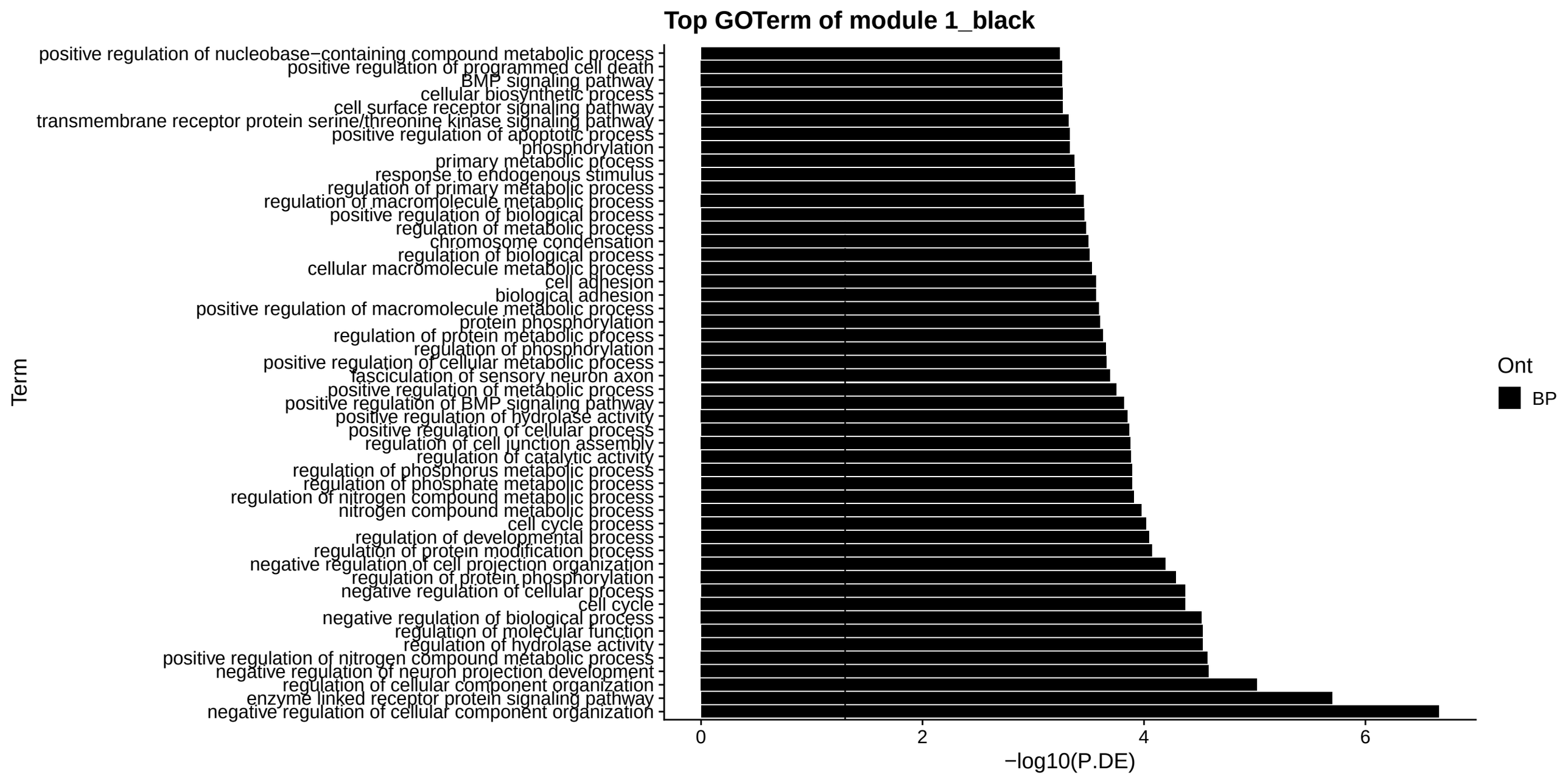
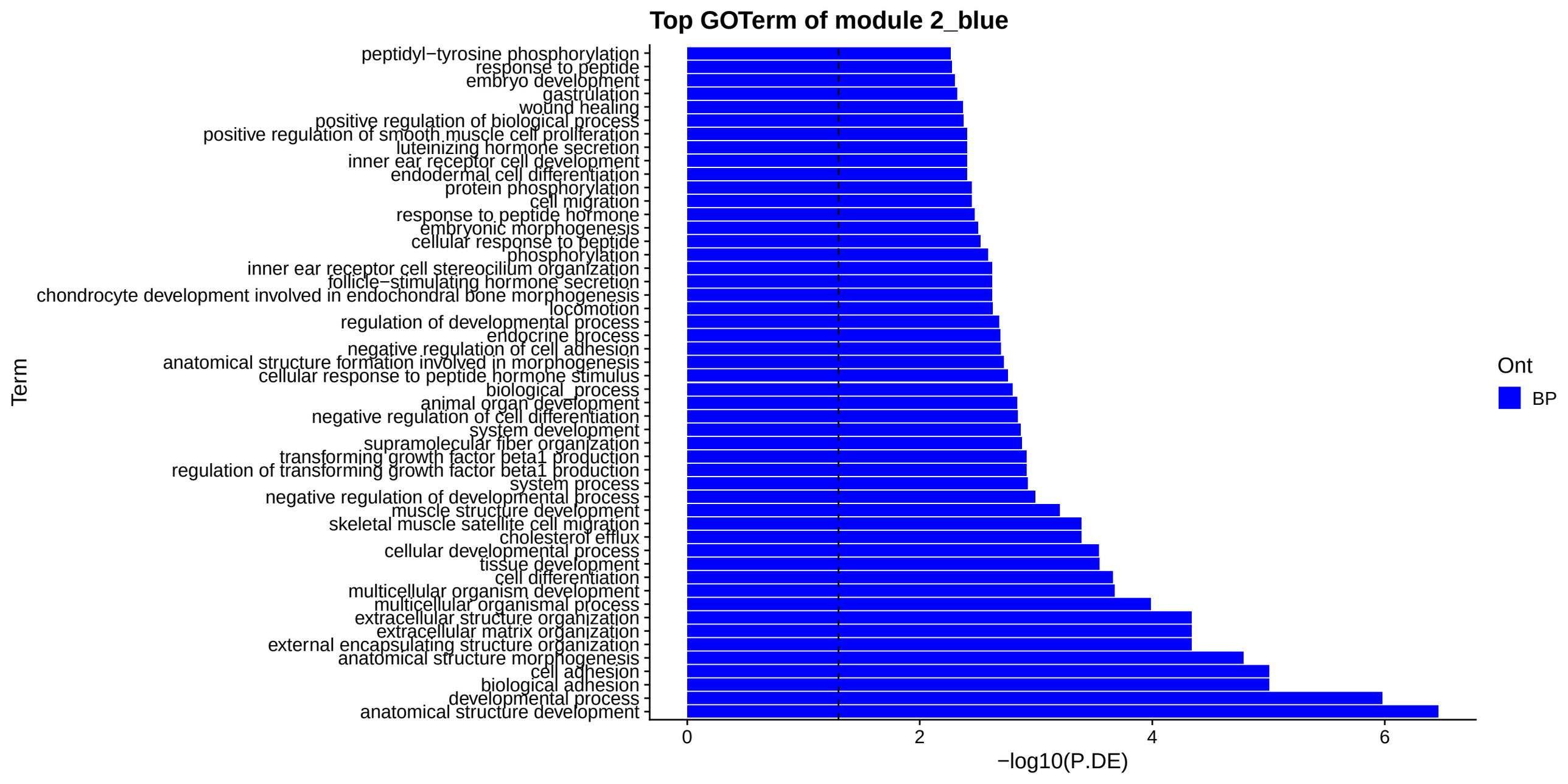
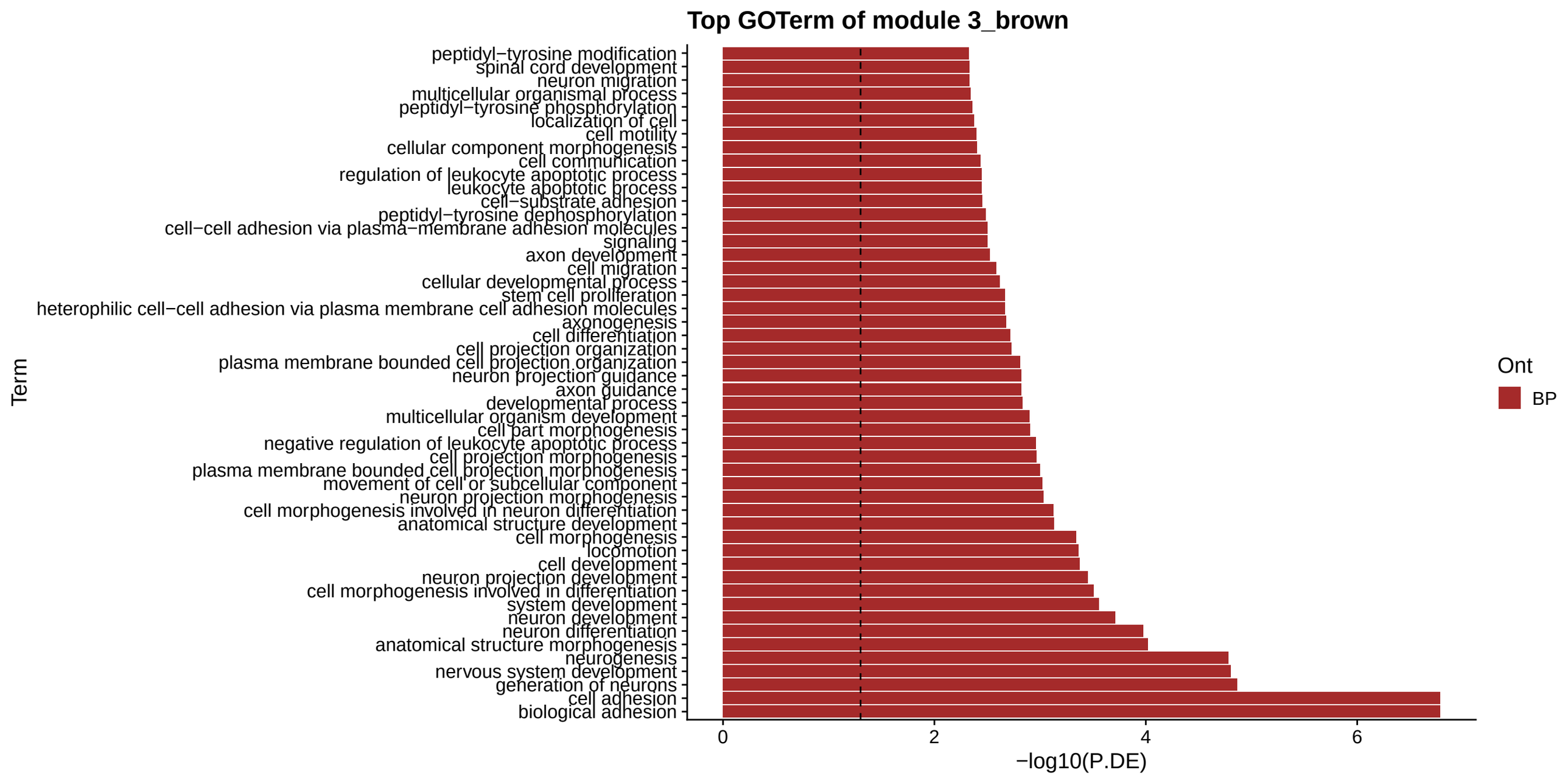
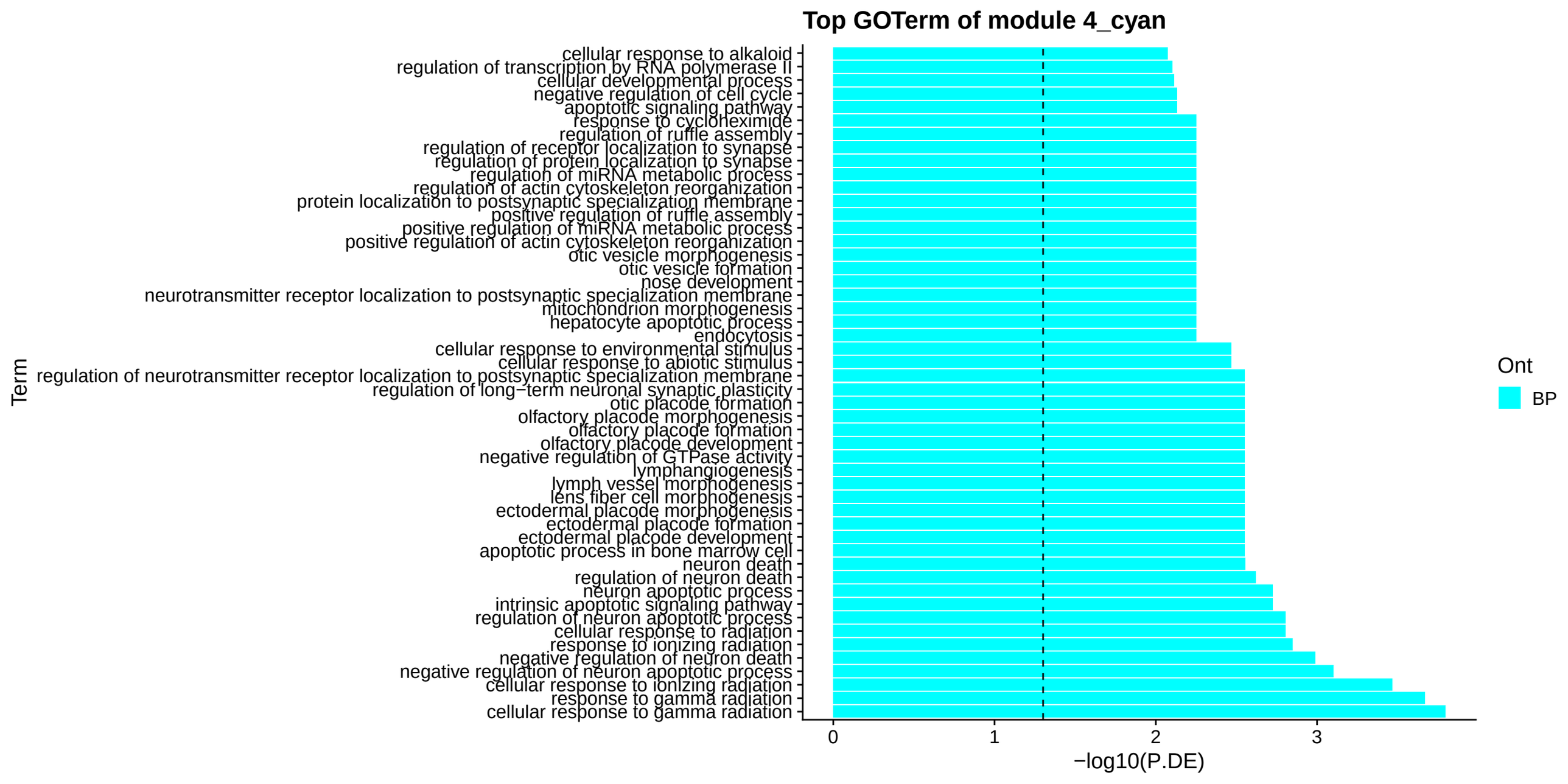
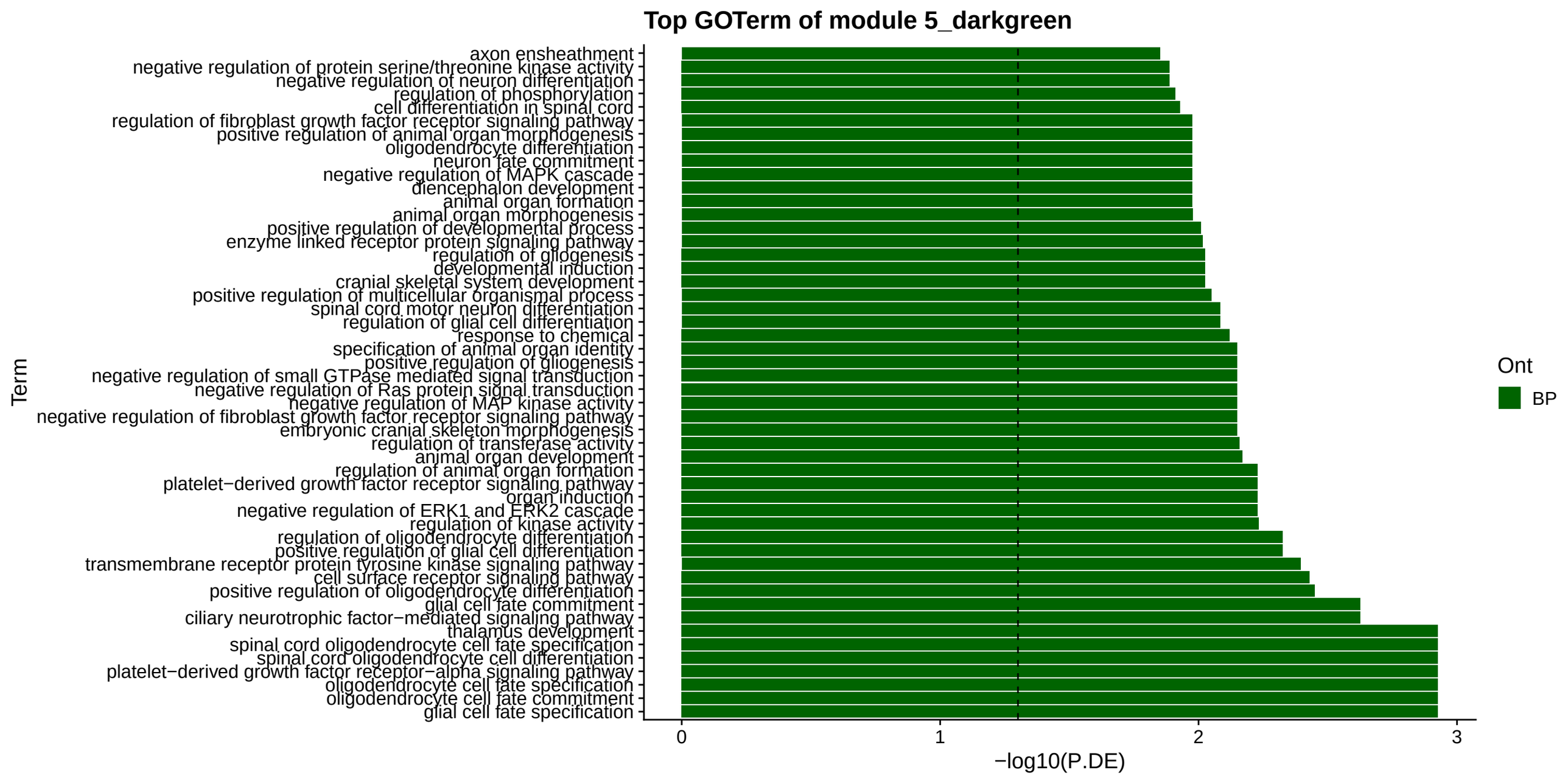
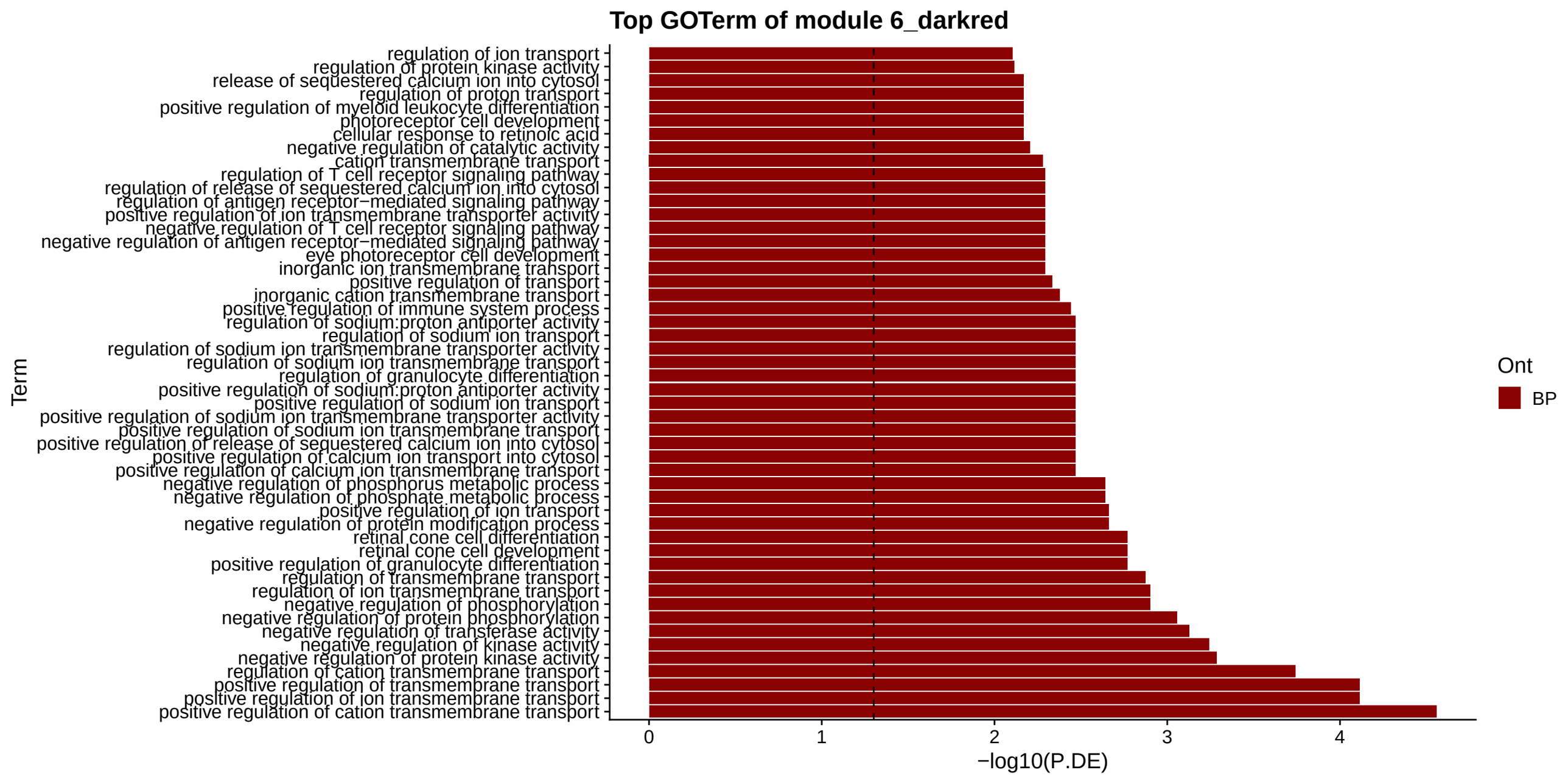

