Table S2. Differential expressed genes in multiple immune-related functions by GO enrichment analysis.

|  |  |  |
| --- | --- | --- |
| Gene ID | Gene symbol | Up- or down-regulated |
| ncbi\_105062714 | NECTIN2 | Down |
| ncbi\_105064363 | F2RL1 | Down |
| ncbi\_105064505 | NLRP6 | Down |
| ncbi\_105067509 | MUC12 | Down |
| ncbi\_105067787 | NLRX1 | Down |
| ncbi\_105068160 | MUC1 | Down |
| ncbi\_105068211 | S100A14 | Down |
| ncbi\_105068596 | C8G | Down |
| ncbi\_105070033 | INAVA | Down |
| ncbi\_105070452 | MUC5AC | Down |
| ncbi\_105071585 | LGALS9 | Down |
| ncbi\_105072080 | PLD2 | Down |
| ncbi\_105073493 | Src | Down |
| ncbi\_105074078 | NFKBIL1 | Down |
| ncbi\_105074600 | LGALS3 | Down |
| ncbi\_105075034 | NR1H4 | Down |
| ncbi\_105075333 | SFTPD | Down |
| ncbi\_105076928 | TYRO3 | Down |
| ncbi\_105078179 | GNA11 | Down |
| ncbi\_105078232 | TICAM1 | Down |
| ncbi\_105078652 | BCAR1 | Down |
| ncbi\_105080216 | MAPKAPK3 | Down |
| ncbi\_105082839 | Mapk3 | Down |
| ncbi\_105083612 | PAK1 | Down |
| ncbi\_105083847 | TNFRSF21 | Down |
| ncbi\_105084054 | TRIM15 | Down |
| ncbi\_105062497 | PVR | Down |
| ncbi\_105062622 | TRPM4 | Down |
| ncbi\_105068168 | Zbtb7b | Down |
| ncbi\_105071048 | Prkcz | Down |
| ncbi\_105071703 | RORC | Down |
| ncbi\_105073695 | ZP2 | Down |
| ncbi\_105077504 | TNFSF13 | Down |
| ncbi\_105080455 | GCNT3 | Down |
| ncbi\_105084152 | HFE | Down |
| ncbi\_105062554 | AP2S1 | Down |
| ncbi\_105066456 | RAB3B | Down |
| ncbi\_105068388 | AP1M2 | Down |
| ncbi\_105068392 | Dnm2 | Down |
| ncbi\_105069840 | ACE | Down |
| ncbi\_105070308 | CTSF | Down |
| ncbi\_105072102 | VAMP8 | Down |
| ncbi\_105078337 | DNM2 | Down |
| ncbi\_105079614 | CDH17 | Down |
| ncbi\_105063810 | FOSL2 | Down |
| ncbi\_105066015 | LCN2 | Down |
| ncbi\_105067778 | USP2 | Down |
| ncbi\_105071674 | JUN | Down |
| ncbi\_105076636 | ADM | Down |
| ncbi\_105080565 | PLA2G1B | Down |
| ncbi\_105080854 | Spns2 | Down |
| ncbi\_105082425 | MUC2 | Down |
| ncbi\_105068247 | ADAM15 | Down |
| ncbi\_105075289 | FOS | Down |
| MSTRG.2461 | CEACAM1 | Down |
| ncbi\_105081824 | RBP4 | Down |
| ncbi\_105064859 | GFER | Down |
| ncbi\_105066883 | LAMP1 | Down |
| ncbi\_105075274 | GZMB | Down |
| ncbi\_105061675 | ADORA2B | Down |
| ncbi\_105066096 | PLA2G3 | Down |
| ncbi\_105063556 | RAB17 | Down |
| ncbi\_105070842 | IFNLR1 | Down |
| ncbi\_105073713 | GP2 | Down |
| ncbi\_105061930 | TOM1 | Down |
| ncbi\_105062266 | MGST1 | Down |
| ncbi\_105062488 | TTR | Down |
| ncbi\_105064789 | HMOX2 | Down |
| ncbi\_105065590 | CANT1 | Down |
| ncbi\_105069359 | BCR | Down |
| ncbi\_105069742 | AGPAT2 | Down |
| ncbi\_105070263 | PRDX6 | Down |
| ncbi\_105070346 | GSTP1 | Down |
| ncbi\_105070740 | ALAD | Down |
| ncbi\_105070824 | ARSA | Down |
| ncbi\_105070893 | Cda | Down |
| ncbi\_105073791 | GSDMD | Down |
