.03 | -2.31 | 0.78 | 5.04E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 20 | 62312299 | T | C | rs2297440 | 3.41E-05 | 0.096 | 0.052 | 0.51 | 0.38 | -0.69 | 1.56E-01 | 0.060 | 0.083 | 1.43 | 0.96 | -2.11 | 0.78 | 5.04E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 20 | 62312497 | A | G | rs4809323 | 3.39E-05 | 0.096 | 0.052 | 0.51 | 0.38 | -0.69 | 1.56E-01 | 0.060 | 0.083 | 1.43 | 0.97 | -2.11 | 0.78 | 5.04E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 20 | 62293460 | T | C | rs2297433 | 6.95E-06 | 0.099 | 0.050 | 0.48 | 0.36 | -0.65 | 7.72E-02 | 0.055 | 0.083 | 1.54 | 1.03 | -2.31 | 0.78 | 5.05E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 5 | 14680451 | C | T | rs25941 | 6.57E-01 | 0.025 | 0.027 | 0.92 | 0.55 | -1.54 | 1.01E-05 | 0.060 | 0.039 | 1.58 | 1.06 | -2.36 | 1.56 | 5.05E-02 | OTULIN | intronic |
| 6 | 107370864 | A | G | rs9480722 | 5.85E-01 | 0.194 | 0.209 | 1.10 | 0.89 | -1.35 | 3.13E-05 | 0.245 | 0.178 | 0.67 | 0.54 | -0.83 | 0.83 | 5.06E-02 | C6orf203 | intronic |
| 8 | 48843926 | T | C | rs140789033 | 4.98E-01 | 0.030 | 0.037 | 0.80 | 0.5 | -1.27 | 3.26E-05 | 0.062 | 0.030 | 2.13 | 1.43 | -3.18 | 1.45 | 5.07E-02 | PRKDC | intronic |
| 16 | 6800542 | G | C | rs142467851 | 4.33E-01 | 0.028 | 0.034 | 0.82 | 0.51 | -1.33 | 5.42E-05 | 0.054 | 0.029 | 1.87 | 1.22 | -2.86 | 1.61 | 5.08E-02 | RBFOX1 | intronic |
| 9 | 22426920 | T | C | rs140856068 | 3.84E-01 | 0.017 | 0.023 | 0.74 | 0.4 | -1.37 | 4.86E-05 | 0.053 | 0.025 | 2.21 | 1.43 | -3.4 | 1.55 | 5.09E-02 | CDKN2B-AS1(dist=305827), DMRTA1(dist=19920) | intergenic |
| 8 | 135554231 | C | T | rs57219802 | 6.31E-05 | 0.082 | 0.040 | 2.13 | 1.55 | -2.94 | 8.01E-02 | 0.038 | 0.063 | 0.59 | 0.37 | -0.96 | 1.33 | 5.11E-02 | ZFAT | intronic |
| 20 | 62312755 | G | A | rs7361098 | 3.48E-05 | 0.096 | 0.052 | 0.51 | 0.38 | -0.69 | 1.54E-01 | 0.060 | 0.083 | 1.43 | 0.97 | -2.11 | 0.78 | 5.14E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 15 | 82444663 | T | C | rs2292071 | 2.09E-01 | 0.300 | 0.332 | 0.86 | 0.72 | -1.03 | 6.06E-06 | 0.391 | 0.287 | 1.59 | 1.31 | -1.93 | 1.14 | 5.17E-02 | EFTUD1 | exonic |
| 2 | 58866943 | T | G | rs17190583 | 3.72E-01 | 0.030 | 0.033 | 0.91 | 0.56 | -1.46 | 3.03E-05 | 0.069 | 0.040 | 1.74 | 1.19 | -2.55 | 1.45 | 5.22E-02 | LINC01122 | ncRNA_intronic |
| 15 | 90919640 | C | T | rs74038640 | 4.33E-01 | 0.020 | 0.026 | 0.79 | 0.45 | -1.39 | 2.21E-05 | 0.049 | 0.029 | 2.25 | 1.43 | -3.53 | 1.59 | 5.23E-02 | ZNF774(dist=14925), IQGAP1(dist=11833) | intergenic |
| 3 | 186420456 | G | A | rs115216474 | 4.81E-01 | 0.034 | 0.038 | 0.88 | 0.56 | -1.37 | 5.66E-05 | 0.055 | 0.029 | 1.94 | 1.27 | -2.95 | 1.59 | 5.24E-02 | HRG(dist=24433), KNG1(dist=14642) | intergenic |
| 5 | 4191991 | G | T | rs73044052 | 9.03E-01 | 0.034 | 0.036 | 0.95 | 0.61 | -1.48 | 1.47E-05 | 0.045 | 0.026 | 1.72 | 1.08 | -2.73 | 1.59 | 5.27E-02 | IRX1(dist=590474), LOC101929153(dist=581603) | intergenic |
| 20 | 37020127 | A | T | rs60117239 | 4.96E-02 | 0.036 | 0.027 | 1.35 | 0.86 | -2.12 | 2.26E-06 | 0.035 | 0.021 | 1.67 | 1 | -2.81 | 1.97 | 5.28E-02 | LBP(dist=14474), SNHG17(dist=29112) | intergenic |
| 1 | 114451386 | G | A | rs12046289 | 7.18E-01 | 0.041 | 0.037 | 1.11 | 0.73 | -1.68 | 5.45E-05 | 0.082 | 0.056 | 1.50 | 1.06 | -2.12 | 1.43 | 5.28E-02 | DCLRE1B | intronic |
| 17 | 71925763 | A | T | rs78796761 | 7.42E-01 | 0.027 | 0.030 | 0.90 | 0.54 | -1.47 | 5.59E-05 | 0.047 | 0.022 | 2.23 | 1.41 | -3.53 | 1.51 | 5.31E-02 | LINC00469(dist=101087), RPL38(dist=274032) | intergenic |
| 17 | 71924944 | A | T | rs74576540 | 7.46E-01 | 0.027 | 0.0 | | | | | | | | | | | | | |

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|----|-----------|---|---|-----------------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 15 | 82485778 | C | T | rs8040160 | 3.50E-01 | 0.306 | 0.331 | 0.89 | 0.74 | -1.06 | 5.88E-05 | 0.394 | 0.303 | 1.50 | 1.23 | -1.81 | 1.15 | 5.59E-02 | EFTUD1 | intronic |
| 15 | 82475130 | T | C | rs28529095 | 1.52E-01 | 0.291 | 0.326 | 0.85 | 0.71 | -1.02 | 2.89E-06 | 0.390 | 0.284 | 1.61 | 1.32 | -1.95 | 1.14 | 5.62E-02 | EFTUD1 | intronic |
| 2 | 78001111 | A | C | rs145109768 | 3.78E-01 | 0.054 | 0.064 | 0.84 | 0.59 | -1.19 | 2.09E-05 | 0.096 | 0.049 | 2.06 | 1.49 | -2.86 | 1.30 | 5.65E-02 | LOC101927967 | ncRNA_intronic |
| 3 | 73468649 | G | A | rs147520552 | 4.08E-01 | 0.042 | 0.051 | 0.82 | 0.55 | -1.23 | 7.78E-06 | 0.068 | 0.033 | 2.15 | 1.47 | -3.16 | 1.43 | 5.66E-02 | PDZRN3 | intronic |
| 2 | 78003210 | C | T | rs74987019 | 3.70E-01 | 0.054 | 0.064 | 0.84 | 0.59 | -1.19 | 1.88E-05 | 0.096 | 0.049 | 2.06 | 1.49 | -2.86 | 1.30 | 5.66E-02 | LOC101927967 | ncRNA_intronic |
| 5 | 75937603 | G | T | rs114677303 | 5.17E-01 | 0.027 | 0.033 | 0.80 | 0.48 | -1.3 | 1.05E-05 | 0.055 | 0.028 | 2.02 | 1.33 | -3.09 | 1.50 | 5.67E-02 | IQGAP2 | intronic |
| 2 | 78057285 | A | G | rs76786067 | 1.24E-01 | 0.015 | 0.024 | 0.63 | 0.33 | -1.2 | 1.13E-05 | 0.057 | 0.024 | 2.47 | 1.62 | -3.76 | 1.53 | 5.68E-02 | LOC101927967 | ncRNA_intronic |
| 4 | 134114628 | C | A | rs76968169 | 6.10E-01 | 0.092 | 0.101 | 0.90 | 0.68 | -1.19 | 5.48E-05 | 0.129 | 0.082 | 1.64 | 1.24 | -2.18 | 1.28 | 5.74E-02 | PCDH10(NM_032961:c.*3313C>A) | UTR3 |
| 15 | 82447326 | T | C | rs61203524 | 3.94E-01 | 0.358 | 0.385 | 0.89 | 0.75 | -1.05 | 6.07E-05 | 0.429 | 0.333 | 1.50 | 1.24 | -1.82 | 1.14 | 5.75E-02 | EFTUD1 | intronic |
| 13 | 27446491 | C | A | rs78867551 | 3.52E-01 | 0.023 | 0.025 | 0.91 | 0.53 | -1.56 | 5.85E-05 | 0.057 | 0.035 | 1.66 | 1.1 | -2.5 | 1.67 | 5.79E-02 | GPR12(dist=111569), USP12(dist=193796) | intergenic |
| 18 | 68559227 | G | A | rs116481923 | 2.01E-01 | 0.021 | 0.032 | 0.65 | 0.37 | -1.13 | 3.30E-06 | 0.060 | 0.026 | 2.42 | 1.6 | -3.64 | 1.47 | 5.82E-02 | GTSCR1(dist=241134), LINC01541(dist=627973) | intergenic |
| 4 | 185393621 | C | G | rs67252769 | 3.90E-01 | 0.168 | 0.187 | 0.88 | 0.71 | -1.09 | 5.41E-05 | 0.240 | 0.168 | 1.57 | 1.25 | -1.95 | 1.17 | 5.84E-02 | IRF2 | intronic |
| 5 | 2937355 | C | T | rs116496889 | 6.78E-01 | 0.029 | 0.033 | 0.89 | 0.55 | -1.43 | 2.85E-05 | 0.047 | 0.022 | 2.16 | 1.36 | -3.42 | 1.51 | 5.87E-02 | C5orf38(dist=181844), LINC01377(dist=240594) | intergenic |
| 4 | 114306010 | T | G | rs115471813 | 6.54E-01 | 0.026 | 0.030 | 0.85 | 0.51 | -1.41 | 4.74E-05 | 0.044 | 0.020 | 2.24 | 1.39 | -3.59 | 1.55 | 5.88E-02 | ANK2(dist=1114), CAMK2D(dist=66178) | intergenic |
| 18 | 68663734 | A | T | rs17083275 | 2.62E-01 | 0.025 | 0.035 | 0.70 | 0.42 | -1.17 | 3.63E-06 | 0.060 | 0.026 | 2.40 | 1.59 | -3.62 | 1.45 | 5.95E-02 | GTSCR1(dist=245641), LINC01541(dist=623466) | intergenic |
| 5 | 75950540 | G | A | rs113700636 | 5.52E-01 | 0.027 | 0.034 | 0.81 | 0.5 | -1.33 | 2.35E-05 | 0.056 | 0.029 | 2.00 | 1.31 | -3.04 | 1.49 | 5.96E-02 | IQGAP2 | intronic |
| 4 | 92142940 | A | G | rs13146287 | 2.07E-01 | 0.383 | 0.404 | 0.92 | 0.78 | -1.08 | 9.91E-06 | 0.495 | 0.399 | 1.47 | 1.22 | -1.77 | 1.13 | 6.03E-02 | CCSER1 | intronic |
| 20 | 62318856 | G | C | rs6062490 | 5.21E-05 | 0.104 | 0.059 | 0.55 | 0.41 | -0.72 | 1.47E-01 | 0.063 | 0.087 | 1.42 | 0.97 | -2.08 | 0.79 | 6.04E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 6 | 29446855 | C | T | rs11963957 | 3.55E-01 | 0.110 | 0.126 | 0.85 | 0.66 | -1.1 | 6.21E-05 | 0.177 | 0.111 | 1.73 | 1.35 | -2.22 | 1.22 | 6.06E-02 | OR2H1(dist=14756), MAS1L(dist=7688) | intergenic |
| 7 | 53570901 | A | G | rs185976796 | 3.03E-01 | 0.020 | 0.024 | 0.80 | 0.45 | -1.42 | 2.71E-06 | 0.045 | 0.021 | 2.19 | 1.37 | -3.49 | 1.66 | 6.08E-02 | POM121L12(dist=466283), LINC01446(dist=152301) | intergenic |
| 10 | 17520672 | A | C | rs78632294 | 5.15E-01 | 0.046 | 0.053 | 0.87 | 0.59 | -1.27 | 3.77E-05 | 0.077 | 0.042 | 1.93 | 1.34 | -2.76 | 1.37 | 6.14E-02 | ST8SIA6(dist=24418), HADC11(dist=111286) | intergenic |
| 4 | 114305491 | A | G | rs79514577 | 6.51E-01 | 0.026 | 0.030 | 0.85 | 0.51 | -1.41 | 5.51E-05 | 0.044 | 0.020 | 2.24 | 1.4 | -3.6 | 1.54 | 6.15E-02 | ANK2 | downstream |
| 15 | 83338732 | G | A | rs67205493 | 3.04E-01 | 0.190 | 0.211 | 0.88 | 0.72 | -1.08 | 2.87E-05 | 0.272 | 0.195 | 1.54 | 1.25 | -1.91 | 1.17 | 6.16E-02 | CPEB1-AS1 | ncRNA_intronic |
| 2 | 78001451 | T | A | rs113623128 | 3.49E-01 | 0.056 | 0.066 | 0.83 | 0.59 | -1.18 | 1.97E-05 | 0.098 | 0.051 | 2.03 | 1.47 | -2.81 | 1.30 | 6.16E-02 | LOC101927967 | ncRNA_intronic |
| 1 | 169498835 | G | A | rs386636637;rs6008 | 4.46E-05 | 0.153 | 0.107 | 1.50 | 1.19 | -1.9 | 1.75E-01 | 0.111 | 0.130 | 0.84 | 0.62 | -1.13 | 1.22 | 6.17E-02 | F5 | intronic |
| 4 | 154867947 | A | G | rs11935708 | 3.10E-01 | 0.256 | 0.284 | 0.87 | 0.72 | -1.04 | 2.18E-05 | 0.325 | 0.231 | 1.60 | 1.31 | -1.96 | 1.15 | 6.26E-02 | SFRP2(dist=157719), DCHS2(dist=287580) | intergenic |
| 20 | 62309839 | A | G | rs6010620 | 3.60E-05 | 0.101 | 0.056 | 0.52 | 0.39 | -0.7 | 1.30E-01 | 0.064 | 0.089 | 1.44 | 0.98 | -2.1 | 0.79 | 6.33E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 9 | 5698998 | A | C | rs79554565 | 4.44E-01 | 0.035 | 0.041 | 0.84 | 0.54 | -1.31 | 5.05E-05 | 0.069 | 0.038 | 1.89 | 1.29 | -2.76 | 1.44 | 6.36E-02 | RIC1 | intronic |
| 20 | 62275875 | T | C | rs200137512;rs4083754;rs112923996 | 1.84E-05 | 0.103 | 0.057 | 0.53 | 0.4 | -0.7 | 9.11E-02 | 0.059 | 0.085 | 1.49 | 1 | -2.2 | 0.79 | 6.37E-02 | STMN3 | intronic |
| 20 | 62319464 | T | C | rs2738785 | 5.83E-05 | 0.101 | 0.056 | 0.53 | 0.4 | -0.71 | 1.45E-01 | 0.062 | 0.086 | 1.43 | 0.97 | -2.1 | 0.79 | 6.37E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 17 | 71926939 | C | T | rs75444092 | 6.63E-01 | 0.026 | 0.030 | 0.87 | 0.53 | -1.45 | 5.48E-05 | 0.048 | 0.022 | 2.17 | 1.38 | -3.43 | 1.48 | 6.45E-02 | LINC00469(dist=102263), RPL38(dist=272856) | intergenic |
| 14 | 91761769 | C | T | rs74086366 | 3.17E-01 | 0.032 | 0.039 | 0.82 | 0.52 | -1.29 | 1.14E-05 | 0.062 | 0.029 | 2.19 | 1.47 | -3.28 | 1.42 | 6.56E-02 | CCDC88C | intronic |
| 13 | 41032766 | G | A | rs138473497 | 6.37E-02 | 0.119 | 0.031 | 0.61 | 0.35 | -1.09 | 2.81E-05 | 0.038 | 0.021 | 1.87 | 1.13 | -3.09 | 0.57 | 6.58E-02 | LINC00598 | ncRNA_exonic |
| 13 | 58688272 | C | G | rs78106490 | 3.83E-01 | 0.023 | 0.032 | 0.72 | 0.42 | -1.21 | 3.91E-05 | 0.052 | 0.022 | 2.47 | 1.59 | -3.84 | 1.47 | 6.61E-02 | PCDH17(dist=385207), LOC101926897(dist=51689) | intergenic |
| 15 | 82489385 | A | T | rs57014042 | 1.54E-01 | 0.295 | 0.329 | 0.85 | 0.72 | -1.02 | 4.62E-06 | 0.385 | 0.285 | 1.57 | 1.29 | -1.9 | 1.14 | 6.61E-02 | EFTUD1 | intronic |
| 2 | 173379340 | A | C | rs71407946;rs13018866 | 5.59E-01 | 0.025 | 0.026 | 0.97 | 0.58 | -1.63 | 8.18E-06 | 0.053 | 0.034 | 1.58 | 1.03 | -2.43 | 1.58 | 6.63E-02 | ITGA6(dist=8159), PDK1(dist=41357) | intergenic |
| 20 | 62288752 | T | C | rs3761124 | 1.06E-05 | 0.098 | 0.052 | 0.50 | 0.37 | -0.67 | 7.72E-02 | 0.056 | 0.083 | 1.54 | 1.03 | -2.3 | 0.79 | 6.72E-02 | RTEL1, RTEL1-TNFRSF6B | upstream |
| 20 | 62322288 | T | C | rs3208007 | 5.45E-05 | 0.101 | 0.056 | 0.54 | 0.4 | -0.71 | 1.34E-01 | 0.062 | 0.086 | 1.44 | 0.98 | -2.11 | 0.79 | 6.73E-02 | RTEL1 | exonic |
| 6 | 7468737 | C | T | rs77924821 | 4.56E-01 | 0.030 | 0.031 | 0.96 | 0.6 | -1.55 | 6.28E-05 | 0.051 | 0.029 | 1.80 | 1.16 | -2.78 | 1.55 | 6.74E-02 | RIOK1(dist=50467), DSP(dist=73133) | intergenic |
| 4 | 112421927 | T | C | rs79435779 | 1.53E-05 | 0.048 | 0.027 | 1.83 | 1.22 | -2.75 | 1.59E-01 | 0.026 | 0.036 | 0.73 | 0.41 | -1.3 | 1.49 | 6.79E-02 | PITX2(dist=858648), C4orf32(dist=644626) | intergenic |
| 15 | 82691159 | T | C | rs141623628 | 3.33E-01 | 0.362 | 0.386 | 0.90 | 0.76 | -1.07 | 6.15E-05 | 0.435 | 0.358 | 1.38 | 1.14 | -1.67 | 1.16 | 6.80E-02 | UBE2Q2P2 | ncRNA_intronic |
| 17 | 71927941 | C | G | rs76003087 | 6.54E-01 | 0.026 | 0.030 | 0.87 | 0.52 | -1.44 | 6.30E-05 | 0.046 | 0.021 | 2.26 | 1.42 | -3.59 | 1.47 | 6.82E-02 | LINC00469(dist=103265), RPL38(dist=271854) | intergenic |
| 14 | 31657344 | T | C | rs71112385;rs113975390 | 3.85E-01 | 0.043 | 0.051 | 0.84 | 0.56 | -1.24 | 9.24E-06 | 0.074 | 0.044 | 1.75 | 1.21 | -2.52 | 1.44 | 6.85E-02 | HECTD1 | intronic |
| 3 | 13848077 | C | G | rs75001335 | 6.43E-01 | 0.040 | 0.045 | 0.88 | 0.59 | -1.33 | 6.45E-05 | 0.054 | 0.030 | 1.88 | 1.23 | -2.87 | 1.48 | 6.86E-02 | LINC00620(dist=59945), WNT7A(dist=12005) | intergenic |
| 8 | 87287663 | C | T | rs6999654 | 5.01E-05 | 0.309 | 0.226 | 1.53 | 1.28 | -1.83 | 3.89E-02 | 0.217 | 0.270 | 0.75 | 0.6 | -0.94 | 1.15 | 6.90E-02 | SLC7A13(dist=45059), WWP1(dist=673331) | intergenic |
| 2 | 233081802 | T | C | rs3116212 | 3.70E-05 | 0.468 | 0.403 | 1.31 | 1.11 | -1.54 | 4.48E-02 | 0.351 | 0.384 | 0.87 | 0.71 | -1.05 | 1.14 | 6.97E-02 | DIS3L2 | intronic |
| 2 | 58504936 | A | G | rs114973124 | 6.42E-05 | 0.071 | 0.037 | 2.00 | 1.42 | -2.81 | 1.93E-02 | 0.013 | 0.031 | 0.42 | 0.19 | -0.94 | 1.36 | 7.02E-02 | FANCL(dist=36421), LINC01122(dist=242952) | intergenic |
| 4 | 154787820 | G | C | rs115620227 | 2.55E-01 | 0.014 | 0.021 | 0.66 | 0.34 | -1.29 | 3.74E-05 | 0.045 | 0.022 | 2.11 | 1.32 | -3.37 | 1.64 | 7.03E-02 | SFRP2(dist=77592), DCHS2(dist=367707) | intergenic |
| 14 | 91734818 | T | C | rs74086352 | 3.18E-01 | 0.031 | 0.040 | 0.79 | 0.5 | -1.24 | 6.32E-06 | 0.062 | 0.028 | 2.26 | 1.51 | -3.39 | 1.41 | 7.03E-02 | GPR68(dist=14594), CCDC88C(dist=2849) | intergenic |
| 20 | 62308364 | C | A | rs6089956 | 6.45E-05 | 0.049 | 0.030 | 1.68 | 1.13 | -2.51 | 7.15E-02 | 0.035 | 0.052 | 0.66 | 0.4 | -1.09 | 0.59 | 7.03E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 1 | 155003954 | A | T | rs11582128 | 3.93E-01 | 0.046 | 0.046 | 0.99 | 0.67 | -1.46 | 9.85E-06 | 0.087 | 0.060 | 1.49 | 1.06 | -2.08 | 1.41 | 7.07E-02 | DCST2 | intronic |
| 5 | 125859493 | C | T | rs77089093 | 3.40E-01 | 0.066 | 0.072 | 0.92 | 0.66 | -1.27 | 4.34E-05 | 0.103 | 0.069 | 1.54 | 1.13 | -2.11 | 1.34 | 7.07E-02 | GRAMD3(dist=29640), ALDH7A1(dist=18040) | intergenic |
| 16 | 77434305 | C | T | rs8047924 | 6.08E-01 | 0.029 | 0.033 | 0.89 | 0.55 | -1.43 | 1.18E-05 | 0.045 | 0.021 | 2.23 | 1.4 | -3.57 | 1.48 | 7.11E-02 | ADAMTS18 | intronic |
| 2 | 78004599 | G | A | rs141434807 | 3.68E-01 | 0.052 | 0.061 | 0.84 | 0.58 | -1.21 | 5.95E-05 | 0.093 | 0.049 | 1.97 | 1.42 | -2.75 | 1.30 | 7.12E-02 | LOC101927967 | ncRNA_intronic |
| 20 | 62322699 | A | G | rs6011033 | 4.10E-05 | 0.102 | 0.057 | 0.54 | 0.4 | -0.72 | 1.13E-01 | 0.061 | 0.087 | 1.46 | 0.99 | -2.14 | 0.79 | 7.14E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 2 | 134461021 | A | G | rs4305321 | 3.48E-01 | 0.117 | 0.127 | 1.09 | 0.85 | -1.41 | 5.83E-05 | 0.208 | 0.151 | 0.68 | 0.54 | -0.86 | 0.84 | 7.14E-02 | NCKAP5(dist=134990), MIR3679(dist=423675) | intergenic |
| 14 | 91764649 | C | T | rs77794369 | 3.65E-01 | 0.032 | 0.039 | 0.82 | 0.52 | -1.29 | 1.25E-05 | 0.062 | 0.029 | 2.18 | 1.46 | -3.26 | 1.41 | 7.15E-02 | CCDC88C | intronic |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|------------|-------|-------|------|------|-------|------|----------|--|----------------|
| 19 | 6917675 | T | C | rs35275289 | 4.23E-05 | 0.179 | 0.127 | 1.49 | 1.2 | -1.86 | 7.59E-02 | 0.126 | 0.155 | 0.79 | 0.59 | -1.04 | 1.21 | 7.47E-02 | ADGRE1 | intronic |
| 3 | 89068030 | C | T | rs2132588 | 2.86E-01 | 0.114 | 0.119 | 0.95 | 0.74 | -1.23 | 5.74E-05 | 0.180 | 0.131 | 1.46 | 1.14 | -1.87 | 1.20 | 7.52E-02 | C3orf38(dist=850915), EPHA3(dist=98644) | intergenic |
| 20 | 62291830 | C | T | rs2738778 | 2.42E-05 | 0.088 | 0.047 | 1.97 | 1.45 | -2.68 | 1.07E-01 | 0.052 | 0.076 | 0.66 | 0.44 | -1 | 1.28 | 7.52E-02 | RTEL1-TNFRSF6B | ncRNA_intronic |
| 9 | 4166452 | A | T | rs80334230 | 4.21E-01 | 0.073 | 0.083 | 0.87 | 0.64 | -1.19 | 4.87E-05 | 0.105 | 0.060 | 1.83 | 1.34 | -2.5 | 1.27 | 7.54E-02 | GLIS3 | intronic |
| 13 | 68310742 | T | C | rs116121014 | 8.82E-01 | 0.031 | 0.034 | 0.90 | 0.57 | -1.44 | 6.01E-05 | 0.049 | 0.027 | 1.82 | 1.17 | -2.84 | 1.49 | 7.56E-02 | LINC00364(dist=356616), LINC00550(dist=1124675) | intergenic |
| 20 | 7454374 | C | T | rs116833243 | 6.06E-01 | 0.022 | 0.026 | 0.84 | 0.49 | -1.45 | 6.19E-05 | 0.046 | 0.026 | 1.81 | 1.14 | -2.85 | 1.58 | 7.56E-02 | MIR8062(dist=102035), HAO1(dist=409257) | intergenic |
| 13 | 68311537 | G | A | rs140346548 | 8.81E-01 | 0.031 | 0.034 | 0.90 | 0.57 | -1.44 | 5.83E-05 | 0.049 | 0.027 | 1.82 | 1.17 | -2.84 | 1.49 | 7.57E-02 | LINC00364(dist=357411), LINC00550(dist=1123880) | intergenic |
| 14 | 91723540 | G | A | rs60286356 | 2.34E-01 | 0.033 | 0.043 | 0.76 | 0.48 | -1.18 | 5.40E-06 | 0.065 | 0.030 | 2.27 | 1.53 | -3.37 | 1.39 | 7.59E-02 | GPR68(dist=3316), CCDC88C(dist=14127) | intergenic |
| 19 | 6917682 | T | C | rs35357426 | 4.38E-05 | 0.179 | 0.127 | 1.49 | 1.2 | -1.86 | 7.51E-02 | 0.126 | 0.155 | 0.78 | 0.59 | -1.04 | 1.21 | 7.62E-02 | ADGRE1 | intronic |
| 19 | 36077867 | G | A | rs59008780 | 4.31E-01 | 0.025 | 0.030 | 0.84 | 0.5 | -1.41 | 1.81E-05 | 0.050 | 0.029 | 1.76 | 1.14 | -2.73 | 1.65 | 7.65E-02 | ATP4A(dist=23307), LOC102723617(dist=10930) | intergenic |
| 12 | 53821330 | C | T | rs73313203 | 3.29E-01 | 0.037 | 0.046 | 0.79 | 0.52 | -1.21 | 5.73E-05 | 0.083 | 0.044 | 1.96 | 1.38 | -2.77 | 1.34 | 7.67E-02 | AMHR2 | intronic |
| 13 | 68317622 | C | G | rs115976056 | 8.69E-01 | 0.031 | 0.035 | 0.90 | 0.57 | -1.43 | 4.55E-05 | 0.049 | 0.027 | 1.83 | 1.17 | -2.85 | 1.48 | 7.69E-02 | LINC00364(dist=363496), LINC00550(dist=1117795) | intergenic |
| 15 | 95914434 | A | G | rs76401390 | 1.61E-01 | 0.035 | 0.046 | 0.75 | 0.49 | -1.16 | 5.16E-06 | 0.076 | 0.036 | 2.20 | 1.53 | -3.17 | 1.36 | 7.70E-02 | LINC01197(dist=44105), LINC00924(dist=61888) | intergenic |
| 11 | 17274198 | G | A | rs61881886 | 1.93E-01 | 0.055 | 0.065 | 0.83 | 0.59 | -1.19 | 1.09E-05 | 0.124 | 0.082 | 1.59 | 1.19 | -2.12 | 1.27 | 7.71E-02 | PIK3C2A(dist=82844), NUCB2(dist=24088) | intergenic |
| 2 | 51534120 | T | A | rs76828879 | 2.49E-01 | 0.028 | 0.034 | 0.81 | 0.5 | -1.33 | 2.00E-05 | 0.060 | 0.035 | 1.74 | 1.16 | -2.6 | 1.52 | 7.76E-02 | NRXN1(dist=274446), MIR4431(dist=1395540) | intergenic |
| 6 | 32478129 | G | A | rs112696801 | 2.43E-05 | 0.305 | 0.362 | 0.77 | 0.65 | -0.92 | 6.57E-02 | 0.336 | 0.376 | 0.84 | 0.69 | -1.02 | 0.80 | 7.77E-02 | HLA-DRA(dist=65303), HLA-DRB5(dist=7025) | intergenic |
| 14 | 91703294 | G | A | rs141559466 | 2.19E-01 | 0.032 | 0.042 | 0.74 | 0.47 | -1.17 | 2.16E-06 | 0.069 | 0.033 | 2.14 | 1.46 | -3.14 | 1.39 | 7.77E-02 | GPR68 | intronic |
| 2 | 151495246 | C | T | rs7586113 | 5.81E-01 | 0.081 | 0.091 | 0.87 | 0.65 | -1.18 | 3.80E-05 | 0.118 | 0.074 | 1.67 | 1.25 | -2.24 | 1.26 | 7.82E-02 | LOC101929282(dist=3375), RBM43(dist=609482) | intergenic |
| 15 | 95924597 | A | G | rs77866863 | 1.80E-01 | 0.032 | 0.043 | 0.73 | 0.47 | -1.16 | 3.52E-06 | 0.075 | 0.035 | 2.21 | 1.53 | -3.19 | 1.35 | 7.87E-02 | LINC01197(dist=54268), LINC00924(dist=51725) | intergenic |
| 8 | 15659117 | G | T | rs78406848 | 3.57E-01 | 0.037 | 0.044 | 0.84 | 0.55 | -1.29 | 7.31E-06 | 0.071 | 0.040 | 1.82 | 1.25 | -2.64 | 1.43 | 7.92E-02 | TUSC3(dist=34959), MSR1(dist=306270) | intergenic |
| 14 | 91702443 | C | T | rs57455752 | 2.20E-01 | 0.032 | 0.042 | 0.74 | 0.47 | -1.17 | 2.15E-06 | 0.069 | 0.033 | 2.13 | 1.46 | -3.13 | 1.38 | 7.97E-02 | GPR68 | intronic |
| 16 | 51437623 | G | A | rs115426166 | 3.91E-05 | 0.045 | 0.094 | 0.45 | 0.31 | -0.66 | 2.04E-02 | 0.105 | 0.075 | 1.44 | 1.06 | -1.96 | 0.80 | 8.01E-02 | SALL1(dist=252440), LINC01571(dist=358807) | intergenic |
| 15 | 90921011 | A | T | rs74038641 | 3.88E-01 | 0.020 | 0.026 | 0.77 | 0.43 | -1.36 | 2.21E-05 | 0.049 | 0.022 | 2.25 | 1.43 | -3.53 | 1.49 | 8.06E-02 | ZNF774(dist=16296), IQGAP1(dist=10462) | intergenic |
| 13 | 50618384 | G | C | rs78186686 | 3.75E-01 | 0.021 | 0.027 | 0.77 | 0.44 | -1.34 | 4.91E-05 | 0.051 | 0.023 | 2.29 | 1.47 | -3.56 | 1.45 | 8.06E-02 | DLEU2 | ncRNA_intronic |
| 13 | 68365952 | C | A | rs116259969 | 7.69E-01 | 0.056 | 0.062 | 0.90 | 0.63 | -1.28 | 1.54E-06 | 0.068 | 0.038 | 1.84 | 1.26 | -2.69 | 1.34 | 8.09E-02 | LINC00364(dist=411826), LINC00550(dist=1069465) | intergenic |
| 15 | 83367732 | C | T | rs17841169 | 1.85E-01 | 0.185 | 0.211 | 0.85 | 0.69 | -1.04 | 1.28E-05 | 0.279 | 0.198 | 1.57 | 1.27 | -1.94 | 1.15 | 8.12E-02 | AP3B2 | intronic |
| 14 | 91767234 | G | C | rs74084727 | 3.65E-01 | 0.032 | 0.039 | 0.82 | 0.52 | -1.29 | 1.59E-05 | 0.061 | 0.029 | 2.15 | 1.44 | -3.22 | 1.39 | 8.18E-02 | CCDC88C | intronic |
| 8 | 5237174 | G | T | rs17073240 | 2.61E-01 | 0.032 | 0.042 | 0.76 | 0.49 | -1.2 | 1.08E-05 | 0.072 | 0.033 | 2.25 | 1.54 | -3.27 | 1.36 | 8.23E-02 | CSMD1(dist=384846), LOC100287015(dist=1023903) | intergenic |
| 8 | 5237818 | C | A | rs80231806 | 3.74E-01 | 0.031 | 0.039 | 0.81 | 0.51 | -1.27 | 4.70E-05 | 0.066 | 0.031 | 2.21 | 1.5 | -3.28 | 1.37 | 8.27E-02 | CSMD1(dist=385490), LOC100287015(dist=1023259) | intergenic |
| 2 | 78009118 | C | T | rs6743371 | 1.53E-01 | 0.016 | 0.025 | 0.65 | 0.35 | -1.21 | 2.83E-05 | 0.055 | 0.024 | 2.43 | 1.59 | -3.73 | 1.45 | 8.27E-02 | LOC101927967 | ncRNA_intronic |
| 6 | 155880958 | T | A | rs4869862 | 2.16E-01 | 0.151 | 0.162 | 1.09 | 0.87 | -1.37 | 3.82E-05 | 0.245 | 0.187 | 0.71 | 0.57 | -0.88 | 0.85 | 8.27E-02 | NOX3(dist=103921), MIR1202(dist=386973) | intergenic |
| 16 | 81795129 | T | A | rs114848866 | 7.91E-02 | 0.050 | 0.040 | 1.25 | 0.86 | -1.83 | 5.10E-05 | 0.053 | 0.035 | 1.54 | 1.01 | -2.35 | 1.56 | 8.28E-02 | CMIP(dist=49762), PLCG2(dist=17734) | intergenic |
| 2 | 2301126 | G | A | rs78043822 | 4.47E-05 | 0.045 | 0.023 | 2.02 | 1.32 | -3.1 | 4.59E-02 | 0.011 | 0.023 | 0.49 | 0.21 | -1.17 | 1.50 | 8.29E-02 | MYT1L | intronic |
| 14 | 91707329 | G | A | rs77202959 | 1.92E-01 | 0.032 | 0.043 | 0.73 | 0.46 | -1.15 | 1.98E-06 | 0.070 | 0.034 | 2.17 | 1.48 | -3.17 | 1.37 | 8.30E-02 | GPR68 | intronic |
| 16 | 57045964 | C | G | rs62035538 | 4.91E-05 | 0.061 | 0.093 | 0.63 | 0.45 | -0.88 | 4.76E-02 | 0.144 | 0.129 | 1.13 | 0.87 | -1.48 | 0.80 | 8.33E-02 | CETP(dist=28208), NLR5(dist=5022) | intergenic |
| 7 | 109364876 | A | G | rs12216552 | 2.46E-01 | 0.120 | 0.128 | 0.93 | 0.72 | -1.19 | 1.54E-05 | 0.198 | 0.145 | 1.45 | 1.15 | -1.84 | 1.21 | 8.33E-02 | C7orf66(dist=840232), EIF3IP1(dist=234408) | intergenic |
| 5 | 2911613 | C | T | rs75234031 | 4.12E-01 | 0.043 | 0.053 | 0.82 | 0.55 | -1.21 | 2.53E-05 | 0.071 | 0.038 | 1.93 | 1.33 | -2.81 | 1.35 | 8.34E-02 | C5orf38(dist=156102), LINC01377(dist=266336) | intergenic |
| 10 | 54482915 | C | T | rs58163215 | 7.72E-02 | 0.022 | 0.035 | 0.62 | 0.36 | -1.06 | 9.66E-06 | 0.046 | 0.027 | 1.74 | 1.1 | -2.74 | 0.64 | 8.43E-02 | LINC01468(dist=252622), MBL2(dist=42225) | intergenic |
| 16 | 51440098 | G | A | rs116606653 | 3.41E-05 | 0.045 | 0.095 | 0.45 | 0.31 | -0.65 | 1.59E-02 | 0.106 | 0.076 | 1.45 | 1.07 | -1.98 | 0.81 | 8.43E-02 | SALL1(dist=254915), LINC01571(dist=356332) | intergenic |
| 8 | 15658604 | A | G | rs79392246 | 3.47E-01 | 0.038 | 0.045 | 0.84 | 0.55 | -1.28 | 8.75E-06 | 0.073 | 0.042 | 1.80 | 1.24 | -2.6 | 1.41 | 8.46E-02 | TUSC3(dist=34446), MSR1(dist=306783) | intergenic |
| 5 | 18194371 | G | A | rs76321044 | 2.82E-01 | 0.016 | 0.023 | 0.70 | 0.38 | -1.31 | 3.27E-05 | 0.042 | 0.021 | 2.08 | 1.29 | -3.37 | 1.62 | 8.51E-02 | LOC401177(dist=806952), CDH18(dist=1278784) | intergenic |
| 12 | 117999196 | G | T | rs73405367 | 4.04E-05 | 0.080 | 0.050 | 1.66 | 1.21 | -2.27 | 4.44E-02 | 0.036 | 0.051 | 0.70 | 0.43 | -1.15 | 1.32 | 8.54E-02 | KSR2 | intronic |
| 14 | 91728296 | G | A | rs56927882 | 2.40E-01 | 0.030 | 0.040 | 0.75 | 0.47 | -1.2 | 5.13E-06 | 0.063 | 0.029 | 2.26 | 1.52 | -3.38 | 1.38 | 8.54E-02 | GPR68(dist=8072), CCDC88C(dist=9371) | intergenic |
| 16 | 80759991 | T | C | rs76747055 | 2.15E-01 | 0.029 | 0.040 | 0.72 | 0.45 | -1.15 | 3.05E-05 | 0.060 | 0.028 | 2.25 | 1.5 | -3.39 | 1.39 | 8.58E-02 | CDYL2 | intronic |
| 14 | 95969513 | A | C | rs179163 | 2.49E-01 | 0.272 | 0.279 | 1.04 | 0.86 | -1.25 | 3.94E-05 | 0.403 | 0.342 | 0.77 | 0.64 | -0.93 | 0.87 | 8.59E-02 | SYNE3(dist=27340), SNHG10(dist=29736) | intergenic |
| 18 | 37585623 | C | T | rs116748326 | 2.39E-01 | 0.019 | 0.028 | 0.69 | 0.39 | -1.22 | 6.27E-05 | 0.051 | 0.022 | 2.39 | 1.54 | -3.73 | 1.45 | 8.61E-02 | LINC00669(dist=253664), LINC01477(dist=60627) | intergenic |
| 14 | 91728342 | A | C | rs60220168 | 2.31E-01 | 0.047 | 0.057 | 0.81 | 0.56 | -1.19 | 1.71E-06 | 0.078 | 0.042 | 1.96 | 1.37 | -2.8 | 1.34 | 8.63E-02 | GPR68(dist=8118), CCDC88C(dist=9325) | intergenic |
| 12 | 12103432 | T | C | rs57589993 | 8.76E-02 | 0.043 | 0.061 | 0.69 | 0.46 | -1.01 | 4.28E-05 | 0.075 | 0.048 | 1.60 | 1.12 | -2.3 | 0.71 | 8.64E-02 | RNU6-19P(dist=24325), BCL2L14(dist=120446) | intergenic |
| 14 | 91724496 | A | T | rs74086346 | 2.12E-01 | 0.031 | 0.041 | 0.74 | 0.47 | -1.17 | 5.36E-06 | 0.065 | 0.030 | 2.27 | 1.53 | -3.37 | 1.37 | 8.65E-02 | GPR68(dist=4272), CCDC88C(dist=13171) | intergenic |
| 11 | 17261588 | A | G | rs72862099 | 1.41E-01 | 0.049 | 0.061 | 0.80 | 0.55 | -1.16 | 5.15E-06 | 0.123 | 0.081 | 1.60 | 1.2 | -2.13 | 1.26 | 8.71E-02 | PIK3C2A(dist=70234), NUCB2(dist=36698) | intergenic |
| 18 | 6858889 | C | T | rs17083274 | 2.36E-01 | 0.021 | 0.032 | 0.67 | 0.39 | -1.15 | 5.07E-07 | 0.054 | 0.024 | 2.34 | 1.52 | -3.6 | 1.45 | 8.77E-02 | GTSR1(dist=240806), LINC01541(dist=628301) | intergenic |
| 12 | 106556404 | A | G | rs2559600 | 2.82E-01 | 0.137 | 0.152 | 1.13 | 0.89 | -1.42 | 4.46E-05 | 0.199 | 0.140 | 0.66 | 0.52 | -0.83 | 0.85 | 8.78E-02 | NUAK1(dist=22593), CKAP4(dist=75255) | intergenic |
| 7 | 79311093 | G | A | rs114083371 | 7.22E-01 | 0.042 | 0.049 | 0.86 | 0.58 | -1.29 | 9.26E-06 | 0.053 | 0.025 | 2.16 | 1.41 | -3.33 | 1.36 | 8.78E-02 | MAGI2-AS3(dist=210569), MIR548M(dist=89479) | intergenic |
| 8 | 48080668 | T | C | rs112430602 | 3.05E-01 | 0.025 | 0.035 | 0.72 | 0.43 | -1.19 | 4.35E-05 | 0.058 | 0.026 | 2.33 | 1.54 | -3.53 | 1.39 | 8.79E-02 | LINC00293(dist=313261), LOC100287846(dist=20262) | intergenic |
| 16 | 51437884 | G | T | rs114553085 | 3.75E-05 | 0.045 | 0.094 | 0.45 | 0.31 | -0.66 | 1.61E-02 | 0.106 | 0.076 | 1.45 | 1.07 | -1.98 | 0.81 | 8.81E-02 | SALL1(dist=252701), LINC01571(dist=358546) | intergenic |
| 6 | 51605659 | A | G | rs76114040 | 1.48E-01 | 0.020 | 0.028 | 0.71 | 0.4 | -1.24 | 1.11E-05</ | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|--------|------|------|-------|------|----------|---|----------------|
| 8 | 19082329 | A | G | rs143876730 | 4.98E-01 | 0.044 | 0.053 | 0.83 | 0.57 | -1.23 | 3.36E-05 | 0.089 | 0.055 | 1.67 | 1.19 | -2.33 | 1.33 | 9.36E-02 | LOC100128993 | ncRNA_intronic |
| 2 | 78023075 | A | G | rs116760332 | 1.42E-01 | 0.016 | 0.025 | 0.64 | 0.34 | -1.2 | 3.43E-05 | 0.056 | 0.024 | 2.38 | 1.56 | -3.65 | 1.44 | 9.37E-02 | LOC101927967 | ncRNA_intronic |
| 9 | 93747845 | C | T | rs72731351 | 1.74E-01 | 0.028 | 0.033 | 0.85 | 0.52 | -1.38 | 2.31E-05 | 0.075 | 0.046 | 1.68 | 1.17 | -2.41 | 1.39 | 9.43E-02 | SYK(dist=87003), LOC100129316(dist=77731) | intergenic |
| 20 | 62302650 | C | G | rs6011016 | 4.51E-05 | 0.104 | 0.059 | 0.55 | 0.41 | -0.72 | 7.23E-02 | 0.058 | 0.085 | 1.53 | 1.03 | -2.27 | 0.81 | 9.44E-02 | RTL1-TNFRSF6B | ncRNA_intronic |
| 8 | 18408660 | C | G | rs6909849 | 2.33E-01 | 0.395 | 0.422 | 1.12 | 0.95 | -1.32 | 2.71E-05 | 0.497 | 0.396 | 0.66 | 0.55 | -0.8 | 0.90 | 9.52E-02 | PSD3 | intronic |
| 11 | 17164547 | T | C | rs61879714 | 2.75E-01 | 0.090 | 0.103 | 0.87 | 0.66 | -1.15 | 6.13E-05 | 0.162 | 0.112 | 1.52 | 1.18 | -1.97 | 1.20 | 9.54E-02 | PIK3C2A | intronic |
| 5 | 18284868 | C | T | rs143668929 | 1.05E-01 | 0.034 | 0.048 | 0.69 | 0.45 | -1.07 | 1.70E-06 | 0.073 | 0.034 | 2.23 | 1.54 | -3.24 | 1.33 | 9.62E-02 | LOC401177(dist=897449), CDH18(dist=1188287) | intergenic |
| 12 | 106580623 | C | G | rs1148434 | 2.48E-01 | 0.166 | 0.183 | 1.12 | 0.9 | -1.39 | 6.04E-05 | 0.245 | 0.177 | 0.67 | 0.53 | -0.83 | 0.87 | 9.62E-02 | NUAK1(dist=46812), CKAP4(dist=51036) | intergenic |
| 13 | 41288655 | A | G | rs2480176 | 2.78E-01 | 0.031 | 0.038 | 0.82 | 0.52 | -1.3 | 3.30E-05 | 0.058 | 0.031 | 1.96 | 1.3 | -2.96 | 1.45 | 9.64E-02 | FOXO1(dist=47921), MIR320D1(dist=13309) | intergenic |
| 4 | 47871122 | A | C | rs111364531 | 3.69E-01 | 0.026 | 0.035 | 0.74 | 0.45 | -1.21 | 5.96E-05 | 0.054 | 0.024 | 2.32 | 1.51 | -3.57 | 1.39 | 9.65E-02 | LINC00293(dist=103715), LOC100287846(dist=229808) | intergenic |
| 13 | 78866716 | G | A | rs77615522 | 7.20E-01 | 0.048 | 0.053 | 0.90 | 0.62 | -1.32 | 4.60E-05 | 0.069 | 0.041 | 1.72 | 1.18 | -2.5 | 1.33 | 9.65E-02 | RNF219-AS1 | ncRNA_intronic |
| 2 | 23489854 | T | C | rs10490017 | 4.06E-01 | 0.068 | 0.079 | 0.86 | 0.62 | -1.18 | 2.87E-05 | 0.102 | 0.060 | 1.78 | 1.3 | -2.44 | 1.25 | 9.69E-02 | TRPM8 | intronic |
| 18 | 37580429 | T | C | rs143873598 | 2.14E-01 | 0.019 | 0.027 | 0.67 | 0.37 | -1.2 | 6.24E-05 | 0.051 | 0.022 | 2.39 | 1.54 | -3.73 | 1.43 | 9.70E-02 | LINC00669(dist=248470), LINC01477(dist=65821) | intergenic |
| 15 | 101570703 | C | T | rs72766819 | 2.60E-01 | 0.044 | 0.050 | 0.86 | 0.58 | -1.27 | 3.27E-05 | 0.100 | 0.066 | 1.57 | 1.14 | -2.15 | 1.31 | 9.70E-02 | LRRK1 | intronic |
| 13 | 68365317 | C | T | rs114560208 | 6.34E-01 | 0.052 | 0.060 | 0.86 | 0.6 | -1.24 | 1.43E-06 | 0.068 | 0.038 | 1.85 | 1.26 | -2.7 | 1.34 | 9.72E-02 | LINC00364(dist=411191), LINC00550(dist=1070100) | intergenic |
| 4 | 72735060 | C | A | rs142160757 | 3.69E-01 | 0.024 | 0.030 | 0.79 | 0.47 | -1.33 | 1.48E-05 | 0.049 | 0.025 | 2.04 | 1.3 | -3.18 | 1.45 | 9.75E-02 | GC(dist=63823), NPFFR2(dist=162461) | intergenic |
| 8 | 15657744 | G | C | rs76187578 | 3.11E-01 | 0.037 | 0.044 | 0.83 | 0.54 | -1.26 | 8.23E-06 | 0.072 | 0.041 | 1.82 | 1.26 | -2.64 | 1.39 | 9.78E-02 | TUSC3(dist=33586), MSR1(dist=307643) | intergenic |
| 13 | 112671036 | G | A | rs12100178 | 3.27E-01 | 0.080 | 0.096 | 0.82 | 0.61 | -1.1 | 2.32E-05 | 0.123 | 0.073 | 1.78 | 1.33 | -2.38 | 1.22 | 9.78E-02 | LINC00403 | ncRNA_intronic |
| 2 | 12651296 | C | T | rs17367794 | 5.69E-01 | 0.028 | 0.031 | 0.88 | 0.54 | -1.45 | 5.97E-05 | 0.050 | 0.031 | 1.64 | 1.06 | -2.54 | 1.55 | 9.82E-02 | LOC100506457 | ncRNA_intronic |
| 2 | 12651481 | C | A | rs62126674 | 5.68E-01 | 0.028 | 0.031 | 0.88 | 0.54 | -1.45 | 6.08E-05 | 0.050 | 0.031 | 1.64 | 1.06 | -2.54 | 1.54 | 9.86E-02 | LOC100506457 | ncRNA_intronic |
| 19 | 8207284 | G | A | rs113798795 | 6.60E-01 | 0.032 | 0.037 | 0.86 | 0.54 | -1.35 | 1.41E-05 | 0.047 | 0.024 | 2.04 | 1.29 | -3.21 | 1.41 | 9.86E-02 | FBN3 | intronic |
| 20 | 46036526 | G | A | rs115965002 | 2.92E-01 | 0.030 | 0.039 | 0.75 | 0.47 | -1.2 | 2.98E-05 | 0.067 | 0.037 | 1.89 | 1.29 | -2.77 | 1.38 | 9.86E-02 | ZMYND8(dist=50893), NCOA3(dist=94075) | intergenic |
| 11 | 17288592 | C | G | rs61881916 | 1.29E-01 | 0.053 | 0.065 | 0.80 | 0.56 | -1.15 | 7.37E-06 | 0.123 | 0.081 | 1.59 | 1.19 | -2.12 | 1.26 | 9.89E-02 | PIK3C2A(dist=97238), NUCB2(dist=9694) | intergenic |
| 11 | 17428333 | G | A | rs61881889 | 1.49E-01 | 0.050 | 0.061 | 0.81 | 0.56 | -1.17 | 1.38E-05 | 0.122 | 0.081 | 1.57 | 1.18 | -2.1 | 1.26 | 9.91E-02 | PIK3C2A(dist=92979), NUCB2(dist=13953) | intergenic |
| 20 | 62275844 | T | C | rs6010986;rs386816166 | 1.78E-05 | 0.140 | 0.098 | 0.65 | 0.51 | -0.82 | 7.86E-02 | 0.097 | -0.126 | 1.33 | 0.97 | -1.82 | 0.82 | 1.01E-01 | STMN3 | intronic |
| 18 | 5355414 | C | G | rs75669293 | 9.86E-02 | 0.106 | 0.092 | 1.17 | 0.89 | -1.53 | 6.75E-06 | 0.125 | 0.085 | 1.53 | 1.15 | -2.04 | 1.28 | 1.01E-01 | ZBTB14(dist=58362), EPB41L3(dist=36966) | intergenic |
| 5 | 18240753 | A | C | rs139010164 | 1.05E-01 | 0.032 | 0.047 | 0.67 | 0.43 | -1.06 | 1.82E-06 | 0.070 | 0.032 | 2.30 | 1.58 | -3.37 | 1.33 | 1.01E-01 | LOC401177(dist=853334), CDH18(dist=1232402) | intergenic |
| 5 | 18241062 | A | G | rs138256110 | 1.05E-01 | 0.032 | 0.047 | 0.67 | 0.43 | -1.06 | 1.82E-06 | 0.070 | 0.032 | 2.30 | 1.58 | -3.37 | 1.33 | 1.01E-01 | LOC401177(dist=853643), CDH18(dist=1232093) | intergenic |
| 5 | 18242180 | C | G | rs16887125 | 1.06E-01 | 0.032 | 0.047 | 0.67 | 0.43 | -1.06 | 1.83E-06 | 0.070 | 0.032 | 2.30 | 1.58 | -3.37 | 1.33 | 1.01E-01 | LOC401177(dist=854761), CDH18(dist=1230975) | intergenic |
| 6 | 51602252 | T | C | rs74474485 | 2.10E-01 | 0.022 | 0.029 | 0.74 | 0.43 | -1.27 | 6.44E-05 | 0.058 | 0.028 | 2.13 | 1.41 | -3.22 | 1.40 | 1.01E-01 | PKHD1 | intronic |
| 9 | 137937927 | G | A | rs115635397 | 6.31E-01 | 0.031 | 0.036 | 0.86 | 0.54 | -1.37 | 9.12E-06 | 0.048 | 0.024 | 2.08 | 1.32 | -3.27 | 1.40 | 1.02E-01 | FCN1(dist=128121), OLFM1(dist=29162) | intergenic |
| 9 | 22510649 | T | G | rs115762791 | 1.81E-01 | 0.016 | 0.025 | 0.66 | 0.35 | -1.22 | 4.34E-05 | 0.050 | 0.022 | 2.39 | 1.53 | -3.74 | 1.45 | 1.02E-01 | DMRTA1(dist=58177), LINC01239(dist=135550) | intergenic |
| 14 | 101643081 | A | G | rs386780800;rs4906067 | 9.52E-02 | 0.041 | 0.029 | 0.70 | 0.46 | -1.08 | 7.09E-06 | 0.080 | 0.056 | 0.69 | 0.49 | -0.98 | 0.61 | 1.03E-01 | MEG9(dist=103808), LINC00524(dist=229243) | intergenic |
| 13 | 33922144 | C | T | rs116244203 | 3.73E-01 | 0.032 | 0.038 | 0.82 | 0.52 | -1.3 | 2.41E-05 | 0.050 | 0.025 | 2.04 | 1.31 | -3.18 | 1.48 | 1.03E-01 | STARD13 | intronic |
| 5 | 18235322 | G | A | rs145658114 | 9.91E-02 | 0.032 | 0.047 | 0.67 | 0.43 | -1.06 | 1.69E-06 | 0.070 | 0.032 | 2.32 | 1.58 | -3.39 | 1.33 | 1.03E-01 | LOC401177(dist=847903), CDH18(dist=1237833) | intergenic |
| 8 | 48102538 | G | T | rs113794118 | 2.61E-01 | 0.026 | 0.036 | 0.70 | 0.42 | -1.16 | 4.12E-05 | 0.058 | 0.026 | 2.33 | 1.54 | -3.54 | 1.36 | 1.03E-01 | LOC100287846 | ncRNA_exonic |
| 5 | 18244576 | C | T | rs140839736 | 1.03E-01 | 0.032 | 0.047 | 0.67 | 0.43 | -1.06 | 1.86E-06 | 0.070 | 0.032 | 2.30 | 1.57 | -3.36 | 1.33 | 1.03E-01 | LOC401177(dist=857157), CDH18(dist=1228579) | intergenic |
| 10 | 18450970 | G | A | rs56276305 | 3.46E-05 | 0.048 | 0.020 | 2.48 | 1.62 | -3.79 | 8.91E-02 | 0.029 | 0.044 | 0.64 | 0.37 | -1.12 | 1.39 | 1.04E-01 | CACNB2 | intronic |
| 10 | 17517440 | G | T | rs111460860 | 3.25E-01 | 0.051 | 0.062 | 0.81 | 0.56 | -1.17 | 5.23E-05 | 0.086 | 0.046 | 1.92 | 1.37 | -2.71 | 1.28 | 1.04E-01 | ST8SIA6(dist=21186), HACD1(dist=114518) | intergenic |
| 4 | 72735562 | A | G | rs115645136 | 3.66E-01 | 0.024 | 0.030 | 0.79 | 0.47 | -1.33 | 1.97E-05 | 0.049 | 0.025 | 2.00 | 1.28 | -3.13 | 1.44 | 1.04E-01 | GC(dist=64325), NPFFR2(dist=161959) | intergenic |
| 10 | 17520185 | C | T | rs77961728 | 3.03E-01 | 0.050 | 0.062 | 0.80 | 0.56 | -1.16 | 3.49E-05 | 0.085 | 0.045 | 1.95 | 1.38 | -2.75 | 1.28 | 1.04E-01 | ST8SIA6(dist=23931), HACD1(dist=111773) | intergenic |
| 5 | 18255275 | G | A | rs141001604 | 9.65E-02 | 0.031 | 0.046 | 0.67 | 0.42 | -1.05 | 1.99E-06 | 0.071 | 0.032 | 2.29 | 1.57 | -3.34 | 1.33 | 1.04E-01 | LOC401177(dist=867856), CDH18(dist=1217880) | intergenic |
| 5 | 18245454 | G | C | rs148141370 | 1.03E-01 | 0.032 | 0.047 | 0.67 | 0.43 | -1.06 | 1.87E-06 | 0.070 | 0.032 | 2.30 | 1.57 | -3.36 | 1.33 | 1.04E-01 | LOC401177(dist=858035), CDH18(dist=1227701) | intergenic |
| 19 | 8208913 | C | T | rs77166896 | 6.83E-01 | 0.032 | 0.037 | 0.86 | 0.54 | -1.36 | 5.71E-05 | 0.048 | 0.024 | 2.01 | 1.28 | -3.16 | 1.39 | 1.04E-01 | FBN3 | intronic |
| 5 | 18260384 | G | A | rs144191094 | 9.52E-02 | 0.031 | 0.046 | 0.66 | 0.42 | -1.05 | 1.97E-06 | 0.071 | 0.032 | 2.29 | 1.57 | -3.34 | 1.33 | 1.04E-01 | LOC401177(dist=872965), CDH18(dist=1212771) | intergenic |
| 5 | 18261780 | C | G | rs142711844 | 9.52E-02 | 0.031 | 0.046 | 0.66 | 0.42 | -1.05 | 1.97E-06 | 0.071 | 0.032 | 2.29 | 1.57 | -3.34 | 1.33 | 1.05E-01 | LOC401177(dist=874361), CDH18(dist=1211375) | intergenic |
| 2 | 173325489 | C | T | rs71415299 | 4.86E-01 | 0.020 | 0.021 | 0.93 | 0.52 | -1.66 | 3.23E-05 | 0.045 | 0.030 | 1.56 | 0.99 | -2.46 | 1.58 | 1.05E-01 | ITGA6 | intronic |
| 13 | 33860516 | C | T | rs116391379 | 5.77E-01 | 0.043 | 0.048 | 0.87 | 0.59 | -1.3 | 1.76E-05 | 0.055 | 0.031 | 1.86 | 1.22 | -2.83 | 1.43 | 1.05E-01 | STARD13 | intronic |
| 20 | 46035470 | C | T | rs149980555 | 2.81E-01 | 0.029 | 0.039 | 0.74 | 0.46 | -1.19 | 3.06E-05 | 0.067 | 0.037 | 1.88 | 1.28 | -2.76 | 1.37 | 1.05E-01 | ZMYND8(dist=49837), NCOA3(dist=95131) | intergenic |
| 5 | 18246797 | C | G | rs147463543 | 1.01E-01 | 0.032 | 0.046 | 0.67 | 0.43 | -1.05 | 1.92E-06 | 0.070 | 0.032 | 2.30 | 1.57 | -3.36 | 1.33 | 1.05E-01 | LOC401177(dist=859378), CDH18(dist=1226358) | intergenic |
| 11 | 17249502 | T | G | rs61881880 | 1.70E-01 | 0.049 | 0.060 | 0.81 | 0.56 | -1.18 | 2.99E-05 | 0.121 | 0.081 | 1.57 | 1.17 | -2.09 | 1.24 | 1.06E-01 | PIK3C2A(dist=58148), NUCB2(dist=48784) | intergenic |
| 12 | 106549722 | G | A | rs145400343 | 5.32E-05 | 0.063 | 0.035 | 1.86 | 1.3 | -2.65 | 2.01E-02 | 0.020 | 0.037 | 0.53 | 0.27 | -1.01 | 1.33 | 1.06E-01 | NUAK1(dist=15911), CKAP4(dist=81937) | intergenic |
| 5 | 18267003 | T | C | rs137909374 | 9.30E-02 | 0.031 | 0.046 | 0.66 | 0.42 | -1.04 | 1.97E-06 | 0.071 | 0.032 | 2.29 | 1.57 | -3.34 | 1.32 | 1.06E-01 | LOC401177(dist=879584), CDH18(dist=1206152) | intergenic |
| 5 | 18247646 | G | T | rs146669505 | 1.00E-01 | 0.032 | 0.046 | 0.67 | 0.43 | -1.05 | 1.95E-06 | 0.070 | 0.032 | 2.30 | 1.57 | -3.36 | 1.32 | 1.07E-01 | LOC401177(dist=860227), CDH18(dist=1225509) | intergenic |
| 11 | 21489144 | C | A | rs192571917 | 3.01E-01 | 0.038 | 0.048 | 0.78 | 0.52 | -1.19 | 9.04E-06 | 0.062 | 0.031 | 2.07 | 1.39 | -3.09 | 1.36 | 1.07E-01 | NELL1 | intronic |
| 5 | 18250364 | C | T | rs146005795 | 1.00E-01 | 0.032 | 0.046 | 0.67 | 0.43 | -1.05 | 1.88E-06 | 0.070 | 0.032 | 2.30 | 1.5 | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|--|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 11 | 110295992 | A | G | rs77067739 | 4.96E-01 | 0.069 | 0.081 | 0.84 | 0.61 | -1.15 | 1.99E-05 | 0.085 | 0.049 | 1.81 | 1.29 | -2.56 | 1.26 | 1.12E-01 | RDX(dist=128555), FDX1(dist=4669) | intergenic |
| 14 | 91720028 | G | C | rs75866218 | 1.80E-01 | 0.031 | 0.042 | 0.72 | 0.46 | -1.15 | 9.79E-06 | 0.064 | 0.030 | 2.24 | 1.51 | -3.33 | 1.34 | 1.12E-01 | GPR68 | intronic |
| 13 | 112673544 | T | C | rs79177424 | 3.02E-01 | 0.079 | 0.096 | 0.81 | 0.6 | -1.09 | 2.72E-05 | 0.122 | 0.073 | 1.78 | 1.33 | -2.38 | 1.21 | 1.12E-01 | LINC00403 | ncRNA_intronic |
| 8 | 62457714 | C | T | rs10101416 | 1.61E-01 | 0.322 | 0.277 | 1.24 | 1.04 | -1.48 | 2.26E-05 | 0.249 | 0.356 | 0.60 | 0.48 | -0.74 | 0.89 | 1.13E-01 | ASPH | intronic |
| 12 | 106539118 | A | G | rs1215611 | 1.49E-01 | 0.110 | 0.129 | 1.19 | 0.92 | -1.54 | 2.96E-05 | 0.186 | 0.127 | 0.64 | 0.5 | -0.81 | 0.85 | 1.13E-01 | NUAK1(dist=5307), CKAP4(dist=92541) | intergenic |
| 8 | 62456814 | C | T | rs10109999 | 1.61E-01 | 0.322 | 0.277 | 1.24 | 1.04 | -1.48 | 2.29E-05 | 0.249 | 0.356 | 0.60 | 0.48 | -0.74 | 0.89 | 1.13E-01 | ASPH | intronic |
| 13 | 43839494 | G | A | rs4306408 | 2.88E-01 | 0.095 | 0.111 | 1.18 | 0.9 | -1.55 | 5.52E-05 | 0.117 | 0.067 | 0.54 | 0.4 | -0.73 | 0.82 | 1.13E-01 | ENOX1 | intronic |
| 8 | 62460886 | A | G | rs10113272 | 1.48E-01 | 0.324 | 0.278 | 1.24 | 1.04 | -1.48 | 1.92E-05 | 0.248 | 0.356 | 0.60 | 0.48 | -0.74 | 0.89 | 1.14E-01 | ASPH | intronic |
| 8 | 62459486 | C | G | rs4737587 | 1.53E-01 | 0.323 | 0.277 | 1.24 | 1.04 | -1.48 | 2.09E-05 | 0.249 | 0.356 | 0.60 | 0.48 | -0.74 | 0.89 | 1.14E-01 | ASPH | intronic |
| 14 | 91720222 | G | A | rs58519157 | 1.80E-01 | 0.032 | 0.044 | 0.73 | 0.46 | -1.14 | 8.86E-06 | 0.067 | 0.032 | 2.19 | 1.48 | -3.22 | 1.33 | 1.14E-01 | GPR68(NM_003485:c.-18828C>T) | UTR5 |
| 5 | 18267320 | G | A | rs143412083 | 9.09E-02 | 0.031 | 0.047 | 0.66 | 0.42 | -1.04 | 2.58E-06 | 0.071 | 0.033 | 2.26 | 1.55 | -3.29 | 1.32 | 1.14E-01 | LOC401177(dist=879901), CDH18(dist=1205835) | intergenic |
| 14 | 91683409 | G | A | rs74086306 | 3.68E-01 | 0.019 | 0.024 | 0.78 | 0.43 | -1.39 | 1.94E-05 | 0.040 | 0.020 | 2.01 | 1.23 | -3.29 | 1.55 | 1.15E-01 | C14orf159 | intronic |
| 13 | 68355397 | A | C | rs78145336 | 5.85E-01 | 0.052 | 0.060 | 0.85 | 0.59 | -1.23 | 1.79E-06 | 0.068 | 0.038 | 1.85 | 1.26 | -2.7 | 1.31 | 1.15E-01 | LINC00364(dist=401271), LINC00550(dist=1080020) | intergenic |
| 8 | 62456335 | C | T | rs34344679 | 1.56E-01 | 0.323 | 0.277 | 1.24 | 1.04 | -1.48 | 2.28E-05 | 0.249 | 0.356 | 0.60 | 0.48 | -0.74 | 0.89 | 1.16E-01 | ASPH | intronic |
| 4 | 154696829 | T | C | rs57861602 | 1.82E-01 | 0.035 | 0.047 | 0.72 | 0.47 | -1.12 | 3.10E-05 | 0.085 | 0.048 | 1.84 | 1.31 | -2.6 | 1.32 | 1.16E-01 | RNF175(dist=15442), SFRP2(dist=4913) | intergenic |
| 13 | 43820007 | A | G | rs7338937 | 4.41E-01 | 0.105 | 0.119 | 1.15 | 0.88 | -1.49 | 5.11E-05 | 0.135 | 0.087 | 0.61 | 0.46 | -0.8 | 0.83 | 1.17E-01 | ENOX1 | intronic |
| 20 | 8213008 | A | G | rs73607857 | 1.05E-01 | 0.186 | 0.169 | 1.12 | 0.91 | -1.39 | 2.09E-05 | 0.093 | 0.152 | 0.57 | 0.41 | -0.78 | 0.86 | 1.17E-01 | PLCB1 | intronic |
| 13 | 105496704 | T | A | rs79451999 | 2.33E-01 | 0.026 | 0.034 | 0.76 | 0.46 | -1.25 | 1.14E-06 | 0.052 | 0.027 | 1.98 | 1.28 | -3.06 | 1.50 | 1.18E-01 | LINC01309(dist=1416669), DAOA-AS1(dist=614702) | intergenic |
| 9 | 112589265 | A | T | rs116065410 | 2.43E-01 | 0.018 | 0.025 | 0.69 | 0.38 | -1.26 | 4.27E-05 | 0.054 | 0.026 | 2.09 | 1.36 | -3.21 | 1.44 | 1.18E-01 | PALM2, PALM2-AKAP2 | intronic |
| 13 | 68357206 | G | A | rs74531278 | 5.70E-01 | 0.051 | 0.060 | 0.85 | 0.59 | -1.22 | 1.73E-06 | 0.068 | 0.038 | 1.85 | 1.26 | -2.7 | 1.31 | 1.18E-01 | LINC00364(dist=403080), LINC00550(dist=1078211) | intergenic |
| 11 | 83549094 | T | C | rs59848766 | 1.23E-01 | 0.153 | 0.176 | 0.84 | 0.67 | -1.06 | 5.27E-05 | 0.245 | 0.184 | 1.44 | 1.15 | -1.79 | 1.17 | 1.18E-01 | DLG2 | intronic |
| 5 | 18283771 | C | T | rs147720599 | 1.01E-01 | 0.033 | 0.048 | 0.68 | 0.44 | -1.06 | 3.66E-06 | 0.071 | 0.033 | 2.22 | 1.53 | -3.24 | 1.31 | 1.19E-01 | LOC401177(dist=896352), CDH18(dist=1189384) | intergenic |
| 2 | 222002608 | G | T | rs75087229 | 4.52E-01 | 0.078 | 0.089 | 0.87 | 0.64 | -1.17 | 6.26E-05 | 0.084 | 0.049 | 1.79 | 1.27 | -2.53 | 1.27 | 1.20E-01 | MIR4268(dist=1231322), EPHA4(dist=280139) | intergenic |
| 11 | 110306326 | C | T | rs79237613 | 4.62E-01 | 0.074 | 0.088 | 0.83 | 0.61 | -1.12 | 1.49E-05 | 0.089 | 0.052 | 1.80 | 1.29 | -2.52 | 1.24 | 1.21E-01 | FDX1 | intronic |
| 11 | 110297436 | G | A | rs78540503 | 4.68E-01 | 0.069 | 0.082 | 0.83 | 0.6 | -1.14 | 1.73E-05 | 0.085 | 0.049 | 1.82 | 1.29 | -2.56 | 1.25 | 1.22E-01 | RDX(dist=129999), FDX1(dist=3225) | intergenic |
| 20 | 46034516 | A | G | rs116469114 | 2.56E-01 | 0.029 | 0.040 | 0.73 | 0.46 | -1.18 | 3.63E-05 | 0.067 | 0.037 | 1.87 | 1.27 | -2.74 | 1.35 | 1.22E-01 | ZMYND8(dist=48883), NCOA3(dist=96085) | intergenic |
| 3 | 73468674 | A | G | rs57982910 | 3.03E-01 | 0.048 | 0.059 | 0.81 | 0.55 | -1.17 | 2.27E-05 | 0.072 | 0.037 | 2.03 | 1.4 | -2.95 | 1.31 | 1.23E-01 | PDZRN3 | intronic |
| 2 | 218900295 | G | C | rs934043 | 1.20E-01 | 0.036 | 0.029 | 1.26 | 0.8 | -1.96 | 4.56E-06 | 0.049 | 0.026 | 1.90 | 1.22 | -2.96 | 1.71 | 1.23E-01 | NONE(dist=NONE), NONE(dist=NONE) | intergenic |
| 11 | 110322915 | C | T | rs77551978 | 3.15E-01 | 0.060 | 0.076 | 0.78 | 0.56 | -1.1 | 2.86E-05 | 0.091 | 0.051 | 1.86 | 1.33 | -2.59 | 1.25 | 1.23E-01 | FDX1 | intronic |
| 3 | 147173578 | A | T | rs149413945 | 1.23E-01 | 0.016 | 0.026 | 0.62 | 0.33 | -1.15 | 4.64E-06 | 0.043 | 0.022 | 1.96 | 1.22 | -3.15 | 1.58 | 1.24E-01 | LOC440982 | ncRNA_intronic |
| 11 | 110268950 | C | A | rs76552671 | 3.99E-01 | 0.072 | 0.086 | 0.82 | 0.6 | -1.12 | 1.20E-05 | 0.092 | 0.053 | 1.81 | 1.3 | -2.51 | 1.24 | 1.24E-01 | RDX(dist=101513), FDX1(dist=31711) | intergenic |
| 5 | 18254813 | G | A | rs145534542 | 6.30E-02 | 0.027 | 0.043 | 0.61 | 0.38 | -1 | 2.13E-06 | 0.069 | 0.031 | 2.34 | 1.6 | -3.43 | 1.31 | 1.24E-01 | LOC401177(dist=867394), CDH18(dist=1218342) | intergenic |
| 11 | 110264423 | C | T | rs56284961 | 4.02E-01 | 0.072 | 0.086 | 0.82 | 0.6 | -1.12 | 1.42E-05 | 0.092 | 0.053 | 1.80 | 1.29 | -2.5 | 1.24 | 1.24E-01 | RDX(dist=96986), FDX1(dist=36238) | intergenic |
| 11 | 21489145 | A | G | rs184608495 | 2.84E-01 | 0.037 | 0.047 | 0.78 | 0.51 | -1.19 | 1.25E-05 | 0.060 | 0.030 | 2.04 | 1.36 | -3.07 | 1.36 | 1.24E-01 | NELL1 | intronic |
| 11 | 110310390 | C | T | rs77755553 | 4.49E-01 | 0.073 | 0.088 | 0.82 | 0.61 | -1.12 | 1.50E-05 | 0.089 | 0.052 | 1.80 | 1.29 | -2.52 | 1.24 | 1.26E-01 | FDX1 | intronic |
| 18 | 56925027 | G | C | rs1239968 | 2.67E-01 | 0.065 | 0.074 | 1.13 | 0.82 | -1.57 | 5.73E-05 | 0.148 | 0.109 | 0.71 | 0.54 | -0.92 | 0.81 | 1.28E-01 | GRP(dist=27025), RAX(dist=9240) | intergenic |
| 5 | 18280989 | C | T | rs142443962 | 9.17E-02 | 0.032 | 0.048 | 0.67 | 0.43 | -1.05 | 3.20E-06 | 0.071 | 0.033 | 2.23 | 1.53 | -3.26 | 1.30 | 1.28E-01 | LOC401177(dist=893570), CDH18(dist=1192186) | intergenic |
| 11 | 110312753 | A | G | rs77134801 | 4.41E-01 | 0.073 | 0.088 | 0.82 | 0.6 | -1.12 | 1.50E-05 | 0.089 | 0.052 | 1.80 | 1.29 | -2.52 | 1.24 | 1.29E-01 | FDX1 | intronic |
| 13 | 50573050 | A | G | rs141926024 | 2.80E-01 | 0.019 | 0.027 | 0.72 | 0.4 | -1.28 | 6.44E-05 | 0.050 | 0.023 | 2.23 | 1.43 | -3.49 | 1.39 | 1.30E-01 | DLEU2 | ncRNA_intronic |
| 11 | 110308551 | G | A | rs74972072 | 4.50E-01 | 0.074 | 0.088 | 0.83 | 0.61 | -1.12 | 2.71E-05 | 0.092 | 0.054 | 1.77 | 1.27 | -2.47 | 1.24 | 1.30E-01 | FDX1 | intronic |
| 4 | 146608233 | G | A | rs114863293 | 1.48E-01 | 0.086 | 0.107 | 0.78 | 0.59 | -1.04 | 1.91E-05 | 0.141 | 0.087 | 1.72 | 1.31 | -2.27 | 1.19 | 1.31E-01 | C4orf51 | intronic |
| 1 | 224543316 | C | T | rs114593739 | 6.07E-01 | 0.040 | 0.045 | 0.90 | 0.59 | -1.35 | 4.11E-05 | 0.051 | 0.028 | 1.87 | 1.21 | -2.89 | 1.36 | 1.31E-01 | NVL(dist=25425), CNIH4(dist=1197) | intergenic |
| 10 | 70617417 | C | G | rs78732656 | 3.14E-01 | 0.022 | 0.028 | 0.79 | 0.46 | -1.37 | 4.20E-05 | 0.055 | 0.034 | 1.67 | 1.1 | -2.54 | 1.45 | 1.32E-01 | STOX1 | intronic |
| 5 | 18252058 | C | T | rs141794616 | 6.27E-02 | 0.027 | 0.044 | 0.62 | 0.38 | -1 | 2.07E-06 | 0.068 | 0.030 | 2.34 | 1.59 | -3.45 | 1.31 | 1.33E-01 | LOC401177(dist=864639), CDH18(dist=1221097) | intergenic |
| 10 | 134957873 | C | T | rs11591506 | 2.25E-01 | 0.039 | 0.043 | 0.89 | 0.59 | -1.35 | 4.18E-05 | 0.072 | 0.050 | 1.47 | 1.02 | -2.12 | 1.42 | 1.34E-01 | ADGRA1(dist=12694), KNDC1(dist=16098) | intergenic |
| 11 | 17267614 | C | T | rs11608222 | 1.31E-01 | 0.046 | 0.057 | 0.79 | 0.54 | -1.16 | 3.95E-05 | 0.117 | 0.078 | 1.56 | 1.16 | -2.09 | 1.23 | 1.34E-01 | PIK3C2A(dist=76260), NUCB2(dist=30672) | intergenic |
| 8 | 31322838 | A | G | rs13253087;rs369937911;rs376177396;rs377433365 | 1.42E-01 | 0.041 | 0.045 | 0.91 | 0.61 | -1.36 | 1.41E-05 | 0.085 | 0.054 | 1.63 | 1.16 | -2.29 | 1.32 | 1.35E-01 | WRN(dist=291561), NRG1(dist=174430) | intergenic |
| 5 | 33280416 | G | A | rs79198252 | 1.27E-01 | 0.032 | 0.040 | 0.79 | 0.5 | -1.25 | 9.32E-10 | 0.044 | 0.027 | 1.65 | 1.03 | -2.63 | 0.64 | 1.35E-01 | LOC340113(dist=317843), TARS(dist=160386) | intergenic |
| 13 | 112676742 | A | G | rs79305651 | 2.72E-01 | 0.079 | 0.097 | 0.80 | 0.6 | -1.08 | 3.68E-05 | 0.122 | 0.073 | 1.77 | 1.32 | -2.37 | 1.20 | 1.35E-01 | LINC00403 | ncRNA_intronic |
| 1 | 246837031 | A | T | rs6673111 | 1.05E-01 | 0.330 | 0.352 | 0.91 | 0.76 | -1.08 | 2.50E-05 | 0.408 | 0.332 | 1.39 | 1.15 | -1.68 | 1.12 | 1.36E-01 | CNST(dist=5147), SCCPDH(dist=50347) | intergenic |
| 15 | 83386667 | C | T | rs59669011 | 1.45E-01 | 0.189 | 0.218 | 0.84 | 0.68 | -1.03 | 2.97E-05 | 0.277 | 0.200 | 1.53 | 1.24 | -1.89 | 1.13 | 1.36E-01 | LOC338963(dist=3822), ACTG1P17(dist=8083) | intergenic |
| 16 | 86123241 | G | C | rs62050091 | 1.35E-01 | 0.084 | 0.068 | 1.26 | 0.94 | -1.7 | 4.85E-05 | 0.107 | 0.076 | 1.46 | 1.07 | -1.98 | 1.31 | 1.40E-01 | IRF8(dist=167030), LINC01082(dist=106546) | intergenic |
| 11 | 17259560 | C | T | rs61881884 | 1.18E-01 | 0.046 | 0.058 | 0.78 | 0.53 | -1.15 | 3.45E-05 | 0.118 | 0.079 | 1.56 | 1.16 | -2.1 | 1.23 | 1.41E-01 | PIK3C2A(dist=68206), NUCB2(dist=38726) | intergenic |
| 5 | 18277018 | A | T | rs148833966 | 7.58E-02 | 0.031 | 0.047 | 0.65 | 0.41 | -1.03 | 2.34E-06 | 0.071 | 0.033 | 2.25 | 1.55 | -3.29 | 1.29 | 1.41E-01 | LOC401177(dist=889599), CDH18(dist=1196137) | intergenic |
| 11 | 110252886 | G | C | rs75580406 | 3.04E-01 | 0.057 | 0.071 | 0.79 | 0.56 | -1.11 | 2.31E-05 | 0.086 | 0.050 | 1.81 | 1.29 | -2.55 | 1.25 | 1.41E-01 | RDX(dist=85449), FDX1(dist=47775) | intergenic |
| 11 | 110257419 | A | C | rs59200836 | 3.04E-01 | 0.057 | 0.071 | 0.79 | 0.56 | -1.11 | 2.30E-05 | 0.086 | 0.050 | 1.81 | 1.29 | -2.55 | 1.25 | 1.41E-01 | RDX(dist=89982), FDX1(dist=43242) | intergenic |
| 17 | 76309913 | A | G | rs11651583 | 1.47E-01 | 0.086 | 0.071 | 0.81 | 0.6 | -1.09 | 8.91E-06 | 0.126 | 0.092 | 0. | | | | | | |