Top GOTerm of module 1_black
positive regulation of nucleobase−containing compound metabolic process
positive regulation of programmed cell death
BMP signaling pathway
cellular biosynthetic process
cell surface receptor signaling pathway
transmembrane receptor protein serine/threonine kinase signaling pathway
positive regulation of apoptotic process
phosphorylation
primary metabolic process
response to endogenous stimulus
regulation of primary metabolic process
regulation of macromolecule metabolic process
positive regulation of biological process
regulation of metabolic process
chromosome condensation
regulation of biological process
cellular macromolecule metabolic process
cell adhesion
biological adhesion
positive regulation of macromolecule metabolic process
protein phosphorylation
regulation of protein metabolic process
regulation of phosphorylation
positive regulation of cellular metabolic process
fasciculation of sensory neuron axon
positive regulation of metabolic process
positive regulation of BMP signaling pathway
positive regulation of hydrolase activity
positive regulation of cellular process
regulation of cell junction assembly
regulation of catalytic activity
regulation of phosphorus metabolic process
regulation of phosphate metabolic process
regulation of nitrogen compound metabolic process
nitrogen compound metabolic process
cell cycle process
regulation of developmental process
regulation of protein modification process
negative regulation of cell projection organization
regulation of protein phosphorylation
negative regulation of cellular process
cell cycle
negative regulation of biological process
regulation of molecular function
regulation of hydrolase activity
positive regulation of nitrogen compound metabolic process
negative regulation of neuron projection development
regulation of cellular component organization
enzyme linked receptor protein signaling pathway
negative regulation of cellular component organization
Term
0
2
4
6
−log10(P.DE)
Ont
BP

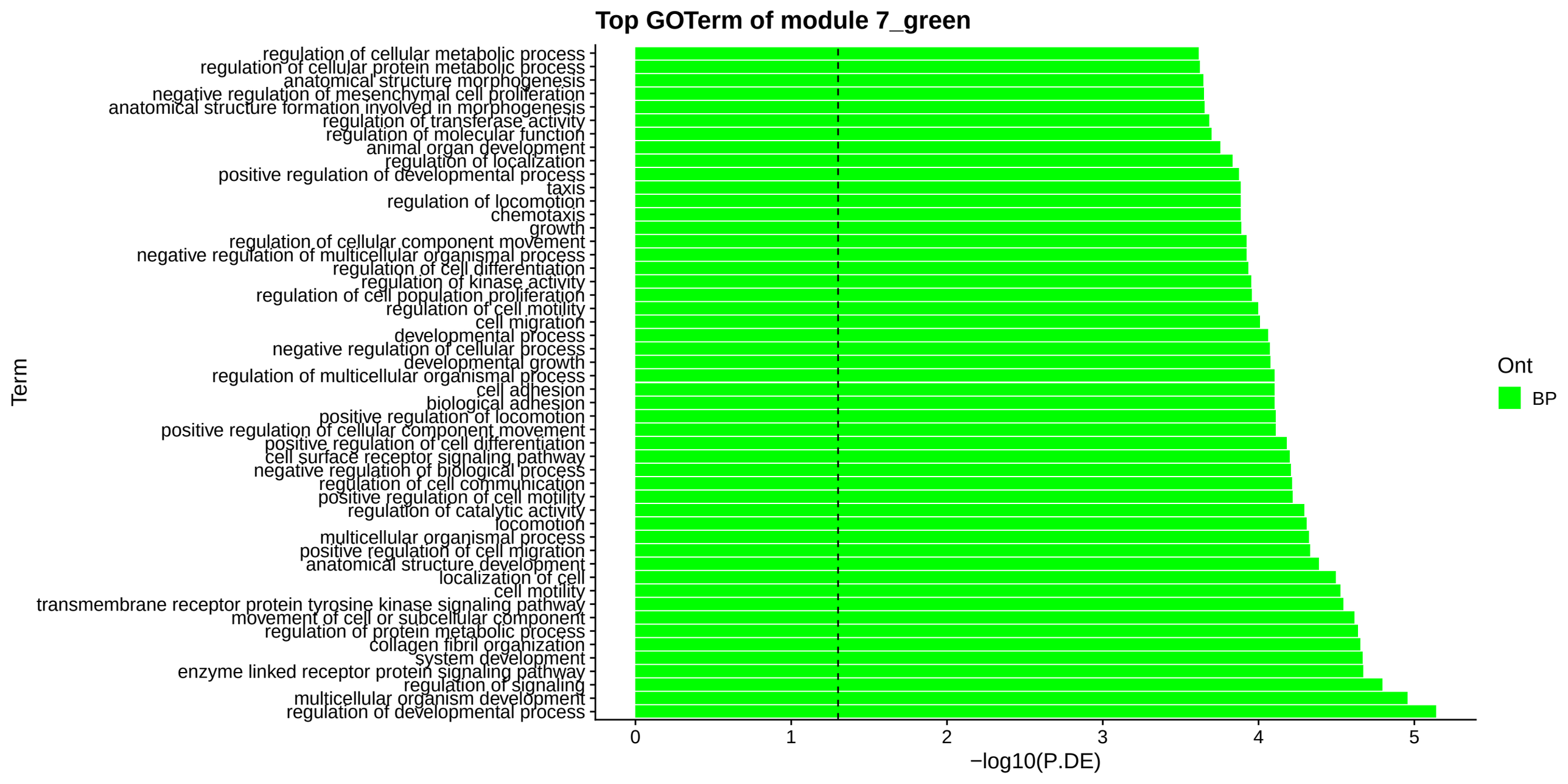

Top GOTerm of module 2_blue
peptidyl−tyrosine phosphorylation
response to peptide
embryo development
gastrulation
wound healing
positive regulation of biological process
positive regulation of smooth muscle cell proliferation
luteinizing hormone secretion
inner ear receptor cell development
endodermal cell differentiation
protein phosphorylation
cell migration
response to peptide hormone
embryonic morphogenesis
cellular response to peptide
phosphorylation
inner ear receptor cell stereocilium organization
follicle−stimulating hormone secretion
chondrocyte development involved in endochondral bone morphogenesis
locomotion
regulation of developmental process
endocrine process
negative regulation of cell adhesion
anatomical structure formation involved in morphogenesis
cellular response to peptide hormone stimulus
biological_process
animal organ development
negative regulation of cell differentiation
system development
supramolecular fiber organization
transforming growth factor beta1 production
regulation of transforming growth factor beta1 production
system process
negative regulation of developmental process
muscle structure development
skeletal muscle satellite cell migration
cholesterol efflux
cellular developmental process
tissue development
cell differentiation
multicellular organism development
multicellular organismal process
extracellular structure organization
extracellular matrix organization
external encapsulating structure organization
anatomical structure morphogenesis
cell adhesion
biological adhesion
developmental process
anatomical structure development
Term
0
2
4
6
−log10(P.DE)
Ont
BP

