

ID	Descriptor	GeneRatio	BgRatio	pvalue	p.adjust	qvalue	geneID	Count
hsa04668	TNF signal	17/65	112/8016	9.06E-18	1.84E-15	6.77E-16	PTGS2/JUN	17
hsa04933	AGE-RAGE	15/65	100/8016	1.16E-15	1.18E-13	4.35E-14	BCL2/JUN/	15
hsa04657	IL-17 signa	13/65	94/8016	3.37E-13	2.28E-11	8.40E-12	PTGS2/JUN	13
hsa04625	C-type lect	12/65	104/8016	2.71E-11	1.38E-09	5.07E-10	PTGS2/JUN	12
hsa05161	Hepatitis B	13/65	162/8016	3.83E-10	1.40E-08	5.16E-09	BCL2/JUN/	13
hsa04064	NF-kappa	11/65	102/8016	4.14E-10	1.40E-08	5.16E-09	PTGS2/BCL	11
hsa05170	Human im	14/65	212/8016	9.89E-10	2.87E-08	1.06E-08	BCL2/JUN/	14
hsa05167	Kaposi sarc	13/65	186/8016	2.13E-09	4.87E-08	1.79E-08	PTGS2/JUN	13
hsa05163	Human cyt	14/65	225/8016	2.16E-09	4.87E-08	1.79E-08	PTGS2/CAS	14
hsa05142	Chagas dis	10/65	102/8016	7.13E-09	1.45E-07	5.33E-08	JUN/CASPI	10
hsa04659	Th17 cell d	10/65	107/8016	1.14E-08	2.10E-07	7.74E-08	RXRA/JUN,	10
hsa05143	African try	7/65	37/8016	1.41E-08	2.38E-07	8.77E-08	PRKCA/IL6	7
hsa04380	Osteoclast	10/65	128/8016	6.44E-08	1.01E-06	3.70E-07	JUN/PPAR	10
hsa05164	Influenza A	11/65	170/8016	9.38E-08	1.36E-06	5.01E-07	CASP8/PR	11
hsa04620	Toll-like re	9/65	104/8016	1.28E-07	1.67E-06	6.16E-07	JUN/CASPI	9
hsa05162	Measles	10/65	138/8016	1.32E-07	1.67E-06	6.16E-07	BCL2/JUN/	10
hsa05140	Leishmani	8/65	77/8016	1.63E-07	1.94E-06	7.15E-07	PTGS2/JUN	8
hsa04621	NOD-like	11/65	181/8016	1.78E-07	2.01E-06	7.39E-07	BCL2/JUN/	11
hsa04662	B cell rece	8/65	82/8016	2.67E-07	2.85E-06	1.05E-06	JUN/RELA/	8
hsa05135	Yersinia inf	9/65	120/8016	4.42E-07	4.48E-06	1.65E-06	JUN/RELA/	9
hsa05323	Rheumatoi	8/65	93/8016	7.11E-07	6.87E-06	2.53E-06	JUN/MMP	8
hsa05031	Amphetar	7/65	69/8016	1.20E-06	1.06E-05	3.92E-06	MAOB/JUN	7
hsa05166	Human T- (11/65)		219/8016	1.21E-06	1.06E-05	3.92E-06	JUN/RELA/	11
hsa04210	Apoptosis	9/65	136/8016	1.28E-06	1.08E-05	3.98E-06	BCL2/JUN/	9
hsa05146	Amoebiasi	8/65	102/8016	1.45E-06	1.17E-05	4.32E-06	PRKCA/REI	8
hsa05133	Pertussis	7/65	76/8016	2.33E-06	1.82E-05	6.70E-06	JUN/RELA/	7
hsa05144	Malaria	6/65	50/8016	2.70E-06	2.03E-05	7.48E-06	IL6/ICAM1	6
hsa04020	Calcium sig	10/65	193/8016	2.94E-06	2.13E-05	7.84E-06	CHRM3/CH	10
hsa05169	Epstein-Ba	10/65	201/8016	4.23E-06	2.93E-05	1.08E-05	BCL2/JUN/	10
hsa01523	Antifolate	5/65	31/8016	4.33E-06	2.93E-05	1.08E-05	RELA/IL6/II	5
hsa04218	Cellular ser	9/65	160/8016	4.93E-06	3.23E-05	1.19E-05	RELA/IL6/C	9
hsa05134	Legionello	6/65	57/8016	5.90E-06	3.74E-05	1.38E-05	CASP8/REL	6
hsa05235	PD-L1 exp	7/65	89/8016	6.77E-06	4.16E-05	1.53E-05	JUN/RELA/	7
hsa05132	Salmonella	10/65	214/8016	7.39E-06	4.41E-05	1.63E-05	BCL2/JUN/	10
hsa04658	Th1 and Th	7/65	92/8016	8.44E-06	4.64E-05	1.71E-05	JUN/RELA/	7
hsa05222	Small cell	7/65	92/8016	8.44E-06	4.64E-05	1.71E-05	PTGS2/RXF	7
hsa04926	Relaxin sig	8/65	129/8016	8.46E-06	4.64E-05	1.71E-05	JUN/PRKC	8
hsa04623	Cytosolic	6/65	63/8016	1.06E-05	5.68E-05	2.09E-05	RELA/IL6/PI	6
hsa05215	Prostate ca	7/65	97/8016	1.20E-05	6.24E-05	2.30E-05	BCL2/MMF	7
