

**Additional Table 6 GO biological process analysis of differentially expressed proteins**

GO_P Term ID	GO_P Term Desc	GO_P Term Level1	GO_P Term Level2	Term Candidate Gene Num	Total Candidate Gene Num	Term Gene Num	Total Gene Num	Rich Ratio	P value	Q value
GO:0015853	adenine transport	biological_process	localization	3	252	5	24363	0.6	1.08E-05	0.01453527
GO:0055114	oxidation-reduction process	biological_process	metabolic process	22	252	772	24363	0.02849741	1.93E-05	0.01453527
GO:0022900	electron transport chain	biological_process	metabolic process	7	252	96	24363	0.07291667	6.35E-05	0.02392385
GO:0042552	myelination	biological_process	developmental process	6	252	64	24363	0.09375	5.24E-05	0.02392385
GO:0010038	response to metal ion	biological_process	response to stimulus	4	252	23	24363	0.17391304	8.48E-05	0.02555268
GO:0014733	regulation of skeletal muscle adaptation	biological_process	regulation of biological process	2	252	2	24363	1	1.07E-04	0.02676656
GO:0071276	cellular response to cadmium ion	biological_process	response to stimulus	5	252	48	24363	0.10416667	1.36E-04	0.02917599
GO:0022010	central nervous system myelination	biological_process	multicellular organismal process	3	252	11	24363	0.27272727	1.70E-04	0.02969535
GO:1902600	proton transmembrane transport	biological_process	localization	7	252	113	24363	0.0619469	1.77E-04	0.02969535
GO:0006120	mitochondrial electron transport, NADH to ubiquinone	biological_process	metabolic process	5	252	55	24363	0.09090909	2.60E-04	0.03912277
GO:0018125	peptidyl-cysteine methylation	biological_process	metabolic process	2	252	3	24363	0.66666667	3.18E-04	0.03938102
GO:0019563	glycerol catabolic process	biological_process	metabolic process	3	252	14	24363	0.21428571	3.66E-04	0.03938102
GO:0021681	cerebellar granular layer development	biological_process	developmental process	2	252	3	24363	0.66666667	3.18E-04	0.03938102
GO:0071280	cellular response to copper ion	biological_process	response to stimulus	4	252	33	24363	0.12121212	3.61E-04	0.03938102
GO:0043312	neutrophil degranulation	biological_process	immune system process	18	252	702	24363	0.02564103	4.03E-04	0.04051925
GO:0005975	carbohydrate metabolic process	biological_process	metabolic process	10	252	274	24363	0.03649635	6.04E-04	0.04526008
GO:0006091	generation of precursor metabolites and energy	biological_process	metabolic process	5	252	63	24363	0.07936508	4.91E-04	0.04526008
GO:0010273	detoxification of copper ion	biological_process	response to stimulus	3	252	16	24363	0.1875	5.54E-04	0.04526008
GO:0017085	response to insecticide	biological_process	response to stimulus	2	252	4	24363	0.5	6.31E-04	0.04526008
GO:0042376	phyloquinone catabolic process	biological_process	metabolic process	2	252	4	24363	0.5	6.31E-04	0.04526008
GO:0071492	cellular response to UV-A	biological_process	response to stimulus	2	252	4	24363	0.5	6.31E-04	0.04526008
GO:0050884	neuromuscular process controlling posture	biological_process	multicellular organismal process	3	252	17	24363	0.17647059	6.68E-04	0.04575431
GO:0006071	glycerol metabolic process	biological_process	metabolic process	3	252	18	24363	0.16666667	7.95E-04	0.0461045
GO:0042407	cristae formation	biological_process	cellular process	4	252	40	24363	0.1	7.62E-04	0.0461045
GO:0060333	interferon-gamma-mediated signaling pathway	biological_process	regulation of biological process	8	252	185	24363	0.04324324	7.11E-04	0.0461045
GO:2001222	regulation of neuron migration	biological_process	developmental process	3	252	18	24363	0.16666667	7.95E-04	0.0461045
GO:0017157	regulation of exocytosis	biological_process	regulation of biological process	4	252	44	24363	0.09090909	0.00109636	0.05697265
GO:0035774	positive regulation of insulin secretion involved in cellular response to glucose stimulus	biological_process	regulation of biological process	4	252	44	24363	0.09090909	0.00109636	0.05697265
GO:0036018	cellular response to erythropoietin	biological_process	response to stimulus	2	252	5	24363	0.4	0.00104398	0.05697265
GO:0019882	antigen processing and presentation	biological_process	immune system process	4	252	45	24363	0.08888889	0.00119364	0.05996057
GO:0051693	actin filament capping	biological_process	regulation of biological process	3	252	21	24363	0.14285714	0.00126712	0.06159828
GO:0006096	glycolytic process	biological_process	metabolic process	4	252	49	24363	0.08163265	0.00164351	0.06590067
GO:0006166	purine ribonucleoside salvage	biological_process	metabolic process	2	252	6	24363	0.33333333	0.00155529	0.06590067
GO:0006533	aspartate catabolic process	biological_process	metabolic process	2	252	6	24363	0.33333333	0.00155529	0.06590067
GO:0006641	triglyceride metabolic process	biological_process	metabolic process	4	252	49	24363	0.08163265	0.00164351	0.06590067
GO:0015866	ADP transport	biological_process	localization	2	252	6	24363	0.33333333	0.00155529	0.06590067

