

Group		Client Text Box Input (fold Enrichment)	Client Text Box Input (P-value)
	GO biological process complete		
i	liquid clearance, open tracheal system (GO:0035002)	15.89	8.94E-06
i	establishment of glial blood-brain barrier (GO:0060857)	13.91	1.65E-05
i	establishment of blood-brain barrier (GO:0060856)	12.36	2.84E-05
i	transepithelial transport (GO:0070633)	11.71	3.65E-05
i	epithelial fluid transport (GO:0042045)	11.71	3.65E-05
i	fluid transport (GO:0042044)	10.59	5.84E-05
i	septate junction assembly (GO:0019991)	8.32	3.82E-07
i	apical junction assembly (GO:0043297)	7.9	5.63E-08
i	cell-cell junction assembly (GO:0007043)	7.52	2.97E-08
i	regulation of tube size, open tracheal system (GO:0035151)	7.27	3.78E-06
i	cell junction assembly (GO:0034329)	7.11	5.52E-08
i	regulation of tube size (GO:0035150)	6.74	6.83E-06
i	chorion-containing eggshell formation (GO:0007304)	5.92	3.45E-09
i	eggshell formation (GO:0030703)	5.82	4.40E-09
i	cell-cell junction organization (GO:0045216)	5.68	2.56E-07
i	cell junction organization (GO:0034330)	5.68	2.56E-07
i	regulation of tube architecture, open tracheal system (GO:0035152)	5.3	7.72E-06
i	cellular component assembly involved in morphogenesis (GO:0010927)	3.42	2.12E-04
i	epithelial cell development (GO:0002064)	3.21	3.89E-08
i	ovarian follicle cell development (GO:0030707)	3.09	6.09E-07
i	columnar/cuboidal epithelial cell development (GO:0002066)	3.08	6.44E-07
i	epithelial cell differentiation (GO:0030855)	3.01	5.98E-08
i	columnar/cuboidal epithelial cell differentiation (GO:0002065)	3	1.05E-06
i	regulation of anatomical structure size (GO:0090066)	2.8	2.28E-04
i	epithelium development (GO:0060429)	2.21	2.82E-08
i	tissue development (GO:0009888)	2.08	1.61E-07
i	anatomical structure morphogenesis (GO:0009653)	1.58	1.69E-04
i	anatomical structure development (GO:0048856)	1.48	1.15E-05
i	multicellular organismal process (GO:0032501)	1.42	2.14E-06
i	developmental process (GO:0032502)	1.42	6.98E-05
i	metabolic process (GO:0008152)	0.73	2.35E-04
i	nitrogen compound metabolic process (GO:0006807)	0.66	5.92E-05
i	cellular metabolic process (GO:0044237)	0.64	1.34E-05
i	macromolecule metabolic process (GO:0043170)	0.63	6.82E-05
i	primary metabolic process (GO:0044238)	0.63	5.33E-06
i	cellular protein metabolic process (GO:0044267)	0.48	1.51E-04
i	organic cyclic compound metabolic process (GO:1901360)	0.46	6.64E-05
i	cellular aromatic compound metabolic process (GO:0006725)	0.46	7.27E-05
i	biosynthetic process (GO:0009058)	0.43	1.73E-04
i	cellular macromolecule metabolic process (GO:0044260)	0.43	2.12E-08
i	cellular nitrogen compound metabolic process (GO:0034641)	0.41	1.48E-06
i	heterocycle metabolic process (GO:0046483)	0.4	1.17E-05
i	cellular biosynthetic process (GO:0044249)	0.37	4.59E-05
i	nucleobase-containing compound metabolic process (GO:0006139)	0.37	6.96E-06
i	nucleic acid metabolic process (GO:0090304)	0.27	4.39E-06
i	RNA metabolic process (GO:0016070)	0.27	5.30E-05
i	gene expression (GO:0010467)	0.21	4.18E-07
i	cellular nitrogen compound biosynthetic process (GO:0044271)	0.15	4.96E-06
i	chromosome organization (GO:0051276)	0.14	2.10E-04
i	macromolecule biosynthetic process (GO:0009059)	0.09	1.52E-07

i	cellular macromolecule biosynthetic process (GO:0034645)	0.05	2.32E-08
ii	negative regulation of melanization defense response (GO:0035009)	51.33	1.32E-04
ii	regulation of melanization defense response (GO:0035007)	36.67	1.74E-06
ii	regulation of defense response to fungus (GO:1900150)	25.67	6.30E-06
ii	positive regulation of antifungal peptide production (GO:0002804)	25.67	6.30E-06
ii	regulation of antifungal peptide production (GO:0002788)	25.67	6.30E-06
ii	antibacterial humoral response (GO:0019731)	24.55	1.96E-11
ii	positive regulation of biosynthetic process of antibacterial peptides activ	21.39	1.26E-05
ii	regulation of secondary metabolic process (GO:0043455)	20.53	1.96E-06
ii	defense response to Gram-positive bacterium (GO:0050830)	19.01	4.85E-18
ii	positive regulation of Toll signaling pathway (GO:0045752)	18.67	1.51E-04
ii	regulation of biosynthetic process of antibacterial peptides active agains	18.33	2.29E-05
ii	positive regulation of antibacterial peptide production (GO:0002803)	15.4	7.69E-06
ii	Toll signaling pathway (GO:0008063)	15.4	3.81E-08
ii	positive regulation of antibacterial peptide biosynthetic process (GO:0002801)	15.4	7.69E-06
ii	positive regulation of defense response to bacterium (GO:1900426)	14.37	1.92E-06
ii	regulation of Toll signaling pathway (GO:0008592)	14	1.22E-05
ii	phenol-containing compound biosynthetic process (GO:0046189)	14	1.22E-05
ii	positive regulation of antimicrobial peptide biosynthetic process (GO:0002805)	13.82	2.40E-06
ii	positive regulation of antimicrobial peptide production (GO:0002225)	13.69	4.77E-07
ii	melanin biosynthetic process (GO:0042438)	13.69	4.03E-04
ii	positive regulation of humoral immune response (GO:0002922)	13.69	4.77E-07
ii	positive regulation of antimicrobial humoral response (GO:0002760)	13.69	4.77E-07
ii	positive regulation of production of molecular mediator of immune resp	13.69	4.77E-07
ii	positive regulation of immune effector process (GO:0002699)	13.69	4.77E-07
ii	regulation of antibacterial peptide biosynthetic process (GO:0002808)	13.39	1.51E-05
ii	regulation of antibacterial peptide production (GO:0002786)	13.39	1.51E-05
ii	positive regulation of response to biotic stimulus (GO:0002833)	13.2	1.17E-07
ii	antimicrobial humoral response (GO:0019730)	12.13	4.17E-10
ii	response to fungus (GO:0009620)	11.78	1.22E-10
ii	humoral immune response (GO:0006959)	11.48	1.71E-12
ii	regulation of defense response to bacterium (GO:1900424)	11.41	1.56E-06
ii	positive regulation of multi-organism process (GO:0043902)	9.24	1.62E-06
ii	defense response to fungus (GO:0050832)	9.24	1.62E-06
ii	regulation of antimicrobial peptide biosynthetic process (GO:0002805)	9.21	2.43E-05
ii	response to bacterium (GO:0009617)	9.01	1.68E-24
ii	positive regulation of response to external stimulus (GO:0032103)	8.88	2.16E-06
ii	regulation of antimicrobial peptide production (GO:0002784)	8.74	8.96E-06
ii	regulation of production of molecular mediator of immune response (GO:0002801)	8.56	1.03E-05
ii	cuticle pigmentation (GO:0048067)	8.36	4.26E-05
ii	secondary metabolite biosynthetic process (GO:0044550)	8.11	1.77E-04
ii	defense response to bacterium (GO:0042742)	7.78	5.39E-17
ii	regulation of antimicrobial humoral response (GO:0002759)	7.75	1.96E-05
ii	regulation of humoral immune response (GO:0002920)	7.6	2.22E-05
ii	phenol-containing compound metabolic process (GO:0018958)	7.55	2.20E-06
ii	response to external biotic stimulus (GO:0043207)	7.49	3.60E-26
ii	response to other organism (GO:0051707)	7.49	3.60E-26
ii	response to biotic stimulus (GO:0009607)	7.49	3.60E-26
ii	immune response (GO:0006955)	7.41	1.91E-15
ii	melanin metabolic process (GO:0006582)	7.33	2.81E-05
ii	positive regulation of defense response (GO:0031349)	7.15	1.11E-06
ii	defense response to other organism (GO:0098542)	7.13	4.05E-19

ii	defense response (GO:0006952)	6.79	1.81E-23
ii	regulation of response to biotic stimulus (GO:0002831)	6.75	5.42E-06
ii	regulation of immune effector process (GO:0002697)	6.73	4.89E-05
ii	organic hydroxy compound biosynthetic process (GO:1901617)	6.65	1.55E-04
ii	innate immune response (GO:0045087)	6.47	1.14E-07
ii	positive regulation of immune system process (GO:0002684)	6.42	2.88E-06
ii	positive regulation of immune response (GO:0050778)	6.34	9.04E-06
ii	positive regulation of cellular amide metabolic process (GO:0034250)	6.2	2.33E-04
ii	regulation of defense response (GO:0031347)	6.04	3.39E-08
ii	secondary metabolic process (GO:0019748)	5.9	1.60E-05
ii	developmental pigmentation (GO:0048066)	5.82	6.77E-06
ii	defense response to Gram-negative bacterium (GO:0050829)	5.7	3.13E-06
ii	pigmentation (GO:0043473)	5.33	1.46E-05
ii	regulation of immune response (GO:0050776)	5.17	5.80E-07
ii	immune system process (GO:0002376)	4.97	2.60E-12
ii	regulation of innate immune response (GO:0045088)	4.86	1.68E-04
ii	organic hydroxy compound metabolic process (GO:1901615)	4.5	2.88E-05
ii	pigment metabolic process (GO:0042440)	4.38	7.77E-05
ii	regulation of proteolysis (GO:0030162)	4.21	2.21E-04
ii	regulation of immune system process (GO:0002682)	4.18	7.83E-07
ii	regulation of response to external stimulus (GO:0032101)	3.95	3.56E-04
ii	regulation of multi-organism process (GO:0043900)	3.89	3.99E-04
ii	regulation of response to stress (GO:0080134)	3.73	3.63E-06
ii	response to external stimulus (GO:0009605)	3.32	4.31E-16
ii	response to stress (GO:0006950)	2.76	1.45E-13
ii	drug metabolic process (GO:0017144)	2.57	3.47E-04
ii	proteolysis (GO:0006508)	2.47	3.38E-07
ii	multi-organism process (GO:0051704)	2.25	9.45E-10
ii	response to stimulus (GO:0050896)	1.64	1.36E-06
ii	cellular process (GO:0009987)	0.77	3.30E-04
ii	cellular metabolic process (GO:0044237)	0.63	1.66E-04
ii	cellular component organization (GO:0016043)	0.44	4.36E-06
ii	cellular component organization or biogenesis (GO:0071840)	0.42	4.56E-07
ii	cellular component biogenesis (GO:0044085)	0.27	9.17E-05
ii	organelle organization (GO:0006996)	0.22	1.69E-07
ii	cellular protein metabolic process (GO:0044267)	0.2	6.55E-08
ii	protein modification process (GO:0036211)	0.2	1.70E-05
ii	cellular protein modification process (GO:0006464)	0.2	1.70E-05
ii	macromolecule biosynthetic process (GO:0009059)	0.19	2.50E-04
ii	macromolecule modification (GO:0043412)	0.18	3.90E-06
ii	cellular macromolecule metabolic process (GO:0044260)	0.16	3.24E-14
ii	nucleic acid metabolic process (GO:0090304)	0.14	1.37E-06
ii	gene expression (GO:0010467)	0.1	2.79E-07
ii	cellular macromolecule biosynthetic process (GO:0034645)	0.07	8.50E-06
ii	RNA metabolic process (GO:0016070)	0.06	1.64E-06
ii	RNA processing (GO:0006396)	< 0.01	8.81E-05
ii	macromolecular complex subunit organization (GO:0043933)	< 0.01	8.88E-05
iii	response to light intensity (GO:0009642)	7.31	9.07E-05
iii	import across plasma membrane (GO:0098739)	7.31	1.46E-03
iii	rhodopsin mediated signaling pathway (GO:0016056)	6.79	4.14E-06
iii	deactivation of rhodopsin mediated signaling (GO:0016059)	6.45	1.15E-06
iii	regulation of membrane potential in photoreceptor cell (GO:0016057)	6.4	9.62E-04

iii	phototransduction, visible light (GO:0007603)	6.27	1.31E-07
iii	regulation of rhodopsin mediated signaling pathway (GO:0022400)	6.09	1.88E-06
iii	maintenance of synapse structure (GO:0099558)	5.69	1.53E-03
iii	maintenance of presynaptic active zone structure (GO:0048790)	5.69	1.53E-03
iii	detection of visible light (GO:0009584)	5.55	2.47E-08
iii	dopamine receptor signaling pathway (GO:0007212)	5.32	9.56E-04
iii	thermotaxis (GO:0043052)	5.28	2.67E-05
iii	regulation of G-protein coupled receptor protein signaling pathway (GO:	5.15	5.06E-07
iii	regulation of neurotransmitter secretion (GO:0046928)	5.09	4.47E-06
iii	regulation of neurotransmitter transport (GO:0051588)	5.09	4.47E-06
iii	regulation of regulated secretory pathway (GO:1903305)	5.06	5.92E-04
iii	mechanosensory behavior (GO:0007638)	5.06	5.92E-04
iii	regulation of calcium ion-dependent exocytosis (GO:0017158)	5.06	5.92E-04
iii	transmission of nerve impulse (GO:0019226)	4.88	1.43E-03
iii	multicellular organismal signaling (GO:0035637)	4.88	1.43E-03
iii	regulation of microtubule depolymerization (GO:0031114)	4.88	1.43E-03
iii	detection of light stimulus involved in sensory perception (GO:0050962)	4.88	1.43E-03
iii	photoperiodism (GO:0009648)	4.88	1.43E-03
iii	cellular response to light stimulus (GO:0071482)	4.82	5.85E-09
iii	adenylate cyclase-activating G-protein coupled receptor signaling pathw	4.7	8.70E-04
iii	regulation of clathrin-dependent endocytosis (GO:2000369)	4.7	8.70E-04
iii	sensory perception of light stimulus (GO:0050953)	4.6	5.99E-06
iii	regulation of exocytosis (GO:0017157)	4.57	2.25E-05
iii	entrainment of circadian clock (GO:0009649)	4.39	1.97E-04
iii	detection of chemical stimulus involved in sensory perception of smell (C	4.28	1.12E-11
iii	photoreceptor cell axon guidance (GO:0072499)	4.22	4.49E-05
iii	cAMP-mediated signaling (GO:0019933)	4.18	2.76E-04
iii	phototransduction (GO:0007602)	4.14	1.21E-09
iii	visual perception (GO:0007601)	4.13	1.68E-04
iii	phospholipase C-activating G-protein coupled receptor signaling pathwa	4.11	1.74E-03
iii	detection of light stimulus (GO:0009583)	4.04	3.90E-10
iii	sensory perception of smell (GO:0007608)	4	9.18E-18
iii	detection of chemical stimulus involved in sensory perception (GO:0050!	3.91	1.03E-13
iii	R7 cell development (GO:0045467)	3.82	5.16E-04
iii	cellular response to radiation (GO:0071478)	3.79	8.73E-08
iii	cellular response to environmental stimulus (GO:0104004)	3.76	4.69E-09
iii	cellular response to abiotic stimulus (GO:0071214)	3.76	4.69E-09
iii	detection of stimulus involved in sensory perception (GO:0050906)	3.68	1.11E-18
iii	G-protein coupled receptor signaling pathway, coupled to cyclic nucleoti	3.66	9.28E-05
iii	regulation of receptor-mediated endocytosis (GO:0048259)	3.66	1.91E-03
iii	sensory perception of sound (GO:0007605)	3.6	7.72E-08
iii	adenylate cyclase-modulating G-protein coupled receptor signaling path	3.53	3.33E-04
iii	regulation of synaptic plasticity (GO:0048167)	3.51	9.10E-04
iii	regulation of cytosolic calcium ion concentration (GO:0051480)	3.48	2.52E-03
iii	response to mechanical stimulus (GO:0009612)	3.48	2.22E-05
iii	detection of abiotic stimulus (GO:0009582)	3.41	4.26E-12
iii	detection of external stimulus (GO:0009581)	3.41	4.26E-12
iii	rhabdomere development (GO:0042052)	3.39	4.72E-05
iii	synaptic vesicle endocytosis (GO:0048488)	3.39	4.72E-05
iii	energy taxis (GO:0009453)	3.35	1.97E-03
iii	phototaxis (GO:0042331)	3.35	1.97E-03
iii	neuromuscular synaptic transmission (GO:0007274)	3.34	2.55E-06

iii	sensory perception of mechanical stimulus (GO:0050954)	3.32	5.35E-08
iii	epithelial cell migration, open tracheal system (GO:0007427)	3.23	4.38E-04
iii	G-protein coupled receptor signaling pathway (GO:0007186)	3.2	3.17E-17
iii	regulated exocytosis (GO:0045055)	3.2	2.03E-06
iii	cyclic-nucleotide-mediated signaling (GO:0019935)	3.2	7.19E-04
iii	synaptic vesicle exocytosis (GO:0016079)	3.18	3.28E-06
iii	calcium ion regulated exocytosis (GO:0017156)	3.18	3.28E-06
iii	regulation of secretion (GO:0051046)	3.17	2.63E-08
iii	clathrin-dependent endocytosis (GO:0072583)	3.16	9.92E-05
iii	regulation of secretion by cell (GO:1903530)	3.15	6.86E-08
iii	response to pheromone (GO:0019236)	3.13	1.95E-03
iii	second-messenger-mediated signaling (GO:0019932)	3.11	7.71E-05
iii	sensory perception of chemical stimulus (GO:0007606)	3.11	1.75E-21
iii	associative learning (GO:0008306)	3.11	9.67E-07
iii	modulation of chemical synaptic transmission (GO:0050804)	3.1	3.77E-09
iii	regulation of trans-synaptic signaling (GO:0099177)	3.1	3.77E-09
iii	synaptic vesicle recycling (GO:0036465)	3.09	1.25E-04
iii	receptor-mediated endocytosis (GO:0006898)	3.07	5.98E-05
iii	response to light stimulus (GO:0009416)	3.07	5.46E-12
iii	synaptic signaling (GO:0099536)	3.06	3.19E-15
iii	chemical synaptic transmission (GO:0007268)	3.04	6.29E-15
iii	trans-synaptic signaling (GO:0099537)	3.04	6.29E-15
iii	anterograde trans-synaptic signaling (GO:0098916)	3.04	6.29E-15
iii	heterophilic cell-cell adhesion via plasma membrane cell adhesion molecules (GO:0000166)	3.03	2.46E-03
iii	regulation of heart contraction (GO:0008016)	3.03	2.46E-03
iii	regulation of blood circulation (GO:1903522)	3.03	2.46E-03
iii	protein oligomerization (GO:0051259)	3	5.40E-04
iii	establishment of synaptic vesicle localization (GO:0097480)	2.99	5.33E-09
iii	synaptic vesicle transport (GO:0048489)	2.99	5.33E-09
iii	vesicle-mediated transport in synapse (GO:0099003)	2.99	5.33E-09
iii	detection of stimulus (GO:0051606)	2.98	3.42E-20
iii	synaptic vesicle cycle (GO:0099504)	2.98	8.45E-09
iii	synaptic vesicle localization (GO:0097479)	2.98	3.98E-09
iii	regulation of endocytosis (GO:0030100)	2.95	9.35E-05
iii	olfactory learning (GO:0008355)	2.95	3.53E-05
iii	neuropeptide signaling pathway (GO:0007218)	2.93	5.48E-05
iii	detection of temperature stimulus involved in sensory perception of pain (GO:0007269)	2.93	6.73E-04
iii	neurotransmitter secretion (GO:0007269)	2.93	5.14E-07
iii	signal release from synapse (GO:0099643)	2.93	5.14E-07
iii	learning (GO:0007612)	2.93	5.14E-07
iii	presynaptic process involved in chemical synaptic transmission (GO:0099643)	2.91	3.81E-07
iii	establishment of vesicle localization (GO:0051650)	2.9	6.94E-09
iii	olfactory behavior (GO:0042048)	2.9	3.04E-08
iii	compound eye photoreceptor development (GO:0042051)	2.89	1.28E-06
iii	exocytosis (GO:0006887)	2.86	7.14E-07
iii	neuron projection extension (GO:1990138)	2.84	1.77E-03
iii	vesicle localization (GO:0051648)	2.84	1.17E-08
iii	eye photoreceptor cell development (GO:0042462)	2.83	1.79E-06
iii	homophilic cell adhesion via plasma membrane adhesion molecules (GO:0000166)	2.8	2.88E-03
iii	detection of temperature stimulus (GO:0016048)	2.79	1.61E-03
iii	detection of temperature stimulus involved in sensory perception (GO:0007269)	2.79	1.61E-03
iii	sensory perception of temperature stimulus (GO:0050951)	2.79	1.61E-03

