

Category	Term	Count	Count i	P-value	Enrichment s
GO	extracellular region	181	1730	2.32E-09	6.27166781
GO	response to glucocorticoid stimulus	17	71	4.23E-06	5.72349811
GO	integral to plasma membrane	103	969	4.39E-06	4.80518264
GO	extracellular space	75	647	4.61E-06	4.87892193
GO	complement activation, classical pathway	10	27	6.18E-06	6.22340428
GO	cell surface	33	214	9.22E-06	5.00545963
GO	negative regulation of cell proliferation	39	287	3.09E-05	4.56887372
GO	sequence-specific DNA binding	57	487	4.83E-05	4.31407689
GO	transcription factor activity	94	922	5.83E-05	4.14536776
GO	response to lipopolysaccharide	19	105	8.24E-05	4.58512879
GO	response to protein stimulus	11	42	8.68E-05	4.97635904
GO	positive regulation of peptidyl-tyrosine phosphorylation	11	42	8.68E-05	4.97635904
GO	membrane	302	3643	8.69E-05	3.87128531
GO	transmembrane receptor protein tyrosine phosphatase activity	7	18	0.000112	5.39167485
GO	response to progesterone stimulus	8	24	0.000127	5.14754434
GO	innate immune response	19	109	0.000138	4.39661919
GO	negative regulation of ERK1 and ERK2 cascade	5	9	0.000148	5.79343807
GO	Rho guanyl-nucleotide exchange factor activity	14	68	0.00017	4.50238222
GO	integral to membrane	315	3857	0.000179	3.67260466
GO	rhythmic process	6	14	0.000188	5.34311137
GO	steroid hormone receptor activity	11	46	0.00021	4.59564659
GO	positive regulation of NF-kappaB transcription factor activity	11	47	0.000258	4.5070577
GO	negative regulation of fibroblast growth factor receptor signaling path	4	6	0.000291	5.80864705
GO	cardiac muscle cell proliferation	4	6	0.000291	5.80864705
GO	pathogen-associated molecular pattern dependent induction by symb	4	6	0.000291	5.80864705
GO	transcription repressor activity	25	173	0.000304	3.98784591
GO	piRNA binding	3	3	0.000319	6.39509339
GO	insulin-like growth factor binding protein complex	3	3	0.000319	6.39509339
GO	mesodermal cell fate determination	3	3	0.000319	6.39509339
GO	positive regulation of macrophage cytokine production	3	3	0.000319	6.39509339
GO	response to glucose stimulus	12	57	0.000393	4.26011511
GO	ligand-dependent nuclear receptor activity	8	28	0.000421	4.56130989
GO	response to light stimulus	6	16	0.000444	4.86280549
GO	positive regulation of gene-specific transcription from RNA polymerasi	16	92	0.000466	4.02222337
GO	positive regulation of smooth muscle cell proliferation	8	29	0.000547	4.43176129
GO	positive regulation of osteoclast differentiation	4	7	0.000643	5.27551414
GO	negative regulation of cell death	4	7	0.000643	5.27551414
GO	cellular response to lipopolysaccharide	4	7	0.000643	5.27551414
GO	microglial cell activation during immune response	4	7	0.000643	5.27551414
GO	signal transduction	157	1796	0.000654	3.3653997
GO	regulation of apoptosis	18	114	0.00071	3.80020595
GO	ion transport	54	505	0.000721	3.48246795
GO	positive regulation of tumor necrosis factor production	5	12	0.000781	4.78302593
GO	lipoprotein metabolic process	6	18	0.000915	4.45719923
GO	regulation of Rho protein signal transduction	13	71	0.000939	3.83879701
GO	plasma membrane	228	2763	0.001019	3.19319655
GO	voltage-gated ion channel activity	21	147	0.001035	3.59379216
GO	anchored to membrane	17	109	0.001136	3.63530314

GO positive regulation of chemokine production	5	13	0.001198	4.52035837
GO epithelial cell maturation involved in prostate gland development	3	4	0.001209	5.40302105
GO activin receptor activity, type I	3	4	0.001209	5.40302105
GO secretory columnar luminal epithelial cell differentiation involved in prostate gland development	3	4	0.001209	5.40302105
GO positive regulation of toll-like receptor signaling pathway	3	4	0.001209	5.40302105
GO apical plasma membrane	22	159	0.001222	3.51336832
GO immune response	35	303	0.001637	3.27957156
GO response to retinoic acid	8	34	0.001706	3.86102647
GO response to cytokine stimulus	10	50	0.001784	3.69387928
GO positive regulation of transcription from RNA polymerase II promoter	34	295	0.001964	3.21764375
GO retinol metabolic process	4	9	0.002071	4.47220331
GO response to fatty acid	4	9	0.002071	4.47220331
GO ligand-regulated transcription factor activity	4	9	0.002071	4.47220331
GO positive regulation of interleukin-12 production	4	9	0.002071	4.47220331
GO circadian rhythm	8	35	0.002081	3.75974575
GO positive regulation of interleukin-6 production	6	21	0.002241	3.94948136
GO multicellular organismal development	83	890	0.002322	3.01643691
GO filopodium assembly	5	15	0.002491	4.06852596
GO cell adhesion	53	522	0.002514	3.04663053
GO scavenger receptor activity	9	44	0.00254	3.58423773
GO negative regulation of nerve growth factor receptor signaling pathway	3	5	0.002869	4.71159348
GO insulin binding	3	5	0.002869	4.71159348
GO placenta blood vessel development	3	5	0.002869	4.71159348
GO lipopolysaccharide receptor activity	3	5	0.002869	4.71159348
GO regulation of transcription, DNA-dependent	92	1013	0.003009	2.91294452
GO response to drug	27	225	0.003112	3.08861225
GO positive regulation of Ras protein signal transduction	4	10	0.003266	4.15714422
GO receptor signaling protein tyrosine kinase activity	4	10	0.003266	4.15714422
GO positive regulation of tyrosine phosphorylation of Stat3 protein	4	10	0.003266	4.15714422
GO positive regulation of interleukin-8 production	4	10	0.003266	4.15714422
GO response to cAMP	9	46	0.003492	3.42567314
GO potassium channel regulator activity	6	23	0.003706	3.6610393
GO odontogenesis	6	23	0.003706	3.6610393
GO regulation of cell proliferation	12	73	0.003733	3.25782225
GO response to organic cyclic substance	14	92	0.003772	3.193921
GO membrane raft	15	103	0.004249	3.11660156
GO regulation of long-term neuronal synaptic plasticity	5	17	0.004577	3.69047681
GO negative regulation of Ras GTPase activity	2	2	0.004668	5.22143439
GO bud elongation involved in lung branching	2	2	0.004668	5.22143439
GO blood vessel endothelial cell proliferation involved in sprouting angiogenesis	2	2	0.004668	5.22143439
GO positive regulation of dopamine uptake	2	2	0.004668	5.22143439
GO establishment of blood-nerve barrier	2	2	0.004668	5.22143439
GO lymph vessel development	2	2	0.004668	5.22143439
GO positive regulation of glycoprotein biosynthetic process	2	2	0.004668	5.22143439
GO positive regulation of interleukin-3 biosynthetic process	2	2	0.004668	5.22143439
GO serotonin secretion	2	2	0.004668	5.22143439
GO Ral guanyl-nucleotide exchange factor activity	2	2	0.004668	5.22143439
GO regulation of low-density lipoprotein receptor catabolic process	2	2	0.004668	5.22143439
GO prostate gland stromal morphogenesis	2	2	0.004668	5.22143439

GO hepatic immune response	2	2	0.004668	5.22143439
GO response to iron(II) ion	2	2	0.004668	5.22143439
GO axon target recognition	2	2	0.004668	5.22143439
GO RNA destabilization	2	2	0.004668	5.22143439
GO response to exogenous dsRNA	4	11	0.004857	3.88209859
GO neural crest cell development	4	11	0.004857	3.88209859
GO cell fate determination	4	11	0.004857	3.88209859
GO myoblast fusion	4	11	0.004857	3.88209859
GO proteinaceous extracellular matrix	26	223	0.00538	2.87181754
GO regulation of blood pressure	9	49	0.005419	3.20318458
GO regulation of hydrogen peroxide metabolic process	3	6	0.005446	4.19059941
GO response to peptidoglycan	3	6	0.005446	4.19059941
GO positive regulation of organ growth	3	6	0.005446	4.19059941
GO chromatin DNA binding	3	6	0.005446	4.19059941
GO insulin-like growth factor I binding	3	6	0.005446	4.19059941
GO lipid binding	16	116	0.005518	2.97892851
GO phosphatidylinositol binding	5	18	0.005985	3.52272361
GO metal ion binding	213	2658	0.006011	2.59675014
GO sarcolemma	10	59	0.006254	3.08345325
GO positive regulation of apoptosis	15	108	0.006635	2.91332224
GO cell-cell signaling	27	238	0.006655	2.77443809
GO lung development	10	60	0.007057	3.02270894
GO response to hypoxia	18	140	0.007087	2.83421857
GO zinc ion binding	154	1867	0.007194	2.54919044
GO B cell differentiation	7	34	0.007213	3.18080871
GO palate development	7	34	0.007213	3.18080871
GO protein amino acid dephosphorylation	16	120	0.007642	2.82995576
GO leukotriene biosynthetic process	5	19	0.007673	3.36668991
GO insulin-like growth factor binding	5	19	0.007673	3.36668991
GO response to estradiol stimulus	10	61	0.007937	2.96317511
GO basement membrane	10	61	0.007937	2.96317511
GO kidney development	10	61	0.007937	2.96317511
GO positive regulation of cell proliferation	31	290	0.008997	2.62147079
GO transmembrane receptor protein tyrosine phosphatase signaling path	3	7	0.009049	3.77745366
GO negative regulation of smooth muscle cell migration	3	7	0.009049	3.77745366
GO GTP-Rho binding	3	7	0.009049	3.77745366
GO positive regulation of pseudopodium assembly	3	7	0.009049	3.77745366
GO P granule	3	7	0.009049	3.77745366
GO piRNA metabolic process	3	7	0.009049	3.77745366
GO natriuresis	3	7	0.009049	3.77745366
GO drinking behavior	3	7	0.009049	3.77745366
GO regulation of organ growth	3	7	0.009049	3.77745366
GO neurotransmitter biosynthetic process	3	7	0.009049	3.77745366
GO positive regulation of glycolysis	3	7	0.009049	3.77745366
GO osteoclast differentiation	3	7	0.009049	3.77745366
GO positive regulation of fatty acid beta-oxidation	3	7	0.009049	3.77745366
GO calcium-activated potassium channel activity	4	13	0.009427	3.42090875
GO insulin-like growth factor receptor binding	4	13	0.009427	3.42090875
GO inflammatory response	25	222	0.009603	2.62895529

GO integral to Golgi membrane	8	45	0.010411	2.91242389
GO protein dimerization activity	12	84	0.01154	2.71212167
GO branching morphogenesis of a tube	5	21	0.011985	3.08425664
GO negative regulation of BMP signaling pathway	5	21	0.011985	3.08425664
GO induction of apoptosis	20	170	0.01228	2.55865965
GO cell fate commitment	6	29	0.012282	2.95890235
GO positive regulation of vasodilation	4	14	0.012495	3.22414322
GO negative regulation of tumor necrosis factor production	4	14	0.012495	3.22414322
GO cytoskeletal adaptor activity	4	14	0.012495	3.22414322
GO complement activation, alternative pathway	4	14	0.012495	3.22414322
GO negative regulation of transcription from RNA polymerase II promoter	25	227	0.012514	2.50976116
GO transcription activator activity	25	227	0.012514	2.50976116
GO epidermis development	11	75	0.012619	2.69310063
GO double-stranded DNA binding	11	75	0.012619	2.69310063
GO axon	16	127	0.012895	2.58256753
GO endoplasmic reticulum membrane	49	518	0.013107	2.40015136
GO regulation of potassium ion transport	2	3	0.013367	4.10700924
GO homotypic cell-cell adhesion	2	3	0.013367	4.10700924
GO negative regulation of lipopolysaccharide-mediated signaling pathway	2	3	0.013367	4.10700924
GO regulation of MAP kinase activity	2	3	0.013367	4.10700924
GO ubiquitin-protein ligase regulator activity	2	3	0.013367	4.10700924
GO activin receptor complex	2	3	0.013367	4.10700924
GO dense core granule	2	3	0.013367	4.10700924
GO positive regulation of monocyte differentiation	2	3	0.013367	4.10700924
GO negative regulation of extracellular matrix disassembly	2	3	0.013367	4.10700924
GO endothelial cell activation	2	3	0.013367	4.10700924
GO regulation of pathway-restricted SMAD protein phosphorylation	2	3	0.013367	4.10700924
GO dopamine receptor activity, coupled via Gi/Go	2	3	0.013367	4.10700924
GO response to histamine	2	3	0.013367	4.10700924
GO nitric oxide transport	2	3	0.013367	4.10700924
GO positive regulation of sarcomere organization	2	3	0.013367	4.10700924
GO brain segmentation	2	3	0.013367	4.10700924
GO positive regulation of granulocyte macrophage colony-stimulating fact	2	3	0.013367	4.10700924
GO negative regulation of low-density lipoprotein particle clearance	2	3	0.013367	4.10700924
GO glutamate decarboxylase activity	2	3	0.013367	4.10700924
GO cerebral cortex neuron differentiation	2	3	0.013367	4.10700924
GO negative regulation of T-helper 2 cell differentiation	2	3	0.013367	4.10700924
GO interleukin-6 receptor complex	2	3	0.013367	4.10700924
GO interleukin-6-mediated signaling pathway	2	3	0.013367	4.10700924
GO germ cell programmed cell death	2	3	0.013367	4.10700924
GO laminin-11 complex	2	3	0.013367	4.10700924
GO protein-lysine 6-oxidase activity	2	3	0.013367	4.10700924
GO common-partner SMAD protein phosphorylation	2	3	0.013367	4.10700924
GO positive regulation of keratinocyte differentiation	2	3	0.013367	4.10700924
GO pancreatic polypeptide receptor activity	2	3	0.013367	4.10700924
GO xenobiotic-transporting ATPase activity	2	3	0.013367	4.10700924
GO negative regulation of B cell apoptosis	2	3	0.013367	4.10700924
GO negative regulation of T-helper 2 type immune response	2	3	0.013367	4.10700924
GO negative regulation of prostatic bud formation	2	3	0.013367	4.10700924

GO	microglial cell activation	2	3	0.013367	4.10700924
GO	cellular response to lipoteichoic acid	2	3	0.013367	4.10700924
GO	low voltage-gated calcium channel activity	2	3	0.013367	4.10700924
GO	regulation of protein binding	3	8	0.013749	3.43779811
GO	positive regulation of SMAD protein nuclear translocation	3	8	0.013749	3.43779811
GO	regulation of ossification	3	8	0.013749	3.43779811
GO	negative regulation of calcium ion transport via voltage-gated calcium	3	8	0.013749	3.43779811
GO	oxidative demethylation	3	8	0.013749	3.43779811
GO	retinal metabolic process	3	8	0.013749	3.43779811
GO	diuresis	3	8	0.013749	3.43779811
GO	heart trabecula formation	3	8	0.013749	3.43779811
GO	positive regulation of NF-kappaB import into nucleus	3	8	0.013749	3.43779811
GO	integrin-mediated signaling pathway	9	57	0.01458	2.68310357
GO	lyase activity	13	97	0.014654	2.56968202
GO	endomembrane system	11	77	0.015215	2.59617825
GO	ureteric bud development	7	39	0.015332	2.75323672
GO	positive regulation of gene-specific transcription	7	39	0.015332	2.75323672
GO	regulation of mitotic cell cycle	4	15	0.016133	3.04494013
GO	neural tube development	4	15	0.016133	3.04494013
GO	cholesterol metabolic process	9	58	0.016244	2.62432456
GO	SMAD binding	6	31	0.016951	2.7646427
GO	intracellular	145	1794	0.017287	2.20069861
GO	blood vessel development	7	40	0.017519	2.6758052
GO	positive regulation of glucose import	5	23	0.017697	2.83424487
GO	negative regulation of cell adhesion	5	23	0.017697	2.83424487
GO	SH3/SH2 adaptor activity	8	50	0.019214	2.57156168
GO	response to estrogen stimulus	8	50	0.019214	2.57156168
GO	blood vessel morphogenesis	3	9	0.019587	3.15096855
GO	cytoplasmic sequestering of transcription factor	3	9	0.019587	3.15096855
GO	oxidoreductase activity	40	418	0.019668	2.24030443
GO	negative regulation of MAP kinase activity	4	16	0.02037	2.88058782
GO	positive regulation of endothelial cell migration	4	16	0.02037	2.88058782
GO	membrane depolarization	4	16	0.02037	2.88058782
GO	SMAD protein signal transduction	4	16	0.02037	2.88058782
GO	positive regulation of vasoconstriction	4	16	0.02037	2.88058782
GO	negative regulation of transcription, DNA-dependent	12	91	0.020871	2.40697893
GO	positive regulation of nitric oxide biosynthetic process	5	24	0.021128	2.71932149
GO	response to insulin stimulus	8	51	0.021467	2.50831541
GO	cell growth	7	42	0.022535	2.52777829
GO	heart development	14	114	0.023447	2.31114214
GO	skeletal system development	15	125	0.023501	2.29600632
GO	response to peptide hormone stimulus	9	62	0.0243	2.40070986
GO	positive regulation of transcription factor activity	5	25	0.024964	2.61024504
GO	brown fat cell differentiation	5	25	0.024964	2.61024504
GO	activation of JUN kinase activity	5	25	0.024964	2.61024504
GO	organ morphogenesis	14	115	0.02508	2.27579921
GO	positive regulation of calcium-mediated signaling	4	17	0.025229	2.72893467
GO	nitrogen compound metabolic process	4	17	0.025229	2.72893467
GO	endoderm development	4	17	0.025229	2.72893467

GO	1-acylglycerophosphocholine O-acyltransferase activity	2	4	0.025525	3.42142987
GO	proton-transporting two-sector ATPase complex, proton-transporting	2	4	0.025525	3.42142987
GO	positive regulation of fatty acid oxidation	2	4	0.025525	3.42142987
GO	MyD88-dependent toll-like receptor signaling pathway	2	4	0.025525	3.42142987
GO	alcohol dehydrogenase activity, zinc-dependent	2	4	0.025525	3.42142987
GO	glial cell migration	2	4	0.025525	3.42142987
GO	phospholipid translocation	2	4	0.025525	3.42142987
GO	caffeine oxidase activity	2	4	0.025525	3.42142987
GO	drug catabolic process	2	4	0.025525	3.42142987
GO	Gram-positive bacterial cell surface binding	2	4	0.025525	3.42142987
GO	intercellular canaliculus	2	4	0.025525	3.42142987
GO	behavioral response to ethanol	2	4	0.025525	3.42142987
GO	cerebral cortex GABAergic interneuron migration	2	4	0.025525	3.42142987
GO	dopamine receptor activity	2	4	0.025525	3.42142987
GO	cellular sodium ion homeostasis	2	4	0.025525	3.42142987
GO	positive regulation of cardiac muscle hypertrophy	2	4	0.025525	3.42142987
GO	regulation of blood volume by renin-angiotensin	2	4	0.025525	3.42142987
GO	bioluminescence	2	4	0.025525	3.42142987
GO	hindgut morphogenesis	2	4	0.025525	3.42142987
GO	head morphogenesis	2	4	0.025525	3.42142987
GO	monocyte chemotaxis	2	4	0.025525	3.42142987
GO	negative regulation of collagen biosynthetic process	2	4	0.025525	3.42142987
GO	carbon dioxide transport	2	4	0.025525	3.42142987
GO	cellular response to dexamethasone stimulus	2	4	0.025525	3.42142987
GO	plasma membrane organization	2	4	0.025525	3.42142987
GO	fibril	2	4	0.025525	3.42142987
GO	negative regulation of myeloid cell differentiation	2	4	0.025525	3.42142987
GO	nucleotide-binding oligomerization domain containing 2 signaling patf	2	4	0.025525	3.42142987
GO	response to muramyl dipeptide	2	4	0.025525	3.42142987
GO	peptide YY receptor activity	2	4	0.025525	3.42142987
GO	regulation of Wnt receptor signaling pathway through beta-catenin	2	4	0.025525	3.42142987
GO	negative regulation of appetite	2	4	0.025525	3.42142987
GO	negative regulation of sequestering of triglyceride	2	4	0.025525	3.42142987
GO	negative regulation of membrane protein ectodomain proteolysis	2	4	0.025525	3.42142987
GO	urinary bladder development	2	4	0.025525	3.42142987
GO	peptide:hydrogen symporter activity	2	4	0.025525	3.42142987
GO	cobalamin transport	2	4	0.025525	3.42142987
GO	positive regulation of nitric-oxide synthase biosynthetic process	2	4	0.025525	3.42142987
GO	lipopolysaccharide receptor complex	2	4	0.025525	3.42142987
GO	positive regulation of bone resorption	2	4	0.025525	3.42142987
GO	activation of MAPK activity	8	53	0.026522	2.38615188
GO	dopamine metabolic process	3	10	0.026582	2.90367785
GO	prostaglandin biosynthetic process	3	10	0.026582	2.90367785
GO	fatty acid transport	3	10	0.026582	2.90367785
GO	R-SMAD binding	3	10	0.026582	2.90367785
GO	prostate gland epithelium morphogenesis	3	10	0.026582	2.90367785
GO	defense response to Gram-negative bacterium	3	10	0.026582	2.90367785
GO	phosphoinositide 3-kinase binding	3	10	0.026582	2.90367785
GO	metalloendopeptidase inhibitor activity	3	10	0.026582	2.90367785

GO response to virus	13	105	0.026674	2.25832995
GO peptidase activity	43	465	0.026842	2.08724947
GO sugar binding	18	161	0.026865	2.19422191
GO protein binding	459	6249	0.027837	1.9517952
GO brush border membrane	5	26	0.02922	2.50646932
GO endopeptidase inhibitor activity	5	26	0.02922	2.50646932
GO neuropeptide signaling pathway	11	85	0.029718	2.23596124
GO apoptosis	41	444	0.030655	2.02736874
GO platelet-derived growth factor receptor signaling pathway	4	18	0.030728	2.58824799
GO protein ubiquitination involved in ubiquitin-dependent protein catabo	4	18	0.030728	2.58824799
GO endocrine pancreas development	4	18	0.030728	2.58824799
GO response to corticosterone stimulus	4	18	0.030728	2.58824799
GO pituitary gland development	4	18	0.030728	2.58824799
GO cellular process	4	18	0.030728	2.58824799
GO cortical cytoskeleton	4	18	0.030728	2.58824799
GO protein amino acid glycosylation	9	65	0.031965	2.24388376
GO iron ion binding	9	65	0.031965	2.24388376
GO transforming growth factor beta receptor signaling pathway	8	55	0.032349	2.26934106
GO transmembrane receptor activity	13	108	0.032664	2.14850996
GO odontogenesis of dentine-containing tooth	6	36	0.03361	2.33989753
GO response to cold	5	27	0.033907	2.40751839
GO retinol dehydrogenase activity	3	11	0.034729	2.68693381
GO negative regulation of osteoclast differentiation	3	11	0.034729	2.68693381
GO sphingolipid biosynthetic process	3	11	0.034729	2.68693381
GO transforming growth factor beta receptor activity	3	11	0.034729	2.68693381
GO positive regulation of cellular protein metabolic process	3	11	0.034729	2.68693381
GO arachidonic acid secretion	3	11	0.034729	2.68693381
GO peptide hormone processing	3	11	0.034729	2.68693381
GO positive regulation of interleukin-1 beta secretion	3	11	0.034729	2.68693381
GO basal lamina	3	11	0.034729	2.68693381
GO I-kappaB phosphorylation	3	11	0.034729	2.68693381
GO cellular response to insulin stimulus	7	46	0.035363	2.25569969
GO external side of plasma membrane	14	121	0.036698	2.07080173
GO neutrophil chemotaxis	4	19	0.036875	2.45711416
GO positive regulation of MAP kinase activity	4	19	0.036875	2.45711416
GO positive regulation of JNK cascade	4	19	0.036875	2.45711416
GO serine-type endopeptidase activity	16	144	0.037188	2.04126778
GO integrin complex	5	28	0.039033	2.31297528
GO lung morphogenesis	2	5	0.040629	2.93915777
GO activation of MAPKKK activity	2	5	0.040629	2.93915777
GO branching involved in mammary gland duct morphogenesis	2	5	0.040629	2.93915777
GO positive regulation of sodium ion transport	2	5	0.040629	2.93915777
GO monoterpenoid metabolic process	2	5	0.040629	2.93915777
GO serine C-palmitoyltransferase activity	2	5	0.040629	2.93915777
GO serine C-palmitoyltransferase complex	2	5	0.040629	2.93915777
GO pattern recognition receptor activity	2	5	0.040629	2.93915777
GO inhibition of adenylate cyclase activity by dopamine receptor signaling	2	5	0.040629	2.93915777
GO nerve-nerve synaptic transmission	2	5	0.040629	2.93915777
GO fear response	2	5	0.040629	2.93915777

GO protein tyrosine/threonine phosphatase activity	2	5	0.040629	2.93915777
GO mitogen-activated protein kinase binding	2	5	0.040629	2.93915777
GO microfibril	2	5	0.040629	2.93915777
GO paraxial mesoderm formation	2	5	0.040629	2.93915777
GO neutrophil mediated immunity	2	5	0.040629	2.93915777
GO positive regulation of immunoglobulin secretion	2	5	0.040629	2.93915777
GO negative regulation of transporter activity	2	5	0.040629	2.93915777
GO negative regulation of focal adhesion assembly	2	5	0.040629	2.93915777
GO response to cholesterol	2	5	0.040629	2.93915777
GO amine oxidase activity	2	5	0.040629	2.93915777
GO regulation of cardiac muscle contraction	2	5	0.040629	2.93915777
GO entrainment of circadian clock	2	5	0.040629	2.93915777
GO prostaglandin E receptor activity	2	5	0.040629	2.93915777
GO negative regulation of growth of symbiont in host	2	5	0.040629	2.93915777
GO cell-matrix adhesion	9	68	0.041163	2.09528969
GO protein homodimerization activity	34	365	0.041173	1.89607134
GO negative regulation of cell migration	6	38	0.042479	2.18964653
GO response to mechanical stimulus	6	38	0.042479	2.18964653
GO transcription factor binding	18	170	0.042732	1.94806018
GO cytokine-mediated signaling pathway	7	48	0.043287	2.13003653
GO retina development in camera-type eye	4	20	0.043678	2.33436646
GO tumor necrosis factor receptor binding	4	20	0.043678	2.33436646
GO drug metabolic process	3	12	0.044007	2.49439933
GO photoreceptor inner segment	3	12	0.044007	2.49439933
GO response to pH	3	12	0.044007	2.49439933
GO negative regulation of macrophage derived foam cell differentiation	3	12	0.044007	2.49439933
GO positive regulation of interferon-beta production	3	12	0.044007	2.49439933
GO metanephros development	5	29	0.044606	2.22247287
GO protein targeting	5	29	0.044606	2.22247287
GO in utero embryonic development	15	136	0.045041	1.94544286
GO Golgi membrane	32	343	0.045655	1.84760542
GO transport vesicle	6	39	0.047414	2.11803392
GO calcium ion transport	13	114	0.047442	1.93887619
GO receptor activity	93	1148	0.047686	1.75396703
GO elevation of cytosolic calcium ion concentration	11	92	0.048847	1.95146746
GO brain development	13	115	0.050292	1.90514552
GO negative regulation of gene-specific transcription from RNA polymerase	8	60	0.050569	1.99790727
GO adult locomotory behavior	5	30	0.050631	2.13568644
GO dorsal/ventral pattern formation	5	30	0.050631	2.13568644
GO positive regulation of inflammatory response	4	21	0.051135	2.21903192
GO ventricular cardiac muscle tissue morphogenesis	4	21	0.051135	2.21903192
GO negative regulation of gene-specific transcription	4	21	0.051135	2.21903192
GO proteolysis	38	423	0.051314	1.77101609
GO response to hydrogen peroxide	6	40	0.05269	2.04857614
GO negative regulation of smooth muscle cell proliferation	3	13	0.05438	2.32145913
GO hormone metabolic process	3	13	0.05438	2.32145913
GO MAP kinase tyrosine/serine/threonine phosphatase activity	3	13	0.05438	2.32145913
GO regulation of inflammatory response	3	13	0.05438	2.32145913
GO negative regulation of Wnt receptor signaling pathway through beta-c	3	13	0.05438	2.32145913