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|----|-----------|---|---|--|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 15 | 81169361 | T | C | rs8032278 | 5.82E-01 | 0.031 | 0.036 | 0.88 | 0.55 | -1.39 | 4.13E-05 | 0.048 | 0.025 | 1.95 | 1.24 | -3.05 | 1.34 | 1.51E-01 | CEMP | intronic |
| 11 | 110330041 | A | G | rs79988396 | 2.26E-01 | 0.056 | 0.074 | 0.75 | 0.53 | -1.06 | 2.53E-05 | 0.092 | 0.051 | 1.87 | 1.34 | -2.6 | 1.23 | 1.52E-01 | FDX1 | intronic |
| 14 | 101645661 | G | A | rs4900489 | 1.43E-01 | 0.211 | 0.178 | 1.24 | 1.01 | -1.51 | 4.56E-05 | 0.253 | 0.222 | 1.19 | 0.96 | -1.47 | 1.23 | 1.52E-01 | MEX9(dist=106388), LINC00524(dist=226663) | intergenic |
| 17 | 36631971 | T | G | rs145605839 | 1.58E-01 | 0.032 | 0.043 | 0.73 | 0.47 | -1.15 | 5.48E-05 | 0.049 | 0.027 | 1.85 | 1.19 | -2.89 | 0.68 | 1.53E-01 | ARHGAP23 | intronic |
| 5 | 18273152 | A | G | rs139705399 | 6.49E-02 | 0.030 | 0.046 | 0.63 | 0.4 | -1 | 1.86E-06 | 0.071 | 0.033 | 2.27 | 1.56 | -3.31 | 1.28 | 1.53E-01 | LOC401177(dist=885733), CDH18(dist=1200003) | intergenic |
| 8 | 5233240 | A | G | rs75214314 | 1.38E-01 | 0.020 | 0.031 | 0.64 | 0.37 | -1.13 | 3.90E-05 | 0.062 | 0.028 | 2.29 | 1.53 | -3.42 | 1.32 | 1.53E-01 | CSMD1(dist=380912), LOC100287015(dist=1027837) | intergenic |
| 7 | 43208938 | G | C | rs149524932 | 3.58E-01 | 0.029 | 0.037 | 0.76 | 0.47 | -1.23 | 3.01E-05 | 0.058 | 0.031 | 1.91 | 1.26 | -2.87 | 1.34 | 1.54E-01 | HECW1 | intronic |
| 11 | 17268259 | C | A | rs149364099 | 1.23E-01 | 0.045 | 0.057 | 0.79 | 0.54 | -1.16 | 4.42E-05 | 0.115 | 0.078 | 1.54 | 1.15 | -2.08 | 1.22 | 1.54E-01 | PIK3C2A(dist=76905), NUCB2(dist=30027) | intergenic |
| 6 | 46144623 | G | A | rs148651166 | 1.36E-01 | 0.017 | 0.026 | 0.65 | 0.35 | -1.18 | 1.20E-05 | 0.037 | 0.023 | 1.66 | 1 | -2.74 | 0.60 | 1.55E-01 | ENPP5(dist=5876), RCAN2(dist=43844) | intergenic |
| 10 | 112866769 | G | T | rs74877576 | 1.87E-01 | 0.042 | 0.053 | 0.78 | 0.52 | -1.16 | 3.03E-05 | 0.080 | 0.048 | 1.73 | 1.21 | -2.45 | 1.27 | 1.56E-01 | ADRA2A(dist=26107), GPAM(dist=1042853) | intergenic |
| 5 | 83023344 | G | A | rs147373601 | 3.51E-01 | 0.019 | 0.026 | 0.73 | 0.41 | -1.31 | 5.46E-05 | 0.043 | 0.023 | 1.91 | 1.19 | -3.06 | 1.42 | 1.57E-01 | HAPLN1(dist=6448), EDIL3(dist=213070) | intergenic |
| 13 | 78878024 | T | A | rs79617112 | 1.55E-01 | 0.017 | 0.027 | 0.64 | 0.35 | -1.18 | 2.09E-06 | 0.039 | 0.023 | 1.75 | 1.07 | -2.86 | 0.67 | 1.59E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78878767 | G | A | rs74566709 | 1.56E-01 | 0.017 | 0.027 | 0.64 | 0.35 | -1.18 | 2.18E-06 | 0.039 | 0.023 | 1.74 | 1.06 | -2.86 | 0.67 | 1.59E-01 | RNF219-AS1 | ncRNA_intronic |
| 15 | 81198527 | C | T | rs115817077 | 3.87E-01 | 0.041 | 0.048 | 0.85 | 0.56 | -1.27 | 3.32E-06 | 0.055 | 0.029 | 1.94 | 1.27 | -2.95 | 1.33 | 1.61E-01 | CEMP | intronic |
| 17 | 72959176 | G | C | rs60549366 | 1.66E-01 | 0.024 | 0.034 | 0.69 | 0.41 | -1.16 | 3.96E-05 | 0.032 | 0.020 | 1.59 | 0.92 | -2.75 | 0.68 | 1.61E-01 | HID1 | exonic |
| 9 | 137956827 | T | G | rs60478178 | 2.69E-01 | 0.059 | 0.072 | 0.80 | 0.57 | -1.13 | 4.32E-09 | 0.085 | 0.047 | 1.86 | 1.32 | -2.63 | 1.25 | 1.63E-01 | FCN1(dist=147021), OLFM1(dist=10262) | intergenic |
| 3 | 27831914 | T | C | rs60579266 | 1.81E-01 | 0.058 | 0.064 | 0.90 | 0.64 | -1.28 | 1.96E-05 | 0.105 | 0.071 | 1.52 | 1.12 | -2.08 | 1.24 | 1.66E-01 | EOMES(dist=67708), CMC1(dist=451210) | intergenic |
| 15 | 95901290 | G | T | rs116126739 | 1.15E-01 | 0.041 | 0.054 | 0.74 | 0.49 | -1.1 | 6.38E-06 | 0.077 | 0.036 | 2.20 | 1.53 | -3.16 | 1.25 | 1.66E-01 | LINC01197(dist=30961), LINC00924(dist=75032) | intergenic |
| 2 | 222793775 | C | T | rs115789277 | 2.07E-01 | 0.028 | 0.040 | 0.70 | 0.44 | -1.14 | 9.64E-07 | 0.053 | 0.023 | 2.38 | 1.54 | -3.67 | 1.32 | 1.67E-01 | EPHA4(dist=354853), PAX3(dist=270831) | intergenic |
| 2 | 222798082 | C | T | rs78153668 | 2.10E-01 | 0.028 | 0.040 | 0.70 | 0.44 | -1.14 | 1.09E-06 | 0.053 | 0.023 | 2.38 | 1.54 | -3.67 | 1.32 | 1.67E-01 | EPHA4(dist=359160), PAX3(dist=266524) | intergenic |
| 9 | 137954129 | G | A | rs73664032 | 2.62E-01 | 0.059 | 0.072 | 0.80 | 0.57 | -1.12 | 4.36E-09 | 0.085 | 0.048 | 1.87 | 1.32 | -2.63 | 1.25 | 1.68E-01 | FCN1(dist=144323), OLFM1(dist=12960) | intergenic |
| 9 | 137952970 | A | C | rs73664029 | 2.61E-01 | 0.059 | 0.072 | 0.80 | 0.57 | -1.12 | 4.32E-09 | 0.085 | 0.048 | 1.87 | 1.32 | -2.63 | 1.25 | 1.68E-01 | FCN1(dist=143164), OLFM1(dist=14119) | intergenic |
| 17 | 74735743 | G | A | rs182982293 | 1.74E-01 | 0.016 | 0.021 | 0.76 | 0.4 | -1.43 | 7.61E-06 | 0.033 | 0.020 | 1.67 | 0.98 | -2.84 | 0.57 | 1.68E-01 | MFRD11 | intronic |
| 4 | 186968138 | A | G | rs11735786 | 8.36E-02 | 0.374 | 0.392 | 1.08 | 0.91 | -1.27 | 1.93E-05 | 0.495 | 0.432 | 0.77 | 0.64 | -0.93 | 0.89 | 1.69E-01 | SORBS2(dist=90268), TLR3(dist=22171) | intergenic |
| 3 | 73452201 | T | C | rs191040043 | 1.48E-01 | 0.034 | 0.048 | 0.70 | 0.46 | -1.09 | 2.86E-05 | 0.069 | 0.034 | 2.09 | 1.43 | -3.06 | 1.28 | 1.69E-01 | PDZRN3 | intronic |
| 6 | 142988311 | A | G | rs73780104 | 3.22E-01 | 0.033 | 0.040 | 0.80 | 0.51 | -1.26 | 3.50E-07 | 0.046 | 0.022 | 2.16 | 1.36 | -3.42 | 1.38 | 1.70E-01 | LOC153910(dist=29285), HIVEP2(dist=84293) | intergenic |
| 11 | 110270304 | C | T | rs55772473 | 2.86E-01 | 0.060 | 0.075 | 0.79 | 0.56 | -1.1 | 1.94E-05 | 0.085 | 0.048 | 1.82 | 1.29 | -2.57 | 1.23 | 1.71E-01 | RDx(dist=102867), FDx1(dist=30357) | intergenic |
| 1 | 153185825 | G | A | rs139701368 | 9.09E-02 | 0.016 | 0.027 | 0.58 | 0.31 | -1.08 | 2.95E-05 | 0.051 | 0.023 | 2.25 | 1.45 | -3.5 | 1.36 | 1.73E-01 | LELP1(dist=8224), PRR9(dist=4235) | intergenic |
| 15 | 95898339 | T | C | rs78417504 | 1.14E-01 | 0.041 | 0.055 | 0.74 | 0.49 | -1.1 | 7.66E-06 | 0.077 | 0.037 | 2.19 | 1.52 | -3.14 | 1.24 | 1.74E-01 | LINC01197(dist=28010), LINC00924(dist=77983) | intergenic |
| 10 | 14831155 | A | G | rs76588015 | 1.45E-01 | 0.018 | 0.026 | 0.68 | 0.37 | -1.24 | 3.71E-05 | 0.031 | 0.020 | 1.56 | 0.9 | -2.7 | 0.63 | 1.75E-01 | FAM107B(dist=14259), CDFNF(dist=30096) | intergenic |
| 1 | 4749103 | G | A | rs4092258 | 3.85E-01 | 0.050 | 0.056 | 0.89 | 0.61 | -1.29 | 4.73E-05 | 0.081 | 0.054 | 1.56 | 1.1 | -2.21 | 1.26 | 1.75E-01 | AJAP1 | intronic |
| 18 | 57332849 | A | G | rs138119028 | 5.00E-01 | 0.022 | 0.027 | 0.82 | 0.47 | -1.41 | 4.96E-05 | 0.041 | 0.021 | 1.97 | 1.21 | -3.21 | 1.38 | 1.76E-01 | CCBE1 | intronic |
| 3 | 152319326 | T | C | rs60455236 | 3.26E-01 | 0.040 | 0.051 | 0.79 | 0.52 | -1.18 | 4.72E-05 | 0.061 | 0.034 | 1.86 | 1.24 | -2.77 | 1.31 | 1.78E-01 | MBNL1(dist=135757), P2RY1(dist=233410) | intergenic |
| 14 | 91707912 | A | C | rs74086323 | 2.22E-01 | 0.045 | 0.059 | 0.76 | 0.52 | -1.11 | 2.39E-05 | 0.077 | 0.041 | 1.94 | 1.35 | -2.78 | 1.24 | 1.78E-01 | GPR68 | intronic |
| 15 | 82411217 | T | A | rs55681845 | 1.62E-01 | 0.037 | 0.042 | 0.85 | 0.72 | -1.02 | 5.85E-05 | 0.368 | 0.283 | 1.48 | 1.21 | -1.79 | 1.10 | 1.79E-01 | LINC01583(dist=21183), EFTUD1(dist=11344) | intergenic |
| 5 | 18276310 | A | G | rs139789530 | 3.83E-02 | 0.026 | 0.043 | 0.59 | 0.36 | -0.96 | 2.56E-06 | 0.069 | 0.031 | 2.31 | 1.57 | -3.38 | 1.27 | 1.79E-01 | LOC401177(dist=888891), CDH18(dist=1196845) | intergenic |
| 8 | 139201229 | C | T | rs34355116;rs186496690;rs386730628;rs386730629 | 1.76E-01 | 0.123 | 0.146 | 0.82 | 0.64 | -1.05 | 9.09E-06 | 0.174 | 0.112 | 1.67 | 1.3 | -2.15 | 1.15 | 1.79E-01 | FAM135B | intronic |
| 13 | 78862527 | A | C | rs76219190 | 1.76E-01 | 0.017 | 0.026 | 0.65 | 0.35 | -1.2 | 2.16E-06 | 0.039 | 0.023 | 1.74 | 1.06 | -2.85 | 0.68 | 1.79E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78861066 | T | C | rs78222133 | 1.76E-01 | 0.017 | 0.026 | 0.65 | 0.35 | -1.19 | 2.17E-06 | 0.039 | 0.023 | 1.74 | 1.06 | -2.85 | 0.68 | 1.80E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78872166 | T | C | rs76054032 | 1.77E-01 | 0.017 | 0.026 | 0.65 | 0.35 | -1.2 | 2.24E-06 | 0.039 | 0.023 | 1.74 | 1.06 | -2.85 | 0.68 | 1.80E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78873440 | G | A | rs76711188 | 1.77E-01 | 0.017 | 0.026 | 0.65 | 0.35 | -1.2 | 2.22E-06 | 0.039 | 0.023 | 1.74 | 1.06 | -2.85 | 0.68 | 1.81E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78873846 | G | T | rs77618544 | 1.78E-01 | 0.017 | 0.026 | 0.65 | 0.35 | -1.2 | 2.22E-06 | 0.039 | 0.023 | 1.74 | 1.06 | -2.85 | 0.68 | 1.81E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78846263 | G | A | rs79854491 | 1.79E-01 | 0.016 | 0.025 | 0.64 | 0.34 | -1.2 | 2.92E-06 | 0.039 | 0.023 | 1.73 | 1.06 | -2.84 | 0.68 | 1.82E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78835361 | T | C | rs80187665 | 1.80E-01 | 0.016 | 0.025 | 0.64 | 0.34 | -1.2 | 2.53E-06 | 0.039 | 0.023 | 1.74 | 1.06 | -2.85 | 0.68 | 1.83E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78837277 | T | A | rs78474623 | 1.80E-01 | 0.016 | 0.025 | 0.64 | 0.34 | -1.2 | 2.54E-06 | 0.039 | 0.023 | 1.74 | 1.06 | -2.85 | 0.68 | 1.83E-01 | RNF219-AS1 | ncRNA_intronic |
| 10 | 91289848 | A | C | rs77728872 | 9.19E-02 | 0.031 | 0.044 | 0.68 | 0.43 | -1.08 | 5.27E-05 | 0.074 | 0.040 | 1.94 | 1.34 | -2.8 | 1.28 | 1.84E-01 | SLC16A12 | intronic |
| 13 | 78833053 | T | C | rs115696291 | 1.82E-01 | 0.016 | 0.024 | 0.64 | 0.34 | -1.21 | 1.61E-06 | 0.039 | 0.023 | 1.74 | 1.06 | -2.85 | 0.67 | 1.85E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78832827 | C | T | rs77583205 | 1.82E-01 | 0.016 | 0.024 | 0.64 | 0.34 | -1.21 | 1.57E-06 | 0.039 | 0.023 | 1.74 | 1.06 | -2.85 | 0.67 | 1.86E-01 | RNF219-AS1 | ncRNA_intronic |
| 7 | 114623984 | C | T | rs78351730 | 2.81E-01 | 0.014 | 0.021 | 0.68 | 0.35 | -1.33 | 2.56E-05 | 0.040 | 0.021 | 1.93 | 1.18 | -3.16 | 1.48 | 1.88E-01 | MDFIC | intronic |
| 5 | 18274248 | A | G | rs141362926 | 3.41E-02 | 0.025 | 0.043 | 0.57 | 0.35 | -0.95 | 2.24E-06 | 0.069 | 0.031 | 2.32 | 1.58 | -3.4 | 1.27 | 1.89E-01 | LOC401177(dist=886829), CDH18(dist=1198907) | intergenic |
| 10 | 42729420 | C | T | rs12098665 | 1.80E-01 | 0.063 | 0.055 | 1.16 | 0.82 | -1.62 | 4.21E-05 | 0.054 | 0.033 | 1.69 | 1.11 | -2.58 | 1.37 | 1.90E-01 | NONE(dist=NONE), LOC441666(dist=97894) | intergenic |
| 2 | 8741693 | G | A | rs143340884 | 1.88E-01 | 0.021 | 0.025 | 0.83 | 0.47 | -1.45 | 1.64E-05 | 0.057 | 0.036 | 1.61 | 1.07 | -2.42 | 0.64 | 1.91E-01 | LOC101929567(dist=17771), ID2-AS1(dist=69421) | intergenic |
| 6 | 74152110 | C | T | rs80323534 | 1.75E-01 | 0.057 | 0.070 | 0.82 | 0.58 | -1.15 | 2.73E-05 | 0.094 | 0.057 | 1.73 | 1.25 | -2.4 | 1.24 | 1.94E-01 | MB21D1 | intronic |
| 8 | 62448878 | G | A | rs10106775 | 8.31E-02 | 0.316 | 0.266 | 1.27 | 1.07 | -1.52 | 3.62E-05 | 0.243 | 0.345 | 0.61 | 0.49 | -0.76 | 0.91 | 1.95E-01 | ASPH | intronic |
| 3 | 116649091 | C | T | rs60708676 | 7.57E-02 | 0.026 | 0.042 | 0.62 | 0.38 | -1.01 | 1.15E-06 | 0.062 | 0.026 | 2.44 | 1.63 | -3.66 | 1.28 | 1.96E-01 | LINC00901 | ncRNA_intronic |
| 8 | 5221345 | G | A | rs115300597 | 1.76E-01 | 0.028 | 0.038 | 0.72 | 0.45 | -1.17 | 4.69E-05 | 0.060 | 0.028 | 2.23 | 1.48 | -3.35 | 1.28 | 1.96E-01 | CSMD1(dist=36907), LOC100287015(dist=1039732) | intergenic |
| 5 | 169366581 | C | T | rs259908 | 6.46E-02 | 0.019 | 0.030 | 0.62 | 0.35 | -1.11 | 2.71E-06 | 0.050 | 0.023 | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 13 | 78943028 | C | T | rs117152880 | 2.07E-01 | 0.015 | 0.023 | 0.67 | 0.35 | -1.27 | 1.51E-05 | 0.037 | 0.021 | 1.74 | 1.05 | -2.9 | 0.67 | 2.11E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78942393 | G | A | rs77452499 | 2.07E-01 | 0.015 | 0.023 | 0.67 | 0.35 | -1.27 | 1.49E-05 | 0.037 | 0.021 | 1.74 | 1.05 | -2.9 | 0.67 | 2.11E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78943318 | G | A | rs75119373 | 2.07E-01 | 0.015 | 0.023 | 0.67 | 0.35 | -1.27 | 1.51E-05 | 0.037 | 0.021 | 1.74 | 1.05 | -2.9 | 0.67 | 2.11E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 50109085 | G | A | rs151311812 | 1.46E-01 | 0.024 | 0.034 | 0.69 | 0.41 | -1.16 | 1.83E-05 | 0.053 | 0.025 | 2.18 | 1.41 | -3.35 | 1.30 | 2.11E-01 | RCBTB1 | intronic |
| 8 | 139201230 | T | G | rs386730628;rs386730629;rs189692621 | 1.44E-01 | 0.111 | 0.134 | 0.81 | 0.63 | -1.05 | 4.84E-06 | 0.159 | 0.102 | 1.66 | 1.28 | -2.15 | 1.16 | 2.13E-01 | FAM135B | intronic |
| 7 | 11626296 | C | T | rs17168481 | 2.10E-01 | 0.045 | 0.057 | 0.78 | 0.53 | -1.14 | 6.71E-06 | 0.074 | 0.040 | 1.93 | 1.34 | -2.79 | 1.23 | 2.14E-01 | THSD7A | intronic |
| 2 | 222800425 | C | T | rs182974748 | 2.15E-01 | 0.027 | 0.038 | 0.70 | 0.43 | -1.15 | 5.65E-06 | 0.049 | 0.022 | 2.31 | 1.47 | -3.63 | 1.30 | 2.15E-01 | EPHA4(dist=361503), PAX3(dist=264181) | intergenic |
| 7 | 114623006 | C | T | rs76584855 | 2.67E-01 | 0.014 | 0.020 | 0.67 | 0.34 | -1.32 | 3.33E-05 | 0.039 | 0.020 | 1.94 | 1.18 | -3.2 | 1.44 | 2.16E-01 | MDFC | intronic |
| 9 | 137948394 | G | A | rs77449344 | 3.33E-01 | 0.036 | 0.045 | 0.78 | 0.51 | -1.21 | 1.67E-05 | 0.058 | 0.031 | 1.93 | 1.28 | -2.91 | 1.26 | 2.16E-01 | FCN1(dist=138588), OLFM1(dist=18695) | intergenic |
| 8 | 62442962 | C | T | rs4416815 | 8.89E-02 | 0.318 | 0.266 | 1.28 | 1.07 | -1.53 | 6.03E-05 | 0.253 | 0.353 | 0.62 | 0.5 | -0.77 | 0.91 | 2.18E-01 | ASPH | intronic |
| 9 | 135297925 | G | C | rs944615 | 2.15E-01 | 0.064 | 0.079 | 0.80 | 0.58 | -1.11 | 3.44E-05 | 0.077 | 0.052 | 1.50 | 1.05 | -2.14 | 0.77 | 2.20E-01 | C9orf171 | intronic |
| 13 | 78822358 | A | G | rs76763033 | 2.18E-01 | 0.016 | 0.023 | 0.67 | 0.35 | -1.26 | 8.57E-07 | 0.039 | 0.023 | 1.73 | 1.05 | -2.84 | 0.69 | 2.22E-01 | RNF219-AS1 | ncRNA_intronic |
| 14 | 91693336 | G | C | rs57997585 | 1.82E-01 | 0.028 | 0.038 | 0.74 | 0.46 | -1.19 | 3.93E-05 | 0.061 | 0.034 | 1.81 | 1.21 | -2.71 | 1.29 | 2.22E-01 | C14orf159(dist=1596), GPR68(dist=5540) | intergenic |
| 14 | 91693335 | G | T | rs61286301 | 1.82E-01 | 0.028 | 0.038 | 0.74 | 0.46 | -1.19 | 3.93E-05 | 0.061 | 0.034 | 1.81 | 1.21 | -2.71 | 1.29 | 2.22E-01 | C14orf159(dist=1595), GPR68(dist=5541) | intergenic |
| 7 | 114621643 | A | T | rs77503901 | 2.67E-01 | 0.014 | 0.021 | 0.67 | 0.34 | -1.32 | 3.58E-05 | 0.039 | 0.020 | 1.93 | 1.17 | -3.18 | 1.44 | 2.24E-01 | MDFC | intronic |
| 14 | 99653123 | C | T | rs10484068 | 2.14E-01 | 0.039 | 0.032 | 1.24 | 0.81 | -1.91 | 3.96E-05 | 0.048 | 0.035 | 1.39 | 0.89 | -2.15 | 1.49 | 2.25E-01 | BCL11B | intronic |
| 13 | 78935905 | A | C | rs80255344 | 2.23E-01 | 0.018 | 0.026 | 0.69 | 0.38 | -1.25 | 4.40E-05 | 0.038 | 0.023 | 1.68 | 1.02 | -2.76 | 0.70 | 2.26E-01 | RNF219-AS1 | ncRNA_intronic |
| 1 | 15152036 | C | G | rs12137340 | 2.19E-01 | 0.024 | 0.026 | 0.89 | 0.52 | -1.51 | 7.37E-08 | 0.061 | 0.045 | 1.38 | 0.93 | -2.05 | 0.69 | 2.27E-01 | KAZN | intronic |
| 7 | 61665437 | T | G | rs148284096 | 1.77E-01 | 0.053 | 0.066 | 0.79 | 0.55 | -1.12 | 9.27E-06 | 0.085 | 0.051 | 1.74 | 1.23 | -2.45 | 1.24 | 2.27E-01 | NONE(dist=NONE), ZNF733P(dist=1086233) | intergenic |
| 17 | 75551688 | G | A | rs77154082 | 2.34E-01 | 0.023 | 0.028 | 0.80 | 0.47 | -1.37 | 4.96E-06 | 0.064 | 0.045 | 1.45 | 0.98 | -2.13 | 0.71 | 2.28E-01 | LOC100507351 | ncRNA_intronic |
| 11 | 131540812 | G | A | rs77019611 | 2.31E-01 | 0.034 | 0.029 | 1.17 | 0.74 | -1.85 | 1.96E-05 | 0.041 | 0.025 | 1.69 | 1.05 | -2.74 | 1.46 | 2.30E-01 | NTM | intronic |
| 13 | 47577117 | A | T | rs79106328 | 8.48E-02 | 0.057 | 0.080 | 0.70 | 0.5 | -0.98 | 4.41E-05 | 0.112 | 0.062 | 1.92 | 1.42 | -2.61 | 1.17 | 2.31E-01 | HTR2A(dist=105906), LINC00562(dist=927171) | intergenic |
| 8 | 5232827 | T | C | rs144599766 | 1.16E-01 | 0.026 | 0.038 | 0.67 | 0.41 | -1.11 | 3.25E-05 | 0.064 | 0.029 | 2.26 | 1.52 | -3.36 | 1.24 | 2.34E-01 | CSMD1(dist=380499), LOC100287015(dist=1028250) | intergenic |
| 6 | 122448447 | A | T | rs75170456 | 3.10E-01 | 0.026 | 0.033 | 0.79 | 0.48 | -1.31 | 5.80E-05 | 0.043 | 0.022 | 2.01 | 1.25 | -3.23 | 1.33 | 2.36E-01 | GJA1(dist=677557), HSF2(dist=272249) | intergenic |
| 11 | 110363706 | G | T | rs55727616 | 1.05E-02 | 0.044 | 0.065 | 0.67 | 0.45 | -0.98 | 1.61E-05 | 0.085 | 0.045 | 1.94 | 1.38 | -2.74 | 1.21 | 2.37E-01 | FDX1(dist=28098), ARHGAP20(dist=84053) | intergenic |
| 16 | 81770239 | C | T | rs149745730 | 2.32E-01 | 0.032 | 0.041 | 0.77 | 0.49 | -1.22 | 6.52E-09 | 0.056 | 0.032 | 1.83 | 1.21 | -2.78 | 0.71 | 2.38E-01 | CMIP(dist=24872), PLCG2(dist=42624) | intergenic |
| 21 | 42913436 | C | T | rs77512062 | 2.31E-01 | 0.018 | 0.025 | 0.70 | 0.38 | -1.27 | 1.33E-05 | 0.060 | 0.040 | 1.53 | 1.02 | -2.28 | 0.70 | 2.41E-01 | TMPPRSS2(dist=33351), LINC00111(dist=186026) | intergenic |
| 21 | 42912013 | C | T | rs80059191 | 2.31E-01 | 0.017 | 0.024 | 0.69 | 0.37 | -1.28 | 1.88E-05 | 0.060 | 0.040 | 1.52 | 1.02 | -2.27 | 0.70 | 2.42E-01 | TMPPRSS2(dist=31928), LINC00111(dist=187449) | intergenic |
| 21 | 42913957 | C | T | rs75355745 | 2.32E-01 | 0.018 | 0.025 | 0.70 | 0.38 | -1.27 | 1.47E-05 | 0.060 | 0.040 | 1.53 | 1.02 | -2.28 | 0.70 | 2.43E-01 | TMPPRSS2(dist=33872), LINC00111(dist=185505) | intergenic |
| 11 | 17283613 | T | C | rs1979602 | 3.20E-02 | 0.020 | 0.031 | 0.63 | 0.36 | -1.11 | 3.14E-05 | 0.084 | 0.055 | 1.56 | 1.11 | -2.2 | 1.24 | 2.44E-01 | PIK3C2A(dist=92259), NUCB2(dist=14673) | intergenic |
| 18 | 22948405 | G | T | rs139762389 | 3.38E-01 | 0.027 | 0.032 | 0.81 | 0.49 | -1.34 | 3.45E-05 | 0.042 | 0.022 | 1.94 | 1.2 | -3.14 | 1.32 | 2.46E-01 | ZNF521(dist=16191), SS18(dist=647812) | intergenic |
| 11 | 3378263 | G | A | rs74849538 | 2.48E-01 | 0.037 | 0.030 | 1.21 | 0.78 | -1.89 | 4.60E-06 | 0.034 | 0.021 | 1.66 | 0.98 | -2.81 | 1.38 | 2.47E-01 | ZNF195 | downstream |
| 14 | 105495663 | C | T | rs60187408 | 6.08E-02 | 0.199 | 0.179 | 1.14 | 0.92 | -1.39 | 3.66E-05 | 0.108 | 0.168 | 0.60 | 0.44 | -0.8 | 0.90 | 2.49E-01 | CDCA4(dist=8238), GPR132(dist=20063) | intergenic |
| 16 | 2880199 | C | T | rs113443450 | 1.57E-01 | 0.036 | 0.050 | 0.72 | 0.47 | -1.1 | 3.85E-07 | 0.058 | 0.029 | 2.09 | 1.39 | -3.16 | 1.25 | 2.51E-01 | ZG16B(NM_145252:c.-50C>T) | UTR5 |
| 17 | 75549912 | G | A | rs149198037 | 2.58E-01 | 0.018 | 0.023 | 0.77 | 0.42 | -1.42 | 1.38E-09 | 0.039 | 0.025 | 1.59 | 0.97 | -2.61 | 0.67 | 2.52E-01 | LOC100507351 | ncRNA_intronic |
| 13 | 107486592 | C | A | rs7139820 | 2.48E-01 | 0.089 | 0.080 | 1.12 | 0.84 | -1.5 | 4.86E-07 | 0.139 | 0.097 | 1.51 | 1.15 | -1.98 | 1.26 | 2.52E-01 | LINC00443(dist=162064), FAM1155A(dist=334287) | intergenic |
| 21 | 42909436 | C | T | rs74513277 | 2.43E-01 | 0.015 | 0.021 | 0.69 | 0.36 | -1.33 | 5.23E-07 | 0.061 | 0.039 | 1.59 | 1.07 | -2.37 | 0.69 | 2.54E-01 | TMPPRSS2(dist=29351), LINC00111(dist=190026) | intergenic |
| 9 | 128965939 | G | A | rs77804330 | 6.92E-02 | 0.011 | 0.021 | 0.51 | 0.24 | -1.09 | 4.69E-05 | 0.045 | 0.021 | 2.19 | 1.37 | -3.48 | 1.35 | 2.55E-01 | PBX3(dist=236284), LOC101929116(dist=66464) | intergenic |
| 9 | 127391489 | C | T | rs76566002 | 2.52E-01 | 0.043 | 0.054 | 0.78 | 0.53 | -1.16 | 3.63E-07 | 0.038 | 0.025 | 1.55 | 0.94 | -2.54 | 0.77 | 2.56E-01 | NR6A1 | intronic |
| 11 | 6358200 | A | T | rs2682117 | 2.61E-01 | 0.141 | 0.131 | 1.09 | 0.86 | -1.38 | 2.38E-08 | 0.184 | 0.127 | 1.55 | 1.21 | -1.97 | 1.22 | 2.60E-01 | PRKCSBP(dist=16460), SMPD1(dist=53444) | intergenic |
| 16 | 81769588 | C | A | rs114433826 | 2.56E-01 | 0.034 | 0.044 | 0.78 | 0.5 | -1.21 | 1.55E-07 | 0.057 | 0.033 | 1.78 | 1.18 | -2.69 | 0.73 | 2.62E-01 | CMIP(dist=24221), PLCG2(dist=43275) | intergenic |
| 12 | 1131155 | C | G | rs115846733 | 2.65E-01 | 0.033 | 0.028 | 1.16 | 0.73 | -1.85 | 1.76E-08 | 0.042 | 0.025 | 1.70 | 1.06 | -2.75 | 1.47 | 2.63E-01 | ERC1 | intronic |
| 9 | 128960073 | G | A | rs114184642 | 6.64E-02 | 0.011 | 0.021 | 0.51 | 0.24 | -1.08 | 5.27E-05 | 0.045 | 0.021 | 2.19 | 1.37 | -3.48 | 1.34 | 2.66E-01 | PBX3(dist=230418), LOC101929116(dist=72330) | intergenic |
| 19 | 6922231 | G | A | rs11665859 | 3.01E-02 | 0.220 | 0.185 | 1.25 | 1.02 | -1.52 | 5.87E-05 | 0.128 | 0.204 | 0.57 | 0.43 | -0.76 | 0.91 | 2.69E-01 | ADGRE1 | intronic |
| 11 | 17305854 | C | T | rs72863661 | 5.65E-02 | 0.057 | 0.073 | 0.78 | 0.55 | -1.09 | 2.58E-05 | 0.137 | 0.098 | 1.46 | 1.11 | -1.93 | 1.15 | 2.71E-01 | NUCB2 | intronic |
| 13 | 78925903 | C | T | rs78058983 | 2.69E-01 | 0.017 | 0.024 | 0.70 | 0.38 | -1.3 | 1.69E-05 | 0.037 | 0.022 | 1.73 | 1.04 | -2.87 | 0.72 | 2.73E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78926490 | T | C | rs75214321 | 2.69E-01 | 0.017 | 0.024 | 0.70 | 0.38 | -1.3 | 1.67E-05 | 0.037 | 0.022 | 1.73 | 1.04 | -2.87 | 0.72 | 2.73E-01 | RNF219-AS1 | ncRNA_intronic |
| 8 | 60267086 | C | T | rs73262046 | 2.80E-01 | 0.025 | 0.030 | 0.80 | 0.48 | -1.34 | 1.16E-07 | 0.044 | 0.023 | 1.97 | 1.23 | -3.15 | 0.71 | 2.74E-01 | TOX(dist=235319), CA8(dist=834337) | intergenic |
| 5 | 83017867 | C | G | rs148389628 | 2.24E-01 | 0.024 | 0.033 | 0.71 | 0.43 | -1.2 | 3.01E-05 | 0.043 | 0.023 | 1.94 | 1.21 | -3.13 | 1.30 | 2.76E-01 | HAPLN1 | upstream |
| 13 | 78931179 | C | T | rs74547404 | 2.72E-01 | 0.017 | 0.024 | 0.70 | 0.38 | -1.3 | 1.58E-05 | 0.037 | 0.022 | 1.73 | 1.04 | -2.87 | 0.72 | 2.76E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78931445 | C | A | rs79199772 | 2.72E-01 | 0.017 | 0.024 | 0.71 | 0.38 | -1.3 | 1.59E-05 | 0.037 | 0.022 | 1.73 | 1.04 | -2.87 | 0.72 | 2.76E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78932525 | G | T | rs77487726 | 2.73E-01 | 0.017 | 0.024 | 0.71 | 0.38 | -1.3 | 1.56E-05 | 0.037 | 0.022 | 1.73 | 1.05 | -2.88 | 0.72 | 2.77E-01 | RNF219-AS1 | ncRNA_intronic |
| 15 | 22801215 | C | T | rs7497873 | 2.76E-01 | 0.063 | 0.056 | 1.13 | 0.81 | -1.59 | 1.93E-05 | 0.055 | 0.039 | 1.42 | 0.93 | -2.14 | 1.25 | 2.77E-01 | GOLGA6L1(dist=55213), TUBGCP5(dist=32180) | intergenic |
| 13 | 78936893 | A | G | rs116899733 | 2.74E-01 | 0.017 | 0.024 | 0.71 | 0.38 | -1.3 | 1.55E-05 | 0.037 | 0.022 | 1.73 | 1.05 | -2.88 | 0.72 | 2.78E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78937309 | G | T | rs76213407 | 2.74E-01 | 0.017 | 0.024 | 0.71 | 0.38 | -1.3 | 1.55E-05 | 0.037 | 0.022 | 1.73 | 1.05 | -2.88 | 0.72 | 2.78E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78940671 | A | C | rs77482082 | 2.74E-01 | 0.017 | 0.024 | 0.71 | 0.38 | -1.3 | 1.56E-05 | 0.037 | 0.022 | 1.73 | 1.05 | -2.88 | 0.72 | 2.78E-01 | RNF219-AS1 | ncRNA_intronic |
| 6 | 29417198 | C | A | rs114854144 | 3.22E-02 | 0.044 | 0.066 | 0.65 | 0.44 | -0.95 | 5.45E-05 | 0.110 | 0.061 | 1.91 | 1.4 | -2.59 | 1.16 | 2. | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 11 | 11336576 | A | C | rs75424437 | 6.04E-02 | 0.018 | 0.030 | 0.60 | 0.33 | -1.08 | 1.36E-06 | 0.051 | 0.027 | 1.96 | 1.26 | -3.04 | 1.30 | 3.11E-01 | GALNT18 | intronic |
| 12 | 96880353 | T | A | rs61940377 | 3.13E-01 | 0.026 | 0.020 | 1.30 | 0.77 | -2.2 | 2.44E-08 | 0.044 | 0.030 | 1.45 | 0.91 | -2.31 | 1.49 | 3.12E-01 | CDK17(dist=85987), NEDD1(dist=420648) | intergenic |
| 18 | 7818077 | C | G | rs77453554 | 1.21E-01 | 0.032 | 0.044 | 0.72 | 0.46 | -1.13 | 2.88E-05 | 0.062 | 0.034 | 1.85 | 1.24 | -2.75 | 1.23 | 3.15E-01 | PTPRM | intronic |
| 12 | 593710 | G | T | rs115365419 | 3.17E-01 | 0.022 | 0.029 | 0.76 | 0.44 | -1.3 | 1.26E-05 | 0.043 | 0.023 | 1.90 | 1.18 | -3.05 | 0.71 | 3.15E-01 | B4GALNT3 | intronic |
| 19 | 6922418 | A | C | rs12975999 | 2.42E-02 | 0.252 | 0.213 | 1.25 | 1.03 | -1.51 | 5.63E-05 | 0.152 | 0.232 | 0.59 | 0.46 | -0.77 | 0.93 | 3.19E-01 | ADGRE1 | intronic |
| 18 | 726687 | A | G | rs144246538 | 2.71E-01 | 0.031 | 0.042 | 0.73 | 0.46 | -1.16 | 7.46E-06 | 0.045 | 0.021 | 2.16 | 1.35 | -3.44 | 1.22 | 3.19E-01 | YES1 | intronic |
| 18 | 719684 | A | G | rs79620408 | 2.64E-01 | 0.030 | 0.041 | 0.72 | 0.45 | -1.15 | 5.65E-06 | 0.044 | 0.021 | 2.18 | 1.36 | -3.49 | 1.23 | 3.20E-01 | ENOSF1(dist=7022), YES1(dist=1908) | intergenic |
| 19 | 56064517 | C | T | rs143928767 | 3.19E-01 | 0.151 | 0.142 | 1.08 | 0.86 | -1.36 | 9.31E-06 | 0.138 | 0.109 | 1.31 | 1 | -1.73 | 1.15 | 3.21E-01 | SBK3(dist=7608), ZNF579(dist=24374) | intergenic |
| 11 | 110334065 | C | G | rs74785078 | 9.17E-02 | 0.052 | 0.074 | 0.68 | 0.48 | -0.98 | 5.82E-05 | 0.097 | 0.056 | 1.82 | 1.31 | -2.51 | 1.15 | 3.21E-01 | FDX1(NM_004109;c.*873C>G) | UTR3 |
| 18 | 726528 | C | T | rs141917774 | 2.69E-01 | 0.031 | 0.042 | 0.73 | 0.46 | -1.15 | 7.48E-06 | 0.045 | 0.021 | 2.16 | 1.35 | -3.44 | 1.22 | 3.23E-01 | YES1 | intronic |
| 2 | 69456417 | T | C | rs77816630 | 7.83E-02 | 0.021 | 0.026 | 0.83 | 0.47 | -1.44 | 7.96E-07 | 0.051 | 0.034 | 1.52 | 0.99 | -2.34 | 1.30 | 3.24E-01 | ANTXR1 | intronic |
| 13 | 78932059 | G | A | rs75759414 | 3.21E-01 | 0.018 | 0.024 | 0.74 | 0.41 | -1.34 | 1.95E-05 | 0.037 | 0.022 | 1.72 | 1.04 | -2.86 | 0.74 | 3.25E-01 | RNF219-AS1 | ncRNA_intronic |
| 15 | 95941317 | A | G | rs79353435 | 4.69E-02 | 0.029 | 0.043 | 0.65 | 0.41 | -1.05 | 2.24E-05 | 0.065 | 0.033 | 2.06 | 1.4 | -3.04 | 1.21 | 3.27E-01 | LINC01197(dist=70988), LINC00924(dist=35005) | intergenic |
| 3 | 152350774 | G | T | rs7621028 | 1.30E-01 | 0.027 | 0.041 | 0.66 | 0.41 | -1.08 | 4.95E-06 | 0.050 | 0.023 | 2.26 | 1.45 | -3.53 | 1.22 | 3.27E-01 | MBNL1(dist=167205), P2RY11(dist=201962) | intergenic |
| 18 | 718799 | A | G | rs73943167 | 2.47E-01 | 0.029 | 0.040 | 0.71 | 0.44 | -1.14 | 5.32E-06 | 0.044 | 0.021 | 2.17 | 1.36 | -3.49 | 1.23 | 3.28E-01 | ENOSF1(dist=6137), YES1(dist=2793) | intergenic |
| 16 | 2883146 | T | C | rs58693641 | 8.53E-02 | 0.041 | 0.057 | 0.71 | 0.47 | -1.06 | 3.23E-06 | 0.063 | 0.033 | 2.00 | 1.35 | -2.97 | 1.21 | 3.29E-01 | ZG16B | downstream |
| 9 | 128959195 | G | A | rs143152284 | 6.59E-02 | 0.034 | 0.049 | 0.68 | 0.44 | -1.05 | 6.02E-05 | 0.077 | 0.046 | 1.74 | 1.22 | -2.5 | 1.21 | 3.30E-01 | PBX3(dist=229540), LOC101929116(dist=73208) | intergenic |
| 8 | 5224922 | C | A | rs75890034 | 1.42E-01 | 0.061 | 0.079 | 0.77 | 0.55 | -1.07 | 3.97E-05 | 0.097 | 0.054 | 1.90 | 1.37 | -2.62 | 1.14 | 3.30E-01 | CSMD1(dist=372594), LOC100287015(dist=1036155) | intergenic |
| 2 | 53415927 | G | T | rs34732784 | 1.94E-01 | 0.030 | 0.033 | 0.90 | 0.56 | -1.44 | 6.15E-05 | 0.057 | 0.039 | 1.50 | 1 | -2.26 | 1.23 | 3.30E-01 | MIR4431(dist=486174), ASB3(dist=481190) | intergenic |
| 19 | 6922504 | T | C | rs11671182 | 2.08E-02 | 0.246 | 0.206 | 1.26 | 1.04 | -1.52 | 5.71E-05 | 0.148 | 0.227 | 0.59 | 0.46 | -0.77 | 0.93 | 3.31E-01 | ADGRE1 | intronic |
| 5 | 180555737 | C | T | rs55977436 | 3.22E-01 | 0.077 | 0.089 | 0.85 | 0.63 | -1.16 | 2.56E-05 | 0.110 | 0.074 | 1.56 | 1.15 | -2.11 | 0.81 | 3.33E-01 | OR2V1(dist=3433), OR2V2(dist=26206) | intergenic |
| 19 | 6922815 | T | G | rs7249799 | 2.21E-02 | 0.253 | 0.213 | 1.25 | 1.04 | -1.51 | 5.64E-05 | 0.152 | 0.232 | 0.59 | 0.46 | -0.77 | 0.93 | 3.33E-01 | ADGRE1 | intronic |
| 18 | 726147 | C | T | rs12327478 | 2.64E-01 | 0.031 | 0.042 | 0.73 | 0.46 | -1.15 | 8.46E-06 | 0.045 | 0.021 | 2.15 | 1.35 | -3.43 | 1.21 | 3.34E-01 | YES1 | intronic |
| 8 | 2584991 | T | A | rs10770714 | 3.42E-01 | 0.106 | 0.100 | 1.07 | 0.82 | -1.4 | 4.69E-05 | 0.135 | 0.097 | 1.46 | 1.11 | -1.93 | 1.19 | 3.35E-01 | LOC101927815 | ncRNA_intronic |
| 3 | 72441566 | A | C | rs7629477 | 1.51E-01 | 0.040 | 0.055 | 0.72 | 0.48 | -1.09 | 3.48E-05 | 0.075 | 0.045 | 1.72 | 1.2 | -2.48 | 1.20 | 3.35E-01 | RYPB | intronic |
| 7 | 5618485 | C | A | rs112444852 | 3.40E-01 | 0.035 | 0.044 | 0.78 | 0.5 | -1.2 | 3.32E-06 | 0.051 | 0.029 | 1.82 | 1.18 | -2.81 | 0.78 | 3.38E-01 | ACTB(dist=48253), FSCN1(dist=13951) | intergenic |
| 1 | 203979304 | G | A | rs12093465 | 3.30E-01 | 0.110 | 0.102 | 1.08 | 0.83 | -1.4 | 5.29E-05 | 0.120 | 0.081 | 1.54 | 1.15 | -2.06 | 1.18 | 3.38E-01 | SNRPE(dist=139024), LINC00303(dist=22271) | intergenic |
| 18 | 725659 | C | T | rs142616950 | 2.59E-01 | 0.031 | 0.043 | 0.73 | 0.46 | -1.15 | 7.71E-06 | 0.045 | 0.021 | 2.15 | 1.35 | -3.44 | 1.21 | 3.40E-01 | YES1 | intronic |
| 14 | 49761147 | C | T | rs76506017 | 5.96E-02 | 0.037 | 0.054 | 0.68 | 0.45 | -1.03 | 6.23E-05 | 0.074 | 0.038 | 2.02 | 1.4 | -2.92 | 1.17 | 3.40E-01 | LINC00648(dist=1496930), RPS29(dist=282243) | intergenic |
| 13 | 43868542 | G | A | rs9316006 | 7.12E-02 | 0.045 | 0.063 | 1.44 | 0.98 | -2.11 | 3.57E-05 | 0.078 | 0.040 | 0.49 | 0.34 | -0.7 | 0.86 | 3.41E-01 | ENOX1 | intronic |
| 19 | 6923498 | T | C | rs35615093 | 2.12E-02 | 0.253 | 0.212 | 1.25 | 1.04 | -1.52 | 5.69E-05 | 0.153 | 0.232 | 0.60 | 0.46 | -0.77 | 0.93 | 3.42E-01 | ADGRE1 | intronic |
| 1 | 203979264 | A | C | rs12058431 | 3.34E-01 | 0.110 | 0.102 | 1.08 | 0.83 | -1.4 | 5.12E-05 | 0.120 | 0.081 | 1.54 | 1.15 | -2.07 | 1.18 | 3.42E-01 | SNRPE(dist=138984), LINC00303(dist=22311) | intergenic |
| 5 | 5170200 | A | G | rs140362509 | 3.34E-01 | 0.026 | 0.032 | 0.79 | 0.48 | -1.32 | 4.55E-05 | 0.046 | 0.027 | 1.74 | 1.1 | -2.75 | 0.73 | 3.44E-01 | ADAMTS16 | intronic |
| 8 | 139201256 | G | A | rs11985216 | 9.28E-02 | 0.153 | 0.182 | 0.81 | 0.65 | -1.02 | 2.94E-05 | 0.197 | 0.131 | 1.63 | 1.29 | -2.07 | 1.09 | 3.51E-01 | FAM135B | intronic |
| 8 | 139201200 | C | A | rs11992577 | 9.26E-02 | 0.153 | 0.182 | 0.81 | 0.65 | -1.02 | 2.94E-05 | 0.197 | 0.131 | 1.63 | 1.29 | -2.07 | 1.09 | 3.52E-01 | FAM135B | intronic |
| 2 | 56583416 | C | T | rs35118567;rs201510273;rs7565983 | 4.67E-02 | 0.387 | 0.355 | 0.87 | 0.74 | -1.03 | 4.68E-05 | 0.283 | 0.359 | 1.41 | 1.15 | -1.74 | 1.07 | 3.53E-01 | CCDC85A | intronic |
| 8 | 139201456 | G | A | rs34091786 | 9.40E-02 | 0.153 | 0.182 | 0.81 | 0.65 | -1.02 | 3.26E-05 | 0.197 | 0.131 | 1.63 | 1.28 | -2.06 | 1.09 | 3.55E-01 | FAM135B | intronic |
| 8 | 5225383 | G | A | rs114969167 | 1.03E-01 | 0.061 | 0.080 | 0.75 | 0.54 | -1.04 | 3.44E-05 | 0.097 | 0.054 | 1.90 | 1.37 | -2.62 | 1.13 | 3.57E-01 | CSMD1(dist=373055), LOC100287015(dist=1035694) | intergenic |
| 2 | 23117807 | T | G | rs76221152 | 3.59E-01 | 0.035 | 0.032 | 1.10 | 0.71 | -1.72 | 3.79E-06 | 0.041 | 0.025 | 1.67 | 1.03 | -2.71 | 1.36 | 3.61E-01 | LOC102723362(dist=356648), KLHL29(dist=490491) | intronic |
| 8 | 139199114 | C | T | rs77972768 | 9.48E-02 | 0.150 | 0.178 | 0.81 | 0.65 | -1.01 | 4.26E-05 | 0.197 | 0.132 | 1.62 | 1.27 | -2.05 | 1.09 | 3.62E-01 | FAM135B | intronic |
| 2 | 106890590 | C | T | rs181747231 | 3.64E-01 | 0.022 | 0.027 | 0.82 | 0.47 | -1.42 | 7.42E-07 | 0.035 | 0.021 | 1.71 | 1.02 | -2.88 | 0.73 | 3.66E-01 | UXS1(dist=79795), PLGLA(dist=107980) | intergenic |
| 17 | 76295961 | G | A | rs4789581 | 3.80E-01 | 0.034 | 0.027 | 0.80 | 0.5 | -1.26 | 1.29E-05 | 0.060 | 0.047 | 0.77 | 0.72 | -1.14 | 0.77 | 3.74E-01 | LOC100996291(dist=21388), SOCS3(dist=56897) | intergenic |
| 18 | 67882321 | C | T | rs140668218;rs188396929;rs370134073 | 3.72E-01 | 0.102 | 0.095 | 1.09 | 0.83 | -1.43 | 7.05E-06 | 0.039 | 0.024 | 1.66 | 1.01 | -2.72 | 1.15 | 3.75E-01 | RTTN(dist=9359), SOCS6(dist=73816) | intergenic |
| 2 | 238518759 | A | C | rs140855815 | 3.73E-01 | 0.076 | 0.071 | 1.08 | 0.79 | -1.46 | 3.39E-05 | 0.121 | 0.085 | 1.50 | 1.12 | -2 | 1.18 | 3.76E-01 | RAB17(dist=18990), LRRFP1(dist=17465) | intergenic |
| 5 | 146057135 | T | C | rs142740224 | 3.70E-01 | 0.026 | 0.022 | 1.18 | 0.7 | -1.98 | 7.51E-06 | 0.039 | 0.023 | 1.77 | 1.08 | -2.9 | 1.40 | 3.80E-01 | PPP2R2B | intronic |
| 17 | 76294376 | C | T | rs9709190 | 3.88E-01 | 0.035 | 0.028 | 0.79 | 0.51 | -1.25 | 9.82E-06 | 0.062 | 0.048 | 0.76 | 0.52 | -1.12 | 0.78 | 3.82E-01 | LOC100996291(dist=19803), SOCS3(dist=58482) | intergenic |
| 11 | 6338430 | T | C | rs115457693 | 3.86E-01 | 0.025 | 0.032 | 0.78 | 0.47 | -1.3 | 1.76E-05 | 0.056 | 0.033 | 1.75 | 1.16 | -2.66 | 0.78 | 3.85E-01 | CCKBR(dist=45073), PRKCDBP(dist=1746) | intergenic |
| 4 | 33303471 | C | T | rs149592865 | 3.85E-01 | 0.017 | 0.021 | 0.82 | 0.44 | -1.52 | 6.92E-07 | 0.038 | 0.022 | 1.74 | 1.06 | -2.86 | 0.70 | 3.85E-01 | LOC102723828(dist=1146443), LOC101928622(dist=594490) | intergenic |
| 20 | 8047943 | G | A | rs113362796 | 3.91E-01 | 0.035 | 0.032 | 1.08 | 0.69 | -1.69 | 5.29E-05 | 0.047 | 0.028 | 1.71 | 1.09 | -2.69 | 1.32 | 3.98E-01 | TMX4(dist=47467), PLCB1(dist=64969) | intergenic |
| 2 | 183623760 | A | G | rs16823660 | 2.04E-01 | 0.020 | 0.030 | 0.66 | 0.38 | -1.17 | 2.70E-05 | 0.042 | 0.023 | 1.88 | 1.17 | -3.04 | 1.22 | 3.98E-01 | DNAJC10 | intronic |
| 1 | 66947708 | G | T | rs138826140 | 5.23E-02 | 0.107 | 0.128 | 1.22 | 0.94 | -1.59 | 3.97E-05 | 0.166 | 0.123 | 0.70 | 0.54 | -0.9 | 0.90 | 3.99E-01 | PDE4B(dist=107446), SGIP1(dist=52117) | intergenic |
| 7 | 13779942 | T | C | rs73679179 | 4.04E-01 | 0.037 | 0.044 | 0.82 | 0.54 | -1.26 | 7.68E-06 | 0.049 | 0.027 | 1.87 | 1.2 | -2.93 | 0.80 | 4.02E-01 | ARL4A(dist=1049384), ETV11(dist=150914) | intergenic |
| 18 | 722539 | C | T | rs73943168 | 2.26E-01 | 0.032 | 0.044 | 0.71 | 0.45 | -1.12 | 8.91E-06 | 0.045 | 0.021 | 2.15 | 1.34 | -3.43 | 1.18 | 4.07E-01 | YES1(NM_005433;c.*1885A>G) | UTR3 |
| 2 | 193588413 | A | G | rs75617850 | 4.05E-01 | 0.020 | 0.021 | 0.96 | 0.53 | -1.72 | 5.22E-06 | 0.035 | 0.023 | 1.55 | 0.93 | -2.6 | 0.72 | 4.08E-01 | TMFF2(dist=528754), PCGEM1(dist=26158) | intergenic |
| 18 | 720208 | A | G | rs77691870 | 2.23E-01 | 0.031 | 0.044 | 0.71 | 0.45 | -1.12 | 5.46E-06 | 0.044 | 0.021 | 1.18 | 1.36 | -3.5 | 1.18 | 4.09E-01 | ENOSF1(dist=7546), YES1(dist=1384) | intergenic |
| 8 | 96325066 | G | A | rs77551618 | 1.91E-01 | 0.018 | 0.022 | 0.82 | 0.45 | -1.5 | 8.13E-06 | 0.035 | 0.022 | 1.61 | 0.96 | -2.7 | 1.28 | 4.10E-01 | C8orf37-AS1 | ncRNA_intronic |
| 18 | 720739 | A | G | rs78524119 | 2.20E-01 | 0.031 | 0.044 | 0.71 | 0.45 | -1.12 | 5.48E-06 | 0.044 | 0.021 | 2.18 | 1. | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 17 | 75240179 | G | C | rs80236960 | 4.60E-01 | 0.037 | 0.028 | 1.31 | 0.84 | -2.04 | 9.93E-06 | 0.065 | 0.046 | 1.45 | 0.99 | -2.14 | 1.26 | 4.54E-01 | SEC14L1(dist=26998), SEPT9(dist=37313) | intergenic |
| 19 | 56038294 | T | C | rs677818 | 4.53E-01 | 0.024 | 0.029 | 1.24 | 0.73 | -2.09 | 7.75E-06 | 0.046 | 0.029 | 0.62 | 0.39 | -0.98 | 1.23 | 4.55E-01 | SSC5D(dist=7828), SBK2(dist=2806) | intergenic |
| 19 | 56038286 | T | C | rs677832 | 4.54E-01 | 0.024 | 0.029 | 1.24 | 0.73 | -2.09 | 7.74E-06 | 0.046 | 0.029 | 0.62 | 0.39 | -0.98 | 1.23 | 4.55E-01 | SSC5D(dist=7820), SBK2(dist=2814) | intergenic |
| 13 | 43845004 | T | C | rs7332948 | 7.51E-02 | 0.072 | 0.094 | 1.34 | 0.98 | -1.82 | 5.79E-05 | 0.097 | 0.057 | 0.56 | 0.4 | -0.77 | 0.90 | 4.55E-01 | ENOX1 | intronic |
| 19 | 56038029 | A | G | rs678865 | 4.57E-01 | 0.024 | 0.029 | 1.24 | 0.73 | -2.09 | 7.74E-06 | 0.046 | 0.029 | 0.62 | 0.39 | -0.98 | 1.23 | 4.58E-01 | SSC5D(dist=7563), SBK2(dist=3071) | intergenic |
| 18 | 69317237 | G | A | rs62102008 | 4.58E-01 | 0.048 | 0.051 | 0.94 | 0.64 | -1.37 | 3.48E-05 | 0.080 | 0.055 | 1.49 | 1.05 | -2.11 | 0.87 | 4.61E-01 | LINC01541(dist=71045), LOC102724913(dist=82615) | intergenic |
| 4 | 163243116 | C | T | rs72977259 | 4.69E-01 | 0.029 | 0.026 | 1.10 | 0.67 | -1.8 | 1.76E-06 | 0.052 | 0.028 | 1.86 | 1.2 | -2.87 | 1.28 | 4.69E-01 | FTL5(dist=157930), MIR4454(dist=771610) | intergenic |
| 15 | 80950369 | A | G | rs28394202 | 2.31E-02 | 0.060 | 0.086 | 0.68 | 0.48 | -0.94 | 3.37E-05 | 0.114 | 0.069 | 1.74 | 1.29 | -2.35 | 1.10 | 4.70E-01 | ARN2T2(dist=60092), ABHD17C(dist=37283) | intergenic |
| 9 | 39136470 | G | C | rs7046086 | 4.68E-01 | 0.382 | 0.400 | 0.93 | 0.78 | -1.09 | 2.80E-05 | 0.373 | 0.315 | 1.29 | 1.06 | -1.56 | 0.92 | 4.72E-01 | CNTNAP3 | intronic |
| 11 | 6327854 | C | T | rs7945948 | 4.74E-01 | 0.037 | 0.045 | 0.83 | 0.54 | -1.27 | 1.16E-05 | 0.076 | 0.048 | 1.63 | 1.14 | -2.34 | 0.84 | 4.73E-01 | CCKBR(dist=34497), PRKCDBP(dist=12322) | intergenic |
| 9 | 39120434 | G | A | rs12001874 | 4.69E-01 | 0.381 | 0.399 | 0.93 | 0.79 | -1.1 | 1.72E-05 | 0.376 | 0.318 | 1.29 | 1.07 | -1.57 | 0.92 | 4.74E-01 | CNTNAP3 | intronic |
| 10 | 1568514 | C | T | rs115577771 | 4.71E-01 | 0.056 | 0.052 | 1.09 | 0.76 | -1.55 | 2.19E-05 | 0.050 | 0.033 | 1.56 | 1 | -2.41 | 1.18 | 4.82E-01 | ADARB2 | intronic |
| 14 | 107189063 | T | A | rs112281955 | 4.74E-01 | 0.028 | 0.021 | 1.39 | 0.84 | -2.31 | 3.98E-10 | 0.056 | 0.036 | 1.59 | 1.05 | -2.4 | 1.26 | 4.84E-01 | MIR7641-2(dist=96298), MIR5195(dist=70037) | intergenic |
| 6 | 26746273 | G | A | rs2504591 | 4.63E-01 | 0.039 | 0.035 | 1.10 | 0.72 | -1.68 | 2.71E-05 | 0.059 | 0.037 | 1.64 | 1.09 | -2.46 | 1.25 | 4.85E-01 | ZNF322(dist=86293), GUSBP2(dist=92993) | intergenic |
| 4 | 7122510 | G | T | rs73077726 | 4.89E-01 | 0.036 | 0.033 | 1.09 | 0.71 | -1.7 | 5.88E-05 | 0.047 | 0.031 | 1.56 | 0.99 | -2.44 | 1.25 | 4.89E-01 | FLJ36777(dist=17407), SORCS2(dist=71864) | intergenic |
| 7 | 1643041 | C | T | rs11768560 | 4.97E-01 | 0.036 | 0.034 | 1.07 | 0.69 | -1.67 | 6.06E-05 | 0.056 | 0.042 | 1.36 | 0.9 | -2.05 | 1.23 | 4.95E-01 | PSMG3-AS1(dist=13780), TTFAMP1(dist=11065) | intergenic |
| 17 | 630692 | G | A | rs117104857 | 5.04E-01 | 0.033 | 0.029 | 1.13 | 0.71 | -1.79 | 1.45E-05 | 0.040 | 0.026 | 1.57 | 0.97 | -2.54 | 1.24 | 4.98E-01 | VPS53(dist=12596), FAM57A(dist=5155) | intergenic |
| 21 | 40902489 | C | A | rs76605103 | 7.10E-03 | 0.138 | 0.180 | 0.73 | 0.58 | -0.92 | 4.04E-05 | 0.239 | 0.171 | 1.52 | 1.22 | -1.9 | 1.06 | 5.00E-01 | SH3BGR(dist=15056), B3GALT5-AS1(dist=66586) | intergenic |
| 12 | 8926584 | C | T | rs73247491 | 5.04E-01 | 0.028 | 0.026 | 1.11 | 0.67 | -1.82 | 1.08E-05 | 0.037 | 0.021 | 1.74 | 1.05 | -2.91 | 1.26 | 5.02E-01 | RIMKLB(NM_001297776:c.*204C>T, NM_020734:c.*204C>T) | UTR3 |
| 17 | 44853141 | G | A | rs140394071 | 5.10E-01 | 0.025 | 0.031 | 0.82 | 0.49 | -1.36 | 6.47E-05 | 0.040 | 0.023 | 1.80 | 1.1 | -2.94 | 0.82 | 5.05E-01 | WNT3 | intronic |
| 16 | 5410923 | G | A | rs62017693 | 5.00E-01 | 0.035 | 0.029 | 1.22 | 0.78 | -1.92 | 1.46E-05 | 0.051 | 0.032 | 1.61 | 1.04 | -2.48 | 1.23 | 5.06E-01 | EEF2KMT(dist=263102), LINC01570(dist=240247) | intergenic |
| 9 | 93176973 | C | T | rs188710561 | 5.02E-01 | 0.035 | 0.040 | 0.87 | 0.56 | -1.35 | 3.83E-06 | 0.057 | 0.031 | 1.87 | 1.23 | -2.82 | 0.82 | 5.06E-01 | LINC01508 | ncRNA_intronic |
| 17 | 44363602 | C | T | rs8081198 | 5.16E-01 | 0.049 | 0.048 | 1.02 | 0.7 | -1.49 | 1.30E-08 | 0.057 | 0.038 | 1.54 | 1.02 | -2.32 | 1.21 | 5.10E-01 | KANSL1(dist=60862), LRRC37A(dist=8895) | intergenic |
| 4 | 156861989 | C | T | rs182907811 | 1.25E-01 | 0.026 | 0.037 | 0.70 | 0.43 | -1.14 | 4.66E-05 | 0.052 | 0.032 | 1.66 | 1.08 | -2.56 | 1.17 | 5.14E-01 | CTSO | intronic |
| 10 | 7719325 | C | T | rs111627827 | 5.13E-01 | 0.057 | 0.064 | 0.89 | 0.63 | -1.26 | 5.40E-05 | 0.066 | 0.044 | 1.55 | 1.06 | -2.27 | 0.87 | 5.23E-01 | ITIH5(dist=10364), ITIH2(dist=25911) | intergenic |
| 9 | 137926960 | G | A | rs116028950 | 5.21E-01 | 0.033 | 0.030 | 1.11 | 0.7 | -1.76 | 1.65E-09 | 0.040 | 0.021 | 1.94 | 1.19 | -3.16 | 1.21 | 5.26E-01 | FCN1(dist=117154), OLFM1(dist=40129) | intergenic |
| 2 | 12667829 | C | T | rs62123094 | 5.25E-01 | 0.025 | 0.029 | 0.86 | 0.51 | -1.43 | 3.64E-05 | 0.044 | 0.027 | 1.67 | 1.05 | -2.65 | 0.81 | 5.27E-01 | LOC100506457 | ncRNA_intronic |
| 4 | 7578257 | A | C | rs114326216 | 5.28E-01 | 0.022 | 0.027 | 0.81 | 0.47 | -1.39 | 2.90E-05 | 0.038 | 0.023 | 1.70 | 1.03 | -2.81 | 0.84 | 5.28E-01 | SORCS2 | intronic |
| 20 | 7073431 | C | T | rs59739538 | 5.29E-01 | 0.036 | 0.042 | 0.85 | 0.56 | -1.31 | 1.49E-08 | 0.042 | 0.023 | 1.85 | 1.15 | -2.98 | 0.86 | 5.35E-01 | BMP2(dist=312521), LINC01428(dist=53683) | intergenic |
| 8 | 17562084 | A | G | rs7461619 | 5.45E-01 | 0.036 | 0.033 | 0.90 | 0.58 | -1.39 | 1.40E-06 | 0.042 | 0.023 | 0.54 | 0.33 | -0.87 | 0.86 | 5.39E-01 | MTUS1 | intronic |
| 16 | 9206594 | C | G | rs76304817 | 5.40E-01 | 0.034 | 0.032 | 1.06 | 0.67 | -1.66 | 5.99E-09 | 0.041 | 0.025 | 1.70 | 1.05 | -2.76 | 1.23 | 5.45E-01 | C16orf72 | intronic |
| 1 | 8359110 | T | C | rs545419977;rs116305284 | 5.39E-01 | 0.052 | 0.044 | 1.21 | 0.84 | -1.76 | 5.69E-05 | 0.101 | 0.083 | 1.25 | 0.92 | -1.71 | 1.15 | 5.46E-01 | LOC102724539(dist=83842), SLC45A1(dist=19035) | intergenic |
| 19 | 53851268 | T | C | rs8103209 | 5.45E-01 | 0.188 | 0.179 | 0.94 | 0.77 | -1.16 | 1.66E-05 | 0.203 | 0.164 | 0.77 | 0.61 | -0.97 | 0.93 | 5.47E-01 | ZNF845 | intronic |
| 15 | 91706054 | G | T | rs144673277 | 5.51E-01 | 0.021 | 0.025 | 0.81 | 0.46 | -1.43 | 6.02E-05 | 0.035 | 0.021 | 1.71 | 1.02 | -2.86 | 0.81 | 5.52E-01 | SV2B | intronic |
| 16 | 81188025 | G | C | rs79898431 | 5.52E-01 | 0.019 | 0.021 | 0.89 | 0.49 | -1.61 | 2.10E-05 | 0.043 | 0.031 | 1.44 | 0.91 | -2.3 | 0.81 | 5.57E-01 | PKD1L2 | intronic |
| 2 | 147052071 | T | C | rs143943945 | 5.57E-01 | 0.018 | 0.021 | 0.86 | 0.47 | -1.57 | 6.08E-09 | 0.043 | 0.021 | 2.09 | 1.3 | -3.36 | 0.82 | 5.59E-01 | TEX41(dist=1217780), PABPC1P2(dist=292554) | intergenic |
| 2 | 147053548 | T | C | rs148945983 | 5.57E-01 | 0.018 | 0.021 | 0.86 | 0.47 | -1.58 | 1.00E-08 | 0.043 | 0.021 | 2.06 | 1.28 | -3.32 | 0.82 | 5.59E-01 | TEX41(dist=1219257), PABPC1P2(dist=291077) | intergenic |
| 7 | 105289487 | C | T | rs502600 | 5.61E-01 | 0.025 | 0.028 | 0.90 | 0.54 | -1.51 | 5.06E-06 | 0.044 | 0.030 | 1.51 | 0.95 | -2.4 | 0.85 | 5.59E-01 | ATXN7L1 | intronic |
| 2 | 147053246 | T | G | rs149778684 | 5.59E-01 | 0.018 | 0.021 | 0.86 | 0.47 | -1.58 | 5.92E-09 | 0.043 | 0.021 | 2.09 | 1.3 | -3.36 | 0.82 | 5.61E-01 | TEX41(dist=1218955), PABPC1P2(dist=291379) | intergenic |
| 21 | 42542467 | C | T | rs73902938 | 5.57E-01 | 0.045 | 0.051 | 0.88 | 0.59 | -1.29 | 8.20E-08 | 0.049 | 0.030 | 1.64 | 1.05 | -2.55 | 0.87 | 5.66E-01 | BACE2 | intronic |
| 8 | 28613037 | G | A | rs59815642 | 5.72E-01 | 0.045 | 0.037 | 1.24 | 0.83 | -1.85 | 5.49E-05 | 0.076 | 0.055 | 1.42 | 0.99 | -2.03 | 1.14 | 5.66E-01 | EXTL3(dist=1830), INTS9(dist=12138) | intergenic |
| 2 | 147059706 | C | T | rs144225631 | 5.65E-01 | 0.018 | 0.021 | 0.86 | 0.47 | -1.58 | 5.64E-09 | 0.043 | 0.021 | 2.09 | 1.3 | -3.37 | 0.82 | 5.67E-01 | TEX41(dist=1225415), PABPC1P2(dist=284919) | intergenic |
| 8 | 17561601 | A | G | rs386723030;rs7386612 | 5.74E-01 | 0.036 | 0.033 | 0.90 | 0.58 | -1.4 | 1.42E-06 | 0.042 | 0.023 | 0.54 | 0.33 | -0.87 | 0.87 | 5.69E-01 | MTUS1 | intronic |
| 15 | 84918140 | G | T | rs2401449 | 5.75E-01 | 0.044 | 0.042 | 1.06 | 0.71 | -1.58 | 4.81E-05 | 0.038 | 0.023 | 1.72 | 1.04 | -2.83 | 1.18 | 5.75E-01 | GOLGA6L4(dist=4020), LOC103171574(dist=59077) | intergenic |
| 17 | 747637 | C | T | rs139652938 | 5.84E-01 | 0.026 | 0.028 | 0.93 | 0.56 | -1.54 | 4.55E-06 | 0.040 | 0.027 | 1.47 | 0.91 | -2.39 | 0.85 | 5.79E-01 | NXN | intronic |
| 2 | 231533007 | G | A | rs78099529 | 5.77E-01 | 0.067 | 0.067 | 1.01 | 0.73 | -1.4 | 1.93E-05 | 0.079 | 0.054 | 1.50 | 1.06 | -2.13 | 1.14 | 5.80E-01 | SP100(dist=122690), LOC151475(dist=22629) | intergenic |
| 10 | 134641975 | C | T | rs61860850 | 5.72E-01 | 0.022 | 0.021 | 1.06 | 0.61 | -1.85 | 8.77E-07 | 0.046 | 0.032 | 1.46 | 0.93 | -2.3 | 0.80 | 5.80E-01 | CFAP46 | intronic |
| 11 | 6328084 | G | A | rs7945360 | 5.83E-01 | 0.031 | 0.036 | 0.84 | 0.53 | -1.34 | 2.26E-06 | 0.065 | 0.039 | 1.71 | 1.16 | -2.52 | 0.87 | 5.82E-01 | CCKBR(dist=34727), PRKCDBP(dist=12092) | intergenic |
| 11 | 61060654 | G | A | rs111341988 | 5.83E-01 | 0.025 | 0.026 | 0.99 | 0.59 | -1.66 | 9.23E-06 | 0.048 | 0.036 | 1.36 | 0.88 | -2.12 | 0.83 | 5.82E-01 | VWCE | intronic |
| 3 | 133729441 | C | T | rs113732791 | 5.82E-01 | 0.045 | 0.043 | 1.04 | 0.7 | -1.55 | 7.33E-06 | 0.049 | 0.027 | 1.88 | 1.21 | -2.94 | 1.16 | 5.83E-01 | SLCO2A1 | intronic |
| 13 | 41037309 | A | G | rs150864528 | 7.73E-02 | 0.020 | 0.031 | 0.63 | 0.36 | -1.12 | 2.35E-05 | 0.041 | 0.021 | 1.94 | 1.19 | -3.16 | 1.15 | 5.92E-01 | LINC00598 | ncRNA_intronic |
| 14 | 100376715 | G | A | rs2145859 | 5.84E-01 | 0.035 | 0.028 | 1.26 | 0.81 | -1.98 | 3.71E-06 | 0.062 | 0.044 | 1.42 | 0.96 | -2.11 | 1.20 | 5.92E-01 | EML1 | intronic |
| 17 | 1863245 | C | T | rs76513460 | 5.98E-01 | 0.031 | 0.035 | 0.89 | 0.56 | -1.41 | 5.65E-05 | 0.034 | 0.022 | 1.57 | 0.92 | -2.66 | 0.87 | 5.93E-01 | RTN4RL1 | intronic |
| 19 | 53851654 | A | G | rs8102760 | 5.93E-01 | 0.231 | 0.243 | 1.07 | 0.88 | -1.3 | 1.45E-05 | 0.264 | 0.216 | 0.77 | 0.62 | -0.95 | 1.06 | 5.94E-01 | ZNF845 | intronic |
| 13 | 106426257 | C | A | rs75773204 | 5.95E-01 | 0.040 | 0.039 | 1.04 | 0.68 | -1.57 | 1.48E-05 | 0.055 | 0.033 | 1.69 | 1.11 | -2.58 | 1.17 | 5.98E-01 | LINC00343(dist=12112), LINC00460(dist=602654) | intergenic |
| 6 | 169956256 | C | G | rs76548577 | 5.82E-01 | 0.022 | 0.023 | 0.94 | 0.54 | -1.63 | 2.84E-05 | 0.041 | 0.027 | 1.54 | 0.96 | -2.48 | 0.81 | 6.00E-01 | WDR27 | intronic |
| 9 | 128909853 | G | A | rs114516315 | 7.94E-03 | 0.016 | 0.033 | 0.46 | 0.25 | -0.86 | 2.53E-05 | 0.041 | 0.0 | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|------------|
| 11 | 1730555 | C | T | rs183120274 | 6.42E-01 | 0.064 | 0.061 | 1.05 | 0.75 | -1.46 | 2.89E-06 | 0.097 | 0.072 | 1.39 | 1.01 | -1.91 | 1.12 | 6.42E-01 | KRTAP5-6(dist=11570), IFITM10(dist=23085) | intergenic |
| 14 | 101644410 | G | T | rs8006859 | 6.35E-01 | 0.040 | 0.035 | 0.87 | 0.57 | -1.33 | 2.40E-05 | 0.078 | 0.057 | 0.71 | 0.5 | -1.01 | 0.89 | 6.42E-01 | MEG9(dist=105137), LINC00524(dist=227914) | intergenic |
| 17 | 75243343 | G | C | rs117939713 | 6.47E-01 | 0.037 | 0.030 | 1.23 | 0.79 | -1.91 | 6.53E-06 | 0.064 | 0.045 | 1.44 | 0.98 | -2.12 | 1.15 | 6.43E-01 | SEC14L1(dist=30162), SEPT9(dist=34149) | intergenic |
| 17 | 66058258 | T | A | rs113678852 | 6.48E-01 | 0.039 | 0.039 | 1.01 | 0.66 | -1.54 | 1.02E-06 | 0.054 | 0.030 | 1.85 | 1.21 | -2.83 | 1.14 | 6.43E-01 | KPNA2(dist=15288), LINC00674(dist=39438) | intergenic |
| 17 | 627630 | C | T | rs143082925 | 6.48E-01 | 0.035 | 0.032 | 1.08 | 0.69 | -1.69 | 9.66E-06 | 0.047 | 0.030 | 1.58 | 1.01 | -2.48 | 1.15 | 6.44E-01 | VP553(dist=9534), FAM57A(dist=8217) | intergenic |
| 14 | 101644405 | G | A | rs8006855 | 6.37E-01 | 0.040 | 0.035 | 0.87 | 0.57 | -1.33 | 2.49E-05 | 0.078 | 0.057 | 0.71 | 0.5 | -1.01 | 0.89 | 6.44E-01 | MEG9(dist=105132), LINC00524(dist=227919) | intergenic |
| 8 | 140825816 | G | A | rs112705315 | 6.52E-01 | 0.026 | 0.024 | 1.08 | 0.64 | -1.81 | 1.45E-05 | 0.036 | 0.020 | 1.82 | 1.09 | -3.05 | 1.19 | 6.47E-01 | TRAPP9 | intronic |
| 6 | 4614001 | T | C | rs77719159 | 6.32E-01 | 0.044 | 0.041 | 1.02 | 0.68 | -1.53 | 4.21E-05 | 0.042 | 0.026 | 1.64 | 1.02 | -2.64 | 1.14 | 6.48E-01 | KU-MEL-3(dist=1848), NONE(dist=NONE) | intergenic |
| 7 | 105114221 | G | C | rs10235921 | 6.53E-01 | 0.055 | 0.054 | 1.02 | 0.71 | -1.46 | 2.00E-05 | 0.070 | 0.041 | 1.74 | 1.19 | -2.53 | 1.12 | 6.51E-01 | PUS7 | intronic |
| 8 | 138650172 | C | T | rs75467209 | 6.63E-01 | 0.031 | 0.034 | 0.92 | 0.58 | -1.47 | 5.47E-05 | 0.054 | 0.034 | 1.61 | 1.06 | -2.45 | 0.88 | 6.59E-01 | LOC101927915(dist=224341), FAM135B(dist=492094) | intergenic |
| 2 | 239883189 | G | T | rs115130806 | 6.59E-01 | 0.025 | 0.028 | 0.89 | 0.53 | -1.5 | 4.62E-05 | 0.035 | 0.022 | 1.61 | 0.96 | -2.71 | 0.86 | 6.61E-01 | FLJ43879(dist=35224), HDAC4(dist=86675) | intergenic |
| 18 | 5361772 | C | G | rs112007341 | 6.62E-01 | 0.048 | 0.048 | 0.99 | 0.67 | -1.45 | 4.84E-05 | 0.067 | 0.044 | 1.57 | 1.08 | -2.3 | 1.12 | 6.64E-01 | ZBTB14(dist=64720), EPB41L3(dist=30608) | intergenic |
| 17 | 31526331 | C | T | rs17836713 | 6.71E-01 | 0.056 | 0.060 | 0.93 | 0.65 | -1.32 | 5.61E-05 | 0.085 | 0.058 | 1.53 | 1.09 | -2.15 | 0.92 | 6.67E-01 | ASIC2 | intronic |
| 16 | 83965086 | G | T | rs144213123 | 6.68E-01 | 0.030 | 0.029 | 1.06 | 0.65 | -1.7 | 5.68E-08 | 0.039 | 0.021 | 1.92 | 1.17 | -3.15 | 1.13 | 6.72E-01 | MLYCD(dist=15299), OSGIN1(dist=21741) | intergenic |
| 4 | 73394306 | G | C | rs77849408 | 6.76E-01 | 0.023 | 0.023 | 0.99 | 0.58 | -1.7 | 1.05E-07 | 0.055 | 0.033 | 1.70 | 1.12 | -2.58 | 0.85 | 6.75E-01 | ADAMT3 | intronic |
| 17 | 76297272 | T | C | rs4789026 | 6.62E-01 | 0.037 | 0.033 | 0.89 | 0.57 | -1.37 | 1.97E-05 | 0.064 | 0.051 | 0.78 | 0.53 | -1.14 | 0.89 | 6.78E-01 | LOC100996291(dist=22699), SOCS3(dist=55586) | intergenic |
| 4 | 189132522 | T | C | rs28814977,rs386683773 | 6.79E-01 | 0.026 | 0.023 | 1.14 | 0.68 | -1.91 | 4.80E-06 | 0.045 | 0.032 | 1.42 | 0.9 | -2.24 | 1.18 | 6.78E-01 | TRIML1(dist=63873), LINC01060(dist=244210) | intergenic |
| 3 | 80875886 | G | T | rs13091490 | 6.82E-01 | 0.199 | 0.197 | 0.99 | 0.8 | -1.21 | 5.03E-05 | 0.234 | 0.178 | 0.71 | 0.57 | -0.89 | 0.94 | 6.82E-01 | ROBO1(dist=1058827), GBE1(dist=662964) | intergenic |
| 16 | 85478512 | G | A | rs115349350 | 6.85E-01 | 0.045 | 0.052 | 0.86 | 0.58 | -1.26 | 3.68E-05 | 0.055 | 0.033 | 1.72 | 1.13 | -2.62 | 0.91 | 6.89E-01 | MIR5093(dist=138581), GSE1(dist=166517) | intergenic |
| 10 | 114053870 | C | T | rs41298239 | 6.84E-01 | 0.031 | 0.031 | 1.01 | 0.63 | -1.61 | 1.51E-05 | 0.044 | 0.028 | 1.61 | 1.01 | -2.56 | 0.88 | 6.91E-01 | TECTB | intronic |
| 17 | 8315834 | C | T | rs143261676 | 6.96E-01 | 0.026 | 0.023 | 1.11 | 0.66 | -1.87 | 2.60E-09 | 0.043 | 0.024 | 1.84 | 1.15 | -2.96 | 1.16 | 6.92E-01 | RNF222(dist=14690), NDEL1(dist=23336) | intergenic |
| 10 | 24772750 | G | T | rs76167824 | 6.92E-01 | 0.040 | 0.045 | 0.90 | 0.6 | -1.36 | 8.15E-07 | 0.046 | 0.025 | 1.88 | 1.19 | -2.97 | 0.90 | 6.99E-01 | KIAA1217 | intronic |
| 3 | 143732138 | T | C | rs78299534 | 7.01E-01 | 0.022 | 0.024 | 0.89 | 0.51 | -1.55 | 1.26E-05 | 0.034 | 0.021 | 1.61 | 0.95 | -2.73 | 0.88 | 7.02E-01 | C3orf58(dist=20928), NONE(dist=NONE) | intergenic |
| 7 | 87663216 | G | C | rs114657673 | 7.04E-01 | 0.019 | 0.021 | 0.91 | 0.51 | -1.65 | 4.47E-06 | 0.032 | 0.020 | 1.58 | 0.92 | -2.72 | 0.86 | 7.02E-01 | ADAM22 | intronic |
| 7 | 87662138 | T | A | rs137964304 | 7.05E-01 | 0.019 | 0.021 | 0.91 | 0.51 | -1.65 | 4.35E-06 | 0.032 | 0.020 | 1.58 | 0.92 | -2.72 | 0.86 | 7.03E-01 | ADAM22 | intronic |
| 18 | 2430942 | T | G | rs76205126 | 7.02E-01 | 0.028 | 0.033 | 0.86 | 0.53 | -1.4 | 1.16E-05 | 0.036 | 0.020 | 1.82 | 1.09 | -3.05 | 0.91 | 7.04E-01 | LINC00470(dist=1071312), METTL4(dist=106582) | intergenic |
| 17 | 76314189 | A | G | rs4429354 | 7.08E-01 | 0.028 | 0.025 | 0.90 | 0.55 | -1.47 | 8.60E-07 | 0.063 | 0.047 | 0.73 | 0.5 | -1.08 | 0.89 | 7.04E-01 | LOC100996291(dist=39616), SOCS3(dist=38669) | intergenic |
| 17 | 66075599 | G | A | rs113252779 | 7.09E-01 | 0.037 | 0.037 | 1.00 | 0.65 | -1.54 | 3.50E-07 | 0.053 | 0.029 | 1.91 | 1.24 | -2.93 | 1.12 | 7.05E-01 | KPNA2(dist=32629), LINC00674(dist=22097) | intergenic |
| 20 | 1878743 | C | T | rs114914040 | 7.08E-01 | 0.027 | 0.031 | 0.86 | 0.52 | -1.42 | 3.06E-05 | 0.046 | 0.026 | 1.77 | 1.12 | -2.81 | 0.90 | 7.12E-01 | SIRPA | intronic |
| 5 | 75047895 | C | T | rs11750165 | 7.10E-01 | 0.041 | 0.034 | 1.23 | 0.81 | -1.87 | 2.22E-05 | 0.055 | 0.043 | 1.30 | 0.86 | -1.96 | 1.13 | 7.15E-01 | POC5(dist=34582), SV2C(dist=331344) | intergenic |
| 16 | 2881930 | A | G | rs35533993 | 4.26E-02 | 0.041 | 0.063 | 0.64 | 0.43 | -0.95 | 3.18E-06 | 0.064 | 0.033 | 2.01 | 1.35 | -2.98 | 1.06 | 7.17E-01 | ZG16B | exonic |
| 9 | 118986381 | T | G | rs73654678 | 3.17E-05 | 0.037 | 0.023 | 1.65 | 1.05 | -2.61 | 7.13E-01 | 0.030 | 0.031 | 0.98 | 0.56 | -1.69 | 0.89 | 7.18E-01 | PAPPA | intronic |
| 8 | 516356 | G | T | rs73670324 | 7.24E-01 | 0.055 | 0.060 | 0.91 | 0.64 | -1.3 | 2.64E-05 | 0.066 | 0.041 | 1.66 | 1.13 | -2.43 | 0.92 | 7.20E-01 | TDRP(dist=20575), ERICH1(dist=48381) | intergenic |
| 19 | 53850390 | T | C | rs7260245 | 7.20E-01 | 0.180 | 0.175 | 0.97 | 0.78 | -1.2 | 3.75E-05 | 0.204 | 0.166 | 0.77 | 0.61 | -0.98 | 0.96 | 7.21E-01 | ZNF845 | intronic |
| 18 | 5362279 | G | T | rs147190871 | 7.22E-01 | 0.048 | 0.050 | 0.97 | 0.67 | -1.42 | 5.68E-05 | 0.068 | 0.044 | 1.57 | 1.07 | -2.29 | 1.10 | 7.24E-01 | ZBTB14(dist=65227), EPB41L3(dist=30101) | intergenic |
| 9 | 83512865 | G | A | rs7025618 | 7.21E-01 | 0.032 | 0.031 | 1.04 | 0.65 | -1.64 | 2.92E-05 | 0.047 | 0.028 | 1.69 | 1.08 | -2.66 | 1.13 | 7.24E-01 | LINC01507(dist=863395), TLE1(dist=685733) | intergenic |
| 9 | 137940961 | C | A | rs73664018 | 5.43E-02 | 0.049 | 0.071 | 0.66 | 0.46 | -0.96 | 9.29E-06 | 0.074 | 0.041 | 1.86 | 1.29 | -2.69 | 1.06 | 7.25E-01 | FCN1(dist=131155), OLFM1(dist=26128) | intergenic |
| 12 | 12130416 | C | T | rs78554624 | 7.27E-01 | 0.043 | 0.042 | 1.02 | 0.68 | -1.52 | 2.61E-08 | 0.046 | 0.022 | 2.09 | 1.31 | -3.32 | 1.09 | 7.26E-01 | RNU6-19P(dist=51309), BCL2L14(dist=93462) | intergenic |
| 17 | 8301774 | A | T | rs73237243 | 7.32E-01 | 0.035 | 0.033 | 1.06 | 0.68 | -1.66 | 6.03E-05 | 0.049 | 0.028 | 1.81 | 1.16 | -2.82 | 1.10 | 7.28E-01 | RNF222 | intergenic |
| 19 | 55009217 | C | T | rs150717487 | 7.36E-01 | 0.034 | 0.037 | 0.91 | 0.58 | -1.43 | 4.65E-07 | 0.042 | 0.023 | 1.85 | 1.14 | -2.99 | 0.91 | 7.37E-01 | CDC42EP5(dist=24780), LAIR2(dist=4796) | intergenic |
| 7 | 2387932 | G | A | rs115875957 | 7.44E-01 | 0.028 | 0.031 | 0.90 | 0.55 | -1.47 | 4.42E-05 | 0.033 | 0.021 | 1.59 | 0.93 | -2.71 | 0.90 | 7.43E-01 | SNX8(dist=33822), EIF3B(dist=6542) | intergenic |
| 16 | 85478116 | G | C | rs78236852 | 7.41E-01 | 0.037 | 0.038 | 0.97 | 0.63 | -1.49 | 9.67E-08 | 0.044 | 0.024 | 1.87 | 1.17 | -2.99 | 1.09 | 7.44E-01 | MIR5093(dist=138185), GSE1(dist=166913) | intergenic |
| 2 | 16976418 | C | T | rs183916901 | 7.45E-01 | 0.029 | 0.031 | 0.92 | 0.57 | -1.49 | 1.26E-06 | 0.051 | 0.029 | 1.82 | 1.18 | -2.82 | 0.90 | 7.46E-01 | FAM49A(dist=129284), RAD51AP2(dist=715568) | intergenic |
| 19 | 53849920 | C | T | rs4803093 | 7.48E-01 | 0.227 | 0.235 | 1.04 | 0.86 | -1.27 | 9.53E-06 | 0.265 | 0.218 | 0.77 | 0.62 | -0.96 | 1.04 | 7.49E-01 | ZNF845 | intronic |
| 16 | 86125423 | G | T | rs4074240 | 7.54E-01 | 0.093 | 0.087 | 1.08 | 0.82 | -1.43 | 1.45E-05 | 0.125 | 0.091 | 1.43 | 1.08 | -1.91 | 1.06 | 7.56E-01 | IRF8(dist=169212), LINC01082(dist=104364) | intergenic |
| 17 | 44328224 | C | T | rs149491700 | 7.60E-01 | 0.044 | 0.050 | 0.89 | 0.6 | -1.31 | 5.77E-07 | 0.051 | 0.032 | 1.63 | 1.06 | -2.51 | 0.93 | 7.57E-01 | KANSL1(dist=25484), LRRCC37A(dist=44273) | intergenic |
| 9 | 71839525 | A | G | rs7866592 | 7.58E-01 | 0.073 | 0.068 | 1.07 | 0.78 | -1.47 | 1.97E-05 | 0.106 | 0.076 | 1.43 | 1.05 | -1.95 | 1.07 | 7.60E-01 | TJP2 | intronic |
| 11 | 17298277 | A | G | rs4757506 | 7.66E-01 | 0.160 | 0.162 | 0.99 | 0.79 | -1.24 | 4.14E-05 | 0.195 | 0.155 | 1.32 | 1.04 | -1.67 | 0.96 | 7.66E-01 | NUCB2 | upstream |
| 19 | 13770369 | C | T | rs144707155 | 7.73E-01 | 0.039 | 0.040 | 0.98 | 0.65 | -1.49 | 5.19E-05 | 0.049 | 0.029 | 1.70 | 1.09 | -2.65 | 1.08 | 7.74E-01 | CACNA1A(dist=153095), CCDC130(dist=88384) | intergenic |
| 8 | 11857206 | T | C | rs6996029 | 7.83E-01 | 0.071 | 0.077 | 0.92 | 0.67 | -1.26 | 2.50E-06 | 0.107 | 0.072 | 1.53 | 1.12 | -2.08 | 0.94 | 7.80E-01 | DEFB134 | intronic |
| 4 | 7189273 | G | A | rs7654148 | 7.81E-01 | 0.027 | 0.029 | 0.93 | 0.57 | -1.54 | 7.06E-06 | 0.034 | 0.020 | 1.68 | 0.99 | -2.86 | 0.91 | 7.81E-01 | FLJ36777(dist=84170), SORCS2(dist=5101) | intergenic |
| 7 | 87667080 | A | G | rs139928983 | 7.87E-01 | 0.027 | 0.028 | 0.94 | 0.57 | -1.56 | 6.48E-06 | 0.043 | 0.025 | 1.73 | 1.08 | -2.78 | 0.91 | 7.86E-01 | ADAM22 | intronic |
| 17 | 79387492 | C | G | rs6565566 | 7.89E-01 | 0.047 | 0.050 | 1.07 | 0.73 | -1.57 | 2.45E-06 | 0.065 | 0.042 | 0.64 | 0.43 | -0.94 | 1.07 | 7.86E-01 | BAHCC1 | intronic |
| 2 | 234698348 | A | G | rs73999046 | 9.33E-02 | 0.026 | 0.040 | 0.64 | 0.39 | -1.05 | 4.93E-05 | 0.041 | 0.021 | 2.05 | 1.26 | -3.33 | 1.06 | 7.88E-01 | MROH2A | intronic |
| 5 | 171079142 | T | G | rs567906 | 7.84E-01 | 0.047 | 0.049 | 0.95 | 0.64 | -1.39 | 3.59E-17 | 0.059 | 0.029 | 2.10 | 1.39 | -3.16 | 0.94 | 7.89E-01 | FGF18(dist=194512), SMIM23(dist=133734) | intergenic |
| 9 | 128909409 | A | G | rs115257377 | 1.77E-02 | 0.019 | 0.036 | 0.53 | 0.3 | -0.93 | 2.74E-05 | 0.044 | 0.024 | 1.86 | 1.17 | -2.96 | 0.94 | 7.98E-01 | PBX3(dist=179754), LOC101929116(dist=122994) | intergenic |
| 17 | 749026 | G | A | rs111942842 | 8.02 | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|--------------|
| 19 | 53850614 | T | C | rs4803094 | 8.17E-01 | 0.216 | 0.222 | 1.03 | 0.85 | -1.26 | 1.94E-06 | 0.252 | 0.204 | 0.76 | 0.61 | -0.94 | 1.03 | 8.18E-01 | ZNF845 | intronic |
| 8 | 11887883 | C | T | rs148742085 | 8.23E-01 | 0.101 | 0.104 | 0.97 | 0.74 | -1.26 | 5.35E-05 | 0.132 | 0.097 | 1.42 | 1.07 | -1.88 | 1.04 | 8.21E-01 | DEFB134(dist=29622), DEFB130(dist=34015) | intergenic |
| 1 | 213324275 | C | T | rs182654659 | 8.21E-01 | 0.023 | 0.022 | 1.03 | 0.6 | -1.79 | 1.43E-05 | 0.037 | 0.024 | 1.55 | 0.93 | -2.57 | 1.10 | 8.24E-01 | RPS6KC1 | intronic |
| 19 | 55025272 | C | A | rs141847247 | 8.27E-01 | 0.031 | 0.033 | 0.93 | 0.58 | -1.49 | 4.14E-05 | 0.033 | 0.022 | 1.51 | 0.89 | -2.57 | 0.94 | 8.28E-01 | LAIR2(dist=3372), KIR3DX1(dist=18637) | intergenic |
| 11 | 78919189 | T | G | rs11237761 | 8.31E-01 | 0.025 | 0.023 | 1.06 | 0.63 | -1.81 | 2.80E-07 | 0.039 | 0.024 | 1.63 | 0.99 | -2.66 | 1.07 | 8.30E-01 | TENM4 | intronic |
| 19 | 55023885 | G | A | rs115568946 | 8.31E-01 | 0.030 | 0.032 | 0.93 | 0.58 | -1.5 | 3.18E-05 | 0.033 | 0.022 | 1.52 | 0.89 | -2.57 | 0.94 | 8.32E-01 | LAIR2(dist=1985), KIR3DX1(dist=20024) | intergenic |
| 15 | 81751999 | T | A | rs191939415 | 8.36E-01 | 0.021 | 0.022 | 0.95 | 0.54 | -1.68 | 1.75E-05 | 0.033 | 0.022 | 1.54 | 0.91 | -2.61 | 0.93 | 8.36E-01 | TMC3-AS1(dist=16582), MEX3B(dist=582120) | intergenic |
| 11 | 3221404 | C | G | rs139742421 | 8.38E-01 | 0.022 | 0.025 | 0.87 | 0.51 | -1.51 | 1.15E-05 | 0.036 | 0.022 | 1.70 | 1.02 | -2.84 | 0.93 | 8.37E-01 | OSBPL5(dist=34822), MRGPRG(dist=17770) | intergenic |
| 21 | 44036352 | G | C | rs575885902;rs7281783 | 8.35E-01 | 0.024 | 0.023 | 1.03 | 0.6 | -1.75 | 5.83E-06 | 0.037 | 0.020 | 1.86 | 1.12 | -3.1 | 1.08 | 8.39E-01 | SLC37A1(dist=34802), PDE9A(dist=37510) | intergenic |
| 7 | 1317394 | C | A | rs73670574 | 8.42E-01 | 0.043 | 0.044 | 0.98 | 0.66 | -1.47 | 4.70E-05 | 0.060 | 0.039 | 1.57 | 1.05 | -2.35 | 1.06 | 8.41E-01 | UNCX(dist=40781), MICALL2(dist=156601) | intergenic |
| 3 | 134831574 | T | C | rs7374312 | 8.45E-01 | 0.038 | 0.037 | 0.99 | 0.65 | -1.52 | 2.40E-05 | 0.050 | 0.032 | 1.62 | 0.4 | -0.96 | 1.06 | 8.45E-01 | EPHB1 | intronic |
| 15 | 34718328 | T | C | rs349635 | 8.46E-01 | 0.027 | 0.029 | 0.92 | 0.56 | -1.51 | 2.47E-05 | 0.038 | 0.026 | 1.46 | 0.89 | -2.4 | 0.94 | 8.47E-01 | NONE(dist=NONE), NONE(dist=NONE) | intergenic |
| 12 | 6524444 | C | T | rs143209959 | 8.48E-01 | 0.056 | 0.062 | 0.90 | 0.63 | -1.28 | 3.09E-05 | 0.050 | 0.031 | 1.62 | 1.05 | -2.52 | 0.97 | 8.48E-01 | LTBR(dist=23707), CD27-AS1(dist=292723) | intergenic |
| 18 | 56922852 | A | G | rs145981817 | 8.48E-01 | 0.185 | 0.186 | 1.01 | 0.82 | -1.25 | 4.71E-05 | 0.247 | 0.200 | 0.76 | 0.61 | -0.95 | 1.03 | 8.49E-01 | GRP(dist=24850), RAX(dist=11415) | intergenic |
| 17 | 66070117 | G | A | rs149902579 | 8.51E-01 | 0.038 | 0.039 | 0.98 | 0.64 | -1.49 | 6.90E-08 | 0.057 | 0.031 | 1.89 | 1.25 | -2.85 | 1.06 | 8.49E-01 | KPNA2(dist=27147), LINC00674(dist=27579) | intergenic |
| 10 | 24757675 | A | G | rs74506538 | 8.46E-01 | 0.045 | 0.045 | 1.00 | 0.68 | -1.48 | 1.18E-05 | 0.045 | 0.026 | 1.80 | 1.13 | -2.85 | 1.05 | 8.50E-01 | KIAA1217 | intronic |
| 12 | 6528195 | A | G | rs76895489 | 8.54E-01 | 0.054 | 0.059 | 0.90 | 0.63 | -1.29 | 1.01E-05 | 0.051 | 0.032 | 1.63 | 1.06 | -2.52 | 0.96 | 8.54E-01 | LTBR(dist=27458), CD27-AS1(dist=19972) | intergenic |
| 11 | 44471692 | G | A | rs112427129 | 8.55E-01 | 0.032 | 0.032 | 1.00 | 0.63 | -1.59 | 1.39E-05 | 0.051 | 0.036 | 1.44 | 0.93 | -2.2 | 0.95 | 8.55E-01 | ALX4(dist=139976), CD82(dist=115449) | intergenic |
| 16 | 60083017 | A | G | rs4784102;rs386791336 | 8.62E-01 | 0.025 | 0.025 | 0.99 | 0.59 | -1.67 | 1.79E-06 | 0.046 | 0.031 | 1.53 | 0.97 | -2.41 | 0.94 | 8.63E-01 | LOC101927580 | ncRNA_exonic |
| 5 | 2893293 | T | C | rs146148149 | 8.70E-01 | 0.032 | 0.031 | 1.02 | 0.64 | -1.63 | 1.81E-05 | 0.036 | 0.021 | 1.76 | 1.05 | -2.95 | 1.04 | 8.73E-01 | C5orf38(dist=137782), LINC01377(dist=284656) | intergenic |
| 17 | 35286520 | C | T | rs77485712 | 8.75E-01 | 0.029 | 0.029 | 0.98 | 0.6 | -1.6 | 1.99E-05 | 0.041 | 0.024 | 1.71 | 1.05 | -2.77 | 1.05 | 8.74E-01 | MRM1(dist=321113), LHX1(dist=8252) | intergenic |
| 2 | 222046341 | A | T | rs188832927 | 8.77E-01 | 0.179 | 0.185 | 0.96 | 0.78 | -1.19 | 1.11E-05 | 0.209 | 0.162 | 1.36 | 1.08 | -1.72 | 0.98 | 8.78E-01 | MIR4268(dist=1275055), EPHA4(dist=236406) | intergenic |
| 9 | 8940693 | C | T | rs16928642 | 8.79E-01 | 0.028 | 0.029 | 0.96 | 0.59 | -1.58 | 5.08E-05 | 0.048 | 0.028 | 1.71 | 1.09 | -2.69 | 0.96 | 8.80E-01 | PTPRD | intronic |
| 1 | 18568481 | G | A | rs77068056 | 8.79E-01 | 0.024 | 0.025 | 0.97 | 0.58 | -1.64 | 2.98E-06 | 0.034 | 0.020 | 1.74 | 1.03 | -2.94 | 1.06 | 8.81E-01 | IGSF21 | intronic |
| 19 | 1872571 | A | G | rs114802700 | 8.81E-01 | 0.044 | 0.048 | 0.92 | 0.62 | -1.36 | 4.51E-05 | 0.039 | 0.026 | 1.51 | 0.92 | -2.47 | 0.96 | 8.81E-01 | KLF16(dist=9007), ABHD17A(dist=4404) | intergenic |
| 17 | 76302044 | T | C | rs906561 | 8.84E-01 | 0.033 | 0.032 | 0.98 | 0.62 | -1.55 | 1.38E-05 | 0.064 | 0.051 | 0.77 | 0.53 | -1.14 | 1.04 | 8.82E-01 | LOC10096291(dist=27471), SOCS3(dist=50814) | intergenic |
| 12 | 6532692 | C | T | rs59724675 | 8.85E-01 | 0.055 | 0.061 | 0.91 | 0.64 | -1.29 | 2.93E-06 | 0.050 | 0.031 | 1.65 | 1.07 | -2.55 | 0.97 | 8.85E-01 | LTBR(dist=31955), CD27-AS1(dist=15475) | intergenic |
| 12 | 6528733 | G | T | rs78217307 | 8.88E-01 | 0.055 | 0.060 | 0.91 | 0.64 | -1.29 | 1.00E-05 | 0.051 | 0.032 | 1.63 | 1.06 | -2.52 | 0.97 | 8.87E-01 | LTBR(dist=27996), CD27-AS1(dist=19434) | intergenic |
| 12 | 6528959 | G | A | rs115336441 | 8.88E-01 | 0.055 | 0.060 | 0.91 | 0.64 | -1.29 | 1.03E-05 | 0.051 | 0.032 | 1.63 | 1.06 | -2.52 | 0.97 | 8.88E-01 | LTBR(dist=28222), CD27-AS1(dist=19208) | intergenic |
| 14 | 97526784 | A | T | rs186922178 | 8.87E-01 | 0.020 | 0.021 | 0.93 | 0.52 | -1.67 | 5.74E-05 | 0.036 | 0.020 | 1.81 | 1.08 | -3.03 | 0.94 | 8.89E-01 | LINC00618(dist=115053), LOC101929241(dist=398369) | intergenic |
| 6 | 107325444 | G | A | rs114596973 | 8.84E-01 | 0.040 | 0.041 | 0.99 | 0.66 | -1.5 | 5.46E-06 | 0.046 | 0.025 | 1.87 | 1.18 | -2.95 | 1.04 | 8.90E-01 | LOC100422737(dist=90144), C6orf203(dist=23932) | intergenic |
| 19 | 53849869 | G | A | rs4803092 | 8.94E-01 | 0.211 | 0.215 | 1.03 | 0.84 | -1.25 | 2.89E-06 | 0.250 | 0.201 | 0.75 | 0.61 | -0.94 | 1.02 | 8.94E-01 | ZNF845 | intronic |
| 12 | 6532939 | A | G | rs75339490 | 8.95E-01 | 0.053 | 0.058 | 0.90 | 0.63 | -1.3 | 6.08E-08 | 0.053 | 0.032 | 1.71 | 1.12 | -2.62 | 0.97 | 8.95E-01 | LTBR(dist=32202), CD27-AS1(dist=15228) | intergenic |
| 11 | 3244708 | G | A | rs141612724 | 8.99E-01 | 0.027 | 0.030 | 0.90 | 0.54 | -1.48 | 6.09E-06 | 0.038 | 0.024 | 1.61 | 0.98 | -2.65 | 0.96 | 8.98E-01 | MRGPRG-AS1 | downstream |
| 10 | 675037 | G | A | rs150271184 | 8.96E-01 | 0.027 | 0.027 | 0.98 | 0.59 | -1.62 | 5.42E-05 | 0.036 | 0.021 | 1.78 | 1.07 | -2.96 | 1.04 | 8.99E-01 | DIP2C | intergenic |
| 6 | 9117577 | T | A | rs13220860 | 8.97E-01 | 0.036 | 0.033 | 1.09 | 0.7 | -1.7 | 1.51E-05 | 0.059 | 0.043 | 1.40 | 0.93 | -2.09 | 1.04 | 9.02E-01 | LOC100506207(dist=331899), TFAP2A(dist=1279339) | intergenic |
| 11 | 12159062 | T | G | rs57662553 | 9.03E-01 | 0.030 | 0.031 | 0.96 | 0.6 | -1.55 | 1.27E-06 | 0.049 | 0.032 | 1.57 | 1.01 | -2.44 | 1.04 | 9.03E-01 | MICAL2 | intronic |
| 6 | 107322038 | G | A | rs114085968 | 8.99E-01 | 0.037 | 0.039 | 0.94 | 0.61 | -1.45 | 4.83E-05 | 0.043 | 0.025 | 1.79 | 1.12 | -2.87 | 0.97 | 9.04E-01 | LOC100422737(dist=86738), C6orf203(dist=27338) | intergenic |
| 21 | 40996943 | G | A | rs73904081 | 9.04E-01 | 0.083 | 0.081 | 1.03 | 0.77 | -1.38 | 1.51E-05 | 0.106 | 0.076 | 1.45 | 1.07 | -1.97 | 1.02 | 9.06E-01 | B3GALT5 | intronic |
| 1 | 237233883 | T | C | rs77802293 | 9.06E-01 | 0.025 | 0.027 | 0.92 | 0.55 | -1.54 | 2.87E-05 | 0.042 | 0.025 | 1.72 | 1.07 | -2.78 | 0.96 | 9.08E-01 | RYR2 | intronic |
| 6 | 107322075 | T | C | rs141462656 | 9.04E-01 | 0.038 | 0.040 | 0.94 | 0.62 | -1.45 | 2.44E-05 | 0.044 | 0.025 | 1.80 | 1.13 | -2.86 | 0.97 | 9.08E-01 | LOC100422737(dist=86775), C6orf203(dist=27301) | intergenic |
| 6 | 9122755 | C | T | rs78954827 | 9.05E-01 | 0.036 | 0.033 | 1.09 | 0.7 | -1.7 | 8.90E-06 | 0.058 | 0.042 | 1.40 | 0.93 | -2.09 | 1.03 | 9.09E-01 | LOC100506207(dist=337077), TFAP2A(dist=1274161) | intergenic |
| 2 | 16974400 | A | G | rs139459531 | 9.11E-01 | 0.023 | 0.023 | 0.97 | 0.56 | -1.68 | 4.25E-06 | 0.048 | 0.025 | 1.98 | 1.26 | -3.11 | 1.04 | 9.12E-01 | FAM49A(dist=127266), RAD51AP2(dist=717586) | intergenic |
| 14 | 99647890 | C | A | rs710306 | 9.12E-01 | 0.079 | 0.073 | 0.92 | 0.68 | -1.25 | 6.12E-05 | 0.113 | 0.094 | 0.81 | 0.6 | -1.09 | 0.98 | 9.14E-01 | BCL11B | intronic |
| 2 | 16974386 | T | C | rs150522760 | 9.14E-01 | 0.022 | 0.023 | 0.97 | 0.56 | -1.69 | 2.24E-06 | 0.047 | 0.024 | 2.01 | 1.28 | -3.17 | 1.04 | 9.14E-01 | FAM49A(dist=127252), RAD51AP2(dist=717600) | intergenic |
| 2 | 16974432 | C | A | rs183783692 | 9.14E-01 | 0.022 | 0.023 | 0.97 | 0.56 | -1.69 | 2.24E-06 | 0.047 | 0.024 | 2.01 | 1.27 | -3.17 | 1.04 | 9.15E-01 | FAM49A(dist=127298), RAD51AP2(dist=717554) | intergenic |
| 15 | 34732481 | T | C | rs145442028 | 9.17E-01 | 0.029 | 0.031 | 0.93 | 0.58 | -1.51 | 8.13E-06 | 0.041 | 0.028 | 1.48 | 0.92 | -2.38 | 0.97 | 9.17E-01 | NONE(dist=NONE), GOLGA8B(dist=85003) | intergenic |
| 6 | 24359182 | T | C | rs111218737 | 9.13E-01 | 0.204 | 0.203 | 1.00 | 0.82 | -1.23 | 2.10E-05 | 0.147 | 0.203 | 0.68 | 0.52 | -0.88 | 1.02 | 9.17E-01 | CCDC2 | intronic |
| 15 | 34731053 | C | T | rs150865979 | 9.17E-01 | 0.030 | 0.032 | 0.94 | 0.58 | -1.51 | 1.08E-05 | 0.042 | 0.029 | 1.47 | 0.91 | -2.36 | 0.97 | 9.17E-01 | NONE(dist=NONE), GOLGA8B(dist=86431) | intergenic |
| 8 | 17560910 | T | A | rs7386823 | 9.23E-01 | 0.040 | 0.040 | 1.00 | 0.66 | -1.52 | 1.36E-06 | 0.052 | 0.029 | 0.55 | 0.36 | -0.84 | 0.98 | 9.22E-01 | MTUS1 | intronic |
| 19 | 53851439 | A | G | rs8102481 | 9.22E-01 | 0.212 | 0.216 | 1.02 | 0.84 | -1.25 | 1.46E-06 | 0.246 | 0.197 | 0.75 | 0.61 | -0.94 | 1.01 | 9.22E-01 | ZNF845 | intronic |
| 4 | 6768819 | C | T | rs56200788 | 9.22E-01 | 0.049 | 0.050 | 0.98 | 0.67 | -1.43 | 4.53E-05 | 0.062 | 0.038 | 1.65 | 1.11 | -2.45 | 1.02 | 9.22E-01 | BLOC1S4(dist=49432), KIAA0232(dist=15640) | intergenic |
| 10 | 121121412 | G | A | rs4752296 | 9.26E-01 | 0.034 | 0.035 | 0.98 | 0.63 | -1.54 | 7.74E-06 | 0.047 | 0.027 | 1.80 | 1.15 | -2.83 | 1.03 | 9.28E-01 | GRK5 | intronic |
| 1 | 151538366 | G | A | rs3790506 | 9.27E-01 | 0.125 | 0.116 | 1.09 | 0.85 | -1.4 | 3.12E-06 | 0.186 | 0.139 | 1.42 | 1.11 | -1.8 | 1.02 | 9.28E-01 | TUFT1 | intronic |
| 11 | 117035816 | C | T | rs144037495 | 9.33E-01 | 0.025 | 0.024 | 1.03 | 0.61 | -1.74 | 6.40E-05 | 0.042 | 0.021 | 2.05 | 1.26 | -3.32 | 0.97 | 9.32E-01 | PAFAH1B2 | intronic |
| 16 | 81177307 | G | A | rs78914852 | 9.34E-01 | 0.031 | 0.031 | 1.01 | 0.63 | -1.61 | 1.60E-05 | 0.063 | 0.039 | 1.64 | 1.11 | -2.43 | 0.98 | 9.34E-01 | PKD1L2 | intronic |
| 16 | 83965094 | G | T | rs148719447 | 9.36E-01 | 0.028 | 0 | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|------------|
| 19 | 42519235 | T | C | rs111971846 | 9.53E-01 | 0.023 | 0.024 | 0.97 | 0.56 | -1.67 | 4.65E-06 | 0.034 | 0.021 | 1.66 | 0.98 | -2.83 | 0.98 | 9.53E-01 | GRIK5 | intronic |
| 19 | 53850179 | T | C | rs6509747 | 9.54E-01 | 0.221 | 0.222 | 1.01 | 0.83 | -1.22 | 2.59E-06 | 0.257 | 0.209 | 0.76 | 0.61 | -0.94 | 0.99 | 9.54E-01 | ZNF845 | intronic |
| 7 | 13640280 | A | G | rs141624195 | 3.30E-02 | 0.039 | 0.059 | 0.65 | 0.43 | -0.98 | 2.46E-05 | 0.064 | 0.037 | 1.76 | 1.19 | -2.61 | 1.01 | 9.54E-01 | ARL4A(dist=909722), ETV1(dist=290576) | intergenic |
| 15 | 26656713 | T | C | rs11632570 | 9.58E-01 | 0.373 | 0.372 | 1.00 | 0.84 | -1.18 | 4.08E-05 | 0.337 | 0.395 | 1.28 | 1.05 | -1.56 | 1.01 | 9.58E-01 | LINC00929(dist=278529), GABRB3(dist=131981) | intergenic |
| 16 | 83963096 | C | T | rs138126554 | 9.65E-01 | 0.028 | 0.030 | 0.94 | 0.58 | -1.54 | 7.52E-08 | 0.040 | 0.021 | 1.92 | 1.18 | -3.13 | 0.99 | 9.65E-01 | MLYCD(dist=13309), OSGIN1(dist=23731) | intergenic |
| 7 | 104407521 | C | T | rs4730042 | 9.66E-01 | 0.023 | 0.024 | 0.97 | 0.56 | -1.67 | 5.27E-05 | 0.047 | 0.031 | 1.57 | 1 | -2.46 | 0.98 | 9.66E-01 | LHFPL3 | intronic |
| 19 | 13472795 | C | A | rs116085161 | 9.70E-01 | 0.037 | 0.038 | 0.97 | 0.63 | -1.49 | 3.96E-05 | 0.051 | 0.030 | 1.72 | 1.11 | -2.65 | 1.01 | 9.70E-01 | CACNA1A | intronic |
| 11 | 111162181 | T | C | rs116444723 | 9.73E-01 | 0.046 | 0.046 | 1.00 | 0.67 | -1.47 | 6.05E-05 | 0.050 | 0.034 | 1.49 | 0.96 | -2.3 | 1.01 | 9.73E-01 | C11orf53(dist=5052), COLCA1(dist=1933) | intergenic |
| 16 | 83964828 | C | G | rs146022777 | 9.76E-01 | 0.028 | 0.029 | 0.95 | 0.58 | -1.56 | 6.87E-08 | 0.040 | 0.021 | 1.91 | 1.17 | -3.12 | 0.99 | 9.76E-01 | MLYCD(dist=15041), OSGIN1(dist=21999) | intergenic |
| 6 | 26340271 | A | G | rs114618338 | 9.82E-01 | 0.039 | 0.040 | 0.98 | 0.64 | -1.49 | 4.25E-14 | 0.057 | 0.028 | 2.08 | 1.37 | -3.16 | 0.99 | 9.83E-01 | HIST1H4H(dist=54544), BTN3A2(dist=25116) | intergenic |
| 19 | 53850160 | G | A | rs8112602 | 9.83E-01 | 0.220 | 0.222 | 1.01 | 0.83 | -1.23 | 2.92E-06 | 0.257 | 0.209 | 0.76 | 0.61 | -0.94 | 1.00 | 9.83E-01 | ZNF845 | intronic |
| 8 | 12713928 | G | A | rs73538865 | 9.84E-01 | 0.025 | 0.026 | 0.95 | 0.57 | -1.6 | 3.52E-07 | 0.044 | 0.023 | 1.91 | 1.2 | -3.07 | 0.99 | 9.84E-01 | LINC00681(dist=38128), KIAA1456(dist=89255) | intergenic |
| 4 | 171236615 | A | T | rs114469389 | 9.85E-01 | 0.025 | 0.023 | 1.08 | 0.64 | -1.83 | 5.36E-05 | 0.047 | 0.032 | 1.48 | 0.94 | -2.31 | 1.01 | 9.85E-01 | LOC101928223(dist=31742), LOC100506122(dist=725138) | intergenic |
| 19 | 53849750 | G | A | rs4801978 | 9.88E-01 | 0.194 | 0.195 | 1.01 | 0.82 | -1.24 | 4.72E-06 | 0.228 | 0.182 | 0.75 | 0.6 | -0.94 | 1.00 | 9.89E-01 | ZNF845 | intronic |
| 10 | 121121244 | G | A | rs4752295 | 9.88E-01 | 0.031 | 0.032 | 0.97 | 0.61 | -1.56 | 4.98E-08 | 0.045 | 0.024 | 1.95 | 1.23 | -3.11 | 1.00 | 9.89E-01 | GRK5 | intronic |
| 20 | 57316025 | G | T | rs73915931 | 9.92E-01 | 0.026 | 0.027 | 0.95 | 0.57 | -1.58 | 6.33E-05 | 0.037 | 0.023 | 1.63 | 0.99 | -2.7 | 1.00 | 9.92E-01 | STX16-NPEPL1(dist=25125), MIR296(dist=76645) | intergenic |
| 19 | 53849446 | G | A | rs4803089 | 9.95E-01 | 0.176 | 0.178 | 1.01 | 0.82 | -1.25 | 2.61E-05 | 0.205 | 0.164 | 0.76 | 0.6 | -0.96 | 1.00 | 9.95E-01 | ZNF845 | intronic |
| 19 | 53849700 | G | A | rs4803090 | 9.96E-01 | 0.195 | 0.197 | 1.01 | 0.82 | -1.24 | 7.76E-06 | 0.229 | 0.184 | 0.76 | 0.6 | -0.95 | 1.00 | 9.96E-01 | ZNF845 | intronic |

Results for all association with p-values < 6.5x10⁻⁵ in GWAS1 and GWAS2 for UC. Suggestive SNPs at established European loci (specifically <1 Mb of the maximal reported associations) for UC are indicated in bold.

Supplementary Table 1: Suggestive SNPs at established European loci (specifically <1 Mb of the maximal reported associations) for IBD are indicated in bold