hsa05221	Acute myel	6/65	67/8016	1.52E-05	7.73E-05	2.85E-05	RELA/RUN	6
hsa05202	Transcripti	9/65	186/8016	1.67E-05	8.29E-05	3.05E-05	RXRA/PPA	9
hsa04920	Adipocytol	6/65	69/8016	1.81E-05	8.73E-05	3.22E-05	RXRA/RELA	6
hsa04660	T cell rece	7/65	104/8016	1.90E-05	8.95E-05	3.30E-05	JUN/RELA/	7
hsa05120	Epithelial	6/65	70/8016	1.96E-05	9.06E-05	3.34E-05	JUN/RELA/	6
hsa04010	MAPK sign	11/65	295/8016	2.11E-05	9.53E-05	3.51E-05	JUN/PRKC	11
hsa04115	p53 signali	6/65	72/8016	2.31E-05	0.000102	3.75E-05	BCL2/CASF	6
hsa05130	Pathogenic	9/65	202/8016	3.23E-05	0.000139	5.14E-05	JUN/CASPI	9
hsa04970	Salivary ser	6/65	90/8016	8.22E-05	0.000348	0.000128	CHRM3/AL	6
hsa04151	PI3K-Akt s	11/65	354/8016	0.000112	0.000462	0.00017	RXRA/CHR	11
hsa04062	Chemokin	8/65	189/8016	0.000132	0.000534	0.000197	RELA/NFKB	8
hsa04932	Non-alcohol	7/65	149/8016	0.000188	0.000748	0.000276	RXRA/JUN,	7
hsa04921	Oxytocin s	7/65	153/8016	0.000222	0.000864	0.000318	PTGS2/JUN	7
hsa04931	Insulin resi	6/65	108/8016	0.000225	0.000864	0.000318	RELA/IL6/PI	6
hsa04622	RIG-I-like	5/65	70/8016	0.000242	0.000909	0.000335	CASP8/REL	5
hsa04670	Leukocyte	6/65	112/8016	0.000275	0.000979	0.00036	PRKCA/MM	6
hsa04725	Cholinergic	6/65	112/8016	0.000275	0.000979	0.00036	CHRM3/CH	6
hsa05145	Toxoplasma	6/65	112/8016	0.000275	0.000979	0.00036	BCL2/CASF	6

hsa04726	Serotonergic	6/65	115/8016	0.000317	0.00111	0.000409	PTGS1/PTC	6
hsa04722	Neurotrophin	6/65	119/8016	0.000381	0.001312	0.000483	BCL2/JUN/	6
hsa01521	EGFR tyrosine	5/65	79/8016	0.000426	0.001441	0.00053	BCL2/PRKC	5
hsa05204	Chemical chaperone	5/65	82/8016	0.000506	0.001684	0.00062	PTGS2/AD	5
hsa05131	Shigellosis	8/65	236/8016	0.000594	0.001916	0.000705	BCL2/JUN/	8
hsa05152	Tuberculosis	7/65	180/8016	0.000594	0.001916	0.000705	BCL2/CASP	7
hsa04728	Dopamine receptor	6/65	132/8016	0.000663	0.002103	0.000774	MAOB/PRK	6
hsa04915	Estrogen signaling	6/65	138/8016	0.000838	0.002617	0.000963	PGR/BCL2/	6
hsa04912	GnRH signaling	5/65	93/8016	0.0009	0.002768	0.001019	JUN/PRKC,	5
hsa05205	Proteoglycan	7/65	204/8016	0.001243	0.003728	0.001373	PRKCA/MM	7
hsa04261	Adrenergic	6/65	149/8016	0.001249	0.003728	0.001373	SCN5A/AC	6
hsa04370	VEGF signaling	4/65	59/8016	0.001283	0.003774	0.001389	PTGS2/PRK	4
hsa05160	Hepatitis C	6/65	155/8016	0.00153	0.004437	0.001634	RXRA/CAS	6
hsa04928	Parathyroid	5/65	106/8016	0.001619	0.004629	0.001704	RXRA/BCL2	5
hsa04024	cAMP signaling	7/65	216/8016	0.001729	0.004875	0.001795	CHRM2/JU	7
hsa04066	HIF-1 signaling	5/65	109/8016	0.001832	0.005048	0.001859	BCL2/PRKC	5
hsa05321	Inflammation	4/65	65/8016	0.00184	0.005048	0.001859	JUN/RELA/	4
hsa04720	Long-term	4/65	67/8016	0.002058	0.005571	0.002051	PRKCA/PRK	4
hsa04215	Apoptosis	3/65	32/8016	0.002134	0.0057	0.002099	BCL2/CASP	3
hsa04014	Ras signaling	7/65	232/8016	0.002594	0.006838	0.002517	PRKCA/REI	7
hsa00982	Drug metabolism	4/65	72/8016	0.00268	0.006976	0.002568	ADH1C/M,	4
hsa05020	Prion disease	3/65	35/8016	0.002768	0.007112	0.002618	IL6/SOD1/	3
