

For details about this table, please refer to the Methods document it accompanies.

GO Term	Description	Assembly
GO:0000050	urea cycle	automatic
GO:0000084	mitotic S phase	automatic
GO:0000165	MAPK cascade	manual
GO:0000185	activation of MAPKKK activity	manual
GO:0000186	activation of MAPKK activity	manual
GO:0000187	activation of MAPK activity	manual
GO:0000188	inactivation of MAPK activity	manual
GO:0001544	initiation of primordial ovarian follicle growth	automatic
GO:0001780	neutrophil homeostasis	manual
GO:0001781	neutrophil apoptotic process	manual
GO:0001805	positive regulation of type III hypersensitivity	automatic
GO:0001811	negative regulation of type I hypersensitivity	automatic
GO:0001812	positive regulation of type I hypersensitivity	automatic
GO:0001816	cytokine production	manual
GO:0001906	cell killing	manual
GO:0001922	B-1 B cell homeostasis	automatic
GO:0001937	negative regulation of endothelial cell proliferation	automatic
GO:0001938	positive regulation of endothelial cell proliferation	automatic
GO:0002031	G-protein coupled receptor internalization	automatic
GO:0002052	positive regulation of neuroblast proliferation	automatic
GO:0002076	osteoblast development	automatic
GO:0002092	positive regulation of receptor internalization	automatic
GO:0002159	desmosome assembly	automatic
GO:0002227	innate immune response in mucosa	both
GO:0002230	positive regulation of defense response to virus by host	both
GO:0002248	connective tissue replacement involved in inflammatory response wound healing	automatic
GO:0002250	adaptive immune response	manual
GO:0002252	immune effector process	manual
GO:0002253	activation of immune response	manual
GO:0002282	microglial cell activation involved in immune response	automatic

GO:0002296	T-helper 1 cell lineage commitment	automatic
GO:0002302	CD8-positive, alpha-beta T cell differentiation involved in immune response	automatic
GO:0002315	marginal zone B cell differentiation	automatic
GO:0002316	follicular B cell differentiation	automatic
GO:0002322	B cell proliferation involved in immune response	automatic
GO:0002376	immune system process	manual
GO:0002384	hepatic immune response	automatic
GO:0002385	mucosal immune response	manual
GO:0002434	immune complex clearance	manual
GO:0002446	neutrophil mediated immunity	manual
GO:0002520	immune system development	manual
GO:0002532	production of molecular mediator involved in inflammatory response	manual
GO:0002536	respiratory burst involved in inflammatory response	manual
GO:0002537	nitric oxide production involved in inflammatory response	automatic
GO:0002553	histamine secretion by mast cell	automatic
GO:0002554	serotonin secretion by platelet	automatic
GO:0002575	basophil chemotaxis	automatic
GO:0002632	negative regulation of granuloma formation	automatic
GO:0002651	positive regulation of tolerance induction to self antigen	automatic
GO:0002679	respiratory burst involved in defense response	manual
GO:0002683	negative regulation of immune system process	manual
GO:0002684	positive regulation of immune system process	manual
GO:0002729	positive regulation of natural killer cell cytokine production	automatic
GO:0002740	negative regulation of cytokine secretion involved in immune response	both
GO:0002752	cell surface pattern recognition receptor signaling pathway	automatic
GO:0002774	Fc receptor mediated inhibitory signaling pathway	automatic
GO:0002818	intracellular defense response	manual
GO:0002827	positive regulation of T-helper 1 type immune response	manual
GO:0002860	positive regulation of natural killer cell mediated cytotoxicity directed against tumor cell target	both
GO:0002875	negative regulation of chronic inflammatory response to antigenic stimulus	automatic
GO:0002876	positive regulation of chronic inflammatory response to antigenic stimulus	automatic
GO:0002906	negative regulation of mature B cell apoptotic process	automatic
GO:0002924	negative regulation of humoral immune response mediated by circulating immunoglobulin	manual

GO:0002931	response to ischemia	automatic
GO:0003056	regulation of vascular smooth muscle contraction	automatic
GO:0003100	regulation of systemic arterial blood pressure by endothelin	automatic
GO:0003104	positive regulation of glomerular filtration	automatic
GO:0003106	negative regulation of glomerular filtration by angiotensin	automatic
GO:0003148	outflow tract septum morphogenesis	automatic
GO:0003149	membranous septum morphogenesis	automatic
GO:0003169	coronary vein morphogenesis	automatic
GO:0003190	atrioventricular valve formation	automatic
GO:0003198	epithelial to mesenchymal transition involved in endocardial cushion formation	automatic
GO:0003251	positive regulation of cell proliferation involved in heart valve morphogenesis	automatic
GO:0003257	positive regulation of transcription from RNA polymerase II promoter involved in myocardial precursor cell differentiation	automatic
GO:0004896	cytokine receptor activity	manual
GO:0004950	chemokine receptor activity	manual
GO:0005125	cytokine activity	manual
GO:0005126	cytokine receptor binding	manual
GO:0006335	DNA replication-dependent nucleosome assembly	automatic
GO:0006407	rRNA export from nucleus	automatic
GO:0006607	NLS-bearing protein import into nucleus	automatic
GO:0006654	phosphatidic acid biosynthetic process	automatic
GO:0006742	NADP catabolic process	automatic
GO:0006788	heme oxidation	automatic
GO:0006909	phagocytosis	manual
GO:0006910	phagocytosis , recognition	manual
GO:0006911	phagocytosis , engulfment	manual
GO:0006927	transformed cell apoptotic process	automatic
GO:0006952	defense response	manual
GO:0006954	inflammatory response	manual
GO:0006955	immune response	manual
GO:0006959	humoral immune response	manual
GO:0006965	positive regulation of biosynthetic process of antibacterial peptides active against Gram-positive bacteria	automatic
GO:0006968	cellular defense response	manual
GO:0006975	DNA damage induced protein phosphorylation	automatic

GO:0006977	DNA damage response, signal transduction by p53 class mediator resulting in cell cycle arrest	automatic
GO:0007089	traversing start control point of mitotic cell cycle	automatic
GO:0007092	activation of mitotic anaphase-promoting complex activity	automatic
GO:0007166	cell surface receptor signaling pathway	manual
GO:0007171	activation of transmembrane receptor protein tyrosine kinase activity	automatic
GO:0007175	negative regulation of epidermal growth factor-activated receptor activity	automatic
GO:0007182	common-partner SMAD protein phosphorylation	automatic
GO:0007205	protein kinase C-activating G-protein coupled receptor signaling pathway	automatic
GO:0007218	neuropeptide signaling pathway	automatic
GO:0007250	activation of NF-kappaB-inducing kinase activity	both
GO:0007252	I-kappaB phosphorylation	both
GO:0007256	activation of JNKK activity	automatic
GO:0007257	activation of JUN kinase activity	both
GO:0007258	JUN phosphorylation	both
GO:0007352	zygotic specification of dorsal/ventral axis	automatic
GO:0007616	long-term memory	automatic
GO:0008009	chemokine activity	manual
GO:0008019	macrophage receptor activity	manual
GO:0008063	Toll signaling pathway	manual
GO:0008130	neutrophil collagenase activity	manual
GO:0008343	adult feeding behavior	automatic
GO:0008542	visual learning	automatic
GO:0009405	pathogenesis	manual
GO:0009597	detection of virus	automatic
GO:0009615	response to virus	manual
GO:0009619	resistance to pathogenic bacteria	manual
GO:0009631	cold acclimation	automatic
GO:0010535	positive regulation of activation of JAK2 kinase activity	both
GO:0010575	positive regulation vascular endothelial growth factor production	automatic
GO:0010592	positive regulation of lamellipodium assembly	automatic
GO:0010666	positive regulation of cardiac muscle cell apoptotic process	automatic
GO:0010667	negative regulation of cardiac muscle cell apoptotic process	automatic
GO:0010693	negative regulation of alkaline phosphatase activity	automatic

