TopGO P120 male GO enrichment analysis vacuolar proton-transporting V-type ATPase complex unfolded protein binding ubiquitin protein ligase binding type 3 metabotropic glutamate receptor binding tubulin N-acetyltransferase activity translation trans-synaptic signaling by trans-synaptic complex, modulati... trans-hexaprenyltranstransferase activity thioredoxin peroxidase activity telomerase holoenzyme complex assembly synaptic vesicle endocytosis synaptic membrane adhesion synapse · structural constituent of ribosome structural constituent of postsynaptic actin cytoskeleton SRP-dependent cotranslational protein targeting to membrane,... smooth endoplasmic reticulum single-stranded DNA endodeoxyribonuclease activity single strand break repair sialic acid binding sensory neuron axon guidance rRNA binding -Roundabout binding reproduction regulation of transepithelial transport regulation of synaptic transmission, glutamatergic regulation of norepinephrine uptake regulation of mRNA splicing, via spliceosome regulation of mitotic recombination regulation of DNA recombination proton-transporting V-type ATPase, V0 domain proton-transporting two-sector ATPase complex, proton-transp... proton-transporting ATPase activity, rotational mechanism protein stabilization protein folding protein domain specific binding protein binding presynaptic actin cytoskeleton pre-mRNA binding postsynaptic density protein 95 clustering postsynaptic density postsynaptic actin cytoskeleton positive regulation of telomerase RNA reverse transcriptase ... positive regulation of synaptic transmission positive regulation of organelle organization positive regulation of dendritic spine morphogenesis porin activity pore complex · phosphopyruvate hydratase complex peptide hormone receptor binding ornithine decarboxylase inhibitor activity opioid receptor binding nucleus nucleotide-excision repair factor 3 complex nucleotide-excision repair factor 2 complex nucleotide-excision repair factor 1 complex nucleotide-excision repair complex --log10(Fisher) nuclear receptor binding nuclear body nitric-oxide synthase regulator activity nitric-oxide synthase binding neuron recognition neuron migration negative regulation of retinal ganglion cell axon guidance negative regulation of protein polymerization negative regulation of neutrophil chemotaxis negative regulation of mRNA splicing, via spliceosome negative regulation of ion transmembrane transport negative regulation of elastin catabolic process Significant negative regulation of amyloid-beta formation myelin sheath adaxonal region myelin sheath mRNA export from nucleus mRNA binding mitochondrion transport along microtubule mitochondrial outer membrane mitochondrial large ribosomal subunit mitochondrial inner membrane mitochondrial genome maintenance mesaxon membrane raft mannosyltransferase activity laminin-1 binding ion channel regulator activity ion channel binding integrin alphav-beta3 complex integral component of postsynaptic membrane inner mitochondrial membrane organization induction of negative chemotaxis identical protein binding heparan sulfate proteoglycan binding GTPase inhibitor activity -GTP binding growth cone Golgi apparatus glutamatergic synapse glutamate receptor signaling pathway ganglioside GT1b binding -GABA-ergic synapse GABA-A receptor activity G-rich strand telomeric DNA binding endopeptidase inhibitor activity cytosolic small ribosomal subunit cytosolic large ribosomal subunit cytosol cytoplasmic translation corticospinal neuron axon guidance through spinal cord chromatin remodeling chromatin DNA binding central nervous system myelination cellular response to cytochalasin B cellular response to calcium ion cell redox homeostasis calyx of Held · calcium-dependent protein binding behavioral fear response basal body patch axonogenesis axon cytoplasm axon ATPase binding ATPase activator activity ATP synthesis coupled proton transport apical protein localization AMPA selective glutamate receptor signaling pathway alpha-catenin binding alpha–1,6–mannosyltransferase activity alpha-1,2-mannosyltransferase activity adenosine 5'-monophosphoramidase activity acetylcholine receptor inhibitor activity acetylcholine receptor binding [2Fe-2S] cluster assembly Astro Endo L2\_3\_IT Oligo Pvalb Sst Non\_neuronal

20

10

500

1000