| ncbi\_105073794 | NAPRT | Down |
| ncbi\_105073815 | DGAT1 | Down |
| ncbi\_105074045 | NEU1 | Down |
| ncbi\_105075922 | CD63 | Down |
| ncbi\_105076503 | COMMD9 | Down |
| ncbi\_105077234 | VNN1 | Down |
| ncbi\_105077271 | HEBP2 | Down |
| ncbi\_105078014 | PFKL | Down |
| ncbi\_105078327 | Rab3d | Down |
| ncbi\_105079095 | RAB9B | Down |
| ncbi\_105079334 | Jup | Down |
| ncbi\_105080841 | AOC1 | Down |
| ncbi\_105082194 | -- | Down |
| ncbi\_105082877 | MVP | Down |
| ncbi\_105068815 | DHRS1 | Down |
| ncbi\_105067470 | PPARG | Down |
| ncbi\_105068165 | DCST1 | Down |
| ncbi\_105070638 | PRDX5 | Down |
| ncbi\_105062241 | ADORA1 | Down |
| ncbi\_105064029 | IHH | Down |
| ncbi\_105064285 | MMP28 | Down |
| ncbi\_105069071 | CIB1 | Down |
| ncbi\_105069336 | DDT | Down |
| ncbi\_105078064 | TFF2 | Down |
| ncbi\_105078991 | Tmem178a | Down |
| ncbi\_105080260 | TCTA | Down |
| ncbi\_105082481 | GAS2L1 | Down |
| MSTRG.11018 | Pol | Up |
| MSTRG.11100 | TRAV16 | Up |
| MSTRG.11103 | TRAV8-4 | Up |
| MSTRG.1254 | Pol | Up |
| MSTRG.14532 | IGHG1 | Up |
| MSTRG.14534 | IGHG2 | Up |
| MSTRG.16018 | Pol | Up |
| MSTRG.1870 | Pol | Up |
| MSTRG.2128 | RIPK2 | Up |
| MSTRG.2294 | Clec2d11 | Up |
| MSTRG.2850 | TRBV14 | Up |
| MSTRG.2853 | TRBV7-9 | Up |
| MSTRG.2857 | TRBV12-4 | Up |
| MSTRG.38 | IGLV1-40 | Up |
| MSTRG.4015 | TRAV13-1 | Up |
| MSTRG.4016 | TRAV8-3 | Up |
| MSTRG.43 | IGLV1-40 | Up |
| MSTRG.44 | IGLV8-61 | Up |
| MSTRG.47 | IGLV8-61 | Up |
| MSTRG.48 | IGLV1-40 | Up |
| MSTRG.56 | IGLV8-61 | Up |
| MSTRG.57 | IGLV1-40 | Up |
| MSTRG.6780 | TRAV23DV6 | Up |
| MSTRG.6787 | TRA | Up |
| MSTRG.7219 | -- | Up |
| MSTRG.7644 | CFH | Up |
| MSTRG.7741 | Pol | Up |
| MSTRG.84 | TRB | Up |
| MSTRG.85 | TRB | Up |
| MSTRG.86 | TRB | Up |
| ncbi\_105061950 | EIF2B3 | Up |
| ncbi\_105062165 | CLEC4E | Up |
| ncbi\_105062169 | C3AR1 | Up |
| ncbi\_105062185 | A2M | Up |
| ncbi\_105062201 | CLEC7A | Up |
| ncbi\_105062206 | Klre1 | Up |
| ncbi\_105062208 | KLRK1 | Up |
| ncbi\_105062466 | CD79A | Up |
| ncbi\_105062523 | RNF125 | Up |
| ncbi\_105062540 | PGLYRP1 | Up |
| ncbi\_105062558 | SAE1 | Up |
| ncbi\_105062561 | C5AR1 | Up |
| ncbi\_105062717 | CD226 | Up |
| ncbi\_105062951 | Pum2 | Up |
| ncbi\_105062962 | APOB | Up |
| ncbi\_105063019 | BRAF | Up |
| ncbi\_105063150 | CAV1 | Up |
| ncbi\_105063343 | KLHL6 | Up |
| ncbi\_105063426 | PTAFR | Up |
| ncbi\_105063432 | THEMIS2 | Up |
| ncbi\_105063438 | FGR | Up |
| ncbi\_105063442 | WASF2 | Up |
| ncbi\_105063578 | INPP5D | Up |
| ncbi\_105063642 | PRKDC | Up |
| ncbi\_105063692 | RAP1A | Up |
| ncbi\_105063875 | CLU | Up |
| ncbi\_105063974 | Slc39a10 | Up |
| ncbi\_105063988 | XRCC5 | Up |
| ncbi\_105064002 | ARPC2 | Up |
| ncbi\_105064109 | MAP3K7 | Up |
| ncbi\_105064250 | HLA-DRA | Up |
| ncbi\_105064416 | PIK3R1 | Up |
| ncbi\_105064418 | Cd180 | Up |