GO:0042421	norepinephrine biosynthetic process	biological_process	metabolic process	2	252	6	24363	0.33333333	0.00155529	0.06590067
GO:0045926	negative regulation of growth	biological_process	regulation of biological process	3	252	23	24363	0.13043478	0.00166173	0.06590067
GO:0008366	axon ensheathment	biological_process	developmental process	2	252	7	24363	0.28571429	0.00216256	0.0775946
GO:0033292	T-tubule organization	biological_process	developmental process	2	252	7	24363	0.28571429	0.00216256	0.0775946
GO:0042776	mitochondrial ATP synthesis coupled proton transport	biological_process	metabolic process	3	252	25	24363	0.12	0.00212546	0.0775946
GO:1904778	positive regulation of protein localization to cell cortex	biological_process	regulation of biological process	2	252	7	24363	0.28571429	0.00216256	0.0775946
GO:0002504	antigen processing and presentation of peptide or polysaccharide antigen via MHC class II	biological_process	immune system process	3	252	26	24363	0.11538462	0.00238447	0.07985335
GO:0006536	glutamate metabolic process	biological_process	metabolic process	3	252	26	24363	0.11538462	0.00238447	0.07985335
GO:0071294	cellular response to zinc ion	biological_process	response to stimulus	3	252	26	24363	0.11538462	0.00238447	0.07985335
GO:0050796	regulation of insulin secretion	biological_process	regulation of biological process	5	252	90	24363	0.05555556	0.00244792	0.08019592
GO:0006749	glutathione metabolic process	biological_process	metabolic process	4	252	55	24363	0.07272727	0.00252077	0.08082554
GO:0007007	inner mitochondrial membrane organization	biological_process	cellular process	2	252	8	24363	0.25	0.00286376	0.08142816
GO:0042423	catecholamine biosynthetic process	biological_process	metabolic process	2	252	8	24363	0.25	0.00286376	0.08142816
GO:0045428	regulation of nitric oxide biosynthetic process	biological_process	metabolic process	2	252	8	24363	0.25	0.00286376	0.08142816
GO:0045542	positive regulation of cholesterol biosynthetic process	biological_process	metabolic process	2	252	8	24363	0.25	0.00286376	0.08142816
GO:0046167	glycerol-3-phosphate biosynthetic process	biological_process	metabolic process	2	252	8	24363	0.25	0.00286376	0.08142816
GO:0061732	mitochondrial acetyl-CoA biosynthetic process from pyruvate	biological_process	metabolic process	2	252	8	24363	0.25	0.00286376	0.08142816
GO:0010811	positive regulation of cell-substrate adhesion	biological_process	biological adhesion	4	252	58	24363	0.06896552	0.0030611	0.08542723
GO:0042755	eating behavior	biological_process	behavior	3	252	29	24363	0.10344828	0.00327552	0.08974919
GO:0009437	carnitine metabolic process	biological_process	metabolic process	2	252	9	24363	0.22222222	0.00365692	0.09340636
GO:0015696	ammonium transport	biological_process	localization	2	252	9	24363	0.22222222	0.00365692	0.09340636
GO:0035900	response to isolation stress	biological_process	response to stimulus	2	252	9	24363	0.22222222	0.00365692	0.09340636
GO:0060052	neurofilament cytoskeleton organization	biological_process	cellular process	2	252	9	24363	0.22222222	0.00365692	0.09340636
GO:0006882	cellular zinc ion homeostasis	biological_process	cellular process	3	252	31	24363	0.09677419	0.00396867	0.09646421
GO:0007160	cell-matrix adhesion	biological_process	biological adhesion	6	252	144	24363	0.04166667	0.00392615	0.09646421
GO:0048169	regulation of long-term neuronal synaptic plasticity	biological_process	regulation of biological process	3	252	31	24363	0.09677419	0.00396867	0.09646421
GO:0006012	galactose metabolic process	biological_process	metabolic process	2	252	10	24363	0.2	0.00454006	0.09915745
GO:0006650	glycerophospholipid metabolic process	biological_process	metabolic process	2	252	10	24363	0.2	0.00454006	0.09915745
GO:0006972	hyperosmotic response	biological_process	response to stimulus	2	252	10	24363	0.2	0.00454006	0.09915745
GO:0048261	negative regulation of receptor-mediated endocytosis	biological_process	regulation of biological process	2	252	10	24363	0.2	0.00454006	0.09915745
GO:0051259	protein complex oligomerization	biological_process	cellular process	5	252	102	24363	0.04901961	0.00419898	0.09915745
GO:0051924	regulation of calcium ion transport	biological_process	regulation of biological process	3	252	32	24363	0.09375	0.00434611	0.09915745

