carbohydrate metabolic process differentiation cell motility	positive regulation of glycogen biosynthetic process negative regulation of macrophage derived foam cell differentiation skeletal muscle satellite cell migration regulation of fibroblast migration regulation of fibroblast migration regulation of fibroblast migration ornithine biosynthetic process methonine catabolic process retrouved for the fibroblast migration regulation of fibroblast migration regulation of fibroblast migration regulation of acadolic process retrouved foams cell migration regulation catabolic process retrouved foams cell migration			catalytic DNA activity, acting on binding	RNA-3'-phosphate cyclase activity methionine-tRNA ligase activity RNA polymerase II cis-regulatory region sequence-specific DNA binding RNA polymerase II intronic transcription regulatory region sequence-specific DNA binding hydrolase activity, hydrolyzing N-glycosyl compounds	
cytoskeleton organization detoxification repair	mitotic spindle assembly cellular detoxification of cadmium ion negative regulation of double-strand break repair via nonhomologous end joining	over_represented_pvalue 0.04 0.03 0.02 0.01		hydrolase activity	leukotriene–A4 hydrolase activity epoxide hydrolase activity 5'–nucleotidase activity	over_represented_pvalue 0.04 0.03 0.02 0.01
air replication immune system process t	DNA double-strand break processing involved in repair via single-strand annealing regulation of DNA endoreduplication leukocyte migration involved in inflammatory response complement activation, classical pathway regulation of mast cell activation			lipid binding	lipoic acid binding	
protein metabolic crotubule-bas movement	positive regulation of protein insertion into mitochondrial outer membrane green leaf volatile biosynthetic process phosphatidic acid biosynthetic process positive regulation of fatty acid oxidation cardiolipin acyl—chain remodeling steroid metabolic process N—acylphosphatidylethanolamine metabolic process maintenance of ciliary planar beating movement pattern retrograde neuronal dense core vesicle transport anterograde neuronal dense core vesicle transport protein transport along microtubule			lyase activity	carbonate dehydratase activity gamma-glutamylcyclotransferase activity	
mRNA metabolic process	positive regulation of mRNA polyadenylation regulation of the force of skeletal muscle contraction regulation of slow–twitch skeletal muscle fiber contraction muscle filament sliding transition between fast and slow fiber sensory perception of taste			molecular function regulator	ubiquitin-protein transferase activator activity guanylate cyclase activator activity adenylate cyclase activator activity acetyltransferase activator activity	
programmed cell death	peroxisome fission negative regulation of hydrogen peroxide-mediated programmed cell death			ılar cer ty	acetylcholine receptor activity	
protein catabolic folding protein maturation	-anaphase-promoting complex-dependent catabolic process -negative regulation of chaperone-mediated protein folding -zymogen activation			oxidoreductase activity	sulfide:quinone oxidoreductase activity 8-methylthiopropyl glucosinolate S-oxygenase activity 4-methylthiopropyl glucosinolate S-oxygenase activity C-4 methylsterol oxidase activity glutamate-5-semialdehyde dehydrogenase activity 3-oxo-5-alpha-steroid 4-dehydrogenase activity isovaleryl-CoA dehydrogenase activity butyryl-CoA dehydrogenase activity proline dehydrogenase activity hydroxymethylglutaryl-CoA reductase (NADPH) activity peptide-methionine (R)-S-oxide reductase activity oxidoreductase activity, acting on a sulfur group of donors, disulfide as acceptor oxidoreductase activity, acting on the CH-CH group of donors	
regulat of transcrip DNA-1	regulation of myosin–light–chain–phosphatase activity histone acetylation protein adenylylation protein heterooligomerization protein homotrimerization cellular protein–containing complex assembly radial spoke assembly protein tetramerization 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			D:	regulatory RNA binding	
reproductive signaling process	multicellular organismal reproductive process male meiosis I positive regulation of meiotic cell cycle sexual reproduction regulation of meiotic nuclear division regulation of meiotic nuclear division sexual reproduction regulation of meiotic nuclear division regulation of meiotic nuclear division sexual reproduction regulation of meiotic nuclear division regulatio			transferase activity	1-acylglycerol-3-phosphate O-acyltransferase activity ethanolaminephosphotransferase activity MAP kinase kinase activity diamine N-acetyltransferase activity glutamate 5-kinase activity glucokinase activity fructokinase activity hexokinase activity methionine adenosyltransferase activity insulin-activated receptor activity protein adenylyltransferase activity	
ransmembrand transport	hydrogen sulfide metabolic process sulfide oxidation, using sulfide:quinone oxidoreductase glutathione biosynthetic process glucosinolate biosynthetic process S—adenosylmethionine biosynthetic process t—circle formation telomeric D—loop disassembly fructose transmembrane transport glucose transmembrane transport carbohydrate transmembrane transport inorganic cation transmembrane transport negative regulation of regulated secretory pathway			transporter activity	sugar transmembrane transporter activity fructose transmembrane transporter activity gated channel activity dehydroascorbic acid transmembrane transporter activity acetylcholine–gated cation–selective channel activity transmembrane transporter activity D–glucose transmembrane transporter activity trehalose transmembrane transporter activity phosphatidic acid transfer activity extracellular ligand–gated ion channel activity	
vitamin metabolic process NA P	negative regulation of regulated secretory pathway phagocytosis, engulfment endocytosis vesicle docking vitamin B6 metabolic process		MF	NA .	glucose binding cargo receptor activity FAD binding oxidoreductase activity low-density lipoprotein particle binding amyloid-beta binding Hsp90 protein binding D5 dopamine receptor binding translation elongation factor binding insulin-like growth factor II binding identical protein binding 3-phosphoinositide-dependent protein kinase binding insulin-like growth factor I binding I-B domain binding Hsp70 protein binding I-B domain	