

DisGeNET Top pathways by non-permutation

Geneset	stat	num.genes	pval	p.adj	gene.vals
Increased CSF lactate	0.158782803	53	6.443e-05	6.321e-01	LRPPRC:9 TMEM126B:49 COX20:117 TIMMDC1:134 SCO1:146 TRMT10C:379
46, XX Testicular Disorders of Sex Devel	-0.119156347	7	2.749e-01	9.862e-01	SOX9:346 SOX3:574 NR5A1:8402 RSPO1:8402 FOXL2:8402 NR0B1:8402
46, XY Disorders of Sex Development	-0.083947749	15	2.603e-01	9.862e-01	SOX9:346 WT1:520 CYB5A:866 TLX1:879 ZFPM2:1744 CYP11A1:1792
46, XY female	-0.019573910	16	7.864e-01	9.862e-01	SOX9:346 DMRT1:571 STAR:1399 UBL4A:2748 NR0B1:8402 HSD17B3:8402
46,XY partial gonadal dysgenesis	-0.118475652	10	1.945e-01	9.862e-01	SOX9:346 WT1:520 ZFPM2:1744 NR5A1:8402 NR0B1:8402 MAP3K1:8402
5,10-Methylenetetrahydrofolate reductase	0.034439797	18	6.130e-01	9.862e-01	AKAP9:96 XRCC4:1520 MTHFR:2057 CASP9:2072 GPX3:7775 SERPINE1:7775
Abortion, Habitual	-0.016907839	4	9.068e-01	9.862e-01	VEGFA:196 F2:8402 F5:8402 MTHFR:14120 NA NA
Abortion, Tubal	0.044630694	93	1.374e-01	9.862e-01	SPAG5:67 ECM2:147 ARNT:244 IL9:252 FN1:860 CD84:879
Achondrogenesis, type IB (disorder)	0.186325646	5	1.490e-01	9.862e-01	DCN:823 SLC26A2:1436 SLC26A3:7775 SLC26A5:7775 SLC26A4:7775 NA
Acidosis, Lactic	0.047703268	151	4.352e-02	9.862e-01	LRPPRC:9 TMEM126B:49 POLG:66 COX20:117 TIMMDC1:134 SCO1:146
ACROMESOMELIC DYSPLASIA, MAROTEAUX TYPE	0.021937631	4	8.792e-01	9.862e-01	IGF1:7775 NPPC:7775 NPR2:7775 GDF5:7775 NA NA
ACTH Syndrome, Ectopic	-0.132587835	5	3.045e-01	9.862e-01	GHSR:1879 AVPR1B:2437 CRH:8402 NR3C1:8402 PAK3:8402 NA
Acute Myeloid Leukemia, M1	0.012438814	105	6.601e-01	9.862e-01	CSF1R:114 ASXL2:200 NF1:255 KMT2A:307 KIT:614 MN1:694
Acute myeloid leukemia, minimal differen	0.058537749	19	3.771e-01	9.862e-01	KMT2A:307 FLT3:744 NCR1:869 DNMT3A:918 ZMYND11:1909 RUNX1:7775
Adenocarcinoma of lung, stage I	0.015389780	18	8.212e-01	9.862e-01	ADAM12:831 ACTN4:996 MET:7775 HOXA9:7775 MYC:7775 EIF4EBP1:7775
Adenocarcinoma of lung, stage IV	0.026144550	18	7.010e-01	9.862e-01	ERBB2:604 BRAF:858 MET:7775 TP53:7775 KRAS:7775 RET:7775
Adenocarcinoma, Basal Cell	-0.012082927	103	6.722e-01	9.862e-01	NR1I2:142 VEGFA:196 HRH4:199 CA2:220 DAPK1:363 CDKN1C:707
Adenocarcinoma, Clear Cell	0.003775512	95	8.989e-01	9.862e-01	ATF1:239 HAGH:266 BRCA2:365 ERBB2:604 NEU3:683 TFAM:748
Adenocarcinoma, Endometrioid	0.014647367	54	7.098e-01	9.862e-01	ABCC1:410 NDC80:483 CCL22:581 ERBB2:604 BRAF:858 SHBG:882
Adenocarcinoma, intestinal type	0.013162989	12	8.746e-01	9.862e-01	BRAF:858 CDX2:1499 TP53:7775 KRAS:7775 EGFR:7775 CDKN2A:7775
