

ID	Description	GeneRatio	BgRatio	pvalue	p.adjust	qvalue	geneID	Count
hsa05161	Hepatitis B	14/54	162/8016	1.74E-12	3.56E-10	1.45E-10	BCL2/JUN/	14
hsa04933	AGE-RAGE	11/54	100/8016	3.99E-11	4.09E-09	1.66E-09	BCL2/JUN/	11
hsa05167	Kaposi sarc	13/54	186/8016	1.79E-10	1.23E-08	4.97E-09	PTGS2/JUN	13
hsa04657	IL-17 signa	10/54	94/8016	4.73E-10	2.42E-08	9.83E-09	PTGS2/JUN	10
hsa05163	Human cyt	13/54	225/8016	1.90E-09	7.80E-08	3.16E-08	PTGS2/CAS	13
hsa04218	Cellular ser	11/54	160/8016	6.48E-09	2.22E-07	8.99E-08	IL6/CDK1/	11
hsa05170	Human im	12/54	212/8016	1.11E-08	3.24E-07	1.32E-07	BCL2/JUN/	12
hsa04115	p53 signali	8/54	72/8016	2.13E-08	5.46E-07	2.21E-07	BCL2/CASF	8
hsa04020	Calcium sig	11/54	193/8016	4.60E-08	1.05E-06	4.25E-07	CHRM3/CH	11
hsa05169	Epstein-Ba	11/54	201/8016	6.99E-08	1.43E-06	5.81E-07	BCL2/JUN/	11
hsa05219	Bladder ca	6/54	41/8016	2.64E-07	4.91E-06	1.99E-06	VEGFA/MMA	6
hsa05031	Amphetan	7/54	69/8016	3.30E-07	5.64E-06	2.29E-06	MAOB/JUN	7
hsa04659	Th17 cell d	8/54	107/8016	4.84E-07	7.64E-06	3.10E-06	RXRA/JUN	8
hsa04668	TNF signal	8/54	112/8016	6.89E-07	9.85E-06	3.99E-06	PTGS2/JUN	8
hsa05206	MicroRNA	12/54	310/8016	7.21E-07	9.85E-06	3.99E-06	PTGS2/BCL	12
hsa01521	EGFR tyros	7/54	79/8016	8.42E-07	1.08E-05	4.37E-06	BCL2/PRKC	7
hsa04110	Cell cycle	8/54	124/8016	1.50E-06	1.80E-05	7.28E-06	CDK1/CCN	8
hsa05166	Human T-	10/54	219/8016	1.58E-06	1.80E-05	7.28E-06	JUN/FOS/I	10
hsa05222	Small cell	17/54	92/8016	2.38E-06	2.57E-05	1.04E-05	PTGS2/RXF	7
hsa05323	Rheumatoid	7/54	93/8016	2.56E-06	2.62E-05	1.06E-05	JUN/VEGF/	7
hsa05162	Measles	8/54	138/8016	3.36E-06	3.28E-05	1.33E-05	BCL2/JUN/	8
hsa01522	Endocrine	7/54	98/8016	3.64E-06	3.39E-05	1.38E-05	BCL2/JUN/	7
hsa05223	Non-small	6/54	66/8016	4.68E-06	4.18E-05	1.69E-05	RXRA/PRK	6
hsa04625	C-type lec	7/54	104/8016	5.42E-06	4.63E-05	1.88E-05	PTGS2/JUN	7
hsa01524	Platinum d	6/54	73/8016	8.47E-06	6.94E-05	2.82E-05	BCL2/CASF	6
hsa05140	Leishmania	6/54	77/8016	1.16E-05	9.11E-05	3.69E-05	PTGS2/JUN	6
hsa04970	Salivary ser	6/54	90/8016	2.84E-05	0.000215	8.74E-05	CHRM3/AL	6
hsa04370	VEGF signa	5/54	59/8016	4.36E-05	0.000319	0.00013	PTGS2/PR	5
hsa04215	Apoptosis	4/54	32/8016	5.75E-05	0.000399	0.000162	BCL2/CASF	4
hsa05205	Proteoglyc	8/54	204/8016	5.84E-05	0.000399	0.000162	CASP3/PR	8
hsa04921	Oxytocin s	7/54	153/8016	6.71E-05	0.000444	0.00018	PTGS2/JUN	7
hsa05160	Hepatitis C	7/54	155/8016	7.29E-05	0.000467	0.000189	RXRA/CAS	7
hsa04066	HIF-1 sign	6/54	109/8016	8.37E-05	0.00052	0.000211	BCL2/PRKC	6
hsa04725	Cholinergic	6/54	112/8016	9.73E-05	0.000587	0.000238	CHRM3/CH	6
hsa04151	PI3K-Akt s	10/54	354/8016	0.000104	0.000612	0.000248	RXRA/CHR	10
