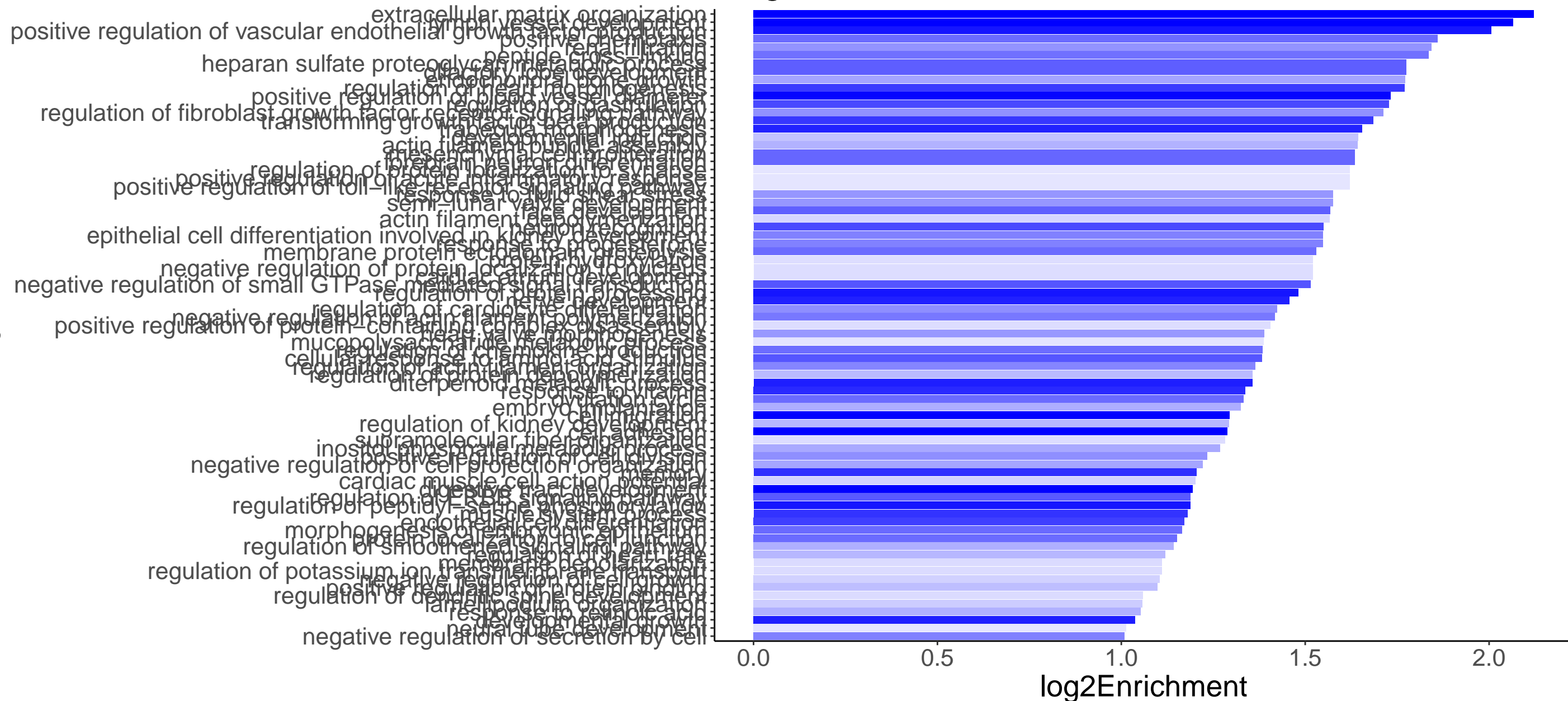


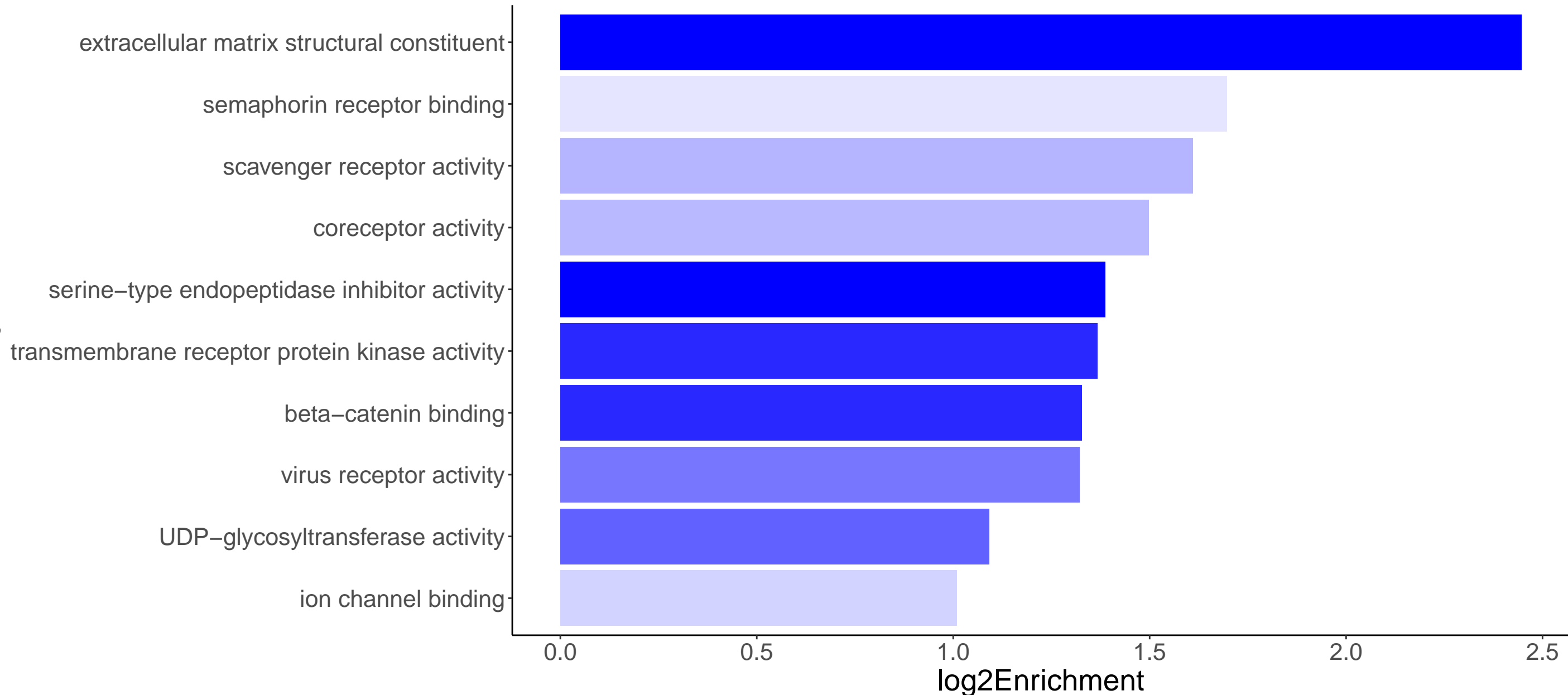
Original module 5 BP enrichment

Term



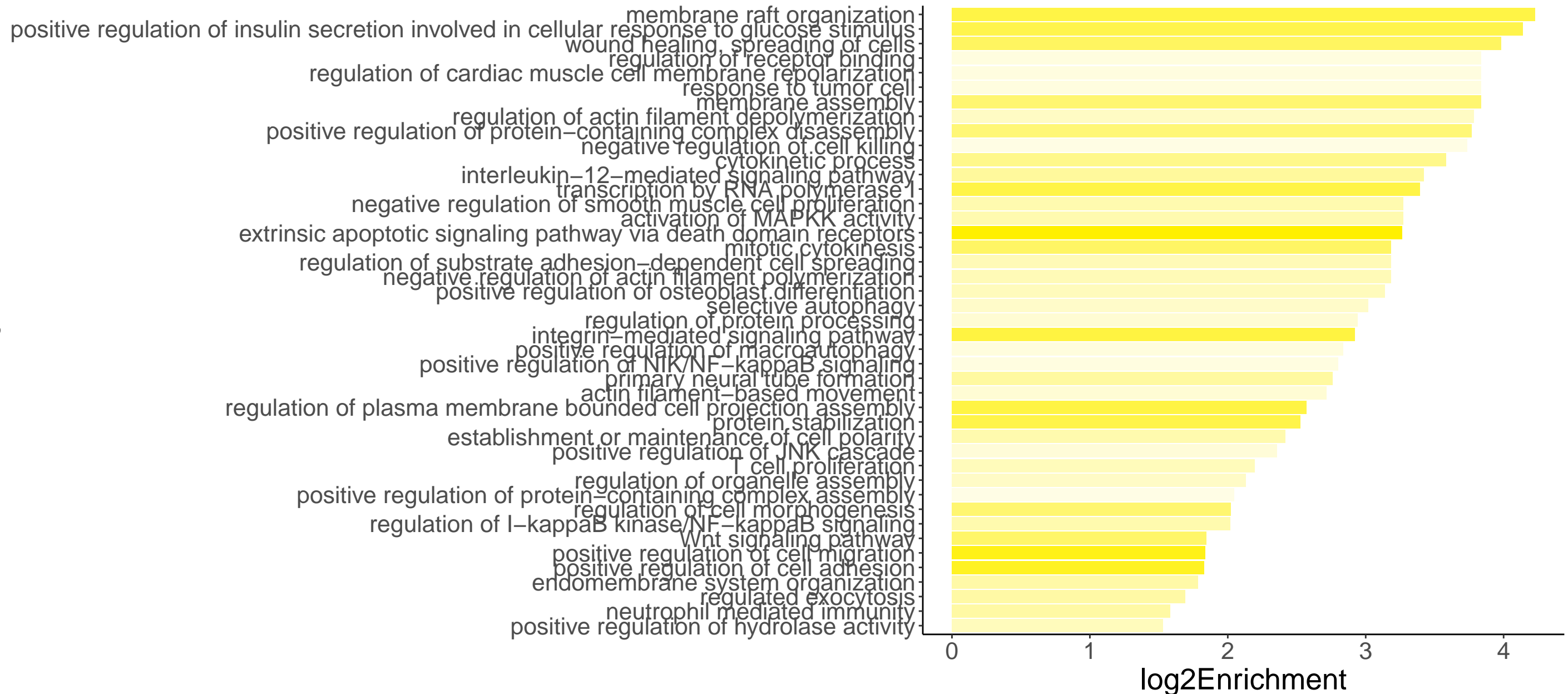
Original module 5 MF enrichment

Term



Re-clustered module 5.1 BP enrichment

Term



Re-clustered module 5.1 MF enrichment

Term

phosphatidylinositol biphosphate binding

protein phosphatase binding

protease binding

actin binding

calcium ion binding

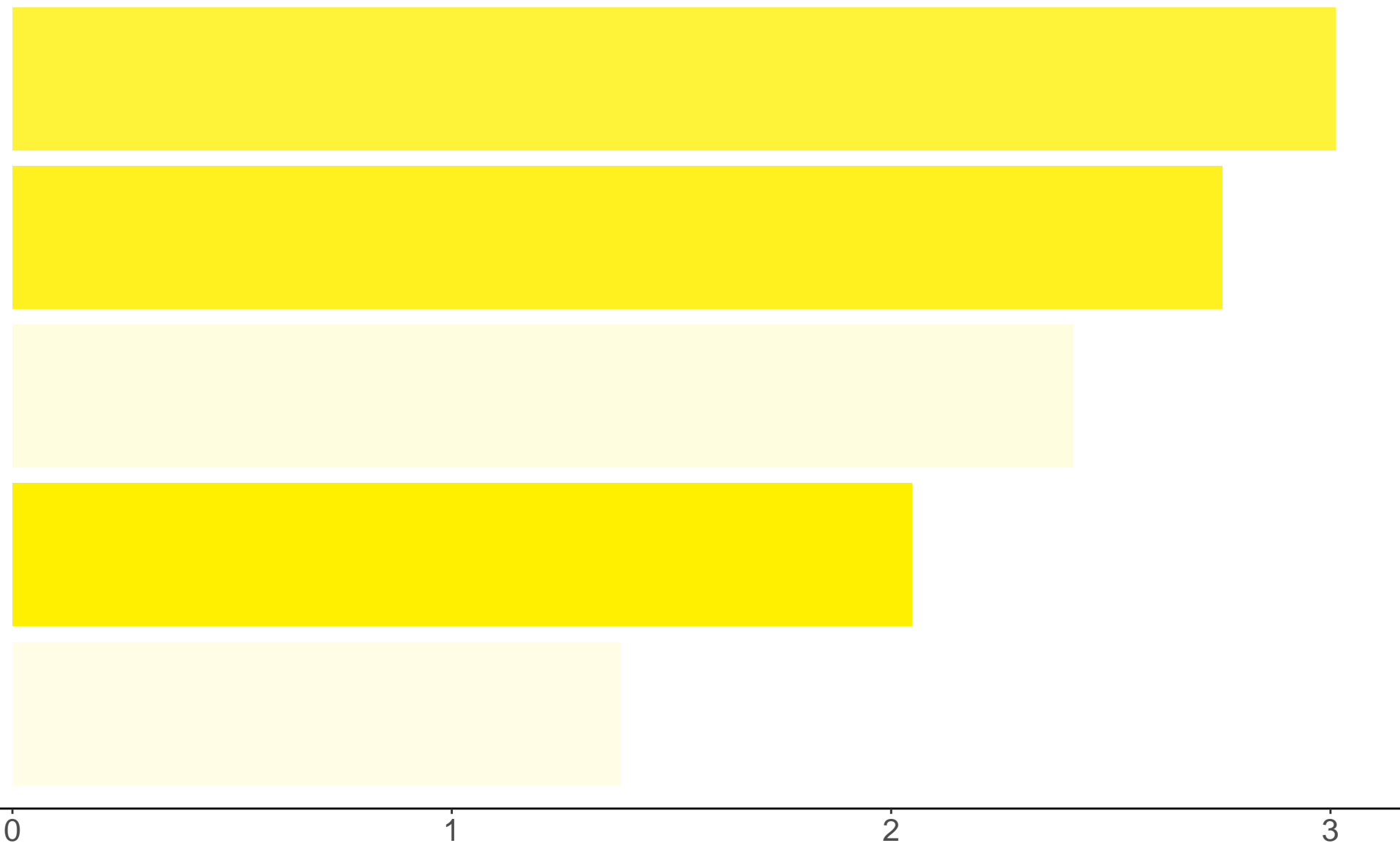
0

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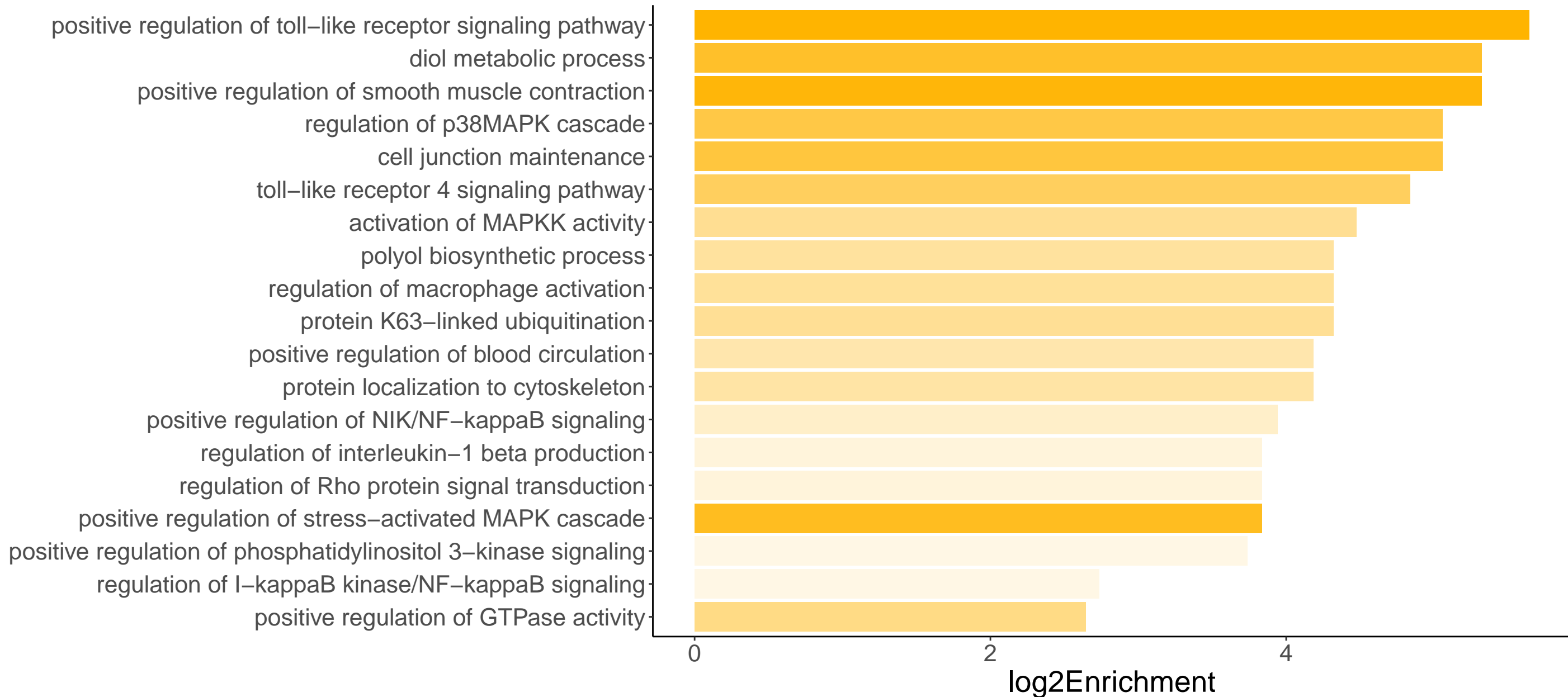
3

log2Enrichment



Re-clustered module 5.10 BP enrichment

Term



Re-clustered module 5.10 MF enrichment

Term

G-protein alpha-subunit binding

protein phosphatase 2A binding

tumor necrosis factor receptor superfamily binding

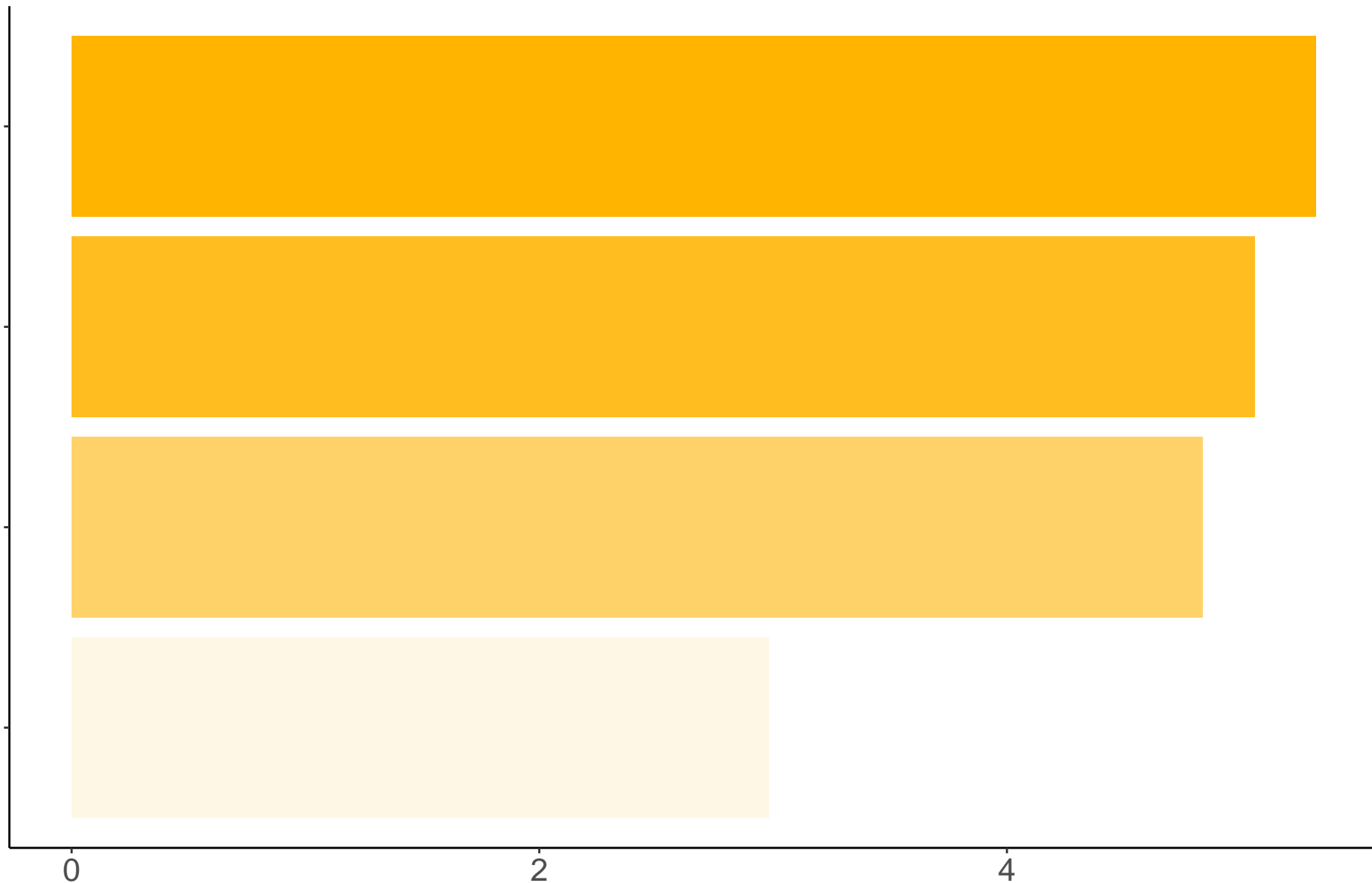
guanyl-nucleotide exchange factor activity

