

| <i>PARK2 meta network</i> | <i>SNCA meta network</i> | <i>Genes common to both</i> |
|---|---------------------------------|------------------------------------|
| Genes also listed in Pdgene.org database highlighted in Yellow | | |
| A2M | ABCD2 | ADD1 |
| AASS | ABI2 | AKAP6 |
| ABCA8 | ACCN4 | ANK2 |
| ABCC9 | ACTL6B | APBB1 |
| ABCG2 | ACTN2 | ATP1B2 |
| ACADL | ADAM22 | BAI3 |
| ACSM5 | ADCY2 | C6ORF174 |
| ACSS3 | AHCYL1 | CD99L2 |
| ADAMTS9 | AK5 | CRB1 |
| ADHFE1 | AKT3 | CYP46A1 |
| ADRA1B | ANKRD40 | DAAM2 |
| AGT | APC | DCLK2 |
| AJAP1 | APC2 | DGKI |
| AKAP12 | APH1B | DLG2 |
| AKTIP | ARHGEF7 | DOCK4 |
| AMIGO1 | ARHGEF9 | EDNRB |
| AMOTL2 | ARMCX1 | GABRG1 |
| ANGPT4 | ARPP21 | GALNTL2 |
| ANO3 | ASB3 | GNG7 |
| APBB2 | ATCAY | GPM6A |
| APOLD1 | ATP6V1G2 | GPR17 |
| AQP1 | ATRNL1 | JAM3 |
| AQP4 | B3GALT2 | MAGEH1 |
| ARHGAP24 | BAALC | MAGI2 |
| ARHGAP29 | BBS2 | MRO |
| ARHGAP42 | BCAN | NAP1L3 |
| ARHGAP6 | BEST1 | NAP1L5 |
| ARHGEF12 | BSN | NTRK3 |
| ARHGEF15 | C14ORF135 | OPCML |
| ARHGEF17 | C17ORF102 | PCDH10 |
| ASPA | C10RF183 | PJA2 |
| ASXL3 | C20ORF194 | PNMA2 |
| ATOH8 | C21ORF131 | POU3F3 |
| ATP1A2 | C21ORF62 | POU6F1 |
| ATP2B2 | C2ORF80 | PPAPDC3 |
| B3GNT1 | C2ORF85 | PPFIA2 |
| BBOX1 | C3ORF70 | RUFY3 |
| BCL6B | C5ORF40 | RUSC2 |
| BDH2 | C7ORF41 | SCN3B |
| BEND5 | C8ORF46 | SLC35F1 |
| BEX5 | C9ORF25 | SLCO1C1 |
| BHMT2 | CACNB4 | SYNE1 |
| C10ORF32 | CACNG2 | THRA |
| C10ORF72 | CACNG3 | TRIM23 |
| C13ORF15 | CACNG7 | TUB |
| C16ORF45 | CAMK2A | VAMP2 |
| C16ORF5 | CCDC88A | ZEB1 |
| C17ORF108 | CDH10 | ZHX3 |
| C18ORF34 | CEP68 | |

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| C1ORF229 | CHD5 | |
| C20ORF160 | CHRN2 | |
| C21ORF34 | CLASP2 | |
| C2ORF40 | CLCN6 | |
| C3ORF18 | CLIP3 | |
| C4ORF12 | CLVS2 | |
| C4ORF38 | CMTM5 | |
| C4ORF49 | CNRIP1 | |
| C5ORF4 | CNTN2 | |
| C5ORF53 | COL20A1 | |
| C6ORF225 | CORO2B | |
| C8ORF42 | CXORF1 | |
| C8ORF79 | CYP2U1 | |
| CA4 | DCLK1 | |
| CABP1 | DCTN4 | |
| CALCOCO1 | DDX25 | |
| CALCRL | DENND5A | |
| CAMK1 | DIRAS1 | |
| CAMK2N1 | DKFZP434H168 | |
| CASKIN2 | DLG4 | |
| CASP12 | DNAJC18 | |
| CBLN4 | DNAJC6 | |
| CBX7 | DPYSL2 | |
| CCDC46 | DPYSL5 | |
| CCDC85A | DYNC2H1 | |
| CCDC92 | ELAVL3 | |
| CD81 | ELAVL4 | |
| CDC14B | ELMOD1 | |
| CDH2 | EPM2A | |
| CDH4 | FABP7 | |
| CDH5 | FAM123A | |
| CDH6 | FAM168A | |
| CETP | FAM196B | |
| CFL2 | FAM70A | |
| CGNL1 | FBXW11 | |
| CLCN4 | FEZF2 | |
| CLDN5 | FLJ37543 | |
| CLEC14A | FLJ43390 | |
| CLEC1A | FMN2 | |
| CLEC3B | FYN | |
| CLN5 | GAB1 | |
| CLU | GABBR1 | |
| CNDP2 | GABRA1 | |
| CNN3 | GAD2 | |
| COL4A3 | GDAP1L1 | |
| COX7A1 | GFAP | |
| CPE | GNG2 | |
| CPEB4 | GPR123 | |
| CREBL2 | GPR34 | |
| CRMP1 | GPR45 | |
| CRY2 | GRIA1 | |
| CRYAB | GRIA3 | |
| CSRNP3 | GRIA4 | |

