Molecular Function Biological Process cellular response to stimulus -cell differentiation -response to chemical -response to abiotic stimulus small GTPase mediated signal transductio anatomical structure formation involved in morphogenesi response to heat positive regulation of transcription of nucleolar large rRNA by RNA polymerase I negative regulation of Wht signaling pathway negative regulation of Notch signaling pathway negative regulation of interleukin-1 beta production insulin receptor signaling pathway inorganic cation transmembrane transport glutathione biosynthetic process glucose homeostasis
fatty acid biosynthetic process
detection of stimulus
cholesterol transport
behavioral response to nicotine
amyloid—beta clearance amino acid transport zymogen activation thyroid hormone metabolic process synaptic transmission involved in micturition sulfide oxidation, using sulfide:quinone oxidoreductase sexual reproduction regulation of neurotransmitter levels regulation of dendrite morphogenesis regulation of dendrite development positive regulation of protein heterooligomerization positive regulation of protein-containing complex assembly positive regulation of macrophage derived foam cell differentiation positive regulation of cysteine-type endopeptidase activity involved in apoptotic process positive regulation of cholesterol storage plasma lipoprotein particle clearance phosphatidic acid biosynthetic process phagocytosis, engulfment neural crest cell development nephron tubule development negative regulation of synaptic assembly at neuromuscular junction multicellular organismal reproductive proces leukotriene biosynthetic process hydrogen sulfide metabolic process histone ubiquitination hemolysis in another organism glucose transmembrane transport fructose transmembrane transport floor plate development determination of pancreatic left/right asymmetry determination of liver left/right asymmetry dehydroascorbic acid transport cytolysis cellular sulfide ion homeostasis cellular response to cGMP cellular detoxification of cadmium ion aromatic amino acid family metabolic process anaphase–promoting complex–dependent catabolic process vitamin B6 metabolic process type I pneumocyte differentiation trehalose transport transport transportation -Hsp70 protein binding transmembrane receptor protein tyrosine phosphatase signaling pathway
transformation of host cell by virus
subpallium development
stem vascular tissue pattern formation
spinal cord dorsal/ventral patterning
specification of proximal tubule identity
skin epidermis development
skeletal muscle satellite cell migration
rostrocaudal neural tube patterning
retrograde neuronal dense core vesicle transport acetylcholine receptor activity response to vanadate(response to resveratro response to melanocyte–stimulating hormone response to cisplatin response to inelativoyte—stitutating from the response to cisplatin response to cisplatin response to cisplatin regulation of the force of skeletal muscle contraction regulation of slow—twitch skeletal muscle fiber contraction regulation of myosin—light—chain—phosphatase activity regulation of meiotic nuclear division regulation of meiotic nuclear division regulation of heiotic nuclear division regulation of leukocyte chemotaxis regulation of leukocyte chemotaxis regulation of female gonad development regulation of female gonad development regulation of pNA endoreduplication regulation of DNA endoreduplication regulation of barbed—end actin filament capping regulation of adenylate cyclase—activating G protein—coupled receptor signaling pathway regulation of acetylcholine secretion, neurotransmission proximal/distal pattern formation involved in pronephric nephron development protein transport along microtubule protein transport along microtubule protein repair protei trehalose transmembrane transporter activity translation elongation factor binding -TORC2 complex binding soluble NSF attachment protein activity RNA-3'-phosphate cyclase activity protein localization to mitotic spindle pole body protein adenylylation proline catabolic process PTB domain binding protein adenylylation proline catabolic process positive regulation of transcription from RNA polymerase II promoter in response to stress positive regulation of transcription from RNA polymerase II promoter in response to heat stress positive regulation of TORC2 signaling positive regulation of TORC2 signaling positive regulation of tau-protein kinase activity positive regulation of synapse maturation positive regulation of synapse maturation positive regulation of RNA biosynthetic process positive regulation of RNA biosynthetic process positive regulation of respiratory burst positive regulation of protein—containing complex disassembly positive regulation of protein localization to nucleolus positive regulation of protein localization to nucleolus positive regulation of positive control of membrane positive regulation of mRNA polyadenylation positive regulation of mRNA polyadenylation positive regulation of megakaryocyte differentiation positive regulation of megakaryocyte differentiation positive regulation of impastary cell cycle positive regulation of impastary cell cycle positive regulation of impastary cycle differentiation positive regulation of impastary cell cycle positive regulation of impasture T cell cycle process in the cell cycle positive regulation of impasture T cell cycle process in the cell cycle positive regulation of impasture T cell cycle positive regulation in the impastance in the cell cycle positive regulation of impasture T cell cycle positive regulation of impasture T 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activity regulation of transporters activity lipoic acid binding leukotriene-A4 hydrolase activity isovaleryl–CoA dehydrogenase activity -Notch signaling pathway involved in arterial endothelial cell fate commitment neural nucleus development negative regulation of transcription from RNA polymerase II promoter involved in smooth muscle cell differentiation negative regulation of post-embryonic development negative regulation of post-embryonic development negative regulation of post-embryonic development negative regulation of interleukin-10 production negative regulation of interleukin-10 production negative regulation of glucagon secretion negative regulation of glucagon secretion negative regulation of glucagon secretion negative regulation of feeding behavior negative regulation of regulation of cellular response to transforming growth factor beta stimulus negative regulation of cardiac muscle cell differentiation negative regulation of appetite insulin-like growth factor II binding insulin-like growth factor I binding inositol phosphate phosphatase activity negative regulation of cardiac muscle cell differentiation of appetite negative regulation of actin filament binding negative regulation of actin filament binding muscle filament sliding muscle filament sliding muscle filament sliding methionyl-tRNA aminoacylation methionine catabolic process membrane depolarization during cardiac muscle cell action potential membrane depolarization leukocyte migration involved in inflammatory response leukocyte chemotaxis intercellular transport glutamate 5-kinase activity leukocyte chemotaxis intercellular transport induced systemic resistance hematopoietic stem cell migration hemangioblast cell differentiation hemangioblast cell differentiation green leaf volatile biosynthetic process glucosinolate biosynthetic process glucose 6-phosphate metabolic process glomus development glomus development forebrain neuron differentiation fatty acid derivative biosynthetic process endothelial tip cell fate specification embryonic liver development cytokinin transport cytogamy ether hydrolase activity cytokinin transport cytogamy craniofacial suture morphogenesis cotyledon vascular tissue pattern formation complement activation, classical pathway citrulline biosynthetic process chondrocyte intercalation involved in growth plate cartilage morphogenesis chemotaxis to folate cerebral cortex GABAergic interneuron fate commitment cerebellar Purkinje cell layer structural organization cerebellar molecular layer formation cerebellar cortex development cellular response to sodium arsenite cellular response to sodium arsenite cellular response to chemical stress cellular response to chemical stress cellular response to chemical stress deoxyhypusine synthase activity -D5 dopamine receptor binding -C-4 methylsterol oxidase activity butyryl-CoA dehydrogenase activity cellular response to chamical stress
cellular response to chemical stress
cellular defense response
cardiolipin acyl-chain remodeling
carbohydrate transmembrane transport
blastoderm segmentation adenylate cyclase activator activity 8-methylthiopropyl glucosinolate S-oxygenase activity antigen transcytosis by M cells in mucosal—associated lymphoid tissue
anterograde neuronal dense core vesicle transport
activation of transmembrane receptor protein tyrosine kinase activity
activation of phospholipase D activity
actin filament polymerization involved in mitotic actomyosin contractile ring assembly
actin cortical patch organization abscisic acid—activated signaling pathway -abscisic acid transport -4-hydroxyproline catabolic process -3-oxo-5-alpha-steroid 4-dehydrogenase activity 02468