GO embryonic cranial skeleton morphogenesis	3	13	0.05438	2.32145913
GO inorganic anion exchanger activity	3	13	0.05438	2.32145913
GO activation of NF-kappaB-inducing kinase activity	3	13	0.05438	2.32145913
GO intracellular protein kinase cascade	11	94	0.055565	1.8746873
GO embryonic development	9	72	0.055986	1.90854926
GO positive regulation of MAPKKK cascade	5	31	0.057108	2.05232749
GO heart morphogenesis	5	31	0.057108	2.05232749
GO negative regulation of Ras protein signal transduction	2	6	0.058221	2.57255176
GO prostate epithelial cord arborization involved in prostate glandular aci	2	6	0.058221	2.57255176
GO negative regulation of interleukin-12 production	2	6	0.058221	2.57255176
GO response to amine stimulus	2	6	0.058221	2.57255176
GO negative regulation of protein secretion	2	6	0.058221	2.57255176
GO peristalsis	2	6	0.058221	2.57255176
GO regulation of synaptic transmission, GABAergic	2	6	0.058221	2.57255176
GO regulation of dopamine metabolic process	2	6	0.058221	2.57255176
GO positive regulation of fatty acid biosynthetic process	2	6	0.058221	2.57255176
GO inositol phosphate-mediated signaling	2	6	0.058221	2.57255176
GO mitochondrial membrane organization	2	6	0.058221	2.57255176
GO positive regulation of mast cell degranulation	2	6	0.058221	2.57255176
GO leukotriene metabolic process	2	6	0.058221	2.57255176
GO lipoxygenase activity	2	6	0.058221	2.57255176
GO glycosaminoglycan catabolic process	2	6	0.058221	2.57255176
GO heparan sulfate proteoglycan biosynthetic process	2	6	0.058221	2.57255176
GO neuron fate specification	2	6	0.058221	2.57255176
GO exocrine pancreas development	2	6	0.058221	2.57255176
GO positive regulation of myoblast differentiation	2	6	0.058221	2.57255176
GO interleukin-6 receptor binding	2	6	0.058221	2.57255176
GO positive regulation of acute inflammatory response	2	6	0.058221	2.57255176
GO water transmembrane transporter activity	2	6	0.058221	2.57255176
GO SMAD protein nuclear translocation	2	6	0.058221	2.57255176
GO somatic stem cell division	2	6	0.058221	2.57255176
GO negative regulation of erythrocyte differentiation	2	6	0.058221	2.57255176
GO maintenance of gastrointestinal epithelium	2	6	0.058221	2.57255176
GO dopamine biosynthetic process	2	6	0.058221	2.57255176
GO negative regulation of cholesterol storage	2	6	0.058221	2.57255176
GO protein thiol-disulfide exchange	2	6	0.058221	2.57255176
GO regulation of branching involved in prostate gland morphogenesis	2	6	0.058221	2.57255176
GO branching involved in embryonic placenta morphogenesis	2	6	0.058221	2.57255176
GO cobalt ion transport	2	6	0.058221	2.57255176
GO Rho GTPase activator activity	4	22	0.059242	2.11029161
GO gluconeogenesis	4	22	0.059242	2.11029161
GO negative regulation of NF-kappaB transcription factor activity	4	22	0.059242	2.11029161
GO cysteine-type endopeptidase inhibitor activity	4	22	0.059242	2.11029161
GO blood vessel remodeling	4	22	0.059242	2.11029161
GO activation of phospholipase C activity	4	22	0.059242	2.11029161
GO basal plasma membrane	4	22	0.059242	2.11029161
GO voltage-gated calcium channel complex	4	22	0.059242	2.11029161
GO positive regulation of cell migration	8	62	0.059401	1.89661467
GO extracellular matrix organization	8	62	0.059401	1.89661467

GO	G-protein coupled receptor activity	32	352	0.060733	1.69312561
GO	anti-apoptosis	18	178	0.061715	1.74101138
GO	positive regulation of anti-apoptosis	5	32	0.064037	1.97213867
GO	spermatid development	5	32	0.064037	1.97213867
GO	apical part of cell	6	42	0.06427	1.91563311
GO	cytokine activity	15	143	0.06445	1.73843571
GO	transcription repressor binding	3	14	0.065804	2.16465914
GO	response to starvation	3	14	0.065804	2.16465914
GO	regulation of sensory perception of pain	3	14	0.065804	2.16465914
GO	regulation of vasoconstriction	3	14	0.065804	2.16465914
GO	regulation of neuronal synaptic plasticity	3	14	0.065804	2.16465914
GO	positive regulation of protein secretion	3	14	0.065804	2.16465914
GO	artery morphogenesis	3	14	0.065804	2.16465914
GO	eye development	3	14	0.065804	2.16465914
GO	negative regulation of mitotic cell cycle	3	14	0.065804	2.16465914
GO	sialyltransferase activity	3	14	0.065804	2.16465914
GO	DNA damage response, signal transduction by p53 class mediator resu	3	14	0.065804	2.16465914
GO	response to ATP	3	14	0.065804	2.16465914
GO	proteasome core complex	3	14	0.065804	2.16465914
GO	guanyl-nucleotide exchange factor activity	13	120	0.066302	1.74126282
GO	galactosyltransferase activity	4	23	0.067988	2.00745043
GO	activation of MAPKK activity	4	23	0.067988	2.00745043
GO	voltage-gated calcium channel activity	4	23	0.067988	2.00745043
GO	negative regulation of cell migration involved in sprouting angiogenesi	1	1	0.068348	3.69201445
GO	3-alpha(17-beta)-hydroxysteroid dehydrogenase (NAD+) activity	1	1	0.068348	3.69201445
GO	racemase and epimerase activity	1	1	0.068348	3.69201445
GO	lung growth	1	1	0.068348	3.69201445
GO	ATP-binding and phosphorylation-dependent chloride channel activity	1	1	0.068348	3.69201445
GO	channel-conductance-controlling ATPase activity	1	1	0.068348	3.69201445
GO	actin modification	1	1	0.068348	3.69201445
GO	myosin II binding	1	1	0.068348	3.69201445
GO	regulation of synapse organization	1	1	0.068348	3.69201445
GO	negative regulation of innate immune response	1	1	0.068348	3.69201445
GO	negative regulation of macrophage cytokine production	1	1	0.068348	3.69201445
GO	positive regulation of macrophage tolerance induction	1	1	0.068348	3.69201445
GO	regulation of protein complex disassembly	1	1	0.068348	3.69201445
GO	acyl carnitine transport	1	1	0.068348	3.69201445
GO	sphinganine metabolic process	1	1	0.068348	3.69201445
GO	sphingolipid delta-4 desaturase activity	1	1	0.068348	3.69201445
GO	sphingosine hydroxylase activity	1	1	0.068348	3.69201445
GO	neuronal RNA granule	1	1	0.068348	3.69201445
GO	collagen type VIII	1	1	0.068348	3.69201445
GO	carbamoyl phosphate biosynthetic process	1	1	0.068348	3.69201445
GO	carbamoyl-phosphate synthase (ammonia) activity	1	1	0.068348	3.69201445
GO	carbamoyl-phosphate synthase activity	1	1	0.068348	3.69201445
GO	citrulline biosynthetic process	1	1	0.068348	3.69201445
GO	nitric oxide metabolic process	1	1	0.068348	3.69201445
GO	mammary gland fat development	1	1	0.068348	3.69201445
GO	positive regulation of mononuclear cell proliferation	1	1	0.068348	3.69201445

GO	regulation of macrophage derived foam cell differentiation	1	1	0.068348	3.69201445
GO	reproductive developmental process	1	1	0.068348	3.69201445
GO	negative regulation of blood vessel remodeling	1	1	0.068348	3.69201445
GO	negative regulation of collagen catabolic process	1	1	0.068348	3.69201445
GO	negative regulation of elastin catabolic process	1	1	0.068348	3.69201445
GO	negative regulation of histolysis	1	1	0.068348	3.69201445
GO	regulation of tissue remodeling	1	1	0.068348	3.69201445
GO	beta2-adrenergic receptor activity	1	1	0.068348	3.69201445
GO	cellular amide metabolic process	1	1	0.068348	3.69201445
GO	urea metabolic process	1	1	0.068348	3.69201445
GO	regulation of endothelial cell migration	1	1	0.068348	3.69201445
GO	induction of bacterial agglutination	1	1	0.068348	3.69201445
GO	zymogen binding	1	1	0.068348	3.69201445
GO	establishment of localization	1	1	0.068348	3.69201445
GO	invadopodium membrane	1	1	0.068348	3.69201445
GO	regulation of T cell mediated immunity	1	1	0.068348	3.69201445
GO	dopamine D2 receptor activity	1	1	0.068348	3.69201445
GO	dopamine D4 receptor activity	1	1	0.068348	3.69201445
GO	toxin receptor binding	1	1	0.068348	3.69201445
GO	angiotensin mediated vasoconstriction involved in regulation of syster	1	1	0.068348	3.69201445
GO	renal response to blood flow involved in circulatory renin-angiotensin	1	1	0.068348	3.69201445
GO	response to muscle activity involved in regulation of muscle adaptatio	1	1	0.068348	3.69201445
GO	type 2 angiotensin receptor binding	1	1	0.068348	3.69201445
GO	negative regulation of elastin biosynthetic process	1	1	0.068348	3.69201445
GO	activation of phospholipase D activity by G-protein coupled receptor p	1	1	0.068348	3.69201445
GO	endothelin A receptor binding	1	1	0.068348	3.69201445
GO	negative regulation of nitric-oxide synthase biosynthetic process	1	1	0.068348	3.69201445
GO	protein kinase C deactivation	1	1	0.068348	3.69201445
GO	O-glycan processing, core 3	1	1	0.068348	3.69201445
GO	rhombomere 3 formation	1	1	0.068348	3.69201445
GO	rhombomere 5 formation	1	1	0.068348	3.69201445
GO	axial mesoderm formation	1	1	0.068348	3.69201445
GO	notochord cell development	1	1	0.068348	3.69201445
GO	negative regulation of cellular metabolic process	1	1	0.068348	3.69201445
GO	positive regulation of cellular metabolic process	1	1	0.068348	3.69201445
GO	regulation of angiotensin metabolic process	1	1	0.068348	3.69201445
GO	synapse maturation	1	1	0.068348	3.69201445
GO	hemopoietic stem cell proliferation	1	1	0.068348	3.69201445
GO	positive regulation of type I hypersensitivity	1	1	0.068348	3.69201445
GO	pancreatic D cell differentiation	1	1	0.068348	3.69201445
GO	pancreatic E cell differentiation	1	1	0.068348	3.69201445
GO	cytoskeleton-dependent intracellular transport	1	1	0.068348	3.69201445
GO	latrotoxin receptor activity	1	1	0.068348	3.69201445
GO	low-density lipoprotein receptor catabolic process	1	1	0.068348	3.69201445
GO	glutamate catabolic process	1	1	0.068348	3.69201445
GO	protein-pyridoxal-5-phosphate linkage	1	1	0.068348	3.69201445
GO	exocrine system development	1	1	0.068348	3.69201445
GO	intrinsic to plasma membrane	1	1	0.068348	3.69201445
GO	racemase and epimerase activity, acting on carbohydrates and derivat	1	1	0.068348	3.69201445

GO	UDP-glucuronate 5'-epimerase activity	1	1	0.068348	3.69201445
GO	vitamin transporter activity	1	1	0.068348	3.69201445
GO	vitamin transport	1	1	0.068348	3.69201445
GO	FADH2 metabolic process	1	1	0.068348	3.69201445
GO	intracellular pH elevation	1	1	0.068348	3.69201445
GO	(alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetyl-galactosa	1	1	0.068348	3.69201445
GO	anterior semicircular canal development	1	1	0.068348	3.69201445
GO	lateral semicircular canal development	1	1	0.068348	3.69201445
GO	pallium development	1	1	0.068348	3.69201445
GO	ferritin receptor activity	1	1	0.068348	3.69201445
GO	iron ion transmembrane transport	1	1	0.068348	3.69201445
GO	negative regulation of interleukin-10 biosynthetic process	1	1	0.068348	3.69201445
GO	histidine ammonia-lyase activity	1	1	0.068348	3.69201445
GO	radial spoke	1	1	0.068348	3.69201445
GO	glycolate metabolic process	1	1	0.068348	3.69201445
GO	muscle hypertrophy	1	1	0.068348	3.69201445
GO	myotube cell development	1	1	0.068348	3.69201445
GO	satellite cell maintenance involved in skeletal muscle regeneration	1	1	0.068348	3.69201445
GO	intussusceptive angiogenesis	1	1	0.068348	3.69201445
GO	butyryl-CoA dehydrogenase activity	1	1	0.068348	3.69201445
GO	glucagon secretion	1	1	0.068348	3.69201445
GO	positive regulation of B cell activation	1	1	0.068348	3.69201445
GO	ciliary neurotrophic factor binding	1	1	0.068348	3.69201445
GO	positive regulation of activation of Janus kinase activity	1	1	0.068348	3.69201445
GO	carbon dioxide transmembrane transporter activity	1	1	0.068348	3.69201445
GO	carbon dioxide transmembrane transport	1	1	0.068348	3.69201445
GO	cellular hyperosmotic response	1	1	0.068348	3.69201445
GO	cellular response to inorganic substance	1	1	0.068348	3.69201445
GO	cellular response to mechanical stimulus	1	1	0.068348	3.69201445
GO	cellular response to nitric oxide	1	1	0.068348	3.69201445
GO	cellular response to salt stress	1	1	0.068348	3.69201445
GO	establishment or maintenance of actin cytoskeleton polarity	1	1	0.068348	3.69201445
GO	maintenance of symbiont-containing vacuole via substance secreted b	1	1	0.068348	3.69201445
GO	nitric oxide transmembrane transporter activity	1	1	0.068348	3.69201445
GO	symbiont-containing vacuole membrane	1	1	0.068348	3.69201445
GO	transepithelial water transport	1	1	0.068348	3.69201445
GO	insulin receptor activity	1	1	0.068348	3.69201445
GO	positive regulation of developmental growth	1	1	0.068348	3.69201445
GO	transformation of host cell by virus	1	1	0.068348	3.69201445
GO	leading edge cell differentiation	1	1	0.068348	3.69201445
GO	regulation of synaptic growth at neuromuscular junction	1	1	0.068348	3.69201445
GO	stem cell factor receptor activity	1	1	0.068348	3.69201445
GO	GMP binding	1	1	0.068348	3.69201445
GO	laminin-5 complex	1	1	0.068348	3.69201445
GO	morphogenesis of a polarized epithelium	1	1	0.068348	3.69201445
GO	axon extension involved in regeneration	1	1	0.068348	3.69201445
GO	positive regulation of phospholipase activity	1	1	0.068348	3.69201445
GO	cellular response to vitamin A	1	1	0.068348	3.69201445
GO	steryl-sulfatase activity	1	1	0.068348	3.69201445

GO	mannosidase activity	1	1	0.068348	3.69201445
GO	protein channel activity	1	1	0.068348	3.69201445
GO	inner acrosomal membrane	1	1	0.068348	3.69201445
GO	G0 to G1 transition	1	1	0.068348	3.69201445
GO	double-stranded methylated DNA binding	1	1	0.068348	3.69201445
GO	positive regulation of myeloid leukocyte differentiation	1	1	0.068348	3.69201445
GO	cellular response to magnetism	1	1	0.068348	3.69201445
GO	lung epithelial cell differentiation	1	1	0.068348	3.69201445
GO	neuroblast fate determination	1	1	0.068348	3.69201445
GO	noradrenergic neuron fate commitment	1	1	0.068348	3.69201445
GO	oligodendrocyte cell fate commitment	1	1	0.068348	3.69201445
GO	regulation of timing of subpallium neuron differentiation	1	1	0.068348	3.69201445
GO	response to epidermal growth factor stimulus	1	1	0.068348	3.69201445
GO	methylenetetrahydrofolate reductase (NADPH) activity	1	1	0.068348	3.69201445
GO	nitrilase activity	1	1	0.068348	3.69201445
GO	aortic valve morphogenesis	1	1	0.068348	3.69201445
GO	endocardium morphogenesis	1	1	0.068348	3.69201445
GO	foregut morphogenesis	1	1	0.068348	3.69201445
GO	regulation of epithelial cell proliferation involved in prostate gland dev	1	1	0.068348	3.69201445
GO	regulation of somitogenesis	1	1	0.068348	3.69201445
GO	generation of ovulation cycle rhythm	1	1	0.068348	3.69201445
GO	2'-5'-oligoadenylate synthetase activity	1	1	0.068348	3.69201445
GO	relaxation of cardiac muscle	1	1	0.068348	3.69201445
GO	protein amino acid hydroxylation	1	1	0.068348	3.69201445
GO	tetrahydrobiopterin metabolic process	1	1	0.068348	3.69201445
GO	tyrosine biosynthetic process	1	1	0.068348	3.69201445
GO	interleukin-20 receptor binding	1	1	0.068348	3.69201445
GO	positive regulation of epidermal cell differentiation	1	1	0.068348	3.69201445
GO	peptidylamidoglycolate lyase activity	1	1	0.068348	3.69201445
GO	peptidylglycine monooxygenase activity	1	1	0.068348	3.69201445
GO	carbohydrate response element binding	1	1	0.068348	3.69201445
GO	glucose mediated signaling pathway	1	1	0.068348	3.69201445
GO	negative regulation of oxidative phosphorylation	1	1	0.068348	3.69201445
GO	spot adherens junction	1	1	0.068348	3.69201445
GO	1-phosphatidylinositol-4-phosphate 3-kinase, class IA complex	1	1	0.068348	3.69201445
GO	branchiomic skeletal muscle development	1	1	0.068348	3.69201445
GO	hydroxylysine biosynthetic process	1	1	0.068348	3.69201445
GO	granule cell precursor tangential migration	1	1	0.068348	3.69201445
GO	melanin-concentrating hormone activity	1	1	0.068348	3.69201445
GO	type 1 melanin-concentrating hormone receptor binding	1	1	0.068348	3.69201445
GO	negative regulation of translation in response to oxidative stress	1	1	0.068348	3.69201445
GO	negative regulation of calcium-dependent cell-cell adhesion	1	1	0.068348	3.69201445
GO	lactosylceramide 4-alpha-galactosyltransferase activity	1	1	0.068348	3.69201445
GO	thyroid stimulating hormone secreting cell differentiation	1	1	0.068348	3.69201445
GO	cell fate commitment involved in the formation of primary germ layer:	1	1	0.068348	3.69201445
GO	positive regulation of catenin protein nuclear translocation	1	1	0.068348	3.69201445
GO	regulation of canonical Wnt receptor signaling pathway involved in he	1	1	0.068348	3.69201445
GO	regulation of methylation-dependent chromatin silencing	1	1	0.068348	3.69201445
GO	RNA 5'-end processing	1	1	0.068348	3.69201445

GO sphingoid biosynthetic process	1	1	0.068348	3.69201445
GO alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase activity	1	1	0.068348	3.69201445
GO barrier septum formation	1	1	0.068348	3.69201445
GO unidimensional cell growth	1	1	0.068348	3.69201445
GO inorganic diphosphate transmembrane transporter activity	1	1	0.068348	3.69201445
GO asymmetric cell division	1	1	0.068348	3.69201445
GO negative regulation of complement activation	1	1	0.068348	3.69201445
GO glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase activ	1	1	0.068348	3.69201445
GO neuromedin U binding	1	1	0.068348	3.69201445
GO columnar/cuboidal epithelial cell development	1	1	0.068348	3.69201445
GO negative regulation of calcium ion transport via store-operated calciur	1	1	0.068348	3.69201445
GO flavin-linked sulfhydryl oxidase activity	1	1	0.068348	3.69201445
GO regulation of mast cell activation	1	1	0.068348	3.69201445
GO cytotoxic T cell degranulation	1	1	0.068348	3.69201445
GO retinol transporter activity	1	1	0.068348	3.69201445
GO retinol transport	1	1	0.068348	3.69201445
GO spermatogonial cell division	1	1	0.068348	3.69201445
GO response to cGMP	1	1	0.068348	3.69201445
GO regulation of germinal center formation	1	1	0.068348	3.69201445
GO regulation of memory T cell differentiation	1	1	0.068348	3.69201445
GO complement binding	1	1	0.068348	3.69201445
GO regulation of mitochondrion organization	1	1	0.068348	3.69201445
GO activation of immune response	1	1	0.068348	3.69201445
GO cytokine production involved in immune response	1	1	0.068348	3.69201445
GO detection of muramyl dipeptide	1	1	0.068348	3.69201445
GO immunoglobulin production during immune response	1	1	0.068348	3.69201445
GO macrophage inflammatory protein-1 alpha production	1	1	0.068348	3.69201445
GO muramyl dipeptide binding	1	1	0.068348	3.69201445
GO negative regulation of interleukin-18 production	1	1	0.068348	3.69201445
GO negative regulation of toll-like receptor 2 signaling pathway	1	1	0.068348	3.69201445
GO glutamate:sodium symporter activity	1	1	0.068348	3.69201445
GO branch elongation involved in ureteric bud branching	1	1	0.068348	3.69201445
GO bronchus development	1	1	0.068348	3.69201445
GO bud dilation involved in lung branching	1	1	0.068348	3.69201445
GO epithelial cell proliferation involved in lung morphogenesis	1	1	0.068348	3.69201445
GO intermediate mesodermal cell differentiation	1	1	0.068348	3.69201445
GO mammary gland formation	1	1	0.068348	3.69201445
GO negative regulation of branching involved in ureteric bud morphogene	1	1	0.068348	3.69201445
GO negative regulation of glomerulus development	1	1	0.068348	3.69201445
GO trachea formation	1	1	0.068348	3.69201445
GO creatine transporter activity	1	1	0.068348	3.69201445
GO creatine transport	1	1	0.068348	3.69201445
GO creatine:sodium symporter activity	1	1	0.068348	3.69201445
GO channel inhibitor activity	1	1	0.068348	3.69201445
GO negative regulation of amino acid transport	1	1	0.068348	3.69201445
GO oligopeptide transporter activity	1	1	0.068348	3.69201445
GO antibiotic transporter activity	1	1	0.068348	3.69201445
GO antibiotic transport	1	1	0.068348	3.69201445
GO dipeptide transporter activity	1	1	0.068348	3.69201445

GO dipeptide transport	1	1	0.068348	3.69201445
GO high affinity oligopeptide transporter activity	1	1	0.068348	3.69201445
GO negative regulation of dopamine uptake	1	1	0.068348	3.69201445
GO negative regulation of monooxygenase activity	1	1	0.068348	3.69201445
GO negative regulation of norepinephrine uptake	1	1	0.068348	3.69201445
GO negative regulation of serotonin uptake	1	1	0.068348	3.69201445
GO negative regulation of thrombin receptor signaling pathway	1	1	0.068348	3.69201445
GO neutral lipid metabolic process	1	1	0.068348	3.69201445
GO phospholipase D inhibitor activity	1	1	0.068348	3.69201445
GO regulation of acyl-CoA biosynthetic process	1	1	0.068348	3.69201445
GO regulation of phospholipase activity	1	1	0.068348	3.69201445
GO regulation of synaptic vesicle priming	1	1	0.068348	3.69201445
GO thromboxane-A synthase activity	1	1	0.068348	3.69201445
GO respiratory burst involved in inflammatory response	1	1	0.068348	3.69201445
GO radial pattern formation	1	1	0.068348	3.69201445
GO definitive erythrocyte differentiation	1	1	0.068348	3.69201445
GO response to luteinizing hormone stimulus	1	1	0.068348	3.69201445
GO transforming growth factor beta receptor activity, type III	1	1	0.068348	3.69201445
GO cellular response to bacterial lipopeptide	1	1	0.068348	3.69201445
GO chloramphenicol transport	1	1	0.068348	3.69201445
GO triacylated lipopeptide binding	1	1	0.068348	3.69201445
GO detection of virus	1	1	0.068348	3.69201445
GO detection of fungus	1	1	0.068348	3.69201445
GO innate immune response-activating signal transduction	1	1	0.068348	3.69201445
GO intestinal epithelial structure maintenance	1	1	0.068348	3.69201445
GO negative regulation of interleukin-17 production	1	1	0.068348	3.69201445
GO negative regulation of interleukin-23 production	1	1	0.068348	3.69201445
GO positive regulation of interleukin-1 production	1	1	0.068348	3.69201445
GO positive regulation of nucleotide-binding oligomerization domain cont	1	1	0.068348	3.69201445
GO positive regulation of nucleotide-binding oligomerization domain cont	1	1	0.068348	3.69201445
GO production of nitric oxide involved in inflammatory response	1	1	0.068348	3.69201445
GO positive regulation of type IIa hypersensitivity	1	1	0.068348	3.69201445
GO ionotropic glutamate receptor complex	1	1	0.068348	3.69201445
GO negative regulation of mesenchymal cell proliferation	1	1	0.068348	3.69201445
GO positive regulation of cytokine secretion during immune response	1	1	0.068348	3.69201445
GO receptor tyrosine kinase-like orphan receptor binding	1	1	0.068348	3.69201445
GO positive regulation of nuclear-transcribed mRNA poly(A) tail shortenin	1	1	0.068348	3.69201445
GO negative regulation of nuclease activity	1	1	0.068348	3.69201445
GO oxidoreductase activity, acting on the CH-OH group of donors, quinon	1	1	0.068348	3.69201445
GO calcitonin binding	1	1	0.068348	3.69201445
GO semicircular canal morphogenesis	1	1	0.068348	3.69201445
GO vestibular reflex	1	1	0.068348	3.69201445
GO hydroxypyruvate isomerase activity	1	1	0.068348	3.69201445
GO calcium-dependent cysteine-type endopeptidase inhibitor activity	1	1	0.068348	3.69201445
GO CMP-N-acetylneuraminate monooxygenase activity	1	1	0.068348	3.69201445
GO patched ligand maturation	1	1	0.068348	3.69201445
GO negative regulation of skeletal muscle tissue development	1	1	0.068348	3.69201445
GO ribonuclease T2 activity	1	1	0.068348	3.69201445
GO BMP signaling pathway involved in spinal cord dorsal/ventral patternir	1	1	0.068348	3.69201445