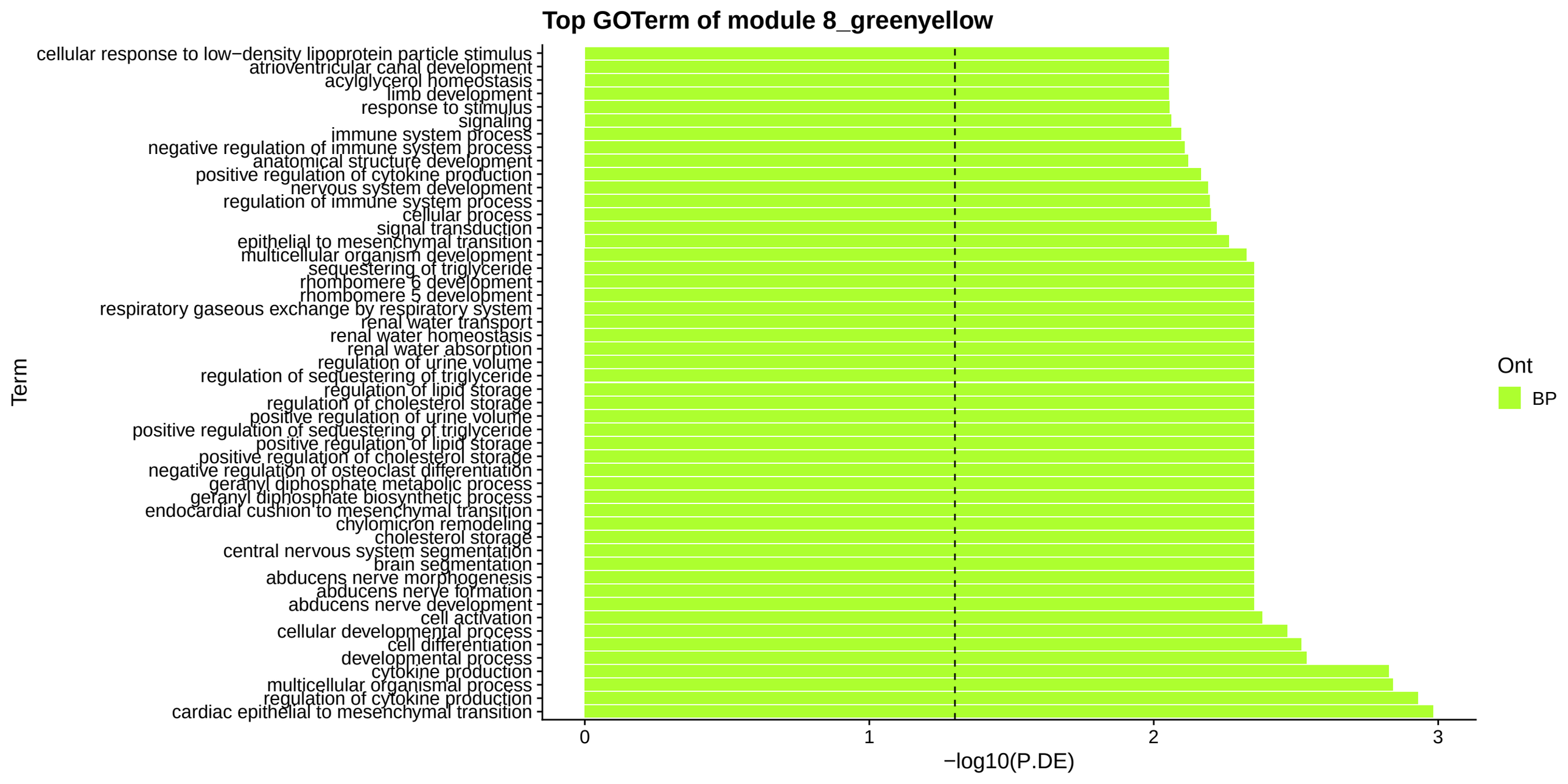

Top GOTerm of module 3_brown
peptidyl−tyrosine modification
spinal cord development
neuron migration
multicellular organismal process
peptidyl−tyrosine phosphorylation
localization of cell
cell motility
cellular component morphogenesis
cell communication
regulation of leukocyte apoptotic process
leukocyte apoptotic process
cell−substrate adhesion
peptidyl−tyrosine dephosphorylation
cell−cell adhesion via plasma−membrane adhesion molecules
signaling
axon development
cell migration
cellular developmental process
stem cell proliferation
heterophilic cell−cell adhesion via plasma membrane cell adhesion molecules
axonogenesis
cell differentiation
cell projection organization
plasma membrane bounded cell projection organization
neuron projection guidance
axon guidance
developmental process
multicellular organism development
cell part morphogenesis
negative regulation of leukocyte apoptotic process
cell projection morphogenesis
plasma membrane bounded cell projection morphogenesis
movement of cell or subcellular component
neuron projection morphogenesis
cell morphogenesis involved in neuron differentiation
anatomical structure development
cell morphogenesis
locomotion
cell development
neuron projection development
cell morphogenesis involved in differentiation
system development
neuron development
neuron differentiation
anatomical structure morphogenesis
neurogenesis
nervous system development
generation of neurons
cell adhesion
biological adhesion
Term
0
2
4
6
−log10(P.DE)
Ont
BP

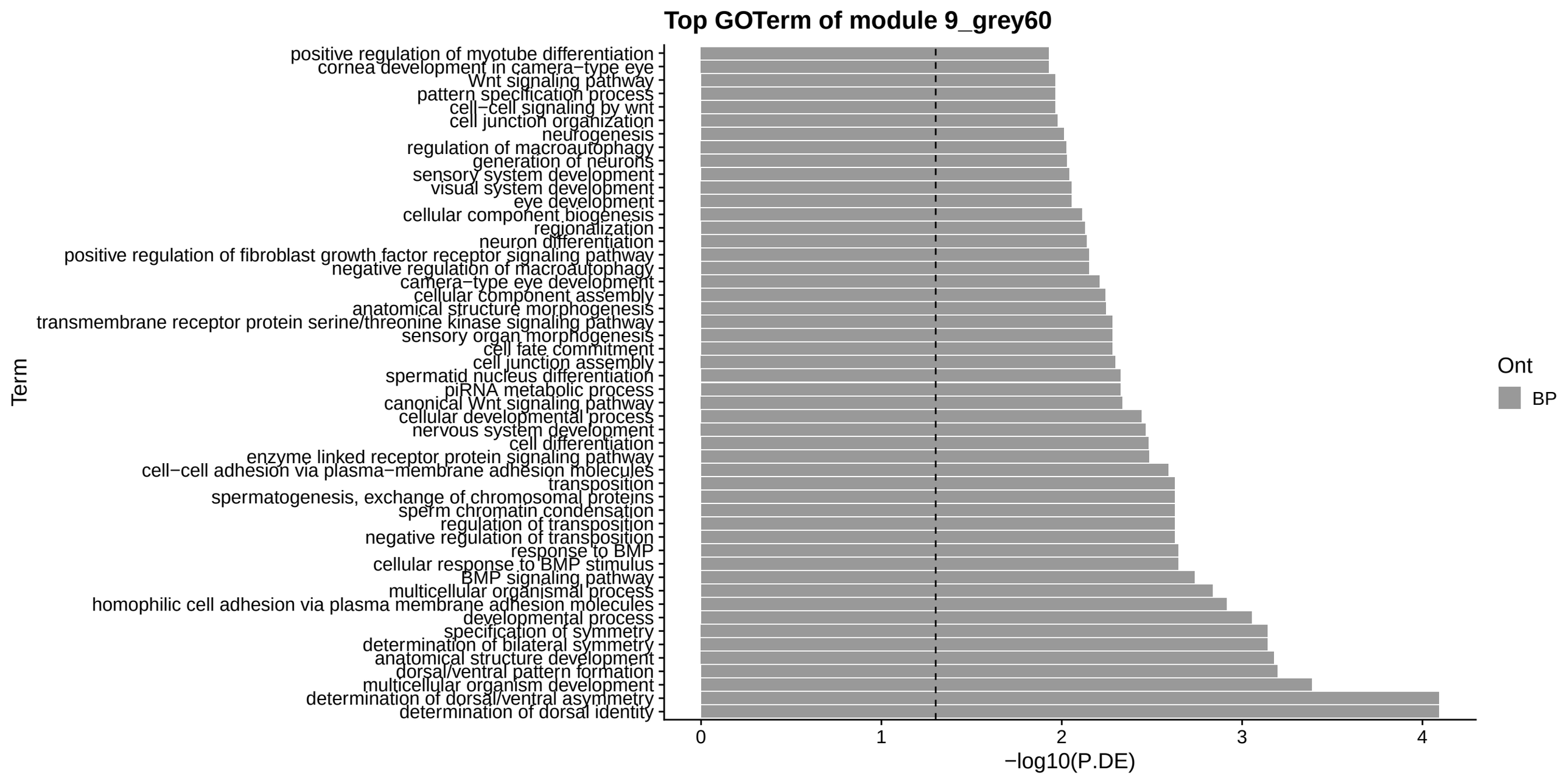

Top GOTerm of module 4_cyan
cellular response to alkaloid
regulation of transcription by RNA polymerase II
cellular developmental process
negative regulation of cell cycle
apoptotic signaling pathway
response to cycloheximide
regulation of ruffle assembly
regulation of receptor localization to synapse
regulation of protein localization to synapse
regulation of miRNA metabolic process
regulation of actin cytoskeleton reorganization
protein localization to postsynaptic specialization membrane
positive regulation of ruffle assembly
positive regulation of miRNA metabolic process
positive regulation of actin cytoskeleton reorganization
otic vesicle morphogenesis
otic vesicle formation
nose development
neurotransmitter receptor localization to postsynaptic specialization membrane
mitochondrion morphogenesis
hepatocyte apoptotic process
endocytosis
cellular response to environmental stimulus
cellular response to abiotic stimulus
regulation of neurotransmitter receptor localization to postsynaptic specialization membrane
regulation of long−term neuronal synaptic plasticity
otic placode formation
olfactory placode morphogenesis
olfactory placode formation
olfactory placode development
negative regulation of GTPase activity
lymphangiogenesis
lymph vessel morphogenesis
lens fiber cell morphogenesis
ectodermal placode morphogenesis
ectodermal placode formation
ectodermal placode development
apoptotic process in bone marrow cell
neuron death
regulation of neuron death
neuron apoptotic process
intrinsic apoptotic signaling pathway
regulation of neuron apoptotic process
cellular response to radiation
response to ionizing radiation
negative regulation of neuron death
negative regulation of neuron apoptotic process
cellular response to ionizing radiation
response to gamma radiation
cellular response to gamma radiation
Term
0
1
2
3
−log10(P.DE)
Ont
BP

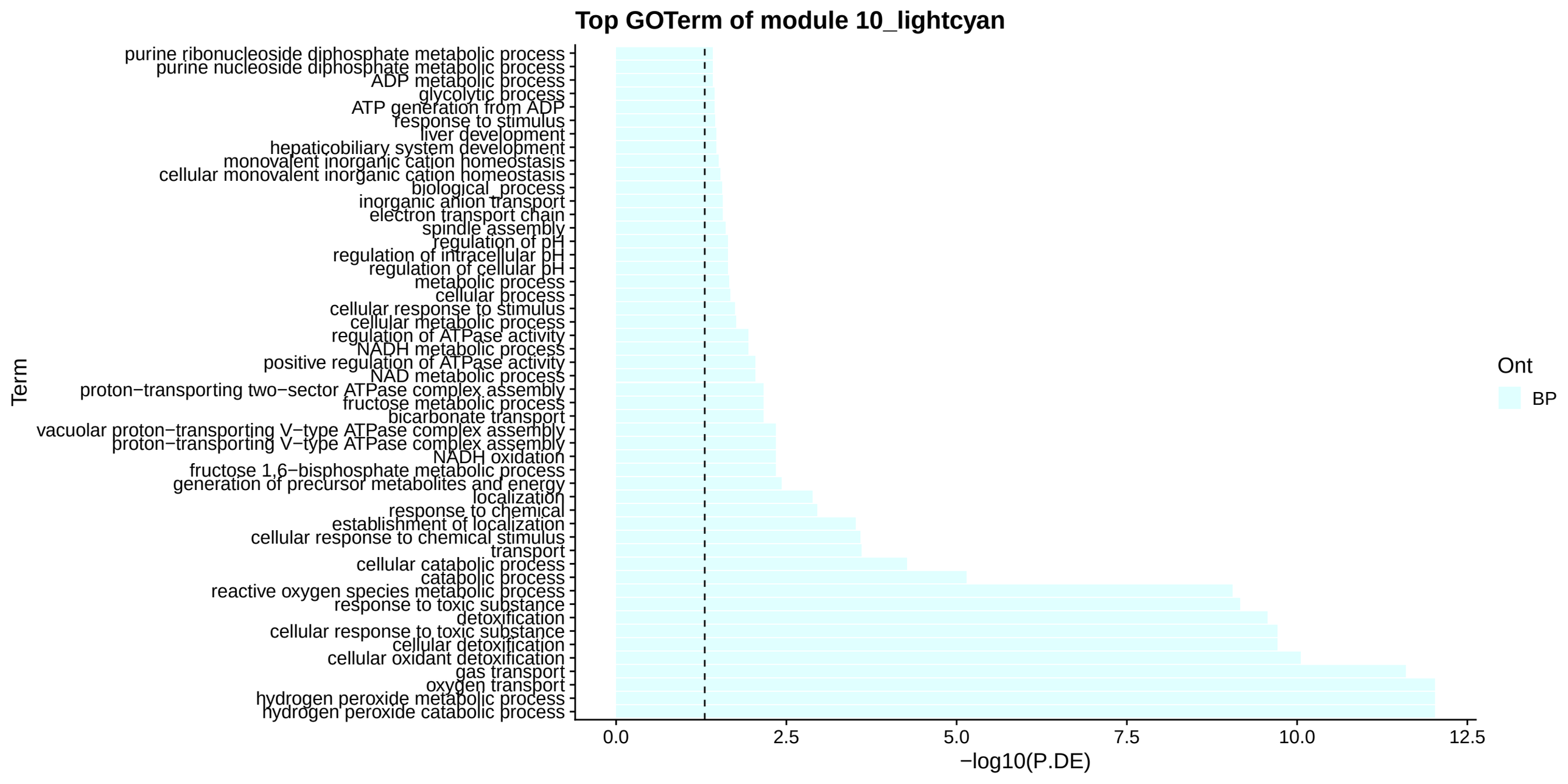

Top GOTerm of module 5_darkgreen
axon ensheathment
negative regulation of protein serine/threonine kinase activity
negative regulation of neuron differentiation
regulation of phosphorylation
cell differentiation in spinal cord
regulation of fibroblast growth factor receptor signaling pathway
positive regulation of animal organ morphogenesis
oligodendrocyte differentiation
neuron fate commitment
negative regulation of MAPK cascade
diencephalon development
animal organ formation
animal organ morphogenesis
positive regulation of developmental process
enzyme linked receptor protein signaling pathway
regulation of gliogenesis
developmental induction
cranial skeletal system development
positive regulation of multicellular organismal process
spinal cord motor neuron differentiation
regulation of glial cell differentiation
response to chemical
specification of animal organ identity
positive regulation of gliogenesis
negative regulation of small GTPase mediated signal transduction
negative regulation of Ras protein signal transduction
negative regulation of MAP kinase activity
negative regulation of fibroblast growth factor receptor signaling pathway
embryonic cranial skeleton morphogenesis
regulation of transferase activity
animal organ development
regulation of animal organ formation
platelet−derived growth factor receptor signaling pathway
organ induction
negative regulation of ERK1 and ERK2 cascade
regulation of kinase activity
regulation of oligodendrocyte differentiation
positive regulation of glial cell differentiation
transmembrane receptor protein tyrosine kinase signaling pathway
cell surface receptor signaling pathway
positive regulation of oligodendrocyte differentiation
glial cell fate commitment
ciliary neurotrophic factor−mediated signaling pathway
thalamus development
spinal cord oligodendrocyte cell fate specification
spinal cord oligodendrocyte cell differentiation
platelet−derived growth factor receptor−alpha signaling pathway
oligodendrocyte cell fate specification
oligodendrocyte cell fate commitment
glial cell fate specification
Term
0
1
2
3
−log10(P.DE)
Ont
BP