0

2

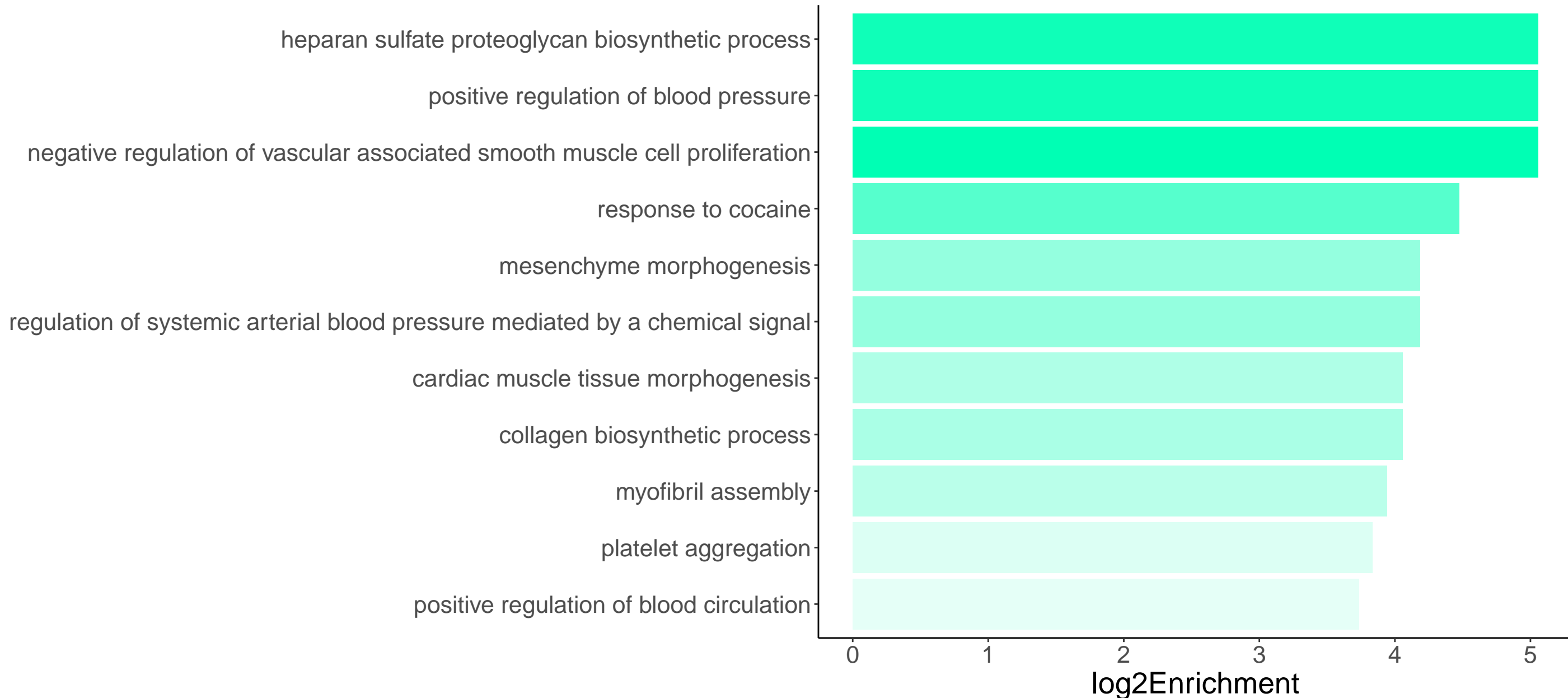
4

log2Enrichment



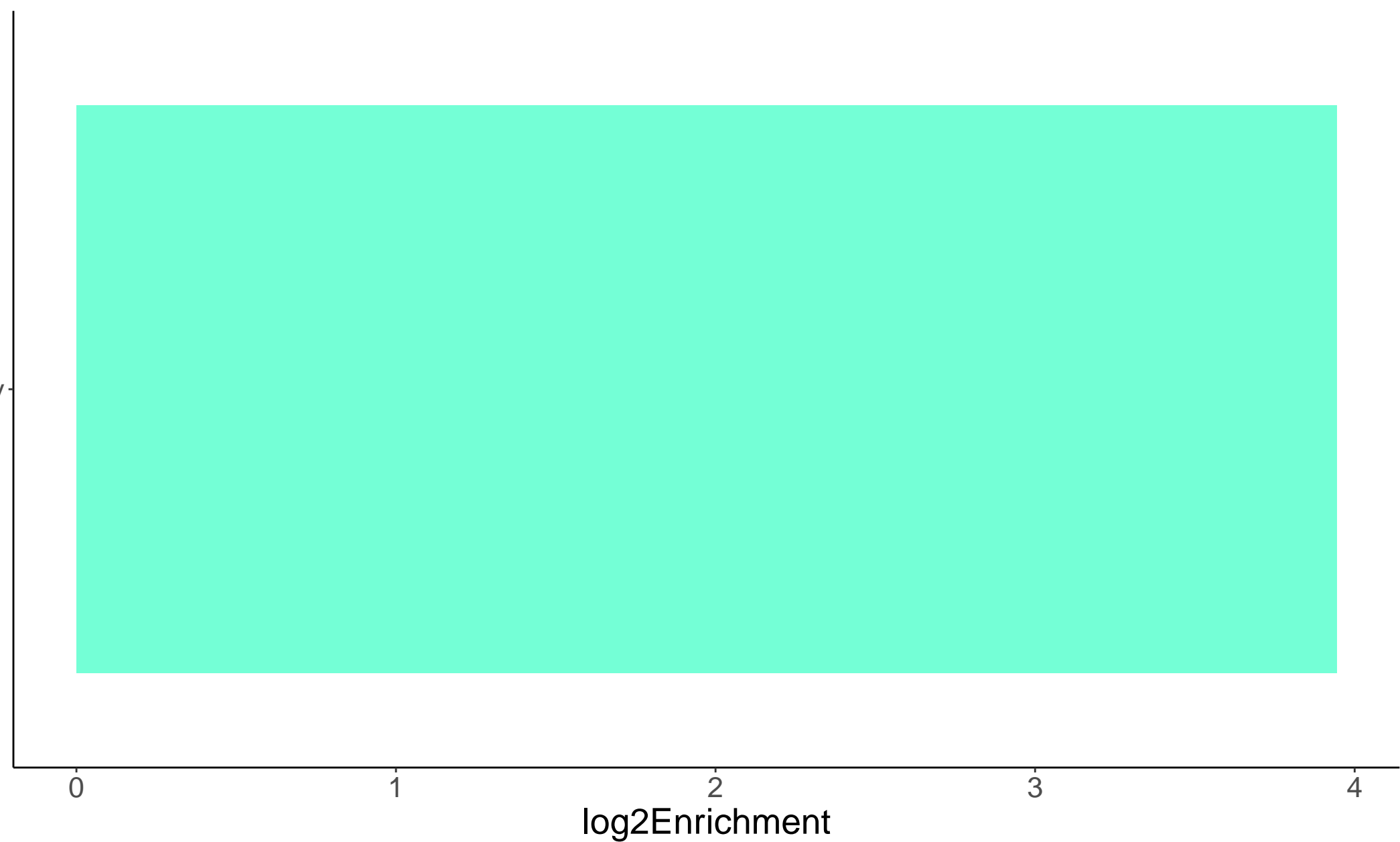
Re-clustered module 5.11 BP enrichment

Term



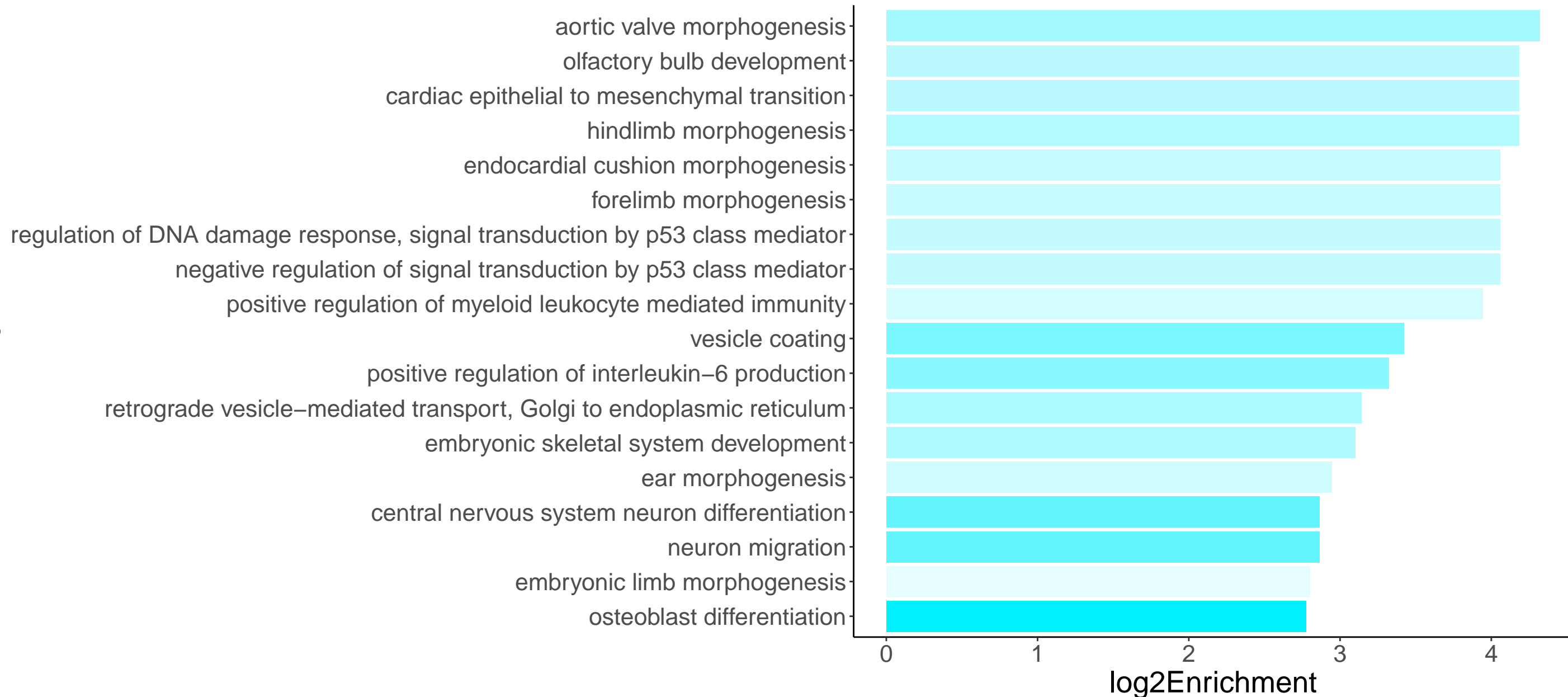
Re-clustered module 5.11 MF enrichment

Term
acetylglucosaminyltransferase activity



Re-clustered module 5.12 BP enrichment

Term



Re-clustered module 5.12 MF enrichment

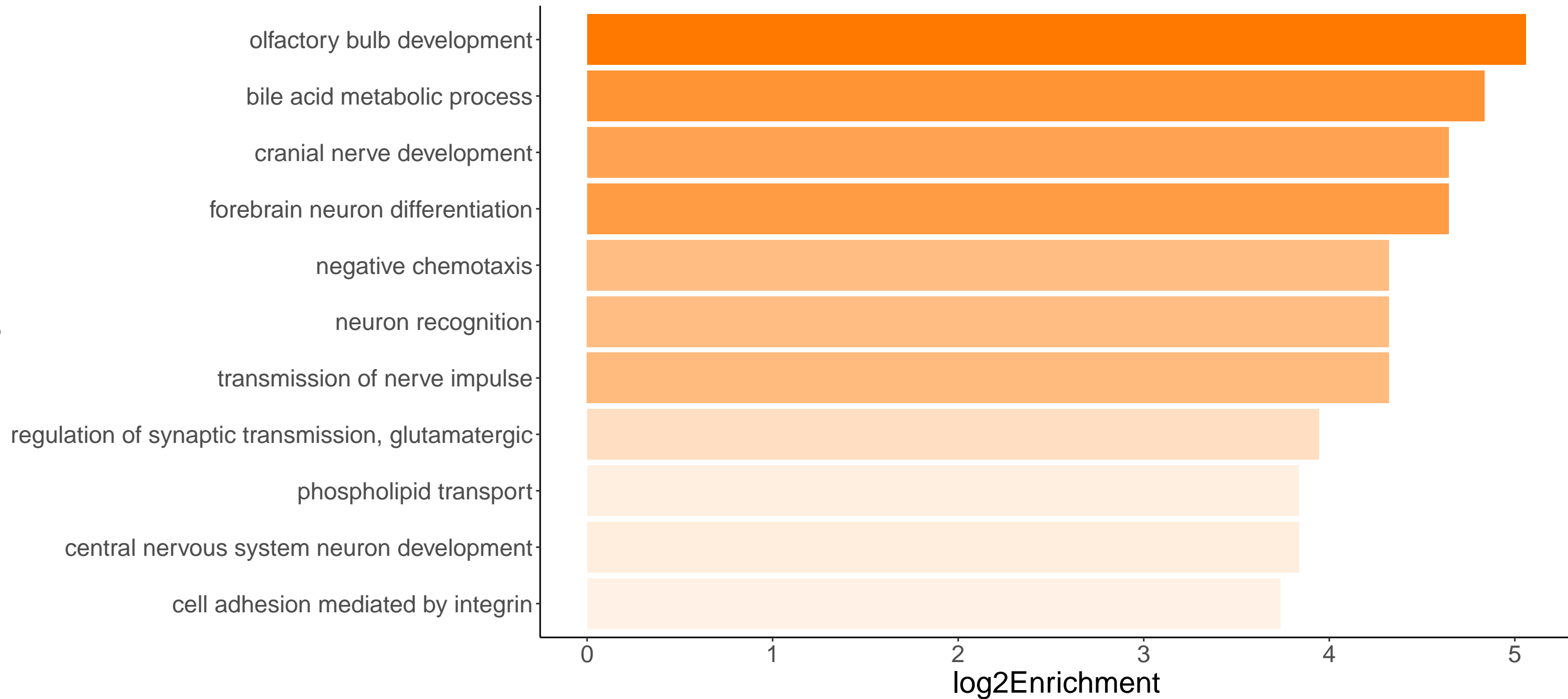
Term

log2Enrichment



Re-clustered module 5.13 BP enrichment

Term



Re-clustered module 5.13 MF enrichment

Term

cholesterol binding

lipid transporter activity

receptor tyrosine kinase binding

0

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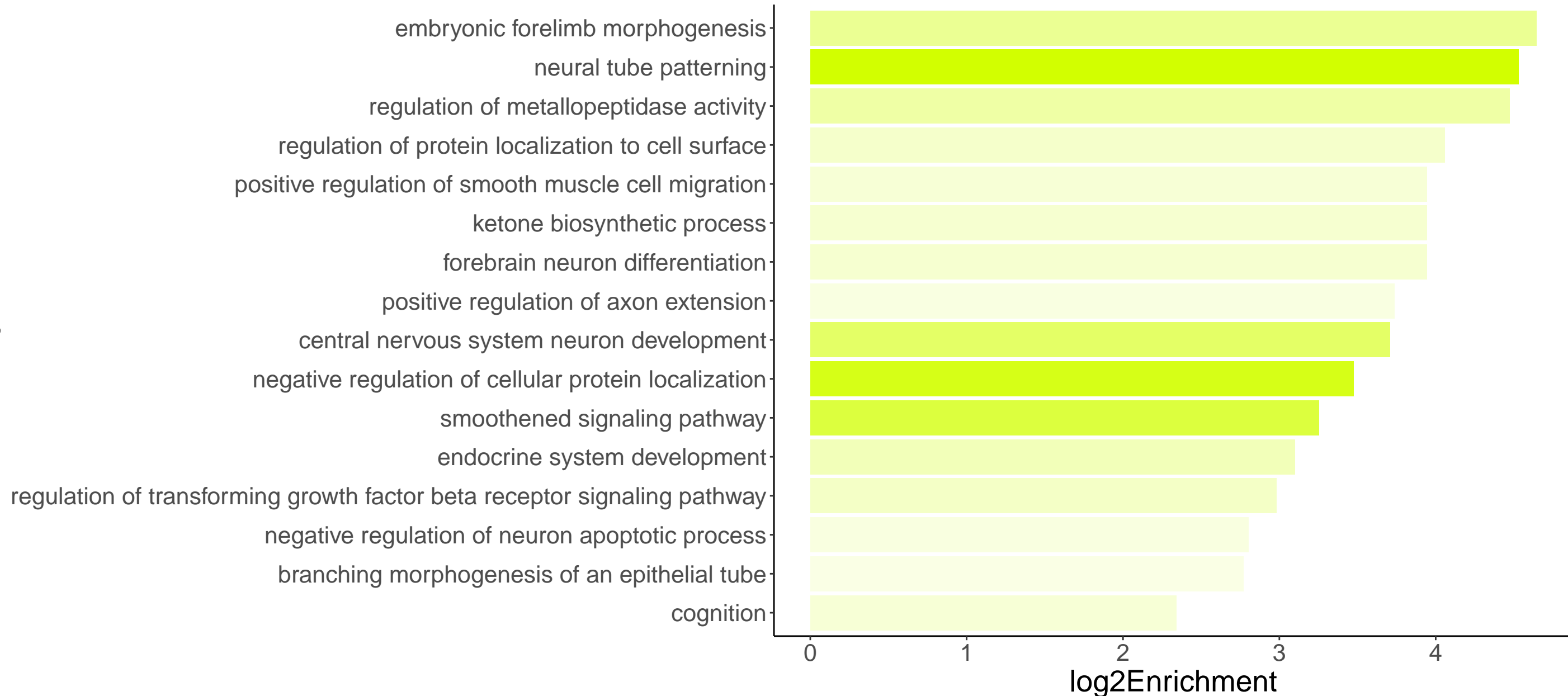
4

log2Enrichment



Re-clustered module 5.14 BP enrichment

Term



Re-clustered module 5.14 MF enrichment

Term

coreceptor activity

proteoglycan binding

growth factor binding

0

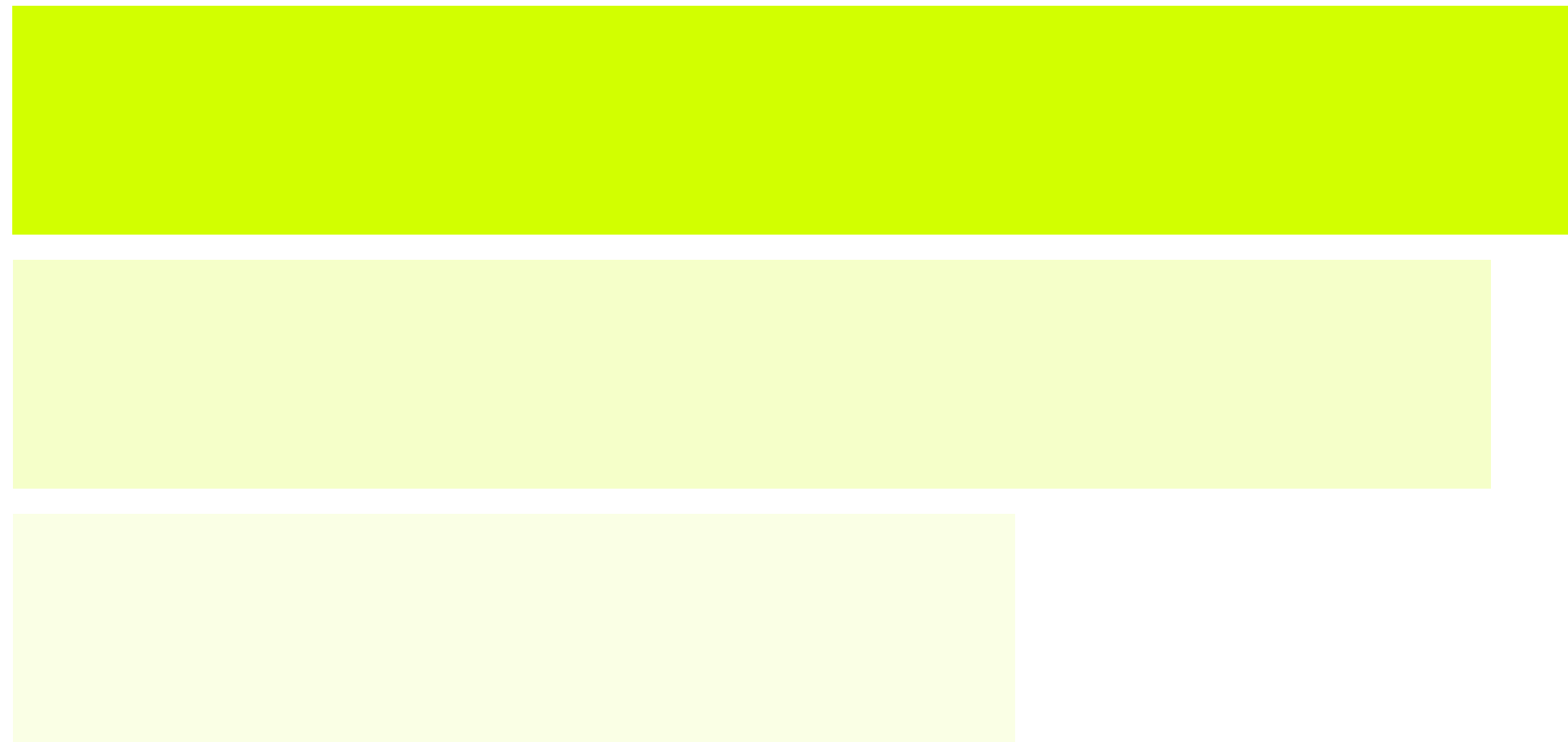
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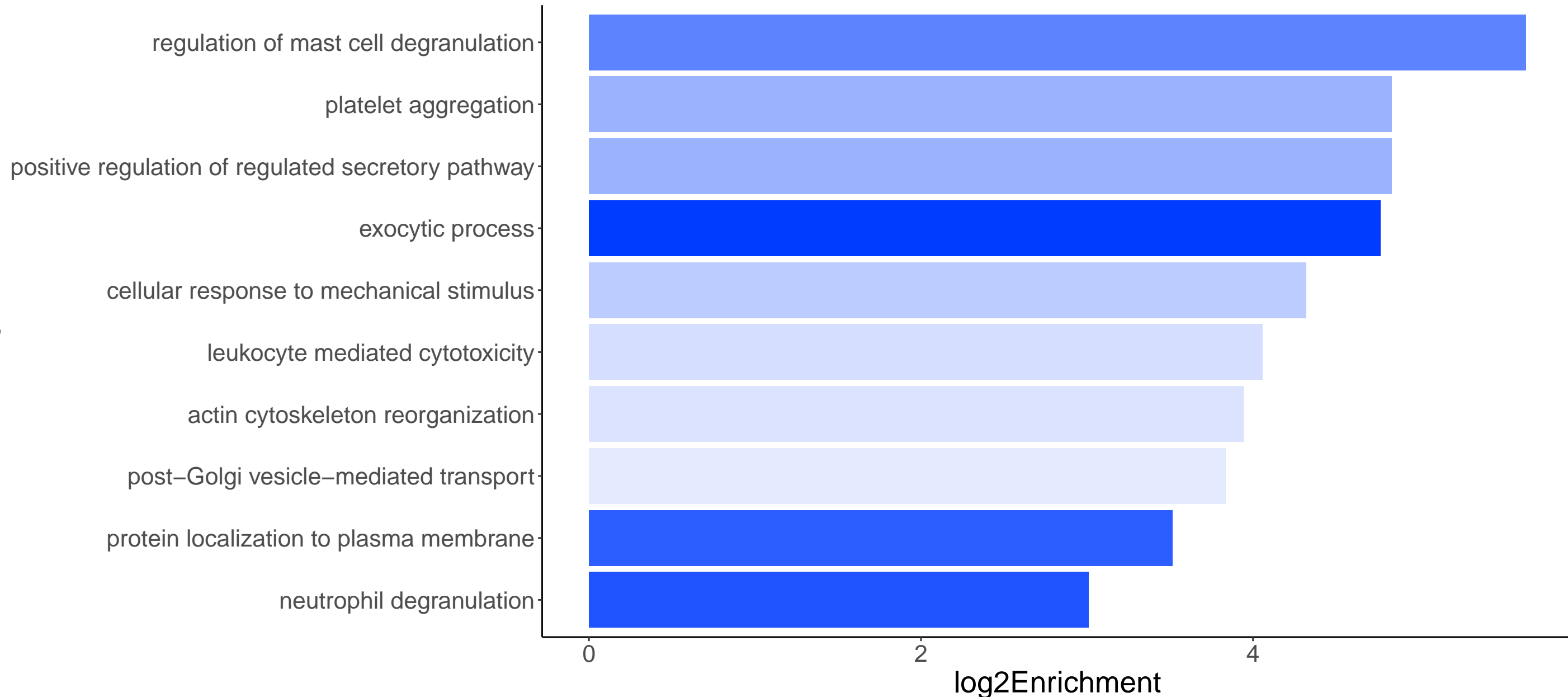
4