GO floor plate development	1	1	0.068348	3.69201445
GO galactosylgalactosylglucosylceramide beta-D-acetylgalactosaminyltran	1	1	0.068348	3.69201445
GO positive regulation of protein oligomerization	1	1	0.068348	3.69201445
GO phosphatidic acid binding	1	1	0.068348	3.69201445
GO negative regulation of Golgi to plasma membrane protein transport	1	1	0.068348	3.69201445
GO trans-Golgi network transport vesicle membrane	1	1	0.068348	3.69201445
GO pyruvate secondary active transmembrane transporter activity	1	1	0.068348	3.69201445
GO pyruvate transport	1	1	0.068348	3.69201445
GO opsonin receptor activity	1	1	0.068348	3.69201445
GO nicotinate phosphoribosyltransferase activity	1	1	0.068348	3.69201445
GO phosphorus-oxygen lyase activity	1	1	0.068348	3.69201445
GO glucose 1-dehydrogenase activity	1	1	0.068348	3.69201445
GO guanine deaminase activity	1	1	0.068348	3.69201445
GO detection of hormone stimulus	1	1	0.068348	3.69201445
GO glycoprotein transporter activity	1	1	0.068348	3.69201445
GO glycoprotein transport	1	1	0.068348	3.69201445
GO regulation of cholesterol esterification	1	1	0.068348	3.69201445
GO sterol-transporting ATPase activity	1	1	0.068348	3.69201445
GO regulation of striated muscle cell differentiation	1	1	0.068348	3.69201445
GO rhombomere 6 development	1	1	0.068348	3.69201445
GO cytokine metabolic process	1	1	0.068348	3.69201445
GO meiotic cohesin complex	1	1	0.068348	3.69201445
GO positive regulation of I-kappaB kinase/NF-kappaB cascade	12	109	0.068635	1.73201304
GO cell cortex	9	75	0.069117	1.77612679
GO calcium-mediated signaling	5	33	0.071416	1.89488958
GO learning or memory	5	33	0.071416	1.89488958
GO lipid metabolic process	20	206	0.071456	1.64352049
GO chloride channel complex	7	54	0.073533	1.7870745
GO oxidation reduction	44	515	0.074186	1.5580508
GO ubiquitin protein ligase binding	6	44	0.077226	1.78993003
GO drug binding	6	44	0.077226	1.78993003
GO hydrolase activity, acting on glycosyl bonds	6	44	0.077226	1.78993003
GO response to interleukin-1	4	24	0.077361	1.90991387
GO defense response to Gram-positive bacterium	4	24	0.077361	1.90991387
GO response to metal ion	2	7	0.077889	2.27939317
GO positive regulation of ossification	2	7	0.077889	2.27939317
GO chitin catabolic process	2	7	0.077889	2.27939317
GO chitinase activity	2	7	0.077889	2.27939317
GO retinoic acid binding	2	7	0.077889	2.27939317
GO axon regeneration	2	7	0.077889	2.27939317
GO fibril organization	2	7	0.077889	2.27939317
GO dopamine binding	2	7	0.077889	2.27939317
GO negative regulation of peptidyl-serine phosphorylation	2	7	0.077889	2.27939317
GO exogenous drug catabolic process	2	7	0.077889	2.27939317
GO negative regulation of cAMP biosynthetic process	2	7	0.077889	2.27939317
GO smooth muscle cell differentiation	2	7	0.077889	2.27939317
GO detection of light stimulus involved in visual perception	2	7	0.077889	2.27939317
GO bHLH transcription factor binding	2	7	0.077889	2.27939317
GO embryonic process involved in female pregnancy	2	7	0.077889	2.27939317

GO	central nervous system neuron development	2	7	0.077889	2.27939317
GO	negative regulation of T cell receptor signaling pathway	2	7	0.077889	2.27939317
GO	cellular homeostasis	2	7	0.077889	2.27939317
GO	pancreatic juice secretion	2	7	0.077889	2.27939317
GO	positive regulation of interleukin-12 biosynthetic process	2	7	0.077889	2.27939317
GO	wound healing, spreading of epidermal cells	2	7	0.077889	2.27939317
GO	positive regulation of Notch signaling pathway	2	7	0.077889	2.27939317
GO	response to selenium ion	2	7	0.077889	2.27939317
GO	negative regulation of myoblast differentiation	2	7	0.077889	2.27939317
GO	negative regulation of synaptic transmission, GABAergic	2	7	0.077889	2.27939317
GO	aggresome	2	7	0.077889	2.27939317
GO	3',5'-cyclic-GMP phosphodiesterase activity	2	7	0.077889	2.27939317
GO	phototransduction, visible light	2	7	0.077889	2.27939317
GO	chromatoid body	2	7	0.077889	2.27939317
GO	CARD domain binding	2	7	0.077889	2.27939317
GO	negative regulation of interferon-gamma production	2	7	0.077889	2.27939317
GO	hyperosmotic response	2	7	0.077889	2.27939317
GO	positive regulation of chemokine biosynthetic process	2	7	0.077889	2.27939317
GO	positive regulation of interferon-beta biosynthetic process	2	7	0.077889	2.27939317
GO	regulation of mRNA stability	2	7	0.077889	2.27939317
GO	transmembrane receptor protein serine/threonine kinase activity	2	7	0.077889	2.27939317
GO	response to biotic stimulus	3	15	0.078221	2.0213543
GO	water transport	3	15	0.078221	2.0213543
GO	cellular response to heat	3	15	0.078221	2.0213543
GO	positive regulation of phagocytosis	3	15	0.078221	2.0213543
GO	response to vitamin D	3	15	0.078221	2.0213543
GO	polysome	3	15	0.078221	2.0213543
GO	phosphatidylinositol-4,5-bisphosphate binding	3	15	0.078221	2.0213543
GO	extrinsic to membrane	5	34	0.07924	1.82037319
GO	perikaryon	5	34	0.07924	1.82037319
GO	lipid transport	8	66	0.079814	1.70484899
GO	anatomical structure morphogenesis	11	101	0.083773	1.6197354
GO	glucose homeostasis	6	45	0.084217	1.72955338
GO	GTPase activity	19	198	0.084525	1.54773173
GO	epidermal growth factor receptor signaling pathway	4	25	0.087341	1.81716987
GO	mammary gland development	4	25	0.087341	1.81716987
GO	skeletal system morphogenesis	4	25	0.087341	1.81716987
GO	feeding behavior	4	25	0.087341	1.81716987
GO	positive regulation of B cell proliferation	4	25	0.087341	1.81716987
GO	positive regulation of protein amino acid phosphorylation	5	35	0.087503	1.74840286
GO	steroid metabolic process	8	68	0.091405	1.61387119
GO	regulation of small GTPase mediated signal transduction	6	46	0.091545	1.67071297
GO	carbonate dehydratase activity	3	16	0.091572	1.88947898
GO	glycosaminoglycan binding	3	16	0.091572	1.88947898
GO	negative regulation of blood pressure	3	16	0.091572	1.88947898
GO	antigen binding	3	16	0.091572	1.88947898
GO	neurogenesis	3	16	0.091572	1.88947898
GO	carbohydrate binding	3	16	0.091572	1.88947898
GO	gap junction	3	16	0.091572	1.88947898

GO neuron fate commitment	3	16	0.091572	1.88947898
GO negative regulation of protein amino acid phosphorylation	3	16	0.091572	1.88947898
GO negative regulation of endothelial cell proliferation	3	16	0.091572	1.88947898
GO regulation of cell growth	7	57	0.092377	1.63176254
GO liver development	7	57	0.092377	1.63176254
GO ion channel activity	15	151	0.092713	1.5150815
GO calcium ion binding	50	605	0.093517	1.41623362
GO skeletal muscle tissue development	5	36	0.096195	1.67880982
GO ovarian follicle development	5	36	0.096195	1.67880982
GO insulin receptor signaling pathway	5	36	0.096195	1.67880982
GO extracellular matrix structural constituent	8	69	0.097545	1.56951049
GO negative regulation of apoptosis	14	140	0.097659	1.48959411
GO cell differentiation	40	474	0.097833	1.40146099
GO cellular response to hormone stimulus	4	26	0.097908	1.72877463
GO branching involved in ureteric bud morphogenesis	4	26	0.097908	1.72877463
GO negative regulation of epithelial cell proliferation	4	26	0.097908	1.72877463
GO chloride channel activity	7	58	0.099204	1.5820587
GO oxidoreductase activity, acting on single donors with incorporation of	7	58	0.099204	1.5820587
GO UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransfera	2	8	0.099269	2.03645393
GO phosphate transport	2	8	0.099269	2.03645393
GO regulation of calcium ion-dependent exocytosis	2	8	0.099269	2.03645393
GO secretory granule membrane	2	8	0.099269	2.03645393
GO embryonic viscerocranium morphogenesis	2	8	0.099269	2.03645393
GO behavioral response to cocaine	2	8	0.099269	2.03645393
GO positive regulation of neuroblast proliferation	2	8	0.099269	2.03645393
GO regulation of heart rate	2	8	0.099269	2.03645393
GO regulation of sodium ion transport	2	8	0.099269	2.03645393
GO phosphoinositide 3-kinase cascade	2	8	0.099269	2.03645393
GO cellular response to hydrogen peroxide	2	8	0.099269	2.03645393
GO histone acetyltransferase complex	2	8	0.099269	2.03645393
GO negative regulation of programmed cell death	2	8	0.099269	2.03645393
GO protein autoprocessing	2	8	0.099269	2.03645393
GO positive regulation of chondrocyte differentiation	2	8	0.099269	2.03645393
GO positive regulation of leukocyte chemotaxis	2	8	0.099269	2.03645393
GO regulation of embryonic development	2	8	0.099269	2.03645393
GO positive regulation of leukocyte migration	2	8	0.099269	2.03645393
GO mannosyl-oligosaccharide 1,2-alpha-mannosidase activity	2	8	0.099269	2.03645393
GO glycosphingolipid biosynthetic process	2	8	0.099269	2.03645393
GO glycerophosphodiester phosphodiesterase activity	2	8	0.099269	2.03645393
GO phosphatidylinositol-3-phosphate binding	2	8	0.099269	2.03645393
GO mesonephros development	2	8	0.099269	2.03645393
GO peptidoglycan binding	2	8	0.099269	2.03645393
GO positive regulation of endocytosis	2	8	0.099269	2.03645393
GO regulation of dopamine secretion	2	8	0.099269	2.03645393
GO syntaxin-1 binding	2	8	0.099269	2.03645393
GO cobalamin binding	2	8	0.099269	2.03645393
GO negative regulation of endothelial cell migration	2	8	0.099269	2.03645393
GO calcium channel complex	2	8	0.099269	2.03645393
GO protein amino acid phosphorylation	41	488	0.099532	1.38957171

GO	endoplasmic reticulum	70	880	0.102142	1.34789252
GO	heparin binding	11	105	0.103256	1.48273034
GO	response to ethanol	8	70	0.103912	1.52586823
GO	oxygen binding	5	37	0.105307	1.61144096
GO	positive regulation of pathway-restricted SMAD protein phosphorylati	3	17	0.105788	1.76739253
GO	aspartic-type endopeptidase activity	3	17	0.105788	1.76739253
GO	sphingolipid metabolic process	3	17	0.105788	1.76739253
GO	social behavior	3	17	0.105788	1.76739253
GO	actin filament capping	3	17	0.105788	1.76739253
GO	negative regulation of osteoblast differentiation	3	17	0.105788	1.76739253
GO	transcription corepressor activity	14	142	0.106427	1.4335163
GO	negative regulation of signal transduction	6	48	0.107195	1.55733646
GO	adherens junction	4	27	0.109039	1.64434121
GO	endocytic vesicle	4	27	0.109039	1.64434121
GO	positive regulation of fibroblast proliferation	4	27	0.109039	1.64434121
GO	SH2 domain binding	4	27	0.109039	1.64434121
GO	transmembrane receptor protein tyrosine kinase signaling pathway	8	71	0.110505	1.48292065
GO	GTPase activator activity	15	156	0.113798	1.3819275
GO	positive regulation of angiogenesis	5	38	0.114827	1.54615705
GO	digestion	6	49	0.115504	1.5026615
GO	phospholipid binding	6	49	0.115504	1.5026615
GO	tight junction	8	72	0.11732	1.44064511
GO	actin filament organization	4	28	0.120707	1.5635304
GO	memory	4	28	0.120707	1.5635304
GO	positive regulation of DNA replication	4	28	0.120707	1.5635304
GO	sensory perception of pain	4	28	0.120707	1.5635304
GO	beta-amyloid binding	3	18	0.1208	1.65377237
GO	cornified envelope	3	18	0.1208	1.65377237
GO	integral to membrane of membrane fraction	3	18	0.1208	1.65377237
GO	establishment or maintenance of cell polarity	3	18	0.1208	1.65377237
GO	polypeptide N-acetylgalactosaminyltransferase activity	3	18	0.1208	1.65377237
GO	inner ear development	3	18	0.1208	1.65377237
GO	inward rectifier potassium channel activity	3	18	0.1208	1.65377237
GO	cytoskeleton organization	7	61	0.121282	1.43858443
GO	axonogenesis	7	61	0.121282	1.43858443
GO	NADPH oxidase complex	2	9	0.122036	1.82973378
GO	intracellular part	2	9	0.122036	1.82973378
GO	negative regulation of interleukin-6 production	2	9	0.122036	1.82973378
GO	negative regulation of protein catabolic process	2	9	0.122036	1.82973378
GO	embryonic foregut morphogenesis	2	9	0.122036	1.82973378
GO	retinal binding	2	9	0.122036	1.82973378
GO	respiratory burst	2	9	0.122036	1.82973378
GO	associative learning	2	9	0.122036	1.82973378
GO	phosphoinositide metabolic process	2	9	0.122036	1.82973378
GO	low-density lipoprotein particle remodeling	2	9	0.122036	1.82973378
GO	telencephalon development	2	9	0.122036	1.82973378
GO	fucosyltransferase activity	2	9	0.122036	1.82973378
GO	detection of calcium ion	2	9	0.122036	1.82973378
GO	regulation of MAPKKK cascade	2	9	0.122036	1.82973378

GO phospholipase binding	2	9	0.122036	1.82973378
GO neuropeptide Y receptor activity	2	9	0.122036	1.82973378
GO calcium-transporting ATPase activity	2	9	0.122036	1.82973378
GO ATP hydrolysis coupled proton transport	2	9	0.122036	1.82973378
GO GTP biosynthetic process	2	9	0.122036	1.82973378
GO nucleoside diphosphate kinase activity	2	9	0.122036	1.82973378
GO UTP biosynthetic process	2	9	0.122036	1.82973378
GO lipopolysaccharide binding	2	9	0.122036	1.82973378
GO M band	2	9	0.122036	1.82973378
GO male meiosis I	2	9	0.122036	1.82973378
GO RNA polymerase II transcription factor activity, enhancer binding	5	39	0.12474	1.48283112
GO peptidase inhibitor activity	9	85	0.125678	1.37438654
GO Golgi apparatus	62	784	0.127321	1.21632917
GO embryonic axis specification	1	2	0.132028	2.41918886
GO coreceptor, soluble ligand activity	1	2	0.132028	2.41918886
GO mast cell activation	1	2	0.132028	2.41918886
GO endoplasmic reticulum Sec complex	1	2	0.132028	2.41918886
GO iodide transport	1	2	0.132028	2.41918886
GO superoxide-generating NADPH oxidase activator activity	1	2	0.132028	2.41918886
GO positive regulation of gluconeogenesis	1	2	0.132028	2.41918886
GO prenylated protein tyrosine phosphatase activity	1	2	0.132028	2.41918886
GO negative regulation of axon regeneration	1	2	0.132028	2.41918886
GO negative regulation of protein complex disassembly	1	2	0.132028	2.41918886
GO negative regulation of toll-like receptor signaling pathway	1	2	0.132028	2.41918886
GO heme transport	1	2	0.132028	2.41918886
GO chloride channel regulator activity	1	2	0.132028	2.41918886
GO acyl carnitine transporter activity	1	2	0.132028	2.41918886
GO myosin II complex	1	2	0.132028	2.41918886
GO insulin processing	1	2	0.132028	2.41918886
GO anion homeostasis	1	2	0.132028	2.41918886
GO response to oleic acid	1	2	0.132028	2.41918886
GO complement receptor activity	1	2	0.132028	2.41918886
GO macrophage colony stimulating factor receptor binding	1	2	0.132028	2.41918886
GO positive regulation of odontogenesis of dentine-containing tooth	1	2	0.132028	2.41918886
GO heat generation	1	2	0.132028	2.41918886
GO negative regulation of smooth muscle contraction	1	2	0.132028	2.41918886
GO positive regulation of skeletal muscle tissue growth	1	2	0.132028	2.41918886
GO vasodilation by norepinephrine-epinephrine involved in regulation of s	1	2	0.132028	2.41918886
GO (S)-limonene 6-monooxygenase activity	1	2	0.132028	2.41918886
GO (S)-limonene 7-monooxygenase activity	1	2	0.132028	2.41918886
GO 4-hydroxyacetophenone monooxygenase activity	1	2	0.132028	2.41918886
GO monocarboxylic acid metabolic process	1	2	0.132028	2.41918886
GO primary lung bud formation	1	2	0.132028	2.41918886
GO retinoic acid biosynthetic process	1	2	0.132028	2.41918886
GO alkaloid catabolic process	1	2	0.132028	2.41918886
GO ceramide cholinephosphotransferase activity	1	2	0.132028	2.41918886
GO sphingomyelin synthase activity	1	2	0.132028	2.41918886
GO transferrin transport	1	2	0.132028	2.41918886
GO negative regulation of dopamine receptor signaling pathway	1	2	0.132028	2.41918886

GO	neurological system process involved in regulation of systemic arterial	1	2	0.132028	2.41918886
GO	positive regulation of sodium:hydrogen antiporter activity	1	2	0.132028	2.41918886
GO	acetyltransferase activator activity	1	2	0.132028	2.41918886
GO	brain renin-angiotensin system	1	2	0.132028	2.41918886
GO	positive regulation of NAD(P)H oxidase activity	1	2	0.132028	2.41918886
GO	regulation of blood vessel size by renin-angiotensin	1	2	0.132028	2.41918886
GO	regulation of renal output by angiotensin	1	2	0.132028	2.41918886
GO	renin-angiotensin regulation of aldosterone production	1	2	0.132028	2.41918886
GO	smooth muscle cell proliferation	1	2	0.132028	2.41918886
GO	positive regulation of prostaglandin-endoperoxidase synthase activity	1	2	0.132028	2.41918886
GO	rhythmic excitation	1	2	0.132028	2.41918886
GO	beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,3-N-acetylglucosam	1	2	0.132028	2.41918886
GO	cellular response to heparin	1	2	0.132028	2.41918886
GO	cellular response to mycophenolic acid	1	2	0.132028	2.41918886
GO	rhythmic behavior	1	2	0.132028	2.41918886
GO	notochord formation	1	2	0.132028	2.41918886
GO	protein-DNA complex assembly	1	2	0.132028	2.41918886
GO	cellular protein catabolic process	1	2	0.132028	2.41918886
GO	glutamate uptake involved in synaptic transmission	1	2	0.132028	2.41918886
GO	negative regulation of transferase activity	1	2	0.132028	2.41918886
GO	response to interleukin-15	1	2	0.132028	2.41918886
GO	IgE receptor activity	1	2	0.132028	2.41918886
GO	pancreatic A cell differentiation	1	2	0.132028	2.41918886
GO	pancreatic B cell differentiation	1	2	0.132028	2.41918886
GO	dolichol kinase activity	1	2	0.132028	2.41918886
GO	lacrimial gland development	1	2	0.132028	2.41918886
GO	paraxial mesodermal cell fate commitment	1	2	0.132028	2.41918886
GO	arachidonate 5-lipoxygenase activity	1	2	0.132028	2.41918886
GO	alpha-L-fucosidase activity	1	2	0.132028	2.41918886
GO	negative regulation of receptor recycling	1	2	0.132028	2.41918886
GO	glutamate decarboxylation to succinate	1	2	0.132028	2.41918886
GO	negative regulation of amyloid precursor protein biosynthetic process	1	2	0.132028	2.41918886
GO	glucagon receptor activity	1	2	0.132028	2.41918886
GO	forebrain neuron fate commitment	1	2	0.132028	2.41918886
GO	hydrogen peroxide metabolic process	1	2	0.132028	2.41918886
GO	positive regulation of integrin biosynthetic process	1	2	0.132028	2.41918886
GO	voltage-gated proton channel activity	1	2	0.132028	2.41918886
GO	glycolipid metabolic process	1	2	0.132028	2.41918886
GO	purine nucleotide metabolic process	1	2	0.132028	2.41918886
GO	glutaminase activity	1	2	0.132028	2.41918886
GO	C5a anaphylatoxin receptor activity	1	2	0.132028	2.41918886
GO	artery development	1	2	0.132028	2.41918886
GO	smoothened signaling pathway involved in spinal cord motor neuron c	1	2	0.132028	2.41918886
GO	smoothened signaling pathway involved in ventral spinal cord interneu	1	2	0.132028	2.41918886
GO	DNA nucleotidylexotransferase activity	1	2	0.132028	2.41918886
GO	glutamate-ammonia ligase activity	1	2	0.132028	2.41918886
GO	glutamine biosynthetic process	1	2	0.132028	2.41918886
GO	voluntary musculoskeletal movement	1	2	0.132028	2.41918886
GO	Pyrin domain binding	1	2	0.132028	2.41918886

GO cytokinesis, completion of separation	1	2	0.132028	2.41918886
GO aldehyde oxidase activity	1	2	0.132028	2.41918886
GO xanthine dehydrogenase activity	1	2	0.132028	2.41918886
GO epithelial-mesenchymal signaling involved in prostate gland developm	1	2	0.132028	2.41918886
GO 20-alpha-hydroxysteroid dehydrogenase activity	1	2	0.132028	2.41918886
GO hyaluronan catabolic process	1	2	0.132028	2.41918886
GO hormone secretion	1	2	0.132028	2.41918886
GO cilium movement	1	2	0.132028	2.41918886
GO regulation of steroid hormone receptor signaling pathway	1	2	0.132028	2.41918886
GO Type I pneumocyte differentiation	1	2	0.132028	2.41918886
GO protein tyrosine phosphatase activator activity	1	2	0.132028	2.41918886
GO interleukin-2 binding	1	2	0.132028	2.41918886
GO interleukin-4 receptor activity	1	2	0.132028	2.41918886
GO interleukin-7 receptor activity	1	2	0.132028	2.41918886
GO neutrophil apoptosis	1	2	0.132028	2.41918886
GO regulation of vascular endothelial growth factor production	1	2	0.132028	2.41918886
GO interleukin-6 binding	1	2	0.132028	2.41918886
GO interleukin-6 receptor activity	1	2	0.132028	2.41918886
GO cellular response to copper ion	1	2	0.132028	2.41918886
GO cellular response to mercury ion	1	2	0.132028	2.41918886
GO cerebrospinal fluid secretion	1	2	0.132028	2.41918886
GO glycerol transmembrane transporter activity	1	2	0.132028	2.41918886
GO intracellular cGMP activated cation channel activity	1	2	0.132028	2.41918886
GO positive regulation of saliva secretion	1	2	0.132028	2.41918886
GO renal water transport	1	2	0.132028	2.41918886
GO interleukin-10 receptor activity	1	2	0.132028	2.41918886
GO 3-phosphoinositide-dependent protein kinase binding	1	2	0.132028	2.41918886
GO positive regulation of respiratory burst	1	2	0.132028	2.41918886
GO ganglioside metabolic process	1	2	0.132028	2.41918886
GO cellular response to potassium ion starvation	1	2	0.132028	2.41918886
GO acetylcholine receptor regulator activity	1	2	0.132028	2.41918886
GO lymphoid progenitor cell differentiation	1	2	0.132028	2.41918886
GO positive regulation of transcription from RNA polymerase I promoter	1	2	0.132028	2.41918886
GO laminin-3 complex	1	2	0.132028	2.41918886
GO clathrin-coated endocytic vesicle membrane	1	2	0.132028	2.41918886
GO phospholipase activator activity	1	2	0.132028	2.41918886
GO leukotriene-C4 synthase activity	1	2	0.132028	2.41918886
GO paraxial mesoderm morphogenesis	1	2	0.132028	2.41918886
GO cellular biogenic amine metabolic process	1	2	0.132028	2.41918886
GO negative regulation of serotonin secretion	1	2	0.132028	2.41918886
GO positive regulation of dopamine metabolic process	1	2	0.132028	2.41918886
GO response to aluminum ion	1	2	0.132028	2.41918886
GO slow-twitch skeletal muscle fiber contraction	1	2	0.132028	2.41918886
GO negative regulation of mast cell apoptosis	1	2	0.132028	2.41918886
GO positive regulation of mast cell proliferation	1	2	0.132028	2.41918886
GO cerebral cortex GABAergic interneuron differentiation	1	2	0.132028	2.41918886
GO olfactory pit development	1	2	0.132028	2.41918886
GO subpallium neuron fate commitment	1	2	0.132028	2.41918886
GO macrophage colony stimulating factor receptor activity	1	2	0.132028	2.41918886

GO Bcl3/NF-kappaB2 complex	1	2	0.132028	2.41918886
GO follicular dendritic cell differentiation	1	2	0.132028	2.41918886
GO nucleotide-binding oligomerization domain containing 1 signaling patf	1	2	0.132028	2.41918886
GO D-serine transport	1	2	0.132028	2.41918886
GO aconitate hydratase activity	1	2	0.132028	2.41918886
GO iron-responsive element binding	1	2	0.132028	2.41918886
GO negative regulation of photoreceptor cell differentiation	1	2	0.132028	2.41918886
GO positive regulation of transcription of Notch receptor target	1	2	0.132028	2.41918886
GO response to insecticide	1	2	0.132028	2.41918886
GO nerve growth factor production	1	2	0.132028	2.41918886
GO dopamine uptake	1	2	0.132028	2.41918886
GO negative regulation of actin filament bundle assembly	1	2	0.132028	2.41918886
GO negative regulation of release of cytochrome c from mitochondria	1	2	0.132028	2.41918886
GO protein K63-linked ubiquitination	1	2	0.132028	2.41918886
GO embryonic body morphogenesis	1	2	0.132028	2.41918886
GO response to chlorate	1	2	0.132028	2.41918886
GO detection of light stimulus	1	2	0.132028	2.41918886
GO positive regulation of plasma membrane long-chain fatty acid transpor	1	2	0.132028	2.41918886
GO cytoplasmic cyclin-dependent protein kinase holoenzyme complex	1	2	0.132028	2.41918886
GO myoblast cell fate commitment	1	2	0.132028	2.41918886
GO PML body organization	1	2	0.132028	2.41918886
GO regulation of MHC class I biosynthetic process	1	2	0.132028	2.41918886
GO anatomical structure development	1	2	0.132028	2.41918886
GO embryonic epithelial tube formation	1	2	0.132028	2.41918886
GO somatotropin secreting cell differentiation	1	2	0.132028	2.41918886
GO hydroxymethylglutaryl-CoA lyase activity	1	2	0.132028	2.41918886
GO BMP signaling pathway involved in heart induction	1	2	0.132028	2.41918886
GO cardiac cell fate determination	1	2	0.132028	2.41918886
GO negative regulation of gene silencing by miRNA	1	2	0.132028	2.41918886
GO negative regulation of receptor biosynthetic process	1	2	0.132028	2.41918886
GO 1-alkylglycerophosphocholine O-acetyltransferase activity	1	2	0.132028	2.41918886
GO germ-line stem cell maintenance	1	2	0.132028	2.41918886
GO establishment of epithelial cell polarity	1	2	0.132028	2.41918886
GO oxidoreductase activity, acting on sulfur group of donors, disulfide as a	1	2	0.132028	2.41918886
GO activation of phospholipase A2 activity by calcium-mediated signaling	1	2	0.132028	2.41918886
GO neuromedin U receptor activity	1	2	0.132028	2.41918886
GO inositol trisphosphate biosynthetic process	1	2	0.132028	2.41918886
GO prostaglandin F receptor activity	1	2	0.132028	2.41918886
GO negative regulation of epinephrine secretion	1	2	0.132028	2.41918886
GO negative regulation of norepinephrine secretion	1	2	0.132028	2.41918886
GO prostaglandin-endoperoxide synthase activity	1	2	0.132028	2.41918886
GO cellular pigment accumulation	1	2	0.132028	2.41918886
GO myosin V binding	1	2	0.132028	2.41918886
GO natural killer cell degranulation	1	2	0.132028	2.41918886
GO embryonic retina morphogenesis in camera-type eye	1	2	0.132028	2.41918886
GO female genitalia morphogenesis	1	2	0.132028	2.41918886
GO angiotensin maturation	1	2	0.132028	2.41918886
GO negative regulation of isotype switching to IgE isotypes	1	2	0.132028	2.41918886
GO negative regulation of mast cell cytokine production	1	2	0.132028	2.41918886