| Chr | Position | A1 | A2 | SNP Name | GWAS1 (Omni2.5) | | | | | GWAS2 (Axiom) | | | | | Combined | | nearest_gene(s) | Annotation |
|-----|-----------|----|----|------------------------|-----------------|-----------|--------------|------|-------------|---------------|-----------|--------------|------|-------------|----------|----------|---|----------------|
| | | | | | P_value | Case_Freq | Control_Freq | OR | OR_CI | P_Value | Case_Freq | Control_Freq | OR | OR_CI | OR | P-value | | |
| 5 | 124293144 | T | C | rs386692020;rs73782531 | 1.56E-16 | 0.013 | 0.056 | 0.22 | 0.15 - 0.33 | 6.26E-01 | 0.043 | 0.044 | 0.98 | 0.76 - 1.26 | 0.54 | 8.51E-09 | ZNF608(dist=212339), LOC101927421(dist=79380) | intergenic |
| 21 | 16800087 | C | T | rs7278277 | 1.60E-04 | 0.530 | 0.473 | 0.80 | 0.71 - 0.89 | 1.21E-05 | 0.513 | 0.476 | 0.86 | 0.78 - 0.96 | 0.77 | 1.99E-08 | NRIP1(dist=362961), USP25(dist=302257) | intergenic |
| 5 | 40424426 | A | C | rs6896969 | 4.09E-04 | 0.340 | 0.387 | 1.22 | 1.09 - 1.37 | 2.85E-05 | 0.335 | 0.391 | 1.27 | 1.14 - 1.42 | 1.25 | 7.81E-08 | LINC00603(dist=371000), PTGER4(dist=255606) | intergenic |
| 5 | 40426420 | G | T | rs957100 | 3.46E-04 | 0.339 | 0.387 | 1.23 | 1.09 - 1.38 | 3.58E-05 | 0.336 | 0.390 | 1.27 | 1.13 - 1.41 | 1.25 | 8.04E-08 | LINC00603(dist=372994), PTGER4(dist=253612) | intergenic |
| 5 | 40425190 | T | G | rs6879489 | 3.79E-04 | 0.340 | 0.387 | 1.23 | 1.09 - 1.37 | 3.83E-05 | 0.337 | 0.391 | 1.26 | 1.13 - 1.41 | 1.25 | 9.38E-08 | LINC00603(dist=371764), PTGER4(dist=254842) | intergenic |
| 5 | 40423280 | G | A | rs7730591 | 4.09E-04 | 0.340 | 0.387 | 1.22 | 1.09 - 1.37 | 3.53E-05 | 0.336 | 0.390 | 1.27 | 1.14 - 1.41 | 1.25 | 9.41E-08 | LINC00603(dist=369854), PTGER4(dist=256752) | intergenic |
| 6 | 32594240 | T | A | rs139282044 | 5.48E-05 | 0.050 | 0.031 | 1.67 | 1.26 - 2.21 | 1.74E-04 | 0.038 | 0.022 | 1.76 | 1.31 - 2.36 | 1.93 | 9.43E-08 | HLA-DRB1(dist=36627), HLA-DQA1(dist=10943) | intergenic |
| 5 | 40406130 | T | A | rs6871591 | 3.40E-04 | 0.342 | 0.390 | 1.23 | 1.1 - 1.38 | 4.37E-05 | 0.336 | 0.389 | 1.26 | 1.13 - 1.41 | 1.25 | 9.46E-08 | LINC00603(dist=352704), PTGER4(dist=273902) | intergenic |
| 5 | 40415067 | C | T | rs1992660 | 3.48E-04 | 0.339 | 0.387 | 1.23 | 1.1 - 1.38 | 4.26E-05 | 0.335 | 0.389 | 1.26 | 1.13 - 1.41 | 1.25 | 9.47E-08 | LINC00603(dist=361641), PTGER4(dist=264965) | intergenic |
| 5 | 40425701 | G | T | rs6451498 | 4.11E-04 | 0.340 | 0.387 | 1.22 | 1.09 - 1.37 | 3.55E-05 | 0.336 | 0.390 | 1.27 | 1.13 - 1.41 | 1.24 | 9.51E-08 | LINC00603(dist=372275), PTGER4(dist=254331) | intergenic |
| 5 | 40419143 | G | C | rs114400949 | 4.21E-04 | 0.341 | 0.387 | 1.22 | 1.09 - 1.37 | 3.47E-05 | 0.336 | 0.391 | 1.27 | 1.14 - 1.41 | 1.25 | 9.54E-08 | LINC00603(dist=365717), PTGER4(dist=260889) | intergenic |
| 5 | 40420666 | C | G | rs7705462 | 4.33E-04 | 0.341 | 0.387 | 1.22 | 1.09 - 1.37 | 3.38E-05 | 0.336 | 0.390 | 1.27 | 1.14 - 1.41 | 1.24 | 9.58E-08 | LINC00603(dist=367240), PTGER4(dist=259366) | intergenic |
| 9 | 117811778 | C | T | rs114032850 | 3.14E-05 | 0.066 | 0.042 | 1.61 | 1.26 - 2.05 | 4.00E-04 | 0.063 | 0.041 | 1.56 | 1.24 - 1.95 | 1.65 | 9.59E-08 | TNC | intronic |
| 5 | 40422938 | A | C | rs6876242 | 4.24E-04 | 0.340 | 0.387 | 1.22 | 1.09 - 1.37 | 3.49E-05 | 0.336 | 0.391 | 1.27 | 1.14 - 1.41 | 1.24 | 9.67E-08 | LINC00603(dist=369512), PTGER4(dist=257094) | intergenic |
| 5 | 40417841 | C | T | rs2371720 | 4.32E-04 | 0.341 | 0.387 | 1.22 | 1.09 - 1.37 | 3.43E-05 | 0.336 | 0.390 | 1.27 | 1.14 - 1.41 | 1.24 | 9.70E-08 | LINC00603(dist=364415), PTGER4(dist=262191) | intergenic |
| 5 | 40406050 | A | T | rs6890268 | 3.54E-04 | 0.340 | 0.387 | 1.23 | 1.1 - 1.38 | 4.49E-05 | 0.335 | 0.389 | 1.26 | 1.13 - 1.41 | 1.24 | 1.01E-07 | LINC00603(dist=352624), PTGER4(dist=273982) | intergenic |
| 5 | 40412944 | T | A | rs10473191 | 3.40E-04 | 0.339 | 0.387 | 1.23 | 1.1 - 1.38 | 4.88E-05 | 0.335 | 0.389 | 1.26 | 1.13 - 1.41 | 1.24 | 1.04E-07 | LINC00603(dist=359518), PTGER4(dist=267088) | intergenic |
| 5 | 40410584 | T | C | rs11742570 | 3.38E-04 | 0.339 | 0.387 | 1.23 | 1.1 - 1.38 | 4.95E-05 | 0.335 | 0.389 | 1.26 | 1.13 - 1.41 | 1.24 | 1.05E-07 | LINC00603(dist=357158), PTGER4(dist=269448) | intergenic |
| 5 | 40412466 | A | G | rs6888952 | 3.40E-04 | 0.339 | 0.387 | 1.23 | 1.1 - 1.38 | 4.93E-05 | 0.335 | 0.389 | 1.26 | 1.13 - 1.41 | 1.24 | 1.05E-07 | LINC00603(dist=359040), PTGER4(dist=267566) | intergenic |
| 5 | 40418264 | T | G | rs6873829 | 3.99E-04 | 0.341 | 0.388 | 1.22 | 1.09 - 1.37 | 4.12E-05 | 0.340 | 0.394 | 1.26 | 1.13 - 1.41 | 1.24 | 1.05E-07 | LINC00603(dist=364838), PTGER4(dist=261768) | intergenic |
| 5 | 40412195 | T | C | rs12655810 | 3.40E-04 | 0.339 | 0.387 | 1.23 | 1.1 - 1.38 | 4.94E-05 | 0.335 | 0.389 | 1.26 | 1.13 - 1.41 | 1.24 | 1.06E-07 | LINC00603(dist=358769), PTGER4(dist=267837) | intergenic |
| 5 | 40411910 | A | G | rs6883964 | 3.40E-04 | 0.339 | 0.387 | 1.23 | 1.1 - 1.38 | 4.95E-05 | 0.335 | 0.389 | 1.26 | 1.13 - 1.41 | 1.24 | 1.06E-07 | LINC00603(dist=358484), PTGER4(dist=268122) | intergenic |
| 5 | 40410935 | G | T | rs6451493 | 3.40E-04 | 0.339 | 0.387 | 1.23 | 1.1 - 1.38 | 4.96E-05 | 0.335 | 0.389 | 1.26 | 1.13 - 1.41 | 1.24 | 1.06E-07 | LINC00603(dist=357509), PTGER4(dist=269097) | intergenic |
| 5 | 40419949 | C | G | rs10473192 | 4.56E-04 | 0.341 | 0.387 | 1.22 | 1.09 - 1.37 | 3.61E-05 | 0.339 | 0.393 | 1.26 | 1.13 - 1.41 | 1.24 | 1.07E-07 | LINC00603(dist=366523), PTGER4(dist=260083) | intergenic |
| 5 | 40411291 | T | C | rs6451494 | 3.35E-04 | 0.339 | 0.387 | 1.23 | 1.1 - 1.38 | 5.25E-05 | 0.336 | 0.389 | 1.26 | 1.13 - 1.41 | 1.24 | 1.10E-07 | LINC00603(dist=357865), PTGER4(dist=268741) | intergenic |
| 5 | 40414419 | C | T | rs1445004 | 3.57E-04 | 0.340 | 0.387 | 1.23 | 1.09 - 1.38 | 4.98E-05 | 0.336 | 0.389 | 1.26 | 1.13 - 1.41 | 1.24 | 1.12E-07 | LINC00603(dist=360993), PTGER4(dist=265613) | intergenic |
| 5 | 40414886 | A | C | rs7711427 | 3.43E-04 | 0.339 | 0.387 | 1.23 | 1.1 - 1.38 | 5.24E-05 | 0.335 | 0.389 | 1.26 | 1.13 - 1.41 | 1.24 | 1.12E-07 | LINC00603(dist=361460), PTGER4(dist=265146) | intergenic |
| 9 | 117820041 | G | T | rs75471482 | 5.20E-05 | 0.065 | 0.042 | 1.59 | 1.25 - 2.03 | 3.71E-04 | 0.063 | 0.041 | 1.56 | 1.25 - 1.96 | 1.64 | 1.38E-07 | TNC | intronic |
| 6 | 32586908 | G | A | rs9271367;rs386699490 | 2.28E-05 | 0.308 | 0.256 | 0.77 | 0.68 - 0.87 | 5.59E-04 | 0.309 | 0.269 | 0.82 | 0.73 - 0.92 | 0.79 | 1.40E-07 | HLA-DRB1(dist=29295), HLA-DQA1(dist=18275) | intergenic |
| 9 | 117827060 | C | T | rs61738263 | 2.45E-05 | 0.068 | 0.044 | 1.60 | 1.26 - 2.03 | 8.14E-04 | 0.062 | 0.042 | 1.52 | 1.21 - 1.91 | 1.64 | 1.61E-07 | TNC | exonic |
| 5 | 158782684 | C | T | rs11749526 | 3.20E-05 | 0.020 | 0.034 | 0.58 | 0.41 - 0.83 | 9.64E-04 | 0.023 | 0.042 | 0.54 | 0.39 - 0.75 | 0.53 | 2.64E-07 | LOC285626, IL12B (dist=25203) | ncRNA_intronic |
| 5 | 40391104 | C | T | rs6865484 | 1.22E-03 | 0.310 | 0.350 | 1.20 | 1.07 - 1.35 | 3.20E-05 | 0.303 | 0.358 | 1.28 | 1.14 - 1.43 | 1.24 | 2.70E-07 | LINC00603(dist=337678), PTGER4(dist=288928) | intergenic |
| 5 | 40419429 | T | C | rs71590609 | 9.72E-04 | 0.347 | 0.390 | 1.20 | 1.07 - 1.35 | 5.16E-05 | 0.336 | 0.388 | 1.26 | 1.13 - 1.4 | 1.24 | 3.16E-07 | LINC00603(dist=366003), PTGER4(dist=260603) | intergenic |
| 5 | 40385134 | C | T | rs10473187 | 1.23E-03 | 0.310 | 0.350 | 1.20 | 1.07 - 1.35 | 3.80E-05 | 0.304 | 0.358 | 1.27 | 1.14 - 1.43 | 1.24 | 3.17E-07 | LINC00603(dist=331708), PTGER4(dist=294898) | intergenic |
| 21 | 16801277 | C | G | rs2242830 | 1.04E-03 | 0.499 | 0.447 | 0.81 | 0.73 - 0.9 | 3.42E-05 | 0.510 | 0.475 | 0.87 | 0.78 - 0.97 | 0.80 | 3.99E-07 | NRIP1(dist=364151), USP25(dist=301067) | intergenic |
| 5 | 40418135 | G | C | rs12654092 | 1.70E-03 | 0.382 | 0.423 | 1.19 | 1.06 - 1.33 | 3.72E-05 | 0.394 | 0.446 | 1.24 | 1.11 - 1.38 | 1.24 | 4.34E-07 | LINC00603(dist=364709), PTGER4(dist=261897) | intergenic |
| 6 | 32592437 | T | A | rs182324300 | 2.30E-05 | 0.072 | 0.051 | 1.44 | 1.14 - 1.8 | 2.06E-03 | 0.059 | 0.044 | 1.37 | 1.09 - 1.72 | 1.77 | 4.40E-07 | HLA-DRB1(dist=34824), HLA-DQA1(dist=12746) | intergenic |
| 14 | 77137585 | G | A | rs12185039 | 5.49E-03 | 0.122 | 0.096 | 1.31 | 1.1 - 1.57 | 8.58E-06 | 0.127 | 0.098 | 1.33 | 1.13 - 1.56 | 1.42 | 4.48E-07 | ESRRB(dist=169405), VASH1(dist=90650) | intergenic |
| 21 | 16799818 | G | A | rs7276764 | 1.78E-03 | 0.277 | 0.314 | 0.84 | 0.74 - 0.95 | 3.24E-05 | 0.281 | 0.320 | 0.83 | 0.74 - 0.93 | 0.77 | 6.36E-07 | NRIP1(dist=362692), USP25(dist=302526) | intergenic |
| 21 | 16816017 | A | G | rs1297264 | 2.00E-03 | 0.442 | 0.393 | 0.82 | 0.73 - 0.92 | 3.90E-05 | 0.437 | 0.393 | 0.83 | 0.75 - 0.93 | 0.81 | 6.45E-07 | NRIP1(dist=378891), USP25(dist=286327) | intergenic |
| 21 | 16820081 | A | T | rs1297269 | 2.77E-03 | 0.440 | 0.393 | 0.83 | 0.74 - 0.92 | 2.73E-05 | 0.436 | 0.391 | 0.83 | 0.75 - 0.92 | 0.81 | 6.78E-07 | NRIP1(dist=382955), USP25(dist=282263) | intergenic |
| 3 | 45989578 | C | G | rs55698153 | 1.82E-05 | 0.050 | 0.075 | 0.64 | 0.51 - 0.81 | 7.67E-03 | 0.037 | 0.049 | 0.75 | 0.57 - 0.98 | 0.60 | 6.94E-07 | CXCR6(NM_006564:c.*576C>G) | UTR3 |
| 21 | 16814655 | A | C | rs1297263 | 2.69E-03 | 0.455 | 0.407 | 0.82 | 0.74 - 0.92 | 3.26E-05 | 0.452 | 0.406 | 0.83 | 0.75 - 0.92 | 0.82 | 7.45E-07 | NRIP1(dist=377529), USP25(dist=287689) | intergenic |
| 21 | 16812882 | C | T | rs1736023 | 2.87E-03 | 0.454 | 0.407 | 0.83 | 0.74 - 0.92 | 3.08E-05 | 0.454 | 0.407 | 0.83 | 0.75 - 0.92 | 0.82 | 7.59E-07 | NRIP1(dist=375756), USP25(dist=289462) | intergenic |
| 8 | 103659239 | T | G | rs76386016 | 1.37E-02 | 0.035 | 0.027 | 1.27 | 0.93 - 1.74 | 6.28E-07 | 0.037 | 0.021 | 1.77 | 1.31 - 2.39 | 2.24 | 7.74E-07 | ODF1(dist=85994), KLF10(dist=1766) | intergenic |
| 21 | 16823163 | C | T | rs1297271 | 3.77E-03 | 0.440 | 0.395 | 0.83 | 0.74 - 0.93 | 2.46E-05 | 0.434 | 0.388 | 0.83 | 0.74 - 0.92 | 0.82 | 8.60E-07 | NRIP1(dist=386037), USP25(dist=279181) | intergenic |
| 21 | 16811996 | C | T | rs1736145 | 3.22E-03 | 0.455 | 0.408 | 0.83 | 0.74 - 0.92 | 4.00E-05 | 0.452 | 0.406 | 0.83 | 0.75 - 0.92 | 0.82 | 1.06E-06 | NRIP1(dist=374870), USP25(dist=290348) | intergenic |
| 21 | 16812599 | C | T | rs1297260 | 3.24E-03 | 0.458 | 0.412 | 0.83 | 0.74 - 0.93 | 4.07E-05 | 0.452 | 0.407 | 0.83 | 0.75 - 0.92 | 0.82 | 1.07E-06 | NRIP1(dist=375473), USP25(dist=289745) | intergenic |
| 21 | 16812623 | T | C | rs1297261 | 3.25E-03 | 0.458 | 0.412 | 0.83 | 0.74 - 0.93 | 4.08E-05 | 0.452 | 0.407 | 0.83 | 0.75 - 0.92 | 0.82 | 1.08E-06 | NRIP1(dist=375497), USP25(dist=289721) | intergenic |
| 21 | 16812630 | C | T | rs1297262 | 3.24E-03 | 0.458 | 0.412 | 0.83 | 0.74 - 0.93 | 4.11E-05 | 0.452 | 0.407 | 0.83 | 0.75 - 0.92 | 0.82 | 1.08E-06 | NRIP1(dist=375504), USP25(dist=289714) | intergenic |
| 2 | 25 | | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|------|----------|-------|-------|------|------|------|------|----------|--|----------------|
| 5 | 40497604 | G | A | rs4286721 | 4.72E-05 | 0.330 | 0.384 | 1.26 | 1.13 | 1.42 | 5.43E-03 | 0.335 | 0.369 | 1.16 | 1.04 | 1.29 | 1.22 | 1.87E-06 | LINC00603(dist=444178), PTGER4(dist=182428) | intergenic |
| 15 | 68633773 | T | C | rs8035990 | 6.05E-05 | 0.414 | 0.348 | 0.75 | 0.67 | 0.84 | 7.59E-03 | 0.400 | 0.385 | 0.94 | 0.84 | 1.04 | 0.81 | 1.89E-06 | ITGA11 | intronic |
| 21 | 16813212 | T | C | rs1736148 | 5.90E-03 | 0.472 | 0.426 | 0.83 | 0.75 | 0.93 | 4.07E-05 | 0.452 | 0.406 | 0.83 | 0.75 | 0.92 | 0.82 | 1.99E-06 | NRIP1(dist=376086), USP25(dist=289132) | intergenic |
| 21 | 16834006 | C | A | rs1736039 | 8.94E-03 | 0.439 | 0.398 | 0.85 | 0.76 | 0.94 | 2.33E-05 | 0.434 | 0.389 | 0.83 | 0.75 | 0.92 | 0.82 | 2.11E-06 | NRIP1(dist=396880), USP25(dist=268338) | intergenic |
| 9 | 21342332 | G | A | rs4526448 | 2.26E-02 | 0.279 | 0.256 | 0.89 | 0.79 | 1.01 | 6.37E-06 | 0.289 | 0.238 | 0.77 | 0.69 | 0.87 | 0.80 | 2.16E-06 | KLHL9(dist=6903), IFNA6(dist=7985) | intergenic |
| 21 | 16807749 | A | G | rs1297259 | 4.86E-03 | 0.460 | 0.415 | 0.83 | 0.75 | 0.93 | 5.72E-05 | 0.453 | 0.409 | 0.84 | 0.75 | 0.93 | 0.82 | 2.19E-06 | NRIP1(dist=370623), USP25(dist=294595) | intergenic |
| 8 | 103642111 | G | A | rs6998910 | 1.62E-02 | 0.033 | 0.026 | 1.28 | 0.93 | 1.76 | 2.81E-06 | 0.037 | 0.022 | 1.72 | 1.28 | 2.32 | 2.17 | 2.23E-06 | ODF1(dist=68866), KLF10(dist=18894) | intergenic |
| 1 | 67630341 | A | T | rs10889663 | 8.74E-03 | 0.299 | 0.331 | 0.86 | 0.77 | 0.97 | 3.46E-05 | 0.274 | 0.313 | 0.83 | 0.74 | 0.93 | 0.78 | 2.60E-06 | C1orf141(dist=29687), IL23R(dist=1828) | intergenic |
| 6 | 32589301 | A | G | rs9271501 | 4.95E-05 | 0.370 | 0.422 | 0.80 | 0.72 | 0.9 | 4.80E-03 | 0.376 | 0.417 | 0.84 | 0.76 | 0.94 | 0.82 | 2.72E-06 | HLA-DRB1(dist=31688), HLA-DQA1(dist=15882) | intergenic |
| 6 | 32589300 | C | T | rs9271500 | 4.65E-05 | 0.370 | 0.422 | 0.80 | 0.72 | 0.9 | 5.22E-03 | 0.376 | 0.416 | 0.84 | 0.76 | 0.94 | 0.82 | 2.84E-06 | HLA-DRB1(dist=31687), HLA-DQA1(dist=15883) | intergenic |
| 6 | 32668111 | T | C | rs116026851 | 5.54E-05 | 0.126 | 0.096 | 1.35 | 1.14 | 1.61 | 5.56E-03 | 0.120 | 0.092 | 1.35 | 1.14 | 1.59 | 1.36 | 3.30E-06 | HLA-DQB1(dist=33645), HLA-DQA2(dist=41052) | intergenic |
| 6 | 32676547 | G | A | rs142373984 | 4.99E-05 | 0.113 | 0.088 | 1.33 | 1.1 | 1.59 | 6.09E-03 | 0.102 | 0.078 | 1.34 | 1.12 | 1.6 | 1.43 | 3.39E-06 | HLA-DQB1(dist=42081), HLA-DQA2(dist=32616) | intergenic |
| 6 | 167541624 | T | C | rs41414848 | 4.04E-02 | 0.071 | 0.089 | 0.78 | 0.64 | 0.96 | 1.50E-06 | 0.042 | 0.068 | 0.61 | 0.48 | 0.78 | 0.67 | 3.50E-06 | CCR6 | intronic |
| 21 | 16806695 | A | G | rs1736137 | 7.60E-03 | 0.468 | 0.425 | 0.84 | 0.76 | 0.94 | 6.32E-05 | 0.464 | 0.420 | 0.84 | 0.75 | 0.93 | 0.83 | 3.75E-06 | NRIP1(dist=369569), USP25(dist=295649) | intergenic |
| 16 | 82234820 | C | A | rs73595019 | 5.02E-05 | 0.077 | 0.055 | 1.43 | 1.15 | 1.78 | 7.56E-03 | 0.072 | 0.055 | 1.34 | 1.09 | 1.65 | 1.51 | 3.79E-06 | MPHOSP6(dist=30991), CDH13(dist=425579) | intergenic |
| 6 | 32548359 | T | C | rs28732269 | 2.07E-06 | 0.071 | 0.097 | 0.71 | 0.58 | 0.87 | 1.63E-01 | 0.083 | 0.091 | 0.91 | 0.76 | 1.1 | 0.52 | 3.87E-06 | HLA-DRB1 | intronic |
| 21 | 16823258 | T | A | rs1736034 | 1.42E-02 | 0.455 | 0.490 | 0.87 | 0.78 | 0.97 | 1.91E-05 | 0.527 | 0.478 | 0.82 | 0.74 | 0.91 | 0.82 | 3.91E-06 | NRIP1(dist=386132), USP25(dist=279086) | intergenic |
| 19 | 20413114 | A | G | rs2336216 | 3.62E-02 | 0.308 | 0.289 | 1.10 | 0.98 | 1.24 | 6.60E-06 | 0.303 | 0.251 | 1.30 | 1.16 | 1.46 | 1.24 | 3.97E-06 | ZNF486(dist=101814), MIR1270(dist=96968) | intergenic |
| 7 | 38096372 | C | G | rs190657492 | 1.25E-02 | 0.043 | 0.033 | 1.32 | 0.99 | 1.76 | 3.02E-05 | 0.053 | 0.033 | 1.65 | 1.29 | 2.12 | 1.74 | 4.26E-06 | EPDR1(dist=104830), STARD3NL(dist=121436) | intergenic |
| 8 | 50360812 | C | A | rs142570366 | 3.89E-07 | 0.059 | 0.035 | 1.74 | 1.34 | 2.26 | 1.50E-01 | 0.047 | 0.038 | 1.26 | 0.98 | 1.62 | 1.65 | 4.31E-06 | C8orf22(dist=372170), SNTG1(dist=461537) | intergenic |
| 5 | 86345523 | A | G | rs6872785 | 1.91E-02 | 0.492 | 0.447 | 1.20 | 1.08 | 1.34 | 1.58E-05 | 0.525 | 0.490 | 1.15 | 1.04 | 1.28 | 1.22 | 4.45E-06 | LOC100505878(dist=299934), MIR4280(dist=65173) | intergenic |
| 13 | 97645439 | C | T | rs9300381 | 3.38E-02 | 0.064 | 0.052 | 1.23 | 0.97 | 1.55 | 7.80E-06 | 0.077 | 0.049 | 1.64 | 1.34 | 2.02 | 1.50 | 4.56E-06 | OXGR1 | intronic |
| 13 | 97644347 | T | C | rs9584460 | 3.61E-02 | 0.063 | 0.052 | 1.22 | 0.97 | 1.55 | 7.63E-06 | 0.077 | 0.049 | 1.64 | 1.34 | 2.02 | 1.51 | 4.82E-06 | OXGR1 | intronic |
| 1 | 81031622 | T | C | rs146941583 | 3.21E-05 | 0.059 | 0.036 | 1.67 | 1.29 | 2.16 | 1.64E-02 | 0.054 | 0.040 | 1.38 | 1.09 | 1.75 | 1.58 | 5.33E-06 | LOC101927412 | ncRNA_intronic |
| 11 | 5400971 | G | A | rs7948662 | 2.07E-02 | 0.323 | 0.354 | 0.87 | 0.78 | 0.98 | 3.55E-05 | 0.289 | 0.336 | 0.80 | 0.72 | 0.9 | 0.82 | 5.81E-06 | OR51B5 | intronic |
| 5 | 86357920 | A | G | rs6885404 | 1.34E-02 | 0.489 | 0.440 | 1.22 | 1.09 | 1.36 | 4.34E-05 | 0.520 | 0.487 | 1.14 | 1.03 | 1.27 | 1.21 | 5.86E-06 | LOC100505878(dist=312331), MIR4280(dist=52776) | intergenic |
| 9 | 21344320 | C | T | rs667069 | 4.23E-02 | 0.281 | 0.261 | 0.90 | 0.8 | 1.02 | 9.46E-06 | 0.300 | 0.251 | 0.78 | 0.7 | 0.88 | 0.81 | 5.91E-06 | KLHL9(dist=8891), IFNA6(dist=5997) | intergenic |
| 7 | 46947326 | G | C | rs73694483 | 1.70E-02 | 0.048 | 0.037 | 1.31 | 1 | 1.71 | 2.86E-05 | 0.054 | 0.032 | 1.71 | 1.33 | 2.18 | 1.65 | 6.04E-06 | IGFBP3(dist=986455), TNS3(dist=367426) | intergenic |
| 17 | 78354661 | C | T | rs4889848 | 2.88E-02 | 0.055 | 0.037 | 0.66 | 0.51 | 0.85 | 2.12E-05 | 0.105 | 0.086 | 0.81 | 0.68 | 0.96 | 0.66 | 6.53E-06 | RNF213 | exonic |
| 1 | 201918527 | T | G | rs2820304 | 1.08E-06 | 0.116 | 0.148 | 0.76 | 0.64 | 0.89 | 7.83E-02 | 0.142 | 0.167 | 0.82 | 0.71 | 0.95 | 0.76 | 6.82E-06 | LMOD1(dist=2811), TIMM17A(dist=6092) | intergenic |
| 19 | 13719658 | C | T | rs114463198 | 5.15E-06 | 0.042 | 0.027 | 1.59 | 1.17 | 2.15 | 8.59E-01 | 0.025 | 0.023 | 1.09 | 0.78 | 1.52 | 2.57 | 6.84E-06 | CACNA1A(dist=102384), CCDC130(dist=139095) | intergenic |
| 6 | 32524150 | G | C | rs146662207 | 1.94E-05 | 0.255 | 0.291 | 0.83 | 0.73 | 0.94 | 1.90E-02 | 0.305 | 0.328 | 0.90 | 0.81 | 1.01 | 0.78 | 6.91E-06 | HLA-DRB6 | ncRNA_intronic |
| 7 | 38046849 | T | C | rs1524050 | 1.47E-01 | 0.241 | 0.224 | 1.10 | 0.96 | 1.25 | 3.86E-07 | 0.279 | 0.223 | 1.35 | 1.2 | 1.52 | 1.25 | 6.95E-06 | EPDR1(dist=55307), STARD3NL(dist=170959) | intergenic |
| 1 | 67617594 | C | G | rs12079083 | 5.29E-05 | 0.356 | 0.410 | 0.79 | 0.71 | 0.89 | 1.30E-02 | 0.372 | 0.402 | 0.88 | 0.79 | 0.98 | 0.83 | 7.32E-06 | C1orf141(dist=16940), IL23R(dist=14575) | intergenic |
| 1 | 120553996 | C | T | rs7530844 | 3.63E-05 | 0.215 | 0.157 | 1.47 | 1.27 | 1.69 | 1.61E-02 | 0.320 | 0.233 | 0.99 | 0.87 | 1.12 | 1.33 | 8.32E-06 | NOTCH2 | intronic |
| 5 | 86351817 | A | G | rs10043132 | 3.20E-02 | 0.489 | 0.445 | 1.19 | 1.07 | 1.33 | 1.51E-05 | 0.526 | 0.489 | 1.16 | 1.04 | 1.28 | 1.20 | 8.32E-06 | LOC100505878(dist=306228), MIR4280(dist=58879) | intergenic |
| 2 | 212867845 | G | A | rs5005261 | 1.09E-01 | 0.083 | 0.084 | 0.99 | 0.81 | 1.21 | 2.65E-06 | 0.082 | 0.116 | 0.68 | 0.57 | 0.82 | 0.65 | 8.57E-06 | ERBB4 | intronic |
| 5 | 150596303 | C | T | rs13359932 | 1.01E-05 | 0.230 | 0.288 | 0.74 | 0.65 | 0.84 | 5.00E-02 | 0.238 | 0.248 | 0.95 | 0.84 | 1.07 | 0.80 | 9.06E-06 | CCDC69 | intronic |
| 6 | 31667202 | A | G | rs386525517 | 4.12E-02 | 0.129 | 0.115 | 1.14 | 0.96 | 1.34 | 1.37E-05 | 0.152 | 0.110 | 1.45 | 1.25 | 1.69 | 1.33 | 9.17E-06 | ABHD16A | intronic |
| 6 | 32671845 | A | C | rs71556932;rs148633251 | 5.72E-06 | 0.099 | 0.071 | 1.44 | 1.18 | 1.75 | 9.59E-02 | 0.067 | 0.056 | 1.22 | 0.98 | 1.5 | 1.51 | 9.38E-06 | HLA-DQB1(dist=37379), HLA-DQA2(dist=37318) | intergenic |
| 10 | 64858216 | G | A | rs10995435 | 1.67E-05 | 0.183 | 0.125 | 1.56 | 1.34 | 1.82 | 2.04E-02 | 0.191 | 0.182 | 1.06 | 0.93 | 1.21 | 1.32 | 9.46E-06 | EGR2(dist=279289), NRBF2(dist=34791) | intergenic |
| 9 | 21340786 | C | A | rs10119678 | 2.99E-02 | 0.315 | 0.295 | 1.10 | 0.98 | 1.24 | 3.14E-05 | 0.334 | 0.283 | 1.27 | 1.14 | 1.42 | 1.22 | 9.55E-06 | KLHL9(dist=5357), IFNA6(dist=9531) | intergenic |
| 6 | 42085225 | C | T | rs4579355 | 5.56E-05 | 0.363 | 0.409 | 1.21 | 1.08 | 1.36 | 1.48E-02 | 0.360 | 0.397 | 1.17 | 1.05 | 1.31 | 1.20 | 1.01E-05 | C6orf132 | intronic |
| 1 | 239712161 | A | G | rs1218659 | 3.42E-05 | 0.118 | 0.088 | 1.39 | 1.16 | 1.66 | 3.10E-02 | 0.132 | 0.113 | 1.19 | 1.02 | 1.4 | 1.37 | 1.07E-05 | LINC01139(dist=1062844), CHRM3(dist=80212) | intergenic |
| 19 | 20415185 | A | G | rs75343420 | 6.93E-02 | 0.305 | 0.288 | 1.09 | 0.96 | 1.22 | 7.66E-06 | 0.303 | 0.251 | 1.30 | 1.16 | 1.46 | 1.23 | 1.09E-05 | ZNF486(dist=103886), MIR1270(dist=94896) | intergenic |
| 5 | 5813344 | C | T | rs114394118 | 1.05E-05 | 0.031 | 0.054 | 0.57 | 0.43 | 0.76 | 8.78E-01 | 0.045 | 0.042 | 1.08 | 0.84 | 1.39 | 0.48 | 1.10E-05 | ICE1(dist=322997), FLJ33360(dist=497210) | intergenic |
| 1 | 67619345 | C | G | rs11209007 | 3.83E-05 | 0.379 | 0.437 | 0.79 | 0.7 | 0.88 | 2.16E-02 | 0.399 | 0.426 | 0.90 | 0.81 | 1 | 0.84 | 1.11E-05 | C1orf141(dist=18691), IL23R(dist=12824) | intergenic |
| 1 | 67619259 | T | G | rs11209006 | 3.84E-05 | 0.379 | 0.437 | 0.79 | 0.7 | 0.88 | 2.16E-02 | 0.399 | 0.426 | 0.90 | 0.81 | 1 | 0.84 | 1.11E-05 | C1orf141(dist=18605), IL23R(dist=12910) | intergenic |
| 1 | 156842336 | C | T | rs12132885 | 1.48E-05 | 0.184 | 0.138 | 1.40 | 1.21 | 1.62 | 4.81E-02 | 0.177 | 0.174 | 1.02 | 0.89 | 1.17 | 1.39 | 1.13E-05 | NTRK1 | intronic |
| 9 | 21339969 | C | A | rs12237982 | 5.29E-02 | 0.311 | 0.293 | 1.09 | 0.97 | 1.23 | 1.50E-05 | 0.334 | 0.283 | 1.28 | 1.14 | 1.43 | 1.22 | 1.13E-05 | KLHL9(dist=4540), IFNA6(dist=10348) | intergenic |
| 14 | 77142576 | G | A | rs11626940 | 1.21E-01 | 0.088 | 0.071 | 1.27 | 1.04 | 1.56 | 3.18E-06 | 0.103 | 0.077 | 1.37 | 1.15 | 1.64 | 1.40 | 1.15E-05 | ESRRB(dist=174396), VASH1(dist=85659) | intergenic |
| 5 | 86343998 | G | T | rs2929621 | 1.90E-02 | 0.526 | 0.474 | 0.81 | 0.73 | 0.91 | 6.38E-05 | 0.439 | 0.466 | 0.90 | 0.81 | 0.99 | 0.83 | 1.19E-05 | LOC100505878(dist=298409), MIR4280(dist=66698) | intergenic |
| 13 | 109503016 | A | T | rs7330740 | 9.36E-06 | 0.384 | 0.326 | 0.78 | 0.69 | 0.87 | 1.12E-01 | 0.366 | 0.353 | 0.95 | 0.85 | 1.05 | 0.81 | 1.24E-05 | MYO16 | intronic |
| 21 | 30922000 | G | T | rs9982017 | 9.78E-02 | 0.054 | 0.041 | 0.74 | 0.57 | 0.96 | 4.84E-06 | 0.081 | 0.063 | 0.76 | 0.63 | 0.93 | 0.64 | 1.24E-05 | GRIK1 | intronic |
| 10 | 57156142 | T | C | rs11816346 | 4.88E-05 | 0.034 | 0.058 | 0.56 | 0.43 | 0.74 | 1.71E-02 | 0.032 | 0.042 | 0.76 | 0.57 | 1.01 | 0.63 | 1.25E-05 | PCDH15(dist=595091), MTRNR2L5(dist=202608) | intergenic |
| 7 | 38034057 | A | G | rs7804635 | 1.51E-01 | 0.477 | 0.500 | 1.10 | 0.98 | 1.22 | 8.21E-07 | 0.429 | 0.493 | 1.29 | 1.16 | 1.43 | 1.19 | 1.34E-05 | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 7 | 38036389 | A | G | rs12533160 | 1.83E-01 | 0.481 | 0.502 | 1.09 | 0.98 | -1.21 | 6.61E-07 | 0.434 | 0.498 | 1.29 | 1.16 | -1.43 | 1.19 | 1.65E-05 | EPDR1(dist=44847), STARD3NL(dist=181419) | intergenic |
| 9 | 117111592 | T | C | rs1490744 | 4.08E-02 | 0.203 | 0.210 | 1.05 | 0.91 | -1.2 | 4.95E-05 | 0.196 | 0.253 | 1.38 | 1.22 | -1.57 | 1.23 | 1.67E-05 | AKNA | intronic |
| 17 | 78401588 | G | T | rs8065290 | 7.28E-02 | 0.057 | 0.043 | 0.74 | 0.57 | -0.95 | 1.40E-05 | 0.098 | 0.081 | 0.81 | 0.68 | -0.97 | 0.65 | 1.68E-05 | ENDOV | intronic |
| 1 | 6747516 | A | G | rs156990 | 6.60E-07 | 0.023 | 0.049 | 0.46 | 0.33 | -0.64 | 2.94E-01 | 0.025 | 0.027 | 0.93 | 0.67 | -1.29 | 0.57 | 1.68E-05 | DNAJC11 | intronic |
| 13 | 109502665 | A | G | rs9301328 | 1.40E-05 | 0.387 | 0.330 | 0.78 | 0.7 | -0.87 | 1.14E-01 | 0.369 | 0.357 | 0.95 | 0.85 | -1.05 | 0.81 | 1.71E-05 | MYO16 | intronic |
| 1 | 201493667 | A | G | rs2782576 | 1.44E-05 | 0.143 | 0.112 | 0.75 | 0.64 | -0.89 | 8.47E-02 | 0.136 | 0.123 | 0.89 | 0.76 | -1.04 | 0.71 | 1.74E-05 | RPS10P7(dist=3947), NAV1(dist=123783) | intergenic |
| 7 | 38040027 | T | G | rs2392524 | 1.18E-01 | 0.493 | 0.466 | 1.11 | 1 | -1.24 | 2.52E-06 | 0.544 | 0.484 | 1.27 | 1.15 | -1.41 | 1.19 | 1.75E-05 | EPDR1(dist=48485), STARD3NL(dist=177781) | intergenic |
| 14 | 85111141 | T | C | rs75956164 | 3.17E-06 | 0.013 | 0.032 | 0.40 | 0.27 | -0.62 | 1.43E-01 | 0.018 | 0.022 | 0.83 | 0.57 | -1.22 | 0.52 | 1.80E-05 | NONE(dist=NONE), LINC00911(dist=749082) | intergenic |
| 21 | 16835028 | G | A | rs12626383;rs201766816 | 7.71E-02 | 0.411 | 0.443 | 0.88 | 0.78 | -0.98 | 7.19E-06 | 0.397 | 0.441 | 0.83 | 0.75 | -0.93 | 0.83 | 1.85E-05 | NRIP1(dist=397902), USP25(dist=267316) | intergenic |
| 7 | 38039819 | C | T | rs4517022 | 1.23E-01 | 0.493 | 0.467 | 1.11 | 1 | -1.24 | 2.54E-06 | 0.544 | 0.484 | 1.27 | 1.15 | -1.41 | 1.19 | 1.87E-05 | EPDR1(dist=48277), STARD3NL(dist=177989) | intergenic |
| 6 | 31745518 | A | G | rs707927 | 8.55E-02 | 0.152 | 0.140 | 1.10 | 0.94 | -1.28 | 7.99E-06 | 0.178 | 0.129 | 1.46 | 1.27 | -1.68 | 1.28 | 1.92E-05 | VARS | intronic |
| 13 | 109500374 | C | T | rs1475142 | 1.89E-05 | 0.390 | 0.333 | 0.78 | 0.7 | -0.88 | 1.04E-01 | 0.367 | 0.353 | 0.94 | 0.85 | -1.05 | 0.82 | 1.94E-05 | MYO16 | intronic |
| 7 | 3391771 | T | C | rs12538216 | 4.09E-02 | 0.125 | 0.133 | 0.93 | 0.79 | -1.1 | 3.65E-05 | 0.115 | 0.156 | 0.70 | 0.6 | -0.82 | 0.76 | 1.95E-05 | SDK1 | intronic |
| 7 | 38037534 | A | T | rs4562215 | 1.16E-01 | 0.479 | 0.455 | 1.10 | 0.99 | -1.23 | 3.50E-06 | 0.516 | 0.453 | 1.29 | 1.16 | -1.43 | 1.19 | 1.96E-05 | EPDR1(dist=45992), STARD3NL(dist=180274) | intergenic |
| 6 | 98829593 | C | T | rs149695220 | 2.00E-05 | 0.017 | 0.036 | 0.46 | 0.32 | -0.67 | 5.51E-02 | 0.020 | 0.026 | 0.78 | 0.54 | -1.12 | 0.55 | 1.99E-05 | MIR2113(dist=357098), POU3F2(dist=452987) | intergenic |
| 7 | 38044200 | A | G | rs10951545 | 1.08E-01 | 0.474 | 0.450 | 1.10 | 0.99 | -1.23 | 4.73E-06 | 0.511 | 0.449 | 1.28 | 1.16 | -1.43 | 1.18 | 2.05E-05 | EPDR1(dist=52658), STARD3NL(dist=173608) | intergenic |
| 6 | 32383532 | A | G | rs16870135 | 5.81E-05 | 0.087 | 0.063 | 1.44 | 1.17 | -1.77 | 3.03E-02 | 0.077 | 0.060 | 1.30 | 1.07 | -1.59 | 1.43 | 2.06E-05 | BTNL2(dist=8625), HLA-DRA(dist=24087) | intergenic |
| 16 | 83579209 | C | A | rs34822345 | 6.75E-02 | 0.110 | 0.113 | 0.98 | 0.82 | -1.16 | 2.24E-05 | 0.102 | 0.147 | 0.65 | 0.55 | -0.77 | 0.76 | 2.09E-05 | CDH13 | intronic |
| 11 | 125621696 | T | C | rs516661 | 8.10E-02 | 0.129 | 0.111 | 0.85 | 0.72 | -1 | 1.91E-05 | 0.152 | 0.124 | 0.79 | 0.68 | -0.91 | 0.76 | 2.09E-05 | PATE1(dist=1953), PATE2(dist=24332) | intergenic |
| 19 | 36658594 | G | A | rs73931503 | 1.10E-01 | 0.329 | 0.312 | 1.08 | 0.96 | -1.22 | 4.19E-06 | 0.340 | 0.296 | 1.22 | 1.1 | -1.37 | 1.25 | 2.15E-05 | COX7A1(dist=14823), ZNF565(dist=14368) | intergenic |
| 1 | 239719408 | A | G | rs4659546 | 3.29E-05 | 0.121 | 0.092 | 0.73 | 0.61 | -0.87 | 5.51E-02 | 0.130 | 0.113 | 0.85 | 0.73 | -1 | 0.74 | 2.22E-05 | LINC01139(dist=1070091), CHRM3(dist=72965) | intergenic |
| 7 | 38039300 | A | G | rs6971093 | 1.72E-01 | 0.472 | 0.494 | 1.09 | 0.98 | -1.22 | 1.30E-06 | 0.425 | 0.488 | 1.29 | 1.16 | -1.43 | 1.19 | 2.24E-05 | EPDR1(dist=47758), STARD3NL(dist=178508) | intergenic |
| 21 | 47358577 | A | G | rs4014111 | 3.38E-02 | 0.446 | 0.422 | 1.10 | 0.99 | -1.23 | 6.19E-05 | 0.452 | 0.399 | 1.24 | 1.12 | -1.38 | 1.19 | 2.25E-05 | PCBP3 | intronic |
| 6 | 14765162 | C | T | rs731187 | 8.95E-09 | 0.354 | 0.407 | 0.80 | 0.71 | -0.89 | 5.32E-01 | 0.393 | 0.420 | 0.89 | 0.8 | -0.99 | 0.83 | 2.30E-05 | LINC01108(dist=479477),JARID2(dist=481044) | intergenic |
| 7 | 38034119 | C | T | rs28455667 | 1.66E-01 | 0.471 | 0.493 | 1.09 | 0.98 | -1.22 | 1.54E-06 | 0.426 | 0.488 | 1.29 | 1.16 | -1.43 | 1.18 | 2.35E-05 | EPDR1(dist=42577), STARD3NL(dist=183689) | intergenic |
| 14 | 26621638 | A | G | rs17489782 | 3.22E-01 | 0.030 | 0.021 | 1.43 | 1.01 | -2.02 | 1.99E-06 | 0.054 | 0.038 | 1.43 | 1.13 | -1.82 | 1.69 | 2.43E-05 | STXBP6(dist=1102135),NOVA1(dist=293451) | intergenic |
| 11 | 5439852 | G | A | rs7943412;rs386750168 | 6.32E-02 | 0.354 | 0.342 | 0.95 | 0.85 | -1.07 | 3.35E-05 | 0.389 | 0.330 | 0.77 | 0.69 | -0.86 | 0.83 | 2.45E-05 | OR51B5 | intronic |
| 7 | 38047062 | T | G | rs12534806 | 1.58E-01 | 0.510 | 0.490 | 1.08 | 0.97 | -1.21 | 2.20E-06 | 0.543 | 0.477 | 1.30 | 1.17 | -1.44 | 1.18 | 2.48E-05 | EPDR1(dist=55520), STARD3NL(dist=170746) | intergenic |
| 17 | 78384745 | A | C | rs9900214 | 6.03E-02 | 0.061 | 0.045 | 0.72 | 0.57 | -0.92 | 3.63E-05 | 0.106 | 0.089 | 0.82 | 0.69 | -0.98 | 0.67 | 2.55E-05 | LOC100294362 | ncRNA_intronic |
| 1 | 161873349 | C | T | rs16823450 | 6.49E-05 | 0.019 | 0.038 | 0.50 | 0.35 | -0.71 | 4.03E-02 | 0.020 | 0.027 | 0.75 | 0.53 | -1.08 | 0.58 | 2.55E-05 | ATF6 | intronic |
| 11 | 5439816 | C | G | rs6578643 | 6.61E-02 | 0.352 | 0.340 | 0.95 | 0.85 | -1.07 | 3.34E-05 | 0.387 | 0.327 | 0.77 | 0.69 | -0.86 | 0.83 | 2.55E-05 | OR51B5 | intronic |
| 21 | 41263944 | A | G | rs12627485 | 5.34E-05 | 0.191 | 0.234 | 0.77 | 0.68 | -0.88 | 3.59E-02 | 0.209 | 0.224 | 0.92 | 0.81 | -1.04 | 0.79 | 2.56E-05 | PCP4 | intronic |
| 16 | 83576245 | A | G | rs55710406 | 8.10E-02 | 0.112 | 0.114 | 0.98 | 0.82 | -1.17 | 2.23E-05 | 0.107 | 0.154 | 0.66 | 0.56 | -0.78 | 0.77 | 2.63E-05 | CDH13 | intronic |
| 6 | 110242474 | C | T | rs114711973 | 1.56E-01 | 0.027 | 0.023 | 1.16 | 0.82 | -1.65 | 1.08E-06 | 0.043 | 0.025 | 1.79 | 1.36 | -2.36 | 1.86 | 2.67E-05 | FIG4(dist=95840),GPR6(dist=56985) | intergenic |
| 4 | 189474647 | A | G | rs13132574 | 5.84E-06 | 0.076 | 0.050 | 1.56 | 1.24 | -1.95 | 2.04E-01 | 0.067 | 0.060 | 1.13 | 0.91 | -1.39 | 1.49 | 2.68E-05 | LINC01060 | ncRNA_intronic |
| 21 | 16835352 | T | A | rs60773275 | 1.25E-01 | 0.408 | 0.438 | 0.88 | 0.79 | -0.99 | 4.00E-06 | 0.398 | 0.444 | 0.83 | 0.74 | -0.92 | 0.83 | 2.69E-05 | NRIP1(dist=398226), USP25(dist=266992) | intergenic |
| 21 | 16835276 | A | G | rs57171270 | 1.24E-01 | 0.408 | 0.438 | 0.88 | 0.79 | -0.99 | 4.18E-06 | 0.398 | 0.444 | 0.83 | 0.74 | -0.92 | 0.83 | 2.70E-05 | NRIP1(dist=398150), USP25(dist=267068) | intergenic |
| 17 | 78362300 | A | T | rs6565683 | 4.47E-02 | 0.113 | 0.094 | 0.81 | 0.68 | -0.97 | 3.50E-05 | 0.147 | 0.121 | 0.80 | 0.69 | -0.93 | 0.75 | 2.71E-05 | LOC100294362 | ncRNA_intronic |
| 14 | 77141071 | A | G | rs10483876 | 7.06E-02 | 0.087 | 0.068 | 1.32 | 1.08 | -1.62 | 3.14E-05 | 0.101 | 0.081 | 1.27 | 1.06 | -1.52 | 1.40 | 2.72E-05 | ESRRB(dist=172891), VASH1(dist=87164) | intergenic |
| 6 | 98830236 | G | A | rs141348221 | 3.02E-05 | 0.017 | 0.035 | 0.46 | 0.32 | -0.68 | 5.62E-02 | 0.020 | 0.025 | 0.78 | 0.54 | -1.11 | 0.56 | 2.73E-05 | MIR2113(dist=357741),POU3F2(dist=452344) | intergenic |
| 6 | 32472530 | C | T | rs77294346 | 1.62E-05 | 0.172 | 0.203 | 0.81 | 0.71 | -0.94 | 2.56E-01 | 0.166 | 0.178 | 0.92 | 0.8 | -1.06 | 0.66 | 2.73E-05 | HLA-DRA(dist=59704),HLA-DRB5(dist=12624) | intergenic |
| 7 | 38051483 | A | G | rs10256933 | 1.58E-01 | 0.510 | 0.490 | 1.08 | 0.97 | -1.21 | 2.55E-06 | 0.541 | 0.477 | 1.30 | 1.17 | -1.44 | 1.18 | 2.74E-05 | EPDR1(dist=59941), STARD3NL(dist=166325) | intergenic |
| 7 | 38051586 | C | T | rs10227912 | 1.59E-01 | 0.510 | 0.490 | 1.08 | 0.97 | -1.21 | 2.56E-06 | 0.541 | 0.477 | 1.30 | 1.17 | -1.44 | 1.18 | 2.77E-05 | EPDR1(dist=60044), STARD3NL(dist=166222) | intergenic |
| 19 | 50301844 | T | G | rs7248071 | 1.75E-01 | 0.404 | 0.384 | 1.09 | 0.97 | -1.22 | 6.27E-06 | 0.415 | 0.362 | 1.25 | 1.13 | -1.39 | 1.19 | 2.78E-05 | AP2A1 | intronic |
| 13 | 97664072 | A | G | rs9584468 | 7.54E-02 | 0.072 | 0.061 | 1.19 | 0.95 | -1.48 | 1.59E-05 | 0.080 | 0.052 | 1.58 | 1.29 | -1.93 | 1.43 | 2.78E-05 | OXGR1(dist=17468),LINC00456(dist=160564) | intergenic |
| 4 | 157131416 | T | C | rs148439725 | 3.30E-05 | 0.057 | 0.037 | 1.58 | 1.22 | -2.04 | 3.61E-01 | 0.044 | 0.050 | 0.89 | 0.69 | -1.14 | 2.01 | 2.90E-05 | CTSO(dist=256368),PDGFC(dist=551347) | intergenic |
| 19 | 52785265 | G | A | rs7258893 | 2.40E-01 | 0.036 | 0.030 | 1.19 | 0.87 | -1.61 | 6.11E-06 | 0.053 | 0.033 | 1.63 | 1.28 | -2.09 | 1.72 | 2.90E-05 | ZNF766 | intronic |
| 16 | 7598016 | T | C | rs79310683 | 2.85E-05 | 0.030 | 0.054 | 0.53 | 0.4 | -0.71 | 5.91E-02 | 0.037 | 0.046 | 0.79 | 0.61 | -1.04 | 0.65 | 2.92E-05 | RBFOX1 | intronic |
| 13 | 48110785 | G | A | rs7334231 | 1.10E-06 | 0.074 | 0.119 | 0.59 | 0.48 | -0.71 | 2.64E-01 | 0.090 | 0.092 | 0.98 | 0.82 | -1.17 | 0.74 | 2.98E-05 | HTR2A(dist=639574),LINC00562(dist=393503) | intergenic |
| 7 | 38052934 | C | T | rs7811382 | 1.20E-01 | 0.474 | 0.450 | 1.10 | 0.98 | -1.23 | 6.45E-06 | 0.510 | 0.449 | 1.28 | 1.15 | -1.42 | 1.18 | 3.00E-05 | EPDR1(dist=61392), STARD3NL(dist=164874) | intergenic |
| 14 | 53703764 | T | G | rs61988947 | 6.83E-02 | 0.037 | 0.024 | 1.56 | 1.13 | -2.15 | 5.80E-05 | 0.052 | 0.039 | 1.35 | 1.06 | -1.72 | 1.69 | 3.03E-05 | LOC101927620(dist=79518),MIR5580(dist=711381) | intergenic |
| 14 | 26602893 | C | A | rs72665066 | 4.06E-01 | 0.031 | 0.022 | 1.40 | 1 | -1.97 | 1.72E-06 | 0.053 | 0.037 | 1.45 | 1.14 | -1.85 | 1.69 | 3.04E-05 | STXBP6(dist=1083390),NOVA1(dist=312196) | intergenic |
| 11 | 125621914 | A | C | rs514807 | 1.21E-01 | 0.105 | 0.091 | 0.85 | 0.71 | -1.02 | 1.47E-05 | 0.125 | 0.096 | 0.74 | 0.63 | -0.87 | 0.75 | 3.07E-05 | PATE1(dist=2171),PATE2(dist=24114) | intergenic |
| 1 | 201919674 | C | T | rs2790898 | 5.13E-06 | 0.144 | 0.178 | 0.78 | 0.67 | -0.91 | 1.10E-01 | 0.172 | 0.197 | 0.85 | 0.74 | -0.97 | 0.79 | 3.07E-05 | LMOD1(dist=3958),TIMM17A(dist=4945) | intergenic |
| 13 | 48108188 | G | C | rs57937318 | 1.06E-06 | 0.073 | 0.119 | 0.58 | 0.48 | -0.71 | 2.70E-01 | 0.089 | 0.091 | 0.98 | 0.82 | -1.17 | 0.74 | 3.13E-05 | HTR2A(dist=636977),LINC00562(dist=396100) | intergenic |
| 11 | 125621991 | T | C | rs578915 | 1.23E-01 | 0.105 | 0.091 | 0.85 | 0.71 | -1.02 | 1.47E-05 | 0.125 | 0.096 | 0.74 | 0.63 | -0.87 | 0.75 | 3.13E-05 | PATE1(dist=2248),PATE2(dist=24037) | intergenic |
| 13 | 48107910 | G | A | rs59932879 | 1.04E-06 | 0.073 | 0.119 | 0.58 | 0.48 | | | | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 7 | 78989040 | A | G | rs77292209;rs372478728 | 1.16E-01 | 0.067 | 0.059 | 1.14 | 0.91 | -1.43 | 4.36E-06 | 0.080 | 0.053 | 1.55 | 1.27 | -1.89 | 1.46 | 3.25E-05 | MAGI2 | intronic |
| 14 | 26621962 | G | A | rs17568297 | 7.21E-02 | 0.141 | 0.123 | 1.17 | 1 | -1.37 | 4.00E-05 | 0.158 | 0.126 | 1.31 | 1.13 | -1.51 | 1.30 | 3.30E-05 | STXBP6(dist=1102459), NOVA1(dist=293127) | intergenic |
| 6 | 167532787 | G | A | rs113541954 | 5.61E-02 | 0.059 | 0.074 | 0.78 | 0.63 | -0.98 | 2.39E-05 | 0.036 | 0.057 | 0.62 | 0.47 | -0.81 | 0.68 | 3.31E-05 | CCR6 | intronic |
| 7 | 38043677 | G | A | rs1524053 | 1.18E-01 | 0.480 | 0.456 | 1.10 | 0.99 | -1.23 | 6.57E-06 | 0.514 | 0.454 | 1.27 | 1.14 | -1.41 | 1.18 | 3.40E-05 | EPDR1(dist=52135), STARD3NL(dist=174131) | intergenic |
| 19 | 50304439 | T | C | rs10421754 | 2.39E-01 | 0.411 | 0.393 | 1.08 | 0.96 | -1.2 | 6.85E-06 | 0.428 | 0.376 | 1.24 | 1.12 | -1.38 | 1.20 | 3.44E-05 | AP2A1 | intronic |
| 11 | 5434202 | G | A | rs10734512 | 1.33E-01 | 0.399 | 0.393 | 0.98 | 0.87 | -1.09 | 1.21E-05 | 0.439 | 0.378 | 0.78 | 0.7 | -0.86 | 0.83 | 3.48E-05 | OR51B5 | intronic |
| 13 | 110974330 | A | G | rs72655752 | 2.46E-05 | 0.080 | 0.061 | 1.34 | 1.09 | -1.66 | 7.02E-01 | 0.050 | 0.052 | 0.97 | 0.76 | -1.23 | 1.93 | 3.49E-05 | COL4A2 | intronic |
| 14 | 26615874 | G | C | rs143815414 | 3.72E-01 | 0.029 | 0.021 | 1.41 | 0.99 | -2 | 2.27E-06 | 0.054 | 0.038 | 1.44 | 1.13 | -1.83 | 1.67 | 3.50E-05 | STXBP6(dist=1096371), NOVA1(dist=299215) | intergenic |
| 6 | 167533202 | T | C | rs79568683 | 5.40E-02 | 0.059 | 0.074 | 0.78 | 0.63 | -0.98 | 2.76E-05 | 0.037 | 0.058 | 0.63 | 0.48 | -0.81 | 0.68 | 3.50E-05 | CCR6 | intronic |
| 11 | 5439772 | C | T | rs7925743 | 7.04E-02 | 0.357 | 0.346 | 0.95 | 0.85 | -1.07 | 4.70E-05 | 0.393 | 0.334 | 0.77 | 0.69 | -0.86 | 0.84 | 3.53E-05 | OR51B5 | intronic |
| 7 | 78985139 | G | A | rs7784630 | 1.33E-01 | 0.067 | 0.060 | 1.13 | 0.9 | -1.41 | 3.83E-06 | 0.081 | 0.054 | 1.56 | 1.27 | -1.9 | 1.45 | 3.54E-05 | MAGI2 | intronic |
| 11 | 5436753 | A | T | rs77256782 | 1.48E-01 | 0.392 | 0.387 | 0.98 | 0.87 | -1.09 | 9.76E-06 | 0.434 | 0.372 | 0.77 | 0.69 | -0.86 | 0.83 | 3.61E-05 | OR51B5 | intronic |
| 2 | 18448654 | G | C | rs10206460 | 7.33E-02 | 0.257 | 0.240 | 1.10 | 0.97 | -1.25 | 2.06E-05 | 0.260 | 0.208 | 1.34 | 1.19 | -1.51 | 1.22 | 3.61E-05 | KCNS3(dist=334429), RDH14(dist=287335) | intergenic |
| 14 | 85091516 | A | G | rs187676736 | 6.36E-06 | 0.013 | 0.031 | 0.42 | 0.27 | -0.63 | 1.61E-01 | 0.022 | 0.025 | 0.86 | 0.6 | -1.22 | 0.53 | 3.64E-05 | NONE(dist=NONE), LINC00911(dist=768707) | intergenic |
| 11 | 125621220 | T | C | rs497125 | 1.17E-01 | 0.105 | 0.091 | 0.85 | 0.71 | -1.02 | 2.08E-05 | 0.125 | 0.096 | 0.74 | 0.63 | -0.87 | 0.76 | 3.66E-05 | PATE1(dist=1477), PATE2(dist=24808) | intergenic |
| 11 | 5439962 | G | A | rs2467231 | 6.74E-02 | 0.349 | 0.338 | 0.95 | 0.85 | -1.07 | 5.43E-05 | 0.375 | 0.316 | 0.77 | 0.69 | -1.06 | 0.84 | 3.67E-05 | OR51B5 | intronic |
| 16 | 87835224 | C | G | rs58424110 | 1.83E-05 | 0.318 | 0.260 | 1.33 | 1.18 | -1.5 | 6.35E-01 | 0.358 | 0.376 | 0.93 | 0.83 | -0.83 | 1.40 | 3.73E-05 | LOC102724467(dist=22470), SLC7A5(dist=28405) | intergenic |
| 2 | 46188077 | G | C | rs6728240 | 2.75E-05 | 0.071 | 0.048 | 1.50 | 1.19 | -1.9 | 9.28E-01 | 0.055 | 0.054 | 1.03 | 0.82 | -1.3 | 1.83 | 3.78E-05 | PRKCE | intronic |
| 16 | 7598511 | A | G | rs76208214 | 3.52E-05 | 0.030 | 0.055 | 0.54 | 0.41 | -0.73 | 6.05E-02 | 0.038 | 0.047 | 0.79 | 0.61 | -1.04 | 0.66 | 3.80E-05 | RBFOX1 | intronic |
| 13 | 109501412 | C | G | rs7986961 | 2.02E-05 | 0.392 | 0.335 | 0.78 | 0.7 | -0.87 | 1.67E-01 | 0.378 | 0.367 | 0.95 | 0.85 | -1.06 | 0.82 | 3.83E-05 | MYO16 | intronic |
| 1 | 201915055 | C | T | rs2819370 | 1.78E-05 | 0.171 | 0.208 | 0.79 | 0.68 | -0.91 | 1.41E-01 | 0.202 | 0.223 | 0.88 | 0.77 | -1 | 0.79 | 3.94E-05 | LMOD1 | intronic |
| 17 | 78372834 | T | A | rs4890020 | 6.52E-02 | 0.118 | 0.100 | 0.83 | 0.7 | -0.99 | 2.72E-05 | 0.147 | 0.121 | 0.80 | 0.69 | -0.93 | 0.75 | 3.98E-05 | LOC100294362 | ncRNA_intronic |
| 21 | 16817938 | G | A | rs2823286 | 1.29E-01 | 0.250 | 0.271 | 0.89 | 0.79 | -1.01 | 6.13E-06 | 0.261 | 0.308 | 0.80 | 0.71 | -0.89 | 0.82 | 4.00E-05 | NRIP1(dist=380812), USP25(dist=284406) | intergenic |
| 5 | 86333932 | C | A | rs2410732 | 1.00E-01 | 0.414 | 0.378 | 1.16 | 1.04 | -1.3 | 1.52E-05 | 0.456 | 0.420 | 1.16 | 1.04 | -1.29 | 1.19 | 4.03E-05 | LOC100505878(dist=288343), MIR4280(dist=76764) | intergenic |
| 17 | 78371990 | A | G | rs4890019 | 6.84E-02 | 0.118 | 0.100 | 0.83 | 0.7 | -0.99 | 2.49E-05 | 0.147 | 0.121 | 0.80 | 0.69 | -0.93 | 0.75 | 4.04E-05 | LOC100294362 | ncRNA_intronic |
| 6 | 31492157 | C | G | rs6924459 | 1.11E-01 | 0.448 | 0.461 | 1.05 | 0.94 | -1.18 | 1.62E-05 | 0.419 | 0.486 | 1.31 | 1.18 | -1.45 | 1.18 | 4.15E-05 | MICB(dist=13256), MCCD1(dist=4582) | intergenic |
| 13 | 109501139 | T | G | rs7983596 | 2.18E-05 | 0.390 | 0.333 | 0.78 | 0.7 | -0.87 | 1.72E-01 | 0.377 | 0.365 | 0.95 | 0.86 | -1.06 | 0.82 | 4.16E-05 | MYO16 | intronic |
| 13 | 109501308 | G | A | rs7982866 | 2.18E-05 | 0.390 | 0.333 | 0.78 | 0.7 | -0.87 | 1.73E-01 | 0.377 | 0.365 | 0.95 | 0.86 | -1.06 | 0.82 | 4.18E-05 | MYO16 | intronic |
| 6 | 31493888 | T | A | rs2734574 | 1.13E-01 | 0.448 | 0.461 | 1.05 | 0.94 | -1.17 | 1.57E-05 | 0.419 | 0.485 | 1.31 | 1.18 | -1.45 | 1.18 | 4.19E-05 | MICB(dist=14987), MCCD1(dist=2851) | intergenic |
| 10 | 64477836 | G | A | rs224143 | 9.37E-02 | 0.242 | 0.210 | 0.83 | 0.73 | -0.95 | 3.23E-05 | 0.276 | 0.237 | 0.81 | 0.72 | -0.92 | 0.81 | 4.20E-05 | ZNF365(dist=46065), ADO(dist=86680) | intergenic |
| 1 | 184573082 | G | A | rs210911619 | 3.91E-05 | 0.259 | 0.293 | 1.30 | 1.14 | -1.47 | 6.77E-02 | 0.255 | 0.231 | 1.14 | 1.01 | -1.29 | 1.22 | 4.26E-05 | C1orf21 | intronic |
| 13 | 109500511 | A | G | rs1475141 | 2.28E-05 | 0.391 | 0.334 | 0.78 | 0.7 | -0.88 | 1.67E-01 | 0.372 | 0.361 | 0.95 | 0.85 | -1.06 | 0.82 | 4.29E-05 | MYO16 | intronic |
| 5 | 86360158 | G | T | rs2544694 | 2.12E-01 | 0.313 | 0.334 | 1.10 | 0.98 | -1.24 | 2.45E-06 | 0.277 | 0.324 | 1.25 | 1.12 | -1.41 | 1.20 | 4.31E-05 | LOC100505878(dist=314569), MIR4280(dist=50538) | intergenic |
| 6 | 14767040 | T | A | rs9476656 | 1.01E-07 | 0.414 | 0.461 | 1.21 | 1.08 | -1.35 | 4.93E-01 | 0.525 | 0.492 | 1.14 | 1.03 | -1.27 | 1.19 | 4.43E-05 | LINC01108(dist=481355), JARID2(dist=479166) | intergenic |
| 11 | 5436978 | C | G | rs137890408 | 9.33E-02 | 0.374 | 0.365 | 0.96 | 0.86 | -1.07 | 3.73E-05 | 0.412 | 0.354 | 0.78 | 0.7 | -0.87 | 0.84 | 4.53E-05 | OR51B5 | intronic |
| 5 | 86350878 | A | C | rs7715840 | 1.08E-01 | 0.414 | 0.379 | 1.16 | 1.04 | -1.3 | 1.56E-05 | 0.456 | 0.420 | 1.16 | 1.04 | -1.28 | 1.19 | 4.56E-05 | LOC100505878(dist=305289), MIR4280(dist=59818) | intergenic |
| 7 | 89765561 | T | C | rs39253 | 1.05E-05 | 0.299 | 0.250 | 0.78 | 0.69 | -0.88 | 1.50E-01 | 0.277 | 0.261 | 0.92 | 0.82 | -1.03 | 0.82 | 4.62E-05 | STEAP2-AS1 | ncRNA_intronic |
| 9 | 36138829 | G | T | rs78709825 | 5.96E-06 | 0.078 | 0.055 | 1.47 | 1.18 | -1.83 | 1.61E-01 | 0.068 | 0.056 | 1.21 | 0.98 | -1.5 | 1.47 | 4.69E-05 | GLIPR2 | intronic |
| 10 | 51465920 | G | A | rs4043622 | 1.33E-05 | 0.232 | 0.183 | 1.35 | 1.18 | -1.54 | 5.65E-01 | 0.229 | 0.232 | 0.98 | 0.87 | -1.11 | 1.56 | 4.69E-05 | AGAP7P | ncRNA_exonic |
| 6 | 167541797 | T | C | rs41378350 | 6.45E-02 | 0.059 | 0.073 | 0.79 | 0.63 | -0.98 | 2.82E-05 | 0.036 | 0.057 | 0.63 | 0.48 | -0.82 | 0.69 | 4.74E-05 | CCR6 | intronic |
| 6 | 167542498 | G | A | rs41465451 | 6.51E-02 | 0.057 | 0.071 | 0.79 | 0.63 | -0.99 | 3.15E-05 | 0.036 | 0.056 | 0.63 | 0.48 | -0.82 | 0.68 | 4.75E-05 | CCR6 | intronic |
| 15 | 66227360 | A | G | rs79164400 | 2.17E-01 | 0.078 | 0.064 | 1.24 | 1 | -1.53 | 9.70E-06 | 0.097 | 0.072 | 1.38 | 1.15 | -1.65 | 1.38 | 4.78E-05 | MEGF11 | intronic |
| 1 | 205289282 | G | A | rs73085136 | 1.45E-05 | 0.137 | 0.105 | 1.35 | 1.14 | -1.59 | 1.46E-01 | 0.114 | 0.098 | 1.18 | 1 | -1.39 | 1.31 | 4.79E-05 | NUAK2 | intronic |
| 1 | 1037313 | A | G | rs11260593 | 1.71E-01 | 0.461 | 0.458 | 1.01 | 0.91 | -1.13 | 9.62E-06 | 0.485 | 0.415 | 1.33 | 1.2 | -1.47 | 1.19 | 4.80E-05 | C1orf159 | intronic |
| 5 | 86340997 | C | G | rs2410728 | 1.05E-01 | 0.415 | 0.379 | 1.16 | 1.04 | -1.3 | 1.83E-05 | 0.456 | 0.421 | 1.15 | 1.04 | -1.28 | 1.19 | 4.87E-05 | LOC100505878(dist=295408), MIR4280(dist=69699) | intergenic |
| 4 | 8000943 | C | T | rs34336913 | 5.53E-05 | 0.026 | 0.041 | 0.63 | 0.45 | -0.86 | 2.82E-01 | 0.043 | 0.042 | 1.02 | 0.79 | -1.32 | 0.47 | 4.89E-05 | ABLIM2 | intronic |
| 5 | 86334020 | T | C | rs4269315 | 1.07E-01 | 0.415 | 0.379 | 1.16 | 1.04 | -1.3 | 1.78E-05 | 0.457 | 0.421 | 1.16 | 1.04 | -1.28 | 1.19 | 4.92E-05 | LOC100505878(dist=288431), MIR4280(dist=76676) | intergenic |
| 6 | 142270178 | C | T | rs4632909 | 1.03E-01 | 0.247 | 0.265 | 0.91 | 0.8 | -1.03 | 2.13E-05 | 0.214 | 0.265 | 0.76 | 0.67 | -0.86 | 0.83 | 4.94E-05 | MIR4465(dist=126515), NMBR(dist=126567) | intergenic |
| 17 | 78347664 | A | G | rs4523980 | 5.64E-02 | 0.114 | 0.096 | 0.82 | 0.69 | -0.98 | 5.42E-05 | 0.150 | 0.124 | 0.81 | 0.7 | -0.94 | 0.76 | 5.10E-05 | LOC100294362 | ncRNA_intronic |
| 16 | 7597886 | A | T | rs80029446 | 4.29E-05 | 0.032 | 0.056 | 0.55 | 0.41 | -0.73 | 7.25E-02 | 0.039 | 0.048 | 0.80 | 0.62 | -1.05 | 0.66 | 5.17E-05 | RBFOX1 | intronic |
| 6 | 32178570 | C | T | rs17604492 | 6.34E-05 | 0.087 | 0.062 | 1.44 | 1.17 | -1.77 | 6.27E-02 | 0.073 | 0.057 | 1.29 | 1.05 | -1.59 | 1.39 | 5.33E-05 | NOTCH4 | exonic |
| 17 | 78348494 | A | G | rs6565681 | 6.34E-02 | 0.117 | 0.098 | 0.82 | 0.69 | -0.98 | 4.68E-05 | 0.150 | 0.125 | 0.81 | 0.7 | -0.94 | 0.76 | 5.44E-05 | LOC100294362 | ncRNA_intronic |
| 7 | 113486274 | T | C | rs6976258 | 2.70E-01 | 0.408 | 0.413 | 0.98 | 0.88 | -1.09 | 2.24E-06 | 0.381 | 0.449 | 0.76 | 0.68 | -0.84 | 0.84 | 5.44E-05 | LINC00998(dist=727637), PPP1R3A(dist=30608) | intergenic |
| 19 | 50299408 | T | G | rs2072451 | 9.73E-02 | 0.505 | 0.484 | 1.09 | 0.98 | -1.22 | 4.84E-05 | 0.512 | 0.465 | 1.20 | 1.09 | -1.34 | 1.19 | 5.48E-05 | AP2A1 | intronic |
| 19 | 50305688 | G | C | rs2159984 | 2.02E-01 | 0.412 | 0.392 | 1.09 | 0.97 | -1.22 | 9.09E-06 | 0.424 | 0.373 | 1.24 | 1.11 | -1.37 | 1.18 | 5.49E-05 | AP2A1 | intronic |
| 5 | 86344258 | C | G | rs4289590 | 1.15E-01 | 0.414 | 0.379 | 1.16 | 1.04 | -1.29 | 1.74E-05 | 0.456 | 0.420 | 1.16 | 1.04 | -1.28 | 1.19 | 5.51E-05 | LOC100505878(dist=298669), MIR4280(dist=66438) | intergenic |
| 9 | 74651012 | T | C | rs4744653 | 9.47E-02 | 0.224 | 0.204 | 0.89 | 0.78 | -1.01 | 4.41E-05 | 0.253 | 0.213 | 0.80 | 0.71 | -0.9 | 0.81 | 5.65E-05 | C9orf85(dist=62641), C9orf57(dist=15285) | intergenic |
| 5 | 86349053 | T | C | rs7725587 | 1.26E-01 | 0.415 | 0.380 | 1.15 | 1.03 | -1.29 | 1.55E-05 | 0.456 | 0.420 | 1.16 | 1. | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|----------|-------|----------|--------------|--|----------------|
| 12 | 1631911 | A | G | rs12822405 | 8.18E-02 | 0.200 | 0.182 | 1.12 | 0.97 | -1.28 | 6.43E-05 | 0.242 | 0.211 | 1.19 | 1.05 | -1.35 | 1.27 | 6.28E-05 | LINC00942(dist=18321), FBXL14(dist=43248) | intergenic |
| 11 | 5440763 | C | T | rs1498475 | 9.84E-02 | 0.345 | 0.337 | 0.96 | 0.86 | -1.08 | 5.77E-05 | 0.373 | 0.313 | 0.77 | 0.69 | -0.86 | 0.84 | 6.42E-05 | OR51B5 | intronic |
| 11 | 5440828 | G | T | rs2736593 | 9.85E-02 | 0.345 | 0.337 | 0.96 | 0.86 | -1.08 | 5.77E-05 | 0.373 | 0.313 | 0.77 | 0.69 | -0.86 | 0.84 | 6.42E-05 | OR51B5 | intronic |
| 11 | 5441842 | C | T | rs2736592 | 9.85E-02 | 0.345 | 0.337 | 0.96 | 0.86 | -1.08 | 5.78E-05 | 0.373 | 0.313 | 0.77 | 0.69 | -0.86 | 0.84 | 6.44E-05 | OR51B5 | intronic |
| 11 | 5442129 | A | C | rs2647575 | 9.85E-02 | 0.345 | 0.337 | 0.96 | 0.86 | -1.08 | 5.79E-05 | 0.373 | 0.313 | 0.77 | 0.69 | -0.86 | 0.84 | 6.45E-05 | OR51B5 | intronic |
| 1 | 81084184 | A | G | rs72933061 | 5.53E-05 | 0.119 | 0.091 | 1.35 | 1.13 | -1.61 | 9.98E-02 | 0.108 | 0.093 | 1.19 | 1 - 1.41 | 1.34 | 6.47E-05 | LOC101927412 | ncRNA_intronic | |
| 16 | 7598054 | T | C | rs17144095 | 5.36E-05 | 0.035 | 0.059 | 0.59 | 0.45 | -0.77 | 7.34E-02 | 0.038 | 0.047 | 0.80 | 0.62 | -1.05 | 0.67 | 6.48E-05 | RBFOX1 | intronic |
| 9 | 36138332 | C | G | rs7037771 | 1.02E-05 | 0.075 | 0.050 | 1.55 | 1.24 | -1.95 | 1.84E-01 | 0.067 | 0.056 | 1.21 | 0.98 | -1.49 | 1.44 | 6.49E-05 | GLIPR2 | intronic |
| 6 | 31596675 | A | G | rs2736165 | 1.61E-01 | 0.148 | 0.139 | 1.08 | 0.92 | -1.26 | 1.43E-05 | 0.174 | 0.127 | 1.45 | 1.26 | -1.67 | 1.26 | 6.50E-05 | PRRC2A | intronic |
| 11 | 5434665 | A | G | rs10742671 | 1.14E-01 | 0.351 | 0.343 | 0.97 | 0.86 | -1.08 | 4.83E-05 | 0.377 | 0.317 | 0.77 | 0.69 | -0.86 | 0.84 | 6.89E-05 | OR51B5 | intronic |
| 11 | 5440665 | A | T | rs1498476 | 1.04E-01 | 0.346 | 0.337 | 0.96 | 0.86 | -1.08 | 5.72E-05 | 0.373 | 0.314 | 0.77 | 0.69 | -0.86 | 0.84 | 6.89E-05 | OR51B5 | intronic |
| 6 | 14764738 | G | A | rs747487 | 4.04E-07 | 0.359 | 0.404 | 0.83 | 0.74 | -0.93 | 5.39E-01 | 0.393 | 0.421 | 0.89 | 0.8 | -0.99 | 0.83 | 6.99E-05 | LINC01108(dist=479053), JARID2(dist=481468) | intergenic |
| 8 | 50865341 | T | C | rs11786880 | 6.66E-02 | 0.061 | 0.051 | 1.20 | 0.95 | -1.52 | 5.95E-05 | 0.071 | 0.052 | 1.40 | 1.13 | -1.72 | 1.48 | 7.03E-05 | SNTG1 | intronic |
| 11 | 5440620 | A | G | rs1498477 | 1.00E-01 | 0.347 | 0.338 | 0.96 | 0.86 | -1.08 | 6.36E-05 | 0.374 | 0.315 | 0.77 | 0.69 | -0.86 | 0.85 | 7.05E-05 | OR51B5 | intronic |
| 19 | 3400753 | T | C | rs145253484 | 5.64E-05 | 0.061 | 0.089 | 0.66 | 0.53 | -0.82 | 1.58E-01 | 0.071 | 0.074 | 0.96 | 0.79 | -1.18 | 0.62 | 7.06E-05 | NFIC | intronic |
| 13 | 97665992 | G | T | rs9582096 | 1.07E-01 | 0.071 | 0.061 | 1.18 | 0.95 | -1.47 | 3.86E-05 | 0.082 | 0.054 | 1.56 | 1.28 | -1.9 | 1.39 | 7.06E-05 | OXGR1(dist=19388), LINC00456(dist=158644) | intergenic |
| 1 | 231985633 | T | C | rs6677522 | 1.06E-01 | 0.078 | 0.088 | 1.14 | 0.94 | -1.4 | 4.00E-05 | 0.064 | 0.095 | 1.52 | 1.24 | -1.86 | 1.34 | 7.06E-05 | TSNAX-DISC1 | ncRNA_intronic |
| 11 | 5433603 | G | C | rs7106233 | 1.01E-01 | 0.345 | 0.336 | 0.96 | 0.86 | -1.08 | 6.32E-05 | 0.373 | 0.313 | 0.77 | 0.69 | -0.86 | 0.84 | 7.17E-05 | OR51B5 | intronic |
| 1 | 231985728 | T | C | rs6677638 | 1.08E-01 | 0.076 | 0.086 | 1.15 | 0.94 | -1.41 | 4.01E-05 | 0.064 | 0.095 | 1.52 | 1.24 | -1.86 | 1.34 | 7.18E-05 | TSNAX-DISC1 | ncRNA_intronic |
| 6 | 32483100 | T | G | rs187381944 | 3.72E-05 | 0.102 | 0.128 | 0.78 | 0.65 | -0.92 | 6.27E-02 | 0.123 | 0.143 | 0.84 | 0.72 | -0.99 | 0.73 | 7.18E-05 | HLA-DRA(dist=70274), HLA-DRB5(dist=2054) | intergenic |
| 11 | 5430411 | G | T | rs975116 | 1.11E-01 | 0.373 | 0.365 | 0.97 | 0.86 | -1.08 | 5.67E-05 | 0.407 | 0.343 | 0.76 | 0.68 | -0.85 | 0.85 | 7.30E-05 | OR51B5 | intronic |
| 19 | 3395281 | C | T | rs146964342 | 5.86E-05 | 0.061 | 0.088 | 0.67 | 0.54 | -0.83 | 1.68E-01 | 0.072 | 0.074 | 0.97 | 0.79 | -1.19 | 0.62 | 7.32E-05 | NFIC | intronic |
| 8 | 39046611 | G | A | rs57494041 | 1.43E-01 | 0.094 | 0.087 | 1.08 | 0.9 | -1.31 | 1.77E-05 | 0.114 | 0.081 | 1.45 | 1.23 | -1.72 | 1.36 | 7.37E-05 | ADAM32 | intronic |
| 5 | 86355569 | A | C | rs78189769 | 2.71E-01 | 0.273 | 0.297 | 0.89 | 0.79 | -1 | 2.91E-06 | 0.234 | 0.275 | 0.81 | 0.72 | -0.91 | 0.83 | 7.38E-05 | LOC100505878(dist=309980), MIR4280(dist=55127) | intergenic |
| 21 | 34031856 | C | T | rs845006 | 1.47E-06 | 0.115 | 0.161 | 0.68 | 0.58 | -0.8 | 4.33E-01 | 0.132 | 0.136 | 0.97 | 0.83 | -1.13 | 0.79 | 7.40E-05 | SYNJ1 | intronic |
| 1 | 231987129 | A | G | rs9432014 | 1.11E-01 | 0.075 | 0.086 | 1.15 | 0.94 | -1.41 | 4.11E-05 | 0.064 | 0.094 | 1.52 | 1.23 | -1.86 | 1.34 | 7.59E-05 | TSNAX-DISC1 | ncRNA_intronic |
| 17 | 32566741 | G | A | rs62054927 | 6.39E-05 | 0.080 | 0.056 | 1.46 | 1.17 | -1.81 | 1.04E-01 | 0.073 | 0.067 | 1.10 | 0.9 | -1.34 | 1.50 | 7.61E-05 | LOC101927239(dist=56090), CCL2(dist=15555) | intergenic |
| 6 | 6841568 | G | A | rs7741029 | 6.16E-05 | 0.075 | 0.055 | 1.39 | 1.12 | -1.74 | 7.59E-02 | 0.075 | 0.064 | 1.19 | 0.97 | -1.46 | 1.53 | 7.62E-05 | LY86(dist=186352), RREB1(dist=266262) | intergenic |
| 13 | 97668063 | A | G | rs10161685 | 1.10E-01 | 0.071 | 0.061 | 1.18 | 0.94 | -1.47 | 4.07E-05 | 0.082 | 0.054 | 1.56 | 1.27 | -1.9 | 1.38 | 7.63E-05 | OXGR1(dist=21459), LINC00456(dist=156573) | intergenic |
| 21 | 47363376 | C | T | rs368033 | 8.77E-02 | 0.422 | 0.403 | 1.08 | 0.97 | -1.21 | 6.48E-05 | 0.439 | 0.386 | 1.24 | 1.12 | -1.38 | 1.18 | 7.66E-05 | PCBP3(dist=1008), LOC101928796(dist=29508) | intergenic |
| 19 | 416834 | A | G | rs15971 | 6.13E-05 | 0.277 | 0.330 | 0.78 | 0.69 | -0.87 | 7.29E-01 | 0.317 | 0.306 | 1.05 | 0.94 | -1.18 | 0.76 | 7.66E-05 | SHC2(NM_012435:c.*494T>C) | UTR3 |
| 6 | 3160304 | G | C | rs2736158 | 1.92E-01 | 0.145 | 0.136 | 1.08 | 0.92 | -1.26 | 1.22E-05 | 0.174 | 0.127 | 1.46 | 1.26 | -1.68 | 1.26 | 7.66E-05 | PRRC2A | exonic |
| 11 | 125615464 | C | T | rs489063 | 1.17E-01 | 0.107 | 0.092 | 1.05 | 0.71 | -1.02 | 5.71E-05 | 0.125 | 0.097 | 0.75 | 0.64 | -0.88 | 0.77 | 7.67E-05 | PATE1 | upstream |
| 1 | 1040824 | T | C | rs6656379 | 1.92E-01 | 0.478 | 0.476 | 1.01 | 0.9 | -1.12 | 1.46E-05 | 0.494 | 0.424 | 1.33 | 1.2 | -1.48 | 1.18 | 7.67E-05 | C1orf159 | intronic |
| 10 | 61801020 | T | C | rs2393576 | 3.10E-06 | 0.149 | 0.095 | 1.66 | 1.41 | -1.97 | 1.62E-01 | 0.140 | 0.138 | 1.02 | 0.88 | -1.18 | 1.30 | 7.73E-05 | ANK3 | intronic |
| 19 | 50315423 | G | A | rs8104825 | 2.22E-01 | 0.389 | 0.370 | 1.09 | 0.97 | -1.22 | 1.41E-05 | 0.401 | 0.353 | 1.23 | 1.1 | -1.37 | 1.18 | 7.75E-05 | FUZ | intronic |
| 11 | 125619935 | A | C | rs574676 | 1.10E-01 | 0.105 | 0.090 | 0.85 | 0.7 | -1.02 | 6.06E-05 | 0.124 | 0.097 | 0.76 | 0.65 | -0.89 | 0.77 | 7.80E-05 | PATE1 | downstream |
| 20 | 57962789 | C | T | rs753042 | 5.41E-05 | 0.373 | 0.327 | 0.82 | 0.73 | -0.92 | 4.74E-01 | 0.361 | 0.349 | 0.95 | 0.85 | -1.06 | 0.77 | 7.88E-05 | EDN3(dist=61742), PHACTR3(dist=189775) | intergenic |
| 1 | 25604290 | C | T | rs189106045 | 5.66E-05 | 0.032 | 0.051 | 0.61 | 0.46 | -0.81 | 3.00E-02 | 0.046 | 0.038 | 1.23 | 0.96 | -1.59 | 0.48 | 7.90E-05 | RHD | intronic |
| 6 | 31585692 | A | G | rs2857696 | 2.22E-01 | 0.144 | 0.136 | 1.07 | 0.91 | -1.25 | 8.65E-06 | 0.174 | 0.126 | 1.46 | 1.27 | -1.69 | 1.26 | 7.91E-05 | AIF1 | downstream |
| 11 | 125617467 | G | T | rs495356 | 1.29E-01 | 0.105 | 0.091 | 0.85 | 0.71 | -1.02 | 5.06E-05 | 0.125 | 0.097 | 0.75 | 0.64 | -0.88 | 0.77 | 7.95E-05 | PATE1 | intronic |
| 2 | 18448477 | A | G | rs10195586 | 1.96E-01 | 0.117 | 0.108 | 1.09 | 0.92 | -1.3 | 6.68E-06 | 0.139 | 0.101 | 1.44 | 1.23 | -1.68 | 1.29 | 8.04E-05 | KCNK3(dist=334252), RDH14(dist=287512) | intergenic |
| 1 | 1056715 | C | T | rs7538862 | 2.06E-01 | 0.477 | 0.477 | 1.00 | 0.9 | -1.12 | 1.01E-05 | 0.473 | 0.403 | 1.33 | 1.2 | -1.47 | 1.18 | 8.07E-05 | C1orf159(dist=4979), LINC01342(dist=15682) | intergenic |
| 13 | 48115127 | G | A | rs2406428 | 7.29E-06 | 0.079 | 0.123 | 0.61 | 0.51 | -0.74 | 2.55E-01 | 0.092 | 0.094 | 0.98 | 0.82 | -1.17 | 0.76 | 8.08E-05 | HTR2A(dist=643916), LINC00562(dist=389161) | intergenic |
| 13 | 97675959 | C | T | rs12858533 | 1.15E-01 | 0.071 | 0.061 | 1.17 | 0.94 | -1.46 | 3.71E-05 | 0.081 | 0.054 | 1.56 | 1.27 | -1.9 | 1.39 | 8.10E-05 | OXGR1(dist=29355), LINC00456(dist=148677) | intergenic |
| 8 | 50846956 | G | A | rs74546587 | 1.60E-01 | 0.065 | 0.057 | 1.14 | 0.91 | -1.44 | 1.39E-05 | 0.081 | 0.058 | 1.44 | 1.18 | -1.75 | 1.44 | 8.14E-05 | SNTG1 | intronic |
| 13 | 97672631 | C | G | rs16953799 | 1.15E-01 | 0.071 | 0.061 | 1.17 | 0.94 | -1.46 | 4.05E-05 | 0.081 | 0.054 | 1.56 | 1.27 | -1.9 | 1.38 | 8.15E-05 | OXGR1(dist=26027), LINC00456(dist=152005) | intergenic |
| 16 | 87818569 | A | G | rs6540080 | 4.24E-05 | 0.121 | 0.082 | 1.55 | 1.29 | -1.86 | 9.57E-01 | 0.152 | 0.160 | 0.94 | 0.81 | -1.08 | 1.61 | 8.15E-05 | LOC102724467(dist=5815), SLC7A5(dist=45060) | intergenic |
| 17 | 40489758 | A | G | rs12721583 | 4.98E-01 | 0.085 | 0.077 | 1.11 | 0.91 | -1.35 | 4.96E-06 | 0.088 | 0.057 | 1.61 | 1.32 | -1.95 | 1.37 | 8.16E-05 | STAT3 | intronic |
| 16 | 23371564 | A | C | rs112405666 | 1.29E-05 | 0.135 | 0.173 | 0.75 | 0.64 | -0.87 | 7.98E-01 | 0.144 | 0.135 | 1.08 | 0.93 | -1.25 | 0.65 | 8.25E-05 | SCNN1B | intronic |
| 6 | 5378963 | A | G | rs77354171 | 1.06E-01 | 0.036 | 0.031 | 1.18 | 0.87 | -1.6 | 2.80E-05 | 0.043 | 0.025 | 1.77 | 1.34 | -2.34 | 1.66 | 8.26E-05 | FARS2 | intronic |
| 13 | 97682894 | T | G | rs11069252 | 1.16E-01 | 0.071 | 0.061 | 1.17 | 0.94 | -1.46 | 3.81E-05 | 0.081 | 0.054 | 1.56 | 1.27 | -1.9 | 1.39 | 8.29E-05 | OXGR1(dist=36290), LINC00456(dist=141742) | intergenic |
| 3 | 138132434 | C | T | rs1871516 | 6.12E-06 | 0.440 | 0.381 | 0.78 | 0.7 | -0.87 | 3.53E-01 | 0.401 | 0.390 | 0.95 | 0.86 | -1.06 | 0.85 | 8.33E-05 | MRAS(dist=8057), ESYT3(dist=20981) | intergenic |
| 10 | 64493222 | A | C | rs224050 | 1.14E-01 | 0.240 | 0.209 | 0.84 | 0.73 | -0.95 | 6.05E-05 | 0.272 | 0.235 | 0.82 | 0.73 | -0.92 | 0.82 | 8.39E-05 | ZNF365(dist=61451), ADO(dist=71294) | intergenic |
| 11 | 125614454 | G | C | rs543475 | 1.26E-01 | 0.106 | 0.091 | 0.85 | 0.7 | -1.01 | 5.45E-05 | 0.125 | 0.097 | 0.75 | 0.64 | -0.88 | 0.77 | 8.42E-05 | ACRV1(dist=63661), PATE1(dist=1734) | intergenic |
| 11 | 125616502 | T | A | rs2553829 | 1.28E-01 | 0.106 | 0.091 | 0.85 | 0.71 | -1.02 | 5.50E-05 | 0.125 | 0.097 | 0.75 | 0.64 | -0.88 | 0.77 | 8.47E-05 | PATE1 | intronic |
| 11 | 125614173 | A | G | rs472524 | 1.26E-01 | 0.106 | 0.091 | 0.85 | 0.7 | -1.01 | 5.49E-05 | 0.125 | 0.097 | 0.75 | 0.64 | -0.88 | 0.77 | 8.49E-05 | ACRV1(dist=63380), PATE1(dist=2015) | intergenic |
| 14 | 77151803 | G | T | rs12587318 | 1.37E-01 | 0.152 | 0.137 | 1.13 | 0.97 | -1.32 | 3.91E-05 | 0.162 | 0.128 | 1.32 | 1.14 | -1.52 | 1.26 | 8.52E-05 | ESRR | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|---------------------|
| 14 | 77148101 | G | A | rs12434722 | 1.43E-01 | 0.151 | 0.137 | 1.13 | 0.97 | -1.32 | 3.86E-05 | 0.162 | 0.128 | 1.32 | 1.14 | -1.52 | 1.26 | 8.96E-05 | ESRRB(dist=179921), VASH1(dist=80134) | intergenic |
| 9 | 116104500 | G | A | rs12380548 | 2.48E-05 | 0.013 | 0.025 | 0.51 | 0.33 | -0.79 | 5.51E-02 | 0.036 | 0.050 | 0.72 | 0.55 | -0.94 | 0.61 | 9.00E-05 | WDR31(dist=1880), BSPRY(dist=7312) | intergenic |
| 13 | 97684904 | C | T | rs9584472 | 1.20E-01 | 0.071 | 0.061 | 1.17 | 0.94 | -1.46 | 4.06E-05 | 0.081 | 0.053 | 1.55 | 1.27 | -1.9 | 1.38 | 9.04E-05 | OXGR1(dist=38300), LINC00456(dist=139732) | intergenic |
| 11 | 5434112 | A | G | rs10838064 | 2.11E-01 | 0.424 | 0.422 | 0.99 | 0.89 | -1.1 | 1.59E-05 | 0.456 | 0.394 | 0.78 | 0.7 | -0.86 | 0.84 | 9.04E-05 | OR51B5 | intronic |
| 6 | 31629211 | C | T | rs805261 | 1.52E-01 | 0.126 | 0.117 | 1.09 | 0.92 | -1.29 | 2.63E-05 | 0.152 | 0.109 | 1.46 | 1.26 | -1.7 | 1.28 | 9.06E-05 | GPANK1 | UTR3 |
| 5 | 124302505 | C | T | rs139618815 | 5.11E-06 | 0.085 | 0.126 | 0.65 | 0.54 | -0.78 | 2.90E-01 | 0.105 | 0.109 | 0.96 | 0.81 | -1.14 | 0.76 | 9.07E-05 | ZNF608(dist=221700), LOC101927421(dist=70019) | intergenic |
| 10 | 64492433 | T | A | rs224049;rs386744585 | 1.20E-01 | 0.240 | 0.209 | 0.84 | 0.73 | -0.95 | 6.01E-05 | 0.272 | 0.235 | 0.82 | 0.73 | -0.92 | 0.82 | 9.18E-05 | ZNF365(dist=60662), ADO(dist=72083) | intergenic |
| 6 | 31622893 | T | C | rs805296 | 1.53E-01 | 0.126 | 0.117 | 1.09 | 0.92 | -1.29 | 2.66E-05 | 0.152 | 0.109 | 1.46 | 1.26 | -1.7 | 1.28 | 9.21E-05 | APOM | intronic |
| 6 | 31605167 | G | A | rs2255741 | 2.01E-01 | 0.145 | 0.136 | 1.07 | 0.92 | -1.26 | 1.46E-05 | 0.174 | 0.127 | 1.45 | 1.26 | -1.67 | 1.25 | 9.24E-05 | PRRC2A | intronic |
| 14 | 34675672 | C | T | rs79159781 | 3.65E-05 | 0.119 | 0.087 | 1.42 | 1.19 | -1.7 | 1.24E-01 | 0.123 | 0.114 | 1.09 | 0.93 | -1.28 | 1.33 | 9.28E-05 | EGLN3(dist=255388), SPTSSA(dist=226472) | intergenic |
| 13 | 97692264 | A | G | rs35152259 | 1.26E-01 | 0.070 | 0.061 | 1.17 | 0.94 | -1.45 | 3.79E-05 | 0.081 | 0.054 | 1.55 | 1.27 | -1.9 | 1.38 | 9.37E-05 | OXGR1(dist=45660), LINC00456(dist=132372) | intergenic |
| 17 | 40541534 | A | G | rs45494601 | 1.57E-01 | 0.087 | 0.078 | 1.12 | 0.92 | -1.37 | 7.78E-06 | 0.085 | 0.056 | 1.57 | 1.29 | -1.91 | 1.37 | 9.47E-05 | STAT3(dist=1021), PTRF(dist=12933) | intergenic |
| 1 | 1049950 | A | G | rs12726255 | 2.14E-01 | 0.477 | 0.477 | 1.00 | 0.9 | -1.12 | 1.38E-05 | 0.485 | 0.415 | 1.33 | 1.2 | -1.47 | 1.18 | 9.60E-05 | C1orf159 | intronic |
| 13 | 48115586 | C | G | rs17070273 | 4.73E-05 | 0.113 | 0.158 | 0.67 | 0.57 | -0.79 | 1.34E-01 | 0.120 | 0.123 | 0.97 | 0.83 | -1.14 | 0.78 | 9.72E-05 | HTR2A(dist=644375), LINC00562(dist=388702) | intergenic |
| 5 | 86352991 | T | C | rs7709213 | 1.05E-01 | 0.394 | 0.360 | 1.16 | 1.03 | -1.3 | 5.31E-05 | 0.431 | 0.400 | 1.14 | 1.02 | -1.26 | 1.19 | 9.76E-05 | LOC100505878(dist=307402), MIR4280(dist=57705) | intergenic |
| 9 | 21354655 | C | T | rs616873 | 1.65E-01 | 0.327 | 0.316 | 1.05 | 0.94 | -1.18 | 3.82E-05 | 0.347 | 0.297 | 1.26 | 1.13 | -1.4 | 1.19 | 9.78E-05 | IFNA6(dist=3769), IFNA13(dist=12716) | intergenic |
| 5 | 86357223 | T | G | rs57580217 | 2.82E-01 | 0.276 | 0.300 | 0.89 | 0.79 | -1 | 4.25E-06 | 0.239 | 0.278 | 0.81 | 0.72 | -0.92 | 0.84 | 9.80E-05 | LOC100505878(dist=311634), MIR4280(dist=53473) | intergenic |
| 6 | 31623873 | G | A | rs805264 | 2.23E-01 | 0.145 | 0.137 | 1.07 | 0.91 | -1.25 | 1.27E-05 | 0.174 | 0.126 | 1.46 | 1.26 | -1.68 | 1.25 | 9.91E-05 | APOM | intronic |
| 19 | 50300026 | A | G | rs28413128 | 1.86E-01 | 0.417 | 0.396 | 1.09 | 0.97 | -1.22 | 3.33E-05 | 0.430 | 0.382 | 1.22 | 1.1 | -1.35 | 1.18 | 1.01E-04 | AP2A1 | intronic |
| 6 | 31598293 | G | A | rs2736161 | 2.22E-01 | 0.145 | 0.137 | 1.07 | 0.91 | -1.25 | 1.31E-05 | 0.174 | 0.127 | 1.46 | 1.26 | -1.68 | 1.25 | 1.01E-04 | PRRC2A | intronic |
| 14 | 85141701 | C | T | rs116330927 | 4.67E-05 | 0.014 | 0.030 | 0.48 | 0.32 | -0.72 | 1.45E-01 | 0.018 | 0.021 | 0.85 | 0.58 | -1.25 | 0.52 | 1.02E-04 | NONE(dist=NONE), LINC00911(dist=718522) | intergenic |
| 1 | 1054893 | T | C | rs4970412;rs386627442 | 2.10E-01 | 0.477 | 0.477 | 1.00 | 0.9 | -1.12 | 1.45E-05 | 0.477 | 0.408 | 1.32 | 1.19 | -1.47 | 1.18 | 1.03E-04 | C1orf159(dist=3157), LINC01342(dist=17504) | intergenic |
| 11 | 125609409 | T | A | rs550623 | 1.50E-01 | 0.105 | 0.091 | 0.85 | 0.71 | -1.02 | 5.00E-05 | 0.125 | 0.096 | 0.75 | 0.64 | -0.88 | 0.77 | 1.03E-04 | ACRV1(dist=58616), PATE1(dist=6779) | intergenic |
| 11 | 125609198 | T | C | rs486245 | 1.51E-01 | 0.105 | 0.091 | 0.85 | 0.71 | -1.02 | 5.02E-05 | 0.125 | 0.096 | 0.75 | 0.64 | -0.88 | 0.77 | 1.04E-04 | ACRV1(dist=58405), PATE1(dist=6990) | intergenic |
| 16 | 23371900 | G | T | rs8051071 | 5.53E-05 | 0.164 | 0.203 | 0.77 | 0.67 | -0.89 | 5.54E-01 | 0.172 | 0.161 | 1.09 | 0.95 | -1.25 | 0.67 | 1.04E-04 | SCNN1B | intronic |
| 2 | 201577230 | A | G | rs142065563 | 4.38E-05 | 0.034 | 0.020 | 1.72 | 1.23 | -2.42 | 1.73E-01 | 0.026 | 0.020 | 1.29 | 0.92 | -1.8 | 1.85 | 1.06E-04 | LOC100507140 | ncRNA_exonic |
| 6 | 31644090 | C | G | rs805270 | 2.51E-01 | 0.144 | 0.137 | 1.06 | 0.91 | -1.24 | 1.02E-05 | 0.175 | 0.127 | 1.46 | 1.27 | -1.68 | 1.25 | 1.06E-04 | LY6G5C | downstream |
| 4 | 77746642 | T | C | rs1389249 | 3.10E-05 | 0.224 | 0.175 | 0.74 | 0.64 | -0.85 | 1.84E-01 | 0.218 | 0.213 | 0.97 | 0.86 | -1.1 | 0.82 | 1.06E-04 | SHROOM3(dist=42237), SOWAHD(dist=69440) | intergenic |
| 6 | 31641386 | G | T | rs805272 | 2.51E-01 | 0.144 | 0.137 | 1.06 | 0.91 | -1.24 | 1.03E-05 | 0.175 | 0.127 | 1.46 | 1.27 | -1.68 | 1.25 | 1.06E-04 | LY6G5B(dist=1159), LY6G5C(dist=3075) | intergenic |
| 10 | 55226154 | T | G | rs4935440 | 1.38E-01 | 0.101 | 0.085 | 1.21 | 1.01 | -1.46 | 3.08E-05 | 0.105 | 0.080 | 1.34 | 1.13 | -1.6 | 1.36 | 1.06E-04 | MBL2(dist=694694), PCDH15(dist=336379) | intergenic |
| 1 | 35333126 | T | C | rs12727066 | 1.23E-01 | 0.273 | 0.300 | 0.87 | 0.77 | -0.99 | 3.99E-05 | 0.229 | 0.263 | 0.83 | 0.74 | -0.94 | 0.83 | 1.07E-04 | DLGAP3 | intronic |
| 5 | 86360653 | A | G | rs2974023 | 3.03E-01 | 0.275 | 0.298 | 0.89 | 0.79 | -1.01 | 3.86E-06 | 0.236 | 0.276 | 0.81 | 0.72 | -0.92 | 0.84 | 1.07E-04 | LOC100505878(dist=315064), MIR4280(dist=50043) | intergenic |
| 6 | 31633552 | C | T | rs805258 | 2.39E-01 | 0.144 | 0.136 | 1.07 | 0.91 | -1.25 | 1.14E-05 | 0.172 | 0.125 | 1.46 | 1.26 | -1.68 | 1.25 | 1.08E-04 | GPANK1 | UTR5 |
| 21 | 33996278 | T | C | rs845011 | 1.02E-05 | 0.125 | 0.168 | 0.71 | 0.6 | -0.83 | 2.96E-01 | 0.133 | 0.138 | 0.96 | 0.82 | -1.12 | 0.79 | 1.08E-04 | C21orf59(dist=11360), SYNJ1(dist=4791) | intergenic |
| 11 | 5433900 | G | C | rs7109708 | 1.74E-01 | 0.379 | 0.374 | 0.98 | 0.88 | -1.1 | 3.79E-05 | 0.407 | 0.348 | 0.78 | 0.7 | -0.86 | 0.85 | 1.08E-04 | OR51B5 | intronic |
| 17 | 40523932 | C | T | rs141779413 | 2.40E-01 | 0.090 | 0.084 | 1.09 | 0.9 | -1.32 | 4.95E-06 | 0.098 | 0.065 | 1.56 | 1.3 | -1.88 | 1.34 | 1.08E-04 | STAT3 | intronic |
| 19 | 20404935 | T | C | rs4309516 | 2.19E-01 | 0.287 | 0.280 | 1.04 | 0.92 | -1.17 | 2.15E-05 | 0.299 | 0.247 | 1.30 | 1.16 | -1.46 | 1.20 | 1.09E-04 | ZNF486(dist=93636), MIR1270(dist=105146) | intergenic |
| 10 | 51467783 | G | C | rs61850065 | 3.54E-05 | 0.251 | 0.201 | 1.33 | 1.17 | -1.51 | 9.95E-01 | 0.244 | 0.252 | 0.96 | 0.85 | -1.08 | 1.48 | 1.11E-04 | AGAP7P | ncRNA_intronic |
| 11 | 125605212 | C | T | rs2553841 | 1.58E-01 | 0.105 | 0.091 | 0.86 | 0.71 | -1.03 | 4.95E-05 | 0.124 | 0.096 | 0.75 | 0.64 | -0.88 | 0.77 | 1.11E-04 | ACRV1(dist=54419), PATE1(dist=10976) | intergenic |
| 6 | 31638178 | A | C | rs805268 | 2.48E-01 | 0.145 | 0.137 | 1.06 | 0.91 | -1.25 | 1.14E-05 | 0.176 | 0.128 | 1.45 | 1.26 | -1.67 | 1.25 | 1.12E-04 | LY6G5B;CSNK2B | upstream;downstream |
| 8 | 105390001 | A | G | rs78737380 | 2.63E-05 | 0.055 | 0.036 | 1.55 | 1.19 | -2.01 | 1.09E-01 | 0.055 | 0.044 | 1.27 | 1 | -1.6 | 1.47 | 1.13E-04 | DCSTAMP(dist=21084), DPYS(dist=1651) | intergenic |
| 11 | 125603301 | G | A | rs549994 | 1.60E-01 | 0.105 | 0.091 | 0.86 | 0.71 | -1.03 | 4.94E-05 | 0.124 | 0.096 | 0.75 | 0.64 | -0.88 | 0.77 | 1.14E-04 | ACRV1(dist=52508), PATE1(dist=12887) | intergenic |
| 11 | 125606641 | T | C | rs515840 | 1.64E-01 | 0.105 | 0.091 | 0.86 | 0.71 | -1.03 | 4.86E-05 | 0.125 | 0.097 | 0.75 | 0.64 | -0.88 | 0.77 | 1.17E-04 | ACRV1(dist=55848), PATE1(dist=9547) | intergenic |
| 2 | 74071151 | C | T | rs1036113 | 1.43E-01 | 0.347 | 0.310 | 0.84 | 0.75 | -0.95 | 3.68E-05 | 0.407 | 0.379 | 0.89 | 0.8 | -0.99 | 0.84 | 1.17E-04 | STAMP | intronic |
| 14 | 85308328 | A | G | rs17120306 | 5.62E-06 | 0.049 | 0.032 | 1.55 | 1.18 | -2.05 | 4.09E-01 | 0.029 | 0.026 | 1.14 | 0.84 | -1.56 | 1.77 | 1.17E-04 | NONE(dist=NONE), LINC00911(dist=551895) | intergenic |
| 7 | 38037354 | G | A | rs4257933 | 3.75E-01 | 0.369 | 0.351 | 1.08 | 0.96 | -1.21 | 2.77E-06 | 0.414 | 0.358 | 1.27 | 1.14 | -1.41 | 1.18 | 1.19E-04 | EPDR1(dist=45812), STARD3NL(dist=180454) | intergenic |
| 13 | 48092853 | G | A | rs9595729 | 6.50E-06 | 0.073 | 0.116 | 0.60 | 0.5 | -0.73 | 3.03E-01 | 0.090 | 0.091 | 0.99 | 0.82 | -1.18 | 0.76 | 1.23E-04 | HTR2A(dist=621642), LINC00562(dist=411435) | intergenic |
| 6 | 31492295 | C | T | rs3093989 | 6.18E-05 | 0.187 | 0.226 | 1.27 | 1.11 | -1.45 | 1.03E-01 | 0.205 | 0.228 | 1.14 | 1.01 | -1.3 | 1.22 | 1.25E-04 | MICB(dist=13394), MCCD1(dist=4444) | intergenic |
| 10 | 51463695 | G | A | rs10995905 | 4.04E-05 | 0.186 | 0.142 | 1.38 | 1.19 | -1.6 | 5.32E-01 | 0.182 | 0.186 | 0.97 | 0.85 | -1.11 | 1.60 | 1.25E-04 | TIMM23B | intronic |
| 8 | 50819728 | C | T | rs318850 | 2.84E-01 | 0.433 | 0.436 | 1.01 | 0.91 | -1.13 | 1.07E-05 | 0.456 | 0.385 | 0.75 | 0.67 | -0.83 | 0.85 | 1.26E-04 | C8orf22(dist=831086), SNTG1(dist=2621) | intergenic |
| 19 | 20401367 | T | A | rs11668982 | 2.63E-01 | 0.284 | 0.278 | 1.03 | 0.91 | -1.16 | 1.74E-05 | 0.299 | 0.248 | 1.30 | 1.16 | -1.46 | 1.20 | 1.28E-04 | ZNF486(dist=90068), MIR1270(dist=108714) | intergenic |
| 12 | 66991845 | G | A | rs139411691 | 2.21E-05 | 0.036 | 0.064 | 0.55 | 0.42 | -0.71 | 2.74E-01 | 0.037 | 0.041 | 0.91 | 0.69 | -1.19 | 0.69 | 1.28E-04 | GRIP1 | intronic |
| 5 | 13920898 | T | C | rs6885732 | 1.86E-01 | 0.455 | 0.432 | 0.91 | 0.82 | -1.02 | 2.71E-05 | 0.496 | 0.448 | 0.83 | 0.74 | -0.92 | 0.86 | 1.30E-04 | DNAH5 | intronic |
| 17 | 40543377 | C | T | rs114422057 | 1.69E-01 | 0.075 | 0.067 | 1.13 | 0.91 | -1.39 | 1.92E-05 | 0.080 | 0.052 | 1.59 | 1.3 | -1.95 | 1.37 | 1.30E-04 | STAT3(dist=2864), PTRF(dist=11090) | intergenic |
| 19 | 50315773 | T | A | rs2305918 | 2.39E-01 | 0.393 | 0.373 | 1.09 | 0.97 | -1.22 | 2.55E-05 | 0.405 | 0.359 | 1.21 | 1.09 | -1.35 | 1.18 | 1.33E-04 | FUZ | intergenic |
| 12 | 66990878 | T | C | rs76209224 | 2.33E-05 | 0.036 | 0.064 | 0.55 | 0.42 | -0.71 | 2.75E-01 | 0.037 | 0.041 | 0.91 | 0.69 | -1.19 | 0.69 | 1.33E-04 | GRIP1 | intronic |
| 21 | 34021152 | G | A | rs860942 | 4.55E-06 | 0.115 | 0.158 | 0.69 | 0.59 | -0.81 | 4.18E-01 | 0.130 | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 8 | 50846338 | G | A | rs318874 | 3.71E-01 | 0.434 | 0.441 | 0.97 | 0.87 | -1.09 | 5.55E-06 | 0.464 | 0.391 | 1.35 | 1.22 | -1.5 | 1.17 | 1.40E-04 | SNTG1 | intronic |
| 21 | 34020653 | A | G | rs10470165 | 4.97E-06 | 0.115 | 0.158 | 0.69 | 0.59 | -0.81 | 4.18E-01 | 0.130 | 0.134 | 0.96 | 0.82 | -1.12 | 0.79 | 1.41E-04 | SYNJ1 | intronic |
| 12 | 67000039 | T | C | rs145636250 | 2.51E-05 | 0.036 | 0.065 | 0.55 | 0.42 | -0.71 | 3.06E-01 | 0.036 | 0.039 | 0.91 | 0.69 | -1.21 | 0.69 | 1.42E-04 | GRIP1 | intronic |
| 6 | 142261391 | G | A | rs6920050 | 1.42E-01 | 0.281 | 0.299 | 0.91 | 0.81 | -1.03 | 5.26E-05 | 0.242 | 0.291 | 0.78 | 0.69 | -0.88 | 0.84 | 1.43E-04 | MIR4465(dist=1256371), NMBR(dist=135354) | intergenic |
| 8 | 50826599 | C | G | rs967107 | 3.07E-01 | 0.431 | 0.435 | 1.01 | 0.91 | -1.13 | 1.06E-05 | 0.454 | 0.383 | 0.75 | 0.67 | -0.83 | 0.85 | 1.43E-04 | SNTG1 | intronic |
| 12 | 67000895 | A | G | rs150260273 | 2.53E-05 | 0.036 | 0.065 | 0.55 | 0.42 | -0.71 | 3.06E-01 | 0.036 | 0.039 | 0.91 | 0.69 | -1.21 | 0.69 | 1.43E-04 | GRIP1 | intronic |
| 19 | 50304336 | A | G | rs1003424 | 2.37E-01 | 0.419 | 0.399 | 1.08 | 0.97 | -1.21 | 2.62E-05 | 0.432 | 0.384 | 1.22 | 1.1 | -1.36 | 1.17 | 1.44E-04 | AP2A1 | intronic |
| 7 | 38060438 | A | G | rs7784794 | 4.05E-01 | 0.369 | 0.351 | 1.08 | 0.96 | -1.21 | 2.40E-06 | 0.415 | 0.360 | 1.26 | 1.13 | -1.4 | 1.18 | 1.45E-04 | EPDR1(dist=68896), STARD3NL(dist=157370) | intergenic |
| 3 | 118215541 | A | G | rs7620514 | 2.20E-01 | 0.089 | 0.106 | 0.83 | 0.69 | -1 | 3.67E-05 | 0.071 | 0.099 | 0.69 | 0.57 | -0.85 | 0.77 | 1.47E-04 | LINC00901(dist=1564456), IGSF11(dist=403938) | intergenic |
| 6 | 33574238 | C | T | rs77459368 | 3.71E-06 | 0.016 | 0.032 | 0.50 | 0.34 | -0.74 | 2.69E-01 | 0.034 | 0.042 | 0.81 | 0.61 | -1.06 | 0.59 | 1.49E-04 | LINC00336(dist=13123), ITPR3(dist=14918) | intergenic |
| 8 | 6422996 | G | A | rs56112478 | 1.97E-05 | 0.088 | 0.057 | 1.58 | 1.28 | -1.96 | 2.74E-01 | 0.065 | 0.059 | 1.09 | 0.88 | -1.35 | 1.37 | 1.49E-04 | MCPH1 | intronic |
| 7 | 113507691 | G | A | rs10808174 | 4.80E-01 | 0.479 | 0.477 | 0.99 | 0.89 | -1.11 | 1.80E-06 | 0.517 | 0.451 | 0.77 | 0.69 | -0.85 | 0.85 | 1.50E-04 | LINC00998(dist=749054), PPP1R3A(dist=9191) | intergenic |
| 12 | 67009502 | G | A | rs116507348 | 2.72E-05 | 0.036 | 0.064 | 0.54 | 0.42 | -0.71 | 3.08E-01 | 0.036 | 0.039 | 0.91 | 0.69 | -1.21 | 0.69 | 1.50E-04 | GRIP1 | intronic |
| 12 | 67002567 | C | T | rs148183545 | 2.63E-05 | 0.036 | 0.065 | 0.55 | 0.42 | -0.71 | 3.11E-01 | 0.036 | 0.039 | 0.92 | 0.69 | -1.21 | 0.69 | 1.50E-04 | GRIP1 | intronic |
| 17 | 40496037 | A | G | rs17879738 | 2.62E-01 | 0.091 | 0.085 | 1.08 | 0.89 | -1.31 | 6.27E-06 | 0.099 | 0.067 | 1.54 | 1.29 | -1.85 | 1.34 | 1.50E-04 | STAT3 | intronic |
| 8 | 50823808 | T | C | rs2247368 | 2.98E-01 | 0.431 | 0.435 | 1.01 | 0.91 | -1.13 | 1.26E-05 | 0.453 | 0.382 | 0.75 | 0.67 | -0.83 | 0.85 | 1.51E-04 | SNTG1 | intronic |
| 8 | 50834435 | G | A | rs318861 | 2.81E-01 | 0.427 | 0.430 | 1.01 | 0.91 | -1.13 | 1.26E-05 | 0.456 | 0.386 | 0.75 | 0.68 | -0.83 | 0.85 | 1.52E-04 | SNTG1 | intronic |
| 8 | 50815390 | G | T | rs2449962 | 3.03E-01 | 0.438 | 0.441 | 1.01 | 0.91 | -1.13 | 1.19E-05 | 0.460 | 0.391 | 0.75 | 0.68 | -0.84 | 0.85 | 1.53E-04 | C8orf22(dist=826748), SNTG1(dist=6959) | intergenic |
| 6 | 142245750 | C | T | rs9389955 | 1.66E-01 | 0.284 | 0.302 | 0.92 | 0.81 | -1.04 | 3.96E-05 | 0.244 | 0.294 | 0.78 | 0.69 | -0.88 | 0.85 | 1.53E-04 | MIR4465(dist=1240730), NMBR(dist=150995) | intergenic |
| 21 | 34013779 | A | G | rs28449995 | 5.85E-06 | 0.112 | 0.155 | 0.69 | 0.58 | -0.81 | 4.14E-01 | 0.130 | 0.134 | 0.96 | 0.82 | -1.12 | 0.79 | 1.53E-04 | SYNJ1 | intronic |
| 8 | 50832841 | A | T | rs318858 | 3.72E-01 | 0.437 | 0.443 | 1.03 | 0.92 | -1.14 | 6.67E-06 | 0.463 | 0.390 | 0.74 | 0.67 | -0.82 | 0.85 | 1.53E-04 | SNTG1 | intronic |
| 6 | 142268395 | T | C | rs4486039 | 1.77E-01 | 0.288 | 0.306 | 0.92 | 0.82 | -1.04 | 3.42E-05 | 0.250 | 0.300 | 0.78 | 0.69 | -0.88 | 0.85 | 1.55E-04 | MIR4465(dist=1263375), NMBR(dist=128350) | intergenic |
| 7 | 158015457 | T | C | rs6948273 | 3.43E-01 | 0.284 | 0.280 | 0.98 | 0.87 | -1.11 | 6.33E-06 | 0.269 | 0.330 | 1.34 | 1.19 | -1.51 | 1.19 | 1.58E-04 | PTPRN2 | intronic |
| 6 | 142265773 | A | G | rs2152586 | 1.84E-01 | 0.285 | 0.302 | 0.92 | 0.82 | -1.04 | 3.25E-05 | 0.246 | 0.296 | 0.78 | 0.69 | -0.87 | 0.85 | 1.58E-04 | MIR4465(dist=1260753), NMBR(dist=130972) | intergenic |
| 11 | 5435298 | A | G | rs7396978 | 1.74E-01 | 0.405 | 0.400 | 0.98 | 0.88 | -1.1 | 6.18E-05 | 0.440 | 0.382 | 0.79 | 0.71 | -0.87 | 0.85 | 1.58E-04 | OR51B5 | intronic |
| 6 | 142264851 | T | A | rs9399390 | 1.83E-01 | 0.285 | 0.302 | 0.92 | 0.82 | -1.04 | 3.30E-05 | 0.246 | 0.296 | 0.78 | 0.69 | -0.87 | 0.85 | 1.59E-04 | MIR4465(dist=1259831), NMBR(dist=131894) | intergenic |
| 6 | 142263542 | A | G | rs9373330 | 1.81E-01 | 0.285 | 0.302 | 0.92 | 0.82 | -1.04 | 3.38E-05 | 0.246 | 0.296 | 0.78 | 0.69 | -0.87 | 0.85 | 1.59E-04 | MIR4465(dist=1258522), NMBR(dist=133203) | intergenic |
| 6 | 142259390 | A | G | rs9389957 | 1.71E-01 | 0.285 | 0.303 | 0.92 | 0.82 | -1.04 | 3.87E-05 | 0.247 | 0.296 | 0.78 | 0.69 | -0.88 | 0.85 | 1.59E-04 | MIR4465(dist=1254370), NMBR(dist=137355) | intergenic |
| 16 | 50371463 | T | G | rs11644259 | 5.05E-05 | 0.309 | 0.369 | 0.76 | 0.68 | -0.86 | 1.41E-01 | 0.324 | 0.333 | 0.96 | 0.86 | -1.07 | 0.85 | 1.60E-04 | BRD7 | intronic |
| 6 | 89994698 | C | G | rs9362632 | 2.07E-06 | 0.200 | 0.249 | 0.75 | 0.66 | -0.86 | 5.16E-01 | 0.218 | 0.228 | 0.94 | 0.83 | -1.07 | 0.82 | 1.62E-04 | GABRR2 | intronic |
| 4 | 77747013 | T | C | rs1845259 | 4.33E-05 | 0.226 | 0.178 | 0.74 | 0.65 | -0.85 | 2.07E-01 | 0.222 | 0.217 | 0.97 | 0.86 | -1.1 | 0.82 | 1.62E-04 | SHROOM3(dist=42608), SOWAHD(dist=69069) | intergenic |
| 8 | 38952925 | T | C | rs55985346 | 3.95E-01 | 0.091 | 0.090 | 1.01 | 0.83 | -1.22 | 3.49E-06 | 0.112 | 0.075 | 1.56 | 1.31 | -1.85 | 1.32 | 1.62E-04 | ADAM9 | intronic |
| 12 | 67033773 | C | T | rs116365503 | 3.71E-05 | 0.034 | 0.061 | 0.54 | 0.41 | -0.72 | 2.94E-01 | 0.033 | 0.036 | 0.91 | 0.68 | -1.21 | 0.68 | 1.63E-04 | GRIP1 | intronic |
| 6 | 32519782 | T | A | rs115272081 | 4.38E-05 | 0.091 | 0.113 | 0.78 | 0.65 | -0.94 | 1.14E-01 | 0.113 | 0.130 | 0.85 | 0.72 | -1 | 0.74 | 1.64E-04 | HLA-DRB6 | downstream |
| 11 | 5435475 | G | A | rs10742670 | 2.39E-01 | 0.447 | 0.445 | 0.99 | 0.89 | -1.11 | 2.91E-05 | 0.473 | 0.417 | 0.79 | 0.72 | -0.88 | 0.84 | 1.66E-04 | OR51B5 | intronic |
| 6 | 142262201 | A | T | rs1819569 | 1.84E-01 | 0.285 | 0.302 | 0.92 | 0.82 | -1.04 | 3.57E-05 | 0.246 | 0.296 | 0.78 | 0.69 | -0.87 | 0.85 | 1.67E-04 | MIR4465(dist=1257181), NMBR(dist=134544) | intergenic |
| 6 | 32552953 | C | T | rs116743472 | 2.51E-05 | 0.100 | 0.125 | 0.77 | 0.65 | -0.92 | 1.05E-01 | 0.142 | 0.164 | 0.84 | 0.73 | -0.98 | 0.77 | 1.68E-04 | HLA-DRB1 | intronic |
| 13 | 48089493 | A | C | rs9595727 | 9.06E-06 | 0.073 | 0.115 | 0.61 | 0.5 | -0.74 | 3.25E-01 | 0.090 | 0.091 | 0.99 | 0.83 | -1.19 | 0.76 | 1.68E-04 | HTR2A(dist=618282), LINC00562(dist=414795) | intergenic |
| 19 | 50301545 | G | A | rs7251463 | 1.75E-01 | 0.404 | 0.384 | 1.09 | 0.97 | -1.22 | 3.91E-05 | 0.408 | 0.368 | 1.18 | 1.06 | -1.31 | 1.18 | 1.69E-04 | AP2A1 | intronic |
| 7 | 38032328 | G | T | rs1376262 | 3.88E-01 | 0.470 | 0.453 | 1.07 | 0.96 | -1.2 | 3.29E-06 | 0.539 | 0.480 | 1.26 | 1.14 | -1.4 | 1.16 | 1.71E-04 | EPDR1(dist=40786), STARD3NL(dist=185480) | intergenic |
| 10 | 15456812 | A | G | rs11259648 | 2.90E-01 | 0.112 | 0.101 | 0.89 | 0.75 | -1.06 | 1.45E-05 | 0.123 | 0.093 | 0.73 | 0.62 | -0.86 | 0.77 | 1.71E-04 | FAM171A1(dist=43754), ITGA8(dist=99136) | intergenic |
| 8 | 50829796 | G | T | rs2450287 | 4.05E-01 | 0.439 | 0.445 | 1.03 | 0.92 | -1.15 | 6.10E-06 | 0.464 | 0.391 | 0.74 | 0.67 | -0.82 | 0.85 | 1.72E-04 | SNTG1 | intronic |
| 7 | 9291537 | A | G | rs1852883 | 5.65E-05 | 0.236 | 0.200 | 0.81 | 0.71 | -0.93 | 2.66E-01 | 0.186 | 0.172 | 0.91 | 0.8 | -1.04 | 0.81 | 1.72E-04 | NXPH1(dist=498944), PER4(dist=382363) | intergenic |
| 6 | 31523684 | C | A | rs550585935 | 7.56E-01 | 0.396 | 0.400 | 0.98 | 0.88 | -1.1 | 4.02E-07 | 0.439 | 0.376 | 1.30 | 1.17 | -1.44 | 1.19 | 1.72E-04 | NFKB1L1 | intronic |
| 8 | 50811939 | C | G | rs451437 | 2.79E-01 | 0.434 | 0.437 | 1.01 | 0.91 | -1.13 | 1.84E-05 | 0.454 | 0.385 | 0.75 | 0.68 | -0.84 | 0.85 | 1.74E-04 | C8orf22(dist=823297), SNTG1(dist=10410) | intergenic |
| 6 | 32652392 | A | T | rs17212413 | 8.01E-06 | 0.068 | 0.047 | 1.49 | 1.17 | -1.88 | 4.12E-01 | 0.044 | 0.038 | 1.15 | 0.89 | -1.49 | 1.56 | 1.74E-04 | HLA-DQB1(dist=17926), HLA-DQA2(dist=56771) | intergenic |
| 3 | 118206467 | C | T | rs7631113 | 2.32E-01 | 0.089 | 0.105 | 0.83 | 0.69 | -1 | 4.05E-05 | 0.071 | 0.099 | 0.70 | 0.57 | -0.85 | 0.78 | 1.77E-04 | LINC00901(dist=1555382), IGSF11(dist=413012) | intergenic |
| 17 | 40488661 | C | A | rs17879198 | 2.48E-01 | 0.072 | 0.066 | 1.10 | 0.89 | -1.37 | 9.88E-06 | 0.080 | 0.051 | 1.61 | 1.31 | -1.97 | 1.37 | 1.78E-04 | STAT3 | intronic |
| 1 | 1042483 | C | T | rs12733365 | 2.70E-01 | 0.460 | 0.460 | 1.00 | 0.9 | -1.12 | 2.10E-05 | 0.483 | 0.414 | 1.32 | 1.19 | -1.47 | 1.17 | 1.78E-04 | C1orf159 | intronic |
| 8 | 105388823 | G | A | rs75948267 | 4.99E-05 | 0.056 | 0.037 | 1.53 | 1.18 | -1.99 | 1.28E-01 | 0.056 | 0.045 | 1.25 | 0.99 | -1.57 | 1.45 | 1.79E-04 | DCSTAMP(dist=19906), DPYS(dist=2829) | intergenic |
| 12 | 9855234 | G | T | rs12307886 | 3.05E-01 | 0.089 | 0.086 | 1.04 | 0.86 | -1.27 | 2.11E-05 | 0.113 | 0.079 | 1.50 | 1.26 | -1.78 | 1.31 | 1.82E-04 | MIR4303(dist=166008), SLC9A7P1(dist=292385) | intergenic |
| 5 | 117739303 | C | T | rs58895319 | 2.74E-01 | 0.092 | 0.088 | 1.05 | 0.86 | -1.26 | 1.58E-05 | 0.106 | 0.074 | 1.49 | 1.25 | -1.77 | 1.35 | 1.82E-04 | LOC101927280 | ncRNA_intronic |
| 8 | 6423963 | C | T | rs7833871 | 2.42E-05 | 0.089 | 0.059 | 1.57 | 1.27 | -1.93 | 2.85E-01 | 0.065 | 0.060 | 1.09 | 0.88 | -1.35 | 1.36 | 1.83E-04 | MCPH1 | intronic |
| 8 | 6423978 | A | G | rs7817104 | 2.42E-05 | 0.089 | 0.059 | 1.56 | 1.27 | -1.93 | 2.85E-01 | 0.065 | 0.060 | 1.09 | 0.88 | -1.35 | 1.36 | 1.83E-04 | MCPH1 | intronic |
| 6 | 32552590 | G | C | rs112530924 | 7.33E-06 | 0.118 | 0.149 | 0.77 | 0.65 | -0.9 | 3.47E-01 | 0.119 | 0.127 | 0.92 | 0.79 | -1.08 | 0.76 | 1.84E-04 | HLA-DRB1 | intronic |
| 2 | 60137193 | C | T | rs2194701;rs75398865 | 5.53E-01 | 0.403 | 0.387 | 1.07 | 0.96 | -1.2 | 1.53E-06 | 0.460 | 0.404 | 1.26 | 1.13 | -1.4 | 1.17 | 1.84E-04 | LOC101927285(dist=630658), MIR4432(dist=477304) | intergenic |
| 6 | 33573994 | G | A | rs76108243 | 8.19E-06 | 0.012 | 0.026 | 0.47 | 0.3 | -0.73 | 2.07E-01 | 0.029 | 0.038 | 0.76 | 0.56 | -1.03 | 0.58 | 1.84E-04 | LINC00336(dist=12879), ITPR3(dist=15162) | intergenic |
| 17 | 40494457 | C | T | rs17879513 | 2.40E-01 | 0.073 | 0.066 | 1.11 | 0. | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------------------|----------|-------|-------|--------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 17 | 33273163 | T | C | rs114899415 | 4.34E-07 | 0.053 | 0.090 | 0.57 | 0.45 | -0.71 | 8.99E-01 | 0.061 | 0.060 | 1.02 | 0.82 | -1.27 | 0.73 | 1.91E-04 | CCT6B | intronic |
| 1 | 152157887 | A | G | rs6696576 | 1.73E-01 | 0.123 | 0.108 | 0.87 | 0.73 | -1.03 | 6.19E-05 | 0.137 | 0.107 | 0.76 | 0.65 | -0.89 | 0.78 | 1.91E-04 | RPTN(dist=26183), HRNR(dist=26665) | intergenic |
| 8 | 50833052 | T | A | rs318859 | 2.48E-01 | 0.479 | 0.484 | 1.02 | 0.91 | -1.13 | 2.98E-05 | 0.494 | 0.422 | 0.75 | 0.67 | -0.83 | 0.86 | 1.92E-04 | SNTG1 | intronic |
| 6 | 31515340 | T | A | rs2071592 | 2.10E-01 | 0.503 | 0.497 | 1.02 | 0.92 | -1.14 | 3.99E-05 | 0.535 | 0.472 | 1.29 | 1.16 | -1.43 | 1.16 | 1.94E-04 | NFKB1L1 | intronic |
| 6 | 33574199 | G | A | rs112668322 | 9.10E-06 | 0.013 | 0.026 | 0.48 | 0.31 | -0.74 | 2.06E-01 | 0.030 | 0.039 | 0.76 | 0.57 | -1.03 | 0.58 | 1.94E-04 | LINC00336(dist=13084), ITPR3(dist=14957) | intergenic |
| 13 | 48085819 | C | T | rs74073877 | 9.93E-06 | 0.073 | 0.115 | 0.61 | 0.5 | -0.74 | 3.46E-01 | 0.090 | 0.091 | 0.99 | 0.83 | -1.19 | 0.77 | 1.95E-04 | HTR2A(dist=614608), LINC00562(dist=418469) | intergenic |
| 13 | 109501687 | T | C | rs9587709 | 3.43E-05 | 0.391 | 0.339 | 0.80 | 0.71 | -0.9 | 3.95E-01 | 0.359 | 0.351 | 0.96 | 0.86 | -1.07 | 0.83 | 1.95E-04 | MYO16 | intronic |
| 7 | 37702804 | G | A | rs144964446 | 1.76E-01 | 0.141 | 0.134 | 1.07 | 0.91 | -1.25 | 3.40E-05 | 0.150 | 0.111 | 1.41 | 1.21 | -1.63 | 1.26 | 1.95E-04 | ELMO1(dist=213875), GPR141(dist=77192) | intergenic |
| 8 | 50831539 | G | A | rs2450286 | 2.52E-01 | 0.480 | 0.484 | 1.02 | 0.91 | -1.13 | 2.96E-05 | 0.494 | 0.422 | 0.75 | 0.67 | -0.83 | 0.86 | 1.97E-04 | SNTG1 | intronic |
| 12 | 67022295 | C | T | rs146651389 | 4.87E-05 | 0.036 | 0.063 | 0.56 | 0.43 | -0.73 | 2.83E-01 | 0.036 | 0.039 | 0.91 | 0.69 | -1.2 | 0.69 | 1.99E-04 | GRIP1 | intronic |
| 8 | 50828008 | C | A | rs2450290 | 4.51E-01 | 0.440 | 0.448 | 1.03 | 0.92 | -1.15 | 5.60E-06 | 0.465 | 0.392 | 0.74 | 0.67 | -0.82 | 0.85 | 2.02E-04 | SNTG1 | intronic |
| 2 | 103051558 | T | C | rs4851582 | 2.00E-01 | 0.151 | 0.159 | 0.94 | 0.81 | -1.1 | 4.37E-05 | 0.135 | 0.178 | 0.72 | 0.62 | -0.84 | 0.81 | 2.03E-04 | IL18RAP | intronic |
| 6 | 32492854 | C | A | rs112815145 | 3.09E-05 | 0.057 | 0.074 | 0.75 | 0.6 | -0.94 | 9.74E-02 | 0.087 | 0.104 | 0.82 | 0.69 | -0.99 | 0.70 | 2.04E-04 | HLA-DRB5 | intronic |
| 19 | 20397555 | A | C | rs11085307 | 3.19E-01 | 0.284 | 0.279 | 1.02 | 0.91 | -1.16 | 2.16E-05 | 0.304 | 0.253 | 1.29 | 1.15 | -1.44 | 1.19 | 2.05E-04 | ZNF486(dist=86256), MIR1270(dist=112526) | intergenic |
| 3 | 138130484 | T | C | rs7626349 | 2.33E-05 | 0.476 | 0.425 | 0.81 | 0.73 | -0.91 | 3.48E-01 | 0.435 | 0.420 | 0.94 | 0.85 | -1.04 | 0.86 | 2.08E-04 | MIRAS(dist=6107), ESYT3(dist=22931) | intergenic |
| 2 | 18491824 | A | G | rs10205060 | 1.49E-01 | 0.202 | 0.192 | 1.06 | 0.92 | -1.22 | 3.98E-05 | 0.200 | 0.157 | 1.34 | 1.18 | -1.54 | 1.23 | 2.10E-04 | KCNS3(dist=377599), RDH14(dist=244165) | intergenic |
| 13 | 48124163 | T | G | rs6561391 | 2.76E-05 | 0.086 | 0.129 | 0.64 | 0.53 | -0.77 | 2.82E-01 | 0.096 | 0.097 | 0.99 | 0.83 | -1.18 | 0.77 | 2.13E-04 | HTR2A(dist=652952), LINC00562(dist=380125) | intergenic |
| 5 | 117755812 | G | A | rs78814990 | 3.08E-01 | 0.073 | 0.069 | 1.05 | 0.85 | -1.3 | 1.42E-05 | 0.087 | 0.057 | 1.58 | 1.3 | -1.91 | 1.36 | 2.13E-04 | LOC101927280 | ncRNA_intronic |
| 11 | 125614967 | C | T | rs493654 | 2.23E-01 | 0.109 | 0.096 | 0.87 | 0.73 | -1.05 | 6.00E-05 | 0.129 | 0.100 | 0.76 | 0.64 | -0.89 | 0.78 | 2.14E-04 | ACRV1(dist=64174), PATE1(dist=1221) | intergenic |
| 1 | 231979880 | G | C | rs72760430 | 2.16E-01 | 0.080 | 0.087 | 0.90 | 0.74 | -1.1 | 4.03E-05 | 0.064 | 0.093 | 0.66 | 0.54 | -0.81 | 0.76 | 2.15E-04 | TSNAX-DISC1 | ncRNA_intronic |
| 2 | 236506403 | T | G | rs35898683 | 1.47E-06 | 0.276 | 0.238 | 1.22 | 1.08 | -1.38 | 8.04E-01 | 0.212 | 0.202 | 1.06 | 0.93 | -1.2 | 1.24 | 2.15E-04 | AGAP1 | intronic |
| 5 | 117757644 | G | A | rs114818095 | 3.07E-01 | 0.072 | 0.069 | 1.05 | 0.85 | -1.31 | 1.48E-05 | 0.087 | 0.057 | 1.58 | 1.3 | -1.91 | 1.36 | 2.16E-04 | LOC101927280 | ncRNA_intronic |
| 17 | 78329417 | G | A | rs78230659 | 2.68E-01 | 0.225 | 0.212 | 0.93 | 0.81 | -1.06 | 1.37E-05 | 0.283 | 0.250 | 0.84 | 0.75 | -0.95 | 0.81 | 2.19E-04 | LOC100294362 | ncRNA_intronic |
| 21 | 34030757 | G | A | rs845005 | 1.23E-05 | 0.124 | 0.168 | 0.70 | 0.6 | -0.82 | 4.09E-01 | 0.136 | 0.140 | 0.96 | 0.83 | -1.12 | 0.80 | 2.20E-04 | SYNJ1 | intronic |
| 8 | 50817915 | C | T | rs318854 | 3.23E-01 | 0.438 | 0.442 | 1.02 | 0.91 | -1.13 | 1.77E-05 | 0.460 | 0.391 | 0.75 | 0.68 | -0.84 | 0.85 | 2.20E-04 | C8orf22(dist=829273), SNTG1(dist=4434) | intergenic |
| 6 | 32552954 | A | G | rs114217086 | 3.40E-05 | 0.100 | 0.124 | 0.78 | 0.65 | -0.93 | 1.12E-01 | 0.142 | 0.163 | 0.85 | 0.73 | -0.98 | 0.78 | 2.21E-04 | HLA-DRB1 | intronic |
| 6 | 31562764 | C | T | rs3130632 | 4.62E-01 | 0.434 | 0.437 | 0.99 | 0.89 | -1.11 | 4.97E-06 | 0.466 | 0.395 | 1.34 | 1.21 | -1.49 | 1.16 | 2.21E-04 | NCR3(dist=2002), AIF1(dist=20230) | intergenic |
| 18 | 64975822 | C | A | rs72632203 | 7.63E-06 | 0.266 | 0.325 | 0.75 | 0.67 | -0.85 | 4.18E-01 | 0.298 | 0.306 | 0.97 | 0.86 | -1.08 | 0.85 | 2.23E-04 | MIR5011(dist=226899), DSEL(dist=197997) | intergenic |
| 21 | 34111588 | G | A | rs12626242 | 4.34E-06 | 0.114 | 0.157 | 0.69 | 0.59 | -0.81 | 5.25E-01 | 0.133 | 0.136 | 0.98 | 0.84 | -1.14 | 0.80 | 2.26E-04 | PAXBP1-AS1 | ncRNA_intronic |
| 21 | 34045065 | C | T | rs845025 | 5.49E-06 | 0.113 | 0.156 | 0.69 | 0.58 | -0.81 | 4.96E-01 | 0.134 | 0.137 | 0.97 | 0.84 | -1.13 | 0.80 | 2.27E-04 | SYNJ1 | intronic |
| 8 | 6422931 | G | A | rs56076232 | 2.55E-05 | 0.085 | 0.057 | 1.54 | 1.25 | -1.91 | 2.88E-01 | 0.065 | 0.060 | 1.09 | 0.88 | -1.35 | 1.37 | 2.29E-04 | MCPH1 | intronic |
| 5 | 176153983 | A | C | rs114100222 | 3.15E-05 | 0.069 | 0.045 | 1.56 | 1.23 | -1.98 | 3.46E-01 | 0.048 | 0.043 | 1.12 | 0.87 | -1.43 | 1.45 | 2.30E-04 | TSPAN17(dist=67926), LINC01574(dist=16221) | intergenic |
| 7 | 38039137 | T | C | rs6953285 | 3.11E-01 | 0.447 | 0.430 | 1.07 | 0.96 | -1.2 | 1.41E-05 | 0.487 | 0.430 | 1.26 | 1.13 | -1.4 | 1.16 | 2.31E-04 | EPDR1(dist=47595), STARD3NL(dist=178671) | intergenic |
| 7 | 79025250 | C | T | rs76530656 | 4.45E-01 | 0.037 | 0.033 | 1.11 | 0.83 | -1.49 | 3.22E-06 | 0.053 | 0.032 | 1.69 | 1.31 | -2.16 | 1.56 | 2.32E-04 | MAGI2 | intronic |
| 6 | 31736570 | G | A | rs707933 | 3.03E-01 | 0.100 | 0.095 | 1.06 | 0.88 | -1.28 | 1.76E-05 | 0.122 | 0.083 | 1.54 | 1.3 | -1.82 | 1.29 | 2.32E-04 | VWA7 | intronic |
| 1 | 201915960 | A | C | rs2819372 | 2.20E-05 | 0.179 | 0.212 | 0.81 | 0.7 | -0.93 | 1.89E-01 | 0.191 | 0.212 | 0.88 | 0.77 | -1 | 0.82 | 2.33E-04 | LMOD1 | upstream |
| 7 | 38045232 | A | T | rs62444561 | 2.94E-01 | 0.442 | 0.425 | 1.07 | 0.96 | -1.2 | 1.79E-05 | 0.483 | 0.426 | 1.26 | 1.13 | -1.4 | 1.16 | 2.35E-04 | EPDR1(dist=53690), STARD3NL(dist=172576) | intergenic |
| 7 | 38046029 | A | T | rs9639782 | 2.95E-01 | 0.442 | 0.425 | 1.07 | 0.96 | -1.2 | 1.79E-05 | 0.483 | 0.426 | 1.26 | 1.13 | -1.4 | 1.16 | 2.37E-04 | EPDR1(dist=54487), STARD3NL(dist=171779) | intergenic |
| 2 | 103006387 | A | G | rs4851570 | 3.07E-01 | 0.148 | 0.152 | 0.97 | 0.83 | -1.13 | 2.02E-05 | 0.130 | 0.176 | 0.70 | 0.6 | -0.81 | 0.81 | 2.39E-04 | IL18R1 | intronic |
| 21 | 34016678 | A | C | rs844976 | 1.27E-05 | 0.124 | 0.167 | 0.70 | 0.6 | -0.82 | 4.28E-01 | 0.135 | 0.139 | 0.97 | 0.83 | -1.13 | 0.80 | 2.39E-04 | SYNJ1 | intronic |
| 13 | 48076943 | C | T | rs7331318 | 1.07E-05 | 0.073 | 0.116 | 0.61 | 0.5 | -0.74 | 3.84E-01 | 0.090 | 0.091 | 1.00 | 0.83 | -1.2 | 0.77 | 2.40E-04 | HTR2A(dist=605732), LINC00562(dist=427345) | intergenic |
| 19 | 20397253 | C | T | rs74183971 | 3.46E-01 | 0.284 | 0.280 | 1.02 | 0.9 | -1.15 | 2.23E-05 | 0.304 | 0.254 | 1.29 | 1.15 | -1.44 | 1.19 | 2.40E-04 | ZNF486(dist=85954), MIR1270(dist=112828) | intergenic |
| 7 | 38043899 | C | T | rs10951544 | 2.92E-01 | 0.442 | 0.425 | 1.07 | 0.96 | -1.2 | 1.93E-05 | 0.482 | 0.426 | 1.26 | 1.13 | -1.39 | 1.16 | 2.43E-04 | EPDR1(dist=52357), STARD3NL(dist=173909) | intergenic |
| 2 | 18452130 | T | A | rs10211036 | 2.43E-01 | 0.112 | 0.104 | 1.09 | 0.92 | -1.3 | 2.51E-05 | 0.130 | 0.094 | 1.43 | 1.22 | -1.68 | 1.27 | 2.44E-04 | MIR5011(dist=226899), RDH14(dist=283859) | intergenic |
| 5 | 117758301 | A | G | rs151084222 | 3.02E-01 | 0.071 | 0.068 | 1.05 | 0.85 | -1.31 | 1.96E-05 | 0.085 | 0.056 | 1.58 | 1.29 | -1.92 | 1.36 | 2.46E-04 | LOC101927280 | ncRNA_intronic |
| 21 | 34023423 | C | G | rs1720126 | 1.28E-05 | 0.124 | 0.167 | 0.70 | 0.6 | -0.82 | 4.32E-01 | 0.135 | 0.139 | 0.97 | 0.83 | -1.13 | 0.80 | 2.46E-04 | SYNJ1 | intronic |
| 13 | 47718645 | A | G | rs9534557 | 2.70E-01 | 0.309 | 0.306 | 0.99 | 0.88 | -1.11 | 3.93E-05 | 0.374 | 0.320 | 0.79 | 0.71 | -0.88 | 0.85 | 2.46E-04 | HTR2A(dist=247434), LINC00562(dist=785643) | intergenic |
| 13 | 48070850 | G | T | rs74073872 | 1.23E-05 | 0.073 | 0.115 | 0.61 | 0.5 | -0.74 | 3.77E-01 | 0.090 | 0.091 | 1.00 | 0.83 | -1.2 | 0.77 | 2.50E-04 | HTR2A(dist=599639), LINC00562(dist=433438) | intergenic |
| 6 | 32191822 | G | A | rs8192564 | 5.17E-05 | 0.103 | 0.075 | 1.43 | 1.18 | -1.73 | 2.01E-01 | 0.087 | 0.077 | 1.14 | 0.94 | -1.37 | 1.31 | 2.50E-04 | NOTCH4(NM_004557:c.-117C>T) | UTR5 |
| 12 | 66965158 | T | G | rs146238078 | 4.92E-05 | 0.034 | 0.060 | 0.55 | 0.42 | -0.72 | 3.28E-01 | 0.036 | 0.039 | 0.93 | 0.7 | -1.22 | 0.69 | 2.57E-04 | GRIP1 | intronic |
| 21 | 34096806 | A | G | rs859789 | 6.25E-06 | 0.111 | 0.154 | 0.69 | 0.59 | -0.81 | 4.98E-01 | 0.134 | 0.137 | 0.97 | 0.84 | -1.13 | 0.80 | 2.57E-04 | SYNJ1 | intronic |
| 2 | 18469370 | C | G | rs10201532 | 2.46E-01 | 0.110 | 0.103 | 1.07 | 0.9 | -1.28 | 2.41E-05 | 0.128 | 0.092 | 1.45 | 1.23 | -1.7 | 1.28 | 2.57E-04 | KCNS3(dist=355145), RDH14(dist=266619) | intergenic |
| 2 | 103007567 | C | T | rs17027060 | 3.15E-01 | 0.148 | 0.152 | 0.97 | 0.83 | -1.13 | 2.14E-05 | 0.130 | 0.176 | 0.70 | 0.6 | -0.82 | 0.82 | 2.58E-04 | IL18R1 | intronic |
| 19 | 50308134 | G | C | rs2241040 | 2.71E-01 | 0.421 | 0.403 | 1.08 | 0.96 | -1.2 | 4.84E-05 | 0.433 | 0.386 | 1.21 | 1.09 | -1.35 | 1.16 | 2.60E-04 | AP2A1 | intronic |
| 12 | 16157299 | C | T | rs74063612;rs375830231;rs386760702 | 2.88E-01 | 0.129 | 0.126 | 1.02 | 0.87 | -1.21 | 3.94E-05 | 0.139 | 0.107 | 1.35 | 1.16 | -1.57 | 1.33 | 2.61E-04 | DERA | intronic |
| 17 | 73797775 | C | A | rs11652539 | 3.24E-01 | 0.137 | 0.109 | 1.29 | 1.09 | -1.52 | 2.94E-05 | 0.187 | 0.169 | 1.13 | 0.99 | -1.29 | 1.25 | 2.62E-04 | UNK | intronic |
| 2 | 103029165 | A | T | rs11693955 | 2.97E-01 | 0.148 | 0.152 | 0.97 | 0.83 | -1.13 | 2.57E-05 | 0.128 | 0.174 | 0.70 | 0.6 | -0.81 | 0.82 | 2.63E-04 | IL18R1(dist=13930), IL18RAP(dist=6085) | intergenic |
| 5 | 117742409 | C | T | rs116003810 | 4.12E-01 | 0.065 | 0.063 | 1.04</ | | | | | | | | | | | | |