0 5 10 15 20 25

identical protein binding oxidoreductase activity

transmembrane transporter activity

extracellular ligand-gated ion channel activity -

ubiquitin-protein transferase activator activity

acetylcholine-gated cation-selective channel activity

RNA polymerase II cis-regulatory region sequence-specific DNA binding

oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen

enzyme binding

iron ion binding -

FAD binding -

monooxygenase activity -

gated channel activity -

Wnt-protein binding -

PDZ domain binding -

Hsp90 protein binding -

cargo receptor activity -

amyloid-beta binding -

hydro-lyase activity -

sulfide:quinone oxidoreductase activity -

sugar transmembrane transporter activity -

low-density lipoprotein particle binding -

fructose transmembrane transporter activity

carbonate dehydratase activity -

protein adenylyltransferase activity -

maleylacetoacetate isomerase activity -

insulin receptor activity

hexokinase activity -

glucokinase activity -

fructokinase activity -

guanylate cyclase activator activity -

gamma-glutamylcyclotransferase activity -

ethanolaminephosphotransferase activity -

D–glucose transmembrane transporter activity -

4-methylthiopropyl glucosinolate S-oxygenase activity -3-phosphoinositide-dependent protein kinase binding -

peptide-methionine (R)-S-oxide reductase activity -

intracellular cAMP-activated cation channel activity -

hydroxymethylglutaryl-CoA reductase (NADPH) activity -

glutamate-5-semialdehyde dehydrogenase activity -

proline dehydrogenase activity -

hydrolase activity, hydrolyzing N-glycosyl compounds -

dehydroascorbic acid transmembrane transporter activity

1-acylglycerol-3-phosphate O-acyltransferase activity

RNA polymerase II intronic transcription regulatory region sequence–specific DNA binding -

oxidoreductase activity, acting on a sulfur group of donors, disulfide as acceptor -

glucose binding -

potassium channel activity -