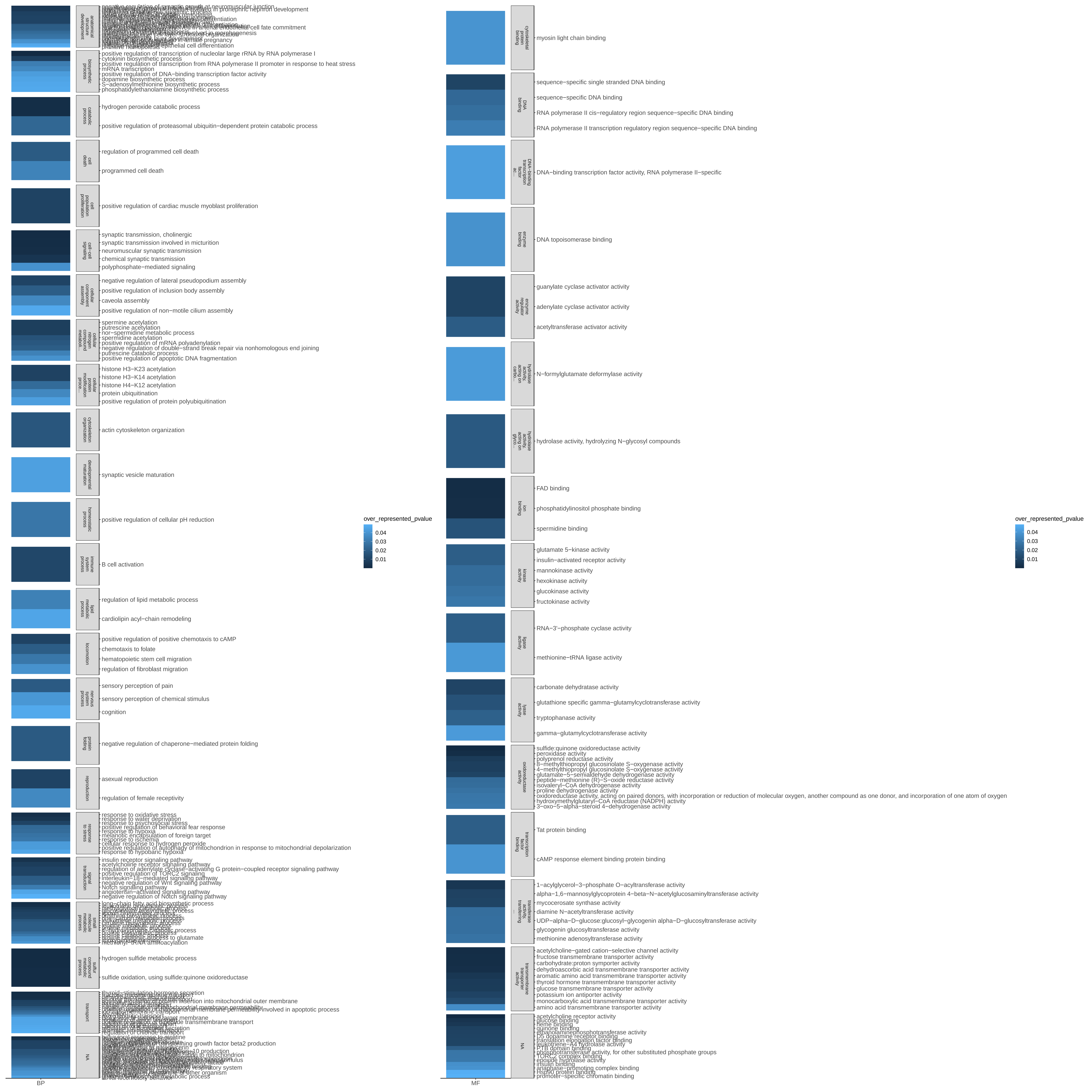

over_represented_pvalue
0.04
0.03
0.02
0.01
BP
MF
anatomical structure development
negative regulation of synaptic growth at neuromuscular junction
positive regulation of arterial endothelial cell fate commitment
positive regulation of epithelial cell differentiation
biosynthetic process
positive regulation of transcription of nucleolar large rRNA by RNA polymerase I
cytokinin biosynthetic process
positive regulation of transcription from RNA polymerase II promoter in response to heat stress
mRNA transcription
positive regulation of DNA−binding transcription factor activity
dopamine biosynthetic process
S−adenosylmethionine biosynthetic process
phosphatidylethanolamine biosynthetic process
catabolic process
hydrogen peroxide catabolic process
positive regulation of proteasomal ubiquitin−dependent protein catabolic process
cell death
regulation of programmed cell death
programmed cell death
cell population proliferation
positive regulation of cardiac muscle myoblast proliferation
cell−cell signaling
synaptic transmission, cholinergic
synaptic transmission involved in micturition
neuromuscular synaptic transmission
chemical synaptic transmission
polyphosphate−mediated signaling
cellular component assembly
negative regulation of lateral pseudopodium assembly
positive regulation of inclusion body assembly
caveola assembly
positive regulation of non−motile cilium assembly
cellular nitrogen compound metaboli...
spermine acetylation
putrescine acetylation
nor−spermidine metabolic process
spermidine acetylation
positive regulation of mRNA polyadenylation
negative regulation of double−strand break repair via nonhomologous end joining
putrescine catabolic process
positive regulation of apoptotic DNA fragmentation
cellular protein modification proc...