log2Enrichment



Re-clustered module 5.15 BP enrichment

Term



Re-clustered module 5.15 MF enrichment

Term

voltage-gated potassium channel activity

syntaxin binding

ion channel binding

0

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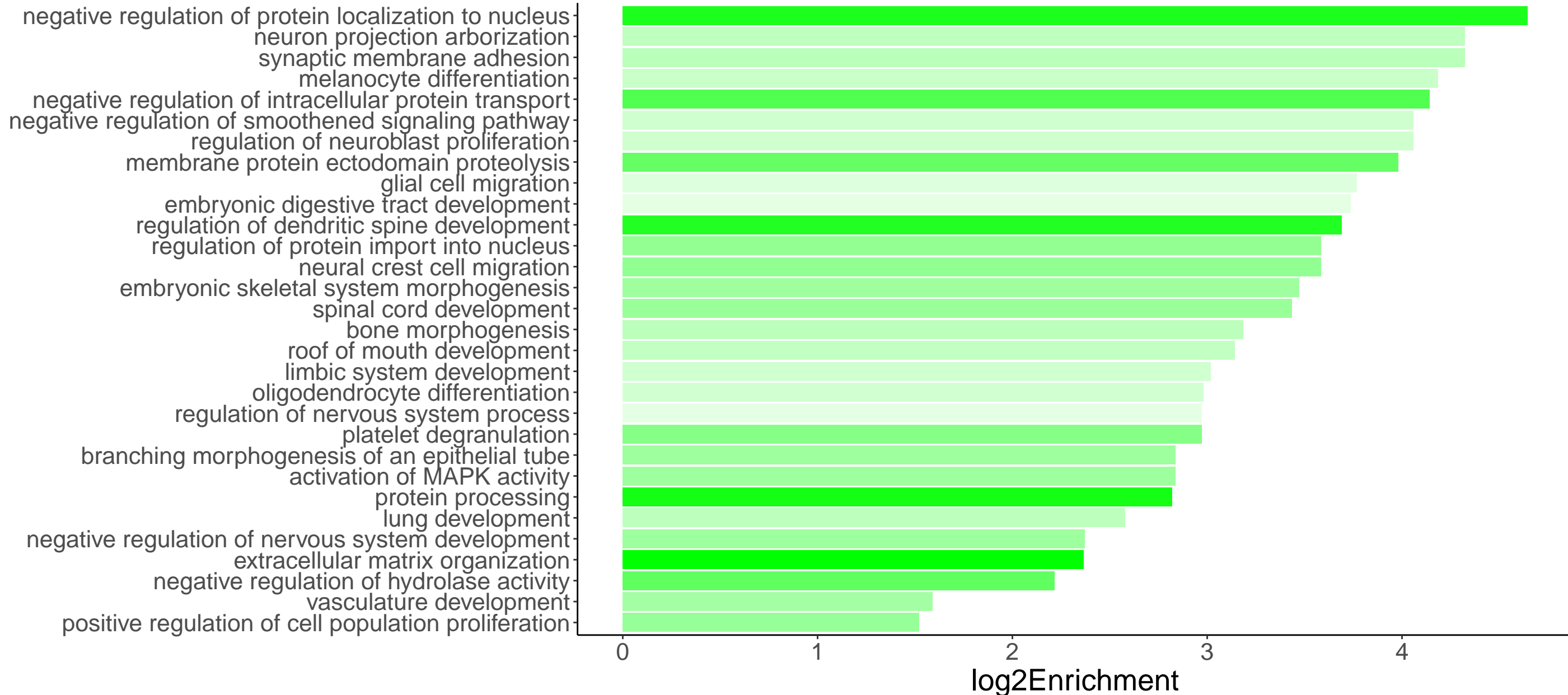
5

log2Enrichment



Re-clustered module 5.16 BP enrichment

Term



Re-clustered module 5.16 MF enrichment

Term

extracellular matrix structural constituent

metallopeptidase activity

enzyme inhibitor activity

SH3 domain binding

proteoglycan binding

glycolipid binding

0

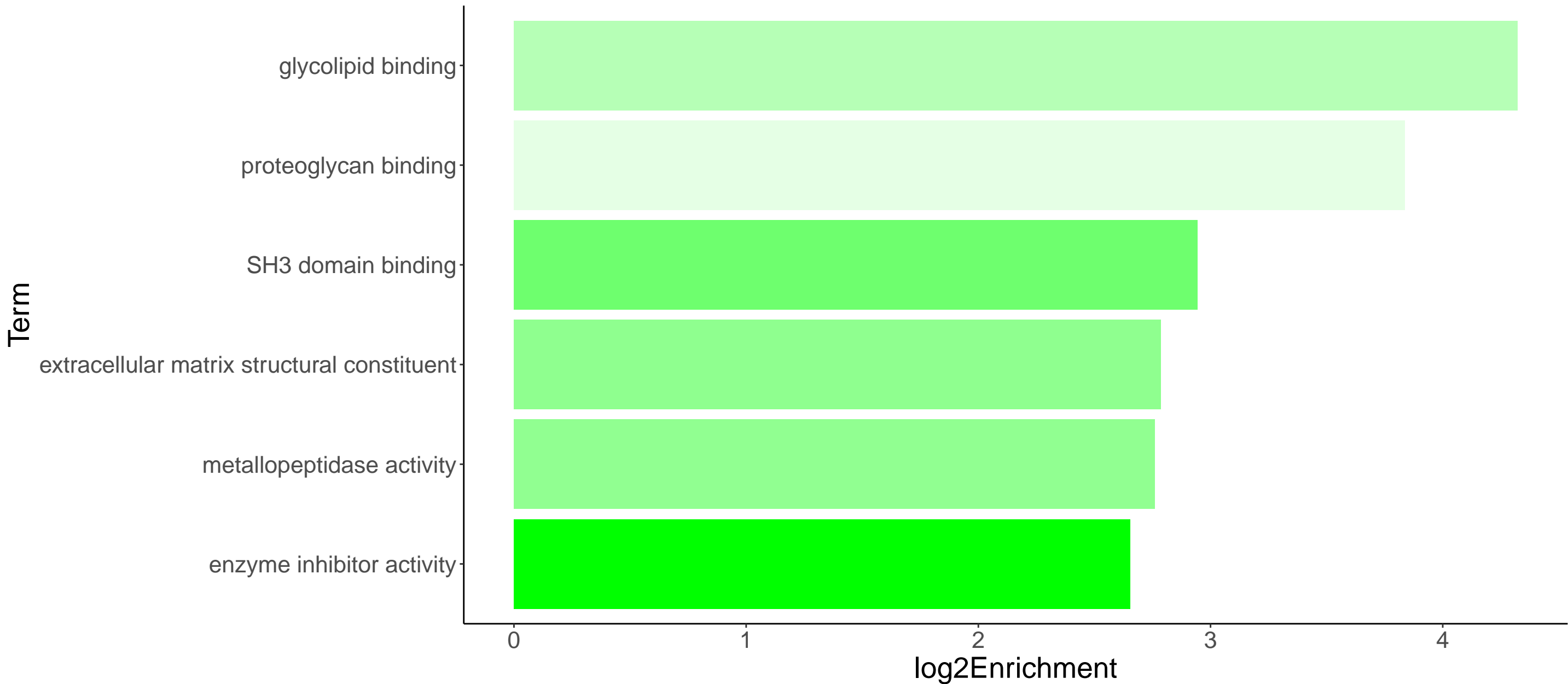
1

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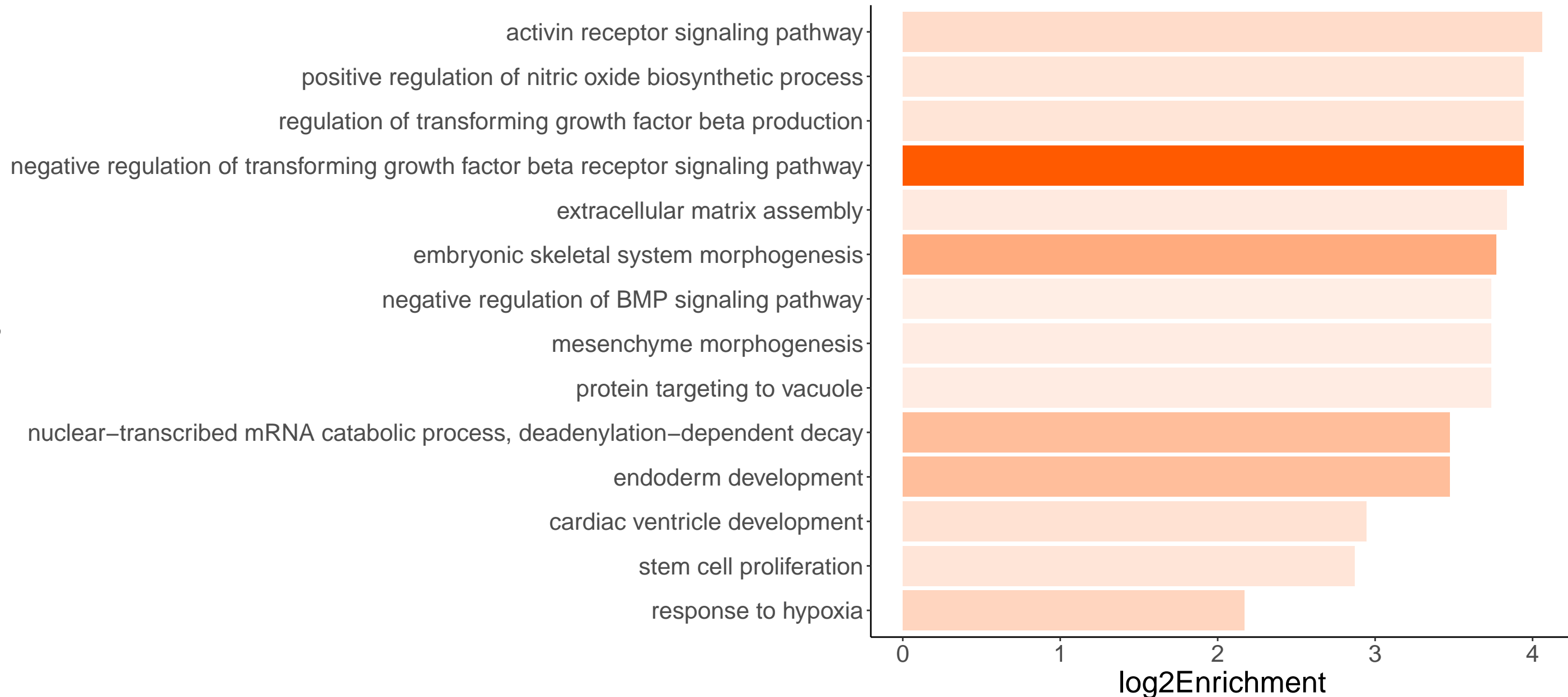
4

log2Enrichment



Re-clustered module 5.17 BP enrichment

Term



Re-clustered module 5.17 MF enrichment

Term

dynein light intermediate chain binding

cytokine receptor binding

0

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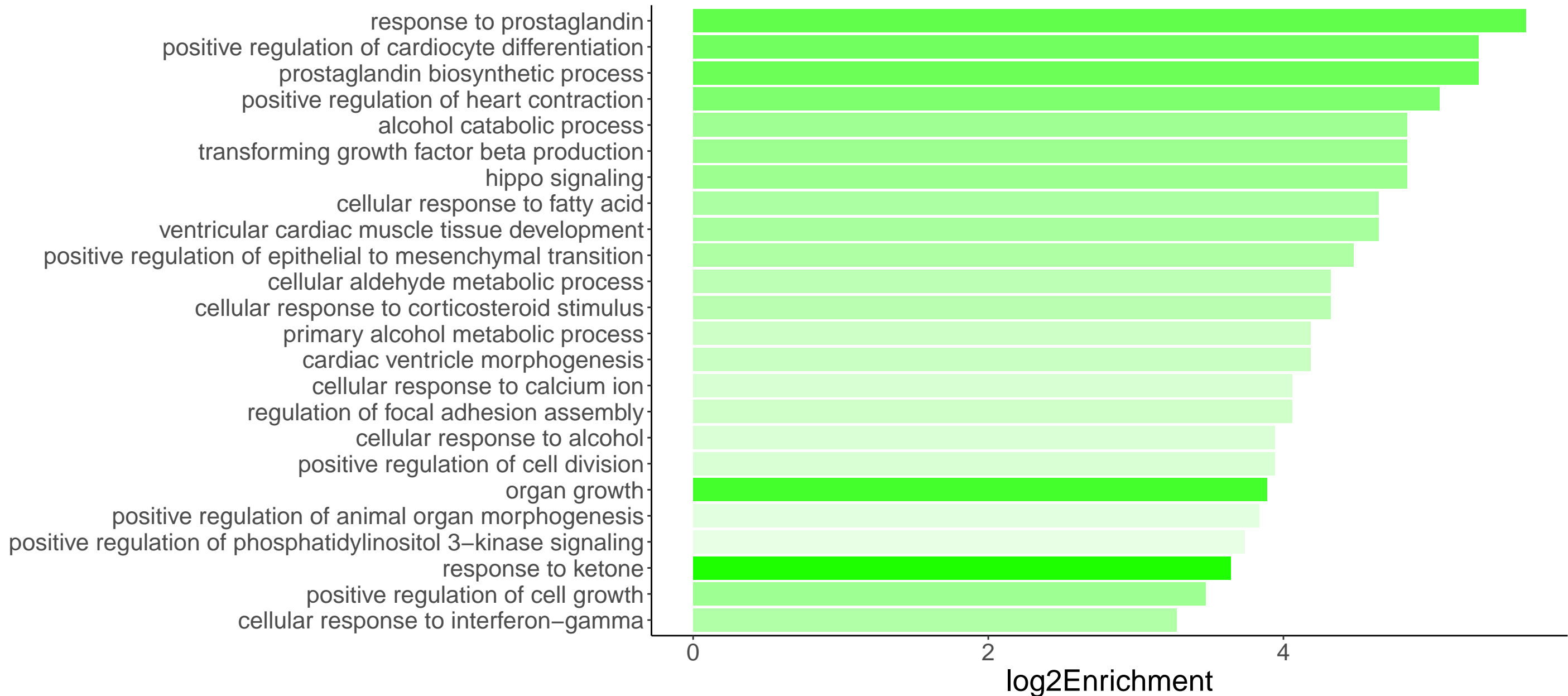
4

log2Enrichment



Re-clustered module 5.18 BP enrichment

Term



Re-clustered module 5.18 MF en

Term

oxidoreductase activity, acting on the aldehyde or oxo group of donors, NAD or NADP as acceptor