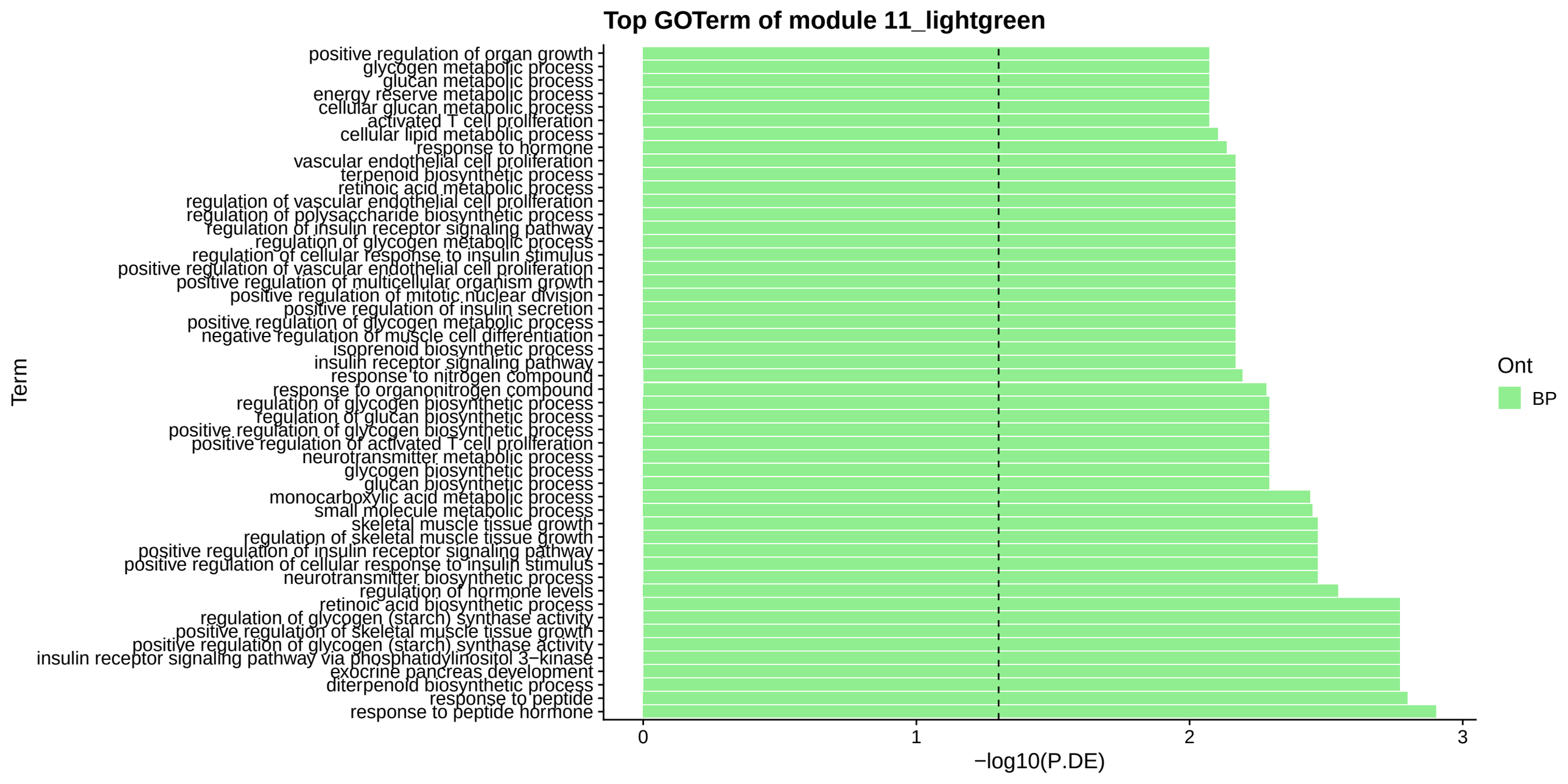

Top GOTerm of module 6_darkred
regulation of ion transport
regulation of protein kinase activity
release of sequestered calcium ion into cytosol
regulation of proton transport
positive regulation of myeloid leukocyte differentiation
photoreceptor cell development
cellular response to retinoic acid
negative regulation of catalytic activity
cation transmembrane transport
regulation of T cell receptor signaling pathway
regulation of release of sequestered calcium ion into cytosol
regulation of antigen receptor−mediated signaling pathway
positive regulation of ion transmembrane transporter activity
negative regulation of T cell receptor signaling pathway
negative regulation of antigen receptor−mediated signaling pathway
eye photoreceptor cell development
inorganic ion transmembrane transport
positive regulation of transport
inorganic cation transmembrane transport
positive regulation of immune system process
regulation of sodium:proton antiporter activity
regulation of sodium ion transport
regulation of sodium ion transmembrane transporter activity
regulation of sodium ion transmembrane transport
regulation of granulocyte differentiation
positive regulation of sodium:proton antiporter activity
positive regulation of sodium ion transport
positive regulation of sodium ion transmembrane transporter activity
positive regulation of sodium ion transmembrane transport
positive regulation of release of sequestered calcium ion into cytosol
positive regulation of calcium ion transport into cytosol
positive regulation of calcium ion transmembrane transport
negative regulation of phosphorus metabolic process
negative regulation of phosphate metabolic process
positive regulation of ion transport
negative regulation of protein modification process
retinal cone cell differentiation
retinal cone cell development
positive regulation of granulocyte differentiation
regulation of transmembrane transport
regulation of ion transmembrane transport
negative regulation of phosphorylation
negative regulation of protein phosphorylation
negative regulation of transferase activity
negative regulation of kinase activity
negative regulation of protein kinase activity
regulation of cation transmembrane transport
positive regulation of transmembrane transport
positive regulation of ion transmembrane transport
positive regulation of cation transmembrane transport
Term
0
1
2
3
4
−log10(P.DE)
Ont
BP

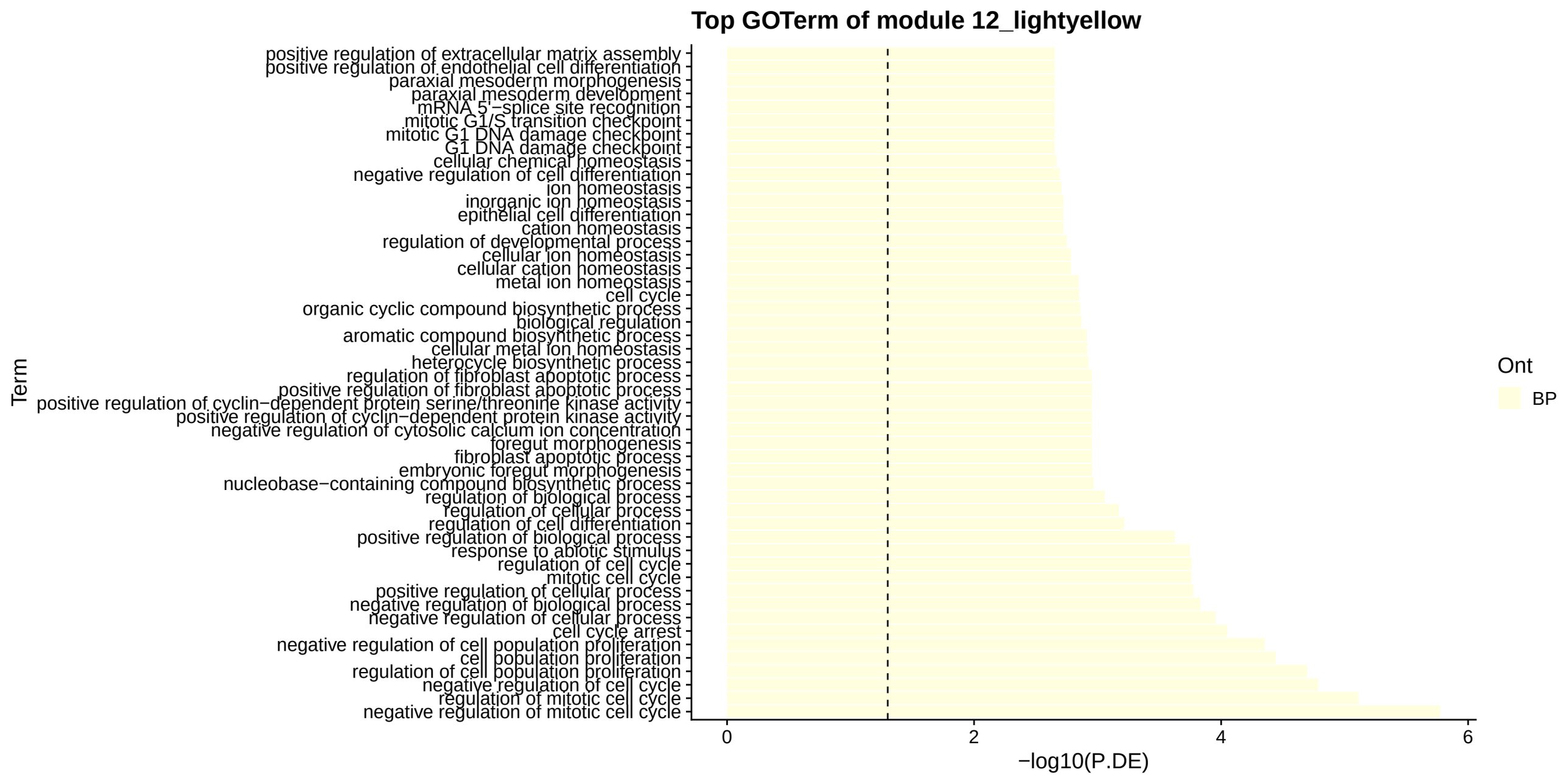

Top GOTerm of module 7_green
regulation of cellular metabolic process
regulation of cellular protein metabolic process
anatomical structure morphogenesis
negative regulation of mesenchymal cell proliferation
anatomical structure formation involved in morphogenesis
regulation of transferase activity
regulation of molecular function
animal organ development
regulation of localization
positive regulation of developmental process
taxis
regulation of locomotion
chemotaxis
growth
regulation of cellular component movement
negative regulation of multicellular organismal process
regulation of cell differentiation
regulation of kinase activity
regulation of cell population proliferation
regulation of cell motility
cell migration
developmental process
negative regulation of cellular process
developmental growth
regulation of multicellular organismal process
cell adhesion
biological adhesion
positive regulation of locomotion
positive regulation of cellular component movement
positive regulation of cell differentiation
cell surface receptor signaling pathway
negative regulation of biological process
regulation of cell communication
positive regulation of cell motility
regulation of catalytic activity
locomotion
multicellular organismal process
positive regulation of cell migration
anatomical structure development
localization of cell
cell motility
transmembrane receptor protein tyrosine kinase signaling pathway
movement of cell or subcellular component
regulation of protein metabolic process
collagen fibril organization
system development
enzyme linked receptor protein signaling pathway
regulation of signaling
multicellular organism development
regulation of developmental process
Term
0
1
2
3
4
5
−log10(P.DE)
Ont
BP