| ncbi\_105064730 | RIPK2 | Up |
| ncbi\_105064750 | CXorf21 | Up |
| ncbi\_105064798 | CREBBP | Up |
| ncbi\_105064893 | CGAS | Up |
| ncbi\_105065009 | Uba2 | Up |
| ncbi\_105065061 | Nfkbid | Up |
| ncbi\_105065089 | LSM14A | Up |
| ncbi\_105065195 | DDX60 | Up |
| ncbi\_105065267 | C5 | Up |
| ncbi\_105065282 | C5 | Up |
| ncbi\_105065609 | Sec14l1 | Up |
| ncbi\_105065653 | GRB2 | Up |
| ncbi\_105065688 | CD300A | Up |
| ncbi\_105066195 | LY96 | Up |
| ncbi\_105066234 | HMGB1 | Up |
| ncbi\_105066256 | USP12 | Up |
| ncbi\_105066286 | PSPC1 | Up |
| ncbi\_105066381 | PAG1 | Up |
| ncbi\_105066402 | ARRB2 | Up |
| ncbi\_105066513 | RPS27A | Up |
| ncbi\_105066550 | PELI1 | Up |
| ncbi\_105066766 | LCK | Up |
| ncbi\_105066790 | Pum1 | Up |
| ncbi\_105066936 | SERPING1 | Up |
| ncbi\_105067152 | TNIP3 | Up |
| ncbi\_105067238 | CFH | Up |
| ncbi\_105067355 | Pax5 | Up |
| ncbi\_105067455 | IRAK2 | Up |
| ncbi\_105067517 | SH2B2 | Up |
| ncbi\_105067556 | Nr4a3 | Up |
| ncbi\_105067776 | THY1 | Up |
| ncbi\_105067817 | CD3G | Up |
| ncbi\_105067818 | CD3D | Up |
| ncbi\_105067821 | CD3E | Up |
| ncbi\_105067913 | NFKB1 | Up |
| ncbi\_105067955 | Cfi | Up |
| ncbi\_105068021 | FCGR2 | Up |
| ncbi\_105068024 | FCGR2 | Up |
| ncbi\_105068057 | CD247 | Up |
| ncbi\_105068220 | S100A8 | Up |
| ncbi\_105068222 | S100A9 | Up |
| ncbi\_105068379 | ICAM3 | Up |
| ncbi\_105068458 | LIME1 | Up |
| ncbi\_105068613 | VAV2 | Up |
| ncbi\_105068672 | OTUD4 | Up |
| ncbi\_105068687 | MARCO | Up |
| ncbi\_105068701 | ELF2 | Up |
| ncbi\_105068899 | RC3H1 | Up |
| ncbi\_105069174 | Sin3a | Up |
| ncbi\_105069302 | ELMO1 | Up |
| ncbi\_105069349 | MAPK1 | Up |
| ncbi\_105069552 | Fcer1g | Up |
| ncbi\_105069710 | RAPGEF1 | Up |
| ncbi\_105069735 | CARD9 | Up |
| ncbi\_105069778 | CD79B | Up |
| ncbi\_105069905 | IRF7 | Up |
| ncbi\_105069927 | RC3H2 | Up |
| ncbi\_105070018 | PTPRC | Up |
| ncbi\_105070021 | DENND1B | Up |
| ncbi\_105070053 | LPXN | Up |
| ncbi\_105070100 | TKFC | Up |
| ncbi\_105070210 | RUNX1 | Up |
| ncbi\_105070311 | RBM14 | Up |
| ncbi\_105070384 | CD81 | Up |
| ncbi\_105070509 | FCRL3 | Up |
| ncbi\_105070511 | FCRL5 | Up |
| ncbi\_105070693 | FYB1 | Up |
| ncbi\_105070721 | TLR4 | Up |
| ncbi\_105070724 | C9 | Up |
| ncbi\_105070775 | OTULIN | Up |
| ncbi\_105070819 | C7 | Up |
| ncbi\_105070840 | C6 | Up |
| ncbi\_105070868 | C1QB | Up |
| ncbi\_105070870 | C1qc | Up |
| ncbi\_105070871 | C1QA | Up |
| ncbi\_105070875 | CDC42 | Up |
| ncbi\_105071055 | CDK11B | Up |
| ncbi\_105071091 | CD4 | Up |
| ncbi\_105071245 | IKBKB | Up |
| ncbi\_105071401 | YES1 | Up |
| ncbi\_105071448 | PTPN2 | Up |
| ncbi\_105071463 | COLEC12 | Up |
| ncbi\_105071518 | MYO1C | Up |
| ncbi\_105071519 | CRK | Up |
| ncbi\_105071576 | SARM1 | Up |
| ncbi\_105071659 | PIK3C3 | Up |
| ncbi\_105071741 | CTSS | Up |
