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Upregulated Differentially Expressed Genes
                                                                    negative regulation of Wnt signaling pathway
                                                                          positive regulation of protein oxidation
                        regulation of adenylate cyclase-activating G protein-coupled receptor signaling pathway
                                                              negative regulation of regulated secretory pathway
                                                           cellular response to gonadotropin-releasing hormone
                                        positive regulation of protein insertion into mitochondrial outer membrane
                                                               GABAergic neuron differentiation in basal ganglia
                                                                                   vitamin B6 metabolic process
                                                                         specification of proximal tubule identity
negative regulation of transcription from RNA polymerase II promoter involved in smooth muscle cell differentiation
                                                               positive regulation of amacrine cell differentiation
                              negative regulation of cellular response to transforming growth factor beta stimulus
                                                        cerebral cortex GABAergic interneuron fate commitment
                                                                                  regulation of circadian rhythm
                                                                                           asexual reproduction
                                                                                peptidyl-arginine N-methylation
                                                                                      cellular defense response
                                      chondrocyte intercalation involved in growth plate cartilage morphogenesis
                                                              positive regulation of positive chemotaxis to cAMP
                                                                                            chemotaxis to folate
                                                               peptidyl-lysine modification to peptidyl-hypusine
                                    proximal/distal pattern formation involved in pronephric nephron development
                                                                  negative regulation of Notch signaling pathway
                                                                           activation of phospholipase D activity
                                                      negative regulation of chaperone-mediated protein folding
                                                                                        subpallium development
                                                                         oocyte dorsal/ventral axis specification
                                                                         positive regulation of TORC2 signaling
                                                                           regulation of DNA endoreduplication
                                                                    positive regulation of chemorepellent activity
                                                                  negative regulation of glucocorticoid secretion
                                                                                 forebrain neuron differentiation
                                                                            spinal cord dorsal/ventral patterning
                                                                             polyphosphate-mediated signaling
                                                                               hemangioblast cell differentiation
                                                                                      blastoderm segmentation
                                                                                           glomus development
                                                                               cardiolipin acyl-chain remodeling
                                                                                          leukocyte chemotaxis ·
                                                                                     cellular response to cGMP
                                                                                      inner ear morphogenesis
                                                                              craniofacial suture morphogenesis ·
                                                                                embryonic digit morphogenesis ·
                                                 negative regulation of glucocorticoid receptor signaling pathway
                                                                                regulation of fibroblast migration
                                            negative regulation of G protein-coupled receptor signaling pathway
                                                              molting cycle, collagen and cuticulin-based cuticle
                                                                                           protein adenylylation
                                                                                          bicarbonate transport
                                         negative regulation of vascular associated smooth muscle cell migration
                                                                                           ribosome biogenesis ·
                                                                                  phloem or xylem histogenesis ·
                                                                                coenzyme A metabolic process
                                                                                   protein heterooligomerization
                                                positive regulation of release of cytochrome c from mitochondria
                       positive regulation of oxidative stress-induced neuron intrinsic apoptotic signaling pathway
                                                                                         chromatin organization ·
                                                                  positive regulation of protein polyubiquitination ·
                                                                            cellular aldehyde metabolic process
                                                                                   cytosolic ribosome assembly
                                                         positive regulation of protein targeting to mitochondrion
                                                                                          glucose homeostasis
                                                                                     bone marrow development
                                                                                                                                                                                                           Biological Process
                                                                            regulation of Wnt signaling pathway
                                                                                    histone H4-K12 acetylation
                                                                  aggregation involved in sorocarp development -
                                                                 phosphatidylethanolamine biosynthetic process
                                                                                    histone H3-K14 acetylation
                                                                         negative regulation of circadian rhythm -
                                                     positive regulation of mitotic metaphase/anaphase transition -
                                         positive regulation of epidermal growth factor-activated receptor activity -
                                                                                   neutral amino acid transport.