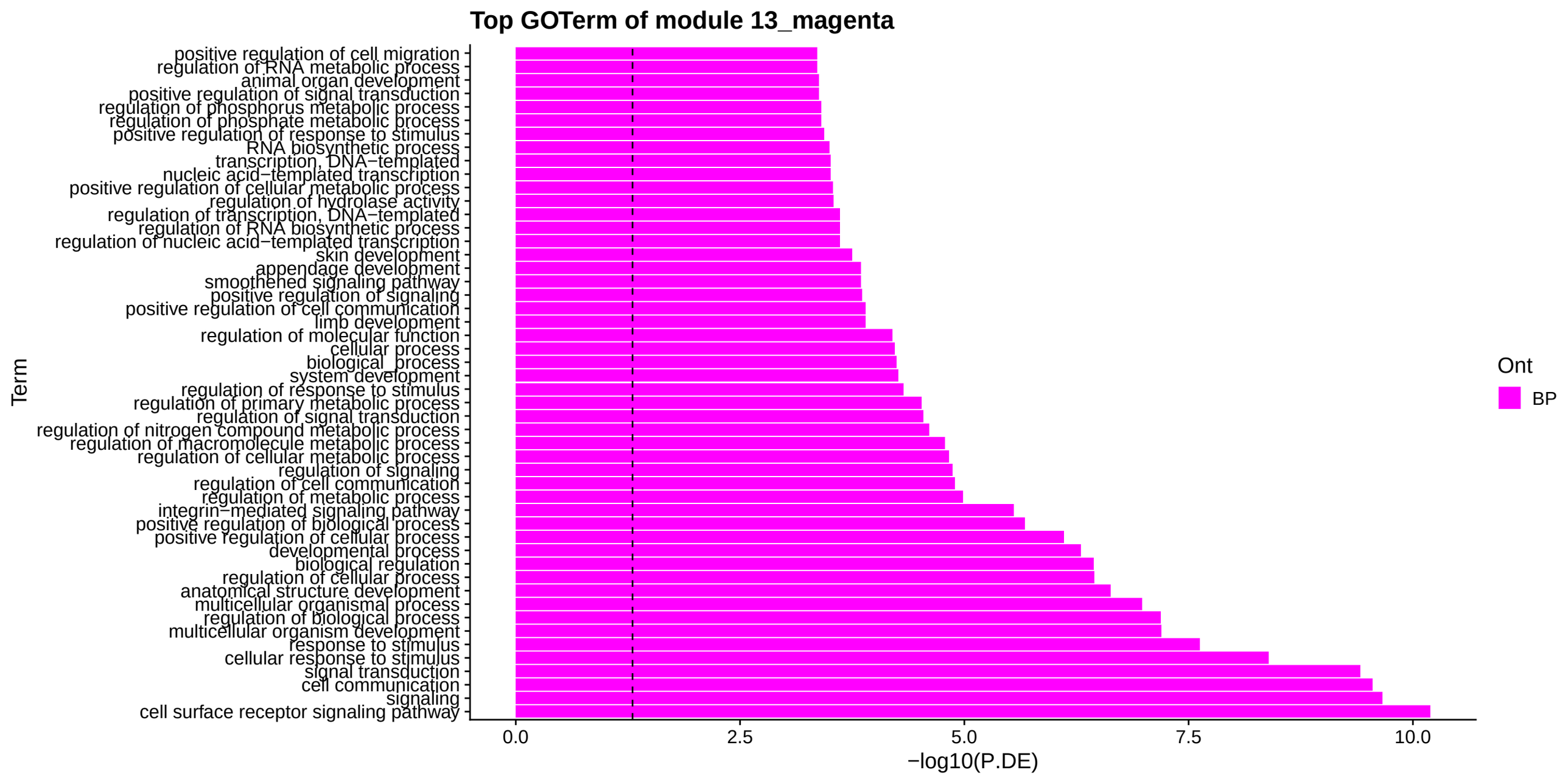

Top GOTerm of module 8_greenyellow
cellular response to low−density lipoprotein particle stimulus
atrioventricular canal development
acylglycerol homeostasis
limb development
response to stimulus
signaling
immune system process
negative regulation of immune system process
anatomical structure development
positive regulation of cytokine production
nervous system development
regulation of immune system process
cellular process
signal transduction
epithelial to mesenchymal transition
multicellular organism development
sequestering of triglyceride
rhombomere 6 development
rhombomere 5 development
respiratory gaseous exchange by respiratory system
renal water transport
renal water homeostasis
renal water absorption
regulation of urine volume
regulation of sequestering of triglyceride
regulation of lipid storage
regulation of cholesterol storage
positive regulation of urine volume
positive regulation of sequestering of triglyceride
positive regulation of lipid storage
positive regulation of cholesterol storage
negative regulation of osteoclast differentiation
geranyl diphosphate metabolic process
geranyl diphosphate biosynthetic process
endocardial cushion to mesenchymal transition
chylomicron remodeling
cholesterol storage
central nervous system segmentation
brain segmentation
abducens nerve morphogenesis
abducens nerve formation
abducens nerve development
cell activation
cellular developmental process
cell differentiation
developmental process
cytokine production
multicellular organismal process
regulation of cytokine production
cardiac epithelial to mesenchymal transition
Term
0
1
2
3
−log10(P.DE)
Ont
BP

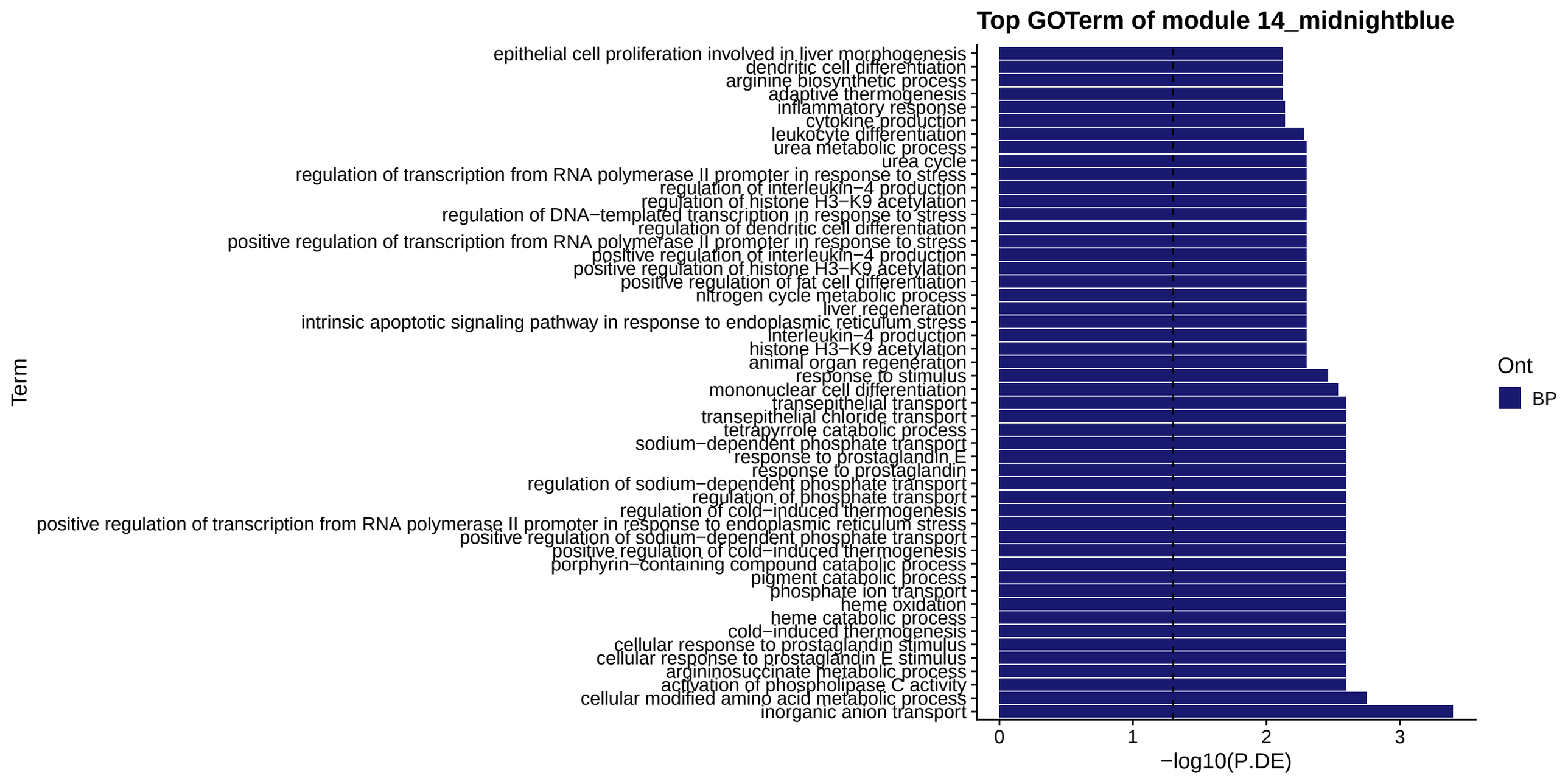

Top GOTerm of module 9_grey60
positive regulation of myotube differentiation
cornea development in camera−type eye
Wnt signaling pathway
pattern specification process
cell−cell signaling by wnt
cell junction organization
neurogenesis
regulation of macroautophagy
generation of neurons
sensory system development
visual system development
eye development
cellular component biogenesis
regionalization
neuron differentiation
positive regulation of fibroblast growth factor receptor signaling pathway
negative regulation of macroautophagy
camera−type eye development
cellular component assembly
anatomical structure morphogenesis
transmembrane receptor protein serine/threonine kinase signaling pathway
sensory organ morphogenesis
cell fate commitment
cell junction assembly
spermatid nucleus differentiation
piRNA metabolic process
canonical Wnt signaling pathway
cellular developmental process
nervous system development
cell differentiation
enzyme linked receptor protein signaling pathway
cell−cell adhesion via plasma−membrane adhesion molecules
transposition
spermatogenesis, exchange of chromosomal proteins
sperm chromatin condensation
regulation of transposition
negative regulation of transposition
response to BMP
cellular response to BMP stimulus
BMP signaling pathway
multicellular organismal process
homophilic cell adhesion via plasma membrane adhesion molecules
developmental process
specification of symmetry
determination of bilateral symmetry
anatomical structure development
dorsal/ventral pattern formation
multicellular organism development
determination of dorsal/ventral asymmetry
determination of dorsal identity
Term
0
1
2
3
4
−log10(P.DE)
Ont
BP

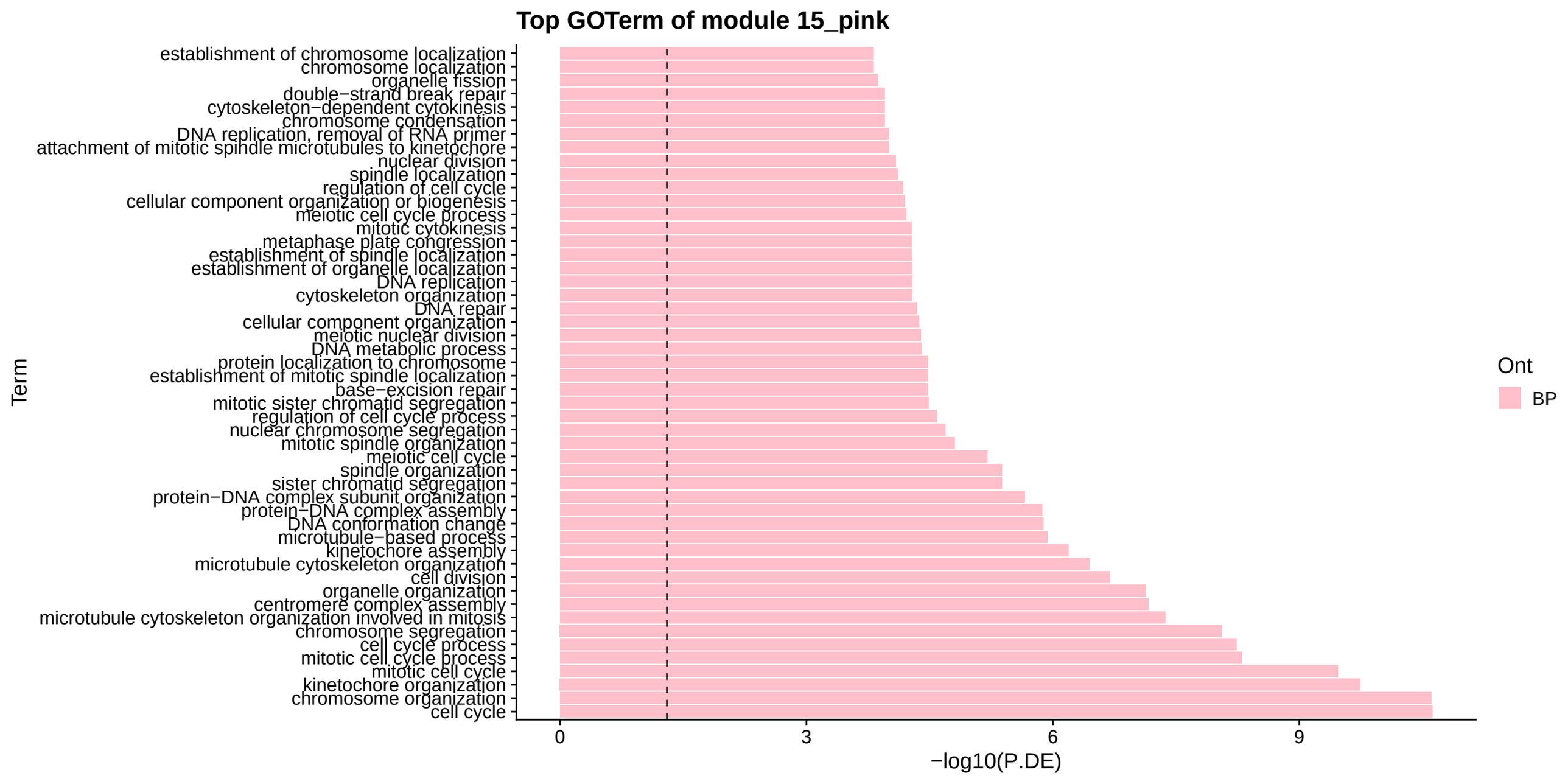

Top GOTerm of module 10_lightcyan
purine ribonucleoside diphosphate metabolic process
purine nucleoside diphosphate metabolic process
ADP metabolic process
glycolytic process
ATP generation from ADP
response to stimulus
liver development
hepaticobiliary system development
monovalent inorganic cation homeostasis
cellular monovalent inorganic cation homeostasis
biological_process
inorganic anion transport
electron transport chain
spindle assembly
regulation of pH
regulation of intracellular pH
regulation of cellular pH
metabolic process
cellular process
cellular response to stimulus
cellular metabolic process
regulation of ATPase activity
NADH metabolic process
positive regulation of ATPase activity
NAD metabolic process
proton−transporting two−sector ATPase complex assembly
fructose metabolic process
bicarbonate transport
vacuolar proton−transporting V−type ATPase complex assembly
proton−transporting V−type ATPase complex assembly
NADH oxidation
fructose 1,6−bisphosphate metabolic process
generation of precursor metabolites and energy
localization
response to chemical
establishment of localization
cellular response to chemical stimulus
transport
cellular catabolic process
catabolic process
reactive oxygen species metabolic process
response to toxic substance
detoxification
cellular response to toxic substance
cellular detoxification
cellular oxidant detoxification
gas transport
oxygen transport
hydrogen peroxide metabolic process
hydrogen peroxide catabolic process
Term
0.0
2.5
5.0
7.5
10.0
12.5
−log10(P.DE)
Ont
BP