hsa04971	Gastric acid	4/65	75/8016	0.00311	0.007891	0.002905	CHRM3/PF	4
hsa04960	Aldosterone	3/65	37/8016	0.003248	0.00798	0.002938	NR3C2/PR	3
hsa00980	Metabolism	4/65	76/8016	0.003263	0.00798	0.002938	ADH1C/CY	4
hsa05220	Chronic myeloid	4/65	76/8016	0.003263	0.00798	0.002938	RELA/NFKB	4
hsa05206	MicroRNA	8/65	310/8016	0.003382	0.008174	0.003009	PTGS2/BCL	8
hsa04114	Oocyte maturation	5/65	128/8016	0.003688	0.008807	0.003242	PGR/CDK1	5
hsa04068	FoxO signaling	5/65	131/8016	0.004072	0.009611	0.003538	IL6/CCNB1	5
hsa04270	Vascular smooth muscle	5/65	132/8016	0.004206	0.009814	0.003613	ADRA1B/A	5
hsa00380	Tryptophan	3/65	42/8016	0.004663	0.010756	0.00396	MAOB/CYH	3
hsa04012	ErbB signaling	4/65	85/8016	0.004877	0.011125	0.004096	JUN/PRKC,	4
hsa05165	Human papillomavirus	8/65	330/8016	0.004937	0.011136	0.0041	PTGS2/CAS	8
hsa05210	Colorectal	4/65	86/8016	0.005085	0.011343	0.004176	BCL2/JUN/	4
hsa04510	Focal adhesion	6/65	199/8016	0.005311	0.011719	0.004314	BCL2/JUN/	6
hsa04540	Gap junction	4/65	88/8016	0.005517	0.012036	0.004431	PRKCA/CD	4
hsa05203	Viral carcinogenesis	6/65	201/8016	0.005573	0.012036	0.004431	JUN/CASP	6
hsa05030	Cocaine addiction	3/65	49/8016	0.007188	0.01536	0.005655	MAOB/JUN	3
hsa04713	Circadian clock	4/65	97/8016	0.007765	0.016419	0.006045	PRKCA/FO	4
hsa01522	Endocrine	4/65	98/8016	0.008047	0.016668	0.006137	BCL2/JUN/	4
hsa05231	Choline metabolism	4/65	98/8016	0.008047	0.016668	0.006137	JUN/PRKC,	4
hsa04914	Progesterone	4/65	99/8016	0.008335	0.017091	0.006292	PGR/CDK1	4
hsa04750	Inflammation	4/65	100/8016	0.008631	0.01752	0.00645	PRKCA/IL1	4
hsa04310	Wnt signaling	5/65	160/8016	0.009383	0.01886	0.006943	JUN/PRKC,	5
hsa04923	Regulation	3/65	55/8016	0.00989	0.019682	0.007246	PTGS1/PTC	3
hsa05014	Amyotrophic lateral sclerosis	3/65	57/8016	0.010904	0.021491	0.007912	BCL2/SOD	3
hsa04022	cGMP-PKC	5/65	167/8016	0.011163	0.021789	0.008022	ADRA1B/A	5
hsa00140	Steroid hormone	3/65	60/8016	0.012536	0.024236	0.008923	CYP3A4/C	3
hsa04071	Sphingolipid	4/65	119/8016	0.015595	0.029588	0.010893	BCL2/PRKC	4
hsa04935	Growth hormone	4/65	119/8016	0.015595	0.029588	0.010893	PRKCA/FO	4
hsa05223	Non-small cell	3/65	66/8016	0.016198	0.030447	0.011209	RXRA/PRK	3
hsa05168	Herpes simplex	9/65	491/8016	0.016828	0.031117	0.011456	BCL2/CASP	9
hsa00830	Retinol metabolism	3/65	67/8016	0.016861	0.031117	0.011456	ADH1C/CY	3
hsa04110	Cell cycle	4/65	124/8016	0.017882	0.032703	0.01204	CDK1/CCN	4
hsa04917	Prolactin signaling	3/65	70/8016	0.01894	0.034329	0.012639	RELA/FOS/	3
hsa01524	Platinum drug	3/65	73/8016	0.021155	0.038005	0.013992	BCL2/CASP	3
hsa04650	Natural killer	4/65	131/8016	0.021419	0.03814	0.014042	PRKCA/ICA	4
hsa05214	Glioma	3/65	75/8016	0.022708	0.039961	0.014712	PRKCA/PRK	3

hsa00591	Linoleic ac 2/65	29/8016	0.022835	0.039961	0.014712	CYP3A4/C	2
hsa03320	PPAR sign:3/65	76/8016	0.023507	0.04044	0.014889	RXRA/PPA	3
hsa05212	Pancreatic 3/65	76/8016	0.023507	0.04044	0.014889	RELA/CHU	3