DisGeNET Top pathways by non−permulation

Geneset	stat	num.genes	pval	p.adj	gene.vals
Schizophrenia	−0.05244536	1583	1.399e−11	1.373e−07	NAV1:1 MMP16:4 NDST3:14 HERC2:21 CSMD1:22 NOS1AP:27
Autism Spectrum Disorders	−0.08242037	470	1.257e−09	6.166e−06	MMP16:4 HERC2:21 CSMD1:22 RYR2:36 LRRN3:37 EHMT1:39
Autistic Disorder	−0.06926890	599	9.983e−09	3.265e−05	ATF6:26 DOCK4:34 RYR2:36 EHMT1:39 CNTN3:41 CHL1:47
Channelopathies	−0.19901842	47	2.389e−06	5.858e−03	SCN9A:6 RYR2:36 ANK2:38 CACNA1S:98 CNGB3:149 FST:166
Bipolar Disorder	−0.05055274	704	6.350e−06	1.246e−02	DPY19L3:11 NDST3:14 CSMD1:22 NOS1AP:27 CHL1:47 SORL1:53
Mood Disorders	−0.07422123	300	1.084e−05	1.773e−02	CHL1:47 ADCY1:59 VIPR2:74 GRM2:100 HTR1B:108 TAC1:152
Mental disorders	−0.07565244	280	1.451e−05	2.034e−02	CSMD1:22 NOS1AP:27 MYT1:99 HTR1B:108 PLPPR4:127 SHANK3:190
Epilepsy, Temporal Lobe	−0.09672101	160	2.544e−05	3.013e−02	KCNQ3:77 GRM2:100 PAG1:130 GABRB3:155 SLC2A1:227 SCN2A:243
Alzheimer's Disease	−0.03223834	1617	2.765e−05	3.013e−02	BLMH:17 CSMD1:22 RYR2:36 EHMT1:39 F13B:42 CHL1:47
Diabetes Mellitus, Non−Insulin−Dependent	−0.03425758	1325	4.394e−05	4.310e−02	ATF6:26 NOS1AP:27 RYR2:36 ANK2:38 EHMT1:39 TRPM1:44
nervous system disorder	−0.06174956	370	5.047e−05	4.501e−02	EHMT1:39 SETX:147 SHANK2:208 SLC2A1:227 GRIK1:265 PON1:312
Attention deficit hyperactivity disorder	−0.06253715	345	7.245e−05	5.467e−02	HERC2:21 CSMD1:22 ELFN1:56 MYT1:99 SORCS2:104 HTR1B:108
Generalized seizures	−0.10527755	120	7.016e−05	5.467e−02	HTR1B:108 GABRB3:155 SYNJ1:180 SLC2A1:227 CHRM1:239 GRIK1:265
Abnormal behavior	−0.06378085	326	8.249e−05	5.780e−02	CSMD1:22 NOS1AP:27 GRM2:100 HTR1B:108 PLPPR4:127 TAC1:152
Alcoholic Intoxication, Chronic	−0.05897326	370	1.083e−04	7.083e−02	ADCY1:59 CNTN4:65 GRM2:100 HTR1B:108 TAC1:152 GABRB3:155
Psychotic Disorders	−0.06858147	268	1.194e−04	7.318e−02	LMOD2:57 GRM2:100 HTR1B:108 DDC:213 GABRG3:220 KIDINS220:223
Andersen Syndrome	−0.23449739	22	1.409e−04	8.129e−02	RYR2:36 ANK2:38 KCNJ12:192 PON1:312 KCNJ5:511 MTHFR:545
Seizures, Focal	−0.09620672	123	2.352e−04	8.868e−02	SCN9A:6 KCNQ3:77 HTR1B:108 SLC2A1:227 CHRM1:239 SCN2A:243
Aura	−0.14222978	56	2.345e−04	8.868e−02	GABRB3:155 CHRM1:239 SCN2A:243 HCN1:380 SLC12A5:550 TSC1:596
Awakening Epilepsy	−0.14222978	56	2.345e−04	8.868e−02	GABRB3:155 CHRM1:239 SCN2A:243 HCN1:380 SLC12A5:550 TSC1:596