iii	synapse organization (GO:0050808)	2.77	6.79E-11
iii	regulation of vesicle-mediated transport (GO:0060627)	2.77	7.61E-08
iii	detection of chemical stimulus (GO:0009593)	2.75	3.48E-10
iii	calcium ion transport (GO:0006816)	2.74	7.99E-04
iii	sensory perception (GO:0007600)	2.73	5.44E-27
iii	motor neuron axon guidance (GO:0008045)	2.71	1.43E-04
iii	regulation of neurotransmitter levels (GO:0001505)	2.71	2.06E-08
iii	signal release (GO:0023061)	2.71	1.78E-06
iii	exocytic process (GO:0140029)	2.69	9.02E-04
iii	nervous system process (GO:0050877)	2.68	3.59E-35
iii	organelle membrane fusion (GO:0090174)	2.68	2.76E-03
iii	regulation of synaptic growth at neuromuscular junction (GO:0008582)	2.67	1.48E-06
iii	regulation of neuromuscular junction development (GO:1904396)	2.67	1.09E-06
iii	calcium ion homeostasis (GO:0055074)	2.66	1.97E-03
iii	developmental cell growth (GO:0048588)	2.65	3.54E-04
iii	regulation of membrane potential (GO:0042391)	2.64	7.01E-05
iii	cell-cell adhesion via plasma-membrane adhesion molecules (GO:009874)	2.64	2.63E-04
iii	divalent inorganic cation homeostasis (GO:0072507)	2.61	5.57E-04
iii	cognition (GO:0050890)	2.61	2.37E-09
iii	learning or memory (GO:0007611)	2.61	2.37E-09
iii	cell-cell adhesion (GO:0098609)	2.6	1.58E-05
iii	regulation of synapse assembly (GO:0051963)	2.59	2.72E-06
iii	memory (GO:0007613)	2.59	1.38E-06
iii	regulation of synapse structure or activity (GO:0050803)	2.58	5.58E-09
iii	photoreceptor cell development (GO:0042461)	2.58	4.83E-06
iii	behavioral response to ethanol (GO:0048149)	2.57	8.77E-04
iii	neurotransmitter transport (GO:0006836)	2.57	3.91E-07
iii	response to ethanol (GO:0045471)	2.57	1.35E-04
iii	system process (GO:0003008)	2.56	1.50E-34
iii	response to radiation (GO:0009314)	2.54	1.73E-09
iii	neuromuscular junction development (GO:0007528)	2.52	4.35E-05
iii	regulation of synapse organization (GO:0050807)	2.51	3.42E-07
iii	synapse assembly (GO:0007416)	2.51	3.16E-04
iii	chemosensory behavior (GO:0007635)	2.5	5.46E-08
iii	developmental growth involved in morphogenesis (GO:0060560)	2.5	1.23E-04
iii	adult behavior (GO:0030534)	2.5	4.09E-08
iii	cellular divalent inorganic cation homeostasis (GO:0072503)	2.49	2.16E-03
iii	regulation of circadian rhythm (GO:0042752)	2.47	2.57E-04
iii	regulation of transport (GO:0051049)	2.47	1.23E-11
iii	cell adhesion (GO:0007155)	2.45	1.57E-07
iii	photoreceptor cell fate commitment (GO:0046552)	2.44	2.82E-03
iii	divalent metal ion transport (GO:0070838)	2.44	7.41E-04
iii	long-term memory (GO:0007616)	2.44	3.96E-04
iii	neuron recognition (GO:0008038)	2.44	1.95E-05
iii	divalent inorganic cation transport (GO:0072511)	2.44	7.41E-04
iii	regulation of dendrite development (GO:0050773)	2.44	2.00E-03
iii	regulation of system process (GO:0044057)	2.44	2.00E-03
iii	cell growth (GO:0016049)	2.44	4.93E-05
iii	biological adhesion (GO:0022610)	2.42	1.88E-07
iii	cell recognition (GO:0008037)	2.39	2.80E-05
iii	taxis (GO:0042330)	2.39	1.97E-13
iii	adult locomotory behavior (GO:0008344)	2.38	1.13E-04

iii	compound eye photoreceptor cell differentiation (GO:0001751)	2.34	1.47E-06
iii	courtship behavior (GO:0007619)	2.31	2.92E-05
iii	process utilizing autophagic mechanism (GO:0061919)	2.3	2.89E-04
iii	autophagy (GO:0006914)	2.3	2.89E-04
iii	eye-antennal disc development (GO:0035214)	2.29	2.18E-03
iii	eye photoreceptor cell differentiation (GO:0001754)	2.28	3.10E-06
iii	axon guidance (GO:0007411)	2.27	5.37E-09
iii	neuron projection guidance (GO:0097485)	2.25	3.72E-09
iii	mating behavior (GO:0007617)	2.24	3.32E-06
iii	response to toxic substance (GO:0009636)	2.21	1.84E-05
iii	axonogenesis (GO:0007409)	2.21	5.80E-10
iii	photoreceptor cell differentiation (GO:0046530)	2.21	3.06E-06
iii	secretion (GO:0046903)	2.21	8.49E-07
iii	male courtship behavior (GO:0008049)	2.2	2.66E-04
iii	chemotaxis (GO:0006935)	2.2	7.31E-09
iii	Ras protein signal transduction (GO:0007265)	2.17	2.42E-03
iii	response to temperature stimulus (GO:0009266)	2.17	6.66E-06
iii	secretion by cell (GO:0032940)	2.16	7.79E-06
iii	reproductive behavior (GO:0019098)	2.16	6.06E-06
iii	axon development (GO:0061564)	2.15	1.14E-09
iii	compound eye morphogenesis (GO:0001745)	2.15	2.50E-08
iii	male mating behavior (GO:0060179)	2.15	3.56E-04
iii	behavior (GO:0007610)	2.14	1.26E-17
iii	regulation of localization (GO:0032879)	2.13	1.14E-11
iii	mating (GO:0007618)	2.1	1.26E-05
iii	response to abiotic stimulus (GO:0009628)	2.09	1.70E-12
iii	sensory organ morphogenesis (GO:0090596)	2.09	6.97E-08
iii	eye morphogenesis (GO:0048592)	2.09	6.97E-08
iii	cellular response to endogenous stimulus (GO:0071495)	2.07	1.20E-04
iii	metal ion transport (GO:0030001)	2.06	4.48E-05
iii	locomotory behavior (GO:0007626)	2.06	1.80E-05
iii	positive regulation of transport (GO:0051050)	2.05	1.31E-03
iii	developmental growth (GO:0048589)	2.04	2.23E-05
iii	cell-cell signaling (GO:0007267)	2.04	2.47E-12
iii	growth (GO:0040007)	2.01	1.19E-05
iii	response to chemical (GO:0042221)	2.01	2.37E-25
iii	regulation of neuron projection development (GO:0010975)	2	1.93E-03
iii	signaling (GO:0023052)	1.99	1.23E-33
iii	response to endogenous stimulus (GO:0009719)	1.97	1.15E-04
iii	intracellular signal transduction (GO:0035556)	1.97	1.20E-08
iii	cell morphogenesis involved in neuron differentiation (GO:0048667)	1.96	3.54E-10
iii	establishment of organelle localization (GO:0051656)	1.96	1.36E-05
iii	signal transduction (GO:0007165)	1.96	2.08E-23
iii	regulation of cellular localization (GO:0060341)	1.96	9.05E-04
iii	compound eye development (GO:0048749)	1.95	7.09E-08
iii	locomotion (GO:0040011)	1.95	3.34E-13
iii	response to alcohol (GO:0097305)	1.95	1.20E-03
iii	regulation of developmental growth (GO:0048638)	1.93	7.52E-06
iii	neuron projection morphogenesis (GO:0048812)	1.93	1.92E-11
iii	cell projection morphogenesis (GO:0048858)	1.93	2.02E-11
iii	plasma membrane bounded cell projection morphogenesis (GO:0120039)	1.93	2.02E-11
iii	cell communication (GO:0007154)	1.93	3.81E-32

iii	cell morphogenesis involved in differentiation (GO:0000904)	1.93	1.91E-10
iii	eye development (GO:0001654)	1.92	7.13E-08
iii	neuron development (GO:0048666)	1.91	7.70E-14
iii	neuron projection development (GO:0031175)	1.9	2.92E-11
iii	cell part morphogenesis (GO:0032990)	1.9	6.16E-11
iii	response to organic substance (GO:0010033)	1.88	5.97E-09
iii	cell morphogenesis (GO:0000902)	1.87	3.28E-12
iii	organelle localization (GO:0051640)	1.87	1.37E-05
iii	neuron differentiation (GO:0030182)	1.87	1.07E-14
iii	response to drug (GO:0042493)	1.86	1.36E-04
iii	response to external stimulus (GO:0009605)	1.85	1.16E-16
iii	regulation of growth (GO:0040008)	1.85	2.54E-06
iii	plasma membrane bounded cell projection organization (GO:0120036)	1.84	8.92E-13
iii	regulation of nervous system development (GO:0051960)	1.84	3.32E-06
iii	cell projection organization (GO:0030030)	1.83	1.58E-12
iii	cellular response to chemical stimulus (GO:0070887)	1.82	1.40E-05
iii	cellular response to organic substance (GO:0071310)	1.81	2.13E-04
iii	open tracheal system development (GO:0007424)	1.81	1.22E-04
iii	chemical homeostasis (GO:0048878)	1.79	3.66E-04
iii	sensory organ development (GO:0007423)	1.79	6.61E-08
iii	import into cell (GO:0098657)	1.78	7.38E-06
iii	imaginal disc-derived appendage development (GO:0048737)	1.78	7.71E-06
iii	respiratory system development (GO:0060541)	1.78	1.55E-04
iii	regulation of cell communication (GO:0010646)	1.77	1.02E-12
iii	appendage development (GO:0048736)	1.77	8.67E-06
iii	generation of neurons (GO:0048699)	1.77	1.69E-14
iii	regulation of signaling (GO:0023051)	1.77	1.45E-12
iii	negative regulation of multicellular organismal process (GO:0051241)	1.77	8.18E-04
iii	neurogenesis (GO:0022008)	1.76	9.10E-15
iii	imaginal disc-derived wing morphogenesis (GO:0007476)	1.76	8.39E-05
iii	appendage morphogenesis (GO:0035107)	1.76	1.90E-05
iii	ameboidal-type cell migration (GO:0001667)	1.76	1.55E-03
iii	imaginal disc-derived appendage morphogenesis (GO:0035114)	1.75	1.82E-05
iii	positive regulation of multicellular organismal process (GO:0051240)	1.74	3.64E-04
iii	wing disc morphogenesis (GO:0007472)	1.73	1.09E-04
iii	nervous system development (GO:0007399)	1.72	6.81E-16
iii	negative regulation of signal transduction (GO:0009968)	1.72	1.40E-04
iii	negative regulation of cell communication (GO:0010648)	1.72	8.90E-05
iii	negative regulation of signaling (GO:0023057)	1.72	8.90E-05
iii	regulation of biological quality (GO:0065008)	1.71	2.17E-16
iii	regulation of multicellular organismal process (GO:0051239)	1.71	6.72E-10
iii	post-embryonic appendage morphogenesis (GO:0035120)	1.71	7.32E-05
iii	response to oxygen-containing compound (GO:1901700)	1.7	1.83E-04
iii	regulation of cellular component biogenesis (GO:0044087)	1.69	2.35E-04
iii	negative regulation of developmental process (GO:0051093)	1.69	1.64E-03
iii	endocytosis (GO:0006897)	1.69	8.64E-05
iii	regulation of multicellular organismal development (GO:2000026)	1.69	5.79E-07
iii	vesicle-mediated transport (GO:0016192)	1.69	7.15E-08
iii	cation transport (GO:0006812)	1.68	2.81E-04
iii	instar larval or pupal morphogenesis (GO:0048707)	1.68	1.69E-06
iii	post-embryonic animal morphogenesis (GO:0009886)	1.68	1.25E-06
iii	wing disc development (GO:0035220)	1.67	1.84E-05

iii	ion transport (GO:0006811)	1.67	3.40E-06
iii	post-embryonic animal organ morphogenesis (GO:0048563)	1.67	2.87E-05
iii	imaginal disc morphogenesis (GO:0007560)	1.67	2.87E-05
iii	metamorphosis (GO:0007552)	1.67	1.58E-06
iii	cellular component morphogenesis (GO:0032989)	1.66	2.77E-09
iii	movement of cell or subcellular component (GO:0006928)	1.66	4.06E-08
iii	negative regulation of response to stimulus (GO:0048585)	1.64	2.23E-04
iii	epithelial tube morphogenesis (GO:0060562)	1.64	9.59E-06
iii	regulation of signal transduction (GO:0009966)	1.63	4.41E-08
iii	response to stimulus (GO:0050896)	1.62	2.00E-31
iii	animal organ morphogenesis (GO:0009887)	1.62	3.57E-08
iii	instar larval or pupal development (GO:0002165)	1.61	1.32E-06
iii	tissue morphogenesis (GO:0048729)	1.61	1.34E-06
iii	imaginal disc development (GO:0007444)	1.6	4.51E-06
iii	cell migration (GO:0016477)	1.6	1.40E-03
iii	morphogenesis of an epithelium (GO:0002009)	1.59	3.13E-06
iii	regulation of anatomical structure morphogenesis (GO:0022603)	1.58	2.84E-03
iii	tube morphogenesis (GO:0035239)	1.56	5.23E-05
iii	regulation of cell development (GO:0060284)	1.56	2.86E-03
iii	regulation of response to stimulus (GO:0048583)	1.56	2.46E-08
iii	tube development (GO:0035295)	1.56	1.12E-06
iii	system development (GO:0048731)	1.56	3.01E-16
iii	regulation of developmental process (GO:0050793)	1.55	1.00E-06
iii	cellular response to stimulus (GO:0051716)	1.54	8.88E-14
iii	homeostatic process (GO:0042592)	1.54	3.11E-04
iii	positive regulation of cell communication (GO:0010647)	1.52	2.07E-03
iii	positive regulation of signaling (GO:0023056)	1.52	2.07E-03
iii	post-embryonic animal organ development (GO:0048569)	1.51	3.52E-04
iii	anatomical structure morphogenesis (GO:0009653)	1.51	1.26E-12
iii	cell motility (GO:0048870)	1.51	2.67E-03
iii	post-embryonic development (GO:0009791)	1.51	1.86E-05
iii	cell surface receptor signaling pathway (GO:0007166)	1.51	4.98E-04
iii	regulation of cell differentiation (GO:0045595)	1.49	2.43E-03
iii	regulation of cellular component organization (GO:0051128)	1.47	1.83E-05
iii	multicellular organismal process (GO:0032501)	1.45	1.07E-26
iii	animal organ development (GO:0048513)	1.43	2.30E-07
iii	intracellular transport (GO:0046907)	1.42	3.68E-04
iii	establishment of localization in cell (GO:0051649)	1.42	2.08E-04
iii	multicellular organism development (GO:0007275)	1.41	2.66E-13
iii	epithelium development (GO:0060429)	1.4	2.19E-05
iii	biological regulation (GO:0065007)	1.4	1.17E-23
iii	transport (GO:0006810)	1.39	7.71E-09
iii	tissue development (GO:0009888)	1.39	1.26E-05
iii	cell differentiation (GO:0030154)	1.38	3.21E-09
iii	regulation of cellular process (GO:0050794)	1.38	3.50E-17
iii	regulation of biological process (GO:0050789)	1.38	7.15E-19
iii	localization (GO:0051179)	1.38	2.93E-10
iii	cell development (GO:0048468)	1.37	7.34E-07
iii	cellular developmental process (GO:0048869)	1.37	9.41E-09
iii	establishment of localization (GO:0051234)	1.36	4.76E-08
iii	cellular localization (GO:0051641)	1.34	6.24E-04
iii	anatomical structure development (GO:0048856)	1.32	3.15E-10

iii	developmental process (GO:0032502)	1.3	6.04E-10
iii	positive regulation of biological process (GO:0048518)	1.27	3.90E-04
iii	cellular component organization (GO:0016043)	1.24	5.44E-06
iii	negative regulation of biological process (GO:0048519)	1.24	2.42E-03
iii	cellular component organization or biogenesis (GO:0071840)	1.18	3.18E-04
iii	cellular process (GO:0009987)	1.12	3.26E-06
iii	biological_process (GO:0008150)	1.04	1.33E-03
iii	organonitrogen compound metabolic process (GO:1901564)	0.8	3.74E-05
iii	cellular metabolic process (GO:0044237)	0.78	1.05E-08
iii	metabolic process (GO:0008152)	0.77	1.26E-11
iii	cellular protein metabolic process (GO:0044267)	0.74	1.26E-04
iii	organic substance metabolic process (GO:0071704)	0.73	1.46E-13
iii	protein metabolic process (GO:0019538)	0.73	2.81E-06
iii	primary metabolic process (GO:0044238)	0.7	3.03E-15
iii	proteolysis (GO:0006508)	0.69	8.00E-04
iii	nitrogen compound metabolic process (GO:0006807)	0.69	8.41E-16
iii	biosynthetic process (GO:0009058)	0.64	5.32E-07
iii	cellular biosynthetic process (GO:0044249)	0.63	9.46E-07
iii	organonitrogen compound biosynthetic process (GO:1901566)	0.63	1.69E-04
iii	organic substance biosynthetic process (GO:1901576)	0.63	4.47E-07
iii	macromolecule metabolic process (GO:0043170)	0.63	3.27E-18
iii	cell cycle (GO:0007049)	0.62	2.64E-04
iii	cellular macromolecule metabolic process (GO:0044260)	0.6	5.31E-16
iii	organic cyclic compound biosynthetic process (GO:1901362)	0.59	6.19E-04
iii	mitotic cell cycle (GO:0000278)	0.58	9.57E-04
iii	heterocycle biosynthetic process (GO:0018130)	0.54	2.53E-04
iii	cellular amide metabolic process (GO:0043603)	0.53	3.15E-04
iii	organic cyclic compound metabolic process (GO:1901360)	0.52	4.75E-15
iii	peptide metabolic process (GO:0006518)	0.51	2.85E-04
iii	peptidyl-amino acid modification (GO:0018193)	0.5	1.57E-03
iii	aromatic compound biosynthetic process (GO:0019438)	0.49	3.97E-05
iii	cellular aromatic compound metabolic process (GO:0006725)	0.49	4.30E-16
iii	cellular nitrogen compound metabolic process (GO:0034641)	0.47	2.01E-20
iii	regulation of cell cycle (GO:0051726)	0.46	4.99E-05
iii	nucleobase-containing compound biosynthetic process (GO:0034654)	0.45	4.22E-05
iii	heterocycle metabolic process (GO:0046483)	0.45	1.51E-18
iii	chromosome organization (GO:0051276)	0.42	1.59E-07
iii	regulation of mitotic cell cycle (GO:0007346)	0.42	4.79E-04
iii	nucleobase-containing compound metabolic process (GO:0006139)	0.41	5.89E-20
iii	macromolecule biosynthetic process (GO:0009059)	0.39	1.73E-12
iii	nuclear chromosome segregation (GO:0098813)	0.38	2.45E-03
iii	mRNA metabolic process (GO:0016071)	0.37	1.08E-05
iii	chromatin organization (GO:0006325)	0.35	2.38E-06
iii	mRNA processing (GO:0006397)	0.35	4.90E-05
iii	cellular nitrogen compound biosynthetic process (GO:0044271)	0.35	4.37E-13
iii	RNA processing (GO:0006396)	0.35	2.29E-09
iii	RNA metabolic process (GO:0016070)	0.34	2.84E-15
iii	cellular macromolecule biosynthetic process (GO:0034645)	0.34	3.48E-14
iii	gene expression (GO:0010467)	0.33	3.84E-20
iii	nucleic acid metabolic process (GO:0090304)	0.3	8.28E-23
iii	negative regulation of cell cycle (GO:0045786)	0.28	3.60E-04
iii	RNA splicing (GO:0008380)	0.26	8.09E-06

