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| **Gene** | **Independent GWAS SNP(s)** | **Chromosome** | **Window Coordinates\***  **(size of window)** | **# of CpG sites** | **# SNPs** | **# mRNA transcripts** | **Transcripts in window\*\*** |  |
|  |
| THADA | rs13429458 | 2 | 43,413,274-43,864,401 (451,127 bp) | 82 | 158 | 4 | **THADA (ILMN\_1706818) THADA (ILMN\_1811624) ZFP36L2 (ILMN\_2150258) LOC100129726 (ILMN\_3187435)** |  |
| rs12478601 |  |
|  |  |
| LHCGR | rs13405728 | 2 | 48,747,064-49,078,159 (331,095 bp) | 56 | 233 | 6 | **LHCGR (ILMN 1788098) STON1\_GTF2A1L (ILMN 1656409) GTF2A1L (ILMN 1681616) GTF2A1L (ILMN 1716041**) GTF2A1L (ILMN 1682943)  STON1 (ILMN1668592 ) |  |
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| FSHR | rs2268361 | 2 | 49,101,362-49,391,666 (290,304 bp) | 10 | 203 | 2 | FSHR (ILMN\_1661616) FSHR (ILMN\_2333449) |  |
| rs2349415 |  |
| C9orf3 | rs3802457 | 9 | 97,478,951-97,859,500 (380,549 bp) | 53 | 65 | 5 | C9orf3 (ILMN\_1674629) **MIR2278 (ILMN\_3309294)** MIR23B (ILMN\_3308798) MIR27B (ILMN\_3310356) MIR24-1 (ILMN\_3310401) |  |
| rs4385527 |  |
|  |  |
| DENND1A | rs10818854 | 9 | 126,108,448-126,702,417 (593,969 bp) | 54 | 219 | 5 | **DENND1A (ILMN\_1753275)** DENND1A (ILMN\_1727315) DENND1A (ILMN\_1728073) CRB2 (ILMN\_1681826) MIR601 (ILMN\_3310518) |  |
| rs2479106 |  |
|  |  |
| YAP1 | rs1894116 | 11 | 101,970,639-102,171,639 (201,000 bp) | 38 | 52 | 1 | **YAP1 (ILMN\_1709479)** |  |
| RAB5B/SUOX | rs705702 | 12 | 56,285,195-56,507,291 (222,096 bp) | 165 | 39 | 18 | **RAB5B (ILMN\_1752582) SUOX (ILMN\_1803745) SUOX (ILMN\_1710682) SUOX (ILMN\_2383455) IKZF4 (ILMN\_1741334)** RPS26 (ILMN\_1755664) **RPS26 (ILMN\_2209027) ERBB3 (ILMN\_1737993) ERBB3 (ILMN\_2397602)** **ERBB3 (ILMN\_1751346) CDK2 (ILMN\_1653443) CDK2 (ILMN\_1665559)** DGKA (ILMN\_1661454) DGKA (ILMN\_1747132) **DGKA (ILMN\_2319910)** DGKA (ILMN\_1661544) DGKA (ILMN\_2319913) **WIBG (ILMN\_1751431)** |  |
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| HMGA2 | rs2272046 | 12 | 66,124,461-66,370,071 (245,610 bp) | 60 | 72 | 3 | **HMGA2 (ILMN\_1666236)**  HMGA2 (ILMN\_1671547)  HMGA2 (ILMN\_2344662) |  |
| TOX3 | rs4784165 | 16 | 52,247,819-52,590,806 (342,987 bp) | 29 | 133 | 27 | TOX3 (ILMN\_2413833) MIR548A1 (ILMN\_3310683)  MIR548A2 (ILMN\_3309259) MIR548A3 (ILMN\_3310020) MIR548B (ILMN\_3309980) MIR548C (ILMN\_3309006) MIR548E (ILMN\_3308350) MIR548F1 (ILMN\_3310990) MIR548F2 (ILMN\_3309794)  MIR548F3 (ILMN\_3310241)  MIR548F4 (ILMN\_3310226) MIR548F5 (ILMN\_3310945) MIR548G (ILMN\_3310553)  MIR548H1 (ILMN\_3309565) MIR548H3 (ILMN\_3308668) MIR548H4 (ILMN\_3308250) MIR548I1 (ILMN\_3308540) MIR548I2 (ILMN\_3308843)  MIR548I4 (ILMN\_3308285) MIR548J (ILMN\_3308020) **MIR548K (ILMN\_3308495)**  MIR548L (ILMN\_3308450) MIR548M (ILMN\_3308300) MIR548N (ILMN\_3309519) MIR548O (ILMN\_3310266) MIR548P (ILMN\_3311120)  MIR548Q (ILMN\_3310578) |  |
|  |
| INSR | rs2059807 | 19 | 7,059,271-7,304,011  (244,740 bp) | 67 | 207 | 3 | **INSR (ILMN\_1670918) ZNF557 (ILMN\_2346137) ZNF557 (ILMN\_1719163)** |  |
|  |
| SUMO1P1 | rs6022786 | 20 | 52,173,610-52,547,303 (373,693 bp) | 36 | 225 | 3 | SUMO1P1 (2195390) SUMO1P1 (1785615) **ZNF217 (1755303)** |  |

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| \* Position in Genome Reference Consortium Human Build 37 |  |  | |  |  |  |  | |  | |  |
| \*\* Genes listed as gene name (Illumina ID probe). Bold genes passed normalization and are expressed in adipose tissue. | | | | |  |  |  | |  | |  |
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