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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Supplemental Table 1. Description of Genes and SNPs analyzed | | | | | | |  |  |  |
|  | **Chromosome** | |  | **Major/Minor** | **MAF** | | **P\* MAF** | **FDR HWE P** | |
| **Gene** | **Location** | **dbSNP ID** | **Coordinate** | **Allele** | **NHW** | **HISP/NA** | **Difference** | **NHW** | **HISP/NA** |
| *ADIPOQ* | 3q27 | rs17300539 | 1.87E+08 | G/A | 0.07 | 0.05 | 0.0002 | 0.96 | 0.66 |
|  |  | rs182052 | 1.87E+08 | G/A | 0.34 | 0.47 | <.0001 | 0.96 | 0.47 |
|  |  | rs822391 | 1.87E+08 | T/C | 0.21 | 0.17 | <.0001 | 0.54 | 0.59 |
|  |  | rs16861210 | 1.87E+08 | G/A | 0.08 | 0.06 | 0.19 | 0.97 | 0.85 |
|  |  | rs822396 | 1.87E+08 | A/G | 0.20 | 0.17 | 0.07 | 0.62 | 0.67 |
|  |  | rs12495941 | 1.87E+08 | G/T | 0.36 | 0.32 | 0.02 | 0.95 | 0.36 |
|  |  | rs7649121 | 1.87E+08 | A/T | 0.17 | 0.27 | <.0001 | 0.96 | 0.16 |
|  |  | rs17366568 | 1.87E+08 | G/A | 0.13 | 0.06 | <.0001 | 0.96 | 0.91 |
|  |  | rs1501299 | 1.87E+08 | C/A | 0.26 | 0.26 | 1.00 | 0.93 | 0.68 |
|  |  | rs3821799 | 1.87E+08 | C/T | 0.45 | 0.47 | 1.00 | 0.96 | 0.78 |
|  |  | rs3774261 | 1.87E+08 | G/A | 0.38 | 0.45 | <.0001 | 0.62 | 0.68 |
|  |  | rs1063537 | 1.87E+08 | C/T | 0.12 | 0.18 | <.0001 | 0.98 | 0.68 |
| *CARTPT* | 5q13.2 | rs3846659 | 71014173 | G/C | 0.15 | 0.11 | <.0001 | 0.97 | 0.32 |
|  |  | rs2239670 | 71015503 | G/A | 0.13 | 0.15 | 1.00 | 0.94 | 0.50 |
|  |  | rs16871468 | 71017951 | T/G | 0.18 | 0.32 | <.0001 | 0.89 | 0.44 |
|  |  | rs17358300 | 71018057 | T/C | 0.34 | 0.43 | <.0001 | 0.89 | 0.17 |
|  |  | rs3763153 | 71049403 | A/G | 0.31 | 0.34 | 0.36 | 0.96 | 0.52 |
| *CCK* | 3p22-p21.3 | rs8192472 | 42299870 | G/A | 0.37 | 0.34 | 1.00 | 0.98 | 0.89 |
|  |  | rs10865918 | 42303311 | T/G | 0.40 | 0.24 | <.0001 | 0.94 | 0.74 |
|  |  | rs747455 | 42305964 | G/A | 0.22 | 0.23 | 1.00 | 0.62 | 0.45 |
|  |  | rs11571842 | 42306446 | G/A | 0.49 | 0.48 | 1.00 | 0.89 | 0.85 |
| *GHRL* | 3p26-p25 | rs35683 | 10328250 | C/A | 0.48 | 0.28 | <.0001 | 0.97 | 0.48 |
|  |  | rs4684677 | 10328453 | T/A | 0.06 | 0.34 | <.0001 | 0.89 | 0.11 |
|  |  | rs35682 | 10328782 | A/G | 0.50 | 0.29 | <.0001 | 0.98 | 0.41 |
|  |  | rs696217 | 10331457 | G/T | 0.08 | 0.05 | <.0001 | 0.96 | 0.26 |
|  |  | rs26802 | 10332365 | T/G | 0.33 | 0.24 | <.0001 | 0.89 | 0.99 |
|  |  | rs27647 | 10332468 | T/C | 0.42 | 0.21 | <.0001 | 0.99 | 0.92 |
|  |  | rs26311 | 10332926 | G/C | 0.12 | 0.10 | 0.37 | 0.96 | 0.15 |
|  |  | rs3755777 | 10333364 | G/C | 0.23 | 0.52 | <.0001 | 0.90 | 0.73 |
| *LEP* | 7q31.3 | rs1349419 | 1.28E+08 | G/A | 0.46 | 0.52 | <.0001 | 0.96 | 0.13 |
|  |  | rs13245201 | 1.28E+08 | G/A | 0.44 | 0.40 | 0.14 | 0.98 | 0.63 |
|  |  | rs12535747 | 1.28E+08 | C/A | 0.38 | 0.44 | <.0001 | 0.96 | 0.55 |
|  |  | rs2167270 | 1.28E+08 | G/A | 0.38 | 0.45 | <.0001 | 0.96 | 0.39 |
|  |  | rs2278815 | 1.28E+08 | A/G | 0.46 | 0.52 | <.0001 | 0.96 | 0.12 |
|  |  | rs11763517 | 1.28E+08 | C/T | 0.50 | 0.48 | 1.00 | 1.00 | 0.90 |
|  |  | rs11760956 | 1.28E+08 | G/A | 0.39 | 0.44 | <.0001 | 0.96 | 0.68 |
|  |  | rs2071045 | 1.28E+08 | T/C | 0.23 | 0.24 | 1.00 | 0.97 | 0.44 |
|  |  | rs3828942 | 1.28E+08 | G/A | 0.43 | 0.41 | 1.00 | 0.97 | 0.92 |
