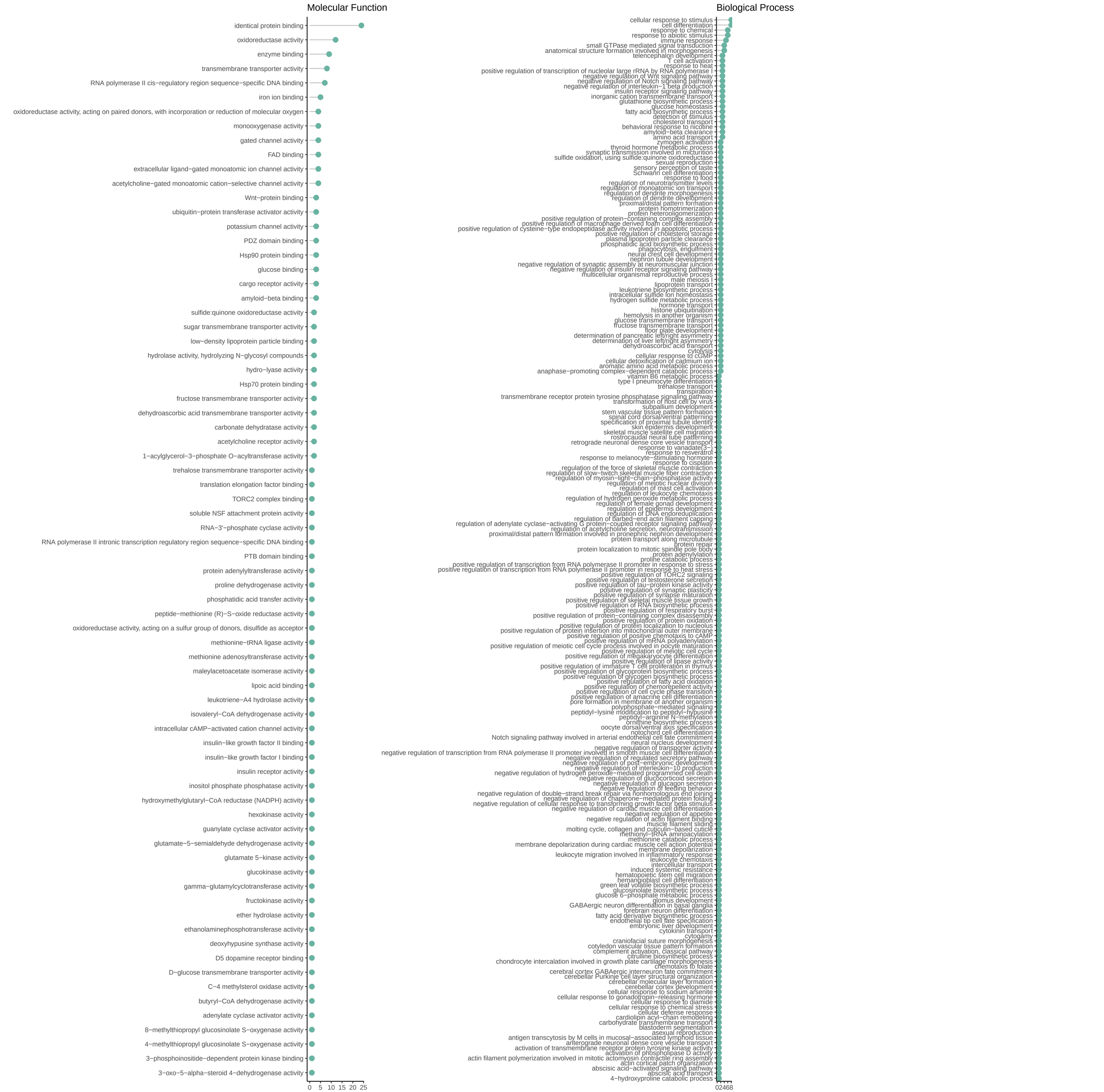
Molecular Function
identical protein binding
oxidoreductase activity
enzyme binding
transmembrane transporter activity
RNA polymerase II cis−regulatory region sequence−specific DNA binding
iron ion binding
oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen
monooxygenase activity
gated channel activity
FAD binding
extracellular ligand−gated monoatomic ion channel activity
acetylcholine−gated monoatomic cation−selective channel activity
Wnt−protein binding
ubiquitin−protein transferase activator activity
potassium channel activity
PDZ domain binding
Hsp90 protein binding
glucose binding
cargo receptor activity
amyloid−beta binding
sulfide:quinone oxidoreductase activity
sugar transmembrane transporter activity
low−density lipoprotein particle binding
hydrolase activity, hydrolyzing N−glycosyl compounds
hydro−lyase activity
Hsp70 protein binding
fructose transmembrane transporter activity
dehydroascorbic acid transmembrane transporter activity
carbonate dehydratase activity
acetylcholine receptor activity
1−acylglycerol−3−phosphate O−acyltransferase activity
trehalose transmembrane transporter activity
translation elongation factor binding
TORC2 complex binding
soluble NSF attachment protein activity
RNA−3'−phosphate cyclase activity
RNA polymerase II intronic transcription regulatory region sequence−specific DNA binding
PTB domain binding
protein adenylyltransferase activity
proline dehydrogenase activity
phosphatidic acid transfer activity
peptide−methionine (R)−S−oxide reductase activity
oxidoreductase activity, acting on a sulfur group of donors, disulfide as acceptor
methionine−tRNA ligase activity
methionine adenosyltransferase activity
maleylacetoacetate isomerase activity
lipoic acid binding
leukotriene−A4 hydrolase activity
isovaleryl−CoA dehydrogenase activity
intracellular cAMP−activated cation channel activity
insulin−like growth factor II binding
insulin−like growth factor I binding
insulin receptor activity
inositol phosphate phosphatase activity
hydroxymethylglutaryl−CoA reductase (NADPH) activity
hexokinase activity
guanylate cyclase activator activity
glutamate−5−semialdehyde dehydrogenase activity
glutamate 5−kinase activity
glucokinase activity
gamma−glutamylcyclotransferase activity
fructokinase activity
ether hydrolase activity
ethanolaminephosphotransferase activity
deoxyhypusine synthase activity
D5 dopamine receptor binding
D−glucose transmembrane transporter activity
C−4 methylsterol oxidase activity
butyryl−CoA dehydrogenase activity
adenylate cyclase activator activity
8−methylthiopropyl glucosinolate S−oxygenase activity
4−methylthiopropyl glucosinolate S−oxygenase activity
3−phosphoinositide−dependent protein kinase binding
3−oxo−5−alpha−steroid 4−dehydrogenase activity
0
5
10
15
20
25
Biological Process
cellular response to stimulus
cell differentiation
response to chemical
response to abiotic stimulus
immune response
small GTPase mediated signal transduction
anatomical structure formation involved in morphogenesis
telencephalon development
T cell activation
response to heat
positive regulation of transcription of nucleolar large rRNA by RNA polymerase I
negative regulation of Wnt 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
sensory perception of taste
Schwann cell differentiation
response to food
regulation of neurotransmitter levels
regulation of monoatomic ion transport
regulation of dendrite morphogenesis
regulation of dendrite development
proximal/distal pattern formation
protein homotrimerization
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
negative regulation of insulin receptor signaling pathway
multicellular organismal reproductive process
male meiosis I
lipoprotein transport
leukotriene biosynthetic process
intracellular sulfide ion homeostasis
hydrogen sulfide metabolic process
hormone transport
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 response to cGMP
cellular detoxification of cadmium ion
aromatic amino acid metabolic process
