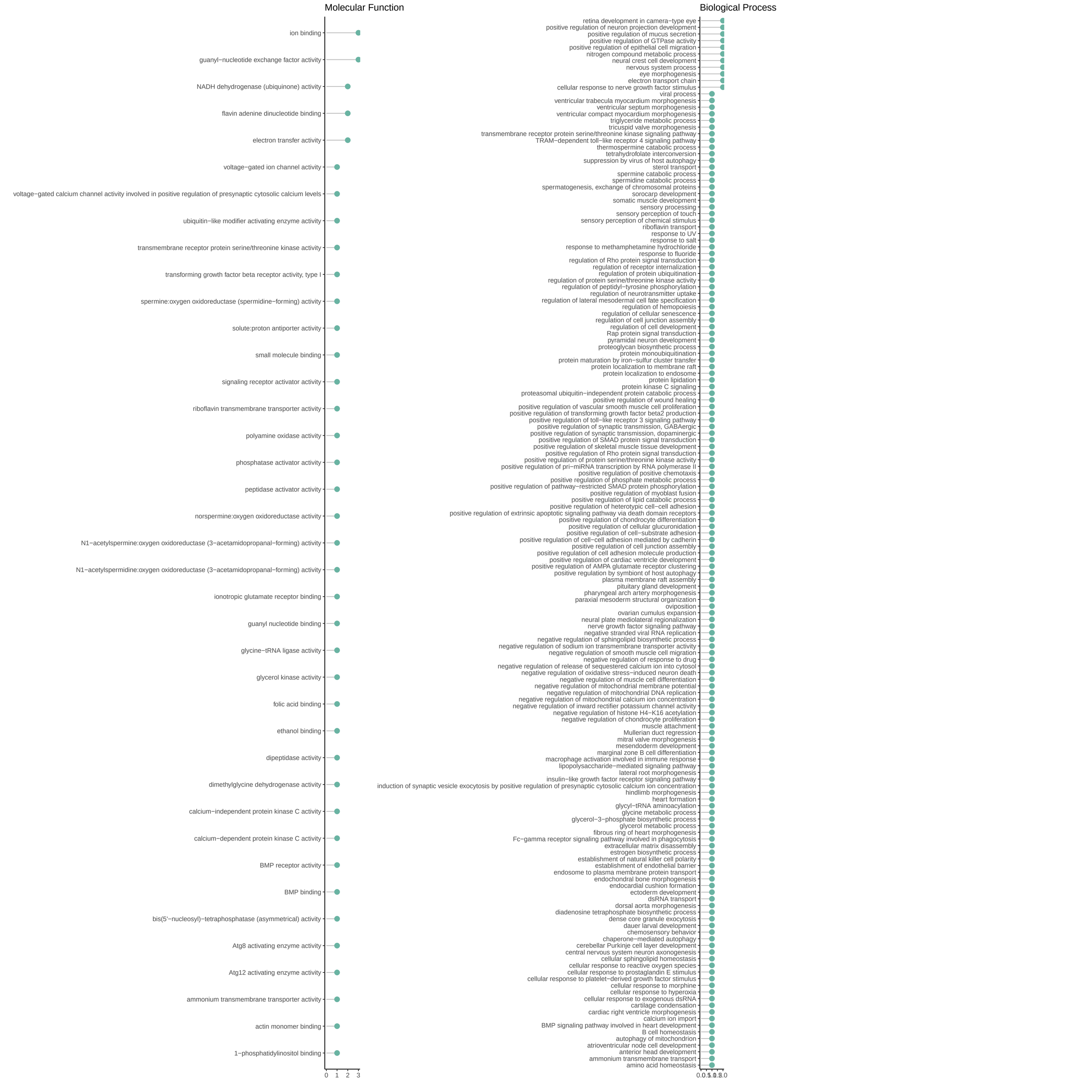
Molecular Function
ion binding
guanyl−nucleotide exchange factor activity
NADH dehydrogenase (ubiquinone) activity
flavin adenine dinucleotide binding
electron transfer activity
voltage−gated ion channel activity
voltage−gated calcium channel activity involved in positive regulation of presynaptic cytosolic calcium levels
ubiquitin−like modifier activating enzyme activity
transmembrane receptor protein serine/threonine kinase activity
transforming growth factor beta receptor activity, type I
spermine:oxygen oxidoreductase (spermidine−forming) activity
solute:proton antiporter activity
small molecule binding
signaling receptor activator activity
riboflavin transmembrane transporter activity
polyamine oxidase activity
phosphatase activator activity
peptidase activator activity
norspermine:oxygen oxidoreductase activity
N1−acetylspermine:oxygen oxidoreductase (3−acetamidopropanal−forming) activity
N1−acetylspermidine:oxygen oxidoreductase (3−acetamidopropanal−forming) activity
ionotropic glutamate receptor binding
guanyl nucleotide binding
glycine−tRNA ligase activity
glycerol kinase activity
folic acid binding
ethanol binding
dipeptidase activity
dimethylglycine dehydrogenase activity
calcium−independent protein kinase C activity
calcium−dependent protein kinase C activity
BMP receptor activity
BMP binding
bis(5'−nucleosyl)−tetraphosphatase (asymmetrical) activity
Atg8 activating enzyme activity
Atg12 activating enzyme activity
ammonium transmembrane transporter activity
actin monomer binding
1−phosphatidylinositol binding
0
1
2
3
Biological Process
retina development in camera−type eye
positive regulation of neuron projection development
positive regulation of mucus secretion
positive regulation of GTPase activity
positive regulation of epithelial cell migration
nitrogen compound metabolic process
neural crest cell development
nervous system process
eye morphogenesis
electron transport chain
cellular response to nerve growth factor stimulus
viral process
ventricular trabecula myocardium morphogenesis
ventricular septum morphogenesis
ventricular compact myocardium morphogenesis
triglyceride metabolic process
tricuspid valve morphogenesis
transmembrane receptor protein serine/threonine kinase signaling pathway
TRAM−dependent toll−like receptor 4 signaling pathway
thermospermine catabolic process
tetrahydrofolate interconversion
suppression by virus of host autophagy
sterol transport
spermine catabolic process
spermidine catabolic process
spermatogenesis, exchange of chromosomal proteins
sorocarp development
somatic muscle development
sensory processing
sensory perception of touch
sensory perception of chemical stimulus
riboflavin transport
response to UV
response to salt
response to methamphetamine hydrochloride
response to fluoride
regulation of Rho protein signal transduction
regulation of receptor internalization
regulation of protein ubiquitination
regulation of protein serine/threonine kinase activity
regulation of peptidyl−tyrosine phosphorylation
regulation of neurotransmitter uptake
regulation of lateral mesodermal cell fate specification
regulation of hemopoiesis
regulation of cellular senescence
regulation of cell junction assembly
regulation of cell development
Rap protein signal transduction
pyramidal neuron development
proteoglycan biosynthetic process
protein monoubiquitination
protein maturation by iron−sulfur cluster transfer
protein localization to membrane raft
protein localization to endosome
protein lipidation
protein kinase C signaling
proteasomal ubiquitin−independent protein catabolic process
positive regulation of wound healing
positive regulation of vascular smooth muscle cell proliferation
positive regulation of transforming growth factor beta2 production
positive regulation of toll−like receptor 3 signaling pathway
positive regulation of synaptic transmission, GABAergic
positive regulation of synaptic transmission, dopaminergic
positive regulation of SMAD protein signal transduction