HIV Infections	−0.04371468	618	2.418e−04	8.868e−02	VIPR1:90 IL16:116 CYLD:123 TMEM132D:128 GEM:141 TAC1:152
Mental Depression	−0.04917103	498	1.953e−04	8.868e−02	NOS1AP:27 CHL1:47 ADCY1:59 VIPR2:74 HTR1B:108 TAC1:152
Neuralgia	−0.11662751	83	2.441e−04	8.868e−02	SCN9A:6 GRM2:100 TRPM8:148 TAC1:152 TACR1:370 HCN1:380
Obesity	−0.02849775	1617	2.109e−04	8.868e−02	HERC2:21 ATF6:26 EHMT1:39 SORL1:53 CNTN4:65 LGR6:67
Paroxysmal involuntary eye movements	−0.44300408	6	1.713e−04	8.868e−02	CNGB3:149 SLC2A1:227 ELOVL4:462 PRPH2:575 ABCA4:1380 PROM1:2358
Primary microcephaly	0.10558807	103	2.184e−04	8.868e−02	SLX4:18 TRMT10A:51 ERCC5:62 CENPE:117 FANCM:175 CEP135:205
Retinal pigment epithelial mottling	−0.37455755	8	2.439e−04	8.868e−02	CNGB3:149 ELOVL4:462 PRPH2:575 ERCC8:1364 ABCA4:1380 CACNA2D4:1541
Epilepsy, Cryptogenic	−0.13997543	57	2.598e−04	9.103e−02	GABRB3:155 CHRM1:239 SCN2A:243 HCN1:380 SLC12A5:550 TSC1:596
Cone dystrophy	−0.15988952	43	2.883e−04	9.543e−02	CNGB3:149 CDHR1:186 SEMA4A:323 GNAT2:364 KCNV2:418 RIMS1:483
Nuclear cataract	−0.18510046	32	2.918e−04	9.543e−02	HSF4:70 KCNAB1:326 TGM2:582 GJA8:649 FTO:687 WFS1:792
Anxiety and fear	−0.27893579	14	3.024e−04	9.568e−02	TMEM132D:128 TAC1:152 CRH:516 HTR1A:561 NPS:1193 ADCYAP1R1:1512
Complex partial seizures	−0.09949689	109	3.401e−04	1.030e−01	HTR1B:108 SLC2A1:227 CHRM1:239 GRIK1:265 HCN1:380 DRD2:436
Increased CSF lactate	0.14207952	53	3.497e−04	1.030e−01	LRPPRC:46 TIMMDC1:488 NDUFA9:619 TMEM126B:657 NDUFAF1:955 NDUFAF6:1024
Tonic Seizures	−0.10451172	98	3.571e−04	1.030e−01	HTR1B:108 SLC2A1:227 CHRM1:239 SCN2A:243 GRIK1:265 HCN1:380
Benign tumor of pancreas	0.28487002	13	3.765e−04	1.055e−01	RBBP8:400 RNF43:447 APC:584 BRCA1:832 BRCA2:1060 MAP2K4:1369
Mitochondrial Diseases	0.05578697	345	4.004e−04	1.091e−01	ECSIT:44 LRPPRC:46 GFM2:90 COA1:107 POLG2:143 MTPAP:148
Congenital cataract	−0.10749533	90	4.318e−04	1.145e−01	ATF6:26 HSF4:70 BFSP2:174 RAB3GAP2:244 GJA8:649 AGK:650
Huntington Disease	−0.04535735	518	4.626e−04	1.164e−01	ATF6:26 F13B:42 SORL1:53 GRM2:100 PAG1:130 TAC1:152
Hypertensive disease	−0.03211733	1088	4.525e−04	1.164e−01	CSMD1:22 MOV10:29 RYR2:36 SLC22A6:48 SORL1:53 CNTN4:65
Hyperinsulinism	−0.05616563	329	4.968e−04	1.218e−01	HERC2:21 EHMT1:39 COL3A1:114 OFD1:118 ARHGEF12:150 PTK2B:162