GO:0072488	ammonium transmembrane transport	biological_process	localization	2	252	10	24363	0.2	0.00454006	0.09915745
GO:0045471	response to ethanol	biological_process	response to stimulus	6	252	151	24363	0.0397351	0.00494323	0.10642074
GO:0001523	retinoid metabolic process	biological_process	metabolic process	4	252	69	24363	0.05797101	0.0057107	0.11055128
GO:0002280	monocyte activation involved in immune response	biological_process	immune system process	1	252	1	24363	1	0.01034355	0.11055128
GO:0002443	leukocyte mediated immunity	biological_process	immune system process	1	252	1	24363	1	0.01034355	0.11055128
GO:0002506	polysaccharide assembly with MHC class II protein complex	biological_process	immune system process	2	252	13	24363	0.15384615	0.00771022	0.11055128
GO:0006006	glucose metabolic process	biological_process	metabolic process	4	252	77	24363	0.05194805	0.00838576	0.11055128
GO:0006083	acetate metabolic process	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:0006446	regulation of translational initiation	biological_process	metabolic process	3	252	41	24363	0.07317073	0.00872554	0.11055128
GO:0006584	catecholamine metabolic process	biological_process	metabolic process	2	252	11	24363	0.18181818	0.00551125	0.11055128
GO:0006585	dopamine biosynthetic process from tyrosine	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:0006631	fatty acid metabolic process	biological_process	metabolic process	6	252	170	24363	0.03529412	0.00866875	0.11055128
GO:0006811	ion transport	biological_process	localization	15	252	690	24363	0.02173913	0.00572719	0.11055128
GO:0006816	calcium ion transport	biological_process	localization	6	252	165	24363	0.03636364	0.00753922	0.11055128
GO:0006851	mitochondrial calcium ion transmembrane transport	biological_process	localization	3	252	37	24363	0.08108108	0.00655522	0.11055128
GO:0006995	cellular response to nitrogen starvation	biological_process	response to stimulus	2	252	14	24363	0.14285714	0.00893428	0.11055128
GO:0007626	locomotory behavior	biological_process	behavior	5	252	117	24363	0.04273504	0.00746019	0.11055128
GO:0008218	bioluminescence	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:0008334	histone mRNA metabolic process	biological_process	metabolic process	2	252	14	24363	0.14285714	0.00893428	0.11055128
GO:0010243	response to organonitrogen compound	biological_process	response to stimulus	3	252	37	24363	0.08108108	0.00655522	0.11055128
GO:0010987	negative regulation of high-density lipoprotein particle clearance	biological_process	regulation of biological process	1	252	1	24363	1	0.01034355	0.11055128
GO:0015867	ATP transport	biological_process	response to stimulus	2	252	12	24363	0.16666667	0.00656859	0.11055128
GO:0015868	purine ribonucleotide transport	biological_process	localization	1	252	1	24363	1	0.01034355	0.11055128
GO:0015961	diadenosine polyphosphate catabolic process	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:0016137	glycoside metabolic process	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:0019370	leukotriene biosynthetic process	biological_process	metabolic process	2	252	15	24363	0.13333333	0.01023896	0.11055128
GO:0021686	cerebellar granular layer maturation	biological_process	developmental process	1	252	1	24363	1	0.01034355	0.11055128
GO:0021702	cerebellar Purkinje cell differentiation	biological_process	developmental process	2	252	14	24363	0.14285714	0.00893428	0.11055128
GO:0030421	defecation	biological_process	multicellular organismal process	1	252	1	24363	1	0.01034355	0.11055128
GO:0032272	negative regulation of protein polymerization	biological_process	regulation of biological process	1	252	1	24363	1	0.01034355	0.11055128
GO:0032981	mitochondrial respiratory chain complex I assembly	biological_process	cellular process	4	252	81	24363	0.04938272	0.00998593	0.11055128
GO:0032990	cell part morphogenesis	biological_process	developmental process	1	252	1	24363	1	0.01034355	0.11055128
GO:0034551	mitochondrial respiratory chain complex III assembly	biological_process	cellular process	2	252	12	24363	0.16666667	0.00656859	0.11055128
GO:0035971	peptidyl-histidine dephosphorylation	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:0042088	T-helper 1 type immune response	biological_process	immune system process	2	252	14	24363	0.14285714	0.00893428	0.11055128

GO:0042135	neurotransmitter catabolic process	biological_process	metabolic process	2	252	14	24363	0.14285714	0.00893428	0.11055128
GO:0042214	terpene metabolic process	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:0042420	dopamine catabolic process	biological_process	metabolic process	2	252	11	24363	0.18181818	0.00551125	0.11055128
GO:0042493	response to drug	biological_process	response to stimulus	10	252	394	24363	0.02538071	0.00825444	0.11055128
GO:0042543	protein N-linked glycosylation via arginine	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:0046177	D-gluconate catabolic process	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:0050663	cytokine secretion	biological_process	localization	2	252	12	24363	0.16666667	0.00656859	0.11055128
GO:0050703	interleukin-1 alpha secretion	biological_process	localization	1	252	1	24363	1	0.01034355	0.11055128
GO:0050758	regulation of thymidylate synthase biosynthetic process	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:0050900	leukocyte migration	biological_process	immune system process	7	252	211	24363	0.03317536	0.00656039	0.11055128
GO:0051350	negative regulation of lyase activity	biological_process	biological regulation	1	252	1	24363	1	0.01034355	0.11055128
GO:0051602	response to electrical stimulus	biological_process	response to stimulus	3	252	39	24363	0.07692308	0.00759444	0.11055128
GO:0060409	positive regulation of acetylcholine metabolic process	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:0061163	endoplasmic reticulum polarization	biological_process	cellular process	1	252	1	24363	1	0.01034355	0.11055128
GO:0061573	actin filament bundle retrograde transport	biological_process	cellular process	1	252	1	24363	1	0.01034355	0.11055128
GO:0061621	canonical glycolysis	biological_process	metabolic process	3	252	41	24363	0.07317073	0.00872554	0.11055128
GO:0071045	nuclear histone mRNA catabolic process	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:0071384	cellular response to corticosteroid stimulus	biological_process	response to stimulus	1	252	1	24363	1	0.01034355	0.11055128
GO:0071470	cellular response to osmotic stress	biological_process	response to stimulus	2	252	14	24363	0.14285714	0.00893428	0.11055128
GO:0071544	diphosphoinositol polyphosphate catabolic process	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:0085018	maintenance of symbiont-containing vacuole by host	biological_process	multi-organism process	1	252	1	24363	1	0.01034355	0.11055128
GO:0097017	renal protein absorption	biological_process	multicellular organismal process	1	252	1	24363	1	0.01034355	0.11055128
GO:0098743	cell aggregation	biological_process	cell aggregation	1	252	1	24363	1	0.01034355	0.11055128
GO:0098746	fast, calcium ion-dependent exocytosis of neurotransmitter	biological_process	signaling	1	252	1	24363	1	0.01034355	0.11055128
GO:0099148	regulation of synaptic vesicle docking	biological_process	regulation of biological process	1	252	1	24363	1	0.01034355	0.11055128
GO:1900053	negative regulation of retinoic acid biosynthetic process	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:1901624	negative regulation of lymphocyte chemotaxis	biological_process	regulation of biological process	1	252	1	24363	1	0.01034355	0.11055128
GO:1901698	response to nitrogen compound	biological_process	response to stimulus	1	252	1	24363	1	0.01034355	0.11055128
GO:1902915	negative regulation of protein polyubiquitination	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:1903720	negative regulation of I-kappaB phosphorylation	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:1903801	L-leucine import across plasma membrane	biological_process	localization	1	252	1	24363	1	0.01034355	0.11055128
GO:1903903	regulation of establishment of T cell polarity	biological_process	regulation of biological process	1	252	1	24363	1	0.01034355	0.11055128