iii	histone modification (GO:0016570)	0.26	9.43E-05
iii	covalent chromatin modification (GO:0016569)	0.26	9.53E-05
iii	ribonucleoprotein complex biogenesis (GO:0022613)	0.26	1.81E-07
iii	mRNA splicing, via spliceosome (GO:0000398)	0.25	1.43E-05
iii	RNA splicing, via transesterification reactions with bulged adenosine as r	0.25	1.43E-05
iii	RNA splicing, via transesterification reactions (GO:0000375)	0.25	9.99E-06
iii	regulation of mitotic cell cycle phase transition (GO:1901990)	0.25	2.35E-04
iii	tRNA metabolic process (GO:0006399)	0.25	1.15E-03
iii	regulation of cell cycle phase transition (GO:1901987)	0.24	1.66E-04
iii	negative regulation of mitotic cell cycle (GO:0045930)	0.24	5.68E-04
iii	negative regulation of cell cycle process (GO:0010948)	0.23	5.70E-04
iii	DNA metabolic process (GO:0006259)	0.23	4.13E-08
iii	ncRNA processing (GO:0034470)	0.22	9.01E-07
iii	ncRNA metabolic process (GO:0034660)	0.22	2.07E-08
iii	chromatin remodeling (GO:0006338)	0.22	2.01E-03
iii	nucleic acid-templated transcription (GO:0097659)	0.22	4.41E-06
iii	transcription, DNA-templated (GO:0006351)	0.22	4.41E-06
iii	macromolecule methylation (GO:0043414)	0.22	1.39E-03
iii	RNA biosynthetic process (GO:0032774)	0.21	3.07E-06
iii	peptidyl-lysine modification (GO:0018205)	0.21	1.40E-04
iii	ribosome biogenesis (GO:0042254)	0.21	2.11E-06
iii	methylation (GO:0032259)	0.2	6.82E-04
iii	cellular response to DNA damage stimulus (GO:0006974)	0.19	9.16E-10
iii	DNA conformation change (GO:0071103)	0.18	2.31E-04
iii	DNA replication (GO:0006260)	0.17	1.65E-03
iii	rRNA processing (GO:0006364)	0.16	3.69E-05
iii	rRNA metabolic process (GO:0016072)	0.15	1.76E-05
iii	peptide biosynthetic process (GO:0043043)	0.15	1.09E-10
iii	protein-DNA complex subunit organization (GO:0071824)	0.14	3.65E-04
iii	DNA packaging (GO:0006323)	0.14	3.74E-04
iii	amide biosynthetic process (GO:0043604)	0.14	2.43E-11
iii	cytoplasmic translation (GO:0002181)	0.14	1.71E-04
iii	translation (GO:0006412)	0.12	3.39E-11
iii	transcription from RNA polymerase II promoter (GO:0006366)	0.12	2.56E-05
iii	double-strand break repair (GO:0006302)	0.1	1.72E-03
iii	DNA recombination (GO:0006310)	0.1	1.19E-03
iii	DNA-templated transcription, initiation (GO:0006352)	0.09	8.21E-04
iii	mitotic DNA damage checkpoint (GO:0044773)	0.09	5.29E-04
iii	mitotic DNA integrity checkpoint (GO:0044774)	0.09	3.53E-04
iii	regulation of G2/M transition of mitotic cell cycle (GO:0010389)	0.08	3.79E-04
iii	regulation of cell cycle G2/M phase transition (GO:1902749)	0.08	2.42E-04
iii	DNA damage checkpoint (GO:0000077)	0.08	1.60E-04
iii	DNA integrity checkpoint (GO:0031570)	0.08	1.07E-04
iii	mitotic cell cycle checkpoint (GO:0007093)	0.07	5.04E-05
iii	negative regulation of mitotic cell cycle phase transition (GO:1901991)	0.07	3.51E-05
iii	negative regulation of cell cycle phase transition (GO:1901988)	0.07	2.17E-05
iii	cell cycle checkpoint (GO:0000075)	0.06	1.01E-05
iii	DNA repair (GO:0006281)	0.04	3.64E-08
iii	mitotic G2 DNA damage checkpoint (GO:0007095)	< 0.01	1.71E-04
iii	mitotic G2/M transition checkpoint (GO:0044818)	< 0.01	1.12E-04
iii	negative regulation of cell cycle G2/M phase transition (GO:1902750)	< 0.01	7.30E-05
iii	negative regulation of G2/M transition of mitotic cell cycle (GO:0010972)	< 0.01	7.30E-05

iii	translational initiation (GO:0006413)	< 0.01	2.14E-03
iii	nucleosome organization (GO:0034728)	< 0.01	3.94E-04
iii	mitochondrial translation (GO:0032543)	< 0.01	8.89E-06
iii	mitochondrial gene expression (GO:0140053)	< 0.01	2.52E-06
iii	chromosome condensation (GO:0030261)	< 0.01	2.14E-03
iii	G2 DNA damage checkpoint (GO:0031572)	< 0.01	1.71E-04
iii	regulation of DNA metabolic process (GO:0051052)	< 0.01	1.50E-03
iv	glucan biosynthetic process (GO:0009250)	8.15	8.68E-04
iv	glycogen biosynthetic process (GO:0005978)	8.15	8.68E-04
iv	polysaccharide biosynthetic process (GO:0000271)	5.65	2.86E-04
iv	cellular polysaccharide biosynthetic process (GO:0033692)	5.65	2.86E-04
iv	mitochondrial electron transport, NADH to ubiquinone (GO:0006120)	5.51	2.02E-09
iv	regulation of muscle contraction (GO:0006937)	5.44	7.50E-04
iv	flight (GO:0060361)	5.44	7.50E-04
iv	cellular carbohydrate biosynthetic process (GO:0034637)	5.44	3.64E-05
iv	muscle contraction (GO:0006936)	5.44	3.64E-05
iv	hexose transmembrane transport (GO:0035428)	5.3	2.10E-05
iv	glucose transport (GO:0015758)	5.3	2.10E-05
iv	glucose import (GO:0046323)	5.3	2.10E-05
iv	monosaccharide transmembrane transport (GO:1905950)	5.3	2.10E-05
iv	mitochondrial electron transport, ubiquinol to cytochrome c (GO:0006121)	5.1	2.40E-04
iv	hexose transport (GO:0008645)	5.05	3.06E-05
iv	monosaccharide transport (GO:0015749)	5.05	3.06E-05
iv	carbohydrate transmembrane transport (GO:0034219)	5.05	3.06E-05
iv	muscle system process (GO:0003012)	5.02	3.98E-06
iv	ATP synthesis coupled proton transport (GO:0015986)	4.95	2.28E-06
iv	energy coupled proton transport, down electrochemical gradient (GO:0006122)	4.95	2.28E-06
iv	cell wall organization or biogenesis (GO:0071554)	4.89	6.14E-04
iv	cell wall macromolecule metabolic process (GO:0044036)	4.89	6.14E-04
iv	mitochondrial ATP synthesis coupled electron transport (GO:0042775)	4.89	2.45E-15
iv	ATP biosynthetic process (GO:0006754)	4.78	3.25E-06
iv	ATP synthesis coupled electron transport (GO:0042773)	4.76	2.86E-15
iv	regulation of muscle system process (GO:0090257)	4.66	1.56E-03
iv	oxidative phosphorylation (GO:0006119)	4.63	3.25E-15
iv	carbohydrate transport (GO:0008643)	4.57	3.50E-05
iv	electron transport chain (GO:0022900)	4.46	1.65E-15
iv	renal system process (GO:0003014)	4.45	1.52E-04
iv	respiratory electron transport chain (GO:0022904)	4.42	6.95E-15
iv	ATP metabolic process (GO:0046034)	4.33	2.27E-21
iv	purine ribonucleoside triphosphate biosynthetic process (GO:0009206)	4.32	4.97E-06
iv	purine nucleoside triphosphate biosynthetic process (GO:0009145)	4.32	4.97E-06
iv	neuroblast development (GO:0014019)	4.32	1.20E-03
iv	ribonucleoside triphosphate biosynthetic process (GO:0009201)	4.19	6.77E-06
iv	purine ribonucleoside triphosphate metabolic process (GO:0009205)	4.18	6.04E-21
iv	myofibril assembly (GO:0030239)	4.17	4.01E-07
iv	ribonucleoside triphosphate metabolic process (GO:0009199)	4.16	8.16E-21
iv	purine nucleoside triphosphate metabolic process (GO:0009144)	4.16	8.16E-21
iv	purine ribonucleoside monophosphate metabolic process (GO:0009167)	4.13	6.25E-21
iv	purine nucleoside monophosphate metabolic process (GO:0009126)	4.13	6.25E-21
iv	nucleoside triphosphate biosynthetic process (GO:0009142)	4.08	9.12E-06
iv	stem cell development (GO:0048864)	4.08	1.63E-03
iv	midgut development (GO:0007494)	4.08	1.61E-05

iv	nucleoside triphosphate metabolic process (GO:0009141)	4.05	2.68E-20
iv	ribonucleoside monophosphate metabolic process (GO:0009161)	4	2.71E-20
iv	purine ribonucleoside monophosphate biosynthetic process (GO:000916)	3.97	6.91E-06
iv	purine nucleoside monophosphate biosynthetic process (GO:0009127)	3.97	6.91E-06
iv	nucleoside monophosphate metabolic process (GO:0009123)	3.93	6.39E-20
iv	fatty acid elongation, polyunsaturated fatty acid (GO:0034626)	3.86	2.17E-03
iv	fatty acid elongation, monounsaturated fatty acid (GO:0034625)	3.86	2.17E-03
iv	fatty acid elongation, unsaturated fatty acid (GO:0019368)	3.86	2.17E-03
iv	fatty acid elongation, saturated fatty acid (GO:0019367)	3.86	2.17E-03
iv	cellular respiration (GO:0045333)	3.84	5.27E-16
iv	generation of precursor metabolites and energy (GO:0006091)	3.76	4.64E-21
iv	energy derivation by oxidation of organic compounds (GO:0015980)	3.74	1.29E-17
iv	sarcomere organization (GO:0045214)	3.71	1.16E-04
iv	striated muscle cell development (GO:0055002)	3.67	2.98E-07
iv	muscle cell development (GO:0055001)	3.61	3.86E-07
iv	ribonucleoside monophosphate biosynthetic process (GO:0009156)	3.6	2.04E-05
iv	purine ribonucleotide metabolic process (GO:0009150)	3.49	2.99E-19
iv	ribonucleotide metabolic process (GO:0009259)	3.43	7.90E-19
iv	purine nucleotide metabolic process (GO:0006163)	3.43	7.90E-19
iv	neuropeptide signaling pathway (GO:0007218)	3.4	2.46E-06
iv	carbohydrate biosynthetic process (GO:0016051)	3.4	2.44E-05
iv	ribose phosphate metabolic process (GO:0019693)	3.38	9.26E-19
iv	nucleoside monophosphate biosynthetic process (GO:0009124)	3.37	4.25E-05
iv	tricarboxylic acid metabolic process (GO:0072350)	3.34	7.42E-05
iv	ADP metabolic process (GO:0046031)	3.32	1.88E-03
iv	ribonucleoside diphosphate metabolic process (GO:0009185)	3.32	1.88E-03
iv	purine ribonucleoside diphosphate metabolic process (GO:0009179)	3.32	1.88E-03
iv	purine nucleoside diphosphate metabolic process (GO:0009135)	3.32	1.88E-03
iv	purine-containing compound metabolic process (GO:0072521)	3.32	2.91E-20
iv	fatty acid biosynthetic process (GO:0006633)	3.26	5.48E-04
iv	polysaccharide metabolic process (GO:0005976)	3.26	1.34E-03
iv	cellular polysaccharide metabolic process (GO:0044264)	3.26	1.34E-03
iv	citrate metabolic process (GO:0006101)	3.22	1.62E-04
iv	aerobic respiration (GO:0009060)	3.15	2.52E-05
iv	monocarboxylic acid biosynthetic process (GO:0072330)	3.14	4.90E-04
iv	tricarboxylic acid cycle (GO:0006099)	3.11	3.51E-04
iv	nucleotide metabolic process (GO:0009117)	3.07	8.70E-18
iv	nucleoside phosphate metabolic process (GO:0006753)	3.05	1.15E-17
iv	drug catabolic process (GO:0042737)	2.97	1.13E-04
iv	drug metabolic process (GO:0017144)	2.88	1.42E-21
iv	striated muscle cell differentiation (GO:0051146)	2.85	6.44E-07
iv	potassium ion transport (GO:0006813)	2.84	1.11E-03
iv	nucleobase-containing small molecule metabolic process (GO:0055086)	2.84	2.98E-19
iv	muscle cell differentiation (GO:0042692)	2.83	1.14E-07
iv	carbohydrate catabolic process (GO:0016052)	2.83	5.59E-04
iv	actomyosin structure organization (GO:0031032)	2.82	2.10E-05
iv	purine ribonucleotide biosynthetic process (GO:0009152)	2.79	2.37E-05
iv	nicotinamide nucleotide metabolic process (GO:0046496)	2.78	1.34E-03
iv	pyridine nucleotide metabolic process (GO:0019362)	2.78	1.34E-03
iv	hexose metabolic process (GO:0019318)	2.78	9.49E-04
iv	pyridine-containing compound metabolic process (GO:0072524)	2.77	1.10E-03
iv	mesoderm development (GO:0007498)	2.77	2.03E-06

iv	purine nucleotide biosynthetic process (GO:0006164)	2.72	3.11E-05
iv	purine-containing compound biosynthetic process (GO:0072522)	2.72	7.79E-06
iv	monosaccharide metabolic process (GO:0005996)	2.67	8.97E-04
iv	ribonucleotide biosynthetic process (GO:0009260)	2.65	4.19E-05
iv	ribose phosphate biosynthetic process (GO:0046390)	2.65	4.19E-05
iv	hydrogen transport (GO:0006818)	2.64	2.39E-04
iv	cellular carbohydrate metabolic process (GO:0044262)	2.6	1.94E-04
iv	proton transport (GO:0015992)	2.56	4.49E-04
iv	hydrogen ion transmembrane transport (GO:1902600)	2.54	9.04E-04
iv	oxidation-reduction process (GO:0055114)	2.46	2.58E-23
iv	organic acid biosynthetic process (GO:0016053)	2.43	2.83E-04
iv	carboxylic acid biosynthetic process (GO:0046394)	2.43	2.83E-04
iv	digestive system development (GO:0055123)	2.35	1.22E-04
iv	digestive tract development (GO:0048565)	2.35	1.22E-04
iv	carbohydrate metabolic process (GO:0005975)	2.31	1.58E-08
iv	carbohydrate derivative catabolic process (GO:1901136)	2.3	1.99E-03
iv	regulation of membrane potential (GO:0042391)	2.27	2.21E-03
iv	nucleoside phosphate biosynthetic process (GO:1901293)	2.25	3.85E-04
iv	nucleotide biosynthetic process (GO:0009165)	2.25	3.85E-04
iv	heart development (GO:0007507)	2.25	3.85E-04
iv	circulatory system development (GO:0072359)	2.25	3.85E-04
iv	inorganic ion transmembrane transport (GO:0098660)	2.22	3.47E-05
iv	coenzyme metabolic process (GO:0006732)	2.16	1.10E-04
iv	small molecule metabolic process (GO:0044281)	2.14	5.50E-21
iv	inorganic cation transmembrane transport (GO:0098662)	2.14	3.58E-04
iv	monovalent inorganic cation transport (GO:0015672)	2.13	6.10E-05
iv	organophosphate metabolic process (GO:0019637)	2.13	4.80E-11
iv	cation transmembrane transport (GO:0098655)	2.12	2.30E-04
iv	G-protein coupled receptor signaling pathway (GO:0007186)	2.07	1.41E-05
iv	small molecule biosynthetic process (GO:0044283)	2.07	1.87E-04
iv	carbohydrate derivative metabolic process (GO:1901135)	2.04	4.11E-14
iv	ion transmembrane transport (GO:0034220)	2.02	1.60E-05
iv	chitin-based cuticle development (GO:0040003)	2	7.53E-05
iv	monocarboxylic acid metabolic process (GO:0032787)	1.97	8.55E-04
iv	carboxylic acid metabolic process (GO:0019752)	1.94	3.04E-07
iv	transmembrane transport (GO:0055085)	1.93	3.58E-10
iv	cuticle development (GO:0042335)	1.92	1.27E-05
iv	muscle structure development (GO:0061061)	1.91	2.02E-05
iv	cellular component assembly involved in morphogenesis (GO:0010927)	1.91	1.38E-03
iv	organic acid metabolic process (GO:0006082)	1.88	8.60E-07
iv	oxoacid metabolic process (GO:0043436)	1.88	8.60E-07
iv	locomotory behavior (GO:0007626)	1.85	5.56E-04
iv	cation transport (GO:0006812)	1.82	4.59E-05
iv	phosphorylation (GO:0016310)	1.78	1.65E-06
iv	ion transport (GO:0006811)	1.78	3.78E-07
iv	phosphorus metabolic process (GO:0006793)	1.56	3.05E-07
iv	phosphate-containing compound metabolic process (GO:0006796)	1.48	1.67E-05
iv	cellular metabolic process (GO:0044237)	0.85	2.65E-04
iv	protein metabolic process (GO:0019538)	0.79	4.10E-04
iv	cellular aromatic compound metabolic process (GO:0006725)	0.77	1.47E-03
iv	regulation of cellular metabolic process (GO:0031323)	0.77	3.80E-04
iv	reproduction (GO:0000003)	0.77	1.35E-03