GO	regulation of Rho GTPase activity	1	2	0.132028	2.41918886
GO	3-hydroxybutyrate dehydrogenase activity	1	2	0.132028	2.41918886
GO	vitamin metabolic process	1	2	0.132028	2.41918886
GO	3-oxoacid CoA-transferase activity	1	2	0.132028	2.41918886
GO	ketone body catabolic process	1	2	0.132028	2.41918886
GO	positive regulation of biosynthetic process of antibacterial peptides ac	1	2	0.132028	2.41918886
GO	regulation of neutrophil chemotaxis	1	2	0.132028	2.41918886
GO	protein-disulfide reductase activity	1	2	0.132028	2.41918886
GO	cardiac septum development	1	2	0.132028	2.41918886
GO	cloacal septation	1	2	0.132028	2.41918886
GO	positive regulation of kidney development	1	2	0.132028	2.41918886
GO	telencephalon regionalization	1	2	0.132028	2.41918886
GO	urea transmembrane transporter activity	1	2	0.132028	2.41918886
GO	proton-dependent oligopeptide secondary active transmembrane trar	1	2	0.132028	2.41918886
GO	negative regulation of exocytosis	1	2	0.132028	2.41918886
GO	negative regulation of platelet-derived growth factor receptor signalin	1	2	0.132028	2.41918886
GO	positive regulation of inositol phosphate biosynthetic process	1	2	0.132028	2.41918886
GO	regulation of glutamate secretion	1	2	0.132028	2.41918886
GO	positive regulation of isotype switching to IgE isotypes	1	2	0.132028	2.41918886
GO	platelet degranulation	1	2	0.132028	2.41918886
GO	syntaxin-2 binding	1	2	0.132028	2.41918886
GO	lactate transmembrane transporter activity	1	2	0.132028	2.41918886
GO	B cell receptor complex	1	2	0.132028	2.41918886
GO	beta selection	1	2	0.132028	2.41918886
GO	homeostasis of number of cells	1	2	0.132028	2.41918886
GO	negative regulation of oxygen and reactive oxygen species metabolic p	1	2	0.132028	2.41918886
GO	negative regulation of T cell differentiation	1	2	0.132028	2.41918886
GO	regulation of transcription involved in lymphatic endothelial cell fate c	1	2	0.132028	2.41918886
GO	response to follicle-stimulating hormone stimulus	1	2	0.132028	2.41918886
GO	cell surface pattern recognition receptor signaling pathway	1	2	0.132028	2.41918886
GO	cellular response to diacylated bacterial lipopeptide	1	2	0.132028	2.41918886
GO	cellular response to triacylated bacterial lipopeptide	1	2	0.132028	2.41918886
GO	detection of diacylated bacterial lipopeptide	1	2	0.132028	2.41918886
GO	detection of triacylated bacterial lipopeptide	1	2	0.132028	2.41918886
GO	positive regulation of interleukin-18 production	1	2	0.132028	2.41918886
GO	response to bacterial lipoprotein	1	2	0.132028	2.41918886
GO	Toll-like receptor 1-Toll-like receptor 2 protein complex	1	2	0.132028	2.41918886
GO	response to lipoteichoic acid	1	2	0.132028	2.41918886
GO	positive regulation of activation of membrane attack complex	1	2	0.132028	2.41918886
GO	cellular response to interferon-gamma	1	2	0.132028	2.41918886
GO	hypophysis morphogenesis	1	2	0.132028	2.41918886
GO	lateral sprouting involved in mammary gland duct morphogenesis	1	2	0.132028	2.41918886
GO	positive regulation of response to cytokine stimulus	1	2	0.132028	2.41918886
GO	myosin light chain binding	1	2	0.132028	2.41918886
GO	regulation of chemotaxis	1	2	0.132028	2.41918886
GO	Stn1-Ten1 complex	1	2	0.132028	2.41918886
GO	receptor recycling	1	2	0.132028	2.41918886
GO	positive regulation of circadian sleep/wake cycle, non-REM sleep	1	2	0.132028	2.41918886
GO	stereocilia ankle link complex	1	2	0.132028	2.41918886

GO actin nucleation	1	2	0.132028	2.41918886
GO positive regulation of secretion	1	2	0.132028	2.41918886
GO two-component response regulator activity	1	2	0.132028	2.41918886
GO striated muscle thick filament	1	2	0.132028	2.41918886
GO initial segment	1	2	0.132028	2.41918886
GO pantothenate metabolic process	1	2	0.132028	2.41918886
GO ATPase activity, coupled to transmembrane movement of ions	1	2	0.132028	2.41918886
GO adenylylsulfate kinase activity	1	2	0.132028	2.41918886
GO sulfate adenylyltransferase (ATP) activity	1	2	0.132028	2.41918886
GO activin receptor activity	1	2	0.132028	2.41918886
GO development of primary female sexual characteristics	1	2	0.132028	2.41918886
GO positive regulation of transporter activity	1	2	0.132028	2.41918886
GO lipoteichoic acid binding	1	2	0.132028	2.41918886
GO nicotinamide metabolic process	1	2	0.132028	2.41918886
GO leg morphogenesis	1	2	0.132028	2.41918886
GO 6-phosphogluconolactonase activity	1	2	0.132028	2.41918886
GO glucose-6-phosphate dehydrogenase activity	1	2	0.132028	2.41918886
GO positive regulation of cholesterol biosynthetic process	1	2	0.132028	2.41918886
GO toxin transporter activity	1	2	0.132028	2.41918886
GO regulation of skeletal muscle fiber development	1	2	0.132028	2.41918886
GO microspike assembly	1	2	0.132028	2.41918886
GO clathrin heavy chain binding	1	2	0.132028	2.41918886
GO positive regulation of embryonic development	1	2	0.132028	2.41918886
GO sensory organ development	1	2	0.132028	2.41918886
GO L-ascorbate:sodium symporter activity	1	2	0.132028	2.41918886
GO L-ascorbic acid metabolic process	1	2	0.132028	2.41918886
GO L-ascorbic acid transporter activity	1	2	0.132028	2.41918886
GO L-ascorbic acid transport	1	2	0.132028	2.41918886
GO molecular hydrogen transport	1	2	0.132028	2.41918886
GO nucleobase transmembrane transporter activity	1	2	0.132028	2.41918886
GO nucleobase transport	1	2	0.132028	2.41918886
GO sodium-dependent L-ascorbate transmembrane transporter activity	1	2	0.132028	2.41918886
GO sodium-dependent multivitamin transmembrane transporter activity	1	2	0.132028	2.41918886
GO transepithelial L-ascorbic acid transport	1	2	0.132028	2.41918886
GO regulation of carbohydrate metabolic process	1	2	0.132028	2.41918886
GO respiratory gaseous exchange	4	29	0.132883	1.4860434
GO positive regulation of ERK1 and ERK2 cascade	4	29	0.132883	1.4860434
GO negative regulation of neuron apoptosis	6	51	0.133053	1.39702606
GO male gonad development	5	40	0.135033	1.42134709
GO regulation of signal transduction	3	19	0.136536	1.54753841
GO lipid particle	3	19	0.136536	1.54753841
GO protein amino acid O-linked glycosylation	3	19	0.136536	1.54753841
GO negative regulation of cell differentiation	3	19	0.136536	1.54753841
GO spleen development	3	19	0.136536	1.54753841
GO protein heterodimerization activity	18	199	0.136557	1.24218143
GO defense response	7	63	0.137283	1.34727968
GO cell surface receptor linked signaling pathway	15	161	0.137508	1.25329609
GO actin binding	24	278	0.141386	1.19695967
GO monooxygenase activity	6	52	0.142275	1.34595308

GO	central nervous system development	10	100	0.145088	1.25760325
GO	one-carbon metabolic process	4	30	0.145537	1.41161573
GO	response to organic nitrogen	4	30	0.145537	1.41161573
GO	insulin receptor binding	4	30	0.145537	1.41161573
GO	negative regulation of protein kinase activity	5	41	0.145689	1.36159858
GO	cholesterol homeostasis	5	41	0.145689	1.36159858
GO	death receptor binding	2	10	0.145899	1.65021148
GO	negative regulation of ossification	2	10	0.145899	1.65021148
GO	phagocytic vesicle membrane	2	10	0.145899	1.65021148
GO	receptor internalization	2	10	0.145899	1.65021148
GO	elevation of cytosolic calcium ion concentration involved in G-protein	2	10	0.145899	1.65021148
GO	cytoplasmic part	2	10	0.145899	1.65021148
GO	negative regulation of blood coagulation	2	10	0.145899	1.65021148
GO	negative regulation of hormone secretion	2	10	0.145899	1.65021148
GO	heparan sulfate proteoglycan binding	2	10	0.145899	1.65021148
GO	vascular endothelial growth factor receptor signaling pathway	2	10	0.145899	1.65021148
GO	regulation of exocytosis	2	10	0.145899	1.65021148
GO	phosphotyrosine binding	2	10	0.145899	1.65021148
GO	limb morphogenesis	2	10	0.145899	1.65021148
GO	positive regulation of glycogen biosynthetic process	2	10	0.145899	1.65021148
GO	lipoprotein binding	2	10	0.145899	1.65021148
GO	receptor tyrosine kinase binding	2	10	0.145899	1.65021148
GO	transforming growth factor beta receptor binding	2	10	0.145899	1.65021148
GO	limb development	2	10	0.145899	1.65021148
GO	CTP biosynthetic process	2	10	0.145899	1.65021148
GO	transforming growth factor beta binding	2	10	0.145899	1.65021148
GO	potassium ion transport	14	151	0.151483	1.1913065
GO	GTP binding	29	347	0.152254	1.13431562
GO	B cell activation	3	20	0.152923	1.44779831
GO	positive regulation of bone mineralization	3	20	0.152923	1.44779831
GO	adult walking behavior	3	20	0.152923	1.44779831
GO	response to amphetamine	3	20	0.152923	1.44779831
GO	positive regulation of mitosis	3	20	0.152923	1.44779831
GO	positive regulation of neuron apoptosis	3	20	0.152923	1.44779831
GO	tissue regeneration	3	20	0.152923	1.44779831
GO	response to steroid hormone stimulus	3	20	0.152923	1.44779831
GO	L-ascorbic acid binding	3	20	0.152923	1.44779831
GO	actin cytoskeleton organization	11	114	0.155894	1.19434428
GO	regulation of cell cycle	5	42	0.156692	1.30348792
GO	calcium-dependent protein binding	4	31	0.158637	1.34001228
GO	transcription from RNA polymerase II promoter	16	178	0.159161	1.14416413
GO	Wnt receptor signaling pathway	9	90	0.161066	1.19275155
GO	serine-type endopeptidase inhibitor activity	9	90	0.161066	1.19275155
GO	calmodulin binding	13	140	0.161127	1.15343799
GO	cysteine-type endopeptidase activity	6	54	0.161563	1.24704217
GO	protein localization	6	54	0.161563	1.24704217
GO	endocytosis	10	103	0.165762	1.15897145
GO	inner ear morphogenesis	5	43	0.168023	1.24692519
GO	Notch signaling pathway	5	43	0.168023	1.24692519

GO	glucose metabolic process	5	43	0.168023	1.24692519
GO	angiogenesis	11	116	0.169161	1.1336167
GO	synaptic transmission	15	167	0.169308	1.10446241
GO	microsome	19	219	0.1694	1.08589716
GO	protein kinase inhibitor activity	3	21	0.169887	1.3538072
GO	calcium-dependent phospholipid binding	3	21	0.169887	1.3538072
GO	Wnt receptor signaling pathway, calcium modulating pathway	3	21	0.169887	1.3538072
GO	threonine-type endopeptidase activity	3	21	0.169887	1.3538072
GO	polysaccharide binding	2	11	0.170604	1.49176904
GO	morphogenesis of an epithelium	2	11	0.170604	1.49176904
GO	ceramide biosynthetic process	2	11	0.170604	1.49176904
GO	retinol binding	2	11	0.170604	1.49176904
GO	DNA methylation involved in gamete generation	2	11	0.170604	1.49176904
GO	cell recognition	2	11	0.170604	1.49176904
GO	guanylate kinase activity	2	11	0.170604	1.49176904
GO	T cell costimulation	2	11	0.170604	1.49176904
GO	long-chain fatty acid-CoA ligase activity	2	11	0.170604	1.49176904
GO	regulation of blood vessel size	2	11	0.170604	1.49176904
GO	kinesin binding	2	11	0.170604	1.49176904
GO	Rho GTPase binding	2	11	0.170604	1.49176904
GO	positive regulation of DNA binding	2	11	0.170604	1.49176904
GO	low-density lipoprotein receptor binding	2	11	0.170604	1.49176904
GO	protein maturation by peptide bond cleavage	2	11	0.170604	1.49176904
GO	gap junction channel activity	2	11	0.170604	1.49176904
GO	laminin binding	2	11	0.170604	1.49176904
GO	regulation of neurotransmitter secretion	2	11	0.170604	1.49176904
GO	cell volume homeostasis	2	11	0.170604	1.49176904
GO	hemidesmosome assembly	2	11	0.170604	1.49176904
GO	negative regulation of DNA binding	2	11	0.170604	1.49176904
GO	somatic stem cell maintenance	2	11	0.170604	1.49176904
GO	vasodilation	2	11	0.170604	1.49176904
GO	3',5'-cyclic-nucleotide phosphodiesterase activity	2	11	0.170604	1.49176904
GO	face morphogenesis	2	11	0.170604	1.49176904
GO	phosphatidylserine binding	2	11	0.170604	1.49176904
GO	activin binding	2	11	0.170604	1.49176904
GO	protein amino acid autophosphorylation	8	79	0.170925	1.16183906
GO	ossification	6	55	0.171606	1.19911195
GO	neural tube closure	4	32	0.172152	1.27102323
GO	regulation of transcription from RNA polymerase II promoter	18	207	0.174813	1.06677146
GO	response to hormone stimulus	5	44	0.179664	1.19182747
GO	cell-cell junction	6	56	0.181901	1.15214171
GO	lysosome	13	144	0.185812	1.04679907
GO	JNK cascade	4	33	0.186046	1.20446062
GO	acrosomal vesicle	4	33	0.186046	1.20446062
GO	T cell activation	4	33	0.186046	1.20446062
GO	potassium channel activity	4	33	0.186046	1.20446062
GO	determination of left/right symmetry	4	33	0.186046	1.20446062
GO	positive regulation of translation	3	22	0.187358	1.26493749
GO	multicellular organism growth	3	22	0.187358	1.26493749

GO	positive regulation of neuron differentiation	3	22	0.187358	1.26493749
GO	mesoderm formation	3	22	0.187358	1.26493749
GO	regulation of ubiquitin-protein ligase activity	1	3	0.191359	1.81892509
GO	progesterone metabolic process	1	3	0.191359	1.81892509
GO	double-stranded RNA adenosine deaminase activity	1	3	0.191359	1.81892509
GO	polo kinase kinase activity	1	3	0.191359	1.81892509
GO	negative regulation of myelination	1	3	0.191359	1.81892509
GO	heme transporter activity	1	3	0.191359	1.81892509
GO	cellular chloride ion homeostasis	1	3	0.191359	1.81892509
GO	creatine kinase activity	1	3	0.191359	1.81892509
GO	regulation of protein export from nucleus	1	3	0.191359	1.81892509
GO	sphingosine metabolic process	1	3	0.191359	1.81892509
GO	kininogen binding	1	3	0.191359	1.81892509
GO	response to interleukin-4	1	3	0.191359	1.81892509
GO	adenylate cyclase binding	1	3	0.191359	1.81892509
GO	desensitization of G-protein coupled receptor protein signaling pathway	1	3	0.191359	1.81892509
GO	diet induced thermogenesis	1	3	0.191359	1.81892509
GO	norepinephrine binding	1	3	0.191359	1.81892509
GO	organic acid metabolic process	1	3	0.191359	1.81892509
GO	oxidoreductase activity, acting on paired donors, with incorporation of	1	3	0.191359	1.81892509
GO	Gram-negative bacterial cell surface binding	1	3	0.191359	1.81892509
GO	regulation of cell-cell adhesion mediated by integrin	1	3	0.191359	1.81892509
GO	branching morphogenesis of a nerve	1	3	0.191359	1.81892509
GO	ovarian follicle rupture	1	3	0.191359	1.81892509
GO	regulation of natriuresis	1	3	0.191359	1.81892509
GO	regulation of norepinephrine secretion	1	3	0.191359	1.81892509
GO	endothelin B receptor binding	1	3	0.191359	1.81892509
GO	rhombomere 3 development	1	3	0.191359	1.81892509
GO	regulation of blood vessel endothelial cell migration	1	3	0.191359	1.81892509
GO	N-terminal peptidyl-lysine acetylation	1	3	0.191359	1.81892509
GO	positive regulation of protein import into nucleus, translocation	1	3	0.191359	1.81892509
GO	age-dependent response to oxidative stress	1	3	0.191359	1.81892509
GO	macrophage activation during immune response	1	3	0.191359	1.81892509
GO	transforming growth factor beta receptor complex assembly	1	3	0.191359	1.81892509
GO	adenosylhomocysteinase activity	1	3	0.191359	1.81892509
GO	conditioned taste aversion	1	3	0.191359	1.81892509
GO	3-galactosyl-N-acetylglucosaminide 4-alpha-L-fucosyltransferase activity	1	3	0.191359	1.81892509
GO	apolipoprotein receptor binding	1	3	0.191359	1.81892509
GO	positive regulation of receptor internalization	1	3	0.191359	1.81892509
GO	very-low-density lipoprotein receptor binding	1	3	0.191359	1.81892509
GO	phosphatidylserine metabolic process	1	3	0.191359	1.81892509
GO	protein amino acid O-linked glycosylation via serine	1	3	0.191359	1.81892509
GO	protein amino acid O-linked glycosylation via threonine	1	3	0.191359	1.81892509
GO	heparin biosynthetic process	1	3	0.191359	1.81892509
GO	cerebral cortex tangential migration	1	3	0.191359	1.81892509
GO	AMP deaminase activity	1	3	0.191359	1.81892509
GO	forebrain dorsal/ventral pattern formation	1	3	0.191359	1.81892509
GO	smoothened signaling pathway involved in dorsal/ventral neural tube	1	3	0.191359	1.81892509
GO	tube development	1	3	0.191359	1.81892509

GO	activation of phospholipase C activity by muscarinic acetylcholine rece	1	3	0.191359	1.81892509
GO	bone development	1	3	0.191359	1.81892509
GO	beta-glucuronidase activity	1	3	0.191359	1.81892509
GO	cilium axoneme assembly	1	3	0.191359	1.81892509
GO	myoblast proliferation	1	3	0.191359	1.81892509
GO	negative regulation of androgen receptor signaling pathway	1	3	0.191359	1.81892509
GO	negative regulation of smooth muscle cell apoptosis	1	3	0.191359	1.81892509
GO	Type II pneumocyte differentiation	1	3	0.191359	1.81892509
GO	skeletal muscle tissue growth	1	3	0.191359	1.81892509
GO	interleukin-2 receptor activity	1	3	0.191359	1.81892509
GO	negative regulation of chemokine biosynthetic process	1	3	0.191359	1.81892509
GO	cellular response to cAMP	1	3	0.191359	1.81892509
GO	cellular response to retinoic acid	1	3	0.191359	1.81892509
GO	cellular response to stress	1	3	0.191359	1.81892509
GO	glycerol transport	1	3	0.191359	1.81892509
GO	multicellular organismal water homeostasis	1	3	0.191359	1.81892509
GO	potassium ion transmembrane transporter activity	1	3	0.191359	1.81892509
GO	insulin receptor complex	1	3	0.191359	1.81892509
GO	PTB domain binding	1	3	0.191359	1.81892509
GO	CD8-positive, alpha-beta T cell differentiation	1	3	0.191359	1.81892509
GO	alphav-beta3 integrin-vitronectin complex	1	3	0.191359	1.81892509
GO	vascular endothelial growth factor receptor 2 binding	1	3	0.191359	1.81892509
GO	inositol 1,4,5-trisphosphate-sensitive calcium-release channel activity	1	3	0.191359	1.81892509
GO	inositol-1,4,5-trisphosphate receptor activity	1	3	0.191359	1.81892509
GO	osteoblast proliferation	1	3	0.191359	1.81892509
GO	positive regulation of transcription from RNA polymerase II promoter,	1	3	0.191359	1.81892509
GO	clustering of voltage-gated sodium channels	1	3	0.191359	1.81892509
GO	neurotransmitter receptor metabolic process	1	3	0.191359	1.81892509
GO	small conductance calcium-activated potassium channel activity	1	3	0.191359	1.81892509
GO	myeloid progenitor cell differentiation	1	3	0.191359	1.81892509
GO	positive regulation of long-term neuronal synaptic plasticity	1	3	0.191359	1.81892509
GO	laminin-10 complex	1	3	0.191359	1.81892509
GO	negative regulation of stress fiber assembly	1	3	0.191359	1.81892509
GO	IgE binding	1	3	0.191359	1.81892509
GO	actinin binding	1	3	0.191359	1.81892509
GO	elastic fiber assembly	1	3	0.191359	1.81892509
GO	activin responsive factor complex	1	3	0.191359	1.81892509
GO	zygotic specification of dorsal/ventral axis	1	3	0.191359	1.81892509
GO	negative regulation of epithelial cell migration	1	3	0.191359	1.81892509
GO	somite specification	1	3	0.191359	1.81892509
GO	positive regulation of melanocyte differentiation	1	3	0.191359	1.81892509
GO	stem cell factor receptor binding	1	3	0.191359	1.81892509
GO	spinal cord oligodendrocyte cell fate specification	1	3	0.191359	1.81892509
GO	myosin light chain kinase activity	1	3	0.191359	1.81892509
GO	ionotropic glutamate receptor binding	1	3	0.191359	1.81892509
GO	axon extension involved in development	1	3	0.191359	1.81892509
GO	I-kappaB/NF-kappaB complex	1	3	0.191359	1.81892509
GO	regulation of NF-kappaB import into nucleus	1	3	0.191359	1.81892509
GO	multicellular organismal response to stress	1	3	0.191359	1.81892509

GO	negative regulation of calcium ion transport into cytosol	1	3	0.191359	1.81892509
GO	nitric-oxide synthase activity	1	3	0.191359	1.81892509
GO	tetrahydrobiopterin binding	1	3	0.191359	1.81892509
GO	neurotrophin binding	1	3	0.191359	1.81892509
GO	phenylalanine 4-monooxygenase activity	1	3	0.191359	1.81892509
GO	rRNA methyltransferase activity	1	3	0.191359	1.81892509
GO	rRNA modification	1	3	0.191359	1.81892509
GO	calmodulin-dependent cyclic-nucleotide phosphodiesterase activity	1	3	0.191359	1.81892509
GO	cell-substrate junction	1	3	0.191359	1.81892509
GO	growth hormone receptor signaling pathway	1	3	0.191359	1.81892509
GO	phosphoinositide 3-kinase regulator activity	1	3	0.191359	1.81892509
GO	smooth muscle cell migration	1	3	0.191359	1.81892509
GO	procollagen-lysine 5-dioxygenase activity	1	3	0.191359	1.81892509
GO	centrosome localization	1	3	0.191359	1.81892509
GO	limb bud formation	1	3	0.191359	1.81892509
GO	negative regulation of synaptic transmission, dopaminergic	1	3	0.191359	1.81892509
GO	positive regulation of circadian sleep/wake cycle, REM sleep	1	3	0.191359	1.81892509
GO	cobalt ion binding	1	3	0.191359	1.81892509
GO	mesenchymal to epithelial transition	1	3	0.191359	1.81892509
GO	tertiary branching involved in mammary gland duct morphogenesis	1	3	0.191359	1.81892509
GO	miRNA binding	1	3	0.191359	1.81892509
GO	response to nematode	1	3	0.191359	1.81892509
GO	DNA damage induced protein phosphorylation	1	3	0.191359	1.81892509
GO	inorganic phosphate transmembrane transporter activity	1	3	0.191359	1.81892509
GO	outer membrane	1	3	0.191359	1.81892509
GO	intracellular calcium activated chloride channel activity	1	3	0.191359	1.81892509
GO	reduction of food intake in response to dietary excess	1	3	0.191359	1.81892509
GO	activation of Ral GTPase activity	1	3	0.191359	1.81892509
GO	Ral GTPase activator activity	1	3	0.191359	1.81892509
GO	platelet activating factor receptor activity	1	3	0.191359	1.81892509
GO	chaperone cofactor-dependent protein refolding	1	3	0.191359	1.81892509
GO	somatic diversification of immunoglobulins	1	3	0.191359	1.81892509
GO	cyclooxygenase pathway	1	3	0.191359	1.81892509
GO	uterus development	1	3	0.191359	1.81892509
GO	midgut development	1	3	0.191359	1.81892509
GO	retinoid-X receptor activity	1	3	0.191359	1.81892509
GO	ventricular cardiac muscle cell differentiation	1	3	0.191359	1.81892509
GO	vitamin D response element binding	1	3	0.191359	1.81892509
GO	regulation of retinal cell programmed cell death	1	3	0.191359	1.81892509
GO	detection of biotic stimulus	1	3	0.191359	1.81892509
GO	innate immune response in mucosa	1	3	0.191359	1.81892509
GO	positive regulation of interleukin-17 production	1	3	0.191359	1.81892509
GO	beta-galactoside alpha-2,3-sialyltransferase activity	1	3	0.191359	1.81892509
GO	cellular response to water deprivation	1	3	0.191359	1.81892509
GO	Rap GTPase activator activity	1	3	0.191359	1.81892509
GO	D-aspartate import	1	3	0.191359	1.81892509
GO	endocardial cushion development	1	3	0.191359	1.81892509
GO	positive regulation of cartilage development	1	3	0.191359	1.81892509
GO	prostate gland morphogenesis	1	3	0.191359	1.81892509

GO renal system process	1	3	0.191359	1.81892509
GO specification of organ position	1	3	0.191359	1.81892509
GO trachea development	1	3	0.191359	1.81892509
GO protein anchor	1	3	0.191359	1.81892509
GO basic amino acid transmembrane transporter activity	1	3	0.191359	1.81892509
GO mitochondrial ATP synthesis coupled electron transport	1	3	0.191359	1.81892509
GO negative regulation of histone acetylation	1	3	0.191359	1.81892509
GO positive regulation of neurotransmitter secretion	1	3	0.191359	1.81892509
GO intrinsic to internal side of plasma membrane	1	3	0.191359	1.81892509
GO clathrin sculpted acetylcholine transport vesicle membrane	1	3	0.191359	1.81892509
GO thioredoxin peroxidase activity	1	3	0.191359	1.81892509
GO cardiac epithelial to mesenchymal transition	1	3	0.191359	1.81892509
GO inhibin-betaglycan-ActRII complex	1	3	0.191359	1.81892509
GO response to molecule of fungal origin	1	3	0.191359	1.81892509
GO detection of lipopolysaccharide	1	3	0.191359	1.81892509
GO positive regulation of interferon-alpha production	1	3	0.191359	1.81892509
GO myofibril assembly	1	3	0.191359	1.81892509
GO granulosa cell differentiation	1	3	0.191359	1.81892509
GO cellular response to calcium ion	1	3	0.191359	1.81892509
GO epithelial cell proliferation involved in mammary gland duct elongation	1	3	0.191359	1.81892509
GO frizzled binding	1	3	0.191359	1.81892509
GO positive regulation of protein kinase C signaling cascade	1	3	0.191359	1.81892509
GO positive regulation of T cell chemotaxis	1	3	0.191359	1.81892509
GO regulation of branching involved in mammary gland duct morphogenesis	1	3	0.191359	1.81892509
GO acetate-CoA ligase activity	1	3	0.191359	1.81892509
GO calcitonin receptor activity	1	3	0.191359	1.81892509
GO microtubule-based flagellum part	1	3	0.191359	1.81892509
GO positive regulation of interleukin-1 alpha secretion	1	3	0.191359	1.81892509
GO inner ear receptor stereocilium organization	1	3	0.191359	1.81892509
GO fibroblast migration	1	3	0.191359	1.81892509
GO peptide transporter activity	1	3	0.191359	1.81892509
GO peptide transport	1	3	0.191359	1.81892509
GO diacylglycerol metabolic process	1	3	0.191359	1.81892509
GO second-messenger-mediated signaling	1	3	0.191359	1.81892509
GO positive regulation of megakaryocyte differentiation	1	3	0.191359	1.81892509
GO syndecan binding	1	3	0.191359	1.81892509
GO sodium:bicarbonate symporter activity	1	3	0.191359	1.81892509
GO axon hillock	1	3	0.191359	1.81892509
GO pantetheine hydrolase activity	1	3	0.191359	1.81892509
GO spongiotrophoblast differentiation	1	3	0.191359	1.81892509
GO sulfate assimilation	1	3	0.191359	1.81892509
GO regulation of actin polymerization or depolymerization	1	3	0.191359	1.81892509
GO positive regulation of activin receptor signaling pathway	1	3	0.191359	1.81892509
GO phosphatidylinositol-4-phosphate binding	1	3	0.191359	1.81892509
GO transforming growth factor beta receptor activity, type I	1	3	0.191359	1.81892509
GO intrinsic to Golgi membrane	1	3	0.191359	1.81892509
GO NAD+ nucleosidase activity	1	3	0.191359	1.81892509
GO histone H3 deacetylation	1	3	0.191359	1.81892509
GO histone H4 deacetylation	1	3	0.191359	1.81892509

