Genes gained in Acteonemertidae BP TreeMap

fructose 1,6–bisphosphate metabolic process	positive regulation of amyloid-beta formation	positive regulation of protein deacetylation	regulation of membrane protein ectodomain proteolysis	positive regulation of nitric oxide biosynthetic process	regulation of alpha–beta T cell differentiation	regulation of regulatory T cell differentiation	positive regulation of osteoclast differentiation	positive regulation of interleukin–12 production	regulation of interleukin–17 production	entry into host cell	viral biological process from involved in nuclear membrane with host
regulation of protein ADP-ribosylation	positive regulation of regulation of phosphorylation of STAT protein	regulation of pnucleotide metab phosphorylation	regulation of regulation of protein catabolic regulation of process regulation of protein catabolic regulation of protein kinase at the catabolic regulation of protein regulation regulation of protein regulation	ion of ein nucleotide metabolic	CD4–positive, alpha–beta T cell differentiation involved in immune response	macrophage r crophage differentia	terentiation	produc <mark>interle</mark> produ	tion of umor necrosis or superfamily kine production action	receptor-mediated virion attachment to host cell viral budding from plasma membrane	fusion of virus membrane with host plasma membrane process al process ion ocess of host of host other anism process viral process modulation by virus of host cellular process
serine phosphorylation of STAT protein	positive regulation of phosphatase activity	positive regulation of reactive oxygen	regulation of	negative regulation of nucleotide metabolic process gulation f purine icleotide etabolic process nucleoside diphosphate metabolic process	activation b	regulation of epithelial cell differentiation sporulation sporulation positive regulation of nervous syster development positive regulation of nervous syster development regulation of regulation of nervous syster development positive regulation of reg	sporulation resulting in root system development cellular spore	regulation of chemokine production regative regulation of cytokine	production involved in inflammatory response positive gulation of erleukin–8 roduction production involved in inflammatory response positive gulation of erleukin–8 roduction production production production production production turns of tumor necrosis factor production production tumor necrosis factor production production tumor necrosis factor production production tumor necrosis factor production tumor necrosis tumor necrosis	process modula	transport of virus in host, cell to cell to cell to modulation by host of winding transport of virus in multicellular host of of virus in multicellula
fat-soluble vitamin biosynthetic process	regulation of smooth muscle cell apoptotic process	regulation of killing of cells of other organism	proliferation androger	killing of cells of other organism	regulation of vitamin metabolic process	positive regulation of bio	positive positive regulation of steroid synthetic process	production interferon–gamma–media signaling pathway	positive regulation of inflammatory response	adaptive immune response inflammator	defense to virus defense to virus defense response to virus defense response onse onse onse onse defense response
positive regulation of muscle cell apoptotic process	microglial cell activation	neuron death cell cycle	regulation of tein-containing nplex assembly regulation of pathway regulation of epithelial rescription receptor signaling pathway regulation of epithelial rescription regulation of epithelial rescription regulation of epithelial regulation of epithelial regulation of epithelial regulation regulation of epithelial regulation	male male meiosis chromosome separation male meiosis	regulation of transcription regulatory region DNA binding	positive positive regulation of immune effector	regulation of catalytic activity regulation of catalytic activity regulation of cold-induced thermogenesis regulation of hydroxy regulation of heart	response to interleukin–18	response to inflatory cytokine stimulus response to cytokine stimu	response ulation of ammatory response negative gulation of lammatory response	mitigation response of response def to host ses by of other symbiont organism
macrophage activation involved in immune response	positive regulation of cell killing	extrinsic sign apoptotic signaling c	egulation of cell proliferation	egulation of regulation of centrosome cycle centrosome duplication cycle cell cycle reproductive process	positive regulation of	process sleep/w cycle, sl regulation reactive species n process regulation of carbohydrate catabolic process sleep/w	eep process nitrogen netabolic ess of blood of heart circulation of blood rate	regulation of protein import into lip	julation of prostaglandi secretion in secretion oid export from cel prostaglandi transport	targeting to vacuole RNA localization icosanoid secretion	ation response