GO:0010694	positive regulation of alkaline phosphatase activity	automatic
GO:0010724	regulation of definitive erythrocyte differentiation	automatic
GO:0010730	negative regulation of hydrogen peroxide biosynthetic process	automatic
GO:0010735	positive regulation of transcription via serum response element binding	automatic
GO:0010739	positive regulation of protein kinase A signaling	automatic
GO:0010744	positive regulation of macrophage derived foam cell differentiation	automatic
GO:0010745	negative regulation of macrophage derived foam cell differentiation	automatic
GO:0010748	negative regulation of plasma membrane long-chain fatty acid transport	automatic
GO:0010758	regulation of macrophage chemotaxis	manual
GO:0010759	positive regulation of macrophage chemotaxis	both
GO:0010760	negative regulation of macrophage chemotaxis	automatic
GO:0010763	positive regulation of fibroblast migration	automatic
GO:0010800	positive regulation of peptidyl-threonine phosphorylation	automatic
GO:0010801	negative regulation of peptidyl-threonine phosphorylation	automatic
GO:0010820	positive regulation of T cell chemotaxis	automatic
GO:0010862	positive regulation of pathway-restricted SMAD protein phosphorylation	both
GO:0010875	positive regulation of cholesterol efflux	automatic
GO:0010887	negative regulation of cholesterol storage	automatic
GO:0010891	negative regulation of sequestering of triglyceride	automatic
GO:0010918	positive regulation of mitochondrial membrane potential	automatic
GO:0010931	macrophage tolerance induction	manual
GO:0010933	positive regulation of macrophage tolerance induction	automatic
GO:0010934	macrophage cytokine production	manual
GO:0010936	negative regulation of macrophage cytokine production	both
GO:0010944	negative regulation of transcription by competitive promoter binding	automatic
GO:0010956	negative regulation of calcidiol 1-monooxygenase activity	automatic
GO:0010991	negative regulation of SMAD protein complex assembly	automatic
GO:0014040	positive regulation of Schwann cell differentiation	automatic
GO:0014043	negative regulation of neuron maturation	automatic
GO:0014067	negative regulation of phosphatidylinositol 3-kinase signaling	automatic
GO:0014068	positive regulation of phosphatidylinositol 3-kinase signaling	both
GO:0014740	negative regulation of muscle hyperplasia	automatic
GO:0014806	smooth muscle hyperplasia	automatic

GO:0014895	smooth muscle hypertrophy	automatic
GO:0016493	C-C chemokine receptor activity	manual
GO:0018401	peptidyl-proline hydroxylation to 4-hydroxy-L-proline	automatic
GO:0019886	antigen processing and presentation of exogenous peptide antigen via MHC class II	both
GO:0019896	axon transport of mitochondrion	automatic
GO:0019955	cytokine binding	manual
GO:0019956	chemokine binding	manual
GO:0019957	C-C chemokine binding	manual
GO:0019958	C-X-C chemokine binding	manual
GO:0019959	interleukin-8 binding	manual
GO:0019960	C-X3-C chemokine binding	manual
GO:0019961	interferon binding	manual
GO:0019962	type I interferon binding	manual
GO:0019964	interferon-gamma binding	manual
GO:0019966	interleukin-1 binding	manual
GO:0019969	interleukin-10 binding	manual
GO:0019972	interleukin-12 binding	manual
GO:0019981	interleukin-6 binding	manual
GO:0021502	neural fold elevation formation	automatic
GO:0021542	dentate gyrus development	automatic
GO:0021762	substantia nigra development	automatic
GO:0021837	motogenic signaling involved in postnatal olfactory bulb interneuron migration	automatic
GO:0021847	ventricular zone neuroblast division	automatic
GO:0021942	radial glia guided migration of Purkinje cell	automatic
GO:0023019	signal transduction involved in regulation of gene expression	manual
GO:0023051	regulation of signaling	manual
GO:0030038	contractile actin filament bundle assembly	automatic
GO:0030199	collagen fibril organization	automatic
GO:0030214	hyaluronan catabolic process	automatic
GO:0030220	platelet formation	automatic
GO:0030223	neutrophil differentiation	manual
GO:0030225	macrophage differentiation	manual
GO:0030511	positive regulation of transforming growth factor beta receptor signaling pathway	automatic

GO:0030578	PML body organization	automatic
GO:0030579	ubiquitin-dependent SMAD protein catabolic process	automatic
GO:0030593	neutrophil chemotaxis	manual
GO:0030644	cellular chloride ion homeostasis	automatic
GO:0030670	phagocytic vesicle membrane	manual
GO:0030821	negative regulation of cAMP catabolic process	automatic
GO:0030878	thyroid gland development	automatic
GO:0030886	negative regulation of myeloid dendritic cell activation	automatic
GO:0030889	negative regulation of B cell proliferation	both
GO:0030890	positive regulation of B cell proliferation	both
GO:0030949	positive regulation of vascular endothelial growth factor receptor signaling pathway	automatic
GO:0031069	hair follicle morphogenesis	automatic
GO:0031284	positive regulation of guanylate cyclase activity	automatic
GO:0031296	B cell costimulation	automatic
GO:0031347	regulation of defense response	manual
GO:0031536	positive regulation of exit from mitosis	automatic
GO:0031584	activation of phospholipase D activity	automatic
GO:0031642	negative regulation of myelination	automatic
GO:0031648	protein destabilization	automatic
GO:0031658	negative regulation of cyclin-dependent protein serine/threonine kinase activity involved in G1/S transition of mitotic cell cycle	automatic
GO:0031659	positive regulation of cyclin-dependent protein serine/threonine kinase activity involved in G1/S transition of mitotic cell cycle	automatic
GO:0031666	positive regulation of lipopolysaccharide-mediated signaling pathway	both
GO:0031726	CCR1 chemokine receptor binding	manual
GO:0031727	CCR2 chemokine receptor binding	manual
GO:0031728	CCR3 chemokine receptor binding	manual
GO:0031729	CCR4 chemokine receptor binding	manual
GO:0031730	CCR5 chemokine receptor binding	manual
GO:0031731	CCR6 chemokine receptor binding	manual
GO:0031959	mineralocorticoid receptor signaling pathway	automatic
GO:0031999	negative regulation of fatty acid beta-oxidation	automatic
GO:0032007	negative regulation of TOR signaling	both
GO:0032008	positive regulation of TOR signaling	automatic
GO:0032088	negative regulation of NF-kappaB transcription factor activity	both

