

| Gene       | Gene_id   | UniProt       | Score_gda |
|------------|-----------|---------------|-----------|
| ADAM17     | 6868      | P78536        | 0.03      |
| ADGRE1     | 2015      | Q14246        | 0.1       |
| ADIPOQ     | 9370      | Q15848        | 0.02      |
| ADRB1      | 153       | P08588        | 0.21      |
| AGER       | 177       | Q15109        | 0.22      |
| AGT        | 183       | P01019        | 0.02      |
| AHR        | 196       | P35869        | 0.03      |
| AHSA1      | 10598     | O95433        | 0.03      |
| AIMP2      | 7965      | Q13155        | 0.03      |
| ALB        | 213       | P02768        | 0.03      |
| ALDH2      | 217       | P05091        | 0.02      |
| ANP32B     | 10541     | Q92688        | 0.02      |
| AP3B1      | 8546      | O00203        | 0.1       |
| APOE       | 348       | P02649        | 0.02      |
| APP        | 351       | P05067        | 0.02      |
| ATM        | 472       | Q13315        | 0.02      |
| ATN1       | 1822      | P54259        | 0.02      |
| BCL2       | 596       | P10415        | 0.02      |
| BIRC5      | 332       | O15392        | 0.1       |
| BSG        | 682       | P35613        | 0.04      |
| BTF3P11    | 690       |               | 0.05      |
| C1R        | 715       | P00736        | 0.1       |
| C1S        | 716       | P09871        | 0.1       |
| C20orf181  | 100128998 |               | 0.02      |
| CALCA      | 796       | P01258;P06881 | 0.02      |
| CAMP       | 820       | P49913        | 0.04      |
| CASP1      | 834       | P29466        | 0.04      |
| CASP3      | 836       | P42574        | 0.05      |
| CAT        | 847       | P04040        | 0.02      |
| CCL2       | 6347      | P13500        | 0.28      |
| CCR5       | 1234      | P51681        | 0.04      |
| CD14       | 929       | P08571        | 0.3       |
| CD274      | 29126     | Q9NZQ7        | 0.02      |
| CD36       | 948       | P16671        | 0.03      |
| CD40LG     | 959       | P29965        | 0.03      |
| CD68       | 968       | P34810        | 0.02      |
| CDK9       | 1025      | P50750        | 0.02      |
| CDKN2B-AS1 | 100048912 |               | 0.09      |
| CLDN1      | 9076      | O95832        | 0.2       |
| CLU        | 1191      | P10909        | 0.02      |
| COL25A1    | 84570     | Q9BXS0        | 0.03      |
| COL3A1     | 1281      | P02461        | 0.1       |
| COX2       | 4513      | P00403        | 0.05      |
| COX8A      | 1351      | P10176        | 0.03      |
| CRACR2A    | 84766     | Q9BSW2        | 0.1       |
| CRK        | 1398      | P46108        | 0.03      |
| CRP        | 1401      | P02741        | 0.4       |
| CSF1       | 1435      | P09603        | 0.05      |
| CSF3       | 1440      | P09919        | 0.02      |
| CTC1       | 80169     | Q2NKJ3        | 0.1       |
| CTLA4      | 1493      | P16410        | 0.04      |
| CTNNB1     | 1499      | P35222        | 0.02      |
| CTSC       | 1075      | P53634        | 0.02      |
