Oxidative phosphorylation	EGG Pathway	Enrichment									
Maturity onset diabetes of the young - Transcriptional misregulation in cancer -											
Parkinson's disease - Signaling pathways regulating pluripotency of stem cells -						•					
Hippo signaling pathway					•	•					
Proteoglycans in cancer						•					
MicroRNAs in cancer- Cellular senescence-						•					
Hepatocellular carcinoma - Glioma -											
Melanoma - HTLV-I infection -											
Hedgehog signaling pathway - Gastric cancer -											_
Cell cycle - Bacterial invasion of epithelial cells -			•			•					
cAMP signaling pathway -											
cGMP–PKG signaling pathway - Shigellosis - Adherens junction -											
Arrhythmogenic right ventricular cardiomyopathy (ARVC) - Salmonella infection -											
Axon guidance - Leukocyte transendothelial migration -											
Endometrial cancer - Adrenergic signaling in cardiomyocytes -											
Cardiac muscle contraction - Aldosterone synthesis and secretion -											
Neurotrophin signaling pathway - Chronic myeloid leukemia -											
Insulin resistance - Rap1 signaling pathway -											
Prostate cancer											
Long-term potentiation - EGFR tyrosine kinase inhibitor resistance -											
Fc gamma R-mediated phagocytosis - Small cell lung cancer -											
MAPK signaling pathway - Platinum drug resistance -											
Colorectal cancer											
Focal adhesion											
Morphine addiction -											
Dopaminergic synapse											
Amphetamine addiction - GABAergic synapse -											
Circadian entrainment - Oxytocin signaling pathway -											
Gap junction - Nicotine addiction -											
Calcium signaling pathway - Dilated cardiomyopathy (DCM) - Estrogen signaling pathway -											
Gastric acid secretion -											
Inflammatory mediator regulation of TRP channels - Long-term depression -											
Longevity regulating pathway – multiple species - Glucagon signaling pathway -											n adjust
Serotonergic synapse											p.adjust - 0.04 - 0.03 - 0.02 - 0.01
Longevity regulating pathway - Oocyte meiosis -											GeneRatio ● 0.1 ● 0.2
Melanogenesis - Cortisol synthesis and secretion - FoxO signaling pathway -											
Cocaine addiction - HIF-1 signaling pathway -											
Hypertrophic cardiomyopathy (HCM) - Sphingolipid signaling pathway -											
GnRH signaling pathway - Vascular smooth muscle contraction -											
ErbB signaling pathway - Type II diabetes mellitus -											
Pancreatic secretion - AMPK signaling pathway -											
Platelet activation - Aldosterone-regulated sodium reabsorption -											
Neuroactive ligand–receptor interaction - Thyroid hormone signaling pathway - Glycosaminoglycan biosynthesis – heparan sulfate / heparin -											
Endocrine and other factor–regulated calcium reabsorption - Relaxin signaling pathway -											
Thyroid hormone synthesis											
Wnt signaling pathway - Hepatitis B -											
mTOR signaling pathway Valine, leucine and isoleucine degradation											
Apelin signaling pathway - Protein processing in endoplasmic reticulum - PI3K-Akt signaling pathway -											
Protein export - Breast cancer -											
Autophagy – animal - Renal cell carcinoma -											
Endocytosis - Pancreatic cancer -											
Hippo signaling pathway – multiple species -											
AGE-RAGE signaling pathway in diabetic complications -											
Ubiquitin mediated proteolysis - Ras signaling pathway -											
Vibrio cholerae infection											
Tryptophan metabolism - B cell receptor signaling pathway -											
Synthesis and degradation of ketone bodies - Purine metabolism -											
Endocrine resistance - Tight junction -											
p53 signaling pathway											
Lysine degradation - VEGF signaling pathway -											
Propanoate metabolism - One carbon pool by folate - Spliceosome -											
Spliceosome - Central carbon metabolism in cancer - Insulin signaling pathway -											
Nucleotide excision repair - Circadian rhythm -											
Carbon metabolism - Epithelial cell signaling in Helicobacter pylori infection -											
Alcoholism - Systemic lupus erythematosus -											
Taurine and hypotaurine metabolism - Basal cell carcinoma -											
Thyroid cancer											

transcription factor complex	ellular Compartment GO Er	nrichment										•		•		
postsynapse																
asymmetric synapse																
postsynaptic membrane																
lamellipodium																
excitatory synapse																
growth cone																
cell-cell adherens junction myelin sheath ATPase complex																
exocytic vesicle																
AP-2 adaptor complex- clathrin coat of endocytic vesicle- membrane raft-																
membrane microdomain integral component of synaptic vesicle membrane cation-transporting ATPase complex																
axolemma																