GO:0032148	activation of protein kinase B activity	automatic
GO:0032224	positive regulation of synaptic transmission, cholinergic	automatic
GO:0032237	activation of store-operated calcium channel activity	automatic
GO:0032286	central nervous system myelin maintenance	automatic
GO:0032287	peripheral nervous system myelin maintenance	automatic
GO:0032289	central nervous system myelin formation	automatic
GO:0032314	regulation of Rac GTPase activity	automatic
GO:0032364	oxygen homeostasis	automatic
GO:0032425	positive regulation of mismatch repair	automatic
GO:0032493	response to bacterial lipoprotein	manual
GO:0032497	detection of lipopolysaccharide	automatic
GO:0032498	detection of muramyl dipeptide	automatic
GO:0032525	somite rostral/caudal axis specification	automatic
GO:0032602	chemokine production	manual
GO:0032607	interferon-alpha production	manual
GO:0032608	interferon-beta production	manual
GO:0032609	interferon-gamma production	manual
GO:0032689	negative regulation of interferon-gamma production	manual
GO:0032693	negative regulation of interleukin-10 production	manual
GO:0032695	negative regulation of interleukin-12 production	manual
GO:0032700	negative regulation of interleukin-17 production	manual
GO:0032707	negative regulation of interleukin-23 production	manual
GO:0032715	negative regulation of interleukin-6 production	manual
GO:0032720	negative regulation of tumor necrosis factor production	manual
GO:0032725	positive regulation of granulocyte macrophage colony-stimulating factor production	manual
GO:0032727	positive regulation of interferon-alpha production	manual
GO:0032729	positive regulation of interferon-gamma production	manual
GO:0032733	positive regulation of interleukin-10 production	manual
GO:0032735	positive regulation of interleukin-12 production	manual
GO:0032736	positive regulation of interleukin-13 production	manual
GO:0032740	positive regulation of interleukin-17 production	manual
GO:0032743	positive regulation of interleukin-2 production	manual
GO:0032747	positive regulation of interleukin-23 production	manual

GO:0032753	positive regulation of interleukin-4 production	manual
GO:0032755	positive regulation of interleukin-6 production	manual
GO:0032757	positive regulation of interleukin-8 production	manual
GO:0032760	positive regulation of tumor necrosis factor production	manual
GO:0032764	negative regulation of mast cell cytokine production	automatic
GO:0032765	positive regulation of mast cell cytokine production	automatic
GO:0032793	positive regulation of CREB transcription factor activity	automatic
GO:0032859	activation of Ral GTPase activity	automatic
GO:0032916	positive regulation of transforming growth factor beta3 production	manual
GO:0032922	circadian regulation of gene expression	automatic
GO:0032930	positive regulation of superoxide anion generation	both
GO:0032966	negative regulation of collagen biosynthetic process	automatic
GO:0032967	positive regulation of collagen biosynthetic process	automatic
GO:0032968	positive regulation of transcription elongation from RNA polymerase II promoter	automatic
GO:0033026	negative regulation of mast cell apoptotic process	automatic
GO:0033030	negative regulation of neutrophil apoptotic process	automatic
GO:0033092	positive regulation of immature T cell proliferation in thymus	automatic
GO:0033129	positive regulation of histone phosphorylation	automatic
GO:0033133	positive regulation of glucokinase activity	automatic
GO:0033148	positive regulation of intracellular estrogen receptor signaling pathway	automatic
GO:0033160	positive regulation of protein import into nucleus, translocation	automatic
GO:0033277	abortive mitotic cell cycle	automatic
GO:0033634	positive regulation of cell-cell adhesion mediated by integrin	automatic
GO:0033661	negative regulation by symbiont of defense-related host reactive oxygen species production	manual
GO:0033689	negative regulation of osteoblast proliferation	automatic
GO:0033861	negative regulation of NAD(P)H oxidase activity	automatic
GO:0034097	response to cytokine	manual
GO:0034115	negative regulation of heterotypic cell-cell adhesion	automatic
GO:0034116	positive regulation of heterotypic cell-cell adhesion	automatic
GO:0034136	negative regulation of toll-like receptor 2 signaling pathway	automatic
GO:0034137	positive regulation of toll-like receptor 2 signaling pathway	automatic
GO:0034140	negative regulation of toll-like receptor 3 signaling pathway	automatic
GO:0034141	positive regulation of toll-like receptor 3 signaling pathway	automatic

GO:0034145	positive regulation of toll-like receptor 4 signaling pathway	automatic
GO:0034148	negative regulation of toll-like receptor 5 signaling pathway	automatic
GO:0034238	macrophage fusion	manual
GO:0034239	regulation of macrophage fusion	manual
GO:0034240	negative regulation of macrophage fusion	both
GO:0034241	positive regulation of macrophage fusion	manual
GO:0034244	negative regulation of transcription elongation from RNA polymerase II promoter	automatic
GO:0034259	negative regulation of Rho GTPase activity	automatic
GO:0034346	positive regulation of type III interferon production	automatic
GO:0034393	positive regulation of smooth muscle cell apoptotic process	automatic
GO:0035176	social behavior	automatic
GO:0035234	ectopic germ cell programmed cell death	automatic
GO:0035278	negative regulation of translation involved in gene silencing by miRNA	automatic
GO:0035360	positive regulation of peroxisome proliferator activated receptor signaling pathway	automatic
GO:0035408	histone H3-T6 phosphorylation	automatic
GO:0035409	histone H3-Y41 phosphorylation	automatic
GO:0035413	positive regulation of catenin import into nucleus	automatic
GO:0035419	activation of MAPK activity involved in innate immune response	automatic
GO:0035456	response to interferon-beta	manual
GO:0035458	cellular response to interferon-beta	both
GO:0035470	positive regulation of vascular wound healing	automatic
GO:0035505	positive regulation of myosin light chain kinase activity	automatic
GO:0035546	interferon-beta secretion	manual
GO:0035602	fibroblast growth factor receptor signaling pathway involved in negative regulation of apoptotic process in bone marrow	automatic
GO:0035603	fibroblast growth factor receptor signaling pathway involved in hemopoiesis	automatic
GO:0035604	fibroblast growth factor receptor signaling pathway involved in positive regulation of cell proliferation in bone marrow	automatic
GO:0035607	fibroblast growth factor receptor signaling pathway involved in orbitofrontal cortex development	automatic
GO:0035665	TIRAP-dependent toll-like receptor 4 signaling pathway	automatic
GO:0035688	T-helper 1 cell diapedesis	automatic
GO:0035702	monocyte homeostasis	automatic
GO:0035705	T-helper 17 cell chemotaxis	automatic
GO:0035722	interleukin-12-mediated signaling pathway	automatic
GO:0035772	interleukin-13-mediated signaling pathway	automatic