GO:1903906	regulation of plasma membrane raft polarization	biological_process	regulation of biological process	1	252	1	24363	1	0.01034355	0.11055128
GO:1903909	regulation of receptor clustering	biological_process	regulation of biological process	1	252	1	24363	1	0.01034355	0.11055128
GO:1904240	negative regulation of VCP-NPL4-UFD1 AAA ATPase complex assembly	biological_process	regulation of biological process	1	252	1	24363	1	0.01034355	0.11055128
GO:1904880	response to hydrogen sulfide	biological_process	response to stimulus	1	252	1	24363	1	0.01034355	0.11055128
GO:1990443	peptidyl-threonine autophosphorylation	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:2000224	regulation of testosterone biosynthetic process	biological_process	metabolic process	1	252	1	24363	1	0.01034355	0.11055128
GO:0006626	protein targeting to mitochondrion	biological_process	localization	3	252	45	24363	0.06666667	0.01126974	0.11876572
GO:0007269	neurotransmitter secretion	biological_process	signaling	3	252	45	24363	0.06666667	0.01126974	0.11876572
GO:0019953	sexual reproduction	biological_process	reproduction	2	252	16	24363	0.125	0.01162248	0.12079364
GO:0098742	cell-cell adhesion via plasma-membrane adhesion molecules	biological_process	biological adhesion	2	252	16	24363	0.125	0.01162248	0.12079364
GO:0009060	aerobic respiration	biological_process	metabolic process	3	252	46	24363	0.06521739	0.01196553	0.12102049
GO:0019886	antigen processing and presentation of exogenous peptide antigen via MHC class II	biological_process	immune system process	6	252	182	24363	0.03296703	0.0118664	0.12102049
GO:0051592	response to calcium ion	biological_process	response to stimulus	4	252	85	24363	0.04705882	0.01177197	0.12102049
GO:0090501	RNA phosphodiester bond hydrolysis	biological_process	metabolic process	3	252	46	24363	0.06521739	0.01196553	0.12102049
GO:0050790	regulation of catalytic activity	biological_process	biological regulation	4	252	86	24363	0.04651163	0.01224839	0.12305549
GO:0007568	aging	biological_process	developmental process	7	252	240	24363	0.02916667	0.01275501	0.12645921
GO:1903779	regulation of cardiac conduction	biological_process	regulation of biological process	3	252	47	24363	0.06382979	0.01268549	0.12645921
GO:0006122	mitochondrial electron transport, ubiquinol to cytochrome c	biological_process	metabolic process	2	252	17	24363	0.11764706	0.01308309	0.1272014
GO:0036444	calcium import into the mitochondrion	biological_process	localization	2	252	17	24363	0.11764706	0.01308309	0.1272014
GO:0071305	cellular response to vitamin D	biological_process	response to stimulus	2	252	17	24363	0.11764706	0.01308309	0.1272014
GO:0000165	MAPK cascade	biological_process	metabolic process	8	252	320	24363	0.025	0.01873911	0.13484728
GO:0003011	involuntary skeletal muscle contraction	biological_process	multicellular organismal process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0003097	renal water transport	biological_process	localization	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0006051	N-acetylmannosamine metabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0006119	oxidative phosphorylation	biological_process	metabolic process	2	252	19	24363	0.10526316	0.01622865	0.13484728
GO:0006123	mitochondrial electron transport, cytochrome c to oxygen	biological_process	metabolic process	2	252	18	24363	0.11111111	0.01461905	0.13484728
GO:0006175	dATP biosynthetic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0006178	guanine salvage	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0006433	prolyl-tRNA aminoacylation	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0006678	glucosylceramide metabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0006681	galactosylceramide metabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0006750	glutathione biosynthetic process	biological_process	metabolic process	2	252	19	24363	0.10526316	0.01622865	0.13484728
GO:0006869	lipid transport	biological_process	localization	5	252	149	24363	0.03355705	0.01956986	0.13484728
GO:0006878	cellular copper ion homeostasis	biological_process	cellular process	2	252	19	24363	0.10526316	0.01622865	0.13484728
GO:0006883	cellular sodium ion homeostasis	biological_process	cellular process	2	252	21	24363	0.0952381	0.01966214	0.13484728