hsa04726	Serotonerc	6/54	115/8016	0.000113	0.000642	0.00026	PTGS1/PTC	6
hsa05164	Influenza A	7/54	170/8016	0.00013	0.000723	0.000293	CASP3/CAS	7
hsa04010	MAPK sign	9/54	295/8016	0.000136	0.000729	0.000296	JUN/CASP	9
hsa05214	Glioma	5/54	75/8016	0.000139	0.000729	0.000296	PRKCA/PR	5
hsa05133	Pertussis	5/54	76/8016	0.000148	0.000738	0.000299	JUN/CASP	5
hsa05212	Pancreatic	5/54	76/8016	0.000148	0.000738	0.000299	VEGFA/ST	5
hsa05152	Tuberculo	7/54	180/8016	0.000186	0.000908	0.000368	BCL2/CASF	7
hsa04621	NOD-like	17/54	181/8016	0.000193	0.000918	0.000372	BCL2/JUN/	7
hsa04114	Oocyte me	6/54	128/8016	0.000203	0.000947	0.000384	PGR/CDK1	6
hsa04926	Relaxin sig	6/54	129/8016	0.000212	0.000966	0.000392	JUN/PRKC	6
hsa04728	Dopamine	6/54	132/8016	0.00024	0.001071	0.000434	MAOB/PR	6
hsa04012	ErbB signa	5/54	85/8016	0.00025	0.001092	0.000443	JUN/PRKC	5
hsa05210	Colorectal	5/54	86/8016	0.000265	0.00113	0.000458	BCL2/JUN/	5
hsa04210	Apoptosis	6/54	136/8016	0.000283	0.001182	0.00048	BCL2/JUN/	6
hsa04915	Estrogen si	6/54	138/8016	0.000306	0.001254	0.000509	PGR/BCL2/	6
hsa04510	Focal adhe	7/54	199/8016	0.000344	0.001384	0.000562	BCL2/JUN/	7
hsa04658	Th1 and Th	5/54	92/8016	0.000362	0.001416	0.000574	JUN/FOS/S	5
hsa05203	Viral carcin	7/54	201/8016	0.000366	0.001416	0.000574	JUN/CASP	7
hsa04912	GnRH sign	5/54	93/8016	0.000381	0.001446	0.000587	JUN/PRKC	5
hsa05224	Breast can	6/54	147/8016	0.000429	0.001601	0.000649	PGR/JUN/F	6
hsa05226	Gastric can	6/54	149/8016	0.000462	0.001665	0.000675	RXRA/BCL	6
hsa05215	Prostate ca	5/54	97/8016	0.000463	0.001665	0.000675	BCL2/ERBE	5

hsa04923	Regulation4/54	55/8016	0.000486	0.001719	0.000697	PTGS1/PTC	4
hsa04914	Progesterone5/54	99/8016	0.000508	0.001767	0.000717	PGR/CDK1	5
hsa05134	Legionellosis4/54	57/8016	0.000558	0.001906	0.000773	CASP3/CASP	4
hsa05142	Chagas disease5/54	102/8016	0.000583	0.001928	0.000782	JUN/CASP3	5
hsa05146	Amoebiasis5/54	102/8016	0.000583	0.001928	0.000782	CASP3/PRK	5
hsa04620	Toll-like receptor5/54	104/8016	0.000637	0.002074	0.000841	JUN/CASP3	5
hsa04928	Parathyroid hormone5/54	106/8016	0.000695	0.002227	0.000903	RXRA/BCL2	5
hsa05321	Inflammation4/54	65/8016	0.000919	0.002898	0.001175	JUN/IL6/ST	4
hsa04720	Long-term potentiation4/54	67/8016	0.00103	0.003199	0.001298	PRKCA/PRK	4
hsa05165	Human pathogenesis8/54	330/8016	0.001505	0.004605	0.001868	PTGS2/CASP	8
hsa04971	Gastric acid secretion4/54	75/8016	0.001569	0.004732	0.001919	CHRM3/PF	4
hsa04380	Osteoclast differentiation5/54	128/8016	0.001623	0.004822	0.001956	JUN/PPAR	5
hsa04960	Aldosterone secretion3/54	37/8016	0.00191	0.005514	0.002237	NR3C2/PR	3