GO rhombomere 5 development	1	3	0.191359	1.81892509
GO receptor binding	18	211	0.195819	0.9817225
GO cholesterol transport	2	12	0.195923	1.35008603
GO Rac GTPase binding	2	12	0.195923	1.35008603
GO microvillus membrane	2	12	0.195923	1.35008603
GO keratinocyte proliferation	2	12	0.195923	1.35008603
GO positive regulation of macrophage derived foam cell differentiation	2	12	0.195923	1.35008603
GO lysosphingolipid and lysophosphatidic acid receptor activity	2	12	0.195923	1.35008603
GO neuromuscular synaptic transmission	2	12	0.195923	1.35008603
GO eye photoreceptor cell development	2	12	0.195923	1.35008603
GO positive regulation of caspase activity	2	12	0.195923	1.35008603
GO tissue homeostasis	2	12	0.195923	1.35008603
GO insulin receptor substrate binding	2	12	0.195923	1.35008603
GO low-density lipoprotein particle	2	12	0.195923	1.35008603
GO melanocyte differentiation	2	12	0.195923	1.35008603
GO positive regulation of calcium ion transport	2	12	0.195923	1.35008603
GO retinoic acid receptor signaling pathway	2	12	0.195923	1.35008603
GO positive regulation of stress-activated MAPK cascade	2	12	0.195923	1.35008603
GO anion transmembrane transporter activity	2	12	0.195923	1.35008603
GO caspase inhibitor activity	2	12	0.195923	1.35008603
GO protein tyrosine phosphatase activity	8	82	0.19678	1.05055361
GO positive regulation of transcription	13	146	0.198792	0.99465529
GO sulfotransferase activity	4	34	0.200287	1.14015543
GO PML body	4	34	0.200287	1.14015543
GO activation of protein kinase C activity by G-protein coupled receptor pi	4	34	0.200287	1.14015543
GO humoral immune response	4	34	0.200287	1.14015543
GO response to calcium ion	5	46	0.203796	1.08572624
GO Z disc	5	46	0.203796	1.08572624
GO regulation of ARF GTPase activity	3	23	0.205263	1.180656
GO developmental growth	3	23	0.205263	1.180656
GO neuromuscular process controlling balance	3	23	0.205263	1.180656
GO cell maturation	3	23	0.205263	1.180656
GO positive regulation of osteoblast differentiation	3	23	0.205263	1.180656
GO steroid binding	3	23	0.205263	1.180656
GO positive regulation of insulin secretion	3	23	0.205263	1.180656
GO neurotransmitter secretion	3	23	0.205263	1.180656
GO blood coagulation	7	71	0.210379	1.01174538
GO FAD binding	7	71	0.210379	1.01174538
GO positive regulation of transcription, DNA-dependent	11	122	0.212029	0.95796191
GO organ regeneration	4	35	0.21484	1.07795524
GO embryonic limb morphogenesis	4	35	0.21484	1.07795524
GO extracellular matrix	4	35	0.21484	1.07795524
GO binding	39	500	0.215673	0.86673618
GO hydrolase activity, acting on acid anhydrides, catalyzing transmembran	5	47	0.216247	1.03458604
GO SH3 domain binding	9	97	0.217539	0.95612469
GO heme binding	10	110	0.218999	0.94040082
GO transferase activity, transferring glycosyl groups	13	149	0.219003	0.91784064
GO response to nutrient	7	72	0.220401	0.97274096
GO histone deacetylase activity	2	13	0.221658	1.22200951

GO bone mineralization	2	13	0.221658	1.22200951
GO induction of an organ	2	13	0.221658	1.22200951
GO positive regulation of actin filament polymerization	2	13	0.221658	1.22200951
GO superoxide metabolic process	2	13	0.221658	1.22200951
GO acetylcholine receptor activity	2	13	0.221658	1.22200951
GO lipid storage	2	13	0.221658	1.22200951
GO carboxypeptidase activity	2	13	0.221658	1.22200951
GO positive regulation of phosphoinositide 3-kinase cascade	2	13	0.221658	1.22200951
GO middle ear morphogenesis	2	13	0.221658	1.22200951
GO positive regulation of smooth muscle contraction	2	13	0.221658	1.22200951
GO negative regulation of proteolysis	2	13	0.221658	1.22200951
GO positive regulation vascular endothelial growth factor production	2	13	0.221658	1.22200951
GO camera-type eye morphogenesis	2	13	0.221658	1.22200951
GO negative regulation of fat cell differentiation	2	13	0.221658	1.22200951
GO labyrinthine layer blood vessel development	2	13	0.221658	1.22200951
GO MAP kinase kinase activity	2	13	0.221658	1.22200951
GO RNA catabolic process	2	13	0.221658	1.22200951
GO synaptic transmission, glutamatergic	2	13	0.221658	1.22200951
GO oogenesis	2	13	0.221658	1.22200951
GO protein targeting to membrane	2	13	0.221658	1.22200951
GO T cell proliferation	2	13	0.221658	1.22200951
GO ARF GTPase activator activity	3	24	0.223535	1.10050625
GO G-protein signaling, coupled to cAMP nucleotide second messenger	3	24	0.223535	1.10050625
GO negative regulation of inflammatory response	3	24	0.223535	1.10050625
GO visual learning	3	24	0.223535	1.10050625
GO lung alveolus development	3	24	0.223535	1.10050625
GO response to gamma radiation	3	24	0.223535	1.10050625
GO learning	3	24	0.223535	1.10050625
GO proteolysis involved in cellular protein catabolic process	3	24	0.223535	1.10050625
GO fatty acid biosynthetic process	5	48	0.228927	0.9846364
GO phosphoprotein phosphatase activity	4	36	0.229671	1.0177221
GO somitogenesis	4	36	0.229671	1.0177221
GO response to organic substance	4	36	0.229671	1.0177221
GO response to stress	10	112	0.235344	0.88067891
GO female pregnancy	6	61	0.236676	0.93038753
GO phospholipid biosynthetic process	5	49	0.241816	0.93582048
GO wound healing	5	49	0.241816	0.93582048
GO metalloproteinase activity	3	25	0.242107	1.0240947
GO protein phosphatase binding	3	25	0.242107	1.0240947
GO leukocyte cell-cell adhesion	3	25	0.242107	1.0240947
GO symporter activity	10	113	0.243681	0.85124131
GO activation of adenylate cyclase activity by G-protein signaling pathway	4	37	0.244745	0.95933085
GO protein amino acid sulfation	1	4	0.246637	1.4398387
GO CTD phosphatase activity	1	4	0.246637	1.4398387
GO branching involved in prostate gland morphogenesis	1	4	0.246637	1.4398387
GO 9-cis-retinoic acid biosynthetic process	1	4	0.246637	1.4398387
GO base conversion or substitution editing	1	4	0.246637	1.4398387
GO regulation of respiratory burst	1	4	0.246637	1.4398387
GO cellular glucose homeostasis	1	4	0.246637	1.4398387

GO	positive regulation of histone acetylation	1	4	0.246637	1.4398387
GO	DNA damage response, signal transduction	1	4	0.246637	1.4398387
GO	mammary duct terminal end bud growth	1	4	0.246637	1.4398387
GO	piP-body	1	4	0.246637	1.4398387
GO	negative regulation of peptidase activity	1	4	0.246637	1.4398387
GO	heterocycle metabolic process	1	4	0.246637	1.4398387
GO	nose development	1	4	0.246637	1.4398387
GO	sphingomyelin biosynthetic process	1	4	0.246637	1.4398387
GO	zymogen granule membrane	1	4	0.246637	1.4398387
GO	regulation of cAMP metabolic process	1	4	0.246637	1.4398387
GO	regulation of dopamine uptake	1	4	0.246637	1.4398387
GO	positive regulation of kinase activity	1	4	0.246637	1.4398387
GO	JUN kinase binding	1	4	0.246637	1.4398387
GO	toxin metabolic process	1	4	0.246637	1.4398387
GO	astrocyte activation	1	4	0.246637	1.4398387
GO	peptide hormone secretion	1	4	0.246637	1.4398387
GO	positive regulation of cell size	1	4	0.246637	1.4398387
GO	vein smooth muscle contraction	1	4	0.246637	1.4398387
GO	eukaryotic translation elongation factor 1 complex	1	4	0.246637	1.4398387
GO	facial nerve structural organization	1	4	0.246637	1.4398387
GO	Schwann cell differentiation	1	4	0.246637	1.4398387
GO	phosphopyruvate hydratase activity	1	4	0.246637	1.4398387
GO	phosphopyruvate hydratase complex	1	4	0.246637	1.4398387
GO	peroxisome proliferator activated receptor binding	1	4	0.246637	1.4398387
GO	response to cobalt ion	1	4	0.246637	1.4398387
GO	histone demethylase activity (H3-K9 specific)	1	4	0.246637	1.4398387
GO	cAMP response element binding protein binding	1	4	0.246637	1.4398387
GO	lipoxygenase pathway	1	4	0.246637	1.4398387
GO	inner ear receptor cell differentiation	1	4	0.246637	1.4398387
GO	cerebral cortex radially oriented cell migration	1	4	0.246637	1.4398387
GO	forebrain neuron development	1	4	0.246637	1.4398387
GO	NADP metabolic process	1	4	0.246637	1.4398387
GO	regulation of systemic arterial blood pressure by renin-angiotensin	1	4	0.246637	1.4398387
GO	optic nerve morphogenesis	1	4	0.246637	1.4398387
GO	positive regulation of T-helper 1 cell differentiation	1	4	0.246637	1.4398387
GO	positive regulation of estrogen receptor signaling pathway	1	4	0.246637	1.4398387
GO	testosterone 17-beta-dehydrogenase activity	1	4	0.246637	1.4398387
GO	chondroitin sulfate proteoglycan biosynthetic process	1	4	0.246637	1.4398387
GO	lung lobe morphogenesis	1	4	0.246637	1.4398387
GO	positive regulation of granule cell precursor proliferation	1	4	0.246637	1.4398387
GO	water homeostasis	1	4	0.246637	1.4398387
GO	ciliary neurotrophic factor receptor activity	1	4	0.246637	1.4398387
GO	lateral ventricle development	1	4	0.246637	1.4398387
GO	insulin-like growth factor II binding	1	4	0.246637	1.4398387
GO	regulation of gene-specific transcription	1	4	0.246637	1.4398387
GO	cell-cell adhesion mediated by integrin	1	4	0.246637	1.4398387
GO	cell-substrate junction assembly	1	4	0.246637	1.4398387
GO	calcium ion transmembrane transporter activity	1	4	0.246637	1.4398387
GO	platelet dense tubular network membrane	1	4	0.246637	1.4398387

GO	positive regulation by host of viral transcription	1	4	0.246637	1.4398387
GO	saliva secretion	1	4	0.246637	1.4398387
GO	myeloid leukocyte differentiation	1	4	0.246637	1.4398387
GO	positive regulation of Rac protein signal transduction	1	4	0.246637	1.4398387
GO	response to mineralocorticoid stimulus	1	4	0.246637	1.4398387
GO	very-low-density lipoprotein receptor activity	1	4	0.246637	1.4398387
GO	dopamine catabolic process	1	4	0.246637	1.4398387
GO	androgen binding	1	4	0.246637	1.4398387
GO	bone remodeling	1	4	0.246637	1.4398387
GO	JUN kinase kinase kinase activity	1	4	0.246637	1.4398387
GO	cell-cell junction maintenance	1	4	0.246637	1.4398387
GO	negative regulation of lipid storage	1	4	0.246637	1.4398387
GO	toll-like receptor 4 signaling pathway	1	4	0.246637	1.4398387
GO	CCAAT-binding factor complex	1	4	0.246637	1.4398387
GO	arginine binding	1	4	0.246637	1.4398387
GO	compartment pattern formation	1	4	0.246637	1.4398387
GO	positive regulation of glial cell differentiation	1	4	0.246637	1.4398387
GO	regulation of neurogenesis	1	4	0.246637	1.4398387
GO	regulation of developmental process	1	4	0.246637	1.4398387
GO	neurotrophin receptor activity	1	4	0.246637	1.4398387
GO	regulation of respiratory gaseous exchange	1	4	0.246637	1.4398387
GO	ADP biosynthetic process	1	4	0.246637	1.4398387
GO	mitochondrial proton-transporting ATP synthase complex, catalytic co	1	4	0.246637	1.4398387
GO	nerve growth factor processing	1	4	0.246637	1.4398387
GO	regulation of BMP signaling pathway	1	4	0.246637	1.4398387
GO	secretion by cell	1	4	0.246637	1.4398387
GO	catecholamine biosynthetic process	1	4	0.246637	1.4398387
GO	aggresome assembly	1	4	0.246637	1.4398387
GO	norepinephrine metabolic process	1	4	0.246637	1.4398387
GO	positive regulation of lipid biosynthetic process	1	4	0.246637	1.4398387
GO	rRNA (adenine-N6,N6-)-dimethyltransferase activity	1	4	0.246637	1.4398387
GO	cGMP-mediated signaling	1	4	0.246637	1.4398387
GO	intercalated disc	1	4	0.246637	1.4398387
GO	phosphoglucomutase activity	1	4	0.246637	1.4398387
GO	ErbB-3 class receptor binding	1	4	0.246637	1.4398387
GO	auditory receptor cell stereocilium organization	1	4	0.246637	1.4398387
GO	positive regulation of histone deacetylation	1	4	0.246637	1.4398387
GO	tube morphogenesis	1	4	0.246637	1.4398387
GO	regulation of fatty acid metabolic process	1	4	0.246637	1.4398387
GO	platelet activating factor biosynthetic process	1	4	0.246637	1.4398387
GO	pi-body	1	4	0.246637	1.4398387
GO	phosphorylase kinase regulator activity	1	4	0.246637	1.4398387
GO	transmembrane receptor protein tyrosine kinase signaling protein acti	1	4	0.246637	1.4398387
GO	tight junction assembly	1	4	0.246637	1.4398387
GO	calcium- and calmodulin-dependent protein kinase complex	1	4	0.246637	1.4398387
GO	activation of store-operated calcium channel activity	1	4	0.246637	1.4398387
GO	embryonic organ morphogenesis	1	4	0.246637	1.4398387
GO	negative regulation of cardiac muscle cell proliferation	1	4	0.246637	1.4398387
GO	vagina development	1	4	0.246637	1.4398387

GO melatonin receptor activity	1	4	0.246637	1.4398387
GO retinoic acid receptor activity	1	4	0.246637	1.4398387
GO mechanoreceptor differentiation	1	4	0.246637	1.4398387
GO regulation of metabolic process	1	4	0.246637	1.4398387
GO positive regulation of TOR signaling pathway	1	4	0.246637	1.4398387
GO positive regulation of humoral immune response mediated by circulat	1	4	0.246637	1.4398387
GO negative regulation of TOR signaling pathway	1	4	0.246637	1.4398387
GO alpha-N-acetylneuraminate alpha-2,8-sialyltransferase activity	1	4	0.246637	1.4398387
GO L-glutamate import	1	4	0.246637	1.4398387
GO lens induction in camera-type eye	1	4	0.246637	1.4398387
GO negative regulation of mitosis	1	4	0.246637	1.4398387
GO positive regulation of cell death	1	4	0.246637	1.4398387
GO chloride transmembrane transporter activity	1	4	0.246637	1.4398387
GO urea transport	1	4	0.246637	1.4398387
GO arachidonic acid binding	1	4	0.246637	1.4398387
GO platelet aggregation	1	4	0.246637	1.4398387
GO synaptic vesicle maturation	1	4	0.246637	1.4398387
GO positive regulation of gamma-delta T cell differentiation	1	4	0.246637	1.4398387
GO chromaffin granule membrane	1	4	0.246637	1.4398387
GO progesterone receptor signaling pathway	1	4	0.246637	1.4398387
GO positive regulation of interferon-alpha biosynthetic process	1	4	0.246637	1.4398387
GO positive regulation of platelet activation	1	4	0.246637	1.4398387
GO muscle thin filament tropomyosin	1	4	0.246637	1.4398387
GO luteinization	1	4	0.246637	1.4398387
GO dendritic spine membrane	1	4	0.246637	1.4398387
GO gene expression	1	4	0.246637	1.4398387
GO positive regulation of cellular pH reduction	1	4	0.246637	1.4398387
GO positive regulation of adenylate cyclase activity	1	4	0.246637	1.4398387
GO cellular response to glucose starvation	1	4	0.246637	1.4398387
GO maintenance of organ identity	1	4	0.246637	1.4398387
GO blood vessel maturation	1	4	0.246637	1.4398387
GO peripheral to membrane of membrane fraction	1	4	0.246637	1.4398387
GO protein phosphatase type 1 complex	1	4	0.246637	1.4398387
GO [heparan sulfate]-glucosamine N-sulfotransferase activity	1	4	0.246637	1.4398387
GO actin filament severing	1	4	0.246637	1.4398387
GO cyclic nucleotide metabolic process	1	4	0.246637	1.4398387
GO negative regulation of plasma membrane long-chain fatty acid transpc	1	4	0.246637	1.4398387
GO positive regulation of glucose metabolic process	1	4	0.246637	1.4398387
GO release of cytoplasmic sequestered NF-kappaB	1	4	0.246637	1.4398387
GO positive regulation of mitochondrial depolarization	1	4	0.246637	1.4398387
GO cellular response to protein stimulus	1	4	0.246637	1.4398387
GO vacuolar acidification	1	4	0.246637	1.4398387
GO sequestering of actin monomers	1	4	0.246637	1.4398387
GO phosphatidylinositol-5-phosphate binding	1	4	0.246637	1.4398387
GO long term synaptic depression	1	4	0.246637	1.4398387
GO response to hydroperoxide	1	4	0.246637	1.4398387
GO thrombospondin receptor activity	1	4	0.246637	1.4398387
GO intracellular cholesterol transport	1	4	0.246637	1.4398387
GO phospholipid transporter activity	1	4	0.246637	1.4398387

GO	peptidyl-lysine deacetylation	1	4	0.246637	1.4398387
GO	positive regulation of cell migration involved in sprouting angiogenesis	1	4	0.246637	1.4398387
GO	clathrin coat	1	4	0.246637	1.4398387
GO	regulation of protein transport	1	4	0.246637	1.4398387
GO	lateral element	1	4	0.246637	1.4398387
GO	temperature homeostasis	2	14	0.247634	1.10517506
GO	glutamine metabolic process	2	14	0.247634	1.10517506
GO	endosome to lysosome transport	2	14	0.247634	1.10517506
GO	behavioral fear response	2	14	0.247634	1.10517506
GO	nitric oxide mediated signal transduction	2	14	0.247634	1.10517506
GO	response to testosterone stimulus	2	14	0.247634	1.10517506
GO	protein-chromophore linkage	2	14	0.247634	1.10517506
GO	sulfur metabolic process	2	14	0.247634	1.10517506
GO	embryonic heart tube development	2	14	0.247634	1.10517506
GO	calmodulin-dependent protein kinase activity	2	14	0.247634	1.10517506
GO	regulation of action potential in neuron	2	14	0.247634	1.10517506
GO	positive regulation of protein catabolic process	2	14	0.247634	1.10517506
GO	neuroblast proliferation	2	14	0.247634	1.10517506
GO	transmembrane transporter activity	2	14	0.247634	1.10517506
GO	ATP catabolic process	2	14	0.247634	1.10517506
GO	decidualization	2	14	0.247634	1.10517506
GO	cell fate specification	2	14	0.247634	1.10517506
GO	dystrophin-associated glycoprotein complex	2	14	0.247634	1.10517506
GO	pathway-restricted SMAD protein phosphorylation	2	14	0.247634	1.10517506
GO	single-stranded RNA binding	2	14	0.247634	1.10517506
GO	transcription factor complex	12	140	0.249175	0.81728188
GO	fatty acid metabolic process	7	75	0.251415	0.85915296
GO	promoter binding	9	101	0.252835	0.82901024
GO	response to oxidative stress	9	101	0.252835	0.82901024
GO	chloride transport	5	50	0.254893	0.88808529
GO	activation of caspase activity	5	50	0.254893	0.88808529
GO	Golgi cisterna membrane	6	63	0.25987	0.84718805
GO	positive regulation of gene expression	4	38	0.260029	0.90266757
GO	collagen fibril organization	3	26	0.260915	0.95107994
GO	GDP binding	3	26	0.260915	0.95107994
GO	NAD+ ADP-ribosyltransferase activity	3	26	0.260915	0.95107994
GO	hemopoiesis	5	51	0.268136	0.84138139
GO	copper ion binding	5	51	0.268136	0.84138139
GO	forebrain development	5	51	0.268136	0.84138139
GO	protein complex binding	8	90	0.27242	0.77404613
GO	response to nicotine	2	15	0.273697	0.99776846
GO	voltage-gated chloride channel activity	2	15	0.273697	0.99776846
GO	actin filament bundle assembly	2	15	0.273697	0.99776846
GO	embryonic forelimb morphogenesis	2	15	0.273697	0.99776846
GO	phospholipid-translocating ATPase activity	2	15	0.273697	0.99776846
GO	positive regulation of catalytic activity	2	15	0.273697	0.99776846
GO	digestive tract development	2	15	0.273697	0.99776846
GO	cellular component organization	2	15	0.273697	0.99776846
GO	cellular response to extracellular stimulus	2	15	0.273697	0.99776846

GO myeloid cell differentiation	2	15	0.273697	0.99776846
GO neuromuscular junction development	2	15	0.273697	0.99776846
GO hair follicle development	2	15	0.273697	0.99776846
GO chondrocyte differentiation	2	15	0.273697	0.99776846
GO ATPase binding	2	15	0.273697	0.99776846
GO oxidoreductase activity, acting on paired donors, with incorporation of	2	15	0.273697	0.99776846
GO regulation of protein amino acid phosphorylation	2	15	0.273697	0.99776846
GO regulation of immune response	2	15	0.273697	0.99776846
GO positive regulation of cytokine secretion	2	15	0.273697	0.99776846
GO epithelial cell differentiation	4	39	0.275491	0.84762832
GO ER-Golgi intermediate compartment	4	39	0.275491	0.84762832
GO cytoskeletal protein binding	4	39	0.275491	0.84762832
GO interspecies interaction between organisms	22	280	0.278823	0.68295535
GO ATP synthesis coupled proton transport	3	27	0.2799	0.88116403
GO enzyme inhibitor activity	3	27	0.2799	0.88116403
GO negative regulation of neuron differentiation	3	27	0.2799	0.88116403
GO cell-cell adherens junction	3	27	0.2799	0.88116403
GO negative regulation of cell growth	8	91	0.28242	0.74134092
GO ubiquitin-protein ligase activity	12	145	0.288106	0.69027851
GO dendritic spine	4	40	0.291097	0.79411803
GO hormone activity	7	79	0.294592	0.71506294
GO response to wounding	5	53	0.295041	0.75088555
GO ATP biosynthetic process	5	53	0.295041	0.75088555
GO negative regulation of myotube differentiation	1	5	0.298138	1.16672207
GO mitogen-activated protein kinase kinase binding	1	5	0.298138	1.16672207
GO mRNA modification	1	5	0.298138	1.16672207
GO opioid peptide activity	1	5	0.298138	1.16672207
GO positive regulation of protein complex assembly	1	5	0.298138	1.16672207
GO sodium ion binding	1	5	0.298138	1.16672207
GO sodium-dependent phosphate transmembrane transporter activity	1	5	0.298138	1.16672207
GO transepithelial chloride transport	1	5	0.298138	1.16672207
GO respiratory electron transport chain	1	5	0.298138	1.16672207
GO barbed-end actin filament capping	1	5	0.298138	1.16672207
GO calcium- and calmodulin-responsive adenylate cyclase activity	1	5	0.298138	1.16672207
GO interleukin-1-mediated signaling pathway	1	5	0.298138	1.16672207
GO negative regulation of cytokine-mediated signaling pathway	1	5	0.298138	1.16672207
GO folic acid transporter activity	1	5	0.298138	1.16672207
GO toxin binding	1	5	0.298138	1.16672207
GO regulation of neuron apoptosis	1	5	0.298138	1.16672207
GO ethanol oxidation	1	5	0.298138	1.16672207
GO sphingosine-1-phosphate phosphatase activity	1	5	0.298138	1.16672207
GO monocyte activation	1	5	0.298138	1.16672207
GO positive regulation of macrophage differentiation	1	5	0.298138	1.16672207
GO positive regulation of heart contraction	1	5	0.298138	1.16672207
GO positive regulation of potassium ion transport	1	5	0.298138	1.16672207
GO oxidoreductase activity, acting on paired donors, with incorporation of	1	5	0.298138	1.16672207
GO embryonic camera-type eye development	1	5	0.298138	1.16672207
GO activation of phospholipase C activity by dopamine receptor signaling	1	5	0.298138	1.16672207
GO circadian regulation of gene expression	1	5	0.298138	1.16672207