GO:0008617	guanosine metabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0009438	methylglyoxal metabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0010848	regulation of chromatin disassembly	biological_process	regulation of biological process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0014823	response to activity	biological_process	response to stimulus	3	252	55	24363	0.05454545	0.01932756	0.13484728
GO:0014891	striated muscle atrophy	biological_process	response to stimulus	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0016310	phosphorylation	biological_process	metabolic process	14	252	718	24363	0.01949861	0.01788315	0.13484728
GO:0016488	farnesol catabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0019242	methylglyoxal biosynthetic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0021933	radial glia guided migration of cerebellar granule cell	biological_process	developmental process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0021941	negative regulation of cerebellar granule cell precursor proliferation	biological_process	developmental process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0030890	positive regulation of B cell proliferation	biological_process	regulation of biological process	3	252	55	24363	0.05454545	0.01932756	0.13484728
GO:0032781	positive regulation of ATPase activity	biological_process	biological regulation	3	252	51	24363	0.05882353	0.01580935	0.13484728
GO:0035377	transepithelial water transport	biological_process	localization	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0035378	carbon dioxide transmembrane transport	biological_process	response to stimulus	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0035743	CD4-positive, alpha-beta T cell cytokine production	biological_process	immune system process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0036413	histone H3-R26 citrullination	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0042309	homiothermy	biological_process	multicellular organismal process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0042361	menaquinone catabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0042377	vitamin K catabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0042593	glucose homeostasis	biological_process	biological regulation	5	252	149	24363	0.03355705	0.01956986	0.13484728
GO:0042745	circadian sleep/wake cycle	biological_process	behavior	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0042773	ATP synthesis coupled electron transport	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0043101	purine-containing compound salvage	biological_process	metabolic process	2	252	18	24363	0.11111111	0.01461905	0.13484728
GO:0043128	positive regulation of 1-phosphatidylinositol 4-kinase activity	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0043602	nitrate catabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0045795	positive regulation of cell volume	biological_process	cellular process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0046038	GMP catabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0046070	dGTP metabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0046122	purine deoxyribonucleoside metabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0046210	nitric oxide catabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0046449	creatinine metabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0046459	short-chain fatty acid metabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0046473	phosphatidic acid metabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0048936	peripheral nervous system neuron axonogenesis	biological_process	developmental process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0050765	negative regulation of phagocytosis	biological_process	regulation of biological process	2	252	19	24363	0.10526316	0.01622865	0.13484728

GO:0051083	'de novo' cotranslational protein folding	biological_process	cellular process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0051560	mitochondrial calcium ion homeostasis	biological_process	cellular process	2	252	20	24363	0.1	0.01791023	0.13484728
GO:0051561	positive regulation of mitochondrial calcium ion concentration	biological_process	cellular process	2	252	18	24363	0.11111111	0.01461905	0.13484728
GO:0052314	phytoalexin metabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0060327	cytoplasmic actin-based contraction involved in cell motility	biological_process	locomotion	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0060370	susceptibility to T cell mediated cytotoxicity	biological_process	regulation of biological process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0060681	branch elongation involved in ureteric bud branching	biological_process	developmental process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0071231	cellular response to folic acid	biological_process	response to stimulus	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0071288	cellular response to mercury ion	biological_process	response to stimulus	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0071349	cellular response to interleukin-12	biological_process	response to stimulus	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0072163	mesonephric epithelium development	biological_process	developmental process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0090031	positive regulation of steroid hormone biosynthetic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0090346	cellular organofluorine metabolic process	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0097178	ruffle assembly	biological_process	cellular process	2	252	19	24363	0.10526316	0.01622865	0.13484728
GO:1901379	regulation of potassium ion transmembrane transport	biological_process	regulation of biological process	2	252	20	24363	0.1	0.01791023	0.13484728
GO:1903305	regulation of regulated secretory pathway	biological_process	regulation of biological process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:1903946	negative regulation of ventricular cardiac muscle cell action potential	biological_process	regulation of biological process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:1904024	negative regulation of glucose catabolic process to lactate via pyruvate	biological_process	metabolic process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:1904389	rod bipolar cell differentiation	biological_process	developmental process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:1904391	response to ciliary neurotrophic factor	biological_process	response to stimulus	1	252	2	24363	0.5	0.02058054	0.13484728
GO:1904397	negative regulation of neuromuscular junction development	biological_process	regulation of biological process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:1905709	negative regulation of membrane permeability	biological_process	biological regulation	1	252	2	24363	0.5	0.02058054	0.13484728
GO:2000474	regulation of opioid receptor signaling pathway	biological_process	regulation of biological process	1	252	2	24363	0.5	0.02058054	0.13484728
GO:2000516	positive regulation of CD4-positive, alpha-beta T cell activation	biological_process	biological adhesion	1	252	2	24363	0.5	0.02058054	0.13484728
GO:2000984	negative regulation of ATP citrate synthase activity	biological_process	biological regulation	1	252	2	24363	0.5	0.02058054	0.13484728
GO:0006520	cellular amino acid metabolic process	biological_process	metabolic process	3	252	57	24363	0.05263158	0.0212356	0.13853701

