

| | | | | | | | | | | | | | |
|-----|-------------|-----|----------|-----|---------|-----|----------|-----|-----------|-----|---------|-----|-----------|
| No. | Gene Symbol | 101 | Cacng5 | 202 | Dpysl5 | 303 | Gyg | 404 | Mast4 | 505 | Ppap2b | 606 | Slc6a9 |
| 1 | Abat | 102 | Cacng7 | 203 | Drd2 | 304 | Hap1 | 405 | mCG140667 | 506 | Ppfibp1 | 607 | Slc8a3 |
| 2 | Abhd3 | 103 | Cacybp | 204 | Dscr111 | 305 | Hars2 | 406 | Mdfi | 507 | Pqlc1 | 608 | Slc9a9 |
| 3 | Ablim3 | 104 | Cadps2 | 205 | Dusp10 | 306 | Hcn2 | 407 | Megf10 | 508 | Prdx1 | 609 | Slco3a1 |
| 4 | Acat2 | 105 | Cage1 | 206 | Dusp5 | 307 | Hcrtr1 | 408 | Megf11 | 509 | Prkcd | 610 | Sncg |
| 5 | Ache | 106 | Calb2 | 207 | Ece2 | 308 | Hdc | 409 | Meis1 | 510 | Prkg1 | 611 | Socs6 |
| 6 | Acsbg1 | 107 | Calcb | 208 | Ecel1 | 309 | Hes3 | 410 | Mesdc2 | 511 | Prmt2 | 612 | Sod1 |
| 7 | Acsl3 | 108 | Calcr | 209 | Edc3 | 310 | Hip1 | 411 | Mfap5 | 512 | Prokr2 | 613 | Sp8 |
| 8 | Actr10 | 109 | Calml3 | 210 | Edg1 | 311 | Hmgcs1 | 412 | Mlstd1 | 513 | Prrg2 | 614 | Sparc |
| 9 | Acyp2 | 110 | Capn2 | 211 | Ednrb | 312 | Hod | 413 | Mm.271301 | 514 | Psmd5 | 615 | Spata13 |
| 10 | Adamts19 | 111 | Car10 | 212 | Eif5a2 | 313 | Homer2 | 414 | Mrg1 | 515 | Psme1 | 616 | Spp1 |
| 11 | Adamts2 | 112 | Car2 | 213 | Elavl2 | 314 | Hrasls3 | 415 | Mrg2 | 516 | Psme2 | 617 | Sptlc2 |
| 12 | Adamts4 | 113 | Car4 | 214 | Elov15 | 315 | Hspa4l | 416 | Mrpl39 | 517 | Pstpip1 | 618 | Sqle |
| 13 | Adarb1 | 114 | Car7 | 215 | Elov16 | 316 | Icmt | 417 | Msi2 | 518 | Ptgds | 619 | Srgap1 |
| 14 | Adarb2 | 115 | Cart | 216 | En2 | 317 | Idh1 | 418 | Msto1 | 519 | Ptpn2 | 620 | Srprb |
| 15 | Adcy4 | 116 | Casq2 | 217 | Endod1 | 318 | Igfbp5 | 419 | Mtap4 | 520 | Ptpn4 | 621 | Ssbp2 |
| 16 | Adcy8 | 117 | Casr | 218 | Entpd3 | 319 | Igsf3 | 420 | Mtrr | 521 | Ptprm | 622 | St8sia1 |
| 17 | Adcyap1 | 118 | Cast | 219 | Eomes | 320 | Il13ra1 | 421 | Mtss1 | 522 | Ptpro | 623 | Stac |
| 18 | Adcyap1r1 | 119 | Ccdc91 | 220 | Ephb1 | 321 | Il16 | 422 | Mum1l1 | 523 | Ptpr | 624 | Stat5b |
| 19 | Adipor1 | 120 | Cd81 | 221 | Epn3 | 322 | Impact | 423 | Myt1 | 524 | Ptprz1 | 625 | Steap2 |