histone H3−K23 acetylation
histone H3−K14 acetylation
histone H4−K12 acetylation
protein ubiquitination
positive regulation of protein polyubiquitination
cytoskeleton organization
actin cytoskeleton organization
developmental maturation
synaptic vesicle maturation
homeostatic process
positive regulation of cellular pH reduction
immune system process
B cell activation
lipid metabolic process
regulation of lipid metabolic process
cardiolipin acyl−chain remodeling
locomotion
positive regulation of positive chemotaxis to cAMP
chemotaxis to folate
hematopoietic stem cell migration
regulation of fibroblast migration
nervous system process
sensory perception of pain
sensory perception of chemical stimulus
cognition
protein folding
negative regulation of chaperone−mediated protein folding
reproduction
asexual reproduction
regulation of female receptivity
response to stress
response to oxidative stress
response to water deprivation
response to psychosocial stress
positive regulation of behavioral fear response
response to hypoxia
melanotic encapsulation of foreign target
response to ischemia
cellular response to hydrogen peroxide
positive regulation of autophagy of mitochondrion in response to mitochondrial depolarization
response to hypobaric hypoxia
signal transduction
insulin receptor signaling pathway
acetylcholine receptor signaling pathway
regulation of adenylate cyclase−activating G protein−coupled receptor signaling pathway
positive regulation of TORC2 signaling
interleukin−18−mediated signaling pathway
negative regulation of Wnt signaling pathway
Notch signaling pathway
angiotensin−activated signaling pathway
negative regulation of Notch signaling pathway
small molecule metabolic process
long−chain fatty acid biosynthetic process
methionyl−tRNA aminoacylation
sulfur compound metabolic process
hydrogen sulfide metabolic process
sulfide oxidation, using sulfide:quinone oxidoreductase
transport
thyroid−stimulating hormone secretion
NA
Cytoskeletal protein binding
myosin light chain binding
DNA binding
sequence−specific single stranded DNA binding
sequence−specific DNA binding
RNA polymerase II cis−regulatory region sequence−specific DNA binding
RNA polymerase II transcription regulatory region sequence−specific DNA binding
DNA−binding transcription factor ac...
DNA−binding transcription factor activity, RNA polymerase II−specific
enzyme binding
DNA topoisomerase binding
enzyme regulator activity
guanylate cyclase activator activity
adenylate cyclase activator activity
acetyltransferase activator activity
hydrolase activity, acting on carbo...
N−formylglutamate deformylase activity
hydrolase activity, acting on glyco...
hydrolase activity, hydrolyzing N−glycosyl compounds
ion binding
FAD binding
phosphatidylinositol phosphate binding
spermidine binding
kinase activity
glutamate 5−kinase activity
insulin−activated receptor activity
mannokinase activity
hexokinase activity
glucokinase activity
fructokinase activity
ligase activity
RNA−3'−phosphate cyclase activity
methionine−tRNA ligase activity
lyase activity
carbonate dehydratase activity
glutathione specific gamma−glutamylcyclotransferase activity
tryptophanase activity
gamma−glutamylcyclotransferase activity
oxidoreductase activity
sulfide:quinone oxidoreductase activity
peroxidase activity
polyprenol reductase activity
8−methylthiopropyl glucosinolate S−oxygenase activity
4−methylthiopropyl glucosinolate S−oxygenase activity
glutamate−5−semialdehyde dehydrogenase activity
peptide−methionine (R)−S−oxide reductase activity
isovaleryl−CoA dehydrogenase activity
proline dehydrogenase activity
oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, another compound as one donor, and incorporation of one atom of oxygen
hydroxymethylglutaryl−CoA reductase (NADPH) activity
3−oxo−5−alpha−steroid 4−dehydrogenase activity
transcription factor binding
Tat protein binding
cAMP response element binding protein binding
transferase activity, transferring ...
1−acylglycerol−3−phosphate O−acyltransferase activity
alpha−1,6−mannosylglycoprotein 4−beta−N−acetylglucosaminyltransferase activity
mycocerosate synthase activity
diamine N−acetyltransferase activity
UDP−alpha−D−glucose:glucosyl−glycogenin alpha−D−glucosyltransferase activity
glycogenin glucosyltransferase activity
methionine adenosyltransferase activity
transmembrane transporter activity
acetylcholine−gated cation−selective channel activity
fructose transmembrane transporter activity
carbohydrate:proton symporter activity
dehydroascorbic acid transmembrane transporter activity
aromatic amino acid transmembrane transporter activity
thyroid hormone transmembrane transporter activity
glucose transmembrane transporter activity
potassium ion antiporter activity
monocarboxylic acid transmembrane transporter activity
amino acid transmembrane transporter activity
NA
acetylcholine receptor activity
glucose binding
heme binding
quinone binding
ethanolaminephosphotransferase activity
D5 dopamine receptor binding
translation elongation factor binding
leukotriene−A4 hydrolase activity
PTB domain binding
phosphotransferase activity, for other substituted phosphate groups
TORC2 complex binding
epoxide hydrolase activity
insulin binding
anaphase−promoting complex binding
Hsp90 protein binding
promoter−specific chromatin binding