GO	G-protein signaling, coupled to cGMP nucleotide second messenger	1	5	0.298138	1.16672207
GO	type 1 angiotensin receptor binding	1	5	0.298138	1.16672207
GO	artery smooth muscle contraction	1	5	0.298138	1.16672207
GO	leukocyte activation	1	5	0.298138	1.16672207
GO	regulation of systemic arterial blood pressure by endothelin	1	5	0.298138	1.16672207
GO	mammary gland involution	1	5	0.298138	1.16672207
GO	transmembrane-ephrin receptor activity	1	5	0.298138	1.16672207
GO	musculoskeletal movement	1	5	0.298138	1.16672207
GO	fibroblast growth factor receptor activity	1	5	0.298138	1.16672207
GO	axon midline choice point recognition	1	5	0.298138	1.16672207
GO	cell morphogenesis involved in neuron differentiation	1	5	0.298138	1.16672207
GO	glycosaminoglycan metabolic process	1	5	0.298138	1.16672207
GO	mesenchymal cell differentiation	1	5	0.298138	1.16672207
GO	lymphangiogenesis	1	5	0.298138	1.16672207
GO	activation of JNKK activity	1	5	0.298138	1.16672207
GO	anterograde axon cargo transport	1	5	0.298138	1.16672207
GO	response to gravity	1	5	0.298138	1.16672207
GO	lysosomal transport	1	5	0.298138	1.16672207
GO	regulation of receptor activity	1	5	0.298138	1.16672207
GO	positive regulation of transferase activity	1	5	0.298138	1.16672207
GO	ER to Golgi transport vesicle membrane	1	5	0.298138	1.16672207
GO	AP-1 adaptor complex	1	5	0.298138	1.16672207
GO	SCF-dependent proteasomal ubiquitin-dependent protein catabolic pr	1	5	0.298138	1.16672207
GO	vitamin D binding	1	5	0.298138	1.16672207
GO	purine base metabolic process	1	5	0.298138	1.16672207
GO	positive regulation of protein import into nucleus	1	5	0.298138	1.16672207
GO	spinal cord dorsal/ventral patterning	1	5	0.298138	1.16672207
GO	virion binding	1	5	0.298138	1.16672207
GO	virus-host interaction	1	5	0.298138	1.16672207
GO	peptidyl-citrulline biosynthetic process from peptidyl-arginine	1	5	0.298138	1.16672207
GO	protein-arginine deiminase activity	1	5	0.298138	1.16672207
GO	azurophil granule	1	5	0.298138	1.16672207
GO	S100 alpha binding	1	5	0.298138	1.16672207
GO	cell killing	1	5	0.298138	1.16672207
GO	CRD-mediated mRNA stability complex	1	5	0.298138	1.16672207
GO	CRD-mediated mRNA stabilization	1	5	0.298138	1.16672207
GO	negative regulation of astrocyte differentiation	1	5	0.298138	1.16672207
GO	monocyte differentiation	1	5	0.298138	1.16672207
GO	motile secondary cilium	1	5	0.298138	1.16672207
GO	negative regulation of insulin-like growth factor receptor signaling pat	1	5	0.298138	1.16672207
GO	chorio-allantoic fusion	1	5	0.298138	1.16672207
GO	ciliary neurotrophic factor-mediated signaling pathway	1	5	0.298138	1.16672207
GO	negative regulation of interleukin-8 production	1	5	0.298138	1.16672207
GO	negative regulation of protein amino acid autophosphorylation	1	5	0.298138	1.16672207
GO	glycosphingolipid metabolic process	1	5	0.298138	1.16672207
GO	regulation of developmental pigmentation	1	5	0.298138	1.16672207
GO	lipoprotein catabolic process	1	5	0.298138	1.16672207
GO	low-density lipoprotein particle clearance	1	5	0.298138	1.16672207
GO	positive regulation of GTPase activity	1	5	0.298138	1.16672207

GO pericardium development	1	5	0.298138	1.16672207
GO primary microRNA processing	1	5	0.298138	1.16672207
GO regulation of binding	1	5	0.298138	1.16672207
GO transforming growth factor beta receptor, pathway-specific cytoplasm	1	5	0.298138	1.16672207
GO steroid catabolic process	1	5	0.298138	1.16672207
GO sulfuric ester hydrolase activity	1	5	0.298138	1.16672207
GO regulation of osteoclast differentiation	1	5	0.298138	1.16672207
GO E-box binding	1	5	0.298138	1.16672207
GO spinal cord association neuron differentiation	1	5	0.298138	1.16672207
GO nerve growth factor receptor signaling pathway	1	5	0.298138	1.16672207
GO germinal center formation	1	5	0.298138	1.16672207
GO negative regulation of Notch signaling pathway	1	5	0.298138	1.16672207
GO sprouting angiogenesis	1	5	0.298138	1.16672207
GO reduction of cytosolic calcium ion concentration	1	5	0.298138	1.16672207
GO negative regulation of cardiac muscle hypertrophy	1	5	0.298138	1.16672207
GO positive regulation of prostaglandin secretion	1	5	0.298138	1.16672207
GO nerve growth factor binding	1	5	0.298138	1.16672207
GO peptide metabolic process	1	5	0.298138	1.16672207
GO negative regulation of cell cycle arrest	1	5	0.298138	1.16672207
GO glycolipid binding	1	5	0.298138	1.16672207
GO glycolipid transporter activity	1	5	0.298138	1.16672207
GO positive regulation of triglyceride biosynthetic process	1	5	0.298138	1.16672207
GO positive regulation of establishment of protein localization in plasma n	1	5	0.298138	1.16672207
GO regulation of cytokine production	1	5	0.298138	1.16672207
GO positive regulation of defense response to virus by host	1	5	0.298138	1.16672207
GO microvillus assembly	1	5	0.298138	1.16672207
GO positive regulation of smoothed signaling pathway	1	5	0.298138	1.16672207
GO oocyte development	1	5	0.298138	1.16672207
GO serine-type carboxypeptidase activity	1	5	0.298138	1.16672207
GO DNA-directed RNA polymerase II, holoenzyme	1	5	0.298138	1.16672207
GO cellular amino acid and derivative metabolic process	1	5	0.298138	1.16672207
GO regulation of T cell activation	1	5	0.298138	1.16672207
GO sodium-independent organic anion transmembrane transporter activit	1	5	0.298138	1.16672207
GO regulation of bone mineralization	1	5	0.298138	1.16672207
GO positive regulation of triglyceride catabolic process	1	5	0.298138	1.16672207
GO melanosome localization	1	5	0.298138	1.16672207
GO ammonium transmembrane transporter activity	1	5	0.298138	1.16672207
GO negative regulation of Rho protein signal transduction	1	5	0.298138	1.16672207
GO glutamate secretion	1	5	0.298138	1.16672207
GO negative regulation of neuroblast proliferation	1	5	0.298138	1.16672207
GO neuron recognition	1	5	0.298138	1.16672207
GO detection of chemical stimulus involved in sensory perception of bitter	1	5	0.298138	1.16672207
GO thioredoxin-disulfide reductase activity	1	5	0.298138	1.16672207
GO BMP receptor binding	1	5	0.298138	1.16672207
GO mesenchymal to epithelial transition involved in metanephros morphc	1	5	0.298138	1.16672207
GO negative regulation of chondrocyte differentiation	1	5	0.298138	1.16672207
GO negative regulation of oligodendrocyte differentiation	1	5	0.298138	1.16672207
GO positive regulation of branching involved in ureteric bud morphogene	1	5	0.298138	1.16672207
GO regulation of smooth muscle cell differentiation	1	5	0.298138	1.16672207

GO tongue morphogenesis	1	5	0.298138	1.16672207
GO anion exchanger activity	1	5	0.298138	1.16672207
GO cellular ion homeostasis	1	5	0.298138	1.16672207
GO oligopeptide transport	1	5	0.298138	1.16672207
GO drug transport	1	5	0.298138	1.16672207
GO long-term synaptic potentiation	1	5	0.298138	1.16672207
GO positive regulation of receptor recycling	1	5	0.298138	1.16672207
GO regulation of locomotion	1	5	0.298138	1.16672207
GO regulation of macrophage activation	1	5	0.298138	1.16672207
GO tau protein binding	1	5	0.298138	1.16672207
GO spectrin-associated cytoskeleton	1	5	0.298138	1.16672207
GO induction of apoptosis by hormones	1	5	0.298138	1.16672207
GO somatostatin receptor activity	1	5	0.298138	1.16672207
GO definitive hemopoiesis	1	5	0.298138	1.16672207
GO negative regulation of cellular component movement	1	5	0.298138	1.16672207
GO response to prostaglandin E stimulus	1	5	0.298138	1.16672207
GO toll-like receptor signaling pathway	1	5	0.298138	1.16672207
GO regulation of short-term neuronal synaptic plasticity	1	5	0.298138	1.16672207
GO mammary gland branching involved in thelarche	1	5	0.298138	1.16672207
GO 1-alkyl-2-acetyl-glycerophosphocholine esterase activity	1	5	0.298138	1.16672207
GO intramembranous ossification	1	5	0.298138	1.16672207
GO phosphatidylinositol transporter activity	1	5	0.298138	1.16672207
GO endoderm formation	1	5	0.298138	1.16672207
GO muscle organ morphogenesis	1	5	0.298138	1.16672207
GO negative regulation of kinase activity	1	5	0.298138	1.16672207
GO regulation of calcium ion transport via voltage-gated calcium channel	1	5	0.298138	1.16672207
GO secondary active monocarboxylate transmembrane transporter activity	1	5	0.298138	1.16672207
GO peptidoglycan receptor activity	1	5	0.298138	1.16672207
GO N-acetylglucosamine 6-O-sulfotransferase activity	1	5	0.298138	1.16672207
GO cellular metal ion homeostasis	1	5	0.298138	1.16672207
GO nitric-oxide synthase binding	1	5	0.298138	1.16672207
GO segment specification	1	5	0.298138	1.16672207
GO camera-type eye development	3	28	0.299003	0.81408553
GO single fertilization	3	28	0.299003	0.81408553
GO positive regulation of axonogenesis	2	16	0.299715	0.89837015
GO vitamin D receptor binding	2	16	0.299715	0.89837015
GO nicotinic acetylcholine-activated cation-selective channel activity	2	16	0.299715	0.89837015
GO nicotinic acetylcholine-gated receptor-channel complex	2	16	0.299715	0.89837015
GO phosphatidylinositol-3,4,5-trisphosphate binding	2	16	0.299715	0.89837015
GO negative regulation of insulin secretion	2	16	0.299715	0.89837015
GO receptor complex	2	16	0.299715	0.89837015
GO gamete generation	2	16	0.299715	0.89837015
GO response to morphine	2	16	0.299715	0.89837015
GO lateral plasma membrane	2	16	0.299715	0.89837015
GO smoothed signaling pathway	2	16	0.299715	0.89837015
GO response to nutrient levels	2	16	0.299715	0.89837015
GO internal side of plasma membrane	2	16	0.299715	0.89837015
GO calcium-dependent cysteine-type endopeptidase activity	2	16	0.299715	0.89837015
GO response to axon injury	2	16	0.299715	0.89837015

GO	mitochondrial envelope	2	16	0.299715	0.89837015
GO	eukaryotic cell surface binding	2	16	0.299715	0.89837015
GO	stereocilium	2	16	0.299715	0.89837015
GO	mRNA binding	4	41	0.306817	0.74204953
GO	cellular defense response	5	54	0.308661	0.70700984
GO	proton transport	5	54	0.308661	0.70700984
GO	basolateral plasma membrane	9	107	0.308862	0.64801212
GO	actin cytoskeleton	11	134	0.308876	0.63258503
GO	cell proliferation	22	286	0.313206	0.57903666
GO	histone deacetylase complex	3	29	0.318171	0.74961393
GO	protein kinase C binding	3	29	0.318171	0.74961393
GO	keratinocyte differentiation	3	29	0.318171	0.74961393
GO	transcriptional repressor complex	3	29	0.318171	0.74961393
GO	behavior	3	29	0.318171	0.74961393
GO	protein homooligomerization	6	68	0.32007	0.65103418
GO	post-embryonic development	5	55	0.322367	0.66399739
GO	chemokine activity	4	42	0.32262	0.69134274
GO	histone deacetylation	2	17	0.325572	0.80585039
GO	positive regulation of cell-substrate adhesion	2	17	0.325572	0.80585039
GO	positive regulation of proteasomal ubiquitin-dependent protein catabolism	2	17	0.325572	0.80585039
GO	activation of protein kinase A activity	2	17	0.325572	0.80585039
GO	DNA damage response, signal transduction resulting in induction of apoptosis	2	17	0.325572	0.80585039
GO	regulation of pH	2	17	0.325572	0.80585039
GO	regulation of angiogenesis	2	17	0.325572	0.80585039
GO	NF-kappaB binding	2	17	0.325572	0.80585039
GO	rough endoplasmic reticulum	2	17	0.325572	0.80585039
GO	anchored to plasma membrane	2	17	0.325572	0.80585039
GO	nuclear body	2	17	0.325572	0.80585039
GO	caspase activator activity	2	17	0.325572	0.80585039
GO	2 iron, 2 sulfur cluster binding	2	17	0.325572	0.80585039
GO	fatty acid binding	2	17	0.325572	0.80585039
GO	positive regulation of cell differentiation	2	17	0.325572	0.80585039
GO	embryonic pattern specification	2	17	0.325572	0.80585039
GO	embryonic hindlimb morphogenesis	2	17	0.325572	0.80585039
GO	epithelial to mesenchymal transition	2	17	0.325572	0.80585039
GO	regulation of excitatory postsynaptic membrane potential	2	17	0.325572	0.80585039
GO	glycerol metabolic process	2	17	0.325572	0.80585039
GO	negative regulation of insulin receptor signaling pathway	2	17	0.325572	0.80585039
GO	coreceptor activity	2	17	0.325572	0.80585039
GO	myofibril	2	17	0.325572	0.80585039
GO	ribonuclease activity	2	17	0.325572	0.80585039
GO	cell junction	29	387	0.329917	0.51883318
GO	cell death	10	123	0.331858	0.57111086
GO	transcription coactivator activity	15	192	0.333655	0.53957741
GO	transporter activity	22	290	0.3368	0.51098066
GO	protein tyrosine/serine/threonine phosphatase activity	3	30	0.337352	0.68754501
GO	cell morphogenesis	3	30	0.337352	0.68754501
GO	gene silencing by RNA	3	30	0.337352	0.68754501
GO	BMP signaling pathway	4	43	0.338476	0.64192388

GO cell-cell adhesion	6	70	0.344735	0.57683556
GO growth factor activity	12	152	0.345241	0.51992217
GO structural constituent of tooth enamel	1	6	0.346122	0.95450412
GO alcohol dehydrogenase (NAD) activity	1	6	0.346122	0.95450412
GO protein phosphatase 2B binding	1	6	0.346122	0.95450412
GO cellular phosphate ion homeostasis	1	6	0.346122	0.95450412
GO response to fructose stimulus	1	6	0.346122	0.95450412
GO bicarbonate transport	1	6	0.346122	0.95450412
GO fatty acid oxidation	1	6	0.346122	0.95450412
GO acylglycerol lipase activity	1	6	0.346122	0.95450412
GO alcohol metabolic process	1	6	0.346122	0.95450412
GO positive regulation of translational initiation	1	6	0.346122	0.95450412
GO response to dietary excess	1	6	0.346122	0.95450412
GO glycogen catabolic process	1	6	0.346122	0.95450412
GO response to glucagon stimulus	1	6	0.346122	0.95450412
GO retinoic acid metabolic process	1	6	0.346122	0.95450412
GO activation of transmembrane receptor protein tyrosine kinase activity	1	6	0.346122	0.95450412
GO synaptic vesicle transport	1	6	0.346122	0.95450412
GO negative regulation of synaptic transmission, glutamatergic	1	6	0.346122	0.95450412
GO positive regulation of growth hormone secretion	1	6	0.346122	0.95450412
GO regulation of inhibitory postsynaptic membrane potential	1	6	0.346122	0.95450412
GO positive regulation of epidermal growth factor receptor signaling path	1	6	0.346122	0.95450412
GO vasoconstriction	1	6	0.346122	0.95450412
GO glycoprotein biosynthetic process	1	6	0.346122	0.95450412
GO glucocorticoid receptor binding	1	6	0.346122	0.95450412
GO neuromuscular process controlling posture	1	6	0.346122	0.95450412
GO spinal cord motor neuron differentiation	1	6	0.346122	0.95450412
GO positive regulation of synaptic transmission, GABAergic	1	6	0.346122	0.95450412
GO germ cell migration	1	6	0.346122	0.95450412
GO actomyosin structure organization	1	6	0.346122	0.95450412
GO histone H3-K9 demethylation	1	6	0.346122	0.95450412
GO histone H4-K5 acetylation	1	6	0.346122	0.95450412
GO histone H4-K8 acetylation	1	6	0.346122	0.95450412
GO high-density lipoprotein binding	1	6	0.346122	0.95450412
GO arachidonic acid metabolic process	1	6	0.346122	0.95450412
GO nuclear envelope lumen	1	6	0.346122	0.95450412
GO fucose metabolic process	1	6	0.346122	0.95450412
GO extrinsic to external side of plasma membrane	1	6	0.346122	0.95450412
GO AP-2 adaptor complex	1	6	0.346122	0.95450412
GO glycoprotein catabolic process	1	6	0.346122	0.95450412
GO regulation of synaptic transmission, glutamatergic	1	6	0.346122	0.95450412
GO transmembrane receptor protein tyrosine kinase adaptor protein activ	1	6	0.346122	0.95450412
GO phagocytic vesicle	1	6	0.346122	0.95450412
GO negative regulation of survival gene product expression	1	6	0.346122	0.95450412
GO epithelial cell development	1	6	0.346122	0.95450412
GO hyaluronoglucosaminidase activity	1	6	0.346122	0.95450412
GO lung vasculature development	1	6	0.346122	0.95450412
GO positive regulation of insulin-like growth factor receptor signaling path	1	6	0.346122	0.95450412
GO ammonia transmembrane transporter activity	1	6	0.346122	0.95450412

GO ammonium transport	1	6	0.346122	0.95450412
GO cellular response to hypoxia	1	6	0.346122	0.95450412
GO cellular response to UV	1	6	0.346122	0.95450412
GO activation of protein kinase B activity	1	6	0.346122	0.95450412
GO lipoic acid binding	1	6	0.346122	0.95450412
GO response to manganese ion	1	6	0.346122	0.95450412
GO plasma membrane enriched fraction	1	6	0.346122	0.95450412
GO striated muscle cell differentiation	1	6	0.346122	0.95450412
GO endothelial cell differentiation	1	6	0.346122	0.95450412
GO glutathione binding	1	6	0.346122	0.95450412
GO catecholamine metabolic process	1	6	0.346122	0.95450412
GO enucleate erythrocyte differentiation	1	6	0.346122	0.95450412
GO forebrain neuron differentiation	1	6	0.346122	0.95450412
GO response to folic acid	1	6	0.346122	0.95450412
GO cytoplasmic sequestering of NF-kappaB	1	6	0.346122	0.95450412
GO cadmium ion binding	1	6	0.346122	0.95450412
GO negative regulation of glutamate secretion	1	6	0.346122	0.95450412
GO response to fluid shear stress	1	6	0.346122	0.95450412
GO L-phenylalanine catabolic process	1	6	0.346122	0.95450412
GO startle response	1	6	0.346122	0.95450412
GO peptide cross-linking via chondroitin 4-sulfate glycosaminoglycan	1	6	0.346122	0.95450412
GO glycolipid transport	1	6	0.346122	0.95450412
GO rough endoplasmic reticulum membrane	1	6	0.346122	0.95450412
GO antigen processing and presentation of endogenous peptide antigen v	1	6	0.346122	0.95450412
GO meiotic prophase I	1	6	0.346122	0.95450412
GO negative regulation of T cell activation	1	6	0.346122	0.95450412
GO DNA packaging	1	6	0.346122	0.95450412
GO complement activation, lectin pathway	1	6	0.346122	0.95450412
GO parturition	1	6	0.346122	0.95450412
GO cytidine deaminase activity	1	6	0.346122	0.95450412
GO apical junction complex	1	6	0.346122	0.95450412
GO exocytic vesicle	1	6	0.346122	0.95450412
GO erythrocyte development	1	6	0.346122	0.95450412
GO glycosphingolipid binding	1	6	0.346122	0.95450412
GO negative regulation of interleukin-2 production	1	6	0.346122	0.95450412
GO sodium channel regulator activity	1	6	0.346122	0.95450412
GO negative regulation of striated muscle tissue development	1	6	0.346122	0.95450412
GO ubiquitin-ubiquitin ligase activity	1	6	0.346122	0.95450412
GO Hsp70 protein binding	1	6	0.346122	0.95450412
GO amine metabolic process	1	6	0.346122	0.95450412
GO enzyme linked receptor protein signaling pathway	1	6	0.346122	0.95450412
GO positive regulation of alpha-beta T cell differentiation	1	6	0.346122	0.95450412
GO positive regulation of B cell differentiation	1	6	0.346122	0.95450412
GO macrophage activation	1	6	0.346122	0.95450412
GO positive regulation of tumor necrosis factor biosynthetic process	1	6	0.346122	0.95450412
GO podosome	1	6	0.346122	0.95450412
GO store-operated calcium channel activity	1	6	0.346122	0.95450412
GO C-X-C chemokine receptor activity	1	6	0.346122	0.95450412
GO DNA N-glycosylase activity	1	6	0.346122	0.95450412

GO thyroid hormone receptor activity	1	6	0.346122	0.95450412
GO hyaluronan metabolic process	1	6	0.346122	0.95450412
GO juxtapanode region of axon	1	6	0.346122	0.95450412
GO mammary gland epithelial cell proliferation	1	6	0.346122	0.95450412
GO proton-transporting V-type ATPase, V0 domain	1	6	0.346122	0.95450412
GO trophoblast giant cell differentiation	1	6	0.346122	0.95450412
GO phosphatidylinositol-3,5-bisphosphate binding	1	6	0.346122	0.95450412
GO positive regulation of BMP signaling pathway	1	6	0.346122	0.95450412
GO phospholipid homeostasis	1	6	0.346122	0.95450412
GO bile acid binding	1	6	0.346122	0.95450412
GO locomotory behavior	5	57	0.349956	0.58042152
GO neuron migration	5	57	0.349956	0.58042152
GO DNA damage checkpoint	2	18	0.351168	0.71929675
GO regulation of insulin secretion	2	18	0.351168	0.71929675
GO embryonic placenta development	2	18	0.351168	0.71929675
GO response to inorganic substance	2	18	0.351168	0.71929675
GO pancreas development	2	18	0.351168	0.71929675
GO WW domain binding	2	18	0.351168	0.71929675
GO protein import into nucleus, translocation	2	18	0.351168	0.71929675
GO ADP binding	2	18	0.351168	0.71929675
GO proton-transporting ATPase activity, rotational mechanism	2	18	0.351168	0.71929675
GO SNARE complex	2	18	0.351168	0.71929675
GO anion transport	2	18	0.351168	0.71929675
GO cytolysis	2	18	0.351168	0.71929675
GO recycling endosome	2	18	0.351168	0.71929675
GO pattern specification process	4	44	0.354357	0.5937249
GO protein stabilization	3	31	0.3565	0.62769707
GO cation binding	3	31	0.3565	0.62769707
GO phospholipid metabolic process	3	31	0.3565	0.62769707
GO NADP or NADPH binding	3	31	0.3565	0.62769707
GO embryonic digit morphogenesis	3	31	0.3565	0.62769707
GO ATPase activity, coupled to transmembrane movement of substances	3	31	0.3565	0.62769707
GO early endosome	7	85	0.361881	0.51281184
GO intracellular signaling pathway	14	182	0.362991	0.46063268
GO regulation of cell shape	5	58	0.363801	0.53979284
GO blood circulation	4	45	0.370236	0.54668287
GO regulation of G-protein coupled receptor protein signaling pathway	3	32	0.375571	0.5699078
GO peptide binding	3	32	0.375571	0.5699078
GO peptidyl-tyrosine phosphorylation	3	32	0.375571	0.5699078
GO G2/M transition of mitotic cell cycle	2	19	0.376419	0.63796267
GO negative regulation of adenylate cyclase activity	2	19	0.376419	0.63796267
GO patterning of blood vessels	2	19	0.376419	0.63796267
GO protein processing	2	19	0.376419	0.63796267
GO heterophilic cell-cell adhesion	2	19	0.376419	0.63796267
GO collagen catabolic process	2	19	0.376419	0.63796267
GO cadherin binding	2	19	0.376419	0.63796267
GO photoreceptor outer segment	2	19	0.376419	0.63796267
GO regulation of synaptic plasticity	2	19	0.376419	0.63796267
GO response to amino acid stimulus	2	19	0.376419	0.63796267

GO lipid transporter activity	2	19	0.376419	0.63796267
GO cell migration	5	59	0.377657	0.49989664
GO synaptic vesicle	4	46	0.386088	0.50073952
GO protein complex assembly	8	101	0.38621	0.43364765
GO protein trimerization	1	7	0.390828	0.78133269
GO adenosine deaminase activity	1	7	0.390828	0.78133269
GO sodium:phosphate symporter activity	1	7	0.390828	0.78133269
GO folic acid transport	1	7	0.390828	0.78133269
GO long-chain fatty acid transport	1	7	0.390828	0.78133269
GO regulation of Cdc42 GTPase activity	1	7	0.390828	0.78133269
GO adrenoceptor activity	1	7	0.390828	0.78133269
GO negative regulation of multicellular organism growth	1	7	0.390828	0.78133269
GO steroid hydroxylase activity	1	7	0.390828	0.78133269
GO ear development	1	7	0.390828	0.78133269
GO adenohypophysis development	1	7	0.390828	0.78133269
GO positive regulation of cholesterol esterification	1	7	0.390828	0.78133269
GO positive regulation of heart rate	1	7	0.390828	0.78133269
GO ephrin receptor signaling pathway	1	7	0.390828	0.78133269
GO positive regulation of proteolysis	1	7	0.390828	0.78133269
GO neurofilament cytoskeleton organization	1	7	0.390828	0.78133269
GO regulation of cell size	1	7	0.390828	0.78133269
GO surfactant homeostasis	1	7	0.390828	0.78133269
GO histone H4-K12 acetylation	1	7	0.390828	0.78133269
GO MOZ/MORF histone acetyltransferase complex	1	7	0.390828	0.78133269
GO alpha(1,3)-fucosyltransferase activity	1	7	0.390828	0.78133269
GO negative regulation of catalytic activity	1	7	0.390828	0.78133269
GO superoxide-generating NADPH oxidase activity	1	7	0.390828	0.78133269
GO enteric nervous system development	1	7	0.390828	0.78133269
GO regulation of cell-matrix adhesion	1	7	0.390828	0.78133269
GO prostate gland growth	1	7	0.390828	0.78133269
GO protein heterotetramerization	1	7	0.390828	0.78133269
GO receptor clustering	1	7	0.390828	0.78133269
GO LRR domain binding	1	7	0.390828	0.78133269
GO laminin-1 complex	1	7	0.390828	0.78133269
GO type I transforming growth factor beta receptor binding	1	7	0.390828	0.78133269
GO sympathetic nervous system development	1	7	0.390828	0.78133269
GO nucleosome disassembly	1	7	0.390828	0.78133269
GO citrate metabolic process	1	7	0.390828	0.78133269
GO anagen	1	7	0.390828	0.78133269
GO morphogenesis of an epithelial sheet	1	7	0.390828	0.78133269
GO death	1	7	0.390828	0.78133269
GO neuron maturation	1	7	0.390828	0.78133269
GO extracellular ATP-gated cation channel activity	1	7	0.390828	0.78133269
GO purinergic nucleotide receptor activity	1	7	0.390828	0.78133269
GO glycoprotein metabolic process	1	7	0.390828	0.78133269
GO protein metabolic process	1	7	0.390828	0.78133269
GO peptide biosynthetic process	1	7	0.390828	0.78133269
GO semaphorin receptor activity	1	7	0.390828	0.78133269
GO DNA damage response, signal transduction by p53 class mediator resu	1	7	0.390828	0.78133269

