

Category	Term	Count	List Total	Pop Hits	Pop Total	P-Value	Benjamini	Fold Enrichment	Bonferroni	FDR	Fisher Exact
KEGG_PATHWAY	Metabolic pathways	112	444	1583	9496	2.65E-06	0.000881	1.51	0.000881	0.000865	0.0000017
KEGG_PATHWAY	Hippo signaling pathway	22	444	157	9496	0.000012	0.002	3.00	0.00398	0.00196	0.00000358
KEGG_PATHWAY	Parathyroid hormone synthesis, secretion and action	15	444	115	9496	0.000892	0.0987	2.79	0.256	0.097	0.000286
KEGG_PATHWAY	Biosynthesis of cofactors	17	444	154	9496	0.00218	0.123	2.36	0.516	0.121	0.00084
KEGG_PATHWAY	p53 signaling pathway	11	444	75	9496	0.0024	0.123	3.14	0.55	0.121	0.000673
KEGG_PATHWAY	Biosynthesis of amino acids	11	444	75	9496	0.0024	0.123	3.14	0.55	0.121	0.000673
KEGG_PATHWAY	Cysteine and methionine metabolism	9	444	52	9496	0.0026	0.123	3.70	0.578	0.121	0.000603
KEGG_PATHWAY	Peroxisome	11	444	83	9496	0.00507	0.21	2.83	0.815	0.207	0.00159
KEGG_PATHWAY	Proteoglycans in cancer	19	444	204	9496	0.00695	0.256	1.99	0.901	0.252	0.00321
KEGG_PATHWAY	Alcoholism	18	444	191	9496	0.00789	0.262	2.02	0.928	0.257	0.00359
KEGG_PATHWAY	Folate biosynthesis	6	444	28	9496	0.00872	0.263	4.58	0.945	0.258	0.00158
KEGG_PATHWAY	Viral carcinogenesis	18	444	205	9496	0.0153	0.397	1.88	0.994	0.39	0.00747
KEGG_PATHWAY	Carbon metabolism	12	444	117	9496	0.0205	0.397	2.19	0.999	0.39	0.00842
KEGG_PATHWAY	Thyroid hormone synthesis	9	444	75	9496	0.0231	0.397	2.57	1.00e+0	0.39	0.00799
KEGG_PATHWAY	Mitophagy - animal	11	444	105	9496	0.0244	0.397	2.24	1.00e+0	0.39	0.00979
KEGG_PATHWAY	Apoptosis	13	444	137	9496	0.0262	0.397	2.03	1.00e+0	0.39	0.0117
KEGG_PATHWAY	Basal cell carcinoma	8	444	63	9496	0.0267	0.397	2.72	1.00e+0	0.39	0.00868
KEGG_PATHWAY	Endocytosis	20	444	252	9496	0.027	0.397	1.70	1.00e+0	0.39	0.0144
KEGG_PATHWAY	Alanine, aspartate and glutamate metabolism	6	444	37	9496	0.0275	0.397	3.47	1.00e+0	0.39	0.00684
KEGG_PATHWAY	Focal adhesion	17	444	203	9496	0.0279	0.397	1.79	1.00e+0	0.39	0.0143
KEGG_PATHWAY	Inositol phosphate metabolism	9	444	78	9496	0.0284	0.397	2.47	1.00e+0	0.39	0.0103
KEGG_PATHWAY	Estrogen signaling pathway	13	444	139	9496	0.0289	0.397	2.00	1.00e+0	0.39	0.0131
KEGG_PATHWAY	Thiamine metabolism	4	444	15	9496	0.0302	0.397	5.70	1.00e+0	0.39	0.00426
KEGG_PATHWAY	Cellular senescence	14	444	157	9496	0.0318	0.397	1.91	1.00e+0	0.39	0.0152
KEGG_PATHWAY	PI3K-Akt signaling pathway	26	444	362	9496	0.0325	0.397	1.54	1.00e+0	0.39	0.0191
KEGG_PATHWAY	Wnt signaling pathway	15	444	174	9496	0.0328	0.397	1.84	1.00e+0	0.39	0.0162
KEGG_PATHWAY	Aminoacyl-tRNA biosynthesis	8	444	66	9496	0.0334	0.397	2.59	1.00e+0	0.39	0.0114
KEGG_PATHWAY	Signaling pathways regulating pluripotency of stem cells	13	444	144	9496	0.0366	0.397	1.93	1.00e+0	0.39	0.0172
KEGG_PATHWAY	Systemic lupus erythematosus	13	444	144	9496	0.0366	0.397	1.93	1.00e+0	0.39	0.0172