| CTSK       | 1513      | P43235        | 0.03      |
| CTSS       | 1520      | P25774        | 0.02      |
| CXCL12     | 6387      | P48061        | 0.03      |
| CXCL2      | 2920      | P19875        | 0.2       |
| CXCL8      | 3576      | P10145        | 0.1       |
| CXCR4      | 7852      | P61073        | 0.02      |
| CYP1A1     | 1543      | P04798        | 0.02      |
| DEFB1      | 1672      | P60022        | 0.09      |
| DEFB103A   | 414325    | P81534        | 0.06      |
| DEFB103B   | 55894     | P81534        | 0.06      |
| DEFB4A     | 1673      | O15263        | 0.08      |
| DEFB4B     | 100289462 | O15263        | 0.08      |
| DKC1       | 1736      | O60832        | 0.1       |

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|-----------|-----------|--------|------|
| DKK1      | 22943     | 094907 | 0.02 |
| DNMT1     | 1786      | P26358 | 0.02 |
| EDIL3     | 10085     | 043854 | 0.03 |
| EGF       | 1950      | P01133 | 0.02 |
| ELANE     | 1991      | P08246 | 0.14 |
| ELN       | 2006      | P15502 | 0.02 |
| ESR1      | 2099      | P03372 | 0.04 |
| F2R       | 2149      | P25116 | 0.02 |
| F2RL1     | 2150      | P55085 | 0.06 |
| FCGR2A    | 2212      | P12318 | 0.02 |
| FCGR2B    | 2213      | P31994 | 0.03 |
| FCGR3A    | 2214      | P08637 | 0.03 |
| FERMT1    | 55612     | Q9BQL6 | 0.1  |
| FGD5-AS1  | 100505641 |        | 0.02 |
| FGF2      | 2247      | P09038 | 0.02 |
| FGF3      | 2248      | P11487 | 0.1  |
| FN1       | 2335      | P02751 | 0.02 |
| FOXO1     | 2308      | Q12778 | 0.02 |
| FOXP3     | 50943     | Q9BZS1 | 0.04 |
| FPR1      | 2357      | P21462 | 0.31 |
| GABPA     | 2551      | Q06546 | 0.03 |
| GCFC2     | 6936      | P16383 | 0.02 |
| GFI1      | 2672      | Q99684 | 0.1  |
| GGT1      | 2678      | P19440 | 0.3  |
| GIP       | 2695      | P09681 | 0.02 |
| GLT6D1    | 360203    | Q7Z4J2 | 0.12 |
| GORAB     | 92344     | Q5T7V8 | 0.1  |
| GORASP1   | 64689     | Q9BQQ3 | 0.02 |
| GRAP2     | 9402      | O75791 | 0.03 |
| GSTM1     | 2944      | P09488 | 0.02 |
| HGF       | 3082      | P14210 | 0.02 |
| HIF1A     | 3091      | Q16665 | 0.03 |
| HLA-DRB1  | 3123      | P01911 | 0.03 |
| HMGB1     | 3146      | P09429 | 0.26 |
| HSPA14    | 51182     | Q0VDF9 | 0.04 |
| HSPD1     | 3329      | P10809 | 0.04 |
| ICAM1     | 3383      | P05362 | 0.1  |
| IFNG      | 3458      | P01579 | 0.1  |
| IFNL1     | 282618    | Q8IU54 | 0.02 |
| IGF1      | 3479      | P05019 | 0.02 |
| IGFBP5    | 3488      | P24593 | 0.02 |
| IL10      | 3586      | P22301 | 0.3  |
| IL11      | 3589      | P20809 | 0.02 |
| IL13      | 3596      | P35225 | 0.05 |
| IL17A     | 3605      | Q16552 | 0.1  |
| IL17F     | 112744    | Q96PD4 | 0.06 |
| IL18      | 3606      | Q14116 | 0.05 |
| IL1A      | 3552      | P01583 | 0.1  |
| IL1B      | 3553      | P01584 | 0.3  |
| IL1RN     | 3557      | P18510 | 0.09 |
| IL2       | 3558      | P60568 | 0.02 |
| IL22      | 50616     | Q9GZX6 | 0.04 |
| IL2RA     | 3559      | P01589 | 0.03 |