GO:0035774	positive regulation of insulin secretion involved in cellular response to glucose stimulus	automatic
GO:0035793	positive regulation of metanephric mesenchymal cell migration by platelet-derived growth factor receptor-beta signaling pathway	automatic
GO:0035855	megakaryocyte development	automatic
GO:0035871	protein K11-linked deubiquitination	automatic
GO:0035912	dorsal aorta morphogenesis	automatic
GO:0036016	cellular response to interleukin-3	automatic
GO:0036120	cellular response to platelet-derived growth factor stimulus	automatic
GO:0036289	peptidyl-serine autophosphorylation	automatic
GO:0036302	atrioventricular canal development	automatic
GO:0036337	Fas signaling pathway	manual
GO:0036342	post-anal tail morphogenesis	automatic
GO:0038001	paracrine signaling	automatic
GO:0038033	positive regulation of endothelial cell chemotaxis by VEGF-activated vascular endothelial growth factor receptor signaling pathway	automatic
GO:0038091	positive regulation of cell proliferation by VEGF-activated platelet derived growth factor receptor signaling pathway	automatic
GO:0038154	interleukin-11-mediated signaling pathway	automatic
GO:0038155	interleukin-23-mediated signaling pathway	automatic
GO:0038178	complement component C5a signaling pathway	automatic
GO:0038180	nerve growth factor signaling pathway	automatic
GO:0039529	RIG-I signaling pathway	manual
GO:0039530	MDA-5 signaling pathway	manual
GO:0040015	negative regulation of multicellular organism growth	automatic
GO:0040018	positive regulation of multicellular organism growth	automatic
GO:0042033	chemokine biosynthetic process	manual
GO:0042088	T-helper 1 type immune response	manual
GO:0042092	type 2 immune response	manual
GO:0042104	positive regulation of activated T cell proliferation	both
GO:0042116	macrophage activation	manual
GO:0042119	neutrophil activation	manual
GO:0042379	chemokine receptor binding	manual
GO:0042474	middle ear morphogenesis	automatic
GO:0042494	detection of bacterial lipoprotein	manual
GO:0042495	detection of triacyl bacterial lipopeptide	automatic
GO:0042496	detection of diacyl bacterial lipopeptide	automatic

GO:0042511	positive regulation of tyrosine phosphorylation of Stat1 protein	both
GO:0042517	positive regulation of tyrosine phosphorylation of Stat3 protein	both
GO:0042518	negative regulation of tyrosine phosphorylation of Stat3 protein	automatic
GO:0042520	positive regulation of tyrosine phosphorylation of Stat4 protein	both
GO:0042523	positive regulation of tyrosine phosphorylation of Stat5 protein	both
GO:0042526	positive regulation of tyrosine phosphorylation of Stat6 protein	automatic
GO:0042535	positive regulation of tumor necrosis factor biosynthetic process	automatic
GO:0042536	negative regulation of tumor necrosis factor biosynthetic process	automatic
GO:0042711	maternal behavior	automatic
GO:0042742	defense response to bacterium	manual
GO:0042789	mRNA transcription from RNA polymerase II promoter	automatic
GO:0042832	defense response to protozoan	manual
GO:0042892	chloramphenicol transport	automatic
GO:0042953	lipoprotein transport	automatic
GO:0043030	regulation of macrophage activation	manual
GO:0043031	negative regulation of macrophage activation	automatic
GO:0043032	positive regulation of macrophage activation	both
GO:0043117	positive regulation of vascular permeability	automatic
GO:0043129	surfactant homeostasis	automatic
GO:0043305	negative regulation of mast cell degranulation	automatic
GO:0043310	negative regulation of eosinophil degranulation	automatic
GO:0043312	neutrophil degranulation	manual
GO:0043313	regulation of neutrophil degranulation	manual
GO:0043366	beta selection	automatic
GO:0043382	positive regulation of memory T cell differentiation	automatic
GO:0043408	regulation of MAPK cascade	manual
GO:0043409	negative regulation of MAPK cascade	manual
GO:0043410	positive regulation of MAPK cascade	manual
GO:0043504	mitochondrial DNA repair	automatic
GO:0043552	positive regulation of phosphatidylinositol 3-kinase activity	both
GO:0043610	regulation of carbohydrate utilization	automatic
GO:0043922	negative regulation by host of viral transcription	automatic
GO:0043923	positive regulation by host of viral transcription	automatic

GO:0043988	histone H3-S28 phosphorylation	automatic
GO:0043990	histone H2A-S1 phosphorylation	automatic
GO:0044027	hypermethylation of CpG island	automatic
GO:0044130	negative regulation of growth of symbiont in host	automatic
GO:0044140	negative regulation of growth of symbiont on or near host surface	automatic
GO:0044330	canonical Wnt signaling pathway involved in positive regulation of wound healing	automatic
GO:0044336	canonical Wnt signaling pathway involved in negative regulation of apoptotic process	automatic
GO:0044337	canonical Wnt signaling pathway involved in positive regulation of apoptotic process	automatic
GO:0044413	avoidance of host defenses	manual
GO:0044414	suppression of host defenses	manual
GO:0044565	dendritic cell proliferation	automatic
GO:0044861	protein transport into plasma membrane raft	automatic
GO:0045019	negative regulation of nitric oxide biosynthetic process	both
GO:0045078	positive regulation of interferon-gamma biosynthetic process	automatic
GO:0045083	negative regulation of interleukin-12 biosynthetic process	automatic
GO:0045084	positive regulation of interleukin-12 biosynthetic process	both
GO:0045086	positive regulation of interleukin-2 biosynthetic process	both
GO:0045087	innate immune response	manual
GO:0045221	negative regulation of FasL biosynthetic process	automatic
GO:0045335	phagocytic vesicle	manual
GO:0045347	negative regulation of MHC class II biosynthetic process	automatic
GO:0045348	positive regulation of MHC class II biosynthetic process	both
GO:0045356	positive regulation of interferon-alpha biosynthetic process	automatic
GO:0045358	negative regulation of interferon-beta biosynthetic process	automatic
GO:0045359	positive regulation of interferon-beta biosynthetic process	both
GO:0045368	positive regulation of interleukin-13 biosynthetic process	automatic
GO:0045401	positive regulation of interleukin-3 biosynthetic process	automatic
GO:0045410	positive regulation of interleukin-6 biosynthetic process	both
GO:0045416	positive regulation of interleukin-8 biosynthetic process	both
GO:0045425	positive regulation of granulocyte macrophage colony-stimulating factor biosynthetic process	automatic
GO:0045429	positive regulation of nitric oxide biosynthetic process	both
GO:0045454	cell redox homeostasis	automatic
GO:0045475	locomotor rhythm	automatic