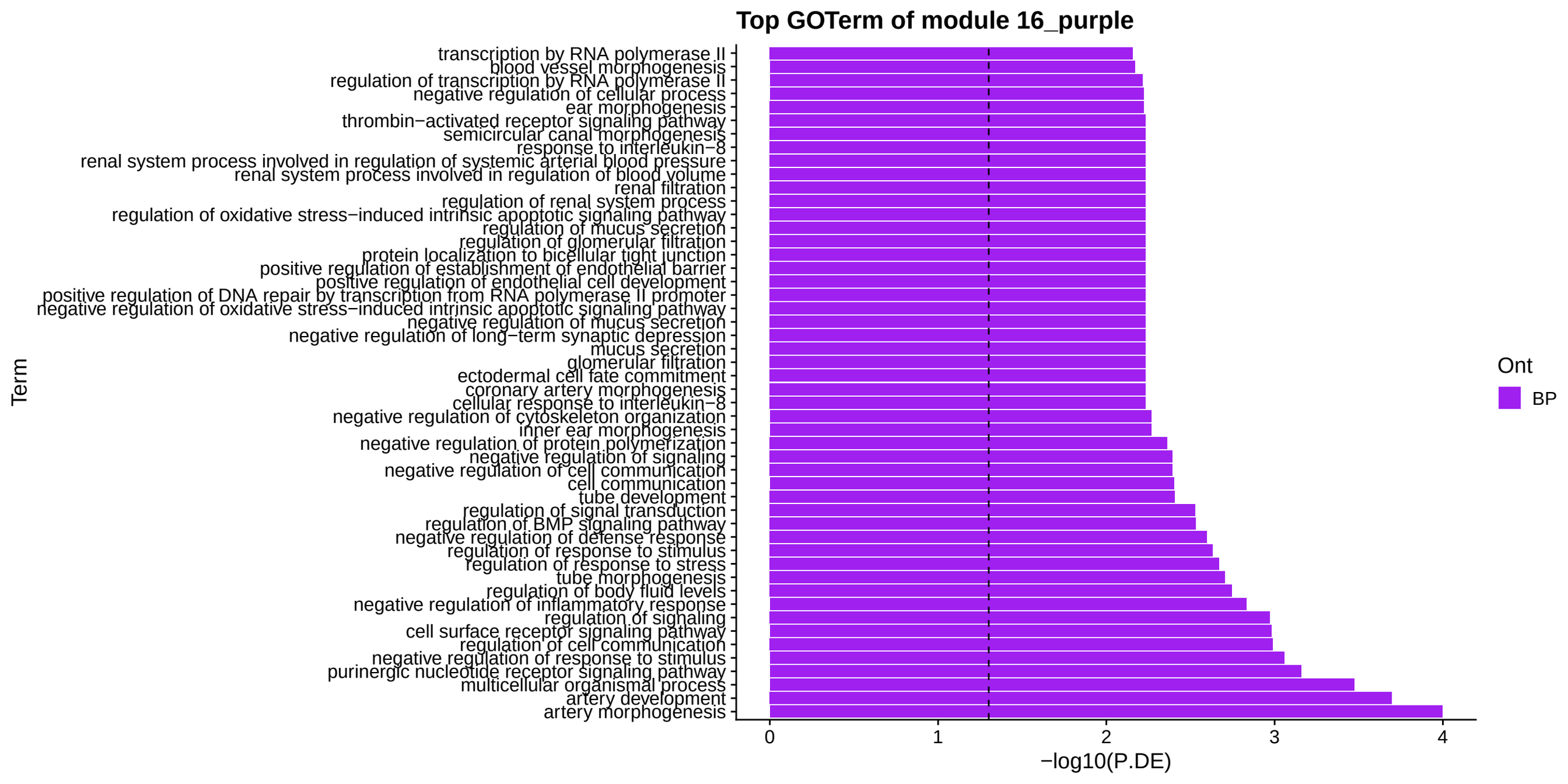

Top GOTerm of module 11_lightgreen
positive regulation of organ growth
glycogen metabolic process
glucan metabolic process
energy reserve metabolic process
cellular glucan metabolic process
activated T cell proliferation
cellular lipid metabolic process
response to hormone
vascular endothelial cell proliferation
terpenoid biosynthetic process
retinoic acid metabolic process
regulation of vascular endothelial cell proliferation
regulation of polysaccharide biosynthetic process
regulation of insulin receptor signaling pathway
regulation of glycogen metabolic process
regulation of cellular response to insulin stimulus
positive regulation of vascular endothelial cell proliferation
positive regulation of multicellular organism growth
positive regulation of mitotic nuclear division
positive regulation of insulin secretion
positive regulation of glycogen metabolic process
negative regulation of muscle cell differentiation
isoprenoid biosynthetic process
insulin receptor signaling pathway
response to nitrogen compound
response to organonitrogen compound
regulation of glycogen biosynthetic process
regulation of glucan biosynthetic process
positive regulation of glycogen biosynthetic process
positive regulation of activated T cell proliferation
neurotransmitter metabolic process
glycogen biosynthetic process
glucan biosynthetic process
monocarboxylic acid metabolic process
small molecule metabolic process
skeletal muscle tissue growth
regulation of skeletal muscle tissue growth
positive regulation of insulin receptor signaling pathway
positive regulation of cellular response to insulin stimulus
neurotransmitter biosynthetic process
regulation of hormone levels
retinoic acid biosynthetic process
regulation of glycogen (starch) synthase activity
positive regulation of skeletal muscle tissue growth
positive regulation of glycogen (starch) synthase activity
insulin receptor signaling pathway via phosphatidylinositol 3−kinase
exocrine pancreas development
diterpenoid biosynthetic process
response to peptide
response to peptide hormone
Term
0
1
2
3
−log10(P.DE)
Ont
BP

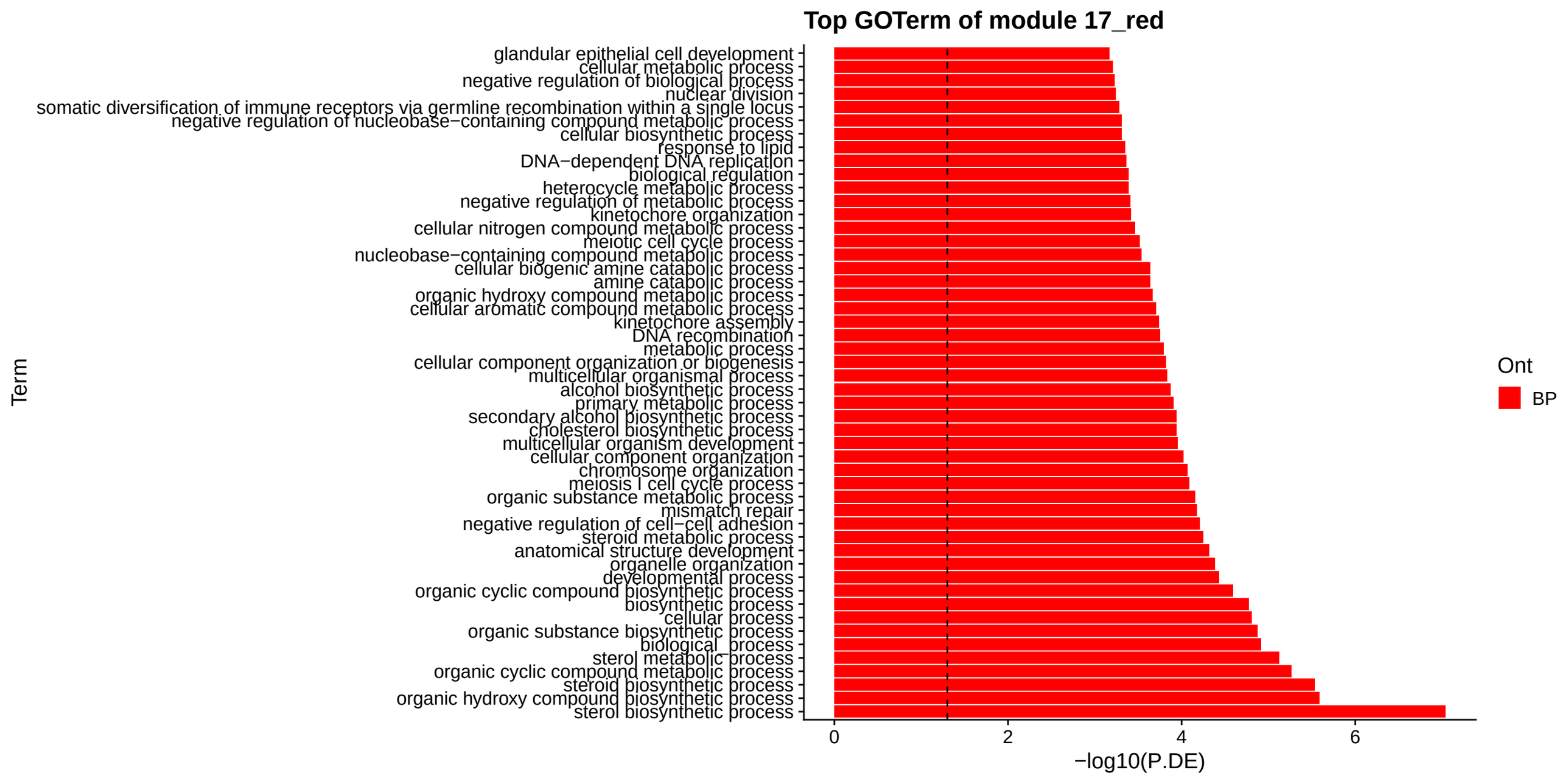

Top GOTerm of module 12_lightyellow
positive regulation of extracellular matrix assembly
positive regulation of endothelial cell differentiation
paraxial mesoderm morphogenesis
paraxial mesoderm development
mRNA 5'−splice site recognition
mitotic G1/S transition checkpoint
mitotic G1 DNA damage checkpoint
G1 DNA damage checkpoint
cellular chemical homeostasis
negative regulation of cell differentiation
ion homeostasis
inorganic ion homeostasis
epithelial cell differentiation
cation homeostasis
regulation of developmental process
cellular ion homeostasis
cellular cation homeostasis
metal ion homeostasis
cell cycle
organic cyclic compound biosynthetic process
biological regulation
aromatic compound biosynthetic process
cellular metal ion homeostasis
heterocycle biosynthetic process
regulation of fibroblast apoptotic process
positive regulation of fibroblast apoptotic process
positive regulation of cyclin−dependent protein serine/threonine kinase activity
positive regulation of cyclin−dependent protein kinase activity
negative regulation of cytosolic calcium ion concentration
foregut morphogenesis
fibroblast apoptotic process
embryonic foregut morphogenesis
nucleobase−containing compound biosynthetic process
regulation of biological process
regulation of cellular process
regulation of cell differentiation
positive regulation of biological process
response to abiotic stimulus
regulation of cell cycle
mitotic cell cycle
positive regulation of cellular process
negative regulation of biological process
negative regulation of cellular process
cell cycle arrest
negative regulation of cell population proliferation
cell population proliferation
regulation of cell population proliferation
negative regulation of cell cycle
regulation of mitotic cell cycle
negative regulation of mitotic cell cycle
Term
0
2
4
6
−log10(P.DE)
Ont
BP

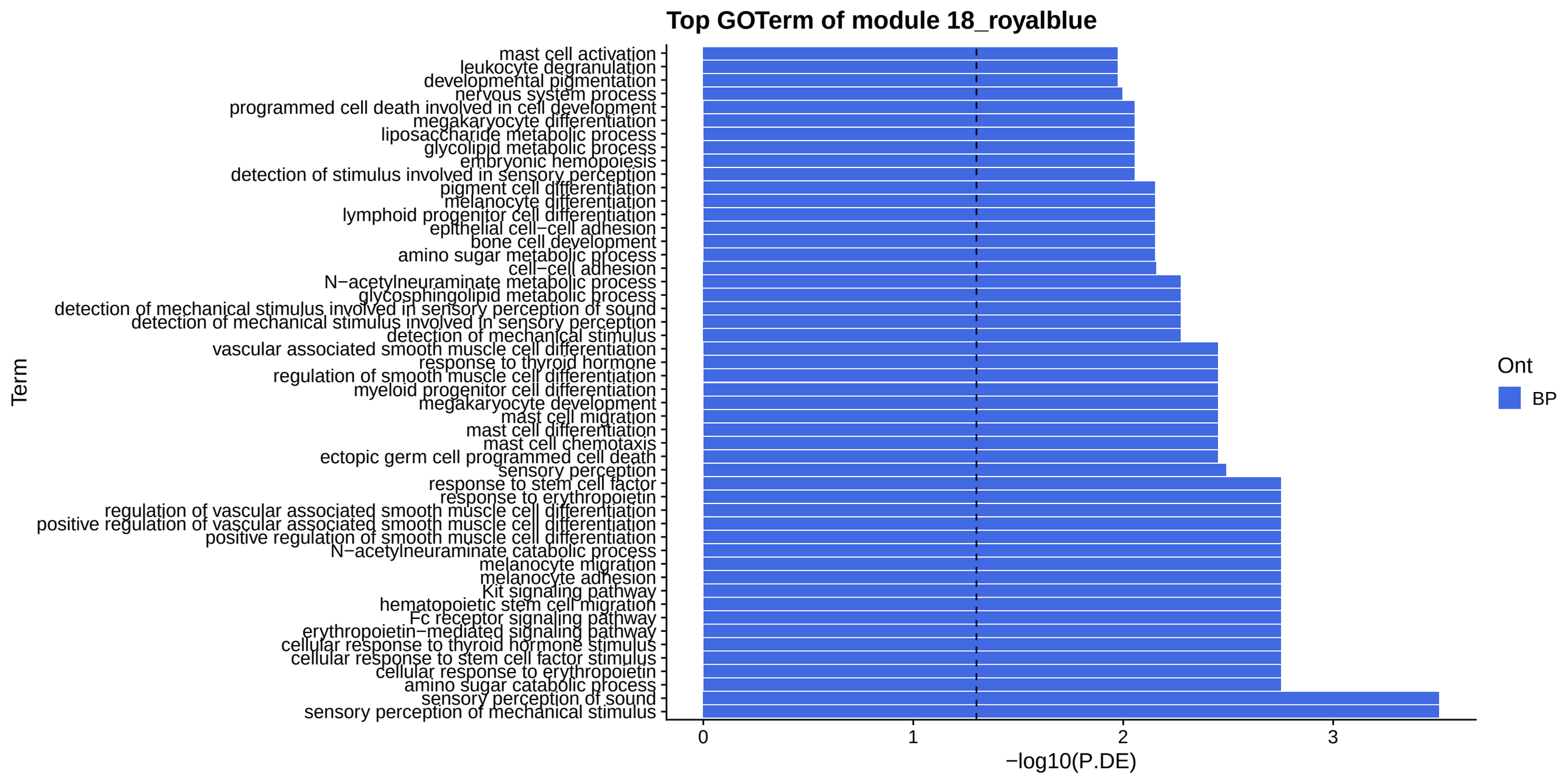

Top GOTerm of module 13_magenta
positive regulation of cell migration
regulation of RNA metabolic process
animal organ development
positive regulation of signal transduction
regulation of phosphorus metabolic process
regulation of phosphate metabolic process
positive regulation of response to stimulus
RNA biosynthetic process
transcription, DNA−templated
nucleic acid−templated transcription
positive regulation of cellular metabolic process
regulation of hydrolase activity
regulation of transcription, DNA−templated
regulation of RNA biosynthetic process
regulation of nucleic acid−templated transcription
skin development
appendage development
smoothened signaling pathway
positive regulation of signaling
positive regulation of cell communication
limb development
regulation of molecular function
cellular process
biological_process
system development
regulation of response to stimulus
regulation of primary metabolic process
regulation of signal transduction
regulation of nitrogen compound metabolic process
regulation of macromolecule metabolic process
regulation of cellular metabolic process
regulation of signaling
regulation of cell communication
regulation of metabolic process
integrin−mediated signaling pathway
positive regulation of biological process
positive regulation of cellular process
developmental process
biological regulation
regulation of cellular process
anatomical structure development
multicellular organismal process
regulation of biological process
multicellular organism development
response to stimulus
cellular response to stimulus
signal transduction
cell communication
signaling
cell surface receptor signaling pathway
Term
0.0
2.5
5.0
7.5
10.0
−log10(P.DE)
Ont
BP