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|----|-----------|---|---|----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 31605278 | C | T | rs1046756 | 2.48E-01 | 0.132 | 0.125 | 1.07 | 0.91 | -1.26 | 4.85E-05 | 0.160 | 0.117 | 1.44 | 1.24 | -1.67 | 1.25 | 2.75E-04 | PRRC2A | exonic |
| 8 | 50842474 | T | C | rs2628420 | 3.84E-01 | 0.408 | 0.412 | 0.98 | 0.88 | -1.1 | 1.38E-05 | 0.433 | 0.366 | 1.32 | 1.19 | -1.47 | 1.17 | 2.79E-04 | SNTG1 | intronic |
| 5 | 176135270 | G | A | rs4602645 | 3.71E-05 | 0.095 | 0.065 | 1.50 | 1.23 | -1.84 | 3.74E-01 | 0.084 | 0.080 | 1.05 | 0.87 | -1.27 | 1.34 | 2.80E-04 | TSPAN17(dist=49211), LINC01574(dist=34936) | intergenic |
| 1 | 1053670 | G | A | rs4970410 | 3.23E-01 | 0.456 | 0.458 | 0.99 | 0.89 | -1.11 | 2.30E-05 | 0.466 | 0.399 | 1.31 | 1.18 | -1.46 | 1.16 | 2.85E-04 | C1orf159(dist=1934), LINC01342(dist=18727) | intergenic |
| 17 | 40478842 | A | C | rs1142206339 | 2.66E-01 | 0.069 | 0.063 | 1.10 | 0.88 | -1.37 | 2.11E-05 | 0.078 | 0.051 | 1.58 | 1.28 | -1.93 | 1.37 | 2.89E-04 | STAT3 | intronic |
| 1 | 1054076 | C | T | rs11105065 | 3.01E-01 | 0.452 | 0.454 | 0.99 | 0.89 | -1.11 | 2.81E-05 | 0.462 | 0.396 | 1.31 | 1.18 | -1.45 | 1.17 | 2.90E-04 | C1orf159(dist=2340), LINC01342(dist=18321) | intergenic |
| 7 | 38059421 | G | A | rs62444582 | 3.08E-01 | 0.446 | 0.430 | 1.07 | 0.96 | -1.19 | 2.09E-05 | 0.485 | 0.429 | 1.25 | 1.13 | -1.39 | 1.16 | 2.90E-04 | EPDR1(dist=67879), STARD3NL(dist=158387) | intergenic |
| 5 | 176135441 | C | T | rs4277931;rs34894674 | 4.00E-05 | 0.095 | 0.066 | 1.49 | 1.22 | -1.83 | 3.74E-01 | 0.084 | 0.080 | 1.05 | 0.87 | -1.27 | 1.34 | 2.92E-04 | TSPAN17(dist=49382), LINC01574(dist=34765) | intergenic |
| 5 | 176135442 | T | C | rs34894674;rs4352618 | 4.01E-05 | 0.095 | 0.066 | 1.49 | 1.22 | -1.83 | 3.74E-01 | 0.084 | 0.080 | 1.05 | 0.87 | -1.27 | 1.34 | 2.93E-04 | TSPAN17(dist=49383), LINC01574(dist=34764) | intergenic |
| 2 | 103024738 | T | A | rs4851006 | 3.04E-01 | 0.148 | 0.152 | 0.97 | 0.83 | -1.13 | 2.86E-05 | 0.128 | 0.174 | 0.70 | 0.6 | -0.82 | 0.82 | 2.93E-04 | IL18R1(dist=9503), IL18RAP(dist=10512) | intergenic |
| 2 | 103024331 | G | A | rs55883125 | 3.03E-01 | 0.148 | 0.152 | 0.97 | 0.83 | -1.13 | 2.88E-05 | 0.128 | 0.174 | 0.70 | 0.6 | -0.82 | 0.82 | 2.94E-04 | IL18R1(dist=9096), IL18RAP(dist=10919) | intergenic |
| 2 | 103018077 | C | G | rs3732123 | 3.03E-01 | 0.148 | 0.152 | 0.97 | 0.83 | -1.13 | 2.90E-05 | 0.128 | 0.173 | 0.70 | 0.6 | -0.82 | 0.82 | 2.94E-04 | IL18R1(dist=2842), IL18RAP(dist=17173) | intergenic |
| 2 | 18459548 | C | G | rs9808223 | 1.97E-01 | 0.116 | 0.107 | 1.10 | 0.92 | -1.3 | 5.74E-05 | 0.132 | 0.098 | 1.41 | 1.2 | -1.65 | 1.27 | 2.95E-04 | KCNS3(dist=345323), RDH14(dist=276441) | intergenic |
| 17 | 40513631 | C | T | rs75059447 | 3.06E-01 | 0.075 | 0.069 | 1.08 | 0.88 | -1.34 | 1.53E-05 | 0.080 | 0.052 | 1.60 | 1.31 | -1.96 | 1.35 | 2.95E-04 | STAT3 | intronic |
| 5 | 176135490 | G | A | rs4632815 | 4.11E-05 | 0.095 | 0.066 | 1.49 | 1.22 | -1.83 | 3.74E-01 | 0.084 | 0.080 | 1.05 | 0.87 | -1.27 | 1.34 | 2.96E-04 | TSPAN17(dist=49431), LINC01574(dist=34716) | intergenic |
| 7 | 38028548 | C | T | rs10234987 | 3.32E-01 | 0.445 | 0.429 | 1.07 | 0.96 | -1.19 | 1.73E-05 | 0.484 | 0.428 | 1.25 | 1.13 | -1.39 | 1.16 | 2.98E-04 | EPDR1(dist=37006), STARD3NL(dist=189260) | intergenic |
| 13 | 48067790 | G | A | rs111454897 | 1.80E-05 | 0.073 | 0.114 | 0.61 | 0.5 | -0.74 | 3.72E-01 | 0.090 | 0.091 | 1.00 | 0.83 | -1.2 | 0.77 | 3.02E-04 | HTR2A(dist=596579), LINC00562(dist=436498) | intergenic |
| 6 | 31628113 | A | C | rs805263 | 2.67E-01 | 0.132 | 0.125 | 1.07 | 0.91 | -1.25 | 4.68E-05 | 0.160 | 0.117 | 1.44 | 1.24 | -1.67 | 1.24 | 3.02E-04 | C6orf47(NM_021184:c.-389T>G) | UTR5 |
| 1 | 159936733 | T | G | rs1934073 | 3.91E-01 | 0.130 | 0.108 | 1.23 | 1.04 | -1.46 | 2.02E-05 | 0.155 | 0.141 | 1.12 | 0.97 | -1.29 | 1.35 | 3.04E-04 | LINC01133 | ncRNA_intronic |
| 5 | 117748902 | C | G | rs7714378 | 3.31E-01 | 0.071 | 0.068 | 1.05 | 0.85 | -1.3 | 2.17E-05 | 0.085 | 0.056 | 1.57 | 1.29 | -1.91 | 1.35 | 3.04E-04 | LOC101927280 | ncRNA_intronic |
| 9 | 122547002 | A | T | rs2781106 | 6.36E-05 | 0.316 | 0.278 | 0.84 | 0.74 | -0.94 | 2.34E-01 | 0.281 | 0.255 | 0.88 | 0.78 | -0.98 | 0.84 | 3.06E-04 | BRINP1(dist=415263), MIR147A(dist=460255) | intergenic |
| 21 | 34006917 | T | G | rs844985 | 1.63E-05 | 0.117 | 0.158 | 0.71 | 0.6 | -0.83 | 4.31E-01 | 0.133 | 0.137 | 0.97 | 0.83 | -1.13 | 0.80 | 3.07E-04 | SYNJ1 | intronic |
| 5 | 75934732 | A | G | rs114790677 | 4.88E-05 | 0.039 | 0.065 | 0.58 | 0.45 | -0.75 | 4.15E-01 | 0.042 | 0.043 | 0.97 | 0.75 | -1.26 | 0.70 | 3.07E-04 | IQGAP2 | intronic |
| 5 | 75936590 | A | G | rs75188974 | 5.55E-05 | 0.038 | 0.063 | 0.58 | 0.44 | -0.75 | 3.86E-01 | 0.041 | 0.042 | 0.96 | 0.74 | -1.25 | 0.70 | 3.07E-04 | IQGAP2 | intronic |
| 21 | 34000493 | T | C | rs845023 | 1.67E-05 | 0.131 | 0.173 | 0.72 | 0.62 | -0.84 | 4.25E-01 | 0.138 | 0.141 | 0.97 | 0.84 | -1.13 | 0.81 | 3.08E-04 | SYNJ1 | downstream |
| 6 | 14751273 | G | A | rs56075841 | 4.10E-05 | 0.098 | 0.074 | 1.36 | 1.12 | -1.65 | 3.23E-01 | 0.082 | 0.072 | 1.16 | 0.96 | -1.41 | 1.33 | 3.10E-04 | LINC01108(dist=465588), JARID2(dist=494933) | intergenic |
| 13 | 48069603 | C | T | rs59746857 | 4.30E-05 | 0.085 | 0.124 | 0.65 | 0.54 | -0.79 | 2.70E-01 | 0.103 | 0.103 | 0.99 | 0.84 | -1.18 | 0.78 | 3.11E-04 | HTR2A(dist=598392), LINC00562(dist=434685) | intergenic |
| 13 | 48065294 | T | A | rs9595725 | 1.92E-05 | 0.073 | 0.114 | 0.61 | 0.5 | -0.74 | 3.71E-01 | 0.090 | 0.091 | 1.00 | 0.83 | -1.2 | 0.77 | 3.15E-04 | HTR2A(dist=594083), LINC00562(dist=438994) | intergenic |
| 17 | 74826031 | G | A | rs78559224 | 5.42E-05 | 0.096 | 0.134 | 0.69 | 0.57 | -0.82 | 4.74E-01 | 0.096 | 0.097 | 1.00 | 0.84 | -1.19 | 0.76 | 3.16E-04 | LOC101928514(dist=22847), MGAT5B(dist=38767) | intergenic |
| 7 | 38050493 | C | T | rs62444562 | 3.17E-01 | 0.450 | 0.434 | 1.07 | 0.96 | -1.19 | 2.32E-05 | 0.488 | 0.432 | 1.25 | 1.13 | -1.39 | 1.16 | 3.16E-04 | EPDR1(dist=58951), STARD3NL(dist=167315) | intergenic |
| 2 | 103047802 | C | T | rs66566526 | 3.16E-01 | 0.149 | 0.153 | 0.97 | 0.83 | -1.13 | 3.02E-05 | 0.129 | 0.174 | 0.70 | 0.61 | -0.82 | 0.82 | 3.21E-04 | IL18RAP | intronic |
| 2 | 103014302 | T | G | rs1135354 | 3.27E-01 | 0.148 | 0.152 | 0.97 | 0.83 | -1.13 | 2.78E-05 | 0.128 | 0.174 | 0.70 | 0.6 | -0.82 | 0.82 | 3.23E-04 | IL18R1 | UTR3 |
| 15 | 87389585 | T | G | rs8040377 | 3.86E-05 | 0.462 | 0.514 | 1.23 | 1.1 | -1.37 | 3.44E-01 | 0.475 | 0.493 | 1.07 | 0.97 | -1.19 | 1.15 | 3.26E-04 | AGBL1 | intronic |
| 1 | 1044424 | T | C | rs57107904 | 3.11E-01 | 0.412 | 0.411 | 1.00 | 0.9 | -1.12 | 2.85E-05 | 0.423 | 0.363 | 1.29 | 1.16 | -1.43 | 1.18 | 3.26E-04 | C1orf159 | intronic |
| 2 | 103015918 | C | T | rs17027087 | 3.29E-01 | 0.148 | 0.152 | 0.97 | 0.83 | -1.13 | 2.75E-05 | 0.128 | 0.174 | 0.70 | 0.6 | -0.82 | 0.82 | 3.27E-04 | IL18R1 | downstream |
| 7 | 38057364 | G | T | rs9691201 | 3.03E-01 | 0.442 | 0.425 | 1.07 | 0.96 | -1.2 | 2.80E-05 | 0.481 | 0.426 | 1.25 | 1.13 | -1.39 | 1.16 | 3.28E-04 | EPDR1(dist=65822), STARD3NL(dist=160444) | intergenic |
| 20 | 8695719 | T | C | rs6140701 | 5.85E-05 | 0.232 | 0.284 | 0.76 | 0.67 | -0.86 | 2.14E-01 | 0.248 | 0.255 | 0.96 | 0.85 | -1.08 | 0.85 | 3.29E-04 | PLCB1 | intronic |
| 13 | 48103182 | G | T | rs115257045 | 5.60E-05 | 0.099 | 0.141 | 0.67 | 0.56 | -0.79 | 2.62E-01 | 0.109 | 0.110 | 0.99 | 0.84 | -1.17 | 0.79 | 3.30E-04 | HTR2A(dist=631971), LINC00562(dist=401106) | intergenic |
| 4 | 122577435 | G | T | rs10002413 | 4.62E-05 | 0.296 | 0.255 | 1.23 | 1.08 | -1.38 | 3.09E-01 | 0.271 | 0.255 | 1.09 | 0.97 | -1.22 | 1.20 | 3.31E-04 | QRFPFR(dist=275254), ANXA5(dist=11717) | intergenic |
| 13 | 48060638 | C | G | rs74073868 | 2.08E-05 | 0.072 | 0.113 | 0.61 | 0.5 | -0.74 | 3.72E-01 | 0.090 | 0.091 | 1.00 | 0.83 | -1.2 | 0.77 | 3.31E-04 | HTR2A(dist=589427), LINC00562(dist=443650) | intergenic |
| 18 | 69232198 | A | G | rs17084699 | 3.37E-01 | 0.043 | 0.041 | 1.06 | 0.8 | -1.39 | 2.35E-05 | 0.049 | 0.030 | 1.64 | 1.27 | -2.13 | 1.53 | 3.33E-04 | LINC01541 | ncRNA_intronic |
| 21 | 34121855 | T | C | rs9981311 | 9.18E-06 | 0.115 | 0.157 | 0.70 | 0.59 | -0.82 | 5.27E-01 | 0.133 | 0.136 | 0.98 | 0.84 | -1.14 | 0.80 | 3.34E-04 | PAXBP1 | intronic |
| 5 | 133654200 | G | A | rs114954542 | 5.80E-05 | 0.033 | 0.056 | 0.57 | 0.43 | -0.75 | 3.63E-01 | 0.042 | 0.043 | 0.97 | 0.75 | -1.26 | 0.67 | 3.35E-04 | CDKL3 | intronic |
| 6 | 29446855 | C | T | rs11963957 | 4.94E-01 | 0.129 | 0.126 | 1.03 | 0.87 | -1.21 | 7.92E-06 | 0.156 | 0.111 | 1.49 | 1.28 | -1.72 | 1.25 | 3.39E-04 | OR2H1(dist=14756), MAS1L(dist=7688) | intergenic |
| 3 | 64033043 | C | T | rs42456 | 4.64E-01 | 0.365 | 0.361 | 0.98 | 0.88 | -1.1 | 1.62E-05 | 0.409 | 0.358 | 0.81 | 0.73 | -0.9 | 0.86 | 3.42E-04 | PSMD6(dist=23357), PRICKLE2-AS1(dist=20597) | intergenic |
| 17 | 73784214 | G | A | rs12600868 | 3.57E-01 | 0.149 | 0.121 | 1.27 | 1.08 | -1.49 | 3.53E-05 | 0.204 | 0.186 | 1.12 | 0.99 | -1.28 | 1.23 | 3.43E-04 | UNK | intronic |
| 10 | 60209837 | G | C | rs1030433 | 2.88E-01 | 0.158 | 0.146 | 0.91 | 0.78 | -1.06 | 6.45E-05 | 0.202 | 0.169 | 0.80 | 0.7 | -0.91 | 0.81 | 3.44E-04 | TFAM(dist=50847), BICC1(dist=63067) | intergenic |
| 7 | 93057603 | T | C | rs4729090 | 2.69E-01 | 0.080 | 0.076 | 1.06 | 0.87 | -1.3 | 4.39E-05 | 0.092 | 0.064 | 1.49 | 1.24 | -1.8 | 1.32 | 3.46E-04 | CALCR | intronic |
| 8 | 38909156 | G | A | rs73674693 | 6.23E-01 | 0.082 | 0.084 | 0.98 | 0.8 | -1.19 | 2.75E-06 | 0.111 | 0.074 | 1.57 | 1.32 | -1.87 | 1.30 | 3.47E-04 | ADAM9 | intronic |
| 19 | 36866498 | T | C | rs12971694 | 4.56E-01 | 0.249 | 0.255 | 1.03 | 0.91 | -1.17 | 2.06E-05 | 0.253 | 0.304 | 1.29 | 1.15 | -1.45 | 1.18 | 3.48E-04 | ZFP14 | intronic |
| 15 | 89841719 | T | G | rs60942503 | 2.75E-01 | 0.042 | 0.038 | 1.11 | 0.84 | -1.47 | 4.56E-05 | 0.051 | 0.031 | 1.68 | 1.31 | -2.17 | 1.47 | 3.48E-04 | FANCI | intronic |
| 13 | 48120358 | G | A | rs55833859 | 5.39E-05 | 0.086 | 0.127 | 0.64 | 0.54 | -0.77 | 3.02E-01 | 0.095 | 0.096 | 0.99 | 0.83 | -1.18 | 0.78 | 3.51E-04 | HTR2A(dist=649147), LINC00562(dist=383930) | intergenic |
| 6 | 32511082 | C | T | rs188570958 | 4.21E-05 | 0.109 | 0.134 | 0.79 | 0.66 | -0.93 | 1.78E-01 | 0.150 | 0.169 | 0.87 | 0.75 | -1 | 0.78 | 3.52E-04 | HLA-DRB5(dist=13076), HLA-DRB6(dist=9408) | intergenic |
| 7 | 153922382 | G | A | rs73487458 | 1.84E-06 | 0.116 | 0.083 | 1.45 | 1.21 | -1.74 | 9.83E-01 | 0.094 | 0.091 | 1.04 | 0.87 | -1.25 | 1.31 | 3.52E-04 | DPP6 | intronic |
| 10 | 87542984 | C | T | rs77743807 | 2.49E-05 | 0.083 | 0.114 | 0.70 | 0.58 | -0.85 | 2.56E-01 | 0.077 | 0.086 | 0.89 | 0.74 | -1.08 | 0.77 | 3.53E-04 | GRID1 | intronic |
| 12 | 59157252 | C | T | rs1497237 | 2.59E-01 | 0.165 | 0.145 | 1.16 | 1 | -1.35 | 5.12E-05 | 0.179 | 0.161 | 1.13 | 0.99 | -1.3 | 1.27 | 3.54E-04 | LOC100506869, LOC101927653 | ncRNA_intronic |
| 7 | 79028914 | G | C | rs77157421 | 3.96E-01 | 0.073 | 0.070 | 1.05 | 0.85 | -1.3 | 1.01E-05 | 0.094 | 0.065 | 1.50 | 1.24 | -1.8 | 1.34 | 3.58E-04 | MAGI2 | intronic |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 21 | 34038983 | A | G | rs844998 | 1.23E-05 | 0.125 | 0.169 | 0.70 | 0.6 | -0.82 | 5.23E-01 | 0.140 | 0.142 | 0.98 | 0.84 | -1.14 | 0.81 | 3.71E-04 | SYNJ1 | intronic |
| 7 | 93058685 | G | A | rs17165396 | 3.24E-01 | 0.069 | 0.066 | 1.06 | 0.85 | -1.31 | 3.20E-05 | 0.086 | 0.059 | 1.51 | 1.24 | -1.83 | 1.34 | 3.73E-04 | CALCR | intronic |
| 1 | 152147305 | C | A | rs6667458 | 2.28E-01 | 0.121 | 0.108 | 0.87 | 0.73 | -1.03 | 5.00E-05 | 0.139 | 0.112 | 0.78 | 0.67 | -0.91 | 0.79 | 3.75E-04 | RPTN(dist=15601), HRNR(dist=37247) | intergenic |
| 20 | 30549557 | G | C | rs116599319 | 2.27E-01 | 0.029 | 0.026 | 1.13 | 0.81 | -1.57 | 5.52E-05 | 0.039 | 0.023 | 1.74 | 1.3 | -2.32 | 1.64 | 3.75E-04 | PDG1(dist=9674), XKR7(dist=6248) | intergenic |
| 1 | 90073167 | T | C | rs1215546 | 3.97E-05 | 0.517 | 0.446 | 0.75 | 0.67 | -0.84 | 3.42E-01 | 0.488 | 0.483 | 1.02 | 0.92 | -1.13 | 0.86 | 3.75E-04 | LRRC8B(dist=9747), FLJ27354(dist=17241) | intergenic |
| 6 | 29417571 | G | A | rs11968109 | 3.57E-01 | 0.089 | 0.083 | 1.09 | 0.89 | -1.32 | 3.07E-05 | 0.113 | 0.078 | 1.51 | 1.27 | -1.79 | 1.29 | 3.78E-04 | OR10C1(dist=8817), OR2H1(dist=8659) | intergenic |
| 7 | 79047850 | A | C | rs80041322 | 4.38E-01 | 0.073 | 0.070 | 1.05 | 0.85 | -1.29 | 8.22E-06 | 0.096 | 0.066 | 1.51 | 1.25 | -1.81 | 1.34 | 3.83E-04 | MAGI2 | intronic |
| 7 | 93058882 | A | G | rs17165400 | 3.31E-01 | 0.069 | 0.066 | 1.05 | 0.85 | -1.31 | 3.15E-05 | 0.086 | 0.059 | 1.51 | 1.24 | -1.83 | 1.34 | 3.84E-04 | CALCR | intronic |
| 21 | 34063163 | C | G | rs7276517 | 1.35E-05 | 0.125 | 0.168 | 0.70 | 0.6 | -0.82 | 5.22E-01 | 0.139 | 0.141 | 0.98 | 0.84 | -1.14 | 0.81 | 3.84E-04 | SYNJ1 | intronic |
| 5 | 176135248 | A | C | rs4470777 | 6.11E-05 | 0.098 | 0.069 | 1.46 | 1.2 | -1.78 | 3.65E-01 | 0.084 | 0.080 | 1.05 | 0.87 | -1.27 | 1.33 | 3.85E-04 | TSPAN17(dist=49189), LINC01574(dist=34958) | intergenic |
| 10 | 64547920 | A | G | rs150904 | 3.04E-01 | 0.403 | 0.432 | 0.89 | 0.8 | -1 | 6.29E-05 | 0.361 | 0.403 | 0.84 | 0.75 | -0.93 | 0.86 | 3.89E-04 | ZNF365(dist=116149), ADO(dist=16596) | intergenic |
| 7 | 38059237 | T | A | rs6965880 | 3.89E-01 | 0.455 | 0.438 | 1.07 | 0.96 | -1.19 | 1.57E-05 | 0.506 | 0.453 | 1.24 | 1.11 | -1.37 | 1.16 | 3.91E-04 | EPDR1(dist=67695), STARD3NL(dist=158571) | intergenic |
| 21 | 27613403 | T | C | rs111586925 | 2.26E-05 | 0.045 | 0.067 | 0.66 | 0.52 | -0.84 | 3.17E-01 | 0.062 | 0.076 | 0.81 | 0.65 | -1 | 0.73 | 3.93E-04 | APP(dist=69957), CYR11(dist=225125) | intergenic |
| 10 | 87519372 | T | C | rs11814778;rs112447125 | 3.08E-05 | 0.074 | 0.102 | 0.70 | 0.57 | -0.85 | 2.03E-01 | 0.083 | 0.093 | 0.88 | 0.73 | -1.06 | 0.78 | 3.96E-04 | GRID1 | intronic |
| 10 | 87519425 | C | T | rs11812444 | 3.08E-05 | 0.074 | 0.102 | 0.70 | 0.57 | -0.85 | 2.04E-01 | 0.083 | 0.093 | 0.88 | 0.73 | -1.06 | 0.78 | 4.00E-04 | GRID1 | intronic |
| 21 | 34087136 | T | C | rs621337 | 1.28E-05 | 0.124 | 0.167 | 0.70 | 0.6 | -0.82 | 5.30E-01 | 0.140 | 0.142 | 0.98 | 0.84 | -1.14 | 0.81 | 4.05E-04 | SYNJ1 | intronic |
| 7 | 38068104 | T | C | rs140019100 | 2.95E-01 | 0.196 | 0.191 | 1.03 | 0.9 | -1.19 | 1.95E-05 | 0.200 | 0.159 | 1.32 | 1.16 | -1.51 | 1.23 | 4.05E-04 | EPDR1(dist=76562), STARD3NL(dist=149704) | intergenic |
| 11 | 102694600 | G | A | rs142132409 | 3.24E-01 | 0.033 | 0.029 | 1.13 | 0.83 | -1.55 | 4.57E-05 | 0.043 | 0.025 | 1.78 | 1.35 | -2.35 | 1.54 | 4.05E-04 | WTAPP1 | ncRNA_intronic |
| 21 | 34052834 | A | G | rs844987 | 1.36E-05 | 0.125 | 0.168 | 0.70 | 0.6 | -0.82 | 5.32E-01 | 0.140 | 0.142 | 0.98 | 0.84 | -1.14 | 0.81 | 4.07E-04 | SYNJ1 | intronic |
| 21 | 34039983 | G | A | rs844997 | 1.38E-05 | 0.124 | 0.168 | 0.70 | 0.6 | -0.82 | 5.29E-01 | 0.140 | 0.142 | 0.98 | 0.84 | -1.14 | 0.81 | 4.07E-04 | SYNJ1 | intronic |
| 12 | 54523901 | C | G | rs56242321 | 3.81E-01 | 0.177 | 0.166 | 1.08 | 0.93 | -1.25 | 4.26E-05 | 0.222 | 0.189 | 1.22 | 1.08 | -1.39 | 1.22 | 4.13E-04 | LOC400043 | ncRNA_intronic |
| 17 | 73790974 | G | A | rs28578956 | 3.61E-01 | 0.145 | 0.117 | 1.28 | 1.09 | -1.51 | 4.81E-05 | 0.201 | 0.183 | 1.12 | 0.98 | -1.28 | 1.23 | 4.20E-04 | UNK | intronic |
| 11 | 5438746 | A | G | rs4910790 | 3.78E-01 | 0.491 | 0.491 | 1.00 | 0.9 | -1.11 | 3.62E-05 | 0.534 | 0.480 | 0.81 | 0.73 | -0.89 | 0.85 | 4.21E-04 | OR51B5 | intronic |
| 2 | 30259377 | G | A | rs6723731 | 2.53E-05 | 0.305 | 0.339 | 0.85 | 0.76 | -0.96 | 4.94E-01 | 0.354 | 0.379 | 0.90 | 0.81 | -1 | 0.83 | 4.23E-04 | ALK(dist=114900), YPEL5(dist=110373) | intergenic |
| 21 | 34053961 | T | A | rs844988 | 1.54E-05 | 0.127 | 0.171 | 0.71 | 0.6 | -0.83 | 5.28E-01 | 0.140 | 0.143 | 0.98 | 0.85 | -1.14 | 0.81 | 4.24E-04 | SYNJ1 | intronic |
| 10 | 87508242 | C | T | rs11201773 | 4.60E-05 | 0.072 | 0.100 | 0.70 | 0.57 | -0.86 | 1.82E-01 | 0.082 | 0.093 | 0.87 | 0.73 | -1.05 | 0.78 | 4.25E-04 | GRID1 | intronic |
| 2 | 18465890 | G | A | rs6726057 | 4.59E-01 | 0.300 | 0.297 | 1.01 | 0.9 | -1.14 | 9.87E-06 | 0.330 | 0.269 | 1.34 | 1.19 | -1.49 | 1.17 | 4.27E-04 | KCNS3(dist=351665), RDH14(dist=270099) | intergenic |
| 8 | 38859104 | G | A | rs59451782 | 5.51E-01 | 0.075 | 0.076 | 0.99 | 0.81 | -1.22 | 7.93E-06 | 0.104 | 0.069 | 1.57 | 1.32 | -1.88 | 1.31 | 4.28E-04 | ADAM9 | intronic |
| 6 | 29430829 | G | A | rs16894941 | 3.65E-01 | 0.091 | 0.085 | 1.09 | 0.9 | -1.32 | 3.11E-05 | 0.111 | 0.076 | 1.50 | 1.26 | -1.79 | 1.29 | 4.29E-04 | OR2H1(NM_030883:c.*332G>A) | UTR3 |
| 11 | 21562368 | C | A | rs11026130 | 4.83E-01 | 0.131 | 0.120 | 1.10 | 0.93 | -1.3 | 2.30E-05 | 0.108 | 0.160 | 0.63 | 0.54 | -0.75 | 0.81 | 4.35E-04 | NELL1 | intronic |
| 11 | 21556768 | G | A | rs10833560 | 5.17E-01 | 0.133 | 0.122 | 1.10 | 0.94 | -1.3 | 1.86E-05 | 0.109 | 0.161 | 0.63 | 0.54 | -0.75 | 0.80 | 4.35E-04 | NELL1 | intronic |
| 6 | 31532564 | C | A | rs3131641 | 3.22E-01 | 0.492 | 0.494 | 1.01 | 0.9 | -1.12 | 4.91E-05 | 0.544 | 0.482 | 1.28 | 1.15 | -1.42 | 1.15 | 4.36E-04 | NFKBIL1(dist=5958), LTA(dist=7312) | intergenic |
| 12 | 43024542 | C | T | rs146105541 | 6.25E-01 | 0.035 | 0.034 | 1.01 | 0.75 | -1.36 | 7.35E-06 | 0.051 | 0.029 | 1.82 | 1.41 | -2.36 | 1.50 | 4.40E-04 | LOC101927058 | ncRNA_intronic |
| 10 | 34408467 | G | A | rs12264982 | 2.80E-05 | 0.235 | 0.298 | 0.72 | 0.64 | -0.82 | 2.64E-01 | 0.232 | 0.236 | 0.98 | 0.87 | -1.11 | 0.84 | 4.41E-04 | PARD3 | intronic |
| 8 | 6423987 | G | A | rs7832816 | 2.66E-05 | 0.092 | 0.062 | 1.54 | 1.26 | -1.9 | 4.43E-01 | 0.068 | 0.065 | 1.06 | 0.86 | -1.3 | 1.33 | 4.41E-04 | MCPH1 | intronic |
| 5 | 176135702 | A | T | rs115151016 | 5.44E-05 | 0.099 | 0.070 | 1.46 | 1.2 | -1.78 | 4.28E-01 | 0.085 | 0.082 | 1.04 | 0.87 | -1.26 | 1.32 | 4.46E-04 | TSPAN17(dist=49643), LINC01574(dist=34504) | intergenic |
| 2 | 18420493 | A | G | rs13422960 | 3.65E-01 | 0.184 | 0.183 | 1.01 | 0.88 | -1.16 | 2.56E-05 | 0.215 | 0.168 | 1.36 | 1.19 | -1.54 | 1.20 | 4.50E-04 | KCNS3(dist=306268), RDH14(dist=315496) | intergenic |
| 4 | 58622776 | G | T | rs113284537 | 7.27E-01 | 0.042 | 0.040 | 1.05 | 0.79 | -1.38 | 2.27E-06 | 0.051 | 0.028 | 1.89 | 1.46 | -2.44 | 1.45 | 4.51E-04 | LOC101928851(dist=290624), NONE(dist=NONE) | intergenic |
| 5 | 13921373 | G | A | rs6869548 | 4.50E-01 | 0.491 | 0.502 | 0.96 | 0.86 | -1.07 | 1.68E-05 | 0.445 | 0.497 | 0.81 | 0.73 | -0.9 | 0.87 | 4.51E-04 | DNAH5 | intronic |
| 2 | 205081598 | A | G | rs10932052 | 2.86E-01 | 0.296 | 0.283 | 1.07 | 0.95 | -1.2 | 3.44E-05 | 0.344 | 0.305 | 1.19 | 1.07 | -1.33 | 1.18 | 4.52E-04 | ICOS(dist=255300), PARD3B(dist=328918) | intergenic |
| 2 | 18447945 | G | A | rs6754763 | 5.03E-01 | 0.343 | 0.339 | 1.02 | 0.91 | -1.14 | 8.98E-06 | 0.366 | 0.305 | 1.32 | 1.18 | -1.47 | 1.16 | 4.57E-04 | KCNS3(dist=333720), RDH14(dist=288044) | intergenic |
| 9 | 113102194 | T | C | rs9696186 | 4.10E-05 | 0.423 | 0.458 | 1.15 | 1.03 | -1.29 | 2.98E-01 | 0.454 | 0.478 | 1.10 | 0.99 | -1.22 | 1.18 | 4.58E-04 | TXNDC8(dist=2030), SVEP1(dist=25335) | intergenic |
| 1 | 81094204 | G | A | rs72933084 | 4.56E-05 | 0.156 | 0.124 | 1.30 | 1.11 | -1.52 | 4.19E-01 | 0.136 | 0.123 | 1.12 | 0.96 | -1.31 | 1.25 | 4.65E-04 | LOC101927412 | ncRNA_intronic |
| 7 | 79046112 | G | A | rs2190180 | 4.00E-01 | 0.073 | 0.070 | 1.05 | 0.85 | -1.3 | 1.62E-05 | 0.094 | 0.066 | 1.48 | 1.23 | -1.79 | 1.33 | 4.67E-04 | MAGI2 | intronic |
| 10 | 87500572 | G | A | rs12098860 | 3.61E-05 | 0.069 | 0.096 | 0.70 | 0.57 | -0.85 | 1.97E-01 | 0.083 | 0.093 | 0.88 | 0.73 | -1.06 | 0.78 | 4.67E-04 | GRID1 | intronic |
| 4 | 58622334 | A | G | rs147270744 | 6.49E-01 | 0.045 | 0.043 | 1.06 | 0.81 | -1.38 | 5.43E-06 | 0.056 | 0.033 | 1.76 | 1.38 | -2.24 | 1.44 | 4.70E-04 | LOC101928851(dist=290182), NONE(dist=NONE) | intergenic |
| 7 | 38041053 | T | C | rs4475393 | 3.92E-01 | 0.490 | 0.506 | 1.07 | 0.95 | -1.19 | 1.95E-05 | 0.442 | 0.497 | 1.25 | 1.12 | -1.38 | 1.15 | 4.71E-04 | EPDR1(dist=49511), STARD3NL(dist=176755) | intergenic |
| 9 | 113106896 | G | A | rs75043681 | 4.87E-05 | 0.081 | 0.059 | 1.40 | 1.13 | -1.74 | 2.50E-01 | 0.070 | 0.060 | 1.17 | 0.95 | -1.45 | 1.37 | 4.72E-04 | TXNDC8(dist=6732), SVEP1(dist=20633) | intergenic |
| 12 | 43018501 | A | G | rs74819725 | 5.83E-01 | 0.036 | 0.035 | 1.02 | 0.76 | -1.36 | 1.14E-05 | 0.051 | 0.029 | 1.82 | 1.41 | -2.35 | 1.49 | 4.72E-04 | LOC101927058 | ncRNA_intronic |
| 10 | 87497616 | C | T | rs11814325 | 5.13E-05 | 0.072 | 0.099 | 0.70 | 0.57 | -0.86 | 1.88E-01 | 0.083 | 0.093 | 0.88 | 0.73 | -1.06 | 0.78 | 4.74E-04 | GRID1 | intronic |
| 2 | 61869067 | G | T | rs183577321 | 2.44E-05 | 0.029 | 0.054 | 0.52 | 0.39 | -0.7 | 4.56E-01 | 0.040 | 0.041 | 0.97 | 0.75 | -1.27 | 0.68 | 4.74E-04 | XPO1(dist=103649), FAM161A(dist=182916) | intergenic |
| 2 | 61869063 | G | C | rs191468823 | 2.44E-05 | 0.029 | 0.054 | 0.52 | 0.39 | -0.7 | 4.56E-01 | 0.040 | 0.041 | 0.97 | 0.75 | -1.27 | 0.68 | 4.75E-04 | XPO1(dist=103645), FAM161A(dist=182920) | intergenic |
| 6 | 29422516 | G | A | rs115047029 | 3.64E-01 | 0.089 | 0.083 | 1.09 | 0.89 | -1.32 | 4.17E-05 | 0.112 | 0.077 | 1.51 | 1.27 | -1.79 | 1.29 | 4.75E-04 | OR10C1(dist=13762), OR2H1(dist=3714) | intergenic |
| 21 | 34069146 | G | A | rs844983 | 1.45E-05 | 0.124 | 0.167 | 0.70 | 0.6 | -0.83 | 5.62E-01 | 0.139 | 0.141 | 0.98 | 0.85 | -1.14 | 0.81 | 4.75E-04 | SYNJ1 | intronic |
| 10 | 87532089 | G | A | rs12358645 | 3.35E-05 | 0.075 | 0.103 | 0.70 | 0.58 | -0.86 | 2.24E-01 | 0.083 | 0.092 | 0.89 | 0.73 | -1.07 | 0.78 | 4.76E-04 | GRID1 | intronic |
| 1 | 1053724 | A | G | rs4970411 | 3.20E-01 | 0.446 | 0.449 | 0.99 | 0.89 | -1.11 | 5.38E-05 | 0.456 | 0.392 | 1.30 | 1.17 | -1.44 | 1.16 | 4.76E-04 | C1orf159(dist=1988), LINC01342(dist=18673) | intergenic |
| 1 | 81092810 | C | A | rs112810298 | 4.45E-05 | 0.156 | 0.124 | 1.30 | 1.11 | -1.52 | 4.28E-01 | 0.136 | 0.123 | 1.12 | 0.96 | -1.31 | 1.25 | 4.77E-04 | LOC101927412 | ncRNA_intronic |
| 3 | 115528296 | C | T | rs72947885 | 4.16E-05 | 0.074 | 0.054 | 1.40 | 1.12 | -1.75 | 4.49E-01 | 0.059 | | | | | | | | |

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|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 7 | 153907107 | T | C | rs73485461 | 4.29E-05 | 0.118 | 0.088 | 1.38 | 1.15 | -1.65 | 4.83E-01 | 0.097 | 0.090 | 1.10 | 0.92 | -1.31 | 1.29 | 4.95E-04 | DPP6 | intronic |
| 16 | 65902516 | A | G | rs17608497 | 2.20E-05 | 0.084 | 0.113 | 0.72 | 0.6 | -0.87 | 4.91E-01 | 0.105 | 0.111 | 0.94 | 0.79 | -1.11 | 0.76 | 4.95E-04 | LINC00922(dist=292313), CDH5(dist=498009) | intergenic |
| 7 | 79007299 | G | A | rs76068105 | 3.07E-01 | 0.062 | 0.059 | 1.06 | 0.84 | -1.33 | 2.68E-05 | 0.081 | 0.057 | 1.48 | 1.21 | -1.8 | 1.37 | 5.00E-04 | MAGI2 | intronic |
| 5 | 149533976 | G | T | rs11167497 | 3.68E-01 | 0.051 | 0.041 | 1.26 | 0.97 | -1.64 | 5.65E-05 | 0.075 | 0.059 | 1.29 | 1.06 | -1.58 | 1.41 | 5.00E-04 | PDGFRB | intronic |
| 17 | 78332914 | G | T | rs8072622 | 2.55E-01 | 0.178 | 0.164 | 0.91 | 0.78 | -1.05 | 5.53E-05 | 0.236 | 0.206 | 0.84 | 0.74 | -0.95 | 0.83 | 5.01E-04 | LOC100294362 | ncRNA_intronic |
| 14 | 85459876 | A | G | rs114508225 | 3.47E-05 | 0.051 | 0.035 | 1.50 | 1.14 | -1.97 | 5.61E-01 | 0.027 | 0.024 | 1.11 | 0.8 | -1.54 | 1.66 | 5.01E-04 | NONE(dist=NONE), LINC00911(dist=400347) | intergenic |
| 7 | 141248475 | G | A | rs3757470 | 2.64E-05 | 0.222 | 0.165 | 1.45 | 1.26 | -1.66 | 4.68E-01 | 0.207 | 0.208 | 0.99 | 0.87 | -1.13 | 1.20 | 5.05E-04 | TMEM178B(dist=68296), AGK(dist=2603) | intergenic |
| 8 | 38898288 | A | G | rs58971487 | 7.27E-01 | 0.079 | 0.082 | 0.96 | 0.79 | -1.18 | 2.82E-06 | 0.109 | 0.073 | 1.56 | 1.31 | -1.86 | 1.30 | 5.07E-04 | ADAM9 | intronic |
| 4 | 7755272 | G | A | rs16841024 | 3.13E-06 | 0.049 | 0.029 | 1.73 | 1.3 | -2.3 | 9.38E-01 | 0.033 | 0.031 | 1.05 | 0.78 | -1.41 | 1.52 | 5.08E-04 | AFAP1-AS1 | upstream |
| 8 | 50822736 | G | C | rs2449960 | 5.36E-01 | 0.444 | 0.454 | 1.04 | 0.93 | -1.16 | 1.54E-05 | 0.469 | 0.398 | 0.75 | 0.67 | -0.83 | 0.86 | 5.08E-04 | SNTG1 | intronic |
| 2 | 103001402 | C | T | rs1035130 | 4.21E-01 | 0.151 | 0.153 | 0.98 | 0.85 | -1.15 | 2.67E-05 | 0.131 | 0.176 | 0.71 | 0.61 | -0.82 | 0.82 | 5.10E-04 | IL18R1 | exonic |
| 6 | 108532862 | C | T | rs75854152 | 4.14E-01 | 0.096 | 0.107 | 0.89 | 0.74 | -1.07 | 1.90E-05 | 0.080 | 0.103 | 0.76 | 0.63 | -0.91 | 0.78 | 5.12E-04 | SNX3 | UTR3 |
| 16 | 65898936 | G | T | rs166213 | 3.83E-05 | 0.043 | 0.060 | 1.41 | 1.1 | -1.82 | 2.14E-01 | 0.076 | 0.087 | 1.16 | 0.95 | -1.4 | 1.36 | 5.13E-04 | LINC00922(dist=288733), CDH5(dist=501589) | intergenic |
| 7 | 79052139 | T | C | rs17152485 | 5.22E-01 | 0.073 | 0.072 | 1.03 | 0.83 | -1.27 | 6.98E-06 | 0.096 | 0.066 | 1.51 | 1.25 | -1.81 | 1.33 | 5.14E-04 | MAGI2 | intronic |
| 5 | 117793404 | C | T | rs72793511 | 2.67E-01 | 0.186 | 0.180 | 1.04 | 0.91 | -1.2 | 6.22E-05 | 0.204 | 0.161 | 1.33 | 1.17 | -1.52 | 1.21 | 5.16E-04 | LOC101927280 | ncRNA_intronic |
| 21 | 34115455 | T | C | rs2298365 | 2.35E-05 | 0.126 | 0.168 | 0.71 | 0.61 | -0.83 | 5.15E-01 | 0.139 | 0.141 | 0.98 | 0.84 | -1.14 | 0.81 | 5.18E-04 | PAXBP1 | intronic |
| 5 | 123813111 | C | T | rs79139825 | 5.54E-01 | 0.055 | 0.053 | 1.06 | 0.83 | -1.34 | 1.14E-05 | 0.071 | 0.046 | 1.58 | 1.28 | -1.96 | 1.39 | 5.19E-04 | LINC01170(dist=38898), ZNF608(dist=159499) | intergenic |
| 7 | 93059836 | C | T | rs17165408 | 3.81E-01 | 0.068 | 0.066 | 1.04 | 0.84 | -1.3 | 3.46E-05 | 0.085 | 0.058 | 1.50 | 1.23 | -1.82 | 1.34 | 5.20E-04 | CALCR | intronic |
| 2 | 211939224 | C | T | rs16845277 | 3.83E-01 | 0.140 | 0.138 | 1.02 | 0.87 | -1.2 | 2.21E-05 | 0.154 | 0.113 | 1.42 | 1.22 | -1.65 | 1.24 | 5.20E-04 | CPS1(dist=395392), ERBB4(dist=301218) | intergenic |
| 4 | 58609794 | A | G | rs111936752 | 7.85E-01 | 0.047 | 0.046 | 1.03 | 0.8 | -1.34 | 2.25E-06 | 0.058 | 0.032 | 1.83 | 1.44 | -2.33 | 1.41 | 5.24E-04 | LOC101928851(dist=277642), NONE(dist=NONE) | intergenic |
| 5 | 13919578 | G | A | rs12655818 | 4.87E-01 | 0.490 | 0.500 | 0.96 | 0.86 | -1.07 | 1.57E-05 | 0.445 | 0.497 | 0.81 | 0.73 | -0.9 | 0.87 | 5.28E-04 | DNAH5 | intronic |
| 7 | 79057645 | C | A | rs75121608 | 4.50E-01 | 0.075 | 0.072 | 1.04 | 0.84 | -1.28 | 1.49E-05 | 0.097 | 0.067 | 1.49 | 1.24 | -1.79 | 1.33 | 5.29E-04 | MAGI2 | intronic |
| 11 | 21547313 | C | T | rs4291670 | 4.81E-01 | 0.138 | 0.129 | 1.08 | 0.92 | -1.27 | 3.00E-05 | 0.114 | 0.165 | 0.65 | 0.56 | -0.77 | 0.81 | 5.30E-04 | NELL1 | intronic |
| 7 | 153899034 | T | C | rs28665072 | 6.01E-06 | 0.139 | 0.104 | 1.40 | 1.18 | -1.65 | 8.66E-01 | 0.105 | 0.101 | 1.05 | 0.88 | -1.24 | 1.27 | 5.30E-04 | DPP6 | intronic |
| 4 | 58610780 | C | T | rs145949331 | 7.87E-01 | 0.047 | 0.046 | 1.03 | 0.79 | -1.34 | 2.27E-06 | 0.058 | 0.032 | 1.83 | 1.44 | -2.33 | 1.41 | 5.31E-04 | LOC101928851(dist=278628), NONE(dist=NONE) | intergenic |
| 14 | 21239846 | A | C | rs79214935 | 1.70E-05 | 0.148 | 0.116 | 1.32 | 1.13 | -1.56 | 5.62E-01 | 0.112 | 0.105 | 1.08 | 0.91 | -1.27 | 1.28 | 5.32E-04 | EDDM3B | downstream |
| 4 | 58611479 | C | T | rs4865276 | 7.89E-01 | 0.047 | 0.046 | 1.03 | 0.79 | -1.33 | 2.28E-06 | 0.058 | 0.032 | 1.83 | 1.44 | -2.33 | 1.41 | 5.35E-04 | LOC101928851(dist=279327), NONE(dist=NONE) | intergenic |
| 8 | 66555442 | C | G | rs66851666 | 6.52E-01 | 0.073 | 0.068 | 1.07 | 0.87 | -1.33 | 8.16E-06 | 0.099 | 0.072 | 1.42 | 1.18 | -1.7 | 1.31 | 5.41E-04 | ARMC1(dist=8990), MTFR1(dist=1446) | intergenic |
| 5 | 123811427 | T | C | rs79754969 | 6.29E-01 | 0.056 | 0.054 | 1.04 | 0.82 | -1.32 | 8.24E-06 | 0.071 | 0.045 | 1.61 | 1.3 | -1.99 | 1.39 | 5.43E-04 | LINC01170(dist=37214), ZNF608(dist=161183) | intergenic |
| 10 | 56361476 | T | C | rs4935525 | 2.02E-06 | 0.260 | 0.323 | 1.36 | 1.2 | -1.54 | 6.43E-01 | 0.275 | 0.277 | 1.01 | 0.9 | -1.14 | 1.18 | 5.45E-04 | PCDH15 | intronic |
| 8 | 66530244 | G | A | rs144483374 | 6.64E-01 | 0.073 | 0.068 | 1.07 | 0.86 | -1.33 | 7.42E-06 | 0.099 | 0.072 | 1.42 | 1.19 | -1.7 | 1.31 | 5.45E-04 | ARMC1 | intronic |
| 8 | 66536135 | C | T | rs147230370 | 6.64E-01 | 0.073 | 0.068 | 1.07 | 0.86 | -1.33 | 7.43E-06 | 0.099 | 0.072 | 1.42 | 1.19 | -1.7 | 1.31 | 5.45E-04 | ARMC1 | intronic |
| 8 | 66538975 | G | A | rs66850618 | 6.64E-01 | 0.073 | 0.068 | 1.07 | 0.86 | -1.33 | 7.43E-06 | 0.099 | 0.072 | 1.42 | 1.19 | -1.7 | 1.31 | 5.45E-04 | ARMC1 | intronic |
| 8 | 66545781 | C | G | rs68077070 | 6.64E-01 | 0.073 | 0.068 | 1.07 | 0.86 | -1.33 | 7.44E-06 | 0.099 | 0.072 | 1.42 | 1.19 | -1.7 | 1.31 | 5.45E-04 | ARMC1 | intronic |
| 5 | 13920362 | G | A | rs11745217 | 4.90E-01 | 0.490 | 0.500 | 0.96 | 0.86 | -1.07 | 1.63E-05 | 0.445 | 0.497 | 0.81 | 0.73 | -0.9 | 0.87 | 5.47E-04 | DNAH5 | intronic |
| 3 | 134590260 | T | G | rs77406785 | 6.43E-01 | 0.024 | 0.024 | 1.00 | 0.7 | -1.43 | 2.31E-05 | 0.046 | 0.030 | 1.54 | 1.19 | -2.01 | 1.74 | 5.49E-04 | EPHB1 | intronic |
| 2 | 224815458 | T | C | rs60476567 | 4.42E-06 | 0.048 | 0.026 | 1.91 | 1.42 | -2.57 | 9.18E-01 | 0.030 | 0.029 | 1.03 | 0.76 | -1.41 | 1.55 | 5.51E-04 | WDFY1(dist=5354), MRPL44(dist=6663) | intergenic |
| 1 | 1037367 | G | A | rs11260594 | 3.53E-01 | 0.428 | 0.429 | 1.00 | 0.89 | -1.11 | 6.18E-05 | 0.462 | 0.398 | 1.30 | 1.17 | -1.44 | 1.16 | 5.51E-04 | C1orf159 | intronic |
| 6 | 108543966 | C | G | rs58497731 | 4.48E-01 | 0.096 | 0.106 | 0.89 | 0.74 | -1.07 | 1.67E-05 | 0.080 | 0.103 | 0.75 | 0.62 | -0.91 | 0.78 | 5.54E-04 | SNX3 | intronic |
| 11 | 102677830 | T | A | rs115066265 | 5.91E-01 | 0.027 | 0.026 | 1.07 | 0.76 | -1.5 | 2.20E-05 | 0.042 | 0.023 | 1.88 | 1.41 | -2.49 | 1.55 | 5.55E-04 | WTAPP1 | ncRNA_intronic |
| 5 | 123805229 | A | G | rs79774430 | 6.01E-01 | 0.058 | 0.055 | 1.05 | 0.83 | -1.33 | 1.08E-05 | 0.071 | 0.046 | 1.60 | 1.29 | -1.99 | 1.38 | 5.55E-04 | LINC01170(dist=31016), ZNF608(dist=167381) | intergenic |
| 2 | 224813548 | T | G | rs73992129 | 4.49E-06 | 0.048 | 0.026 | 1.91 | 1.42 | -2.57 | 9.19E-01 | 0.030 | 0.029 | 1.03 | 0.76 | -1.41 | 1.55 | 5.56E-04 | WDFY1(dist=3444), MRPL44(dist=8573) | intergenic |
| 5 | 123807750 | T | A | rs60591660 | 6.24E-01 | 0.057 | 0.055 | 1.04 | 0.82 | -1.32 | 9.16E-06 | 0.071 | 0.046 | 1.61 | 1.3 | -1.99 | 1.38 | 5.56E-04 | LINC01170(dist=33537), ZNF608(dist=164860) | intergenic |
| 21 | 34114123 | A | G | rs12627478 | 2.35E-05 | 0.126 | 0.168 | 0.71 | 0.61 | -0.83 | 5.32E-01 | 0.140 | 0.142 | 0.98 | 0.85 | -1.14 | 0.82 | 5.57E-04 | PAXBP1-AS1 | ncRNA_intronic |
| 5 | 149533956 | T | G | rs11167496 | 3.75E-01 | 0.051 | 0.041 | 1.26 | 0.97 | -1.63 | 6.41E-05 | 0.076 | 0.060 | 1.29 | 1.05 | -1.58 | 1.40 | 5.63E-04 | PDGFRB | intronic |
| 5 | 123810199 | G | A | rs112139503 | 6.38E-01 | 0.057 | 0.055 | 1.04 | 0.82 | -1.32 | 8.44E-06 | 0.071 | 0.046 | 1.61 | 1.3 | -1.99 | 1.38 | 5.63E-04 | LINC01170(dist=35986), ZNF608(dist=162411) | intergenic |
| 5 | 13457782 | T | C | rs13354360 | 4.21E-01 | 0.067 | 0.060 | 1.13 | 0.9 | -1.41 | 3.09E-05 | 0.091 | 0.070 | 1.34 | 1.11 | -1.62 | 1.35 | 5.64E-04 | LINC01194(dist=652487), DNAH5(dist=232655) | intergenic |
| 8 | 66488718 | T | C | rs67020592 | 5.90E-01 | 0.073 | 0.068 | 1.08 | 0.87 | -1.34 | 1.34E-05 | 0.098 | 0.072 | 1.41 | 1.18 | -1.69 | 1.31 | 5.68E-04 | LINC01299(dist=13817), ARMC1(dist=25973) | intergenic |
| 10 | 87506141 | A | G | rs11201770 | 6.37E-05 | 0.074 | 0.101 | 0.72 | 0.59 | -0.87 | 2.00E-01 | 0.086 | 0.096 | 0.88 | 0.74 | -1.06 | 0.78 | 5.70E-04 | GRID1 | intronic |
| 8 | 66487345 | G | A | rs77019597 | 5.91E-01 | 0.073 | 0.068 | 1.08 | 0.87 | -1.34 | 1.37E-05 | 0.098 | 0.072 | 1.41 | 1.18 | -1.69 | 1.31 | 5.73E-04 | LINC01299(dist=12444), ARMC1(dist=27346) | intergenic |
| 8 | 66487080 | G | A | rs67578031 | 5.90E-01 | 0.073 | 0.068 | 1.08 | 0.87 | -1.34 | 1.37E-05 | 0.098 | 0.072 | 1.41 | 1.18 | -1.69 | 1.31 | 5.74E-04 | LINC01299(dist=12179), ARMC1(dist=27611) | intergenic |
| 8 | 66523271 | C | T | rs113546214 | 6.36E-01 | 0.071 | 0.066 | 1.08 | 0.87 | -1.34 | 7.44E-06 | 0.093 | 0.068 | 1.41 | 1.17 | -1.7 | 1.32 | 5.80E-04 | ARMC1 | intronic |
| 10 | 53455862 | A | G | rs16921605 | 1.37E-05 | 0.118 | 0.161 | 0.70 | 0.59 | -0.82 | 3.59E-01 | 0.130 | 0.137 | 0.94 | 0.81 | -1.1 | 0.81 | 5.84E-04 | CSTF2T(NM_015235:c.*1597T>C) | UTR3 |
| 6 | 31568469 | G | A | rs2857595 | 4.95E-01 | 0.440 | 0.443 | 0.99 | 0.89 | -1.1 | 1.90E-05 | 0.471 | 0.405 | 1.31 | 1.18 | -1.45 | 1.16 | 5.87E-04 | NCR3(dist=7707), AIF1(dist=14525) | intergenic |
| 4 | 85375567 | C | T | rs763540 | 4.60E-01 | 0.328 | 0.320 | 1.04 | 0.92 | -1.17 | 4.71E-05 | 0.353 | 0.302 | 1.26 | 1.13 | -1.4 | 1.16 | 5.89E-04 | LOC101928978(dist=155245), NKX6-1(dist=38869) | intergenic |
| 18 | 72908354 | A | G | rs145717809 | 1.30E-05 | 0.068 | 0.044 | 1.58 | 1.25 | -2.01 | 8.37E-01 | 0.037 | 0.035 | 1.06 | 0.81 | -1.4 | 1.42 | 5.89E-04 | ZADH2 | downstream |
| 11 | 102706229 | A | G | rs3025080 | 3.91E-01 | 0.030 | 0.027 | 1.11 | 0.8 | -1.54 | 6.45E-05 | 0.040 | 0.022 | 1.83 | 1.37 | -2.45 | 1.55 | 5.95E-04 | WTAPP1 | ncRNA_intronic |
| 2 | 102995020 | G | A | rs2080289 | 4.56E-01 | 0.152 | 0.153 | 0.99 | 0.85 | -1.15 | 2.65E-05 | 0.131 | 0.176 | 0.71 | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 10 | 60177331 | A | G | rs2086784 | 4.36E-01 | 0.153 | 0.144 | 0.93 | 0.8 | -1.08 | 5.77E-05 | 0.204 | 0.170 | 0.80 | 0.7 | -0.91 | 0.82 | 6.06E-04 | TFAM(dist=18341), BICC1(dist=95573) | intergenic |
| 19 | 36886705 | C | A | rs2945963 | 4.50E-01 | 0.236 | 0.243 | 1.04 | 0.91 | -1.18 | 5.67E-05 | 0.232 | 0.282 | 1.30 | 1.15 | -1.47 | 1.17 | 6.09E-04 | ZFP82 | intronic |
| 10 | 60176068 | A | G | rs7903523 | 4.37E-01 | 0.153 | 0.144 | 0.93 | 0.8 | -1.08 | 5.81E-05 | 0.204 | 0.170 | 0.80 | 0.7 | -0.91 | 0.82 | 6.09E-04 | TFAM(dist=17078), BICC1(dist=96836) | intergenic |
| 8 | 66528700 | C | T | rs146107538 | 6.65E-01 | 0.085 | 0.081 | 1.06 | 0.87 | -1.29 | 8.25E-06 | 0.107 | 0.080 | 1.38 | 1.16 | -1.65 | 1.30 | 6.09E-04 | ARMC1 | intronic |
| 18 | 69243737 | G | A | rs115045386;rs386804677 | 3.67E-01 | 0.032 | 0.030 | 1.06 | 0.78 | -1.46 | 5.55E-05 | 0.037 | 0.022 | 1.68 | 1.25 | -2.26 | 1.64 | 6.10E-04 | LINC01541 | ncRNA_intronic |
| 11 | 7857379 | A | C | rs2361059 | 9.71E-01 | 0.366 | 0.352 | 1.07 | 0.95 | -1.2 | 1.48E-06 | 0.315 | 0.387 | 0.73 | 0.65 | -0.81 | 0.86 | 6.19E-04 | OR5P3(dist=9860), OR5E1P(dist=13219) | intergenic |
| 2 | 102997733 | G | T | rs11465633 | 4.52E-01 | 0.151 | 0.153 | 0.99 | 0.85 | -1.15 | 2.90E-05 | 0.131 | 0.176 | 0.71 | 0.61 | -0.82 | 0.83 | 6.20E-04 | IL18R1 | intronic |
| 2 | 102996872 | C | T | rs3821203 | 4.52E-01 | 0.151 | 0.153 | 0.99 | 0.85 | -1.15 | 2.89E-05 | 0.131 | 0.176 | 0.71 | 0.61 | -0.82 | 0.83 | 6.20E-04 | IL18R1 | intronic |
| 2 | 102997174 | A | T | rs3771162 | 4.52E-01 | 0.151 | 0.153 | 0.99 | 0.85 | -1.15 | 2.90E-05 | 0.131 | 0.176 | 0.71 | 0.61 | -0.82 | 0.83 | 6.20E-04 | IL18R1 | intronic |
| 1 | 1039817 | A | G | rs11581598 | 4.07E-01 | 0.440 | 0.445 | 0.98 | 0.88 | -1.1 | 6.09E-05 | 0.475 | 0.409 | 1.31 | 1.18 | -1.45 | 1.15 | 6.22E-04 | C1orf159 | intronic |
| 2 | 102994884 | A | G | rs17027037 | 4.53E-01 | 0.151 | 0.153 | 0.99 | 0.85 | -1.15 | 2.89E-05 | 0.131 | 0.176 | 0.71 | 0.61 | -0.82 | 0.83 | 6.22E-04 | IL18R1 | intronic |
| 2 | 102992079 | A | G | rs2270298 | 4.52E-01 | 0.151 | 0.153 | 0.99 | 0.85 | -1.15 | 2.95E-05 | 0.131 | 0.176 | 0.71 | 0.61 | -0.82 | 0.83 | 6.28E-04 | IL18R1 | intronic |
| 11 | 7854876 | G | A | rs10769837 | 6.76E-01 | 0.406 | 0.385 | 1.09 | 0.97 | -1.22 | 1.39E-07 | 0.341 | 0.419 | 0.72 | 0.64 | -0.8 | 0.87 | 6.28E-04 | OR5P3(dist=7357), OR5E1P(dist=15722) | intergenic |
| 15 | 75147332 | A | C | rs1869959 | 8.15E-05 | 0.400 | 0.459 | 1.27 | 1.14 | -1.42 | 5.60E-01 | 0.410 | 0.413 | 1.01 | 0.91 | -1.12 | 1.15 | 6.30E-04 | SCAMP2 | intronic |
| 4 | 58616435 | G | T | rs73187474 | 8.25E-01 | 0.047 | 0.046 | 1.02 | 0.79 | -1.33 | 2.45E-06 | 0.058 | 0.033 | 1.83 | 1.44 | -2.32 | 1.40 | 6.30E-04 | LOC101928851(dist=284283), NONE(dist=NONE) | intergenic |
| 8 | 66482521 | T | C | rs149718031 | 5.89E-01 | 0.073 | 0.068 | 1.08 | 0.87 | -1.34 | 1.63E-05 | 0.098 | 0.072 | 1.41 | 1.17 | -1.69 | 1.30 | 6.31E-04 | LINC01299(dist=7620), ARMC1(dist=32170) | intergenic |
| 1 | 1046164 | C | T | rs386627439;rs6666280 | 4.16E-01 | 0.446 | 0.449 | 0.99 | 0.88 | -1.1 | 4.36E-05 | 0.469 | 0.402 | 1.31 | 1.18 | -1.45 | 1.15 | 6.32E-04 | C1orf159 | intronic |
| 8 | 66556187 | C | T | rs10504389 | 6.84E-01 | 0.074 | 0.070 | 1.07 | 0.87 | -1.32 | 9.43E-06 | 0.099 | 0.072 | 1.42 | 1.18 | -1.7 | 1.30 | 6.37E-04 | MTRF1 | upstream |
| 2 | 103019782 | G | A | rs55742125 | 3.86E-01 | 0.146 | 0.148 | 0.98 | 0.84 | -1.15 | 5.34E-05 | 0.127 | 0.171 | 0.71 | 0.61 | -0.82 | 0.83 | 6.40E-04 | IL18R1(dist=4547), IL18RAP(dist=15468) | intergenic |
| 6 | 31510935 | C | G | rs386699236;rs3130629 | 4.71E-01 | 0.479 | 0.477 | 0.99 | 0.89 | -1.11 | 3.02E-05 | 0.444 | 0.507 | 1.29 | 1.16 | -1.43 | 1.15 | 6.41E-04 | ATP6V1G2-DDX39B | ncRNA_intronic |
| 10 | 108227432 | G | A | rs2177823 | 4.42E-05 | 0.112 | 0.085 | 1.36 | 1.13 | -1.63 | 3.52E-01 | 0.085 | 0.077 | 1.12 | 0.92 | -1.35 | 1.33 | 6.44E-04 | LOC101927549(dist=647341), SORCS1(dist=105989) | intergenic |
| 8 | 38889598 | C | T | rs78227456 | 7.73E-01 | 0.077 | 0.080 | 0.96 | 0.78 | -1.17 | 3.47E-06 | 0.107 | 0.071 | 1.58 | 1.32 | -1.88 | 1.30 | 6.46E-04 | ADAM9 | intronic |
| 8 | 38889871 | G | A | rs143600640 | 7.73E-01 | 0.077 | 0.080 | 0.96 | 0.78 | -1.17 | 3.48E-06 | 0.107 | 0.071 | 1.58 | 1.32 | -1.88 | 1.30 | 6.47E-04 | ADAM9 | intronic |
| 20 | 21459439 | A | G | rs112762345 | 3.51E-05 | 0.067 | 0.098 | 0.66 | 0.54 | -0.81 | 5.18E-01 | 0.070 | 0.073 | 0.95 | 0.78 | -1.17 | 0.75 | 6.47E-04 | NKX2-4(dist=81392), NKX2-2(dist=32221) | intergenic |
| 8 | 66481105 | A | G | rs61124236 | 5.88E-01 | 0.073 | 0.068 | 1.08 | 0.87 | -1.34 | 1.74E-05 | 0.098 | 0.072 | 1.40 | 1.17 | -1.68 | 1.30 | 6.53E-04 | LINC01299(dist=6204), ARMC1(dist=33586) | intergenic |
| 8 | 38880401 | T | C | rs140954145 | 7.75E-01 | 0.077 | 0.080 | 0.96 | 0.78 | -1.17 | 3.49E-06 | 0.107 | 0.070 | 1.58 | 1.32 | -1.88 | 1.30 | 6.53E-04 | ADAM9 | intronic |
| 8 | 66480622 | G | A | rs35416733 | 5.88E-01 | 0.073 | 0.068 | 1.08 | 0.87 | -1.34 | 1.75E-05 | 0.098 | 0.072 | 1.40 | 1.17 | -1.68 | 1.30 | 6.54E-04 | LINC01299(dist=5721), ARMC1(dist=34069) | intergenic |
| 17 | 73792372 | G | T | rs8081539 | 4.64E-01 | 0.147 | 0.120 | 1.26 | 1.07 | -1.47 | 4.66E-05 | 0.201 | 0.183 | 1.12 | 0.99 | -1.28 | 1.22 | 6.56E-04 | UNK | intronic |
| 10 | 53462107 | A | G | rs78450331 | 1.45E-05 | 0.049 | 0.079 | 0.59 | 0.47 | -0.75 | 4.54E-01 | 0.055 | 0.058 | 0.94 | 0.75 | -1.18 | 0.73 | 6.56E-04 | PRKG1 | intronic |
| 19 | 36652198 | T | C | rs114667815 | 5.02E-01 | 0.149 | 0.151 | 0.99 | 0.85 | -1.15 | 2.46E-05 | 0.163 | 0.126 | 1.36 | 1.18 | -1.57 | 1.26 | 6.60E-04 | COX7A1(dist=8427), ZNF565(dist=20764) | intergenic |
| 7 | 141243794 | G | A | rs1527641 | 3.54E-05 | 0.209 | 0.154 | 1.45 | 1.26 | -1.67 | 4.81E-01 | 0.208 | 0.209 | 0.99 | 0.87 | -1.13 | 1.20 | 6.62E-04 | TMEM178B(dist=63615), AGK(dist=7284) | intergenic |
| 8 | 128413510 | T | C | rs73706717 | 3.33E-01 | 0.086 | 0.096 | 0.89 | 0.73 | -1.07 | 6.47E-05 | 0.059 | 0.085 | 0.68 | 0.55 | -0.84 | 0.78 | 6.71E-04 | CCAT2 | ncRNA_exonic |
| 19 | 50308893 | T | C | rs8101959 | 4.65E-01 | 0.432 | 0.420 | 1.05 | 0.94 | -1.18 | 4.47E-05 | 0.449 | 0.402 | 1.21 | 1.09 | -1.34 | 1.15 | 6.80E-04 | APP2A1 | intronic |
| 17 | 73796002 | C | T | rs4789229 | 4.66E-01 | 0.147 | 0.120 | 1.26 | 1.07 | -1.47 | 4.91E-05 | 0.199 | 0.181 | 1.12 | 0.99 | -1.28 | 1.22 | 6.82E-04 | UNK | intronic |
| 1 | 1041786 | C | T | rs6604969 | 4.07E-01 | 0.448 | 0.452 | 0.99 | 0.88 | -1.1 | 5.73E-05 | 0.474 | 0.408 | 1.31 | 1.18 | -1.45 | 1.15 | 6.83E-04 | C1orf159 | intronic |
| 10 | 56364579 | A | G | rs7901268 | 3.03E-06 | 0.250 | 0.311 | 1.35 | 1.2 | -1.53 | 6.31E-01 | 0.272 | 0.274 | 1.01 | 0.9 | -1.14 | 1.18 | 6.84E-04 | PCDH15 | intronic |
| 1 | 1042927 | G | T | rs4970354 | 4.10E-01 | 0.447 | 0.451 | 0.99 | 0.88 | -1.1 | 5.59E-05 | 0.474 | 0.408 | 1.31 | 1.18 | -1.45 | 1.15 | 6.87E-04 | C1orf159 | intronic |
| 1 | 1040985 | C | G | rs6697379 | 4.04E-01 | 0.448 | 0.451 | 0.99 | 0.88 | -1.1 | 5.92E-05 | 0.475 | 0.409 | 1.31 | 1.18 | -1.45 | 1.15 | 6.88E-04 | C1orf159 | intronic |
| 1 | 1040940 | A | C | rs6702072 | 4.04E-01 | 0.448 | 0.451 | 0.99 | 0.88 | -1.1 | 5.93E-05 | 0.475 | 0.409 | 1.31 | 1.18 | -1.45 | 1.15 | 6.88E-04 | C1orf159 | intronic |
| 1 | 1040472 | C | T | rs6664124 | 4.03E-01 | 0.448 | 0.452 | 0.99 | 0.88 | -1.1 | 6.00E-05 | 0.475 | 0.409 | 1.31 | 1.18 | -1.45 | 1.15 | 6.89E-04 | C1orf159 | intronic |
| 8 | 117397606 | T | A | rs10107681 | 2.52E-05 | 0.459 | 0.524 | 0.77 | 0.69 | -0.86 | 5.21E-01 | 0.482 | 0.479 | 1.01 | 0.91 | -1.12 | 0.87 | 6.89E-04 | LINC00536(dist=60309), EIF3H(dist=259449) | intergenic |
| 21 | 34122295 | T | C | rs9981698 | 2.18E-05 | 0.119 | 0.160 | 0.71 | 0.6 | -0.83 | 5.83E-01 | 0.138 | 0.140 | 0.98 | 0.85 | -1.14 | 0.82 | 6.92E-04 | PAXBP1 | intronic |
| 20 | 20912219 | T | C | rs4815007 | 4.60E-01 | 0.476 | 0.489 | 0.95 | 0.85 | -1.06 | 3.93E-05 | 0.439 | 0.488 | 0.82 | 0.74 | -0.91 | 0.87 | 6.94E-04 | RALGAPA2(dist=218953), KIZ(dist=194405) | intergenic |
| 7 | 79077623 | C | A | rs116622485 | 4.31E-01 | 0.072 | 0.069 | 1.05 | 0.85 | -1.3 | 2.84E-05 | 0.089 | 0.062 | 1.50 | 1.24 | -1.81 | 1.32 | 6.95E-04 | MAGI2 | intergenic |
| 20 | 45480136 | C | T | rs76030878 | 4.62E-01 | 0.169 | 0.162 | 1.05 | 0.91 | -1.22 | 3.44E-05 | 0.188 | 0.152 | 1.29 | 1.12 | -1.47 | 1.22 | 6.96E-04 | SLC2A10(dist=115151), EYA2(dist=43127) | intergenic |
| 1 | 1043262 | T | C | rs4970356 | 4.12E-01 | 0.447 | 0.451 | 0.99 | 0.88 | -1.1 | 5.60E-05 | 0.473 | 0.407 | 1.31 | 1.18 | -1.45 | 1.15 | 6.97E-04 | C1orf159 | intronic |
| 1 | 1043053 | A | G | rs4970355 | 4.12E-01 | 0.447 | 0.451 | 0.99 | 0.88 | -1.1 | 5.65E-05 | 0.473 | 0.407 | 1.31 | 1.18 | -1.45 | 1.15 | 6.99E-04 | C1orf159 | intronic |
| 7 | 113530892 | C | T | rs4730602 | 9.82E-01 | 0.389 | 0.391 | 1.01 | 0.9 | -1.13 | 1.11E-06 | 0.429 | 0.366 | 0.77 | 0.69 | -0.85 | 0.87 | 6.99E-04 | PPP1R3A | intronic |
| 6 | 32524193 | C | T | rs116811823 | 2.46E-05 | 0.346 | 0.388 | 0.84 | 0.75 | -0.94 | 3.69E-01 | 0.414 | 0.421 | 0.97 | 0.88 | -1.08 | 0.84 | 7.00E-04 | HLA-DRB6 | ncRNA_intronic |
| 19 | 33483562 | A | G | rs7252338 | 8.15E-06 | 0.016 | 0.032 | 0.49 | 0.33 | -0.72 | 6.84E-01 | 0.021 | 0.023 | 0.91 | 0.64 | -1.3 | 0.59 | 7.01E-04 | RHPN2 | intronic |
| 6 | 14764877 | C | G | rs742038 | 3.42E-07 | 0.360 | 0.405 | 0.83 | 0.74 | -0.93 | 9.52E-01 | 0.399 | 0.422 | 0.91 | 0.82 | -1.01 | 0.86 | 7.02E-04 | LINC01108(dist=479192), JARID2(dist=481329) | intergenic |
| 1 | 1041700 | A | G | rs6604968 | 4.07E-01 | 0.448 | 0.451 | 0.99 | 0.88 | -1.1 | 5.95E-05 | 0.474 | 0.408 | 1.31 | 1.18 | -1.45 | 1.15 | 7.03E-04 | C1orf159 | intronic |
| 15 | 48774288 | A | G | rs11634866 | 2.43E-05 | 0.499 | 0.448 | 1.23 | 1.1 | -1.37 | 6.32E-01 | 0.449 | 0.437 | 1.05 | 0.95 | -1.17 | 1.14 | 7.03E-04 | FBN1 | intronic |
| 1 | 1039268 | T | C | rs9329410 | 4.06E-01 | 0.448 | 0.451 | 0.99 | 0.88 | -1.1 | 6.16E-05 | 0.475 | 0.409 | 1.31 | 1.18 | -1.45 | 1.15 | 7.06E-04 | C1orf159 | intronic |
| 1 | 1042673 | C | T | rs57879151 | 4.19E-01 | 0.446 | 0.450 | 0.98 | 0.88 | -1.1 | 5.14E-05 | 0.471 | 0.406 | 1.30 | 1.17 | -1.44 | 1.15 | 7.07E-04 | C1orf159 | intronic |
| 8 | 38865252 | A | G | rs73674685 | 7.43E-01 | 0.077 | 0.079 | 0.97 | 0.79 | -1.19 | 5.31E-06 | 0.107 | 0.070 | 1.58 | 1.33 | -1.89 | 1.28 | 7.11E-04 | ADAM9 | intronic |
| 12 | 43032357 | C | T | rs76048025 | 7.21E-01 | 0.046 | 0.047 | 0.98 | 0.75 | -1.27 | 1.20E-05 | 0.064 | 0.039 | 1.71 | 1.36 | -2.14 | 1.39 | 7.17E-04 | LOC101927058 | ncRNA_intronic |
| 8 | 128415459 | A | C | rs73706719 | 3.90E-01 | 0.084 | 0.093 | 0.89 | 0.74 | -1.08 | 3.85E-05 | 0.056 | 0.082 | 0.66 | 0.53 | -0.82 | 0.78 | 7.18E-04 | CASC8 | ncRNA_intronic |
| 6 | 31573524 | G | A | rs | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 12 | 12256375 | G | A | rs2416991 | 9.27E-01 | 0.291 | 0.284 | 0.97 | 0.86 | -1.09 | 5.51E-06 | 0.255 | 0.317 | 1.35 | 1.2 | -1.52 | 1.17 | 7.52E-04 | BCL2L14(dist=3748), MIR1244-4(dist=8511) | intergenic |
| 12 | 115940482 | A | T | rs1874904 | 8.62E-01 | 0.140 | 0.123 | 1.16 | 0.99 | -1.36 | 9.94E-06 | 0.196 | 0.175 | 1.15 | 1.01 | -1.31 | 1.22 | 7.56E-04 | TBX3(dist=818513), MED13L(dist=455899) | intergenic |
| 19 | 36904825 | T | C | rs10414054 | 5.79E-01 | 0.256 | 0.260 | 1.02 | 0.9 | -1.16 | 3.32E-05 | 0.247 | 0.297 | 1.29 | 1.14 | -1.45 | 1.17 | 7.59E-04 | ZFP82 | intronic |
| 11 | 36982781 | A | G | rs116779060 | 5.82E-01 | 0.033 | 0.033 | 0.99 | 0.73 | -1.35 | 7.02E-06 | 0.041 | 0.023 | 1.82 | 1.37 | -2.41 | 1.54 | 7.63E-04 | C11orf74(dist=301940), LOC103312105(dist=1657033) | intergenic |
| 9 | 115861201 | T | G | rs14111604 | 3.65E-01 | 0.059 | 0.056 | 1.05 | 0.83 | -1.33 | 5.86E-05 | 0.076 | 0.056 | 1.39 | 1.13 | -1.71 | 1.43 | 7.67E-04 | ZFP37(dist=42130), FAM225B(dist=5802) | intergenic |
| 17 | 15854947 | A | G | rs758858 | 3.97E-01 | 0.309 | 0.334 | 1.12 | 1 | -1.26 | 2.76E-05 | 0.270 | 0.302 | 1.17 | 1.04 | -1.31 | 1.16 | 7.68E-04 | ADORA2B | intronic |
| 14 | 57291762 | G | A | rs198263 | 5.41E-05 | 0.094 | 0.059 | 1.66 | 1.35 | -2.04 | 2.92E-01 | 0.099 | 0.104 | 0.94 | 0.79 | -1.12 | 1.34 | 7.75E-04 | OTX2-AS1 | ncRNA_intronic |
| 2 | 18399755 | A | T | rs13385815 | 3.73E-01 | 0.068 | 0.065 | 1.06 | 0.85 | -1.31 | 2.26E-05 | 0.077 | 0.052 | 1.53 | 1.25 | -1.88 | 1.36 | 7.77E-04 | KCNS3(dist=285530), RDH14(dist=336234) | intergenic |
| 2 | 80296234 | T | G | rs35417553;rs6723538 | 9.01E-01 | 0.068 | 0.063 | 0.92 | 0.74 | -1.15 | 5.51E-07 | 0.082 | 0.061 | 0.73 | 0.6 | -0.89 | 0.72 | 7.78E-04 | CTNNA2 | intronic |
| 12 | 12257135 | T | C | rs4763783 | 9.54E-01 | 0.288 | 0.282 | 0.97 | 0.86 | -1.09 | 5.68E-06 | 0.254 | 0.315 | 1.35 | 1.2 | -1.52 | 1.17 | 7.79E-04 | BCL2L14(dist=4508), MIR1244-4(dist=7751) | intergenic |
| 6 | 31515799 | G | A | rs2071591 | 4.27E-01 | 0.486 | 0.485 | 0.99 | 0.89 | -1.11 | 5.74E-05 | 0.451 | 0.512 | 1.28 | 1.15 | -1.42 | 1.14 | 7.81E-04 | NFKBIL1 | intronic |
| 12 | 43015343 | G | A | rs111773852 | 6.58E-01 | 0.048 | 0.048 | 0.99 | 0.77 | -1.28 | 1.84E-05 | 0.065 | 0.039 | 1.70 | 1.36 | -2.13 | 1.38 | 7.81E-04 | LOC101927058 | ncRNA_intronic |
| 1 | 26485291 | T | C | rs1335762 | 5.36E-01 | 0.192 | 0.175 | 1.13 | 0.98 | -1.3 | 3.16E-05 | 0.229 | 0.198 | 1.20 | 1.06 | -1.37 | 1.20 | 7.82E-04 | FAM110D | upstream |
| 15 | 48766250 | G | C | rs56686382 | 2.10E-05 | 0.500 | 0.449 | 1.23 | 1.1 | -1.37 | 6.87E-01 | 0.452 | 0.440 | 1.05 | 0.94 | -1.16 | 1.14 | 7.83E-04 | FBN1 | intronic |
| 2 | 211958795 | G | A | rs57130193 | 5.52E-01 | 0.173 | 0.173 | 1.00 | 0.86 | -1.15 | 1.14E-05 | 0.177 | 0.132 | 1.42 | 1.23 | -1.63 | 1.21 | 7.87E-04 | CPS1(dist=414963), ERBB4(dist=281647) | intergenic |
| 8 | 66476668 | A | G | rs181816253 | 6.82E-01 | 0.077 | 0.073 | 1.06 | 0.86 | -1.3 | 1.39E-05 | 0.104 | 0.078 | 1.39 | 1.16 | -1.65 | 1.30 | 7.95E-04 | LINC01299(dist=1767), ARMC1(dist=38023) | intergenic |
| 8 | 127606044 | C | G | rs12544179 | 4.22E-01 | 0.108 | 0.086 | 1.29 | 1.07 | -1.55 | 2.02E-05 | 0.164 | 0.148 | 1.13 | 0.98 | -1.3 | 1.29 | 7.96E-04 | FAM84B(dist=35333), PCAT1(dist=419355) | intergenic |
| 10 | 51782758 | A | G | rs4935373 | 3.76E-05 | 0.218 | 0.166 | 1.41 | 1.22 | -1.62 | 3.19E-01 | 0.214 | 0.216 | 0.99 | 0.87 | -1.12 | 1.29 | 8.02E-04 | FAM21EP | ncRNA_intronic |
| 8 | 66474399 | G | A | rs7008671 | 5.79E-01 | 0.073 | 0.068 | 1.08 | 0.87 | -1.34 | 2.47E-05 | 0.096 | 0.071 | 1.40 | 1.16 | -1.68 | 1.30 | 8.08E-04 | LINC01299 | ncRNA_intronic |
| 1 | 147220045 | C | A | rs12032789 | 1.77E-05 | 0.078 | 0.044 | 1.83 | 1.45 | -2.3 | 4.51E-01 | 0.069 | 0.071 | 0.96 | 0.78 | -1.18 | 1.33 | 8.12E-04 | ACP6(dist=77411), GJA5(dist=8287) | intergenic |
| 6 | 29441618 | C | T | rs7751705 | 5.79E-01 | 0.202 | 0.198 | 1.03 | 0.9 | -1.18 | 2.04E-05 | 0.237 | 0.182 | 1.39 | 1.23 | -1.58 | 1.19 | 8.13E-04 | OR2H1(dist=9519), MAS1L(dist=12925) | intergenic |
| 11 | 41217610 | G | A | rs114370510 | 2.69E-05 | 0.071 | 0.048 | 1.51 | 1.2 | -1.91 | 4.67E-01 | 0.062 | 0.054 | 1.14 | 0.92 | -1.43 | 1.35 | 8.19E-04 | LRRC4C | intronic |
| 14 | 97898039 | G | A | rs141339508 | 5.76E-01 | 0.047 | 0.045 | 1.03 | 0.79 | -1.34 | 3.32E-05 | 0.058 | 0.036 | 1.68 | 1.33 | -2.13 | 1.41 | 8.25E-04 | LINC00618(dist=486308), LOC101929241(dist=27114) | intergenic |
| 3 | 197673063 | C | T | rs148440303 | 5.62E-01 | 0.035 | 0.034 | 1.03 | 0.77 | -1.39 | 2.32E-05 | 0.047 | 0.029 | 1.62 | 1.25 | -2.11 | 1.54 | 8.29E-04 | IQCG | intronic |
| 8 | 66528604 | G | A | rs142339926 | 7.83E-01 | 0.073 | 0.036 | 1.07 | 0.86 | -1.32 | 5.99E-06 | 0.095 | 0.069 | 1.40 | 1.17 | -1.69 | 1.31 | 8.35E-04 | ARMC1 | intronic |
| 7 | 44325363 | G | T | rs34310058 | 7.27E-01 | 0.094 | 0.084 | 1.13 | 0.94 | -1.37 | 1.36E-05 | 0.088 | 0.132 | 0.64 | 0.53 | -0.76 | 0.79 | 8.39E-04 | CAMK2B | intronic |
| 6 | 29404913 | C | T | rs141611861 | 6.73E-01 | 0.107 | 0.113 | 0.94 | 0.79 | -1.12 | 2.31E-07 | 0.149 | 0.100 | 1.57 | 1.34 | -1.83 | 1.24 | 8.45E-04 | OR11A1(dist=9404), OR10C1(dist=2803) | intergenic |
| 6 | 32517782 | G | C | rs74324877 | 3.65E-05 | 0.101 | 0.126 | 0.78 | 0.65 | -0.92 | 3.70E-01 | 0.125 | 0.139 | 0.89 | 0.76 | -1.04 | 0.78 | 8.49E-04 | HLA-DRB5(dist=19776), HLA-DRB6(dist=2708) | intergenic |
| 8 | 128413978 | T | C | rs7008058 | 3.79E-01 | 0.084 | 0.093 | 0.89 | 0.74 | -1.08 | 6.47E-05 | 0.057 | 0.083 | 0.67 | 0.54 | -0.83 | 0.78 | 8.52E-04 | CCAT2 | ncRNA_exonic |
| 7 | 153925625 | A | C | rs100275866 | 6.24E-06 | 0.127 | 0.093 | 1.41 | 1.19 | -1.68 | 8.88E-01 | 0.104 | 0.101 | 1.03 | 0.87 | -1.23 | 1.27 | 8.54E-04 | DPP6 | intronic |
| 6 | 31521903 | G | T | rs3094594 | 4.45E-01 | 0.487 | 0.485 | 0.99 | 0.89 | -1.11 | 6.05E-05 | 0.547 | 0.486 | 1.28 | 1.15 | -1.42 | 1.14 | 8.56E-04 | NFKBIL1 | intronic |
| 4 | 77758502 | C | T | rs28571682 | 5.44E-05 | 0.094 | 0.063 | 1.53 | 1.25 | -1.88 | 4.45E-01 | 0.078 | 0.077 | 1.02 | 0.84 | -1.24 | 1.29 | 8.57E-04 | SHROOM3(dist=54097), SOWAHD(dist=57580) | intergenic |
| 2 | 18421964 | T | G | rs13432352 | 4.20E-01 | 0.129 | 0.126 | 1.03 | 0.87 | -1.21 | 4.24E-05 | 0.158 | 0.121 | 1.37 | 1.18 | -1.59 | 1.23 | 8.63E-04 | KCNS3(dist=307739), RDH14(dist=314025) | intergenic |
| 18 | 52327970 | C | G | rs75942301 | 5.89E-01 | 0.083 | 0.082 | 1.01 | 0.83 | -1.23 | 1.75E-05 | 0.092 | 0.063 | 1.52 | 1.26 | -1.83 | 1.29 | 8.68E-04 | DYNAP(dist=61246), RAB27B(dist=167738) | intergenic |
| 8 | 38860177 | C | A | rs61456957 | 7.96E-01 | 0.083 | 0.085 | 0.97 | 0.79 | -1.18 | 5.47E-06 | 0.112 | 0.074 | 1.57 | 1.32 | -1.86 | 1.28 | 8.71E-04 | ADAM9 | intronic |
| 8 | 128425346 | T | G | rs56364999 | 4.12E-01 | 0.085 | 0.093 | 0.90 | 0.74 | -1.09 | 5.72E-05 | 0.059 | 0.086 | 0.67 | 0.54 | -0.83 | 0.79 | 8.78E-04 | CASC8 | ncRNA_intronic |
| 2 | 18420372 | C | A | rs13425583 | 4.25E-01 | 0.128 | 0.126 | 1.02 | 0.87 | -1.21 | 4.23E-05 | 0.158 | 0.121 | 1.37 | 1.18 | -1.59 | 1.23 | 8.81E-04 | KCNS3(dist=306147), RDH14(dist=315617) | intergenic |
| 17 | 33113659 | G | A | rs78223768 | 8.82E-06 | 0.051 | 0.083 | 0.59 | 0.47 | -0.74 | 9.11E-01 | 0.060 | 0.058 | 1.02 | 0.82 | -1.28 | 0.76 | 8.96E-04 | TMEM132E(dist=147317), CCT6B(dist=141219) | intergenic |
| 4 | 95861615 | G | A | rs6842585 | 3.89E-05 | 0.163 | 0.123 | 1.38 | 1.18 | -1.62 | 6.02E-01 | 0.132 | 0.133 | 0.99 | 0.85 | -1.16 | 1.22 | 8.99E-04 | BMPR1B | intronic |
| 20 | 58257985 | A | G | rs11166514 | 6.05E-01 | 0.135 | 0.136 | 0.99 | 0.84 | -1.16 | 5.69E-06 | 0.141 | 0.103 | 1.43 | 1.23 | -1.68 | 1.24 | 9.00E-04 | PHACTR3 | intronic |
| 2 | 224823604 | C | A | rs73992134 | 5.52E-06 | 0.047 | 0.025 | 1.91 | 1.42 | -2.57 | 7.47E-01 | 0.027 | 0.027 | 1.00 | 0.72 | -1.38 | 1.53 | 9.02E-04 | MRPL44 | intronic |
| 8 | 128422983 | A | G | rs60626102 | 4.03E-01 | 0.084 | 0.093 | 0.90 | 0.74 | -1.09 | 6.45E-05 | 0.059 | 0.085 | 0.67 | 0.54 | -0.83 | 0.79 | 9.03E-04 | CASC8 | ncRNA_intronic |
| 18 | 69145870 | A | G | rs115644503 | 6.94E-01 | 0.057 | 0.057 | 1.00 | 0.79 | -1.26 | 1.56E-05 | 0.070 | 0.047 | 1.54 | 1.24 | -1.91 | 1.39 | 9.03E-04 | GTSCR1(dist=827777), LINC01541(dist=41330) | intergenic |
| 8 | 127604304 | G | C | rs11776332 | 4.40E-01 | 0.108 | 0.086 | 1.29 | 1.07 | -1.55 | 2.20E-05 | 0.164 | 0.148 | 1.13 | 0.98 | -1.3 | 1.29 | 9.04E-04 | FAM84B(dist=33593), PCAT1(dist=421095) | intergenic |
| 20 | 55447299 | T | C | rs4811771 | 4.59E-01 | 0.452 | 0.441 | 0.96 | 0.86 | -1.07 | 4.15E-05 | 0.511 | 0.479 | 0.88 | 0.79 | -0.98 | 0.84 | 9.09E-04 | TFAP2C(dist=232961), BMP7(dist=296510) | intergenic |
| 1 | 158520466 | T | G | rs6697568 | 5.06E-06 | 0.384 | 0.314 | 0.74 | 0.66 | -0.82 | 8.02E-01 | 0.341 | 0.347 | 1.02 | 0.92 | -1.14 | 0.87 | 9.19E-04 | OR6Y1(dist=2571), OR6P1(dist=11975) | intergenic |
| 7 | 79074689 | T | C | rs7778407 | 4.47E-01 | 0.074 | 0.071 | 1.05 | 0.85 | -1.29 | 4.42E-05 | 0.092 | 0.065 | 1.47 | 1.22 | -1.77 | 1.31 | 9.27E-04 | MAGI2 | intronic |
| 2 | 18416928 | C | G | rs11898461 | 4.21E-01 | 0.129 | 0.126 | 1.02 | 0.87 | -1.21 | 4.74E-05 | 0.158 | 0.121 | 1.37 | 1.18 | -1.58 | 1.23 | 9.30E-04 | KCNS3(dist=302703), RDH14(dist=319061) | intergenic |
| 2 | 18418256 | G | A | rs10206173 | 4.31E-01 | 0.128 | 0.126 | 1.02 | 0.87 | -1.2 | 4.67E-05 | 0.158 | 0.121 | 1.37 | 1.18 | -1.59 | 1.23 | 9.34E-04 | KCNS3(dist=304031), RDH14(dist=317733) | intergenic |
| 14 | 51445561 | T | C | rs73288814 | 9.61E-06 | 0.177 | 0.138 | 1.34 | 1.16 | -1.56 | 7.28E-01 | 0.141 | 0.134 | 1.06 | 0.91 | -1.24 | 1.22 | 9.34E-04 | TRIM9 | intronic |
| 2 | 57698355 | T | C | rs80155642 | 5.43E-01 | 0.033 | 0.028 | 1.19 | 0.87 | -1.64 | 8.58E-06 | 0.040 | 0.026 | 1.59 | 1.2 | -2.11 | 1.54 | 9.39E-04 | CCDC85A(dist=1085046), VRK2(dist=436431) | intergenic |
| 7 | 157987251 | T | C | rs4416779 | 6.22E-01 | 0.265 | 0.256 | 0.96 | 0.84 | -1.08 | 1.10E-05 | 0.262 | 0.319 | 1.32 | 1.17 | -1.48 | 1.17 | 9.41E-04 | PTPRN2 | intronic |
| 11 | 7855756 | C | T | rs1384510 | 6.97E-01 | 0.417 | 0.398 | 1.08 | 0.97 | -1.21 | 3.15E-07 | 0.350 | 0.426 | 0.73 | 0.65 | -0.81 | 0.87 | 9.44E-04 | OR5P3(dist=8237), OR5E1P(dist=14842) | intergenic |
| 5 | 13913885 | A | G | rs3213936 | 5.99E-01 | 0.480 | 0.471 | 0.97 | 0.87 | -1.08 | 2.51E-05 | 0.522 | 0.471 | 0.82 | 0.74 | -0.91 | 0.88 | 9.48E-04 | DNAH5 | exonic |
| 16 | 85084266 | A | G | rs8047023 | 8.60E-01 | 0.383 | 0.372 | 0.96 | 0.86 | -1.07 | 8.72E-06 | 0.346 | 0.412 | 1.32 | 1.19 | -1.47 | 1.15 | 9.54E-04 | KIAA0513 | intronic |
| 3 | 64013249 | T | C | rs35837 | 8.28E-01 | 0.259 | 0.262 | 0.99 | 0.87 | -1.12 | 9.21E-06 | 0.284 | 0.234 | 1.30 | 1.15 | -1.46 | 1.17 | 9.56E-04 | PSMD6(dist=3563), PRICKLE2-AS1(dist=40391) | intergenic |
| 12 | 5070721 | A | T | rs79224966 | 1.18E-05 | 0.058 | 0.030 | 1.98 | 1.51 | -2.6 | 5.85E-01 | 0.062 | 0.064 | 0.97 | 0.78 | -1.2 | 1.38 | 9.57E-04 | KCNA1(dist=43299), KCNA5(dist=82364) | intergenic |
| 17 | | | | | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 14 | 62731831 | G | C | rs11621514 | 7.23E-01 | 0.388 | 0.393 | 1.02 | 0.91 | -1.14 | 2.16E-05 | 0.409 | 0.348 | 0.77 | 0.69 | -0.86 | 0.87 | 9.83E-04 | LINC00644(dist=125140), KCNH5(dist=441460) | intergenic |
| 5 | 13914985 | C | G | rs13180671 | 6.55E-01 | 0.477 | 0.469 | 0.97 | 0.87 | -1.08 | 1.83E-05 | 0.521 | 0.469 | 0.81 | 0.73 | -0.9 | 0.88 | 9.83E-04 | DNAH5 | intronic |
| 11 | 121364963 | A | G | rs687228 | 5.71E-05 | 0.285 | 0.334 | 0.79 | 0.71 | -0.9 | 5.77E-01 | 0.345 | 0.357 | 0.95 | 0.85 | -1.06 | 0.86 | 9.89E-04 | SORL1 | intronic |
| 11 | 121365860 | A | G | rs656338 | 5.23E-05 | 0.285 | 0.334 | 0.79 | 0.7 | -0.89 | 4.46E-01 | 0.314 | 0.329 | 0.93 | 0.83 | -1.04 | 0.87 | 9.91E-04 | SORL1 | intronic |
| 7 | 153933707 | C | A | rs7803409 | 7.94E-06 | 0.124 | 0.092 | 1.39 | 1.16 | -1.66 | 8.74E-01 | 0.101 | 0.098 | 1.03 | 0.87 | -1.23 | 1.29 | 1.00E-03 | DPP6 | intronic |
| 10 | 83352644 | G | C | rs72816051 | 5.22E-01 | 0.112 | 0.111 | 1.01 | 0.85 | -1.2 | 2.62E-05 | 0.124 | 0.095 | 1.34 | 1.14 | -1.58 | 1.28 | 1.00E-03 | SH2D4B(dist=946328), NRG3(dist=282426) | intergenic |
| 5 | 13914360 | A | T | rs12654693 | 6.53E-01 | 0.477 | 0.469 | 0.97 | 0.87 | -1.08 | 1.92E-05 | 0.521 | 0.469 | 0.81 | 0.73 | -0.9 | 0.88 | 1.00E-03 | DNAH5 | intronic |
| 5 | 13914193 | T | A | rs12652241 | 6.52E-01 | 0.477 | 0.469 | 0.97 | 0.87 | -1.08 | 1.93E-05 | 0.521 | 0.469 | 0.81 | 0.73 | -0.9 | 0.88 | 1.01E-03 | DNAH5 | intronic |
| 7 | 141276835 | G | A | rs34428748 | 3.64E-05 | 0.209 | 0.154 | 1.45 | 1.26 | -1.67 | 5.85E-01 | 0.207 | 0.209 | 0.98 | 0.87 | -1.12 | 1.19 | 1.01E-03 | AGK | intronic |
| 2 | 224780745 | C | G | rs73994435 | 2.57E-06 | 0.049 | 0.026 | 1.90 | 1.42 | -2.56 | 7.22E-01 | 0.033 | 0.033 | 1.01 | 0.75 | -1.35 | 1.50 | 1.01E-03 | WDFY1 | intronic |
| 13 | 48050278 | C | T | rs9595719 | 4.80E-05 | 0.074 | 0.113 | 0.62 | 0.51 | -0.76 | 5.22E-01 | 0.092 | 0.090 | 1.02 | 0.85 | -1.22 | 0.79 | 1.01E-03 | HTR2A(dist=579067), LINC00562(dist=454010) | intergenic |
| 8 | 38855782 | G | C | rs73674683 | 7.94E-01 | 0.077 | 0.080 | 0.96 | 0.78 | -1.18 | 8.16E-06 | 0.106 | 0.070 | 1.58 | 1.32 | -1.89 | 1.27 | 1.02E-03 | ADAM9 | intronic |
| 4 | 77415024 | C | T | rs147671233 | 2.33E-05 | 0.016 | 0.032 | 0.49 | 0.33 | -0.72 | 7.08E-01 | 0.019 | 0.021 | 0.88 | 0.61 | -1.29 | 0.63 | 1.02E-03 | SHROOM3 | intronic |
| 7 | 141306302 | A | G | rs3924731 | 3.63E-05 | 0.209 | 0.154 | 1.45 | 1.26 | -1.67 | 5.78E-01 | 0.204 | 0.207 | 0.99 | 0.87 | -1.12 | 1.19 | 1.03E-03 | AGK | intronic |
| 4 | 122554241 | A | C | rs60035947 | 9.58E-01 | 0.285 | 0.282 | 1.02 | 0.9 | -1.15 | 2.40E-06 | 0.240 | 0.296 | 0.75 | 0.67 | -0.85 | 0.86 | 1.03E-03 | QRFPR(dist=252060), ANXA5(dist=34911) | intergenic |
| 7 | 153910475 | G | A | rs73485487 | 1.81E-05 | 0.128 | 0.095 | 1.39 | 1.17 | -1.65 | 9.46E-01 | 0.099 | 0.096 | 1.05 | 0.88 | -1.24 | 1.26 | 1.03E-03 | DPP6 | intronic |
| 14 | 77167140 | C | T | rs17104805 | 5.41E-01 | 0.125 | 0.118 | 1.07 | 0.91 | -1.27 | 5.79E-05 | 0.144 | 0.114 | 1.30 | 1.12 | -1.52 | 1.23 | 1.03E-03 | ESRRB(dist=198960), VASH1(dist=61095) | intergenic |
| 5 | 13915280 | G | A | rs6893653 | 6.19E-01 | 0.474 | 0.465 | 0.97 | 0.87 | -1.08 | 2.50E-05 | 0.516 | 0.466 | 0.82 | 0.74 | -0.91 | 0.88 | 1.03E-03 | DNAH5 | intronic |
| 18 | 4848173 | A | G | rs6506254 | 4.78E-01 | 0.119 | 0.118 | 0.99 | 0.83 | -1.17 | 1.76E-05 | 0.136 | 0.103 | 0.72 | 0.62 | -0.85 | 0.80 | 1.03E-03 | DLGAP1(dist=392907), C18orf42(dist=295499) | intergenic |
| 2 | 18411082 | A | T | rs10189664 | 4.21E-01 | 0.129 | 0.126 | 1.02 | 0.87 | -1.21 | 5.68E-05 | 0.158 | 0.121 | 1.36 | 1.18 | -1.58 | 1.22 | 1.03E-03 | KCNS3(dist=296857), RDH14(dist=324907) | intergenic |
| 4 | 75026531 | G | A | rs148071950 | 4.17E-06 | 0.044 | 0.025 | 1.78 | 1.31 | -2.41 | 7.88E-01 | 0.023 | 0.022 | 1.02 | 0.72 | -1.45 | 1.57 | 1.03E-03 | MTHFD2L | intronic |
| 6 | 29404393 | A | G | rs11757272 | 7.02E-01 | 0.108 | 0.113 | 0.94 | 0.79 | -1.12 | 3.71E-07 | 0.145 | 0.098 | 1.57 | 1.34 | -1.83 | 1.24 | 1.04E-03 | OR11A1(dist=8884), OR10C1(dist=3323) | intergenic |
| 11 | 121367921 | C | T | rs668387 | 5.52E-05 | 0.284 | 0.334 | 0.79 | 0.7 | -0.89 | 4.53E-01 | 0.315 | 0.330 | 0.93 | 0.84 | -1.04 | 0.87 | 1.04E-03 | SORL1 | intronic |
| 11 | 121369801 | G | T | rs633197 | 5.98E-05 | 0.286 | 0.335 | 0.80 | 0.71 | -0.9 | 4.40E-01 | 0.314 | 0.329 | 0.93 | 0.83 | -1.04 | 0.87 | 1.04E-03 | SORL1 | intronic |
| 7 | 141287652 | G | A | rs4725559 | 4.01E-05 | 0.213 | 0.157 | 1.45 | 1.26 | -1.67 | 5.80E-01 | 0.206 | 0.208 | 0.99 | 0.87 | -1.12 | 1.19 | 1.04E-03 | AGK | intronic |
| 5 | 13924740 | C | T | rs2053685 | 5.83E-01 | 0.489 | 0.497 | 0.97 | 0.87 | -1.08 | 2.52E-05 | 0.445 | 0.495 | 0.82 | 0.74 | -0.91 | 0.88 | 1.05E-03 | DNAH5 | intronic |
| 5 | 117735755 | C | A | rs80144360 | 5.64E-01 | 0.063 | 0.062 | 1.01 | 0.81 | -1.27 | 3.16E-05 | 0.081 | 0.054 | 1.55 | 1.27 | -1.89 | 1.34 | 1.05E-03 | LOC101927280 | ncRNA_intronic |
| 19 | 36866623 | G | C | rs4006082 | 9.35E-01 | 0.352 | 0.352 | 1.00 | 0.89 | -1.12 | 2.87E-06 | 0.350 | 0.404 | 1.26 | 1.13 | -1.4 | 1.16 | 1.06E-03 | ZFP14 | intronic |
| 11 | 7855688 | T | C | rs1384511 | 6.75E-01 | 0.416 | 0.397 | 1.09 | 0.97 | -1.21 | 3.06E-07 | 0.350 | 0.425 | 0.73 | 0.65 | -0.81 | 0.87 | 1.06E-03 | OR5P3(dist=8169), OR5E1P(dist=14910) | intergenic |
| 7 | 153903800 | G | A | rs6971478 | 1.37E-05 | 0.133 | 0.100 | 1.39 | 1.17 | -1.65 | 9.92E-01 | 0.105 | 0.102 | 1.04 | 0.88 | -1.23 | 1.25 | 1.06E-03 | DPP6 | intronic |
| 12 | 12260223 | A | G | rs61344881 | 8.76E-01 | 0.320 | 0.316 | 0.98 | 0.87 | -1.1 | 1.18E-05 | 0.298 | 0.353 | 1.29 | 1.15 | -1.44 | 1.17 | 1.06E-03 | BCL2L14(dist=7596), MIR1244-4(dist=4663) | intergenic |
| 7 | 153908196 | T | A | rs56661500 | 1.78E-05 | 0.132 | 0.100 | 1.38 | 1.16 | -1.64 | 9.39E-01 | 0.107 | 0.102 | 1.05 | 0.88 | -1.24 | 1.25 | 1.06E-03 | DPP6 | intronic |
| 13 | 112325252 | G | A | rs386774869;rs1111840 | 3.87E-01 | 0.343 | 0.348 | 0.98 | 0.87 | -1.1 | 3.56E-05 | 0.352 | 0.299 | 1.27 | 1.14 | -1.42 | 1.18 | 1.07E-03 | TEX29(dist=328658), LINC00354(dist=222440) | intergenic |
| 10 | 57171740 | T | C | rs11818876 | 4.67E-05 | 0.058 | 0.090 | 0.63 | 0.5 | -0.78 | 3.58E-01 | 0.070 | 0.074 | 0.94 | 0.77 | -1.15 | 0.76 | 1.07E-03 | PCDH15(dist=610689), MTRNR2L5(dist=187010) | intergenic |
| 7 | 153912050 | C | T | rs28576062 | 9.24E-06 | 0.131 | 0.099 | 1.38 | 1.16 | -1.63 | 9.14E-01 | 0.101 | 0.098 | 1.03 | 0.87 | -1.23 | 1.27 | 1.08E-03 | DPP6 | intronic |
| 5 | 13913367 | G | A | rs2896117 | 6.33E-01 | 0.481 | 0.473 | 0.97 | 0.87 | -1.08 | 2.51E-05 | 0.523 | 0.473 | 0.82 | 0.74 | -0.91 | 0.88 | 1.08E-03 | DNAH5 | intronic |
| 2 | 18405733 | T | C | rs78721896 | 4.18E-01 | 0.129 | 0.126 | 1.02 | 0.87 | -1.21 | 6.35E-05 | 0.160 | 0.123 | 1.36 | 1.17 | -1.57 | 1.22 | 1.08E-03 | KCNS3(dist=291508), RDH14(dist=330256) | intergenic |
| 11 | 121370023 | A | G | rs596437 | 6.01E-05 | 0.286 | 0.335 | 0.80 | 0.71 | -0.9 | 4.52E-01 | 0.315 | 0.330 | 0.93 | 0.84 | -1.04 | 0.87 | 1.09E-03 | SORL1 | intronic |
| 4 | 85387480 | A | G | rs1822836 | 5.85E-01 | 0.333 | 0.328 | 1.03 | 0.91 | -1.15 | 5.36E-05 | 0.356 | 0.306 | 1.25 | 1.12 | -1.4 | 1.15 | 1.09E-03 | LOC101928978(dist=167158), NKX6-1(dist=26956) | intergenic |
| 5 | 13913265 | A | T | rs6881752 | 6.35E-01 | 0.481 | 0.473 | 0.97 | 0.87 | -1.08 | 2.52E-05 | 0.523 | 0.473 | 0.82 | 0.74 | -0.91 | 0.88 | 1.09E-03 | DNAH5 | intronic |
| 2 | 224788923 | T | C | rs73994441 | 3.28E-06 | 0.049 | 0.027 | 1.88 | 1.4 | -2.52 | 7.35E-01 | 0.033 | 0.033 | 1.01 | 0.76 | -1.35 | 1.49 | 1.10E-03 | WDFY1 | intronic |
| 2 | 224791466 | C | T | rs76170429 | 3.31E-06 | 0.049 | 0.027 | 1.88 | 1.4 | -2.52 | 7.35E-01 | 0.033 | 0.033 | 1.01 | 0.75 | -1.35 | 1.49 | 1.10E-03 | WDFY1 | intronic |
| 17 | 33124755 | G | C | rs148312904 | 1.26E-05 | 0.051 | 0.082 | 0.59 | 0.47 | -0.75 | 9.19E-01 | 0.058 | 0.057 | 1.02 | 0.82 | -1.28 | 0.76 | 1.11E-03 | TMEM132E(dist=158413), CCT6B(dist=130123) | intergenic |
| 2 | 224795310 | G | A | rs61607350 | 3.34E-06 | 0.049 | 0.027 | 1.88 | 1.4 | -2.51 | 7.35E-01 | 0.033 | 0.033 | 1.01 | 0.76 | -1.35 | 1.49 | 1.11E-03 | WDFY1 | intronic |
| 12 | 43020709 | A | G | rs113689305 | 7.86E-01 | 0.047 | 0.048 | 0.97 | 0.75 | -1.26 | 1.70E-05 | 0.065 | 0.039 | 1.70 | 1.36 | -2.14 | 1.37 | 1.11E-03 | LOC101927058 | ncRNA_intronic |
| 10 | 51465650 | C | T | rs199898426 | 4.19E-06 | 0.238 | 0.182 | 1.40 | 1.23 | -1.6 | 6.48E-01 | 0.236 | 0.242 | 0.97 | 0.86 | -1.09 | 1.26 | 1.11E-03 | AGAP7P | ncRNA_exonic |
| 5 | 13912992 | A | T | rs13169928 | 6.38E-01 | 0.481 | 0.473 | 0.97 | 0.87 | -1.08 | 2.56E-05 | 0.523 | 0.473 | 0.82 | 0.74 | -0.91 | 0.88 | 1.11E-03 | DNAH5 | intronic |
| 12 | 5072479 | G | A | rs76846413 | 1.83E-05 | 0.056 | 0.029 | 1.98 | 1.5 | -2.61 | 5.68E-01 | 0.061 | 0.063 | 0.97 | 0.78 | -1.2 | 1.38 | 1.11E-03 | KCNA1(dist=45057), KCNA5(dist=80606) | intergenic |
| 2 | 18404520 | C | T | rs13390392 | 4.28E-01 | 0.128 | 0.125 | 1.02 | 0.87 | -1.21 | 6.44E-05 | 0.160 | 0.123 | 1.36 | 1.17 | -1.57 | 1.22 | 1.11E-03 | KCNS3(dist=290295), RDH14(dist=331469) | intergenic |
| 17 | 33126878 | G | A | rs115645926 | 1.27E-05 | 0.051 | 0.082 | 0.59 | 0.47 | -0.75 | 9.21E-01 | 0.058 | 0.057 | 1.02 | 0.82 | -1.28 | 0.76 | 1.12E-03 | TMEM132E(dist=160536), CCT6B(dist=128000) | intergenic |
| 4 | 58636091 | A | G | rs147377103 | 9.56E-01 | 0.042 | 0.043 | 0.99 | 0.75 | -1.3 | 4.62E-06 | 0.055 | 0.030 | 1.87 | 1.46 | -2.39 | 1.38 | 1.12E-03 | LOC101928851(dist=303939), NONE(dist=NONE) | intergenic |
| 11 | 7856259 | T | C | rs10769838 | 6.62E-01 | 0.417 | 0.397 | 1.09 | 0.97 | -1.21 | 3.16E-07 | 0.350 | 0.426 | 0.73 | 0.65 | -0.81 | 0.87 | 1.12E-03 | OR5P3(dist=8740), OR5E1P(dist=14339) | intergenic |
| 2 | 196732301 | T | G | rs13028172 | 7.70E-01 | 0.184 | 0.167 | 1.13 | 0.98 | -1.31 | 2.25E-05 | 0.177 | 0.239 | 0.69 | 0.6 | -0.78 | 0.84 | 1.12E-03 | DNAH7 | intronic |
| 11 | 121371120 | G | A | rs689021 | 6.28E-05 | 0.287 | 0.335 | 0.80 | 0.71 | -0.9 | 4.51E-01 | 0.314 | 0.329 | 0.93 | 0.84 | -1.04 | 0.87 | 1.12E-03 | SORL1 | intronic |
| 12 | 43022641 | G | T | rs112491232 | 7.98E-01 | 0.047 | 0.048 | 0.97 | 0.75 | -1.26 | 1.67E-05 | 0.065 | 0.039 | 1.70 | 1.36 | -2.13 | 1.37 | 1.12E-03 | LOC101927058 | ncRNA_intronic |
| 2 | 158830826 | C | G | rs13008046 | 7.05E-01 | 0.125 | 0.123 | 1.02 | 0.86 | -1.2 | 8.80E-06 | 0.144 | 0.107 | 1.41 | 1.21 | -1.64 | 1.23 | 1.12E-03 | ACVR1(dist=98452), UPP2(dist=20865) | intergenic |
| 2 | 60135996 | C | G | rs1030320 | 6.70E-01 | 0.410 | 0.425 | 1.06 | 0.95 | -1.19 | 1.98E-05 | 0.368 | 0.418 | 1.23 | 1.11 | -1.37 | 1.14 | 1.13E-03 | LOC101927285(dist=629461), MIR4432(dist=478501) | intergenic |
| 11 | 7856414 | T | C | rs10839882 | 6.68E-01 | 0.416 | 0.396 | 1.09 | | | | | | | | | | | | |