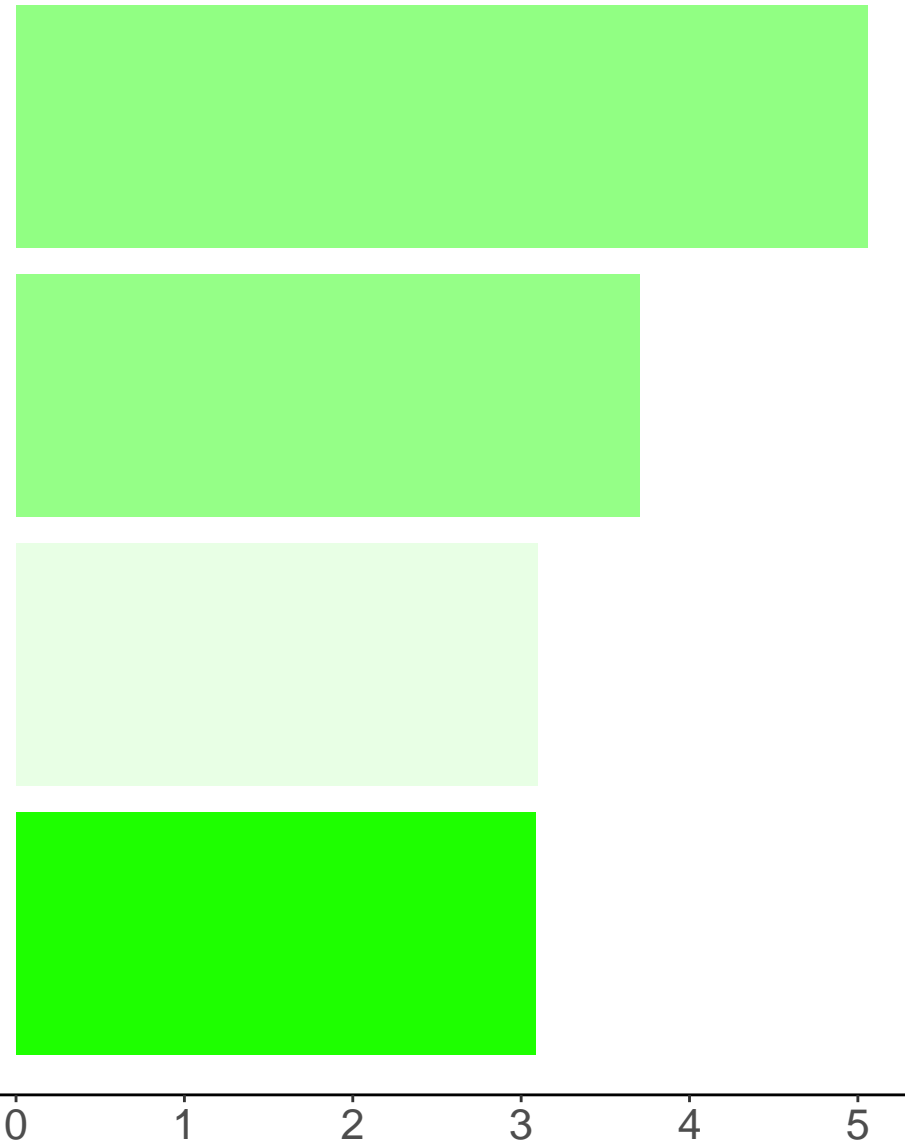
growth factor binding

cytokine receptor binding

receptor ligand activity

0 1 2 3 4 5

log2Enrichment



Re-clustered module 5.19 BP enrichment

Term

substrate adhesion-dependent cell spreading

integrin-mediated signaling pathway

regulation of cell shape

0

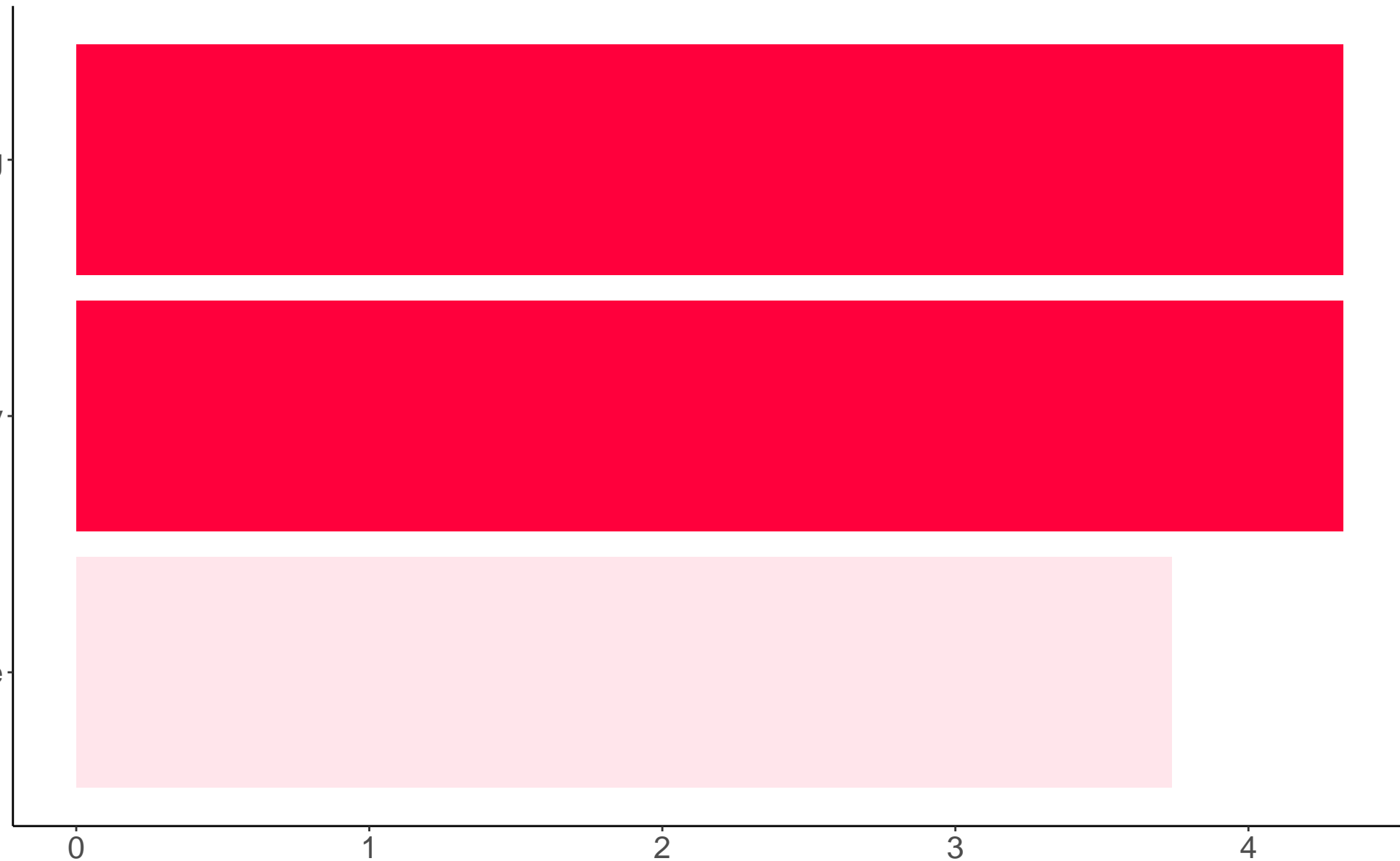
1

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log2Enrichment



Re-clustered module 5.19 MF enrichment

Term

cytokine binding

protein-containing complex binding

0

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4

log2Enrichment



Re-clustered module 5.2 BP enrichment

Term

cell volume homeostasis

negative regulation of BMP signaling pathway

skeletal system morphogenesis

0

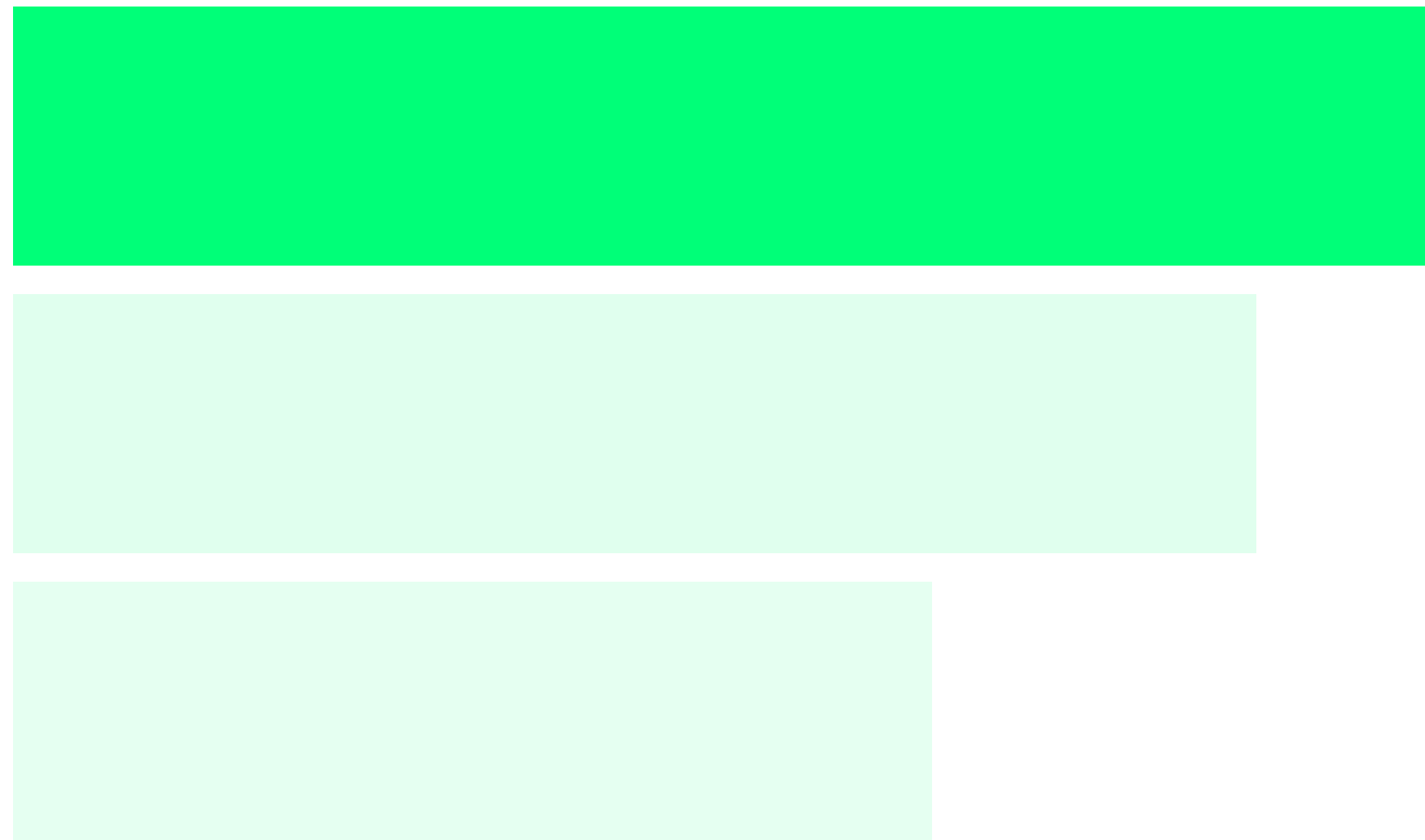
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log2Enrichment



Re-clustered module 5.2 MF enrichment

Term

extracellular matrix binding

copper ion binding

growth factor binding

growth factor activity

0

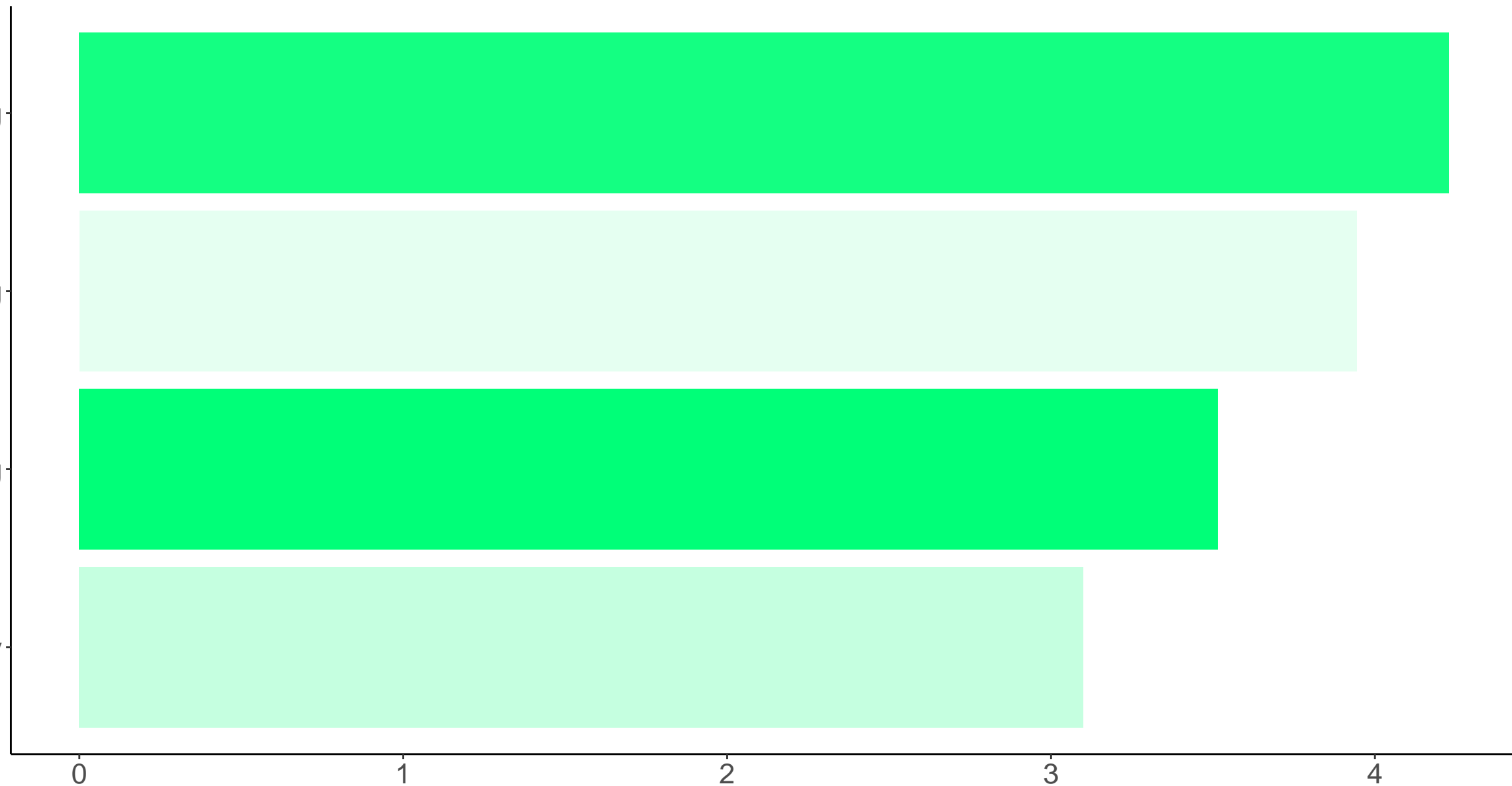
1

2

3

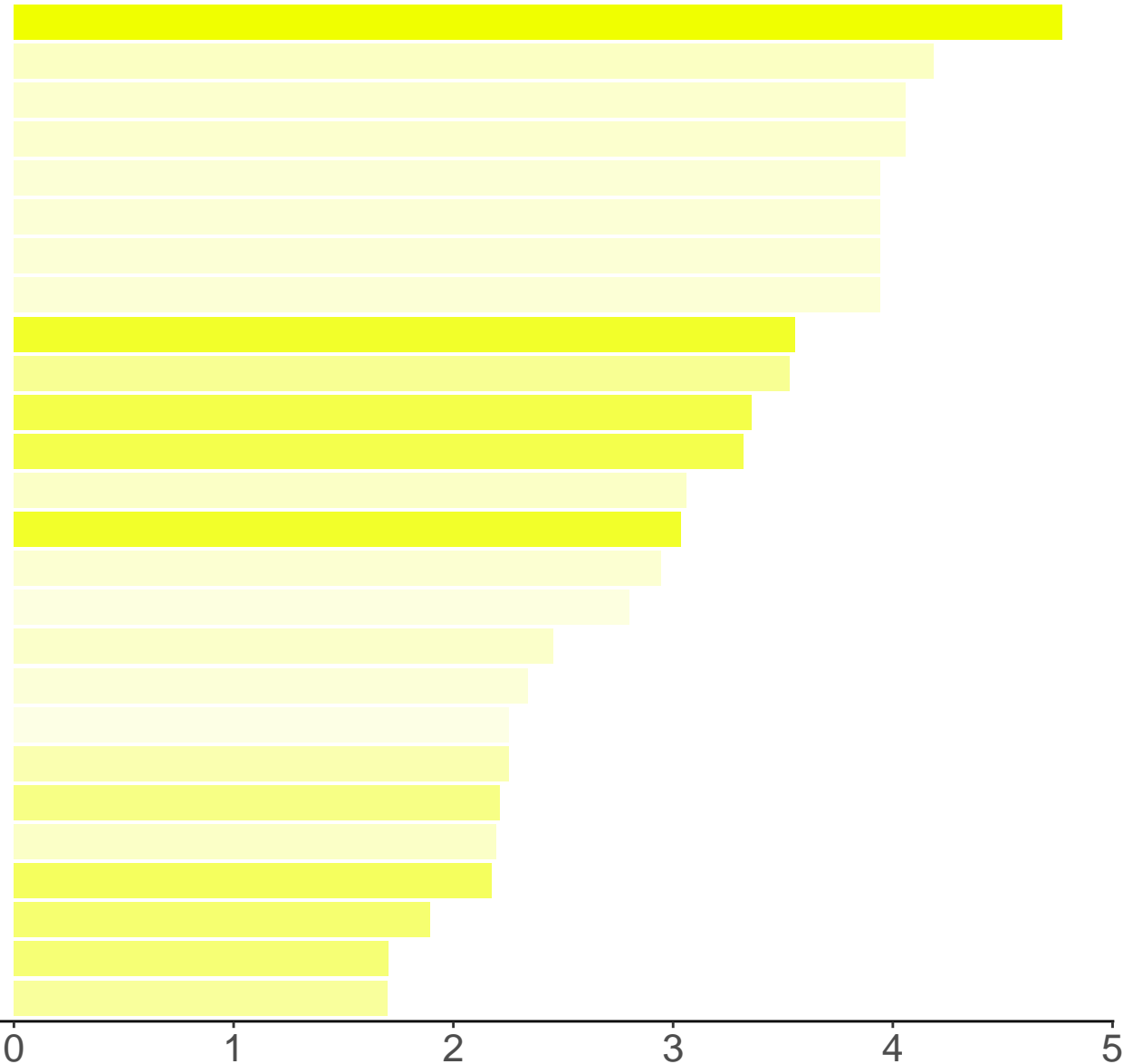
4

log2Enrichment



Re-clustered module 5.20 BP enrichment

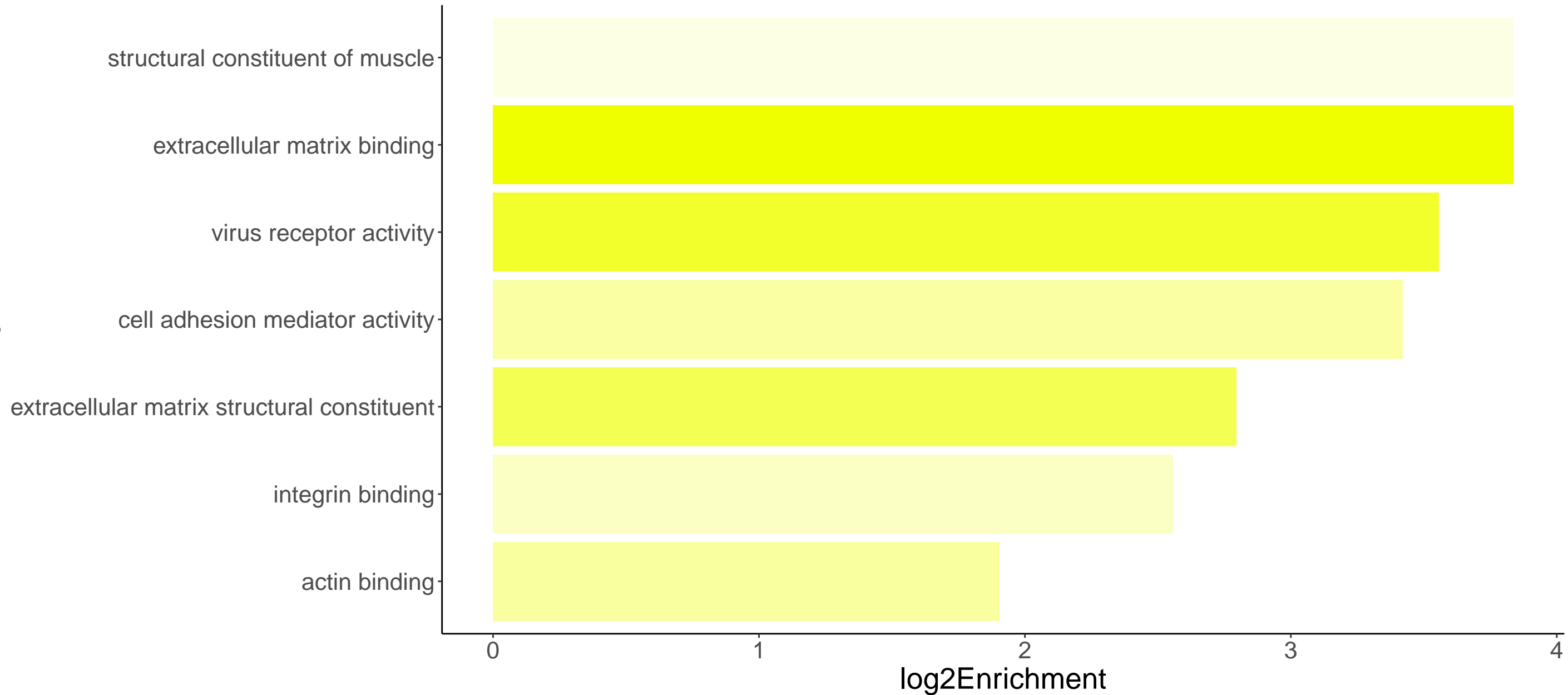
positive regulation of positive chemotaxis
regulation of superoxide anion generation
entrainment of circadian clock by photoperiod
embryonic camera-type eye morphogenesis
negative regulation of cell migration involved in sprouting angiogenesis
positive regulation of Rho protein signal transduction
positive regulation of transforming growth factor beta receptor signaling pathway
mesodermal cell differentiation
regulation of interleukin-8 production
positive regulation of nervous system process
cornification
embryonic placenta development
cellular response to mechanical stimulus
viral entry into host cell
hair follicle development
cellular hormone metabolic process
regulation of cell shape
regulation of plasma membrane bounded cell projection assembly
positive regulation of epithelial cell proliferation
regulation of protein kinase B signaling
epithelial cell migration
axon guidance
canonical Wnt signaling pathway
anatomical structure formation involved in morphogenesis
regulation of cell migration
morphogenesis of an epithelium