| ncbi\_105071843 | NFATC2 | Up |
| ncbi\_105071879 | Elmo2 | Up |
| ncbi\_105071939 | PLCG1 | Up |
| ncbi\_105072189 | ZAP70 | Up |
| ncbi\_105072295 | TNIP2 | Up |
| ncbi\_105072340 | MASP1 | Up |
| ncbi\_105072383 | Pak2 | Up |
| ncbi\_105072832 | SFPQ | Up |
| ncbi\_105073084 | EP300 | Up |
| ncbi\_105073098 | Grap2 | Up |
| ncbi\_105073232 | CCR7 | Up |
| ncbi\_105073342 | SKAP1 | Up |
| ncbi\_105073450 | Wipf1 | Up |
| ncbi\_105073505 | SLA2 | Up |
| ncbi\_105073541 | ITCH | Up |
| ncbi\_105073576 | HCK | Up |
| ncbi\_105073669 | Prkcb | Up |
| ncbi\_105073903 | BCL2 | Up |
| ncbi\_105073996 | MALT1 | Up |
| ncbi\_105074038 | C4A | Up |
| ncbi\_105074040 | CFB | Up |
| ncbi\_105074074 | TNF | Up |
| ncbi\_105074228 | GATA3 | Up |
| ncbi\_105074267 | CYLD | Up |
| ncbi\_105074268 | NOD2 | Up |
| ncbi\_105074303 | PRKCQ | Up |
| ncbi\_105074544 | PGLYRP2 | Up |
| ncbi\_105074645 | PRKCH | Up |
| ncbi\_105074785 | MEF2C | Up |
| ncbi\_105074796 | CMTM3 | Up |
| ncbi\_105074808 | CBFB | Up |
| ncbi\_105074900 | USP46 | Up |
| ncbi\_105074908 | TEC | Up |
| ncbi\_105074909 | TXK | Up |
| ncbi\_105074959 | TLR1 | Up |
| ncbi\_105074961 | TLR10 | Up |
| ncbi\_105075198 | PTPN6 | Up |
| ncbi\_105075416 | CR2 | Up |
| ncbi\_105075418 | C4BPA | Up |
| ncbi\_105075427 | MAPKAPK2 | Up |
| ncbi\_105075442 | Rab29 | Up |
| ncbi\_105075451 | CR1 | Up |
| ncbi\_105075498 | PRKACB | Up |
| ncbi\_105075508 | C1S | Up |
| ncbi\_105075561 | PDE4B | Up |
| ncbi\_105075564 | ACTB | Up |
| ncbi\_105075582 | C1R | Up |
| ncbi\_105075749 | PAK3 | Up |
| ncbi\_105075816 | ACTR2 | Up |
| ncbi\_105076003 | USP9X | Up |
| ncbi\_105076044 | RSAD2 | Up |
| ncbi\_105076188 | CACNB3 | Up |
| ncbi\_105076317 | NCKAP1L | Up |
| ncbi\_105076321 | TESPA1 | Up |
| ncbi\_105076433 | PTPRJ | Up |
| ncbi\_105076558 | MUC15 | Up |
| ncbi\_105077134 | FYN | Up |
| ncbi\_105077207 | THEMIS | Up |
| ncbi\_105077308 | Tab2 | Up |
| ncbi\_105077436 | TNFAIP3 | Up |
| ncbi\_105077475 | CLEC10A | Up |
| ncbi\_105077614 | RFTN1 | Up |
| ncbi\_105077753 | TLR7 | Up |
| ncbi\_105077754 | TLR8 | Up |
| ncbi\_105077776 | LRRC70 | Up |
| ncbi\_105077788 | Pde4d | Up |
| ncbi\_105077858 | MAP3K1 | Up |
| ncbi\_105077943 | PROS1 | Up |
| ncbi\_105077986 | S100B | Up |
| ncbi\_105078000 | ITGB2 | Up |
| ncbi\_105078041 | Ubash3a | Up |
| ncbi\_105078075 | CARD11 | Up |
| ncbi\_105078127 | STK11 | Up |
| ncbi\_105078237 | PTPRS | Up |
| ncbi\_105078264 | C3 | Up |
| ncbi\_105078399 | VAV1 | Up |
| ncbi\_105078440 | ARF6 | Up |
| ncbi\_105078621 | CD46 | Up |
| ncbi\_105078730 | LTF | Up |
| ncbi\_105078736 | DDX58 | Up |
| ncbi\_105078779 | UBQLN1 | Up |
| ncbi\_105078885 | STAP1 | Up |
| ncbi\_105078902 | LAX1 | Up |
| ncbi\_105078942 | PLCG2 | Up |
| ncbi\_105078949 | NLRC4 | Up |
| ncbi\_105079021 | PRKCE | Up |
| ncbi\_105079220 | ABI1 | Up |
| ncbi\_105079377 | CFP | Up |