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|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|-----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 6 | 167213934 | A | G | rs4710104 | 1.97E-05 | 0.087 | 0.128 | 0.65 | 0.54 | -0.78 | 6.80E-01 | 0.104 | 0.103 | 1.01 | 0.85 | -1.19 | 0.80 | 1.14E-03 | RPS6KA2 | intronic |
| 10 | 32398895 | T | C | rs211424 | 7.36E-06 | 0.344 | 0.417 | 1.36 | 1.22 | -1.53 | 5.87E-01 | 0.357 | 0.356 | 1.00 | 0.89 | -1.11 | 1.15 | 1.14E-03 | KIF5B(dist=53524), EPC1(dist=157749) | intergenic |
| 8 | 38839492 | G | T | rs111979509 | 7.82E-01 | 0.076 | 0.079 | 0.97 | 0.79 | -1.19 | 18.94E-06 | 0.104 | 0.068 | 1.58 | 1.32 | -1.89 | 1.28 | 1.14E-03 | HTRA4 | intronic |
| 5 | 13912168 | G | C | rs12657236 | 6.43E-01 | 0.481 | 0.473 | 0.97 | 0.87 | -1.08 | 2.63E-05 | 0.523 | 0.473 | 0.82 | 0.74 | -0.91 | 0.88 | 1.14E-03 | DNAH5 | intronic |
| 4 | 58637102 | G | A | rs187655745 | 9.68E-01 | 0.042 | 0.043 | 0.99 | 0.75 | -1.29 | 4.61E-06 | 0.055 | 0.030 | 1.87 | 1.46 | -2.4 | 1.38 | 1.14E-03 | LOC101928851(dist=304950), NONE(dist=NONE) | intergenic |
| 10 | 57174013 | C | T | rs115173774 | 4.52E-05 | 0.058 | 0.090 | 0.63 | 0.5 | -0.78 | 3.76E-01 | 0.070 | 0.074 | 0.94 | 0.77 | -1.16 | 0.76 | 1.15E-03 | PCDH15(dist=612962), MTRNR2L5(dist=184737) | intergenic |
| 19 | 18256548 | C | T | rs73925428 | 6.36E-05 | 0.061 | 0.040 | 1.56 | 1.21 | -2 | 5.50E-01 | 0.049 | 0.042 | 1.15 | 0.9 | -1.47 | 1.37 | 1.15E-03 | MAST3 | intronic |
| 4 | 18575715 | G | A | rs4235396 | 5.09E-05 | 0.525 | 0.466 | 1.26 | 1.13 | -1.41 | 5.89E-01 | 0.480 | 0.481 | 1.00 | 0.9 | -1.11 | 1.14 | 1.15E-03 | LOCORL(dist=552232), SLIT2(dist=1679472) | intergenic |
| 10 | 15456585 | A | G | rs61842743 | 6.25E-01 | 0.072 | 0.066 | 1.11 | 0.89 | -1.37 | 4.43E-05 | 0.087 | 0.063 | 1.41 | 1.16 | -1.71 | 1.31 | 1.15E-03 | FAM171A1(dist=43527), ITGA8(dist=99363) | intergenic |
| 10 | 53114079 | C | T | rs1189311 | 4.84E-05 | 0.386 | 0.337 | 0.81 | 0.72 | -0.91 | 4.04E-01 | 0.374 | 0.365 | 0.96 | 0.86 | -1.07 | 0.85 | 1.15E-03 | PRKG1 | intronic |
| 12 | 5070097 | C | G | rs75872755 | 1.76E-05 | 0.056 | 0.029 | 2.00 | 1.51 | -2.64 | 5.79E-01 | 0.061 | 0.063 | 0.97 | 0.78 | -1.2 | 1.38 | 1.15E-03 | KCNA1(dist=42675), KCNA5(dist=82988) | intergenic |
| 6 | 29408057 | C | A | rs11755182 | 6.33E-01 | 0.104 | 0.110 | 0.93 | 0.78 | -1.12 | 4.32E-07 | 0.144 | 0.096 | 1.57 | 1.35 | -1.84 | 1.24 | 1.16E-03 | OR10C1 | exonic |
| 5 | 117767075 | A | T | rs56899033 | 5.73E-01 | 0.079 | 0.079 | 1.00 | 0.82 | -1.23 | 3.16E-05 | 0.093 | 0.063 | 1.52 | 1.26 | -1.84 | 1.30 | 1.16E-03 | LOC101927280 | ncRNA_intronic |
| 11 | 21549057 | T | C | rs10741884 | 6.53E-01 | 0.143 | 0.131 | 1.11 | 0.95 | -1.3 | 4.23E-05 | 0.118 | 0.169 | 0.66 | 0.56 | -0.77 | 0.82 | 1.16E-03 | NELL1 | intronic |
| 13 | 42988924 | A | G | rs7327510 | 5.11E-05 | 0.330 | 0.377 | 1.23 | 1.1 | -1.38 | 4.73E-01 | 0.345 | 0.362 | 1.08 | 0.97 | -1.2 | 1.15 | 1.17E-03 | AKAP11(dist=91521), TNFSF11(dist=147948) | intergenic |
| 5 | 13919083 | C | T | rs6893848 | 5.25E-01 | 0.493 | 0.502 | 0.96 | 0.86 | -1.08 | 4.81E-05 | 0.450 | 0.499 | 0.82 | 0.74 | -0.91 | 0.88 | 1.17E-03 | DNAH5 | intronic |
| 11 | 102710257 | A | G | rs3025068 | 5.27E-01 | 0.028 | 0.026 | 1.09 | 0.77 | -1.52 | 6.23E-05 | 0.040 | 0.022 | 1.83 | 1.37 | -2.44 | 1.51 | 1.17E-03 | MMP3 | intronic |
| 10 | 15457052 | T | A | rs61842745 | 6.13E-01 | 0.072 | 0.066 | 1.11 | 0.89 | -1.37 | 4.92E-05 | 0.087 | 0.063 | 1.41 | 1.16 | -1.7 | 1.31 | 1.17E-03 | FAM171A1(dist=43994), ITGA8(dist=98896) | intergenic |
| 8 | 127601719 | T | C | rs10956312 | 4.57E-01 | 0.107 | 0.085 | 1.29 | 1.07 | -1.55 | 3.13E-05 | 0.164 | 0.148 | 1.12 | 0.97 | -1.29 | 1.28 | 1.18E-03 | FAM84B(dist=31008), PCAT1(dist=423680) | intergenic |
| 8 | 38840708 | G | C | rs80147677 | 7.93E-01 | 0.076 | 0.079 | 0.96 | 0.79 | -1.18 | 9.18E-06 | 0.104 | 0.068 | 1.58 | 1.32 | -1.89 | 1.27 | 1.18E-03 | HTRA4 | intronic |
| 5 | 13912798 | T | A | rs13189765 | 6.47E-01 | 0.481 | 0.473 | 0.97 | 0.87 | -1.08 | 2.69E-05 | 0.524 | 0.474 | 0.82 | 0.74 | -0.91 | 0.88 | 1.18E-03 | DNAH5 | intronic |
| 4 | 122556687 | A | T | rs4473669 | 9.62E-01 | 0.282 | 0.279 | 1.01 | 0.9 | -1.15 | 2.71E-06 | 0.239 | 0.294 | 0.75 | 0.67 | -0.85 | 0.86 | 1.18E-03 | QRFPF(dist=254506), ANXA5(dist=32465) | intergenic |
| 4 | 99773674 | T | C | rs76766359 | 2.04E-05 | 0.181 | 0.146 | 1.30 | 1.12 | -1.5 | 8.20E-01 | 0.155 | 0.142 | 1.11 | 0.96 | -1.28 | 1.20 | 1.19E-03 | TSPAN5(dist=193862), EIF4E(dist=25933) | intergenic |
| 4 | 122562546 | G | C | rs1842382 | 9.79E-01 | 0.283 | 0.280 | 1.01 | 0.9 | -1.14 | 2.98E-06 | 0.239 | 0.294 | 0.75 | 0.67 | -0.85 | 0.86 | 1.19E-03 | QRFPF(dist=260365), ANXA5(dist=26606) | intergenic |
| 10 | 15454414 | A | T | rs4497284 | 6.37E-01 | 0.072 | 0.066 | 1.11 | 0.89 | -1.37 | 4.36E-05 | 0.087 | 0.064 | 1.41 | 1.16 | -1.7 | 1.31 | 1.19E-03 | FAM171A1(dist=41356), ITGA8(dist=101534) | intergenic |
| 8 | 127600712 | C | A | rs11988427 | 4.73E-01 | 0.106 | 0.085 | 1.28 | 1.06 | -1.54 | 3.05E-05 | 0.165 | 0.150 | 1.12 | 0.97 | -1.29 | 1.28 | 1.20E-03 | FAM84B(dist=30001), PCAT1(dist=424687) | intergenic |
| 1 | 1042378 | A | C | rs12754457 | 6.24E-01 | 0.419 | 0.425 | 0.98 | 0.87 | -1.09 | 3.59E-05 | 0.462 | 0.398 | 1.30 | 1.17 | -1.44 | 1.15 | 1.20E-03 | C1orf159 | intronic |
| 2 | 224805727 | T | C | rs184109162 | 1.04E-05 | 0.046 | 0.025 | 1.88 | 1.39 | -2.55 | 8.63E-01 | 0.029 | 0.028 | 1.02 | 0.75 | -1.4 | 1.51 | 1.20E-03 | WDFY1 | intronic |
| 10 | 99863569 | A | T | rs10883044 | 3.69E-05 | 0.396 | 0.341 | 1.27 | 1.14 | -1.42 | 4.59E-01 | 0.367 | 0.360 | 1.03 | 0.92 | -1.15 | 1.17 | 1.21E-03 | CRTAC1(dist=72984), R3HCC1L(dist=30812) | intergenic |
| 12 | 98558696 | A | C | rs12317134 | 8.26E-01 | 0.087 | 0.090 | 0.97 | 0.8 | -1.17 | 2.20E-05 | 0.117 | 0.081 | 1.51 | 1.27 | -1.79 | 1.25 | 1.22E-03 | MIR4303(dist=169470), SLC9A7P1(dist=288923) | intergenic |
| 17 | 80258986 | C | T | rs73368109 | 6.33E-05 | 0.047 | 0.071 | 0.65 | 0.51 | -0.82 | 4.29E-01 | 0.070 | 0.074 | 0.95 | 0.78 | -1.16 | 0.74 | 1.22E-03 | CSNK1D(dist=27392), CD7(dist=13760) | intergenic |
| 6 | 31768584 | T | A | rs533681143 | 5.39E-01 | 0.213 | 0.213 | 1.00 | 0.88 | -1.15 | 3.52E-05 | 0.223 | 0.185 | 1.26 | 1.11 | -1.44 | 1.21 | 1.22E-03 | LSM2 | intronic |
| 5 | 13914775 | G | T | rs13180591 | 7.29E-01 | 0.477 | 0.470 | 0.98 | 0.87 | -1.09 | 1.80E-05 | 0.522 | 0.471 | 0.81 | 0.73 | -0.9 | 0.88 | 1.22E-03 | DNAH5 | intronic |
| 14 | 62731060 | A | G | rs386778159;rs1160225 | 8.06E-01 | 0.388 | 0.395 | 1.03 | 0.92 | -1.15 | 2.12E-05 | 0.410 | 0.348 | 0.77 | 0.69 | -0.85 | 0.87 | 1.22E-03 | LINC00644(dist=124369), KCNH5(dist=442231) | intergenic |
| 4 | 99777483 | T | G | rs16996582 | 1.89E-05 | 0.180 | 0.144 | 1.30 | 1.12 | -1.51 | 8.47E-01 | 0.154 | 0.141 | 1.11 | 0.96 | -1.28 | 1.20 | 1.22E-03 | TSPAN5(dist=197671), EIF4E(dist=22124) | intergenic |
| 11 | 21549618 | A | G | rs10833557 | 6.67E-01 | 0.143 | 0.131 | 1.11 | 0.95 | -1.3 | 4.30E-05 | 0.118 | 0.169 | 0.66 | 0.56 | -0.77 | 0.82 | 1.22E-03 | NELL1 | intronic |
| 6 | 108735625 | A | C | rs145981896 | 4.34E-01 | 0.155 | 0.171 | 0.89 | 0.77 | -1.04 | 5.23E-05 | 0.128 | 0.153 | 0.81 | 0.7 | -0.95 | 0.83 | 1.23E-03 | LACE1 | intronic |
| 11 | 102705280 | A | G | rs3025087 | 5.37E-01 | 0.028 | 0.026 | 1.08 | 0.77 | -1.52 | 6.46E-05 | 0.040 | 0.022 | 1.83 | 1.37 | -2.45 | 1.50 | 1.23E-03 | WTAPP1 | ncRNA_intronic |
| 14 | 62731016 | C | T | rs10130513 | 8.08E-01 | 0.388 | 0.395 | 1.03 | 0.92 | -1.15 | 2.13E-05 | 0.410 | 0.348 | 0.77 | 0.69 | -0.85 | 0.87 | 1.23E-03 | LINC00644(dist=124325), KCNH5(dist=442275) | intergenic |
| 6 | 29405131 | A | C | rs115360560 | 6.73E-01 | 0.107 | 0.113 | 0.94 | 0.79 | -1.12 | 4.54E-07 | 0.143 | 0.096 | 1.57 | 1.34 | -1.84 | 1.24 | 1.23E-03 | OR11A1(dist=9622), OR10C1(dist=2585) | intergenic |
| 5 | 123804638 | C | T | rs111338396 | 6.00E-01 | 0.058 | 0.055 | 1.05 | 0.83 | -1.33 | 1.08E-05 | 0.071 | 0.049 | 1.48 | 1.2 | -1.83 | 1.39 | 1.23E-03 | LINC01170(dist=30425), ZNF608(dist=167972) | intergenic |
| 4 | 99775665 | A | C | rs113031663 | 2.14E-05 | 0.180 | 0.144 | 1.30 | 1.12 | -1.51 | 8.28E-01 | 0.154 | 0.141 | 1.11 | 0.96 | -1.28 | 1.20 | 1.25E-03 | TSPAN5(dist=195853), EIF4E(dist=23942) | intergenic |
| 1 | 67729814 | G | A | rs74082839 | 6.27E-01 | 0.151 | 0.164 | 0.91 | 0.78 | -1.06 | 2.93E-05 | 0.117 | 0.147 | 0.77 | 0.65 | -0.9 | 0.83 | 1.25E-03 | IL23R(dist=4164), IL12RB2(dist=43233) | intergenic |
| 2 | 224830579 | T | G | rs76359982 | 1.24E-05 | 0.047 | 0.026 | 1.81 | 1.35 | -2.44 | 8.16E-01 | 0.027 | 0.027 | 1.01 | 0.73 | -1.39 | 1.52 | 1.25E-03 | MRPL44 | intronic |
| 10 | 15453795 | A | G | rs61842741 | 6.38E-01 | 0.072 | 0.066 | 1.10 | 0.89 | -1.37 | 4.72E-05 | 0.087 | 0.064 | 1.40 | 1.16 | -1.7 | 1.30 | 1.25E-03 | FAM171A1(dist=40737), ITGA8(dist=102153) | intergenic |
| 14 | 62723926 | T | G | rs1533354 | 8.63E-01 | 0.327 | 0.334 | 1.03 | 0.92 | -1.16 | 1.18E-05 | 0.362 | 0.305 | 0.78 | 0.7 | -0.87 | 0.87 | 1.25E-03 | LINC00644(dist=117235), KCNH5(dist=449365) | intergenic |
| 1 | 158521392 | G | A | rs10489835 | 6.92E-06 | 0.387 | 0.319 | 0.74 | 0.66 | -0.83 | 8.24E-01 | 0.340 | 0.346 | 1.03 | 0.92 | -1.14 | 0.87 | 1.26E-03 | OR6Y1(dist=3497), OR6P1(dist=11049) | intergenic |
| 11 | 102708338 | C | T | rs3025076 | 5.44E-01 | 0.028 | 0.026 | 1.08 | 0.77 | -1.52 | 6.45E-05 | 0.040 | 0.022 | 1.83 | 1.37 | -2.45 | 1.50 | 1.26E-03 | MMP3 | intronic |
| 5 | 37965810 | T | G | rs13162604 | 6.57E-01 | 0.409 | 0.417 | 0.97 | 0.87 | -1.08 | 2.89E-05 | 0.368 | 0.417 | 0.81 | 0.73 | -0.91 | 0.88 | 1.26E-03 | GDNF-AS1(dist=89910), EGFLAM(dist=292701) | intergenic |
| 15 | 99639613 | A | G | rs1703797 | 3.85E-05 | 0.325 | 0.361 | 1.17 | 1.04 | -1.31 | 7.34E-01 | 0.393 | 0.413 | 1.09 | 0.98 | -1.21 | 1.16 | 1.26E-03 | LUNAR1(dist=65338), SYNM(dist=5673) | intergenic |
| 10 | 57134279 | A | G | rs79940708 | 1.45E-05 | 0.053 | 0.084 | 0.61 | 0.49 | -0.76 | 5.69E-01 | 0.065 | 0.067 | 0.97 | 0.79 | -1.2 | 0.76 | 1.26E-03 | PCDH15(dist=573228), MTRNR2L5(dist=224471) | intergenic |
| 2 | 57672875 | C | T | rs181300040 | 4.88E-01 | 0.048 | 0.042 | 1.15 | 0.88 | -1.49 | 3.55E-05 | 0.056 | 0.039 | 1.46 | 1.15 | -1.85 | 1.43 | 1.27E-03 | CCDC85A(dist=1059566), VRK2(dist=461911) | intergenic |
| 10 | 24851663 | G | A | rs1556398 | 8.09E-01 | 0.246 | 0.242 | 1.02 | 0.9 | -1.16 | 3.67E-05 | 0.213 | 0.256 | 0.79 | 0.69 | -0.89 | 0.83 | 1.27E-03 | KIAA1217(dist=14886), ARHGAP21(dist=20875) | intergenic |
| 8 | 127654091 | C | T | rs7461025 | 6.03E-01 | 0.241 | 0.216 | 1.15 | 1.01 | -1.31 | 2.12E-05 | 0.282 | 0.258 | 1.13 | 1.01 | -1.27 | 1.21 | 1.27E-03 | FAM84B(dist=83380), PCAT1(dist=371308) | intergenic |
| 11 | 7855906 | G | C | rs1384509 | 7.43E-01 | 0.427 | 0.409 | 1.08 | 0.96 | -1.2 | 6.69E-07 | 0.362 | 0.436 | 0.74 | 0.66 | -0.82 | 0.88 | 1.27E-03 | OR5P3(dist=8387), OR5E1P(dist=14692) | intergenic |
| 14 | 97899674 | G | A | rs78124097 | 6.65E-01 | 0.045 | 0.045 | 1.02 | 0.78 | -1.32 | 3.77E-05 | 0.057 | 0.034 | 1.69 | 1.33 | -2.15 | 1.39 | 1.27E-03 | LINC00618(dist=487943), LOC101929241(dist=25479) | intergenic |
| 10 | 57141664 | G | A | rs16907331 | 4.33E-05 | 0.050 | 0.079 | 0.62 | 0.49 | -0.78 | | | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 12 | 5071462 | G | A | rs56294936 | 2.74E-05 | 0.058 | 0.031 | 1.92 | 1.47 | -2.52 | 5.43E-01 | 0.066 | 0.068 | 0.97 | 0.79 | -1.2 | 1.37 | 1.30E-03 | KCNA1(dist=44040), KCNA5(dist=81623) | intergenic |
| 5 | 37998381 | G | C | rs10056096 | 8.46E-01 | 0.453 | 0.458 | 0.98 | 0.88 | -1.09 | 1.18E-05 | 0.404 | 0.455 | 0.81 | 0.73 | -0.9 | 0.88 | 1.31E-03 | GDNF-AS1(dist=122481), EGFLAM(dist=260130) | intergenic |
| 7 | 141280078 | G | C | rs35755078;rs546798954 | 5.05E-05 | 0.207 | 0.153 | 1.45 | 1.25 | -1.67 | 6.00E-01 | 0.207 | 0.209 | 0.98 | 0.87 | -1.12 | 1.19 | 1.31E-03 | AGK | intronic |
| 6 | 29407975 | C | T | rs11755177 | 6.39E-01 | 0.107 | 0.114 | 0.94 | 0.79 | -1.11 | 4.32E-07 | 0.144 | 0.096 | 1.57 | 1.35 | -1.84 | 1.23 | 1.31E-03 | OR10C1 | exonic |
| 4 | 58654764 | A | G | rs73191470 | 9.55E-01 | 0.041 | 0.041 | 0.98 | 0.75 | -1.3 | 6.16E-06 | 0.054 | 0.030 | 1.86 | 1.45 | -2.38 | 1.38 | 1.31E-03 | LOC101928851(dist=322612), NONE(dist=NONE) | intergenic |
| 8 | 38851779 | C | T | rs73674682 | 8.46E-01 | 0.076 | 0.079 | 0.96 | 0.78 | -1.17 | 5.73E-06 | 0.109 | 0.073 | 1.55 | 1.3 | -1.84 | 1.28 | 1.31E-03 | TM2D2 | intronic |
| 1 | 200498428 | C | T | rs4328101 | 8.28E-06 | 0.309 | 0.359 | 1.25 | 1.11 | -1.41 | 8.82E-01 | 0.346 | 0.348 | 1.01 | 0.91 | -1.13 | 1.16 | 1.32E-03 | ZNF281(dist=119242), KIF14(dist=22197) | intergenic |
| 5 | 123807510 | G | C | rs76241093 | 8.10E-01 | 0.064 | 0.064 | 1.00 | 0.8 | -1.26 | 1.40E-05 | 0.081 | 0.055 | 1.53 | 1.25 | -1.87 | 1.33 | 1.32E-03 | LINC01170(dist=33297), ZNF608(dist=165100) | intergenic |
| 15 | 77540272 | C | T | rs115780877 | 9.15E-01 | 0.019 | 0.021 | 0.93 | 0.63 | -1.38 | 1.27E-05 | 0.043 | 0.025 | 1.78 | 1.35 | -2.34 | 1.55 | 1.32E-03 | PEAK1 | intronic |
| 4 | 14162102 | C | T | rs17346188 | 2.00E-05 | 0.062 | 0.092 | 0.66 | 0.53 | -0.81 | 7.51E-01 | 0.089 | 0.092 | 0.96 | 0.8 | -1.15 | 0.79 | 1.32E-03 | LINC01085(dist=20426), LINC00504(dist=309988) | intergenic |
| 14 | 62726515 | G | A | rs1567953 | 8.88E-01 | 0.388 | 0.397 | 1.04 | 0.93 | -1.16 | 1.65E-05 | 0.416 | 0.353 | 0.76 | 0.69 | -0.85 | 0.88 | 1.33E-03 | LINC00644(dist=119824), KCNH5(dist=446776) | intergenic |
| 7 | 141280598 | G | A | rs11765211 | 5.18E-05 | 0.207 | 0.153 | 1.45 | 1.25 | -1.67 | 6.00E-01 | 0.207 | 0.209 | 0.98 | 0.87 | -1.12 | 1.19 | 1.33E-03 | AGK | intronic |
| 14 | 62730813 | T | A | rs10873147 | 8.38E-01 | 0.390 | 0.398 | 1.03 | 0.92 | -1.15 | 2.11E-05 | 0.413 | 0.350 | 0.77 | 0.69 | -0.85 | 0.88 | 1.33E-03 | LINC00644(dist=124122), KCNH5(dist=442478) | intergenic |
| 8 | 38842963 | C | T | rs78165883 | 8.34E-01 | 0.076 | 0.079 | 0.96 | 0.78 | -1.18 | 9.50E-06 | 0.104 | 0.069 | 1.58 | 1.32 | -1.89 | 1.27 | 1.33E-03 | HTRA4 | intronic |
| 2 | 18451855 | A | T | rs1597823;rs200592303 | 5.81E-01 | 0.332 | 0.328 | 1.01 | 0.9 | -1.14 | 3.63E-05 | 0.354 | 0.297 | 1.30 | 1.16 | -1.45 | 1.15 | 1.34E-03 | KCNS3(dist=337630), RDH14(dist=284134) | intergenic |
| 4 | 63154579 | G | A | rs73215517 | 6.36E-05 | 0.071 | 0.046 | 1.60 | 1.26 | -2.02 | 6.57E-01 | 0.057 | 0.056 | 1.02 | 0.82 | -1.28 | 1.35 | 1.34E-03 | ADGRL3-AS1(dist=127096), TECRL(dist=1989598) | intergenic |
| 5 | 176148951 | C | T | rs10035599 | 4.40E-05 | 0.078 | 0.053 | 1.52 | 1.22 | -1.9 | 6.88E-01 | 0.057 | 0.054 | 1.06 | 0.84 | -1.33 | 1.33 | 1.35E-03 | TSPAN17(dist=62892), LINC01574(dist=21255) | intergenic |
| 7 | 38037295 | G | A | rs148298039 | 6.30E-01 | 0.370 | 0.361 | 1.04 | 0.93 | -1.17 | 1.39E-05 | 0.384 | 0.344 | 1.19 | 1.07 | -1.33 | 1.18 | 1.35E-03 | EPDR1(dist=45753), STARD3NL(dist=180513) | intergenic |
| 15 | 48769618 | A | T | rs16960982 | 2.36E-05 | 0.309 | 0.264 | 1.25 | 1.11 | -1.41 | 7.92E-01 | 0.283 | 0.275 | 1.04 | 0.93 | -1.17 | 1.15 | 1.35E-03 | FBN1 | intronic |
| 19 | 18251750 | C | T | rs59196476 | 5.05E-05 | 0.064 | 0.043 | 1.53 | 1.2 | -1.95 | 6.18E-01 | 0.052 | 0.046 | 1.14 | 0.9 | -1.44 | 1.36 | 1.36E-03 | MAST3 | intronic |
| 3 | 64048297 | T | C | rs831571 | 9.86E-01 | 0.204 | 0.207 | 1.01 | 0.89 | -1.16 | 5.43E-06 | 0.236 | 0.190 | 0.76 | 0.67 | -0.86 | 0.85 | 1.36E-03 | PSMD6(dist=38611), PRICKLE2-AS1(dist=5343) | intergenic |
| 8 | 66512414 | T | C | rs61316312 | 6.13E-01 | 0.073 | 0.068 | 1.08 | 0.87 | -1.34 | 4.51E-05 | 0.096 | 0.072 | 1.37 | 1.14 | -1.64 | 1.29 | 1.36E-03 | LINC01299(dist=37513), ARMC1(dist=2277) | intergenic |
| 8 | 124968132 | G | A | rs59703590 | 5.70E-01 | 0.176 | 0.191 | 0.91 | 0.79 | -1.04 | 4.13E-05 | 0.142 | 0.171 | 0.80 | 0.69 | -0.93 | 0.83 | 1.36E-03 | FER1L6 | intronic |
| 14 | 62730168 | T | A | rs4899068 | 8.86E-01 | 0.391 | 0.399 | 1.03 | 0.92 | -1.16 | 1.80E-05 | 0.416 | 0.352 | 0.76 | 0.69 | -0.85 | 0.88 | 1.36E-03 | LINC00644(dist=123477), KCNH5(dist=443123) | intergenic |
| 4 | 99778952 | G | A | rs112341326 | 1.57E-05 | 0.181 | 0.145 | 1.30 | 1.13 | -1.51 | 9.20E-01 | 0.154 | 0.142 | 1.10 | 0.95 | -1.27 | 1.20 | 1.37E-03 | TSPAN5(dist=199140), EIF4E(dist=20655) | intergenic |
| 6 | 108699897 | A | T | rs7769482 | 5.06E-01 | 0.150 | 0.164 | 0.90 | 0.77 | -1.05 | 4.24E-05 | 0.119 | 0.144 | 0.80 | 0.69 | -0.94 | 0.83 | 1.38E-03 | LACE1 | intronic |
| 5 | 89437783 | T | C | rs115825291 | 5.82E-05 | 0.044 | 0.028 | 1.62 | 1.2 | -2.17 | 5.70E-01 | 0.040 | 0.035 | 1.13 | 0.86 | -1.48 | 1.46 | 1.38E-03 | MIR3660(dist=125246), LINC01339(dist=16373) | intergenic |
| 20 | 57963415 | G | C | rs749389 | 2.30E-05 | 0.398 | 0.349 | 0.81 | 0.72 | -0.91 | 9.28E-01 | 0.377 | 0.370 | 0.97 | 0.87 | -1.08 | 0.85 | 1.39E-03 | EDN3(dist=62368), PHACTR3(dist=189149) | intergenic |
| 14 | 62732065 | C | T | rs12587137 | 8.24E-01 | 0.388 | 0.395 | 1.03 | 0.92 | -1.15 | 2.28E-05 | 0.409 | 0.347 | 0.77 | 0.69 | -0.86 | 0.87 | 1.39E-03 | LINC00644(dist=125374), KCNH5(dist=441226) | intergenic |
| 14 | 62727663 | G | C | rs12889289 | 8.94E-01 | 0.390 | 0.398 | 1.03 | 0.93 | -1.16 | 1.76E-05 | 0.416 | 0.353 | 0.76 | 0.69 | -0.85 | 0.88 | 1.40E-03 | LINC00644(dist=120972), KCNH5(dist=445628) | intergenic |
| 5 | 13914796 | T | C | rs13162553 | 7.74E-01 | 0.477 | 0.472 | 0.98 | 0.88 | -1.09 | 1.73E-05 | 0.523 | 0.471 | 0.81 | 0.73 | -0.9 | 0.88 | 1.40E-03 | DNAH5 | intronic |
| 2 | 18397856 | T | A | rs149857943 | 4.70E-01 | 0.126 | 0.125 | 1.02 | 0.86 | -1.2 | 6.32E-05 | 0.156 | 0.119 | 1.36 | 1.17 | -1.58 | 1.22 | 1.40E-03 | KCNS3(dist=283631), RDH14(dist=338133) | intergenic |
| 8 | 38843833 | C | T | rs74560706 | 8.51E-01 | 0.076 | 0.079 | 0.96 | 0.78 | -1.17 | 9.70E-06 | 0.104 | 0.069 | 1.58 | 1.32 | -1.89 | 1.27 | 1.40E-03 | HTRA4 | intronic |
| 14 | 62730442 | C | G | rs11158383 | 8.79E-01 | 0.391 | 0.400 | 1.03 | 0.92 | -1.16 | 1.96E-05 | 0.416 | 0.353 | 0.77 | 0.69 | -0.85 | 0.88 | 1.40E-03 | LINC00644(dist=123751), KCNH5(dist=442849) | intergenic |
| 17 | 33143329 | C | T | rs116928751 | 1.19E-05 | 0.051 | 0.083 | 0.59 | 0.47 | -0.74 | 9.98E-01 | 0.060 | 0.058 | 1.03 | 0.83 | -1.29 | 0.77 | 1.41E-03 | TMEM132E(dist=176987), CCT6B(dist=111549) | intergenic |
| 10 | 31864737 | C | A | rs1755172 | 1.56E-05 | 0.069 | 0.039 | 1.83 | 1.43 | -2.34 | 7.64E-01 | 0.057 | 0.060 | 0.96 | 0.77 | -1.2 | 1.45 | 1.41E-03 | ZEB1(dist=45995), ARHGAP12(dist=229589) | intergenic |
| 17 | 33139686 | C | T | rs116928110 | 1.50E-05 | 0.051 | 0.082 | 0.59 | 0.47 | -0.75 | 9.52E-01 | 0.059 | 0.058 | 1.03 | 0.83 | -1.28 | 0.77 | 1.42E-03 | TMEM132E(dist=173344), CCT6B(dist=115192) | intergenic |
| 8 | 66524904 | C | G | rs112002993 | 6.38E-01 | 0.073 | 0.068 | 1.07 | 0.87 | -1.33 | 4.04E-05 | 0.096 | 0.072 | 1.37 | 1.14 | -1.64 | 1.28 | 1.42E-03 | ARMC1 | intronic |
| 4 | 58648441 | C | T | rs4865282 | 9.98E-01 | 0.041 | 0.042 | 0.98 | 0.74 | -1.29 | 5.69E-06 | 0.055 | 0.030 | 1.87 | 1.45 | -2.39 | 1.37 | 1.42E-03 | LOC101928851(dist=316289), NONE(dist=NONE) | intergenic |
| 15 | 48770580 | A | G | rs2413906 | 5.38E-05 | 0.496 | 0.449 | 1.21 | 1.08 | -1.35 | 6.78E-01 | 0.453 | 0.441 | 1.05 | 0.95 | -1.17 | 1.14 | 1.42E-03 | FBN1 | intronic |
| 2 | 121296174 | A | G | rs386649732;rs55697601 | 3.84E-05 | 0.299 | 0.269 | 1.16 | 1.03 | -1.31 | 6.99E-01 | 0.265 | 0.246 | 1.10 | 0.98 | -1.24 | 1.18 | 1.43E-03 | LINC01101(dist=72249), GLI2(dist=258693) | intergenic |
| 12 | 5067742 | C | T | rs79334029 | 1.87E-05 | 0.055 | 0.028 | 2.01 | 1.52 | -2.67 | 6.23E-01 | 0.061 | 0.063 | 0.96 | 0.78 | -1.2 | 1.37 | 1.43E-03 | KCNA1(dist=40320), KCNA5(dist=85343) | intergenic |
| 4 | 99080700 | A | G | rs72894392 | 6.07E-05 | 0.183 | 0.233 | 0.74 | 0.65 | -0.85 | 5.82E-01 | 0.197 | 0.191 | 1.04 | 0.91 | -1.18 | 0.85 | 1.43E-03 | STPG2(dist=16309), RAP1GDS1(dist=101827) | intergenic |
| 5 | 13914819 | G | A | rs13180613 | 7.77E-01 | 0.477 | 0.472 | 0.98 | 0.88 | -1.09 | 1.79E-05 | 0.522 | 0.471 | 0.81 | 0.73 | -0.9 | 0.88 | 1.44E-03 | DNAH5 | intronic |
| 1 | 158519525 | T | C | rs10797025 | 1.62E-06 | 0.426 | 0.353 | 0.74 | 0.66 | -0.82 | 8.72E-01 | 0.374 | 0.383 | 1.04 | 0.93 | -1.16 | 0.87 | 1.44E-03 | OR6Y1(dist=1630), OR6P1(dist=12916) | intergenic |
| 12 | 5068121 | G | C | rs78517372 | 2.04E-05 | 0.055 | 0.028 | 2.01 | 1.52 | -2.66 | 6.16E-01 | 0.061 | 0.063 | 0.97 | 0.78 | -1.2 | 1.37 | 1.44E-03 | KCNA1(dist=40699), KCNA5(dist=84964) | intergenic |
| 5 | 37984257 | C | T | rs1508841 | 7.53E-01 | 0.435 | 0.440 | 0.98 | 0.88 | -1.09 | 1.77E-05 | 0.392 | 0.440 | 0.82 | 0.74 | -0.91 | 0.88 | 1.44E-03 | GDNF-AS1(dist=108357), EGFLAM(dist=274254) | intergenic |
| 11 | 65405600 | G | T | rs2306363 | 7.55E-01 | 0.076 | 0.071 | 1.07 | 0.87 | -1.32 | 4.83E-05 | 0.058 | 0.091 | 0.62 | 0.5 | -0.77 | 0.77 | 1.45E-03 | SIPA1(NM_006747:c.2793G>T) | UTR5 |
| 5 | 13914556 | A | G | rs13179761 | 7.76E-01 | 0.477 | 0.472 | 0.98 | 0.88 | -1.09 | 1.83E-05 | 0.522 | 0.471 | 0.81 | 0.73 | -0.9 | 0.88 | 1.45E-03 | DNAH5 | intronic |
| 17 | 33142821 | C | T | rs114704068 | 1.52E-05 | 0.051 | 0.082 | 0.59 | 0.47 | -0.75 | 9.58E-01 | 0.059 | 0.058 | 1.03 | 0.83 | -1.29 | 0.77 | 1.45E-03 | TMEM132E(dist=176479), CCT6B(dist=112057) | intergenic |
| 12 | 84762397 | A | G | rs11116342 | 4.88E-07 | 0.305 | 0.376 | 0.73 | 0.65 | -0.82 | 6.89E-01 | 0.339 | 0.329 | 1.05 | 0.94 | -1.17 | 0.87 | 1.46E-03 | TMT2C(dist=1234330), SLC6A15(dist=490870) | intergenic |
| 10 | 51477149 | G | A | rs111002357 | 8.17E-06 | 0.246 | 0.190 | 1.39 | 1.22 | -1.59 | 6.43E-01 | 0.237 | 0.243 | 0.97 | 0.86 | -1.1 | 1.24 | 1.46E-03 | AGAP7P | ncRNA_intronic |
| 7 | 78989041 | A | G | rs372478728;rs11971813 | 6.72E-01 | 0.104 | 0.103 | 1.01 | 0.84 | -1.21 | 9.06E-06 | 0.117 | 0.084 | 1.44 | 1.22 | -1.71 | 1.26 | 1.46E-03 | MAGI2 | intronic |
| 5 | 13914120 | T | C | rs10513162 | 7.74E-01 | 0.477 | 0.472 | 0.98 | 0.88 | -1.09 | 1.89E-05 | 0.522 | 0.471 | 0.81 | 0.73 | -0.9 | 0.88 | 1.47E-03 | DNAH5 | intronic |
| 14 | 62728273 | T | G | rs12185062 | 8.79E-01 | 0.390 | 0.398 | 1.03 | 0.92 | -1.16 | 2.05E-05 | 0.416 | 0.353 | 0.77 | 0.69 | -0.85 | 0.88 | 1.48E-03 | LINC00644(dist=121582), KCNH5(dist=445018) | intergenic |
| 8 | 38860388 | C | T | rs56061814 | 9.36E-01 | 0.081 | 0.086 | 0.95 | 0.78 | -1.15 | 5.46E-06 | 0.112 | 0.074 | 1.57 | 1.32 | -1.86 | 1.26 | 1.49E-03 | ADAM9 | intronic |
| 6 | 29415798 | C | T | rs5427517 | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|--------------|
| 5 | 13915320 | T | G | rs6874270 | 7.99E-01 | 0.477 | 0.472 | 0.98 | 0.88 | -1.09 | 1.75E-05 | 0.522 | 0.471 | 0.81 | 0.73 | -0.9 | 0.88 | 1.52E-03 | DNAH5 | intronic |
| 12 | 5065215 | C | G | rs78614168 | 2.22E-05 | 0.055 | 0.028 | 2.00 | 1.51 | -2.64 | 6.10E-01 | 0.059 | 0.061 | 0.97 | 0.77 | -1.2 | 1.37 | 1.52E-03 | KCNA1(dist=37793), KCNA5(dist=87870) | intergenic |
| 15 | 75234256 | T | C | rs111072517 | 3.42E-05 | 0.390 | 0.447 | 1.27 | 1.13 | -1.41 | 7.68E-01 | 0.428 | 0.428 | 1.00 | 0.9 | -1.11 | 1.13 | 1.52E-03 | COX5A(dist=3761), RPP25(dist=13187) | intergenic |
| 2 | 18477797 | C | A | rs147511530 | 4.87E-01 | 0.221 | 0.218 | 1.01 | 0.89 | -1.16 | 6.46E-05 | 0.238 | 0.198 | 1.27 | 1.12 | -1.44 | 1.21 | 1.53E-03 | KCNS3(dist=363572), RDH14(dist=258192) | intergenic |
| 4 | 141832180 | A | G | rs17338203 | 3.00E-06 | 0.076 | 0.113 | 0.64 | 0.53 | -0.78 | 7.16E-01 | 0.097 | 0.098 | 1.00 | 0.83 | -1.19 | 0.80 | 1.53E-03 | RNF150 | intronic |
| 19 | 35719257 | G | A | rs11673347 | 3.63E-05 | 0.169 | 0.195 | 0.84 | 0.73 | -0.97 | 5.70E-01 | 0.196 | 0.221 | 0.86 | 0.76 | -0.98 | 0.85 | 1.54E-03 | FAM187B | exonic |
| 4 | 75011381 | C | G | rs149585747 | 1.07E-05 | 0.043 | 0.026 | 1.71 | 1.26 | -2.31 | 8.50E-01 | 0.023 | 0.023 | 1.04 | 0.73 | -1.46 | 1.56 | 1.54E-03 | CXCL2(dist=46384), MTHFD2L(dist=12448) | intergenic |
| 2 | 158824881 | C | T | rs13021866 | 7.50E-01 | 0.127 | 0.125 | 1.02 | 0.86 | -1.2 | 1.77E-05 | 0.153 | 0.115 | 1.40 | 1.2 | -1.62 | 1.21 | 1.54E-03 | ACVR1(dist=92507), UPP2(dist=26810) | intergenic |
| 1 | 12854930 | T | G | rs2744046 | 5.93E-01 | 0.214 | 0.203 | 1.07 | 0.93 | -1.22 | 6.12E-05 | 0.234 | 0.202 | 1.21 | 1.06 | -1.37 | 1.19 | 1.54E-03 | PRAMEF1(NM_001294139:c.-58T>G) | UTR5 |
| 14 | 77146785 | C | T | rs78272891 | 5.71E-01 | 0.051 | 0.045 | 1.15 | 0.89 | -1.48 | 6.35E-05 | 0.058 | 0.040 | 1.47 | 1.17 | -1.86 | 1.38 | 1.54E-03 | ESRRB(dist=178605), VASH1(dist=81450) | intergenic |
| 4 | 40086752 | T | C | rs28519512 | 2.86E-05 | 0.490 | 0.435 | 0.80 | 0.72 | -0.89 | 7.93E-01 | 0.443 | 0.437 | 0.98 | 0.88 | -1.08 | 0.88 | 1.55E-03 | N4BP2 | intronic |
| 4 | 99099811 | G | A | rs72896117 | 5.74E-05 | 0.184 | 0.234 | 0.74 | 0.65 | -0.85 | 6.15E-01 | 0.200 | 0.193 | 1.04 | 0.91 | -1.19 | 0.85 | 1.55E-03 | STPG2(dist=35420), RAP1GDS1(dist=82716) | intergenic |
| 5 | 37972586 | C | T | rs6451352 | 8.79E-01 | 0.419 | 0.421 | 0.99 | 0.89 | -1.1 | 1.17E-05 | 0.374 | 0.425 | 0.81 | 0.72 | -0.9 | 0.88 | 1.56E-03 | GDNF-AS1(dist=96686), EGFLAM(dist=285925) | intergenic |
| 15 | 99638836 | A | C | rs1670268 | 5.62E-05 | 0.323 | 0.356 | 1.16 | 1.03 | -1.3 | 7.16E-01 | 0.389 | 0.409 | 1.09 | 0.98 | -1.21 | 1.15 | 1.56E-03 | LUNAR1(dist=64561), SYNM(dist=6450) | intergenic |
| 1 | 200498000 | T | C | rs10919963 | 1.11E-05 | 0.304 | 0.357 | 1.27 | 1.13 | -1.43 | 9.71E-01 | 0.343 | 0.344 | 1.00 | 0.9 | -1.12 | 1.15 | 1.56E-03 | ZNF281(dist=118814), KIF14(dist=22625) | intergenic |
| 10 | 98575659 | G | T | rs111209823 | 5.43E-06 | 0.465 | 0.434 | 1.14 | 1.02 | -1.27 | 8.22E-01 | 0.403 | 0.392 | 1.05 | 0.94 | -1.16 | 1.20 | 1.57E-03 | PIK3AP1(dist=95380), MIR607(dist=12767) | intergenic |
| 2 | 158829532 | G | A | rs71421063 | 7.29E-01 | 0.127 | 0.125 | 1.02 | 0.86 | -1.2 | 2.03E-05 | 0.152 | 0.114 | 1.39 | 1.2 | -1.62 | 1.22 | 1.57E-03 | ACVR1(dist=97158), UPP2(dist=22159) | intergenic |
| 8 | 38846996 | T | C | rs80055284 | 8.85E-01 | 0.076 | 0.079 | 0.95 | 0.78 | -1.17 | 1.03E-05 | 0.104 | 0.069 | 1.58 | 1.32 | -1.89 | 1.26 | 1.57E-03 | TM2D2 | UTR3 |
| 2 | 158825666 | C | T | rs57670760 | 7.50E-01 | 0.126 | 0.125 | 1.01 | 0.86 | -1.2 | 1.84E-05 | 0.153 | 0.114 | 1.40 | 1.2 | -1.62 | 1.22 | 1.58E-03 | ACVR1(dist=93292), UPP2(dist=26025) | intergenic |
| 2 | 158823350 | G | A | rs34991333 | 7.54E-01 | 0.126 | 0.124 | 1.01 | 0.86 | -1.2 | 1.83E-05 | 0.153 | 0.114 | 1.40 | 1.21 | -1.63 | 1.21 | 1.58E-03 | ACVR1(dist=90976), UPP2(dist=28341) | intergenic |
| 4 | 141830107 | T | C | rs62345034 | 1.59E-06 | 0.078 | 0.116 | 0.64 | 0.53 | -0.78 | 7.19E-01 | 0.100 | 0.100 | 1.00 | 0.84 | -1.19 | 0.81 | 1.58E-03 | RNF150 | intronic |
| 11 | 36917563 | T | A | rs73452352 | 5.33E-01 | 0.059 | 0.059 | 1.00 | 0.79 | -1.26 | 5.96E-05 | 0.069 | 0.045 | 1.58 | 1.27 | -1.96 | 1.34 | 1.58E-03 | C11orf74(dist=236722), LOC103312105(dist=1722251) | intergenic |
| 10 | 49944268 | T | G | rs41282001 | 2.60E-05 | 0.042 | 0.023 | 1.87 | 1.36 | -2.57 | 4.16E-01 | 0.038 | 0.037 | 1.02 | 0.78 | -1.35 | 1.62 | 1.58E-03 | WDFY4 | intronic |
| 11 | 21554942 | T | C | rs10833559 | 7.29E-01 | 0.142 | 0.129 | 1.12 | 0.95 | -1.31 | 4.74E-05 | 0.117 | 0.168 | 0.66 | 0.56 | -0.77 | 0.83 | 1.59E-03 | NELL1 | intronic |
| 15 | 96140894 | T | C | rs79829742 | 3.06E-05 | 0.054 | 0.084 | 0.63 | 0.5 | -0.78 | 9.14E-01 | 0.066 | 0.064 | 1.03 | 0.84 | -1.28 | 0.76 | 1.60E-03 | LINC00924(dist=89818), NR2F2-AS1(dist=529695) | intergenic |
| 10 | 83332405 | C | T | rs114175533 | 4.89E-01 | 0.079 | 0.078 | 1.01 | 0.82 | -1.23 | 5.57E-05 | 0.088 | 0.063 | 1.42 | 1.17 | -1.72 | 1.32 | 1.60E-03 | SH2D4B(dist=926089), NRG3(dist=302665) | intergenic |
| 11 | 18180484 | C | T | rs12278693 | 8.61E-01 | 0.034 | 0.035 | 0.98 | 0.73 | -1.33 | 1.00E-05 | 0.048 | 0.028 | 1.72 | 1.32 | -2.23 | 1.48 | 1.61E-03 | MRGPRX3(dist=20457), MRGPRX4(dist=13900) | intergenic |
| 13 | 48802389 | C | G | rs74975473 | 8.79E-01 | 0.063 | 0.064 | 0.98 | 0.78 | -1.23 | 7.81E-06 | 0.077 | 0.048 | 1.67 | 1.35 | -2.05 | 1.32 | 1.61E-03 | MED4(dist=133112), ITM2B(dist=4885) | intergenic |
| 13 | 38052252 | A | G | rs9547902 | 6.49E-01 | 0.295 | 0.288 | 0.97 | 0.86 | -1.09 | 5.96E-05 | 0.272 | 0.326 | 1.29 | 1.15 | -1.45 | 1.16 | 1.61E-03 | CSNK1A1L(dist=372451), LINC01048(dist=3349) | intergenic |
| 4 | 58639261 | A | C | rs1509537 | 9.20E-01 | 0.044 | 0.045 | 0.98 | 0.75 | -1.27 | 4.92E-06 | 0.055 | 0.030 | 1.88 | 1.46 | -2.4 | 1.37 | 1.63E-03 | LOC101928851(dist=307109), NONE(dist=NONE) | intergenic |
| 10 | 87495555 | G | A | rs60829940 | 2.01E-05 | 0.072 | 0.102 | 0.69 | 0.56 | -0.84 | 5.00E-01 | 0.089 | 0.095 | 0.93 | 0.78 | -1.12 | 0.80 | 1.64E-03 | GRID1 | intronic |
| 2 | 96787402 | C | T | rs19293354 | 8.84E-01 | 0.035 | 0.035 | 1.01 | 0.75 | -1.35 | 6.08E-07 | 0.043 | 0.026 | 1.67 | 1.27 | -2.2 | 1.59 | 1.65E-03 | ADRA2B | upstream |
| 1 | 90077905 | G | T | rs1215534 | 4.77E-05 | 0.525 | 0.454 | 0.75 | 0.67 | -0.84 | 6.06E-01 | 0.498 | 0.489 | 1.04 | 0.93 | -1.15 | 0.88 | 1.66E-03 | LRRRC8(dist=14485), FLJ27354(dist=12503) | intergenic |
| 14 | 62730856 | G | A | rs10151292 | 8.70E-01 | 0.391 | 0.399 | 1.03 | 0.92 | -1.16 | 2.67E-05 | 0.421 | 0.360 | 0.77 | 0.7 | -0.86 | 0.88 | 1.69E-03 | LINC00644(dist=124165), KCNH5(dist=442435) | intergenic |
| 17 | 33153010 | G | A | rs118008163 | 1.65E-05 | 0.051 | 0.082 | 0.60 | 0.47 | -0.75 | 9.95E-01 | 0.059 | 0.058 | 1.04 | 0.83 | -1.29 | 0.77 | 1.69E-03 | TMEM132E(dist=186668), CCT6B(dist=101868) | intergenic |
| 2 | 18416404 | G | A | rs11886016 | 5.99E-01 | 0.133 | 0.133 | 1.00 | 0.85 | -1.17 | 3.88E-05 | 0.162 | 0.124 | 1.37 | 1.18 | -1.58 | 1.21 | 1.72E-03 | KCNS3(dist=302179), RDH14(dist=319585) | intergenic |
| 4 | 36698553 | T | C | rs12504657 | 9.22E-01 | 0.035 | 0.031 | 1.15 | 0.84 | -1.55 | 3.54E-05 | 0.061 | 0.047 | 1.30 | 1.04 | -1.63 | 1.40 | 1.73E-03 | MIR1255B1(dist=270503), MIR4801(dist=544979) | intergenic |
| 2 | 26952998 | T | C | rs11126678 | 8.67E-06 | 0.082 | 0.113 | 0.70 | 0.58 | -0.85 | 8.31E-01 | 0.105 | 0.112 | 0.93 | 0.79 | -1.1 | 0.81 | 1.73E-03 | KCNK3(NM_002246:c.*1562T>C) | UTR3 |
| 6 | 29415862 | C | T | rs6911542 | 6.65E-01 | 0.103 | 0.109 | 0.94 | 0.79 | -1.12 | 8.63E-07 | 0.137 | 0.093 | 1.55 | 1.33 | -1.82 | 1.24 | 1.74E-03 | OR10C1(dist=7108), OR2H1(dist=10368) | intergenic |
| 5 | 37972576 | G | A | rs2136192 | 9.27E-01 | 0.406 | 0.406 | 1.00 | 0.89 | -1.12 | 8.76E-06 | 0.359 | 0.412 | 0.80 | 0.72 | -0.89 | 0.88 | 1.74E-03 | GDNF-AS1(dist=96676), EGFLAM(dist=285935) | intergenic |
| 5 | 92097627 | G | C | rs142040766 | 5.86E-01 | 0.035 | 0.035 | 1.00 | 0.74 | -1.34 | 2.09E-05 | 0.041 | 0.024 | 1.78 | 1.34 | -2.36 | 1.50 | 1.75E-03 | ARRDC3-AS1(dist=1381095), NR2F1-AS1(dist=647435) | intergenic |
| 11 | 7858223 | G | A | rs10839885 | 5.13E-01 | 0.407 | 0.384 | 1.10 | 0.99 | -1.23 | 2.77E-07 | 0.345 | 0.421 | 0.72 | 0.65 | -0.81 | 0.88 | 1.76E-03 | OR5P3(dist=10704), OR5E1P(dist=12375) | intergenic |
| 12 | 114982606 | A | C | rs386766547;rs2252912 | 8.75E-01 | 0.386 | 0.380 | 1.02 | 0.91 | -1.15 | 5.20E-06 | 0.346 | 0.403 | 0.78 | 0.7 | -0.87 | 0.86 | 1.76E-03 | TBX5-AS1(dist=131969), TBX3(dist=125453) | intergenic |
| 18 | 4848074 | C | G | rs113055418 | 5.08E-01 | 0.110 | 0.110 | 1.00 | 0.84 | -1.19 | 3.67E-05 | 0.124 | 0.093 | 1.38 | 1.18 | -1.63 | 1.25 | 1.77E-03 | DLGAP1(dist=392808), C18orf42(dist=295598) | intergenic |
| 5 | 13915670 | T | C | rs1445822 | 7.52E-01 | 0.471 | 0.465 | 0.97 | 0.87 | -1.09 | 3.04E-05 | 0.515 | 0.465 | 0.82 | 0.74 | -0.91 | 0.88 | 1.77E-03 | DNAH5 | intronic |
| 5 | 13915441 | T | C | rs6874452 | 7.51E-01 | 0.471 | 0.465 | 0.97 | 0.87 | -1.09 | 3.06E-05 | 0.515 | 0.465 | 0.82 | 0.74 | -0.91 | 0.88 | 1.78E-03 | DNAH5 | intronic |
| 6 | 29414831 | T | G | rs16894930 | 5.92E-01 | 0.107 | 0.114 | 0.93 | 0.78 | -1.11 | 6.41E-07 | 0.145 | 0.098 | 1.56 | 1.33 | -1.82 | 1.23 | 1.78E-03 | OR10C1(dist=6077), OR2H1(dist=11399) | intergenic |
| 16 | 83939507 | C | T | rs28670300 | 4.62E-01 | 0.051 | 0.049 | 1.06 | 0.82 | -1.36 | 2.24E-05 | 0.044 | 0.028 | 1.62 | 1.24 | -2.12 | 1.50 | 1.78E-03 | MLYCD | intronic |
| 8 | 38834697 | C | T | rs111657881 | 7.69E-01 | 0.075 | 0.077 | 0.97 | 0.79 | -1.19 | 2.13E-05 | 0.101 | 0.067 | 1.55 | 1.3 | -1.86 | 1.27 | 1.78E-03 | HTRA4 | intronic |
| 10 | 24586846 | C | T | rs74122217 | 5.27E-05 | 0.092 | 0.132 | 0.67 | 0.56 | -0.8 | 6.09E-01 | 0.094 | 0.093 | 1.01 | 0.85 | -1.21 | 0.79 | 1.79E-03 | KIAA1217 | intronic |
| 11 | 7852124 | C | T | rs10839884 | 5.08E-01 | 0.406 | 0.382 | 1.10 | 0.99 | -1.24 | 3.10E-07 | 0.341 | 0.417 | 0.72 | 0.65 | -0.81 | 0.88 | 1.80E-03 | OR5P3(dist=10695), OR5E1P(dist=12384) | intergenic |
| 10 | 63590396 | T | C | rs2675645 | 4.42E-05 | 0.449 | 0.381 | 1.33 | 1.19 | -1.48 | 4.69E-01 | 0.443 | 0.440 | 1.01 | 0.91 | -1.12 | 1.14 | 1.80E-03 | C10orf107(dist=64305), ARID5B(dist=70617) | intergenic |
| 2 | 158810666 | C | T | rs13010049 | 7.43E-01 | 0.117 | 0.115 | 1.02 | 0.86 | -1.21 | 2.49E-05 | 0.142 | 0.106 | 1.39 | 1.2 | -1.63 | 1.22 | 1.80E-03 | ACVR1(dist=78292), UPP2(dist=41025) | intergenic |
| 18 | 72905053 | T | C | rs115979417 | 2.85E-05 | 0.061 | 0.039 | 1.59 | 1.24 | -2.05 | 9.53E-01 | 0.034 | 0.033 | 1.03 | 0.77 | -1.37 | 1.39 | 1.81E-03 | ZNF407(dist=127425), ZADH2(dist=42225) | intergenic |
| 5 | 13912680 | G | C | rs13169839 | 7.47E-01 | 0.486 | 0.481 | 0.98 | 0.88 | -1.09 | 3.22E-05 | 0.529 | 0.479 | 0.82 | 0.74 | -0.91 | 0.88 | 1.81E-03 | DNAH5 | intronic |
| 6 | 32459572 | T | C | rs74345507 | 3.62E-05 | 0.103 | 0.127 | 0.78 | 0.66 | -0.93 | 4.79E-01 | 0.129 | 0.139 | 0.91 | 0.78 | -1.06 | 0.78 | 1.82E-03 | HLA-DRA(dist=46746), HLA-DRB5(dist=25582) | intergenic</ |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 4 | 189436696 | C | A | rs73875226 | 7.29E-06 | 0.057 | 0.035 | 1.70 | 1.3 | -2.21 | 7.28E-01 | 0.036 | 0.035 | 1.03 | 0.77 | -1.36 | 1.40 | 1.85E-03 | LINC01060 | ncRNA_intronic |
| 14 | 51441528 | G | A | rs73288810 | 2.66E-05 | 0.171 | 0.133 | 1.35 | 1.16 | -1.57 | 8.55E-01 | 0.136 | 0.130 | 1.05 | 0.9 | -1.22 | 1.21 | 1.86E-03 | TRIM9 | downstream |
| 12 | 5063504 | G | A | rs76364502 | 1.71E-05 | 0.055 | 0.028 | 2.00 | 1.51 | -2.66 | 6.99E-01 | 0.058 | 0.060 | 0.96 | 0.76 | -1.19 | 1.36 | 1.87E-03 | KCNA1(dist=36082), KCNA5(dist=89581) | intergenic |
| 12 | 5068232 | G | A | rs79431781 | 3.04E-05 | 0.056 | 0.029 | 1.95 | 1.48 | -2.57 | 6.15E-01 | 0.061 | 0.063 | 0.97 | 0.78 | -1.2 | 1.36 | 1.87E-03 | KCNA1(dist=40810), KCNA5(dist=84853) | intergenic |
| 8 | 38835465 | C | T | rs55736573 | 7.89E-01 | 0.074 | 0.077 | 0.97 | 0.79 | -1.19 | 2.10E-05 | 0.101 | 0.067 | 1.55 | 1.3 | -1.86 | 1.27 | 1.88E-03 | HTRA4 | intronic |
| 18 | 72897271 | C | T | rs146531426 | 3.13E-05 | 0.060 | 0.039 | 1.59 | 1.24 | -2.05 | 9.47E-01 | 0.035 | 0.034 | 1.03 | 0.77 | -1.37 | 1.39 | 1.89E-03 | ZNF407(dist=119643), ZADH2(dist=12007) | intergenic |
| 10 | 15455419 | A | C | rs61842742 | 8.36E-01 | 0.076 | 0.072 | 1.07 | 0.87 | -1.31 | 3.41E-05 | 0.091 | 0.067 | 1.40 | 1.16 | -1.68 | 1.29 | 1.90E-03 | FAM171A1(dist=42361), ITGA8(dist=100529) | intergenic |
| 6 | 32552746 | A | G | rs189591509 | 5.60E-05 | 0.075 | 0.095 | 0.77 | 0.63 | -0.94 | 5.49E-01 | 0.088 | 0.092 | 0.95 | 0.79 | -1.14 | 0.74 | 1.90E-03 | HLA-DRB1 | intronic |
| 15 | 48774327 | A | T | rs16960997 | 3.74E-05 | 0.315 | 0.269 | 1.25 | 1.11 | -1.41 | 8.24E-01 | 0.286 | 0.278 | 1.04 | 0.92 | -1.16 | 1.15 | 1.91E-03 | FBN1 | intronic |
| 6 | 29413861 | A | T | rs116678588 | 6.01E-01 | 0.107 | 0.114 | 0.93 | 0.78 | -1.11 | 7.79E-07 | 0.144 | 0.098 | 1.56 | 1.33 | -1.82 | 1.22 | 1.92E-03 | OR10C1(dist=5107), OR2H1(dist=12369) | intergenic |
| 18 | 72912486 | A | G | rs74389878 | 2.64E-05 | 0.060 | 0.039 | 1.58 | 1.22 | -2.03 | 9.32E-01 | 0.034 | 0.033 | 1.03 | 0.77 | -1.37 | 1.40 | 1.93E-03 | ZADH2(NM_175907:c.*885T>C) | UTR3 |
| 12 | 54105074 | T | C | rs3741662 | 8.15E-06 | 0.172 | 0.227 | 0.71 | 0.62 | -0.81 | 9.31E-01 | 0.200 | 0.188 | 1.08 | 0.95 | -1.23 | 0.84 | 1.93E-03 | CALCOCO1 | UTR3 |
| 6 | 29411974 | C | G | rs6930431 | 6.04E-01 | 0.107 | 0.114 | 0.93 | 0.78 | -1.11 | 8.10E-07 | 0.144 | 0.097 | 1.56 | 1.33 | -1.82 | 1.22 | 1.93E-03 | OR10C1(dist=3220), OR2H1(dist=14256) | intergenic |
| 6 | 29413779 | T | G | rs16894923 | 6.01E-01 | 0.107 | 0.114 | 0.93 | 0.78 | -1.11 | 7.93E-07 | 0.144 | 0.098 | 1.55 | 1.33 | -1.82 | 1.22 | 1.93E-03 | OR10C1(dist=5025), OR2H1(dist=12451) | intergenic |
| 7 | 143205171 | T | C | rs10237688 | 1.76E-05 | 0.130 | 0.103 | 0.72 | 0.61 | -0.84 | 9.49E-01 | 0.143 | 0.141 | 1.01 | 0.87 | -1.18 | 0.83 | 1.93E-03 | EPHA1-AS1 | ncRNA_intronic |
| 11 | 7855047 | C | T | rs2048430 | 4.82E-01 | 0.432 | 0.408 | 1.10 | 0.98 | -1.23 | 3.50E-07 | 0.362 | 0.437 | 0.73 | 0.66 | -0.81 | 0.88 | 1.93E-03 | OR5P3(dist=7528), OR5E1P(dist=15551) | intergenic |
| 6 | 29413534 | A | G | rs58774316 | 6.01E-01 | 0.107 | 0.114 | 0.93 | 0.78 | -1.11 | 8.01E-07 | 0.144 | 0.097 | 1.55 | 1.33 | -1.82 | 1.22 | 1.94E-03 | OR10C1(dist=4780), OR2H1(dist=12696) | intergenic |
| 6 | 29413527 | G | T | rs58855769 | 6.01E-01 | 0.107 | 0.114 | 0.93 | 0.78 | -1.11 | 8.02E-07 | 0.144 | 0.097 | 1.55 | 1.33 | -1.82 | 1.22 | 1.94E-03 | OR10C1(dist=4773), OR2H1(dist=12703) | intergenic |
| 17 | 33110481 | G | A | rs111515563 | 2.42E-05 | 0.050 | 0.080 | 0.60 | 0.47 | -0.76 | 9.77E-01 | 0.058 | 0.056 | 1.03 | 0.82 | -1.29 | 0.77 | 1.94E-03 | TMEM132E(dist=144139), CCT6B(dist=144397) | intergenic |
| 12 | 5063188 | G | T | rs974447 | 1.74E-05 | 0.055 | 0.028 | 2.00 | 1.51 | -2.65 | 7.07E-01 | 0.057 | 0.060 | 0.95 | 0.76 | -1.19 | 1.36 | 1.94E-03 | KCNA1(dist=35766), KCNA5(dist=89897) | intergenic |
| 2 | 158823492 | C | T | rs35653834 | 8.08E-01 | 0.131 | 0.130 | 1.01 | 0.86 | -1.19 | 2.01E-05 | 0.159 | 0.121 | 1.38 | 1.19 | -1.59 | 1.21 | 1.95E-03 | ACVR1(dist=91118), UPP2(dist=28199) | intergenic |
| 2 | 60140608 | C | T | rs1559621 | 8.17E-01 | 0.407 | 0.419 | 1.05 | 0.94 | -1.18 | 2.28E-05 | 0.368 | 0.417 | 1.23 | 1.1 | -1.37 | 1.14 | 1.95E-03 | LOC101927285(dist=634073), MIR4432(dist=473889) | intergenic |
| 8 | 38848808 | C | T | rs58771784 | 9.72E-01 | 0.077 | 0.081 | 0.94 | 0.77 | -1.15 | 1.05E-05 | 0.104 | 0.069 | 1.58 | 1.32 | -1.89 | 1.26 | 1.97E-03 | TM2D2 | UTR3 |
| 15 | 77520611 | C | T | rs115757025 | 6.97E-01 | 0.018 | 0.021 | 0.89 | 0.6 | -1.33 | 8.25E-06 | 0.042 | 0.023 | 1.83 | 1.38 | -2.42 | 1.53 | 1.98E-03 | PEAK1 | intronic |
| 1 | 90076645 | T | G | rs1215537 | 3.77E-05 | 0.518 | 0.447 | 0.75 | 0.67 | -0.84 | 6.98E-01 | 0.504 | 0.493 | 1.04 | 0.94 | -1.16 | 0.88 | 1.98E-03 | LRRC8B(dist=13225), FLJ27354(dist=13763) | intergenic |
| 2 | 224825748 | A | G | rs73992135 | 1.47E-05 | 0.046 | 0.026 | 1.81 | 1.34 | -2.43 | 7.33E-01 | 0.028 | 0.028 | 1.00 | 0.73 | -1.37 | 1.49 | 1.99E-03 | MRPL44 | intronic |
| 1 | 90075618 | C | G | rs1215539 | 3.76E-05 | 0.518 | 0.447 | 0.75 | 0.67 | -0.84 | 7.01E-01 | 0.504 | 0.494 | 1.04 | 0.94 | -1.16 | 0.88 | 2.00E-03 | LRRC8B(dist=12198), FLJ27354(dist=14790) | intergenic |
| 17 | 33289860 | C | T | rs7582391 | 2.48E-05 | 0.051 | 0.083 | 0.60 | 0.48 | -0.75 | 9.44E-01 | 0.061 | 0.059 | 1.03 | 0.83 | -1.28 | 0.78 | 2.00E-03 | ZNF830(NM_052857:c.*156T>C) | UTR3 |
| 15 | 48780089 | A | C | rs7176364 | 4.90E-05 | 0.319 | 0.273 | 1.24 | 1.1 | -1.4 | 8.28E-01 | 0.282 | 0.274 | 1.04 | 0.93 | -1.17 | 1.15 | 2.03E-03 | FBN1 | intronic |
| 10 | 97355065 | A | C | rs7914886 | 1.60E-05 | 0.203 | 0.165 | 1.29 | 1.12 | -1.49 | 6.78E-01 | 0.171 | 0.162 | 1.06 | 0.93 | -1.22 | 1.19 | 2.03E-03 | SORBS1(dist=33888), ALDH18A1(dist=10621) | intergenic |
| 12 | 5062786 | G | A | rs77487155 | 1.91E-05 | 0.055 | 0.028 | 1.98 | 1.5 | -2.63 | 7.05E-01 | 0.057 | 0.060 | 0.96 | 0.76 | -1.19 | 1.37 | 2.04E-03 | KCNA1(dist=35364), KCNA5(dist=90299) | intergenic |
| 3 | 64021693 | A | C | rs831556 | 7.53E-01 | 0.209 | 0.213 | 1.03 | 0.9 | -1.18 | 3.01E-06 | 0.242 | 0.194 | 0.76 | 0.67 | -0.86 | 0.86 | 2.05E-03 | PSMD6(dist=12007), PRICKLE2-AS1(dist=31947) | intergenic |
| 10 | 97354795 | C | T | rs7914594 | 1.62E-05 | 0.203 | 0.165 | 1.29 | 1.12 | -1.49 | 6.79E-01 | 0.171 | 0.162 | 1.06 | 0.93 | -1.22 | 1.19 | 2.05E-03 | SORBS1(dist=33618), ALDH18A1(dist=10891) | intergenic |
| 2 | 158826966 | G | A | rs66539140 | 7.58E-01 | 0.126 | 0.125 | 1.01 | 0.86 | -1.19 | 2.78E-05 | 0.150 | 0.113 | 1.39 | 1.19 | -1.61 | 1.21 | 2.05E-03 | ACVR1(dist=94592), UPP2(dist=24725) | intergenic |
| 14 | 62731724 | T | G | rs11158386 | 6.77E-01 | 0.389 | 0.395 | 1.03 | 0.92 | -1.15 | 5.35E-05 | 0.418 | 0.361 | 0.79 | 0.71 | -0.87 | 0.88 | 2.08E-03 | LINC00644(dist=125033), KCNHS5(dist=441567) | intergenic |
| 10 | 97349766 | C | G | rs7915912 | 1.66E-05 | 0.203 | 0.165 | 1.29 | 1.12 | -1.49 | 6.79E-01 | 0.171 | 0.162 | 1.06 | 0.93 | -1.22 | 1.19 | 2.08E-03 | SORBS1(dist=28589), ALDH18A1(dist=15920) | intergenic |
| 3 | 143081155 | C | G | rs140013969 | 8.20E-01 | 0.052 | 0.054 | 0.97 | 0.76 | -1.23 | 1.75E-05 | 0.065 | 0.043 | 1.56 | 1.25 | -1.94 | 1.34 | 2.09E-03 | SLC9A9 | intronic |
| 1 | 90077462 | C | G | rs1215536 | 4.51E-05 | 0.518 | 0.447 | 0.75 | 0.67 | -0.84 | 6.85E-01 | 0.504 | 0.494 | 1.04 | 0.94 | -1.16 | 0.88 | 2.09E-03 | LRRC8B(dist=14042), FLJ27354(dist=12946) | intergenic |
| 1 | 90077723 | T | G | rs1215535 | 4.52E-05 | 0.518 | 0.447 | 0.75 | 0.67 | -0.84 | 6.85E-01 | 0.504 | 0.494 | 1.04 | 0.94 | -1.16 | 0.88 | 2.09E-03 | LRRC8B(dist=14303), FLJ27354(dist=12685) | intergenic |
| 3 | 143080794 | A | G | rs78986929 | 8.21E-01 | 0.052 | 0.054 | 0.97 | 0.76 | -1.23 | 1.76E-05 | 0.065 | 0.043 | 1.56 | 1.25 | -1.94 | 1.34 | 2.10E-03 | SLC9A9 | intronic |
| 1 | 90078395 | G | A | rs1215532 | 4.54E-05 | 0.518 | 0.447 | 0.75 | 0.67 | -0.84 | 6.86E-01 | 0.504 | 0.494 | 1.04 | 0.94 | -1.16 | 0.88 | 2.10E-03 | LRRC8B(dist=14975), FLJ27354(dist=12013) | intergenic |
| 1 | 90080635 | T | C | rs1215526 | 4.62E-05 | 0.519 | 0.448 | 0.75 | 0.67 | -0.84 | 6.83E-01 | 0.503 | 0.493 | 1.04 | 0.94 | -1.16 | 0.88 | 2.10E-03 | LRRC8B(dist=17215), FLJ27354(dist=9773) | intergenic |
| 1 | 90075604 | T | C | rs1215540 | 4.44E-05 | 0.518 | 0.447 | 0.75 | 0.67 | -0.84 | 6.90E-01 | 0.505 | 0.494 | 1.04 | 0.94 | -1.16 | 0.88 | 2.11E-03 | LRRC8B(dist=12184), FLJ27354(dist=14804) | intergenic |
| 15 | 48770884 | C | G | rs12591552 | 4.05E-05 | 0.313 | 0.268 | 1.24 | 1.1 | -1.4 | 8.43E-01 | 0.286 | 0.279 | 1.04 | 0.92 | -1.16 | 1.15 | 2.12E-03 | FBN1 | intronic |
| 11 | 36918843 | A | G | rs73452356 | 8.17E-01 | 0.055 | 0.058 | 0.96 | 0.76 | -1.21 | 2.14E-05 | 0.071 | 0.045 | 1.61 | 1.3 | -1.99 | 1.33 | 2.12E-03 | C11orf74(dist=238002), LOC103312105(dist=1720971) | intergenic |
| 5 | 13916302 | C | A | rs11750882 | 7.43E-01 | 0.471 | 0.464 | 0.97 | 0.87 | -1.09 | 4.37E-05 | 0.514 | 0.466 | 0.82 | 0.74 | -0.91 | 0.88 | 2.12E-03 | DNAH5 | intronic |
| 6 | 29412600 | C | T | rs61201055 | 6.08E-01 | 0.107 | 0.114 | 0.93 | 0.78 | -1.11 | 1.05E-06 | 0.144 | 0.098 | 1.55 | 1.33 | -1.81 | 1.22 | 2.13E-03 | OR10C1(dist=3846), OR2H1(dist=13630) | intergenic |
| 1 | 90074072 | G | A | rs946386 | 4.37E-05 | 0.518 | 0.447 | 0.75 | 0.67 | -0.84 | 6.96E-01 | 0.505 | 0.495 | 1.04 | 0.94 | -1.16 | 0.88 | 2.13E-03 | LRRC8B(dist=10652), FLJ27354(dist=16336) | intergenic |
| 15 | 48771419 | C | G | rs12902728 | 4.10E-05 | 0.313 | 0.268 | 1.24 | 1.1 | -1.4 | 8.43E-01 | 0.286 | 0.279 | 1.04 | 0.92 | -1.16 | 1.15 | 2.14E-03 | FBN1 | intronic |
| 17 | 33196834 | G | A | rs116740585 | 3.05E-05 | 0.051 | 0.082 | 0.60 | 0.48 | -0.75 | 9.41E-01 | 0.061 | 0.059 | 1.03 | 0.83 | -1.28 | 0.78 | 2.14E-03 | TMEM132E(dist=230492), CCT6B(dist=58044) | intergenic |
| 1 | 90073808 | T | C | rs946385 | 4.37E-05 | 0.518 | 0.446 | 0.75 | 0.67 | -0.84 | 6.97E-01 | 0.505 | 0.495 | 1.04 | 0.94 | -1.16 | 0.88 | 2.14E-03 | LRRC8B(dist=10388), FLJ27354(dist=16600) | intergenic |
| 6 | 29415652 | T | C | rs6929603 | 5.93E-01 | 0.108 | 0.115 | 0.93 | 0.78 | -1.11 | 8.90E-07 | 0.145 | 0.099 | 1.54 | 1.32 | -1.8 | 1.22 | 2.15E-03 | OR10C1(dist=6898), OR2H1(dist=10578) | intergenic |
| 3 | 133729578 | C | T | rs150831364 | 8.01E-01 | 0.034 | 0.034 | 0.99 | 0.73 | -1.34 | 4.29E-06 | 0.036 | 0.021 | 1.69 | 1.25 | -2.29 | 1.61 | 2.15E-03 | SLCO2A1 | intronic |
| 1 | 90073389 | T | C | rs1215545 | 4.38E-05 | 0.518 | 0.446 | 0.75 | 0.67 | -0.84 | 6.99E-01 | 0.505 | 0.495 | 1.04 | 0.94 | -1.16 | 0.88 | 2.15E-03 | LRRC8B(dist=9969), FLJ27354(dist=17019) | intergenic |
| 10 | 97338549 | C | T | rs6584010 | 2.72E-05 | 0.208 | 0.171 | 1.27 | 1.11 | -1.46 | 6.11E-01 | 0.177 | 0.167 | 1.07 | 0.94 | -1.23 | 1.18 | 2.16E-03 | SORBS1(dist=17372), ALDH18A1(dist=27137) | intergenic |
| 6 | 32457041 | C | A | rs76327699 | 7.12E-06 | 0.133 | 0.165 | 0.77 | 0.66 | -0.9 | 9.86E-01 | 0.145 | 0.150 | 0.96 | 0.83 | -1.11 | 0.80 | 2.17E-03 | HLA-DRA(dist=44215), HLA-DRB5(dist=28113) | intergenic |
| 12 | 8766844 | A | | | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 4 | 96531776 | C | T | rs72878392 | 6.50E-05 | 0.162 | 0.131 | 1.29 | 1.1 | -1.5 | 7.40E-01 | 0.138 | 0.130 | 1.07 | 0.92 | -1.25 | 1.19 | 2.26E-03 | UNC5C(dist=61415), PDHA2(dist=229463) | intergenic |
| 1 | 90072888 | C | T | rs1215547 | 4.43E-05 | 0.526 | 0.455 | 0.75 | 0.67 | -0.84 | 6.99E-01 | 0.505 | 0.495 | 1.04 | 0.94 | -1.16 | 0.88 | 2.28E-03 | LRRC8B(dist=9468), FLJ27354(dist=17520) | intergenic |
| 2 | 158814650 | C | T | rs12988329 | 9.50E-01 | 0.128 | 0.129 | 1.00 | 0.85 | -1.17 | 1.24E-05 | 0.158 | 0.118 | 1.40 | 1.21 | -1.63 | 1.20 | 2.28E-03 | ACVR1(dist=82276), UPP2(dist=37041) | intergenic |
| 3 | 143074864 | A | G | rs115851154 | 8.34E-01 | 0.052 | 0.054 | 0.96 | 0.75 | -1.23 | 1.93E-05 | 0.065 | 0.043 | 1.56 | 1.25 | -1.94 | 1.34 | 2.28E-03 | SLC9A9 | intronic |
| 21 | 46574554 | G | A | rs372519 | 2.53E-05 | 0.520 | 0.462 | 1.26 | 1.13 | -1.41 | 7.89E-01 | 0.499 | 0.497 | 1.01 | 0.91 | -1.12 | 1.14 | 2.29E-03 | ADARB1 | intronic |
| 7 | 79005116 | C | T | rs10257558 | 9.64E-01 | 0.110 | 0.112 | 0.98 | 0.82 | -1.16 | 4.25E-06 | 0.134 | 0.097 | 1.44 | 1.23 | -1.68 | 1.23 | 2.30E-03 | MAGI2 | intronic |
| 17 | 33264298 | T | C | rs115194317 | 3.37E-05 | 0.051 | 0.082 | 0.60 | 0.48 | -0.76 | 9.46E-01 | 0.061 | 0.059 | 1.03 | 0.83 | -1.28 | 0.78 | 2.30E-03 | CCT6B | intronic |
| 7 | 79005504 | A | G | rs10273372 | 9.65E-01 | 0.110 | 0.112 | 0.98 | 0.82 | -1.16 | 4.30E-06 | 0.134 | 0.097 | 1.44 | 1.23 | -1.68 | 1.23 | 2.31E-03 | MAGI2 | intronic |
| 7 | 79009106 | C | A | rs10252300 | 9.52E-01 | 0.110 | 0.112 | 0.98 | 0.82 | -1.17 | 4.77E-06 | 0.134 | 0.097 | 1.43 | 1.22 | -1.68 | 1.23 | 2.32E-03 | MAGI2 | intronic |
| 6 | 96713461 | C | T | rs62417778 | 5.69E-05 | 0.056 | 0.083 | 0.65 | 0.52 | -0.81 | 7.58E-01 | 0.066 | 0.075 | 0.88 | 0.72 | -1.08 | 0.78 | 2.32E-03 | FUT9(dist=49973), UFL1(dist=256241) | intergenic |
| 2 | 60147167 | C | T | rs2113798 | 9.72E-01 | 0.478 | 0.481 | 1.01 | 0.91 | -1.13 | 1.38E-05 | 0.427 | 0.481 | 1.24 | 1.12 | -1.38 | 1.13 | 2.33E-03 | LOC101927285(dist=640632), MIR4432(dist=467330) | intergenic |
| 9 | 38055128 | A | G | rs3849927 | 7.46E-01 | 0.342 | 0.338 | 0.98 | 0.87 | -1.1 | 5.71E-05 | 0.369 | 0.320 | 0.81 | 0.72 | -0.9 | 0.88 | 2.33E-03 | SHB | intronic |
| 11 | 77859397 | A | G | rs77447197 | 6.23E-01 | 0.053 | 0.052 | 1.01 | 0.79 | -1.29 | 3.15E-05 | 0.058 | 0.036 | 1.66 | 1.31 | -2.11 | 1.36 | 2.33E-03 | KCTD21-AS1 | ncRNA_intronic |
| 11 | 36928544 | A | G | rs73452364 | 8.16E-01 | 0.056 | 0.058 | 0.96 | 0.76 | -1.22 | 2.55E-05 | 0.071 | 0.046 | 1.60 | 1.29 | -1.98 | 1.33 | 2.35E-03 | C11orf74(dist=247703), LOC103312105(dist=1711270) | intergenic |
| 14 | 62732172 | A | G | rs34956369;rs11158388 | 8.02E-01 | 0.393 | 0.400 | 1.03 | 0.92 | -1.15 | 5.74E-05 | 0.429 | 0.373 | 0.79 | 0.71 | -0.88 | 0.88 | 2.36E-03 | LINC00644(dist=125481), KCNH5(dist=441119) | intergenic |
| 12 | 50774271 | A | G | rs7303163 | 8.27E-06 | 0.056 | 0.028 | 2.05 | 1.55 | -2.71 | 9.20E-01 | 0.059 | 0.063 | 0.93 | 0.74 | -1.15 | 1.36 | 2.37E-03 | KCNA1(dist=49999), KCNA5(dist=75664) | intergenic |
| 6 | 141711296 | G | A | rs149952738 | 7.47E-01 | 0.055 | 0.055 | 1.00 | 0.79 | -1.27 | 4.87E-05 | 0.072 | 0.047 | 1.56 | 1.26 | -1.92 | 1.33 | 2.38E-03 | MIR4465(dist=706276), NMBR(dist=685449) | intergenic |
| 21 | 25448107 | C | A | rs1699639 | 9.39E-01 | 0.049 | 0.049 | 0.99 | 0.77 | -1.27 | 8.93E-06 | 0.057 | 0.035 | 1.66 | 1.31 | -2.11 | 1.38 | 2.38E-03 | D21S2088E(dist=690951), LOC101927869(dist=228756) | intergenic |
| 6 | 141706496 | A | G | rs116839492 | 7.33E-01 | 0.055 | 0.055 | 1.00 | 0.79 | -1.27 | 5.42E-05 | 0.071 | 0.047 | 1.56 | 1.26 | -1.93 | 1.32 | 2.39E-03 | MIR4465(dist=701476), NMBR(dist=690249) | intergenic |
| 14 | 62730395 | A | C | rs4902121 | 8.66E-01 | 0.390 | 0.398 | 1.03 | 0.92 | -1.16 | 2.92E-05 | 0.408 | 0.350 | 0.78 | 0.7 | -0.87 | 0.88 | 2.41E-03 | LINC00644(dist=123704), KCNH5(dist=442896) | intergenic |
| 6 | 141707890 | C | G | rs150824548 | 7.48E-01 | 0.055 | 0.056 | 1.00 | 0.79 | -1.27 | 4.94E-05 | 0.072 | 0.047 | 1.56 | 1.26 | -1.92 | 1.32 | 2.41E-03 | MIR4465(dist=702870), NMBR(dist=688855) | intergenic |
| 2 | 158812615 | C | T | rs13023945 | 8.47E-01 | 0.129 | 0.128 | 1.00 | 0.85 | -1.18 | 2.11E-05 | 0.155 | 0.117 | 1.39 | 1.2 | -1.61 | 1.20 | 2.42E-03 | ACVR1(dist=80241), UPP2(dist=39076) | intergenic |
| 10 | 97336379 | C | G | rs7305365 | 2.73E-05 | 0.208 | 0.171 | 1.27 | 1.11 | -1.46 | 6.35E-01 | 0.178 | 0.168 | 1.07 | 0.93 | -1.23 | 1.18 | 2.42E-03 | SORBS1(dist=15202), ALDH18A1(dist=29307) | intergenic |
| 6 | 108724531 | C | T | rs56945680 | 6.15E-01 | 0.161 | 0.174 | 0.91 | 0.78 | -1.05 | 6.20E-05 | 0.127 | 0.152 | 0.81 | 0.7 | -0.95 | 0.84 | 2.42E-03 | LACE1 | intronic |
| 18 | 72900325 | C | T | rs115921118 | 4.61E-05 | 0.060 | 0.039 | 1.57 | 1.22 | -2.03 | 9.44E-01 | 0.035 | 0.034 | 1.03 | 0.77 | -1.37 | 1.38 | 2.42E-03 | ZNF407(dist=122697), ZADH2(dist=8953) | intergenic |
| 19 | 36712221 | C | T | rs147959229 | 9.69E-01 | 0.067 | 0.072 | 0.93 | 0.75 | -1.16 | 3.79E-05 | 0.099 | 0.070 | 1.45 | 1.21 | -1.74 | 1.30 | 2.43E-03 | ZNF146 | intronic |
| 2 | 140061178 | C | T | rs1344973 | 6.45E-01 | 0.458 | 0.467 | 1.04 | 0.93 | -1.16 | 4.86E-05 | 0.419 | 0.463 | 1.20 | 1.08 | -1.33 | 1.15 | 2.43E-03 | YY1P2(dist=404434), LRP1B(dist=927818) | intergenic |
| 6 | 29409106 | T | C | rs11968684;rs386698375 | 6.11E-01 | 0.107 | 0.114 | 0.93 | 0.78 | -1.11 | 7.92E-07 | 0.136 | 0.092 | 1.56 | 1.33 | -1.83 | 1.22 | 2.43E-03 | OR10C1 | downstream |
| 2 | 158824518 | G | A | rs13014993 | 7.40E-01 | 0.132 | 0.130 | 1.01 | 0.86 | -1.19 | 4.45E-05 | 0.157 | 0.120 | 1.37 | 1.18 | -1.59 | 1.20 | 2.43E-03 | ACVR1(dist=92144), UPP2(dist=27173) | intergenic |
| 5 | 37970920 | G | C | rs13183095 | 9.94E-01 | 0.426 | 0.426 | 1.00 | 0.9 | -1.12 | 1.10E-05 | 0.374 | 0.425 | 0.81 | 0.72 | -0.9 | 0.88 | 2.44E-03 | GDNF-AS1(dist=95020), EGFLAM(dist=287591) | intergenic |
| 15 | 99638949 | A | G | rs1703796 | 6.40E-05 | 0.318 | 0.351 | 1.16 | 1.03 | -1.3 | 8.38E-01 | 0.385 | 0.404 | 1.08 | 0.97 | -1.2 | 1.15 | 2.44E-03 | LUNAR1(dist=64674), SYNM(dist=6337) | intergenic |
| 10 | 15436365 | T | C | rs11594332 | 9.79E-01 | 0.079 | 0.074 | 1.07 | 0.87 | -1.32 | 1.95E-05 | 0.100 | 0.076 | 1.34 | 1.12 | -1.6 | 1.27 | 2.48E-03 | FAM171A1(dist=23307), ITGA8(dist=119583) | intergenic |
| 10 | 97329911 | T | C | rs11188367 | 3.50E-05 | 0.224 | 0.185 | 1.27 | 1.11 | -1.46 | 5.96E-01 | 0.198 | 0.189 | 1.06 | 0.93 | -1.21 | 1.18 | 2.49E-03 | SORBS1(dist=8734), ALDH18A1(dist=35775) | intergenic |
| 2 | 158831351 | C | T | rs34449717 | 7.61E-01 | 0.128 | 0.127 | 1.01 | 0.86 | -1.19 | 3.98E-05 | 0.154 | 0.117 | 1.37 | 1.18 | -1.59 | 1.21 | 2.49E-03 | ACVR1(dist=98977), UPP2(dist=20340) | intergenic |
| 16 | 85081912 | A | G | rs8051294 | 9.16E-01 | 0.400 | 0.390 | 0.96 | 0.86 | -1.07 | 3.41E-05 | 0.360 | 0.422 | 1.29 | 1.16 | -1.44 | 1.14 | 2.50E-03 | KIAA0513 | intronic |
| 21 | 46629464 | G | C | rs3788183 | 5.77E-05 | 0.487 | 0.431 | 1.25 | 1.12 | -1.4 | 6.50E-01 | 0.469 | 0.467 | 1.01 | 0.91 | -1.12 | 1.13 | 2.50E-03 | ADARB1 | intronic |
| 15 | 89857804 | T | C | rs16943013 | 8.47E-01 | 0.058 | 0.060 | 0.96 | 0.76 | -1.21 | 5.08E-05 | 0.072 | 0.046 | 1.60 | 1.29 | -1.98 | 1.31 | 2.51E-03 | FANCI | intronic |
| 10 | 83319665 | C | T | rs116631201 | 6.29E-01 | 0.084 | 0.085 | 0.98 | 0.81 | -1.2 | 4.00E-05 | 0.092 | 0.067 | 1.41 | 1.17 | -1.7 | 1.29 | 2.51E-03 | SH2D4B(dist=913349), NRG3(dist=315405) | intergenic |
| 8 | 19011610 | C | T | rs115423277 | 5.58E-05 | 0.026 | 0.049 | 0.53 | 0.39 | -0.72 | 9.38E-01 | 0.032 | 0.031 | 1.04 | 0.77 | -1.39 | 0.70 | 2.51E-03 | PSD3(dist=140414), LOC100128993(dist=29576) | intergenic |
| 1 | 90079678 | C | T | rs1215529 | 5.43E-05 | 0.517 | 0.447 | 0.76 | 0.68 | -0.84 | 7.17E-01 | 0.505 | 0.495 | 1.04 | 0.94 | -1.16 | 0.88 | 2.52E-03 | LRRC8B(dist=16258), FLJ27354(dist=10730) | intergenic |
| 2 | 224794396 | T | C | rs73992110 | 2.13E-05 | 0.043 | 0.023 | 1.90 | 1.39 | -2.6 | 7.83E-01 | 0.029 | 0.028 | 1.01 | 0.74 | -1.38 | 1.47 | 2.54E-03 | WDFY1 | intronic |
| 16 | 85080848 | C | T | rs8045387 | 8.40E-01 | 0.401 | 0.392 | 0.96 | 0.86 | -1.08 | 5.91E-05 | 0.370 | 0.429 | 1.28 | 1.15 | -1.42 | 1.14 | 2.55E-03 | KIAA0513 | intronic |
| 3 | 64053207 | T | C | rs166230 | 8.04E-01 | 0.211 | 0.211 | 1.00 | 0.88 | -1.14 | 5.57E-05 | 0.225 | 0.186 | 0.79 | 0.69 | -0.89 | 0.86 | 2.56E-03 | PRICKLE2-AS1 | upstream |
| 7 | 79010235 | C | T | rs78254548 | 9.83E-01 | 0.108 | 0.110 | 0.98 | 0.82 | -1.16 | 5.31E-06 | 0.131 | 0.095 | 1.44 | 1.23 | -1.69 | 1.23 | 2.56E-03 | MAGI2 | intronic |
| 11 | 36977975 | G | A | rs115455621 | 8.15E-01 | 0.034 | 0.035 | 0.96 | 0.71 | -1.29 | 8.68E-06 | 0.042 | 0.024 | 1.80 | 1.36 | -2.39 | 1.45 | 2.56E-03 | C11orf74(dist=297134), LOC103312105(dist=1661839) | intergenic |
| 1 | 198606892 | C | G | rs114368190 | 5.95E-05 | 0.039 | 0.024 | 1.69 | 1.23 | -2.32 | 7.08E-01 | 0.032 | 0.029 | 1.12 | 0.83 | -1.52 | 1.46 | 2.56E-03 | ATP6V1G3(dist=96817), PTPRC(dist=1206) | intergenic |
| 10 | 83340308 | G | A | rs1933289 | 5.80E-01 | 0.084 | 0.085 | 0.99 | 0.81 | -1.21 | 6.34E-05 | 0.091 | 0.066 | 1.41 | 1.17 | -1.7 | 1.29 | 2.57E-03 | SH2D4B(dist=933992), NRG3(dist=294762) | intergenic |
| 5 | 37966315 | C | G | rs2292262 | 9.90E-01 | 0.471 | 0.475 | 0.98 | 0.88 | -1.1 | 1.40E-05 | 0.417 | 0.466 | 0.82 | 0.74 | -0.91 | 0.88 | 2.57E-03 | GDNF-AS1(dist=90415), EGFLAM(dist=292196) | intergenic |
| 11 | 102671839 | C | T | rs116002430 | 9.89E-01 | 0.026 | 0.027 | 0.98 | 0.7 | -1.38 | 3.41E-05 | 0.042 | 0.023 | 1.82 | 1.37 | -2.41 | 1.48 | 2.57E-03 | WTAPP1 | ncRNA_intronic |
| 3 | 59745406 | C | G | rs4679504 | 9.46E-01 | 0.028 | 0.023 | 1.21 | 0.86 | -1.71 | 6.27E-05 | 0.041 | 0.028 | 1.50 | 1.14 | -1.97 | 1.47 | 2.57E-03 | FHIT | intronic |
| 5 | 37957085 | T | C | rs6898456 | 7.49E-01 | 0.299 | 0.304 | 0.98 | 0.87 | -1.1 | 6.41E-05 | 0.263 | 0.308 | 0.80 | 0.71 | -0.9 | 0.87 | 2.59E-03 | GDNF-AS1(dist=81185), EGFLAM(dist=301426) | intergenic |
| 12 | 114982445 | A | G | rs10774757 | 9.03E-01 | 0.350 | 0.353 | 0.99 | 0.88 | -1.11 | 1.12E-05 | 0.377 | 0.328 | 1.24 | 1.11 | -1.38 | 1.15 | 2.60E-03 | TBX5-AS1(dist=131808), TBX3(dist=125614) | intergenic |
| 17 | 33294069 | G | A | rs141340287 | 4.35E-05 | 0.052 | 0.082 | 0.61 | 0.48 | -0.76 | 9.30E-01 | 0.061 | 0.060 | 1.03 | 0.83 | -1.28 | 0.78 | 2.61E-03 | ZNF830(dist=3864), LIG3(dist=13448) | intergenic |
| 7 | 79000955 | C | T | rs6943036 | 9.57E-01 | 0.110 | 0.112 | 0.98 | 0.82 | -1.16 | 6.05E-06 | 0.135 | 0.098 | 1.43 | 1.22 | -1.67 | 1.23 | 2.61E-03 | MAGI2 | intronic |
| 10 | 97237794 | A | G | rs998292 | 5.25E-05 | 0.409 | 0.463 | 1.25 | 1.12 | -1.39 | 5.30E-01 | 0.421 | 0.429 | 1.03 | 0.93 | -1.15 | 1.13 | 2.61E-03 | SORBS1 | intronic |
| 2 | 46188304 | C | G | rs6728293 | 5.58E-06 | 0.046 | 0.027 | 1.77 | 1.32 | -2.39 | 4.35E-01 | 0.027 | 0.028 | 0.97 | 0.71 | -1.34 | 1.51 | 2.61E-03 | PRKCE | intronic |
| 17 | 33083458 | C | G | rs76783155 | 3.01E-05 | 0.052 | 0.083 | 0.60 | 0.48 | - | | | | | | | | | | |