log2Enrichment

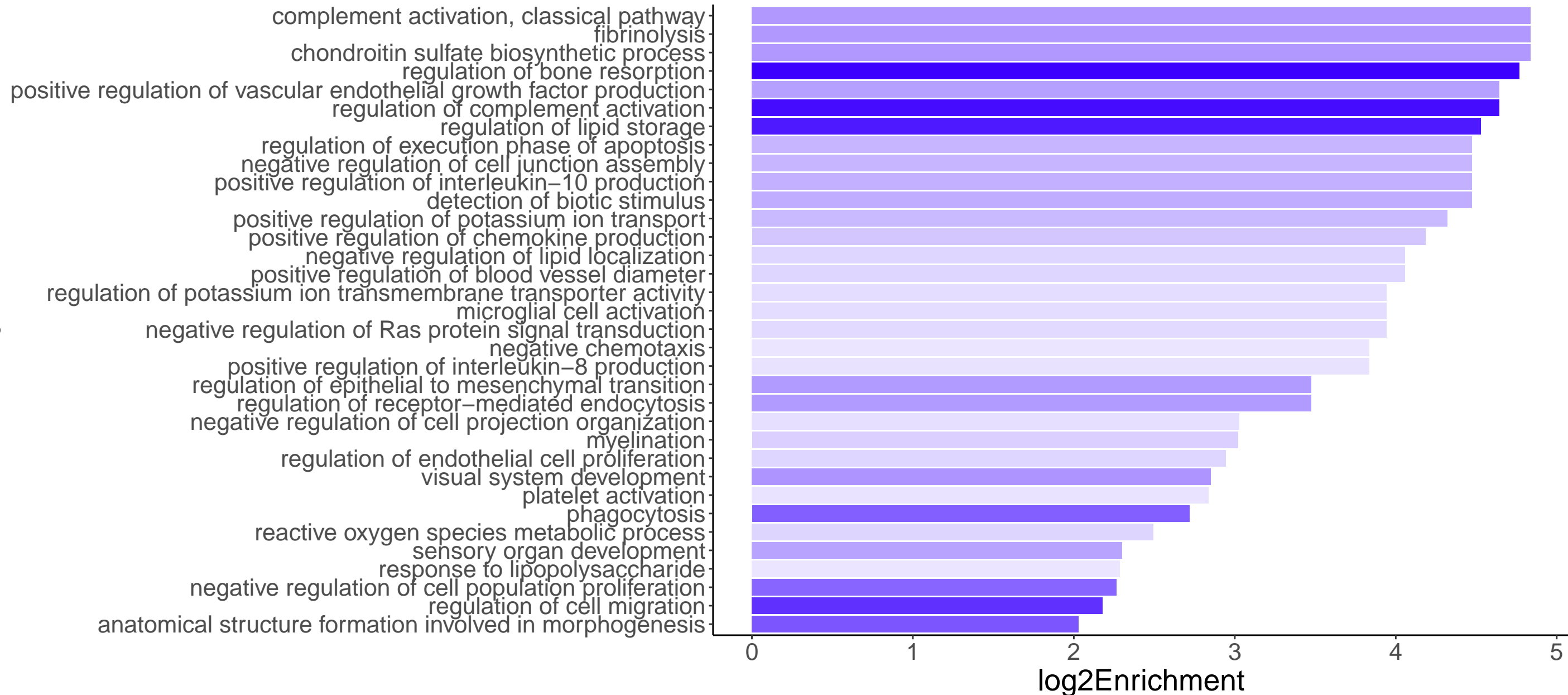
Re-clustered module 5.20 MF enrichment

Term



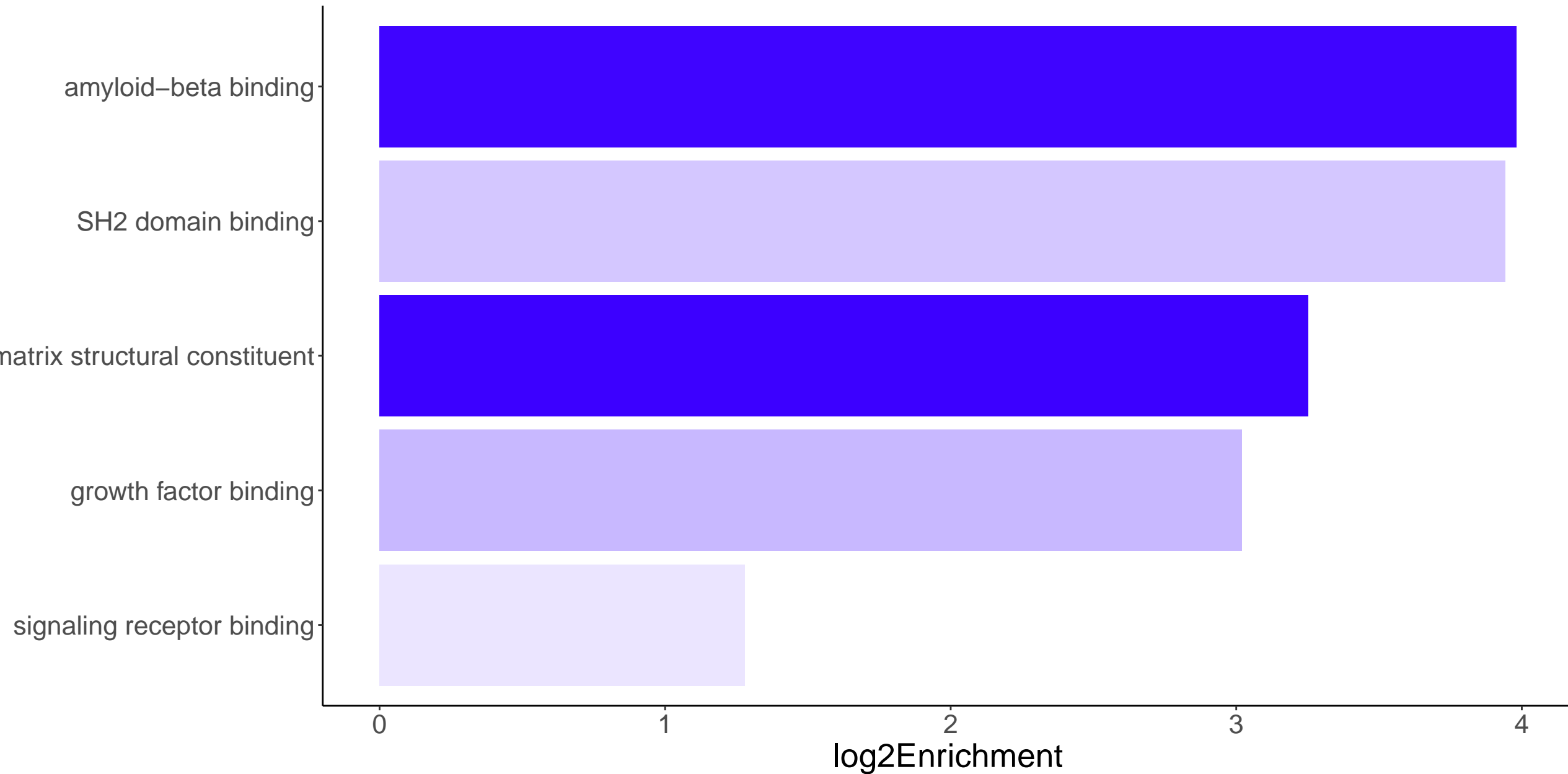
Re-clustered module 5.21 BP enrichment

Term



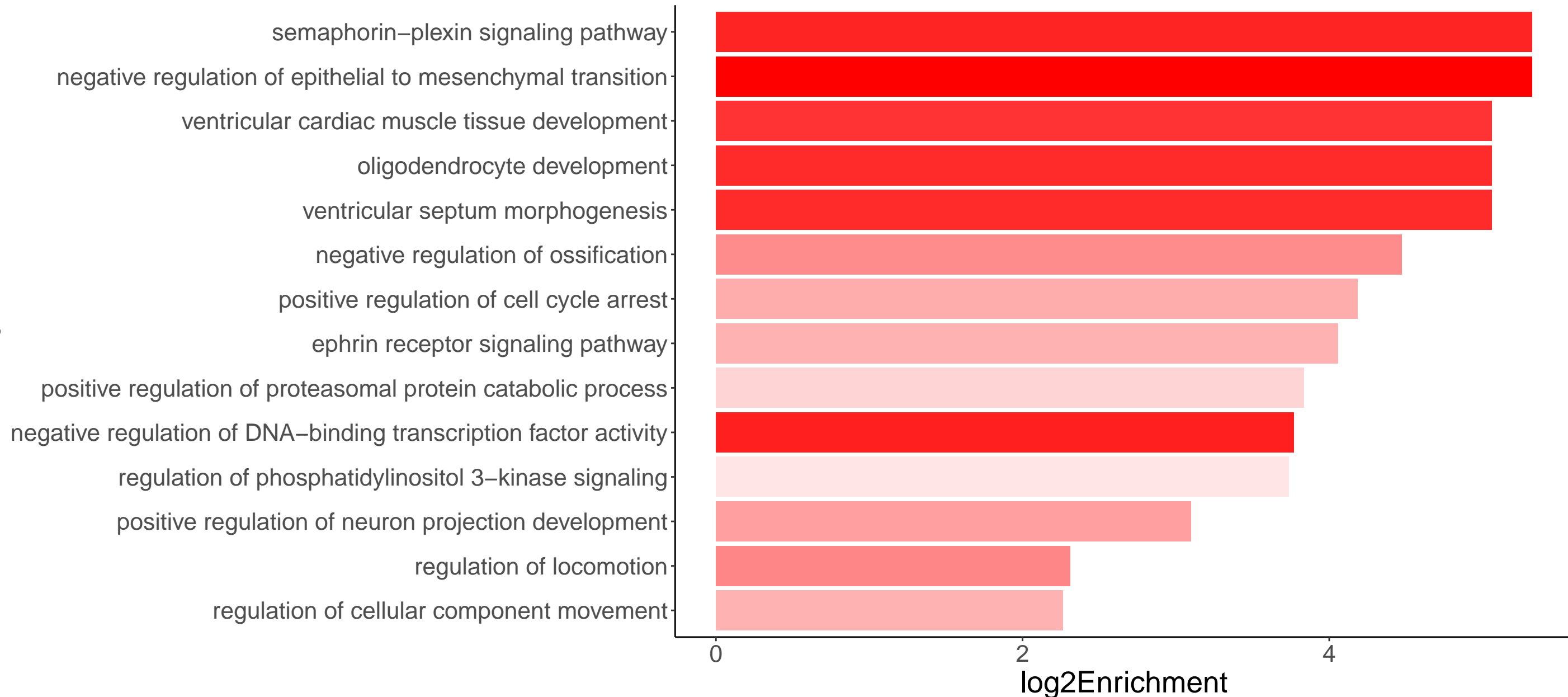
Re-clustered module 5.21 MF enrichment

Term



Re-clustered module 5.22 BP enrichment

Term



Re-clustered module 5.22 MF enrichment

Term

calcium channel activity

0

1

2

3

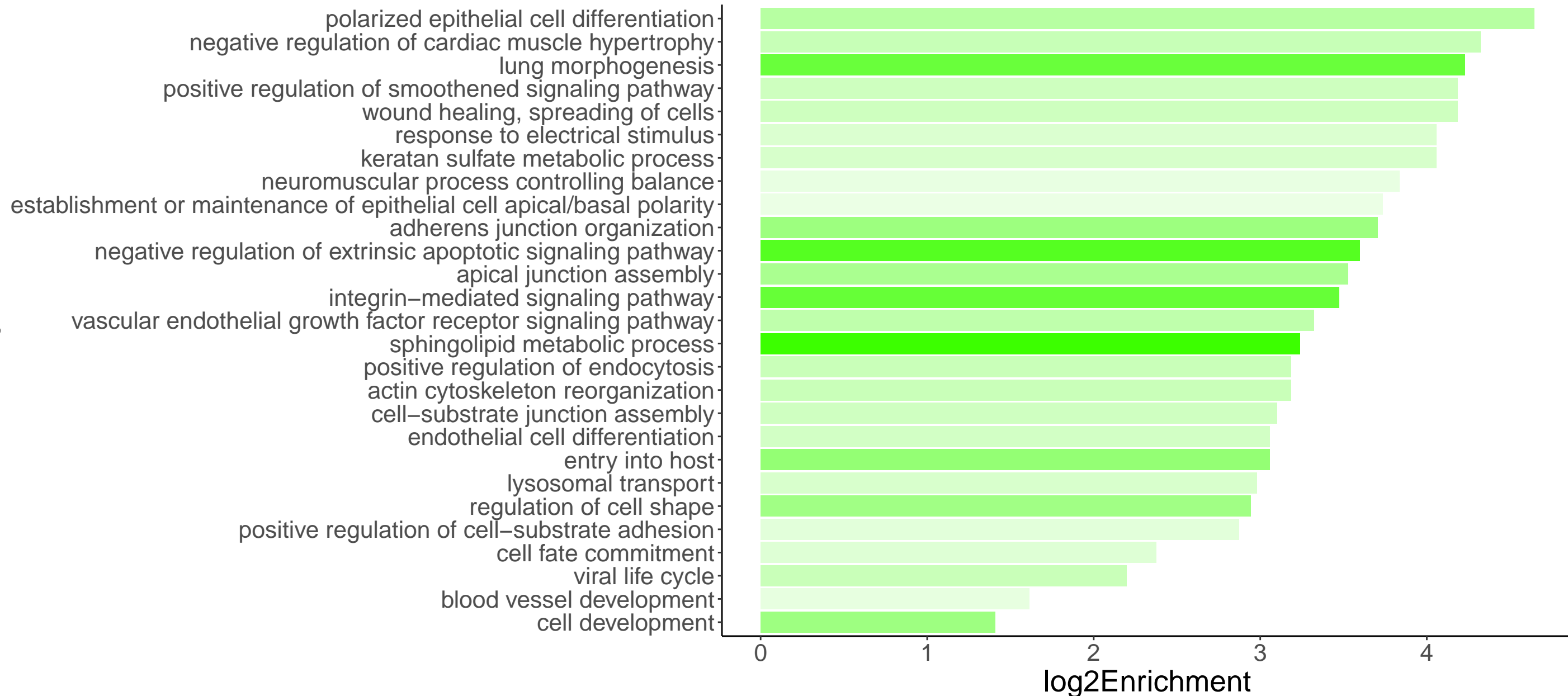
4

log2Enrichment



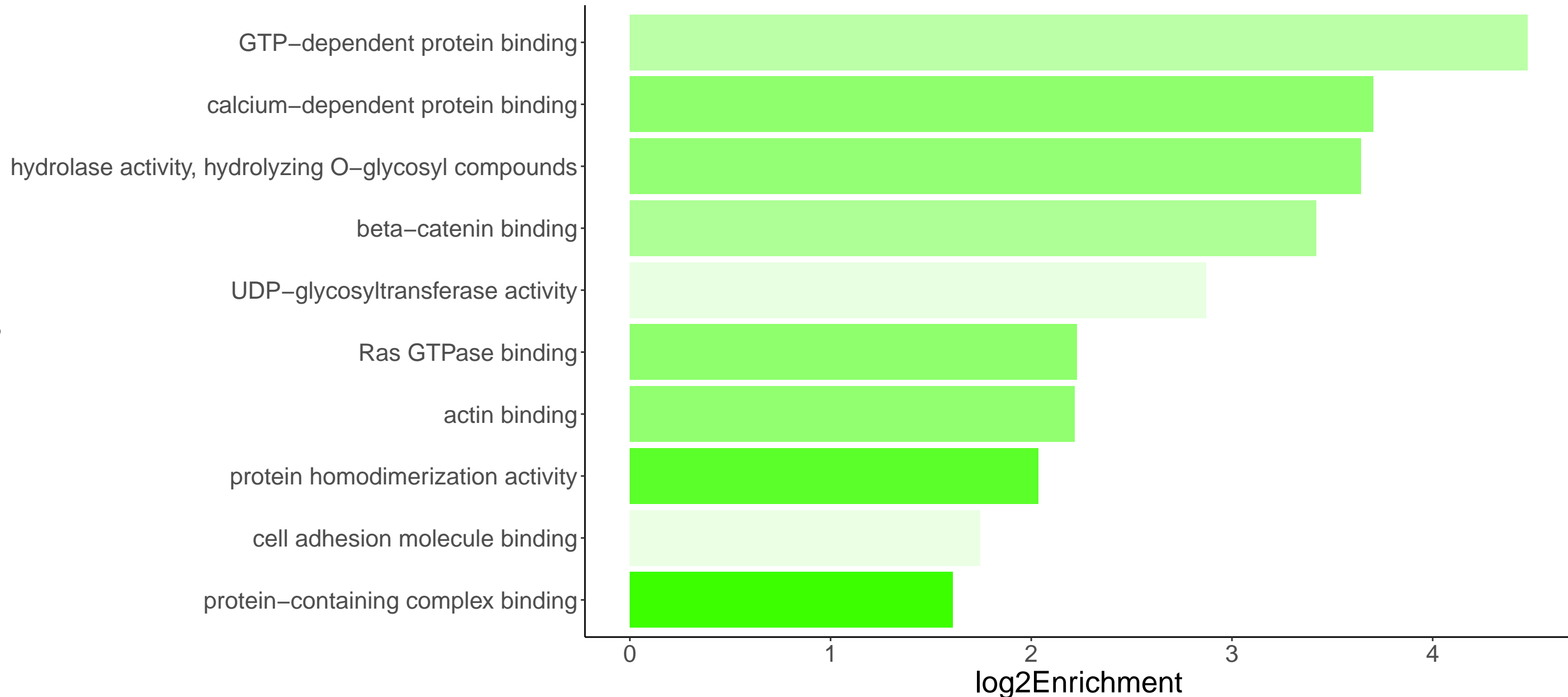
Re-clustered module 5.23 BP enrichment

Term



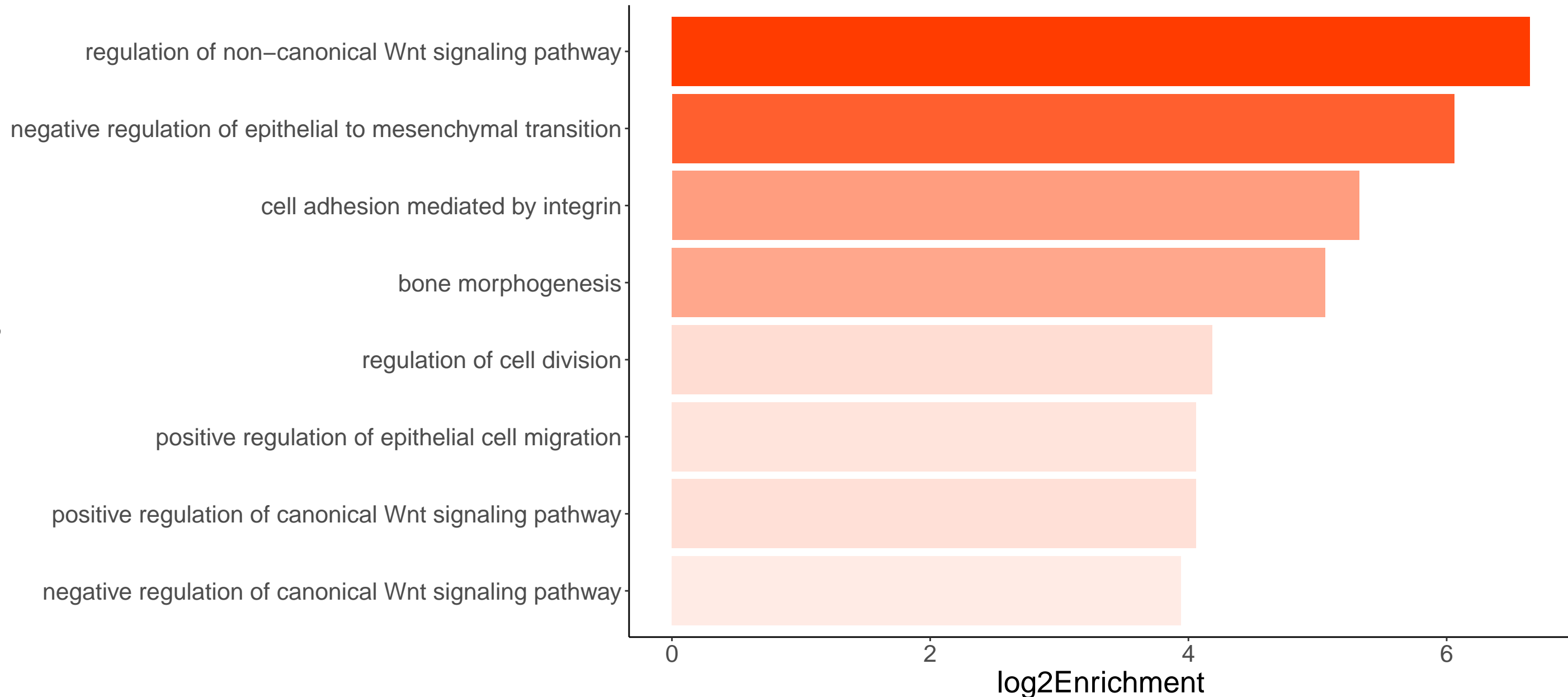
Re-clustered module 5.23 MF enrichment

Term



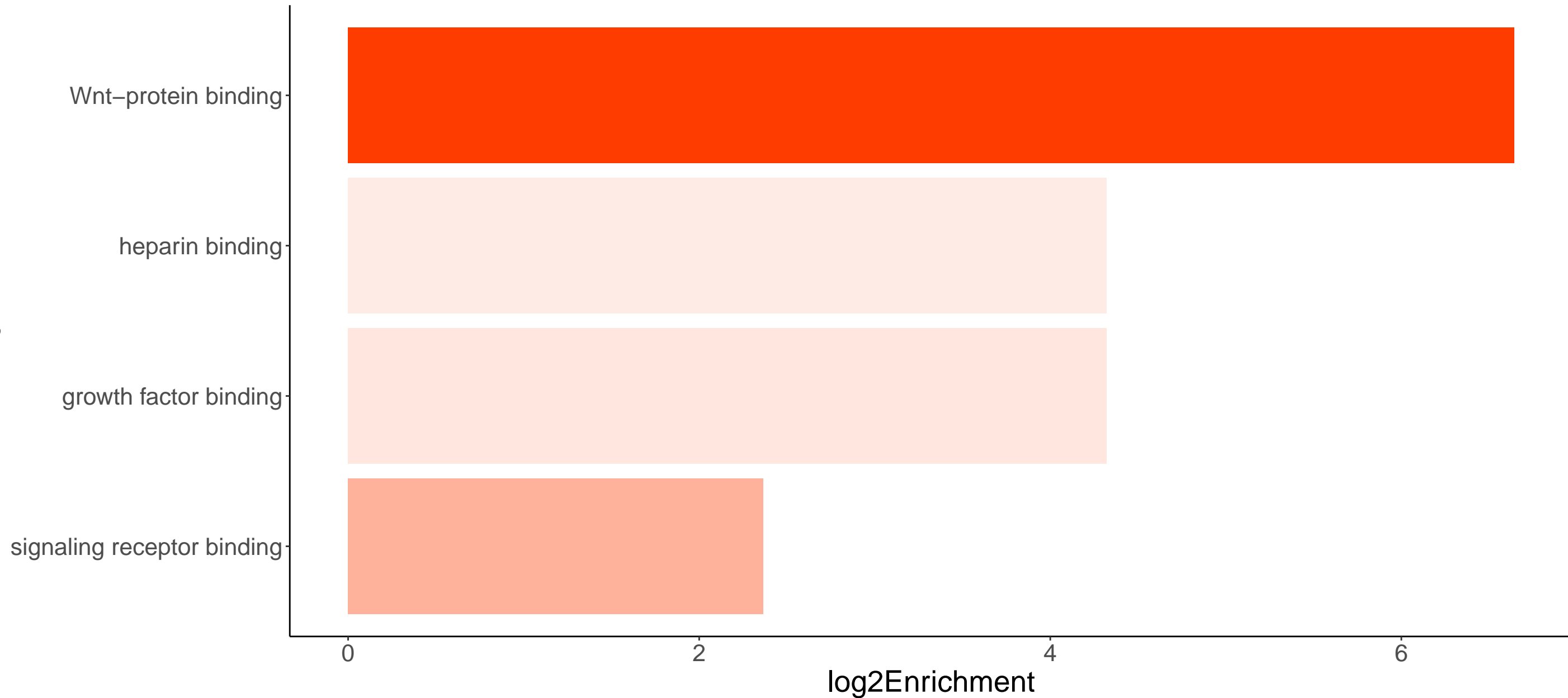
Re-clustered module 5.3.1 BP enrichment

Term



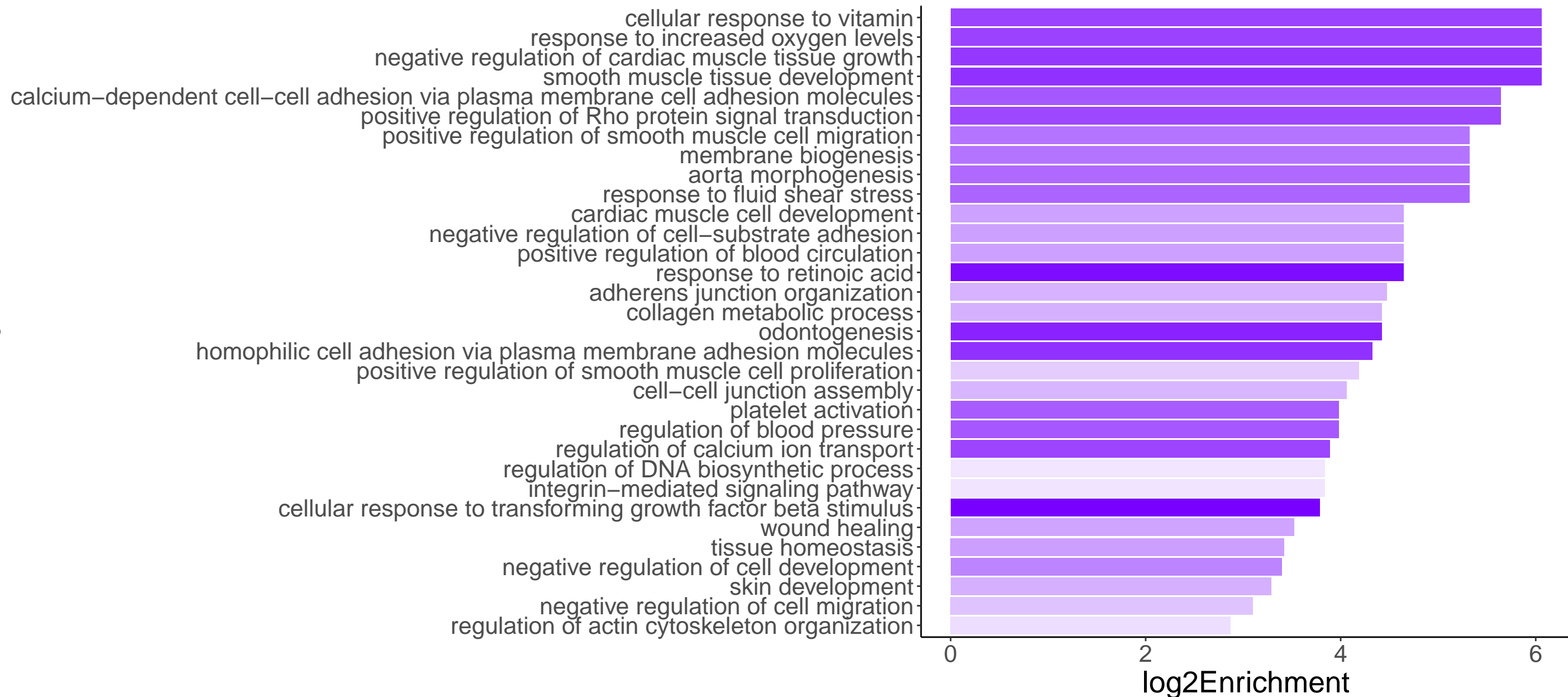
Re-clustered module 5.3.1 MF enrichment

Term



Re-clustered module 5.3.10 BP enrichment

Term