| 20 | AF529169 | 121 | Cda | 222 | Erbp4 | 323 | Impg2 | 424 | Nab1 | 525 | Ptrf | 626 | Stk17b |
| 21 | Agc1 | 122 | Cdc42ep1 | 223 | Ero1lb | 324 | Inhba | 425 | Ndn | 526 | Pvalb | 627 | Stmn3 |
| 22 | Agt | 123 | Cdgap | 224 | Esrrg | 325 | Inpp4b | 426 | Ndrp2 | 527 | Pvr | 628 | Stx3 |
| 23 | Agtr1b | 124 | Cdh15 | 225 | Etv1 | 326 | Inpp5a | 427 | Ndufb8 | 528 | Pygb | 629 | Sv2c |
| 24 | Agxt2l1 | 125 | Cdh4 | 226 | Evi5 | 327 | Insig1 | 428 | Ndufs1 | 529 | Qdpr | 630 | Syne2 |
| 25 | AI427515 | 126 | Cdh8 | 227 | Exph5 | 328 | Iqsec3 | 429 | Nefh | 530 | Rab37 | 631 | Syt10 |
| 26 | AI450948 | 127 | Cdkn1a | 228 | F2r | 329 | Irs4 | 430 | Nell1 | 531 | Rab3c | 632 | Syt6 |
| 27 | AI836003 | 128 | Cdkn2b | 229 | Fabp5 | 330 | Isoc1 | 431 | Neurl | 532 | Raf1 | 633 | Syt9 |
| 28 | Akap12 | 129 | Cdr2 | 230 | Fabp7 | 331 | Itga3 | 432 | Neurod1 | 533 | Rasa2 | 634 | Tacr3 |
| 29 | Akap13 | 130 | Cerk | 231 | Fbn2 | 332 | Itgb1 | 433 | Nfil3 | 534 | Rasa4 | 635 | Tal1 |
| 30 | Akap2 | 131 | Chd7 | 232 | Fbxo9 | 333 | Itgb1bp1 | 434 | Nfyc | 535 | Rassf8 | 636 | Tbl3 |
| 31 | Akr1b3 | 132 | Chml | 233 | Fdft1 | 334 | Itih3 | 435 | Ngb | 536 | Raver2 | 637 | TC1410973 |
| 32 | Aldh1a1 | 133 | Chn2 | 234 | Fdps | 335 | Jam2 | 436 | Nhlh2 | 537 | Rax | 638 | TC1517215 |
| 33 | Aldh1l1 | 134 | Chrm2 | 235 | Fgd3 | 336 | Jup | 437 | Nhlrc1 | 538 | Rbed1 | 639 | TC1563370 |
| 34 | Aldh5a1 | 135 | Chrm5 | 236 | Fgf13 | 337 | Kbtbd3 | 438 | Nifun | 539 | Rbpms2 | 640 | TC1563688 |
| 35 | Aldoc | 136 | Chrna3 | 237 | Flt3l | 338 | Kcnb2 | 439 | Nmb | 540 | Rcn2 | 641 | TC1568600 |
| 36 | Alg2 | 137 | Chrna4 | 238 | Fmo1 | 339 | Kcnc1 | 440 | Nola3 | 541 | Reln | 642 | Tcf2 |
| 37 | Alkbh6 | 138 | Chrna5 | 239 | Fn1 | 340 | Kcnc2 | 441 | Nova1 | 542 | Resp18 | 643 | Tex261 |
| 38 | Alox8 | 139 | Chrna6 | 240 | Fndc5 | 341 | Kcnd2 | 442 | Npffr2 | 543 | Rfk | 644 | Tgfb1 |
| 39 | Amigo2 | 140 | Chrb3 | 241 | Fos | 342 | Kcnd3 | 443 | Npr1 | 544 | Rfx4 | 645 | Th |
| 40 | Amot | 141 | Chst8 | 242 | Fryl | 343 | Kcng4 | 444 | Nrg1 | 545 | Rgs3 | 646 | Thra |