positive regulation of skeletal muscle tissue development
positive regulation of Rho protein signal transduction
positive regulation of protein serine/threonine kinase activity
positive regulation of pri−miRNA transcription by RNA polymerase II
positive regulation of positive chemotaxis
positive regulation of phosphate metabolic process
positive regulation of pathway−restricted SMAD protein phosphorylation
positive regulation of myoblast fusion
positive regulation of lipid catabolic process
positive regulation of heterotypic cell−cell adhesion
positive regulation of extrinsic apoptotic signaling pathway via death domain receptors
positive regulation of chondrocyte differentiation
positive regulation of cellular glucuronidation
positive regulation of cell−substrate adhesion
positive regulation of cell−cell adhesion mediated by cadherin
positive regulation of cell junction assembly
positive regulation of cell adhesion molecule production
positive regulation of cardiac ventricle development
positive regulation of AMPA glutamate receptor clustering
positive regulation by symbiont of host autophagy
plasma membrane raft assembly
pituitary gland development
pharyngeal arch artery morphogenesis
paraxial mesoderm structural organization
oviposition
ovarian cumulus expansion
neural plate mediolateral regionalization
nerve growth factor signaling pathway
negative stranded viral RNA replication
negative regulation of sphingolipid biosynthetic process
negative regulation of sodium ion transmembrane transporter activity
negative regulation of smooth muscle cell migration
negative regulation of response to drug
negative regulation of release of sequestered calcium ion into cytosol
negative regulation of oxidative stress−induced neuron death
negative regulation of muscle cell differentiation
negative regulation of mitochondrial membrane potential
negative regulation of mitochondrial DNA replication
negative regulation of mitochondrial calcium ion concentration
negative regulation of inward rectifier potassium channel activity
negative regulation of histone H4−K16 acetylation
negative regulation of chondrocyte proliferation
muscle attachment
Mullerian duct regression
mitral valve morphogenesis
mesendoderm development
marginal zone B cell differentiation
macrophage activation involved in immune response
lipopolysaccharide−mediated signaling pathway
lateral root morphogenesis
insulin−like growth factor receptor signaling pathway
induction of synaptic vesicle exocytosis by positive regulation of presynaptic cytosolic calcium ion concentration
hindlimb morphogenesis
heart formation
glycyl−tRNA aminoacylation
glycine metabolic process
glycerol−3−phosphate biosynthetic process
glycerol metabolic process
fibrous ring of heart morphogenesis
Fc−gamma receptor signaling pathway involved in phagocytosis
extracellular matrix disassembly
estrogen biosynthetic process
establishment of natural killer cell polarity
establishment of endothelial barrier
endosome to plasma membrane protein transport
endochondral bone morphogenesis
endocardial cushion formation
ectoderm development
dsRNA transport
dorsal aorta morphogenesis
diadenosine tetraphosphate biosynthetic process
dense core granule exocytosis
dauer larval development
chemosensory behavior
chaperone−mediated autophagy
cerebellar Purkinje cell layer development
central nervous system neuron axonogenesis
cellular sphingolipid homeostasis
cellular response to reactive oxygen species
cellular response to prostaglandin E stimulus
cellular response to platelet−derived growth factor stimulus
cellular response to morphine
cellular response to hyperoxia
cellular response to exogenous dsRNA
cartilage condensation
cardiac right ventricle morphogenesis
calcium ion import
BMP signaling pathway involved in heart development
B cell homeostasis
autophagy of mitochondrion
atrioventricular node cell development
anterior head development
ammonium transmembrane transport
amino acid homeostasis
0.0
0.5
1.0
1.5
2.0