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|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 19 | 57274399 | G | A | rs145569750 | 8.51E-01 | 0.038 | 0.039 | 0.97 | 0.73 | -1.29 | 3.25E-05 | 0.030 | 0.045 | 0.65 | 0.49 | -0.88 | 0.70 | 2.71E-03 | ZNF835(dist=91276), ZIM2-AS1(dist=2291) | intergenic |
| 3 | 64009508 | T | C | rs40610 | 8.18E-01 | 0.215 | 0.219 | 0.98 | 0.86 | -1.12 | 1.09E-05 | 0.262 | 0.217 | 1.28 | 1.14 | -1.45 | 1.16 | 2.72E-03 | PSMD6 | exonic |
| 16 | 85089570 | A | C | rs11647328 | 9.77E-01 | 0.396 | 0.384 | 0.95 | 0.85 | -1.06 | 2.55E-05 | 0.360 | 0.422 | 1.30 | 1.17 | -1.45 | 1.13 | 2.72E-03 | KIAA0513 | intronic |
| 16 | 85089684 | A | G | rs11647376 | 9.77E-01 | 0.396 | 0.384 | 0.95 | 0.85 | -1.06 | 2.56E-05 | 0.360 | 0.422 | 1.30 | 1.17 | -1.45 | 1.13 | 2.73E-03 | KIAA0513 | intronic |
| 3 | 143026285 | A | T | rs111532413 | 9.73E-01 | 0.033 | 0.034 | 0.97 | 0.71 | -1.31 | 1.51E-05 | 0.045 | 0.027 | 1.71 | 1.31 | -2.24 | 1.44 | 2.74E-03 | SLC9A9 | intronic |
| 10 | 34417835 | A | G | rs1415546 | 3.92E-05 | 0.318 | 0.377 | 0.77 | 0.69 | -0.86 | 5.95E-01 | 0.335 | 0.340 | 0.97 | 0.87 | -1.09 | 0.88 | 2.74E-03 | PARD3 | intronic |
| 10 | 50134180 | C | T | rs10735227 | 7.31E-06 | 0.250 | 0.186 | 1.46 | 1.28 | -1.67 | 8.95E-01 | 0.248 | 0.256 | 0.96 | 0.85 | -1.08 | 1.18 | 2.76E-03 | WDFY4 | intronic |
| 10 | 83318001 | C | T | rs138691092 | 6.62E-01 | 0.083 | 0.085 | 0.98 | 0.8 | -1.19 | 3.97E-05 | 0.093 | 0.067 | 1.41 | 1.17 | -1.7 | 1.29 | 2.77E-03 | SH2D4B(dist=911685), NRG3(dist=317069) | intergenic |
| 2 | 57694254 | T | C | rs75576248 | 6.99E-01 | 0.032 | 0.028 | 1.15 | 0.84 | -1.59 | 2.85E-05 | 0.040 | 0.026 | 1.57 | 1.18 | -2.08 | 1.47 | 2.78E-03 | CCDC85A(dist=1080945), VRK2(dist=440532) | intergenic |
| 8 | 49975746 | G | A | rs2385127 | 5.19E-05 | 0.334 | 0.375 | 0.84 | 0.75 | -0.94 | 8.02E-01 | 0.361 | 0.376 | 0.94 | 0.84 | -1.04 | 0.88 | 2.79E-03 | C8orf22 | intronic |
| 2 | 140216853 | C | T | rs11899681 | 8.58E-01 | 0.494 | 0.488 | 0.98 | 0.88 | -1.09 | 2.75E-05 | 0.526 | 0.466 | 1.27 | 1.14 | -1.41 | 1.13 | 2.81E-03 | YY1P2(dist=560109), LRP1B(dist=772143) | intergenic |
| 10 | 83317761 | A | G | rs150110036 | 6.67E-01 | 0.083 | 0.085 | 0.98 | 0.8 | -1.19 | 3.96E-05 | 0.093 | 0.067 | 1.41 | 1.17 | -1.7 | 1.29 | 2.81E-03 | SH2D4B(dist=911445), NRG3(dist=317309) | intergenic |
| 12 | 5066440 | C | T | rs79760117 | 5.46E-05 | 0.056 | 0.030 | 1.88 | 1.43 | -2.47 | 6.35E-01 | 0.059 | 0.061 | 0.96 | 0.77 | -1.2 | 1.35 | 2.82E-03 | KCNA1(dist=39018), KCNA5(dist=86645) | intergenic |
| 8 | 62254719 | C | G | rs113127855 | 9.05E-01 | 0.049 | 0.052 | 0.94 | 0.73 | -1.21 | 7.55E-06 | 0.060 | 0.036 | 1.71 | 1.35 | -2.16 | 1.36 | 2.83E-03 | CLVS1 | intronic |
| 10 | 121921817 | T | C | rs7078528 | 9.97E-01 | 0.265 | 0.268 | 1.02 | 0.9 | -1.15 | 4.33E-05 | 0.223 | 0.266 | 1.26 | 1.11 | -1.42 | 1.15 | 2.85E-03 | MIR4682(dist=203713), PPAADC1A(dist=294649) | intergenic |
| 16 | 85085395 | G | A | rs12923299 | 9.88E-01 | 0.396 | 0.384 | 0.95 | 0.85 | -1.06 | 3.25E-05 | 0.356 | 0.418 | 1.30 | 1.17 | -1.45 | 1.13 | 2.86E-03 | KIAA0513 | intronic |
| 10 | 97329035 | A | C | rs12257523 | 2.45E-05 | 0.206 | 0.169 | 1.27 | 1.11 | -1.46 | 6.84E-01 | 0.177 | 0.168 | 1.07 | 0.93 | -1.22 | 1.18 | 2.87E-03 | SORBS1(dist=7858), ALDH18A1(dist=36651) | intergenic |
| 10 | 97333234 | T | C | rs7912555 | 3.33E-05 | 0.209 | 0.173 | 1.26 | 1.1 | -1.45 | 6.51E-01 | 0.178 | 0.168 | 1.07 | 0.93 | -1.23 | 1.18 | 2.89E-03 | SORBS1(dist=12057), ALDH18A1(dist=32452) | intergenic |
| 10 | 49947642 | C | T | rs17836423 | 3.97E-05 | 0.041 | 0.023 | 1.85 | 1.34 | -2.54 | 5.11E-01 | 0.036 | 0.036 | 1.01 | 0.76 | -1.33 | 1.58 | 2.90E-03 | WDFY4 | intronic |
| 6 | 32457038 | T | C | rs77585607 | 7.34E-06 | 0.130 | 0.162 | 0.77 | 0.66 | -0.9 | 8.98E-01 | 0.145 | 0.149 | 0.97 | 0.83 | -1.12 | 0.81 | 2.90E-03 | HLA-DRA(dist=44212), HLA-DRB5(dist=28116) | intergenic |
| 5 | 176148118 | G | T | rs79679848 | 2.90E-05 | 0.068 | 0.044 | 1.57 | 1.24 | -1.99 | 9.83E-01 | 0.045 | 0.045 | 1.00 | 0.78 | -1.29 | 1.34 | 2.91E-03 | TSPAN17(dist=62059), LINC01574(dist=22088) | intergenic |
| 12 | 5079155 | A | C | rs77941559 | 1.56E-05 | 0.054 | 0.028 | 2.03 | 1.53 | -2.7 | 9.02E-01 | 0.058 | 0.062 | 0.93 | 0.74 | -1.16 | 1.35 | 2.92E-03 | KCNA1(dist=51733), KCNA5(dist=73930) | intergenic |
| 1 | 198638542 | G | C | rs76317261 | 6.22E-05 | 0.041 | 0.024 | 1.70 | 1.25 | -2.33 | 7.28E-01 | 0.033 | 0.030 | 1.11 | 0.83 | -1.49 | 1.42 | 2.95E-03 | PTPRC | intronic |
| 18 | 3170259 | A | G | rs6506080 | 4.38E-05 | 0.419 | 0.365 | 0.80 | 0.71 | -0.89 | 8.53E-01 | 0.399 | 0.394 | 0.98 | 0.88 | -1.09 | 0.88 | 2.96E-03 | MYOM1 | intronic |
| 5 | 37989879 | T | C | rs7726340 | 8.81E-01 | 0.376 | 0.374 | 1.01 | 0.9 | -1.13 | 9.24E-06 | 0.334 | 0.387 | 0.80 | 0.71 | -0.89 | 0.88 | 2.97E-03 | GDNF-AS1(dist=113979), EGFLAM(dist=268632) | intergenic |
| 11 | 36923511 | A | G | rs113718317 | 7.42E-01 | 0.055 | 0.057 | 0.97 | 0.76 | -1.23 | 6.06E-05 | 0.069 | 0.045 | 1.58 | 1.27 | -1.96 | 1.32 | 2.97E-03 | C11orf74(dist=242670), LOC103312105(dist=1716303) | intergenic |
| 12 | 12254476 | A | G | rs4763781 | 7.22E-01 | 0.303 | 0.290 | 0.94 | 0.83 | -1.06 | 2.63E-05 | 0.258 | 0.317 | 1.34 | 1.19 | -1.51 | 1.15 | 2.97E-03 | BCL2L14(dist=1849), MIR1244-4(dist=10410) | intergenic |
| 5 | 13916739 | C | T | rs1445821 | 8.71E-01 | 0.472 | 0.468 | 0.98 | 0.88 | -1.1 | 4.05E-05 | 0.516 | 0.467 | 0.82 | 0.74 | -0.91 | 0.89 | 2.98E-03 | DNAH5 | intronic |
| 14 | 82250104 | G | A | rs112025783 | 4.04E-05 | 0.106 | 0.150 | 0.67 | 0.57 | -0.79 | 8.11E-01 | 0.123 | 0.119 | 1.04 | 0.88 | -1.21 | 0.83 | 2.98E-03 | LINC01467(dist=160699), NONE(dist=NONE) | intergenic |
| 5 | 13917017 | A | G | rs11744581 | 8.71E-01 | 0.472 | 0.468 | 0.98 | 0.88 | -1.1 | 4.07E-05 | 0.516 | 0.467 | 0.82 | 0.74 | -0.91 | 0.89 | 2.99E-03 | DNAH5 | intronic |
| 7 | 157986458 | T | C | rs1806612;rs386720284 | 8.82E-01 | 0.311 | 0.301 | 0.95 | 0.84 | -1.07 | 1.86E-05 | 0.304 | 0.359 | 1.28 | 1.15 | -1.43 | 1.15 | 2.99E-03 | PTPRN2 | intronic |
| 8 | 32578999 | A | G | rs2975504 | 7.80E-01 | 0.040 | 0.037 | 0.93 | 0.7 | -1.23 | 4.31E-05 | 0.054 | 0.035 | 0.63 | 0.49 | -0.8 | 0.72 | 3.01E-03 | NRG1 | intronic |
| 2 | 57674150 | T | A | rs2007699 | 7.41E-01 | 0.032 | 0.028 | 1.14 | 0.83 | -1.57 | 2.71E-05 | 0.040 | 0.025 | 1.59 | 1.2 | -2.11 | 1.46 | 3.01E-03 | CCDC85A(dist=1060841), VRK2(dist=460636) | intergenic |
| 1 | 158512923 | T | C | rs1342944 | 9.10E-06 | 0.517 | 0.451 | 0.77 | 0.69 | -0.86 | 9.38E-01 | 0.471 | 0.474 | 1.01 | 0.91 | -1.12 | 0.89 | 3.03E-03 | OR10R2(dist=62248), OR6Y1(dist=3995) | intergenic |
| 18 | 6557401 | G | A | rs78408598 | 7.63E-01 | 0.146 | 0.150 | 0.97 | 0.83 | -1.13 | 6.10E-05 | 0.183 | 0.144 | 1.33 | 1.16 | -1.53 | 1.21 | 3.03E-03 | LINC01387 | ncRNA_intronic |
| 21 | 25490017 | C | T | rs1632510 | 9.11E-01 | 0.044 | 0.044 | 0.98 | 0.75 | -1.28 | 7.23E-06 | 0.053 | 0.032 | 1.68 | 1.31 | -2.15 | 1.39 | 3.04E-03 | D21S2088E(dist=732861), LOC101927869(dist=186846) | intergenic |
| 5 | 86352289 | T | C | rs7704274 | 8.59E-01 | 0.198 | 0.208 | 0.94 | 0.82 | -1.08 | 2.93E-05 | 0.165 | 0.199 | 0.80 | 0.69 | -0.92 | 0.86 | 3.06E-03 | LOC100505878(dist=306700), MIR4280(dist=58407) | intergenic |
| 1 | 197704717 | C | T | rs17641524 | 9.65E-01 | 0.049 | 0.042 | 1.18 | 0.91 | -1.53 | 6.17E-05 | 0.075 | 0.059 | 1.29 | 1.05 | -1.58 | 1.33 | 3.08E-03 | DENND1B | exonic |
| 15 | 87375771 | T | C | rs2123263 | 5.80E-05 | 0.376 | 0.336 | 0.84 | 0.75 | -0.94 | 8.83E-01 | 0.346 | 0.333 | 0.94 | 0.85 | -1.05 | 0.88 | 3.08E-03 | AGBL1 | intronic |
| 16 | 85082684 | C | T | rs16975153 | 9.88E-01 | 0.397 | 0.385 | 0.95 | 0.85 | -1.06 | 3.22E-05 | 0.356 | 0.418 | 1.30 | 1.17 | -1.45 | 1.13 | 3.09E-03 | KIAA0513 | intronic |
| 12 | 5079248 | C | T | rs78561728 | 2.34E-05 | 0.065 | 0.037 | 1.82 | 1.41 | -2.35 | 9.02E-01 | 0.058 | 0.062 | 0.93 | 0.74 | -1.16 | 1.35 | 3.10E-03 | KCNA1(dist=51826), KCNA5(dist=73837) | intergenic |
| 8 | 32578701 | C | T | rs2919374 | 7.87E-01 | 0.040 | 0.037 | 0.93 | 0.7 | -1.23 | 4.39E-05 | 0.054 | 0.035 | 0.63 | 0.49 | -0.8 | 0.72 | 3.10E-03 | NRG1 | intronic |
| 16 | 85082374 | A | C | rs1532638 | 9.82E-01 | 0.395 | 0.383 | 0.95 | 0.85 | -1.06 | 3.14E-05 | 0.355 | 0.418 | 1.30 | 1.17 | -1.45 | 1.13 | 3.11E-03 | KIAA0513 | intronic |
| 15 | 58656271 | A | C | rs28849098 | 7.34E-01 | 0.105 | 0.107 | 0.97 | 0.82 | -1.16 | 3.40E-05 | 0.104 | 0.073 | 1.48 | 1.24 | -1.77 | 1.24 | 3.14E-03 | AQP9(dist=178161), LIPC(dist=67904) | intergenic |
| 20 | 58308307 | A | G | rs16984986 | 7.41E-01 | 0.169 | 0.165 | 1.03 | 0.89 | -1.19 | 3.80E-05 | 0.178 | 0.146 | 1.27 | 1.1 | -1.46 | 1.21 | 3.15E-03 | PHACTR3 | intronic |
| 2 | 57691542 | T | G | rs148126334 | 7.20E-01 | 0.032 | 0.028 | 1.15 | 0.83 | -1.58 | 3.06E-05 | 0.039 | 0.026 | 1.57 | 1.18 | -2.08 | 1.47 | 3.16E-03 | CCDC85A(dist=1078233), VRK2(dist=443244) | intergenic |
| 8 | 62263344 | C | T | rs79326694 | 8.95E-01 | 0.048 | 0.051 | 0.94 | 0.73 | -1.21 | 9.74E-06 | 0.060 | 0.036 | 1.71 | 1.35 | -2.16 | 1.35 | 3.18E-03 | CLVS1 | intronic |
| 17 | 73801154 | T | C | rs9900933 | 8.62E-01 | 0.182 | 0.162 | 0.87 | 0.75 | -1 | 5.18E-05 | 0.229 | 0.212 | 0.90 | 0.8 | -1.02 | 0.84 | 3.18E-03 | UNK | intronic |
| 7 | 79000456 | C | T | rs10237230 | 9.81E-01 | 0.112 | 0.115 | 0.97 | 0.82 | -1.16 | 6.25E-06 | 0.135 | 0.099 | 1.42 | 1.21 | -1.66 | 1.22 | 3.18E-03 | MAGI2 | intronic |
| 8 | 62264007 | G | A | rs79134451 | 8.95E-01 | 0.048 | 0.051 | 0.94 | 0.73 | -1.21 | 9.81E-06 | 0.060 | 0.036 | 1.71 | 1.35 | -2.16 | 1.35 | 3.20E-03 | CLVS1 | intronic |
| 16 | 85090307 | G | A | rs9939536 | 9.58E-01 | 0.396 | 0.384 | 0.95 | 0.85 | -1.06 | 3.12E-05 | 0.362 | 0.424 | 1.30 | 1.16 | -1.44 | 1.13 | 3.20E-03 | KIAA0513 | intronic |
| 15 | 58655129 | A | G | rs28457584 | 7.38E-01 | 0.105 | 0.107 | 0.97 | 0.82 | -1.16 | 3.43E-05 | 0.104 | 0.073 | 1.48 | 1.24 | -1 | | | | |

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|----|-----------|---|---|----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 4 | 99772678 | G | C | rs78283519 | 4.35E-05 | 0.192 | 0.158 | 1.27 | 1.1 | 1.47 | 9.99E-01 | 0.168 | 0.156 | 1.09 | 0.95 | -1.26 | 1.18 | 3.37E-03 | TSPAN5(dist=192866), EIF4E(dist=26929) | intergenic |
| 2 | 103048157 | G | A | rs56331791 | 9.71E-01 | 0.114 | 0.107 | 1.08 | 0.91 | -1.29 | 3.98E-05 | 0.095 | 0.136 | 0.67 | 0.56 | -0.79 | 0.83 | 3.38E-03 | IL18RAP | intronic |
| 1 | 158521034 | G | A | rs10489834 | 7.20E-06 | 0.435 | 0.369 | 0.76 | 0.68 | -0.85 | 8.55E-01 | 0.395 | 0.403 | 1.03 | 0.93 | -1.15 | 0.88 | 3.38E-03 | OR6Y1(dist=3139), OR6P1(dist=11407) | intergenic |
| 16 | 85084016 | C | T | rs8063262 | 9.84E-01 | 0.407 | 0.395 | 0.95 | 0.85 | -1.06 | 3.67E-05 | 0.366 | 0.427 | 1.29 | 1.16 | -1.44 | 1.13 | 3.38E-03 | KIAA0513 | intronic |
| 6 | 29403272 | C | T | rs6908560 | 5.10E-01 | 0.066 | 0.071 | 0.93 | 0.75 | -1.16 | 2.26E-06 | 0.102 | 0.066 | 1.61 | 1.34 | -1.93 | 1.26 | 3.39E-03 | OR11A1(dist=7763), OR10C1(dist=4444) | intergenic |
| 2 | 60122310 | C | T | rs10865314 | 9.89E-01 | 0.308 | 0.302 | 0.98 | 0.87 | -1.1 | 2.48E-05 | 0.260 | 0.318 | 1.32 | 1.18 | -1.49 | 1.14 | 3.41E-03 | LOC101927285(dist=615775), MIR4432(dist=492187) | intergenic |
| 5 | 169154555 | A | T | rs75003416 | 9.17E-01 | 0.042 | 0.039 | 1.08 | 0.82 | -1.43 | 3.42E-05 | 0.025 | 0.048 | 0.50 | 0.36 | -0.69 | 0.73 | 3.41E-03 | DOCK2 | intronic |
| 17 | 33101927 | G | A | rs79691473 | 5.23E-05 | 0.053 | 0.084 | 0.61 | 0.49 | -0.77 | 9.73E-01 | 0.061 | 0.059 | 1.04 | 0.83 | -1.29 | 0.79 | 3.41E-03 | TMEM132E(dist=135585), CCT6B(dist=152951) | intergenic |
| 2 | 140219123 | G | A | rs34033127 | 9.64E-01 | 0.490 | 0.483 | 0.97 | 0.87 | -1.08 | 2.28E-05 | 0.530 | 0.469 | 1.28 | 1.15 | -1.42 | 1.13 | 3.42E-03 | YY1P2(dist=562379), LRP1B(dist=769873) | intergenic |
| 17 | 33096833 | C | G | rs16970372 | 5.41E-05 | 0.053 | 0.084 | 0.61 | 0.49 | -0.77 | 9.82E-01 | 0.061 | 0.059 | 1.03 | 0.83 | -1.29 | 0.79 | 3.42E-03 | TMEM132E(dist=130491), CCT6B(dist=158045) | intergenic |
| 5 | 2920958 | C | G | rs13176860 | 7.92E-01 | 0.388 | 0.395 | 0.97 | 0.87 | -1.09 | 6.31E-05 | 0.360 | 0.405 | 0.82 | 0.74 | -0.92 | 0.88 | 3.42E-03 | C5orf38(dist=165447), LINC01377(dist=256991) | intergenic |
| 16 | 85086236 | C | T | rs9936850 | 1.00E+00 | 0.396 | 0.384 | 0.95 | 0.85 | -1.06 | 4.29E-05 | 0.357 | 0.418 | 1.29 | 1.16 | -1.44 | 1.13 | 3.42E-03 | KIAA0513 | intronic |
| 8 | 5386982 | G | A | rs28580814 | 1.31E-05 | 0.023 | 0.047 | 0.46 | 0.33 | -0.64 | 6.91E-01 | 0.033 | 0.029 | 1.12 | 0.83 | -1.5 | 0.71 | 3.42E-03 | CSMD1(dist=534654), LOC100287015(dist=874095) | intergenic |
| 3 | 191945739 | T | C | rs76213903 | 7.36E-01 | 0.026 | 0.028 | 0.93 | 0.66 | -1.31 | 9.93E-07 | 0.038 | 0.020 | 1.93 | 1.44 | -2.6 | 1.48 | 3.43E-03 | FGF12 | intronic |
| 7 | 19209526 | G | T | rs12666830 | 9.66E-01 | 0.083 | 0.083 | 1.00 | 0.82 | -1.22 | 2.68E-05 | 0.116 | 0.084 | 1.43 | 1.21 | -1.69 | 1.25 | 3.43E-03 | FERD3L(dist=24482), TWISTNB(dist=525559) | intergenic |
| 18 | 31171190 | C | T | rs7236817 | 5.43E-05 | 0.422 | 0.367 | 0.79 | 0.71 | -0.89 | 8.64E-01 | 0.396 | 0.391 | 0.98 | 0.88 | -1.09 | 0.89 | 3.45E-03 | MYOM1 | intronic |
| 7 | 16050528 | C | T | rs76577428 | 3.04E-05 | 0.018 | 0.030 | 0.60 | 0.41 | -0.88 | 8.20E-01 | 0.032 | 0.036 | 0.88 | 0.65 | -1.18 | 0.68 | 3.45E-03 | MEOX2-AS1(dist=314011), ISPD(dist=76624) | intergenic |
| 13 | 27719526 | C | T | rs995424 | 3.70E-05 | 0.525 | 0.460 | 1.30 | 1.16 | -1.45 | 8.71E-01 | 0.494 | 0.494 | 1.00 | 0.9 | -1.11 | 1.12 | 3.51E-03 | USP12-AS1 | ncRNA_intronic |
| 3 | 104478542 | C | T | rs80341070 | 6.45E-05 | 0.115 | 0.085 | 1.40 | 1.17 | -1.68 | 9.68E-01 | 0.085 | 0.084 | 1.01 | 0.84 | -1.22 | 1.24 | 3.52E-03 | MIR548A3(dist=532437), ALCAM(dist=607015) | intergenic |
| 2 | 18477823 | G | A | rs193057233 | 8.46E-01 | 0.189 | 0.192 | 0.98 | 0.86 | -1.13 | 3.49E-05 | 0.211 | 0.171 | 1.29 | 1.13 | -1.47 | 1.20 | 3.53E-03 | KCNK33(dist=363598), RDH14(dist=258166) | intergenic |
| 17 | 13575708 | T | C | rs9892382 | 7.61E-01 | 0.473 | 0.470 | 1.01 | 0.9 | -1.13 | 5.63E-05 | 0.485 | 0.441 | 1.19 | 1.08 | -1.33 | 1.13 | 3.54E-03 | HS3ST3A1(dist=70449), CDRT15P1(dist=352107) | intergenic |
| 16 | 85085955 | G | A | rs67712391;rs9934770 | 9.99E-01 | 0.396 | 0.384 | 0.95 | 0.85 | -1.06 | 4.49E-05 | 0.357 | 0.418 | 1.29 | 1.16 | -1.44 | 1.13 | 3.54E-03 | KIAA0513 | intronic |
| 8 | 62282228 | G | A | rs75322877 | 8.89E-01 | 0.048 | 0.051 | 0.94 | 0.73 | -1.21 | 1.45E-05 | 0.059 | 0.036 | 1.71 | 1.35 | -2.16 | 1.34 | 3.55E-03 | CLVS1 | intronic |
| 6 | 29408153 | C | T | rs17177639 | 4.47E-01 | 0.065 | 0.070 | 0.92 | 0.74 | -1.15 | 1.99E-06 | 0.101 | 0.065 | 1.62 | 1.35 | -1.94 | 1.26 | 3.55E-03 | OR10C1 | exonic |
| 8 | 66474197 | A | G | rs6472207 | 7.03E-01 | 0.182 | 0.184 | 1.01 | 0.88 | -1.17 | 4.49E-06 | 0.220 | 0.180 | 0.78 | 0.68 | -0.88 | 0.86 | 3.57E-03 | LINC01299 | ncRNA_intronic |
| 15 | 75234610 | T | C | rs11072518 | 5.29E-05 | 0.424 | 0.480 | 1.26 | 1.12 | -1.4 | 9.54E-01 | 0.452 | 0.448 | 0.98 | 0.88 | -1.09 | 1.12 | 3.58E-03 | COX5A(dist=4115), RPP25(dist=12833) | intergenic |
| 7 | 157993749 | G | T | rs59787925 | 7.42E-01 | 0.365 | 0.356 | 0.96 | 0.86 | -1.08 | 5.61E-05 | 0.359 | 0.409 | 1.24 | 1.11 | -1.38 | 1.15 | 3.59E-03 | PTPRN2 | intronic |
| 3 | 191963699 | T | C | rs112723257 | 7.22E-01 | 0.026 | 0.028 | 0.93 | 0.66 | -1.3 | 9.78E-07 | 0.038 | 0.020 | 1.94 | 1.44 | -2.61 | 1.48 | 3.59E-03 | FGF12-AS1 | ncRNA_intronic |
| 17 | 33083349 | A | G | rs16970352 | 5.89E-05 | 0.055 | 0.085 | 0.63 | 0.5 | -0.78 | 9.95E-01 | 0.064 | 0.062 | 1.04 | 0.84 | -1.28 | 0.79 | 3.60E-03 | TMEM132E(dist=117007), CCT6B(dist=171529) | intergenic |
| 21 | 46581798 | T | C | rs394608 | 4.03E-05 | 0.517 | 0.459 | 1.26 | 1.13 | -1.41 | 8.64E-01 | 0.500 | 0.500 | 1.00 | 0.9 | -1.11 | 1.13 | 3.63E-03 | ADARB1 | intronic |
| 3 | 124247149 | G | A | rs332414 | 7.47E-01 | 0.102 | 0.094 | 0.92 | 0.77 | -1.11 | 1.27E-05 | 0.134 | 0.107 | 0.78 | 0.66 | -0.91 | 0.82 | 3.65E-03 | KALRN | intronic |
| 2 | 80298707 | G | A | rs14844465 | 9.18E-01 | 0.085 | 0.080 | 0.93 | 0.77 | -1.14 | 5.90E-05 | 0.093 | 0.070 | 0.73 | 0.61 | -0.88 | 0.78 | 3.66E-03 | CTNNA2 | intronic |
| 4 | 189435070 | G | A | rs10012220 | 1.62E-05 | 0.081 | 0.055 | 1.51 | 1.21 | -1.87 | 6.89E-01 | 0.055 | 0.053 | 1.03 | 0.82 | -1.3 | 1.29 | 3.69E-03 | LINC01060 | ncRNA_intronic |
| 6 | 29407955 | C | T | rs17184009 | 4.42E-01 | 0.065 | 0.070 | 0.92 | 0.74 | -1.15 | 2.04E-06 | 0.101 | 0.065 | 1.62 | 1.35 | -1.94 | 1.26 | 3.70E-03 | OR10C1 | exonic |
| 14 | 77147676 | T | C | rs12590782 | 9.49E-01 | 0.133 | 0.132 | 1.01 | 0.86 | -1.18 | 3.51E-05 | 0.150 | 0.118 | 1.32 | 1.13 | -1.53 | 1.19 | 3.70E-03 | ESRRB(dist=179496), VASH1(dist=80559) | intergenic |
| 12 | 1625663 | T | C | rs12817716 | 6.29E-01 | 0.062 | 0.054 | 0.87 | 0.69 | -1.09 | 4.90E-06 | 0.038 | 0.069 | 1.91 | 1.47 | -2.47 | 1.30 | 3.70E-03 | LINC00942(dist=12073), FBXL14(dist=49496) | intergenic |
| 5 | 86346509 | G | A | rs78855788 | 8.98E-01 | 0.199 | 0.208 | 0.95 | 0.83 | -1.09 | 3.52E-05 | 0.170 | 0.203 | 0.80 | 0.7 | -0.92 | 0.86 | 3.71E-03 | LOC100505878(dist=300920), MIR4280(dist=64187) | intergenic |
| 5 | 68303485 | C | T | rs5022687 | 7.74E-01 | 0.489 | 0.480 | 1.04 | 0.93 | -1.16 | 5.15E-05 | 0.529 | 0.465 | 0.77 | 0.7 | -0.86 | 0.89 | 3.75E-03 | LOC101928885 | ncRNA_intronic |
| 5 | 68303481 | C | T | rs5022688 | 7.74E-01 | 0.489 | 0.480 | 1.04 | 0.93 | -1.16 | 5.14E-05 | 0.529 | 0.465 | 0.77 | 0.7 | -0.86 | 0.89 | 3.75E-03 | LOC101928885 | ncRNA_intronic |
| 3 | 64013417 | G | A | rs35839 | 8.05E-01 | 0.249 | 0.257 | 0.96 | 0.84 | -1.09 | 1.58E-05 | 0.278 | 0.228 | 1.30 | 1.15 | -1.46 | 1.14 | 3.76E-03 | PSMD6(dist=3731), PRICKLE2-AS1(dist=40223) | intergenic |
| 3 | 191960452 | A | T | rs10470541 | 9.61E-01 | 0.466 | 0.471 | 0.98 | 0.88 | -1.09 | 4.43E-05 | 0.493 | 0.433 | 1.27 | 1.15 | -1.41 | 1.12 | 3.76E-03 | FGF12-AS1 | ncRNA_intronic |
| 16 | 12021332 | G | A | rs256390 | 2.29E-05 | 0.400 | 0.329 | 1.36 | 1.21 | -1.52 | 9.17E-01 | 0.393 | 0.410 | 0.93 | 0.84 | -1.04 | 1.15 | 3.77E-03 | GSPT1(dist=10813), TNFRSF17(dist=37632) | intergenic |
| 10 | 50130702 | G | A | rs10776655 | 1.01E-05 | 0.247 | 0.183 | 1.46 | 1.28 | -1.67 | 9.50E-01 | 0.246 | 0.255 | 0.95 | 0.85 | -1.08 | 1.17 | 3.77E-03 | WDFY4 | intronic |
| 14 | 91122214 | A | T | rs745468 | 9.81E-01 | 0.265 | 0.264 | 1.00 | 0.88 | -1.13 | 2.76E-05 | 0.311 | 0.266 | 0.80 | 0.72 | -0.9 | 0.86 | 3.77E-03 | TTC7B | intronic |
| 10 | 50130781 | C | T | rs10776656 | 1.01E-05 | 0.247 | 0.183 | 1.46 | 1.28 | -1.67 | 9.50E-01 | 0.246 | 0.255 | 0.95 | 0.85 | -1.08 | 1.17 | 3.77E-03 | WDFY4 | intronic |
| 21 | 46582100 | C | T | rs394872 | 4.26E-05 | 0.517 | 0.458 | 1.26 | 1.13 | -1.41 | 8.68E-01 | 0.500 | 0.499 | 1.00 | 0.9 | -1.11 | 1.13 | 3.78E-03 | ADARB1 | intronic |
| 11 | 7810940 | A | T | rs11500778 | 6.41E-01 | 0.236 | 0.246 | 0.95 | 0.83 | -1.08 | 3.57E-06 | 0.290 | 0.248 | 1.24 | 1.1 | -1.39 | 1.19 | 3.78E-03 | OVCH2(dist=82999), OR5P2(dist=6581) | intergenic |
| 9 | 80116661 | C | T | rs62571537 | 1.13E-05 | 0.049 | 0.026 | 1.93 | 1.44 | -2.58 | 7.76E-01 | 0.043 | 0.046 | 0.93 | 0.72 | -1.2 | 1.41 | 3.80E-03 | GNA14-AS1 | ncRNA_intronic |
| 4 | 141825414 | C | T | rs62345005 | 6.13E-06 | 0.078 | 0.112 | 0.67 | 0.55 | -0.81 | 6.79E-01 | 0.100 | 0.098 | 1.02 | 0.85 | -1.21 | 0.81 | 3.80E-03 | RNF150 | intronic |
| 3 | 143027397 | G | A | rs113194875 | 8.41E-01 | 0.034 | 0.036 | 0.95 | 0.7 | -1.27 | 1.07E-05 | 0.048 | 0.029 | 1.68 | 1.29 | -2.17 | 1.41 | 3.83E-03 | SLC9A9 | intronic |
| 5 | 68303343 | C | T | rs6874327 | 7.80E-01 | 0.490 | 0.480 | 1.04 | 0.93 | -1.16 | 5.22E-05 | 0.529 | 0.465 | 0.77 | 0.7 | -0.86 | 0.89 | 3.84E-03 | LOC101928885 | ncRNA_intronic |
| 10 | 50131397 | G | C | rs10745288 | 1.06E-05 | 0.247 | 0.183 | 1.46 | 1.28 | -1.67 | 9.50E-01 | 0.246 | 0.255 | 0.95 | 0.85 | -1.08 | 1.17 | 3.85E-03 | WDFY4 | intronic |
| 1 | 206669465 | C | T | rs3748022 | 6.26E-05 | 0.041 | 0.054 | 0.76 | 0.58 | -0.98 | 8.04E-01 | 0.054 | 0.063 | 0.86 | 0.68 | -1.07 | 0.74 | 3.87E-03 | IKBKE | exonic |
| 6 | 29415005 | A | G | rs114147387 | 4.79E-01 | 0.067 | 0.071 | 0.93 | 0.75 | -1.15 | 2.25E-06 | 0.101 | 0.065 | 1.61 | 1.34 | -1.93 | 1.25 | 3.89E-03 | OR10C1(dist=6251), OR2H1(dist=11225) | intergenic |
| 5 | 37991582 | G | C | rs10941375 | 8.46E-01 | 0.377 | 0.374 | 1.02 | 0.91 | -1.14 | 1.20E-05 | 0.333 | 0.384 | 0.80 | 0.72 | -0.89 | 0.89 | 3.89E-03 | GDNF-AS1(dist=115682), EGFLAM(dist=266929) | intergenic |
| 16 | 85084020 | A | G | rs8063125 | 9.95E-01 | 0.400 | 0.387 | 0.95 | 0.85 | -1.06 | 5.00E-05 | 0.360 | 0.420 | 1.29 | 1.16 | -1.43 | 1.13 | 3.90E-03 | KIAA0513 | intronic |
| 8 | 3119845 | T | C | rs7821543 | 8.15E-01 | 0.365 | 0.372 | 1.03 | 0.92 | -1.16 | 1.03E-05 | 0.387 | 0.326 | 0.77 | 0.69 | -0.85 | 0.88 | 3.92E-03 | CSMD1 | intronic |
| 11 | 104957726 | A | C | rs12273474 | 4. | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 10 | 97358047 | G | A | rs12259971 | 3.23E-05 | 0.206 | 0.171 | 1.26 | 1.09 | 1.44 | 7.59E-01 | 0.172 | 0.165 | 1.05 | 0.92 | -1.21 | 1.18 | 3.98E-03 | SORBS1(dist=36870), ALDH18A1(dist=7639) | intergenic |
| 5 | 118740848 | C | A | rs17386541 | 2.64E-05 | 0.238 | 0.190 | 1.33 | 1.17 | -1.52 | 9.26E-01 | 0.222 | 0.223 | 0.99 | 0.88 | -1.13 | 1.16 | 4.02E-03 | TNFAIP8(dist=10549), HSD17B4(dist=47290) | intergenic |
| 12 | 48211782 | A | T | rs7958910 | 4.77E-05 | 0.327 | 0.279 | 1.26 | 1.12 | -1.42 | 9.76E-01 | 0.309 | 0.311 | 0.99 | 0.88 | -1.11 | 1.16 | 4.03E-03 | HDAC7 | intronic |
| 6 | 29415833 | G | A | rs6907565 | 4.96E-01 | 0.067 | 0.072 | 0.93 | 0.75 | -1.15 | 2.81E-06 | 0.101 | 0.065 | 1.61 | 1.34 | -1.93 | 1.25 | 4.05E-03 | OR10C1(dist=7079), OR2H1(dist=10397) | intergenic |
| 4 | 14141243 | C | T | rs16889750 | 4.33E-05 | 0.053 | 0.081 | 0.64 | 0.51 | -0.8 | 9.83E-01 | 0.079 | 0.080 | 0.99 | 0.81 | -1.2 | 0.80 | 4.07E-03 | LINC01085 | ncRNA_exonic |
| 7 | 47564745 | C | T | rs334521 | 7.25E-01 | 0.369 | 0.359 | 1.04 | 0.93 | -1.17 | 4.59E-05 | 0.367 | 0.421 | 0.80 | 0.72 | -0.89 | 0.87 | 4.11E-03 | TNS3 | intronic |
| 16 | 85083157 | C | T | rs28538669 | 9.76E-01 | 0.404 | 0.392 | 0.95 | 0.85 | -1.06 | 5.13E-05 | 0.365 | 0.425 | 1.29 | 1.15 | -1.43 | 1.13 | 4.14E-03 | KIAA0513 | intronic |
| 16 | 85083154 | T | C | rs28436679 | 9.76E-01 | 0.404 | 0.392 | 0.95 | 0.85 | -1.06 | 5.13E-05 | 0.365 | 0.425 | 1.29 | 1.15 | -1.43 | 1.13 | 4.14E-03 | KIAA0513 | intronic |
| 16 | 84555072 | G | A | rs114209812 | 9.93E-01 | 0.066 | 0.068 | 0.96 | 0.77 | -1.19 | 1.50E-05 | 0.079 | 0.054 | 1.51 | 1.24 | -1.85 | 1.30 | 4.17E-03 | TLCD1(dist=16784), COTL1(dist=44132) | intergenic |
| 2 | 197035827 | C | T | rs1401723 | 9.37E-01 | 0.180 | 0.161 | 1.15 | 0.99 | -1.33 | 5.33E-05 | 0.171 | 0.228 | 0.70 | 0.61 | -0.8 | 0.85 | 4.17E-03 | STK17B | intronic |
| 16 | 85083398 | G | T | rs11149707 | 9.98E-01 | 0.405 | 0.393 | 0.95 | 0.85 | -1.07 | 5.75E-05 | 0.366 | 0.426 | 1.28 | 1.15 | -1.43 | 1.13 | 4.17E-03 | KIAA0513 | intronic |
| 16 | 85082710 | A | G | rs16975155 | 9.87E-01 | 0.405 | 0.393 | 0.95 | 0.85 | -1.06 | 5.45E-05 | 0.366 | 0.426 | 1.28 | 1.15 | -1.43 | 1.13 | 4.18E-03 | KIAA0513 | intronic |
| 16 | 85082749 | G | A | rs16975157 | 9.86E-01 | 0.405 | 0.393 | 0.95 | 0.85 | -1.06 | 5.45E-05 | 0.366 | 0.426 | 1.28 | 1.15 | -1.43 | 1.13 | 4.19E-03 | KIAA0513 | intronic |
| 16 | 85082960 | A | G | rs66867926 | 9.86E-01 | 0.405 | 0.393 | 0.95 | 0.85 | -1.06 | 5.50E-05 | 0.366 | 0.425 | 1.28 | 1.15 | -1.43 | 1.13 | 4.20E-03 | KIAA0513 | intronic |
| 16 | 85082890 | A | G | rs35237475 | 9.86E-01 | 0.405 | 0.393 | 0.95 | 0.85 | -1.06 | 5.48E-05 | 0.366 | 0.425 | 1.28 | 1.15 | -1.43 | 1.13 | 4.20E-03 | KIAA0513 | intronic |
| 16 | 85082972 | G | A | rs62048459 | 9.86E-01 | 0.405 | 0.393 | 0.95 | 0.85 | -1.06 | 5.50E-05 | 0.366 | 0.425 | 1.28 | 1.15 | -1.43 | 1.13 | 4.20E-03 | KIAA0513 | intronic |
| 5 | 86349055 | A | G | rs75566272 | 9.25E-01 | 0.199 | 0.208 | 0.95 | 0.83 | -1.09 | 3.91E-05 | 0.170 | 0.203 | 0.80 | 0.7 | -0.92 | 0.86 | 4.23E-03 | LOC100505878(dist=303466), MIR4280(dist=61641) | intergenic |
| 16 | 85082912 | C | T | rs16975159 | 9.82E-01 | 0.405 | 0.393 | 0.95 | 0.85 | -1.06 | 5.49E-05 | 0.366 | 0.426 | 1.28 | 1.15 | -1.43 | 1.13 | 4.25E-03 | KIAA0513 | intronic |
| 11 | 7835743 | G | A | rs111479812 | 7.03E-01 | 0.295 | 0.271 | 1.12 | 1 | -1.27 | 1.08E-05 | 0.254 | 0.323 | 0.71 | 0.63 | -0.8 | 0.88 | 4.26E-03 | OR5P2(dist=17254), OR5P3(dist=10841) | intergenic |
| 3 | 191961313 | C | T | rs112140525 | 7.82E-01 | 0.027 | 0.029 | 0.94 | 0.67 | -1.31 | 2.68E-06 | 0.039 | 0.021 | 1.87 | 1.4 | -2.51 | 1.46 | 4.26E-03 | FGF12-AS1 | ncRNA_intronic |
| 5 | 37982876 | G | C | rs386687316;rs6896489 | 9.67E-01 | 0.439 | 0.442 | 0.99 | 0.88 | -1.1 | 3.49E-05 | 0.385 | 0.429 | 0.84 | 0.75 | -0.93 | 0.89 | 4.27E-03 | GDNF-AS1(dist=106976), EGFLAM(dist=275635) | intergenic |
| 19 | 36824200 | A | G | rs77351039 | 9.25E-01 | 0.082 | 0.088 | 0.93 | 0.76 | -1.13 | 1.89E-05 | 0.104 | 0.073 | 1.48 | 1.24 | -1.76 | 1.25 | 4.28E-03 | LINC00665(dist=1580), ZFP14(dist=1155) | intergenic |
| 5 | 37978292 | A | G | rs1963641 | 9.38E-01 | 0.440 | 0.439 | 1.00 | 0.9 | -1.12 | 2.25E-05 | 0.395 | 0.443 | 0.82 | 0.74 | -0.91 | 0.89 | 4.28E-03 | GDNF-AS1(dist=102392), EGFLAM(dist=280219) | intergenic |
| 16 | 85083132 | C | T | rs28449531 | 9.76E-01 | 0.404 | 0.392 | 0.95 | 0.85 | -1.06 | 5.47E-05 | 0.365 | 0.425 | 1.28 | 1.15 | -1.43 | 1.13 | 4.29E-03 | KIAA0513 | intronic |
| 13 | 33872289 | T | C | rs7998857 | 9.56E-01 | 0.214 | 0.221 | 1.04 | 0.91 | -1.19 | 5.08E-05 | 0.247 | 0.205 | 0.78 | 0.69 | -0.89 | 0.84 | 4.29E-03 | STARD13 | intronic |
| 16 | 85083125 | T | C | rs28459643 | 9.75E-01 | 0.404 | 0.392 | 0.95 | 0.85 | -1.06 | 5.47E-05 | 0.365 | 0.425 | 1.28 | 1.15 | -1.43 | 1.13 | 4.29E-03 | KIAA0513 | intronic |
| 5 | 68303071 | C | T | rs4976068 | 8.06E-01 | 0.490 | 0.480 | 1.04 | 0.93 | -1.16 | 5.55E-05 | 0.529 | 0.466 | 0.78 | 0.7 | -0.86 | 0.89 | 4.29E-03 | LOC101928885 | ncRNA_intronic |
| 5 | 86369216 | C | G | rs3773205 | 9.17E-01 | 0.198 | 0.207 | 0.95 | 0.83 | -1.09 | 3.93E-05 | 0.166 | 0.199 | 0.80 | 0.7 | -0.92 | 0.86 | 4.30E-03 | LOC100505878(dist=323627), MIR4280(dist=41480) | intergenic |
| 16 | 85083055 | A | T | rs28403503 | 9.69E-01 | 0.404 | 0.392 | 0.95 | 0.85 | -1.06 | 5.36E-05 | 0.365 | 0.425 | 1.28 | 1.15 | -1.43 | 1.13 | 4.31E-03 | KIAA0513 | intronic |
| 6 | 29328392 | C | T | rs2207698 | 3.70E-05 | 0.016 | 0.034 | 0.47 | 0.32 | -0.69 | 9.05E-01 | 0.029 | 0.028 | 1.04 | 0.76 | -1.42 | 0.68 | 4.31E-03 | OR5V1(dist=4338), OR12D3(dist=12808) | intergenic |
| 11 | 113973394 | C | T | rs73000959 | 1.66E-05 | 0.233 | 0.200 | 1.22 | 1.07 | -1.39 | 8.91E-01 | 0.208 | 0.202 | 1.03 | 0.91 | -1.17 | 1.17 | 4.32E-03 | ZBTB16 | intronic |
| 17 | 73835281 | C | T | rs12603812 | 9.06E-01 | 0.234 | 0.216 | 0.90 | 0.79 | -1.03 | 4.15E-05 | 0.276 | 0.252 | 0.88 | 0.79 | -0.99 | 0.86 | 4.32E-03 | UNC13D | intronic |
| 8 | 5385594 | G | C | rs28406137 | 2.04E-05 | 0.022 | 0.047 | 0.47 | 0.34 | -0.65 | 6.89E-01 | 0.032 | 0.029 | 1.12 | 0.83 | -1.51 | 0.72 | 4.33E-03 | CSMD1(dist=533266), LOC100287015(dist=875483) | intergenic |
| 5 | 37981862 | C | T | rs9292684 | 9.94E-01 | 0.446 | 0.446 | 1.00 | 0.9 | -1.12 | 3.05E-05 | 0.400 | 0.447 | 0.82 | 0.74 | -0.92 | 0.89 | 4.34E-03 | GDNF-AS1(dist=105962), EGFLAM(dist=276649) | intergenic |
| 9 | 44248033 | C | G | rs73443672 | 9.76E-01 | 0.084 | 0.087 | 0.97 | 0.8 | -1.18 | 2.97E-05 | 0.094 | 0.070 | 1.38 | 1.15 | -1.66 | 1.31 | 4.35E-03 | CNTNAP3B(dist=325560), LOC101927827(dist=136552) | intergenic |
| 5 | 117747565 | A | C | rs61484922 | 9.00E-01 | 0.089 | 0.096 | 0.92 | 0.76 | -1.11 | 7.56E-06 | 0.102 | 0.069 | 1.53 | 1.28 | -1.83 | 1.24 | 4.37E-03 | LOC101927280 | ncRNA_intronic |
| 15 | 101475243 | C | T | rs73482810 | 1.03E-05 | 0.157 | 0.211 | 0.69 | 0.6 | -0.8 | 6.60E-01 | 0.180 | 0.167 | 1.09 | 0.95 | -1.25 | 0.86 | 4.39E-03 | LRRK1 | intronic |
| 5 | 65446273 | G | T | rs12523007 | 5.45E-01 | 0.085 | 0.078 | 1.10 | 0.9 | -1.34 | 5.98E-06 | 0.063 | 0.097 | 0.63 | 0.51 | -0.77 | 0.81 | 4.39E-03 | SREK1 | intronic |
| 14 | 94370351 | A | T | rs4900204 | 8.73E-01 | 0.067 | 0.064 | 0.95 | 0.76 | -1.19 | 6.10E-05 | 0.086 | 0.064 | 0.73 | 0.6 | -0.89 | 0.78 | 4.40E-03 | FAM181A-AS1 | downstream |
| 1 | 21344145 | A | G | rs6697563 | 4.05E-05 | 0.360 | 0.310 | 1.25 | 1.11 | -1.4 | 9.03E-01 | 0.347 | 0.349 | 0.99 | 0.89 | -1.11 | 1.14 | 4.41E-03 | EIF4G3 | intronic |
| 1 | 158520414 | A | G | rs9804005 | 1.62E-05 | 0.429 | 0.363 | 0.76 | 0.68 | -0.85 | 8.51E-01 | 0.383 | 0.391 | 1.04 | 0.93 | -1.15 | 0.89 | 4.43E-03 | OR6Y1(dist=2519), OR6P1(dist=12027) | intergenic |
| 19 | 36831950 | C | G | rs75480801 | 9.13E-01 | 0.083 | 0.088 | 0.93 | 0.76 | -1.13 | 1.91E-05 | 0.104 | 0.073 | 1.48 | 1.24 | -1.76 | 1.24 | 4.44E-03 | ZFP14 | exonic |
| 16 | 85081477 | C | G | rs3803637 | 9.70E-01 | 0.410 | 0.398 | 0.95 | 0.85 | -1.07 | 5.67E-05 | 0.369 | 0.428 | 1.28 | 1.15 | -1.43 | 1.13 | 4.44E-03 | KIAA0513 | intronic |
| 8 | 49981091 | C | T | rs2137013 | 5.69E-05 | 0.324 | 0.367 | 0.83 | 0.74 | -0.93 | 9.59E-01 | 0.349 | 0.360 | 0.96 | 0.86 | -1.07 | 0.89 | 4.45E-03 | C8orf22 | intronic |
| 8 | 5384957 | A | C | rs28512288 | 2.21E-05 | 0.022 | 0.047 | 0.47 | 0.34 | -0.65 | 6.94E-01 | 0.032 | 0.029 | 1.12 | 0.83 | -1.51 | 0.72 | 4.46E-03 | CSMD1(dist=532629), LOC100287015(dist=876120) | intergenic |
| 5 | 68304658 | C | A | rs4563578 | 8.67E-01 | 0.503 | 0.491 | 1.05 | 0.94 | -1.17 | 4.09E-05 | 0.513 | 0.449 | 0.77 | 0.7 | -0.86 | 0.89 | 4.47E-03 | LOC101928885 | ncRNA_intronic |
| 1 | 61806984 | A | G | rs9436206 | 9.50E-01 | 0.056 | 0.053 | 1.06 | 0.83 | -1.34 | 3.75E-05 | 0.072 | 0.052 | 1.42 | 1.15 | -1.75 | 1.32 | 4.48E-03 | NFIA | intronic |
| 6 | 29413573 | G | T | rs114917638 | 4.72E-01 | 0.066 | 0.071 | 0.93 | 0.74 | -1.15 | 2.89E-06 | 0.101 | 0.065 | 1.60 | 1.34 | -1.92 | 1.25 | 4.48E-03 | OR10C1(dist=4819), OR2H1(dist=12657) | intergenic |
| 6 | 29412864 | A | G | rs142389383 | 4.73E-01 | 0.066 | 0.071 | 0.93 | 0.74 | -1.15 | 2.90E-06 | 0.101 | 0.065 | 1.60 | 1.34 | -1.92 | 1.25 | 4.49E-03 | OR10C1(dist=4110), OR2H1(dist=13366) | intergenic |
| 11 | 17417337 | C | T | rs8192691 | 6.93E-01 | 0.026 | 0.025 | 1.04 | 0.73 | -1.47 | 1.74E-05 | 0.047 | 0.033 | 1.45 | 1.12 | -1.88 | 1.48 | 4.52E-03 | ABCC8 | intronic |
| 2 | 60153321 | C | G | rs6751255 | 9.79E-01 | 0.311 | 0.308 | 0.99 | 0.88 | -1.11 | 4.50E-05 | 0.276 | 0.329 | 1.29 | 1.15 | -1.44 | 1.13 | 4.58E-03 | LOC101927285(dist=646786), MIR4432(dist=461176) | intergenic |
| 6 | 29411578 | C | T | rs16894915 | 4.74E-01 | 0.066 | 0.071 | 0.93 | 0.75 | -1.15 | 3.05E-06 | 0.101 | 0.065 | 1.60 | 1.34 | -1.92 | 1.25 | 4.58E-03 | OR10C1(dist=2824), OR2H1(dist=14652) | intergenic |
| 15 | 61034496 | T | G | rs7168905 | 8.28E-01 | 0.114 | 0.101 | 1.15 | 0.97 | -1.38 | 4.62E-05 | 0.147 | 0.130 | 1.16 | 1 | -1.34 | 1.21 | 4.59E-03 | RORA | intronic |
| 2 | 40465195 | T | A | rs1627626 | 2.02E-05 | 0.425 | 0.374 | 0.81 | 0.72 | -0.9 | 8.53E-01 | 0.402 | 0.402 | 1.00 | 0.9 | -1.11 | 0.88 | 4.60E-03 | SLC8A1-AS1 | ncRNA_intronic |
| 4 | 85392995 | G | A | rs12642612 | 9.41E-01 | 0.368 | 0.372 | 0.98 | 0.88 | -1.1 | 6.24E-05 | 0.402 | 0.348 | 1.26 | 1.13 | -1.4 | 1.12 | 4.65E-03 | LOC101928978(dist=172673), NKX6-1(dist=21441) | intergenic |
| 10 | 51519516 | A | G | rs2611486 | 3.34E-05 | 0.248 | 0.188 | 1.42 | 1.25 | -1.62 | 7.32E-01 | 0.226 | 0.231 | 0.97 | 0.86 | -1.1 | 1.16 | 4.66E-03 | TIMM23B | intronic |
| 15 | 77682375 | A | G | rs145302438 | 6.61E-01 | 0.018 | 0.021 | 0.88 | 0.59 | -1.31 | 2.60E-05 | 0.041 | 0.023 | 1.77 | 1.33 | -2.35 | 1.47 | 4.66E-03 | PEAK1 | intronic |
| 15 | 77694171 | C | T | | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 14 | 56248455 | G | A | rs4144657 | 8.97E-01 | 0.088 | 0.091 | 0.96 | 0.79 | -1.16 | 2.35E-05 | 0.067 | 0.090 | 0.73 | 0.59 | -0.89 | 0.79 | 4.72E-03 | LINC00520 | ncRNA_exonic |
| 10 | 51518688 | A | C | rs2843546 | 3.53E-05 | 0.249 | 0.189 | 1.42 | 1.25 | -1.62 | 7.29E-01 | 0.227 | 0.232 | 0.97 | 0.86 | -1.1 | 1.16 | 4.73E-03 | TIMM23B | intronic |
| 8 | 89298829 | A | C | rs57136992 | 8.19E-01 | 0.122 | 0.126 | 0.96 | 0.82 | -1.14 | 1.75E-05 | 0.091 | 0.120 | 0.73 | 0.61 | -0.87 | 0.84 | 4.73E-03 | MMP16 | intronic |
| 4 | 122565372 | C | T | rs13131447 | 6.78E-01 | 0.258 | 0.250 | 1.04 | 0.92 | -1.18 | 1.20E-05 | 0.293 | 0.275 | 0.76 | 0.67 | -0.86 | 0.87 | 4.73E-03 | QRFRP(dist=263191), ANXA5(dist=23780) | intergenic |
| 5 | 86369563 | C | T | rs55928768 | 9.23E-01 | 0.199 | 0.207 | 0.95 | 0.83 | -1.09 | 4.84E-05 | 0.171 | 0.203 | 0.81 | 0.7 | -0.93 | 0.86 | 4.77E-03 | LOC100505878(dist=323974), MIR4280(dist=41133) | intergenic |
| 8 | 89282661 | A | C | rs16880535 | 6.57E-01 | 0.120 | 0.124 | 0.96 | 0.81 | -1.13 | 2.25E-05 | 0.089 | 0.118 | 0.73 | 0.61 | -0.87 | 0.84 | 4.77E-03 | MMP16 | intronic |
| 2 | 180501037 | T | A | rs11901866 | 6.28E-05 | 0.081 | 0.045 | 1.86 | 1.48 | -2.33 | 8.97E-01 | 0.065 | 0.070 | 0.93 | 0.75 | -1.14 | 1.27 | 4.78E-03 | ZNF385B | intronic |
| 6 | 29411249 | G | T | rs115116585 | 4.57E-01 | 0.066 | 0.071 | 0.92 | 0.74 | -1.15 | 3.05E-06 | 0.101 | 0.065 | 1.61 | 1.34 | -1.93 | 1.25 | 4.80E-03 | OR10C1(dist=2495), OR2H1(dist=14981) | intergenic |
| 4 | 14158633 | A | G | rs17346022 | 3.55E-05 | 0.059 | 0.086 | 0.67 | 0.53 | -0.83 | 9.68E-01 | 0.087 | 0.088 | 0.98 | 0.82 | -1.18 | 0.81 | 4.80E-03 | LINC01085(dist=16957), LINC00504(dist=313457) | intergenic |
| 16 | 85083741 | A | G | rs12597543 | 8.31E-01 | 0.385 | 0.370 | 0.94 | 0.84 | -1.05 | 3.55E-05 | 0.351 | 0.412 | 1.30 | 1.17 | -1.45 | 1.13 | 4.81E-03 | KIAA0513 | intronic |
| 2 | 180511629 | T | C | rs6743733 | 2.57E-05 | 0.078 | 0.043 | 1.85 | 1.47 | -2.34 | 9.42E-01 | 0.071 | 0.076 | 0.93 | 0.76 | -1.14 | 1.28 | 4.83E-03 | ZNF385B | intronic |
| 11 | 7879794 | T | C | rs16933012 | 7.35E-01 | 0.188 | 0.189 | 0.99 | 0.86 | -1.14 | 5.32E-06 | 0.144 | 0.179 | 0.77 | 0.67 | -0.89 | 0.86 | 4.83E-03 | LOC283299 | ncRNA_intronic |
| 15 | 77670803 | C | T | rs116476587 | 6.46E-01 | 0.019 | 0.022 | 0.88 | 0.59 | -1.29 | 2.41E-05 | 0.041 | 0.023 | 1.78 | 1.34 | -2.36 | 1.47 | 4.84E-03 | PEAK1 | intronic |
| 15 | 77632140 | C | A | rs142228963 | 6.46E-01 | 0.019 | 0.022 | 0.88 | 0.59 | -1.29 | 2.41E-05 | 0.041 | 0.023 | 1.78 | 1.34 | -2.36 | 1.47 | 4.85E-03 | PEAK1 | intronic |
| 2 | 224781994 | A | G | rs73994436 | 4.59E-05 | 0.045 | 0.026 | 1.77 | 1.31 | -2.39 | 7.02E-01 | 0.029 | 0.029 | 1.00 | 0.73 | -1.36 | 1.43 | 4.85E-03 | WDFY1 | intronic |
| 15 | 77624517 | T | C | rs146224919 | 6.45E-01 | 0.019 | 0.022 | 0.88 | 0.59 | -1.29 | 2.41E-05 | 0.041 | 0.023 | 1.78 | 1.34 | -2.36 | 1.47 | 4.86E-03 | PEAK1 | intronic |
| 15 | 77613233 | T | C | rs139425312 | 6.45E-01 | 0.019 | 0.022 | 0.88 | 0.59 | -1.29 | 2.41E-05 | 0.041 | 0.023 | 1.78 | 1.34 | -2.36 | 1.47 | 4.86E-03 | PEAK1 | intronic |
| 21 | 25483596 | C | T | rs1783342 | 6.45E-01 | 0.040 | 0.043 | 0.93 | 0.71 | -1.22 | 3.35E-06 | 0.053 | 0.032 | 1.72 | 1.34 | -2.21 | 1.36 | 4.88E-03 | D21S2088E(dist=726440), LOC101927869(dist=193267) | intergenic |
| 8 | 89285456 | G | C | rs147849836 | 8.53E-01 | 0.120 | 0.124 | 0.96 | 0.81 | -1.14 | 2.29E-05 | 0.089 | 0.118 | 0.73 | 0.61 | -0.88 | 0.84 | 4.90E-03 | MMP16 | intronic |
| 21 | 25482931 | T | C | rs1783341 | 6.44E-01 | 0.040 | 0.043 | 0.93 | 0.71 | -1.22 | 3.34E-06 | 0.053 | 0.032 | 1.72 | 1.34 | -2.21 | 1.36 | 4.90E-03 | D21S2088E(dist=725775), LOC101927869(dist=193932) | intergenic |
| 21 | 25482893 | T | C | rs1783340 | 6.44E-01 | 0.040 | 0.043 | 0.93 | 0.71 | -1.22 | 3.34E-06 | 0.053 | 0.032 | 1.72 | 1.34 | -2.21 | 1.36 | 4.90E-03 | D21S2088E(dist=725737), LOC101927869(dist=193970) | intergenic |
| 2 | 60122951 | C | T | rs2042559 | 9.10E-01 | 0.307 | 0.300 | 0.97 | 0.86 | -1.09 | 3.40E-05 | 0.261 | 0.317 | 1.32 | 1.17 | -1.48 | 1.13 | 4.91E-03 | LOC101927285(dist=616416), MIR4432(dist=491546) | intergenic |
| 16 | 85083839 | G | C | rs8063208 | 8.93E-01 | 0.415 | 0.404 | 0.95 | 0.85 | -1.07 | 4.82E-05 | 0.371 | 0.431 | 1.28 | 1.15 | -1.43 | 1.13 | 4.91E-03 | KIAA0513 | intronic |
| 10 | 97354958 | T | C | rs7900149 | 1.85E-05 | 0.226 | 0.186 | 1.27 | 1.11 | -1.46 | 9.83E-01 | 0.184 | 0.178 | 1.04 | 0.91 | -1.19 | 1.16 | 4.92E-03 | SORBS1(dist=33781), ALDH18A1(dist=10728) | intergenic |
| 15 | 77716473 | G | C | rs114547308 | 6.57E-01 | 0.018 | 0.021 | 0.88 | 0.59 | -1.31 | 2.86E-05 | 0.041 | 0.023 | 1.77 | 1.33 | -2.35 | 1.47 | 4.93E-03 | HMG20A | intronic |
| 15 | 77707628 | C | T | rs141101751 | 6.57E-01 | 0.018 | 0.021 | 0.88 | 0.59 | -1.31 | 2.86E-05 | 0.041 | 0.023 | 1.77 | 1.33 | -2.35 | 1.47 | 4.93E-03 | PEAK1 | intronic |
| 15 | 77648864 | T | C | rs75394783 | 6.41E-01 | 0.019 | 0.022 | 0.88 | 0.59 | -1.29 | 2.44E-05 | 0.041 | 0.024 | 1.77 | 1.34 | -2.35 | 1.46 | 4.94E-03 | PEAK1 | intronic |
| 6 | 5455161 | T | C | rs2791458 | 8.97E-01 | 0.091 | 0.088 | 0.96 | 0.79 | -1.16 | 6.43E-05 | 0.123 | 0.100 | 0.79 | 0.67 | -0.93 | 0.81 | 4.98E-03 | LOC101927972 | ncRNA_intronic |
| 1 | 240277956 | C | G | rs10926127 | 6.22E-05 | 0.119 | 0.142 | 0.81 | 0.69 | -0.96 | 8.23E-01 | 0.153 | 0.169 | 0.89 | 0.77 | -1.02 | 0.85 | 4.99E-03 | FMN2 | intronic |
| 8 | 89291085 | G | C | rs11986608 | 8.56E-01 | 0.120 | 0.124 | 0.96 | 0.81 | -1.13 | 2.40E-05 | 0.089 | 0.118 | 0.73 | 0.61 | -0.88 | 0.84 | 5.01E-03 | MMP16 | intronic |
| 6 | 130542171 | T | C | rs6569666 | 5.22E-05 | 0.232 | 0.271 | 0.81 | 0.71 | -0.92 | 9.70E-01 | 0.255 | 0.258 | 0.98 | 0.87 | -1.11 | 0.86 | 5.01E-03 | SAMD3 | intronic |
| 1 | 61808086 | C | T | rs9436635 | 7.63E-01 | 0.085 | 0.086 | 0.98 | 0.81 | -1.2 | 2.43E-05 | 0.113 | 0.083 | 1.40 | 1.18 | -1.67 | 1.22 | 5.04E-03 | NFIA | intronic |
| 15 | 77730400 | G | A | rs141416811 | 6.63E-01 | 0.018 | 0.021 | 0.88 | 0.59 | -1.31 | 3.11E-05 | 0.041 | 0.023 | 1.77 | 1.33 | -2.35 | 1.46 | 5.04E-03 | HMG20A | intronic |
| 11 | 8546365 | A | C | rs7119274 | 6.66E-01 | 0.294 | 0.307 | 0.94 | 0.83 | -1.06 | 9.61E-06 | 0.318 | 0.264 | 1.30 | 1.16 | -1.46 | 1.13 | 5.07E-03 | STK33 | intronic |
| 8 | 3121242 | C | G | rs7010968 | 9.72E-01 | 0.479 | 0.486 | 1.03 | 0.92 | -1.15 | 4.37E-05 | 0.499 | 0.434 | 0.77 | 0.69 | -0.85 | 0.89 | 5.07E-03 | CSMD1 | intronic |
| 14 | 62730285 | C | A | rs4899069 | 7.16E-01 | 0.373 | 0.387 | 1.06 | 0.95 | -1.19 | 2.54E-05 | 0.399 | 0.339 | 0.77 | 0.69 | -0.86 | 0.89 | 5.14E-03 | LINC00644(dist=123594), KCNH5(dist=443006) | intergenic |
| 10 | 97349758 | C | T | rs7915910 | 2.45E-05 | 0.226 | 0.187 | 1.27 | 1.11 | -1.45 | 9.55E-01 | 0.184 | 0.179 | 1.04 | 0.91 | -1.19 | 1.16 | 5.17E-03 | SORBS1(dist=28581), ALDH18A1(dist=15928) | intergenic |
| 8 | 32574651 | G | A | rs2976526 | 9.98E-01 | 0.039 | 0.037 | 0.96 | 0.72 | -1.28 | 4.23E-05 | 0.055 | 0.035 | 0.63 | 0.5 | -0.8 | 0.73 | 5.18E-03 | NRG1 | intronic |
| 21 | 25481225 | A | G | rs8126510 | 6.42E-01 | 0.040 | 0.043 | 1.08 | 0.82 | -1.41 | 3.88E-06 | 0.054 | 0.032 | 0.58 | 0.45 | -0.75 | 0.74 | 5.19E-03 | D21S2088E(dist=724069), LOC101927869(dist=195638) | intergenic |
| 21 | 25482266 | G | A | rs79720228 | 6.43E-01 | 0.040 | 0.043 | 0.93 | 0.71 | -1.22 | 3.90E-06 | 0.054 | 0.032 | 1.72 | 1.34 | -2.22 | 1.36 | 5.19E-03 | D21S2088E(dist=725110), LOC101927869(dist=194597) | intergenic |
| 21 | 25475526 | T | C | rs1783328 | 6.22E-01 | 0.040 | 0.043 | 0.92 | 0.7 | -1.22 | 3.43E-06 | 0.053 | 0.032 | 1.73 | 1.35 | -2.22 | 1.35 | 5.20E-03 | D21S2088E(dist=718370), LOC101927869(dist=201337) | intergenic |
| 12 | 12254075 | C | T | rs2448032 | 8.08E-01 | 0.219 | 0.204 | 1.09 | 0.96 | -1.25 | 6.23E-05 | 0.202 | 0.258 | 0.73 | 0.64 | -0.83 | 0.86 | 5.21E-03 | BCL2L14(dist=1448), MIR1244-4(dist=10811) | intergenic |
| 5 | 34616358 | T | G | rs256311 | 9.71E-01 | 0.419 | 0.410 | 1.04 | 0.93 | -1.16 | 4.45E-05 | 0.469 | 0.425 | 1.20 | 1.08 | -1.33 | 1.12 | 5.24E-03 | C1QTNF3-AMACR(dist=491725), RAI14(dist=40075) | intergenic |
| 8 | 5387864 | C | T | rs28416345 | 2.38E-05 | 0.022 | 0.046 | 0.47 | 0.34 | -0.65 | 6.63E-01 | 0.032 | 0.029 | 1.12 | 0.83 | -1.51 | 0.72 | 5.25E-03 | CSMD1(dist=535536), LOC100287015(dist=873213) | intergenic |
| 6 | 32454652 | C | T | rs113888165 | 1.17E-05 | 0.401 | 0.439 | 0.85 | 0.76 | -0.95 | 4.00E-03 | 0.417 | 0.450 | 0.88 | 0.79 | -0.97 | 0.81 | 5.29E-03 | HLA-DRA(dist=41826), HLA-DRB5(dist=30502) | intergenic |
| 5 | 37999777 | A | T | rs1508840 | 7.56E-01 | 0.380 | 0.375 | 1.02 | 0.91 | -1.14 | 1.28E-05 | 0.332 | 0.383 | 0.80 | 0.72 | -0.9 | 0.89 | 5.30E-03 | GDNF-AS1(dist=123877), EGLAM(dist=258734) | intergenic |
| 14 | 105081957 | G | C | rs6576054 | 7.68E-01 | 0.136 | 0.138 | 1.02 | 0.87 | -1.19 | 3.53E-05 | 0.164 | 0.126 | 0.74 | 0.64 | -0.85 | 0.85 | 5.31E-03 | TMEM179(dist=10860), MIR4710(dist=62074) | intergenic |
| 1 | 61802286 | T | C | rs12066006 | 7.32E-01 | 0.079 | 0.080 | 0.98 | 0.8 | -1.2 | 1.99E-05 | 0.107 | 0.079 | 1.40 | 1.17 | -1.66 | 1.23 | 5.31E-03 | NFIA | intronic |
| 21 | 25478260 | C | T | rs1910636 | 6.35E-01 | 0.041 | 0.044 | 0.93 | 0.71 | -1.22 | 3.78E-06 | 0.054 | 0.032 | 1.72 | 1.34 | -2.2 | 1.35 | 5.35E-03 | D21S2088E(dist=721104), LOC101927869(dist=198603) | intergenic |
| 3 | 143067049 | C | A | rs142097046 | 9.86E-01 | 0.041 | 0.042 | 0.96 | 0.73 | -1.26 | 3.57E-05 | 0.055 | 0.036 | 1.57 | 1.23 | -2 | 1.35 | 5.36E-03 | SLC9A9 | intronic |
| 7 | 113541607 | T | C | rs12673425 | 7.78E-01 | 0.360 | 0.367 | 0.97 | 0.87 | -1.09 | 1.42E-05 | 0.315 | 0.357 | 0.83 | 0.74 | -0.92 | 0.89 | 5.39E-03 | PPP1R3A | intronic |
| 21 | 25450911 | C | T | rs1783313 | 6.19E-01 | 0.040 | 0.043 | 0.93 | 0.71 | -1.22 | 4.72E-06 | 0.053 | 0.031 | 1.74 | 1.35 | -2.22 | 1.35 | 5.41E-03 | D21S2088E(dist=693755), LOC101927869(dist=225952) | intergenic |
| 11 | 124137934 | C | G | rs7130169 | 9.04E-01 | 0.272 | 0.271 | 1.01 | 0.89 | -1.14 | 5.72E-05 | 0.306 | 0.263 | 1.24 | 1.1 | -1.39 | 1.13 | 5.45E-03 | OR8G5(dist=2171), OR8D1(dist=41802) | intergenic |
| 1 | 61808444 | A | G | rs4915735 | 7.79E-01 | 0.085 | 0.087 | 1.01 | 0.83 | -1.23 | 3.18E-05 | 0.113 | 0.084 | 0.72 | 0.61 | -0.85 | 0.82 | 5.48E-03 | NFIA | intronic |
| 21 | 25458142 | C | T | rs1699713 | 6.00E-01 | 0.040 | 0.043 | 0.92 | 0.7 | -1.22 | 3.64E-06 | 0.053 | 0.031 | 1.74 | 1.36 | -2.23 | 1.35 | 5.48E-03 | D21S2088E(dist=700986), LOC101927869(dist=218721) | intergenic |
| 16 | 85083763 | A | G | rs12597553 | 8.66E-01 | 0.418 | 0.405 | 0.95 | 0.85 | -1.06 | 5.15E-05 | 0.377 | 0.436 | 1.28 | 1.15 | -1.42 | 1.13 | 5.48E-03 | KIAA0513 | intronic |
| 8 | 89316955 | T | A | rs11994310 | 7.93E-01 | 0.123 | 0.127 | 0.97 | 0.82 | -1.14 | 1.76E-05 | 0.090 | 0.119 | 0.73 | 0.61 | -0.88 | 0.84 | 5.51E-03 | MMP | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 1 | 12187712 | A | G | rs497426 | 8.43E-01 | 0.386 | 0.367 | 0.92 | 0.82 | -1.03 | 3.19E-05 | 0.463 | 0.433 | 0.89 | 0.8 | -0.98 | 0.88 | 5.73E-03 | TNFRSF8 | intronic |
| 8 | 5959900 | A | G | rs74478569 | 6.60E-01 | 0.174 | 0.187 | 0.92 | 0.79 | -1.06 | 2.44E-06 | 0.210 | 0.161 | 1.38 | 1.21 | -1.58 | 1.16 | 5.76E-03 | CSMD1(dist=1107572), LOC100287015(dist=301177) | intergenic |
| 21 | 25455847 | A | T | rs1783317 | 6.19E-01 | 0.040 | 0.043 | 0.93 | 0.71 | -1.22 | 5.35E-06 | 0.053 | 0.032 | 1.73 | 1.35 | -2.21 | 1.34 | 5.77E-03 | D21S2088E(dist=698691), LOC101927869(dist=221016) | intergenic |
| 11 | 124116898 | A | C | rs10790658 | 8.18E-01 | 0.305 | 0.306 | 0.99 | 0.88 | -1.12 | 4.86E-05 | 0.348 | 0.301 | 1.24 | 1.11 | -1.38 | 1.13 | 5.79E-03 | OR8G2(dist=20530), OR8G1(dist=3525) | intergenic |
| 11 | 7810948 | T | C | rs11500779 | 7.10E-01 | 0.261 | 0.271 | 0.95 | 0.84 | -1.07 | 9.46E-06 | 0.293 | 0.252 | 1.23 | 1.1 | -1.38 | 1.18 | 5.83E-03 | OVCH2(dist=83007), OR5P2(dist=6573) | intergenic |
| 10 | 108243842 | C | G | rs144969892 | 6.48E-05 | 0.097 | 0.072 | 1.39 | 1.14 | -1.69 | 9.33E-01 | 0.078 | 0.075 | 1.05 | 0.86 | -1.28 | 1.28 | 5.83E-03 | LOC101927549(dist=663751), SORCS1(dist=89579) | intergenic |
| 21 | 28298049 | A | G | rs229079 | 3.09E-05 | 0.164 | 0.199 | 0.78 | 0.68 | -0.91 | 9.53E-01 | 0.203 | 0.211 | 0.96 | 0.84 | -1.09 | 0.87 | 5.84E-03 | ADAMTS5 | intronic |
| 8 | 5961216 | T | C | rs17076050 | 6.22E-01 | 0.174 | 0.187 | 0.92 | 0.79 | -1.06 | 2.44E-06 | 0.209 | 0.160 | 1.38 | 1.21 | -1.57 | 1.17 | 5.92E-03 | CSMD1(dist=1108888), LOC100287015(dist=299861) | intergenic |
| 1 | 66341400 | C | T | rs12759968 | 6.18E-01 | 0.041 | 0.039 | 1.07 | 0.81 | -1.41 | 9.66E-06 | 0.063 | 0.047 | 1.37 | 1.1 | -1.72 | 1.35 | 5.93E-03 | PDE4B | intronic |
| 16 | 26460232 | T | C | rs34319955 | 4.66E-05 | 0.134 | 0.091 | 1.55 | 1.3 | -1.84 | 8.16E-01 | 0.125 | 0.134 | 0.93 | 0.79 | -1.08 | 1.19 | 5.94E-03 | HS3ST4(dist=311223), C16orf82(dist=617987) | intergenic |
| 14 | 105084021 | A | T | rs10138987 | 7.57E-01 | 0.135 | 0.137 | 1.02 | 0.87 | -1.2 | 4.54E-05 | 0.162 | 0.125 | 0.74 | 0.64 | -0.85 | 0.85 | 5.95E-03 | TMEM179(dist=12924), MIR4710(dist=60010) | intergenic |
| 6 | 29404876 | A | G | rs138570612 | 8.42E-01 | 0.113 | 0.118 | 0.96 | 0.81 | -1.14 | 2.01E-05 | 0.133 | 0.094 | 1.48 | 1.26 | -1.74 | 1.20 | 5.98E-03 | OR11A1(dist=9367), OR10C1(dist=2840) | intergenic |
| 2 | 196719555 | T | A | rs1462293 | 8.54E-01 | 0.234 | 0.211 | 1.14 | 1 | -1.3 | 4.58E-05 | 0.206 | 0.267 | 0.71 | 0.63 | -0.81 | 0.87 | 6.02E-03 | DNAH7 | intronic |
| 20 | 57963275 | C | T | rs57113192 | 5.34E-05 | 0.264 | 0.219 | 1.27 | 1.12 | -1.45 | 6.42E-01 | 0.244 | 0.248 | 0.98 | 0.87 | -1.1 | 1.17 | 6.02E-03 | EDN3(dist=62228), PHACTR3(dist=189289) | intergenic |
| 10 | 51500301 | A | G | rs2611502 | 5.27E-05 | 0.241 | 0.185 | 1.40 | 1.22 | -1.6 | 7.73E-01 | 0.231 | 0.236 | 0.97 | 0.86 | -1.1 | 1.16 | 6.04E-03 | TIMM23B | intronic |
| 7 | 78981676 | T | C | rs7788723 | 8.40E-01 | 0.112 | 0.113 | 0.99 | 0.83 | -1.18 | 5.92E-05 | 0.120 | 0.088 | 1.40 | 1.19 | -1.66 | 1.21 | 6.05E-03 | MAGI2 | intronic |
| 2 | 196996654 | G | A | rs12994633 | 8.21E-01 | 0.199 | 0.177 | 1.16 | 1.01 | -1.33 | 4.58E-05 | 0.182 | 0.240 | 0.70 | 0.62 | -0.8 | 0.87 | 6.07E-03 | DNAH7(dist=63118), STK17B(dist=1653) | intergenic |
| 4 | 85372878 | G | A | rs1444956 | 8.62E-01 | 0.297 | 0.301 | 0.98 | 0.87 | -1.11 | 6.22E-05 | 0.328 | 0.281 | 1.25 | 1.12 | -1.4 | 1.12 | 6.07E-03 | LOC101928978(dist=152556), NKX6-1(dist=41558) | intergenic |
| 11 | 8537411 | G | A | rs2311390 | 6.40E-01 | 0.290 | 0.304 | 0.94 | 0.83 | -1.05 | 1.10E-05 | 0.315 | 0.262 | 1.29 | 1.15 | -1.45 | 1.13 | 6.08E-03 | STK33 | intronic |
| 8 | 62686651 | G | T | rs34827206 | 9.03E-01 | 0.070 | 0.075 | 0.93 | 0.75 | -1.15 | 5.66E-06 | 0.069 | 0.044 | 1.61 | 1.29 | -2 | 1.29 | 6.12E-03 | MIR4470(dist=58233), NKAIN3(dist=475850) | intergenic |
| 21 | 20262503 | C | T | rs74932851 | 6.26E-05 | 0.071 | 0.048 | 1.54 | 1.22 | -1.94 | 8.20E-01 | 0.060 | 0.058 | 1.02 | 0.82 | -1.28 | 1.29 | 6.12E-03 | LOC101927797(dist=130373), LINC00320(dist=1852405) | intergenic |
| 11 | 18593714 | C | T | rs10766486 | 8.01E-01 | 0.335 | 0.317 | 1.08 | 0.96 | -1.22 | 4.04E-05 | 0.325 | 0.388 | 0.76 | 0.68 | -0.85 | 0.89 | 6.14E-03 | UEVLD | intronic |
| 11 | 8535922 | G | A | rs1992756 | 6.46E-01 | 0.290 | 0.304 | 0.94 | 0.83 | -1.06 | 1.09E-05 | 0.314 | 0.261 | 1.29 | 1.15 | -1.45 | 1.13 | 6.14E-03 | STK33 | intronic |
| 6 | 5458579 | A | G | rs2552289 | 7.06E-01 | 0.074 | 0.073 | 0.99 | 0.8 | -1.22 | 3.03E-05 | 0.104 | 0.080 | 0.74 | 0.62 | -0.89 | 0.80 | 6.15E-03 | FARS2 | intronic |
| 4 | 85374120 | C | T | rs7690203 | 8.50E-01 | 0.299 | 0.302 | 0.98 | 0.87 | -1.11 | 6.05E-05 | 0.329 | 0.282 | 1.25 | 1.12 | -1.4 | 1.12 | 6.19E-03 | LOC101928978(dist=153798), NKX6-1(dist=40316) | intergenic |
| 15 | 10146947 | A | G | rs73480694 | 5.13E-05 | 0.178 | 0.231 | 0.72 | 0.63 | -0.83 | 8.05E-01 | 0.189 | 0.179 | 1.07 | 0.94 | -1.23 | 0.87 | 6.20E-03 | LRRK1 | intronic |
| 8 | 5958623 | G | C | rs17076042 | 7.32E-01 | 0.165 | 0.178 | 0.91 | 0.79 | -1.06 | 4.88E-06 | 0.187 | 0.139 | 1.43 | 1.24 | -1.64 | 1.17 | 6.31E-03 | CSMD1(dist=1106295), LOC100287015(dist=302454) | intergenic |
| 7 | 158025328 | C | A | rs6949642 | 9.53E-01 | 0.385 | 0.373 | 0.95 | 0.85 | -1.06 | 4.12E-05 | 0.362 | 0.413 | 1.24 | 1.11 | -1.38 | 1.13 | 6.32E-03 | PTPRN2 | intronic |
| 8 | 38817163 | T | A | rs73674664 | 9.37E-01 | 0.074 | 0.078 | 0.93 | 0.76 | -1.15 | 4.27E-05 | 0.100 | 0.069 | 1.51 | 1.26 | -1.8 | 1.24 | 6.34E-03 | PLEKHA2 | intronic |
| 11 | 8548811 | T | C | rs11041960 | 5.91E-01 | 0.290 | 0.305 | 0.93 | 0.83 | -1.05 | 1.08E-05 | 0.318 | 0.264 | 1.30 | 1.16 | -1.45 | 1.13 | 6.35E-03 | STK33 | intronic |
| 2 | 65950183 | C | A | rs62139656 | 1.14E-05 | 0.058 | 0.071 | 0.81 | 0.65 | -1.01 | 5.47E-01 | 0.071 | 0.075 | 0.94 | 0.77 | -1.15 | 0.74 | 6.37E-03 | SPRED2(dist=290527), MIR4778(dist=635198) | intergenic |
| 4 | 85371991 | A | G | rs7654114 | 8.97E-01 | 0.307 | 0.309 | 0.99 | 0.88 | -1.12 | 5.66E-05 | 0.336 | 0.292 | 1.23 | 1.1 | -1.37 | 1.13 | 6.42E-03 | LOC101928978(dist=151669), NKX6-1(dist=42445) | intergenic |
| 16 | 26441790 | C | T | rs34644807 | 4.48E-05 | 0.134 | 0.090 | 1.56 | 1.31 | -1.85 | 8.59E-01 | 0.125 | 0.134 | 0.92 | 0.79 | -1.08 | 1.19 | 6.56E-03 | HS3ST4(dist=292781), C16orf82(dist=636429) | intergenic |
| 3 | 63959465 | C | T | rs62252368 | 2.74E-01 | 0.192 | 0.204 | 0.92 | 0.8 | -1.06 | 1.50E-06 | 0.238 | 0.190 | 1.33 | 1.17 | -1.51 | 1.15 | 6.59E-03 | ATXN7 | intronic |
| 3 | 143062266 | A | G | rs75353832 | 9.09E-01 | 0.039 | 0.042 | 0.94 | 0.71 | -1.24 | 2.36E-05 | 0.053 | 0.033 | 1.61 | 1.26 | -2.06 | 1.34 | 6.62E-03 | SLC9A9-AS1 | ncRNA_exon |
| 13 | 27715813 | A | C | rs7326966 | 5.94E-05 | 0.391 | 0.451 | 1.28 | 1.15 | -1.43 | 9.62E-01 | 0.429 | 0.428 | 1.00 | 0.9 | -1.11 | 1.12 | 6.66E-03 | USP12-AS1 | ncRNA_intronic |
| 14 | 105081712 | T | C | rs7147154 | 7.65E-01 | 0.164 | 0.168 | 1.03 | 0.89 | -1.19 | 5.46E-05 | 0.198 | 0.156 | 0.75 | 0.66 | -0.86 | 0.86 | 6.66E-03 | TMEM179(dist=10615), MIR4710(dist=62319) | intergenic |
| 1 | 198125585 | T | C | rs80323693 | 3.46E-06 | 0.042 | 0.023 | 1.86 | 1.36 | -2.56 | 5.11E-01 | 0.027 | 0.028 | 0.96 | 0.7 | -1.32 | 1.39 | 6.68E-03 | NEK7 | upstream |
| 5 | 3350440 | G | A | rs115134278 | 7.46E-01 | 0.048 | 0.052 | 0.93 | 0.72 | -1.19 | 5.71E-06 | 0.066 | 0.042 | 1.61 | 1.29 | -2.01 | 1.32 | 6.70E-03 | LINC01377(dist=169094), LINC01019(dist=66826) | intergenic |
| 10 | 55413116 | T | C | rs9416295 | 4.49E-05 | 0.136 | 0.091 | 1.57 | 1.32 | -1.87 | 8.55E-01 | 0.118 | 0.122 | 0.96 | 0.81 | -1.12 | 1.21 | 6.78E-03 | MBL2(dist=881656), PCDH15(dist=149417) | intergenic |
| 1 | 198128817 | T | C | rs115669600 | 3.58E-06 | 0.042 | 0.023 | 1.86 | 1.36 | -2.55 | 5.09E-01 | 0.027 | 0.028 | 0.96 | 0.7 | -1.32 | 1.39 | 6.78E-03 | NEK7 | intronic |
| 1 | 198128839 | G | T | rs116180579 | 3.58E-06 | 0.042 | 0.023 | 1.86 | 1.36 | -2.55 | 5.09E-01 | 0.027 | 0.028 | 0.96 | 0.7 | -1.32 | 1.39 | 6.78E-03 | NEK7 | intronic |
| 8 | 5959685 | G | T | rs76278735 | 7.16E-01 | 0.165 | 0.178 | 0.91 | 0.79 | -1.05 | 5.26E-06 | 0.187 | 0.139 | 1.42 | 1.24 | -1.63 | 1.16 | 6.83E-03 | CSMD1(dist=1107357), LOC100287015(dist=301392) | intergenic |
| 2 | 140211958 | C | T | rs11682693 | 9.29E-01 | 0.494 | 0.484 | 0.96 | 0.86 | -1.07 | 5.37E-05 | 0.532 | 0.474 | 1.27 | 1.14 | -1.41 | 1.12 | 6.84E-03 | YY1P2(dist=555214), LRP1B(dist=777038) | intergenic |
| 18 | 52874822 | C | T | rs9319977 | 6.82E-01 | 0.063 | 0.070 | 0.89 | 0.72 | -1.11 | 1.51E-05 | 0.078 | 0.051 | 1.59 | 1.29 | -1.95 | 1.26 | 6.85E-03 | LOC101927229(dist=83285), TCF4(dist=14740) | intergenic |
| 4 | 122556417 | C | T | rs28572619 | 9.06E-01 | 0.362 | 0.360 | 1.01 | 0.9 | -1.13 | 6.21E-05 | 0.321 | 0.369 | 0.81 | 0.73 | -0.91 | 0.89 | 6.86E-03 | QRFRP(dist=254236), ANXA5(dist=32735) | intergenic |
| 11 | 8510768 | C | T | rs11041949 | 5.79E-01 | 0.290 | 0.305 | 0.93 | 0.83 | -1.05 | 8.56E-06 | 0.317 | 0.263 | 1.30 | 1.16 | -1.45 | 1.13 | 6.87E-03 | STK33 | intronic |
| 11 | 8525987 | T | C | rs73405938 | 5.79E-01 | 0.290 | 0.305 | 0.93 | 0.83 | -1.05 | 8.93E-06 | 0.316 | 0.262 | 1.30 | 1.16 | -1.45 | 1.13 | 6.90E-03 | STK33 | intronic |
| 7 | 113472564 | C | G | rs10265135 | 4.99E-01 | 0.235 | 0.253 | 0.91 | 0.8 | -1.03 | 1.81E-06 | 0.265 | 0.210 | 1.36 | 1.2 | -1.53 | 1.15 | 6.99E-03 | LINC00998(dist=713927), PPP1R3A(dist=44318) | intergenic |
| 6 | 107467003 | T | C | rs114403483 | 8.39E-01 | 0.031 | 0.034 | 0.92 | 0.68 | -1.26 | 5.55E-05 | 0.051 | 0.032 | 1.63 | 1.27 | -2.1 | 1.42 | 7.03E-03 | BEND3(dist=31367), PDSS2(dist=6758) | intergenic |
| 2 | 196952298 | C | T | rs2139388 | 7.13E-01 | 0.189 | 0.166 | 1.17 | 1.02 | -1.35 | 3.72E-05 | 0.171 | 0.228 | 0.70 | 0.61 | -0.8 | 0.87 | 7.06E-03 | DNAH7(dist=18762), STK17B(dist=46009) | intergenic |
| 6 | 96970253 | G | A | rs79624430 | 8.93E-01 | 0.105 | 0.109 | 0.96 | 0.8 | -1.14 | 3.14E-05 | 0.123 | 0.088 | 1.45 | 1.23 | -1.71 | 1.21 | 7.07E-03 | UFL1 | intronic |
| 11 | 7878148 | T | C | rs77169598 | 6.85E-01 | 0.181 | 0.182 | 0.99 | 0.86 | -1.14 | 2.68E-05 | 0.138 | 0.173 | 0.77 | 0.66 | -0.89 | 0.87 | 7.12E-03 | LOC283299 | ncRNA_intronic |
| 2 | 196953061 | T | G | rs10931719 | 7.91E-01 | 0.190 | 0.168 | 1.16 | 1.01 | -1.34 | 5.57E-05 | 0.174 | 0.230 | 0.70 | 0.61 | -0.8 | 0.87 | 7.17E-03 | DNAH7(dist=19525), STK17B(dist=45246) | intergenic |
| 11 | 36924596 | C | G | rs150396235 | 9.48E-01 | 0.032 | 0.035 | 0.92 | 0.68 | -1.25 | 6.14E-05 | 0.041 | 0.024 | 1.76 | 1.33 | -2.34 | 1.39 | 7.19E-03 | C11orf74(dist=243755), LOC103312105(dist=1715218) | intergenic |
| 5 | 154531496 | A | G | rs73808770 | 9.94E-01 | 0.104 | 0.109 | 0.95 | 0.79 | -1.13 | 6.13E-05 | 0.112 | 0.078 | 1.50 | 1.26 | -1.78 | 1.21 | 7.19E-03 | KIF4B(dist=133811), SGCD(dist=1222271) | intergenic |
| 3 | 118189580 | T | C | rs1520120 | 7.31E-01 | 0.388 | 0.379 | 1.04 | 0. | | | | | | | | | | | |