GO	protein K48-linked deubiquitination	1	7	0.390828	0.78133269
GO	negative regulation of cell-matrix adhesion	1	7	0.390828	0.78133269
GO	nerve development	1	7	0.390828	0.78133269
GO	negative regulation of cell size	1	7	0.390828	0.78133269
GO	glutamate binding	1	7	0.390828	0.78133269
GO	ankyrin binding	1	7	0.390828	0.78133269
GO	nuclear hormone receptor binding	1	7	0.390828	0.78133269
GO	dynein binding	1	7	0.390828	0.78133269
GO	synaptic transmission, dopaminergic	1	7	0.390828	0.78133269
GO	synaptic vesicle endocytosis	1	7	0.390828	0.78133269
GO	response to mercury ion	1	7	0.390828	0.78133269
GO	positive regulation of alpha-beta T cell proliferation	1	7	0.390828	0.78133269
GO	type II transforming growth factor beta receptor binding	1	7	0.390828	0.78133269
GO	erythrocyte maturation	1	7	0.390828	0.78133269
GO	positive regulation of interleukin-10 production	1	7	0.390828	0.78133269
GO	positive regulation of interleukin-8 biosynthetic process	1	7	0.390828	0.78133269
GO	positive regulation of MHC class II biosynthetic process	1	7	0.390828	0.78133269
GO	response to molecule of bacterial origin	1	7	0.390828	0.78133269
GO	membrane attack complex	1	7	0.390828	0.78133269
GO	AU-rich element binding	1	7	0.390828	0.78133269
GO	developmental pigmentation	1	7	0.390828	0.78133269
GO	secretion	1	7	0.390828	0.78133269
GO	adult behavior	1	7	0.390828	0.78133269
GO	titin binding	1	7	0.390828	0.78133269
GO	detection of mechanical stimulus involved in sensory perception of so	1	7	0.390828	0.78133269
GO	neurological system process	1	7	0.390828	0.78133269
GO	pentose-phosphate shunt	1	7	0.390828	0.78133269
GO	positive regulation of cell-cell adhesion	1	7	0.390828	0.78133269
GO	response to lipid	1	7	0.390828	0.78133269
GO	protein deacetylase activity	1	7	0.390828	0.78133269
GO	mitochondrial outer membrane translocase complex	1	7	0.390828	0.78133269
GO	clathrin coat assembly	1	7	0.390828	0.78133269
GO	sister chromatid cohesion	1	7	0.390828	0.78133269
GO	specific RNA polymerase II transcription factor activity	3	33	0.394523	0.51403165
GO	endosome	16	215	0.399293	0.35473993
GO	desmosome	2	20	0.401252	0.56123017
GO	dendrite development	2	20	0.401252	0.56123017
GO	connexon complex	2	20	0.401252	0.56123017
GO	positive regulation of protein kinase B signaling cascade	2	20	0.401252	0.56123017
GO	response to radiation	2	20	0.401252	0.56123017
GO	neural crest cell migration	2	20	0.401252	0.56123017
GO	phosphate metabolic process	2	20	0.401252	0.56123017
GO	neuron differentiation	4	47	0.401887	0.45584076
GO	exocytosis	4	47	0.401887	0.45584076
GO	response to heat	4	47	0.401887	0.45584076
GO	protein domain specific binding	9	117	0.40689	0.36869127
GO	positive regulation of cell growth	3	34	0.41332	0.45993767
GO	platelet alpha granule lumen	3	34	0.41332	0.45993767
GO	receptor signaling protein activity	3	34	0.41332	0.45993767

GO presynaptic membrane	3	34	0.41332	0.45993767
GO visual perception	14	189	0.417461	0.31350579
GO serine-type peptidase activity	4	48	0.417611	0.41193633
GO integrin binding	5	62	0.419113	0.38432911
GO ATPase activity, coupled to transmembrane movement of ions, phospl	2	21	0.425606	0.48858248
GO aromatase activity	2	21	0.425606	0.48858248
GO negative regulation of caspase activity	2	21	0.425606	0.48858248
GO regulation of multicellular organism growth	2	21	0.425606	0.48858248
GO defense response to virus	2	21	0.425606	0.48858248
GO release of cytochrome c from mitochondria	2	21	0.425606	0.48858248
GO positive regulation of mesenchymal cell proliferation	2	21	0.425606	0.48858248
GO sensory perception of sound	7	91	0.430199	0.32493141
GO induction of apoptosis by extracellular signals	7	91	0.430199	0.32493141
GO negative regulation of transcription	11	148	0.431903	0.2892346
GO transmembrane receptor protein tyrosine kinase activity	3	35	0.431928	0.40750761
GO acute-phase response	3	35	0.431928	0.40750761
GO excretion	3	35	0.431928	0.40750761
GO U12-type spliceosomal complex	1	8	0.432479	0.63510975
GO poly(A) RNA binding	1	8	0.432479	0.63510975
GO creatine metabolic process	1	8	0.432479	0.63510975
GO triglyceride catabolic process	1	8	0.432479	0.63510975
GO retinoid binding	1	8	0.432479	0.63510975
GO positive regulation of cell-matrix adhesion	1	8	0.432479	0.63510975
GO regulation of catalytic activity	1	8	0.432479	0.63510975
GO small GTPase binding	1	8	0.432479	0.63510975
GO sexual reproduction	1	8	0.432479	0.63510975
GO negative regulation of protein kinase B signaling cascade	1	8	0.432479	0.63510975
GO prepulse inhibition	1	8	0.432479	0.63510975
GO dopamine receptor signaling pathway	1	8	0.432479	0.63510975
GO response to salt stress	1	8	0.432479	0.63510975
GO non-membrane spanning protein tyrosine phosphatase activity	1	8	0.432479	0.63510975
GO ephrin receptor binding	1	8	0.432479	0.63510975
GO tail morphogenesis	1	8	0.432479	0.63510975
GO protein-DNA complex	1	8	0.432479	0.63510975
GO adenylate kinase activity	1	8	0.432479	0.63510975
GO GABA receptor binding	1	8	0.432479	0.63510975
GO histone H4-K16 acetylation	1	8	0.432479	0.63510975
GO clathrin binding	1	8	0.432479	0.63510975
GO protein homotrimerization	1	8	0.432479	0.63510975
GO tumor necrosis factor-mediated signaling pathway	1	8	0.432479	0.63510975
GO protein destabilization	1	8	0.432479	0.63510975
GO histidine catabolic process	1	8	0.432479	0.63510975
GO antigen processing and presentation of peptide antigen via MHC class	1	8	0.432479	0.63510975
GO positive regulation of JAK-STAT cascade	1	8	0.432479	0.63510975
GO male sex determination	1	8	0.432479	0.63510975
GO synapse organization	1	8	0.432479	0.63510975
GO epithelial cell proliferation	1	8	0.432479	0.63510975
GO intestinal cholesterol absorption	1	8	0.432479	0.63510975
GO embryonic hemopoiesis	1	8	0.432479	0.63510975

GO co-SMAD binding	1	8	0.432479	0.63510975
GO SMAD protein complex assembly	1	8	0.432479	0.63510975
GO neurotransmitter catabolic process	1	8	0.432479	0.63510975
GO heterochromatin	1	8	0.432479	0.63510975
GO response to lithium ion	1	8	0.432479	0.63510975
GO hemostasis	1	8	0.432479	0.63510975
GO nuclear localization sequence binding	1	8	0.432479	0.63510975
GO positive regulation of cholesterol efflux	1	8	0.432479	0.63510975
GO arginine catabolic process	1	8	0.432479	0.63510975
GO central nervous system projection neuron axonogenesis	1	8	0.432479	0.63510975
GO hydrogen-exporting ATPase activity, phosphorylative mechanism	1	8	0.432479	0.63510975
GO phospholipase inhibitor activity	1	8	0.432479	0.63510975
GO response to sucrose stimulus	1	8	0.432479	0.63510975
GO cyclin binding	1	8	0.432479	0.63510975
GO pharyngeal system development	1	8	0.432479	0.63510975
GO RNA polymerase II transcription elongation factor activity	1	8	0.432479	0.63510975
GO transferase activity, transferring nitrogenous groups	1	8	0.432479	0.63510975
GO protein K63-linked deubiquitination	1	8	0.432479	0.63510975
GO sodium:dicarboxylate symporter activity	1	8	0.432479	0.63510975
GO hemopoietic progenitor cell differentiation	1	8	0.432479	0.63510975
GO membrane-bounded vesicle	1	8	0.432479	0.63510975
GO protein localization in nucleus	1	8	0.432479	0.63510975
GO SNARE binding	1	8	0.432479	0.63510975
GO antioxidant activity	1	8	0.432479	0.63510975
GO immunoglobulin mediated immune response	1	8	0.432479	0.63510975
GO cellular protein localization	1	8	0.432479	0.63510975
GO diacylglycerol binding	1	8	0.432479	0.63510975
GO intrinsic to membrane	1	8	0.432479	0.63510975
GO transmembrane receptor protein serine/threonine kinase signaling pa	1	8	0.432479	0.63510975
GO phosphatidylcholine binding	1	8	0.432479	0.63510975
GO negative regulation of bone resorption	1	8	0.432479	0.63510975
GO amyloid precursor protein catabolic process	1	8	0.432479	0.63510975
GO actin monomer binding	1	8	0.432479	0.63510975
GO cell redox homeostasis	5	63	0.432841	0.34709641
GO PDZ domain binding	4	49	0.433237	0.36897945
GO caveola	4	49	0.433237	0.36897945
GO response to unfolded protein	4	49	0.433237	0.36897945
GO protein serine/threonine kinase activity	24	335	0.435806	0.24102365
GO nuclear envelope	7	92	0.441537	0.29486273
GO protein tyrosine kinase activity	6	78	0.444041	0.30072463
GO hormone-mediated signaling pathway	4	50	0.448745	0.32692649
GO small GTPase mediated signal transduction	14	193	0.448747	0.23188953
GO microvillus	2	22	0.449431	0.41958338
GO calcium-independent cell-cell adhesion	2	22	0.449431	0.41958338
GO photoreceptor cell maintenance	2	22	0.449431	0.41958338
GO placenta development	2	22	0.449431	0.41958338
GO pigmentation	2	22	0.449431	0.41958338
GO eating behavior	2	22	0.449431	0.41958338
GO histone-lysine N-methyltransferase activity	2	22	0.449431	0.41958338

GO transport	36	511	0.449876	0.19087566
GO cellular amino acid metabolic process	3	36	0.450315	0.35663439
GO I-kappaB kinase/NF-kappaB cascade	3	36	0.450315	0.35663439
GO perinuclear region of cytoplasm	22	309	0.453056	0.20011044
GO postsynaptic density	6	79	0.456325	0.26828682
GO nervous system development	27	382	0.456901	0.18249763
GO muscle organ development	7	94	0.464094	0.23571406
GO cell projection	7	94	0.464094	0.23571406
GO regulation of growth	4	51	0.464116	0.28573671
GO secretory granule	4	51	0.464116	0.28573671
GO cartilage development	3	37	0.468453	0.30722074
GO protein catabolic process	3	37	0.468453	0.30722074
GO protein localization at cell surface	1	9	0.471284	0.50849902
GO androgen metabolic process	1	9	0.471284	0.50849902
GO mitotic cell cycle	1	9	0.471284	0.50849902
GO pseudopodium	1	9	0.471284	0.50849902
GO adult feeding behavior	1	9	0.471284	0.50849902
GO dendrite cytoplasm	1	9	0.471284	0.50849902
GO macrophage differentiation	1	9	0.471284	0.50849902
GO histone monoubiquitination	1	9	0.471284	0.50849902
GO gonad development	1	9	0.471284	0.50849902
GO lamellipodium membrane	1	9	0.471284	0.50849902
GO positive regulation of JUN kinase activity	1	9	0.471284	0.50849902
GO cellular response to reactive oxygen species	1	9	0.471284	0.50849902
GO sleep	1	9	0.471284	0.50849902
GO L-fucose catabolic process	1	9	0.471284	0.50849902
GO positive regulation of receptor-mediated endocytosis	1	9	0.471284	0.50849902
GO DNA damage response, signal transduction by p53 class mediator resu	1	9	0.471284	0.50849902
GO specific granule	1	9	0.471284	0.50849902
GO serotonin binding	1	9	0.471284	0.50849902
GO positive regulation of tyrosine phosphorylation of Stat5 protein	1	9	0.471284	0.50849902
GO proteoglycan biosynthetic process	1	9	0.471284	0.50849902
GO regulation of peptidyl-tyrosine phosphorylation	1	9	0.471284	0.50849902
GO muscarinic acetylcholine receptor signaling pathway	1	9	0.471284	0.50849902
GO positive regulation of nitric-oxide synthase activity	1	9	0.471284	0.50849902
GO branching involved in salivary gland morphogenesis	1	9	0.471284	0.50849902
GO organ growth	1	9	0.471284	0.50849902
GO axonal fasciculation	1	9	0.471284	0.50849902
GO central nervous system neuron differentiation	1	9	0.471284	0.50849902
GO MHC class I protein binding	1	9	0.471284	0.50849902
GO vacuolar proton-transporting V-type ATPase complex	1	9	0.471284	0.50849902
GO insulin-like growth factor receptor signaling pathway	1	9	0.471284	0.50849902
GO maintenance of protein location in nucleus	1	9	0.471284	0.50849902
GO female gonad development	1	9	0.471284	0.50849902
GO organic anion transmembrane transporter activity	1	9	0.471284	0.50849902
GO grooming behavior	1	9	0.471284	0.50849902
GO response to pain	1	9	0.471284	0.50849902
GO apical protein localization	1	9	0.471284	0.50849902
GO melanosome transport	1	9	0.471284	0.50849902

GO negative regulation of S phase of mitotic cell cycle	1	9	0.471284	0.50849902
GO detection of bacterium	1	9	0.471284	0.50849902
GO dicarboxylic acid transport	1	9	0.471284	0.50849902
GO epithelial tube branching involved in lung morphogenesis	1	9	0.471284	0.50849902
GO smooth muscle tissue development	1	9	0.471284	0.50849902
GO muscle cell differentiation	1	9	0.471284	0.50849902
GO positive regulation of release of sequestered calcium ion into cytosol	1	9	0.471284	0.50849902
GO spectrin	1	9	0.471284	0.50849902
GO T-helper 1 type immune response	1	9	0.471284	0.50849902
GO cleavage furrow	1	9	0.471284	0.50849902
GO DNA-(apurinic or apyrimidinic site) lyase activity	1	9	0.471284	0.50849902
GO quinone binding	1	9	0.471284	0.50849902
GO sensory perception of light stimulus	1	9	0.471284	0.50849902
GO ER overload response	1	9	0.471284	0.50849902
GO hedgehog receptor activity	1	9	0.471284	0.50849902
GO two-component signal transduction system (phosphorelay)	1	9	0.471284	0.50849902
GO oligosaccharide biosynthetic process	1	9	0.471284	0.50849902
GO response to food	1	9	0.471284	0.50849902
GO ovulation from ovarian follicle	1	9	0.471284	0.50849902
GO phospholipid efflux	1	9	0.471284	0.50849902
GO retinoid X receptor binding	1	9	0.471284	0.50849902
GO condensed nuclear chromosome, centromeric region	1	9	0.471284	0.50849902
GO sarcoplasmic reticulum	2	23	0.472685	0.35386157
GO positive regulation of multicellular organism growth	2	23	0.472685	0.35386157
GO protease binding	2	23	0.472685	0.35386157
GO ER-associated protein catabolic process	2	23	0.472685	0.35386157
GO erythrocyte differentiation	2	23	0.472685	0.35386157
GO regulation of cell adhesion	2	23	0.472685	0.35386157
GO Golgi stack	2	23	0.472685	0.35386157
GO nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	5	66	0.473545	0.23895159
GO DNA binding	96	1392	0.478792	0.09481585
GO signal transducer activity	20	285	0.484792	0.12317081
GO carbohydrate metabolic process	14	198	0.487656	0.13222615
GO microtubule cytoskeleton	4	53	0.494376	0.20579677
GO cellular membrane organization	4	53	0.494376	0.20579677
GO activation of adenylate cyclase activity	2	24	0.495335	0.29109863
GO oxygen and reactive oxygen species metabolic process	2	24	0.495335	0.29109863
GO peripheral nervous system development	2	24	0.495335	0.29109863
GO histone H3 acetylation	2	24	0.495335	0.29109863
GO cilium assembly	2	24	0.495335	0.29109863
GO transmembrane transport	34	492	0.499301	0.06746496
GO beta-catenin binding	3	39	0.503887	0.21242552
GO insoluble fraction	3	39	0.503887	0.21242552
GO G-protein signaling, coupled to cyclic nucleotide second messenger	3	39	0.503887	0.21242552
GO aging	6	83	0.504703	0.14259162
GO chromatin silencing	1	10	0.507438	0.39674511
GO cellular respiration	1	10	0.507438	0.39674511
GO acetylcholine binding	1	10	0.507438	0.39674511
GO cognition	1	10	0.507438	0.39674511

GO	ribonucleoprotein binding	1	10	0.507438	0.39674511
GO	urea cycle	1	10	0.507438	0.39674511
GO	positive regulation of cytokine production	1	10	0.507438	0.39674511
GO	positive regulation of collagen biosynthetic process	1	10	0.507438	0.39674511
GO	protein kinase B signaling cascade	1	10	0.507438	0.39674511
GO	carboxylic acid metabolic process	1	10	0.507438	0.39674511
GO	histone acetyltransferase binding	1	10	0.507438	0.39674511
GO	IkappaB kinase complex	1	10	0.507438	0.39674511
GO	MHC class I receptor activity	1	10	0.507438	0.39674511
GO	positive regulation of smooth muscle cell migration	1	10	0.507438	0.39674511
GO	acyl-CoA dehydrogenase activity	1	10	0.507438	0.39674511
GO	water channel activity	1	10	0.507438	0.39674511
GO	morphogenesis of embryonic epithelium	1	10	0.507438	0.39674511
GO	substrate adhesion-dependent cell spreading	1	10	0.507438	0.39674511
GO	I-SMAD binding	1	10	0.507438	0.39674511
GO	oxygen transporter activity	1	10	0.507438	0.39674511
GO	oxygen transport	1	10	0.507438	0.39674511
GO	lipopolysaccharide-mediated signaling pathway	1	10	0.507438	0.39674511
GO	stem cell maintenance	1	10	0.507438	0.39674511
GO	Golgi lumen	1	10	0.507438	0.39674511
GO	CUL4 RING ubiquitin ligase complex	1	10	0.507438	0.39674511
GO	cAMP-dependent protein kinase complex	1	10	0.507438	0.39674511
GO	transmission of nerve impulse	1	10	0.507438	0.39674511
GO	isotype switching	1	10	0.507438	0.39674511
GO	cardiac muscle tissue development	1	10	0.507438	0.39674511
GO	signalosome	1	10	0.507438	0.39674511
GO	L-glutamate transmembrane transporter activity	1	10	0.507438	0.39674511
GO	calcium ion homeostasis	1	10	0.507438	0.39674511
GO	platelet alpha granule membrane	1	10	0.507438	0.39674511
GO	platelet alpha granule	1	10	0.507438	0.39674511
GO	B cell receptor signaling pathway	1	10	0.507438	0.39674511
GO	interleukin-1 receptor binding	1	10	0.507438	0.39674511
GO	tumor necrosis factor receptor activity	1	10	0.507438	0.39674511
GO	complement activation	1	10	0.507438	0.39674511
GO	mRNA catabolic process	1	10	0.507438	0.39674511
GO	XY body	1	10	0.507438	0.39674511
GO	killing of cells of another organism	1	10	0.507438	0.39674511
GO	calcium ion-dependent exocytosis	1	10	0.507438	0.39674511
GO	cytokine binding	1	10	0.507438	0.39674511
GO	embryonic digestive tract development	1	10	0.507438	0.39674511
GO	mRNA cap binding complex	1	10	0.507438	0.39674511
GO	NAD metabolic process	1	10	0.507438	0.39674511
GO	positive regulation of T cell activation	1	10	0.507438	0.39674511
GO	cellular component movement	7	98	0.508499	0.12115542
GO	dendrite	9	128	0.514696	0.08836645
GO	melanosome	6	84	0.516562	0.11212658
GO	mitochondrial intermembrane space	2	25	0.517355	0.23101953
GO	lipid biosynthetic process	2	25	0.517355	0.23101953
GO	glycoprotein binding	2	25	0.517355	0.23101953

GO heterotrimeric G-protein complex	2	25	0.517355	0.23101953
GO fat cell differentiation	2	25	0.517355	0.23101953
GO osteoblast differentiation	2	25	0.517355	0.23101953
GO stress fiber	2	25	0.517355	0.23101953
GO receptor-mediated endocytosis	3	40	0.52114	0.16688897
GO catalytic activity	8	114	0.521942	0.07754642
GO response to toxin	4	55	0.523889	0.12888284
GO cytoplasmic membrane-bounded vesicle	6	85	0.528309	0.08202449
GO voltage-gated potassium channel complex	6	85	0.528309	0.08202449
GO magnesium ion binding	11	159	0.528326	0.04186063
GO negative regulation of cell cycle	3	41	0.53806	0.12250048
GO protein import into nucleus	2	26	0.538725	0.17338525
GO triglyceride metabolic process	2	26	0.538725	0.17338525
GO skin development	2	26	0.538725	0.17338525
GO terminal button	2	26	0.538725	0.17338525
GO embryo implantation	2	26	0.538725	0.17338525
GO lamellipodium	5	71	0.53903	0.06939483
GO focal adhesion	6	86	0.539939	0.05227575
GO dipeptidyl-peptidase activity	1	11	0.541121	0.29660426
GO motor axon guidance	1	11	0.541121	0.29660426
GO positive regulation of axon extension	1	11	0.541121	0.29660426
GO negative regulation of JNK cascade	1	11	0.541121	0.29660426
GO fibroblast growth factor binding	1	11	0.541121	0.29660426
GO DNA bending activity	1	11	0.541121	0.29660426
GO maternal process involved in female pregnancy	1	11	0.541121	0.29660426
GO sodium channel activity	1	11	0.541121	0.29660426
GO SCF ubiquitin ligase complex	1	11	0.541121	0.29660426
GO positive regulation of vascular endothelial growth factor receptor sign	1	11	0.541121	0.29660426
GO myelin sheath	1	11	0.541121	0.29660426
GO trophoctodermal cell differentiation	1	11	0.541121	0.29660426
GO delayed rectifier potassium channel activity	1	11	0.541121	0.29660426
GO low-density lipoprotein receptor activity	1	11	0.541121	0.29660426
GO actin filament polymerization	1	11	0.541121	0.29660426
GO positive regulation of epithelial to mesenchymal transition	1	11	0.541121	0.29660426
GO positive regulation of neurogenesis	1	11	0.541121	0.29660426
GO methionine biosynthetic process	1	11	0.541121	0.29660426
GO gamma-tubulin binding	1	11	0.541121	0.29660426
GO FMN binding	1	11	0.541121	0.29660426
GO nitric oxide biosynthetic process	1	11	0.541121	0.29660426
GO oligodendrocyte differentiation	1	11	0.541121	0.29660426
GO positive regulation of calcium ion transport into cytosol	1	11	0.541121	0.29660426
GO Ras GTPase binding	1	11	0.541121	0.29660426
GO intermediate filament cytoskeleton	1	11	0.541121	0.29660426
GO neuropeptide receptor activity	1	11	0.541121	0.29660426
GO replication fork	1	11	0.541121	0.29660426
GO npBAF complex	1	11	0.541121	0.29660426
GO cellular response to oxidative stress	1	11	0.541121	0.29660426
GO response to magnesium ion	1	11	0.541121	0.29660426
GO positive regulation of interferon-gamma biosynthetic process	1	11	0.541121	0.29660426

GO positive regulation of interferon-gamma production	1	11	0.541121	0.29660426
GO initiation of viral infection	1	11	0.541121	0.29660426
GO positive regulation of erythrocyte differentiation	1	11	0.541121	0.29660426
GO phosphatidylinositol-3,4-bisphosphate binding	1	11	0.541121	0.29660426
GO pyridine nucleotide biosynthetic process	1	11	0.541121	0.29660426
GO P-P-bond-hydrolysis-driven protein transmembrane transporter activit	1	11	0.541121	0.29660426
GO bile acid metabolic process	1	11	0.541121	0.29660426
GO oocyte maturation	1	11	0.541121	0.29660426
GO transcription regulator activity	7	102	0.551579	0.01120772
GO synaptic vesicle membrane	3	42	0.554633	0.07919755
GO JAK-STAT cascade	2	27	0.559431	0.11798685
GO negative regulation of Wnt receptor signaling pathway	2	27	0.559431	0.11798685
GO phagocytosis	2	27	0.559431	0.11798685
GO cell aging	2	27	0.559431	0.11798685
GO meiosis	4	58	0.56653	0.01865991
GO structural constituent of muscle	3	43	0.570845	0.03692257
GO ligand-dependent nuclear receptor binding	1	12	0.572503	0.20577273
GO lysophospholipase activity	1	12	0.572503	0.20577273
GO response to chemical stimulus	1	12	0.572503	0.20577273
GO endothelial cell migration	1	12	0.572503	0.20577273
GO release of sequestered calcium ion into cytosol	1	12	0.572503	0.20577273
GO ephrin receptor activity	1	12	0.572503	0.20577273
GO acetyltransferase activity	1	12	0.572503	0.20577273
GO arylsulfatase activity	1	12	0.572503	0.20577273
GO glutamate receptor activity	1	12	0.572503	0.20577273
GO estradiol 17-beta-dehydrogenase activity	1	12	0.572503	0.20577273
GO male meiosis	1	12	0.572503	0.20577273
GO positive regulation of peptidyl-serine phosphorylation	1	12	0.572503	0.20577273
GO cGMP biosynthetic process	1	12	0.572503	0.20577273
GO activation of protein kinase activity	1	12	0.572503	0.20577273
GO platelet-derived growth factor receptor binding	1	12	0.572503	0.20577273
GO smooth muscle contraction	1	12	0.572503	0.20577273
GO endochondral ossification	1	12	0.572503	0.20577273
GO hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds	1	12	0.572503	0.20577273
GO mitochondrial ATP synthesis coupled proton transport	1	12	0.572503	0.20577273
GO triglyceride homeostasis	1	12	0.572503	0.20577273
GO axon terminus	1	12	0.572503	0.20577273
GO costamere	1	12	0.572503	0.20577273
GO histone methylation	1	12	0.572503	0.20577273
GO iron-sulfur cluster binding	1	12	0.572503	0.20577273
GO calcium channel regulator activity	1	12	0.572503	0.20577273
GO positive regulation of cellular component movement	1	12	0.572503	0.20577273
GO voltage-gated sodium channel complex	1	12	0.572503	0.20577273
GO positive regulation of innate immune response	1	12	0.572503	0.20577273
GO dorsal/ventral neural tube patterning	1	12	0.572503	0.20577273
GO nBAF complex	1	12	0.572503	0.20577273
GO alpha-tubulin binding	1	12	0.572503	0.20577273
GO ferrous iron binding	1	12	0.572503	0.20577273
GO glutamate signaling pathway	1	12	0.572503	0.20577273

GO T cell receptor complex	1	12	0.572503	0.20577273
GO negative regulation of cyclin-dependent protein kinase activity	1	12	0.572503	0.20577273
GO regulation of muscle contraction	1	12	0.572503	0.20577273
GO NLS-bearing substrate import into nucleus	1	12	0.572503	0.20577273
GO mammary gland alveolus development	1	12	0.572503	0.20577273
GO regulation of lipid metabolic process	1	12	0.572503	0.20577273
GO cholesterol transporter activity	1	12	0.572503	0.20577273
GO protein oligomerization	2	28	0.579464	0.06464066
GO activation of phospholipase C activity by G-protein coupled receptor p	2	28	0.579464	0.06464066
GO negative regulation of transforming growth factor beta receptor signal	2	28	0.579464	0.06464066
GO small GTPase regulator activity	2	28	0.579464	0.06464066
GO antigen processing and presentation	2	28	0.579464	0.06464066
GO regulation of cell migration	2	28	0.579464	0.06464066
GO ruffle membrane	2	29	0.598819	0.01318446
GO chaperone binding	2	29	0.598819	0.01318446
GO cyclin-dependent protein kinase activity	2	29	0.598819	0.01318446
GO phosphate binding	1	13	0.60174	0.12255989
GO cAMP biosynthetic process	1	13	0.60174	0.12255989
GO folic acid binding	1	13	0.60174	0.12255989
GO cell wall macromolecule catabolic process	1	13	0.60174	0.12255989
GO regulation of cell differentiation	1	13	0.60174	0.12255989
GO bone resorption	1	13	0.60174	0.12255989
GO steroid hormone receptor signaling pathway	1	13	0.60174	0.12255989
GO epidermal growth factor receptor binding	1	13	0.60174	0.12255989
GO positive regulation of hormone secretion	1	13	0.60174	0.12255989
GO endosome organization	1	13	0.60174	0.12255989
GO receptor signaling complex scaffold activity	1	13	0.60174	0.12255989
GO fibroblast growth factor receptor binding	1	13	0.60174	0.12255989
GO superoxide anion generation	1	13	0.60174	0.12255989
GO serotonin receptor activity	1	13	0.60174	0.12255989
GO glial cell differentiation	1	13	0.60174	0.12255989
GO myoblast differentiation	1	13	0.60174	0.12255989
GO extracellular matrix binding	1	13	0.60174	0.12255989
GO oligodendrocyte development	1	13	0.60174	0.12255989
GO hydrogen ion transporting ATP synthase activity, rotational mechanisn	1	13	0.60174	0.12255989
GO protein autoubiquitination	1	13	0.60174	0.12255989
GO retrograde transport, endosome to Golgi	1	13	0.60174	0.12255989
GO transcription elongation factor complex	1	13	0.60174	0.12255989
GO regulation of protein kinase activity	1	13	0.60174	0.12255989
GO organic anion transport	1	13	0.60174	0.12255989
GO regulation of smooth muscle contraction	1	13	0.60174	0.12255989
GO hippo signaling pathway	1	13	0.60174	0.12255989
GO negative regulation of phosphorylation	1	13	0.60174	0.12255989
GO low-density lipoprotein binding	1	13	0.60174	0.12255989
GO myosin binding	1	13	0.60174	0.12255989
GO lipid homeostasis	1	13	0.60174	0.12255989
GO T cell homeostasis	1	13	0.60174	0.12255989
GO response to bacterium	1	13	0.60174	0.12255989
GO high-density lipoprotein particle remodeling	1	13	0.60174	0.12255989

