# DisGeNET Top pathways by non−permulation

| Geneset | stat | num.genes | pval | p.adj | gene.vals |
|---|---|---|---|---|---|
| Autism Spectrum Disorders | −0.07395350 | 483 | 3.320e−08 | 1.629e−04 | LRRN3:7 TSHZ3:8 HERC2:13 CNTN4:26 RYR2:32 CARMIL1:55 |
| Schizophrenia | −0.04257165 | 1625 | 2.731e−08 | 1.629e−04 | NOS1AP:2 TRPM1:3 HERC2:13 NDST3:22 CNTN4:26 ADCY1:43 |
| Channelopathies | −0.21401913 | 48 | 2.949e−07 | 9.643e−04 | ANK2:15 RYR2:32 SCN9A:44 CNGB3:105 CACNA1S:355 HCN1:381 |
| Autistic Disorder | −0.05612765 | 615 | 2.535e−06 | 5.618e−03 | ATF6:4 CNTN3:12 CNTN4:26 RYR2:32 ZNF277:35 CHL1:76 |
| HIV Infections | −0.05482550 | 639 | 2.863e−06 | 5.618e−03 | VIPR1:24 CYLD:45 CXCR5:46 APOA1:73 IL16:113 SAMHD1:114 |
| Andersen Syndrome | −0.28378140 | 22 | 4.089e−06 | 6.687e−03 | ANK2:15 RYR2:32 MTHFR:123 KCNJ12:139 SCN5A:698 PON1:810 |
| Alzheimer's Disease | −0.03247652 | 1666 | 1.825e−05 | 2.558e−02 | IREB2:29 RYR2:32 SYNJ1:34 F13B:39 CSF1:51 RNF112:59 |
| nervous system disorder | −0.06119901 | 382 | 4.473e−05 | 5.486e−02 | MTHFR:123 SETX:194 GLUL:266 DRD2:296 SLC2A1:308 SHANK2:364 |
| CATARACT, AUTOSOMAL DOMINANT | −0.36549345 | 10 | 6.279e−05 | 6.845e−02 | GJA8:142 MIP:344 CRYAA2:346 BFSP2:412 CRYAA:480 CRYBB1:865 |
| Seizures, Focal | −0.10086998 | 123 | 1.150e−04 | 8.056e−02 | SCN9A:44 KCNQ3:168 DRD2:296 SLC2A1:308 HCN1:381 CHRNA3:387 |
| Complex partial seizures | −0.10682440 | 110 | 1.114e−04 | 8.056e−02 | VPS11:270 DRD2:296 SLC2A1:308 HCN1:381 CHRNA3:387 GABRA5:416 |
| Generalized seizures | −0.10370761 | 120 | 8.968e−05 | 8.056e−02 | SYNJ1:34 DRD2:296 SLC2A1:308 HCN1:381 CHRNA3:387 GABRA5:416 |
| Myocardial Ischemia | −0.05866438 | 376 | 1.033e−04 | 8.056e−02 | ANK2:15 RYR2:32 APOA1:73 ACE2:87 SELP:93 MTHFR:123 |
| Sinus Node Dysfunction (disorder) | −0.27046641 | 17 | 1.132e−04 | 8.056e−02 | ANK2:15 SCN3B:279 HCN4:375 SCN5A:698 TGFB1:704 CACNA1D:778 |
| Cataract, Central Saccular, With Sutural | −0.44370818 | 6 | 1.672e−04 | 1.035e−01 | GJA8:142 MIP:344 BFSP2:412 CRYBA1:692 CRYGS:1349 CRYBB2:2266 |
| Absence Seizures | −0.10105926 | 115 | 1.860e−04 | 1.035e−01 | SCN9A:44 DRD2:296 SLC2A1:308 EHMT1:376 HCN1:381 CHRNA3:387 |
| Nicotine Dependence | −0.10345162 | 110 | 1.823e−04 | 1.035e−01 | CHRM2:144 CYP2E1:254 DRD2:296 RPTOR:337 CHRNA3:387 DRD5:418 |
| Torsades de Pointes | −0.26951156 | 16 | 1.900e−04 | 1.035e−01 | ANK2:15 SCN5A:698 KCNQ1:892 ADRB1:909 KCNH2:958 KCNA4:966 |
| Neuralgia | −0.11767184 | 83 | 2.143e−04 | 1.106e−01 | SCN9A:44 CXCR5:46 GRM2:63 TAC1:132 DRD2:296 HCN1:381 |
| Asthma | −0.03345590 | 1061 | 2.987e−04 | 1.127e−01 | ATF6:4 HERC2:13 SYNPO2:28 RYR2:32 SFSWAP:58 CSMD1:62 |