KEGG_PATHWAY	Pathways in cancer	35	444	533	9496	0.0377	0.397	1.40	1.00e+0	0.39	0.0251
KEGG_PATHWAY	Human papillomavirus infection	24	444	333	9496	0.0395	0.397	1.54	1.00e+0	0.39	0.0229
KEGG_PATHWAY	Relaxin signaling pathway	12	444	130	9496	0.0402	0.397	1.97	1.00e+0	0.39	0.0184
KEGG_PATHWAY	Neutrophil extracellular trap formation	16	444	196	9496	0.0406	0.397	1.75	1.00e+0	0.39	0.0213
KEGG_PATHWAY	Glycine, serine and threonine metabolism	6	444	41	9496	0.0407	0.397	3.13	1.00e+0	0.39	0.0113
KEGG_PATHWAY	Selenocompound metabolism	4	444	17	9496	0.0421	0.4	5.03	1.00e+0	0.392	0.0069
KEGG_PATHWAY	Cytoskeleton in muscle cells	18	444	233	9496	0.0458	0.41	1.65	1.00e+0	0.403	0.0249
KEGG_PATHWAY	Lysosome	12	444	133	9496	0.0462	0.41	1.93	1.00e+0	0.403	0.0217
KEGG_PATHWAY	Chemical carcinogenesis - receptor activation	17	444	217	9496	0.0469	0.41	1.68	1.00e+0	0.403	0.0256
KEGG_PATHWAY	Protein digestion and absorption	10	444	105	9496	0.0561	0.478	2.04	1.00e+0	0.469	0.0247
KEGG_PATHWAY	Gastric acid secretion	8	444	76	9496	0.0634	0.492	2.25	1.00e+0	0.483	0.025
KEGG_PATHWAY	PPAR signaling pathway	8	444	76	9496	0.0634	0.492	2.25	1.00e+0	0.483	0.025
KEGG_PATHWAY	2-Oxocarboxylic acid metabolism	5	444	33	9496	0.0658	0.492	3.24	1.00e+0	0.483	0.0176
KEGG_PATHWAY	Human cytomegalovirus infection	17	444	227	9496	0.0665	0.492	1.60	1.00e+0	0.483	0.037
KEGG_PATHWAY	Pancreatic cancer	8	444	77	9496	0.0671	0.492	2.22	1.00e+0	0.483	0.0269
KEGG_PATHWAY	Fluid shear stress and atherosclerosis	12	444	142	9496	0.0677	0.492	1.81	1.00e+0	0.483	0.0339
KEGG_PATHWAY	Adherens junction	9	444	93	9496	0.0682	0.492	2.07	1.00e+0	0.483	0.0294
KEGG_PATHWAY	Platelet activation	11	444	126	9496	0.0696	0.492	1.87	1.00e+0	0.483	0.0336
KEGG_PATHWAY	Valine, leucine and isoleucine degradation	6	444	48	9496	0.0716	0.495	2.67	1.00e+0	0.486	0.0235
KEGG_PATHWAY	Purine metabolism	11	444	128	9496	0.0757	0.513	1.84	1.00e+0	0.504	0.0371

KEGG_PATHWAY	EGFR tyrosine kinase inhibitor resistance	8	444	80	9496	0.0789	0.524	2.14	1.00e+0	0.515	0.0328
KEGG_PATHWAY	Phosphatidylinositol signaling system	9	444	98	9496	0.0866	0.533	1.96	1.00e+0	0.524	0.0394
KEGG_PATHWAY	cGMP-PKG signaling pathway	13	444	166	9496	0.0874	0.533	1.67	1.00e+0	0.524	0.0472
KEGG_PATHWAY	Terpenoid backbone biosynthesis	4	444	23	9496	0.0895	0.533	3.72	1.00e+0	0.524	0.0206
KEGG_PATHWAY	Cholinergic synapse	10	444	116	9496	0.0919	0.533	1.84	1.00e+0	0.524	0.0447
KEGG_PATHWAY	Nicotinate and nicotinamide metabolism	5	444	38	9496	0.0993	0.533	2.81	1.00e+0	0.524	0.0307
KEGG_PATHWAY	Aldosterone-regulated sodium reabsorption	5	444	38	9496	0.0993	0.533	2.81	1.00e+0	0.524	0.0307
KEGG_PATHWAY	Endocrine and other factor-regulated calcium reabsorption	6	444	53	9496	0.0998	0.533	2.42	1.00e+0	0.524	0.0362
KEGG_PATHWAY	Hepatocellular carcinoma	13	444	170	9496	0.0999	0.533	1.64	1.00e+0	0.524	0.0552