| ncbi\_105079392 | WAS | Up |
| ncbi\_105079416 | FOXP3 | Up |
| ncbi\_105079555 | NRAS | Up |
| ncbi\_105079673 | PTPN22 | Up |
| ncbi\_105079727 | TLR2 | Up |
| ncbi\_105079757 | Dusp22 | Up |
| ncbi\_105079861 | RPS6KA5 | Up |
| ncbi\_105079948 | Traf3 | Up |
| ncbi\_105080142 | CBLB | Up |
| ncbi\_105080390 | ANKRD17 | Up |
| ncbi\_105080508 | SYK | Up |
| ncbi\_105080530 | MYO1G | Up |
| ncbi\_105080594 | NAA25 | Up |
| ncbi\_105080614 | ARPC3 | Up |
| ncbi\_105080678 | SCARB1 | Up |
| ncbi\_105080742 | BTK | Up |
| ncbi\_105080796 | PLEKHA1 | Up |
| ncbi\_105080925 | HAVCR2 | Up |
| ncbi\_105080927 | ITK | Up |
| ncbi\_105080929 | Cyfip2 | Up |
| ncbi\_105081080 | TAB3 | Up |
| ncbi\_105081131 | CXorf21 | Up |
| ncbi\_105081297 | HSP90B1 | Up |
| ncbi\_105081349 | IRAK3 | Up |
| ncbi\_105081359 | Tbk1 | Up |
| ncbi\_105081383 | IRAK4 | Up |
| ncbi\_105081543 | TRAT1 | Up |
| ncbi\_105081555 | GCSAM | Up |
| ncbi\_105081617 | CD86 | Up |
| ncbi\_105081892 | PIK3AP1 | Up |
| ncbi\_105081934 | NOD1 | Up |
| ncbi\_105081945 | TANK | Up |
| ncbi\_105081951 | IFIH1 | Up |
| ncbi\_105081995 | UBR3 | Up |
| ncbi\_105082022 | PJA2 | Up |
| ncbi\_105082043 | TICAM2 | Up |
| ncbi\_105082153 | TRIL | Up |
| ncbi\_105082179 | MATR3 | Up |
| ncbi\_105082208 | CD14 | Up |
| ncbi\_105082278 | CTLA4 | Up |
| ncbi\_105082279 | CD28 | Up |
| ncbi\_105082327 | HSPD1 | Up |
| ncbi\_105082679 | PIK3R2 | Up |
| ncbi\_105082694 | LCP2 | Up |
| ncbi\_105082735 | LIMK1 | Up |
| ncbi\_105082737 | LAT2 | Up |
| ncbi\_105082750 | RABGEF1 | Up |
| ncbi\_105082773 | ITGAM | Up |
| ncbi\_105082855 | LAT | Up |
| ncbi\_105083195 | DDX60 | Up |
| ncbi\_105083239 | Cd38 | Up |
| ncbi\_105083414 | ACTR3 | Up |
| ncbi\_105083440 | Rgcc | Up |
| ncbi\_105083447 | ELF1 | Up |
| ncbi\_105083471 | BIRC2 | Up |
| ncbi\_105083472 | BIRC3 | Up |
| ncbi\_105083823 | HSP90AB1 | Up |
| ncbi\_105083830 | CDC5L | Up |
| ncbi\_105083952 | Susd4 | Up |
| ncbi\_105083953 | TLR5 | Up |
| ncbi\_105061720 | MLH1 | Up |
| ncbi\_105062116 | STAT6 | Up |
| ncbi\_105062175 | AICDA | Up |
| ncbi\_105062421 | PIK3CG | Up |
| ncbi\_105062459 | Pou2f2 | Up |
| ncbi\_105062499 | BCL3 | Up |
| ncbi\_105062879 | TGFB1 | Up |
| ncbi\_105063338 | LAMP3 | Up |
| ncbi\_105063850 | PTK2B | Up |
| ncbi\_105064238 | HLA-DMA | Up |
| ncbi\_105064241 | TAP1 | Up |
| ncbi\_105064320 | XRCC4 | Up |
| ncbi\_105064571 | ERAP2 | Up |
| ncbi\_105064572 | ERAP1 | Up |
| ncbi\_105064739 | NBN | Up |
| ncbi\_105064951 | JAG1 | Up |
| ncbi\_105065211 | RIF1 | Up |
| ncbi\_105065218 | NLRP3 | Up |
| ncbi\_105065395 | JAM3 | Up |
| ncbi\_105065533 | CD7 | Up |
| ncbi\_105065629 | FOXJ1 | Up |
| ncbi\_105065802 | UNC13D | Up |
| ncbi\_105065925 | SIGLEC11 | Up |
| ncbi\_105066389 | SIRT1 | Up |
| ncbi\_105066404 | ALOX15 | Up |
| ncbi\_105066646 | IL12A | Up |
| ncbi\_105066795 | RNF19B | Up |