                                                                                             head development
                                 positive regulation of transcription of nucleolar large rRNA by RNA polymerase I
                                                                                   spermidine catabolic process
                                                                                     tyrosine catabolic process
                                                                             L-phenylalanine catabolic process
                                                                               protein localization to endosome
                      negative regulation of RNA polymerase II regulatory region sequence-specific DNA binding
                                                               negative regulation of protein import into nucleus
                                               negative regulation of transcription regulatory region DNA binding
                                                                                inner cell mass cell proliferation
                                                                                   nucleotide metabolic process
                                                                         somite rostral/caudal axis specification
                                        regulation of proteasomal ubiquitin-dependent protein catabolic process
                                                                  auditory receptor cell stereocilium organization
                                                                         positive regulation of T cell proliferation
                                                                               posterior lateral line development
                                                            dolichol-linked oligosaccharide biosynthetic process
                                                                         aromatic amino acid metabolic process
                                                   regulation of cell migration involved in sprouting angiogenesis
                                                                                      response to carbohydrate
                                                                       regulation of development, heterochronic
                                                                           dorsal/ventral neural tube patterning
                                                          negative regulation of photoreceptor cell differentiation
                                                                       regulation of autophagy of mitochondrion
                                                                                          histone ubiquitination
                                                                                     mesodermal cell migration
                                                                positive regulation of cGMP-mediated signaling
                                                                  negative regulation of osteoclast development
                                                    anaphase-promoting complex-dependent catabolic process
                                                                         negative regulation of gluconeogenesis
                                                                                        histone H2A acetylation
                                                                                     histone H4-K8 acetylation
                                                                                     histone H4-K5 acetylation
                                                                                      maturation of SSU-rRNA
                                                     positive regulation of proteasomal protein catabolic process
                                                                                              suckling behavior
                                                                           neuromuscular synaptic transmission
                                                                                  nematode larval development
                                                                                embryonic limb morphogenesis
                                                                 positive regulation of protein metabolic process
                                                                                       Notch signaling pathway
                                                                                              platelet activation
                                                                                 Rho protein signal transduction
                                                       positive regulation of ubiquitin-protein transferase activity
                                                                         phosphatidylinositol metabolic process
                                                                                     regulation of TOR signaling
                                                                                        GTP metabolic process
                                                                                        floor plate development
                                              regulation of nucleobase-containing compound metabolic process
                                                            negative regulation of oligodendrocyte differentiation
                                                                                               rRNA processing
                                                                                    endothelial cell development
                                                                               negative regulation of proteolysis
                                             positive regulation of ubiquitin-dependent protein catabolic process
                                                                                    multicellular organism aging
                                      positive regulation of nucleobase-containing compound metabolic process
                                                                  entrainment of circadian clock by photoperiod
                                              negative regulation of synaptic assembly at neuromuscular junction
                                       negative regulation of vascular associated smooth muscle cell proliferation ·
                                                                                            Wnt-protein binding
                                                                          maleylacetoacetate isomerase activity
                                                                                 D5 dopamine receptor binding
                                                                                deoxyhypusine synthase activity
                                                                       ethanolaminephosphotransferase activity
                                                                             guanylate cyclase activator activity
                                                                             adenylate cyclase activator activity
                                                                             RNA-3'-phosphate cyclase activity
                                                                                    protein dimerization activity
                                                                         soluble NSF attachment protein activity
                                                              3-oxo-5-alpha-steroid 4-dehydrogenase activity
                                                                                       TORC2 complex binding ·
                                                         hydroxymethylglutaryl-CoA reductase (NADPH) activity
                       oxidoreductase activity, acting on the CH-OH group of donors, NAD or NADP as acceptor
                                        RNA polymerase II cis-regulatory region sequence-specific DNA binding ·
                                                                                                GTPase activity
                                                                              acetyltransferase activator activity
                                                          cytochrome-b5 reductase activity, acting on NAD(P)H
                                                                                                                                                                                                           Molecular Function
                                                                             protein adenylyltransferase activity
                                                                                        5'-nucleotidase activity
                                                                                         oxidoreductase activity
                                                                                      guanyl nucleotide binding
                                                                                                 protein binding
                                                                              phosphothreonine residue binding
                                                                G-protein beta/gamma-subunit complex binding
                                                                                         acyltransferase activity
                                                         hydroxymethyl-, formyl- and related transferase activity
                                                                                                   GTP binding
                                            DNA-binding transcription factor activity, RNA polymerase II-specific
                                                                                 glutathione transferase activity
                                                         1-acylglycerol-3-phosphate O-acyltransferase activity
                                                                                                    lipid binding
                                                          hydrolase activity, hydrolyzing N-glycosyl compounds
                                                                                  glutathione peroxidase activity
                                                                                      fucosyltransferase activity
                                                        neutral L-amino acid transmembrane transporter activity
                                                                   protein-arginine N-methyltransferase activity
                                                                          metalloendopeptidase inhibitor activity
                                                                                            hydro-lyase activity
                                                                   ubiquitin-protein transferase activator activity
                                              phosphotransferase activity, for other substituted phosphate groups
                                                                                          photoreceptor activity
                                                                                                                                                    -Log10 (pvalue)
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