Supplement Table5. Gene names of DEGs

|  |  |
| --- | --- |
| Both UP | Both Down |
| ABCC6P1 | ABCD2 |
| ANKRD34A | ACVR2B |
| C12orf36 | AHNAK2 |
| C17orf6 | BMPR1A |
| C1orf49 | C10orf108 |
| C2orf62 | C20orf194 |
| C7orf62 | C5orf25 |
| CA5A | C7orf41 |
| CBR1 | C7orf55 |
| CCDC155 | CAMK2G |
| CCL7 | CCDC14 |
| CD80 | CEP78 |
| CDH8 | CFL2 |
| CDKN3 | CXCR7 |
| CST1 | DNASE1L3 |
| DEC1 | DYNC1LI2 |
| ELAVL4 | ESCO1 |
| EMR4P | FLJ13197 |
| FAM170A | GATAD2B |
| FAM182A | HHIP |
| FAM83A | HOTAIRM1 |
| FLJ41130 | KIT |
| FMO1 | LEAP2 |
| GK2 | LHX8 |
| GRM8 | LPAR1 |
| HES2 | LY6K |
| HOXB1 | MALAT1 |
| HSFY2 | MFAP3L |
| IDI2 | MGC24103 |
| IRX4 | NEAT1 |
| KCNA10 | NEBL |
| KLHDC8A | NR2F6 |
| KRTAP25-1 | OGN |
| KRTAP4-2 | PI15 |
| LHX2 | PIGZ |
| LTA | PLEKHA6 |
| MC4R | PPP1R3B |
| MMP10 | Q8WY88 |
| MOV10L1 | RNASEL |
| NCR2 | RNF180 |
| OR10A5 | RPL23P8 |
| OR10K1 | RPPH1 |
| OR11H12 | SDHAP1 |
| OR1L3 | SMAD6 |
| OR2L8 | SNAPC4 |
| OR2W5 | SPIRE1 |
| OR4K17 | TET2 |
| OR52E2 | THSD4 |
| OR5I1 | TMEM30B |
| ORC1 | TOR1AIP1 |
| PATE2 | TXNIP |
| PAX5 | UBQLN1 |
| PDHA2 | UVRAG |
| PLSCR5 | VPS36 |
| PPAPDC3 | WDFY3 |
| PSG2 | XLOC\_002433 |
| PSG8 | XLOC\_002577 |
| Q68PJ0 | XLOC\_013274 |
| RGSL1 | XLOC\_l2\_005517 |
| RNASE8 | XLOC\_l2\_014785 |
| SKA3 | ZMYM2 |
| SPEM1 | ZNF204P |
| SPP2 | ZNF765 |
| SRG7 | ZNF91 |
| SRY |  |
| tAKR |  |
| TMEM155 |  |
| TMEM63C |  |
| TMPRSS6 |  |
| TRIM49L2 |  |
| TTTY13 |  |
| XLOC\_000564 |  |
| XLOC\_000832 |  |
| XLOC\_000877 |  |
| XLOC\_001607 |  |
| XLOC\_001734 |  |
| XLOC\_001787 |  |
| XLOC\_001815 |  |
| XLOC\_001877 |  |
| XLOC\_001944 |  |
| XLOC\_002342 |  |
| XLOC\_002524 |  |
| XLOC\_002732 |  |
| XLOC\_002882 |  |
| XLOC\_002887 |  |
| XLOC\_002906 |  |
| XLOC\_002924 |  |
| XLOC\_002969 |  |
| XLOC\_003093 |  |
| XLOC\_003166 |  |
| XLOC\_003521 |  |
| XLOC\_003548 |  |
| XLOC\_004350 |  |
| XLOC\_004374 |  |
| XLOC\_004914 |  |
| XLOC\_004951 |  |
| XLOC\_005210 |  |
| XLOC\_005306 |  |
| XLOC\_005442 |  |
| XLOC\_005910 |  |
| XLOC\_005918 |  |
| XLOC\_006226 |  |
| XLOC\_006316 |  |
| XLOC\_006383 |  |
| XLOC\_006520 |  |
| XLOC\_006652 |  |
| XLOC\_006929 |  |
| XLOC\_007268 |  |
| XLOC\_007278 |  |
| XLOC\_007496 |  |
| XLOC\_007540 |  |
| XLOC\_007643 |  |
| XLOC\_007681 |  |
| XLOC\_007753 |  |
| XLOC\_008222 |  |
| XLOC\_008351 |  |
| XLOC\_008401 |  |
| XLOC\_008481 |  |
| XLOC\_008510 |  |
| XLOC\_008552 |  |
| XLOC\_009250 |  |
| XLOC\_009312 |  |
| XLOC\_010248 |  |
| XLOC\_010674 |  |
| XLOC\_010840 |  |
| XLOC\_011252 |  |
| XLOC\_011316 |  |
| XLOC\_011468 |  |
| XLOC\_011706 |  |
| XLOC\_011807 |  |
| XLOC\_011818 |  |
| XLOC\_011951 |  |
| XLOC\_011971 |  |
| XLOC\_012525 |  |
| XLOC\_012623 |  |
| XLOC\_012819 |  |
| XLOC\_013285 |  |
| XLOC\_013687 |  |
| XLOC\_013699 |  |
| XLOC\_013754 |  |
| XLOC\_013804 |  |
| XLOC\_013812 |  |
| XLOC\_013862 |  |
| XLOC\_014372 |  |
| XLOC\_l2\_001037 |  |
| XLOC\_l2\_001954 |  |
| XLOC\_l2\_003475 |  |
| XLOC\_l2\_005187 |  |
| XLOC\_l2\_005759 |  |
| XLOC\_l2\_007907 |  |
| XLOC\_l2\_010843 |  |
| XLOC\_l2\_010926 |  |
| XLOC\_l2\_011694 |  |
| XLOC\_l2\_015143 |  |
| XLOC\_l2\_015661 |  |