clathrin coat of coated pit- transporter complex- clathrin-coated pit-																
leading edge membrane presynapse intrinsic component of synaptic vesicle membrane ATPase dependent transmembrane transport complex																
clathrin vesicle coat- integral component of organelle membrane- intrinsic component of organelle membrane-																
clathrin adaptor complex- neuronal cell body- cell body- basolateral plasma membrane-																
neuron projection membrane																
ion channel complex																
cation channel complex-calcium channel complex-presynaptic active zone-																
transport vesicle																
ciliary rootlet actin cytoskeleton neuron projection terminus clathrin–sculpted vesicle																
cytoplasmic side of membrane																
ionotropic glutamate receptor complex- intrinsic component of the cytoplasmic side of the plasma membrane neurotransmitter receptor complex-																
neurotransmitter receptor complex- apical part of cell- clathrin-coated vesicle membrane- histone deacetylase complex-																
protein serine/threonine phosphatase complex- phosphatase complex- presynaptic membrane-																
potassium channel complex- voltage-gated potassium channel complex- axon terminus- AMPA glutamate receptor complex-																
dendritic shaft - cytoplasmic region - receptor complex -																
cell projection cytoplasm- protein phosphatase type 2A complex- terminal bouton- inclusion body-																
dendrite membrane GABA receptor complex nuclear periphery																
transport vesicle membrane plasma membrane receptor complex GABA-A receptor complex nuclear membrane																
cell cortex- perikaryon- nuclear membrane-																p.adjust
cell projection membrane - cell-substrate junction - cortical cytoskeleton -								•								GeneRatio
nuclear envelope																1.00
centrosome																
chromosome, centromeric region focal adhesion cell-substrate adherens junction																
spindle pole																
microtubule organizing center part- coated vesicle- endoribonuclease complex- endonuclease complex-																
polysome																
occluding junction ubiquitin ligase complex cytoplasmic dynein complex																
transferase complex, transferring phosphorus—containing groups— PcG protein complex— centriole— apical junction complex—																
mitotic spindle																
bicellular tight junction— kinetochore— microtubule associated complex— RISC complex—																
condensed chromosome kinetochore condensed chromosome, centromeric region COPII-coated ER to Golgi transport vesicle																
cis-Golgi network- ribonucleoprotein granule- dynein complex- early endosome-																
cytoplasmic ribonucleoprotein granule																
Cul4–RING E3 ubiquitin ligase complex—P–body—SCF ubiquitin ligase complex—actin–based cell projection—																
actomyosin																
RNA polymerase II transcription factor complex host host of host cell Golgi-associated vesicle																
ruffle																
endoplasmic reticulum tubular network- protein acetyltransferase complex- acetyltransferase complex- Golgi stack-																
cytoplasmic stress granule integral component of Golgi membrane NMDA selective glutamate receptor complex																
mRNA cap binding complex- endosome membrane- methyltransferase complex- cyclin-dependent protein kinase holoenzyme complex-																
cyclin-dependent protein kinase holoenzyme complexendosomal part-coated vesicle membrane other organism-																
other organism cell- other organism part- invadopodium-																
trans-Golgi network- endoplasmic reticulum quality control compartment- peroxisomal membrane- microbody membrane-																
actin filament bundle intrinsic component of Golgi membrane ciliary part																
ciliary basal body early endosome membrane late endosome nuclear pore																
nuclear pore- ESC/E(Z) complex- ciliary tip- nucleolar part-																
nuclear chromatin - complex of collagen trimers - sarcolemma -																
protein phosphatase type 1 complex- axonemal dynein complex- histone methyltransferase complex- nucleosome-																
DNA packaging complex- protein-DNA complex- fascia adherens-																
catenin complex-All:PrenataARd	Psterrædædd MRebustromstæ Gallas Godsian st. (294) (3	i itobehbecuncuniSkiis 21) (78	ar foresædskædin 8) (14	eonos moo Newm 47) (1	്താനാതാരി (8	ataboo@hia 69) (:normon\denuomic 1365) (85	, ncnBd3:teaætabl 599) (7	Neustonatsa Ghide Octionata Ghield (72) (72) (72)	Aber Ornean (3 tizal vi 89) (*	Robernani Sali adur Nati i R ice Galita. I Nice. 77) (67) (8	i non Brien Brei 36) (*	næælene oca Gring: Proene telle Ru 79) (88) (1	pemætaduRvekke 29) (*	autalons:0 1)	Glia.Neuron