iv	regulation of primary metabolic process (GO:0080090)	0.76	2.87E-04
iv	positive regulation of biological process (GO:0048518)	0.76	1.33E-03
iv	heterocycle metabolic process (GO:0046483)	0.75	5.73E-04
iv	multicellular organism reproduction (GO:0032504)	0.75	8.75E-04
iv	regulation of metabolic process (GO:0019222)	0.75	4.80E-05
iv	nucleobase-containing compound metabolic process (GO:0006139)	0.75	5.85E-04
iv	regulation of cellular biosynthetic process (GO:0031326)	0.74	1.43E-03
iv	regulation of biosynthetic process (GO:0009889)	0.74	1.23E-03
iv	positive regulation of cellular process (GO:0048522)	0.74	1.28E-03
iv	regulation of cellular macromolecule biosynthetic process (GO:2000112)	0.73	1.33E-03
iv	regulation of macromolecule biosynthetic process (GO:0010556)	0.73	9.83E-04
iv	cellular nitrogen compound metabolic process (GO:0034641)	0.72	1.03E-05
iv	reproductive process (GO:0022414)	0.72	3.72E-04
iv	negative regulation of biological process (GO:0048519)	0.71	1.65E-04
iv	cellular component organization (GO:0016043)	0.7	6.54E-09
iv	regulation of gene expression (GO:0010468)	0.7	6.86E-05
iv	multi-organism reproductive process (GO:0044703)	0.69	2.04E-04
iv	sexual reproduction (GO:0019953)	0.69	2.04E-04
iv	multicellular organismal reproductive process (GO:0048609)	0.69	1.95E-04
iv	cellular component organization or biogenesis (GO:0071840)	0.67	4.55E-11
iv	regulation of nitrogen compound metabolic process (GO:0051171)	0.67	7.22E-07
iv	macromolecule metabolic process (GO:0043170)	0.67	2.61E-13
iv	regulation of macromolecule metabolic process (GO:0060255)	0.67	3.02E-07
iv	developmental process involved in reproduction (GO:0003006)	0.66	4.13E-04
iv	cellular component biogenesis (GO:0044085)	0.66	3.61E-05
iv	regulation of response to stimulus (GO:0048583)	0.65	1.42E-04
iv	negative regulation of cellular process (GO:0048523)	0.65	1.83E-05
iv	negative regulation of macromolecule metabolic process (GO:0010605)	0.64	1.71E-03
iv	regulation of cellular component organization (GO:0051128)	0.61	9.89E-05
iv	regulation of signal transduction (GO:0009966)	0.6	1.13E-04
iv	cellular nitrogen compound biosynthetic process (GO:0044271)	0.59	4.94E-05
iv	oogenesis (GO:0048477)	0.56	5.54E-05
iv	gamete generation (GO:0007276)	0.56	4.08E-07
iv	cellular process involved in reproduction in multicellular organism (GO:0007281)	0.56	8.81E-07
iv	germ cell development (GO:0007281)	0.56	7.97E-06
iv	female gamete generation (GO:0007292)	0.56	1.50E-05
iv	cellular macromolecular complex assembly (GO:0034622)	0.55	1.90E-03
iv	macromolecular complex subunit organization (GO:0043933)	0.53	1.08E-04
iv	macromolecule localization (GO:0033036)	0.52	2.31E-06
iv	organelle organization (GO:0006996)	0.52	1.67E-13
iv	regulation of protein modification process (GO:0031399)	0.5	1.65E-03
iv	regulation of catalytic activity (GO:0050790)	0.5	1.65E-03
iv	regulation of cellular protein metabolic process (GO:0032268)	0.49	1.37E-05
iv	macromolecule catabolic process (GO:0009057)	0.48	4.05E-05
iv	protein modification process (GO:0036211)	0.48	1.51E-10
iv	cellular protein modification process (GO:0006464)	0.48	1.51E-10
iv	regulation of protein metabolic process (GO:0051246)	0.47	2.15E-06
iv	macromolecule modification (GO:0043412)	0.46	6.36E-12
iv	cellular localization (GO:0051641)	0.45	5.60E-10
iv	cellular amide metabolic process (GO:0043603)	0.44	2.03E-05
iv	vesicle-mediated transport (GO:0016192)	0.44	2.75E-07
iv	protein localization (GO:0008104)	0.42	1.35E-07

iv	nitrogen compound transport (GO:0071705)	0.42	8.75E-07
iv	negative regulation of signal transduction (GO:0009968)	0.41	3.88E-04
iv	organelle localization (GO:0051640)	0.41	5.27E-04
iv	spermatogenesis (GO:0007283)	0.41	3.95E-04
iv	cellular protein metabolic process (GO:0044267)	0.4	1.27E-20
iv	cell division (GO:0051301)	0.39	4.09E-04
iv	negative regulation of cellular protein metabolic process (GO:0032269)	0.39	1.88E-03
iv	negative regulation of protein metabolic process (GO:0051248)	0.38	1.89E-03
iv	establishment of localization in cell (GO:0051649)	0.38	2.23E-10
iv	response to extracellular stimulus (GO:0009991)	0.38	1.95E-03
iv	establishment of organelle localization (GO:0051656)	0.38	7.76E-04
iv	male gamete generation (GO:0048232)	0.38	3.87E-05
iv	cellular protein localization (GO:0034613)	0.36	2.46E-07
iv	cellular macromolecule localization (GO:0070727)	0.36	2.20E-08
iv	cellular macromolecule metabolic process (GO:0044260)	0.35	3.45E-41
iv	cellular response to stress (GO:0033554)	0.35	3.19E-10
iv	microtubule-based process (GO:0007017)	0.35	3.35E-07
iv	microtubule cytoskeleton organization (GO:0000226)	0.35	1.60E-05
iv	response to nutrient levels (GO:0031667)	0.34	7.95E-04
iv	endomembrane system organization (GO:0010256)	0.32	1.91E-03
iv	peptide metabolic process (GO:0006518)	0.32	2.23E-07
iv	intracellular transport (GO:0046907)	0.31	6.83E-12
iv	regulation of organelle organization (GO:0033043)	0.31	2.97E-07
iv	protein catabolic process (GO:0030163)	0.31	1.77E-06
iv	detection of stimulus involved in sensory perception (GO:0050906)	0.3	1.03E-03
iv	regulation of cell cycle (GO:0051726)	0.3	1.13E-07
iv	regulation of gene expression, epigenetic (GO:0040029)	0.29	1.85E-03
iv	cell proliferation (GO:0008283)	0.28	3.87E-04
iv	cell cycle (GO:0007049)	0.28	3.09E-13
iv	macromolecule biosynthetic process (GO:0009059)	0.28	2.08E-16
iv	proteolysis involved in cellular protein catabolic process (GO:0051603)	0.28	1.09E-06
iv	cellular protein catabolic process (GO:0044257)	0.27	1.10E-06
iv	microtubule-based movement (GO:0007018)	0.27	6.83E-04
iv	regulation of hydrolase activity (GO:0051336)	0.27	2.02E-04
iv	establishment of protein localization to organelle (GO:0072594)	0.27	6.95E-04
iv	regulation of mitotic cell cycle (GO:0007346)	0.27	9.42E-06
iv	gene silencing (GO:0016458)	0.26	1.69E-03
iv	cell cycle process (GO:0022402)	0.26	3.77E-12
iv	protein localization to organelle (GO:0033365)	0.25	3.76E-05
iv	detection of chemical stimulus (GO:0009593)	0.25	1.79E-04
iv	cellular macromolecule biosynthetic process (GO:0034645)	0.24	1.21E-17
iv	ubiquitin-dependent protein catabolic process (GO:0006511)	0.24	8.63E-07
iv	modification-dependent protein catabolic process (GO:0019941)	0.24	8.63E-07
iv	mitotic cell cycle (GO:0000278)	0.24	1.88E-10
iv	proteasome-mediated ubiquitin-dependent protein catabolic process (G	0.24	1.27E-04
iv	meiotic cell cycle (GO:0051321)	0.24	2.77E-05
iv	modification-dependent macromolecule catabolic process (GO:0043632)	0.24	4.31E-07
iv	chromosome segregation (GO:0007059)	0.23	9.07E-05
iv	peptide transport (GO:0015833)	0.23	1.46E-09
iv	amide transport (GO:0042886)	0.23	1.52E-09
iv	organelle fission (GO:0048285)	0.23	1.54E-07
iv	establishment of protein localization (GO:0045184)	0.23	5.16E-10

iv	proteasomal protein catabolic process (GO:0010498)	0.22	4.68E-05
iv	cellular macromolecule catabolic process (GO:0044265)	0.22	3.77E-10
iv	gene expression (GO:0010467)	0.22	4.87E-26
iv	meiotic nuclear division (GO:0140013)	0.22	3.20E-05
iv	regulation of mitotic cell cycle phase transition (GO:1901990)	0.22	2.16E-04
iv	cilium organization (GO:0044782)	0.22	1.48E-03
iv	regulation of cell cycle phase transition (GO:1901987)	0.22	2.24E-04
iv	protein transport (GO:0015031)	0.21	6.07E-10
iv	cell cycle checkpoint (GO:0000075)	0.21	1.04E-03
iv	meiotic cell cycle process (GO:1903046)	0.21	1.68E-05
iv	nuclear division (GO:0000280)	0.21	1.28E-07
iv	tRNA metabolic process (GO:0006399)	0.21	1.09E-03
iv	protein modification by small protein conjugation or removal (GO:00706	0.21	1.31E-07
iv	mitotic cell cycle process (GO:1903047)	0.2	4.77E-09
iv	negative regulation of mitotic cell cycle (GO:0045930)	0.2	5.12E-04
iv	chromatin organization (GO:0006325)	0.2	3.21E-09
iv	negative regulation of cell cycle process (GO:0010948)	0.2	5.16E-04
iv	regulation of cell cycle process (GO:0010564)	0.19	2.80E-06
iv	regulation of chromosome organization (GO:0033044)	0.18	1.84E-04
iv	peptidyl-lysine modification (GO:0018205)	0.18	1.84E-04
iv	chromosome organization (GO:0051276)	0.17	3.50E-15
iv	protein ubiquitination (GO:0016567)	0.16	2.16E-06
iv	chromatin remodeling (GO:0006338)	0.16	1.20E-03
iv	nucleic acid-templated transcription (GO:0097659)	0.16	1.43E-06
iv	transcription, DNA-templated (GO:0006351)	0.16	1.43E-06
iv	detection of chemical stimulus involved in sensory perception (GO:00501	0.16	1.22E-03
iv	RNA biosynthetic process (GO:0032774)	0.16	9.84E-07
iv	mitochondrial gene expression (GO:0140053)	0.16	8.32E-04
iv	nuclear chromosome segregation (GO:0098813)	0.16	2.90E-05
iv	negative regulation of cell cycle (GO:0045786)	0.16	2.90E-05
iv	amide biosynthetic process (GO:0043604)	0.16	5.86E-10
iv	intracellular protein transport (GO:0006886)	0.15	6.01E-10
iv	protein modification by small protein conjugation (GO:0032446)	0.15	3.36E-07
iv	RNA localization (GO:0006403)	0.15	9.32E-06
iv	mitotic nuclear division (GO:0140014)	0.15	4.00E-04
iv	histone modification (GO:0016570)	0.14	6.37E-06
iv	covalent chromatin modification (GO:0016569)	0.14	6.45E-06
iv	ncRNA processing (GO:0034470)	0.14	1.14E-07
iv	DNA metabolic process (GO:0006259)	0.14	1.23E-09
iv	nucleobase-containing compound transport (GO:0015931)	0.13	1.33E-04
iv	ribonucleoprotein complex assembly (GO:0022618)	0.12	4.09E-05
iv	ribonucleoprotein complex subunit organization (GO:0071826)	0.11	2.05E-05
iv	nucleic acid metabolic process (GO:0090304)	0.11	1.37E-37
iv	ncRNA metabolic process (GO:0034660)	0.11	7.72E-11
iv	RNA metabolic process (GO:0016070)	0.11	2.00E-29
iv	cellular response to DNA damage stimulus (GO:0006974)	0.1	2.58E-11
iv	DNA-templated transcription, initiation (GO:0006352)	0.1	1.87E-03
iv	mitotic sister chromatid segregation (GO:0000070)	0.1	1.24E-03
iv	protein acetylation (GO:0006473)	0.1	1.24E-03
iv	RNA processing (GO:0006396)	0.1	1.13E-18
iv	nucleic acid phosphodiester bond hydrolysis (GO:0090305)	0.09	8.77E-04
iv	ribonucleoprotein complex biogenesis (GO:0022613)	0.09	4.45E-11

iv	sister chromatid segregation (GO:0000819)	0.08	2.58E-04
iv	translation (GO:0006412)	0.08	1.32E-11
iv	peptide biosynthetic process (GO:0043043)	0.08	9.36E-12
iv	cellularization (GO:0007349)	0.08	1.74E-04
iv	protein-DNA complex subunit organization (GO:0071824)	0.08	1.75E-04
iv	DNA packaging (GO:0006323)	0.08	1.79E-04
iv	macromolecule methylation (GO:0043414)	0.08	1.79E-04
iv	ribosome biogenesis (GO:0042254)	0.08	1.77E-08
iv	RNA transport (GO:0050658)	0.08	1.17E-04
iv	nucleic acid transport (GO:0050657)	0.08	1.17E-04
iv	establishment of RNA localization (GO:0051236)	0.08	1.18E-04
iv	cytoplasmic translation (GO:0002181)	0.08	7.90E-05
iv	protein acylation (GO:0043543)	0.08	7.91E-05
iv	endosomal transport (GO:0016197)	0.07	8.06E-05
iv	methylation (GO:0032259)	0.07	8.06E-05
iv	nuclear transport (GO:0051169)	0.07	5.73E-05
iv	nucleocytoplasmic transport (GO:0006913)	0.07	5.73E-05
iv	spindle organization (GO:0007051)	0.07	2.41E-05
iv	DNA conformation change (GO:0071103)	0.07	2.41E-05
iv	mRNA processing (GO:0006397)	0.06	1.52E-10
iv	rRNA processing (GO:0006364)	0.06	3.29E-06
iv	rRNA metabolic process (GO:0016072)	0.06	1.48E-06
iv	mRNA metabolic process (GO:0016071)	0.05	1.06E-13
iv	DNA repair (GO:0006281)	0.05	2.01E-07
iv	mRNA splicing, via spliceosome (GO:0000398)	0.04	2.37E-09
iv	RNA splicing, via transesterification reactions with bulged adenosine as r	0.04	2.37E-09
iv	RNA splicing, via transesterification reactions (GO:0000375)	0.04	1.55E-09
iv	RNA splicing (GO:0008380)	0.04	3.10E-10
iv	protein polyubiquitination (GO:0000209)	< 0.01	2.80E-04
iv	Ras protein signal transduction (GO:0007265)	< 0.01	2.80E-04
iv	protein-DNA complex assembly (GO:0065004)	< 0.01	2.31E-03
iv	protein export from nucleus (GO:0006611)	< 0.01	1.49E-03
iv	regulation of mitotic nuclear division (GO:0007088)	< 0.01	6.96E-04
iv	positive regulation of chromosome organization (GO:2001252)	< 0.01	2.27E-03
iv	protein lipidation (GO:0006497)	< 0.01	9.78E-04
iv	RNA export from nucleus (GO:0006405)	< 0.01	9.95E-04
iv	mRNA catabolic process (GO:0006402)	< 0.01	1.03E-03
iv	RNA catabolic process (GO:0006401)	< 0.01	2.02E-04
iv	regulation of nuclear division (GO:0051783)	< 0.01	2.99E-04
iv	DNA recombination (GO:0006310)	< 0.01	2.86E-04
iv	double-strand break repair (GO:0006302)	< 0.01	4.29E-04
iv	ribosomal large subunit biogenesis (GO:0042273)	< 0.01	1.54E-03
iv	lipoprotein biosynthetic process (GO:0042158)	< 0.01	9.78E-04
iv	lipoprotein metabolic process (GO:0042157)	< 0.01	6.64E-04
iv	nuclear export (GO:0051168)	< 0.01	4.45E-04
v	spindle assembly involved in female meiosis (GO:0007056)	3.48	2.03E-03
v	SMAD protein import into nucleus (GO:0007184)	3.48	3.99E-03
v	regulation of DNA recombination (GO:0000018)	3.48	1.31E-03
v	negative regulation of DNA recombination (GO:0045910)	3.48	3.99E-03
v	nuclear pore organization (GO:0006999)	3.48	3.99E-03
v	nuclear-transcribed mRNA catabolic process, exonucleolytic (GO:000029	3.48	6.00E-03
v	ncRNA transcription (GO:0098781)	3.48	1.77E-03

v	snRNA metabolic process (GO:0016073)	3.38	1.31E-06
v	snRNA processing (GO:0016180)	3.34	6.01E-05
v	DNA replication initiation (GO:0006270)	3.33	9.00E-05
v	establishment of chromosome localization (GO:0051303)	3.33	9.00E-05
v	DNA amplification (GO:0006277)	3.32	1.35E-04
v	snRNA 3'-end processing (GO:0034472)	3.32	1.35E-04
v	ribosomal large subunit assembly (GO:0000027)	3.31	2.03E-04
v	eggshell chorion gene amplification (GO:0007307)	3.31	3.06E-04
v	metaphase plate congression (GO:0051310)	3.31	3.06E-04
v	chromosome separation (GO:0051304)	3.31	3.06E-04
v	negative regulation of chromosome segregation (GO:0051985)	3.3	4.62E-04
v	negative regulation of sister chromatid segregation (GO:0033046)	3.29	7.00E-04
v	mitotic metaphase plate congression (GO:0007080)	3.26	1.62E-03
v	regulation of lamellipodium organization (GO:1902743)	3.26	1.62E-03
v	regulation of lamellipodium assembly (GO:0010591)	3.26	1.62E-03
v	negative regulation of metaphase/anaphase transition of cell cycle (GO:0000027)	3.26	1.62E-03
v	negative regulation of chromosome separation (GO:1905819)	3.26	1.62E-03
v	negative regulation of mitotic sister chromatid separation (GO:2000816)	3.25	2.48E-03
v	negative regulation of mitotic sister chromatid segregation (GO:0033048)	3.25	2.48E-03
v	negative regulation of mitotic metaphase/anaphase transition (GO:0045198)	3.25	2.48E-03
v	ncRNA 3'-end processing (GO:0043628)	3.25	1.92E-05
v	G1/S transition of mitotic cell cycle (GO:0000082)	3.23	3.81E-03
v	mitotic spindle assembly checkpoint (GO:0007094)	3.23	3.81E-03
v	cell cycle G1/S phase transition (GO:0044843)	3.23	3.81E-03
v	mitotic spindle checkpoint (GO:0071174)	3.23	3.81E-03
v	spindle assembly checkpoint (GO:0071173)	3.23	3.81E-03
v	RNA surveillance (GO:0071025)	3.23	3.81E-03
v	regulation of mitotic cell cycle, embryonic (GO:0009794)	3.23	3.81E-03
v	chromosome localization (GO:0050000)	3.22	3.92E-05
v	DNA replication checkpoint (GO:0000076)	3.21	5.88E-03
v	attachment of spindle microtubules to kinetochore (GO:0008608)	3.21	5.88E-03
v	nuclear RNA surveillance (GO:0071027)	3.21	5.88E-03
v	spliceosomal snRNP assembly (GO:0000387)	3.13	6.32E-04
v	nucleotide-excision repair (GO:0006289)	3.08	1.83E-04
v	transcription initiation from RNA polymerase II promoter (GO:0006367)	3.06	1.10E-09
v	maturational LSU-rRNA (GO:0000470)	3.06	2.77E-04
v	karyosome formation (GO:0030717)	3.05	3.07E-05
v	negative regulation of chromosome organization (GO:2001251)	3.03	6.16E-06
v	ribosomal large subunit biogenesis (GO:0042273)	3.03	7.59E-09
v	establishment or maintenance of neuroblast polarity (GO:0045196)	3.02	4.90E-03
v	spindle checkpoint (GO:0031577)	3.02	4.90E-03
v	DNA-dependent DNA replication (GO:0006261)	3.01	3.93E-10
v	mitotic cell cycle checkpoint (GO:0007093)	3.01	1.52E-13
v	cell cycle checkpoint (GO:0000075)	3	5.34E-15
v	DNA integrity checkpoint (GO:0031570)	3	2.95E-12
v	regulation of DNA metabolic process (GO:0051052)	2.99	5.33E-08
v	DNA damage checkpoint (GO:0000077)	2.98	5.81E-12
v	mitotic DNA integrity checkpoint (GO:0044774)	2.98	4.47E-11
v	regulation of transposition (GO:0010528)	2.98	8.85E-04
v	RNA 3'-end processing (GO:0031123)	2.97	1.51E-08
v	mitotic DNA damage checkpoint (GO:0044773)	2.97	9.79E-11
v	mitotic G2/M transition checkpoint (GO:0044818)	2.97	5.25E-10