| *LEPR* | 1p31 | rs7526141 | 65747863 | C/T | 0.46 | 0.32 | <.0001 | 0.82 | 0.87 |
|  |  | rs3806318 | 65885357 | A/G | 0.28 | 0.18 | <.0001 | 1.00 | 0.40 |
|  |  | rs12145690 | 65887013 | A/C | 0.46 | 0.51 | 0.0010 | 0.97 | 0.41 |
|  |  | rs4655802 | 65888231 | A/G | 0.41 | 0.42 | 1.00 | 1.00 | 0.32 |
|  |  | rs9436739 | 65890699 | T/A | 0.13 | 0.07 | <.0001 | 0.96 | 0.19 |
|  |  | rs9436740 | 65891901 | A/T | 0.30 | 0.25 | 0.0008 | 1.00 | 0.78 |
|  |  | rs9436301 | 65895927 | T/C | 0.25 | 0.29 | 0.012 | 0.96 | 0.64 |
|  |  | rs7602 | 65897951 | G/A | 0.21 | 0.27 | <.0001 | 0.96 | 0.68 |
|  |  | rs17412175 | 65904886 | T/A | 0.43 | 0.33 | <.0001 | 0.99 | 0.27 |
|  |  | rs970468 | 65906490 | T/G | 0.39 | 0.41 | 0.95 | 0.86 | 0.68 |
|  |  | rs970467 | 65906762 | G/A | 0.12 | 0.21 | <.0001 | 0.96 | 0.75 |
|  |  | rs6704167 | 65937880 | A/T | 0.41 | 0.31 | <.0001 | 0.96 | 0.75 |
|  |  | rs1180445 | 65982919 | T/C | 0.18 | 0.27 | <.0001 | 0.96 | 0.97 |
|  |  | rs1475397 | 65983158 | C/T | 0.26 | 0.35 | <.0001 | 0.96 | 0.51 |
|  |  | rs1171271 | 65998790 | T/C | 0.28 | 0.30 | 1.00 | 0.96 | 0.37 |
|  |  | rs1171265 | 66003252 | G/A | 0.35 | 0.37 | 1.00 | 0.68 | 0.94 |
|  |  | rs6673324 | 66031063 | G/A | 0.50 | 0.44 | <.0001 | 0.96 | 0.87 |
|  |  | rs3790429 | 66036776 | A/T | 0.16 | 0.21 | <.0001 | 0.96 | 0.82 |
|  |  | rs12059300 | 66047072 | G/A | 0.21 | 0.11 | <.0001 | 0.67 | 0.73 |
|  |  | rs4370791 | 66052228 | A/G | 0.29 | 0.33 | 0.0022 | 0.96 | 0.56 |
|  |  | rs10749754 | 66054640 | G/A | 0.45 | 0.45 | 1.00 | 0.96 | 0.13 |
|  |  | rs1137101 | 66058513 | A/G | 0.45 | 0.46 | 1.00 | 0.96 | 0.17 |
|  |  | rs4655537 | 66058801 | G/A | 0.37 | 0.37 | 1.00 | 0.98 | 1.00 |
|  |  | rs11585329 | 66073814 | G/T | 0.16 | 0.13 | 0.0080 | 0.96 | 0.82 |
|  |  | rs8179183 | 66075952 | G/C | 0.17 | 0.16 | 1.00 | 0.96 | 0.69 |
|  |  | rs1938484 | 66081282 | C/A | 0.19 | 0.31 | <.0001 | 0.94 | 0.29 |
|  |  | rs1805096 | 66102257 | C/T | 0.38 | 0.48 | <.0001 | 0.96 | 0.52 |
|  |  | rs6588147 | 65708082 | A/G | 0.34 | 0.40 | <.0001 | 0.90 | 0.07 |
| *MBOAT4* | 8p12 | rs13272159 | 29989399 | A/G | 0.34 | 0.54 | <.0001 | 0.99 | 0.27 |
| *MC4R* | 18q22 | rs8093815 | 58036503 | G/A | 0.31 | 0.31 | 1.00 | 0.86 | 0.56 |
|  |  | rs8087522 | 58040478 | G/A | 0.31 | 0.33 | 1.00 | 0.80 | 0.77 |
|  |  | rs11872992 | 58040587 | G/A | 0.14 | 0.14 | 1.00 | 0.96 | 0.49 |
| *NPY* | 7p15.1 | rs16141 | 24324759 | C/A | 0.51 | 0.34 | <.0001 | 0.96 | 0.38 |
|  |  | rs16131 | 24329837 | A/G | 0.14 | 0.07 | <.0001 | 0.89 | 0.38 |
|  |  | rs16129 | 24330765 | G/T | 0.49 | 0.30 | <.0001 | 0.96 | 0.50 |
|  |  | rs2023890 | 24332747 | T/C | 0.22 | 0.12 | <.0001 | 0.86 | 0.29 |
| *POMC* | 2p23.3 | rs1866146 | 25380573 | T/C | 0.35 | 0.52 | <.0001 | 0.96 | 0.79 |
|  |  | rs6713532 | 25384833 | T/C | 0.23 | 0.51 | <.0001 | 0.97 | 0.96 |
|  |  | rs7565427 | 25385638 | G/A | 0.14 | 0.06 | <.0001 | 1.00 | 0.79 |
|  |  | rs7565877 | 25386064 | A/G | 0.10 | 0.16 | <.0001 | 0.96 | 0.88 |
|  |  | rs934778 | 25389224 | T/C | 0.30 | 0.25 | <.0001 | 0.96 | 0.35 |
|  |  |  |  |  |  |  |  |  |  |

MAF= minor allele frequency; HWE = Hardy Weinberg Equilibrium; p value is for difference in MAF between ethnic groups