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| CTSO | GRID2 | |
| CTTNBP2 | GRIK1 | |
| CX3CL1 | GRM3 | |
| CXORF36 | GSG1L | |
| CYB5D2 | HAPLN2 | |
| CYP4V2 | HEPN1 | |
| CYS1 | HMP19 | |
| CYYR1 | HPCAL4 | |
| DACT3 | HTR5A | |
| DBC1 | IL1RAPL1 | |
| DDAH1 | ILDR2 | |
| DDO | JPH4 | |
| DENND2A | KAT2B | |
| DGKB | KATNAL1 | |
| DIP2C | KCNA2 | |
| DIRAS2 | KCNA6 | |
| DIXDC1 | KCNC1 | |
| DMD | KCNIP1 | |
| DMGDH | KCNIP2 | |
| DNAJB9 | KCNJ10 | |
| DOK6 | KCNJ9 | |
| DPF3 | KCNN2 | |
| DSCAML1 | KCTD2 | |
| ECSCR | KCTD4 | |
| EFHA2 | KCTD7 | |
| EID1 | KIAA1908 | |
| ELTD1 | KIF1B | |
| EMCN | KIF3A | |
| EML1 | LANCL1 | |
| ENPEP | LGI1 | |
| ENPP2 | LHFPL3 | |
| EPAS1 | LOC100128811 | |
| EPB41L5 | LOC148145 | |
| ESAM | LOC150568 | |
| F8 | LOC157627 | |
| FAM107A | LOC283174 | |
| FAM110B | LOC283761 | |
| FAM13C | LOC283856 | |
| FAM149A | LOC285370 | |
| FAT4 | LOC339788 | |
| FBXL17 | LOC401431 | |
| FBXL5 | LOC643763 | |
| FBXO44 | LPPR5 | |
| FERMT2 | LRRTM2 | |
| FGF1 | LRRTM3 | |
| FGF2 | MAP1A | |
| FHL1 | MAP1B | |
| FHL5 | MAPT | |
| FLJ11235 | MBP | |
| FLT1 | MCF2 | |
| FLT4 | MEF2C | |
| FRMD3 | MGC42105 | |
| FXVD1 | MKLN1 | |

