proximal/distal pattern formation involved positive regulation of meiotic cell cy Notch signaling pathway involved in arterial endo negative regulation of transcription from RNA polymerase II promoter involved in smooth negative regulation of synaptic assembly negative regulation of postnegative regulation of cardiac anatomical structure development hemangiobb GABAergic neuron differen epithelial cell proliferation involved chondrocyte intercalation involved in growth. cerebral cortex GABAergi cerebellar Purkinje cell laye anatomical structure formation involved in morpho translation elongation factor low-density lipoprotein particle insulin-like growth factor receptor binding anaphase-promoting complex bit amyloid-beta bit 3-phosphoinositide-dependent protein kinase bit pore formation in membrane of another organism membrane depolarization l biological regulation carbohydrate derivative metabolic process carbohydrate metabolic process leukotriene biosynthetic process l carboxylic acid metabolic process oxidoreductase activity, acting on a sul hydroxymethylglutaryl—CoA reductae hydrolase activity, hydrolyzing N-6 catalytic activity glutamate-5-semialdehyde dehy gamma-glutamylcyclotr ethanolaminephosph 8-methylthiopropyl glucosinolat cytokinesis legislive regulation of macrophage derived foam cell differentiation legislication legis cell cycle process cell differentiation cell motility cellular amino acid metabolic process 4-hydroxyproline catabolic process site of polarized growth cellular anatomical entity hemolysis in another organism l cellular process cytolysis 1 cvtolvsis mitotic spindle assembly l cytoskeleton organization cellular detoxification of cadmium ion 1 detoxification RNA polymerase II intronic transcription regulatory region sequence—specific DNA binding RNA polymerase II cis—regulatory region sequence—specific DNA binding negative regulation of double—strand break repair via nonhomologous end joining DNA double—strand break processing involved in repair via single—strand annealing. **DNA** binding 8 **DNA** repair regulation of DNA endoreduplication I positive regulation of transcription of nucleolar large rRNA by RNA polymerase I positive regulation of transcription from RNA polymerase II promoter in response to heat stress. DNA replication **DNA**-templated transcription low-density lipoprotein particle complement component C1 complex extracellular region Hsp90 protein binding the Hsp70 protein binding the heat shock protein binding regulation of mast cell actival leukocyte migration involved in inflammatory responsible complement activation, classical path immune system process positive regulation of protein insertion into mitochondrial outer membraneintracellular protein transport lipoic acid binding 1 lipid binding N-acylphosph lipid metabolic process **Number of Genes** retrograde neuronal dense core vesicle transport protein transport along microtubule maintenance of ciliary planar beating movement pattern anterograde neuronal dense core vesicle transport transformation of host cell by virus 100 microtubule-based movement 200 modulation by symbiont of host process ubiquitin-protein, transferase activator activity 300 molecular function regulator activity acetylcholine receptor activity positive regulation of mRNA polyadenylation molecular transducer activity mRNA metabolic process plasma lipoprotein particle clearance amyloid-beta clearance multicellular organismal process regulation of the force of skeletal muscle contraction regulation of slow-twitch skeletal muscle fiber contraction muscle filament sliding. Adjusted p-value muscle system process sensory perception of tastenervous system process 0.04 spermine acetylation spermidine acetylation putrescine acetylation positive regulation of RNA biosynthetic process 0.03 nitrogen compound metabolic process 0.02 regulation of protein metabolic process protein repair nor–spermidine metabolic process 0.01 nitrogen compund metabolic process NuA3b histone ac organelle peroxisome fission l peroxisome organization acetylcholine-gated channel complex: plasma membrane activation of phospholipase D activity I • positive regulation of phospholipase activity negative regulation of hydrogen peroxide-mediated programmed cell death l programmed cell death insulin-like growth factor II binding insulin-like growth factor I binding identical protein binding.

D5 dopamine receptor binding. protein binding anaphase-promoting complex-dependent catabolic process l protein catabolic process negative regulation of chaperone-mediated protein folding I protein foldina protein localization to mitotic spindle pole body l protein localization zymogen activation I protein maturation regulation of myosin-light-chain-phosphatase activity protein adenyiviation histone acetylation protein modification process protein-containing complex assembly regulation of biological process positive regulation of protein-positive regula regulation of cellular process positive regulation of cholesterol storage I regulation of lipid storage positive regulation of macromolecule metabolic process negative regulation of interleukin—10 production negative regulation of gene expression regulation of macromolecule metabolic process regulation of hydrogen peroxide metabolic process t regulation of reactive oxygen negative regulation of transporter activity regulation of transport sexual reproduction asexual reproduction reproduction regulation of meiotic nuclear division positive regulation of meiotic cell cycle multicellular organismal reproductive process male meiosis l reproductive process cellular response to gonadotropin-releasing hor cellular response to discellular response to gonadotropin-releasing hor cellular response to discellular response to nitrogen compound response to food negative regulation of appetite chemotaxis to folate response to nutrient levels positive regulation of positive chemotaxis to cAMP-detection of stimulus cellular detoxification of sulfide behavioral response to nicotine response to stimulus response to hypoxia response to heat regulatory RNA binding l response to stress **RNA** bindina transmembrane receptor protein tyrosine phosphatase signaling pat
regulation of vascular endothelial growth factor signaling pay
regulation of adenylate cyclase—activating G protein—coupled receptor signaling pay
regulation of acetylcholine secretion, neurotransmi
positive regulation of TORC2 sign
positive regulation of testosterone sec
positive regulation of synaptic pla
positive regulation of chemorepellent a signaling negative regul negative regulation of g negative regulation of G protein activation of transmembrane rece sulfide oxidation, using sulfur compound metabolic process telomere organization transmembrane transport transport dehydroascorbic transporter activity negative regulation of regulated secretory vesicle-mediated transport vitamin B6 metabolic process TORC2 complex binding vitamin metabolic process response to melanocy positive regulation of protein negative regulation of protein localization to indefends
heuron projection maintenance
negative regulation of feeding behavior
negative regulation of cellular response to transforming growth factor peta stimulus
http://www.cellular.complex.cellular.cesponse.cellul NA CC

Ontology Category