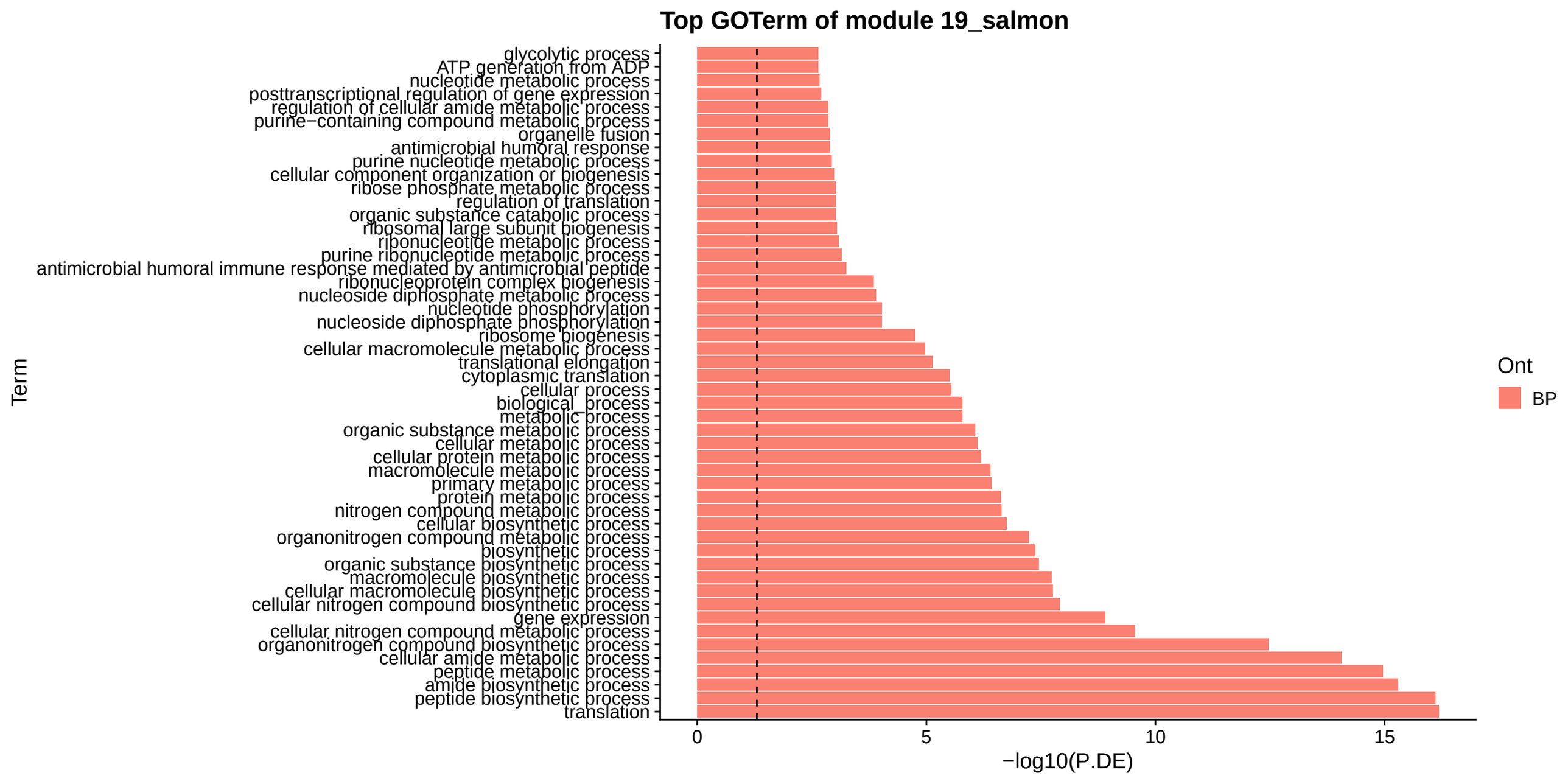

Top GOTerm of module 14_midnightblue
epithelial cell proliferation involved in liver morphogenesis
dendritic cell differentiation
arginine biosynthetic process
adaptive thermogenesis
inflammatory response
cytokine production
leukocyte differentiation
urea metabolic process
urea cycle
regulation of transcription from RNA polymerase II promoter in response to stress
regulation of interleukin−4 production
regulation of histone H3−K9 acetylation
regulation of DNA−templated transcription in response to stress
regulation of dendritic cell differentiation
positive regulation of transcription from RNA polymerase II promoter in response to stress
positive regulation of interleukin−4 production
positive regulation of histone H3−K9 acetylation
positive regulation of fat cell differentiation
nitrogen cycle metabolic process
liver regeneration
intrinsic apoptotic signaling pathway in response to endoplasmic reticulum stress
Interleukin−4 production
histone H3−K9 acetylation
animal organ regeneration
response to stimulus
mononuclear cell differentiation
transepithelial transport
transepithelial chloride transport
tetrapyrrole catabolic process
sodium−dependent phosphate transport
response to prostaglandin E
response to prostaglandin
regulation of sodium−dependent phosphate transport
regulation of phosphate transport
regulation of cold−induced thermogenesis
positive regulation of transcription from RNA polymerase II promoter in response to endoplasmic reticulum stress
positive regulation of sodium−dependent phosphate transport
positive regulation of cold−induced thermogenesis
porphyrin−containing compound catabolic process
pigment catabolic process
phosphate ion transport
heme oxidation
heme catabolic process
cold−induced thermogenesis
cellular response to prostaglandin stimulus
cellular response to prostaglandin E stimulus
argininosuccinate metabolic process
activation of phospholipase C activity
cellular modified amino acid metabolic process
inorganic anion transport
Term
0
1
2
3
−log10(P.DE)
Ont
BP

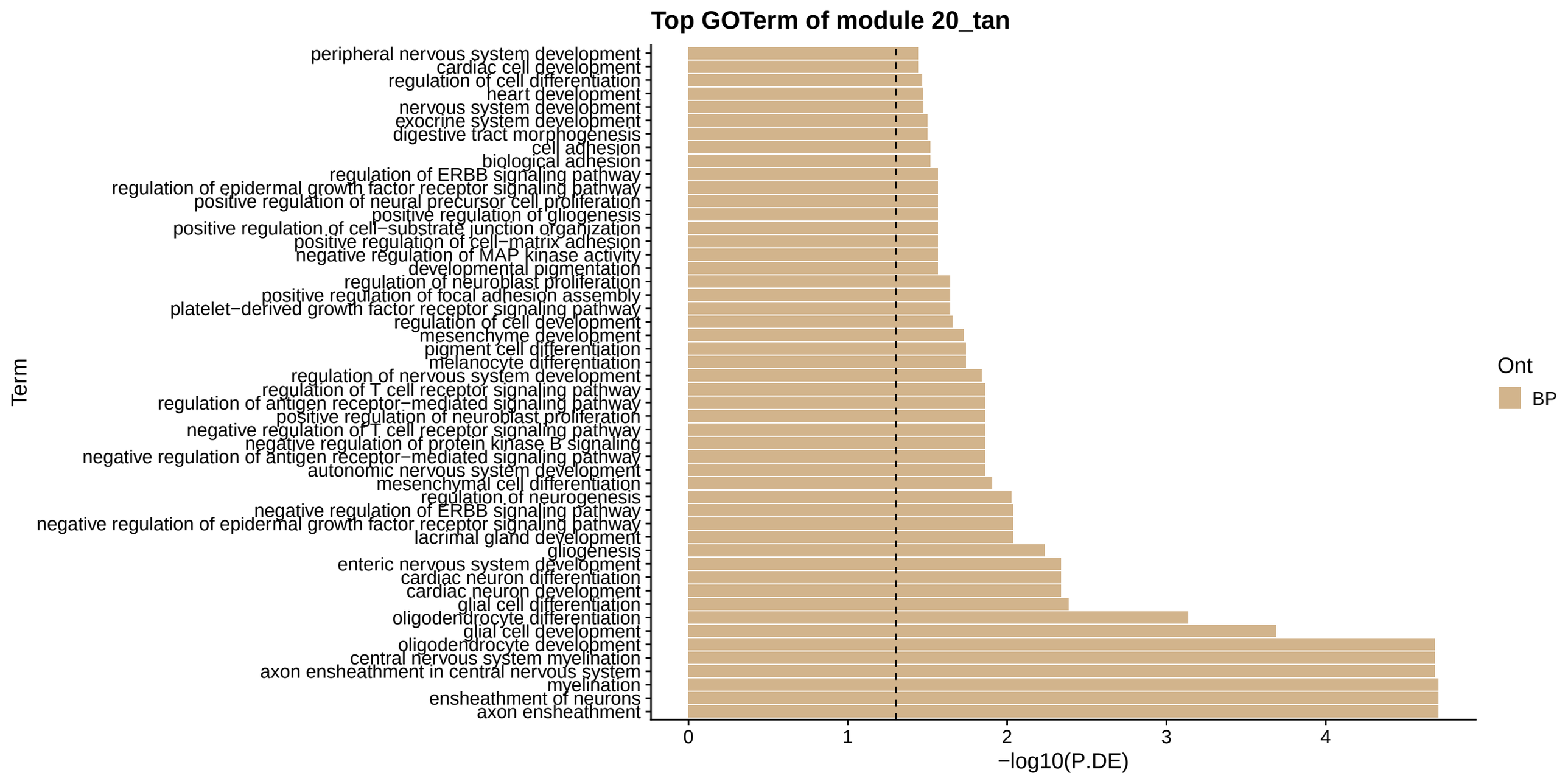

Top GOTerm of module 15_pink
establishment of chromosome localization
chromosome localization
organelle fission
double−strand break repair
cytoskeleton−dependent cytokinesis
chromosome condensation
DNA replication, removal of RNA primer
attachment of mitotic spindle microtubules to kinetochore
nuclear division
spindle localization
regulation of cell cycle
cellular component organization or biogenesis
meiotic cell cycle process
mitotic cytokinesis
metaphase plate congression
establishment of spindle localization
establishment of organelle localization
DNA replication
cytoskeleton organization
DNA repair
cellular component organization
meiotic nuclear division
DNA metabolic process
protein localization to chromosome
establishment of mitotic spindle localization
base−excision repair
mitotic sister chromatid segregation
regulation of cell cycle process
nuclear chromosome segregation
mitotic spindle organization
meiotic cell cycle
spindle organization
sister chromatid segregation
protein−DNA complex subunit organization
protein−DNA complex assembly
DNA conformation change
microtubule−based process
kinetochore assembly
microtubule cytoskeleton organization
cell division
organelle organization
centromere complex assembly
microtubule cytoskeleton organization involved in mitosis
chromosome segregation
cell cycle process
mitotic cell cycle process
mitotic cell cycle
kinetochore organization
chromosome organization
cell cycle
Term
0
3
6
9
−log10(P.DE)
Ont
BP

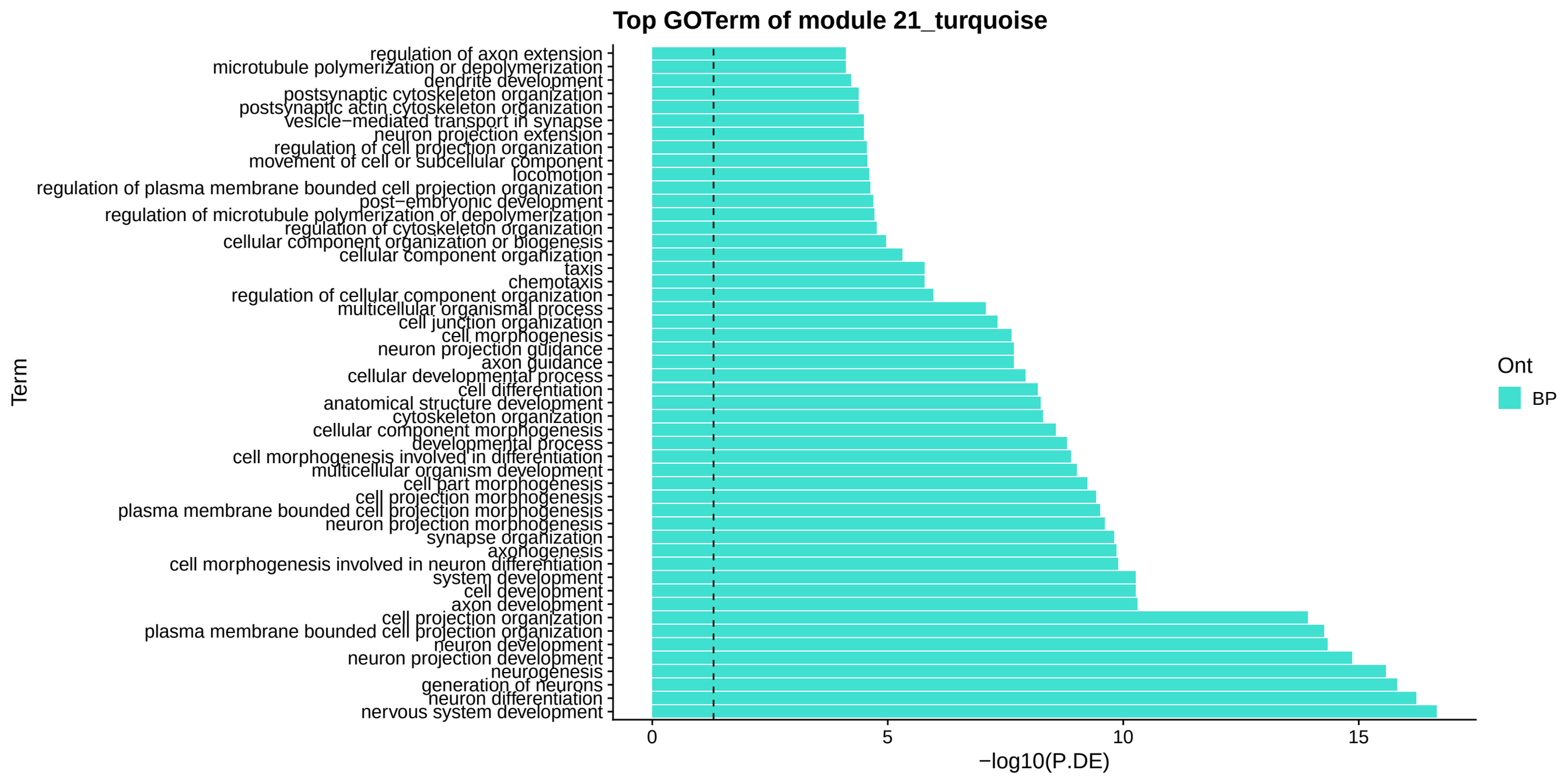

Top GOTerm of module 16_purple
transcription by RNA polymerase II
blood vessel morphogenesis
regulation of transcription by RNA polymerase II
negative regulation of cellular process
ear morphogenesis
thrombin−activated receptor signaling pathway
semicircular canal morphogenesis
response to interleukin−8
renal system process involved in regulation of systemic arterial blood pressure
renal system process involved in regulation of blood volume
renal filtration
regulation of renal system process
regulation of oxidative stress−induced intrinsic apoptotic signaling pathway
regulation of mucus secretion
regulation of glomerular filtration
protein localization to bicellular tight junction
positive regulation of establishment of endothelial barrier
positive regulation of endothelial cell development
positive regulation of DNA repair by transcription from RNA polymerase II promoter
negative regulation of oxidative stress−induced intrinsic apoptotic signaling pathway
negative regulation of mucus secretion
negative regulation of long−term synaptic depression
mucus secretion
glomerular filtration
ectodermal cell fate commitment
coronary artery morphogenesis
cellular response to interleukin−8
negative regulation of cytoskeleton organization
inner ear morphogenesis
negative regulation of protein polymerization
negative regulation of signaling
negative regulation of cell communication
cell communication
tube development
regulation of signal transduction
regulation of BMP signaling pathway
negative regulation of defense response
regulation of response to stimulus
regulation of response to stress
tube morphogenesis
regulation of body fluid levels
negative regulation of inflammatory response
regulation of signaling
cell surface receptor signaling pathway
regulation of cell communication
negative regulation of response to stimulus
purinergic nucleotide receptor signaling pathway
multicellular organismal process
artery development
artery morphogenesis
Term
0
1
2
3
4
−log10(P.DE)
Ont
BP