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| FXYD6 | MLC1 | |
| FZD4 | MMD2 | |
| GABARAPL1 | MOG | |
| GABARAPL2 | MSTN | |
| GABRB3 | MTMR9 | |
| GALNT9 | MYT1L | |
| GALNTL1 | NCAN | |
| GALR1 | NECAB1 | |
| GATM | NEGR1 | |
| GFRA2 | NEK1 | |
| GGTA1 | NEUROD6 | |
| GJA4 | NLGN1 | |
| GLIS3 | NLGN3 | |
| GNG11 | NRG3 | |
| GPD1 | NRXN1 | |
| GPER | NRXN2 | |
| GPIHBP1 | OLIG1 | |
| GPR116 | OLIG2 | |
| GPR146 | OMG | |
| GPR4 | OPALIN | |
| GPRASP1 | OPHN1 | |
| GPRASP2 | OPRL1 | |
| GPRC5B | P2RY12 | |
| GPX3 | PAFAH1B1 | |
| GRAMD3 | PCDH9 | |
| GRRP1 | PCDHGC3 | |
| HABP4 | PCDHGC4 | |
| HEY2 | PCDHGC5 | |
| HIGD1B | PDE4B | |
| HIPK2 | PDZD4 | |
| HLF | PEX5L | |
| HRC | PIP4K2B | |
| HSD17B14 | PLP1 | |
| HSPA12A | PMP2 | |
| HSPA12B | PNMA1 | |
| HSPB2 | POU3F4 | |
| HSPB8 | PRKACB | |
| HTRA1 | PRRT1 | |
| ID2 | PSD2 | |
| ID3 | PTPRA | |
| ID4 | QKI | |
| IGFBP7 | RAB41 | |
| ISCU | RAB9B | |
| ITGA7 | RANBP3L | |
| ITIH5 | RASSF2 | |
| ITM2B | RFPL1S | |
| JAM2 | RFTN2 | |
| KALRN | RFX4 | |
| KANK3 | RIMS3 | |
| KCNA5 | RIT2 | |
| KCNAB1 | RNF112 | |
| KCNB1 | RPE65 | |
| KCNIP3 | RPH3A | |

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| KCNJ16 | SACS | |
| KCNJ8 | SALL3 | |
| KCNK3 | SCG3 | |
| KCNT2 | SCN3A | |
| KCTD16 | SCRG1 | |
| KDR | SCRT1 | |
| KIAA0427 | SCRT2 | |
| KIAA1462 | SECISBP2L | |
| KIAA1614 | SEMA6A | |
| KIFC3 | ~SEPT7 | |
| KL | SEZ6L | |
| KLF15 | SFMBT2 | |
| KLF9 | SGTB | |
| KLHL4 | SH3GL2 | |
| KNDC1 | SHISA7 | |
| LAMB2 | SLC17A6 | |
| LARP6 | SLC24A4 | |
| LDB2 | SLC35B4 | |
| LGI4 | SLC39A12 | |
| LHFP | SLC4A10 | |
| LIFR | SLC7A14 | |
| LIMCH1 | SLC8A3 | |
| LIMS2 | SLITRK1 | |
| LMBRD1 | SLITRK2 | |
| LMOD1 | SNN | |
| LOC100302640 | SNTG1 | |
| LOC134466 | SORCS3 | |
| LOC145820 | SPAG9 | |
| LOC158376 | SPHKAP | |
| LRCH2 | SPIRE1 | |
| LRP2BP | STMN4 | |
| LYVE1 | STX1B | |
| MAGI1 | SYNJ1 | |
| MAOB | SYNM | |
| MAP2 | SYP | |
| MAP6 | SYT11 | |
| MAPK10 | SYT6 | |
| MAPK8IP1 | TCEAL5 | |
| MAPRE3 | TCF12 | |
| MASP1 | TECTA | |
| METTL7A | TERF2IP | |
| MFRP | TMEM196 | |
| MMRN2 | TMOD2 | |
| MOCS1 | TNR | |
| MOCS2 | TRIM9 | |
| MORN4 | TSPYL4 | |
| MPDZ | TTYH2 | |
| MRAS | UNC80 | |
| MRVI1 | VWC2L | |
| MT3 | WDR17 | |
| MTMR10 | WDR47 | |
| MYCT1 | WDR7 | |
| NAP1L2 | ZCCHC24 | |

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| NBR1 | ZDHHC22 | |
| NCRNA00086 | ZFYVE20 | |
| NCRNA00087 | ZNF804A | |
| NDFIP1 | ZNF843 | |
| NDRG2 | | |
| NFASC | | |
| NFIA | | |
| NKAPL | | |
| NME5 | | |
| NOTCH4 | | |
| NOVA1 | | |
| NOVA2 | | |
| NR2F1 | | |
| NR3C2 | | |
| NRP1 | | |
| OAZ2 | | |
| OTUD7A | | |
| PABPC5 | | |
| PALM | | |
| PAMR1 | | |
| PARK2 | | |
| PCDH12 | | |
| PCDH17 | | |
| PCDHGB7 | | |
| PCYOX1 | | |
| PDE1A | | |
| PDE1C | | |
| PDE2A | | |
| PDE7B | | |
| PDE8B | | |
| PDK4 | | |
| PEAR1 | | |
| PECR | | |
| PEG3 | | |
| PGCP | | |
| PHYHIPL | | |
| PINK1 | | |
| PKIG | | |
| PLA2G16 | | |
| PLA2G4C | | |
| PLAC9 | | |
| PLCL1 | | |
| PLCXD3 | | |
| PLLP | | |
| PLSCR4 | | |
| PPAP2A | | |
| PPAP2B | | |
| PPARGC1A | | |
| PPP1R3C | | |
| PPP2CB | | |
| PREX2 | | |
| PRKD1 | | |
| PROS1 | | |