GO	DNA-directed RNA polymerase II, core complex	1	14	0.628979	0.04569098
GO	senescence	1	14	0.628979	0.04569098
GO	dynein complex	1	14	0.628979	0.04569098
GO	nuclear heterochromatin	1	14	0.628979	0.04569098
GO	DNA methylation	1	14	0.628979	0.04569098
GO	cellular response to starvation	1	14	0.628979	0.04569098
GO	membrane protein ectodomain proteolysis	1	14	0.628979	0.04569098
GO	regulation of action potential	1	14	0.628979	0.04569098
GO	anatomical structure formation involved in morphogenesis	1	14	0.628979	0.04569098
GO	positive regulation of transforming growth factor beta receptor signaling	1	14	0.628979	0.04569098
GO	regulation of transforming growth factor beta receptor signaling pathway	1	14	0.628979	0.04569098
GO	phosphoinositide phosphorylation	1	14	0.628979	0.04569098
GO	3'-5' exonuclease activity	1	14	0.628979	0.04569098
GO	cytokine production	1	14	0.628979	0.04569098
GO	microtubule-based flagellum	1	14	0.628979	0.04569098
GO	response to interferon-gamma	1	14	0.628979	0.04569098
GO	tropomyosin binding	1	14	0.628979	0.04569098
GO	filamentous actin	1	14	0.628979	0.04569098
GO	voltage-gated potassium channel activity	3	63	0.989	-0.6530869
GO	chromatin modification	11	204	0.989	-0.8209609
GO	chromatin organization	1	19	0.989	-0.2716131
GO	chromatin remodeling	2	46	0.989	-0.6692339
GO	cytoplasm	293	4355	0.989	-0.318496
GO	hydrolase activity	61	917	0.989	-0.2247214
GO	nucleus	305	4735	0.989	-1.2382054
GO	regulation of transcription	64	956	0.989	-0.1763453
GO	specific transcriptional repressor activity	2	38	0.989	-0.3843114
GO	homophilic cell adhesion	8	135	0.989	-0.4199774
GO	Wnt receptor signaling pathway through beta-catenin	1	23	0.989	-0.4729329
GO	RNA splicing	5	251	0.989	-3.0606908
GO	carbohydrate biosynthetic process	1	17	0.989	-0.1556918
GO	transferase activity	57	1127	0.989	-2.4376244
GO	lysosomal membrane	2	83	0.989	-1.6011028
GO	soluble fraction	20	315	0.989	-0.3444081
GO	cellular_component	34	528	0.989	-0.3651737
GO	cytosol	59	1230	0.989	-2.9289359
GO	acyltransferase activity	5	133	0.989	-1.4104393
GO	integral to endoplasmic reticulum membrane	2	46	0.989	-0.6692339
GO	cytoskeleton	39	635	0.989	-0.7039731
GO	ATP binding	87	1426	0.989	-1.1418424
GO	negative regulation of transcription factor activity	1	30	0.989	-0.7605964
GO	protein kinase activity	7	170	0.989	-1.4102369
GO	microtubule	9	233	0.989	-1.8089579
GO	intracellular protein transport	2	174	0.989	-2.9856027
GO	protein transporter activity	2	69	0.989	-1.2980687
GO	protein transport	25	388	0.989	-0.308779
GO	ER to Golgi vesicle-mediated transport	1	41	0.989	-1.1165976
GO	vesicle-mediated transport	6	165	0.989	-1.635216
GO	membrane fraction	31	472	0.989	-0.2327974

GO hydrogen ion transmembrane transporter activity	1	20	0.989	-0.325338
GO mitochondrion	51	1193	0.989	-3.6193147
GO Cajal body	1	38	0.989	-1.0278009
GO ligase activity	16	303	0.989	-1.0807961
GO nuclear speck	4	111	0.989	-1.3530016
GO double-stranded RNA binding	2	31	0.989	-0.0846181
GO mRNA processing	5	231	0.989	-2.83014
GO nucleolus	41	692	0.989	-0.9663498
GO nucleoplasm	12	455	0.989	-3.5913344
GO RNA binding	17	562	0.989	-3.6333204
GO RNA processing	3	80	0.989	-1.0956941
GO axon guidance	4	71	0.989	-0.4017804
GO endoplasmic reticulum lumen	3	68	0.989	-0.7932213
GO biological_process	36	547	0.989	-0.2383713
GO sodium ion transport	7	129	0.989	-0.6360887
GO cell cycle	19	458	0.989	-2.3061836
GO female gamete generation	1	15	0.989	-0.0258174
GO regulation of gene expression	2	32	0.989	-0.1312076
GO nucleotide binding	110	1859	0.989	-1.650776
GO ATPase activity	8	128	0.989	-0.2630822
GO cholesterol biosynthetic process	1	25	0.989	-0.5620556
GO cytoplasmic vesicle membrane	4	61	0.989	-0.0860063
GO early endosome membrane	1	37	0.989	-0.9969995
GO enzyme binding	7	114	0.989	-0.2947195
GO androgen receptor binding	1	29	0.989	-0.723245
GO androgen receptor signaling pathway	1	39	0.989	-1.0579801
GO ligand-dependent nuclear receptor transcription coactivator activity	1	31	0.989	-0.7969334
GO mitochondrion organization	1	25	0.989	-0.5620556
GO RNA polymerase II transcription mediator activity	1	28	0.989	-0.6848042
GO transcription initiation from RNA polymerase II promoter	1	64	0.989	-1.6742596
GO DNA repair	2	182	0.989	-3.0812562
GO molecular_function	27	577	0.989	-2.0836371
GO identical protein binding	22	338	0.989	-0.2396045
GO inhibition of adenylate cyclase activity by G-protein signaling pathway	2	30	0.989	-0.0365257
GO chromosome, telomeric region	1	23	0.989	-0.4729329
GO response to DNA damage stimulus	3	78	0.989	-1.0481326
GO neuron projection morphogenesis	1	17	0.989	-0.1556918
GO cell communication	5	90	0.989	-0.4820701
GO phosphoinositide binding	3	56	0.989	-0.438846
GO cellular calcium ion homeostasis	4	60	0.989	-0.0516961
GO extracellular ligand-gated ion channel activity	3	46	0.989	-0.0842472
GO postsynaptic membrane	7	149	0.989	-1.0377
GO synapse	16	255	0.989	-0.3569683
GO G-protein coupled receptor protein signaling pathway	43	725	0.989	-0.9832936
GO electron carrier activity	10	149	0.989	-0.0599297
GO protein disulfide oxidoreductase activity	1	15	0.989	-0.0258174
GO olfactory receptor activity	5	290	0.989	-3.4755007
GO response to stimulus	17	477	0.989	-2.867116
GO sensory perception of smell	6	305	0.989	-3.3960898

GO	mitochondrial inner membrane	10	231	0.989	-1.5184843
GO	MLL1 complex	1	26	0.989	-0.6043094
GO	cell cycle arrest	5	108	0.989	-0.9107392
GO	neuron projection development	2	41	0.989	-0.4970486
GO	peptidyl-serine phosphorylation	1	26	0.989	-0.6043094
GO	Rab GTPase activator activity	2	44	0.989	-0.6024802
GO	regulation of Rab GTPase activity	2	44	0.989	-0.6024802
GO	post-translational protein modification	1	27	0.989	-0.6451903
GO	regulation of protein metabolic process	2	42	0.989	-0.5329476
GO	heat shock protein binding	4	62	0.989	-0.1197661
GO	nucleic acid binding	9	254	0.989	-2.092831
GO	protein folding	5	139	0.989	-1.5182271
GO	ribosome	3	172	0.989	-2.6577232
GO	actin filament binding	3	50	0.989	-0.2342323
GO	metabolic process	31	455	0.989	-0.0185063
GO	metallopeptidase activity	6	88	0.989	-0.0061982
GO	protein modification process	9	145	0.989	-0.3007814
GO	structural molecule activity	8	196	0.989	-1.5353745
GO	mitochondrial matrix	5	147	0.989	-1.6560591
GO	mitochondrial nucleoid	1	31	0.989	-0.7969334
GO	protein complex	8	153	0.989	-0.7904272
GO	cytoplasmic vesicle	14	229	0.989	-0.435165
GO	homeostasis of number of cells within a tissue	1	15	0.989	-0.0258174
GO	positive regulation of protein kinase activity	1	16	0.989	-0.0927387
GO	regulation of translation	3	61	0.989	-0.5942032
GO	spermatogenesis	16	261	0.989	-0.4541866
GO	microtubule motor activity	3	76	0.989	-0.9995167
GO	microtubule-based movement	3	84	0.989	-1.187871
GO	hyaluronic acid binding	1	19	0.989	-0.2716131
GO	Rho protein signal transduction	2	36	0.989	-0.3044533
GO	binding of sperm to zona pellucida	1	15	0.989	-0.0258174
GO	autophagy	2	36	0.989	-0.3044533
GO	histone binding	3	44	0.989	-0.0043777
GO	ruffle	3	53	0.989	-0.339292
GO	cysteine-type peptidase activity	3	76	0.989	-0.9995167
GO	structural constituent of ribosome	1	146	0.989	-2.9560895
GO	translation	2	197	0.989	-3.2537784
GO	ubiquitin thiolesterase activity	3	68	0.989	-0.7932213
GO	ubiquitin-dependent protein catabolic process	5	139	0.989	-1.5182271
GO	intrinsic to endoplasmic reticulum membrane	1	16	0.989	-0.0927387
GO	RNA polymerase II transcription factor activity	8	126	0.989	-0.2167289
GO	kinase activity	2	117	0.989	-2.2037494
GO	metalloendopeptidase activity	6	102	0.989	-0.3822225
GO	microtubule binding	1	58	0.989	-1.5447389
GO	motor activity	3	64	0.989	-0.6818948
GO	post-Golgi vesicle-mediated transport	2	37	0.989	-0.3448894
GO	aminopeptidase activity	1	28	0.989	-0.6848042
GO	collagen binding	2	34	0.989	-0.2202801
GO	response to cocaine	1	16	0.989	-0.0927387

GO synapse assembly	2	33	0.989	-0.1763973
GO regulation of neuron differentiation	1	19	0.989	-0.2716131
GO regulation of heart contraction	2	32	0.989	-0.1312076
GO inactivation of MAPK activity	1	20	0.989	-0.325338
GO glucose transport	1	22	0.989	-0.4257707
GO translation elongation factor activity	1	20	0.989	-0.325338
GO translational elongation	1	87	0.989	-2.1062764
GO T cell differentiation	1	19	0.989	-0.2716131
GO myelination	1	29	0.989	-0.723245
GO vasculogenesis	2	42	0.989	-0.5329476
GO regulation of translational initiation	1	24	0.989	-0.518309
GO translation factor activity, nucleic acid binding	1	21	0.989	-0.3766422
GO translation initiation factor activity	1	49	0.989	-1.3315436
GO translational initiation	1	36	0.989	-0.965541
GO glycolysis	1	41	0.989	-1.1165976
GO synaptosome	5	91	0.989	-0.5078876
GO histone acetyltransferase activity	2	38	0.989	-0.3843114
GO histone H4 acetylation	1	15	0.989	-0.0258174
GO ceramide metabolic process	1	16	0.989	-0.0927387
GO ER-Golgi intermediate compartment membrane	1	17	0.989	-0.1556918
GO lysosome organization	1	22	0.989	-0.4257707
GO positive regulation of epithelial cell proliferation	2	34	0.989	-0.2202801
GO mitochondrial outer membrane	5	81	0.989	-0.2365984
GO neuronal cell body	10	148	0.989	-0.0377794
GO peroxisomal membrane	1	41	0.989	-1.1165976
GO peroxisome	1	92	0.989	-2.1900444
GO chromosome, centromeric region	1	47	0.989	-1.2803951
GO fibroblast growth factor receptor signaling pathway	2	33	0.989	-0.1763973
GO positive regulation of cell cycle	1	15	0.989	-0.0258174
GO cell development	1	15	0.989	-0.0258174
GO mesoderm development	1	27	0.989	-0.6451903
GO microtubule associated complex	1	25	0.989	-0.5620556
GO protein C-terminus binding	9	146	0.989	-0.3222596
GO mitochondrial membrane	1	51	0.989	-1.3811973
GO protein kinase binding	7	113	0.989	-0.2704575
GO GTPase binding	1	15	0.989	-0.0258174
GO G-protein-coupled receptor binding	1	24	0.989	-0.518309
GO chromatin assembly or disassembly	1	36	0.989	-0.965541
GO chromatin binding	7	156	0.989	-1.166763
GO chromatin	4	81	0.989	-0.6778477
GO single-stranded DNA binding	3	49	0.989	-0.1978616
GO protein binding, bridging	2	44	0.989	-0.6024802
GO nuclear matrix	2	62	0.989	-1.1279564
GO nuclear membrane	5	87	0.989	-0.4029584
GO ubiquitin ligase complex	3	54	0.989	-0.3730548
GO late endosome	2	43	0.989	-0.5680787
GO GABA-A receptor activity	1	19	0.989	-0.2716131
GO gamma-aminobutyric acid signaling pathway	1	20	0.989	-0.325338
GO pyridoxal phosphate binding	2	51	0.989	-0.8255526

GO vesicle membrane	1	15	0.989	-0.0258174
GO manganese ion binding	1	32	0.989	-0.8323231
GO Rab GTPase binding	2	33	0.989	-0.1763973
GO isomerase activity	4	99	0.989	-1.1046924
GO generation of precursor metabolites and energy	3	55	0.989	-0.4062317
GO peptide hormone binding	1	22	0.989	-0.4257707
GO electron transport chain	4	86	0.989	-0.8042978
GO male genitalia development	1	17	0.989	-0.1556918
GO purine ribonucleoside monophosphate biosynthetic process	1	17	0.989	-0.1556918
GO chemotaxis	7	117	0.989	-0.3662918
GO neuron apoptosis	1	16	0.989	-0.0927387
GO anterior/posterior pattern formation	4	81	0.989	-0.6778477
GO cilium	2	90	0.989	-1.7381864
GO embryonic skeletal system morphogenesis	2	36	0.989	-0.3044533
GO histone deacetylase binding	2	39	0.989	-0.4227773
GO mediator complex	1	31	0.989	-0.7969334
GO proximal/distal pattern formation	1	22	0.989	-0.4257707
GO DNA replication	3	146	0.989	-2.2976321
GO DNA-directed DNA polymerase activity	1	30	0.989	-0.7605964
GO guanyl nucleotide binding	1	17	0.989	-0.1556918
GO protein amino acid ADP-ribosylation	1	22	0.989	-0.4257707
GO cellular iron ion homeostasis	1	24	0.989	-0.518309
GO induction of apoptosis by intracellular signals	1	15	0.989	-0.0258174
GO protein ubiquitination	4	85	0.989	-0.7795502
GO negative regulation of T cell proliferation	1	18	0.989	-0.2151789
GO glutathione transferase activity	1	17	0.989	-0.1556918
GO biosynthetic process	2	49	0.989	-0.7647026
GO cell division	6	246	0.989	-2.7500096
GO midbody	1	25	0.989	-0.5620556
GO spindle	3	90	0.989	-1.319481
GO MHC class I protein complex	1	18	0.989	-0.2151789
GO NAD or NADH binding	1	37	0.989	-0.9969995
GO positive regulation of mitotic cell cycle	1	16	0.989	-0.0927387
GO heterogeneous nuclear ribonucleoprotein complex	1	15	0.989	-0.0258174
GO ribonucleoprotein complex	1	95	0.989	-2.2389329
GO spliceosomal complex	1	118	0.989	-2.5854018
GO steroid biosynthetic process	1	30	0.989	-0.7605964
GO unfolded protein binding	4	103	0.989	-1.1901847
GO G1/S transition of mitotic cell cycle	2	42	0.989	-0.5329476
GO hippocampus development	1	20	0.989	-0.325338
GO lipid catabolic process	5	90	0.989	-0.4820701
GO activation of pro-apoptotic gene products	1	22	0.989	-0.4257707
GO cilium axoneme	1	26	0.989	-0.6043094
GO phosphoinositide-mediated signaling	2	33	0.989	-0.1763973
GO Ras protein signal transduction	4	64	0.989	-0.1857124
GO negative regulation of translation	1	18	0.989	-0.2151789
GO acyl-CoA binding	1	15	0.989	-0.0258174
GO fatty acid beta-oxidation	1	21	0.989	-0.3766422
GO platelet activation	1	24	0.989	-0.518309

GO	positive regulation of T cell proliferation	1	27	0.989	-0.6451903
GO	brush border	1	22	0.989	-0.4257707
GO	cytokine receptor activity	1	17	0.989	-0.1556918
GO	endosome membrane	5	92	0.989	-0.5334396
GO	negative regulation of gene expression	1	23	0.989	-0.4729329
GO	response to activity	1	18	0.989	-0.2151789
GO	response to tumor necrosis factor	1	17	0.989	-0.1556918
GO	sarcoplasmic reticulum membrane	1	17	0.989	-0.1556918
GO	nuclear chromatin	1	16	0.989	-0.0927387
GO	nuclear chromosome	1	23	0.989	-0.4729329
GO	structural constituent of cytoskeleton	2	73	0.989	-1.3891833
GO	protein secretion	1	16	0.989	-0.0927387
GO	intracellular membrane-bounded organelle	8	127	0.989	-0.2399943
GO	transcription	1	69	0.989	-1.7759985
GO	focal adhesion assembly	1	15	0.989	-0.0258174
GO	coated pit	2	41	0.989	-0.4970486
GO	actin filament	1	28	0.989	-0.6848042
GO	regulation of GTPase activity	1	16	0.989	-0.0927387
GO	collagen	1	22	0.989	-0.4257707
GO	enzyme activator activity	1	40	0.989	-1.0875691
GO	nuclear outer membrane	1	20	0.989	-0.325338
GO	gastrulation	1	15	0.989	-0.0258174
GO	insulin secretion	1	23	0.989	-0.4729329
GO	protein N-terminus binding	3	72	0.989	-0.8988756
GO	cerebral cortex development	1	16	0.989	-0.0927387
GO	muscle contraction	6	97	0.989	-0.2540433
GO	myosin complex	2	41	0.989	-0.4970486
GO	regulation of protein localization	1	18	0.989	-0.2151789
GO	centrosome	2	117	0.989	-2.2037494
GO	neuron development	1	27	0.989	-0.6451903
GO	4 iron, 4 sulfur cluster binding	1	25	0.989	-0.5620556
GO	tricarboxylic acid cycle	1	21	0.989	-0.3766422
GO	hair follicle morphogenesis	1	16	0.989	-0.0927387
GO	cation transport	2	65	0.989	-1.202663
GO	nucleotidyltransferase activity	2	71	0.989	-1.344131
GO	mitochondrial proton-transporting ATP synthase complex	1	16	0.989	-0.0927387
GO	endopeptidase activity	1	15	0.989	-0.0258174
GO	amino acid binding	1	15	0.989	-0.0258174
GO	cellular amino acid biosynthetic process	1	24	0.989	-0.518309
GO	cofactor binding	1	19	0.989	-0.2716131
GO	acid-amino acid ligase activity	2	34	0.989	-0.2202801
GO	kinase binding	1	27	0.989	-0.6451903
GO	neuron projection	2	60	0.989	-1.0764977
GO	protein polyubiquitination	1	25	0.989	-0.5620556
GO	chromosome	2	135	0.989	-2.4736529
GO	nucleosome assembly	1	65	0.989	-1.6950268
GO	nucleosome	1	52	0.989	-1.4054996
GO	trans-Golgi network	3	51	0.989	-0.269908
GO	SNAP receptor activity	1	20	0.989	-0.325338

GO	peptidyl-prolyl cis-trans isomerase activity	1	32	0.989	-0.8323231
GO	phototransduction	1	21	0.989	-0.3766422
GO	calcium channel activity	3	44	0.989	-0.0043777
GO	microtubule organizing center	4	96	0.989	-1.0385911
GO	lactation	1	28	0.989	-0.6848042
GO	negative regulation of angiogenesis	1	28	0.989	-0.6848042
GO	response to UV	1	30	0.989	-0.7605964
GO	sex differentiation	1	23	0.989	-0.4729329
GO	cis-Golgi network	1	17	0.989	-0.1556918
GO	methyltransferase activity	2	106	0.989	-2.02441
GO	N-acetyltransferase activity	1	20	0.989	-0.325338
GO	spindle pole	2	50	0.989	-0.7953911
GO	endoplasmic reticulum unfolded protein response	1	20	0.989	-0.325338
GO	ubiquitin-specific protease activity	1	28	0.989	-0.6848042
GO	ATP-dependent helicase activity	2	61	0.989	-1.1024
GO	helicase activity	5	107	0.989	-0.8887029
GO	filopodium	1	25	0.989	-0.5620556
GO	intracellular transport	1	17	0.989	-0.1556918
GO	cAMP binding	1	17	0.989	-0.1556918
GO	cAMP-dependent protein kinase regulator activity	1	16	0.989	-0.0927387
GO	MAPKKK cascade	1	31	0.989	-0.7969334
GO	cytokinesis	1	34	0.989	-0.9004979
GO	cardiac muscle contraction	1	17	0.989	-0.1556918
GO	anaphase-promoting complex-dependent proteasomal ubiquitin-depe	3	63	0.989	-0.6530869
GO	negative regulation of ubiquitin-protein ligase activity involved in mitc	3	62	0.989	-0.6238613
GO	positive regulation of ubiquitin-protein ligase activity involved in mitot	3	65	0.989	-0.7102992
GO	proteasome complex	3	56	0.989	-0.438846
GO	triglyceride lipase activity	1	16	0.989	-0.0927387
GO	late endosome membrane	1	51	0.989	-1.3811973
GO	protein amino acid N-linked glycosylation	1	15	0.989	-0.0258174
GO	ARF guanyl-nucleotide exchange factor activity	1	17	0.989	-0.1556918
GO	regulation of ARF protein signal transduction	1	16	0.989	-0.0927387
GO	peroxidase activity	1	17	0.989	-0.1556918
GO	dephosphorylation	1	21	0.989	-0.3766422
GO	embryonic skeletal system development	1	23	0.989	-0.4729329
GO	voltage-gated sodium channel activity	1	15	0.989	-0.0258174
GO	metal ion transmembrane transporter activity	1	16	0.989	-0.0927387
GO	metal ion transport	1	20	0.989	-0.325338
GO	zinc ion transport	1	24	0.989	-0.518309
GO	defense response to bacterium	4	75	0.989	-0.5163078
GO	positive regulation of protein ubiquitination	1	25	0.989	-0.5620556
GO	vesicle	1	17	0.989	-0.1556918
GO	chemoattractant activity	1	15	0.989	-0.0258174
GO	germ cell development	1	22	0.989	-0.4257707
GO	growth	1	29	0.989	-0.723245
GO	positive regulation of endothelial cell proliferation	2	31	0.989	-0.0846181
GO	neurotransmitter transport	1	40	0.989	-1.0875691
GO	amino acid transport	1	46	0.989	-1.2542207
GO	SWI/SNF complex	1	15	0.989	-0.0258174

GO growth cone	3	58	0.989	-0.502473
GO keratinization	1	31	0.989	-0.7969334
GO vesicle docking involved in exocytosis	1	19	0.989	-0.2716131
GO mannose binding	1	16	0.989	-0.0927387
GO non-membrane spanning protein tyrosine kinase activity	1	40	0.989	-1.0875691
GO endocytic vesicle membrane	1	22	0.989	-0.4257707
GO hydrogen peroxide catabolic process	1	16	0.989	-0.0927387
GO thymus development	1	23	0.989	-0.4729329
GO response to zinc ion	1	18	0.989	-0.2151789
GO C-C chemokine receptor activity	1	16	0.989	-0.0927387
GO cell leading edge	1	17	0.989	-0.1556918
GO DNA fragmentation involved in apoptotic nuclear change	1	18	0.989	-0.2151789
GO base-excision repair	1	19	0.989	-0.2716131
GO damaged DNA binding	1	44	0.989	-1.2005828
GO nucleotide-excision repair	1	26	0.989	-0.6043094
GO iron ion transport	1	22	0.989	-0.4257707
GO flagellum	1	19	0.989	-0.2716131
GO phospholipid transport	1	18	0.989	-0.2151789
GO nuclear chromosome, telomeric region	1	16	0.989	-0.0927387
GO telomere maintenance	1	19	0.989	-0.2716131
GO cell adhesion molecule binding	1	15	0.989	-0.0258174
GO nucleoside metabolic process	1	16	0.989	-0.0927387
GO nucleoside-triphosphatase activity	1	59	0.989	-1.5669486
GO protein serine/threonine phosphatase activity	1	37	0.989	-0.9969995
GO estrogen receptor binding	1	15	0.989	-0.0258174
GO diacylglycerol kinase activity	1	15	0.989	-0.0258174
GO fertilization	1	17	0.989	-0.1556918
GO mRNA 3'-UTR binding	1	17	0.989	-0.1556918
GO high-density lipoprotein particle	1	19	0.989	-0.2716131
GO very-low-density lipoprotein particle	1	19	0.989	-0.2716131
GO T cell receptor signaling pathway	1	22	0.989	-0.4257707
GO endonuclease activity	1	57	0.989	-1.5222605
GO gastrulation with mouth forming second	1	21	0.989	-0.3766422
GO positive regulation of cell adhesion	1	20	0.989	-0.325338
GO cellular membrane fusion	1	22	0.989	-0.4257707
GO neuropeptide hormone activity	1	21	0.989	-0.3766422
GO mitosis	1	199	0.989	-3.5585578
GO MAP kinase kinase kinase activity	1	15	0.989	-0.0258174
GO growth factor binding	1	23	0.989	-0.4729329
GO peptidyl-threonine phosphorylation	1	18	0.989	-0.2151789
GO neuromuscular junction	1	24	0.989	-0.518309
GO endosome transport	1	21	0.989	-0.3766422
GO thyroid hormone receptor binding	1	25	0.989	-0.5620556
GO RNA metabolic process	1	19	0.989	-0.2716131
GO N-acetylglucosamine metabolic process	1	15	0.989	-0.0258174
GO cholesterol binding	1	18	0.989	-0.2151789
GO cholesterol efflux	1	19	0.989	-0.2716131
GO reverse cholesterol transport	1	15	0.989	-0.0258174
GO histone methyltransferase complex	1	17	0.989	-0.1556918

GO	phosphoprotein phosphatase inhibitor activity	1	18	0.989	-0.2151789
GO	protein targeting to mitochondrion	1	25	0.989	-0.5620556
GO	regulation of endocytosis	1	15	0.989	-0.0258174
GO	male germ cell nucleus	1	15	0.989	-0.0258174
GO	reciprocal meiotic recombination	1	22	0.989	-0.4257707
GO	synapsis	1	5	0.298138	1.16672207

score (z)