GO:0015986	ATP synthesis coupled proton transport	biological_process	metabolic process	2	252	22	24363	0.09090909	0.02148275	0.13894637
GO:0048168	regulation of neuronal synaptic plasticity	biological_process	regulation of biological process	2	252	22	24363	0.09090909	0.02148275	0.13894637
GO:0016032	viral process	biological_process	multi-organism process	13	252	665	24363	0.01954887	0.02164354	0.1393881
GO:0008652	cellular amino acid biosynthetic process	biological_process	metabolic process	3	252	58	24363	0.05172414	0.02222694	0.1419322
GO:0034332	adherens junction organization	biological_process	cellular process	3	252	58	24363	0.05172414	0.02222694	0.1419322
GO:0002503	peptide antigen assembly with MHC class II protein complex	biological_process	immune system process	2	252	23	24363	0.08695652	0.02337047	0.14674708
GO:0006103	2-oxoglutarate metabolic process	biological_process	metabolic process	2	252	23	24363	0.08695652	0.02337047	0.14674708
GO:0051412	response to corticosterone	biological_process	response to stimulus	2	252	23	24363	0.08695652	0.02337047	0.14674708
GO:1903861	positive regulation of dendrite extension	biological_process	developmental process	2	252	23	24363	0.08695652	0.02337047	0.14674708
GO:0001676	long-chain fatty acid metabolic process	biological_process	metabolic process	2	252	26	24363	0.07692308	0.02942067	0.15026967
GO:0001678	cellular glucose homeostasis	biological_process	cellular process	2	252	26	24363	0.07692308	0.02942067	0.15026967
GO:0002891	positive regulation of immunoglobulin mediated immune response	biological_process	regulation of biological process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0003420	regulation of growth plate cartilage chondrocyte proliferation	biological_process	developmental process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0006408	snRNA export from nucleus	biological_process	localization	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0006576	cellular biogenic amine metabolic process	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0006589	octopamine biosynthetic process	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0007188	adenylate cyclase-modulating G protein-coupled receptor signaling pathway	biological_process	regulation of biological process	3	252	64	24363	0.046875	0.02869706	0.15026967
GO:0007271	synaptic transmission, cholinergic	biological_process	signaling	2	252	26	24363	0.07692308	0.02942067	0.15026967
GO:0008053	mitochondrial fusion	biological_process	cellular process	2	252	24	24363	0.08333333	0.02532372	0.15026967
GO:0009157	deoxyribonucleoside monophosphate biosynthetic process	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0009448	gamma-aminobutyric acid metabolic process	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0009450	gamma-aminobutyric acid catabolic process	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0009611	response to wounding	biological_process	response to stimulus	4	252	112	24363	0.03571429	0.02916076	0.15026967
GO:0015680	protein maturation by copper ion transfer	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0016236	macroautophagy	biological_process	metabolic process	4	252	108	24363	0.03703704	0.02596755	0.15026967
GO:0021692	cerebellar Purkinje cell layer morphogenesis	biological_process	developmental process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0030031	cell projection assembly	biological_process	cellular process	2	252	24	24363	0.08333333	0.02532372	0.15026967
GO:0030185	nitric oxide transport	biological_process	response to stimulus	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0030382	sperm mitochondrion organization	biological_process	cellular process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0031947	negative regulation of glucocorticoid biosynthetic process	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0032620	interleukin-17 production	biological_process	multicellular organismal process	1	252	3	24363	0.33333333	0.03071205	0.15026967



GO:0032707	negative regulation of interleukin-23 production	biological_process	regulation of biological process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0032770	positive regulation of monooxygenase activity	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0035696	monocyte extravasation	biological_process	immune system process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0036245	cellular response to menadione	biological_process	response to stimulus	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0042418	epinephrine biosynthetic process	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0045721	negative regulation of gluconeogenesis	biological_process	metabolic process	2	252	24	24363	0.08333333	0.02532372	0.15026967
GO:0045989	positive regulation of striated muscle contraction	biological_process	regulation of biological process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0046501	protoporphyrinogen IX metabolic process	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0046878	positive regulation of saliva secretion	biological_process	regulation of biological process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0051654	establishment of mitochondrion localization	biological_process	localization	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0052746	inositol phosphorylation	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0055085	transmembrane transport	biological_process	localization	12	252	625	24363	0.0192	0.03012678	0.15026967
GO:0060003	copper ion export	biological_process	localization	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0060621	negative regulation of cholesterol import	biological_process	negative regulation of biological process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0061078	positive regulation of prostaglandin secretion involved in immune response	biological_process	regulation of biological process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0061081	positive regulation of myeloid leukocyte cytokine production involved in immune response	biological_process	regulation of biological process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0061564	axon development	biological_process	developmental process	2	252	25	24363	0.08	0.02734096	0.15026967
GO:0061615	glycolytic process through fructose-6-phosphate	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0070165	positive regulation of adiponectin secretion	biological_process	regulation of biological process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0070541	response to platinum ion	biological_process	response to stimulus	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0070584	mitochondrion morphogenesis	biological_process	developmental process	2	252	26	24363	0.07692308	0.02942067	0.15026967
GO:0071241	cellular response to inorganic substance	biological_process	response to stimulus	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0071277	cellular response to calcium ion	biological_process	response to stimulus	4	252	109	24363	0.03669725	0.02674507	0.15026967
GO:0071379	cellular response to prostaglandin stimulus	biological_process	response to stimulus	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0071461	cellular response to redox state	biological_process	response to stimulus	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0071472	cellular response to salt stress	biological_process	response to stimulus	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0071641	negative regulation of macrophage inflammatory protein 1 alpha production	biological_process	regulation of biological process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0090662	ATP hydrolysis coupled transmembrane transport	biological_process	localization	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0099185	postsynaptic intermediate filament cytoskeleton organization	biological_process	cellular process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0099502	calcium-dependent activation of synaptic vesicle fusion	biological_process	regulation of biological process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0101030	tRNA-guanine transglycosylation	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967