GO:0045542	positive regulation of cholesterol biosynthetic process	automatic
GO:0045588	positive regulation of gamma-delta T cell differentiation	both
GO:0045617	negative regulation of keratinocyte differentiation	automatic
GO:0045626	negative regulation of T-helper 1 cell differentiation	both
GO:0045627	positive regulation of T-helper 1 cell differentiation	both
GO:0045629	negative regulation of T-helper 2 cell differentiation	both
GO:0045630	positive regulation of T-helper 2 cell differentiation	both
GO:0045647	negative regulation of erythrocyte differentiation	automatic
GO:0045648	positive regulation of erythrocyte differentiation	automatic
GO:0045649	regulation of macrophage differentiation	manual
GO:0045656	negative regulation of monocyte differentiation	automatic
GO:0045657	positive regulation of monocyte differentiation	both
GO:0045668	negative regulation of osteoblast differentiation	automatic
GO:0045669	positive regulation of osteoblast differentiation	automatic
GO:0045721	negative regulation of gluconeogenesis	automatic
GO:0045725	positive regulation of glycogen biosynthetic process	automatic
GO:0045728	respiratory burst after phagocytosis	manual
GO:0045730	respiratory burst	manual
GO:0045779	negative regulation of bone resorption	automatic
GO:0045780	positive regulation of bone resorption	automatic
GO:0045792	negative regulation of cell size	automatic
GO:0045820	negative regulation of glycolytic process	automatic
GO:0045821	positive regulation of glycolytic process	automatic
GO:0045899	positive regulation of RNA polymerase II transcriptional preinitiation complex assembly	automatic
GO:0045906	negative regulation of vasoconstriction	automatic
GO:0045907	positive regulation of vasoconstriction	automatic
GO:0045908	negative regulation of vasodilation	automatic
GO:0045909	positive regulation of vasodilation	automatic
GO:0045994	positive regulation of translational initiation by iron	automatic
GO:0046010	positive regulation of circadian sleep/wake cycle, non-REM sleep	automatic
GO:0046330	positive regulation of JNK cascade	manual
GO:0046544	development of secondary male sexual characteristics	automatic
GO:0046697	decidualization	automatic

GO:0046716	muscle cell cellular homeostasis	automatic
GO:0046722	lactic acid secretion	automatic
GO:0048020	CCR chemokine receptor binding	manual
GO:0048022	negative regulation of melanin biosynthetic process	automatic
GO:0048246	macrophage chemotaxis	manual
GO:0048298	positive regulation of isotype switching to IgA isotypes	automatic
GO:0048304	positive regulation of isotype switching to IgG isotypes	automatic
GO:0048388	endosomal lumen acidification	automatic
GO:0048535	lymph node development	automatic
GO:0048554	positive regulation of metalloenzyme activity	automatic
GO:0048617	embryonic foregut morphogenesis	automatic
GO:0048633	positive regulation of skeletal muscle tissue growth	automatic
GO:0048661	positive regulation of smooth muscle cell proliferation	automatic
GO:0048662	negative regulation of smooth muscle cell proliferation	automatic
GO:0048702	embryonic neurocranium morphogenesis	automatic
GO:0048711	positive regulation of astrocyte differentiation	automatic
GO:0048712	negative regulation of astrocyte differentiation	automatic
GO:0048714	positive regulation of oligodendrocyte differentiation	automatic
GO:0048842	positive regulation of axon extension involved in axon guidance	automatic
GO:0050663	cytokine secretion	manual
GO:0050689	negative regulation of defense response to virus by host	automatic
GO:0050713	negative regulation of interleukin-1 beta secretion	automatic
GO:0050717	positive regulation of interleukin-1 alpha secretion	automatic
GO:0050718	positive regulation of interleukin-1 beta secretion	automatic
GO:0050726	positive regulation of interleukin-1 alpha biosynthetic process	automatic
GO:0050755	chemokine metabolic process	manual
GO:0050764	regulation of phagocytosis	manual
GO:0050765	negative regulation of phagocytosis	manual
GO:0050766	positive regulation of phagocytosis	manual
GO:0050776	regulation of immune response	manual
GO:0050789	regulation of biological process	manual
GO:0050821	protein stabilization	automatic
GO:0050847	progesterone receptor signaling pathway	automatic

GO:0050859	negative regulation of B cell receptor signaling pathway	automatic
GO:0050861	positive regulation of B cell receptor signaling pathway	both
GO:0050882	voluntary musculoskeletal movement	automatic
GO:0050910	detection of mechanical stimulus involved in sensory perception of sound	automatic
GO:0050930	induction of positive chemotaxis	both
GO:0050966	detection of mechanical stimulus involved in sensory perception of pain	automatic
GO:0051000	positive regulation of nitric-oxide synthase activity	automatic
GO:0051024	positive regulation of immunoglobulin secretion	both
GO:0051025	negative regulation of immunoglobulin secretion	automatic
GO:0051044	positive regulation of membrane protein ectodomain proteolysis	automatic
GO:0051045	negative regulation of membrane protein ectodomain proteolysis	automatic
GO:0051135	positive regulation of NK T cell activation	both
GO:0051138	positive regulation of NK T cell differentiation	automatic
GO:0051142	positive regulation of NK T cell proliferation	both
GO:0051280	negative regulation of release of sequestered calcium ion into cytosol	automatic
GO:0051281	positive regulation of release of sequestered calcium ion into cytosol	automatic
GO:0051344	negative regulation of cyclic-nucleotide phosphodiesterase activity	automatic
GO:0051365	cellular response to potassium ion starvation	automatic
GO:0051389	inactivation of MAPKK activity	manual
GO:0051390	inactivation of MAPKKK activity	manual
GO:0051403	stress-activated MAPK cascade	manual
GO:0051463	negative regulation of cortisol secretion	automatic
GO:0051490	negative regulation of filopodium assembly	automatic
GO:0051491	positive regulation of filopodium assembly	automatic
GO:0051496	positive regulation of stress fiber assembly	automatic
GO:0051533	positive regulation of NFAT protein import into nucleus	automatic
GO:0051534	negative regulation of NFAT protein import into nucleus	automatic
GO:0051607	defense response to virus	manual
GO:0051707	response to other organism	manual
GO:0051770	positive regulation of nitric-oxide synthase biosynthetic process	automatic
GO:0051795	positive regulation of catagen	automatic
GO:0051894	positive regulation of focal adhesion assembly	automatic
GO:0051895	negative regulation of focal adhesion assembly	automatic