| ncbi\_105066901 | TNFSF13B | Up |
| ncbi\_105066903 | LIG4 | Up |
| ncbi\_105067053 | CD40LG | Up |
| ncbi\_105067541 | SIT1 | Up |
| ncbi\_105067944 | LEF1 | Up |
| ncbi\_105068011 | SHLD2 | Up |
| ncbi\_105068033 | SH2D1B | Up |
| ncbi\_105068034 | SLAMF6 | Up |
| ncbi\_105068132 | SEMA4A | Up |
| ncbi\_105068307 | IL27RA | Up |
| ncbi\_105068375 | ICAM1 | Up |
| ncbi\_105069475 | CD1B | Up |
| ncbi\_105069481 | CD1A | Up |
| ncbi\_105069496 | FCER1A | Up |
| ncbi\_105069524 | SLAMF6 | Up |
| ncbi\_105069525 | CD84 | Up |
| ncbi\_105069526 | SLAMF1 | Up |
| ncbi\_105069528 | SLAMF7 | Up |
| ncbi\_105069531 | LY9 | Up |
| ncbi\_105069532 | CD244 | Up |
| ncbi\_105070182 | CD6 | Up |
| ncbi\_105070328 | Clcf1 | Up |
| ncbi\_105070459 | IL13RA2 | Up |
| ncbi\_105070510 | FCRL4 | Up |
| ncbi\_105071106 | CD27 | Up |
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| ncbi\_105071462 | THOC1 | Up |
| ncbi\_105071599 | ATAD5 | Up |
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| ncbi\_105072177 | ARID5A | Up |
| ncbi\_105072217 | IL1R1 | Up |
| ncbi\_105072221 | IL18R1 | Up |
| ncbi\_105072222 | IL18RAP | Up |
| ncbi\_105072260 | CD8A | Up |
| ncbi\_105072345 | BCL6 | Up |
| ncbi\_105072377 | DLG1 | Up |
| ncbi\_105072388 | RNF168 | Up |
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| ncbi\_105072629 | Eomes | Up |
| ncbi\_105072660 | EPHB6 | Up |
| ncbi\_105072662 | GPR183 | Up |
| ncbi\_105073097 | SAMSN1 | Up |
| ncbi\_105073193 | TNFRSF13C | Up |
| ncbi\_105073341 | TBX21 | Up |
| ncbi\_105073406 | CD274 | Up |
| ncbi\_105073415 | IL33 | Up |
| ncbi\_105073987 | TNFRSF11A | Up |
| ncbi\_105074023 | AGER | Up |
| ncbi\_105074075 | LTA | Up |
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| ncbi\_105074667 | ZBTB1 | Up |
| ncbi\_105075305 | BATF | Up |
| ncbi\_105075425 | IL10 | Up |
| ncbi\_105075454 | FCAMR | Up |
| ncbi\_105075556 | IL23R | Up |
| ncbi\_105075667 | UNG | Up |
| ncbi\_105075938 | SH2D1A | Up |
| ncbi\_105076036 | ADAM17 | Up |
| ncbi\_105076509 | Cd44 | Up |
| ncbi\_105076638 | SWAP70 | Up |
| ncbi\_105077043 | EIF2AK4 | Up |
| ncbi\_105077060 | TP53BP1 | Up |
| ncbi\_105077226 | STX7 | Up |
| ncbi\_105077295 | STX11 | Up |
| ncbi\_105077310 | PMS2 | Up |
| ncbi\_105077790 | GAPT | Up |
| ncbi\_105077802 | IL6ST | Up |
| ncbi\_105077860 | IL31RA | Up |
| ncbi\_105078059 | AIRE | Up |
| ncbi\_105078061 | ICOSLG | Up |
| ncbi\_105078074 | LOXL3 | Up |
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| ncbi\_105078268 | ADGRE1 | Up |
| ncbi\_105078407 | FCER2 | Up |
| ncbi\_105078638 | HSPA8 | Up |
| ncbi\_105078644 | CRTAM | Up |
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| ncbi\_105079173 | JAK2 | Up |
| ncbi\_105079639 | SASH3 | Up |
| ncbi\_105079801 | IL6 | Up |
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| ncbi\_105080141 | ALCAM | Up |