| 41 | Amotl1 | 142 | Cib2 | 243 | Fst | 344 | Kcnip1 | 445 | Nrip3 | 546 | Rgs8 | 647 | Tiam1 |
| 42 | Ank1 | 143 | Clcn5 | 244 | Fstl5 | 345 | Kcnip4 | 446 | Nrsn2 | 547 | Rhobtb3 | 648 | Tm2d3 |
| 43 | Ankrd24 | 144 | Cldn11 | 245 | Fts | 346 | Kcnk1 | 447 | Nt5m | 548 | Rnd2 | 649 | Tm2d3 |

| | | | | | | | | | | | | | |
|----|----------|-----|--------------|-----|---------|-----|-----------|-----|---------|-----|-----------|-----|---------|
| 44 | Ankrd38 | 145 | Clgn | 246 | Fut8 | 347 | Kcnk13 | 448 | Ntn1 | 549 | Rnf13 | 650 | Tm6sf1 |
| 45 | Anln | 146 | Clic4 | 247 | Fzd8 | 348 | Kcns3 | 449 | Ntsr1 | 550 | Rnh1 | 651 | Tm6sf1 |
| 46 | Anxa2 | 147 | Clmn | 248 | Gaa | 349 | Kctd9 | 450 | Nxn | 551 | Rorc | 652 | Tmed3 |
| 47 | Apba1 | 148 | Clptm1l | 249 | Gabra6 | 350 | Kifc3 | 451 | Nxph4 | 552 | Rpl11 | 653 | Tmem130 |
| 48 | Apbb2 | 149 | Cmb1 | 250 | Gabre | 351 | Kit | 452 | Og9x | 553 | Rps12 | 654 | Tmem163 |
| 49 | Apc | 150 | Cnksr3 | 251 | Gabrq | 352 | Kitl | 453 | Opn3 | 554 | Rps5 | 655 | Tmem16f |
| 50 | Aqp2 | 151 | Cnp1 | 252 | Gad1 | 353 | Klhl1 | 454 | Optn | 555 | Rragd | 656 | Tmem22 |
| 51 | Aqp4 | 152 | Cntn6 | 253 | Gad2 | 354 | Klhl4 | 455 | Osbp19 | 556 | Rwdd2 | 657 | Tmem29 |
| 52 | Arhgap12 | 153 | Cntnap3 | 254 | Gal | 355 | Klk6 | 456 | Ostf1 | 557 | S100a10 | 658 | Tmem33 |
| 53 | Arhgap5 | 154 | Cntnap4 | 255 | Galnt10 | 356 | L1cam | 457 | P2ry6 | 558 | S100a16 | 659 | Tmem41a |
| 54 | Arhgdig | 155 | Col11a1 | 256 | Galnt13 | 357 | Lamb1-1 | 458 | P4ha2 | 559 | S100b | 660 | Tmem47 |
| 55 | Arl10 | 156 | Col18a1 | 257 | Galnt6 | 358 | Lancl3 | 459 | Pacs2 | 560 | Sacm1l | 661 | Tmem64 |
| 56 | Arl2 | 157 | Col24a1 | 258 | Gata3 | 359 | Lcat | 460 | Pacsin2 | 561 | Samd14 | 662 | Tmie |
| 57 | Arl5a | 158 | Col27a1 | 259 | Gatm | 360 | Lef1 | 461 | Pappa2 | 562 | Sap30l | 663 | Tnc |
| 58 | Armc2 | 159 | Col5a3 | 260 | Gbe1 | 361 | Lgi3 | 462 | Paqr8 | 563 | Sash1 | 664 | Tnfaip8 |
| 59 | Arntl | 160 | Col9a1 | 261 | Gcg | 362 | Lgr5 | 463 | Park2 | 564 | Sc4mol | 665 | Tnrc6a |
| 60 | Arx | 161 | Cops4 | 262 | Gch1 | 363 | Lhfp | 464 | Pax6 | 565 | Sc5d | 666 | Tns1 |