Adenocarcinoma, metastatic	0.048615950	12	5.598e-01	9.862e-01	ERBB2:604 HSPA5:1913 MYC:7775 KRAS:7775 EGF:7775 ESR2:7775
Adenocarcinoma, Oxyphilic	-0.010736755	105	7.043e-01	9.862e-01	NR1I2:142 VEGFA:196 HRH4:199 CA2:220 DAPK1:363 CDKN1C:707
Adenocarcinoma, Scirrhou	0.082933467	6	4.817e-01	9.862e-01	FGFR2:1475 MMP15:1586 MET:7775 MMP14:7775 FUT1:7775 TIMP3:14366
Adenocarcinoma, Tubular	-0.009513873	108	7.331e-01	9.862e-01	NR1I2:142 VEGFA:196 HRH4:199 CA2:220 DAPK1:363 CDKN1C:707
Adenoma, Basal Cell	-0.035625897	27	5.218e-01	9.862e-01	TXNRD1:1037 KCNJ5:1560 VHL:2140 ALOX5:2310 ATP1A1:2401 IGF1:8402
Adenoma, Microcystic	-0.023779433	34	6.315e-01	9.862e-01	TXNRD1:1037 KCNJ5:1560 VHL:2140 ALOX5:2310 ATP1A1:2401 IGF1:8402
Adenoma, Monomorphic	-0.035625897	27	5.218e-01	9.862e-01	TXNRD1:1037 KCNJ5:1560 VHL:2140 ALOX5:2310 ATP1A1:2401 IGF1:8402
Adenoma, Trabecular	-0.033571262	28	5.388e-01	9.862e-01	TXNRD1:1037 KCNJ5:1560 VHL:2140 ALOX5:2310 ATP1A1:2401 IGF1:8402
Adenoma, Villous	0.079858614	14	3.009e-01	9.862e-01	BRAF:858 MLH1:1591 TP53:7775 KRAS:7775 APC:7775 TP63:7775
Adrenal hyperplasia, bilateral	-0.119390282	3	4.738e-01	9.862e-01	KCNJ5:1560 PRKAR1A:8402 REN:8402 NA NA NA
Adrenoleukodystrophy, Neonatal	-0.089567844	15	2.298e-01	9.862e-01	PEX11B:1447 PEX3:1472 PEX10:1728 HSD17B4:1990 PEX19:8402 PEX1:8402
Affective Disorders, Psychotic	0.073970835	12	3.750e-01	9.862e-01	FKBP5:226 DISC1:1616 BCL2L10:1661 MTHFR:2057 IL1RN:7775 HP:7775
Agammaglobulinemia, non-Bruton type	0.018260725	7	8.671e-01	9.862e-01	LRRC8A:1863 CD79B:7775 CD79A:7775 PIK3R1:7775 BLNK:7775 TCF3:7775
Aganglionosis, Colonic	-0.047277902	19	4.756e-01	9.862e-01	RASGEF1A:762 F2R:1498 FH:1804 EDN3:2622 TP53:8402 RET:8402
Aganglionosis, Rectosigmoid Colon	0.021625126	8	8.323e-01	9.862e-01	NRG1:2045 RET:7775 CAVIN2:7775 UTP25:7775 ECE1:7775 EDNRB:7775
Albinism, Ocular	-0.014101349	27	7.998e-01	9.862e-01	GPR143:108 PMPCA:647 XG:785 SLC45A2:1469 BLOC1S6:1986 TYRP1:8402
Albinism, Oculocutaneous	0.035190354	30	5.048e-01	9.862e-01	BRCA2:365 KIT:614 BRAF:858 CSF3:7775 NRAS:7775 PIK3CA:7775
ALBINOIDISM, OCULOCUTANEOUS, AUTOSOMAL D	0.025659588	25	6.570e-01	9.862e-01	HPS3:32 DBH:140 MLANA:886 SOX10:7775 TYRP1:7775 ZEB2:7775
Alcoholic Intoxication, Chronic	-0.019586364	376	1.949e-01	9.862e-01	BDNF:9 ADH7:49 SLC6A6:68 IGSF22:101 DUSP8:186 NPY2R:266
Alopecia, Male Pattern	-0.009540626	27	8.638e-01	9.862e-01	CD34:307 VDR:378 ZDHHC13:536 PARP1:905 ZFP36:2116 GGCT:2593