Re-clustered module 5.3.10 MF enrichment

Term

glycolipid binding

transmembrane receptor protein tyrosine kinase activity

SMAD binding

protease binding

metalloendopeptidase activity

tubulin binding

calcium ion binding

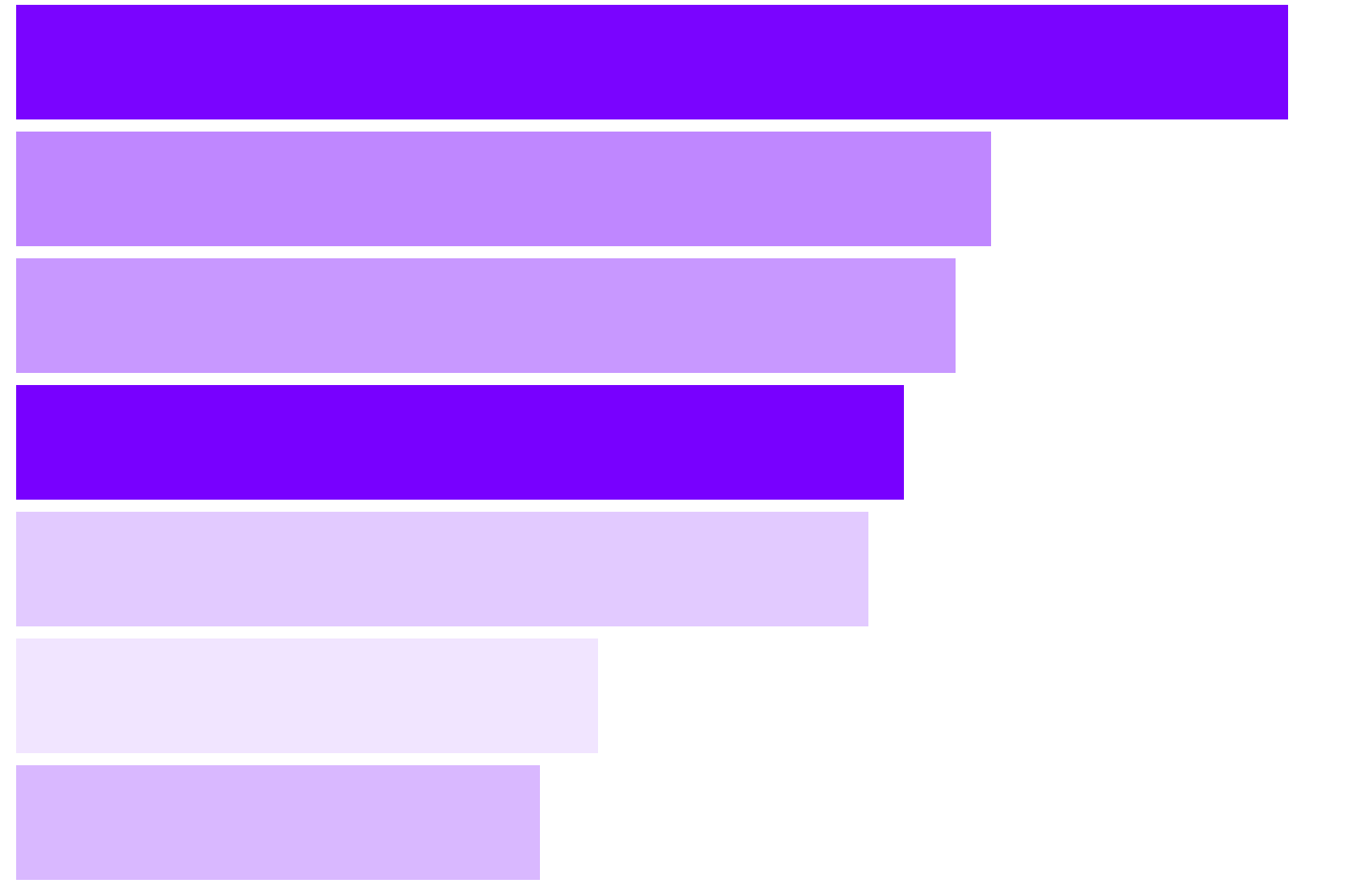
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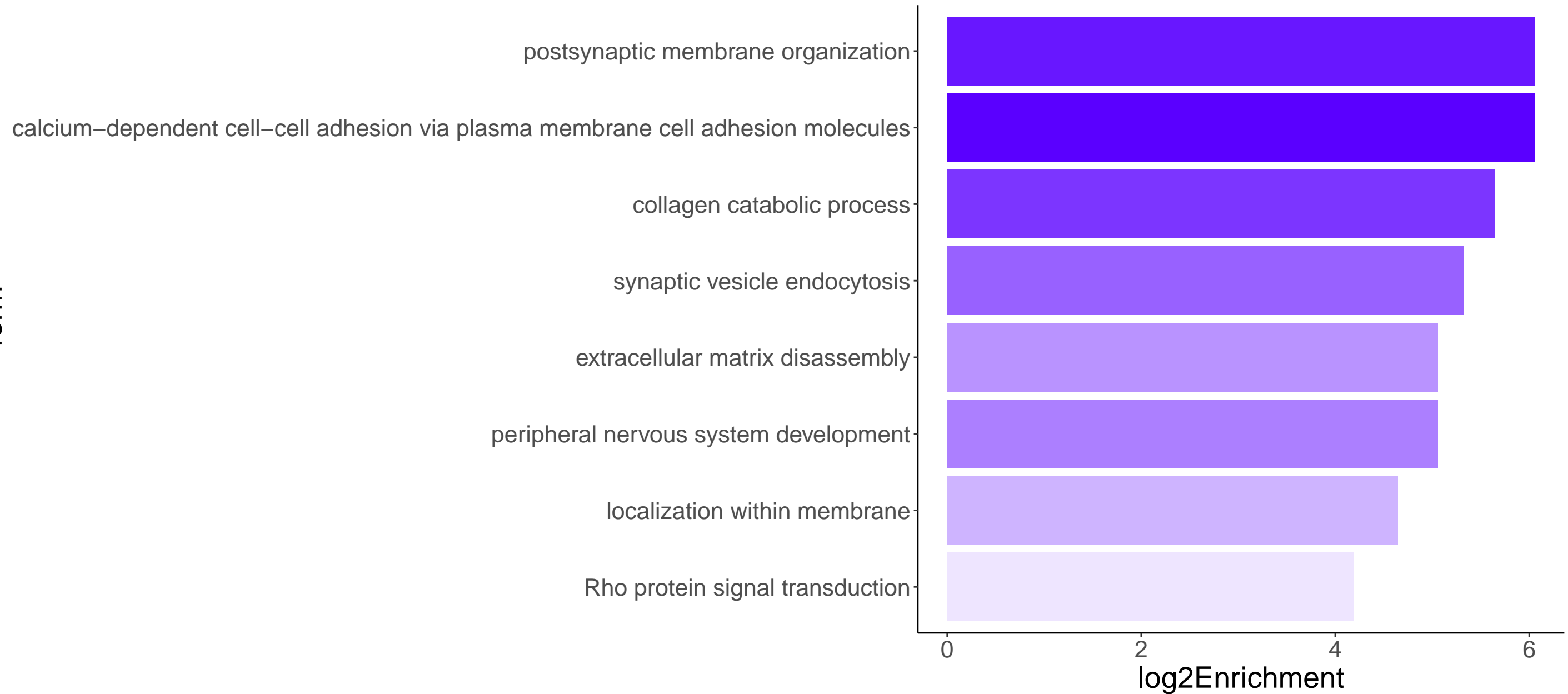
6

log2Enrichment



Re-clustered module 5.3.11 BP enrichment

Term



Re-clustered module 5.3.11 MF enrichment

Term

log2Enrichment



Re-clustered module 5.3.2 BP enrichment

Term

collagen fibril organization

chondrocyte differentiation

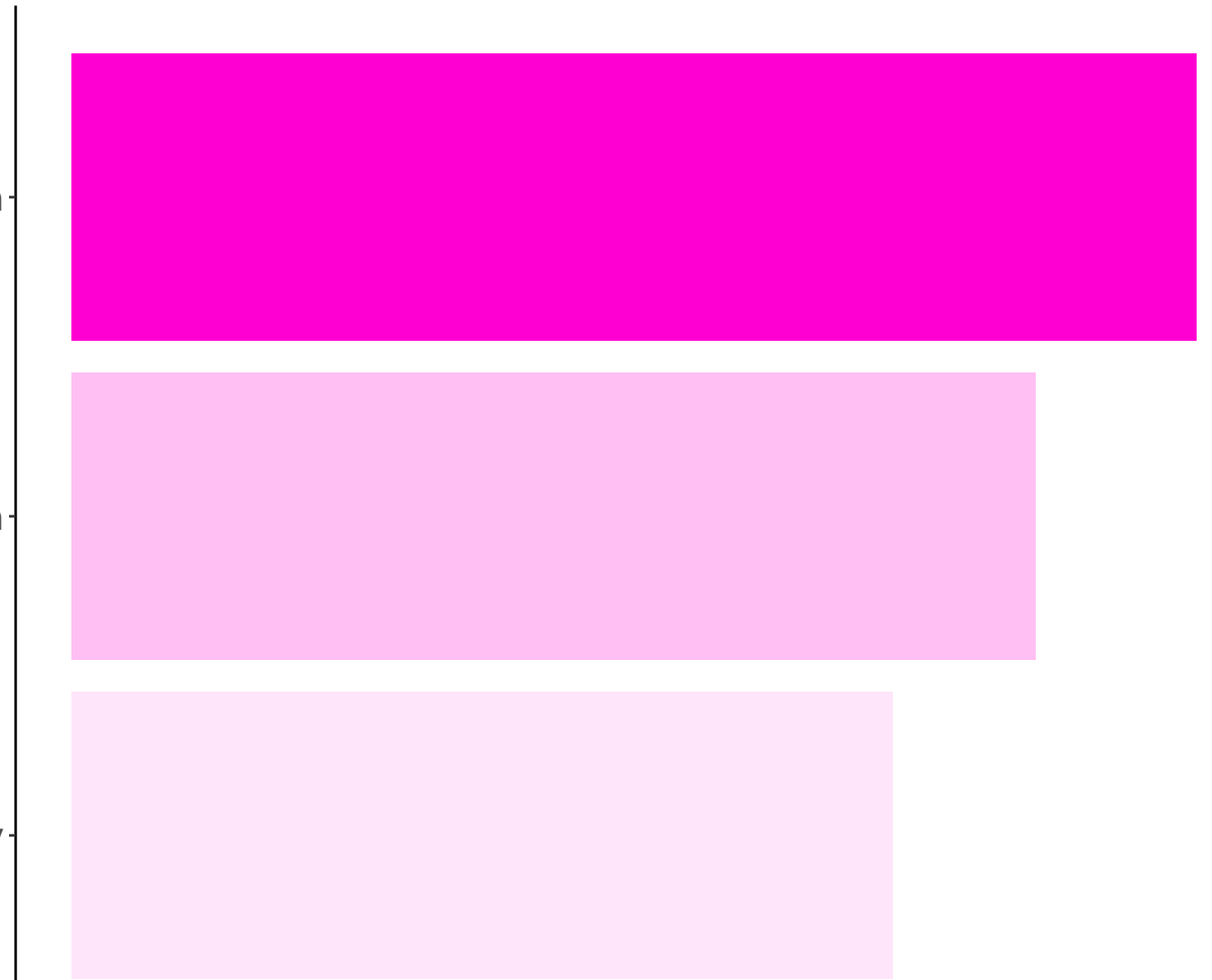
transmembrane receptor protein serine/threonine kinase signaling pathway

0

2

4

log2Enrichment



Re-clustered module 5.3.2 MF enrichment

Term

collagen binding

cytokine binding

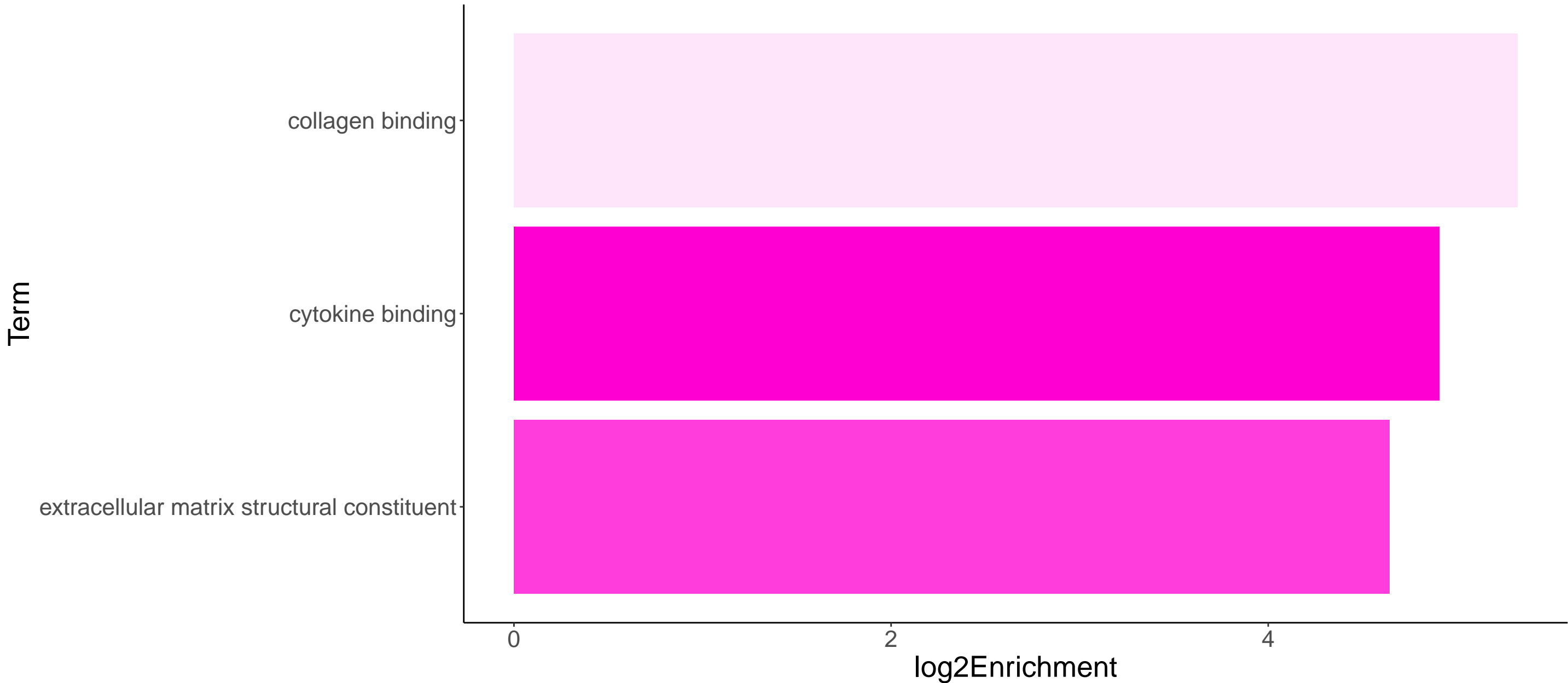
extracellular matrix structural constituent