| 61 | Asb4 | 162 | Coro2b | 263 | Gchfr | 364 | Lhx1 | 465 | Pax7 | 566 | Scarb2 | 667 | Tob2 |
| 62 | Ascl1 | 163 | Cox6c | 264 | Gdf11 | 365 | Lhx5 | 466 | Pbx3 | 567 | Scd2 | 668 | Tpd52l1 |
| 63 | Astn2 | 164 | Cpne2 | 265 | Gdpd2 | 366 | Limk1 | 467 | Pcbp3 | 568 | Scd3 | 669 | Tph2 |
| 64 | Asxl3 | 165 | Creg1 | 266 | Gfra1 | 367 | Lip1 | 468 | Pcdh18 | 569 | Scg2 | 670 | Trh |
| 65 | Atbf1 | 166 | Crhr1 | 267 | Ghsr | 368 | Lix1 | 469 | Pcdh21 | 570 | Scube2 | 671 | Trim36 |
| 66 | Atf3 | 167 | Crhr2 | 268 | Gja1 | 369 | Lmx1b | 470 | Pcdh9 | 571 | Sdc2 | 672 | Tshz1 |
| 67 | Atic | 168 | Csdc2 | 269 | Gja7 | 370 | Lnx2 | 471 | Pcp2 | 572 | Sema3c | 673 | Tspan11 |
| 68 | Atp10a | 169 | Csk | 270 | Gja9 | 371 | LOC244958 | 472 | Pcsk1n | 573 | Sema3d | 674 | Tspan12 |
| 69 | Atp11c | 170 | Cspg2 | 271 | Gldc | 372 | LOC270764 | 473 | Pcsk6 | 574 | Sema3f | 675 | Tspan15 |
| 70 | Atp8a2 | 171 | Ctbp2 | 272 | Glra1 | 373 | LOC381076 | 474 | Pdcl | 575 | Sema4d | 676 | Tspan2 |
| 71 | AU040377 | 172 | Cthrc1 | 273 | Glra3 | 374 | LOC432637 | 475 | Pde4d | 576 | Sema4g | 677 | Tspan6 |
| 72 | AW049765 | 173 | Ctnnbip1 | 274 | Glul | 375 | LOC433088 | 476 | Pde9a | 577 | Sema6a | 678 | Ttbk2 |
| 73 | B3gnt5 | 174 | Ctsl | 275 | Gm1335 | 376 | LOC433093 | 477 | Pdxk | 578 | Sema6c | 679 | Tubb4 |
| 74 | B4galt1 | 175 | Cygb | 276 | Gm69 | 377 | LOC433228 | 478 | Pdzd8 | 579 | Sema6d | 680 | Tulp4 |
| 75 | B4galt5 | 176 | Cyp27a1 | 277 | Gng11 | 378 | LOC433254 | 479 | Peg10 | 580 | Serpinb1c | 681 | Txnrd3 |
| 76 | Bace2 | 177 | Cyp51 | 278 | Gng13 | 379 | LOC433258 | 480 | Phactr2 | 581 | Serpine2 | 682 | Ube1l2 |
| 77 | Baiap3 | 178 | D0H4S114 | 279 | Gng2 | 380 | LOC433485 | 481 | Phactr4 | 582 | Sez6l2 | 683 | Ublcp1 |
| 78 | BC004044 | 179 | D11Erttd333e | 280 | Gng4 | 381 | LOC545810 | 482 | Phf6 | 583 | Sgpp2 | 684 | Ugt8a |
| 79 | BC025816 | 180 | D8Erttd82e | 281 | Gpc3 | 382 | Loh11cr2a | 483 | Pias4 | 584 | Sh3bgrl2 | 685 | Unc5b |
| 80 | BC029169 | 181 | Dad1 | 282 | Gpc6 | 383 | Loxl1 | 484 | Pib5pa | 585 | Sh3d19 | 686 | Unc5c |
