DisGeNET Top pathways by non−permulation

Geneset	stat	num.genes	pval	p.adj	gene.vals
5,10−Methylenetetrahydrofolate reductase	0.047511132	18	4.853e−01	9.926e−01	ABCB1:786 SLCO1B1:885 GPX3:7111 SERPINE1:7111 XRCC4:7111 MTHFR:7111
Abnormalities, Drug−Induced	−0.082843527	4	5.661e−01	9.926e−01	EPHX1:284 WNT11:8672 CAT:8672 CRBN:8672 NA NA
Abortion, Habitual	0.050079428	4	7.287e−01	9.926e−01	MTHFR:7111 F2:7111 F5:7111 VEGFA:7111 NA NA
Abortion, Tubal	0.007246173	91	8.114e−01	9.926e−01	IL12B:195 IGF1:518 EMP1:658 PTHLH:694 LIF:707 TGFBR1:876
Achondrogenesis, type IB (disorder)	0.138319168	5	2.841e−01	9.926e−01	SLC26A3:147 SLC26A2:7111 SLC26A5:7111 SLC26A4:7111 DCN:7111 NA
Acidosis, Lactic	0.035060651	148	1.419e−01	9.926e−01	TMEM126B:22 TFAM:41 NDUFB3:49 TMEM70:86 LRPPRC:133 NDUFA12:142
ACROMESOMELIC DYSPLASIA, MAROTEAUX TYPE	0.154229547	4	2.854e−01	9.926e−01	IGF1:518 NPPC:7111 NPR2:7111 GDF5:7111 NA NA
ACTH Syndrome, Ectopic	−0.040551275	5	7.535e−01	9.926e−01	AVPR1B:1497 CRH:8672 NR3C1:8672 PAK3:8672 GHSR:8672 NA
Acute myeloid leukemia, minimal differen	0.044869416	18	5.099e−01	9.926e−01	ELL:251 ABCB1:786 NCR1:1030 RUNX1:7111 FAS:7111 FANCB:7111
Adenocarcinoma of lung, stage I	−0.063582450	17	3.641e−01	9.926e−01	EIF4EBP1:379 MME:954 EGFR:1285 SLC2A1:1547 VEGFA:8672 MET:8672
Adenocarcinoma, Basal Cell	0.026198175	100	3.661e−01	9.926e−01	ERBB2:162 CASP8:277 KDR:296 DNMT1:461 TNF:610 APOA1:700
Adenocarcinoma, Clear Cell	0.014378527	91	6.359e−01	9.926e−01	TFAM:41 ATF1:59 NEU3:158 ERBB2:162 KNG1:184 ALDH1A1:383
Adenocarcinoma, Endometrioid	0.019834565	53	6.177e−01	9.926e−01	ERBB2:162 ALDH1A1:383 PROM1:645 BAX:1134 LHCGR:7111 FGF9:7111
Adenocarcinoma, metastatic	0.120098818	12	1.497e−01	9.926e−01	ERBB2:162 HSPA5:624 EGF:706 MYC:7111 KRAS:7111 ESR2:7111
Adenocarcinoma, Oxyphilic	0.026678251	102	3.526e−01	9.926e−01	ERBB2:162 CASP8:277 KDR:296 DNMT1:461 TNF:610 APOA1:700
Adenocarcinoma, Scirrhous	−0.036388911	5	7.781e−01	9.926e−01	FGFR2:1833 MMP15:8672 MET:8672 MMP14:8672 FUT1:8672 NA
Adenocarcinoma, Tubular	0.027364652	105	3.334e−01	9.926e−01	ERBB2:162 CASP8:277 KDR:296 DNMT1:461 TNF:610 APOA1:700
Adenoma, Basal Cell	−0.034666042	27	5.331e−01	9.926e−01	TXNRD1:1193 ALOX5:1202 CACNA1D:1265 SLC19A1:1428 KCNJ5:2039 ATP1A1:2059
Adenoma, Microcystic	−0.021418763	32	6.751e−01	9.926e−01	TXNRD1:1193 ALOX5:1202 CACNA1D:1265 SLC19A1:1428 KCNJ5:2039 ATP1A1:2059
Adenoma, Monomorphic	−0.034666042	27	5.331e−01	9.926e−01	TXNRD1:1193 ALOX5:1202 CACNA1D:1265 SLC19A1:1428 KCNJ5:2039 ATP1A1:2059