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|----|-----------|---|---|----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|------------|
| 2 | 196955900 | C | A | rs6713835 | 7.78E-01 | 0.191 | 0.169 | 1.16 | 1.01 | -1.34 | 5.35E-05 | 0.173 | 0.229 | 0.70 | 0.61 | -0.8 | 0.87 | 7.36E-03 | DNAH7(dist=22364), STK17B(dist=42407) | intergenic |
| 7 | 106656413 | G | A | rs849304 | 8.40E-06 | 0.183 | 0.144 | 1.33 | 1.15 | -1.55 | 5.03E-01 | 0.150 | 0.154 | 0.97 | 0.84 | -1.13 | 1.16 | 7.44E-03 | PIK3CG(dist=106990), PRKR2B(dist=28765) | intergenic |
| 2 | 196723946 | T | C | rs1462290 | 7.96E-01 | 0.233 | 0.209 | 1.15 | 1 | -1.31 | 5.43E-05 | 0.207 | 0.268 | 0.71 | 0.63 | -0.81 | 0.88 | 7.46E-03 | DNAH7 | intronic |
| 10 | 51521684 | T | G | rs2249986 | 3.08E-05 | 0.247 | 0.187 | 1.43 | 1.25 | -1.63 | 9.15E-01 | 0.230 | 0.237 | 0.96 | 0.85 | -1.09 | 1.15 | 7.48E-03 | TIMM23B | intronic |
| 4 | 58217300 | A | G | rs73818809 | 5.79E-01 | 0.027 | 0.030 | 0.87 | 0.63 | -1.22 | 8.85E-06 | 0.040 | 0.021 | 1.95 | 1.45 | -2.61 | 1.39 | 7.49E-03 | IGFBP7-AS1(dist=145835), LOC101928851(dist=74738) | intergenic |
| 6 | 29408204 | C | T | rs17177646 | 5.85E-01 | 0.062 | 0.065 | 0.95 | 0.76 | -1.18 | 2.30E-05 | 0.093 | 0.062 | 1.56 | 1.3 | -1.89 | 1.24 | 7.51E-03 | OR10C1 | exonic |
| 11 | 76921090 | G | A | rs12793189 | 8.20E-01 | 0.439 | 0.445 | 1.02 | 0.92 | -1.14 | 3.84E-05 | 0.501 | 0.456 | 0.83 | 0.75 | -0.93 | 0.89 | 7.51E-03 | MYO7A | intronic |
| 16 | 26440033 | G | A | rs62034787 | 4.84E-05 | 0.134 | 0.091 | 1.55 | 1.31 | -1.85 | 8.91E-01 | 0.126 | 0.135 | 0.92 | 0.79 | -1.08 | 1.19 | 7.52E-03 | HS3ST4(dist=291024), C16orf82(dist=638186) | intergenic |
| 10 | 55416851 | T | C | rs825822 | 6.17E-05 | 0.131 | 0.087 | 0.63 | 0.53 | -0.75 | 8.39E-01 | 0.114 | 0.119 | 1.05 | 0.89 | -1.23 | 0.83 | 7.54E-03 | MBL2(dist=885391), PCDH15(dist=145682) | intergenic |
| 5 | 37981642 | A | C | rs10057592 | 9.05E-01 | 0.429 | 0.429 | 1.00 | 0.9 | -1.12 | 5.64E-05 | 0.378 | 0.421 | 0.83 | 0.75 | -0.93 | 0.89 | 7.57E-03 | GDNF-AS1(dist=105742), EGFLAM(dist=276869) | intergenic |
| 21 | 28304838 | C | G | rs229044;rs386817552 | 1.43E-05 | 0.183 | 0.222 | 0.79 | 0.69 | -0.9 | 7.27E-01 | 0.223 | 0.226 | 0.98 | 0.87 | -1.11 | 0.87 | 7.60E-03 | ADAMT55 | intronic |
| 14 | 105086888 | A | G | rs7155060 | 7.22E-01 | 0.135 | 0.138 | 1.02 | 0.87 | -1.2 | 6.02E-05 | 0.162 | 0.126 | 0.74 | 0.64 | -0.86 | 0.85 | 7.63E-03 | TMEM179(dist=15791), MIR4710(dist=57143) | intergenic |
| 1 | 198258187 | G | C | rs115359978 | 3.24E-05 | 0.049 | 0.030 | 1.66 | 1.25 | -2.21 | 7.86E-01 | 0.036 | 0.035 | 1.03 | 0.78 | -1.36 | 1.34 | 7.65E-03 | NEK7 | intronic |
| 10 | 51524274 | C | T | rs2843555 | 2.68E-05 | 0.246 | 0.185 | 1.43 | 1.25 | -1.63 | 9.35E-01 | 0.220 | 0.228 | 0.96 | 0.85 | -1.09 | 1.15 | 7.71E-03 | TIMM23B | intronic |
| 2 | 196955334 | A | G | rs6738827 | 7.37E-01 | 0.192 | 0.169 | 1.17 | 1.01 | -1.35 | 4.76E-05 | 0.173 | 0.230 | 0.70 | 0.61 | -0.8 | 0.87 | 7.74E-03 | DNAH7(dist=21798), STK17B(dist=42973) | intergenic |
| 2 | 60124003 | T | C | rs6752231 | 8.18E-01 | 0.311 | 0.303 | 0.97 | 0.86 | -1.09 | 4.27E-05 | 0.260 | 0.314 | 1.30 | 1.15 | -1.46 | 1.13 | 7.75E-03 | LOC101927285(dist=617468), MIR4432(dist=490494) | intergenic |
| 4 | 141828297 | A | G | rs2303412 | 7.08E-06 | 0.070 | 0.104 | 0.65 | 0.53 | -0.79 | 4.42E-01 | 0.095 | 0.091 | 1.04 | 0.87 | -1.25 | 0.82 | 7.82E-03 | RNF150 | intronic |
| 20 | 53281908 | A | G | rs1997834 | 7.62E-01 | 0.226 | 0.228 | 1.01 | 0.89 | -1.15 | 5.04E-05 | 0.174 | 0.211 | 1.28 | 1.11 | -1.46 | 1.14 | 7.83E-03 | DOK5(dist=14198), LINC01441(dist=754966) | intergenic |
| 2 | 196992803 | C | A | rs12621714 | 6.87E-01 | 0.196 | 0.172 | 1.17 | 1.02 | -1.35 | 4.14E-05 | 0.179 | 0.237 | 0.70 | 0.62 | -0.8 | 0.87 | 7.86E-03 | DNAH7(dist=59267), STK17B(dist=5504) | intergenic |
| 10 | 50329743 | A | G | rs4838449 | 5.92E-05 | 0.287 | 0.222 | 0.71 | 0.63 | -0.8 | 8.63E-01 | 0.264 | 0.273 | 1.04 | 0.93 | -1.18 | 0.88 | 7.87E-03 | FAM170B-AS1 | upstream |
| 19 | 46906400 | C | T | rs12463199 | 8.40E-06 | 0.275 | 0.317 | 1.22 | 1.08 | -1.38 | 5.91E-01 | 0.322 | 0.315 | 0.97 | 0.86 | -1.08 | 1.15 | 7.87E-03 | PPP5C(dist=12168), CCDC8(dist=7186) | intergenic |
| 4 | 122563134 | C | G | rs4833228 | 5.72E-01 | 0.254 | 0.244 | 1.05 | 0.93 | -1.2 | 1.73E-05 | 0.218 | 0.269 | 0.75 | 0.67 | -0.85 | 0.88 | 7.88E-03 | QRFRP(dist=260953), ANXA5(dist=26018) | intergenic |
| 21 | 28305647 | A | G | rs162499 | 4.04E-05 | 0.174 | 0.209 | 0.80 | 0.7 | -0.92 | 9.04E-01 | 0.206 | 0.213 | 0.96 | 0.84 | -1.09 | 0.87 | 7.90E-03 | ADAMT55 | intronic |
| 10 | 32398589 | A | G | rs211422 | 1.97E-05 | 0.279 | 0.343 | 1.35 | 1.2 | -1.52 | 8.57E-01 | 0.302 | 0.294 | 0.96 | 0.86 | -1.08 | 1.13 | 7.94E-03 | KIF5B(dist=53218), EPC1(dist=158055) | intergenic |
| 2 | 196976853 | T | C | rs1568366 | 7.58E-01 | 0.193 | 0.170 | 1.17 | 1.01 | -1.34 | 5.59E-05 | 0.174 | 0.231 | 0.70 | 0.61 | -0.8 | 0.87 | 7.94E-03 | DNAH7(dist=43317), STK17B(dist=21454) | intergenic |
| 10 | 51530757 | G | A | rs10826127 | 1.78E-05 | 0.245 | 0.184 | 1.44 | 1.26 | -1.65 | 9.89E-01 | 0.220 | 0.229 | 0.95 | 0.84 | -1.08 | 1.15 | 7.98E-03 | TIMM23B | intronic |
| 1 | 198145413 | A | C | rs74388251 | 1.57E-05 | 0.044 | 0.026 | 1.73 | 1.28 | -2.33 | 6.22E-01 | 0.031 | 0.031 | 0.99 | 0.73 | -1.33 | 1.37 | 8.01E-03 | NEK7 | intronic |
| 6 | 22400047 | G | T | rs6903942 | 5.92E-05 | 0.114 | 0.087 | 1.36 | 1.13 | -1.63 | 8.22E-01 | 0.084 | 0.081 | 1.05 | 0.87 | -1.27 | 1.21 | 8.02E-03 | PRL(dist=96965), HDGFL1(dist=169631) | intergenic |
| 7 | 153932619 | C | T | rs4397309 | 5.53E-05 | 0.141 | 0.113 | 1.29 | 1.09 | -1.52 | 5.35E-01 | 0.117 | 0.116 | 1.01 | 0.86 | -1.18 | 1.22 | 8.03E-03 | DPP6 | intronic |
| 13 | 110409931 | A | C | rs7996317 | 6.18E-06 | 0.127 | 0.096 | 1.37 | 1.16 | -1.64 | 5.23E-01 | 0.098 | 0.099 | 0.98 | 0.82 | -1.17 | 1.19 | 8.06E-03 | IRS2 | intronic |
| 11 | 36926707 | C | T | rs112809811 | 8.21E-01 | 0.045 | 0.049 | 0.91 | 0.7 | -1.18 | 4.05E-05 | 0.063 | 0.040 | 1.61 | 1.29 | -2.03 | 1.30 | 8.08E-03 | C11orf74(dist=245866), LOC103312105(dist=1713107) | intergenic |
| 11 | 8513242 | G | A | rs7933271 | 5.74E-01 | 0.290 | 0.305 | 0.93 | 0.82 | -1.05 | 1.16E-05 | 0.315 | 0.263 | 1.29 | 1.15 | -1.45 | 1.12 | 8.11E-03 | STK33 | intronic |
| 2 | 140171154 | C | T | rs78043311 | 8.82E-01 | 0.083 | 0.086 | 0.97 | 0.8 | -1.18 | 5.04E-05 | 0.059 | 0.082 | 0.69 | 0.56 | -0.86 | 0.82 | 8.19E-03 | YY1P2(dist=514410), LRP1B(dist=817842) | intergenic |
| 4 | 58238701 | G | A | rs73818823 | 6.76E-01 | 0.027 | 0.031 | 0.89 | 0.64 | -1.24 | 3.07E-05 | 0.041 | 0.023 | 1.85 | 1.39 | -2.46 | 1.38 | 8.19E-03 | IGFBP7-AS1(dist=167236), LOC101928851(dist=53337) | intergenic |
| 2 | 196985734 | A | G | rs4014168 | 7.29E-01 | 0.191 | 0.169 | 1.16 | 1.01 | -1.34 | 5.42E-05 | 0.174 | 0.229 | 0.71 | 0.62 | -0.81 | 0.87 | 8.23E-03 | DNAH7(dist=52198), STK17B(dist=12573) | intergenic |
| 16 | 26426788 | G | A | rs34896253 | 6.01E-05 | 0.134 | 0.091 | 1.55 | 1.3 | -1.84 | 8.87E-01 | 0.127 | 0.137 | 0.92 | 0.79 | -1.08 | 1.18 | 8.25E-03 | HS3ST4(dist=277779), C16orf82(dist=651431) | intergenic |
| 5 | 154529922 | G | A | rs17117020 | 9.47E-01 | 0.106 | 0.112 | 0.94 | 0.79 | -1.12 | 5.49E-05 | 0.114 | 0.079 | 1.50 | 1.27 | -1.78 | 1.20 | 8.28E-03 | KIF4B(dist=132237), SGCD(dist=1223845) | intergenic |
| 2 | 220634351 | C | T | rs77276515 | 2.98E-05 | 0.029 | 0.051 | 0.55 | 0.41 | -0.75 | 6.62E-01 | 0.041 | 0.038 | 1.08 | 0.83 | -1.41 | 0.75 | 8.29E-03 | SLC4A3(dist=127649), MIR4268(dist=136872) | intergenic |
| 15 | 27629735 | G | T | rs75307139 | 7.94E-01 | 0.050 | 0.051 | 0.98 | 0.76 | -1.26 | 5.65E-05 | 0.049 | 0.031 | 1.58 | 1.22 | -2.04 | 1.33 | 8.32E-03 | GABRG3 | intronic |
| 14 | 105084994 | A | C | rs11625738 | 6.37E-01 | 0.136 | 0.140 | 1.03 | 0.88 | -1.21 | 3.80E-05 | 0.167 | 0.130 | 0.74 | 0.65 | -0.86 | 0.86 | 8.38E-03 | TMEM179(dist=13897), MIR4710(dist=59037) | intergenic |
| 7 | 54210733 | T | C | rs79120346 | 5.22E-05 | 0.049 | 0.079 | 0.60 | 0.48 | -0.76 | 7.09E-01 | 0.065 | 0.060 | 1.09 | 0.88 | -1.35 | 0.81 | 8.38E-03 | LINC01446(dist=331109), HPVC1(dist=58184) | intergenic |
| 18 | 52878233 | G | A | rs147482428 | 6.24E-01 | 0.059 | 0.066 | 0.89 | 0.71 | -1.12 | 2.79E-05 | 0.076 | 0.049 | 1.59 | 1.3 | -1.96 | 1.26 | 8.38E-03 | LOC101927229(dist=86696), TCF4(dist=11329) | intergenic |
| 19 | 36755708 | T | G | rs141967947 | 6.94E-01 | 0.069 | 0.077 | 0.89 | 0.72 | -1.1 | 3.42E-05 | 0.095 | 0.067 | 1.45 | 1.21 | -1.75 | 1.25 | 8.42E-03 | ZNF146(dist=26033), LOC100134317(dist=46537) | intergenic |
| 2 | 2874131 | C | G | rs934566 | 8.27E-01 | 0.472 | 0.470 | 1.01 | 0.9 | -1.12 | 6.35E-05 | 0.417 | 0.468 | 0.81 | 0.73 | -0.9 | 0.90 | 8.42E-03 | MYT1L(dist=539046), LINC01250(dist=24689) | intergenic |
| 7 | 54211123 | T | G | rs77886507 | 5.28E-05 | 0.049 | 0.079 | 0.60 | 0.48 | -0.76 | 7.07E-01 | 0.065 | 0.060 | 1.09 | 0.88 | -1.35 | 0.81 | 8.46E-03 | LINC01446(dist=331499), HPVC1(dist=57794) | intergenic |
| 15 | 27630264 | C | T | rs78559188 | 8.04E-01 | 0.050 | 0.051 | 0.98 | 0.76 | -1.26 | 5.57E-05 | 0.049 | 0.031 | 1.58 | 1.22 | -2.04 | 1.33 | 8.48E-03 | GABRG3 | intronic |
| 5 | 37983634 | C | T | rs10472296 | 8.84E-01 | 0.439 | 0.439 | 1.00 | 0.9 | -1.12 | 5.96E-05 | 0.384 | 0.426 | 0.84 | 0.75 | -0.93 | 0.90 | 8.49E-03 | GDNF-AS1(dist=107734), EGFLAM(dist=274877) | intergenic |
| 5 | 154529013 | A | G | rs58540801 | 9.38E-01 | 0.106 | 0.112 | 0.94 | 0.79 | -1.12 | 5.50E-05 | 0.115 | 0.079 | 1.50 | 1.27 | -1.78 | 1.20 | 8.49E-03 | KIF4B(dist=131328), SGCD(dist=1224754) | intergenic |
| 11 | 8504500 | G | T | rs57313949 | 4.66E-01 | 0.279 | 0.295 | 0.92 | 0.82 | -1.04 | 4.11E-06 | 0.302 | 0.249 | 1.30 | 1.16 | -1.46 | 1.13 | 8.52E-03 | STK33 | intronic |
| 15 | 77669153 | G | A | rs115606865 | 5.50E-01 | 0.022 | 0.025 | 0.87 | 0.61 | -1.25 | 3.81E-05 | 0.042 | 0.025 | 1.73 | 1.31 | -2.29 | 1.42 | 8.56E-03 | PEAK1 | intronic |
| 16 | 26426207 | C | T | rs11648273 | 6.28E-05 | 0.134 | 0.091 | 1.55 | 1.3 | -1.84 | 8.93E-01 | 0.127 | 0.137 | 0.92 | 0.79 | -1.07 | 1.18 | 8.59E-03 | HS3ST4(dist=277198), C16orf82(dist=652012) | intergenic |
| 16 | 81663793 | G | A | rs7184768 | 7.45E-01 | 0.373 | 0.372 | 1.00 | 0.9 | -1.12 | 4.92E-05 | 0.395 | 0.350 | 1.21 | 1.09 | -1.35 | 1.12 | 8.63E-03 | CMIP | intronic |
| 10 | 36518128 | C | T | rs115674183 | 5.70E-05 | 0.013 | 0.030 | 0.41 | 0.27 | -0.64 | 7.87E-01 | 0.026 | 0.027 | 0.96 | 0.7 | -1.34 | 0.70 | 8.63E-03 | LINC01452(dist=428280), ANKRD30A(dist=896657) | intergenic |
| 1 | 165406711 | T | A | rs74118603 | 3.83E-05 | 0.076 | 0.106 | 0.70 | 0.58 | -0.85 | 8.64E-01 | 0.095 | 0.093 | 1.02 | 0.85 | -1.22 | 0.83 | 8.69E-03 | XRXG | intronic |
| 8 | 5377029 | A | G | rs10100358 | 5.73E-05 | 0.023 | 0.047 | 0.49 | 0.35 | -0.68 | 6.41E-01 | 0.033 | 0.029 | 1.13 | 0.84 | -1.52 | 0.74 | 8.69E-03 | CSMD1(dist=524701), LOC100287015(dist=884048) | intergenic |
| 2 | 80298534 | G | A | rs1484464 | 9.61E-01 | 0.067 | 0.065 | 0.96 | 0.77 | -1.2 | 3.01E-05 | 0.089 | 0.070 | 0.77 | 0.64 | -0.93 | 0.79 | 8.74E-03 | CTNNA2 | intronic |
| 3 | 63982670 | C | T | rs112674299 | 1.88E-01 | 0.177 | 0 | | | | | | | | | | | | | |

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|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 2 | 220636750 | C | G | rs80079790 | 3.03E-05 | 0.030 | 0.052 | 0.57 | 0.42 | -0.76 | 6.60E-01 | 0.041 | 0.038 | 1.08 | 0.83 | -1.41 | 0.75 | 9.05E-03 | SLC4A3(dist=130048), MIR4268(dist=134473) | intergenic |
| 4 | 88307042 | G | A | rs115037129 | 4.43E-01 | 0.020 | 0.024 | 0.82 | 0.56 | -1.2 | 3.21E-05 | 0.039 | 0.021 | 1.91 | 1.42 | -2.56 | 1.43 | 9.08E-03 | HSD17B11 | intronic |
| 2 | 154559734 | C | A | rs74362797 | 7.52E-01 | 0.038 | 0.038 | 0.99 | 0.75 | -1.32 | 6.18E-05 | 0.038 | 0.022 | 1.75 | 1.31 | -2.34 | 1.38 | 9.09E-03 | RPRM(dist=224412), GALNT13(dist=168677) | intergenic |
| 5 | 92199658 | G | A | rs75690877 | 4.14E-05 | 0.083 | 0.121 | 0.66 | 0.55 | -0.79 | 6.02E-01 | 0.102 | 0.094 | 1.09 | 0.92 | -1.3 | 0.84 | 9.10E-03 | ARRDC3-AS1(dist=1483126), NR2F1-AS1(dist=545404) | intergenic |
| 21 | 28302006 | A | G | rs229090 | 2.47E-05 | 0.196 | 0.236 | 0.79 | 0.69 | -0.9 | 7.32E-01 | 0.234 | 0.237 | 0.99 | 0.87 | -1.11 | 0.88 | 9.18E-03 | ADAMTSS5 | intronic |
| 10 | 34537601 | A | G | rs2804541 | 4.52E-05 | 0.358 | 0.428 | 0.74 | 0.66 | -0.83 | 9.45E-01 | 0.361 | 0.351 | 1.05 | 0.94 | -1.17 | 0.89 | 9.22E-03 | PARD3 | intronic |
| 5 | 155751383 | C | G | rs4705003 | 4.67E-05 | 0.100 | 0.065 | 0.62 | 0.51 | -0.76 | 7.92E-01 | 0.081 | 0.089 | 1.11 | 0.92 | -1.35 | 0.82 | 9.34E-03 | KIF4B(dist=1353698), SGCD(dist=2384) | intergenic |
| 12 | 56394954 | A | G | rs773125 | 5.00E-01 | 0.422 | 0.413 | 1.04 | 0.93 | -1.16 | 3.04E-05 | 0.377 | 0.427 | 0.81 | 0.73 | -0.9 | 0.90 | 9.35E-03 | SUOX | intronic |
| 2 | 197026769 | A | G | rs1519601 | 5.72E-01 | 0.188 | 0.164 | 1.18 | 1.02 | -1.36 | 3.86E-05 | 0.177 | 0.235 | 0.70 | 0.61 | -0.8 | 0.87 | 9.37E-03 | STK17B | intronic |
| 21 | 28302558 | T | G | rs7281968 | 2.38E-05 | 0.195 | 0.234 | 0.79 | 0.69 | -0.9 | 7.21E-01 | 0.234 | 0.236 | 0.99 | 0.87 | -1.12 | 0.88 | 9.38E-03 | ADAMTSS5 | intronic |
| 3 | 36819221 | A | T | rs1876470 | 4.78E-01 | 0.122 | 0.129 | 1.06 | 0.9 | -1.25 | 8.59E-06 | 0.166 | 0.130 | 0.75 | 0.65 | -0.86 | 0.85 | 9.44E-03 | DCLK3(dist=37869), TRANK1(dist=49087) | intergenic |
| 21 | 28302906 | G | A | rs2830584 | 2.44E-05 | 0.195 | 0.234 | 0.79 | 0.69 | -0.91 | 7.22E-01 | 0.234 | 0.236 | 0.99 | 0.87 | -1.12 | 0.88 | 9.45E-03 | ADAMTSS5 | intronic |
| 8 | 5654482 | G | A | rs12156005 | 3.80E-05 | 0.136 | 0.098 | 1.45 | 1.22 | -1.72 | 6.56E-01 | 0.110 | 0.117 | 0.93 | 0.79 | -1.1 | 1.19 | 9.47E-03 | CSMD1(dist=802154), LOC100287015(dist=606595) | intergenic |
| 11 | 7854519 | C | T | rs7947347 | 2.00E-01 | 0.438 | 0.462 | 1.10 | 0.98 | -1.23 | 8.37E-07 | 0.505 | 0.435 | 0.76 | 0.68 | -0.84 | 0.90 | 9.50E-03 | OR5P3(dist=7000), OR5E1P(dist=16079) | intergenic |
| 4 | 172005983 | A | G | rs13133786 | 1.13E-05 | 0.049 | 0.070 | 0.67 | 0.53 | -0.85 | 3.88E-01 | 0.052 | 0.056 | 0.93 | 0.74 | -1.18 | 0.80 | 9.54E-03 | LOC100506122(dist=25672), MIR6082(dist=101352) | intergenic |
| 8 | 5957456 | A | G | rs17076034 | 4.62E-01 | 0.175 | 0.191 | 0.90 | 0.78 | -1.04 | 2.25E-06 | 0.217 | 0.168 | 1.38 | 1.21 | -1.57 | 1.15 | 9.54E-03 | CSMD1(dist=1105128), LOC100287015(dist=303621) | intergenic |
| 8 | 5961552 | G | C | rs75241974 | 8.23E-01 | 0.202 | 0.214 | 0.93 | 0.81 | -1.06 | 3.23E-05 | 0.222 | 0.173 | 1.36 | 1.2 | -1.55 | 1.15 | 9.55E-03 | CSMD1(dist=1109224), LOC100287015(dist=299525) | intergenic |
| 11 | 7854821 | A | G | rs10769836 | 1.95E-01 | 0.438 | 0.462 | 1.10 | 0.99 | -1.23 | 7.83E-07 | 0.505 | 0.436 | 0.76 | 0.68 | -0.84 | 0.90 | 9.58E-03 | OR5P3(dist=7302), OR5E1P(dist=15777) | intergenic |
| 8 | 63737164 | C | T | rs7830008 | 8.53E-01 | 0.032 | 0.035 | 0.91 | 0.67 | -1.23 | 4.96E-05 | 0.049 | 0.030 | 1.68 | 1.3 | -2.17 | 1.35 | 9.62E-03 | NKAIN3 | intronic |
| 1 | 165394087 | A | T | rs41419946 | 6.31E-05 | 0.078 | 0.107 | 0.70 | 0.58 | -0.85 | 8.88E-01 | 0.097 | 0.096 | 1.01 | 0.85 | -1.21 | 0.83 | 9.62E-03 | RXRG(NM_001256571:c.-4908T>A) | UTR5 |
| 7 | 54213489 | A | G | rs940465 | 4.00E-05 | 0.103 | 0.145 | 1.48 | 1.25 | -1.76 | 5.64E-01 | 0.116 | 0.107 | 0.91 | 0.77 | -1.07 | 1.18 | 9.63E-03 | LINC01446(dist=333865), HPVC1(dist=55428) | intergenic |
| 4 | 172031172 | G | A | rs17247383 | 5.92E-05 | 0.101 | 0.130 | 0.75 | 0.63 | -0.89 | 6.00E-01 | 0.104 | 0.106 | 0.98 | 0.82 | -1.16 | 0.84 | 9.70E-03 | LOC100506122(dist=50861), MIR6082(dist=76163) | intergenic |
| 5 | 169064548 | C | T | rs264868 | 6.88E-01 | 0.383 | 0.388 | 1.02 | 0.91 | -1.14 | 3.36E-05 | 0.425 | 0.374 | 0.81 | 0.73 | -0.9 | 0.89 | 9.70E-03 | DOCK2 | intronic |
| 4 | 172016463 | A | G | rs35094144 | 1.66E-05 | 0.052 | 0.075 | 0.68 | 0.54 | -0.86 | 4.06E-01 | 0.054 | 0.058 | 0.93 | 0.74 | -1.17 | 0.80 | 9.71E-03 | LOC100506122(dist=36152), MIR6082(dist=90872) | intergenic |
| 6 | 29403656 | A | G | rs116688008 | 5.15E-01 | 0.061 | 0.065 | 0.93 | 0.74 | -1.17 | 2.42E-05 | 0.093 | 0.062 | 1.56 | 1.29 | -1.88 | 1.23 | 9.73E-03 | OR11A1(dist=8147), OR10C1(dist=4060) | intergenic |
| 2 | 156576215 | A | G | rs148835155 | 8.24E-01 | 0.024 | 0.026 | 0.93 | 0.65 | -1.32 | 3.95E-05 | 0.035 | 0.021 | 1.68 | 1.24 | -2.27 | 1.52 | 9.76E-03 | KCNJ3(dist=861351), LOC101929378(dist=300832) | intergenic |
| 1 | 198125006 | C | T | rs60001478 | 1.29E-05 | 0.044 | 0.026 | 1.74 | 1.29 | -2.36 | 5.62E-01 | 0.029 | 0.030 | 0.97 | 0.71 | -1.33 | 1.36 | 9.78E-03 | LHX9(dist=225733), NEK7(dist=1102) | intergenic |
| 9 | 76924650 | C | A | rs11143913 | 3.37E-05 | 0.065 | 0.092 | 0.68 | 0.55 | -0.84 | 5.77E-01 | 0.078 | 0.075 | 1.06 | 0.87 | -1.28 | 0.81 | 9.84E-03 | MIR6130 | ncRNA_intronic |
| 10 | 50450730 | G | A | rs11101057 | 2.67E-06 | 0.149 | 0.091 | 1.75 | 1.47 | -2.07 | 7.25E-01 | 0.146 | 0.160 | 0.89 | 0.77 | -1.03 | 1.19 | 9.96E-03 | C10orf128(dist=54285), C10orf71-AS1(dist=53598) | intergenic |
| 1 | 198153784 | T | A | rs75803260 | 8.92E-06 | 0.040 | 0.022 | 1.82 | 1.32 | -2.5 | 4.88E-01 | 0.026 | 0.027 | 0.95 | 0.69 | -1.32 | 1.38 | 9.98E-03 | NEK7 | intronic |
| 10 | 50436863 | T | A | rs10857448 | 1.65E-06 | 0.157 | 0.098 | 1.72 | 1.46 | -2.03 | 6.62E-01 | 0.152 | 0.167 | 0.89 | 0.77 | -1.03 | 1.19 | 9.99E-03 | C10orf128(dist=40418), C10orf71-AS1(dist=67465) | intergenic |
| 12 | 67140806 | C | T | rs73327093 | 5.81E-05 | 0.039 | 0.067 | 0.57 | 0.44 | -0.74 | 7.68E-01 | 0.052 | 0.048 | 1.08 | 0.85 | -1.37 | 0.79 | 1.00E-02 | GRIP1(dist=67881), LOC102724421(dist=330600) | intergenic |
| 2 | 197002663 | C | T | rs11676514 | 6.27E-01 | 0.187 | 0.163 | 1.18 | 1.02 | -1.36 | 5.66E-05 | 0.177 | 0.235 | 0.70 | 0.62 | -0.8 | 0.87 | 1.01E-02 | STK17B | intronic |
| 3 | 15562246 | A | G | rs4685251 | 4.55E-01 | 0.379 | 0.378 | 0.99 | 0.89 | -1.11 | 1.20E-05 | 0.418 | 0.376 | 0.84 | 0.76 | -0.93 | 0.90 | 1.01E-02 | COLQ | intronic |
| 4 | 81913206 | A | C | rs12186250 | 7.45E-01 | 0.029 | 0.033 | 1.15 | 0.84 | -1.58 | 4.71E-05 | 0.043 | 0.025 | 0.57 | 0.44 | -0.76 | 0.72 | 1.01E-02 | C4orf22(dist=28296), BMP3(dist=38913) | intergenic |
| 8 | 3118840 | A | G | rs7838785 | 7.00E-01 | 0.325 | 0.334 | 1.04 | 0.92 | -1.17 | 3.15E-05 | 0.354 | 0.298 | 0.77 | 0.69 | -0.86 | 0.89 | 1.01E-02 | CSMD1 | intronic |
| 11 | 8495512 | G | C | rs142599164 | 7.77E-01 | 0.035 | 0.037 | 0.95 | 0.71 | -1.27 | 5.50E-05 | 0.056 | 0.038 | 1.49 | 1.17 | -1.88 | 1.33 | 1.02E-02 | STK33 | intronic |
| 7 | 19186465 | C | T | rs10257807 | 6.44E-01 | 0.071 | 0.073 | 0.98 | 0.79 | -1.21 | 4.78E-05 | 0.107 | 0.079 | 1.40 | 1.18 | -1.67 | 1.23 | 1.02E-02 | FERD3L(dist=1421), TWISTNB(dist=548620) | intergenic |
| 15 | 101474902 | G | A | rs74801720 | 3.81E-05 | 0.175 | 0.230 | 0.71 | 0.62 | -0.81 | 5.65E-01 | 0.193 | 0.179 | 1.10 | 0.96 | -1.26 | 0.88 | 1.02E-02 | LRRK1 | intronic |
| 5 | 37999798 | C | T | rs1508839 | 7.20E-01 | 0.356 | 0.352 | 1.02 | 0.91 | -1.14 | 4.48E-05 | 0.304 | 0.349 | 0.81 | 0.73 | -0.91 | 0.90 | 1.03E-02 | GDNF-AS1(dist=123898), EGFLAM(dist=258713) | intergenic |
| 3 | 36824677 | G | A | rs906480 | 6.70E-01 | 0.097 | 0.098 | 1.01 | 0.84 | -1.22 | 3.76E-05 | 0.145 | 0.116 | 0.77 | 0.66 | -0.9 | 0.84 | 1.03E-02 | DCLK3(dist=43325), TRANK1(dist=43631) | intergenic |
| 16 | 84535162 | G | C | rs380010 | 4.66E-01 | 0.223 | 0.200 | 1.15 | 1.01 | -1.31 | 5.62E-05 | 0.197 | 0.253 | 0.72 | 0.64 | -0.82 | 0.87 | 1.03E-02 | TLDC1 | intronic |
| 21 | 28306308 | G | A | rs162497 | 3.81E-05 | 0.186 | 0.223 | 0.80 | 0.69 | -0.91 | 7.54E-01 | 0.220 | 0.224 | 0.98 | 0.86 | -1.11 | 0.88 | 1.04E-02 | ADAMTSS5 | intronic |
| 4 | 5730954 | G | A | rs2276875 | 1.88E-05 | 0.066 | 0.078 | 0.84 | 0.68 | -1.04 | 6.44E-01 | 0.095 | 0.101 | 0.93 | 0.78 | -1.12 | 0.79 | 1.04E-02 | EVC | intronic |
| 10 | 56371176 | G | A | rs1937409 | 4.33E-05 | 0.381 | 0.438 | 1.26 | 1.13 | -1.41 | 9.57E-01 | 0.420 | 0.417 | 0.99 | 0.89 | -1.1 | 1.12 | 1.04E-02 | PCDH15 | intronic |
| 7 | 77990646 | C | G | rs10261582 | 7.56E-01 | 0.195 | 0.192 | 0.98 | 0.85 | -1.13 | 4.10E-05 | 0.161 | 0.201 | 1.31 | 1.14 | -1.51 | 1.15 | 1.05E-02 | MAGI2 | intronic |
| 2 | 197010823 | C | T | rs2271888 | 5.69E-01 | 0.192 | 0.167 | 1.18 | 1.02 | -1.36 | 4.52E-05 | 0.180 | 0.238 | 0.70 | 0.62 | -0.8 | 0.87 | 1.05E-02 | STK17B | intronic |
| 13 | 46728597 | C | A | rs56797349 | 9.89E-01 | 0.035 | 0.037 | 0.94 | 0.7 | -1.26 | 5.70E-05 | 0.037 | 0.022 | 1.70 | 1.27 | -2.29 | 1.46 | 1.05E-02 | LCP1 | intronic |
| 7 | 106650540 | T | C | rs6954575 | 4.12E-06 | 0.178 | 0.139 | 1.35 | 1.16 | -1.56 | 3.54E-01 | 0.145 | 0.151 | 0.95 | 0.82 | -1.11 | 1.16 | 1.05E-02 | PIK3CG(dist=101117), PRKAR2B(dist=34638) | intergenic |
| 11 | 8620053 | A | C | rs117307454 | 5.95E-01 | 0.033 | 0.036 | 0.92 | 0.68 | -1.24 | 5.52E-05 | 0.057 | 0.038 | 1.55 | 1.22 | -1.96 | 1.32 | 1.06E-02 | STK33(dist=4217), TRIM66(dist=13531) | intergenic |
| 8 | 3121192 | C | T | rs6996492 | 7.25E-01 | 0.469 | 0.480 | 1.05 | 0.94 | -1.17 | 5.48E-05 | 0.490 | 0.425 | 0.77 | 0.7 | -0.86 | 0.90 | 1.07E-02 | CSMD1 | intronic |
| 8 | 5398900 | G | A | rs10102121 | 5.78E-05 | 0.024 | 0.047 | 0.49 | 0.36 | -0.68 | 5.42E-01 | 0.032 | 0.028 | 1.15 | 0.86 | -1.56 | 0.74 | 1.07E-02 | CSMD1(dist=546572), LOC100287015(dist=862177) | intergenic |
| 20 | 58267277 | C | T | rs144361651 | 8.49E-01 | 0.038 | 0.040 | 0.95 | 0.72 | -1.26 | 6.26E-05 | 0.045 | 0.026 | 1.72 | 1.31 | -2.26 | 1.35 | 1.07E-02 | PHACTR3 | intronic |
| 6 | 29417198 | C | A | rs114854144 | 5.01E-01 | 0.061 | 0.066 | 0.93 | 0.74 | -1.16 | 2.60E-05 | 0.092 | 0.061 | 1.56 | 1.29 | -1.89 | 1.23 | 1.08E-02 | OR10C1(dist=8444), OR2H1(dist=9032) | intergenic |
| 5 | 61930099 | T | C | rs7735741 | 6.04E-01 | 0.158 | 0.149 | 0.93 | 0.8 | -1.08 | 4.59E-05 | 0.140 | 0.184 | 1.39 | 1.2 | -1.61 | 1.15 | 1.08E-02 | IPO11(dist=5683), HTR1A(dist=1325776) | intergenic |
| 7 | 113505111 | A | T | rs61075694 | 6.43E-01 | 0.308 | 0.314 | 0.97 | 0.86 | -1.1 | 2.98E-05 | 0.352 | 0.303 | 1.25 | 1.12 | -1.39 | 1.12 | 1.08E-02 | LINC00998(dist=746474), PPP1R3A(dist=11771) | intergenic |
| 2 | 196997203 | T | C | rs10931722 | 5.60E-01 | 0.193 | 0.168 | 1.18 | 1.02 | -1.36 | 4.45E-05 | 0.182 | 0.240 | 0.70 | 0.62 | -0.8 | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 9 | 80079180 | G | T | rs62571503 | 6.04E-06 | 0.063 | 0.033 | 1.95 | 1.5 | -2.53 | 6.24E-01 | 0.048 | 0.056 | 0.85 | 0.67 | -1.08 | 1.30 | 1.12E-02 | GNA14-AS1 | ncRNA_intronic |
| 4 | 172004003 | C | T | rs72708451 | 2.23E-05 | 0.051 | 0.073 | 0.68 | 0.54 | -0.86 | 4.03E-01 | 0.054 | 0.057 | 0.93 | 0.74 | -1.17 | 0.81 | 1.13E-02 | LOC100506122(dist=23692), MIR6082(dist=103332) | intergenic |
| 6 | 98173858 | A | G | rs75318248 | 3.00E-05 | 0.076 | 0.054 | 1.45 | 1.16 | -1.81 | 5.74E-01 | 0.054 | 0.053 | 1.01 | 0.8 | -1.27 | 1.29 | 1.13E-02 | LOC101927314(dist=17065), MIR2113(dist=298549) | intergenic |
| 11 | 8522826 | G | C | rs11041953 | 5.72E-01 | 0.263 | 0.276 | 0.93 | 0.83 | -1.06 | 2.66E-05 | 0.294 | 0.245 | 1.28 | 1.14 | -1.44 | 1.12 | 1.14E-02 | STK33 | intronic |
| 14 | 105433947 | C | A | rs115956192 | 6.98E-01 | 0.025 | 0.027 | 0.93 | 0.66 | -1.31 | 2.14E-05 | 0.036 | 0.021 | 1.72 | 1.28 | -2.33 | 1.47 | 1.15E-02 | AHNAK2 | intronic |
| 16 | 76252388 | A | C | rs8059365 | 4.70E-01 | 0.363 | 0.373 | 0.96 | 0.85 | -1.07 | 3.53E-05 | 0.414 | 0.367 | 1.22 | 1.09 | -1.35 | 1.12 | 1.15E-02 | TERF2IP(dist=561047), CNTNAP4(dist=58788) | intergenic |
| 8 | 5963920 | G | C | rs57137549 | 6.18E-01 | 0.190 | 0.205 | 0.91 | 0.79 | -1.04 | 1.75E-05 | 0.217 | 0.166 | 1.39 | 1.22 | -1.58 | 1.14 | 1.18E-02 | CSMD1(dist=1111592), LOC100287015(dist=297157) | intergenic |
| 10 | 131083694 | G | A | rs11016737 | 5.07E-01 | 0.154 | 0.154 | 1.00 | 0.86 | -1.16 | 4.88E-05 | 0.212 | 0.185 | 1.19 | 1.04 | -1.35 | 1.16 | 1.20E-02 | LINC01163(dist=967704), MGMT(dist=181760) | intergenic |
| 8 | 5963616 | G | C | rs57358452 | 6.11E-01 | 0.190 | 0.205 | 0.91 | 0.79 | -1.04 | 1.81E-05 | 0.217 | 0.166 | 1.39 | 1.22 | -1.58 | 1.14 | 1.23E-02 | CSMD1(dist=1111288), LOC100287015(dist=297461) | intergenic |
| 20 | 53284305 | C | T | rs6023475 | 6.01E-01 | 0.218 | 0.217 | 1.00 | 0.87 | -1.14 | 5.21E-05 | 0.165 | 0.202 | 1.28 | 1.12 | -1.47 | 1.13 | 1.24E-02 | DOK5(dist=16595), LINC01441(dist=752569) | intergenic |
| 13 | 91443276 | C | T | rs9515805 | 1.95E-05 | 0.165 | 0.122 | 1.42 | 1.22 | -1.66 | 5.45E-01 | 0.142 | 0.153 | 0.92 | 0.79 | -1.07 | 1.16 | 1.24E-02 | LINC01049(dist=255681), LINC00410(dist=99932) | intergenic |
| 3 | 36825111 | C | T | rs1472861 | 6.44E-01 | 0.098 | 0.099 | 1.01 | 0.84 | -1.22 | 5.46E-05 | 0.140 | 0.112 | 0.78 | 0.66 | -0.9 | 0.84 | 1.25E-02 | DCLK3(dist=43759), TRANK1(dist=43197) | intergenic |
| 10 | 50426639 | G | A | rs7082708 | 5.17E-06 | 0.148 | 0.092 | 1.72 | 1.45 | -2.04 | 7.14E-01 | 0.140 | 0.155 | 0.89 | 0.77 | -1.03 | 1.18 | 1.26E-02 | C10orf128(dist=30194), C10orf71-AS1(dist=77689) | intergenic |
| 5 | 155804141 | A | G | rs1504927 | 4.79E-05 | 0.079 | 0.046 | 0.57 | 0.45 | -0.71 | 7.95E-01 | 0.071 | 0.080 | 1.14 | 0.93 | -1.39 | 0.81 | 1.27E-02 | SGCD | intronic |
| 1 | 66334518 | C | T | rs35825384 | 4.30E-01 | 0.055 | 0.055 | 1.00 | 0.79 | -1.27 | 3.15E-05 | 0.086 | 0.066 | 1.33 | 1.1 | -1.61 | 1.26 | 1.28E-02 | PDE4B | intronic |
| 11 | 8539069 | C | T | rs12226069 | 4.01E-01 | 0.304 | 0.321 | 0.93 | 0.82 | -1.04 | 8.05E-06 | 0.326 | 0.275 | 1.28 | 1.14 | -1.43 | 1.12 | 1.28E-02 | STK33 | intronic |
| 7 | 7848912 | C | T | rs10259199 | 8.10E-01 | 0.252 | 0.265 | 0.94 | 0.83 | -1.06 | 5.90E-05 | 0.302 | 0.255 | 1.27 | 1.13 | -1.42 | 1.13 | 1.28E-02 | UMAD1 | intronic |
| 9 | 80078548 | G | T | rs62571502 | 6.19E-06 | 0.062 | 0.032 | 1.98 | 1.52 | -2.58 | 5.83E-01 | 0.047 | 0.055 | 0.85 | 0.66 | -1.08 | 1.29 | 1.28E-02 | GNA14-AS1 | ncRNA_intronic |
| 20 | 53283184 | T | C | rs2870340 | 5.64E-01 | 0.216 | 0.215 | 0.99 | 0.87 | -1.14 | 4.31E-05 | 0.165 | 0.203 | 1.29 | 1.12 | -1.48 | 1.13 | 1.28E-02 | DOK5(dist=15474), LINC01441(dist=753690) | intergenic |
| 11 | 8537159 | G | T | rs11041955 | 6.45E-01 | 0.249 | 0.259 | 0.95 | 0.83 | -1.07 | 6.24E-05 | 0.279 | 0.233 | 1.27 | 1.13 | -1.43 | 1.12 | 1.30E-02 | STK33 | intronic |
| 18 | 4863799 | G | C | rs8085811 | 6.27E-01 | 0.119 | 0.127 | 0.93 | 0.78 | -1.09 | 1.43E-05 | 0.148 | 0.112 | 1.37 | 1.18 | -1.59 | 1.18 | 1.30E-02 | DLGAP1(dist=408533), C18orf42(dist=279873) | intergenic |
| 13 | 91439462 | A | C | rs9523079 | 1.95E-05 | 0.165 | 0.122 | 1.43 | 1.22 | -1.67 | 5.25E-01 | 0.143 | 0.153 | 0.92 | 0.79 | -1.06 | 1.16 | 1.30E-02 | LINC01049(dist=251867), LINC00410(dist=103746) | intergenic |
| 3 | 70339885 | C | T | rs6766653 | 5.96E-05 | 0.294 | 0.249 | 1.26 | 1.11 | -1.42 | 6.15E-01 | 0.262 | 0.266 | 0.98 | 0.87 | -1.1 | 1.12 | 1.31E-02 | LINC01212(dist=275434), FOXP1(dist=663980) | intergenic |
| 11 | 8492384 | A | T | rs58049051 | 6.58E-01 | 0.033 | 0.036 | 0.92 | 0.69 | -1.25 | 5.19E-05 | 0.055 | 0.037 | 1.51 | 1.19 | -1.92 | 1.32 | 1.31E-02 | STK33 | intronic |
| 11 | 18610041 | C | T | rs61884724 | 2.77E-01 | 0.028 | 0.029 | 0.96 | 0.69 | -1.33 | 1.39E-05 | 0.052 | 0.037 | 1.41 | 1.11 | -1.8 | 1.36 | 1.31E-02 | UEVLD | intronic |
| 10 | 51489215 | C | T | rs2611493 | 2.28E-05 | 0.269 | 0.211 | 1.37 | 1.21 | -1.56 | 7.99E-01 | 0.272 | 0.284 | 0.95 | 0.84 | -1.06 | 1.15 | 1.31E-02 | TIMM23B | intronic |
| 1 | 21719538 | C | G | rs59538708 | 6.16E-01 | 0.084 | 0.080 | 1.05 | 0.86 | -1.28 | 5.44E-05 | 0.074 | 0.098 | 0.73 | 0.61 | -0.89 | 0.81 | 1.33E-02 | ECE1(dist=47504), NBP3(dist=47045) | intergenic |
| 11 | 8545468 | G | A | rs7950041 | 6.06E-01 | 0.258 | 0.271 | 0.93 | 0.82 | -1.06 | 4.27E-05 | 0.280 | 0.233 | 1.28 | 1.14 | -1.44 | 1.12 | 1.33E-02 | STK33 | intronic |
| 18 | 4863506 | C | T | rs73942629 | 6.28E-01 | 0.118 | 0.127 | 0.93 | 0.78 | -1.09 | 1.53E-05 | 0.147 | 0.112 | 1.37 | 1.18 | -1.59 | 1.18 | 1.33E-02 | DLGAP1(dist=408240), C18orf42(dist=280166) | intergenic |
| 11 | 8524933 | T | C | rs61447809 | 3.05E-01 | 0.310 | 0.328 | 0.92 | 0.82 | -1.03 | 4.12E-06 | 0.342 | 0.289 | 1.28 | 1.15 | -1.43 | 1.11 | 1.33E-02 | STK33 | intronic |
| 18 | 4863586 | T | C | rs73942630 | 6.27E-01 | 0.118 | 0.127 | 0.93 | 0.78 | -1.09 | 1.54E-05 | 0.147 | 0.112 | 1.37 | 1.18 | -1.59 | 1.18 | 1.33E-02 | DLGAP1(dist=408320), C18orf42(dist=280086) | intergenic |
| 19 | 58245332 | G | A | rs9676995;rs386811350 | 5.60E-01 | 0.186 | 0.194 | 0.95 | 0.83 | -1.09 | 4.54E-05 | 0.237 | 0.201 | 1.24 | 1.09 | -1.4 | 1.15 | 1.34E-02 | ZNF671(dist=6337), ZNF776(dist=12832) | intergenic |
| 8 | 5971072 | G | A | rs146054152 | 6.04E-01 | 0.137 | 0.147 | 0.92 | 0.79 | -1.08 | 2.08E-05 | 0.156 | 0.121 | 1.34 | 1.15 | -1.55 | 1.19 | 1.35E-02 | CSMD1(dist=1118744), LOC100287015(dist=290005) | intergenic |
| 6 | 29351641 | A | G | rs238873 | 6.28E-05 | 0.083 | 0.121 | 0.66 | 0.54 | -0.79 | 7.32E-01 | 0.109 | 0.102 | 1.07 | 0.91 | -1.27 | 0.85 | 1.35E-02 | OR12D3(dist=8573), OR12D2(dist=12775) | intergenic |
| 21 | 28303523 | G | A | rs151056 | 2.57E-05 | 0.188 | 0.225 | 0.79 | 0.69 | -0.91 | 6.06E-01 | 0.229 | 0.231 | 0.99 | 0.88 | -1.12 | 0.88 | 1.35E-02 | ADAMTS5 | intronic |
| 20 | 53283031 | G | T | rs2904389 | 5.52E-01 | 0.216 | 0.215 | 0.99 | 0.87 | -1.13 | 4.46E-05 | 0.165 | 0.203 | 1.29 | 1.12 | -1.48 | 1.13 | 1.35E-02 | DOK5(dist=15321), LINC01441(dist=753843) | intergenic |
| 7 | 113547890 | T | G | rs7792710 | 7.33E-01 | 0.449 | 0.458 | 1.04 | 0.93 | -1.16 | 6.21E-05 | 0.488 | 0.435 | 0.81 | 0.73 | -0.9 | 0.90 | 1.35E-02 | PPP1R3A | intronic |
| 17 | 39220899 | T | C | rs112293933 | 6.23E-01 | 0.065 | 0.072 | 0.90 | 0.72 | -1.12 | 3.88E-05 | 0.092 | 0.064 | 1.50 | 1.24 | -1.81 | 1.23 | 1.36E-02 | KRTAP2-4 | downstream |
| 16 | 89796010 | G | A | rs7185737 | 6.84E-01 | 0.191 | 0.186 | 0.97 | 0.84 | -1.12 | 2.96E-05 | 0.206 | 0.240 | 1.21 | 1.07 | -1.38 | 1.15 | 1.37E-02 | ZNF276 | intronic |
| 19 | 36753559 | A | G | rs146500904 | 5.82E-01 | 0.065 | 0.073 | 0.88 | 0.71 | -1.09 | 4.86E-05 | 0.091 | 0.064 | 1.45 | 1.2 | -1.76 | 1.24 | 1.37E-02 | ZNF146(dist=23884), LOC100134317(dist=48686) | intergenic |
| 11 | 8489008 | T | C | rs149189806 | 6.63E-01 | 0.033 | 0.036 | 0.93 | 0.69 | -1.25 | 5.44E-05 | 0.053 | 0.036 | 1.52 | 1.19 | -1.93 | 1.32 | 1.38E-02 | STK33 | intronic |
| 15 | 48797307 | A | G | rs25458 | 4.28E-05 | 0.461 | 0.416 | 1.20 | 1.08 | -1.34 | 5.15E-01 | 0.429 | 0.426 | 1.01 | 0.91 | -1.13 | 1.10 | 1.38E-02 | FBN1 | exonic |
| 4 | 58166994 | G | T | rs56062419 | 3.29E-01 | 0.036 | 0.042 | 0.84 | 0.63 | -1.12 | 2.92E-06 | 0.049 | 0.027 | 1.85 | 1.42 | -2.4 | 1.31 | 1.39E-02 | IGFBP7-AS1(dist=95529), LOC101928851(dist=125044) | intergenic |
| 16 | 11424058 | A | G | rs112743879 | 4.17E-05 | 0.290 | 0.231 | 1.36 | 1.2 | -1.54 | 7.46E-01 | 0.269 | 0.284 | 0.93 | 0.82 | -1.04 | 1.13 | 1.41E-02 | PRM1(dist=48866), RMI2(dist=15237) | intergenic |
| 13 | 91436557 | C | T | rs7993405 | 1.95E-05 | 0.165 | 0.122 | 1.43 | 1.22 | -1.67 | 5.00E-01 | 0.142 | 0.153 | 0.92 | 0.79 | -1.06 | 1.16 | 1.42E-02 | LINC01049(dist=248962), LINC00410(dist=106651) | intergenic |
| 11 | 7856650 | C | T | rs10769839 | 1.76E-01 | 0.428 | 0.452 | 1.10 | 0.99 | -1.23 | 1.37E-06 | 0.499 | 0.431 | 0.76 | 0.69 | -0.85 | 0.91 | 1.42E-02 | OR5P3(dist=9131), OR5E1P(dist=13948) | intergenic |
| 10 | 51533376 | C | T | rs9787697 | 4.12E-05 | 0.240 | 0.182 | 1.43 | 1.25 | -1.63 | 9.00E-01 | 0.218 | 0.227 | 0.95 | 0.84 | -1.07 | 1.13 | 1.42E-02 | TIMM23B | intronic |
| 11 | 7857076 | G | A | rs10769841 | 1.75E-01 | 0.428 | 0.452 | 1.10 | 0.99 | -1.23 | 1.37E-06 | 0.499 | 0.431 | 0.76 | 0.69 | -0.84 | 0.91 | 1.43E-02 | OR5P3(dist=9557), OR5E1P(dist=13522) | intergenic |
| 4 | 157132561 | G | A | rs114144144 | 3.80E-05 | 0.077 | 0.053 | 1.49 | 1.19 | -1.86 | 2.18E-01 | 0.049 | 0.055 | 0.89 | 0.7 | -1.13 | 1.28 | 1.44E-02 | CTSO(dist=257513), PDGFC(dist=550202) | intergenic |
| 10 | 32600462 | C | A | rs2505414 | 1.20E-05 | 0.240 | 0.175 | 1.50 | 1.31 | -1.71 | 7.08E-01 | 0.227 | 0.244 | 0.91 | 0.81 | -1.03 | 1.14 | 1.45E-02 | EPC1 | intronic |
| 13 | 91426634 | T | C | rs9523076 | 2.16E-05 | 0.164 | 0.121 | 1.42 | 1.21 | -1.66 | 5.18E-01 | 0.143 | 0.154 | 0.92 | 0.79 | -1.07 | 1.16 | 1.45E-02 | LINC01049(dist=239039), LINC00410(dist=116574) | intergenic |
| 13 | 91434604 | A | T | rs9515803 | 2.04E-05 | 0.165 | 0.122 | 1.43 | 1.22 | -1.67 | 4.98E-01 | 0.143 | 0.154 | 0.92 | 0.79 | -1.06 | 1.15 | 1.47E-02 | LINC01049(dist=247009), LINC00410(dist=108604) | intergenic |
| 1 | 198257324 | A | G | rs58740678 | 7.04E-06 | 0.044 | 0.025 | 1.79 | 1.32 | -2.42 | 3.45E-01 | 0.028 | 0.030 | 0.92 | 0.67 | -1.26 | 1.34 | 1.47E-02 | NEK7 | intronic |
| 3 | 81362670 | A | G | rs7646047 | 5.84E-01 | 0.113 | 0.123 | 0.91 | 0.77 | -1.08 | 5.68E-05 | 0.140 | 0.104 | 1.40 | 1.2 | -1.64 | 1.17 | 1.47E-02 | ROBO1(dist=1545611), GBE1(dist=176180) | intergenic |
| 11 | 7810270 | T | G | rs77359649 | 3.22E-01 | 0.459 | 0.480 | 0.92 | 0.82 | -1.02 | 8.57E-06 | 0.508 | 0.445 | 1.29 | 1.16 | -1.43 | 1.11 | 1.49E-02 | OVCH2(dist=82329), OR5P2(dist=7251) | intergenic |
| 13 | 91430926 | G | C | rs12877329 | 2.33E-05 | 0.165 | 0.122 | 1.42 | 1.22 | -1.66 | 5.08E-01 | 0.142 | 0.153 | 0.92 | 0.79 | -1.06 | 1.15 | 1.50E-02 | LINC01049(dist=243331), LINC00410(dist=112282) | intergenic |
| 13 | 91429074 | A | G | rs9515801 | 2.37E-05 | | | | | | | | | | | | | | | |

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|----|-----------|---|---|-------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 12 | 56393337 | C | G | rs1081975 | 4.18E-01 | 0.445 | 0.435 | 1.04 | 0.93 | -1.17 | 5.07E-05 | 0.396 | 0.447 | 0.81 | 0.73 | -0.9 | 0.91 | 1.53E-02 | SUOX | intronic |
| 4 | 172028775 | C | A | rs35867911 | 1.95E-05 | 0.055 | 0.078 | 0.69 | 0.55 | -0.87 | 3.12E-01 | 0.057 | 0.060 | 0.95 | 0.76 | -1.19 | 0.81 | 1.53E-02 | LOC100506122(dist=48464), MIR6082(dist=78560) | intergenic |
| 13 | 91424528 | G | A | rs9523072 | 2.40E-05 | 0.164 | 0.121 | 1.42 | 1.22 | -1.66 | 5.04E-01 | 0.143 | 0.154 | 0.92 | 0.79 | -1.06 | 1.15 | 1.54E-02 | LINC01049(dist=236933), LINC00410(dist=118680) | intergenic |
| 12 | 67117776 | A | C | rs73327057 | 4.62E-05 | 0.031 | 0.057 | 0.52 | 0.39 | -0.7 | 5.59E-01 | 0.050 | 0.045 | 1.12 | 0.88 | -1.43 | 0.79 | 1.54E-02 | GRIP1(dist=44851), LOC1102724421(dist=353630) | intergenic |
| 3 | 109043846 | G | A | rs144630234 | 6.50E-01 | 0.039 | 0.044 | 0.90 | 0.68 | -1.18 | 4.52E-05 | 0.054 | 0.035 | 1.56 | 1.23 | -1.99 | 1.31 | 1.54E-02 | DPPA2(dist=8482), DPPA4(dist=1142) | intergenic |
| 6 | 29351136 | C | T | rs238874 | 5.65E-05 | 0.082 | 0.121 | 0.65 | 0.54 | -0.79 | 6.57E-01 | 0.108 | 0.100 | 1.09 | 0.92 | -1.29 | 0.85 | 1.54E-02 | OR12D3(dist=8068), OR12D2(dist=13280) | intergenic |
| 7 | 106651787 | C | T | rs10234225 | 1.29E-06 | 0.186 | 0.144 | 1.36 | 1.17 | -1.57 | 1.51E-01 | 0.141 | 0.152 | 0.92 | 0.79 | -1.06 | 1.15 | 1.54E-02 | PIK3CG(dist=102364), PRKAR2B(dist=33391) | intergenic |
| 6 | 32456928 | C | T | rs76224106 | 4.40E-05 | 0.102 | 0.129 | 0.77 | 0.64 | -0.91 | 6.25E-01 | 0.120 | 0.121 | 0.99 | 0.85 | -1.17 | 0.82 | 1.55E-02 | HLA-DRA(dist=44102), HLA-DRB5(dist=28226) | intergenic |
| 20 | 2112292 | C | T | rs116135359 | 8.33E-01 | 0.040 | 0.042 | 0.94 | 0.71 | -1.24 | 4.88E-05 | 0.042 | 0.024 | 1.78 | 1.34 | -2.35 | 1.33 | 1.55E-02 | STK35 | intronic |
| 13 | 91424214 | T | C | rs9301691 | 2.44E-05 | 0.164 | 0.121 | 1.42 | 1.22 | -1.66 | 5.05E-01 | 0.143 | 0.154 | 0.92 | 0.79 | -1.06 | 1.15 | 1.55E-02 | LINC01049(dist=236619), LINC00410(dist=118994) | intergenic |
| 20 | 53284144 | A | C | rs6023474 | 5.40E-01 | 0.214 | 0.212 | 0.99 | 0.87 | -1.13 | 5.31E-05 | 0.159 | 0.196 | 1.29 | 1.12 | -1.48 | 1.13 | 1.55E-02 | DOK5(dist=16434), LINC01441(dist=752730) | intergenic |
| 3 | 36825533 | G | A | rs1472863 | 5.98E-01 | 0.093 | 0.096 | 1.03 | 0.86 | -1.25 | 5.50E-05 | 0.140 | 0.112 | 0.78 | 0.67 | -0.9 | 0.85 | 1.56E-02 | DCLK3(dist=44181), TRANK1(dist=42775) | intergenic |
| 13 | 91423971 | T | A | rs9301690 | 2.48E-05 | 0.164 | 0.121 | 1.42 | 1.22 | -1.66 | 5.05E-01 | 0.143 | 0.154 | 0.92 | 0.79 | -1.06 | 1.15 | 1.56E-02 | LINC01049(dist=236376), LINC00410(dist=119237) | intergenic |
| 19 | 16087057 | C | T | rs28739565 | 4.27E-05 | 0.317 | 0.273 | 1.23 | 1.09 | -1.39 | 2.93E-01 | 0.242 | 0.242 | 1.00 | 0.89 | -1.13 | 1.13 | 1.56E-02 | OR10H4(dist=26289), LINC00661(dist=39387) | intergenic |
| 1 | 108581907 | G | A | rs4626916 | 6.67E-01 | 0.407 | 0.412 | 0.98 | 0.87 | -1.09 | 6.17E-05 | 0.432 | 0.386 | 1.21 | 1.09 | -1.35 | 1.11 | 1.56E-02 | VAV3-AS1(dist=44678), SLC25A24(dist=95437) | intergenic |
| 13 | 91423878 | A | C | rs9301689 | 2.49E-05 | 0.164 | 0.121 | 1.42 | 1.22 | -1.66 | 5.05E-01 | 0.143 | 0.154 | 0.92 | 0.79 | -1.06 | 1.15 | 1.56E-02 | LINC01049(dist=236283), LINC00410(dist=119330) | intergenic |
| 11 | 7810326 | G | A | rs113537757 | 3.23E-01 | 0.463 | 0.485 | 0.92 | 0.82 | -1.02 | 1.08E-05 | 0.516 | 0.452 | 1.29 | 1.16 | -1.43 | 1.10 | 1.57E-02 | OVCH2(dist=82385), OR5P2(dist=7195) | intergenic |
| 11 | 8463014 | G | A | rs7130983 | 7.07E-01 | 0.023 | 0.025 | 0.92 | 0.64 | -1.32 | 6.43E-05 | 0.035 | 0.021 | 1.70 | 1.26 | -2.31 | 1.42 | 1.58E-02 | STK33 | intronic |
| 8 | 3119065 | G | A | rs7820340 | 6.20E-01 | 0.312 | 0.322 | 1.04 | 0.93 | -1.17 | 5.62E-05 | 0.338 | 0.284 | 0.78 | 0.7 | -0.87 | 0.90 | 1.59E-02 | CSMD1 | intronic |
| 10 | 52002204 | C | A | rs7076242 | 6.21E-05 | 0.539 | 0.465 | 0.74 | 0.67 | -0.83 | 8.83E-01 | 0.489 | 0.478 | 1.04 | 0.94 | -1.16 | 0.90 | 1.59E-02 | ASAH2 | intronic |
| 11 | 8520408 | G | A | rs7118501 | 3.08E-01 | 0.309 | 0.327 | 0.92 | 0.82 | -1.03 | 6.29E-06 | 0.339 | 0.287 | 1.28 | 1.14 | -1.43 | 1.11 | 1.59E-02 | STK33 | intronic |
| 10 | 51532751 | G | A | rs4630241 | 6.25E-05 | 0.243 | 0.184 | 1.42 | 1.24 | -1.62 | 9.21E-01 | 0.219 | 0.228 | 0.95 | 0.84 | -1.08 | 1.13 | 1.60E-02 | TIMM23B | intronic |
| 5 | 3353173 | A | T | rs116319755 | 7.95E-01 | 0.040 | 0.043 | 0.94 | 0.71 | -1.23 | 5.66E-05 | 0.053 | 0.035 | 1.56 | 1.22 | -1.99 | 1.34 | 1.60E-02 | LINC01377(dist=171827), LINC01019(dist=64093) | intergenic |
| 4 | 92464138 | C | G | rs9995601 | 3.11E-01 | 0.078 | 0.087 | 0.89 | 0.73 | -1.09 | 1.50E-05 | 0.113 | 0.078 | 1.51 | 1.27 | -1.79 | 1.19 | 1.61E-02 | CCSER1 | intronic |
| 21 | 40392366 | T | C | rs73366874 | 3.21E-05 | 0.172 | 0.218 | 0.75 | 0.65 | -0.86 | 4.01E-01 | 0.187 | 0.176 | 1.08 | 0.95 | -1.24 | 0.88 | 1.62E-02 | LOC101928435(dist=42666), PSMG1(dist=155006) | intergenic |
| 8 | 3117292 | G | A | rs1444615 | 3.40E-01 | 0.311 | 0.327 | 1.08 | 0.96 | -1.21 | 5.52E-06 | 0.350 | 0.290 | 0.76 | 0.68 | -0.85 | 0.90 | 1.63E-02 | CSMD1 | intronic |
| 15 | 48796337 | C | T | rs12904033 | 4.37E-05 | 0.469 | 0.423 | 1.21 | 1.08 | -1.35 | 4.47E-01 | 0.419 | 0.416 | 1.01 | 0.91 | -1.12 | 1.10 | 1.64E-02 | FBN1 | intronic |
| 6 | 32523492 | G | C | rs115839012 | 2.44E-05 | 0.044 | 0.059 | 0.73 | 0.57 | -0.95 | 1.34E-02 | 0.055 | 0.071 | 0.76 | 0.61 | -0.95 | 0.69 | 1.66E-02 | HLA-DRB6 | ncRNA_intronic |
| 5 | 66021794 | T | G | rs57098301 | 5.02E-05 | 0.036 | 0.020 | 1.80 | 1.29 | -2.51 | 6.64E-01 | 0.026 | 0.027 | 0.95 | 0.69 | -1.32 | 1.37 | 1.66E-02 | MAST4 | intronic |
| 13 | 110624272 | G | A | rs35384359 | 4.12E-05 | 0.092 | 0.111 | 0.82 | 0.68 | -0.98 | 7.76E-01 | 0.143 | 0.152 | 0.93 | 0.8 | -1.08 | 0.86 | 1.66E-02 | IRS2(dist=185358), LINC00396(dist=81360) | intergenic |
| 10 | 31856588 | G | T | rs10740846 | 7.13E-06 | 0.148 | 0.094 | 0.60 | 0.51 | -0.71 | 5.49E-01 | 0.136 | 0.150 | 1.12 | 0.97 | -1.3 | 0.84 | 1.66E-02 | ZEB1(dist=37846), ARHGAP12(dist=237738) | intergenic |
| 11 | 8504936 | C | T | rs2028881 | 3.81E-01 | 0.252 | 0.268 | 0.92 | 0.81 | -1.04 | 1.27E-05 | 0.286 | 0.237 | 1.29 | 1.15 | -1.45 | 1.12 | 1.67E-02 | STK33 | intronic |
| 18 | 27098396 | C | A | rs138129352 | 6.55E-01 | 0.029 | 0.033 | 0.90 | 0.66 | -1.24 | 3.10E-05 | 0.037 | 0.021 | 1.81 | 1.34 | -2.44 | 1.38 | 1.70E-02 | CDH2(dist=1340951), MIR302F(dist=780480) | intergenic |
| 13 | 91425454 | T | C | rs9523075 | 2.95E-05 | 0.164 | 0.122 | 1.42 | 1.21 | -1.66 | 5.02E-01 | 0.143 | 0.154 | 0.92 | 0.79 | -1.06 | 1.15 | 1.70E-02 | LINC01049(dist=237859), LINC00410(dist=117754) | intergenic |
| 8 | 62284796 | T | C | rs111580622 | 6.08E-01 | 0.048 | 0.055 | 0.86 | 0.67 | -1.1 | 3.86E-05 | 0.065 | 0.041 | 1.63 | 1.3 | -2.04 | 1.26 | 1.71E-02 | CLVS1 | intronic |
| 4 | 172004471 | C | T | rs1508295 | 5.33E-05 | 0.054 | 0.075 | 0.71 | 0.56 | -0.89 | 4.03E-01 | 0.054 | 0.057 | 0.93 | 0.74 | -1.17 | 0.82 | 1.71E-02 | LOC100506122(dist=24160), MIR6082(dist=102864) | intergenic |
| 2 | 102960281 | C | G | rs3821204 | 4.24E-01 | 0.101 | 0.086 | 1.19 | 0.99 | -1.43 | 4.12E-05 | 0.080 | 0.120 | 0.64 | 0.53 | -0.77 | 0.85 | 1.72E-02 | IL1RL1 | UTR3 |
| 2 | 102960007 | G | A | rs12905 | 4.24E-01 | 0.101 | 0.086 | 1.19 | 0.99 | -1.44 | 4.14E-05 | 0.080 | 0.119 | 0.64 | 0.53 | -0.77 | 0.85 | 1.73E-02 | IL1RL1 | UTR3 |
| 20 | 53283487 | A | G | rs6068935 | 4.95E-01 | 0.216 | 0.213 | 0.98 | 0.86 | -1.12 | 5.21E-05 | 0.161 | 0.199 | 1.29 | 1.12 | -1.48 | 1.13 | 1.74E-02 | DOK5(dist=15777), LINC01441(dist=753387) | intergenic |
| 5 | 168832600 | A | T | rs76135517 | 3.18E-01 | 0.075 | 0.085 | 0.88 | 0.72 | -1.08 | 1.55E-06 | 0.088 | 0.059 | 1.54 | 1.27 | -1.87 | 1.26 | 1.74E-02 | SLIT3(dist=104467), SPDL1(dist=178038) | intergenic |
| 13 | 91420787 | A | C | rs7330481 | 3.27E-05 | 0.164 | 0.122 | 1.41 | 1.21 | -1.65 | 5.06E-01 | 0.144 | 0.155 | 0.92 | 0.79 | -1.06 | 1.15 | 1.75E-02 | LINC01049(dist=233192), LINC00410(dist=122421) | intergenic |
| 10 | 51489367 | C | T | rs2843566 | 3.37E-05 | 0.269 | 0.214 | 1.35 | 1.19 | -1.54 | 7.18E-01 | 0.269 | 0.281 | 0.94 | 0.84 | -1.06 | 1.15 | 1.75E-02 | TIMM23B | intronic |
| 6 | 75030959 | C | A | rs4708145 | 5.84E-01 | 0.445 | 0.447 | 0.99 | 0.89 | -1.11 | 5.97E-05 | 0.387 | 0.423 | 0.86 | 0.78 | -0.96 | 0.90 | 1.76E-02 | LOC101928516 | ncRNA_intronic |
| 13 | 91422002 | C | T | rs7336900 | 3.54E-05 | 0.162 | 0.121 | 1.41 | 1.21 | -1.65 | 5.19E-01 | 0.143 | 0.154 | 0.92 | 0.79 | -1.06 | 1.15 | 1.76E-02 | LINC01049(dist=234407), LINC00410(dist=121206) | intergenic |
| 6 | 22451352 | G | A | rs143469084 | 5.98E-05 | 0.095 | 0.071 | 1.38 | 1.13 | -1.68 | 5.44E-01 | 0.066 | 0.065 | 1.01 | 0.81 | -1.24 | 1.21 | 1.76E-02 | PRL(dist=148270), HDGF11(dist=118326) | intergenic |
| 14 | 80796367 | T | A | rs2371289 | 4.35E-01 | 0.189 | 0.183 | 1.04 | 0.91 | -1.2 | 6.39E-05 | 0.251 | 0.227 | 1.14 | 1.01 | -1.29 | 1.13 | 1.77E-02 | DIO2-AS1 | ncRNA_intronic |
| 15 | 48789634 | T | C | rs140605 | 4.59E-05 | 0.408 | 0.454 | 1.21 | 1.08 | -1.35 | 4.47E-01 | 0.461 | 0.463 | 1.01 | 0.91 | -1.12 | 1.10 | 1.77E-02 | FBN1 | intronic |
| 6 | 28840184 | G | A | rs9257307 | 5.66E-05 | 0.052 | 0.083 | 0.60 | 0.48 | -0.75 | 6.30E-01 | 0.076 | 0.071 | 1.06 | 0.87 | -1.3 | 0.82 | 1.78E-02 | LOC401242(dist=8730), HCG14(dist=24123) | intergenic |
| 8 | 62266177 | G | A | rs115875046 | 6.27E-01 | 0.049 | 0.057 | 0.87 | 0.68 | -1.11 | 2.93E-05 | 0.065 | 0.041 | 1.63 | 1.3 | -2.04 | 1.26 | 1.80E-02 | CLVS1 | intronic |
| 2 | 158814154 | C | T | rs13032042 | 2.27E-01 | 0.027 | 0.028 | 0.98 | 0.7 | -1.36 | 1.14E-05 | 0.049 | 0.033 | 1.52 | 1.18 | -1.96 | 1.34 | 1.80E-02 | ACVR1(dist=81780), UPP2(dist=37537) | intergenic |
| 14 | 30734839 | C | A | rs4981743 | 4.40E-01 | 0.214 | 0.208 | 1.04 | 0.91 | -1.19 | 3.07E-05 | 0.174 | 0.213 | 0.78 | 0.68 | -0.89 | 0.89 | 1.82E-02 | PRKD1(dist=337940), G2E3(dist=293490) | intergenic |
| 2 | 102965332 | G | C | rs17027006 | 4.10E-01 | 0.101 | 0.086 | 1.19 | 0.99 | -1.44 | 4.36E-05 | 0.080 | 0.119 | 0.64 | 0.53 | -0.77 | 0.85 | 1.82E-02 | IL1RL1 | intronic |
| 7 | 113522662 | T | C | rs35436835 | 5.06E-01 | 0.307 | 0.316 | 0.96 | 0.85 | -1.08 | 4.42E-05 | 0.340 | 0.292 | 1.25 | 1.12 | -1.4 | 1.11 | 1.83E-02 | PPP1R3A | intronic |
| 7 | 113524668 | T | C | rs59437547 | 5.04E-01 | 0.307 | 0.315 | 0.96 | 0.85 | -1.08 | 4.39E-05 | 0.340 | 0.292 | 1.25 | 1.12 | -1.4 | 1.11 | 1.84E-02 | PPP1R3A | intronic |
| 11 | 8504174 | C | G | rs12806736 | 5.31E-01 | 0.329 | 0.337 | 0.96 | 0.86 | -1.08 | 6.35E-05 | 0.361 | 0.319 | 1.20 | 1.08 | -1.34 | 1.11 | 1.84E-02 | STK33 | intronic |
| 2 | 102965871 | C | T | rs12469506 | 4.00E-01 | 0.101 | 0.086 | 1.20 | 0.99 | -1.44 | 4.33E-05 | 0.080 | 0.119 | 0.64 | 0.53 | -0.77 | 0.85 | 1.85E-02 | IL1RL1 | intronic |
| 11 | 7857526 | G | C | rs2361060 | 9.43E-02 | 0.447 | 0.476 | 1.13 | 1.01 | -1.26 | 5.83E-07 | 0.517 | 0.447 | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 10 | 51535931 | T | C | rs10763539 | 5.05E-05 | 0.238 | 0.182 | 1.40 | 1.23 | -1.6 | 8.35E-01 | 0.218 | 0.227 | 0.94 | 0.83 | -1.07 | 1.13 | 1.89E-02 | TIMM23B | intronic |
| 10 | 50409099 | G | A | rs12570293 | 2.29E-05 | 0.101 | 0.058 | 1.83 | 1.49 | -2.24 | 7.58E-01 | 0.098 | 0.106 | 0.92 | 0.77 | -1.09 | 1.20 | 1.91E-02 | C10orf128(dist=12654), C10orf71-AS1(dist=95229) | intergenic |
| 2 | 102969807 | C | T | rs67723747 | 3.81E-01 | 0.099 | 0.083 | 1.21 | 1 | -1.47 | 4.44E-05 | 0.079 | 0.119 | 0.64 | 0.53 | -0.77 | 0.85 | 1.93E-02 | IL1RL1(dist=1310), IL18R1(dist=2936) | intergenic |
| 6 | 29356046 | G | A | rs47111185 | 2.67E-01 | 0.189 | 0.193 | 0.98 | 0.85 | -1.12 | 1.11E-05 | 0.225 | 0.191 | 1.23 | 1.08 | -1.39 | 1.13 | 1.94E-02 | OR12D3(dist=12978), OR12D2(dist=8370) | intergenic |
| 7 | 113535598 | T | C | rs73716343 | 4.72E-01 | 0.304 | 0.313 | 0.96 | 0.85 | -1.08 | 3.67E-05 | 0.338 | 0.290 | 1.25 | 1.12 | -1.4 | 1.11 | 1.94E-02 | PPP1R3A | intronic |
| 6 | 29304547 | A | G | rs3130804 | 4.12E-05 | 0.043 | 0.073 | 0.57 | 0.44 | -0.73 | 5.62E-01 | 0.070 | 0.063 | 1.11 | 0.91 | -1.37 | 0.82 | 1.96E-02 | OR14J1(dist=29115), OR5V1(dist=18460) | intergenic |
| 1 | 66364465 | G | T | rs12750939 | 4.59E-01 | 0.077 | 0.074 | 1.04 | 0.85 | -1.28 | 4.42E-05 | 0.124 | 0.105 | 1.20 | 1.02 | -1.41 | 1.20 | 1.97E-02 | PDE4B | intronic |
| 14 | 80803552 | T | C | rs200592478;rs12888896 | 2.30E-01 | 0.162 | 0.164 | 0.99 | 0.85 | -1.15 | 9.05E-06 | 0.214 | 0.188 | 1.17 | 1.03 | -1.34 | 1.15 | 1.97E-02 | DIO2-AS1 | ncRNA_intronic |
| 11 | 7810979 | C | T | rs11499957 | 2.41E-01 | 0.436 | 0.458 | 0.91 | 0.82 | -1.02 | 7.69E-06 | 0.255 | 0.430 | 1.28 | 1.16 | -1.42 | 1.10 | 1.97E-02 | OVCH2(dist=83038), OR5P2(dist=6542) | intergenic |
| 3 | 63853423 | T | C | rs832192 | 1.40E-01 | 0.149 | 0.168 | 1.15 | 0.99 | -1.34 | 1.89E-06 | 0.198 | 0.153 | 0.73 | 0.64 | -0.84 | 0.88 | 1.98E-02 | ATXN7 | intronic |
| 8 | 62270018 | T | G | rs7007732;rs551024976 | 5.23E-01 | 0.047 | 0.055 | 0.85 | 0.66 | -1.09 | 2.97E-05 | 0.065 | 0.041 | 1.63 | 1.3 | -2.04 | 1.26 | 1.98E-02 | CLVS1 | intronic |
| 3 | 73447726 | G | T | rs78795849 | 3.33E-01 | 0.090 | 0.102 | 0.88 | 0.73 | -1.06 | 7.38E-06 | 0.108 | 0.074 | 1.51 | 1.27 | -1.8 | 1.18 | 1.99E-02 | PDZRN3 | intronic |
| 11 | 18542538 | C | G | rs11024696 | 3.57E-01 | 0.066 | 0.070 | 0.95 | 0.76 | -1.18 | 2.79E-05 | 0.091 | 0.070 | 1.34 | 1.12 | -1.62 | 1.21 | 1.99E-02 | TSG101 | intronic |
| 16 | 88050653 | T | C | rs6540149 | 2.89E-05 | 0.436 | 0.359 | 1.38 | 1.23 | -1.54 | 5.61E-01 | 0.515 | 0.482 | 0.88 | 0.79 | -0.97 | 1.10 | 2.01E-02 | BANP | intronic |
| 16 | 77342569 | A | C | rs10514413 | 4.30E-05 | 0.028 | 0.048 | 0.58 | 0.43 | -0.79 | 5.53E-01 | 0.037 | 0.035 | 1.08 | 0.81 | -1.42 | 0.77 | 2.02E-02 | ADAMTS18 | intronic |
| 2 | 158802857 | T | C | rs35211699 | 3.07E-01 | 0.027 | 0.027 | 1.01 | 0.72 | -1.41 | 2.42E-05 | 0.045 | 0.030 | 1.53 | 1.17 | -1.99 | 1.34 | 2.02E-02 | ACVR1(dist=70483), UPP2(dist=48834) | intergenic |
| 10 | 131147153 | G | A | rs10829593 | 2.73E-01 | 0.192 | 0.199 | 0.96 | 0.83 | -1.1 | 1.99E-05 | 0.255 | 0.224 | 1.19 | 1.05 | -1.34 | 1.14 | 2.03E-02 | LINC01163(dist=1031167), MGMT(dist=118301) | intergenic |
| 15 | 91493972 | G | A | rs78738339 | 2.72E-01 | 0.029 | 0.034 | 0.84 | 0.61 | -1.15 | 8.05E-07 | 0.045 | 0.029 | 1.59 | 1.22 | -2.07 | 1.38 | 2.03E-02 | UNC45A | intronic |
| 7 | 113515745 | T | C | rs2974941 | 4.69E-01 | 0.304 | 0.313 | 0.96 | 0.85 | -1.08 | 4.47E-05 | 0.340 | 0.292 | 1.25 | 1.12 | -1.4 | 1.11 | 2.04E-02 | LINC00998(dist=757108), PPP1R3A(dist=1137) | intergenic |
| 7 | 113516616 | T | C | rs2968845 | 4.68E-01 | 0.304 | 0.313 | 1.04 | 0.93 | -1.18 | 4.58E-05 | 0.339 | 0.291 | 0.80 | 0.72 | -0.89 | 0.90 | 2.06E-02 | PPP1R3A | downstream |
| 2 | 63268355 | T | C | rs12620918 | 3.60E-01 | 0.127 | 0.116 | 1.10 | 0.93 | -1.3 | 4.97E-05 | 0.114 | 0.152 | 0.72 | 0.61 | -0.84 | 0.87 | 2.07E-02 | EHBP1 | intronic |
| 2 | 172376961 | G | A | rs72884317 | 1.84E-01 | 0.024 | 0.023 | 1.02 | 0.71 | -1.46 | 5.38E-06 | 0.043 | 0.029 | 1.52 | 1.16 | -1.99 | 1.40 | 2.09E-02 | DCAF17(dist=35399), CYBRD1(dist=1796) | intergenic |
| 11 | 88082778 | A | G | rs7116555 | 5.66E-06 | 0.188 | 0.152 | 1.29 | 1.11 | -1.49 | 2.45E-01 | 0.161 | 0.162 | 0.99 | 0.86 | -1.14 | 1.14 | 2.10E-02 | CTSC(dist=11837), GRM5(dist=154966) | intergenic |
| 4 | 58248526 | T | A | rs61357246 | 5.09E-01 | 0.029 | 0.033 | 0.87 | 0.63 | -1.2 | 3.14E-05 | 0.040 | 0.022 | 1.84 | 1.38 | -2.45 | 1.32 | 2.10E-02 | IGFBP7-AS1(dist=177061), LOC101928851(dist=43512) | intergenic |
| 4 | 15986168 | T | A | rs56331443 | 4.12E-01 | 0.028 | 0.028 | 0.98 | 0.71 | -1.37 | 5.31E-05 | 0.037 | 0.026 | 1.46 | 1.09 | -1.94 | 1.40 | 2.10E-02 | PROM1 | intronic |
| 5 | 85771172 | C | T | rs1546254;rs543811812 | 5.50E-01 | 0.079 | 0.085 | 1.08 | 0.88 | -1.32 | 3.23E-05 | 0.097 | 0.072 | 0.72 | 0.6 | -0.86 | 0.82 | 2.11E-02 | NBPF22P(dist=177807), COX7C(dist=142612) | intergenic |
| 11 | 88069563 | C | A | rs150232776 | 4.37E-05 | 0.068 | 0.047 | 1.48 | 1.17 | -1.87 | 4.47E-01 | 0.061 | 0.061 | 1.00 | 0.8 | -1.24 | 1.24 | 2.12E-02 | CTSC | intronic |
| 7 | 113520262 | C | T | rs11973095 | 4.63E-01 | 0.304 | 0.313 | 0.96 | 0.85 | -1.08 | 4.70E-05 | 0.339 | 0.291 | 1.25 | 1.12 | -1.4 | 1.11 | 2.12E-02 | PPP1R3A | intronic |
| 8 | 3118494 | T | C | rs9644333 | 3.70E-01 | 0.296 | 0.310 | 1.07 | 0.95 | -1.21 | 1.58E-05 | 0.333 | 0.276 | 0.77 | 0.68 | -0.86 | 0.90 | 2.13E-02 | CSMD1 | intronic |
| 17 | 40375281 | T | G | rs114196602 | 7.22E-01 | 0.025 | 0.027 | 0.93 | 0.66 | -1.3 | 3.11E-05 | 0.034 | 0.020 | 1.69 | 1.24 | -2.3 | 1.43 | 2.13E-02 | STAT5B | intronic |
| 7 | 113513612 | C | A | rs2974946 | 4.58E-01 | 0.303 | 0.313 | 0.96 | 0.85 | -1.08 | 4.44E-05 | 0.343 | 0.295 | 1.25 | 1.12 | -1.39 | 1.11 | 2.13E-02 | LINC00998(dist=754975), PPP1R3A(dist=3270) | intergenic |
| 7 | 106653143 | A | G | rs79508051 | 9.14E-06 | 0.185 | 0.146 | 1.33 | 1.15 | -1.54 | 1.60E-01 | 0.153 | 0.162 | 0.93 | 0.81 | -1.08 | 1.14 | 2.16E-02 | PIK3CG(dist=103720), PRKAR2B(dist=32035) | intergenic |
| 3 | 102978297 | A | G | rs4856140 | 4.15E-05 | 0.431 | 0.370 | 0.77 | 0.69 | -0.86 | 3.87E-01 | 0.396 | 0.412 | 1.07 | 0.96 | -1.19 | 0.91 | 2.22E-02 | ZPLD1(dist=779612), MIR548AB(dist=264580) | intergenic |
| 16 | 84534252 | G | C | rs3688681 | 2.09E-01 | 0.295 | 0.265 | 1.16 | 1.03 | -1.31 | 4.96E-05 | 0.261 | 0.320 | 0.75 | 0.67 | -0.84 | 0.89 | 2.22E-02 | TLDC1 | intronic |
| 11 | 18601790 | C | T | rs61884723 | 2.96E-01 | 0.026 | 0.027 | 0.96 | 0.68 | -1.34 | 6.30E-05 | 0.049 | 0.036 | 1.40 | 1.09 | -1.8 | 1.32 | 2.24E-02 | UEVLD | intronic |
| 15 | 37346476 | G | C | rs386783080;rs8037848 | 5.18E-01 | 0.496 | 0.493 | 0.99 | 0.88 | -1.1 | 3.19E-05 | 0.520 | 0.483 | 1.16 | 1.04 | -1.29 | 1.11 | 2.25E-02 | MEIS2 | intronic |
| 3 | 36828658 | T | C | rs4075977 | 4.57E-01 | 0.088 | 0.092 | 1.05 | 0.87 | -1.27 | 5.72E-05 | 0.134 | 0.107 | 0.77 | 0.66 | -0.91 | 0.85 | 2.26E-02 | DCLK3(dist=47306), TRANK1(dist=39650) | intergenic |
| 8 | 3112636 | C | A | rs6995457 | 3.98E-01 | 0.319 | 0.334 | 1.07 | 0.95 | -1.2 | 2.45E-05 | 0.358 | 0.301 | 0.77 | 0.69 | -0.86 | 0.90 | 2.28E-02 | CSMD1 | intronic |
| 3 | 102987771 | C | T | rs1565677 | 4.31E-05 | 0.432 | 0.370 | 0.77 | 0.69 | -0.86 | 3.79E-01 | 0.396 | 0.412 | 1.07 | 0.96 | -1.19 | 0.91 | 2.31E-02 | ZPLD1(dist=789086), MIR548AB(dist=255106) | intergenic |
| 8 | 26481974 | G | A | rs17322051 | 3.96E-01 | 0.076 | 0.080 | 0.95 | 0.78 | -1.17 | 2.27E-05 | 0.092 | 0.068 | 1.39 | 1.16 | -1.68 | 1.20 | 2.32E-02 | DPYSL2 | intronic |
| 8 | 60019607 | G | C | rs12674720 | 5.32E-05 | 0.015 | 0.023 | 0.66 | 0.44 | -1.01 | 1.91E-02 | 0.028 | 0.025 | 1.14 | 0.83 | -1.57 | 1.84 | 2.33E-02 | TOX | intronic |
| 8 | 3936403 | A | G | rs2552142 | 5.21E-05 | 0.400 | 0.345 | 1.27 | 1.13 | -1.42 | 4.75E-01 | 0.386 | 0.405 | 0.92 | 0.83 | -1.03 | 1.11 | 2.34E-02 | CSMD1 | intronic |
| 10 | 32612263 | A | G | rs2505408 | 2.33E-05 | 0.241 | 0.177 | 1.47 | 1.29 | -1.68 | 6.40E-01 | 0.227 | 0.243 | 0.91 | 0.8 | -1.03 | 1.13 | 2.34E-02 | EPC1 | intronic |
| 7 | 113541630 | C | T | rs6466472 | 4.29E-01 | 0.299 | 0.309 | 1.05 | 0.93 | -1.18 | 4.18E-05 | 0.337 | 0.289 | 0.80 | 0.72 | -0.89 | 0.91 | 2.36E-02 | PPP1R3A | intronic |
| 8 | 86428870 | T | C | rs60457697 | 3.49E-01 | 0.164 | 0.181 | 0.89 | 0.77 | -1.03 | 2.93E-05 | 0.192 | 0.146 | 1.40 | 1.22 | -1.6 | 1.14 | 2.38E-02 | CA2(dist=35149), REXO1L2P(dist=137958) | intergenic |
| 18 | 4589960 | T | C | rs1785062 | 5.09E-01 | 0.333 | 0.347 | 0.94 | 0.84 | -1.05 | 2.25E-05 | 0.315 | 0.270 | 1.24 | 1.11 | -1.39 | 1.13 | 2.38E-02 | DLGAP1(dist=134694), C18orf42(dist=553712) | intergenic |
| 11 | 7809306 | T | A | rs11500772 | 2.59E-01 | 0.472 | 0.496 | 0.91 | 0.81 | -1.01 | 1.62E-05 | 0.526 | 0.463 | 1.29 | 1.16 | -1.43 | 1.10 | 2.39E-02 | OVCH2(dist=81365), OR5P2(dist=8215) | intergenic |
| 11 | 7809039 | C | T | rs12291512 | 2.59E-01 | 0.472 | 0.496 | 0.91 | 0.81 | -1.01 | 1.62E-05 | 0.526 | 0.463 | 1.29 | 1.16 | -1.43 | 1.10 | 2.40E-02 | OVCH2(dist=81098), OR5P2(dist=8482) | intergenic |
| 6 | 32459120 | T | C | rs186231674 | 1.34E-05 | 0.084 | 0.105 | 0.78 | 0.65 | -0.95 | 1.98E-02 | 0.099 | 0.116 | 0.84 | 0.71 | -0.99 | 0.76 | 2.40E-02 | HLA-DRA(dist=46294), HLA-DRB5(dist=26034) | intergenic |
| 12 | 9060025 | C | T | rs12814670 | 4.84E-05 | 0.139 | 0.093 | 1.57 | 1.33 | -1.87 | 5.53E-01 | 0.130 | 0.150 | 0.85 | 0.73 | -0.99 | 1.15 | 2.40E-02 | A2ML1(dist=30644), PHC1(dist=7291) | intergenic |
| 11 | 7809935 | A | C | rs11500776 | 2.58E-01 | 0.472 | 0.496 | 0.91 | 0.81 | -1.01 | 1.60E-05 | 0.525 | 0.462 | 1.29 | 1.16 | -1.43 | 1.10 | 2.41E-02 | OVCH2(dist=81994), OR5P2(dist=7586) | intergenic |
| 8 | 5966496 | C | G | rs73660526 | 4.80E-01 | 0.235 | 0.255 | 0.90 | 0.79 | -1.02 | 3.41E-05 | 0.256 | 0.203 | 1.35 | 1.2 | -1.53 | 1.12 | 2.43E-02 | CSMD1(dist=1114168), LOC100287015(dist=294581) | intergenic |
| 16 | 50407846 | T | C | rs75032005 | 1.19E-05 | 0.053 | 0.031 | 1.75 | 1.33 | -2.31 | 2.20E-01 | 0.030 | 0.036 | 0.85 | 0.63 | -1.14 | 1.29 | 2.45E-02 | BRD7(dist=5001), NKD1(dist=174395) | intergenic |
| 2 | 69835516 | A | G | rs79146779 | 5.29E-05 | 0.047 | 0.029 | 1.63 | 1.22 | -2.17 | 3.97E-01 | 0.031 | 0.034 | 0.92 | 0.69 | -1.24 | 1.29 | 2.46E-02 | AAK1 | intronic |
| 8 | 89298250 | C | T | rs61656674 | 4.14E-01 | 0.105 | 0.104 | 1.02 | 0.85 | -1.21 | 4.80E-05 | 0.076 | 0.102 | 0.73 | 0.6 | -0.88 | 0.86 | 2.47E-02 | MMP16 | intronic |
| 4 | 158550609 | T | C | rs1387994 | 3.94E-05 | 0.415 | 0.360 | 0.79 | 0.71 | -0.89 | 3.26E-01 | 0.367 | 0.380 | 1.05 | 0.95 | -1.17 | 0.91 | 2.50E-02 | LOC340017(dist=53306), FAM198B(dist=495123) | intergenic |
| 3 | 63854445 | C | T | rs832193 | 8.53E-02 | 0.153 | 0.174 | 1.16 | 1 | -1.35 | 9.97E-07 | 0.204 | 0.159 | 0.74 | 0.64 | -0.84 | 0.89 | 2.52E-02 | ATXN7 | intronic |
| 11 | 7806994 | T | C | rs12295983 | | | | | | | | | | | | | | | | |