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| PRRG1 | | |
| PRSS35 | | |
| PTH1R | | |
| PTPN21 | | |
| PTPRB | | |
| PTPRG | | |
| PTPRM | | |
| RAB11FIP3 | | |
| RAI2 | | |
| RAMP2 | | |
| RAMP3 | | |
| RAPGEF2 | | |
| RAPGEF4 | | |
| RASL12 | | |
| RASSF4 | | |
| RCAN2 | | |
| RCBTB2 | | |
| REEP5 | | |
| RERGL | | |
| RGAG4 | | |
| RGL1 | | |
| RGN | | |
| RGS5 | | |
| RGS7BP | | |
| RHOB | | |
| RHOJ | | |
| RNF180 | | |
| ROBO4 | | |
| RPS6KA2 | | |
| RRAGA | | |
| RRAGD | | |
| S1PR1 | | |
| SALL1 | | |
| SAMD4A | | |
| SASH1 | | |
| SAT2 | | |
| SCN1B | | |
| SCN4B | | |
| SDC2 | | |
| SDPR | | |
| SEC14L1 | | |
| SEMA3G | | |
| SEMA5B | | |
| ~SEPT4 | | |
| SERINC1 | | |
| SERP2 | | |
| SGCB | | |
| SGSM1 | | |
| SHC2 | | |
| SHE | | |
| SIAE | | |
| SLC12A4 | | |
| SLC16A12 | | |

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| SLC16A2 | | |
| SLC1A1 | | |
| SLC22A17 | | |
| SLC25A23 | | |
| SLC25A4 | | |
| SLC45A1 | | |
| SLC47A1 | | |
| SLC4A4 | | |
| SLC6A1 | | |
| SLC6A12 | | |
| SLC6A13 | | |
| SLCO2A1 | | |
| SMAD9 | | |
| SMARCA1 | | |
| SNAP25 | | |
| SNRPN | | |
| SNTA1 | | |
| SOBP | | |
| SORBS1 | | |
| SORBS2 | | |
| SPARCL1 | | |
| SPATA4 | | |
| SPTBN4 | | |
| SRRM4 | | |
| ST6GALNAC3 | | |
| ST6GALNAC6 | | |
| STARD8 | | |
| STX12 | | |
| SYNPO | | |
| SYPL2 | | |
| TCEAL7 | | |
| TEF | | |
| TEK | | |
| TENC1 | | |
| THSD7A | | |
| TIE1 | | |
| TIMP3 | | |
| TK2 | | |
| TLN2 | | |
| TM4SF18 | | |
| TMCC3 | | |
| TMEM100 | | |
| TMEM130 | | |
| TMEM132E | | |
| TMEM133 | | |
| TMEM136 | | |
| TMEM169 | | |
| TMEM178 | | |
| TMEM204 | | |
| TMEM232 | | |
| TMEM233 | | |
| TMEM47 | | |
| TMEM66 | | |

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| TMEM88 | | |
| TNFSF12 | | |
| TNS1 | | |
| TRIM55 | | |
| TRPC1 | | |
| TRPC4 | | |
| TRPM3 | | |
| TSPAN12 | | |
| TSPAN18 | | |
| TSPAN7 | | |
| TXNDC15 | | |
| UBE2QL1 | | |
| UFSP2 | | |
| USHBP1 | | |
| USP2 | | |
| VWF | | |
| WASF3 | | |
| WLS | | |
| WNT9B | | |
| WSCD1 | | |
| ZBTB16 | | |
| ZDHHC15 | | |
| ZNF366 | | |
| ZNF483 | | |
| ZNF821 | | |
| ZNF835 | | |