

## OVEREXP FLX07

term	tot	exp	obs	pValue	description	annotation
GO:0007155	191	55	70	1.12E-002	cell adhesion	GO_BP
GO:0001701	118	34	48	3.69E-003	in utero embryonic development	GO_BP
GO:0007268	58	17	25	1.42E-002	synaptic transmission	GO_BP
GO:0006814	63	18	25	4.19E-002	sodium ion transport	GO_BP
GO:0009612	47	14	23	2.80E-003	response to mechanical stimulus	GO_BP
GO:0030182	54	16	22	4.05E-002	neuron differentiation	GO_BP
GO:0007409	39	11	19	6.77E-003	axonogenesis	GO_BP
GO:0051591	43	12	19	2.29E-002	response to cAMP	GO_BP
GO:0051726	37	11	18	8.46E-003	regulation of cell cycle	GO_BP
GO:0009887	36	10	16	3.33E-002	organ morphogenesis	GO_BP
GO:0000082	21	6	12	6.19E-003	G1/S transition of mitotic cell cycle	GO_BP
GO:0046686	21	6	11	1.97E-002	response to cadmium ion	GO_BP
GO:0035094	22	6	11	2.93E-002	response to nicotine	GO_BP
GO:0030183	19	5	10	2.49E-002	B cell differentiation	GO_BP
GO:0033344	11	3	9	4.16E-004	cholesterol efflux	GO_BP
GO:0051897	16	5	9	1.99E-002	positive regulation of protein kinase B signaling cascade	GO_BP
GO:0048706	17	5	9	3.16E-002	embryonic skeletal system development	GO_BP
GO:0021983	17	5	9	3.16E-002	pituitary gland development	GO_BP
GO:0006914	18	5	9	4.73E-002	autophagy	GO_BP
GO:0045768	18	5	9	4.73E-002	positive regulation of anti-apoptosis	GO_BP
GO:0019432	18	5	9	4.73E-002	triglyceride biosynthetic process	GO_BP
GO:0048168	13	4	8	1.43E-002	regulation of neuronal synaptic plasticity	GO_BP
GO:0030301	15	4	8	4.02E-002	cholesterol transport	GO_BP
GO:0030539	9	3	7	3.35E-003	male genitalia development	GO_BP
GO:0035050	12	3	7	3.14E-002	embryonic heart tube development	GO_BP
GO:0019915	12	3	7	3.14E-002	lipid storage	GO_BP
GO:0030217	12	3	7	3.14E-002	T cell differentiation	GO_BP
GO:0045879	7	2	6	3.04E-003	negative regulation of smoothed signaling pathway	GO_BP
GO:0035162	8	2	6	9.18E-003	embryonic hemopoiesis	GO_BP
GO:0051607	10	3	6	3.95E-002	defense response to virus	GO_BP

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GO:0006702	5	1	5	2.00E-003	androgen biosynthetic process	GO_BP
GO:0006940	5	1	5	2.00E-003	regulation of smooth muscle contraction	GO_BP
GO:0048854	7	2	5	2.43E-002	brain morphogenesis	GO_BP
GO:0071392	7	2	5	2.43E-002	cellular response to estradiol stimulus	GO_BP
GO:0019538	7	2	5	2.43E-002	protein metabolic process	GO_BP
GO:0060740	7	2	5	2.43E-002	prostate gland epithelium morphogenesis	GO_BP
GO:0048813	8	2	5	4.96E-002	dendrite morphogenesis	GO_BP
GO:0042177	8	2	5	4.96E-002	negative regulation of protein catabolic process	GO_BP
GO:0042310	8	2	5	4.96E-002	vasoconstriction	GO_BP
GO:0000090	4	1	4	6.94E-003	mitotic anaphase	GO_BP
GO:0002092	4	1	4	6.94E-003	positive regulation of receptor internalization	GO_BP
GO:0042921	5	1	4	2.67E-002	glucocorticoid receptor signaling pathway	GO_BP
GO:0007196	5	1	4	2.67E-002	inhibition of adenylate cyclase activity by metabotropic glutamate receptor signaling pathway	GO_BP
GO:0010886	5	1	4	2.67E-002	positive regulation of cholesterol storage	GO_BP
GO:0060527	5	1	4	2.67E-002	prostate epithelial cord arborization involved in prostate glandular acinus morphogenesis	GO_BP
GO:0043666	5	1	4	2.67E-002	regulation of phosphoprotein phosphatase activity	GO_BP
GO:0030431	5	1	4	2.67E-002	sleep	GO_BP
GO:0014824	3	1	3	2.41E-002	artery smooth muscle contraction	GO_BP
GO:0007589	3	1	3	2.41E-002	body fluid secretion	GO_BP
GO:0000904	3	1	3	2.41E-002	cell morphogenesis involved in differentiation	GO_BP
GO:0048870	3	1	3	2.41E-002	cell motility	GO_BP
GO:0050650	3	1	3	2.41E-002	chondroitin sulfate proteoglycan biosynthetic process	GO_BP
GO:0033962	3	1	3	2.41E-002	cytoplasmic mRNA processing body assembly	GO_BP
GO:0001821	3	1	3	2.41E-002	histamine secretion	GO_BP
GO:0048312	3	1	3	2.41E-002	intracellular distribution of mitochondria	GO_BP
GO:0032717	3	1	3	2.41E-002	negative regulation of interleukin-8 production	GO_BP
GO:0010642	3	1	3	2.41E-002	negative regulation of platelet-derived growth factor receptor signaling pathway	GO_BP
GO:0034392	3	1	3	2.41E-002	negative regulation of smooth muscle cell apoptosis	GO_BP
GO:0008634	3	1	3	2.41E-002	negative regulation of survival gene product expression	GO_BP
GO:0006857	3	1	3	2.41E-002	oligopeptide transport	GO_BP
GO:0043084	3	1	3	2.41E-002	penile erection	GO_BP

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GO:0090197	3	1	3	2.41E-002	positive regulation of chemokine secretion	GO_BP
GO:0033601	3	1	3	2.41E-002	positive regulation of mammary gland epithelial cell proliferation	GO_BP
GO:0051000	3	1	3	2.41E-002	positive regulation of nitric-oxide synthase activity	GO_BP
GO:0031110	3	1	3	2.41E-002	regulation of microtubule polymerization or depolymerization	GO_BP
GO:0045069	3	1	3	2.41E-002	regulation of viral genome replication	GO_BP
GO:0051414	3	1	3	2.41E-002	response to cortisol stimulus	GO_BP
GO:0043179	3	1	3	2.41E-002	rhythmic excitation	GO_BP
GO:0014037	3	1	3	2.41E-002	Schwann cell differentiation	GO_BP
GO:0015918	3	1	3	2.41E-002	sterol transport	GO_BP
GO:0042723	3	1	3	2.41E-002	thiamine-containing compound metabolic process	GO_BP