| 81 | BC030477 | 182 | Dbh | 283 | Gpr165 | 384 | Lpin1 | 485 | Pkia | 586 | Shb | 687 | Utp14b |
| 82 | BC031353 | 183 | Dbi | 284 | Gpr171 | 385 | Lrig1 | 486 | Pknox1 | 587 | Sla | 688 | Vangl1 |
| 83 | BC051227 | 184 | Ddc | 285 | Gpr37l1 | 386 | Lrp8 | 487 | Plcb4 | 588 | Slc10a4 | 689 | Vat1 |
| 84 | BC054438 | 185 | Ddc8 | 286 | Gpr56 | 387 | Lrrc1 | 488 | Plcd1 | 589 | Slc12a8 | 690 | Veph1 |
| 85 | BC057022 | 186 | Ddt | 287 | Gpr98 | 388 | Lrrc3b | 489 | Plcl1 | 590 | Slc17a6 | 691 | Vim |
| 86 | Bcat1 | 187 | Decr1 | 288 | Gprc5b | 389 | Lrrc55 | 490 | Plekha2 | 591 | Slc17a8 | 692 | Vipr2 |
| 87 | Bckdhb | 188 | Depdc6 | 289 | Gpx3 | 390 | Lrsam1 | 491 | Plekha7 | 592 | Slc18a2 | 693 | Vps39 |

| | | | | | | | | | | | | | |
|-----|----------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|
| 88 | Bmp5 | 189 | Dexi | 290 | Grb10 | 391 | Ltbp3 | 492 | Plekhg1 | 593 | Slc18a3 | 694 | Wnt10a |
| 89 | Brunol6 | 190 | Dhcr24 | 291 | Grid2 | 392 | Lxn | 493 | Plekhh2 | 594 | Slc20a2 | 695 | Wnt10b |
| 90 | Btbd11 | 191 | Dip3b | 292 | Grid2ip | 393 | Lypla1 | 494 | Plp1 | 595 | Slc22a3 | 696 | Wnt3 |
| 91 | Btbd3 | 192 | Dlat | 293 | Grin2c | 394 | Lzp-s | 495 | Pltp | 596 | Slc32a1 | 697 | Wrb |
| 92 | Btg1 | 193 | Dlk1 | 294 | Grin1a | 395 | Mad11l1 | 496 | Plxdc1 | 597 | Slc34a1 | 698 | Zcchc12 |
| 93 | Btg2 | 194 | Dlx1 | 295 | Grm1 | 396 | Maged2 | 497 | Plxdc2 | 598 | Slc38a1 | 699 | Zfhx2as |
| 94 | C1ql2 | 195 | Dlx6os1 | 296 | Grm4 | 397 | Magel2 | 498 | Plxnb2 | 599 | Slc38a3 | 700 | Zfhx4 |
| 95 | C85492 | 196 | Dnahc11 | 297 | Grp | 398 | Manba | 499 | Pmfbp1 | 600 | Slc41a3 | 701 | Zfp521 |
| 96 | C85492 | 197 | Dnajc12 | 298 | Gsn | 399 | Maoa | 500 | Pnpo | 601 | Slc5a7 | 702 | Zic1 |
| 97 | Cables2 | 198 | Dnm3 | 299 | Gstm4 | 400 | Maob | 501 | Podxl2 | 602 | Slc6a11 | 703 | Zim1 |
| 98 | Cacna2d2 | 199 | Doc2g | 300 | Gucy2c | 401 | Map2k5 | 502 | Pogk | 603 | Slc6a2 | | |
| 99 | Cacnb2 | 200 | Dock6 | 301 | Gucy2f | 402 | Map2k6 | 503 | Pogz | 604 | Slc6a3 | | |
| 100 | Cacng4 | 201 | Dpysl3 | 302 | Guk1 | 403 | Masp1 | 504 | Pon3 | 605 | Slc6a4 | | |