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| ncbi\_105080629 | ORAI1 | Up |
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| ncbi\_105083520 | CTSC | Up |
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| ncbi\_105083767 | TFEB | Up |
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| ncbi\_105081428 | FOXP1 | Up |
| MSTRG.10587 | Patr-A | Up |
| ncbi\_105061640 | HLA-A | Up |
| ncbi\_105061802 | KIF15 | Up |
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| ncbi\_105061944 | KIF2C | Up |
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| ncbi\_105063862 | KIF3C | Up |
| ncbi\_105064235 | HLA-DOA | Up |
| ncbi\_105064239 | HLA-DMB | Up |
| ncbi\_105064242 | PSMB8 | Up |
| ncbi\_105064245 | HLA-DOB | Up |
| ncbi\_105064246 | HLA-DRB1 | Up |
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| ncbi\_105064276 | HLA-DRB1 | Up |
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| ncbi\_105064569 | LNPEP | Up |
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| ncbi\_105071563 | RAB34 | Up |
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| ncbi\_105073672 | DCTN5 | Up |
| ncbi\_105074084 | HLA-B | Up |
| ncbi\_105074307 | Dctn4 | Up |
| ncbi\_105075595 | Rab8b | Up |
| ncbi\_105076220 | RACGAP1 | Up |
| ncbi\_105076550 | KIF18A | Up |
| ncbi\_105076940 | Snap23 | Up |
| ncbi\_105077089 | ATG5 | Up |
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| ncbi\_105078362 | AP3D1 | Up |
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| ncbi\_105079208 | Sec22b | Up |
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| ncbi\_105079648 | RAB33A | Up |
| ncbi\_105079874 | LGMN | Up |
| ncbi\_105081829 | KIF11 | Up |
| ncbi\_105082108 | KIF3A | Up |
| ncbi\_105082130 | SAR1B | Up |
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| ncbi\_105082680 | IFI30 | Up |
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| ncbi\_105082817 | KIF22 | Up |
| ncbi\_105083304 | RAB6A | Up |
| ncbi\_105083761 | TREM2 | Up |
| ncbi\_105084049 | Patr-A | Up |
| ncbi\_105062992 | DOCK11 | Up |
| ncbi\_105064071 | DOCK10 | Up |
| ncbi\_105065498 | Itm2a | Up |
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| ncbi\_105073150 | MFNG | Up |
| ncbi\_105079218 | NOTCH2 | Up |
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| ncbi\_105066875 | GAS6 | Up |
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| ncbi\_105069553 | APOA2 | Up |
| ncbi\_105069653 | ANGPT1 | Up |
| ncbi\_105071266 | TEK | Up |
| ncbi\_105072636 | TGFBR2 | Up |
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| ncbi\_105075375 | TGFB3 | Up |
| ncbi\_105078739 | Kars1 | Up |
| ncbi\_105079594 | WNT5A | Up |
| ncbi\_105081548 | CD96 | Up |
| ncbi\_105082675 | CCDC194 | Up |
| ncbi\_105083972 | Tgfb2 | Up |
| MSTRG.6068 | DEFB103A | Up |
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| ncbi\_105062624 | CD37 | Up |