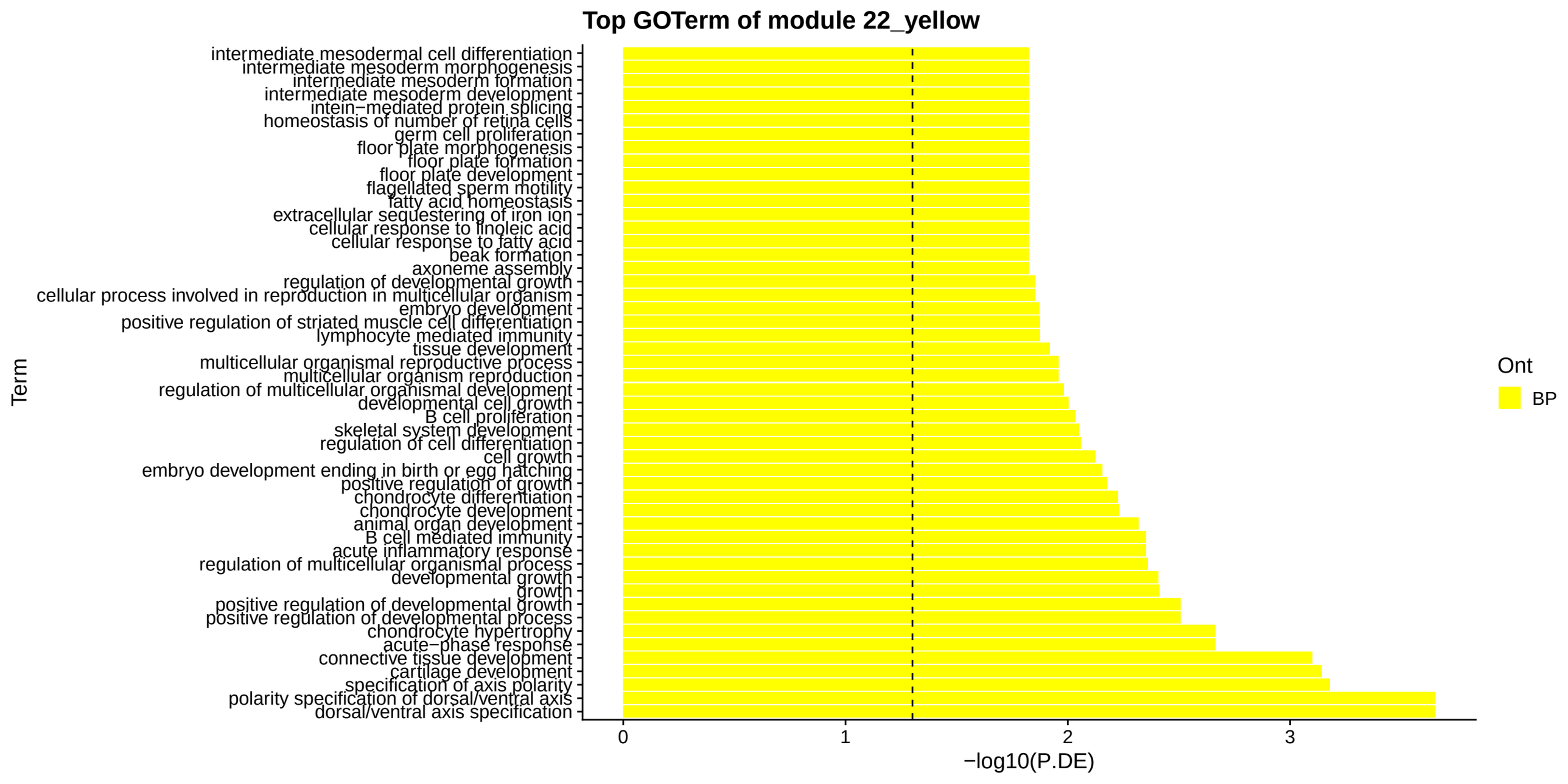

Top GOTerm of module 17_red
glandular epithelial cell development
cellular metabolic process
negative regulation of biological process
nuclear division
somatic diversification of immune receptors via germline recombination within a single locus
negative regulation of nucleobase−containing compound metabolic process
cellular biosynthetic process
response to lipid
DNA−dependent DNA replication
biological regulation
heterocycle metabolic process
negative regulation of metabolic process
kinetochore organization
cellular nitrogen compound metabolic process
meiotic cell cycle process
nucleobase−containing compound metabolic process
cellular biogenic amine catabolic process
amine catabolic process
organic hydroxy compound metabolic process
cellular aromatic compound metabolic process
kinetochore assembly
DNA recombination
metabolic process
cellular component organization or biogenesis
multicellular organismal process
alcohol biosynthetic process
primary metabolic process
secondary alcohol biosynthetic process
cholesterol biosynthetic process
multicellular organism development
cellular component organization
chromosome organization
meiosis I cell cycle process
organic substance metabolic process
mismatch repair
negative regulation of cell−cell adhesion
steroid metabolic process
anatomical structure development
organelle organization
developmental process
organic cyclic compound biosynthetic process
biosynthetic process
cellular process
organic substance biosynthetic process
biological_process
sterol metabolic process
organic cyclic compound metabolic process
steroid biosynthetic process
organic hydroxy compound biosynthetic process
sterol biosynthetic process
Term
0
2
4
6
−log10(P.DE)
Ont
BP


Top GOTerm of module 18_royalblue
mast cell activation
leukocyte degranulation
developmental pigmentation
nervous system process
programmed cell death involved in cell development
megakaryocyte differentiation
liposaccharide metabolic process
glycolipid metabolic process
embryonic hemopoiesis
detection of stimulus involved in sensory perception
pigment cell differentiation
melanocyte differentiation
lymphoid progenitor cell differentiation
epithelial cell−cell adhesion
bone cell development
amino sugar metabolic process
cell−cell adhesion
N−acetylneuraminate metabolic process
glycosphingolipid metabolic process
detection of mechanical stimulus involved in sensory perception of sound
detection of mechanical stimulus involved in sensory perception
detection of mechanical stimulus
vascular associated smooth muscle cell differentiation
response to thyroid hormone
regulation of smooth muscle cell differentiation
myeloid progenitor cell differentiation
megakaryocyte development
mast cell migration
mast cell differentiation
mast cell chemotaxis
ectopic germ cell programmed cell death
sensory perception
response to stem cell factor
response to erythropoietin
regulation of vascular associated smooth muscle cell differentiation
positive regulation of vascular associated smooth muscle cell differentiation
positive regulation of smooth muscle cell differentiation
N−acetylneuraminate catabolic process
melanocyte migration
melanocyte adhesion
Kit signaling pathway
hematopoietic stem cell migration
Fc receptor signaling pathway
erythropoietin−mediated signaling pathway
cellular response to thyroid hormone stimulus
cellular response to stem cell factor stimulus
cellular response to erythropoietin
amino sugar catabolic process
sensory perception of sound
sensory perception of mechanical stimulus
Term
0
1
2
3
−log10(P.DE)
Ont
BP


Top GOTerm of module 19_salmon
glycolytic process
ATP generation from ADP
nucleotide metabolic process
posttranscriptional regulation of gene expression
regulation of cellular amide metabolic process
purine−containing compound metabolic process
organelle fusion
antimicrobial humoral response
purine nucleotide metabolic process
cellular component organization or biogenesis
ribose phosphate metabolic process
regulation of translation
organic substance catabolic process
ribosomal large subunit biogenesis
ribonucleotide metabolic process
purine ribonucleotide metabolic process
antimicrobial humoral immune response mediated by antimicrobial peptide
ribonucleoprotein complex biogenesis
nucleoside diphosphate metabolic process
nucleotide phosphorylation
nucleoside diphosphate phosphorylation
ribosome biogenesis
cellular macromolecule metabolic process
translational elongation
cytoplasmic translation
cellular process
biological_process
metabolic process
organic substance metabolic process
cellular metabolic process
cellular protein metabolic process
macromolecule metabolic process
primary metabolic process
protein metabolic process
nitrogen compound metabolic process
cellular biosynthetic process
organonitrogen compound metabolic process
biosynthetic process
organic substance biosynthetic process
macromolecule biosynthetic process
cellular macromolecule biosynthetic process
cellular nitrogen compound biosynthetic process
gene expression
cellular nitrogen compound metabolic process
organonitrogen compound biosynthetic process
cellular amide metabolic process
peptide metabolic process
amide biosynthetic process
peptide biosynthetic process
translation
Term
0
5
10
15
−log10(P.DE)
Ont
BP


Top GOTerm of module 20_tan
peripheral nervous system development
cardiac cell development
regulation of cell differentiation
heart development
nervous system development
exocrine system development
digestive tract morphogenesis
cell adhesion
biological adhesion
regulation of ERBB signaling pathway
regulation of epidermal growth factor receptor signaling pathway
positive regulation of neural precursor cell proliferation
positive regulation of gliogenesis
positive regulation of cell−substrate junction organization
positive regulation of cell−matrix adhesion
negative regulation of MAP kinase activity
developmental pigmentation
regulation of neuroblast proliferation
positive regulation of focal adhesion assembly
platelet−derived growth factor receptor signaling pathway
regulation of cell development
mesenchyme development
pigment cell differentiation
melanocyte differentiation
regulation of nervous system development
regulation of T cell receptor signaling pathway
regulation of antigen receptor−mediated signaling pathway
positive regulation of neuroblast proliferation
negative regulation of T cell receptor signaling pathway
negative regulation of protein kinase B signaling
negative regulation of antigen receptor−mediated signaling pathway
autonomic nervous system development
mesenchymal cell differentiation
regulation of neurogenesis
negative regulation of ERBB signaling pathway
negative regulation of epidermal growth factor receptor signaling pathway
lacrimal gland development
gliogenesis
enteric nervous system development
cardiac neuron differentiation
cardiac neuron development
glial cell differentiation
oligodendrocyte differentiation
glial cell development
oligodendrocyte development
central nervous system myelination
axon ensheathment in central nervous system
myelination
ensheathment of neurons
axon ensheathment
Term
0
1
2
3
4
−log10(P.DE)
Ont
BP


Top GOTerm of module 21_turquoise
regulation of axon extension
microtubule polymerization or depolymerization
dendrite development
postsynaptic cytoskeleton organization
postsynaptic actin cytoskeleton organization
vesicle−mediated transport in synapse
neuron projection extension
regulation of cell projection organization
movement of cell or subcellular component
locomotion
regulation of plasma membrane bounded cell projection organization
post−embryonic development
regulation of microtubule polymerization or depolymerization
regulation of cytoskeleton organization
cellular component organization or biogenesis
cellular component organization
taxis
chemotaxis
regulation of cellular component organization
multicellular organismal process
cell junction organization
cell morphogenesis
neuron projection guidance
axon guidance
cellular developmental process
cell differentiation
anatomical structure development
cytoskeleton organization
cellular component morphogenesis
developmental process
cell morphogenesis involved in differentiation
multicellular organism development
cell part morphogenesis
cell projection morphogenesis
plasma membrane bounded cell projection morphogenesis
neuron projection morphogenesis
synapse organization
axonogenesis
cell morphogenesis involved in neuron differentiation
system development
cell development
axon development
cell projection organization
plasma membrane bounded cell projection organization
neuron development
neuron projection development
neurogenesis
generation of neurons
neuron differentiation
nervous system development
Term
0
5
10
15
−log10(P.DE)
Ont
BP


Top GOTerm of module 22_yellow
intermediate mesodermal cell differentiation
intermediate mesoderm morphogenesis
intermediate mesoderm formation
intermediate mesoderm development
intein−mediated protein splicing
homeostasis of number of retina cells
germ cell proliferation
floor plate morphogenesis
floor plate formation
floor plate development
flagellated sperm motility
fatty acid homeostasis
extracellular sequestering of iron ion
cellular response to linoleic acid
cellular response to fatty acid
beak formation
axoneme assembly
regulation of developmental growth
cellular process involved in reproduction in multicellular organism
embryo development
positive regulation of striated muscle cell differentiation
lymphocyte mediated immunity
tissue development
multicellular organismal reproductive process
multicellular organism reproduction
regulation of multicellular organismal development
developmental cell growth
B cell proliferation
skeletal system development
regulation of cell differentiation
cell growth
embryo development ending in birth or egg hatching
positive regulation of growth
chondrocyte differentiation
chondrocyte development
animal organ development
B cell mediated immunity
acute inflammatory response
regulation of multicellular organismal process
developmental growth
growth
positive regulation of developmental growth
positive regulation of developmental process
chondrocyte hypertrophy
acute−phase response
connective tissue development
cartilage development
specification of axis polarity
polarity specification of dorsal/ventral axis
dorsal/ventral axis specification
Term
0
1
2
3
−log10(P.DE)
Ont
BP