GO:1900363	regulation of mRNA polyadenylation	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:1901687	glutathione derivative biosynthetic process	biological_process	metabolic process	2	252	24	24363	0.08333333	0.02532372	0.15026967
GO:1901897	regulation of relaxation of cardiac muscle	biological_process	regulation of biological process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:1902174	positive regulation of keratinocyte apoptotic process	biological_process	regulation of biological process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:1903070	negative regulation of ER-associated ubiquitin-dependent protein catabolic process	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:1903923	positive regulation of protein processing in phagocytic vesicle	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:1904219	positive regulation of CDP-diacylglycerol-serine O-phosphatidyltransferase activity	biological_process	biological regulation	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:1904222	positive regulation of serine C-palmitoyltransferase activity	biological_process	biological regulation	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:1904251	regulation of bile acid metabolic process	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:1904352	positive regulation of protein catabolic process in the vacuole	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:1904878	negative regulation of calcium ion transmembrane transport via high voltage-gated calcium channel	biological_process	regulation of biological process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:1905867	epididymis development	biological_process	reproduction	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:2000299	negative regulation of Rho-dependent protein serine/threonine kinase activity	biological_process	metabolic process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:2000582	positive regulation of ATP-dependent microtubule motor activity, plus-end-directed	biological_process	biological regulation	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:2001179	regulation of interleukin-10 secretion	biological_process	regulation of biological process	1	252	3	24363	0.33333333	0.03071205	0.15026967
GO:0002026	regulation of the force of heart contraction	biological_process	regulation of biological process	2	252	27	24363	0.07407407	0.03156134	0.15051563
GO:0006094	gluconeogenesis	biological_process	metabolic process	3	252	66	24363	0.04545455	0.03105196	0.15051563
GO:0006820	anion transport	biological_process	localization	2	252	27	24363	0.07407407	0.03156134	0.15051563
GO:0007263	nitric oxide mediated signal transduction	biological_process	regulation of biological process	2	252	27	24363	0.07407407	0.03156134	0.15051563
GO:0015698	inorganic anion transport	biological_process	localization	2	252	27	24363	0.07407407	0.03156134	0.15051563
GO:0043086	negative regulation of catalytic activity	biological_process	biological regulation	3	252	66	24363	0.04545455	0.03105196	0.15051563
GO:0046835	carbohydrate phosphorylation	biological_process	metabolic process	2	252	27	24363	0.07407407	0.03156134	0.15051563
GO:0070266	necroptotic process	biological_process	cellular process	2	252	27	24363	0.07407407	0.03156134	0.15051563
GO:0021549	cerebellum development	biological_process	developmental process	3	252	67	24363	0.04477612	0.03226635	0.1533924
GO:0051781	positive regulation of cell division	biological_process	regulation of biological process	3	252	68	24363	0.04411765	0.03350528	0.15878131
GO:0007268	chemical synaptic transmission	biological_process	signaling	7	252	294	24363	0.02380952	0.03388437	0.16007444
GO:0006099	tricarboxylic acid cycle	biological_process	metabolic process	3	252	69	24363	0.04347826	0.03476867	0.16373871
GO:0001573	ganglioside metabolic process	biological_process	metabolic process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0002367	cytokine production involved in immune response	biological_process	response to stimulus	1	252	4	24363	0.25	0.04073916	0.16459494

GO:0006400	tRNA modification	biological_process	metabolic process	2	252	29	24363	0.06896552	0.03601974	0.16459494
GO:0006409	tRNA export from nucleus	biological_process	localization	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0006884	cell volume homeostasis	biological_process	cellular process	2	252	31	24363	0.06451613	0.04070465	0.16459494
GO:0010107	potassium ion import	biological_process	localization	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0010897	negative regulation of triglyceride catabolic process	biological_process	metabolic process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0010903	negative regulation of very-low-density lipoprotein particle remodeling	biological_process	multicellular organismal process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0010916	negative regulation of very-low-density lipoprotein particle clearance	biological_process	regulation of biological process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0014003	oligodendrocyte development	biological_process	developmental process	2	252	29	24363	0.06896552	0.03601974	0.16459494
GO:0015827	tryptophan transport	biological_process	localization	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0015842	aminergic neurotransmitter loading into synaptic vesicle	biological_process	localization	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0018963	phthalate metabolic process	biological_process	metabolic process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0019243	methylglyoxal catabolic process to D-lactate via S-lactoyl-glutathione	biological_process	cellular process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0019550	glutamate catabolic process to aspartate	biological_process	metabolic process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0019551	glutamate catabolic process to 2-oxoglutarate	biological_process	metabolic process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0021762	substantia nigra development	biological_process	developmental process	3	252	70	24363	0.04285714	0.03605644	0.16459494
GO:0032225	regulation of synaptic transmission, dopaminergic	biological_process	signaling	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0032673	regulation of interleukin-4 production	biological_process	regulation of biological process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0032957	inositol trisphosphate metabolic process	biological_process	metabolic process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0033005	positive regulation of mast cell activation	biological_process	cellular process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0033326	cerebrospinal fluid secretion	biological_process	localization	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0033499	galactose catabolic process via UDP-galactose	biological_process	metabolic process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0033623	regulation of integrin activation	biological_process	regulation of biological process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0034394	protein localization to cell surface	biological_process	localization	2	252	31	24363	0.06451613	0.04070465	0.16459494
GO:0042133	neurotransmitter metabolic process	biological_process	metabolic process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0043490	malate-aspartate shuttle	biological_process	metabolic process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0043648	dicarboxylic acid metabolic process	biological_process	metabolic process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0044209	AMP salvage	biological_process	metabolic process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0045292	mRNA cis splicing, via spliceosome	biological_process	metabolic process	2	252	30	24363	0.06666667	0.03833458	0.16459494
GO:0045453	bone resorption	biological_process	multicellular organismal process	2	252	31	24363	0.06451613	0.04070465	0.16459494
GO:0045472	response to ether	biological_process	response to stimulus	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0045833	negative regulation of lipid metabolic process	biological_process	metabolic process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0046732	active induction of host immune response by virus	biological_process	regulation of biological process	1	252	4	24363	0.25	0.04073916	0.16459494