v	homologous recombination (GO:0035825)	2.97	2.82E-05
v	DNA replication (GO:0006260)	2.97	1.83E-11
v	cell cycle DNA replication (GO:0044786)	2.96	2.25E-04
v	negative regulation of cell cycle phase transition (GO:1901988)	2.96	1.23E-13
v	cytoplasmic translation (GO:0002181)	2.96	1.83E-13
v	negative regulation of mitotic cell cycle phase transition (GO:1901991)	2.96	1.83E-13
v	negative regulation of chromatin organization (GO:1905268)	2.96	1.31E-03
v	negative regulation of transposition (GO:0010529)	2.96	1.31E-03
v	reciprocal meiotic recombination (GO:0007131)	2.95	4.16E-05
v	mitotic G2 DNA damage checkpoint (GO:0007095)	2.95	1.65E-09
v	G2 DNA damage checkpoint (GO:0031572)	2.95	1.65E-09
v	pole plasm mRNA localization (GO:0019094)	2.94	1.11E-05
v	negative regulation of cell cycle G2/M phase transition (GO:1902750)	2.94	4.73E-10
v	negative regulation of G2/M transition of mitotic cell cycle (GO:0010972)	2.94	4.73E-10
v	pole plasm oskar mRNA localization (GO:0045451)	2.94	6.13E-05
v	chromosome condensation (GO:0030261)	2.93	5.66E-07
v	regulation of cell cycle G2/M phase transition (GO:1902749)	2.93	3.72E-11
v	mRNA cleavage (GO:0006379)	2.93	1.96E-03
v	regulation of response to DNA damage stimulus (GO:2001020)	2.93	1.96E-03
v	positive regulation of DNA metabolic process (GO:0051054)	2.93	1.96E-03
v	regulation of G2/M transition of mitotic cell cycle (GO:0010389)	2.92	8.23E-11
v	RNA secondary structure unwinding (GO:0010501)	2.92	9.05E-05
v	sister chromatid segregation (GO:0000819)	2.91	5.77E-12
v	proteasome assembly (GO:0043248)	2.9	2.92E-03
v	negative regulation of nuclear division (GO:0051784)	2.9	7.57E-04
v	negative regulation of DNA metabolic process (GO:0051053)	2.9	7.57E-04
v	mitotic sister chromatid segregation (GO:0000070)	2.89	2.42E-10
v	negative regulation of mitotic cell cycle (GO:0045930)	2.89	1.41E-14
v	spindle assembly involved in meiosis (GO:0090306)	2.87	1.14E-03
v	DNA-templated transcription, initiation (GO:0006352)	2.87	7.57E-10
v	DNA biosynthetic process (GO:0071897)	2.87	1.41E-05
v	pole plasm RNA localization (GO:0007316)	2.87	1.41E-05
v	transcription from RNA polymerase III promoter (GO:0006383)	2.87	4.36E-03
v	response to ionizing radiation (GO:0010212)	2.87	8.15E-05
v	germarium-derived oocyte fate determination (GO:0007294)	2.86	2.92E-04
v	tRNA aminoacylation (GO:0043039)	2.86	2.08E-05
v	tRNA aminoacylation for protein translation (GO:0006418)	2.86	2.08E-05
v	positive regulation of chromatin silencing (GO:0031937)	2.85	1.71E-03
v	negative regulation of cell cycle process (GO:0010948)	2.84	3.09E-14
v	DNA recombination (GO:0006310)	2.84	3.47E-09
v	pole cell development (GO:0007277)	2.84	4.33E-04
v	intracellular mRNA localization (GO:0008298)	2.83	1.92E-08
v	negative regulation of cell cycle (GO:0045786)	2.83	2.90E-17
v	chromatin assembly or disassembly (GO:0006333)	2.83	1.36E-05
v	intracellular mRNA localization involved in anterior/posterior axis specific	2.83	3.33E-06
v	germarium-derived female germ-line cyst formation (GO:0030727)	2.82	2.57E-03
v	nuclear chromosome segregation (GO:0098813)	2.81	5.18E-17
v	regulation of metaphase/anaphase transition of cell cycle (GO:1902099)	2.81	2.71E-04
v	intracellular mRNA localization involved in pattern specification process	2.8	1.97E-06
v	regulation of cell cycle phase transition (GO:1901987)	2.79	3.53E-16
v	sister chromatid cohesion (GO:0007062)	2.78	4.04E-04
v	RNA interference (GO:0016246)	2.78	4.04E-04

v	histone H3 acetylation (GO:0043966)	2.78	4.04E-04
v	regulation of mitotic metaphase/anaphase transition (GO:0030071)	2.78	4.04E-04
v	pole cell formation (GO:0007279)	2.78	3.86E-03
v	regulation of cell cycle G1/S phase transition (GO:1902806)	2.78	9.53E-04
v	amino acid activation (GO:0043038)	2.78	2.73E-05
v	regulation of DNA replication (GO:0006275)	2.78	9.53E-04
v	regulation of G1/S transition of mitotic cell cycle (GO:2000045)	2.78	9.53E-04
v	centriole assembly (GO:0098534)	2.78	9.53E-04
v	rRNA metabolic process (GO:0016072)	2.78	1.90E-15
v	histone acetylation (GO:0016573)	2.77	1.41E-08
v	regulation of mitotic cell cycle phase transition (GO:1901990)	2.77	1.12E-15
v	recombinational repair (GO:0000725)	2.77	1.58E-05
v	double-strand break repair via homologous recombination (GO:0000724)	2.77	1.58E-05
v	germ-line cyst formation (GO:0048134)	2.76	6.03E-04
v	protein-DNA complex assembly (GO:0065004)	2.76	6.68E-07
v	nucleosome assembly (GO:0006334)	2.76	6.03E-04
v	chromosome segregation (GO:0007059)	2.76	4.46E-18
v	meiotic chromosome segregation (GO:0045132)	2.76	1.21E-08
v	transcription from RNA polymerase II promoter (GO:0006366)	2.76	2.82E-13
v	centriole replication (GO:0007099)	2.76	1.41E-03
v	histone H3-K4 methylation (GO:0051568)	2.76	1.41E-03
v	regulation of chromosome segregation (GO:0051983)	2.75	2.33E-05
v	internal protein amino acid acetylation (GO:0006475)	2.75	1.78E-08
v	peptidyl-lysine acetylation (GO:0018394)	2.75	1.78E-08
v	internal peptidyl-lysine acetylation (GO:0018393)	2.75	1.78E-08
v	regulation of meiotic cell cycle (GO:0051445)	2.75	5.81E-03
v	chromatin assembly (GO:0031497)	2.75	5.86E-05
v	rRNA processing (GO:0006364)	2.74	2.66E-14
v	germarium-derived oocyte differentiation (GO:0030706)	2.74	2.16E-04
v	mitotic nuclear division (GO:0140014)	2.73	7.94E-12
v	DNA repair (GO:0006281)	2.73	1.69E-16
v	gene silencing by RNA (GO:0031047)	2.73	5.63E-06
v	mRNA 3'-end processing (GO:0031124)	2.72	3.19E-04
v	histone lysine methylation (GO:0034968)	2.72	5.07E-05
v	regulation of sister chromatid segregation (GO:0033045)	2.72	5.07E-05
v	ribosome biogenesis (GO:0042254)	2.71	2.88E-20
v	protein import into nucleus (GO:0006606)	2.7	1.24E-06
v	nuclear import (GO:0051170)	2.7	1.24E-06
v	pole plasm assembly (GO:0007315)	2.69	4.49E-06
v	female germ-line cyst formation (GO:0048135)	2.69	3.12E-03
v	mitotic chromosome condensation (GO:0007076)	2.69	3.12E-03
v	peptidyl-lysine methylation (GO:0018022)	2.69	2.84E-05
v	ribonucleoprotein complex biogenesis (GO:0022613)	2.69	4.18E-27
v	regulation of chromosome separation (GO:1905818)	2.68	1.84E-04
v	protein acetylation (GO:0006473)	2.68	1.08E-08
v	rRNA modification (GO:0000154)	2.68	1.24E-03
v	RNA export from nucleus (GO:0006405)	2.68	4.14E-07
v	regulation of mitotic cell cycle (GO:0007346)	2.67	3.25E-23
v	nuclear export (GO:0051168)	2.67	9.68E-08
v	female meiosis chromosome segregation (GO:0016321)	2.66	2.70E-04
v	regulation of mitotic sister chromatid separation (GO:0010965)	2.66	2.70E-04
v	ncRNA metabolic process (GO:0034660)	2.66	1.70E-27

v	double-strand break repair (GO:0006302)	2.66	1.41E-07
v	cellular response to DNA damage stimulus (GO:0006974)	2.65	1.85E-28
v	gene silencing (GO:0016458)	2.65	2.98E-12
v	protein localization to nucleus (GO:0034504)	2.65	8.78E-07
v	RNA splicing, via transesterification reactions (GO:0000375)	2.65	5.25E-19
v	positive regulation of chromatin organization (GO:1905269)	2.65	2.48E-05
v	peptidyl-lysine modification (GO:0018205)	2.65	2.82E-13
v	histone methylation (GO:0016571)	2.64	1.41E-05
v	regulation of embryonic pattern specification (GO:1902875)	2.64	1.82E-03
v	mitotic cell cycle phase transition (GO:0044772)	2.64	1.03E-03
v	mRNA splicing, via spliceosome (GO:0000398)	2.64	1.12E-18
v	RNA splicing, via transesterification reactions with bulged adenosine as r	2.64	1.12E-18
v	cell cycle phase transition (GO:0044770)	2.64	3.96E-04
v	meiosis I (GO:0007127)	2.63	2.76E-08
v	regulation of cell cycle process (GO:0010564)	2.63	2.12E-19
v	mRNA transport (GO:0051028)	2.63	3.60E-05
v	DNA metabolic process (GO:0006259)	2.63	4.38E-26
v	RNA phosphodiester bond hydrolysis (GO:0090501)	2.63	8.09E-06
v	cytoplasm organization (GO:0007028)	2.63	4.91E-06
v	mitotic cell cycle process (GO:1903047)	2.62	2.41E-29
v	ribosomal small subunit biogenesis (GO:0042274)	2.62	4.37E-07
v	female meiotic nuclear division (GO:0007143)	2.62	1.73E-07
v	covalent chromatin modification (GO:0016569)	2.62	1.45E-15
v	mitotic cell cycle (GO:0000278)	2.62	4.20E-39
v	protein-DNA complex subunit organization (GO:0071824)	2.62	8.73E-10
v	histone modification (GO:0016570)	2.62	2.11E-15
v	RNA splicing (GO:0008380)	2.61	8.54E-20
v	positive regulation of chromosome organization (GO:2001252)	2.61	7.18E-06
v	regulation of oocyte development (GO:0060281)	2.61	2.68E-03
v	regulation of transcription initiation from RNA polymerase II promoter (C	2.61	2.68E-03
v	protein export from nucleus (GO:0006611)	2.61	2.70E-06
v	mRNA polyadenylation (GO:0006378)	2.61	2.68E-03
v	regulation of mitotic sister chromatid segregation (GO:0033047)	2.61	3.52E-04
v	posttranscriptional gene silencing by RNA (GO:0035194)	2.61	5.23E-05
v	regulation of intracellular mRNA localization (GO:1904580)	2.61	2.68E-03
v	regulation of DNA-templated transcription, initiation (GO:2000142)	2.61	2.68E-03
v	chromosome organization involved in meiotic cell cycle (GO:0070192)	2.61	2.68E-03
v	regulation of pole plasm oskar mRNA localization (GO:0007317)	2.61	2.68E-03
v	chromatin remodeling (GO:0006338)	2.61	1.27E-09
v	mRNA processing (GO:0006397)	2.59	6.01E-22
v	posttranscriptional gene silencing (GO:0016441)	2.59	4.40E-05
v	oocyte fate determination (GO:0030716)	2.59	5.18E-04
v	nucleic acid-templated transcription (GO:0097659)	2.58	1.33E-17
v	transcription, DNA-templated (GO:0006351)	2.58	1.33E-17
v	RNA biosynthetic process (GO:0032774)	2.58	7.28E-18
v	chromosome organization (GO:0051276)	2.58	2.65E-44
v	ribonucleoprotein complex localization (GO:0071166)	2.58	1.53E-05
v	nucleic acid metabolic process (GO:0090304)	2.58	4.86E-97
v	maturation of SSU-rRNA (GO:0030490)	2.58	2.48E-05
v	regulation of protein stability (GO:0031647)	2.58	2.48E-05
v	positive regulation of plasma membrane bounded cell projection assem	2.57	3.94E-03
v	translation (GO:0006412)	2.57	4.29E-25

v	positive regulation of cell cycle (GO:0045787)	2.57	3.33E-06
v	nuclear transport (GO:0051169)	2.56	2.55E-10
v	nucleocytoplasmic transport (GO:0006913)	2.56	2.55E-10
v	ribonucleoprotein complex export from nucleus (GO:0071426)	2.56	2.24E-05
v	RNA localization (GO:0006403)	2.56	1.96E-14
v	ncRNA processing (GO:0034470)	2.56	1.86E-19
v	RNA metabolic process (GO:0016070)	2.56	2.67E-71
v	nuclear migration (GO:0007097)	2.55	1.24E-03
v	oocyte microtubule cytoskeleton organization (GO:0016325)	2.55	1.24E-03
v	peptide biosynthetic process (GO:0043043)	2.55	5.20E-25
v	mRNA metabolic process (GO:0016071)	2.55	3.79E-26
v	regulation of chromatin silencing (GO:0031935)	2.55	9.38E-05
v	RNA processing (GO:0006396)	2.55	5.76E-42
v	spindle assembly (GO:0051225)	2.55	1.59E-06
v	RNA polyadenylation (GO:0043631)	2.54	3.32E-03
v	mRNA-containing ribonucleoprotein complex export from nucleus (GO:0	2.54	4.06E-04
v	mRNA export from nucleus (GO:0006406)	2.54	4.06E-04
v	positive regulation of mitotic cell cycle (GO:0045931)	2.54	4.06E-04
v	maturation of SSU-rRNA from tricistronic rRNA transcript (SSU-rRNA, 5.8	2.54	4.06E-04
v	oocyte anterior/posterior axis specification (GO:0007314)	2.54	5.38E-07
v	ribonucleoprotein complex subunit organization (GO:0071826)	2.53	2.70E-12
v	positive regulation of protein complex assembly (GO:0031334)	2.53	1.37E-04
v	positive regulation of cell cycle phase transition (GO:1901989)	2.53	5.80E-03
v	maternal determination of anterior/posterior axis, embryo (GO:0008358	2.53	3.09E-07
v	amide biosynthetic process (GO:0043604)	2.53	1.70E-25
v	nuclear division (GO:0000280)	2.53	2.07E-22
v	regulation of chromosome organization (GO:0033044)	2.52	9.69E-12
v	telomere maintenance (GO:0000723)	2.52	1.82E-03
v	telomere organization (GO:0032200)	2.52	1.82E-03
v	cell cycle (GO:0007049)	2.52	1.54E-51
v	negative regulation of gene expression, epigenetic (GO:0045814)	2.51	1.12E-06
v	ribonucleoprotein complex assembly (GO:0022618)	2.51	2.44E-11
v	microtubule organizing center organization (GO:0031023)	2.51	6.41E-07
v	regulation of DNA-templated transcription, elongation (GO:0032784)	2.51	4.89E-03
v	regulation of gene silencing by RNA (GO:0060966)	2.51	4.89E-03
v	chromatin organization (GO:0006325)	2.5	4.33E-26
v	chromatin silencing (GO:0006342)	2.5	1.63E-06
v	meiotic cell cycle process (GO:1903046)	2.5	8.73E-16
v	cell cycle process (GO:0022402)	2.5	2.26E-42
v	meiotic nuclear division (GO:0140013)	2.5	6.45E-15
v	regulation of cell cycle (GO:0051726)	2.49	1.96E-29
v	gene expression (GO:0010467)	2.49	1.63E-86
v	positive regulation of protein polymerization (GO:0032273)	2.49	2.66E-03
v	positive regulation of cell cycle process (GO:0090068)	2.49	8.64E-04
v	centrosome duplication (GO:0051298)	2.49	8.64E-04
v	regulation of gene silencing (GO:0060968)	2.49	8.16E-07
v	regulation of chromatin organization (GO:1902275)	2.48	5.37E-08
v	organelle fission (GO:0048285)	2.48	3.24E-22
v	meiotic cell cycle (GO:0051321)	2.47	5.92E-16
v	heterochromatin organization (GO:0070828)	2.47	4.89E-04
v	centrosome cycle (GO:0007098)	2.47	3.38E-06
v	nucleosome organization (GO:0034728)	2.46	5.80E-06

v	ATP-dependent chromatin remodeling (GO:0043044)	2.46	4.21E-04
v	oocyte differentiation (GO:0009994)	2.45	3.18E-12
v	establishment of RNA localization (GO:0051236)	2.45	1.14E-08
v	oocyte axis specification (GO:0007309)	2.45	2.21E-09
v	protein acylation (GO:0043543)	2.45	6.67E-09
v	microtubule cytoskeleton organization involved in mitosis (GO:1902850)	2.45	1.04E-07
v	nucleus localization (GO:0051647)	2.45	7.08E-04
v	mitochondrial translation (GO:0032543)	2.44	8.57E-08
v	RNA transport (GO:0050658)	2.44	1.64E-08
v	nucleic acid transport (GO:0050657)	2.44	1.64E-08
v	germarium-derived egg chamber formation (GO:0007293)	2.44	6.16E-10
v	protein methylation (GO:0006479)	2.44	7.02E-06
v	protein alkylation (GO:0008213)	2.44	7.02E-06
v	oocyte development (GO:0048599)	2.44	1.21E-10
v	regulation of gene expression, epigenetic (GO:0040029)	2.44	5.69E-11
v	DNA conformation change (GO:0071103)	2.43	2.19E-09
v	DNA packaging (GO:0006323)	2.42	3.35E-08
v	oocyte construction (GO:0007308)	2.42	3.13E-09
v	establishment of mitotic spindle localization (GO:0040001)	2.41	5.69E-03
v	regulation of organelle assembly (GO:1902115)	2.41	5.69E-03
v	negative regulation of organelle organization (GO:0010639)	2.41	1.34E-06
v	mitotic spindle organization (GO:0007052)	2.4	4.73E-06
v	maturity of 5.8S rRNA (GO:0000460)	2.4	3.26E-03
v	cellular macromolecule biosynthetic process (GO:0034645)	2.4	6.58E-55
v	regulation of nuclear division (GO:0051783)	2.4	2.21E-06
v	spindle localization (GO:0051653)	2.39	2.66E-03
v	establishment of spindle localization (GO:0051293)	2.39	2.66E-03
v	regulation of actin filament length (GO:0030832)	2.39	1.28E-04
v	regulation of protein polymerization (GO:0032271)	2.39	1.28E-04
v	regulation of actin polymerization or depolymerization (GO:0008064)	2.39	1.28E-04
v	regulation of mitotic nuclear division (GO:0007088)	2.39	6.75E-06
v	regulation of smoothened signaling pathway (GO:0008589)	2.39	1.48E-03
v	regulation of cellular protein localization (GO:1903827)	2.38	6.11E-05
v	establishment or maintenance of microtubule cytoskeleton polarity (GO:0007089)	2.38	1.28E-03
v	regulation of histone modification (GO:0031056)	2.38	1.28E-03
v	oocyte dorsal/ventral axis specification (GO:0007310)	2.38	6.91E-04
v	spindle organization (GO:0007051)	2.37	9.26E-09
v	tRNA metabolic process (GO:0006399)	2.37	9.26E-09
v	nuclear-transcribed mRNA catabolic process, deadenylation-dependent (GO:0007052)	2.36	4.72E-03
v	cellular response to hypoxia (GO:0071456)	2.36	4.72E-03
v	protein N-linked glycosylation (GO:0006487)	2.36	4.72E-03
v	nuclear-transcribed mRNA catabolic process (GO:0000956)	2.36	4.99E-05
v	positive regulation of translation (GO:0045727)	2.36	3.85E-03
v	single fertilization (GO:0007338)	2.36	3.85E-03
v	macromolecule biosynthetic process (GO:0009059)	2.36	1.39E-53
v	ovarian nurse cell to oocyte transport (GO:0007300)	2.35	2.14E-03
v	regulation of cell maturation (GO:1903429)	2.35	2.14E-03
v	regulation of protein complex assembly (GO:0043254)	2.35	4.89E-07
v	ER to Golgi vesicle-mediated transport (GO:0006888)	2.34	2.64E-04
v	neural precursor cell proliferation (GO:0061351)	2.34	1.25E-04
v	neuroblast proliferation (GO:0007405)	2.34	1.25E-04
v	stem cell proliferation (GO:0072089)	2.34	3.36E-05