GO:0051897	positive regulation of protein kinase B signaling	automatic
GO:0051898	negative regulation of protein kinase B signaling	automatic
GO:0051902	negative regulation of mitochondrial depolarization	automatic
GO:0051968	positive regulation of synaptic transmission, glutamatergic	automatic
GO:0051971	positive regulation of transmission of nerve impulse	automatic
GO:0051974	negative regulation of telomerase activity	automatic
GO:0052059	evasion or tolerance by symbiont of host-produced reactive oxygen species	manual
GO:0052063	induction by symbiont of defense-related host nitric oxide production	automatic
GO:0052064	induction by symbiont of defense-related host reactive oxygen species production	manual
GO:0052164	modulation by symbiont of defense-related host reactive oxygen species production	manual
GO:0052190	modulation by symbiont of host phagocytosis	manual
GO:0052200	response to host defenses	manual
GO:0052349	positive regulation by organism of defense-related symbiont reactive oxygen species production	manual
GO:0052369	positive regulation by symbiont of defense-related host reactive oxygen species production	manual
GO:0052401	induction by organism of defense-related symbiont reactive oxygen species production	manual
GO:0052462	modulation by host of symbiont phagocytosis	manual
GO:0052465	modulation by organism of defense-related symbiont reactive oxygen species production	manual
GO:0052572	response to host immune response	manual
GO:0055089	fatty acid homeostasis	automatic
GO:0060044	negative regulation of cardiac muscle cell proliferation	automatic
GO:0060099	regulation of phagocytosis , engulfment	manual
GO:0060100	positive regulation of phagocytosis , engulfment	manual
GO:0060125	negative regulation of growth hormone secretion	automatic
GO:0060134	prepulse inhibition	automatic
GO:0060154	cellular process regulating host cell cycle in response to virus	automatic
GO:0060213	positive regulation of nuclear-transcribed mRNA poly(A) tail shortening	automatic
GO:0060244	negative regulation of cell proliferation involved in contact inhibition	automatic
GO:0060263	regulation of respiratory burst	manual
GO:0060264	regulation of respiratory burst involved in inflammatory response	manual
GO:0060265	positive regulation of respiratory burst involved in inflammatory response	manual
GO:0060266	negative regulation of respiratory burst involved in inflammatory response	manual
GO:0060267	positive regulation of respiratory burst	manual
GO:0060268	negative regulation of respiratory burst	manual

GO:0060290	transdifferentiation	automatic
GO:0060325	face morphogenesis	automatic
GO:0060336	negative regulation of interferon-gamma-mediated signaling pathway	automatic
GO:0060340	positive regulation of type I interferon-mediated signaling pathway	both
GO:0060347	heart trabecula formation	automatic
GO:0060365	coronal suture morphogenesis	automatic
GO:0060369	positive regulation of Fc receptor mediated stimulatory signaling pathway	automatic
GO:0060373	regulation of ventricular cardiac muscle cell membrane depolarization	automatic
GO:0060376	positive regulation of mast cell differentiation	automatic
GO:0060385	axonogenesis involved in innervation	automatic
GO:0060391	positive regulation of SMAD protein import into nucleus	automatic
GO:0060394	negative regulation of pathway-restricted SMAD protein phosphorylation	automatic
GO:0060395	SMAD protein signal transduction	both
GO:0060397	JAK-STAT cascade involved in growth hormone signaling pathway	both
GO:0060399	positive regulation of growth hormone receptor signaling pathway	automatic
GO:0060426	lung vasculature development	automatic
GO:0060440	trachea formation	automatic
GO:0060449	bud elongation involved in lung branching	automatic
GO:0060509	Type I pneumocyte differentiation	automatic
GO:0060523	prostate epithelial cord elongation	automatic
GO:0060527	prostate epithelial cord arborization involved in prostate glandular acinus morphogenesis	automatic
GO:0060529	squamous basal epithelial stem cell differentiation involved in prostate gland acinus development	automatic
GO:0060545	positive regulation of necroptotic process	automatic
GO:0060550	positive regulation of fructose 1,6-bisphosphate 1-phosphatase activity	automatic
GO:0060552	positive regulation of fructose 1,6-bisphosphate metabolic process	automatic
GO:0060559	positive regulation of calcidiol 1-monooxygenase activity	automatic
GO:0060574	intestinal epithelial cell maturation	automatic
GO:0060585	positive regulation of prostaglandin-endoperoxide synthase activity	automatic
GO:0060595	fibroblast growth factor receptor signaling pathway involved in mammary gland specification	automatic
GO:0060664	epithelial cell proliferation involved in salivary gland morphogenesis	automatic
GO:0060665	regulation of branching involved in salivary gland morphogenesis by mesenchymal-epithelial signaling	automatic
GO:0060667	branch elongation involved in salivary gland morphogenesis	automatic
GO:0060683	regulation of branching involved in salivary gland morphogenesis by epithelial-mesenchymal signaling	automatic

GO:0060687	regulation of branching involved in prostate gland morphogenesis	automatic
GO:0060707	trophoblast giant cell differentiation	automatic
GO:0060708	spongiotrophoblast differentiation	automatic
GO:0060709	glycogen cell differentiation involved in embryonic placenta development	automatic
GO:0060716	labyrinthine layer blood vessel development	automatic
GO:0060744	mammary gland branching involved in thelarche	automatic
GO:0060754	positive regulation of mast cell chemotaxis	automatic
GO:0060763	mammary duct terminal end bud growth	automatic
GO:0060770	negative regulation of epithelial cell proliferation involved in prostate gland development	automatic
GO:0060907	positive regulation of macrophage cytokine production	automatic
GO:0060915	mesenchymal cell differentiation involved in lung development	automatic
GO:0060981	cell migration involved in coronary angiogenesis	automatic
GO:0060982	coronary artery morphogenesis	automatic
GO:0060992	response to fungicide	automatic
GO:0061002	negative regulation of dendritic spine morphogenesis	automatic
GO:0061003	positive regulation of dendritic spine morphogenesis	automatic
GO:0061029	eyelid development in camera-type eye	automatic
GO:0061030	epithelial cell differentiation involved in mammary gland alveolus development	automatic
GO:0061031	endodermal digestive tract morphogenesis	automatic
GO:0061052	negative regulation of cell growth involved in cardiac muscle cell development	automatic
GO:0061078	positive regulation of prostaglandin secretion involved in immune response	automatic
GO:0061144	alveolar secondary septum development	automatic
GO:0061145	lung smooth muscle development	automatic
GO:0061198	fungiform papilla formation	automatic
GO:0061419	positive regulation of transcription from RNA polymerase II promoter in response to hypoxia	automatic
GO:0061428	negative regulation of transcription from RNA polymerase II promoter in response to hypoxia	automatic
GO:0061517	macrophage proliferation	manual
GO:0061519	macrophage homeostasis	manual
GO:0070093	negative regulation of glucagon secretion	automatic
GO:0070094	positive regulation of glucagon secretion	automatic
GO:0070120	ciliary neurotrophic factor-mediated signaling pathway	automatic
GO:0070164	negative regulation of adiponectin secretion	automatic
GO:0070207	protein homotrimerization	automatic