Adenoma, Trabecular	−0.031638662	28	5.624e−01	9.926e−01	TXNRD1:1193 ALOX5:1202 CACNA1D:1265 SLC19A1:1428 KCNJ5:2039 ATP1A1:2059
Adenoma, Villous	−0.065070650	13	4.166e−01	9.926e−01	MGMT:269 PMS2:526 MLH1:1594 TP53:8672 KRAS:8672 BRAF:8672
Adrenal hyperplasia, bilateral	0.050022503	3	7.641e−01	9.926e−01	PRKAR1A:477 REN:7111 KCNJ5:13744 NA NA NA
Adrenoleukodystrophy, Neonatal	0.021519994	15	7.729e−01	9.926e−01	PEX6:369 PEX13:378 PIPOX:884 PEX19:7111 PEX1:7111 PEX3:7111
Affective Disorders, Psychotic	−0.021763896	12	7.941e−01	9.926e−01	BDNF:1856 SLC6A4:1860 MTHFR:8672 IL1RN:8672 HP:8672 CACNA1C:8672
Agammaglobulinemia, non−Bruton type	0.050091364	7	6.463e−01	9.926e−01	CD79B:7111 CD79A:7111 PIK3R1:7111 LRRC8A:7111 BTK:7111 BLNK:7111
Aganglionosis, Colonic	−0.063683164	19	3.366e−01	9.926e−01	ECE1:1306 CAVIN2:1647 PAX3:1715 F2R:2011 FH:2502 TP53:8672
Aganglionosis, Rectosigmoid Colon	−0.063652074	8	5.330e−01	9.926e−01	ECE1:1306 CAVIN2:1647 RET:8672 EDN3:8672 UTP25:8672 NRG1:8672
Aggressive periodontitis, generalized	−0.044591270	26	4.314e−01	9.926e−01	CCR5:433 MMP9:795 MMP8:948 NOD2:986 MMP12:1291 IL1B:2023
Albinism, Ocular	−0.095936567	26	9.050e−02	9.926e−01	DTNBP1:51 LYST:250 GPR143:287 PMPCA:899 TYRP1:1028 XG:1603
Albinism, Oculocutaneous	−0.037956731	28	4.871e−01	9.926e−01	SLC24A4:181 LYST:250 MGMT:269 TYRP1:1028 SLC45A2:2212 MITF:2635
ALBINOIDISM, OCULOCUTANEOUS, AUTOSOMAL D	−0.038814544	25	5.018e−01	9.926e−01	MLPH:21 TYRP1:1028 DBH:1747 SLC45A2:2212 GLI3:2606 MITF:2635
Alcoholic Intoxication, Chronic	−0.018558308	370	2.231e−01	9.926e−01	DTNBP1:51 GRM3:86 SLC18A2:169 HTR1B:195 EPHX1:284 TAC1:291
Alkalosis, Respiratory	0.050083406	5	6.981e−01	9.926e−01	CA5A:7111 ASS1:7111 CPS1:7111 ASL:7111 OTC:7111 NA
Alopecia, Male Pattern	0.075141997	26	1.849e−01	9.926e−01	IGF1:518 LEP:564 BRD4:777 SUPV3L1:949 SRD5A2:7111 WNT4:7111
alpha−1−Antitrypsin Deficiency, Autosoma	0.065658680	19	3.219e−01	9.926e−01	TNF:610 MSC:976 CAT:7111 ACE:7111 CHRNA3:7111 NFE2L2:7111
ALPHA−THALASSEMIA/MENTAL RETARDATION SYN	0.023617626	16	7.436e−01	9.926e−01	DAXX:1 PML:7111 TP53:7111 ALK:7111 CDX2:7111 SMARCA1:7111
Alport Syndrome, Autosomal Recessive	0.050083406	5	6.981e−01	9.926e−01	MPV17:7111 COL4A3:7111 COL4A5:7111 COL4A4:7111 MYH9:7111 NA
Alport Syndrome, X−Linked	0.050099325	9	6.028e−01	9.926e−01	MTHFR:7111 APOE:7111 COL4A6:7111 REN:7111 COL4A3:7111 COL4A5:7111
Alzheimer's Disease, Focal Onset	−0.017034943	73	6.152e−01	9.926e−01	SORL1:173 SLC2A4:485 PCDH11X:613 PAXIP1:791 DHCR24:845 CHRNB2:879