| Atrial Fibrillation | −0.06748397 | 244 | 2.983e−04 | 1.127e−01 | ANK2:15 RYR2:32 LYST:64 ACE2:87 MTHFR:123 TAC1:132 |
| Hypocalcemia | 0.15649098 | 45 | 2.834e−04 | 1.127e−01 | RREB1:68 CLDN16:100 VDR:318 GCM2:403 IFT122:424 SLC4A1:490 |
| Psychotic Disorders | −0.06414030 | 276 | 2.608e−04 | 1.127e−01 | GRM2:63 MTHFR:123 LMOD2:154 BCL9:226 KIDINS220:248 GLUL:266 |
| Renal salt wasting | 0.26297700 | 16 | 2.710e−04 | 1.127e−01 | CYP11A1:170 CLCNKB:282 STAR:288 CLCNKA:301 SCNN1A:737 CYP21A2:855 |
| Severe myopia | −0.11068269 | 91 | 2.679e−04 | 1.127e−01 | TRPM1:3 ATF6:4 CNGB3:105 GRM6:148 IGFBP3:234 PDE6B:258 |
| Tonic Seizures | −0.10655463 | 98 | 2.726e−04 | 1.127e−01 | DRD2:296 SLC2A1:308 HCN1:381 CHRNA3:387 GABRA5:416 CHRM1:420 |
| Mammary Neoplasms | −0.02516443 | 2000 | 3.389e−04 | 1.146e−01 | CNTN3:12 HERC2:13 VIPR1:24 KDM5B:27 CXCR5:46 CSF1:51 |
| Nuclear cataract | −0.18389498 | 32 | 3.195e−04 | 1.146e−01 | HSF4:19 GJA8:142 MIP:344 FTO:457 KCNAB1:469 CRYAA:480 |
| Tetany | 0.22631056 | 21 | 3.313e−04 | 1.146e−01 | RREB1:68 CLDN16:100 GCM2:403 JMJD1C:910 TRPM6:979 SLC12A1:1014 |
| Alcoholic Intoxication, Chronic | −0.05312486 | 376 | 4.381e−04 | 1.249e−01 | CNTN4:26 ADCY1:43 GRM2:63 DSCAML1:98 MTHFR:123 TAC1:132 |
| Diabetes Mellitus, Non−Insulin−Dependent | −0.02903266 | 1350 | 4.713e−04 | 1.249e−01 | NOS1AP:2 TRPM1:3 ATF6:4 ARHGEF12:11 ANK2:15 VIPR1:24 |
| Epilepsy, Cryptogenic | −0.12779625 | 61 | 5.621e−04 | 1.249e−01 | CHRM2:144 HCN1:381 CHRM1:420 SCN1A:450 SLC12A5:519 GABRB3:630 |
| Epilepsy, Temporal Lobe | −0.07614966 | 164 | 7.893e−04 | 1.249e−01 | GRM2:63 KCNQ3:168 ACOT7:240 BIN1:256 GLUL:266 SLC2A1:308 |
| Seizures, Auditory | −0.09989773 | 95 | 7.784e−04 | 1.249e−01 | DRD2:296 SLC2A1:308 HCN1:381 CHRNA3:387 GABRA5:416 CHRM1:420 |
| Seizures, Clonic | −0.09989773 | 95 | 7.784e−04 | 1.249e−01 | DRD2:296 SLC2A1:308 HCN1:381 CHRNA3:387 GABRA5:416 CHRM1:420 |
| Seizures, Sensory | −0.09989773 | 95 | 7.784e−04 | 1.249e−01 | DRD2:296 SLC2A1:308 HCN1:381 CHRNA3:387 GABRA5:416 CHRM1:420 |
| Seizures, Somatosensory | −0.09989773 | 95 | 7.784e−04 | 1.249e−01 | DRD2:296 SLC2A1:308 HCN1:381 CHRNA3:387 GABRA5:416 CHRM1:420 |
| Ventricular tachycardia, polymorphic | −0.34365553 | 8 | 7.628e−04 | 1.249e−01 | RYR2:32 HCN4:375 SCN5A:698 KCNQ1:892 KCNH2:958 CASQ2:1815 |
| Atonic Absence Seizures | −0.09989773 | 95 | 7.784e−04 | 1.249e−01 | DRD2:296 SLC2A1:308 HCN1:381 CHRNA3:387 GABRA5:416 CHRM1:420 |
| Aura | −0.13113566 | 59 | 4.992e−04 | 1.249e−01 | CHRM2:144 HCN1:381 CHRM1:420 SCN1A:450 SLC12A5:519 GABRB3:630 |