GO:0070236	negative regulation of activation-induced cell death of T cells	automatic
GO:0070237	positive regulation of activation-induced cell death of T cells	automatic
GO:0070244	negative regulation of thymocyte apoptotic process	automatic
GO:0070245	positive regulation of thymocyte apoptotic process	automatic
GO:0070257	positive regulation of mucus secretion	automatic
GO:0070269	pyroptosis	automatic
GO:0070339	response to bacterial lipopeptide	manual
GO:0070340	detection of bacterial lipopeptide	manual
GO:0070373	negative regulation of ERK1 and ERK2 cascade	both
GO:0070429	negative regulation of nucleotide-binding oligomerization domain containing 1 signaling pathway	automatic
GO:0070430	positive regulation of nucleotide-binding oligomerization domain containing 1 signaling pathway	automatic
GO:0070433	negative regulation of nucleotide-binding oligomerization domain containing 2 signaling pathway	automatic
GO:0070434	positive regulation of nucleotide-binding oligomerization domain containing 2 signaling pathway	automatic
GO:0070447	positive regulation of oligodendrocyte progenitor proliferation	automatic
GO:0070488	neutrophil aggregation	manual
GO:0070667	negative regulation of mast cell proliferation	automatic
GO:0070668	positive regulation of mast cell proliferation	automatic
GO:0070933	histone H4 deacetylation	automatic
GO:0070935	3'-UTR-mediated mRNA stabilization	automatic
GO:0070942	neutrophil mediated cytotoxicity	manual
GO:0070965	positive regulation of neutrophil mediated killing of fungus	automatic
GO:0071109	superior temporal gyrus development	automatic
GO:0071223	cellular response to lipoteichoic acid	automatic
GO:0071224	cellular response to peptidoglycan	automatic
GO:0071225	cellular response to muramyl dipeptide	automatic
GO:0071226	cellular response to molecule of fungal origin	automatic
GO:0071260	cellular response to mechanical stimulus	automatic
GO:0071285	cellular response to lithium ion	automatic
GO:0071294	cellular response to zinc ion	automatic
GO:0071300	cellular response to retinoic acid	automatic
GO:0071316	cellular response to nicotine	automatic
GO:0071320	cellular response to cAMP	automatic
GO:0071321	cellular response to cGMP	automatic

GO:0071360	cellular response to exogenous dsRNA	automatic
GO:0071364	cellular response to epidermal growth factor stimulus	automatic
GO:0071374	cellular response to parathyroid hormone stimulus	automatic
GO:0071392	cellular response to estradiol stimulus	automatic
GO:0071393	cellular response to progesterone stimulus	automatic
GO:0071480	cellular response to gamma radiation	automatic
GO:0071495	cellular response to endogenous stimulus	manual
GO:0071506	cellular response to mycophenolic acid	automatic
GO:0071542	dopaminergic neuron differentiation	automatic
GO:0071549	cellular response to dexamethasone stimulus	automatic
GO:0071557	histone H3-K27 demethylation	automatic
GO:0071559	response to transforming growth factor beta	manual
GO:0071639	positive regulation of monocyte chemotactic protein-1 production	automatic
GO:0071651	positive regulation of chemokine (C-C motif) ligand 5 production	automatic
GO:0071660	positive regulation of IP-10 production	automatic
GO:0071677	positive regulation of mononuclear cell migration	automatic
GO:0071679	commissural neuron axon guidance	automatic
GO:0071726	cellular response to diacyl bacterial lipopeptide	automatic
GO:0071727	cellular response to triacyl bacterial lipopeptide	automatic
GO:0071732	cellular response to nitric oxide	both
GO:0071803	positive regulation of podosome assembly	automatic
GO:0071888	macrophage apoptotic process	manual
GO:0071954	chemokine (C-C motif) ligand 11 production	automatic
GO:0072134	nephrogenic mesenchyme morphogenesis	automatic
GO:0072255	metanephric glomerular mesangial cell development	automatic
GO:0072277	metanephric glomerular capillary formation	automatic
GO:0072573	tolerance induction to lipopolysaccharide	automatic
GO:0072641	type I interferon secretion	manual
GO:0072642	interferon-alpha secretion	manual
GO:0072643	interferon-gamma secretion	manual
GO:0072672	neutrophil extravasation	manual
GO:0090022	regulation of neutrophil chemotaxis	manual
GO:0090023	positive regulation of neutrophil chemotaxis	both

GO:0090026	positive regulation of monocyte chemotaxis	both
GO:0090035	positive regulation of chaperone-mediated protein complex assembly	automatic
GO:0090037	positive regulation of protein kinase C signaling	automatic
GO:0090050	positive regulation of cell migration involved in sprouting angiogenesis	automatic
GO:0090073	positive regulation of protein homodimerization activity	automatic
GO:0090080	positive regulation of MAPKKK cascade by fibroblast growth factor receptor signaling pathway	automatic
GO:0090096	positive regulation of metanephric cap mesenchymal cell proliferation	automatic
GO:0090103	cochlea morphogenesis	automatic
GO:0090166	Golgi disassembly	automatic
GO:0090170	regulation of Golgi inheritance	automatic
GO:0090190	positive regulation of branching involved in ureteric bud morphogenesis	automatic
GO:0090195	chemokine secretion	manual
GO:0090200	positive regulation of release of cytochrome c from mitochondria	automatic
GO:0090201	negative regulation of release of cytochrome c from mitochondria	automatic
GO:0090204	protein localization to nuclear pore	automatic
GO:0090238	positive regulation of arachidonic acid secretion	automatic
GO:0090265	positive regulation of immune complex clearance by monocytes and macrophages	automatic
GO:0090275	negative regulation of somatostatin secretion	automatic
GO:0090336	positive regulation of brown fat cell differentiation	automatic
GO:0090370	negative regulation of cholesterol efflux	automatic
GO:0090394	negative regulation of excitatory postsynaptic membrane potential	automatic
GO:0090399	replicative senescence	automatic
GO:0090403	oxidative stress-induced premature senescence	automatic
GO:0090557	establishment of endothelial intestinal barrier	automatic
GO:0097011	cellular response to granulocyte macrophage colony-stimulating factor stimulus	both
GO:0097105	presynaptic membrane assembly	automatic
GO:0097107	postsynaptic density assembly	automatic
GO:0097150	neuronal stem cell maintenance	automatic
GO:0097281	immune complex formation	manual
GO:0097284	hepatocyte apoptotic process	automatic
GO:0097296	activation of cysteine-type endopeptidase activity involved in apoptotic signaling pathway	automatic
GO:0097350	neutrophil clearance	manual
GO:0097527	necroptotic signaling pathway	automatic