GO:0048499	synaptic vesicle membrane organization	biological_process	cellular process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0050851	antigen receptor-mediated signaling pathway	biological_process	regulation of biological process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0060221	retinal rod cell differentiation	biological_process	developmental process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0060263	regulation of respiratory burst	biological_process	metabolic process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0060414	aorta smooth muscle tissue morphogenesis	biological_process	developmental process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0060988	lipid tube assembly	biological_process	cellular process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0071395	cellular response to jasmonic acid stimulus	biological_process	response to stimulus	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0071801	regulation of podosome assembly	biological_process	regulation of biological process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0086016	AV node cell action potential	biological_process	regulation of biological process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0086053	AV node cell to bundle of His cell communication by electrical coupling	biological_process	regulation of biological process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0090023	positive regulation of neutrophil chemotaxis	biological_process	regulation of biological process	2	252	30	24363	0.06666667	0.03833458	0.16459494
GO:0097494	regulation of vesicle size	biological_process	cellular process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:0099132	ATP hydrolysis coupled cation transmembrane transport	biological_process	localization	2	252	31	24363	0.06451613	0.04070465	0.16459494
GO:1900038	negative regulation of cellular response to hypoxia	biological_process	regulation of biological process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:1902960	negative regulation of aspartic-type endopeptidase activity involved in amyloid precursor protein catabolic process	biological_process	metabolic process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:1904373	response to kainic acid	biological_process	response to stimulus	1	252	4	24363	0.25	0.04073916	0.16459494
GO:1904395	positive regulation of skeletal muscle acetylcholine-gated channel clustering	biological_process	regulation of biological process	1	252	4	24363	0.25	0.04073916	0.16459494
GO:1990089	response to nerve growth factor	biological_process	response to stimulus	1	252	4	24363	0.25	0.04073916	0.16459494
GO:2001234	negative regulation of apoptotic signaling pathway	biological_process	regulation of biological process	2	252	31	24363	0.06451613	0.04070465	0.16459494
GO:0006805	xenobiotic metabolic process	biological_process	metabolic process	4	252	126	24363	0.03174603	0.04210224	0.16964726
GO:0035725	sodium ion transmembrane transport	biological_process	localization	3	252	75	24363	0.04	0.04285758	0.17131664
GO:0050890	cognition	biological_process	multicellular organismal process	3	252	75	24363	0.04	0.04285758	0.17131664
GO:0072659	protein localization to plasma membrane	biological_process	localization	5	252	184	24363	0.02717391	0.04281277	0.17131664
GO:0006090	pyruvate metabolic process	biological_process	metabolic process	2	252	32	24363	0.0625	0.04312855	0.17149004
GO:0051966	regulation of synaptic transmission, glutamatergic	biological_process	regulation of biological process	2	252	32	24363	0.0625	0.04312855	0.17149004
GO:0007005	mitochondrion organization	biological_process	cellular process	4	252	128	24363	0.03125	0.04417679	0.17518191
GO:0034097	response to cytokine	biological_process	response to stimulus	3	252	76	24363	0.03947368	0.04428952	0.17518191
GO:0006754	ATP biosynthetic process	biological_process	metabolic process	2	252	34	24363	0.05882353	0.04813246	0.17527457
GO:0016311	dephosphorylation	biological_process	metabolic process	5	252	190	24363	0.02631579	0.04796427	0.17527457
GO:0032355	response to estradiol	biological_process	response to stimulus	4	252	131	24363	0.03053435	0.0473945	0.17527457
GO:0035025	positive regulation of Rho protein signal transduction	biological_process	regulation of biological process	2	252	34	24363	0.05882353	0.04813246	0.17527457
GO:0043278	response to morphine	biological_process	response to stimulus	2	252	34	24363	0.05882353	0.04813246	0.17527457

GO:0045766	positive regulation of angiogenesis	biological_process	developmental process	5	252	190	24363	0.02631579	0.04796427	0.17527457
GO:0070301	cellular response to hydrogen peroxide	biological_process	response to stimulus	3	252	78	24363	0.03846154	0.04722413	0.17527457
GO:0086002	cardiac muscle cell action potential involved in contraction	biological_process	multicellular organismal process	2	252	33	24363	0.06060606	0.04560493	0.17527457
GO:1901223	negative regulation of NIK/NF-kappaB signaling	biological_process	regulation of biological process	2	252	34	24363	0.05882353	0.04813246	0.17527457

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