0

2

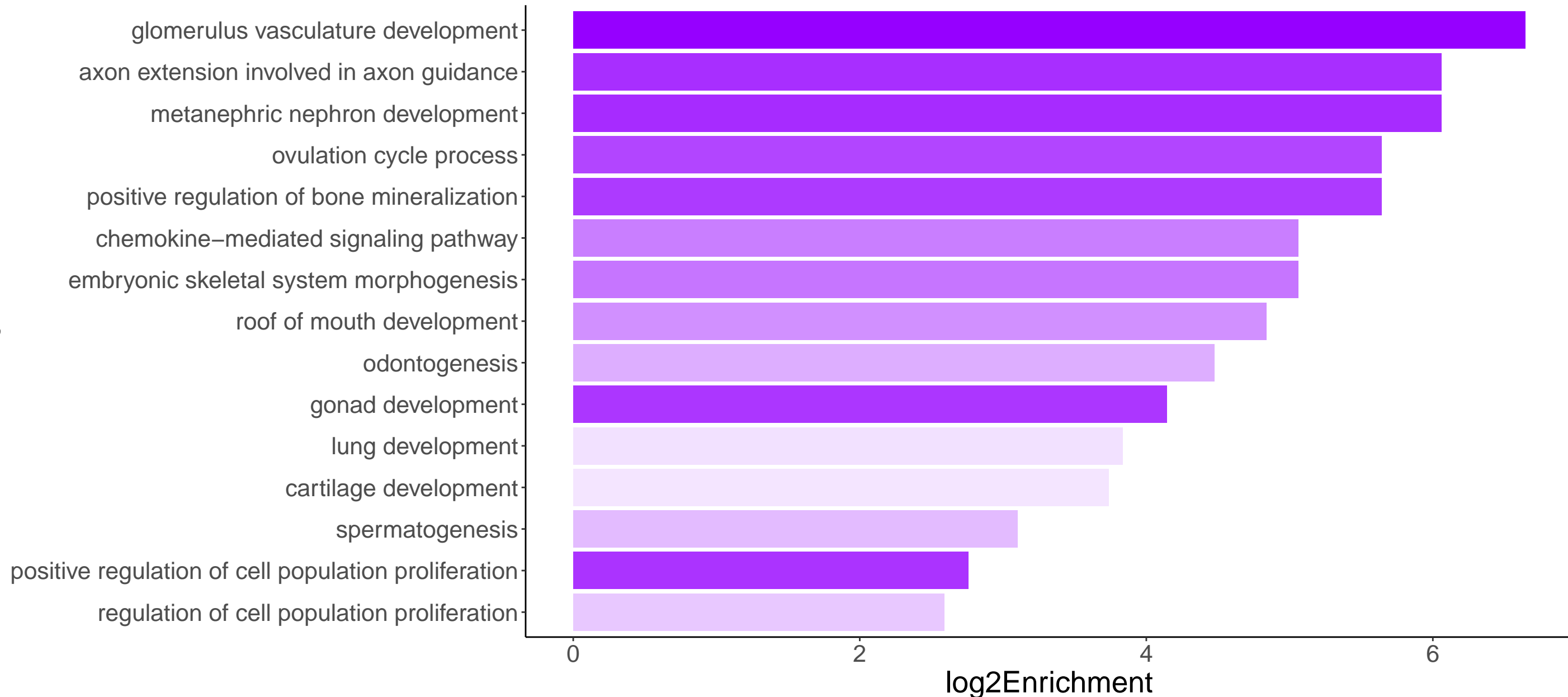
4

log2Enrichment



Re-clustered module 5.3.3 BP enrichment

Term



Re-clustered module 5.3.3 MF enrichment

Term

extracellular matrix binding

extracellular matrix structural constituent

0

1

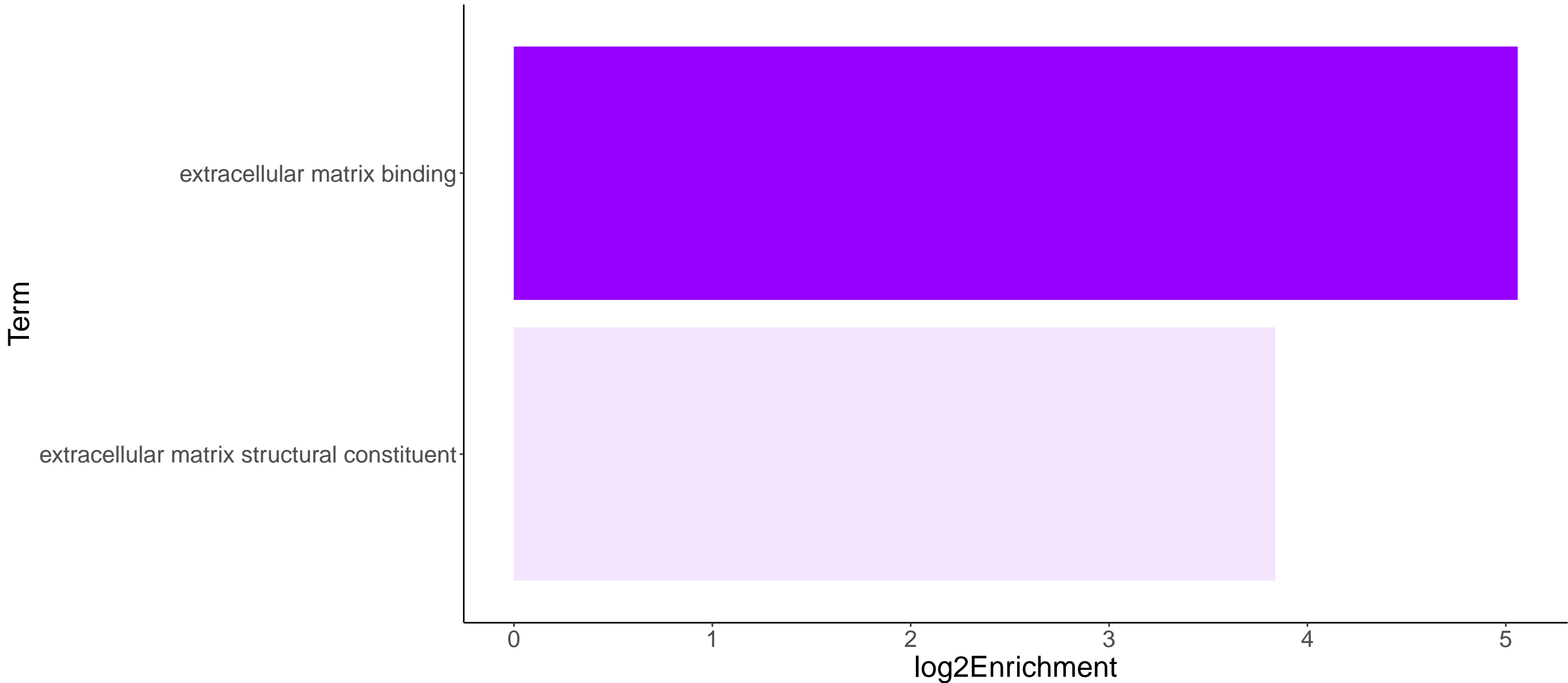
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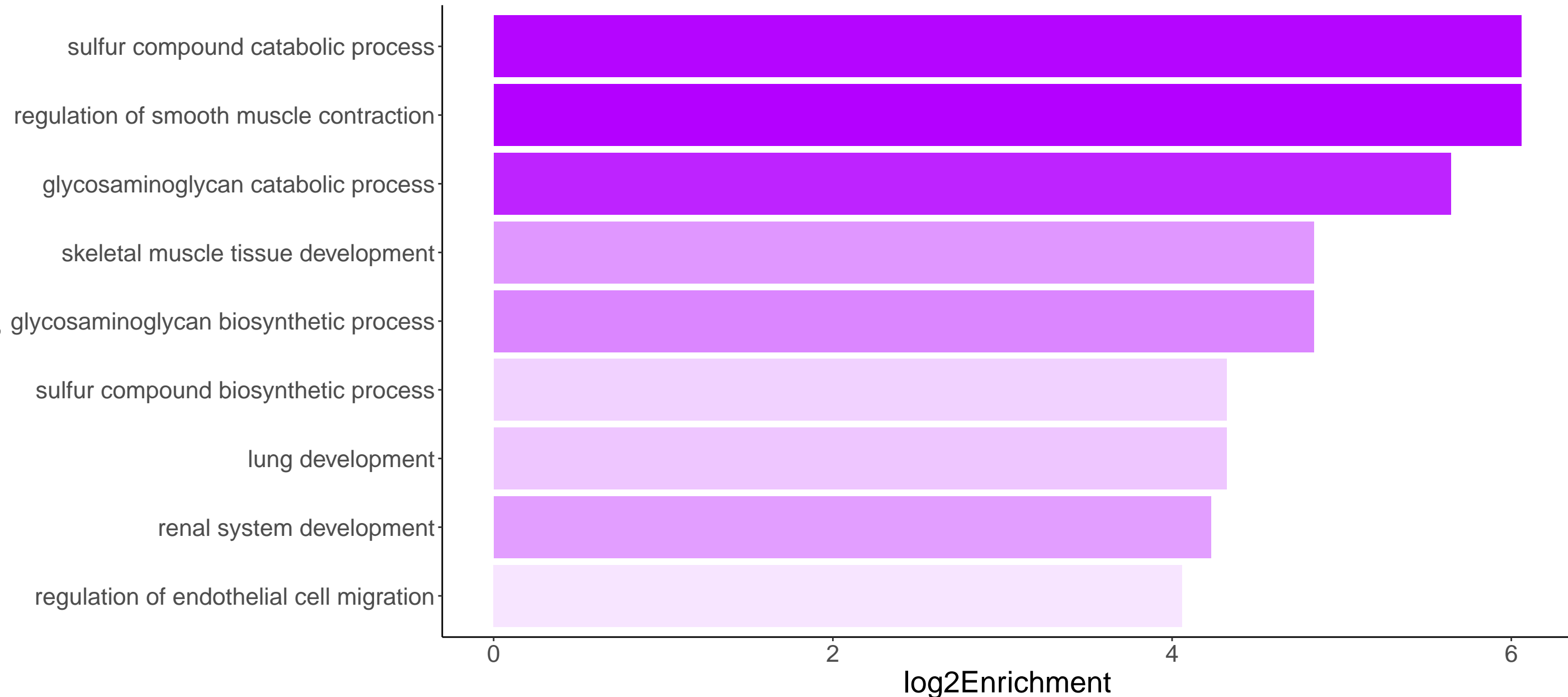
5