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|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 21 | 25448939 | T | C | rs1699641 | 5.97E-01 | 0.040 | 0.043 | 0.92 | 0.7 | -1.22 | 3.98E-05 | 0.050 | 0.034 | 1.52 | 1.18 | -1.95 | 1.29 | 2.65E-02 | D21S2088E(dist=691783), LOC101927869(dist=227924) | intergenic |
| 9 | 76928165 | A | T | rs1931585 | 4.52E-05 | 0.069 | 0.098 | 0.68 | 0.56 | -0.84 | 4.90E-01 | 0.086 | 0.079 | 1.08 | 0.9 | -1.31 | 0.85 | 2.66E-02 | MIR6130 | ncRNA_intronic |
| 11 | 7802330 | C | T | rs2100734 | 2.42E-01 | 0.473 | 0.498 | 0.91 | 0.81 | -1.01 | 1.89E-05 | 0.524 | 0.461 | 1.29 | 1.16 | -1.43 | 1.09 | 2.69E-02 | OVCH2(dist=74389), OR5P2(dist=15191) | intergenic |
| 4 | 122521660 | T | C | rs4833748 | 2.60E-01 | 0.253 | 0.235 | 1.10 | 0.97 | -1.25 | 4.18E-05 | 0.216 | 0.272 | 0.74 | 0.65 | -0.83 | 0.90 | 2.69E-02 | QRFRP(dist=219479), ANXA5(dist=67492) | intergenic |
| 10 | 50411008 | T | C | rs4364980 | 4.12E-05 | 0.098 | 0.056 | 1.83 | 1.49 | -2.26 | 7.07E-01 | 0.092 | 0.101 | 0.91 | 0.76 | -1.09 | 1.19 | 2.71E-02 | C10orf128(dist=14563), C10orf71-AS1(dist=93320) | intergenic |
| 4 | 158554149 | C | T | rs6854380 | 4.70E-05 | 0.415 | 0.361 | 0.79 | 0.71 | -0.89 | 3.24E-01 | 0.367 | 0.380 | 1.06 | 0.95 | -1.18 | 0.91 | 2.72E-02 | LOC340017(dist=56846), FAM198B(dist=491583) | intergenic |
| 1 | 198334066 | T | G | rs76504062 | 4.81E-05 | 0.039 | 0.023 | 1.74 | 1.26 | -2.39 | 5.05E-01 | 0.029 | 0.031 | 0.96 | 0.7 | -1.3 | 1.31 | 2.73E-02 | NEK7(dist=42518), ATP6V1G3(dist=158286) | intergenic |
| 8 | 13269694 | A | C | rs17817461 | 3.11E-05 | 0.078 | 0.051 | 1.58 | 1.26 | -1.97 | 2.81E-01 | 0.074 | 0.084 | 0.88 | 0.72 | -1.07 | 1.23 | 2.74E-02 | DLC1 | intronic |
| 11 | 7802304 | C | T | rs2062148 | 2.45E-01 | 0.470 | 0.495 | 0.91 | 0.81 | -1.01 | 1.89E-05 | 0.524 | 0.461 | 1.29 | 1.16 | -1.43 | 1.09 | 2.75E-02 | OVCH2(dist=74363), OR5P2(dist=15217) | intergenic |
| 14 | 80788145 | A | T | rs12881848 | 2.83E-01 | 0.171 | 0.167 | 1.03 | 0.89 | -1.19 | 5.28E-05 | 0.238 | 0.215 | 1.14 | 1.01 | -1.29 | 1.13 | 2.75E-02 | DIO2-AS1 | ncRNA_intronic |
| 3 | 102998357 | T | C | rs9790025 | 3.69E-05 | 0.430 | 0.368 | 0.77 | 0.69 | -0.86 | 3.13E-01 | 0.391 | 0.409 | 1.08 | 0.97 | -1.2 | 0.91 | 2.76E-02 | ZPLD1(dist=799672), MIR548AB(dist=244520) | intergenic |
| 2 | 207763631 | T | C | rs144260439 | 4.32E-05 | 0.038 | 0.022 | 1.76 | 1.27 | -2.44 | 4.47E-01 | 0.027 | 0.029 | 0.92 | 0.67 | -1.26 | 1.32 | 2.78E-02 | FASTKD2(dist=102720), CPO(dist=40647) | intergenic |
| 4 | 58256071 | A | G | rs139393118 | 4.82E-01 | 0.030 | 0.034 | 0.86 | 0.63 | -1.18 | 4.29E-05 | 0.040 | 0.023 | 1.80 | 1.35 | -2.4 | 1.30 | 2.81E-02 | IGFBP7-AS1(dist=184606), LOC101928851(dist=35967) | intergenic |
| 8 | 18896866 | T | A | rs975095 | 3.89E-01 | 0.149 | 0.133 | 0.87 | 0.75 | -1.02 | 4.17E-05 | 0.124 | 0.168 | 1.43 | 1.23 | -1.67 | 1.14 | 2.86E-02 | PSD3(dist=25670), LOC100128993(dist=144320) | intergenic |
| 9 | 102452996 | G | A | rs111701716 | 5.47E-05 | 0.045 | 0.025 | 1.80 | 1.33 | -2.44 | 2.03E-01 | 0.028 | 0.031 | 0.90 | 0.66 | -1.23 | 1.32 | 2.88E-02 | LOC101928438 | ncRNA_intronic |
| 10 | 50384547 | C | T | rs55908723 | 2.64E-05 | 0.102 | 0.058 | 1.84 | 1.5 | -2.25 | 6.09E-01 | 0.093 | 0.103 | 0.89 | 0.74 | -1.06 | 1.19 | 2.89E-02 | C10orf128 | intronic |
| 19 | 30033739 | T | C | rs79364176 | 7.74E-06 | 0.079 | 0.055 | 1.47 | 1.18 | -1.83 | 1.52E-01 | 0.062 | 0.067 | 0.92 | 0.74 | -1.14 | 1.23 | 2.90E-02 | VSTM2B | intronic |
| 5 | 86222404 | T | C | rs115422180 | 1.14E-05 | 0.016 | 0.035 | 0.44 | 0.3 | -0.65 | 1.19E-01 | 0.034 | 0.027 | 1.27 | 0.95 | -1.7 | 0.75 | 2.93E-02 | LOC100505878(dist=176815), MIR4280(dist=188292) | intergenic |
| 9 | 81530728 | A | G | rs73465949 | 5.62E-05 | 0.118 | 0.162 | 0.69 | 0.59 | -0.81 | 4.44E-01 | 0.142 | 0.129 | 1.12 | 0.96 | -1.3 | 0.88 | 2.94E-02 | PSAT1(dist=585719), LOC101927450(dist=219610) | intergenic |
| 9 | 76924441 | G | A | rs11143911 | 3.78E-05 | 0.068 | 0.097 | 0.68 | 0.55 | -0.83 | 4.30E-01 | 0.085 | 0.078 | 1.09 | 0.91 | -1.32 | 0.85 | 2.94E-02 | MIR6130 | ncRNA_intronic |
| 11 | 21566468 | T | A | rs10833563 | 3.29E-01 | 0.179 | 0.155 | 1.19 | 1.03 | -1.38 | 5.69E-05 | 0.142 | 0.195 | 0.68 | 0.59 | -0.79 | 0.89 | 2.95E-02 | NELL1 | intronic |
| 6 | 32491314 | A | C | rs116562604 | 6.14E-05 | 0.032 | 0.043 | 0.75 | 0.56 | -1.01 | 2.48E-02 | 0.043 | 0.056 | 0.76 | 0.59 | -0.98 | 0.69 | 2.97E-02 | HLA-DRB5 | intronic |
| 9 | 81536067 | T | C | rs73465986 | 4.92E-05 | 0.119 | 0.164 | 0.69 | 0.59 | -0.81 | 4.29E-01 | 0.142 | 0.129 | 1.12 | 0.96 | -1.3 | 0.88 | 2.97E-02 | PSAT1(dist=591058), LOC101927450(dist=214271) | intergenic |
| 4 | 122513549 | A | T | rs12511308 | 2.02E-01 | 0.241 | 0.223 | 1.11 | 0.98 | -1.26 | 3.30E-05 | 0.206 | 0.262 | 0.73 | 0.64 | -0.83 | 0.90 | 2.99E-02 | QRFRP(dist=211368), ANXA5(dist=75603) | intergenic |
| 8 | 89317637 | C | T | rs58378440 | 3.68E-01 | 0.108 | 0.106 | 1.02 | 0.86 | -1.22 | 4.57E-05 | 0.079 | 0.104 | 0.74 | 0.61 | -0.89 | 0.86 | 3.01E-02 | MMP16 | intronic |
| 2 | 158825985 | A | G | rs13005189 | 2.02E-01 | 0.028 | 0.029 | 0.97 | 0.7 | -1.35 | 2.57E-05 | 0.046 | 0.031 | 1.50 | 1.16 | -1.95 | 1.31 | 3.01E-02 | ACVRF1(dist=93611), UPP2(dist=25706) | intergenic |
| 5 | 37967352 | A | G | rs4072686 | 2.36E-01 | 0.368 | 0.352 | 1.07 | 0.96 | -1.2 | 1.67E-05 | 0.312 | 0.364 | 0.79 | 0.71 | -0.89 | 0.91 | 3.02E-02 | GDNF-AS1(dist=91452), EGFAM(dist=291159) | intergenic |
| 8 | 3108085 | T | G | rs78561648 | 2.18E-01 | 0.287 | 0.307 | 1.10 | 0.97 | -1.24 | 9.26E-06 | 0.329 | 0.272 | 0.76 | 0.68 | -0.85 | 0.90 | 3.10E-02 | CSMD1 | intronic |
| 8 | 18898040 | A | G | rs10104732 | 3.47E-01 | 0.146 | 0.129 | 0.87 | 0.74 | -1.01 | 4.41E-05 | 0.125 | 0.170 | 1.43 | 1.22 | -1.66 | 1.14 | 3.14E-02 | PSD3(dist=26844), LOC100128993(dist=143146) | intergenic |
| 2 | 158821921 | C | T | rs116697623 | 1.99E-01 | 0.028 | 0.028 | 0.97 | 0.69 | -1.35 | 2.80E-05 | 0.046 | 0.031 | 1.50 | 1.16 | -1.95 | 1.31 | 3.17E-02 | ACVRF1(dist=89547), UPP2(dist=29770) | intergenic |
| 6 | 32541377 | T | C | rs9269408 | 6.21E-06 | 0.226 | 0.261 | 0.83 | 0.73 | -0.94 | 2.70E-02 | 0.311 | 0.333 | 0.90 | 0.81 | -1.01 | 0.85 | 3.21E-02 | HLA-DRB6(dist=13598), HLA-DRB1(dist=5170) | intergenic |
| 4 | 158544584 | T | C | rs6853516 | 6.32E-05 | 0.428 | 0.377 | 0.81 | 0.72 | -0.9 | 2.86E-01 | 0.388 | 0.404 | 1.07 | 0.96 | -1.19 | 0.91 | 3.23E-02 | LOC340017(dist=47281), FAM198B(dist=501148) | intergenic |
| 3 | 63974258 | T | G | rs3774725 | 1.43E-01 | 0.215 | 0.237 | 0.88 | 0.77 | -1 | 1.06E-05 | 0.266 | 0.217 | 1.31 | 1.16 | -1.47 | 1.11 | 3.25E-02 | ATXN7 | intronic |
| 11 | 7810687 | G | C | rs186011709 | 3.27E-01 | 0.438 | 0.458 | 0.92 | 0.82 | -1.03 | 5.98E-05 | 0.490 | 0.434 | 1.25 | 1.13 | -1.39 | 1.10 | 3.25E-02 | OVCH2(dist=82746), OR5P2(dist=6834) | intergenic |
| 5 | 37967498 | G | T | rs4072685 | 2.31E-01 | 0.368 | 0.352 | 1.07 | 0.96 | -1.2 | 1.88E-05 | 0.313 | 0.364 | 0.80 | 0.71 | -0.89 | 0.91 | 3.25E-02 | GDNF-AS1(dist=91598), EGFAM(dist=291013) | intergenic |
| 9 | 81544405 | T | G | rs73453123 | 3.93E-05 | 0.121 | 0.166 | 0.69 | 0.59 | -0.81 | 3.38E-01 | 0.146 | 0.131 | 1.13 | 0.98 | -1.32 | 0.88 | 3.26E-02 | PSAT1(dist=599396), LOC101927450(dist=205933) | intergenic |
| 16 | 75773584 | C | T | rs140193503 | 3.31E-06 | 0.074 | 0.049 | 1.55 | 1.23 | -1.95 | 8.48E-02 | 0.042 | 0.049 | 0.86 | 0.67 | -1.11 | 1.24 | 3.30E-02 | TERF2IP(dist=82243), CNTNAP4(dist=537592) | intergenic |
| 11 | 17416125 | G | A | rs17846770 | 3.05E-01 | 0.033 | 0.036 | 0.93 | 0.69 | -1.25 | 3.06E-05 | 0.054 | 0.039 | 1.41 | 1.11 | -1.79 | 1.30 | 3.31E-02 | ABCC8 | intronic |
| 14 | 80792090 | C | T | rs12894797;rs113360620 | 2.52E-01 | 0.180 | 0.176 | 1.03 | 0.89 | -1.19 | 5.93E-05 | 0.240 | 0.217 | 1.14 | 1.01 | -1.29 | 1.12 | 3.32E-02 | DIO2-AS1 | ncRNA_intronic |
| 8 | 18897138 | C | G | rs13255941 | 3.75E-01 | 0.149 | 0.132 | 0.87 | 0.74 | -1.02 | 5.39E-05 | 0.124 | 0.168 | 1.43 | 1.22 | -1.66 | 1.14 | 3.32E-02 | PSD3(dist=25942), LOC100128993(dist=144048) | intergenic |
| 10 | 110433076 | A | G | rs12261750 | 2.92E-01 | 0.049 | 0.059 | 0.81 | 0.64 | -1.04 | 4.00E-05 | 0.068 | 0.045 | 1.54 | 1.24 | -1.92 | 1.24 | 3.40E-02 | LINC01435(dist=604025), RNU6-53P(dist=497339) | intergenic |
| 10 | 50384581 | T | A | rs61848458 | 5.83E-05 | 0.102 | 0.060 | 1.79 | 1.46 | -2.2 | 6.70E-01 | 0.088 | 0.098 | 0.89 | 0.74 | -1.07 | 1.18 | 3.41E-02 | C10orf128 | intronic |
| 7 | 106477445 | A | G | rs7457045 | 3.76E-01 | 0.209 | 0.210 | 0.99 | 0.87 | -1.13 | 3.33E-05 | 0.161 | 0.193 | 0.81 | 0.7 | -0.93 | 0.89 | 3.41E-02 | CCDC71L(dist=175811), PIK3CG(dist=28278) | intergenic |
| 5 | 118731273 | A | C | rs1105771 | 6.43E-05 | 0.293 | 0.237 | 1.33 | 1.18 | -1.51 | 3.24E-01 | 0.268 | 0.282 | 0.93 | 0.83 | -1.05 | 1.10 | 3.42E-02 | TNFAIP8 | downstream |
| 11 | 7805861 | A | C | rs11601933 | 2.23E-01 | 0.476 | 0.501 | 0.90 | 0.81 | -1.01 | 2.79E-05 | 0.529 | 0.467 | 1.28 | 1.16 | -1.42 | 1.09 | 3.43E-02 | OVCH2(dist=77920), OR5P2(dist=11660) | intergenic |
| 8 | 18899241 | G | A | rs1395518 | 3.69E-01 | 0.148 | 0.131 | 0.87 | 0.74 | -1.02 | 5.52E-05 | 0.129 | 0.172 | 1.41 | 1.21 | -1.64 | 1.13 | 3.44E-02 | PSD3(dist=28045), LOC100128993(dist=141945) | intergenic |
| 14 | 33605947 | A | G | rs17100227 | 5.69E-05 | 0.435 | 0.494 | 1.27 | 1.14 | -1.42 | 1.97E-01 | 0.476 | 0.454 | 0.92 | 0.83 | -1.02 | 1.10 | 3.47E-02 | NPAS3 | intronic |
| 6 | 29364838 | C | G | rs2073152 | 9.50E-02 | 0.109 | 0.117 | 0.93 | 0.78 | -1.1 | 8.78E-06 | 0.158 | 0.129 | 1.27 | 1.1 | -1.47 | 1.14 | 3.48E-02 | OR12D2 | exonic |
| 8 | 5966427 | C | G | rs73660525 | 3.95E-01 | 0.220 | 0.241 | 0.89 | 0.78 | -1.01 | 4.40E-05 | 0.242 | 0.190 | 1.36 | 1.2 | -1.54 | 1.11 | 3.50E-02 | CSMD1(dist=1114099), LOC100287015(dist=294650) | intergenic |
| 5 | 86194419 | A | G | rs139065562 | 4.78E-06 | 0.017 | 0.038 | 0.43 | 0.3 | -0.63 | 4.10E-02 | 0.036 | 0.027 | 1.34 | 1.01 | -1.79 | 0.76 | 3.51E-02 | LOC100505878(dist=148830), MIR4280(dist=216277) | intergenic |
| 4 | 156936029 | A | G | rs7691581 | 2.36E-01 | 0.344 | 0.327 | 1.08 | 0.96 | -1.21 | 4.26E-05 | 0.280 | 0.324 | 0.81 | 0.72 | -0.91 | 0.91 | 3.55E-02 | CTSO(dist=60981), PDGFC(dist=746734) | intergenic |
| 6 | 74985342 | C | T | rs9341460 | 2.98E-01 | 0.247 | 0.239 | 1.04 | 0.92 | -1.18 | 5.86E-05 | 0.210 | 0.246 | 0.82 | 0.72 | -0.93 | 0.90 | 3.56E-02 | LOC101928516 | ncRNA_intronic |
| 1 | 198462240 | C | A | rs78519086 | 4.80E-05 | 0.041 | 0.024 | 1.78 | 1.3 | -2.44 | 3.37E-01 | 0.028 | 0.031 | 0.92 | 0.67 | -1.25 | 1.28 | 3.59E-02 | NEK7(dist=170692), ATP6V1G3(dist=30112) | intergenic |
| 3 | 63948609 | C | G | rs13433909 | 1.07E-01 | 0.198 | 0.220 | 0.87 | 0.76 | -1 | 4.99E-06 | 0.247 | 0.199 | 1.32 | 1.16 | -1.49 | 1.11 | 3.59E-02 | ATXN7 | intronic |
| 8 | 18898681 | G | A | rs2063075 | 3.57E-01 | 0.149 | 0.131 | 0.87 | 0.74 | -1.01 | 5.49E-05 | 0.128 | 0.172 | 1.41 | 1.21 | -1.64 | 1.13 | 3.60E-02 | PSD3(dist=27485), LOC100128993(dist=142505) | intergenic |
| 8 | 18898789 | C | A | rs2063076 | 3.33E-01 | 0.147 | 0.130 | 0.86 | 0.74 | -1.01 | 5.45E-05 | 0.128 | 0.172 | 1.41 | 1. | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 16 | 81798874 | G | C | rs116322606 | 3.24E-02 | 0.028 | 0.021 | 1.33 | 0.94 | -1.89 | 9.71E-06 | 0.035 | 0.025 | 1.43 | 1.06 | -1.92 | 1.55 | 3.95E-02 | CMIP(dist=53507), PLCG2(dist=13989) | intergenic |
| 10 | 54917916 | T | G | rs10430535 | 3.51E-05 | 0.394 | 0.335 | 1.29 | 1.15 | -1.44 | 3.86E-01 | 0.351 | 0.366 | 0.94 | 0.84 | -1.04 | 1.10 | 3.97E-02 | MBL2(dist=386456), PCDH15(dist=644617) | intergenic |
| 16 | 76246904 | C | G | rs12149782 | 1.10E-01 | 0.237 | 0.255 | 0.91 | 0.8 | -1.03 | 1.25E-05 | 0.286 | 0.240 | 1.27 | 1.13 | -1.42 | 1.10 | 3.99E-02 | TERF2IP(dist=555563), CNTNAP4(dist=64272) | intergenic |
| 6 | 29371165 | G | C | rs11362601 | 8.73E-02 | 0.108 | 0.108 | 0.92 | 0.78 | -1.1 | 1.11E-05 | 0.158 | 0.128 | 1.27 | 1.1 | -1.47 | 1.14 | 4.01E-02 | OR12D2(dist=5717), OR11A1(dist=22116) | intergenic |
| 14 | 101841010 | C | T | rs76478523 | 1.71E-01 | 0.041 | 0.045 | 0.90 | 0.68 | -1.18 | 4.46E-05 | 0.070 | 0.051 | 1.39 | 1.12 | -1.72 | 1.27 | 4.02E-02 | MEG9(dist=301737), LINC00524(dist=31314) | intergenic |
| 1 | 107894526 | C | T | rs12039016 | 5.68E-05 | 0.142 | 0.108 | 1.37 | 1.16 | -1.62 | 2.78E-01 | 0.105 | 0.111 | 0.94 | 0.79 | -1.11 | 1.14 | 4.03E-02 | NTNG1 | intronic |
| 8 | 121818344 | C | T | rs6985486 | 2.88E-01 | 0.480 | 0.486 | 0.98 | 0.87 | -1.09 | 2.17E-05 | 0.393 | 0.421 | 0.89 | 0.8 | -0.99 | 0.91 | 4.03E-02 | SNTB1 | intronic |
| 16 | 81799707 | C | T | rs77678007 | 3.33E-02 | 0.028 | 0.021 | 1.32 | 0.93 | -1.88 | 9.82E-06 | 0.035 | 0.025 | 1.43 | 1.06 | -1.92 | 1.55 | 4.05E-02 | CMIP(dist=54340), PLCG2(dist=13156) | intergenic |
| 16 | 81799490 | A | G | rs138625434 | 3.33E-02 | 0.028 | 0.021 | 1.32 | 0.93 | -1.88 | 9.65E-06 | 0.035 | 0.025 | 1.43 | 1.06 | -1.92 | 1.55 | 4.05E-02 | CMIP(dist=54123), PLCG2(dist=13373) | intergenic |
| 4 | 122548144 | G | A | rs35294008 | 7.91E-02 | 0.326 | 0.304 | 1.11 | 0.99 | -1.25 | 4.34E-06 | 0.271 | 0.326 | 0.77 | 0.68 | -0.86 | 0.91 | 4.10E-02 | QRFPFR(dist=245963), ANXA5(dist=41008) | intergenic |
| 16 | 50410602 | C | A | rs139005242 | 3.35E-05 | 0.051 | 0.030 | 1.74 | 1.32 | -2.31 | 1.94E-01 | 0.027 | 0.033 | 0.83 | 0.61 | -1.13 | 1.26 | 4.11E-02 | BRD7(dist=7757), NKD1(dist=171639) | intergenic |
| 11 | 89326344 | T | C | rs141328190 | 1.82E-01 | 0.089 | 0.082 | 1.09 | 0.9 | -1.33 | 3.19E-05 | 0.061 | 0.087 | 0.68 | 0.55 | -0.84 | 0.86 | 4.18E-02 | NOX4(dist=3565), FOLH1B(dist=66121) | intergenic |
| 5 | 22237271 | T | C | rs73062563 | 4.51E-01 | 0.027 | 0.032 | 0.85 | 0.61 | -1.17 | 5.61E-05 | 0.038 | 0.022 | 1.78 | 1.32 | -2.39 | 1.30 | 4.19E-02 | CDH12 | intronic |
| 11 | 89326918 | G | A | rs7925554 | 1.82E-01 | 0.089 | 0.082 | 1.09 | 0.9 | -1.33 | 3.18E-05 | 0.061 | 0.087 | 0.68 | 0.55 | -0.84 | 0.86 | 4.19E-02 | NOX4(dist=4139), FOLH1B(dist=65547) | intergenic |
| 6 | 29356118 | C | T | rs9380123 | 9.33E-02 | 0.109 | 0.117 | 0.93 | 0.78 | -1.1 | 1.31E-05 | 0.155 | 0.127 | 1.27 | 1.1 | -1.47 | 1.14 | 4.20E-02 | OR12D3(dist=13050), OR12D2(dist=8298) | intergenic |
| 5 | 22240444 | C | T | rs73062571 | 4.49E-01 | 0.027 | 0.032 | 0.85 | 0.61 | -1.17 | 5.56E-05 | 0.038 | 0.022 | 1.78 | 1.32 | -2.38 | 1.30 | 4.20E-02 | CDH12 | intronic |
| 16 | 50412541 | C | T | rs114659467 | 3.89E-05 | 0.052 | 0.031 | 1.71 | 1.29 | -2.25 | 2.04E-01 | 0.027 | 0.033 | 0.83 | 0.61 | -1.14 | 1.26 | 4.23E-02 | BRD7(dist=9696), NKD1(dist=169700) | intergenic |
| 18 | 7765570 | T | A | rs11663448 | 4.92E-05 | 0.340 | 0.279 | 1.33 | 1.18 | -1.5 | 3.47E-01 | 0.307 | 0.328 | 0.91 | 0.81 | -1.02 | 1.09 | 4.26E-02 | PTPRM | intronic |
| 10 | 50388908 | C | G | rs7094833 | 4.01E-05 | 0.098 | 0.056 | 1.82 | 1.48 | -2.24 | 5.48E-01 | 0.084 | 0.094 | 0.88 | 0.73 | -1.06 | 1.18 | 4.27E-02 | C10orf128 | intronic |
| 1 | 107892093 | G | A | rs61422607 | 5.90E-05 | 0.142 | 0.108 | 1.37 | 1.16 | -1.61 | 2.61E-01 | 0.103 | 0.110 | 0.93 | 0.79 | -1.11 | 1.14 | 4.33E-02 | NTNG1 | intronic |
| 1 | 107891918 | C | T | rs17018817 | 5.90E-05 | 0.142 | 0.108 | 1.37 | 1.16 | -1.61 | 2.60E-01 | 0.103 | 0.110 | 0.93 | 0.79 | -1.11 | 1.14 | 4.35E-02 | NTNG1 | intronic |
| 18 | 11728168 | A | G | rs12458816 | 5.65E-05 | 0.035 | 0.022 | 1.61 | 1.15 | -2.24 | 3.53E-01 | 0.027 | 0.030 | 0.90 | 0.65 | -1.24 | 1.31 | 4.35E-02 | GNAL | intronic |
| 9 | 81534958 | G | A | rs3900867 | 5.82E-05 | 0.116 | 0.160 | 0.69 | 0.59 | -0.81 | 2.04E-01 | 0.146 | 0.129 | 1.15 | 0.99 | -1.34 | 0.88 | 4.36E-02 | PSAT1(dist=589949), LOC101927450(dist=215380) | intergenic |
| 10 | 101682300 | A | G | rs7077577 | 7.45E-06 | 0.345 | 0.397 | 0.80 | 0.71 | -0.9 | 3.02E-01 | 0.402 | 0.391 | 1.05 | 0.94 | -1.16 | 0.91 | 4.36E-02 | DNMBP | intronic |
| 5 | 22246467 | C | T | rs73062406 | 4.29E-01 | 0.027 | 0.032 | 0.84 | 0.61 | -1.17 | 5.49E-05 | 0.038 | 0.022 | 1.78 | 1.32 | -2.38 | 1.30 | 4.36E-02 | CDH12 | intronic |
| 1 | 107891357 | C | T | rs11185095 | 5.85E-05 | 0.142 | 0.108 | 1.37 | 1.16 | -1.61 | 2.57E-01 | 0.103 | 0.110 | 0.93 | 0.79 | -1.1 | 1.14 | 4.38E-02 | NTNG1 | intronic |
| 5 | 3355540 | C | T | rs112551664 | 5.33E-01 | 0.039 | 0.043 | 0.92 | 0.7 | -1.21 | 6.11E-05 | 0.049 | 0.033 | 1.50 | 1.17 | -1.94 | 1.31 | 4.38E-02 | LINC01377(dist=174194), LINC01019(dist=61726) | intergenic |
| 12 | 96964170 | A | G | rs61940438 | 4.63E-05 | 0.094 | 0.064 | 1.52 | 1.24 | -1.86 | 2.58E-01 | 0.072 | 0.080 | 0.89 | 0.73 | -1.09 | 1.16 | 4.40E-02 | CDK17(dist=169804), NEDD1(dist=336831) | intergenic |
| 6 | 41454542 | G | A | rs112004670 | 3.91E-02 | 0.059 | 0.072 | 0.80 | 0.64 | -1 | 4.74E-05 | 0.078 | 0.058 | 1.37 | 1.12 | -1.68 | 0.72 | 4.47E-02 | NCR2(dist=135917), LINC01276(dist=15640) | intergenic |
| 12 | 17834537 | A | T | rs115051397 | 4.49E-01 | 0.030 | 0.033 | 0.89 | 0.65 | -1.22 | 6.24E-05 | 0.035 | 0.020 | 1.77 | 1.3 | -2.4 | 1.30 | 4.52E-02 | MIR3974(dist=8209), RERGL(dist=399266) | intergenic |
| 1 | 104464617 | A | G | rs11185332 | 7.52E-02 | 0.243 | 0.260 | 0.91 | 0.8 | -1.03 | 5.27E-06 | 0.309 | 0.260 | 1.27 | 1.13 | -1.43 | 1.10 | 4.54E-02 | AMY1A(dist=163306), LOC100129138(dist=151028) | intergenic |
| 2 | 208146362 | A | G | rs77463728 | 3.52E-02 | 0.078 | 0.055 | 1.44 | 1.16 | -1.79 | 1.01E-06 | 0.049 | 0.088 | 0.54 | 0.43 | -0.68 | 0.85 | 4.57E-02 | MIR1302-4(dist=12214), CREB1(dist=248254) | intergenic |
| 2 | 18497448 | C | A | rs1516919 | 3.35E-01 | 0.383 | 0.375 | 1.04 | 0.93 | -1.16 | 3.12E-05 | 0.330 | 0.374 | 0.83 | 0.74 | -0.92 | 0.92 | 4.59E-02 | KCNS3(dist=383223), RDH14(dist=238541) | intergenic |
| 10 | 50132176 | C | T | rs3849151 | 4.92E-05 | 0.294 | 0.235 | 1.35 | 1.2 | -1.53 | 3.91E-01 | 0.280 | 0.297 | 0.92 | 0.82 | -1.03 | 1.11 | 4.63E-02 | WDFY4 | intronic |
| 10 | 42606751 | A | G | rs28404483 | 3.03E-05 | 0.182 | 0.136 | 0.71 | 0.61 | -0.82 | 5.09E-01 | 0.183 | 0.195 | 1.08 | 0.94 | -1.23 | 0.88 | 4.67E-02 | NONE(dist=NONE), LOC441666(dist=220563) | intergenic |
| 17 | 33418379 | T | A | rs62062400 | 5.67E-05 | 0.261 | 0.320 | 0.75 | 0.67 | -0.85 | 1.73E-01 | 0.286 | 0.264 | 1.12 | 1 | -1.26 | 0.91 | 4.68E-02 | RAD51L3-RFFL | ncRNA_intronic |
| 8 | 60059341 | G | A | rs28524585 | 6.10E-05 | 0.030 | 0.043 | 0.69 | 0.51 | -0.93 | 4.45E-01 | 0.053 | 0.057 | 0.94 | 0.74 | -1.18 | 0.82 | 4.70E-02 | TOX(dist=27574), CA8(dist=1042082) | intergenic |
| 13 | 50109085 | G | A | rs151311812 | 2.88E-01 | 0.029 | 0.034 | 0.85 | 0.62 | -1.16 | 5.68E-05 | 0.042 | 0.025 | 1.71 | 1.3 | -2.26 | 1.29 | 4.78E-02 | RCBTB1 | intronic |
| 5 | 68295773 | A | G | rs6888650 | 2.81E-01 | 0.421 | 0.444 | 1.10 | 0.98 | -1.23 | 3.48E-05 | 0.461 | 0.403 | 0.79 | 0.71 | -0.87 | 0.92 | 4.81E-02 | LOC101928885 | ncRNA_intronic |
| 11 | 7857950 | C | T | rs11600477 | 1.45E-01 | 0.341 | 0.361 | 0.92 | 0.82 | -1.03 | 2.20E-05 | 0.392 | 0.337 | 1.27 | 1.14 | -1.41 | 1.09 | 4.85E-02 | OR5P3(dist=10431), OR5E1P(dist=12648) | intergenic |
| 2 | 204729153 | C | T | rs231770 | 1.88E-01 | 0.407 | 0.390 | 1.07 | 0.96 | -1.2 | 4.00E-05 | 0.355 | 0.406 | 0.80 | 0.72 | -0.9 | 0.92 | 4.87E-02 | CD28(dist=125517), CTLA4(dist=3358) | intergenic |
| 6 | 75009770 | C | T | rs9341463 | 2.12E-01 | 0.251 | 0.240 | 1.06 | 0.93 | -1.2 | 6.39E-05 | 0.213 | 0.249 | 0.82 | 0.72 | -0.92 | 0.91 | 4.90E-02 | LOC101928516 | ncRNA_intronic |
| 11 | 62816826 | G | A | rs4963333 | 2.62E-01 | 0.341 | 0.352 | 0.96 | 0.85 | -1.07 | 5.94E-05 | 0.398 | 0.357 | 1.19 | 1.07 | -1.32 | 1.09 | 4.96E-02 | SLC22A8(dist=33509), SLC22A24(dist=30586) | intergenic |
| 2 | 102112351 | T | C | rs12712106 | 3.41E-05 | 0.312 | 0.254 | 1.33 | 1.18 | -1.5 | 2.20E-01 | 0.292 | 0.319 | 0.88 | 0.79 | -0.99 | 1.10 | 5.00E-02 | RFX8(dist=21186), MAP4K4(dist=201814) | intergenic |
| 6 | 74996947 | G | A | rs73460274 | 1.85E-01 | 0.250 | 0.239 | 1.06 | 0.94 | -1.21 | 5.31E-05 | 0.212 | 0.249 | 0.81 | 0.72 | -0.92 | 0.91 | 5.03E-02 | LOC101928516 | ncRNA_intronic |
| 11 | 7855951 | C | T | rs60268423 | 1.36E-01 | 0.342 | 0.363 | 0.91 | 0.81 | -1.02 | 2.07E-05 | 0.394 | 0.339 | 1.27 | 1.14 | -1.41 | 1.09 | 5.03E-02 | OR5P3(dist=8432), OR5E1P(dist=14647) | intergenic |
| 8 | 6001215 | T | C | rs2552222;rs570077706 | 3.51E-01 | 0.123 | 0.136 | 0.89 | 0.76 | -1.05 | 3.79E-05 | 0.136 | 0.098 | 1.44 | 1.23 | -1.69 | 1.14 | 5.06E-02 | CSMD1(dist=1148887), LOC100287015(dist=259862) | intergenic |
| 16 | 81804459 | C | T | rs142105916 | 4.22E-02 | 0.031 | 0.025 | 1.23 | 0.88 | -1.72 | 2.76E-05 | 0.034 | 0.024 | 1.42 | 1.05 | -1.91 | 1.57 | 5.06E-02 | CMIP(dist=59092), PLCG2(dist=8404) | intergenic |
| 10 | 101674941 | C | T | rs7894369 | 3.46E-05 | 0.409 | 0.462 | 0.81 | 0.72 | -0.9 | 4.04E-01 | 0.456 | 0.447 | 1.04 | 0.94 | -1.15 | 0.92 | 5.13E-02 | DNMBP | intronic |
| 12 | 15652220 | A | G | rs2193165 | 1.81E-01 | 0.069 | 0.062 | 0.89 | 0.71 | -1.11 | 3.91E-05 | 0.036 | 0.057 | 1.59 | 1.22 | -2.07 | 1.19 | 5.15E-02 | PTPRO | intronic |
| 3 | 63897915 | T | C | rs6785040 | 1.47E-01 | 0.254 | 0.278 | 0.88 | 0.78 | -1 | 4.15E-05 | 0.303 | 0.254 | 1.27 | 1.14 | -1.43 | 1.09 | 5.16E-02 | ATXN7 | intronic |
| 10 | 51532528 | G | A | rs4630240 | 3.69E-06 | 0.115 | 0.071 | 1.70 | 1.41 | -2.06 | 2.32E-01 | 0.095 | 0.110 | 0.85 | 0.72 | -1.01 | 1.18 | 5.18E-02 | TIMM23B | intronic |
| 8 | 43037193 | G | A | rs6990676 | 3.72E-01 | 0.054 | 0.061 | 0.89 | 0.7 | -1.12 | 5.98E-05 | 0.070 | 0.049 | 1.46 | 1.18 | -1.81 | 1.22 | 5.18E-02 | CSMD1 | intronic |
| 10 | 101675129 | A | G | rs10883422;rs35813317 | 1.05E-05 | 0.392 | 0.447 | 0.80 | 0.71 | -0.89 | 2.81E-01 | 0.443 | 0.430 | 1.05 | 0.95 | -1.17 | 0.92 | 5.22E-02 | DNMBP | intronic |
| 3 | 63948566 | T | C | rs13434089 | 9.26E-02 | 0.187 | 0.211 | 0.86 | 0.75 | -0.98 | 1.13E-05 | 0.234 | 0.188 | 1.32 | 1.16 | -1.5 | 1.10 | 5.24E-02 | ATXN7 | intronic |
| 16 | 81803866 | C | A | rs115241505 | 4.41E-02 | 0.030 | 0.024 | 1.24 | 0.89 | -1.74 | 3.02E-05 | 0.033 | 0.024 | 1.42 | 1.05 | -1.91 | 1.56 | 5.27E-02 | CMIP(dist=58499), PLCG2(dist=8997) | intergenic |
| 16 | 50417209 | G | A | rs16948438 | 4.42E-05 | 0.052 | 0.032 | 1.68 | 1.27 | -2.21 | 8.83E-02 | 0.026 | 0.032 | 0.80 | 0.58 | -1.11 | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 4 | 171998842 | A | G | rs35160188 | 2.42E-05 | 0.052 | 0.074 | 0.68 | 0.54 | -0.86 | 6.06E-02 | 0.065 | 0.064 | 1.02 | 0.83 | -1.26 | 0.85 | 5.39E-02 | LOC100506122(dist=18531), MIR6082(dist=108493) | intergenic |
| 5 | 22272943 | C | G | rs113191174 | 3.03E-01 | 0.027 | 0.033 | 0.82 | 0.59 | -1.13 | 3.05E-05 | 0.039 | 0.023 | 1.77 | 1.33 | -2.37 | 1.28 | 5.40E-02 | CDH12 | intronic |
| 3 | 63940509 | C | T | rs9820538 | 5.95E-02 | 0.187 | 0.213 | 0.85 | 0.74 | -0.97 | 3.18E-06 | 0.226 | 0.179 | 1.34 | 1.18 | -1.52 | 1.10 | 5.41E-02 | ATXN7 | intronic |
| 16 | 75779499 | A | C | rs11560081 | 1.02E-05 | 0.078 | 0.053 | 1.50 | 1.2 | -1.87 | 7.21E-02 | 0.045 | 0.052 | 0.86 | 0.67 | -1.1 | 1.21 | 5.44E-02 | TERF2IP(dist=88158), CNTNAP4(dist=531677) | intergenic |
| 8 | 60032541 | C | G | rs7837298 | 5.78E-06 | 0.068 | 0.092 | 0.72 | 0.59 | -0.89 | 1.74E-01 | 0.105 | 0.101 | 1.04 | 0.88 | -1.23 | 0.87 | 5.46E-02 | TOX | upstream |
| 3 | 63947565 | A | C | rs73117082 | 9.21E-02 | 0.187 | 0.212 | 0.86 | 0.75 | -0.98 | 1.28E-05 | 0.233 | 0.187 | 1.32 | 1.16 | -1.49 | 1.10 | 5.50E-02 | ATXN7 | intronic |
| 10 | 101658585 | T | C | rs3740057 | 9.43E-06 | 0.416 | 0.474 | 0.79 | 0.71 | -0.88 | 2.63E-01 | 0.474 | 0.460 | 1.06 | 0.95 | -1.17 | 0.92 | 5.59E-02 | DNMBP | intronic |
| 4 | 122550874 | G | A | rs4833753 | 1.32E-01 | 0.482 | 0.462 | 1.08 | 0.97 | -1.21 | 2.50E-05 | 0.427 | 0.479 | 0.81 | 0.73 | -0.9 | 0.93 | 5.64E-02 | QRFPR(dist=248693), ANXA5(dist=38278) | intergenic |
| 16 | 50423195 | C | T | rs16948448 | 4.04E-05 | 0.052 | 0.032 | 1.65 | 1.26 | -2.17 | 1.49E-01 | 0.025 | 0.031 | 0.81 | 0.59 | -1.12 | 1.25 | 5.69E-02 | BRD7(dist=20350), NKD1(dist=159046) | intergenic |
| 3 | 63845411 | C | T | rs9848808 | 2.15E-01 | 0.044 | 0.052 | 0.84 | 0.65 | -1.09 | 4.45E-05 | 0.072 | 0.050 | 1.47 | 1.19 | -1.81 | 1.21 | 5.71E-02 | THOC7 | intronic |
| 16 | 76249115 | C | G | rs9928916 | 7.52E-02 | 0.264 | 0.288 | 0.89 | 0.78 | -1 | 1.91E-05 | 0.314 | 0.265 | 1.27 | 1.13 | -1.42 | 1.09 | 5.77E-02 | TERF2IP(dist=557774), CNTNAP4(dist=62061) | intergenic |
| 20 | 24637352 | C | T | rs62215327 | 1.42E-01 | 0.067 | 0.069 | 0.96 | 0.77 | -1.2 | 5.62E-05 | 0.106 | 0.086 | 1.25 | 1.05 | -1.49 | 1.18 | 5.83E-02 | SYNDIG1 | intronic |
| 11 | 7858723 | C | T | rs1380495 | 1.46E-01 | 0.347 | 0.367 | 0.92 | 0.82 | -1.03 | 3.33E-05 | 0.400 | 0.347 | 1.25 | 1.13 | -1.4 | 1.08 | 5.85E-02 | OR5P3(dist=11204), OR5E1P(dist=11875) | intergenic |
| 6 | 29894853 | C | T | rs2959825 | 8.05E-02 | 0.202 | 0.190 | 1.08 | 0.94 | -1.24 | 5.16E-05 | 0.186 | 0.219 | 0.82 | 0.72 | -0.93 | 0.90 | 5.87E-02 | HCG4B | ncRNA_exonic |
| 5 | 22282635 | A | G | rs145269611 | 3.37E-01 | 0.029 | 0.034 | 0.84 | 0.61 | -1.15 | 6.37E-05 | 0.040 | 0.024 | 1.72 | 1.29 | -2.29 | 1.27 | 5.87E-02 | CDH12 | intronic |
| 1 | 104472651 | A | C | rs12142090 | 4.61E-02 | 0.257 | 0.278 | 0.90 | 0.79 | -1.02 | 3.78E-06 | 0.325 | 0.274 | 1.28 | 1.14 | -1.43 | 1.09 | 5.93E-02 | AMY1A(dist=171340), LOC100129138(dist=142994) | intergenic |
| 16 | 17861346 | C | T | rs142673782 | 2.30E-01 | 0.056 | 0.066 | 0.84 | 0.67 | -1.06 | 3.76E-05 | 0.070 | 0.046 | 1.55 | 1.25 | -1.92 | 1.20 | 5.95E-02 | XYLT1(dist=296608), NPIPA7(dist=550430) | intergenic |
| 10 | 8256509 | G | A | rs139133324 | 2.50E-05 | 0.046 | 0.022 | 2.15 | 1.57 | -2.94 | 2.97E-01 | 0.037 | 0.046 | 0.79 | 0.61 | -1.04 | 1.26 | 5.97E-02 | GATA3(dist=139345), LINC00708(dist=44786) | intergenic |
| 10 | 101675130 | G | A | rs35813317;rs10883423 | 2.47E-05 | 0.391 | 0.444 | 0.81 | 0.72 | -0.9 | 3.14E-01 | 0.441 | 0.429 | 1.05 | 0.94 | -1.17 | 0.92 | 5.99E-02 | DNMBP | intronic |
| 2 | 172389853 | G | A | rs6710032 | 6.93E-02 | 0.018 | 0.021 | 0.89 | 0.59 | -1.32 | 1.34E-05 | 0.041 | 0.028 | 1.49 | 1.13 | -1.96 | 1.33 | 6.03E-02 | CYBRD1 | intronic |
| 2 | 60424353 | A | G | rs7422287 | 1.94E-01 | 0.206 | 0.206 | 1.00 | 0.87 | -1.15 | 3.95E-05 | 0.232 | 0.205 | 1.17 | 1.03 | -1.32 | 1.11 | 6.08E-02 | LOC101927285(dist=917818), MIR4432(dist=190144) | intergenic |
| 7 | 95631484 | A | G | rs193309 | 4.68E-01 | 0.041 | 0.047 | 0.88 | 0.67 | -1.15 | 5.26E-05 | 0.047 | 0.030 | 1.60 | 1.23 | -2.07 | 1.25 | 6.11E-02 | DYNC111 | intronic |
| 8 | 3117115 | T | C | rs34604143;rs4433167 | 2.12E-01 | 0.387 | 0.408 | 1.09 | 0.97 | -1.22 | 5.37E-05 | 0.439 | 0.380 | 0.79 | 0.71 | -0.87 | 0.92 | 6.12E-02 | CSMD1 | intronic |
| 16 | 81796597 | G | T | rs148784601 | 5.26E-02 | 0.029 | 0.023 | 1.27 | 0.9 | -1.78 | 1.23E-05 | 0.037 | 0.026 | 1.41 | 1.06 | -1.88 | 1.47 | 6.22E-02 | CMIP(dist=51230), PLCG2(dist=16266) | intergenic |
| 10 | 34058250 | A | G | rs76668348;rs139019333 | 4.42E-05 | 0.107 | 0.071 | 1.58 | 1.3 | -1.91 | 3.93E-01 | 0.096 | 0.109 | 0.86 | 0.72 | -1.03 | 1.18 | 6.30E-02 | LINC00838 | ncRNA_intronic |
| 19 | 36645683 | G | A | rs148955536 | 1.02E-01 | 0.047 | 0.060 | 0.78 | 0.61 | -1 | 2.19E-05 | 0.074 | 0.051 | 1.49 | 1.21 | -1.84 | 1.21 | 6.31E-02 | COX7A1(dist=1912), ZNF565(dist=27279) | intergenic |
| 12 | 44865428 | T | C | rs140922456 | 1.76E-01 | 0.036 | 0.044 | 0.81 | 0.61 | -1.07 | 4.68E-05 | 0.053 | 0.032 | 1.72 | 1.34 | -2.2 | 1.22 | 6.31E-02 | TMEM117(dist=81883), NELL2(dist=36630) | intergenic |
| 8 | 60034012 | G | A | rs10094653 | 3.05E-06 | 0.070 | 0.092 | 0.74 | 0.61 | -0.91 | 1.20E-01 | 0.107 | 0.103 | 1.04 | 0.88 | -1.24 | 0.87 | 6.40E-02 | TOX(dist=2245), CA8(dist=1067411) | intergenic |
| 8 | 6014159 | T | C | rs2552264 | 1.24E-01 | 0.075 | 0.089 | 0.83 | 0.68 | -1.02 | 4.44E-06 | 0.104 | 0.071 | 1.51 | 1.27 | -1.81 | 1.16 | 6.47E-02 | CSMD1(dist=1161831), LOC100287015(dist=246918) | intergenic |
| 6 | 75010403 | A | G | rs9352092 | 1.55E-01 | 0.250 | 0.238 | 1.07 | 0.94 | -1.21 | 6.38E-05 | 0.213 | 0.249 | 0.82 | 0.72 | -0.92 | 0.92 | 6.48E-02 | LOC101928516 | ncRNA_intronic |
| 6 | 75003937 | C | A | rs12526986 | 1.31E-01 | 0.246 | 0.231 | 1.08 | 0.95 | -1.23 | 4.87E-05 | 0.206 | 0.242 | 0.81 | 0.71 | -0.92 | 0.92 | 6.67E-02 | LOC101928516 | ncRNA_intronic |
| 16 | 81798597 | G | T | rs149847160 | 5.68E-02 | 0.029 | 0.023 | 1.26 | 0.89 | -1.77 | 1.20E-05 | 0.037 | 0.026 | 1.41 | 1.06 | -1.88 | 1.47 | 6.68E-02 | CMIP(dist=53230), PLCG2(dist=14266) | intergenic |
| 16 | 14023188 | G | A | rs13136100 | 6.17E-05 | 0.076 | 0.111 | 0.66 | 0.54 | -0.8 | 1.50E-01 | 0.092 | 0.077 | 1.21 | 1.01 | -1.46 | 0.87 | 6.69E-02 | ERCC4 | intronic |
| 6 | 75002053 | A | G | rs9343129 | 1.45E-01 | 0.250 | 0.237 | 1.07 | 0.94 | -1.22 | 6.43E-05 | 0.212 | 0.248 | 0.81 | 0.72 | -0.92 | 0.92 | 6.80E-02 | LOC101928516 | ncRNA_intronic |
| 6 | 75011462 | C | T | rs1586598 | 1.41E-01 | 0.250 | 0.237 | 1.07 | 0.94 | -1.22 | 6.14E-05 | 0.212 | 0.249 | 0.81 | 0.72 | -0.92 | 0.92 | 6.85E-02 | LOC101928516 | ncRNA_intronic |
| 6 | 75006125 | G | A | rs9352090 | 1.41E-01 | 0.250 | 0.237 | 1.07 | 0.94 | -1.22 | 6.15E-05 | 0.212 | 0.249 | 0.81 | 0.72 | -0.92 | 0.92 | 6.85E-02 | LOC101928516 | ncRNA_intronic |
| 1 | 198456576 | C | T | rs79632665 | 6.40E-05 | 0.039 | 0.022 | 1.81 | 1.31 | -2.49 | 1.48E-01 | 0.023 | 0.027 | 0.84 | 0.59 | -1.18 | 1.26 | 6.89E-02 | NEK7(dist=165028), ATP6V1G3(dist=35776) | intergenic |
| 10 | 32088412 | G | A | rs7069005 | 2.34E-05 | 0.334 | 0.409 | 0.72 | 0.65 | -0.81 | 2.43E-01 | 0.367 | 0.344 | 1.11 | 0.99 | -1.23 | 0.92 | 6.95E-02 | ZEB1(dist=269670), ARHGAP12(dist=5914) | intergenic |
| 10 | 8254435 | C | T | rs72786323 | 3.17E-05 | 0.047 | 0.023 | 2.13 | 1.57 | -2.91 | 2.77E-01 | 0.038 | 0.047 | 0.79 | 0.6 | -1.03 | 1.24 | 6.97E-02 | GATA3(dist=137271), LINC00708(dist=46860) | intergenic |
| 3 | 63886515 | T | C | rs864975 | 7.09E-02 | 0.187 | 0.213 | 1.18 | 1.03 | -1.35 | 1.63E-05 | 0.231 | 0.185 | 0.76 | 0.67 | -0.86 | 0.91 | 7.09E-02 | ATXN7 | intronic |
| 18 | 11730847 | C | T | rs114406527 | 1.17E-05 | 0.071 | 0.050 | 1.45 | 1.15 | -1.82 | 1.50E-01 | 0.054 | 0.060 | 0.88 | 0.7 | -1.11 | 1.18 | 7.10E-02 | GNAL | intronic |
| 8 | 634494 | C | G | rs336440 | 4.50E-05 | 0.028 | 0.051 | 0.54 | 0.4 | -0.72 | 1.88E-01 | 0.051 | 0.041 | 1.25 | 0.98 | -1.59 | 0.83 | 7.24E-02 | ERICH1 | intronic |
| 8 | 6012188 | T | C | rs2570694 | 1.78E-01 | 0.080 | 0.092 | 0.86 | 0.7 | -1.04 | 1.63E-05 | 0.099 | 0.068 | 1.50 | 1.25 | -1.8 | 1.15 | 7.32E-02 | CSMD1(dist=1159860), LOC100287015(dist=248889) | intergenic |
| 5 | 92183200 | C | T | rs6888382 | 5.90E-05 | 0.060 | 0.090 | 0.64 | 0.52 | -0.79 | 8.37E-02 | 0.069 | 0.057 | 1.24 | 1.01 | -1.53 | 0.86 | 7.34E-02 | ARRDC3-AS1(dist=1466668), NR2F1-AS1(dist=561862) | intergenic |
| 12 | 44879323 | C | T | rs114153370 | 1.55E-01 | 0.036 | 0.044 | 0.80 | 0.6 | -1.06 | 4.65E-05 | 0.053 | 0.032 | 1.71 | 1.33 | -2.19 | 1.21 | 7.34E-02 | TMEM117(dist=95778), NELL2(dist=22735) | intergenic |
| 8 | 633770 | C | A | rs336443 | 6.42E-05 | 0.030 | 0.053 | 0.55 | 0.41 | -0.73 | 1.81E-01 | 0.051 | 0.041 | 1.25 | 0.98 | -1.59 | 0.83 | 7.43E-02 | ERICH1 | intronic |
| 8 | 74049175 | T | C | rs2383886;rs386726678 | 4.90E-05 | 0.359 | 0.299 | 0.76 | 0.68 | -0.86 | 7.49E-02 | 0.298 | 0.326 | 1.13 | 1.01 | -1.27 | 0.92 | 7.53E-02 | SBSPO1(dist=43668), C8orf89(dist=104484) | intergenic |
| 8 | 75910256 | T | A | rs7004616 | 6.49E-05 | 0.154 | 0.120 | 1.33 | 1.14 | -1.56 | 1.36E-01 | 0.121 | 0.133 | 0.90 | 0.77 | -1.05 | 1.11 | 7.57E-02 | CRISPLD1 | intronic |
| 16 | 79595250 | A | G | rs146412242 | 4.83E-05 | 0.062 | 0.041 | 1.53 | 1.2 | -1.97 | 1.58E-01 | 0.038 | 0.043 | 0.88 | 0.67 | -1.15 | 1.19 | 7.59E-02 | WVVOX(dist=348686), MAF(dist=32495) | intergenic |
| 13 | 91441129 | G | A | rs272081 | 1.94E-05 | 0.309 | 0.247 | 1.37 | 1.21 | -1.55 | 8.81E-02 | 0.258 | 0.288 | 0.86 | 0.77 | -0.97 | 1.08 | 7.69E-02 | LINC01049(dist=253534), LINC00410(dist=102079) | intergenic |
| 3 | 63942188 | C | G | rs28675788 | 7.99E-02 | 0.192 | 0.217 | 0.86 | 0.75 | -0.99 | 2.61E-05 | 0.235 | 0.191 | 1.30 | 1.15 | -1.48 | 1.09 | 7.75E-02 | ATXN7 | intronic |
| 16 | 76248410 | A | G | rs2161638 | 8.71E-02 | 0.278 | 0.302 | 0.89 | 0.79 | -1 | 1.61E-05 | 0.319 | 0.273 | 1.25 | 1.11 | -1.4 | 1.09 | 7.75E-02 | TERF2IP(dist=557069), CNTNAP4(dist=62766) | intergenic |
| 3 | 64009102 | G | T | rs35836 | 9.31E-02 | 0.129 | 0.153 | 0.82 | 0.7 | -0.96 | 2.32E-05 | 0.161 | 0.121 | 1.40 | 1.21 | -1.62 | 1.11 | 7.77E-02 | PSMD6 | UTR5 |
| 11 | 104420700 | G | A | rs60064090 | 1.07E-01 | 0.266 | 0.247 | 1.11 | 0.98 | -1.25 | 6.14E-05 | 0.211 | 0.252 | 0.79 | 0.7 | -0.9 | 0.92 | 7.88E-02 | MIR7641-1(dist=297321), LOC102723895(dist=18517) | intergenic |
| 8 | 5977923 | C | A | rs79987071 | 1.76E-01 | 0.108 | 0.126 | 0.85 | 0.71 | -1 | 4.22E-05 | 0.133 | 0.096 | 1.45 | 1.24 | -1.7 | 1.12 | 7.91E-02 | CSMD1(dist=1125595), LOC100287015(dist=283154) | intergenic |
| 6 | 74997693 | G | A | rs9341461 | 1.43E-01 | 0.250 | 0.237 | 1.07 | 0.94 | -1.22 | 5.44E-05 | 0.220 | 0.255 | 0.83 | 0.73 | -0.93 | 0.92 | 7.99E-02 | LOC101928516 | ncRNA_intronic |
| 3 | 63902629 | G | A | rs6770864 | 5.69E-02 | 0.187 | 0.215 | 0.84 | 0.74 | -0.97 | 1.42E-05 | 0.233 | 0.187 | 1.32 | 1.16 | -1. | | | | |

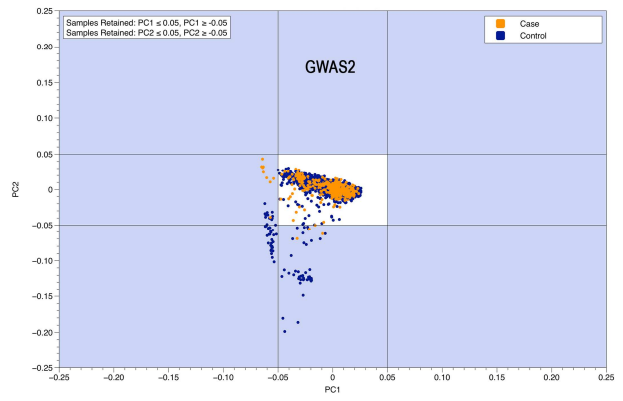
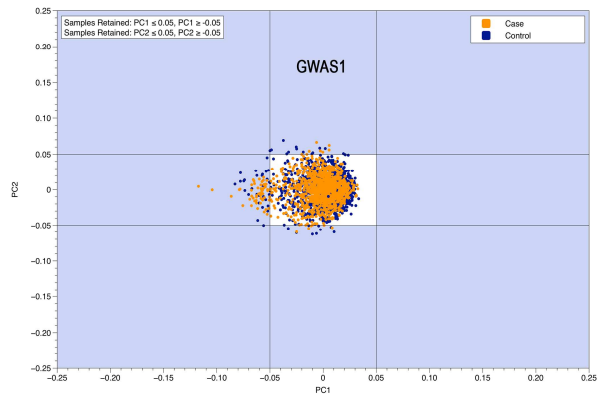
| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 11 | 39603673 | A | G | rs80013527 | 4.11E-05 | 0.042 | 0.028 | 1.52 | 1.13 | -2.05 | 2.24E-01 | 0.034 | 0.037 | 0.92 | 0.69 | -1.22 | 1.25 | 8.22E-02 | LINC01493(dist=926874), LRRC4C(dist=532078) | intergenic |
| 2 | 208189865 | C | T | rs59408366 | 1.25E-01 | 0.144 | 0.126 | 1.16 | 0.99 | -1.36 | 5.38E-05 | 0.112 | 0.149 | 0.72 | 0.61 | -0.85 | 0.90 | 8.23E-02 | MIR1302-4(dist=55717), CREB1(dist=204751) | intergenic |
| 3 | 63857071 | G | A | rs832194 | 5.03E-02 | 0.185 | 0.211 | 1.18 | 1.03 | -1.36 | 1.32E-05 | 0.235 | 0.190 | 0.76 | 0.67 | -0.86 | 0.92 | 8.23E-02 | ATXN7 | intronic |
| 2 | 208190557 | G | A | rs138675833 | 1.28E-01 | 0.144 | 0.126 | 1.16 | 0.99 | -1.36 | 5.87E-05 | 0.112 | 0.149 | 0.72 | 0.61 | -0.85 | 0.90 | 8.29E-02 | MIR1302-4(dist=56409), CREB1(dist=204059) | intergenic |
| 2 | 208189004 | G | C | rs6708803 | 1.22E-01 | 0.144 | 0.126 | 1.16 | 0.99 | -1.36 | 5.23E-05 | 0.111 | 0.148 | 0.72 | 0.61 | -0.84 | 0.90 | 8.33E-02 | MIR1302-4(dist=54856), CREB1(dist=205612) | intergenic |
| 2 | 208189282 | T | C | rs16839629 | 1.23E-01 | 0.144 | 0.126 | 1.16 | 0.99 | -1.36 | 5.32E-05 | 0.111 | 0.149 | 0.72 | 0.61 | -0.84 | 0.90 | 8.34E-02 | MIR1302-4(dist=55134), CREB1(dist=205334) | intergenic |
| 11 | 104436445 | C | T | rs11226428 | 7.93E-02 | 0.266 | 0.245 | 1.12 | 0.98 | -1.27 | 4.39E-05 | 0.210 | 0.252 | 0.79 | 0.7 | -0.9 | 0.92 | 8.41E-02 | MIR7641-1(dist=313066), LOC102723895(dist=2772) | intergenic |
| 10 | 824745 | A | T | rs72786315 | 4.30E-05 | 0.050 | 0.025 | 2.05 | 1.52 | -2.75 | 2.78E-01 | 0.040 | 0.050 | 0.79 | 0.61 | -1.02 | 1.22 | 8.49E-02 | GATA3(dist=131581), LINC00708(dist=52550) | intergenic |
| 10 | 42645582 | A | G | rs11815687 | 5.62E-05 | 0.160 | 0.122 | 0.73 | 0.62 | -0.85 | 3.01E-01 | 0.155 | 0.166 | 1.08 | 0.94 | -1.25 | 0.88 | 8.50E-02 | NONE(dist=NONE), LOC441666(dist=181732) | intergenic |
| 16 | 75689763 | G | A | rs574109873;rs77124775 | 6.38E-05 | 0.081 | 0.056 | 1.49 | 1.2 | -1.85 | 1.98E-01 | 0.057 | 0.064 | 0.88 | 0.71 | -1.1 | 1.15 | 8.54E-02 | TERF2IP | intronic |
| 1 | 151538366 | G | A | rs3790506 | 7.94E-02 | 0.137 | 0.116 | 1.21 | 1.03 | -1.43 | 1.62E-05 | 0.157 | 0.139 | 1.16 | 1 | -1.34 | 1.21 | 8.55E-02 | TUFT1 | intronic |
| 16 | 79530566 | T | C | rs10514458 | 2.69E-05 | 0.114 | 0.089 | 1.32 | 1.1 | -1.58 | 1.32E-01 | 0.084 | 0.089 | 0.94 | 0.78 | -1.13 | 1.16 | 8.66E-02 | WVVOX(dist=284002), MAF(dist=97179) | intergenic |
| 3 | 63841942 | T | C | rs832189 | 4.93E-02 | 0.209 | 0.236 | 1.17 | 1.02 | -1.33 | 1.71E-05 | 0.260 | 0.214 | 0.77 | 0.69 | -0.87 | 0.92 | 8.74E-02 | THOC7 | intronic |
| 8 | 141522710 | C | G | rs74333573 | 8.36E-02 | 0.035 | 0.045 | 0.78 | 0.59 | -1.04 | 8.40E-06 | 0.045 | 0.032 | 1.45 | 1.12 | -1.89 | 0.75 | 8.81E-02 | CHRC1 | intronic |
| 8 | 60034428 | C | T | rs10808698 | 8.10E-06 | 0.031 | 0.047 | 0.65 | 0.48 | -0.86 | 1.03E-01 | 0.055 | 0.053 | 1.04 | 0.83 | -1.31 | 0.84 | 8.91E-02 | TOX(dist=2661), CA8(dist=1066995) | intergenic |
| 7 | 113476939 | G | A | rs35514509 | 1.20E-01 | 0.263 | 0.289 | 0.88 | 0.78 | -0.99 | 2.22E-05 | 0.287 | 0.240 | 1.28 | 1.14 | -1.44 | 1.09 | 8.97E-02 | LINC00998(dist=718302), PPP1R3A(dist=39943) | intergenic |
| 11 | 104424807 | A | G | rs11226426 | 7.13E-02 | 0.266 | 0.245 | 1.12 | 0.99 | -1.27 | 4.36E-05 | 0.211 | 0.252 | 0.79 | 0.7 | -0.9 | 0.92 | 9.01E-02 | MIR7641-1(dist=301428), LOC102723895(dist=14410) | intergenic |
| 10 | 101675641 | T | C | rs12767930 | 4.00E-05 | 0.433 | 0.487 | 0.81 | 0.72 | -0.9 | 2.47E-01 | 0.480 | 0.465 | 1.06 | 0.96 | -1.18 | 0.93 | 9.13E-02 | DNMBP | intronic |
| 3 | 63878340 | G | A | rs372095772;rs704362 | 3.25E-02 | 0.209 | 0.239 | 1.18 | 1.04 | -1.35 | 7.46E-06 | 0.261 | 0.213 | 0.76 | 0.68 | -0.86 | 0.92 | 9.23E-02 | ATXN7 | intronic |
| 10 | 42666096 | A | G | rs7084952 | 3.96E-05 | 0.152 | 0.108 | 0.67 | 0.57 | -0.79 | 2.72E-01 | 0.142 | 0.157 | 1.13 | 0.98 | -1.31 | 0.89 | 9.30E-02 | NONE(dist=NONE), LOC441666(dist=161218) | intergenic |
| 1 | 104474710 | G | A | rs34356428 | 2.19E-02 | 0.244 | 0.268 | 0.88 | 0.78 | -1 | 4.04E-06 | 0.316 | 0.266 | 1.28 | 1.14 | -1.43 | 1.08 | 9.38E-02 | AMY1A(dist=173399), LOC100129138(dist=140935) | intergenic |
| 4 | 139631944 | C | G | rs72937607 | 2.07E-05 | 0.147 | 0.114 | 1.34 | 1.14 | -1.57 | 8.24E-02 | 0.118 | 0.126 | 0.93 | 0.79 | -1.09 | 1.11 | 9.53E-02 | LINC00499(dist=286446), CCRN4L(dist=304969) | intergenic |
| 3 | 63891106 | C | T | rs386661726;rs9850682;rs370104712 | 5.90E-02 | 0.185 | 0.211 | 0.84 | 0.74 | -0.97 | 2.53E-05 | 0.227 | 0.183 | 1.31 | 1.16 | -1.49 | 1.09 | 9.61E-02 | ATXN7 | intronic |
| 16 | 79589798 | C | T | rs116555449 | 5.15E-05 | 0.058 | 0.038 | 1.56 | 1.2 | -2.02 | 1.20E-01 | 0.034 | 0.040 | 0.85 | 0.64 | -1.12 | 1.19 | 9.72E-02 | WVVOX(dist=343234), MAF(dist=37947) | intergenic |
| 10 | 50379773 | A | G | rs2002435 | 1.75E-05 | 0.337 | 0.266 | 0.71 | 0.63 | -0.8 | 1.70E-01 | 0.299 | 0.324 | 1.13 | 1.01 | -1.26 | 0.92 | 9.80E-02 | C10orf128 | intronic |
| 8 | 6009195 | G | C | rs2700822 | 1.32E-01 | 0.078 | 0.091 | 0.84 | 0.69 | -1.02 | 1.47E-05 | 0.099 | 0.068 | 1.50 | 1.25 | -1.8 | 1.14 | 9.94E-02 | CSMD1(dist=1156867), LOC100287015(dist=251882) | intergenic |
| 16 | 79590746 | T | A | rs114592884 | 5.48E-05 | 0.058 | 0.038 | 1.56 | 1.2 | -2.01 | 1.20E-01 | 0.034 | 0.040 | 0.85 | 0.64 | -1.12 | 1.19 | 9.94E-02 | WVVOX(dist=344182), MAF(dist=36999) | intergenic |
| 3 | 63865947 | C | T | rs704374 | 3.21E-02 | 0.184 | 0.212 | 1.20 | 1.04 | -1.37 | 9.31E-06 | 0.234 | 0.188 | 0.76 | 0.67 | -0.86 | 0.92 | 9.95E-02 | ATXN7 | intronic |
| 3 | 63827381 | G | A | rs13059603 | 8.97E-02 | 0.208 | 0.229 | 1.13 | 0.99 | -1.29 | 4.10E-05 | 0.259 | 0.220 | 0.81 | 0.72 | -0.91 | 0.92 | 9.97E-02 | C3orf49 | ncRNA_intronic |
| 8 | 60037660 | C | G | rs12334865 | 8.55E-06 | 0.032 | 0.048 | 0.65 | 0.49 | -0.87 | 1.03E-01 | 0.056 | 0.054 | 1.04 | 0.83 | -1.31 | 0.85 | 9.99E-02 | TOX(dist=5893), CA8(dist=1063763) | intergenic |
| 3 | 63841395 | T | C | rs832188 | 4.63E-02 | 0.193 | 0.219 | 1.17 | 1.02 | -1.34 | 2.29E-05 | 0.243 | 0.199 | 0.77 | 0.68 | -0.88 | 0.92 | 1.00E-01 | THOC7 | intronic |
| 16 | 79591823 | A | G | rs77828881 | 6.09E-05 | 0.057 | 0.038 | 1.55 | 1.2 | -2.01 | 1.25E-01 | 0.034 | 0.040 | 0.85 | 0.64 | -1.12 | 1.19 | 1.00E-01 | WVVOX(dist=345259), MAF(dist=35922) | intergenic |
| 3 | 63865531 | A | G | rs832199 | 3.23E-02 | 0.184 | 0.212 | 1.20 | 1.04 | -1.37 | 9.77E-06 | 0.234 | 0.188 | 0.76 | 0.67 | -0.86 | 0.92 | 1.01E-01 | ATXN7 | intronic |
| 10 | 101672854 | C | G | rs7093297 | 1.87E-05 | 0.421 | 0.477 | 0.80 | 0.71 | -0.89 | 1.48E-01 | 0.479 | 0.461 | 1.07 | 0.97 | -1.19 | 0.94 | 1.07E-01 | DNMBP | intronic |
| 6 | 114403049 | A | C | rs915202 | 8.28E-02 | 0.290 | 0.310 | 0.91 | 0.81 | -1.02 | 5.40E-05 | 0.336 | 0.294 | 1.21 | 1.09 | -1.36 | 1.08 | 1.08E-01 | LOC101927768 | ncRNA_intronic |
| 6 | 114400462 | C | G | rs35877583 | 8.06E-02 | 0.289 | 0.309 | 0.91 | 0.8 | -1.02 | 5.37E-05 | 0.336 | 0.294 | 1.21 | 1.09 | -1.36 | 1.07 | 1.10E-01 | LOC101927768 | ncRNA_intronic |
| 10 | 101662514 | G | A | rs12762327 | 2.72E-05 | 0.390 | 0.444 | 0.80 | 0.72 | -0.9 | 1.70E-01 | 0.446 | 0.428 | 1.07 | 0.97 | -1.19 | 0.94 | 1.12E-01 | DNMBP | intronic |
| 8 | 6006939 | A | G | rs2700727 | 1.13E-01 | 0.078 | 0.093 | 0.83 | 0.68 | -1.01 | 1.67E-05 | 0.100 | 0.069 | 1.50 | 1.25 | -1.8 | 1.13 | 1.16E-01 | CSMD1(dist=1154611), LOC100287015(dist=254138) | intergenic |
| 10 | 101662477 | C | G | rs12761972 | 4.94E-05 | 0.401 | 0.454 | 0.81 | 0.72 | -0.9 | 1.91E-01 | 0.454 | 0.437 | 1.07 | 0.96 | -1.19 | 0.94 | 1.18E-01 | DNMBP | intronic |
| 2 | 208173545 | A | G | rs16839586 | 9.08E-02 | 0.160 | 0.139 | 1.18 | 1.01 | -1.37 | 5.96E-05 | 0.113 | 0.152 | 0.71 | 0.6 | -0.83 | 0.91 | 1.18E-01 | MIR1302-4(dist=39397), CREB1(dist=221071) | intergenic |
| 8 | 3117114 | G | T | rs1442394;rs34604143 | 1.06E-01 | 0.370 | 0.396 | 1.12 | 1 | -1.25 | 5.37E-05 | 0.439 | 0.380 | 0.79 | 0.71 | -0.87 | 0.94 | 1.20E-01 | CSMD1 | intronic |
| 6 | 114398669 | A | G | rs7772117 | 6.41E-02 | 0.294 | 0.315 | 0.91 | 0.81 | -1.02 | 5.37E-05 | 0.336 | 0.294 | 1.21 | 1.09 | -1.36 | 1.07 | 1.20E-01 | LOC101927768 | ncRNA_intronic |
| 18 | 5332365 | G | C | rs550740 | 1.20E-01 | 0.289 | 0.298 | 0.96 | 0.85 | -1.08 | 5.81E-05 | 0.286 | 0.323 | 0.84 | 0.75 | -0.94 | 0.90 | 1.20E-01 | ZBTB14(dist=35313), EPB41L3(dist=60015) | intergenic |
| 10 | 101665298 | A | G | rs7080771 | 6.23E-05 | 0.441 | 0.495 | 0.81 | 0.72 | -0.9 | 1.97E-01 | 0.492 | 0.476 | 1.07 | 0.96 | -1.18 | 0.94 | 1.21E-01 | DNMBP | intronic |
| 8 | 60034920 | A | T | rs74373412 | 8.30E-06 | 0.031 | 0.048 | 0.65 | 0.48 | -0.87 | 7.37E-02 | 0.055 | 0.051 | 1.07 | 0.85 | -1.34 | 0.86 | 1.21E-01 | TOX(dist=3153), CA8(dist=1066503) | intergenic |
| 19 | 50280376 | C | T | rs11671380 | 5.13E-02 | 0.035 | 0.041 | 0.83 | 0.62 | -1.11 | 5.91E-05 | 0.051 | 0.037 | 1.38 | 1.08 | -1.77 | 1.24 | 1.24E-01 | AP2A1 | intronic |
| 3 | 30570181 | G | A | rs75839712 | 2.14E-01 | 0.028 | 0.034 | 0.83 | 0.6 | -1.14 | 3.74E-05 | 0.033 | 0.020 | 1.65 | 1.21 | -2.26 | 1.26 | 1.24E-01 | RBMS3(dist=518295), TGFBR2(dist=77813) | intergenic |
| 8 | 5997132 | G | A | rs2552217 | 1.56E-01 | 0.080 | 0.092 | 0.85 | 0.7 | -1.04 | 4.03E-05 | 0.098 | 0.070 | 1.46 | 1.22 | -1.75 | 1.13 | 1.25E-01 | CSMD1(dist=1144804), LOC100287015(dist=263945) | intergenic |
| 10 | 101671095 | T | C | rs10883420 | 5.89E-05 | 0.432 | 0.485 | 0.81 | 0.72 | -0.9 | 1.82E-01 | 0.481 | 0.465 | 1.07 | 0.96 | -1.18 | 0.94 | 1.26E-01 | DNMBP | intronic |
| 8 | 6003427 | T | C | rs2552226 | 1.09E-01 | 0.079 | 0.094 | 0.83 | 0.68 | -1.01 | 2.30E-05 | 0.101 | 0.070 | 1.49 | 1.24 | -1.78 | 1.13 | 1.28E-01 | CSMD1(dist=1151099), LOC100287015(dist=257650) | intergenic |
| 10 | 42514325 | A | C | rs386743104;rs2204160 | 6.03E-05 | 0.135 | 0.091 | 1.57 | 1.32 | -1.86 | 2.19E-01 | 0.125 | 0.142 | 0.87 | 0.74 | -1.01 | 1.11 | 1.29E-01 | NONE(dist=NONE), LOC441666(dist=312989) | intergenic |
| 20 | 61698888 | C | T | rs139907250 | 1.28E-01 | 0.038 | 0.033 | 1.17 | 0.87 | -1.57 | 3.68E-05 | 0.034 | 0.023 | 1.51 | 1.11 | -2.03 | 1.38 | 1.37E-01 | LOC63930 | ncRNA_intronic |
| 2 | 60416214 | T | A | rs12466652 | 7.00E-02 | 0.170 | 0.172 | 0.99 | 0.85 | -1.14 | 5.64E-05 | 0.207 | 0.184 | 1.16 | 1.02 | -1.32 | 1.09 | 1.38E-01 | LOC101927285(dist=909679), MIR4432(dist=198283) | intergenic |
| 16 | 14027205 | C | T | rs3136134 | 4.76E-05 | 0.075 | 0.110 | 0.65 | 0.54 | -0.79 | 6.14E-02 | 0.101 | 0.081 | 1.26 | 1.06 | -1.51 | 0.90 | 1.39E-01 | ERCC4 | intronic |
| 10 | 24665624 | G | T | rs112253843 | 5.10E-05 | 0.068 | 0.037 | 1.91 | 1.49 | -2.46 | 2.78E-01 | 0.093 | 0.108 | 0.86 | 0.72 | -1.02 | 1.14 | 1.40E-01 | KIAA1217 | intronic |
| 8 | 60147276 | G | C | rs2552265 | 1.02E-01 | 0.271 | 0.297 | 0.88 | 0.78 | -1 | 5.60E-05 | 0.298 | 0.248 | 1.29 | 1.15 | -1.44 | 1.07 | 1.42E-01 | CSMD1(dist=1162398), LOC100287015(dist=246351) | intergenic |
| 1 | 104474307 | C | T | rs12567044 | 3.64E-02 | 0.243 | 0.264 | 0.90 | 0 | | | | | | | | | | | |

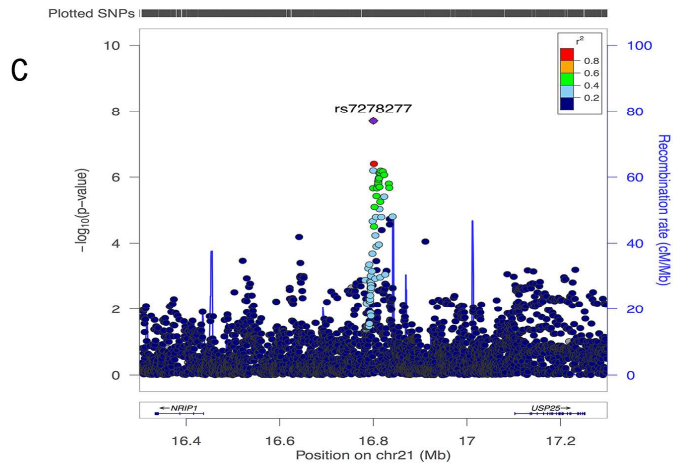
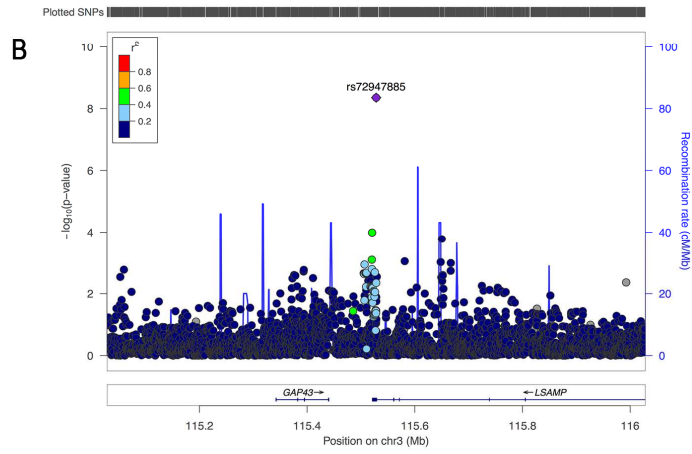
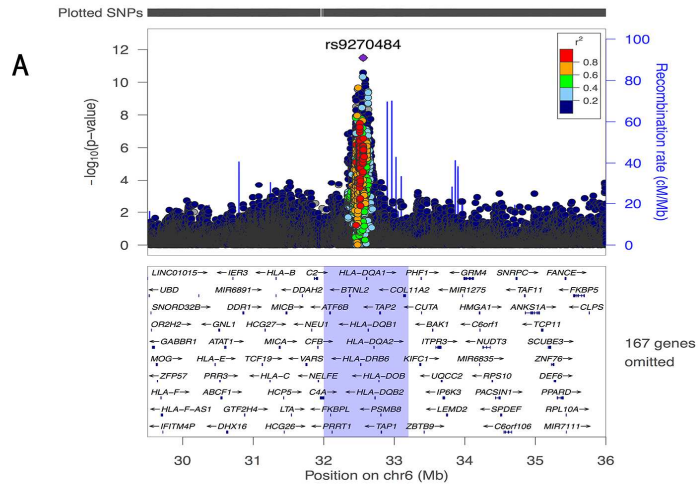
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|----|-----------|---|---|-------------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|--|----------------|
| 16 | 14027638 | G | A | rs3136137 | 5.69E-05 | 0.075 | 0.110 | 0.66 | 0.54 | -0.8 | 5.80E-02 | 0.099 | 0.079 | 1.27 | 1.06 | -1.52 | 0.90 | 1.50E-01 | ERCC4 | intronic |
| 16 | 14027738 | C | G | rs3136140 | 5.69E-05 | 0.075 | 0.110 | 0.66 | 0.54 | -0.8 | 5.78E-02 | 0.099 | 0.079 | 1.27 | 1.06 | -1.52 | 0.90 | 1.50E-01 | ERCC4 | intronic |
| 12 | 44290804 | A | G | rs71696511 | 1.47E-01 | 0.041 | 0.050 | 0.80 | 0.62 | -1.05 | 5.77E-05 | 0.048 | 0.029 | 1.69 | 1.31 | -2.19 | 1.17 | 1.50E-01 | TMEM117 | intronic |
| 10 | 50519197 | T | C | rs11101084 | 5.30E-05 | 0.146 | 0.096 | 1.61 | 1.36 | -1.91 | 1.40E-01 | 0.126 | 0.148 | 0.83 | 0.71 | -0.97 | 1.10 | 1.51E-01 | C10orf71 | intronic |
| 16 | 14026555 | G | T | rs3136126 | 5.59E-05 | 0.075 | 0.110 | 0.65 | 0.54 | -0.8 | 5.85E-02 | 0.099 | 0.080 | 1.27 | 1.06 | -1.52 | 0.90 | 1.53E-01 | ERCC4 | intronic |
| 16 | 14026379 | C | G | rs3136123 | 5.67E-05 | 0.075 | 0.110 | 0.65 | 0.54 | -0.8 | 5.89E-02 | 0.100 | 0.080 | 1.27 | 1.06 | -1.52 | 0.91 | 1.54E-01 | ERCC4 | intronic |
| 1 | 104464676 | C | G | rs7524994 | 1.27E-02 | 0.246 | 0.273 | 0.87 | 0.77 | -0.98 | 8.69E-06 | 0.314 | 0.266 | 1.26 | 1.13 | -1.41 | 1.07 | 1.54E-01 | AMY1A(dist=163365), LOC100129138(dist=150969) | intergenic |
| 16 | 14025892 | C | A | rs3136120 | 5.66E-05 | 0.075 | 0.110 | 0.65 | 0.54 | -0.8 | 5.91E-02 | 0.100 | 0.080 | 1.27 | 1.06 | -1.52 | 0.91 | 1.55E-01 | ERCC4 | intronic |
| 16 | 14021402 | G | A | rs191367455 | 5.48E-05 | 0.075 | 0.110 | 0.65 | 0.54 | -0.79 | 6.06E-02 | 0.100 | 0.081 | 1.27 | 1.06 | -1.52 | 0.91 | 1.56E-01 | ERCC4 | intronic |
| 16 | 14021492 | A | G | rs3136094 | 5.48E-05 | 0.075 | 0.110 | 0.65 | 0.54 | -0.79 | 6.06E-02 | 0.100 | 0.081 | 1.27 | 1.06 | -1.52 | 0.91 | 1.56E-01 | ERCC4 | intronic |
| 16 | 14021149 | C | T | rs113463405 | 5.50E-05 | 0.075 | 0.110 | 0.65 | 0.54 | -0.79 | 6.07E-02 | 0.100 | 0.081 | 1.27 | 1.06 | -1.52 | 0.91 | 1.56E-01 | ERCC4 | intronic |
| 16 | 14020382 | C | G | rs3136091 | 5.59E-05 | 0.075 | 0.110 | 0.65 | 0.54 | -0.8 | 6.13E-02 | 0.100 | 0.081 | 1.27 | 1.06 | -1.52 | 0.91 | 1.57E-01 | ERCC4 | intronic |
| 16 | 14023702 | T | G | rs3136108 | 5.55E-05 | 0.075 | 0.110 | 0.65 | 0.54 | -0.79 | 5.96E-02 | 0.100 | 0.080 | 1.27 | 1.06 | -1.52 | 0.91 | 1.57E-01 | ERCC4 | intronic |
| 16 | 14023652 | C | T | rs3136107 | 5.55E-05 | 0.075 | 0.110 | 0.65 | 0.54 | -0.79 | 5.97E-02 | 0.100 | 0.081 | 1.27 | 1.06 | -1.52 | 0.91 | 1.57E-01 | ERCC4 | intronic |
| 16 | 14022944 | G | A | rs3136098 | 5.53E-05 | 0.075 | 0.110 | 0.65 | 0.54 | -0.79 | 5.99E-02 | 0.100 | 0.081 | 1.27 | 1.06 | -1.52 | 0.91 | 1.57E-01 | ERCC4 | intronic |
| 19 | 7270149 | C | T | rs34380919 | 1.52E-01 | 0.074 | 0.064 | 1.16 | 0.94 | -1.44 | 3.87E-05 | 0.070 | 0.059 | 1.19 | 0.97 | -1.47 | 1.19 | 1.58E-01 | INSR | intronic |
| 10 | 101656449 | A | G | rs7090333 | 4.43E-05 | 0.438 | 0.493 | 0.80 | 0.72 | -0.9 | 1.26E-01 | 0.491 | 0.472 | 1.08 | 0.97 | -1.2 | 0.94 | 1.58E-01 | DNMBP | intronic |
| 16 | 14026764 | G | A | rs3136129 | 4.70E-05 | 0.070 | 0.104 | 0.65 | 0.53 | -0.79 | 4.01E-02 | 0.091 | 0.072 | 1.29 | 1.07 | -1.55 | 0.90 | 1.60E-01 | ERCC4 | intronic |
| 16 | 14025566 | C | T | rs3136116 | 6.19E-05 | 0.075 | 0.110 | 0.66 | 0.54 | -0.8 | 5.85E-02 | 0.100 | 0.080 | 1.27 | 1.06 | -1.52 | 0.91 | 1.61E-01 | ERCC4 | intronic |
| 8 | 5996685 | G | A | rs2570702 | 6.87E-02 | 0.093 | 0.111 | 0.83 | 0.69 | -0.99 | 9.46E-06 | 0.116 | 0.083 | 1.46 | 1.23 | -1.73 | 1.11 | 1.63E-01 | CSMD1(dist=1144357), LOC100287015(dist=264392) | intergenic |
| 20 | 61692474 | A | G | rs151267029 | 1.54E-01 | 0.038 | 0.034 | 1.15 | 0.86 | -1.54 | 7.20E-06 | 0.041 | 0.027 | 1.51 | 1.15 | -2 | 1.35 | 1.63E-01 | LOC63930 | ncRNA_intronic |
| 1 | 104473089 | T | C | rs11185336 | 1.02E-02 | 0.273 | 0.302 | 0.86 | 0.77 | -0.98 | 9.33E-06 | 0.345 | 0.294 | 1.27 | 1.13 | -1.41 | 1.06 | 1.64E-01 | AMY1A(dist=171778), LOC100129138(dist=142556) | intergenic |
| 10 | 42638556 | T | G | rs7919062;rs66502870 | 3.15E-05 | 0.163 | 0.117 | 0.68 | 0.58 | -0.8 | 1.36E-01 | 0.156 | 0.175 | 1.15 | 0.99 | -1.32 | 0.91 | 1.68E-01 | NONE(dist=NONE), LOC441666(dist=188758) | intergenic |
| 1 | 104473412 | C | T | rs10881523 | 1.10E-02 | 0.274 | 0.304 | 0.86 | 0.77 | -0.98 | 8.97E-06 | 0.344 | 0.293 | 1.27 | 1.13 | -1.41 | 1.06 | 1.69E-01 | AMY1A(dist=172101), LOC100129138(dist=142233) | intergenic |
| 8 | 5991436 | G | A | rs2552211 | 7.49E-02 | 0.126 | 0.149 | 0.82 | 0.7 | -0.97 | 5.63E-05 | 0.144 | 0.106 | 1.42 | 1.22 | -1.66 | 1.09 | 1.73E-01 | CSMD1(dist=1139108), LOC100287015(dist=269641) | intergenic |
| 14 | 69565193 | T | G | rs11628126 | 3.32E-05 | 0.402 | 0.468 | 1.31 | 1.17 | -1.46 | 2.89E-02 | 0.453 | 0.423 | 0.89 | 0.8 | -0.98 | 1.06 | 1.80E-01 | DCAF5 | intronic |
| 8 | 60043089 | T | G | rs77717207 | 5.39E-05 | 0.032 | 0.045 | 0.70 | 0.52 | -0.94 | 8.09E-02 | 0.056 | 0.053 | 1.05 | 0.83 | -1.31 | 0.87 | 1.88E-01 | TOX(dist=11322), CA8(dist=1058334) | intergenic |
| 16 | 14021276 | C | T | rs113015597 | 6.03E-05 | 0.076 | 0.111 | 0.66 | 0.54 | -0.8 | 4.49E-02 | 0.103 | 0.083 | 1.27 | 1.07 | -1.52 | 0.91 | 1.88E-01 | ERCC4 | intronic |
| 10 | 42478914 | T | C | rs9794164 | 4.18E-05 | 0.147 | 0.100 | 1.56 | 1.32 | -1.84 | 1.07E-01 | 0.131 | 0.152 | 0.84 | 0.73 | -0.98 | 1.09 | 1.90E-01 | NONE(dist=NONE), LOC441666(dist=348400) | intergenic |
| 6 | 47821531 | A | G | rs73475571 | 7.40E-02 | 0.033 | 0.026 | 1.28 | 0.93 | -1.77 | 6.36E-05 | 0.014 | 0.028 | 0.50 | 0.33 | -0.76 | 0.84 | 1.92E-01 | OPN5(dist=27415), PTHCHD4(dist=24233) | intergenic |
| 8 | 5990456 | A | G | rs2700824 | 5.34E-02 | 0.115 | 0.139 | 0.81 | 0.68 | -0.95 | 6.02E-05 | 0.139 | 0.101 | 1.44 | 1.23 | -1.68 | 1.09 | 1.93E-01 | CSMD1(dist=1138128), LOC100287015(dist=270621) | intergenic |
| 12 | 44290544 | C | T | rs114079287;rs386762605 | 1.00E-01 | 0.038 | 0.048 | 0.77 | 0.59 | -1.02 | 5.79E-05 | 0.048 | 0.029 | 1.69 | 1.31 | -2.19 | 1.15 | 1.96E-01 | TMEM117 | intronic |
| 10 | 42607692 | T | C | rs10899776;rs386743106 | 6.01E-05 | 0.177 | 0.132 | 0.71 | 0.61 | -0.82 | 1.45E-01 | 0.168 | 0.186 | 1.13 | 0.99 | -1.13 | 0.92 | 1.97E-01 | NONE(dist=NONE), LOC441666(dist=219622) | intergenic |
| 8 | 60021908 | C | T | rs16924609 | 1.60E-05 | 0.032 | 0.045 | 0.70 | 0.52 | -0.93 | 3.39E-02 | 0.052 | 0.047 | 1.10 | 0.87 | -1.4 | 0.86 | 2.00E-01 | TOX | intronic |
| 4 | 185023159 | T | A | rs4482809 | 1.90E-05 | 0.203 | 0.256 | 0.74 | 0.65 | -0.84 | 1.34E-02 | 0.256 | 0.226 | 1.18 | 1.05 | -1.33 | 0.94 | 2.03E-01 | ENPP6 | intronic |
| 10 | 101654696 | T | C | rs3758394 | 3.98E-05 | 0.447 | 0.494 | 0.83 | 0.74 | -0.92 | 7.71E-02 | 0.508 | 0.488 | 1.08 | 0.97 | -1.12 | 0.95 | 2.13E-01 | DNMBP | intronic |
| 13 | 78943559 | G | A | rs78562126 | 2.15E-01 | 0.018 | 0.023 | 0.79 | 0.54 | -1.18 | 2.92E-05 | 0.033 | 0.022 | 1.48 | 1.09 | -2.01 | 0.77 | 2.24E-01 | RNF219-AS1 | ncRNA_intronic |
| 16 | 16246164 | T | G | rs11075299 | 6.26E-05 | 0.117 | 0.080 | 1.53 | 1.27 | -1.84 | 6.50E-02 | 0.088 | 0.108 | 0.79 | 0.66 | -0.95 | 1.09 | 2.26E-01 | ABCC6 | intronic |
| 1 | 242330417 | T | A | rs199764889;rs12564355 | 1.92E-05 | 0.208 | 0.172 | 1.26 | 1.1 | -1.45 | 1.01E-02 | 0.155 | 0.173 | 0.88 | 0.76 | -1.01 | 1.07 | 2.27E-01 | PLD5 | intronic |
| 13 | 78943318 | G | A | rs75119373 | 2.18E-01 | 0.018 | 0.023 | 0.80 | 0.54 | -1.18 | 2.38E-05 | 0.032 | 0.021 | 1.50 | 1.1 | -2.05 | 0.77 | 2.27E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78943028 | C | T | rs117152880 | 2.18E-01 | 0.018 | 0.023 | 0.80 | 0.54 | -1.18 | 2.38E-05 | 0.032 | 0.021 | 1.50 | 1.1 | -2.05 | 0.77 | 2.27E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78942393 | G | A | rs77452499 | 2.19E-01 | 0.018 | 0.023 | 0.80 | 0.54 | -1.18 | 2.38E-05 | 0.032 | 0.021 | 1.50 | 1.1 | -2.05 | 0.77 | 2.28E-01 | RNF219-AS1 | ncRNA_intronic |
| 11 | 61060654 | G | A | rs111341988 | 2.28E-01 | 0.025 | 0.026 | 0.96 | 0.68 | -1.36 | 2.66E-05 | 0.045 | 0.036 | 1.27 | 0.98 | -1.64 | 0.76 | 2.34E-01 | VWCE | intronic |
| 6 | 114410561 | T | A | rs35680201 | 1.58E-02 | 0.257 | 0.288 | 0.86 | 0.76 | -0.97 | 4.40E-05 | 0.305 | 0.258 | 1.26 | 1.13 | -1.42 | 1.06 | 2.36E-01 | LOC101927768 | ncRNA_intronic |
| 16 | 83965086 | G | T | rs144213123 | 2.25E-01 | 0.033 | 0.029 | 1.15 | 0.83 | -1.57 | 4.78E-06 | 0.034 | 0.021 | 1.65 | 1.22 | -2.24 | 1.26 | 2.43E-01 | MLYCD(dist=15299), OSGIN1(dist=21741) | intergenic |
| 13 | 78935905 | A | C | rs80255344 | 2.39E-01 | 0.021 | 0.026 | 0.81 | 0.56 | -1.17 | 1.27E-05 | 0.034 | 0.023 | 1.49 | 1.1 | -2.02 | 0.79 | 2.48E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78822358 | A | G | rs76763033 | 2.40E-01 | 0.018 | 0.023 | 0.78 | 0.53 | -1.15 | 5.97E-06 | 0.034 | 0.023 | 1.52 | 1.12 | -2.05 | 0.78 | 2.49E-01 | RNF219-AS1 | ncRNA_intronic |
| 10 | 49458749 | G | A | rs1652244 | 5.78E-05 | 0.121 | 0.078 | 0.61 | 0.51 | -0.73 | 4.71E-02 | 0.101 | 0.122 | 1.23 | 1.04 | -1.46 | 0.91 | 2.49E-01 | FRMPD2 | intronic |
| 4 | 185022370 | G | A | rs4285130 | 4.60E-05 | 0.191 | 0.241 | 0.74 | 0.65 | -0.85 | 1.46E-02 | 0.240 | 0.212 | 1.18 | 1.04 | -1.33 | 0.95 | 2.50E-01 | ENPP6 | intronic |
| 13 | 112324131 | G | T | rs11842981;rs35218042 | 2.42E-01 | 0.142 | 0.139 | 1.02 | 0.87 | -1.19 | 6.02E-05 | 0.152 | 0.122 | 1.30 | 1.12 | -1.51 | 1.11 | 2.51E-01 | TEX29(dist=327537), LINC00354(dist=223561) | intergenic |
| 9 | 3852115 | C | A | rs7868369 | 3.48E-05 | 0.422 | 0.492 | 1.33 | 1.19 | -1.48 | 1.09E-02 | 0.476 | 0.433 | 0.84 | 0.76 | -0.93 | 1.05 | 2.65E-01 | GLIS3 | intronic |
| 13 | 78832827 | C | T | rs77583205 | 2.59E-01 | 0.019 | 0.024 | 0.79 | 0.54 | -1.16 | 8.28E-06 | 0.034 | 0.023 | 1.51 | 1.12 | -2.05 | 0.80 | 2.68E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78833053 | T | C | rs115696291 | 2.62E-01 | 0.019 | 0.024 | 0.79 | 0.54 | -1.16 | 8.41E-06 | 0.034 | 0.023 | 1.51 | 1.12 | -2.05 | 0.80 | 2.71E-01 | RNF219-AS1 | ncRNA_intronic |
| 5 | 88991920 | A | G | rs4916670 | 2.65E-02 | 0.426 | 0.403 | 0.91 | 0.81 | -1.01 | 2.55E-05 | 0.355 | 0.397 | 1.20 | 1.08 | -1.34 | 1.05 | 2.71E-01 | MEF2C-AS1(dist=663727), MIR3660(dist=320518) | intergenic |
| 10 | 42470330 | C | T | rs11265985 | 1.92E-05 | 0.141 | 0.093 | 1.59 | 1.34 | -1.89 | 4.11E-02 | 0.117 | 0.140 | 0.81 | 0.69 | -0.95 | 1.08 | 2.74E-01 | NONE(dist=NONE), LOC441666(dist=356984) | intergenic |
| 4 | 185019825 | C | G | rs12512435 | 4.51E-05 | 0.196 | 0.247 | 0.75 | 0.65 | -0.85 | 1.06E-02 | 0.246 | 0.216 | 1.18 | 1.05 | -1.34 | 0.95 | 2.81E-01 | ENPP6 | intronic |
| 6 | 166915505 | G | A | rs115816393 | 2.71E-01 | 0.041 | 0.050 | 0.81 | 0.62 | -1.06 | 6.06E-06 | 0.059 | 0.040 | 1.50 | 1.19 | -1.89 | 0.85 | 2.84E-01 | RPS6KA2 | intronic |
| 6 | 166915041 | C | T | rs16899021 | 2.71E-01 | 0.041 | 0.050 | 0.81 | 0.62 | -1.06 | 5.86E-06 | 0.059 | 0.040 | 1.50 | 1.19 | -1.89 | 0.85 | 2.84E-01 | RPS6 | |

| | | | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-----------------------|----------|-------|-------|------|------|-------|----------|-------|-------|------|------|-------|------|----------|---|----------------|
| 13 | 78937309 | G | T | rs76213407 | 2.84E-01 | 0.020 | 0.024 | 0.82 | 0.56 | -1.2 | 2.83E-05 | 0.032 | 0.022 | 1.49 | 1.09 | -2.04 | 0.80 | 2.93E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78936893 | A | G | rs116899733 | 2.84E-01 | 0.020 | 0.024 | 0.82 | 0.56 | -1.2 | 2.83E-05 | 0.032 | 0.022 | 1.49 | 1.09 | -2.04 | 0.80 | 2.93E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78926490 | T | C | rs75214321 | 2.84E-01 | 0.020 | 0.024 | 0.82 | 0.56 | -1.2 | 2.86E-05 | 0.032 | 0.022 | 1.49 | 1.09 | -2.04 | 0.80 | 2.93E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78925903 | C | T | rs78058983 | 2.85E-01 | 0.020 | 0.024 | 0.82 | 0.56 | -1.2 | 2.87E-05 | 0.032 | 0.022 | 1.49 | 1.09 | -2.04 | 0.80 | 2.94E-01 | RNF219-AS1 | ncRNA_intronic |
| 10 | 42431115 | T | C | rs12219843 | 4.12E-05 | 0.143 | 0.097 | 1.56 | 1.32 | -1.84 | 7.30E-02 | 0.128 | 0.150 | 0.83 | 0.71 | -0.97 | 1.07 | 2.95E-01 | NONE(dist=NONE), LOC441666(dist=396199) | intergenic |
| 10 | 42484520 | G | C | rs2878325 | 4.31E-05 | 0.140 | 0.093 | 1.58 | 1.33 | -1.87 | 4.95E-02 | 0.118 | 0.140 | 0.82 | 0.7 | -0.96 | 1.07 | 2.97E-01 | NONE(dist=NONE), LOC441666(dist=342794) | intergenic |
| 10 | 42479888 | G | A | rs11265998 | 2.43E-05 | 0.142 | 0.094 | 1.59 | 1.34 | -1.88 | 4.00E-02 | 0.119 | 0.143 | 0.81 | 0.69 | -0.95 | 1.07 | 2.99E-01 | NONE(dist=NONE), LOC441666(dist=347426) | intergenic |
| 10 | 42482202 | G | A | rs11528798 | 4.46E-05 | 0.140 | 0.093 | 1.58 | 1.33 | -1.87 | 4.94E-02 | 0.117 | 0.140 | 0.82 | 0.7 | -0.96 | 1.07 | 3.00E-01 | NONE(dist=NONE), LOC441666(dist=345112) | intergenic |
| 7 | 99203037 | T | G | rs147230959 | 3.00E-01 | 0.030 | 0.034 | 0.89 | 0.65 | -1.22 | 1.21E-05 | 0.040 | 0.026 | 1.56 | 1.18 | -2.07 | 0.81 | 3.02E-01 | GS1-259H13.2 | intronic |
| 10 | 42451897 | C | T | rs1603828 | 2.06E-05 | 0.143 | 0.095 | 1.59 | 1.34 | -1.88 | 3.78E-02 | 0.117 | 0.141 | 0.81 | 0.69 | -0.95 | 1.07 | 3.06E-01 | NONE(dist=NONE), LOC441666(dist=375417) | intergenic |
| 13 | 78878767 | G | A | rs74566709 | 2.97E-01 | 0.022 | 0.027 | 0.83 | 0.58 | -1.19 | 6.80E-06 | 0.034 | 0.023 | 1.52 | 1.12 | -2.05 | 0.82 | 3.06E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78878024 | T | A | rs79617112 | 2.99E-01 | 0.022 | 0.027 | 0.83 | 0.58 | -1.19 | 6.99E-06 | 0.034 | 0.023 | 1.52 | 1.12 | -2.05 | 0.82 | 3.08E-01 | RNF219-AS1 | ncRNA_intronic |
| 16 | 16268868 | G | A | rs12931553 | 6.28E-05 | 0.110 | 0.072 | 1.59 | 1.32 | -1.93 | 4.89E-02 | 0.096 | 0.122 | 0.77 | 0.65 | -0.92 | 1.07 | 3.09E-01 | ABCC6 | intronic |
| 13 | 78846263 | G | A | rs79854491 | 3.01E-01 | 0.020 | 0.025 | 0.81 | 0.56 | -1.18 | 1.14E-05 | 0.034 | 0.023 | 1.51 | 1.11 | -2.04 | 0.82 | 3.10E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78835361 | T | C | rs80187665 | 3.01E-01 | 0.020 | 0.025 | 0.81 | 0.56 | -1.18 | 1.03E-05 | 0.034 | 0.023 | 1.51 | 1.12 | -2.04 | 0.82 | 3.10E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78837277 | T | A | rs78474623 | 3.01E-01 | 0.020 | 0.025 | 0.81 | 0.56 | -1.18 | 1.04E-05 | 0.034 | 0.023 | 1.51 | 1.12 | -2.04 | 0.82 | 3.10E-01 | RNF219-AS1 | ncRNA_intronic |
| 7 | 95636259 | C | T | rs319316 | 4.97E-02 | 0.028 | 0.038 | 0.74 | 0.54 | -1.01 | 4.68E-05 | 0.041 | 0.025 | 1.67 | 1.26 | -2.22 | 1.14 | 3.11E-01 | DYNC111 | intronic |
| 13 | 78873846 | G | T | rs77618544 | 3.14E-01 | 0.022 | 0.026 | 0.83 | 0.57 | -1.19 | 8.53E-06 | 0.034 | 0.023 | 1.51 | 1.12 | -2.05 | 0.82 | 3.23E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78873440 | G | A | rs76711188 | 3.14E-01 | 0.022 | 0.026 | 0.83 | 0.57 | -1.19 | 8.54E-06 | 0.034 | 0.023 | 1.51 | 1.12 | -2.05 | 0.82 | 3.24E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78872166 | T | C | rs76054032 | 3.15E-01 | 0.022 | 0.026 | 0.83 | 0.57 | -1.19 | 8.76E-06 | 0.034 | 0.023 | 1.51 | 1.12 | -2.05 | 0.82 | 3.24E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78856257 | A | C | rs76219190 | 3.17E-01 | 0.021 | 0.026 | 0.82 | 0.57 | -1.19 | 1.06E-05 | 0.034 | 0.023 | 1.51 | 1.12 | -2.04 | 0.82 | 3.26E-01 | RNF219-AS1 | ncRNA_intronic |
| 13 | 78861066 | T | C | rs78222135 | 3.19E-01 | 0.021 | 0.026 | 0.82 | 0.57 | -1.19 | 1.02E-05 | 0.034 | 0.023 | 1.51 | 1.12 | -2.04 | 0.82 | 3.28E-01 | RNF219-AS1 | ncRNA_intronic |
| 17 | 78256045 | G | A | rs10871506;rs71354808 | 3.32E-01 | 0.315 | 0.320 | 0.98 | 0.87 | -1.11 | 1.02E-06 | 0.383 | 0.346 | 1.17 | 1.05 | -1.31 | 0.94 | 3.29E-01 | RNF213 | intronic |
| 10 | 42430265 | A | C | rs11266164 | 3.02E-05 | 0.136 | 0.091 | 1.57 | 1.32 | -1.86 | 6.62E-02 | 0.120 | 0.142 | 0.82 | 0.7 | -0.96 | 1.07 | 3.32E-01 | NONE(dist=NONE), LOC441666(dist=397049) | intergenic |
| 16 | 83963096 | C | T | rs138126554 | 3.21E-01 | 0.033 | 0.030 | 1.10 | 0.8 | -1.51 | 3.76E-06 | 0.035 | 0.021 | 1.65 | 1.22 | -2.24 | 1.21 | 3.40E-01 | MLYCD(dist=13309), OSGIN1(dist=23731) | intergenic |
| 4 | 171983768 | C | T | rs13110811 | 6.21E-05 | 0.060 | 0.078 | 0.75 | 0.6 | -0.93 | 1.78E-02 | 0.088 | 0.083 | 1.07 | 0.89 | -1.29 | 0.93 | 3.40E-01 | LOC100506122(dist=3457), MIR6082(dist=123567) | intergenic |
| 16 | 83964828 | C | G | rs146022777 | 3.30E-01 | 0.032 | 0.029 | 1.10 | 0.8 | -1.52 | 3.77E-06 | 0.035 | 0.021 | 1.65 | 1.22 | -2.23 | 1.21 | 3.49E-01 | MLYCD(dist=15041), OSGIN1(dist=21999) | intergenic |
| 16 | 83965094 | G | T | rs148719447 | 3.51E-01 | 0.032 | 0.029 | 1.10 | 0.8 | -1.51 | 4.17E-06 | 0.035 | 0.022 | 1.64 | 1.21 | -2.21 | 1.20 | 3.69E-01 | MLYCD(dist=15307), OSGIN1(dist=21733) | intergenic |
| 6 | 44150486 | G | T | rs3734700 | 3.57E-01 | 0.050 | 0.048 | 0.95 | 0.74 | -1.22 | 1.67E-05 | 0.091 | 0.084 | 0.91 | 0.76 | -1.1 | 1.17 | 3.70E-01 | CAPN11 | intronic |
| 6 | 32492887 | A | T | rs112747517 | 1.64E-05 | 0.067 | 0.086 | 0.76 | 0.62 | -0.94 | 3.58E-01 | 0.110 | 0.123 | 0.89 | 0.75 | -1.05 | 0.91 | 3.73E-01 | HLA-DRB5 | intronic |
| 1 | 104480469 | G | T | rs12731458 | 3.42E-03 | 0.288 | 0.325 | 0.84 | 0.75 | -0.95 | 3.70E-05 | 0.347 | 0.299 | 1.25 | 1.12 | -1.39 | 1.04 | 3.78E-01 | AMY1A(dist=179158), LOC100129138(dist=135176) | intergenic |
| 9 | 117605524 | G | A | rs140546987 | 3.70E-01 | 0.036 | 0.034 | 1.06 | 0.79 | -1.42 | 2.30E-06 | 0.036 | 0.024 | 1.49 | 1.11 | -2.01 | 1.16 | 3.84E-01 | TNFSF15(dist=37116), TNFSF8(dist=50099) | intergenic |
| 17 | 19619053 | C | G | rs12450979 | 3.87E-01 | 0.031 | 0.024 | 1.30 | 0.93 | -1.81 | 1.12E-05 | 0.043 | 0.034 | 1.30 | 1 | -1.69 | 1.21 | 3.85E-01 | SLC47A2 | intronic |
| 9 | 117585897 | G | C | rs56211063 | 3.78E-01 | 0.051 | 0.048 | 1.05 | 0.82 | -1.36 | 3.77E-05 | 0.058 | 0.041 | 1.43 | 1.13 | -1.8 | 1.13 | 3.92E-01 | TNFSF15(dist=17489), TNFSF8(dist=69726) | intergenic |
| 19 | 36485438 | C | A | rs77694703 | 1.05E-02 | 0.037 | 0.054 | 0.68 | 0.52 | -0.89 | 3.23E-05 | 0.056 | 0.037 | 1.55 | 1.22 | -1.96 | 1.10 | 3.94E-01 | SDHAF1 | upstream |
| 7 | 120481 | G | A | rs114059049 | 4.06E-01 | 0.024 | 0.022 | 1.07 | 0.74 | -1.54 | 1.00E-05 | 0.031 | 0.020 | 1.54 | 1.12 | -2.11 | 1.23 | 4.08E-01 | NONE(dist=NONE), LOC100507642(dist=29237) | intergenic |
| 9 | 117574220 | G | A | rs55768522 | 4.18E-01 | 0.052 | 0.050 | 1.05 | 0.82 | -1.34 | 5.73E-05 | 0.059 | 0.042 | 1.43 | 1.13 | -1.8 | 1.12 | 4.31E-01 | TNFSF15(dist=5812), TNFSF8(dist=81403) | intergenic |
| 1 | 12108834 | T | C | rs28375907 | 4.51E-01 | 0.267 | 0.276 | 0.95 | 0.84 | -1.08 | 1.58E-05 | 0.242 | 0.275 | 0.84 | 0.74 | -0.95 | 0.94 | 4.60E-01 | MIIP(dist=16728), TNFRSF8(dist=14600) | intergenic |
| 19 | 36491745 | G | A | rs116703004 | 9.97E-03 | 0.037 | 0.054 | 0.68 | 0.51 | -0.89 | 6.03E-05 | 0.054 | 0.036 | 1.54 | 1.21 | -1.96 | 1.08 | 4.76E-01 | SDHAF1(dist=4525), SYNE4(dist=2257) | intergenic |
| 7 | 120808 | C | T | rs138892364 | 4.82E-01 | 0.028 | 0.026 | 1.06 | 0.76 | -1.48 | 7.57E-06 | 0.032 | 0.021 | 1.53 | 1.12 | -2.09 | 1.15 | 4.84E-01 | NONE(dist=NONE), LOC100507642(dist=28910) | intergenic |
| 17 | 76314189 | A | G | rs4429354 | 5.15E-01 | 0.030 | 0.025 | 0.84 | 0.61 | -1.18 | 4.21E-05 | 0.056 | 0.047 | 0.84 | 0.67 | -1.06 | 0.87 | 5.12E-01 | LOC100996291(dist=39616), SOCS3(dist=38669) | intergenic |
| 9 | 140428047 | C | A | rs821309 | 5.04E-01 | 0.497 | 0.495 | 0.99 | 0.89 | -1.11 | 4.04E-05 | 0.455 | 0.481 | 0.90 | 0.81 | -1 | 1.04 | 5.17E-01 | PNPLA7 | intronic |
| 16 | 81795129 | T | A | rs114848866 | 5.38E-01 | 0.041 | 0.040 | 1.00 | 0.76 | -1.33 | 5.52E-06 | 0.048 | 0.035 | 1.39 | 1.08 | -1.79 | 1.11 | 5.53E-01 | CMIP(dist=49762), PLCG2(dist=17734) | intergenic |
| 1 | 60847989 | C | T | rs61801065 | 6.30E-01 | 0.037 | 0.036 | 1.04 | 0.78 | -1.39 | 1.25E-05 | 0.060 | 0.044 | 1.39 | 1.11 | -1.75 | 1.09 | 6.37E-01 | C1orf87(dist=308547), LOC101926964(dist=277314) | intergenic |
| 19 | 53850971 | T | C | rs4803095 | 6.53E-01 | 0.039 | 0.036 | 0.93 | 0.7 | -1.25 | 1.20E-05 | 0.067 | 0.059 | 0.88 | 0.71 | -1.08 | 1.09 | 6.57E-01 | ZNF845 | intronic |
| 21 | 45515347 | T | G | rs9984123 | 6.50E-01 | 0.156 | 0.153 | 0.97 | 0.84 | -1.13 | 1.29E-05 | 0.172 | 0.152 | 0.86 | 0.75 | -0.99 | 1.04 | 6.58E-01 | TRAPPC10 | intronic |
| 1 | 99728334 | G | A | rs79754822 | 6.59E-01 | 0.031 | 0.029 | 1.07 | 0.77 | -1.47 | 3.99E-06 | 0.068 | 0.056 | 1.23 | 0.99 | -1.52 | 0.91 | 6.65E-01 | LOC100129620(dist=113926), LPPR4(dist=1514) | intergenic |
| 6 | 10533751 | T | C | rs142960138 | 6.57E-01 | 0.044 | 0.043 | 1.02 | 0.78 | -1.34 | 5.79E-05 | 0.053 | 0.037 | 1.47 | 1.15 | -1.87 | 1.08 | 6.66E-01 | GCNT2 | intronic |
| 18 | 5323289 | G | A | rs1940954 | 6.67E-01 | 0.220 | 0.199 | 1.14 | 0.99 | -1.3 | 2.76E-05 | 0.214 | 0.264 | 0.76 | 0.67 | -0.86 | 1.03 | 6.68E-01 | ZBTB14(dist=26237), EPB41L3(dist=69091) | intergenic |
| 2 | 8009840 | C | T | rs114622424 | 6.85E-01 | 0.036 | 0.041 | 0.87 | 0.66 | -1.16 | 2.24E-05 | 0.036 | 0.025 | 1.50 | 1.12 | -2.01 | 0.93 | 6.90E-01 | LOC100506274(dist=419459), LOC101929551(dist=17058) | intergenic |
| 9 | 139510151 | T | C | rs914745 | 6.89E-01 | 0.487 | 0.480 | 1.03 | 0.92 | -1.15 | 6.30E-05 | 0.470 | 0.497 | 1.12 | 1.01 | -1.24 | 1.03 | 6.97E-01 | LINC01573(dist=65955), EGF7L7(dist=47228) | intergenic |
| 17 | 78408057 | C | T | rs41302844 | 6.99E-01 | 0.024 | 0.021 | 1.15 | 0.8 | -1.66 | 8.41E-06 | 0.061 | 0.048 | 1.29 | 1.03 | -1.61 | 1.08 | 6.97E-01 | ENDOV | intronic |
| 6 | 10531675 | C | T | rs78333635 | 6.96E-01 | 0.044 | 0.043 | 1.02 | 0.78 | -1.33 | 6.29E-05 | 0.053 | 0.037 | 1.46 | 1.15 | -1.87 | 1.07 | 7.04E-01 | GCNT2 | intronic |
| 6 | 258786 | C | A | rs12208661 | 6.96E-01 | 0.128 | 0.134 | 0.95 | 0.81 | -1.11 | 5.34E-05 | 0.101 | 0.122 | 0.80 | 0.68 | -0.95 | 0.96 | 7.04E-01 | LOC285766(dist=53302), DUSP22(dist=33271) | intergenic |
| 17 | 78408213 | C | G | rs4494603 | 7.09E-01 | 0.024 | 0.021 | 1.15 | 0.8 | -1.66 | 8.63E-06 | 0.061 | 0.048 | 1.29 | 1.03 | -1.61 | 1.08 | 7.07E-01 | ENDOV | intronic |
| 9 | 139166504 | C | A | rs78078529 | 7.01E-01 | 0.042 | 0.043 | 0.99 | 0.75 | -1.3 | 5.90E-05 | 0.035 | 0.026 | 1.35 | 1 | -1.81 | 1.08 | 7.10E-01 | QSX2(dist=28817), DKFZP434A062(dist=50494) | intergenic |
| 6 | 32456318 | C | A | rs116644119 | 3.39E-05 | 0.071 | 0.089 | 0.78 | 0.63 | -0.95 | 7.07E-01 | 0.100 | 0.106 | 0.94 | 0.79 | -1.11 | 0.96 | | | |

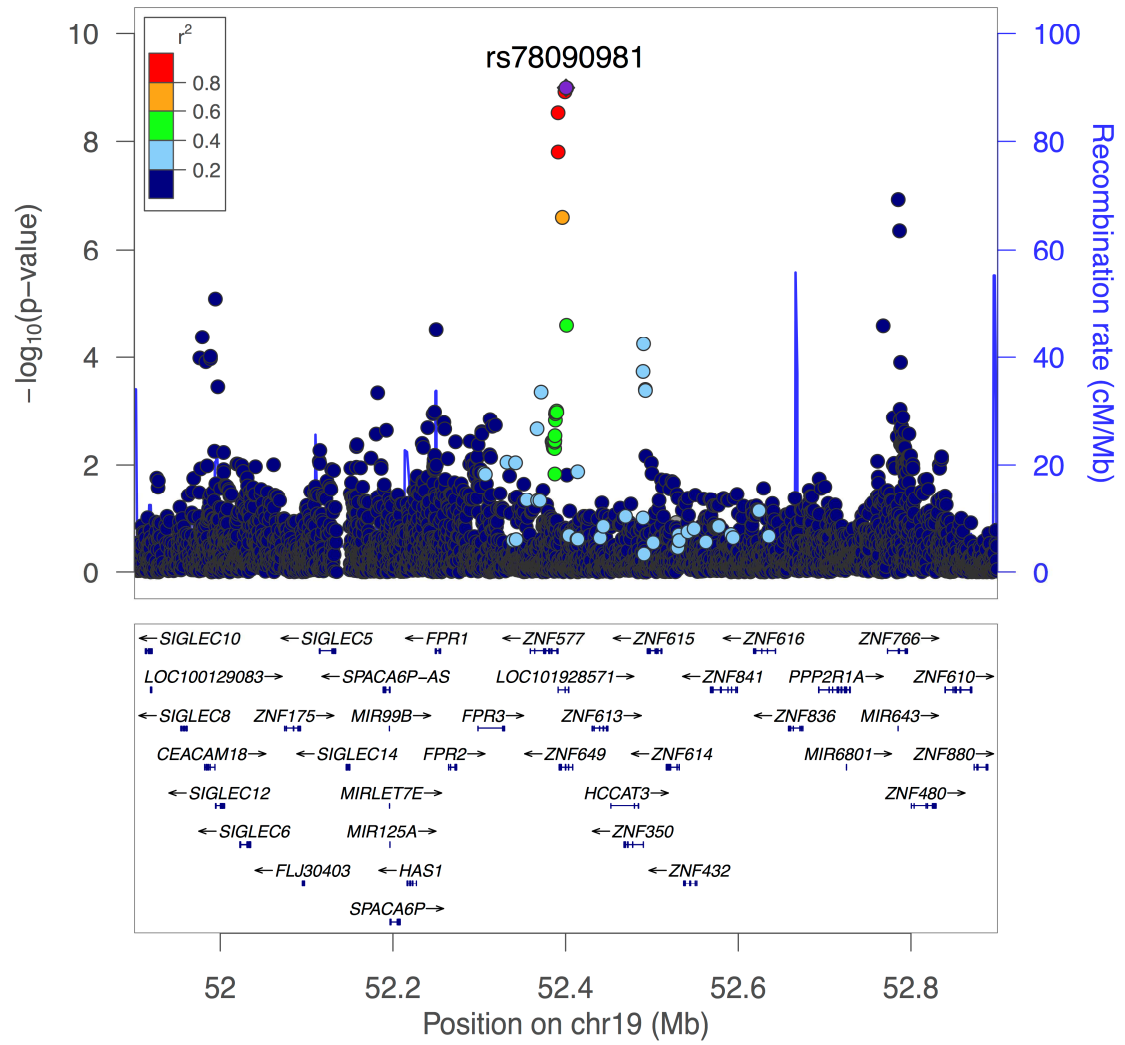
| | | | | | | | | | | | | | | | | | | |
|----|-----------|---|---|-------------|----------|-------|-------|------|-------------|----------|-------|-------|------|-------------|------|----------|---|------------|
| 18 | 3186022 | C | T | rs145459859 | 5.59E-05 | 0.021 | 0.035 | 0.58 | 0.41 - 0.82 | 9.07E-01 | 0.033 | 0.031 | 1.05 | 0.79 - 1.41 | 0.98 | 9.08E-01 | MYOM1 | intronic |
| 17 | 76295961 | G | A | rs4789581 | 9.52E-01 | 0.030 | 0.027 | 0.91 | 0.65 - 1.25 | 4.21E-05 | 0.055 | 0.047 | 0.85 | 0.67 - 1.07 | 0.99 | 9.51E-01 | LOC100996291(dist=21388), SOCS3(dist=56897) | intergenic |
| 4 | 146837176 | C | T | rs10027696 | 9.56E-01 | 0.096 | 0.097 | 0.99 | 0.82 - 1.19 | 3.64E-05 | 0.129 | 0.112 | 1.18 | 1.01 - 1.38 | 0.99 | 9.55E-01 | ZNF827 | intronic |
| 6 | 41463776 | C | T | rs114054427 | 9.63E-01 | 0.038 | 0.039 | 0.96 | 0.72 - 1.28 | 4.90E-05 | 0.028 | 0.021 | 1.37 | 0.99 - 1.9 | 0.99 | 9.64E-01 | NCR2(dist=145151), LINC01276(dist=6406) | intergenic |
| 17 | 76299354 | T | C | rs4374234 | 9.72E-01 | 0.038 | 0.035 | 0.93 | 0.69 - 1.24 | 1.78E-05 | 0.068 | 0.059 | 0.86 | 0.7 - 1.06 | 0.99 | 9.72E-01 | LOC100996291(dist=24781), SOCS3(dist=53504) | intergenic |
| 17 | 76294376 | T | C | rs9709190 | 9.90E-01 | 0.031 | 0.028 | 0.91 | 0.66 - 1.25 | 2.05E-05 | 0.057 | 0.048 | 0.84 | 0.67 - 1.06 | 1.00 | 9.89E-01 | LOC100996291(dist=19803), SOCS3(dist=58482) | intergenic |
| 3 | 65322224 | G | T | rs73123787 | 9.93E-01 | 0.036 | 0.030 | 1.19 | 0.88 - 1.62 | 3.65E-05 | 0.066 | 0.055 | 1.20 | 0.97 - 1.49 | 1.00 | 9.92E-01 | ADAMTS9-AS2(dist=325081), MAG11(dist=17682) | intergenic |

Results for all association with p-values < 6.5x10⁻⁵ in GWAS1 and GWAS2 for IBD. Suggestive SNPs at established European loci (specifically <1 Mb of the maximal reported associations) for IBD are indicated in bold.





Plotted SNPs



KG_3_117010986_r
Intensities: called genotypes