anaphase−promoting complex−dependent catabolic process
vitamin B6 metabolic process
type I pneumocyte differentiation
trehalose transport
transpiration
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
response to vanadate(3−)
response to resveratrol
response to melanocyte−stimulating hormone
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 mast cell activation
regulation of leukocyte chemotaxis
regulation of hydrogen peroxide metabolic process
regulation of female gonad development
regulation of epidermis development
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 repair
protein localization to mitotic spindle pole body
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 testosterone secretion
positive regulation of tau−protein kinase activity
positive regulation of synaptic plasticity
positive regulation of synapse maturation
positive regulation of skeletal muscle tissue growth
positive regulation of RNA biosynthetic process
positive regulation of respiratory burst
positive regulation of protein−containing complex disassembly
positive regulation of protein oxidation
positive regulation of protein localization to nucleolus
positive regulation of protein insertion into mitochondrial outer membrane
positive regulation of positive chemotaxis to cAMP
positive regulation of mRNA polyadenylation
positive regulation of meiotic cell cycle process involved in oocyte maturation
positive regulation of meiotic cell cycle
positive regulation of megakaryocyte differentiation
positive regulation of lipase activity
positive regulation of immature T cell proliferation in thymus
positive regulation of glycoprotein biosynthetic process
positive regulation of glycogen biosynthetic process
positive regulation of fatty acid oxidation
positive regulation of chemorepellent activity
positive regulation of cell cycle phase transition
positive regulation of amacrine cell differentiation
pore formation in membrane of another organism
polyphosphate−mediated signaling
peptidyl−lysine modification to peptidyl−hypusine
peptidyl−arginine N−methylation
ornithine biosynthetic process
oocyte dorsal/ventral axis specification
notochord cell differentiation
Notch signaling pathway involved in arterial endothelial cell fate commitment
neural nucleus development
negative regulation of transporter activity
negative regulation of transcription from RNA polymerase II promoter involved in smooth muscle cell differentiation
negative regulation of regulated secretory pathway
negative regulation of post−embryonic development
negative regulation of interleukin−10 production
negative regulation of hydrogen peroxide−mediated programmed cell death
negative regulation of glucocorticoid secretion
negative regulation of glucagon secretion
negative regulation of feeding behavior
negative regulation of double−strand break repair via nonhomologous end joining
negative regulation of chaperone−mediated protein folding
negative regulation of cellular response to transforming growth factor beta stimulus
negative regulation of cardiac muscle cell differentiation
negative regulation of appetite
negative regulation of actin filament binding
muscle filament sliding
molting cycle, collagen and cuticulin−based cuticle
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
induced systemic resistance
hematopoietic stem cell migration
hemangioblast cell differentiation
green leaf volatile biosynthetic process
glucosinolate biosynthetic process
glucose 6−phosphate metabolic process
glomus development
GABAergic neuron differentiation in basal ganglia
forebrain neuron differentiation
fatty acid derivative biosynthetic process
endothelial tip cell fate specification
embryonic liver development
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 gonadotropin−releasing hormone
cellular response to diamide
cellular response to chemical stress
cellular defense response
cardiolipin acyl−chain remodeling
carbohydrate transmembrane transport
blastoderm segmentation
asexual reproduction
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
0
2
4
6
8