GO:0098908	regulation of neuronal action potential	automatic
GO:1900017	positive regulation of cytokine production involved in inflammatory response	both
GO:1900026	positive regulation of substrate adhesion-dependent cell spreading	automatic
GO:1900029	positive regulation of ruffle assembly	automatic
GO:1900086	positive regulation of peptidyl-tyrosine autophosphorylation	automatic
GO:1900126	negative regulation of hyaluronan biosynthetic process	automatic
GO:1900127	positive regulation of hyaluronan biosynthetic process	automatic
GO:1900163	positive regulation of phospholipid scramblase activity	automatic
GO:1900222	negative regulation of beta-amyloid clearance	automatic
GO:1900224	positive regulation of nodal signaling pathway involved in determination of lateral mesoderm left/right asymmetry	automatic
GO:1900745	positive regulation of p38MAPK cascade	automatic
GO:1900756	protein processing in phagocytic vesicle	manual
GO:1901313	positive regulation of gene expression involved in extracellular matrix organization	automatic
GO:1901492	positive regulation of lymphangiogenesis	automatic
GO:1901525	negative regulation of macromitophagy	automatic
GO:1901621	negative regulation of smoothed signaling pathway involved in dorsal/ventral neural tube patterning	automatic
GO:1901666	positive regulation of NAD+ ADP-ribosyltransferase activity	automatic
GO:1901727	positive regulation of histone deacetylase activity	automatic
GO:1901740	negative regulation of myoblast fusion	automatic
GO:1901741	positive regulation of myoblast fusion	automatic
GO:1902035	positive regulation of hematopoietic stem cell proliferation	automatic
GO:1902043	positive regulation of extrinsic apoptotic signaling pathway via death domain receptors	automatic
GO:1902166	negative regulation of intrinsic apoptotic signaling pathway in response to DNA damage by p53 class mediator	automatic
GO:1902178	fibroblast growth factor receptor apoptotic signaling pathway	automatic
GO:1902262	apoptotic process involved in patterning of blood vessels	automatic
GO:1902336	positive regulation of retinal ganglion cell axon guidance	automatic
GO:1902340	negative regulation of chromosome condensation	automatic
GO:1902443	negative regulation of ripoptosome assembly involved in necroptotic process	automatic
GO:1902563	regulation of neutrophil activation	manual
GO:1902622	regulation of neutrophil migration	manual
GO:1902728	positive regulation of growth factor dependent skeletal muscle satellite cell proliferation	automatic
GO:1902966	positive regulation of protein localization to early endosome	automatic
GO:1990000	amyloid fibril formation	automatic

GO:1990086	lens fiber cell apoptotic process	automatic
GO:1990242	innate immune response complex	manual
GO:1990266	neutrophil migration	manual
GO:1990401	embryonic lung development	automatic
GO:1990441	negative regulation of transcription from RNA polymerase II promoter in response to endoplasmic reticulum stress	automatic
GO:2000010	positive regulation of protein localization to cell surface	automatic
GO:2000017	positive regulation of determination of dorsal identity	automatic
GO:2000060	positive regulation of protein ubiquitination involved in ubiquitin-dependent protein catabolic process	automatic
GO:2000078	positive regulation of type B pancreatic cell development	automatic
GO:2000109	regulation of macrophage apoptotic process	manual
GO:2000110	negative regulation of macrophage apoptotic process	automatic
GO:2000173	negative regulation of branching morphogenesis of a nerve	automatic
GO:2000230	negative regulation of pancreatic stellate cell proliferation	automatic
GO:2000231	positive regulation of pancreatic stellate cell proliferation	automatic
GO:2000251	positive regulation of actin cytoskeleton reorganization	automatic
GO:2000256	positive regulation of male germ cell proliferation	automatic
GO:2000309	positive regulation of tumor necrosis factor (ligand) superfamily member 11 production	automatic
GO:2000330	positive regulation of T-helper 17 cell lineage commitment	automatic
GO:2000340	positive regulation of chemokine (C-X-C motif) ligand 1 production	automatic
GO:2000343	positive regulation of chemokine (C-X-C motif) ligand 2 production	both
GO:2000347	positive regulation of hepatocyte proliferation	automatic
GO:2000349	negative regulation of CD40 signaling pathway	automatic
GO:2000352	negative regulation of endothelial cell apoptotic process	automatic
GO:2000353	positive regulation of endothelial cell apoptotic process	automatic
GO:2000363	positive regulation of prostaglandin-E synthase activity	automatic
GO:2000366	positive regulation of STAT protein import into nucleus	automatic
GO:2000389	regulation of neutrophil extravasation	manual
GO:2000424	positive regulation of eosinophil chemotaxis	automatic
GO:2000428	regulation of neutrophil aggregation	manual
GO:2000439	positive regulation of monocyte extravasation	automatic
GO:2000454	positive regulation of CD8-positive, alpha-beta cytotoxic T cell extravasation	automatic
GO:2000463	positive regulation of excitatory postsynaptic membrane potential	automatic
GO:2000464	positive regulation of astrocyte chemotaxis	automatic

GO:2000467	positive regulation of glycogen (starch) synthase activity	automatic
GO:2000473	positive regulation of hematopoietic stem cell migration	automatic
GO:2000481	positive regulation of cAMP-dependent protein kinase activity	automatic
GO:2000491	positive regulation of hepatic stellate cell activation	automatic
GO:2000503	positive regulation of natural killer cell chemotaxis	automatic
GO:2000504	positive regulation of blood vessel remodeling	automatic
GO:2000552	negative regulation of T-helper 2 cell cytokine production	automatic
GO:2000553	positive regulation of T-helper 2 cell cytokine production	automatic
GO:2000657	negative regulation of apolipoprotein binding	automatic
GO:2000660	negative regulation of interleukin-1-mediated signaling pathway	automatic
GO:2000664	positive regulation of interleukin-5 secretion	automatic
GO:2000667	positive regulation of interleukin-13 secretion	automatic
GO:2000670	positive regulation of dendritic cell apoptotic process	automatic
GO:2000679	positive regulation of transcription regulatory region DNA binding	automatic
GO:2000707	positive regulation of dense core granule biogenesis	automatic
GO:2000753	positive regulation of glucosylceramide catabolic process	automatic
GO:2000755	positive regulation of sphingomyelin catabolic process	automatic
GO:2000777	positive regulation of proteasomal ubiquitin-dependent protein catabolic process involved in cellular response to hypoxia	automatic
GO:2000808	negative regulation of synaptic vesicle clustering	automatic
GO:2000811	negative regulation of anoikis	automatic
GO:2001171	positive regulation of ATP biosynthetic process	automatic
GO:2001181	positive regulation of interleukin-10 secretion	automatic
GO:2001214	positive regulation of vasculogenesis	automatic
GO:2001240	negative regulation of extrinsic apoptotic signaling pathway in absence of ligand	automatic
GO:2001241	positive regulation of extrinsic apoptotic signaling pathway in absence of ligand	automatic
GO:2001271	negative regulation of cysteine-type endopeptidase activity involved in execution phase of apoptosis	automatic
GO:2001274	negative regulation of glucose import in response to insulin stimulus	automatic
GO:2001275	positive regulation of glucose import in response to insulin stimulus	automatic