v	mitotic cell cycle, embryonic (GO:0045448)	2.32	5.58E-03
v	mRNA catabolic process (GO:0006402)	2.32	2.77E-05
v	ribosome assembly (GO:0042255)	2.32	1.79E-04
v	regulation of filopodium assembly (GO:0051489)	2.32	5.58E-03
v	fertilization (GO:0009566)	2.32	3.08E-03
v	regulation of mRNA splicing, via spliceosome (GO:0048024)	2.32	3.55E-06
v	positive regulation of Notch signaling pathway (GO:0045747)	2.32	1.43E-03
v	macromolecule methylation (GO:0043414)	2.32	2.20E-07
v	mitochondrial gene expression (GO:0140053)	2.31	1.80E-07
v	asymmetric cell division (GO:0008356)	2.31	1.80E-07
v	nucleobase-containing compound transport (GO:0015931)	2.3	1.59E-08
v	protein modification by small protein removal (GO:0070646)	2.3	6.80E-05
v	establishment or maintenance of cytoskeleton polarity (GO:0030952)	2.3	5.38E-04
v	regulation of actin filament polymerization (GO:0030833)	2.3	5.38E-04
v	regulation of actin filament-based process (GO:0032970)	2.29	6.09E-06
v	regulation of actin cytoskeleton organization (GO:0032956)	2.29	6.09E-06
v	positive regulation of supramolecular fiber organization (GO:1902905)	2.29	2.05E-03
v	regulation of plasma membrane bounded cell projection assembly (GO:0032957)	2.29	2.05E-03
v	regulation of cell projection assembly (GO:0060491)	2.29	2.05E-03
v	negative regulation of neural precursor cell proliferation (GO:2000178)	2.28	4.43E-03
v	negative regulation of neuroblast proliferation (GO:0007406)	2.28	4.43E-03
v	male meiotic nuclear division (GO:0007140)	2.28	8.61E-06
v	RNA catabolic process (GO:0006401)	2.28	8.61E-06
v	morphogenesis of follicular epithelium (GO:0016333)	2.27	4.44E-04
v	methylation (GO:0032259)	2.27	1.97E-07
v	cortical actin cytoskeleton organization (GO:0030866)	2.27	1.39E-03
v	positive regulation of cytoskeleton organization (GO:0051495)	2.27	1.39E-03
v	peptide metabolic process (GO:0006518)	2.27	5.35E-23
v	regulation of alternative mRNA splicing, via spliceosome (GO:0000381)	2.26	1.42E-05
v	peptidyl-amino acid modification (GO:0018193)	2.25	1.11E-16
v	meiotic cytokinesis (GO:0033206)	2.24	1.09E-03
v	regulation of RNA splicing (GO:0043484)	2.24	3.64E-06
v	dorsal/ventral axis specification (GO:0009950)	2.24	3.52E-05
v	cellular nitrogen compound biosynthetic process (GO:0044271)	2.24	1.31E-42
v	asymmetric neuroblast division (GO:0055059)	2.24	1.98E-03
v	regulation of embryonic development (GO:0045995)	2.24	7.73E-06
v	adherens junction organization (GO:0034332)	2.24	1.98E-03
v	regulation of mRNA metabolic process (GO:1903311)	2.23	5.46E-07
v	meiotic spindle organization (GO:0000212)	2.23	2.36E-03
v	positive regulation of organelle organization (GO:0010638)	2.23	6.69E-08
v	regulation of actin filament organization (GO:0110053)	2.23	1.57E-04
v	male meiosis cytokinesis (GO:0007112)	2.22	4.19E-03
v	RNA modification (GO:0009451)	2.22	1.09E-05
v	stem cell population maintenance (GO:0019827)	2.22	3.46E-06
v	maintenance of cell number (GO:0098727)	2.22	3.46E-06
v	cell maturation (GO:0048469)	2.22	4.74E-10
v	neuroblast division (GO:0055057)	2.21	1.55E-03
v	neuronal stem cell division (GO:0036445)	2.21	1.55E-03
v	protein import (GO:0017038)	2.21	2.77E-06
v	posttranscriptional regulation of gene expression (GO:0010608)	2.2	2.09E-10
v	cellular response to stress (GO:0033554)	2.2	4.89E-34
v	asymmetric stem cell division (GO:0098722)	2.2	1.46E-04

v	axis specification (GO:0009798)	2.19	6.27E-11
v	nucleus organization (GO:0006997)	2.19	2.14E-05
v	tRNA modification (GO:0006400)	2.19	2.19E-03
v	cell proliferation (GO:0008283)	2.19	6.93E-10
v	anterior/posterior axis specification (GO:0009948)	2.18	6.64E-08
v	regulation of mRNA processing (GO:0050684)	2.18	9.50E-06
v	nucleic acid phosphodiester bond hydrolysis (GO:0090305)	2.18	1.15E-05
v	cellular amide metabolic process (GO:0043603)	2.18	1.76E-22
v	somatic stem cell division (GO:0048103)	2.17	9.89E-04
v	protein deubiquitination (GO:0016579)	2.17	1.78E-03
v	stem cell division (GO:0017145)	2.16	6.25E-06
v	regulation of organelle organization (GO:0033043)	2.16	2.96E-19
v	cell division (GO:0051301)	2.15	4.16E-13
v	germ-line stem cell population maintenance (GO:0030718)	2.15	8.97E-05
v	regulation of translation (GO:0006417)	2.15	3.65E-08
v	anterior/posterior axis specification, embryo (GO:0008595)	2.14	3.69E-07
v	tripartite regional subdivision (GO:0007351)	2.14	3.69E-07
v	embryonic axis specification (GO:0000578)	2.14	2.49E-07
v	MAPK cascade (GO:0000165)	2.14	5.63E-03
v	positive regulation of catabolic process (GO:0009896)	2.14	5.82E-05
v	positive regulation of cellular component biogenesis (GO:0044089)	2.14	1.19E-06
v	nucleobase-containing compound metabolic process (GO:0006139)	2.14	3.61E-75
v	regulation of cytoskeleton organization (GO:0051493)	2.14	1.97E-07
v	female gamete generation (GO:0007292)	2.12	2.17E-34
v	germ-line stem cell division (GO:0042078)	2.12	2.88E-03
v	Golgi vesicle transport (GO:0048193)	2.11	1.48E-06
v	heterocycle metabolic process (GO:0046483)	2.11	9.52E-77
v	Golgi organization (GO:0007030)	2.11	7.41E-05
v	cellular nitrogen compound metabolic process (GO:0034641)	2.1	3.93E-95
v	negative regulation of cellular component organization (GO:0051129)	2.1	7.13E-08
v	regulation of cellular component size (GO:0032535)	2.1	4.77E-08
v	cellular response to starvation (GO:0009267)	2.1	3.14E-06
v	oogenesis (GO:0048477)	2.1	3.72E-30
v	positive regulation of cellular catabolic process (GO:0031331)	2.1	2.95E-04
v	cellular macromolecule metabolic process (GO:0044260)	2.1	7.84E-143
v	nucleobase-containing compound biosynthetic process (GO:0034654)	2.09	8.47E-18
v	encapsulation of foreign target (GO:0035010)	2.09	6.14E-03
v	cellular aromatic compound metabolic process (GO:0006725)	2.08	4.92E-76
v	regulation of protein serine/threonine kinase activity (GO:0071900)	2.07	2.08E-03
v	regulation of supramolecular fiber organization (GO:1902903)	2.07	1.42E-04
v	hemopoiesis (GO:0030097)	2.07	2.16E-04
v	negative regulation of translation (GO:0017148)	2.07	3.34E-04
v	regulation of GTPase activity (GO:0043087)	2.07	4.97E-05
v	regulation of cellular component biogenesis (GO:0044087)	2.06	3.27E-13
v	cellular response to nutrient levels (GO:0031669)	2.06	5.36E-06
v	regulation of protein catabolic process (GO:0042176)	2.06	2.59E-03
v	anterior/posterior pattern specification (GO:0009952)	2.06	4.80E-08
v	cellular response to extracellular stimulus (GO:0031668)	2.06	6.23E-06
v	positive regulation of cell growth (GO:0030307)	2.06	5.63E-03
v	positive regulation of growth (GO:0045927)	2.06	1.00E-06
v	cellular response to organic cyclic compound (GO:0071407)	2.05	8.73E-04
v	regulation of cellular response to stress (GO:0080135)	2.05	4.60E-05

v	tRNA processing (GO:0008033)	2.05	2.98E-04
v	organic cyclic compound metabolic process (GO:1901360)	2.04	1.77E-74
v	regulation of cell size (GO:0008361)	2.04	5.46E-05
v	protein localization to organelle (GO:0033365)	2.04	4.01E-09
v	heterocycle biosynthetic process (GO:0018130)	2.04	2.87E-19
v	cellular macromolecular complex assembly (GO:0034622)	2.04	2.94E-16
v	establishment of protein localization to organelle (GO:0072594)	2.04	2.10E-07
v	cytosolic transport (GO:0016482)	2.04	2.30E-03
v	negative regulation of protein modification process (GO:0031400)	2.03	1.42E-04
v	protein transport (GO:0015031)	2.03	2.26E-16
v	hematopoietic or lymphoid organ development (GO:0048534)	2.02	1.16E-04
v	immune system development (GO:0002520)	2.02	1.16E-04
v	negative regulation of cellular amide metabolic process (GO:0034249)	2.02	4.74E-04
v	microtubule cytoskeleton organization (GO:0000226)	2.02	4.49E-13
v	peptide transport (GO:0015833)	2.02	3.04E-16
v	amide transport (GO:0042886)	2.01	3.72E-16
v	positive regulation of cell projection organization (GO:0031346)	2.01	1.67E-03
v	negative regulation of protein phosphorylation (GO:0001933)	2.01	1.67E-03
v	macromolecular complex subunit organization (GO:0043933)	2	1.19E-20
v	response to ecdysone (GO:0035075)	2	4.99E-03
v	response to sterol (GO:0036314)	2	4.99E-03
v	regulation of protein localization (GO:0032880)	2	4.87E-05
v	positive regulation of multicellular organism growth (GO:0040018)	2	3.65E-03
v	negative regulation of phosphorylation (GO:0042326)	2	1.88E-03
v	positive regulation of cellular component organization (GO:0051130)	2	1.29E-10
v	eggshell chorion assembly (GO:0007306)	1.99	2.66E-04
v	cellular process involved in reproduction in multicellular organism (GO:0	1.99	1.15E-36
v	intracellular protein transport (GO:0006886)	1.99	4.61E-13
v	cellular macromolecule localization (GO:0070727)	1.99	3.05E-20
v	aromatic compound biosynthetic process (GO:0019438)	1.99	6.50E-18
v	protein secretion (GO:0009306)	1.99	5.53E-03
v	positive regulation of GTPase activity (GO:0043547)	1.99	1.48E-03
v	cellular response to external stimulus (GO:0071496)	1.98	9.97E-06
v	negative regulation of neurogenesis (GO:0050768)	1.98	8.87E-04
v	establishment of protein localization (GO:0045184)	1.98	7.28E-16
v	Notch signaling pathway (GO:0007219)	1.98	4.39E-03
v	cortical cytoskeleton organization (GO:0030865)	1.98	4.39E-03
v	germ cell development (GO:0007281)	1.98	7.83E-30
v	regulation of cellular localization (GO:0060341)	1.97	7.24E-06
v	endomembrane system organization (GO:0010256)	1.97	1.34E-06
v	regulation of kinase activity (GO:0043549)	1.97	1.71E-04
v	positive regulation of developmental growth (GO:0048639)	1.96	4.28E-05
v	cellular biosynthetic process (GO:0044249)	1.96	1.79E-46
v	regulation of organ growth (GO:0046620)	1.95	3.14E-03
v	negative regulation of nervous system development (GO:0051961)	1.95	3.06E-05
v	lymph gland development (GO:0048542)	1.95	6.04E-03
v	peptide secretion (GO:0002790)	1.95	6.04E-03
v	macromolecular complex assembly (GO:0065003)	1.95	2.00E-15
v	organelle organization (GO:0006996)	1.95	5.71E-63
v	negative regulation of developmental growth (GO:0048640)	1.94	6.73E-04
v	regulation of protein kinase activity (GO:0045859)	1.94	4.02E-04
v	gamete generation (GO:0007276)	1.94	1.18E-35

v	developmental maturation (GO:0021700)	1.94	4.16E-08
v	organic cyclic compound biosynthetic process (GO:1901362)	1.93	1.58E-17
v	cytoskeleton-dependent cytokinesis (GO:0061640)	1.92	1.34E-04
v	regulation of cellular amide metabolic process (GO:0034248)	1.92	1.59E-07
v	cytokinesis (GO:0000910)	1.92	1.05E-04
v	cellularization (GO:0007349)	1.91	2.00E-04
v	regulation of reproductive process (GO:2000241)	1.91	8.12E-04
v	mitotic cytokinesis (GO:0000281)	1.9	3.35E-03
v	organic substance biosynthetic process (GO:1901576)	1.9	1.22E-43
v	regulation of intracellular transport (GO:0032386)	1.9	2.67E-03
v	regulation of transferase activity (GO:0051338)	1.9	1.27E-04
v	blastoderm segmentation (GO:0007350)	1.89	5.10E-07
v	establishment of cell polarity (GO:0030010)	1.89	5.13E-03
v	establishment of organelle localization (GO:0051656)	1.89	8.11E-08
v	regulation of catabolic process (GO:0009894)	1.89	2.54E-06
v	biosynthetic process (GO:0009058)	1.88	1.29E-43
v	developmental process involved in reproduction (GO:0003006)	1.88	2.32E-28
v	protein localization (GO:0008104)	1.88	4.93E-19
v	regulation of multicellular organism growth (GO:0040014)	1.88	2.10E-03
v	cellular protein localization (GO:0034613)	1.88	6.33E-15
v	negative regulation of phosphorus metabolic process (GO:0010563)	1.87	1.35E-03
v	negative regulation of phosphate metabolic process (GO:0045936)	1.87	1.35E-03
v	positive regulation of protein metabolic process (GO:0051247)	1.87	4.60E-09
v	cellular protein metabolic process (GO:0044267)	1.87	2.93E-52
v	regulation of cellular component organization (GO:0051128)	1.87	4.96E-24
v	negative regulation of cell development (GO:0010721)	1.87	1.18E-03
v	regulation of cell growth (GO:0001558)	1.86	2.82E-03
v	regulation of cell shape (GO:0008360)	1.86	2.82E-03
v	negative regulation of cell proliferation (GO:0008285)	1.86	8.36E-04
v	border follicle cell migration (GO:0007298)	1.86	1.13E-04
v	positive regulation of cellular protein metabolic process (GO:0032270)	1.85	2.02E-08
v	embryonic pattern specification (GO:0009880)	1.85	3.83E-07
v	cellular component biogenesis (GO:0044085)	1.85	8.07E-35
v	larval development (GO:0002164)	1.85	1.90E-05
v	protein folding (GO:0006457)	1.84	1.51E-04
v	negative regulation of cell differentiation (GO:0045596)	1.84	1.22E-04
v	regulation of developmental growth (GO:0048638)	1.84	4.67E-08
v	positive regulation of protein modification process (GO:0031401)	1.84	4.99E-06
v	macromolecule localization (GO:0033036)	1.84	1.16E-21
v	negative regulation of macromolecule biosynthetic process (GO:0010558)	1.84	2.76E-11
v	negative regulation of cellular macromolecule biosynthetic process (GO:0010559)	1.84	2.76E-11
v	regulation of synapse assembly (GO:0051963)	1.83	2.62E-04
v	ovarian follicle cell migration (GO:0007297)	1.83	8.39E-05
v	negative regulation of gene expression (GO:0010629)	1.83	1.60E-14
v	nucleobase-containing compound catabolic process (GO:0034655)	1.83	6.65E-05
v	positive regulation of MAPK cascade (GO:0043410)	1.83	2.63E-03
v	nitrogen compound transport (GO:0071705)	1.83	4.52E-15
v	regulation of protein metabolic process (GO:0051246)	1.82	5.10E-17
v	segmentation (GO:0035282)	1.82	2.31E-07
v	proteasome-mediated ubiquitin-dependent protein catabolic process (GO:0043411)	1.82	7.93E-06
v	negative regulation of nucleobase-containing compound metabolic process (GO:0034656)	1.82	5.85E-10
v	negative regulation of cellular biosynthetic process (GO:0031327)	1.82	2.79E-11

v	negative regulation of biosynthetic process (GO:0009890)	1.82	2.79E-11
v	regulation of autophagy (GO:0010506)	1.82	1.63E-03
v	regulation of gene expression (GO:0010468)	1.82	6.63E-40
v	regulation of protein phosphorylation (GO:0001932)	1.81	7.29E-07
v	negative regulation of macromolecule metabolic process (GO:0010605)	1.81	1.87E-17
v	regulation of small GTPase mediated signal transduction (GO:0051056)	1.81	1.87E-04
v	regulation of growth (GO:0040008)	1.81	1.02E-09
v	microtubule-based process (GO:0007017)	1.81	2.29E-12
v	cellular localization (GO:0051641)	1.81	5.22E-25
v	regulation of cellular protein metabolic process (GO:0032268)	1.81	2.53E-15
v	organelle localization (GO:0051640)	1.81	5.43E-08
v	regulation of synaptic growth at neuromuscular junction (GO:0008582)	1.81	7.07E-04
v	negative regulation of cellular process (GO:0048523)	1.81	3.21E-32
v	regulation of macromolecule metabolic process (GO:0060255)	1.81	9.91E-52
v	protein localization to membrane (GO:0072657)	1.8	3.09E-03
v	regulation of protein modification process (GO:0031399)	1.8	3.81E-09
v	establishment of localization in cell (GO:0051649)	1.8	7.98E-20
v	regulation of cellular catabolic process (GO:0031329)	1.8	5.10E-05
v	positive regulation of molecular function (GO:0044093)	1.8	1.57E-06
v	vesicle organization (GO:0016050)	1.8	1.41E-03
v	organonitrogen compound biosynthetic process (GO:1901566)	1.8	2.65E-20
v	protein targeting (GO:0006605)	1.8	1.22E-03
v	ovarian follicle cell development (GO:0030707)	1.79	2.19E-09
v	negative regulation of metabolic process (GO:0009892)	1.79	5.64E-18
v	regulation of macromolecule biosynthetic process (GO:0010556)	1.79	1.96E-32
v	cellular component organization or biogenesis (GO:0071840)	1.79	1.61E-86
v	regulation of neuromuscular junction development (GO:1904396)	1.79	6.10E-04
v	columnar/cuboidal epithelial cell development (GO:0002066)	1.79	2.30E-09
v	regulation of Ras protein signal transduction (GO:0046578)	1.78	3.74E-04
v	regulation of cellular macromolecule biosynthetic process (GO:2000112)	1.78	1.56E-31
v	response to starvation (GO:0042594)	1.78	1.83E-05
v	epithelial cell development (GO:0002064)	1.78	4.66E-10
v	intracellular transport (GO:0046907)	1.78	5.64E-17
v	positive regulation of catalytic activity (GO:0043085)	1.78	1.05E-05
v	protein modification by small protein conjugation or removal (GO:00706	1.78	5.39E-08
v	negative regulation of biological process (GO:0048519)	1.78	2.47E-35
v	regulation of phosphorylation (GO:0042325)	1.78	7.37E-07
v	negative regulation of multicellular organismal process (GO:0051241)	1.78	8.01E-06
v	negative regulation of nitrogen compound metabolic process (GO:00511	1.77	1.74E-13
v	macromolecule modification (GO:0043412)	1.77	4.61E-30
v	cytoskeleton organization (GO:0007010)	1.77	4.20E-14
v	regulation of nucleobase-containing compound metabolic process (GO:0	1.77	9.22E-31
v	negative regulation of RNA biosynthetic process (GO:1902679)	1.77	4.38E-08
v	negative regulation of transcription, DNA-templated (GO:0045892)	1.77	4.38E-08
v	negative regulation of nucleic acid-templated transcription (GO:1903507	1.77	4.38E-08
v	negative regulation of cellular metabolic process (GO:0031324)	1.77	2.73E-14
v	positive regulation of macromolecule metabolic process (GO:0010604)	1.77	2.63E-17
v	proteasomal protein catabolic process (GO:0010498)	1.77	1.48E-05
v	positive regulation of protein phosphorylation (GO:0001934)	1.77	2.64E-04
v	regulation of biosynthetic process (GO:0009889)	1.77	5.21E-32
v	negative regulation of developmental process (GO:0051093)	1.77	4.29E-06
v	dorsal/ventral pattern formation (GO:0009953)	1.76	1.63E-04