hsa05143	African trypanosomiasis3/54	37/8016	0.00191	0.005514	0.002237	PRKCA/IL6	3
hsa04662	B cell receptor4/54	82/8016	0.002181	0.006211	0.002519	JUN/FOS/F	4
hsa05235	PD-L1 expression4/54	89/8016	0.002941	0.00826	0.003351	JUN/FOS/S	4
hsa05132	Salmonella infection6/54	214/8016	0.002993	0.008293	0.003364	BCL2/JUN/	6
hsa04024	cAMP signaling6/54	216/8016	0.003135	0.008396	0.003406	CHRM2/AD	6
hsa04261	Adrenergic transmission5/54	149/8016	0.003154	0.008396	0.003406	ADRB2/AD	5
hsa04932	Non-alcoholic fatty acid metabolism5/54	149/8016	0.003154	0.008396	0.003406	RXRA/JUN/	5
hsa04713	Circadian clock4/54	97/8016	0.004012	0.010544	0.004277	PRKCA/FO	4
hsa05231	Choline metabolism4/54	98/8016	0.004162	0.0108	0.004381	JUN/PRKC	4
hsa04064	NF-kappa B4/54	102/8016	0.0048	0.012301	0.00499	PTGS2/BCL	4
hsa04022	cGMP-PKC signaling5/54	167/8016	0.00513	0.012857	0.005215	ADRB2/AD	5
hsa04660	T cell receptor4/54	104/8016	0.005143	0.012857	0.005215	JUN/FOS/I	4
hsa05014	Amyotrophic lateral sclerosis3/54	57/8016	0.006542	0.016158	0.006554	BCL2/CASP	3
hsa05145	Toxoplasma infection4/54	112/8016	0.006677	0.016296	0.00661	BCL2/CASP	4
hsa05202	Transcription5/54	186/8016	0.008036	0.01938	0.007862	RXRA/PPA	5
hsa04919	Thyroid hormone4/54	119/8016	0.008247	0.019433	0.007883	RXRA/PRK	4
hsa04935	Growth hormone4/54	119/8016	0.008247	0.019433	0.007883	PRKCA/FO	4
hsa04152	AMPK signaling4/54	120/8016	0.00849	0.019555	0.007932	PPARG/AC	4
hsa05135	Yersinia infection4/54	120/8016	0.00849	0.019555	0.007932	JUN/FOS/I	4
hsa04924	Renin secretion3/54	69/8016	0.011069	0.025103	0.010183	ADRB2/CA	3
hsa05130	Pathogenesis5/54	202/8016	0.011246	0.025103	0.010183	JUN/CASP	5
hsa04068	FoxO signaling4/54	131/8016	0.01147	0.025103	0.010183	IL6/CCNB1	4
hsa04650	Natural killer cell4/54	131/8016	0.01147	0.025103	0.010183	CASP3/PR	4
hsa05120	Epithelial cell3/54	70/8016	0.011511	0.025103	0.010183	JUN/CASP	3
hsa04270	Vascular smooth muscle4/54	132/8016	0.01177	0.025399	0.010303	ADRA1D/P	4
hsa03320	PPAR signaling3/54	76/8016	0.014371	0.030688	0.012449	RXRA/PPA	3
hsa05204	Chemical carcinogenesis3/54	82/8016	0.017601	0.037197	0.015089	PTGS2/AD	3
hsa04911	Insulin secretion3/54	86/8016	0.019961	0.041669	0.016903	CHRM3/PF	3
hsa04934	Cushing syndrome4/54	155/8016	0.020123	0.041669	0.016903	AHR/E2F1/	4
hsa04540	Gap junction3/54	88/8016	0.021204	0.043468	0.017633	PRKCA/CD	3
hsa04310	Wnt signaling4/54	160/8016	0.022322	0.045306	0.018378	JUN/PRKC	4
hsa04630	JAK-STAT signaling4/54	162/8016	0.023241	0.04671	0.018948	BCL2/IL6/S	4
hsa00350	Tyrosine metabolism2/54	36/8016	0.024245	0.048254	0.019574	ADH1C/M	2