| IL33      | 90865     | O95760 | 0.03 |
| IL34      | 146433    | Q6ZMJ4 | 0.03 |
| IL4       | 3565      | P05112 | 0.07 |
| IL6       | 3569      | P05231 | 0.1  |
| IL6ST     | 3572      | P40189 | 0.02 |
| INPP5D    | 3635      | Q92835 | 0.03 |
| ITGAM     | 3684      | P11215 | 0.04 |
| ITGB2     | 3689      | P05107 | 0.12 |
| LBP       | 3929      | P18428 | 0.2  |
| LEP       | 3952      | P41159 | 0.03 |
| LINC02022 | 105376955 |        | 0.1  |
| LMLN      | 89782     | Q96KR4 | 0.02 |
| LTA       | 4049      | P01374 | 0.03 |
| LTF       | 4057      | P02788 | 0.03 |

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| LYST     | 1130      | Q99698 | 0.1  |
| MALAT1   | 378938    |        | 0.02 |
| MAPK1    | 5594      | P28482 | 0.04 |
| MAPK14   | 1432      | Q16539 | 0.03 |
| MBL2     | 4153      | P11226 | 0.02 |
| MBL3P    | 50639     |        | 0.02 |
| MCM3AP   | 8888      | O60318 | 0.1  |
| MEFV     | 4210      | O15553 | 0.02 |
| MET      | 4233      | P08581 | 0.21 |
| MFSD1    | 64747     | Q9H3U5 | 0.11 |
| MIF      | 4282      | P14174 | 0.03 |
| MIR142   | 406934    |        | 0.03 |
| MIR146A  | 406938    |        | 0.04 |
| MIR21    | 406991    |        | 0.03 |
| MLKL     | 197259    | Q8NB16 | 0.02 |
| MMP1     | 4312      | P03956 | 0.1  |
| MMP12    | 4321      | P39900 | 0.02 |
| MMP13    | 4322      | P45452 | 0.24 |
| MMP2     | 4313      | P08253 | 0.29 |
| MMP3     | 4314      | P08254 | 0.27 |
| MMP7     | 4316      | P09237 | 0.03 |
| MMP8     | 4317      | P22894 | 0.1  |
| MMP9     | 4318      | P14780 | 0.4  |
| MPO      | 4353      | P05164 | 0.1  |
| MSMB     | 4477      | P08118 | 0.02 |
| MST1     | 4485      | P26927 | 0.02 |
| MTCO2P12 | 107075310 |        | 0.04 |
| MUC4     | 4585      | Q99102 | 0.02 |
| MYD88    | 4615      | Q99836 | 0.03 |
| NAMPT    | 10135     | P43490 | 0.21 |
| NFATC1   | 4772      | O95644 | 0.02 |
| NFE2L2   | 4780      | Q16236 | 0.03 |
| NFKB1    | 4790      | P19838 | 0.04 |
| NHP2     | 55651     | Q9NX24 | 0.1  |
| NKAIN2   | 154215    | Q5VXU1 | 0.1  |
| NLRP3    | 114548    | Q96P20 | 0.07 |
| NOD2     | 64127     | Q9HC29 | 0.03 |
| NOP10    | 55505     | Q9NPE3 | 0.1  |
| NOTCH2   | 4853      | Q04721 | 0.1  |
| NPY      | 4852      | P01303 | 0.03 |
| NR1I2    | 8856      | O75469 | 0.03 |
| NTRK1    | 4914      | P04629 | 0.22 |
| OCRL     | 4952      | Q01968 | 0.1  |
| ODAM     | 54959     | A1E959 | 0.02 |
| OLFM1    | 10439     | Q99784 | 0.03 |
| P2RX7    | 5027      | Q99572 | 0.02 |
| PADI4    | 23569     | Q9UM07 | 0.02 |
| PARN     | 5073      | O95453 | 0.1  |
| PCSK9    | 255738    | Q8NBP7 | 0.03 |
| PKN2-AS1 | 101927891 |        | 0.1  |
| PLG      | 5340      | P00747 | 0.19 |
| POLDIP2  | 26073     | Q9Y2S7 | 0.03 |
| PON1     | 5444      | P27169 | 0.02 |
| POSTN    | 10631     | Q15063 | 0.2  |
| PPARA    | 5465      | Q07869 | 0.2  |
| PPARG    | 5468      | P37231 | 0.06 |
| PRTN3    | 5657      | P24158 | 0.03 |
| PTGS2    | 5743      | P35354 | 0.1  |