v	negative regulation of RNA metabolic process (GO:0051253)	1.76	2.50E-08
v	regulation of cellular biosynthetic process (GO:0031326)	1.76	1.25E-31
v	regulation of nitrogen compound metabolic process (GO:0051171)	1.76	7.43E-44
v	macromolecule metabolic process (GO:0043170)	1.76	7.11E-99
v	negative regulation of cellular protein metabolic process (GO:0032269)	1.76	1.11E-05
v	establishment or maintenance of cell polarity (GO:0007163)	1.76	5.28E-06
v	positive regulation of nitrogen compound metabolic process (GO:0051171)	1.75	1.66E-16
v	columnar/cuboidal epithelial cell differentiation (GO:0002065)	1.75	6.50E-09
v	negative regulation of protein metabolic process (GO:0051248)	1.75	1.57E-05
v	positive regulation of nucleobase-containing compound metabolic process (GO:0032269)	1.75	1.89E-10
v	positive regulation of macromolecule biosynthetic process (GO:0010557)	1.75	1.16E-10
v	regulation of RNA metabolic process (GO:0051252)	1.75	1.12E-27
v	protein modification process (GO:0036211)	1.74	5.94E-26
v	cellular protein modification process (GO:0006464)	1.74	5.94E-26
v	regulation of metabolic process (GO:0019222)	1.74	9.29E-51
v	regulation of synapse organization (GO:0050807)	1.74	2.25E-04
v	regulation of molecular function (GO:0065009)	1.74	2.22E-09
v	positive regulation of metabolic process (GO:0009893)	1.74	2.01E-17
v	cellular component organization (GO:0016043)	1.73	3.74E-70
v	regionalization (GO:0003002)	1.73	3.27E-11
v	regulation of cell proliferation (GO:0042127)	1.73	5.75E-06
v	regulation of primary metabolic process (GO:0080090)	1.73	1.70E-43
v	response to organic cyclic compound (GO:0014070)	1.73	7.85E-04
v	actin filament organization (GO:0007015)	1.72	1.82E-03
v	multi-organism reproductive process (GO:0044703)	1.72	4.22E-27
v	sexual reproduction (GO:0019953)	1.72	4.22E-27
v	regulation of RNA biosynthetic process (GO:2001141)	1.72	1.07E-23
v	regulation of transcription, DNA-templated (GO:0006355)	1.72	1.07E-23
v	regulation of nucleic acid-templated transcription (GO:1903506)	1.72	1.07E-23
v	reproductive process (GO:0022414)	1.72	1.20E-29
v	embryo development (GO:0009790)	1.72	2.99E-12
v	positive regulation of cellular metabolic process (GO:0031325)	1.72	7.37E-16
v	positive regulation of gene expression (GO:0010628)	1.72	2.65E-10
v	regulation of plasma membrane bounded cell projection organization (GO:0031323)	1.71	4.43E-04
v	positive regulation of RNA metabolic process (GO:0051254)	1.71	3.71E-09
v	regulation of catalytic activity (GO:0050790)	1.71	1.13E-07
v	regulation of cellular metabolic process (GO:0031323)	1.71	1.61E-42
v	negative regulation of growth (GO:0045926)	1.71	2.04E-03
v	positive regulation of hydrolase activity (GO:0051345)	1.71	2.04E-03
v	positive regulation of cellular biosynthetic process (GO:0031328)	1.71	1.63E-10
v	positive regulation of biosynthetic process (GO:0009891)	1.71	1.63E-10
v	multicellular organismal reproductive process (GO:0048609)	1.7	7.42E-26
v	negative regulation of intracellular signal transduction (GO:1902532)	1.7	5.12E-03
v	regulation of cell projection organization (GO:0031344)	1.7	6.06E-04
v	positive regulation of phosphorylation (GO:0042327)	1.7	6.06E-04
v	regulation of response to stress (GO:0080134)	1.7	3.46E-06
v	response to extracellular stimulus (GO:0009991)	1.69	4.20E-05
v	response to nutrient levels (GO:0031667)	1.69	5.16E-05
v	heterocycle catabolic process (GO:0046700)	1.69	2.78E-04
v	cellular nitrogen compound catabolic process (GO:0044270)	1.69	3.40E-04
v	epithelial cell differentiation (GO:0030855)	1.69	2.04E-09
v	cellular macromolecule catabolic process (GO:0044265)	1.69	3.08E-09

v	embryonic development via the syncytial blastoderm (GO:0001700)	1.69	1.04E-04
v	positive regulation of nervous system development (GO:0051962)	1.69	2.84E-03
v	cellular component assembly (GO:0022607)	1.69	5.67E-21
v	positive regulation of cellular process (GO:0048522)	1.69	7.40E-26
v	regulation of anatomical structure size (GO:0090066)	1.69	1.43E-05
v	regulation of nervous system development (GO:0051960)	1.69	2.15E-07
v	regulation of MAPK cascade (GO:0043408)	1.68	1.05E-03
v	cellular metabolic process (GO:0044237)	1.68	1.40E-104
v	modification-dependent macromolecule catabolic process (GO:0043632)	1.68	1.40E-06
v	embryo development ending in birth or egg hatching (GO:0009792)	1.68	9.38E-05
v	pattern specification process (GO:0007389)	1.68	7.75E-11
v	regulation of cell differentiation (GO:0045595)	1.68	6.09E-08
v	small GTPase mediated signal transduction (GO:0007264)	1.67	3.66E-03
v	aromatic compound catabolic process (GO:0019439)	1.67	3.99E-04
v	dendrite development (GO:0016358)	1.67	4.53E-05
v	regulation of cell development (GO:0060284)	1.67	1.87E-06
v	positive regulation of phosphorus metabolic process (GO:0010562)	1.67	5.63E-04
v	positive regulation of phosphate metabolic process (GO:0045937)	1.67	5.63E-04
v	eggshell formation (GO:0030703)	1.67	2.03E-03
v	secretion by cell (GO:0032940)	1.67	2.23E-04
v	chorion-containing eggshell formation (GO:0007304)	1.67	1.91E-03
v	positive regulation of biological process (GO:0048518)	1.67	2.92E-28
v	positive regulation of RNA biosynthetic process (GO:1902680)	1.66	5.55E-08
v	positive regulation of transcription, DNA-templated (GO:0045893)	1.66	5.55E-08
v	positive regulation of nucleic acid-templated transcription (GO:1903508)	1.66	5.55E-08
v	regulation of cell death (GO:0010941)	1.66	3.89E-06
v	regulation of multi-organism process (GO:0043900)	1.66	1.30E-03
v	male gamete generation (GO:0048232)	1.66	9.22E-07
v	regulation of apoptotic process (GO:0042981)	1.66	6.81E-05
v	organic cyclic compound catabolic process (GO:1901361)	1.65	4.96E-04
v	positive regulation of developmental process (GO:0051094)	1.65	2.82E-05
v	regulation of phosphate metabolic process (GO:0019220)	1.65	3.55E-06
v	regulation of phosphorus metabolic process (GO:0051174)	1.65	3.55E-06
v	regulation of neurogenesis (GO:0050767)	1.65	3.95E-05
v	response to stress (GO:0006950)	1.64	2.73E-23
v	protein modification by small protein conjugation (GO:0032446)	1.64	4.57E-05
v	ubiquitin-dependent protein catabolic process (GO:0006511)	1.64	6.05E-06
v	modification-dependent protein catabolic process (GO:0019941)	1.64	6.05E-06
v	regulation of programmed cell death (GO:0043067)	1.64	2.56E-05
v	dendrite morphogenesis (GO:0048813)	1.64	1.14E-04
v	regulation of multicellular organismal development (GO:2000026)	1.64	2.39E-10
v	regulation of transcription from RNA polymerase II promoter (GO:00063)	1.64	1.90E-11
v	regulation of Notch signaling pathway (GO:0008593)	1.63	3.83E-03
v	epithelial cell migration (GO:0010631)	1.63	5.41E-04
v	epithelium migration (GO:0090132)	1.63	5.41E-04
v	nitrogen compound metabolic process (GO:0006807)	1.63	9.79E-87
v	protein phosphorylation (GO:0006468)	1.63	1.12E-05
v	regulation of cell morphogenesis (GO:0022604)	1.63	1.14E-03
v	regulation of hydrolase activity (GO:0051336)	1.62	3.31E-04
v	regulation of developmental process (GO:0050793)	1.62	1.95E-13
v	positive regulation of multicellular organismal process (GO:0051240)	1.62	3.76E-05
v	regulation of intracellular signal transduction (GO:1902531)	1.62	9.47E-07

v	actin cytoskeleton organization (GO:0030036)	1.62	9.38E-05
v	cell migration (GO:0016477)	1.62	7.20E-06
v	tissue migration (GO:0090130)	1.62	5.38E-04
v	cell development (GO:0048468)	1.61	4.90E-27
v	negative regulation of cell death (GO:0060548)	1.61	3.82E-03
v	endocytosis (GO:0006897)	1.61	2.35E-06
v	ameboidal-type cell migration (GO:0001667)	1.61	4.88E-04
v	regulation of neuron differentiation (GO:0045664)	1.61	8.75E-04
v	vesicle-mediated transport (GO:0016192)	1.61	1.02E-10
v	negative regulation of signal transduction (GO:0009968)	1.6	1.60E-05
v	primary metabolic process (GO:0044238)	1.6	1.20E-85
v	localization of cell (GO:0051674)	1.6	2.92E-06
v	lateral inhibition (GO:0046331)	1.6	2.53E-04
v	positive regulation of intracellular signal transduction (GO:1902533)	1.59	1.04E-03
v	cell-cell signaling involved in cell fate commitment (GO:0045168)	1.59	2.64E-04
v	proteolysis involved in cellular protein catabolic process (GO:0051603)	1.59	1.34E-05
v	photoreceptor cell differentiation (GO:0046530)	1.59	1.14E-03
v	negative regulation of response to stimulus (GO:0048585)	1.58	5.25E-06
v	import into cell (GO:0098657)	1.58	3.93E-06
v	cellular protein catabolic process (GO:0044257)	1.58	1.39E-05
v	organelle assembly (GO:0070925)	1.58	2.87E-06
v	actin filament-based process (GO:0030029)	1.58	1.36E-04
v	cellular amino acid metabolic process (GO:0006520)	1.58	2.36E-03
v	spermatogenesis (GO:0007283)	1.57	6.15E-05
v	compound eye development (GO:0048749)	1.57	5.01E-06
v	organic substance transport (GO:0071702)	1.57	2.78E-10
v	anatomical structure formation involved in morphogenesis (GO:0048646)	1.57	1.05E-08
v	eye development (GO:0001654)	1.57	2.60E-06
v	protein ubiquitination (GO:0016567)	1.57	6.07E-04
v	regulation of response to stimulus (GO:0048583)	1.57	2.19E-14
v	supramolecular fiber organization (GO:0097435)	1.57	1.48E-03
v	regulation of synapse structure or activity (GO:0050803)	1.56	1.79E-03
v	regulation of defense response (GO:0031347)	1.56	4.45E-03
v	eye photoreceptor cell differentiation (GO:0001754)	1.56	2.67E-03
v	regulation of immune system process (GO:0002682)	1.56	3.14E-04
v	cell motility (GO:0048870)	1.56	1.39E-05
v	cell death (GO:0008219)	1.56	3.65E-04
v	compound eye morphogenesis (GO:0001745)	1.55	1.04E-04
v	positive regulation of response to stimulus (GO:0048584)	1.55	1.03E-06
v	multi-organism process (GO:0051704)	1.55	2.96E-22
v	cell fate determination (GO:0001709)	1.55	3.72E-03
v	positive regulation of signal transduction (GO:0009967)	1.55	2.55E-05
v	regulation of multicellular organismal process (GO:0051239)	1.55	6.91E-11
v	phagocytosis (GO:0006909)	1.54	4.23E-04
v	membrane organization (GO:0061024)	1.54	1.08E-03
v	sensory organ morphogenesis (GO:0090596)	1.54	1.09E-04
v	eye morphogenesis (GO:0048592)	1.54	1.09E-04
v	cell fate commitment (GO:0045165)	1.54	2.80E-07
v	organic substance metabolic process (GO:0071704)	1.54	1.03E-79
v	compound eye photoreceptor cell differentiation (GO:0001751)	1.53	5.02E-03
v	cell differentiation (GO:0030154)	1.53	1.16E-27
v	negative regulation of cell communication (GO:0010648)	1.53	6.26E-05

v	negative regulation of signaling (GO:0023057)	1.53	6.26E-05
v	protein metabolic process (GO:0019538)	1.53	1.15E-29
v	secretion (GO:0046903)	1.53	1.55E-03
v	cellular developmental process (GO:0048869)	1.53	8.86E-28
v	macromolecule catabolic process (GO:0009057)	1.52	5.83E-07
v	regulation of signal transduction (GO:0009966)	1.52	6.25E-10
v	regulation of biological process (GO:0050789)	1.52	3.24E-60
v	protein catabolic process (GO:0030163)	1.52	5.17E-05
v	regulation of cellular process (GO:0050794)	1.52	4.54E-53
v	animal organ development (GO:0048513)	1.51	1.58E-16
v	generation of neurons (GO:0048699)	1.51	1.37E-12
v	programmed cell death (GO:0012501)	1.51	1.34E-03
v	regulation of localization (GO:0032879)	1.51	8.32E-06
v	positive regulation of cell communication (GO:0010647)	1.51	4.39E-05
v	positive regulation of signaling (GO:0023056)	1.51	4.39E-05
v	cellular response to stimulus (GO:0051716)	1.51	2.67E-21
v	neuron differentiation (GO:0030182)	1.5	2.52E-10
v	regulation of anatomical structure morphogenesis (GO:0022603)	1.5	4.11E-04
v	sensory organ development (GO:0007423)	1.5	1.87E-06
v	epithelium development (GO:0060429)	1.5	1.47E-12
v	enzyme linked receptor protein signaling pathway (GO:0007167)	1.5	4.25E-03
v	reproduction (GO:0000003)	1.49	4.50E-18
v	neuron projection development (GO:0031175)	1.48	4.00E-07
v	protein complex subunit organization (GO:0071822)	1.48	4.30E-04
v	neurogenesis (GO:0022008)	1.48	6.90E-12
v	neuron projection morphogenesis (GO:0048812)	1.48	9.65E-07
v	neuron development (GO:0048666)	1.48	2.05E-08
v	cell projection morphogenesis (GO:0048858)	1.47	9.87E-07
v	plasma membrane bounded cell projection morphogenesis (GO:0120039)	1.47	9.87E-07
v	nervous system development (GO:0007399)	1.47	1.57E-13
v	cell part morphogenesis (GO:0032990)	1.47	9.60E-07
v	cellular process (GO:0009987)	1.47	2.00E-136
v	cell morphogenesis involved in neuron differentiation (GO:0048667)	1.47	1.36E-05
v	post-embryonic animal organ development (GO:0048569)	1.46	1.24E-05
v	immune system process (GO:0002376)	1.46	3.89E-04
v	cell morphogenesis (GO:0000902)	1.46	2.33E-07
v	system development (GO:0048731)	1.46	3.00E-20
v	cellular component morphogenesis (GO:0032989)	1.45	1.73E-08
v	multicellular organism reproduction (GO:0032504)	1.45	1.34E-14
v	muscle structure development (GO:0061061)	1.45	1.61E-03
v	biological regulation (GO:0065007)	1.45	1.32E-53
v	growth (GO:0040007)	1.45	4.35E-03
v	metabolic process (GO:0008152)	1.45	9.60E-67
v	positive regulation of transcription from RNA polymerase II promoter (GO:0009887)	1.45	1.25E-03
v	tissue development (GO:0009888)	1.44	2.73E-11
v	cell morphogenesis involved in differentiation (GO:0000904)	1.44	1.42E-05
v	central nervous system development (GO:0007417)	1.43	1.94E-03
v	anatomical structure morphogenesis (GO:0009653)	1.43	2.70E-16
v	regulation of cell communication (GO:0010646)	1.43	2.61E-08
v	regulation of signaling (GO:0023051)	1.43	2.66E-08
v	post-embryonic development (GO:0009791)	1.42	1.04E-06
v	intracellular signal transduction (GO:0035556)	1.42	3.27E-04

v	cellular catabolic process (GO:0044248)	1.42	5.22E-07
v	imaginal disc development (GO:0007444)	1.41	1.21E-05
v	wing disc development (GO:0035220)	1.41	3.28E-04
v	morphogenesis of an epithelium (GO:0002009)	1.41	1.01E-05
v	imaginal disc-derived wing morphogenesis (GO:0007476)	1.4	3.30E-03
v	anatomical structure development (GO:0048856)	1.4	6.62E-26
v	wing disc morphogenesis (GO:0007472)	1.4	3.14E-03
v	developmental process (GO:0032502)	1.4	1.33E-27
v	movement of cell or subcellular component (GO:0006928)	1.39	4.19E-06
v	tissue morphogenesis (GO:0048729)	1.39	1.56E-05
v	multicellular organism development (GO:0007275)	1.39	4.90E-21
v	animal organ morphogenesis (GO:0009887)	1.39	1.24E-06
v	chemotaxis (GO:0006935)	1.39	4.61E-03
v	post-embryonic appendage morphogenesis (GO:0035120)	1.38	2.17E-03
v	tube morphogenesis (GO:0035239)	1.38	1.31E-04
v	post-embryonic animal organ morphogenesis (GO:0048563)	1.37	1.09E-03
v	imaginal disc morphogenesis (GO:0007560)	1.37	1.09E-03
v	imaginal disc-derived appendage development (GO:0048737)	1.36	3.23E-03
v	post-embryonic animal morphogenesis (GO:0009886)	1.36	3.24E-04
v	plasma membrane bounded cell projection organization (GO:0120036)	1.36	1.35E-05
v	imaginal disc-derived appendage morphogenesis (GO:0035114)	1.36	4.19E-03
v	cell projection organization (GO:0030030)	1.36	1.23E-05
v	instar larval or pupal morphogenesis (GO:0048707)	1.35	4.58E-04
v	metamorphosis (GO:0007552)	1.35	3.16E-04
v	locomotion (GO:0040011)	1.35	7.05E-05
v	instar larval or pupal development (GO:0002165)	1.35	1.06E-04
v	appendage development (GO:0048736)	1.35	4.09E-03
v	cell surface receptor signaling pathway (GO:0007166)	1.35	1.04E-03
v	appendage morphogenesis (GO:0035107)	1.34	5.17E-03
v	tube development (GO:0035295)	1.34	2.89E-05
v	response to abiotic stimulus (GO:0009628)	1.34	1.03E-03
v	epithelial tube morphogenesis (GO:0060562)	1.34	8.56E-04
v	organonitrogen compound metabolic process (GO:1901564)	1.33	3.87E-18
v	organic substance catabolic process (GO:1901575)	1.32	7.91E-05
v	organonitrogen compound catabolic process (GO:1901565)	1.32	1.90E-03
v	localization (GO:0051179)	1.31	1.89E-12
v	cell-cell signaling (GO:0007267)	1.31	2.10E-03
v	catabolic process (GO:0009056)	1.28	2.09E-04
v	response to stimulus (GO:0050896)	1.26	4.16E-12
v	establishment of localization (GO:0051234)	1.26	8.02E-08
v	regulation of biological quality (GO:0065008)	1.26	1.99E-05
v	cell communication (GO:0007154)	1.26	1.73E-06
v	response to external stimulus (GO:0009605)	1.24	8.30E-04
v	transport (GO:0006810)	1.22	5.44E-06
v	signaling (GO:0023052)	1.2	2.76E-04
v	signal transduction (GO:0007165)	1.19	3.94E-03
v	multicellular organismal process (GO:0032501)	1.18	2.22E-09
v	biological_process (GO:0008150)	1.07	1.79E-17
v	carbohydrate derivative metabolic process (GO:1901135)	0.77	5.22E-03
v	oxidation-reduction process (GO:0055114)	0.71	3.13E-04
v	cuticle development (GO:0042335)	0.62	1.90E-03
v	nucleotide metabolic process (GO:0009117)	0.61	1.49E-03