| ncbi\_105063379 | BMI1 | Up |
| ncbi\_105063410 | YTHDF2 | Up |
| ncbi\_105063518 | PDCD1 | Up |
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| ncbi\_105070900 | PLA2G2A | Up |
| ncbi\_105071199 | MXRA8 | Up |
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| ncbi\_105075281 | RBPJ | Up |
| ncbi\_105076881 | LYZ | Up |
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| ncbi\_105078293 | CCL25 | Up |
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| ncbi\_105078691 | CCL22 | Up |
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| ncbi\_105071078 | Tnfrsf4 | Up |
| ncbi\_105072204 | REV1 | Up |
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| ncbi\_105062193 | KLRF2 | Up |
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| ncbi\_105082996 | PLCB4 | Up |
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| ncbi\_105064292 | CCL3 | Up |
| ncbi\_105064445 | ARSB | Up |
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| ncbi\_105064955 | SNAP25 | Up |
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| ncbi\_105074982 | ATP8A1 | Up |
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| ncbi\_105075359 | PLAU | Up |
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| ncbi\_105076153 | ANO6 | Up |
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| ncbi\_105080563 | SIGLEC14 | Up |
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| ncbi\_105080846 | P2RX1 | Up |
| ncbi\_105080899 | Gm2a | Up |
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| ncbi\_105081356 | GNS | Up |
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| ncbi\_105083174 | Cd93 | Up |
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| ncbi\_105068250 | IL6R | Up |
| ncbi\_105063610 | TRAF3IP1 | Up |
| ncbi\_105074697 | IL2RA | Up |
| ncbi\_105078966 | EIF2AK2 | Up |
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| ncbi\_105081847 | IFIT1 | Up |
| ncbi\_105084176 | TRIM38 | Up |
| ncbi\_105063949 | BPTF | Up |
| ncbi\_105064792 | DNAJA3 | Up |
| ncbi\_105065208 | NMI | Up |
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| ncbi\_105071402 | ADCYAP1 | Up |
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| ncbi\_105061976 | Tsc22d3 | Up |
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| ncbi\_105062876 | Axl | Up |
| ncbi\_105063097 | GLI3 | Up |
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| ncbi\_105063928 | PRKAR1A | Up |
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| ncbi\_105066611 | GPR171 | Up |
| ncbi\_105066884 | Cul4a | Up |
| ncbi\_105067006 | KITLG | Up |
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| ncbi\_105070130 | HMGB3 | Up |
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| ncbi\_105070907 | NBL1 | Up |
| ncbi\_105071321 | SFRP1 | Up |
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