| PTH      | 5741      | P01270 | 0.03 |
| PTPN2    | 5771      | P17706 | 0.02 |
| PTX3     | 5806      | P26022 | 0.05 |
| PWAR1    | 145624    |        | 0.02 |
| RARRES2  | 5919      | Q99969 | 0.02 |
| RELA     | 5970      | Q04206 | 0.02 |
| REN      | 5972      | P00797 | 0.03 |
| RNASE3   | 6037      | P12724 | 0.02 |
| RNF19A   | 25897     | Q9NV58 | 0.03 |

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|-------------|-----------|--------|------|
| RTEL1       | 51750     | Q9NZ71 | 0.1  |
| RTL1        | 388015    | A6NKG5 | 0.02 |
| RUNX2       | 860       | Q13950 | 0.03 |
| S100A8      | 6279      | P05109 | 0.07 |
| S100A9      | 6280      | P06702 | 0.04 |
| SELE        | 6401      | P16581 | 0.02 |
| SERPINE1    | 5054      | P05121 | 0.04 |
| SERPINF2    | 5345      | P08697 | 0.04 |
| SETMAR      | 6419      | Q53H47 | 0.02 |
| SFRP5       | 6425      | Q5T4F7 | 0.02 |
| SIGLEC5     | 8778      | O15389 | 0.11 |
| SIRT1       | 23411     | Q96EB6 | 0.02 |
| SLC35C1     | 55343     | Q96A29 | 0.1  |
| SLC52A1     | 55065     | Q9NWF4 | 0.03 |
| SLC52A2     | 79581     | Q9HAB3 | 0.02 |
| SOD2        | 6648      | P04179 | 0.03 |
| SOST        | 50964     | Q9BQB4 | 0.08 |
| SRP54       | 6729      | P61011 | 0.1  |
| ST8SIA4     | 7903      | Q92187 | 0.02 |
| STAT1       | 6772      | P42224 | 0.02 |
| SYT1        | 6857      | P21579 | 0.02 |
| TCIRG1      | 10312     | Q13488 | 0.1  |
| TENM2       | 57451     | Q9NT68 | 0.1  |
| TERC        | 7012      |        | 0.1  |
| TERT        | 7015      | O14746 | 0.1  |
| TGFB1       | 7040      | P01137 | 0.08 |
| THBS1       | 7057      | P07996 | 0.02 |
| THNSL2      | 55258     | Q86YJ6 | 0.02 |
| TIMP1       | 7076      | P01033 | 0.03 |
| TIMP2       | 7077      | P16035 | 0.02 |
| TIMP3       | 7078      | P35625 | 0.04 |
| TIMP4       | 7079      | Q99727 | 0.02 |
| TINF2       | 26277     | Q9BSI4 | 0.1  |
| TLR1        | 7096      | Q15399 | 0.02 |
| TLR2        | 7097      | O60603 | 0.1  |
| TLR4        | 7099      | O00206 | 0.1  |
| TLR9        | 54106     | Q9NR96 | 0.09 |
| TMPRSS13    | 84000     | Q9BYE2 | 0.02 |
| TNF         | 7124      | P01375 | 0.3  |
| TNFRSF11A   | 8792      | Q9Y6Q6 | 0.04 |
| TNFRSF11B   | 4982      | O00300 | 0.1  |
| TNFSF11     | 8600      | O14788 | 0.1  |
| TNFSF13     | 8741      | O75888 | 0.02 |
| TNFSF13B    | 10673     | Q9Y275 | 0.02 |
| TRAP        | 100187907 |        | 0.03 |
| TRBV200R9-2 | 6962      |        | 0.02 |
| TREM1       | 54210     | Q9NP99 | 0.02 |
| TREM2       | 54209     | Q9NZC2 | 0.02 |
| TUG1        | 55000     |        | 0.02 |
| USB1        | 79650     | Q9BQ65 | 0.1  |
| VCAM1       | 7412      | P19320 | 0.21 |
| VDR         | 7421      | P11473 | 0.1  |
| VEGFA       | 7422      | P15692 | 0.09 |
| VIP         | 7432      | P01282 | 0.21 |
| WNK1        | 65125     | Q9H4A3 | 0.02 |
| WNT5A       | 7474      | P41221 | 0.03 |
| WRAP53      | 55135     | Q9BUR4 | 0.1  |

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