v	nucleoside phosphate metabolic process (GO:0006753)	0.6	1.21E-03
v	nervous system process (GO:0050877)	0.58	2.05E-08
v	transmembrane transport (GO:0055085)	0.58	3.69E-07
v	system process (GO:0003008)	0.54	4.62E-11
v	ion transport (GO:0006811)	0.52	1.77E-08
v	metal ion transport (GO:0030001)	0.46	2.05E-04
v	ion transmembrane transport (GO:0034220)	0.46	2.32E-05
v	cation transport (GO:0006812)	0.44	4.56E-07
v	energy derivation by oxidation of organic compounds (GO:0015980)	0.44	1.40E-04
v	purine-containing compound metabolic process (GO:0072521)	0.43	2.08E-06
v	ribose phosphate metabolic process (GO:0019693)	0.43	6.65E-06
v	courtship behavior (GO:0007619)	0.42	7.08E-04
v	male mating behavior (GO:0060179)	0.42	1.40E-03
v	cellular respiration (GO:0045333)	0.41	2.57E-04
v	male courtship behavior (GO:0008049)	0.41	1.50E-03
v	chitin-based cuticle development (GO:0040003)	0.39	5.11E-06
v	ribonucleotide metabolic process (GO:0009259)	0.39	1.36E-06
v	purine nucleotide metabolic process (GO:0006163)	0.39	1.36E-06
v	generation of precursor metabolites and energy (GO:0006091)	0.38	2.75E-06
v	reproductive behavior (GO:0019098)	0.38	1.05E-05
v	cation transmembrane transport (GO:0098655)	0.37	8.33E-05
v	drug metabolic process (GO:0017144)	0.37	2.67E-11
v	inorganic ion transmembrane transport (GO:0098660)	0.37	3.11E-05
v	purine ribonucleotide metabolic process (GO:0009150)	0.36	4.22E-07
v	inorganic cation transmembrane transport (GO:0098662)	0.34	6.37E-05
v	nucleoside monophosphate metabolic process (GO:0009123)	0.34	3.31E-06
v	detection of stimulus (GO:0051606)	0.33	3.18E-10
v	sensory perception (GO:0007600)	0.32	3.72E-17
v	mating behavior (GO:0007617)	0.32	1.19E-06
v	mating (GO:0007618)	0.31	2.27E-07
v	G-protein coupled receptor signaling pathway (GO:0007186)	0.31	4.45E-08
v	nucleoside triphosphate metabolic process (GO:0009141)	0.29	4.04E-07
v	ribonucleoside monophosphate metabolic process (GO:0009161)	0.28	2.01E-07
v	detection of stimulus involved in sensory perception (GO:0050906)	0.26	6.38E-08
v	respiratory electron transport chain (GO:0022904)	0.26	5.72E-05
v	electron transport chain (GO:0022900)	0.25	2.72E-05
v	purine nucleoside triphosphate metabolic process (GO:0009144)	0.25	8.33E-08
v	aminoglycan metabolic process (GO:0006022)	0.25	8.33E-08
v	purine ribonucleoside monophosphate metabolic process (GO:0009167)	0.25	5.80E-08
v	purine nucleoside monophosphate metabolic process (GO:0009126)	0.25	5.80E-08
v	neuropeptide signaling pathway (GO:0007218)	0.23	8.13E-04
v	purine ribonucleoside triphosphate metabolic process (GO:0009205)	0.23	3.51E-08
v	ribonucleoside triphosphate metabolic process (GO:0009199)	0.23	2.41E-08
v	amino sugar metabolic process (GO:0006040)	0.2	5.52E-08
v	female mating behavior (GO:0060180)	0.17	2.83E-03
v	potassium ion transport (GO:0006813)	0.16	1.89E-03
v	glucosamine-containing compound metabolic process (GO:1901071)	0.16	4.45E-09
v	ATP metabolic process (GO:0046034)	0.14	3.85E-10
v	monovalent inorganic cation transport (GO:0015672)	0.14	7.55E-11
v	sensory perception of taste (GO:0050909)	0.14	5.44E-06
v	mitochondrial ATP synthesis coupled electron transport (GO:0042775)	0.13	3.69E-06
v	sodium ion transport (GO:0006814)	0.13	1.63E-04

v	ATP synthesis coupled electron transport (GO:0042773)	0.12	1.64E-06
v	oxidative phosphorylation (GO:0006119)	0.12	7.25E-07
v	cyclic nucleotide metabolic process (GO:0009187)	0.11	4.97E-03
v	sensory perception of smell (GO:0007608)	0.11	5.93E-10
v	proton transport (GO:0015992)	0.1	8.22E-06
v	hydrogen transport (GO:0006818)	0.1	8.35E-06
v	regulation of female receptivity (GO:0045924)	0.1	3.40E-03
v	sensory perception of chemical stimulus (GO:0007606)	0.1	7.55E-21
v	ATP hydrolysis coupled proton transport (GO:0015991)	0.09	1.37E-03
v	ATP hydrolysis coupled transmembrane transport (GO:0090662)	0.09	1.37E-03
v	ATP hydrolysis coupled cation transmembrane transport (GO:0099132)	0.09	1.37E-03
v	ATP hydrolysis coupled ion transmembrane transport (GO:0099131)	0.09	1.37E-03
v	energy coupled proton transmembrane transport, against electrochemic	0.09	1.47E-03
v	response to carbon dioxide (GO:0010037)	0.08	5.78E-04
v	chitin metabolic process (GO:0006030)	0.08	8.60E-11
v	sensory perception of bitter taste (GO:0050913)	0.08	3.69E-04
v	hydrogen ion transmembrane transport (GO:1902600)	0.06	4.46E-06
v	detection of chemical stimulus (GO:0009593)	0.02	4.44E-17
v	ATP biosynthetic process (GO:0006754)	< 0.01	1.16E-03
v	ATP synthesis coupled proton transport (GO:0015986)	< 0.01	1.15E-03
v	energy coupled proton transport, down electrochemical gradient (GO:0C	< 0.01	1.15E-03
v	sperm competition (GO:0046692)	< 0.01	4.97E-03
v	mitochondrial electron transport, NADH to ubiquinone (GO:0006120)	< 0.01	1.90E-04
v	detection of chemical stimulus involved in sensory perception of taste (G	< 0.01	4.65E-03
v	detection of chemical stimulus involved in sensory perception of smell (C	< 0.01	4.38E-08
v	detection of chemical stimulus involved in sensory perception (GO:0050	< 0.01	1.61E-11
vi	mitochondrial respiratory chain complex I assembly (GO:0032981)	10.9	3.32E-04
vi	mitochondrial respiratory chain complex I biogenesis (GO:0097031)	10.9	3.32E-04
vi	NADH dehydrogenase complex assembly (GO:0010257)	10.9	3.32E-04
vi	positive regulation of mitochondrion organization (GO:0010822)	9.91	4.66E-04
vi	mitochondrial respiratory chain complex IV assembly (GO:0033617)	9.91	4.66E-04
vi	mitochondrial respiratory chain complex IV biogenesis (GO:0097034)	8.18	2.84E-04
vi	mitochondrial RNA metabolic process (GO:0000959)	7.27	4.75E-04
vi	mitochondrion disassembly (GO:0061726)	6.94	2.02E-04
vi	autophagy of mitochondrion (GO:0000422)	6.94	2.02E-04
vi	vacuolar acidification (GO:0007035)	6.88	6.02E-04
vi	intracellular pH reduction (GO:0051452)	6.64	2.54E-04
vi	pH reduction (GO:0045851)	6.64	2.54E-04
vi	retrograde vesicle-mediated transport, Golgi to ER (GO:0006890)	6.54	7.54E-04
vi	ATP hydrolysis coupled proton transport (GO:0015991)	6.48	5.43E-06
vi	ATP hydrolysis coupled transmembrane transport (GO:0090662)	6.48	5.43E-06
vi	ATP hydrolysis coupled cation transmembrane transport (GO:0099132)	6.48	5.43E-06
vi	ATP hydrolysis coupled ion transmembrane transport (GO:0099131)	6.48	5.43E-06
vi	energy coupled proton transmembrane transport, against electrochemic	6.31	6.73E-06
vi	protein targeting to membrane (GO:0006612)	6.23	9.34E-04
vi	mitochondrial respiratory chain complex assembly (GO:0033108)	6.13	5.63E-05
vi	mitochondrial gene expression (GO:0140053)	5.87	2.54E-12
vi	autophagosome assembly (GO:0000045)	5.65	5.77E-04
vi	mitochondrial translation (GO:0032543)	5.57	2.38E-10
vi	organelle disassembly (GO:1903008)	5.45	6.94E-04
vi	autophagosome organization (GO:1905037)	5.26	8.29E-04
vi	RNA methylation (GO:0001510)	5.16	1.73E-04

vi	vacuole organization (GO:0007033)	5.13	1.56E-05
vi	regulation of intracellular pH (GO:0051453)	4.47	9.04E-04
vi	macroautophagy (GO:0016236)	4.36	1.26E-04
vi	regulation of pH (GO:0006885)	4.36	1.04E-03
vi	regulation of cellular pH (GO:0030641)	4.36	1.04E-03
vi	monovalent inorganic cation homeostasis (GO:0055067)	4.36	1.04E-03
vi	cellular monovalent inorganic cation homeostasis (GO:0030004)	4.36	1.04E-03
vi	hydrogen ion transmembrane transport (GO:1902600)	4.29	7.20E-05
vi	establishment of protein localization to membrane (GO:0090150)	4.27	5.91E-04
vi	process utilizing autophagic mechanism (GO:0061919)	4.16	3.38E-06
vi	autophagy (GO:0006914)	4.16	3.38E-06
vi	proton transport (GO:0015992)	3.9	1.58E-04
vi	mitochondrion organization (GO:0007005)	3.89	4.28E-10
vi	hydrogen transport (GO:0006818)	3.85	1.78E-04
vi	protein ubiquitination involved in ubiquitin-dependent protein catabolic	3.83	1.01E-04
vi	protein targeting (GO:0006605)	3.44	8.90E-05
vi	cellular cation homeostasis (GO:0030003)	3.31	4.80E-05
vi	cellular ion homeostasis (GO:0006873)	3.11	9.40E-05
vi	cation homeostasis (GO:0055080)	3.11	3.71E-05
vi	ion homeostasis (GO:0050801)	3.07	2.80E-05
vi	inorganic ion homeostasis (GO:0098771)	3.02	5.32E-05
vi	cation transmembrane transport (GO:0098655)	3	9.25E-05
vi	cellular chemical homeostasis (GO:0055082)	2.94	1.75E-04
vi	cellular response to nutrient levels (GO:0031669)	2.89	4.84E-04
vi	inorganic cation transmembrane transport (GO:0098662)	2.86	3.59E-04
vi	cellular response to extracellular stimulus (GO:0031668)	2.84	5.71E-04
vi	methylation (GO:0032259)	2.8	9.86E-04
vi	Golgi vesicle transport (GO:0048193)	2.8	6.71E-04
vi	cellular response to external stimulus (GO:0071496)	2.7	9.17E-04
vi	cellular protein complex assembly (GO:0043623)	2.7	4.64E-05
vi	regulation of cellular catabolic process (GO:0031329)	2.63	3.90E-04
vi	cellular homeostasis (GO:0019725)	2.63	1.58E-05
vi	regulation of catabolic process (GO:0009894)	2.6	2.26E-04
vi	inorganic ion transmembrane transport (GO:0098660)	2.59	6.62E-04
vi	response to nutrient levels (GO:0031667)	2.51	2.38E-04
vi	response to extracellular stimulus (GO:0009991)	2.49	2.57E-04
vi	protein complex biogenesis (GO:0070271)	2.46	6.98E-05
vi	protein complex assembly (GO:0006461)	2.42	1.19E-04
vi	response to starvation (GO:0042594)	2.38	1.01E-03
vi	translation (GO:0006412)	2.36	2.46E-05
vi	intracellular protein transport (GO:0006886)	2.35	1.43E-05
vi	peptide biosynthetic process (GO:0043043)	2.33	3.01E-05
vi	protein complex subunit organization (GO:0071822)	2.32	7.87E-05
vi	chemical homeostasis (GO:0048878)	2.26	9.41E-04
vi	programmed cell death (GO:0012501)	2.26	9.41E-04
vi	establishment of protein localization (GO:0045184)	2.25	4.42E-06
vi	amide transport (GO:0042886)	2.25	6.12E-06
vi	protein transport (GO:0015031)	2.23	9.23E-06
vi	cellular protein localization (GO:0034613)	2.23	1.65E-06
vi	amide biosynthetic process (GO:0043604)	2.22	7.93E-05
vi	cell death (GO:0008219)	2.21	1.09E-03
vi	peptide transport (GO:0015833)	2.21	1.66E-05

vi	regulation of programmed cell death (GO:0043067)	2.15	1.03E-03
vi	intracellular transport (GO:0046907)	2.1	1.78E-07
vi	vesicle-mediated transport (GO:0016192)	2.09	6.16E-07
vi	cellular macromolecule localization (GO:0070727)	2.07	6.15E-06
vi	nitrogen compound transport (GO:0071705)	2.06	6.55E-06
vi	negative regulation of signal transduction (GO:0009968)	2.05	9.53E-04
vi	peptide metabolic process (GO:0006518)	2.04	1.36E-04
vi	establishment of localization in cell (GO:0051649)	2.04	1.73E-07
vi	protein localization (GO:0008104)	2.03	3.46E-06
vi	homeostatic process (GO:0042592)	2.01	1.07E-04
vi	macromolecule localization (GO:0033036)	2.01	3.23E-07
vi	organonitrogen compound biosynthetic process (GO:1901566)	2	2.74E-07
vi	regulation of catalytic activity (GO:0050790)	1.98	1.10E-03
vi	cellular localization (GO:0051641)	1.97	4.10E-08
vi	cellular catabolic process (GO:0044248)	1.9	3.26E-06
vi	cellular amide metabolic process (GO:0043603)	1.9	4.37E-04
vi	epithelial tube morphogenesis (GO:0060562)	1.88	3.30E-04
vi	organic substance transport (GO:0071702)	1.87	3.07E-05
vi	cellular nitrogen compound biosynthetic process (GO:0044271)	1.81	2.32E-05
vi	instar larval or pupal morphogenesis (GO:0048707)	1.81	6.52E-04
vi	tube morphogenesis (GO:0035239)	1.8	5.26E-04
vi	post-embryonic animal morphogenesis (GO:0009886)	1.8	5.37E-04
vi	macromolecule catabolic process (GO:0009057)	1.8	8.57E-04
vi	regulation of cellular protein metabolic process (GO:0032268)	1.79	3.76E-04
vi	regulation of signal transduction (GO:0009966)	1.79	4.24E-05
vi	metamorphosis (GO:0007552)	1.76	8.98E-04
vi	catabolic process (GO:0009056)	1.75	2.04E-05
vi	regulation of signaling (GO:0023051)	1.75	2.04E-05
vi	developmental process involved in reproduction (GO:0003006)	1.75	1.42E-05
vi	instar larval or pupal development (GO:0002165)	1.74	4.68E-04
vi	regulation of response to stimulus (GO:0048583)	1.74	1.15E-05
vi	post-embryonic development (GO:0009791)	1.73	2.22E-04
vi	regulation of cell communication (GO:0010646)	1.73	4.08E-05
vi	germ cell development (GO:0007281)	1.72	9.94E-05
vi	transport (GO:0006810)	1.71	7.64E-10
vi	positive regulation of metabolic process (GO:0009893)	1.71	1.92E-04
vi	regulation of protein metabolic process (GO:0051246)	1.7	8.78E-04
vi	morphogenesis of an epithelium (GO:0002009)	1.7	9.66E-04
vi	cellular macromolecule biosynthetic process (GO:0034645)	1.69	1.57E-04
vi	tissue morphogenesis (GO:0048729)	1.69	8.09E-04
vi	establishment of localization (GO:0051234)	1.69	1.71E-09
vi	cellular process involved in reproduction in multicellular organism (GO:0	1.68	4.48E-05
vi	positive regulation of cellular metabolic process (GO:0031325)	1.67	5.39E-04
vi	oogenesis (GO:0048477)	1.67	7.66E-04
vi	macromolecule biosynthetic process (GO:0009059)	1.67	1.91E-04
vi	localization (GO:0051179)	1.66	5.23E-11
vi	positive regulation of macromolecule metabolic process (GO:0010604)	1.66	8.92E-04
vi	positive regulation of biological process (GO:0048518)	1.65	1.32E-06
vi	female gamete generation (GO:0007292)	1.64	6.93E-04
vi	gamete generation (GO:0007276)	1.64	7.78E-05
vi	cellular protein metabolic process (GO:0044267)	1.64	2.82E-07
vi	cellular biosynthetic process (GO:0044249)	1.63	8.83E-06

vi	biosynthetic process (GO:0009058)	1.63	4.42E-06
vi	macromolecule modification (GO:0043412)	1.63	2.54E-05
vi	positive regulation of cellular process (GO:0048522)	1.62	1.46E-05
vi	regulation of biological quality (GO:0065008)	1.62	1.06E-05
vi	organic substance biosynthetic process (GO:1901576)	1.59	1.72E-05
vi	epithelium development (GO:0060429)	1.56	3.18E-04
vi	protein modification process (GO:0036211)	1.53	5.71E-04
vi	cellular protein modification process (GO:0006464)	1.53	5.71E-04
vi	tissue development (GO:0009888)	1.53	5.09E-04
vi	organelle organization (GO:0006996)	1.52	1.30E-05
vi	cellular macromolecule metabolic process (GO:0044260)	1.46	4.71E-07
vi	protein metabolic process (GO:0019538)	1.45	1.08E-05
vi	reproductive process (GO:0022414)	1.45	9.27E-04
vi	cellular metabolic process (GO:0044237)	1.44	1.99E-10
vi	cell development (GO:0048468)	1.43	5.29E-04
vi	organonitrogen compound metabolic process (GO:1901564)	1.42	1.22E-06
vi	cellular component organization (GO:0016043)	1.42	3.34E-06
vi	regulation of cellular metabolic process (GO:0031323)	1.4	3.52E-04
vi	system development (GO:0048731)	1.39	3.27E-04
vi	cellular component organization or biogenesis (GO:0071840)	1.39	6.72E-06
vi	cellular developmental process (GO:0048869)	1.37	3.79E-04
vi	regulation of metabolic process (GO:0019222)	1.37	4.56E-04
vi	cellular nitrogen compound metabolic process (GO:0034641)	1.36	9.79E-04
vi	primary metabolic process (GO:0044238)	1.34	3.86E-07
vi	anatomical structure development (GO:0048856)	1.34	5.25E-05
vi	metabolic process (GO:0008152)	1.34	5.15E-09
vi	cellular process (GO:0009987)	1.34	6.25E-15
vi	nitrogen compound metabolic process (GO:0006807)	1.33	1.73E-06
vi	biological regulation (GO:0065007)	1.33	3.57E-07
vi	developmental process (GO:0032502)	1.33	4.08E-05
vi	multicellular organism development (GO:0007275)	1.33	3.59E-04
vi	organic substance metabolic process (GO:0071704)	1.32	2.43E-07
vi	macromolecule metabolic process (GO:0043170)	1.31	7.20E-05
vi	regulation of biological process (GO:0050789)	1.3	2.27E-05
vi	regulation of cellular process (GO:0050794)	1.26	4.65E-04
vi	biological_process (GO:0008150)	1.08	1.98E-05