log2Enrichment



Re-clustered module 5.3.4 BP enrichment

Term



Re-clustered module 5.3.4 MF enrichment

Term

glycosaminoglycan binding

extracellular matrix structural constituent

0

1

2

3

4

log2Enrichment



Re-clustered module 5.3.7 BP enrichment

Term

cellular response to hypoxia

response to mechanical stimulus

0

1

2

3

4

log2Enrichment



Re-clustered module 5.3.7 MF enrichment

Term

log2Enrichment



Re-clustered module 5.3.9 BP enrichment

Term

negative regulation of blood coagulation

negative regulation of cell-cell adhesion

cartilage development

negative regulation of cell activation

blood vessel morphogenesis

cell adhesion

0

2

4

log2Enrichment



Re-clustered module 5.3.9 MF enrichment

Term

integrin binding

0

1

2

3

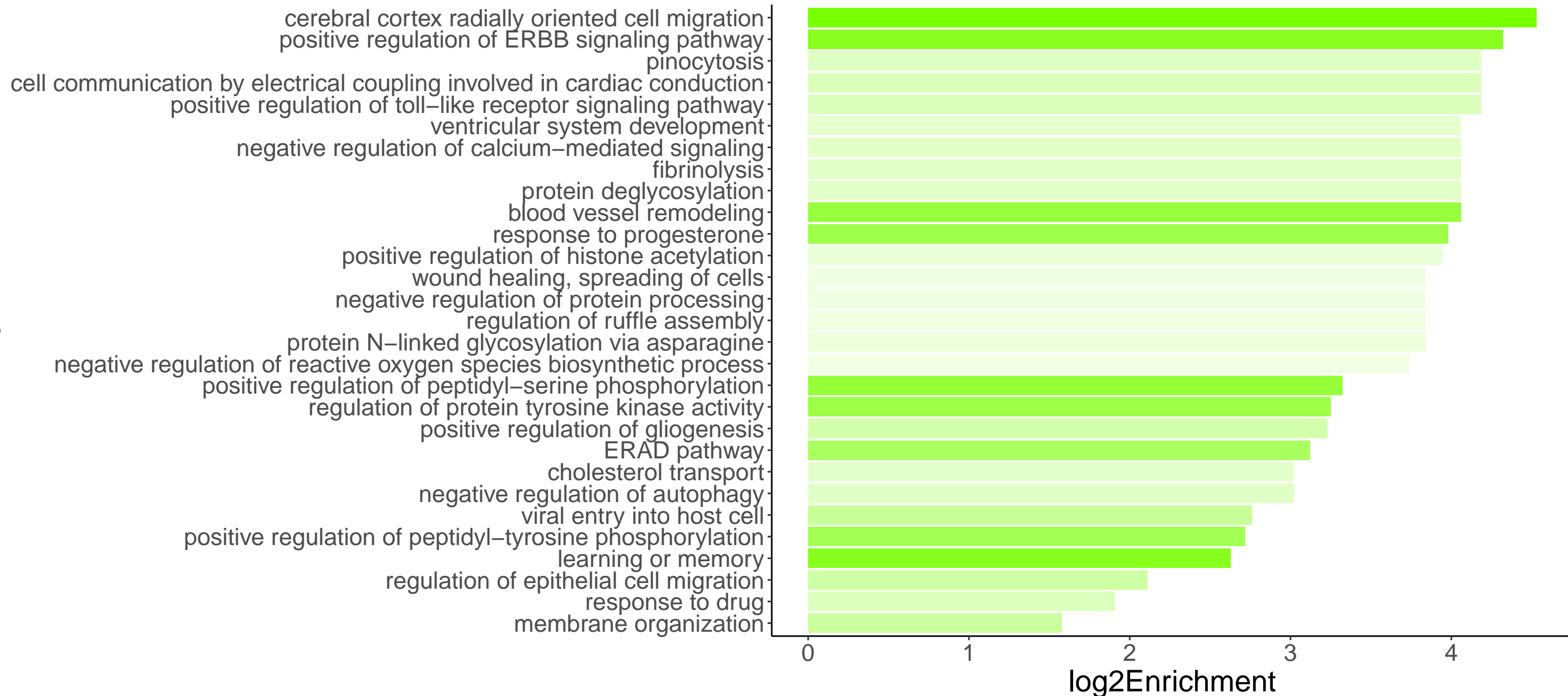
4

log2Enrichment



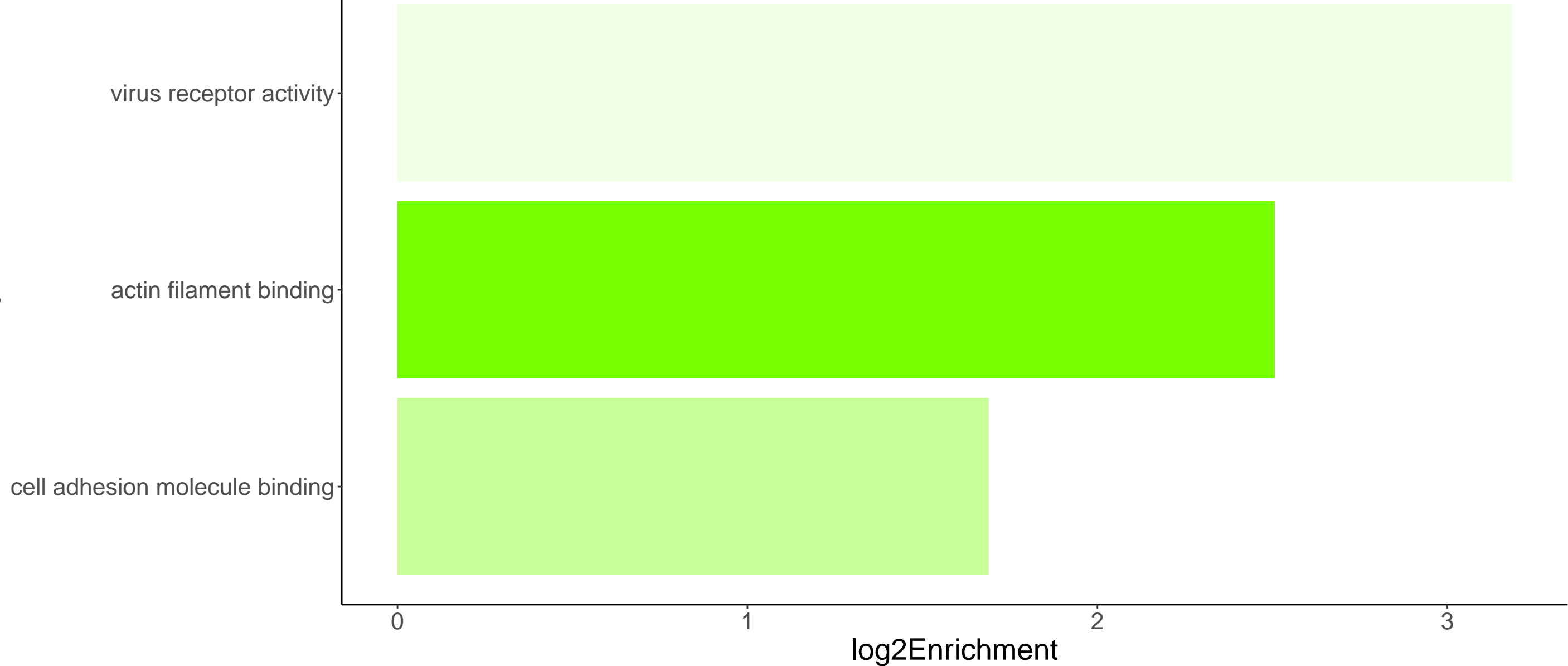
Re-clustered module 5.4 BP enrichment

Term



Re-clustered module 5.4 MF enrichment

Term



Re-clustered module 5.5.1 BP enrichment

Term

mitochondrion transport along microtubule

inorganic cation import across plasma membrane

calcium ion import

response to vitamin

calcium ion transmembrane import into cytosol

response to estradiol

modulation of chemical synaptic transmission

response to drug

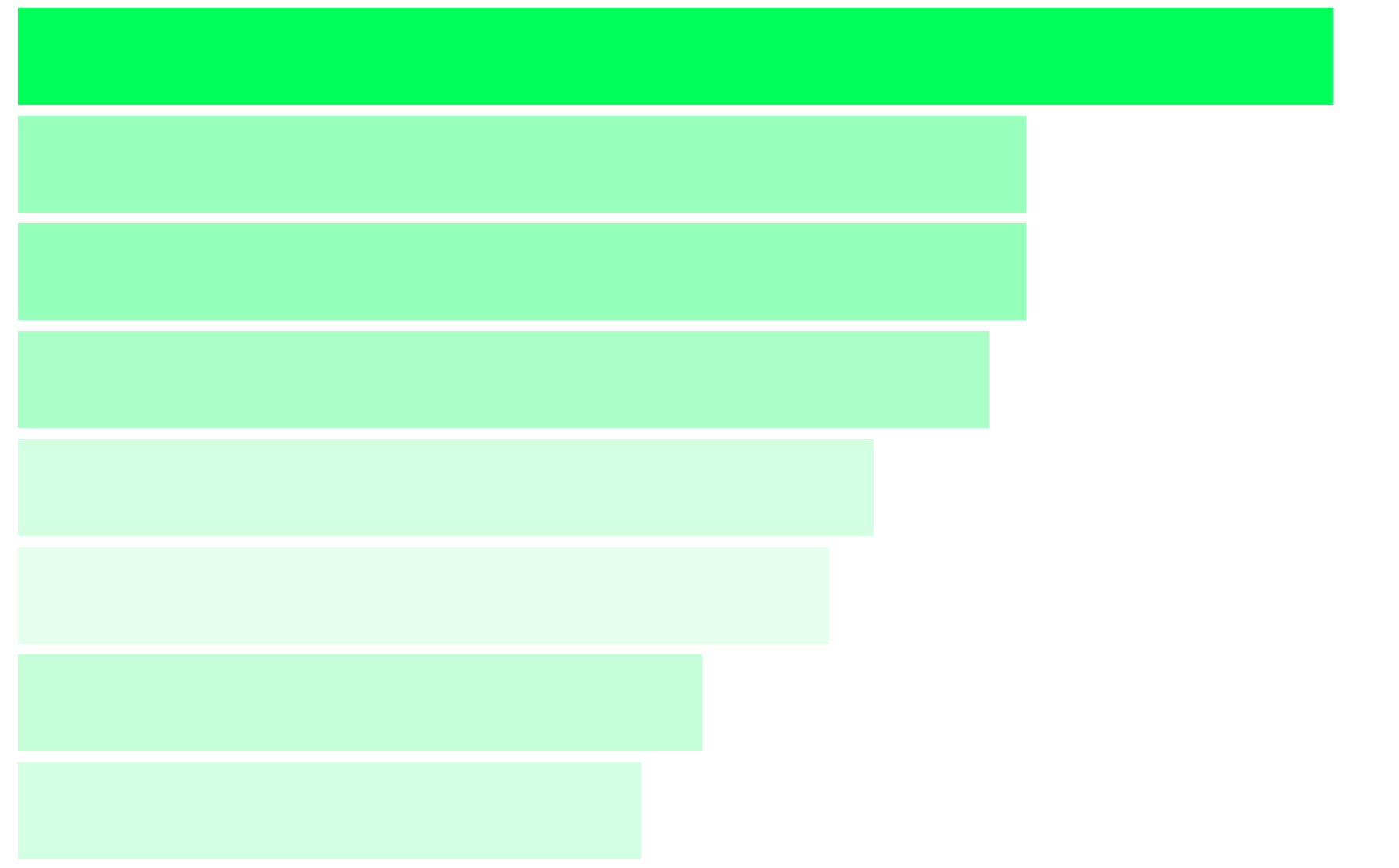
0

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6

log2Enrichment



Re-clustered module 5.5.1 MF enrichment

Term

calcium channel activity

0

1

2

3

4

log2Enrichment



Re-clustered module 5.5.2 BP enrichment

Term

maternal placenta development

response to fluid shear stress

axon guidance

0

2

4

log2Enrichment



Re-clustered module 5.5.2 MF enrichment

Term

log2Enrichment



Re-clustered module 5.5.3 BP enrichment

Term

sprouting angiogenesis

0

1

2

3

4

log2Enrichment



Re-clustered module 5.5.3 MF enrichment

Term

isomerase activity

0

1

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3

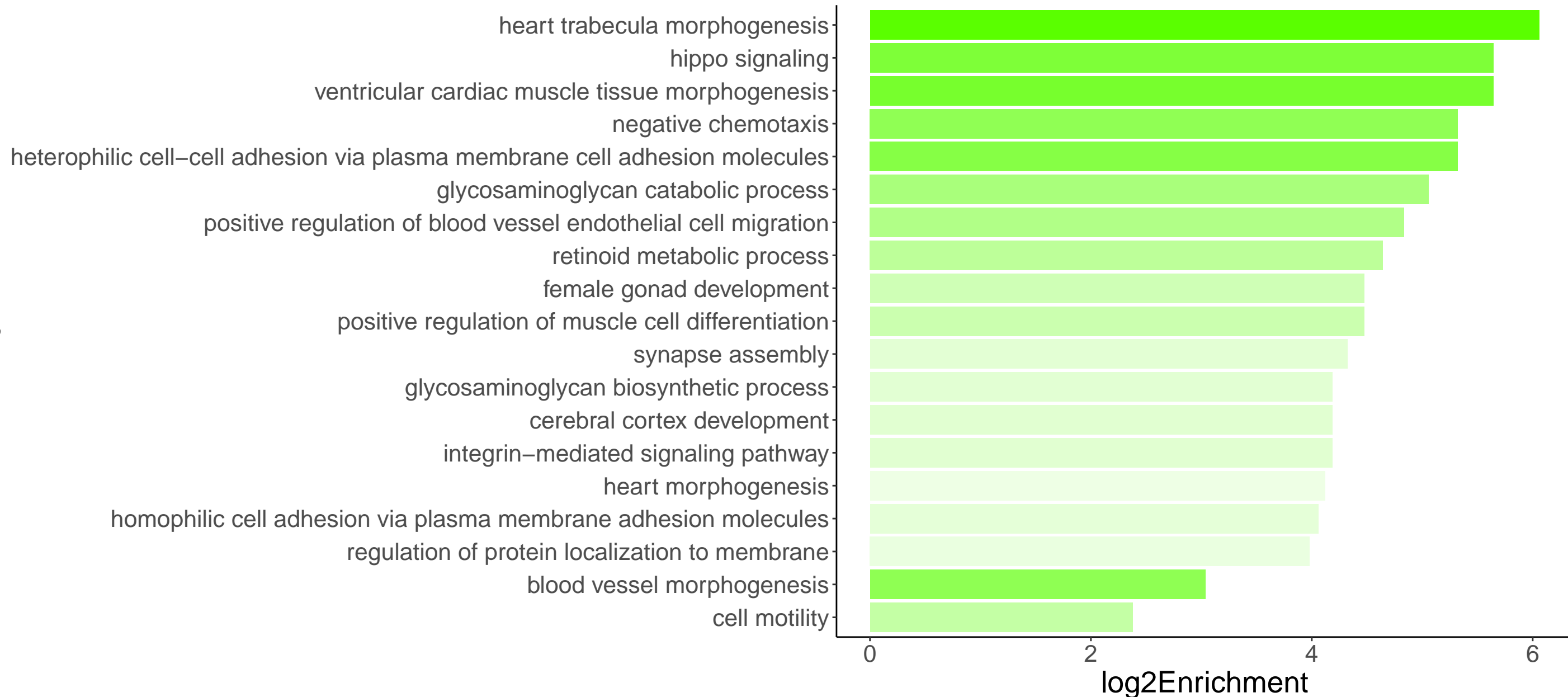
4

log2Enrichment



Re-clustered module 5.5.4 BP enrichment

Term



Re-clustered module 5.5.4 MF enrichment

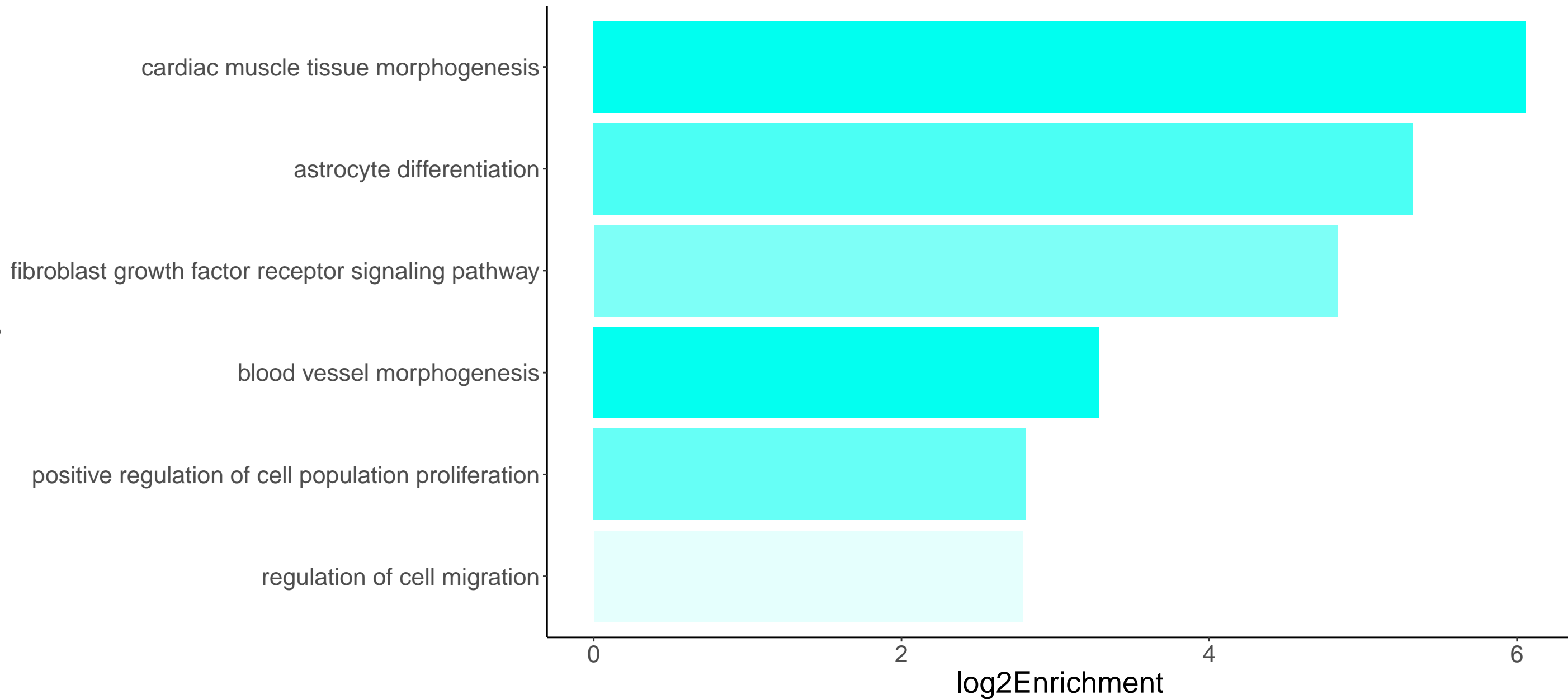
Term

log2Enrichment



Re-clustered module 5.5.5 BP enrichment

Term



Re-clustered module 5.5.5 MF enrichment

Term

cytokine binding

growth factor receptor binding

0

1

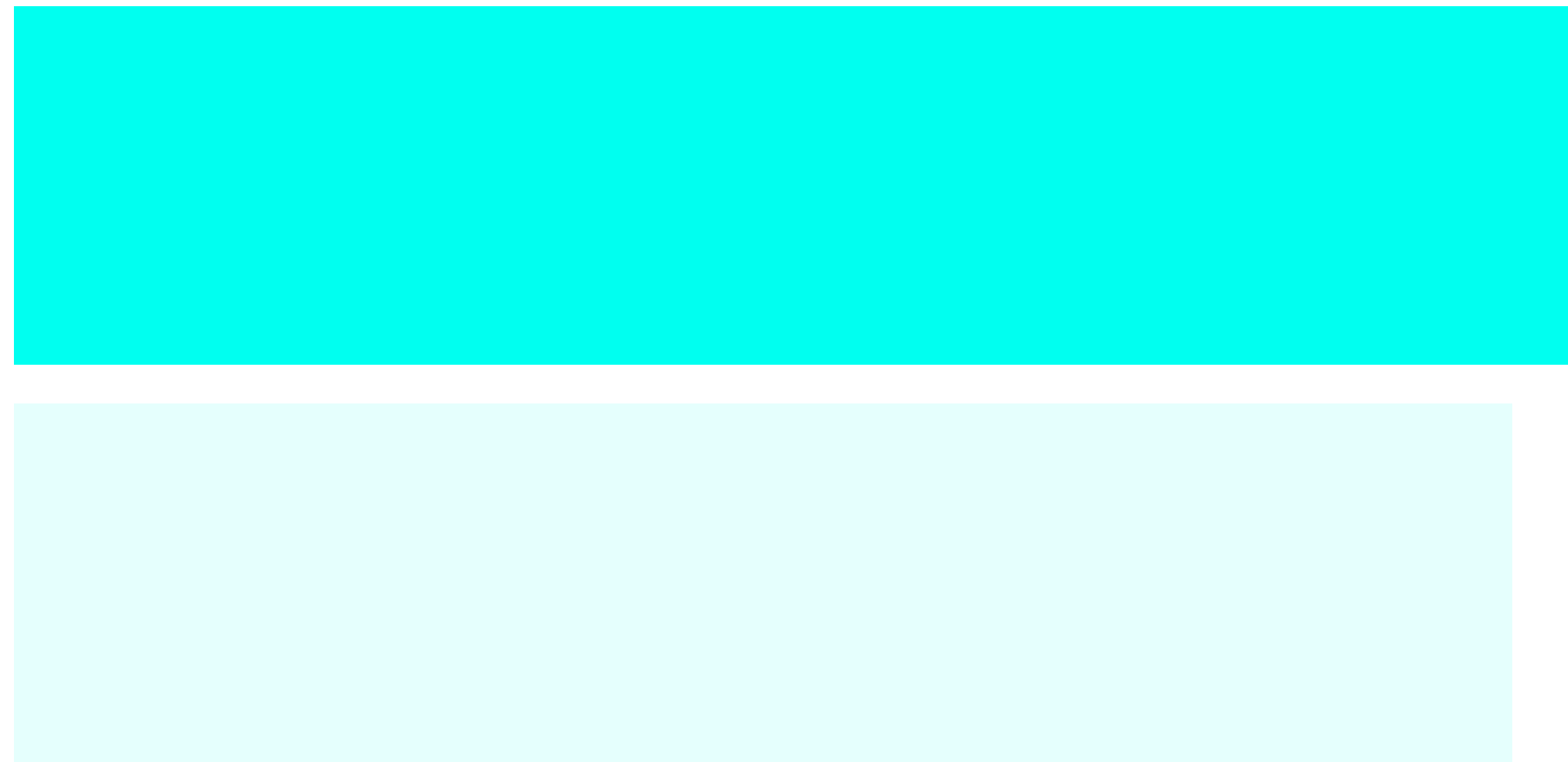
2

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log2Enrichment



Re-clustered module 5.5.7 BP enrichment

Term

negative chemotaxis

positive regulation of axonogenesis

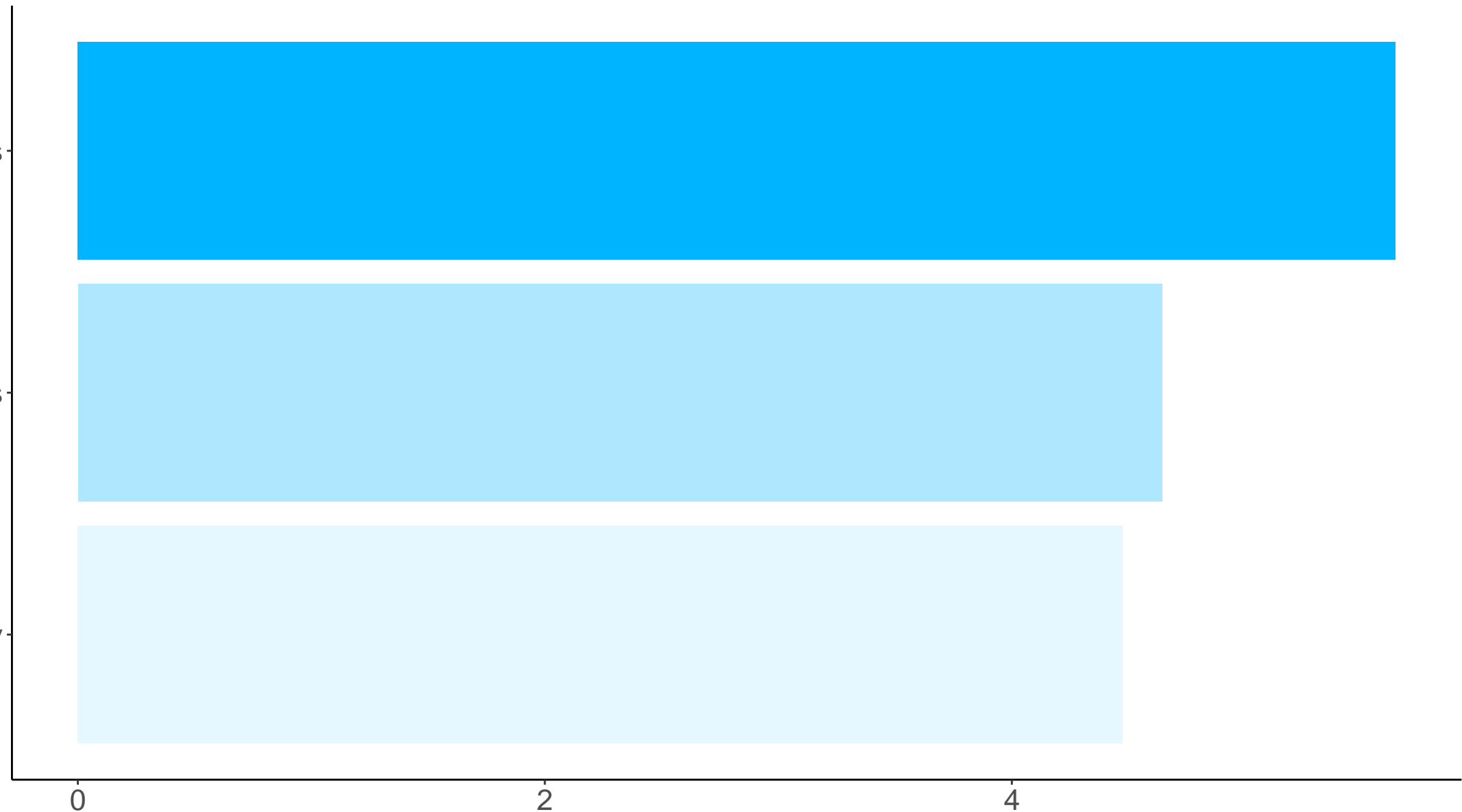
memory

0

2

4

log2Enrichment



Re-clustered module 5.5.7 MF enrichment

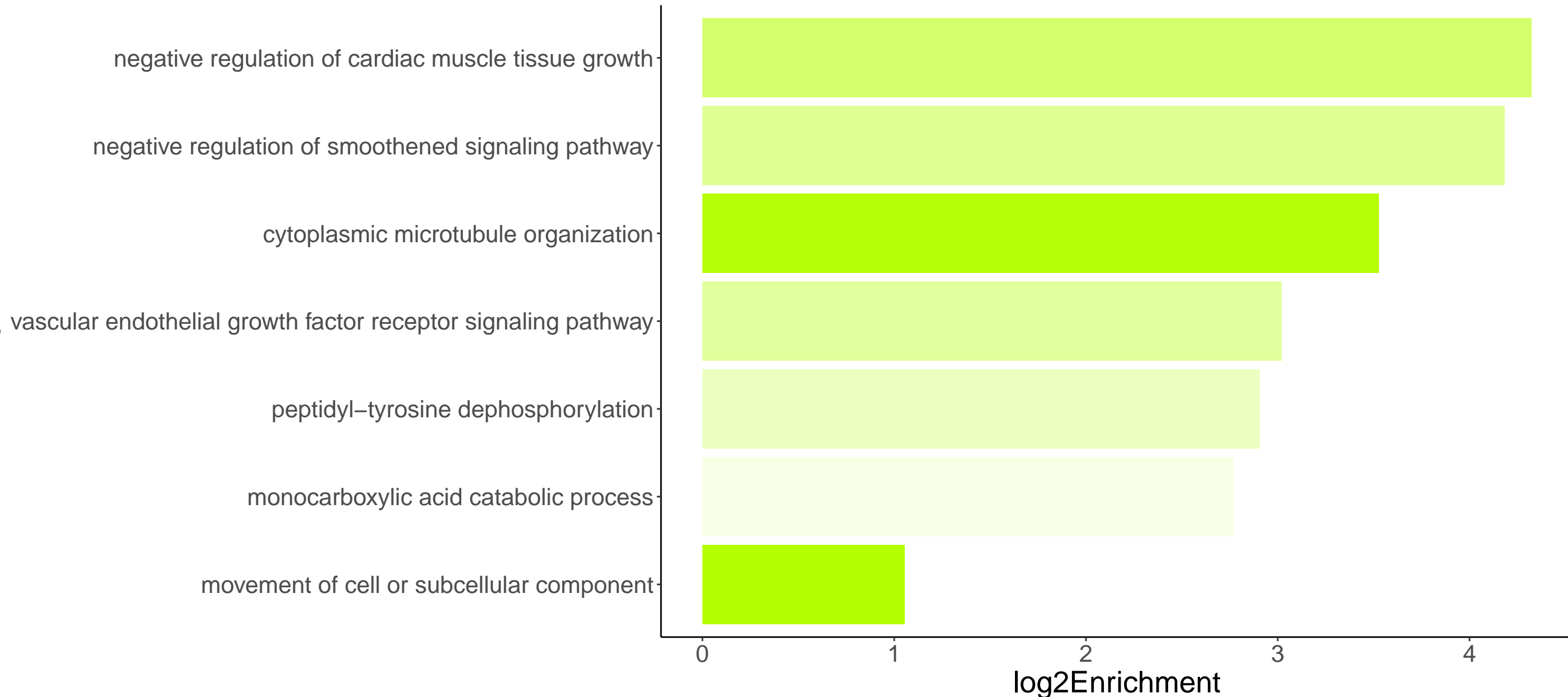
Term

log2Enrichment



Re-clustered module 5.6 BP enrichment

Term



Re-clustered module 5.6 MF enrichment

Term

protein tyrosine phosphatase activity

0

1

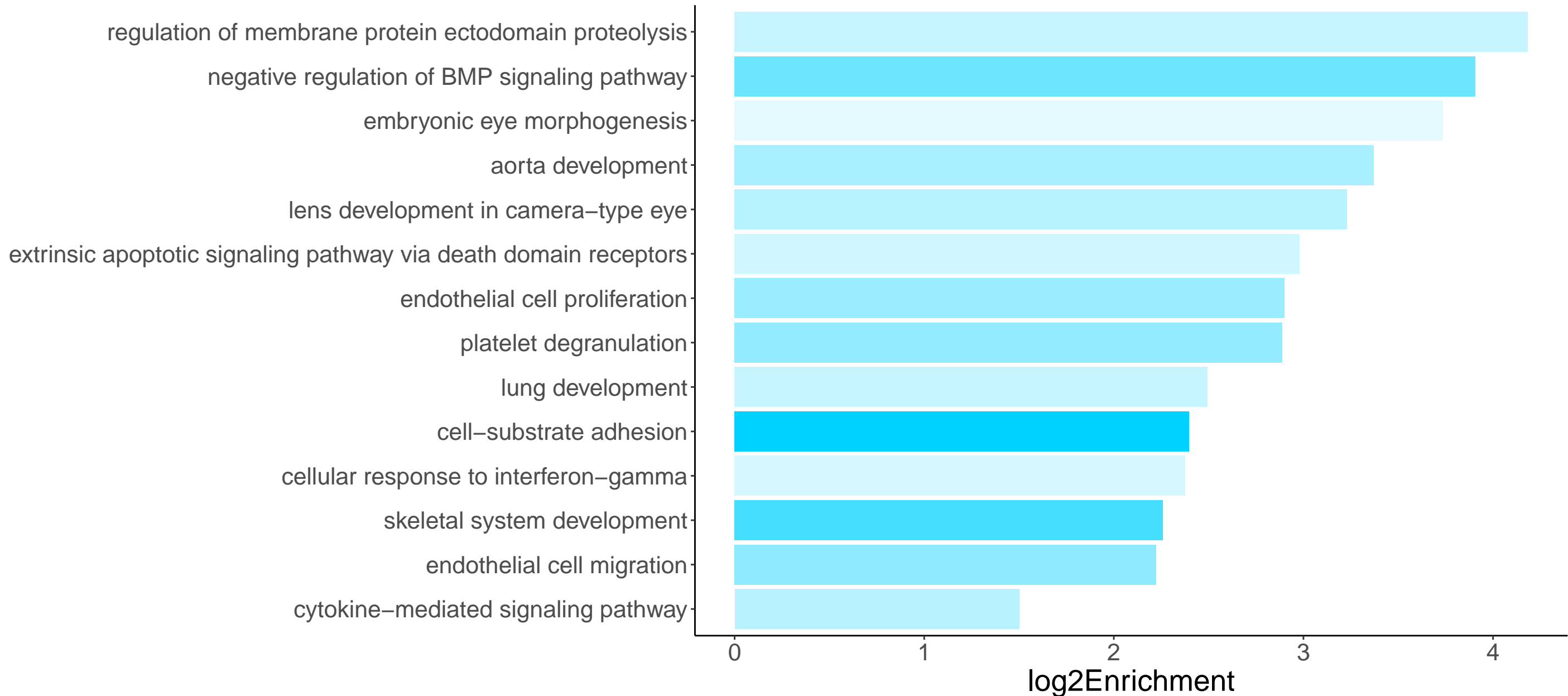
2

log2Enrichment



Re-clustered module 5.7 BP enrichment

Term



Re-clustered module 5.7 MF enrichment

Term

scavenger receptor activity

cytokine receptor activity

integrin binding

0

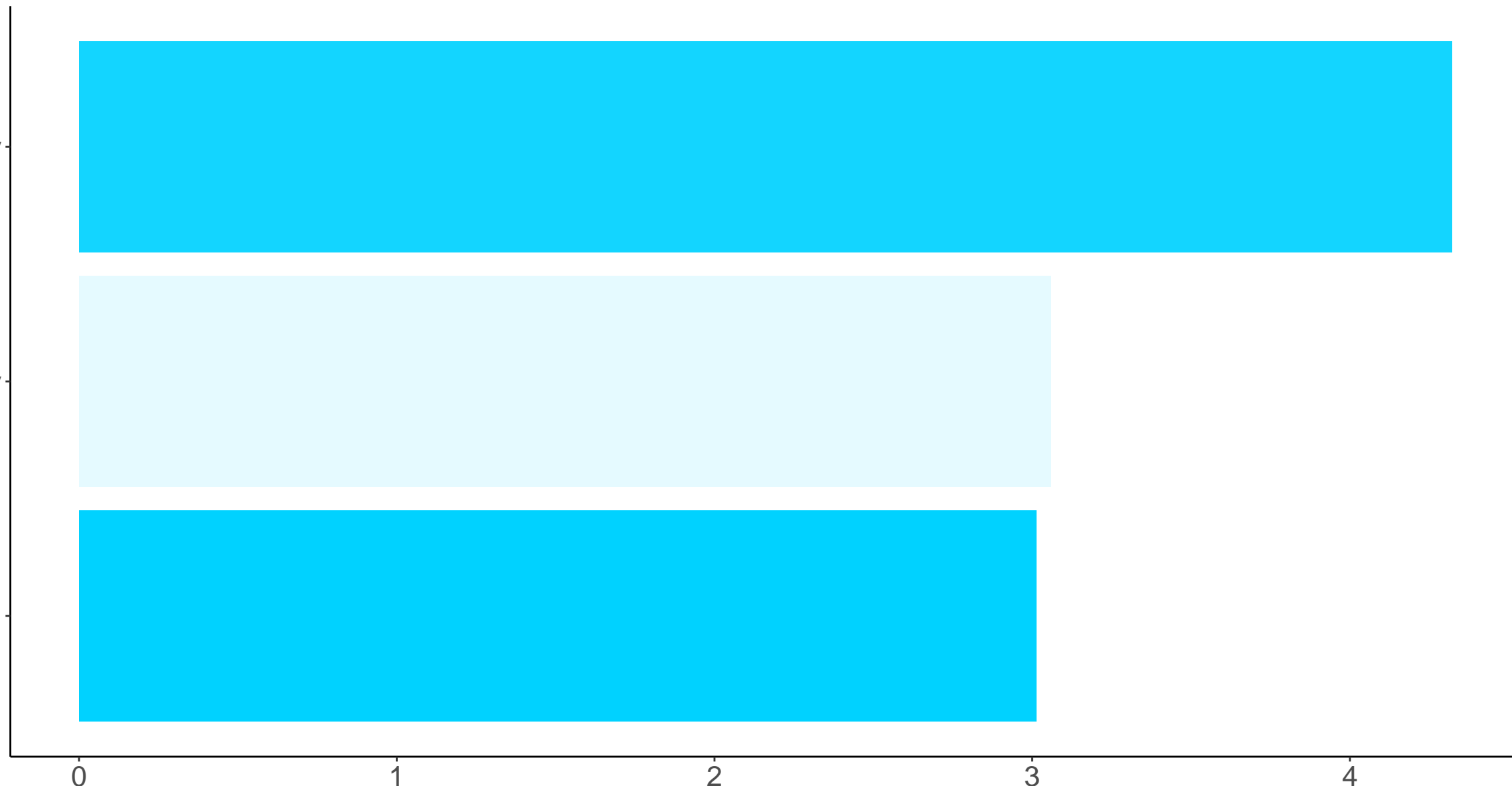
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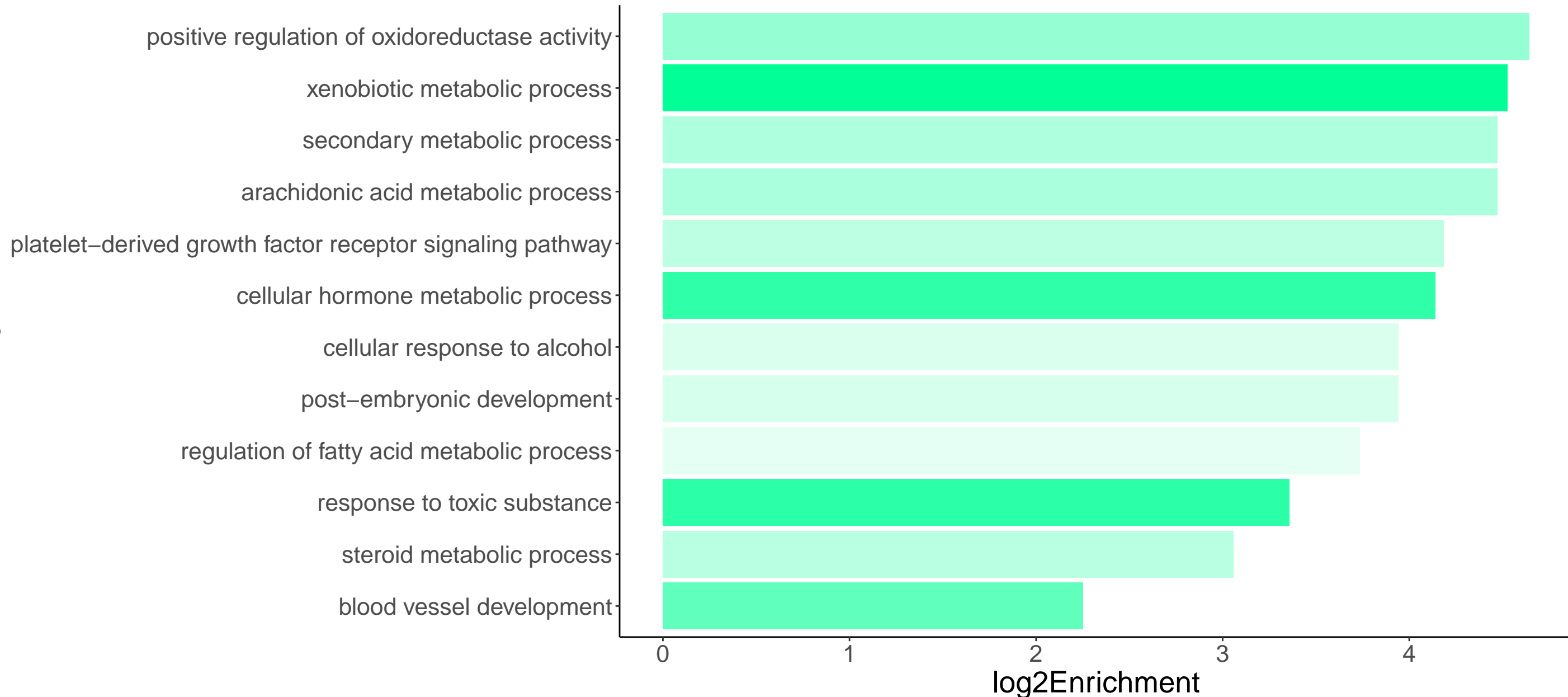
4

log2Enrichment



Re-clustered module 5.8 BP enrichment

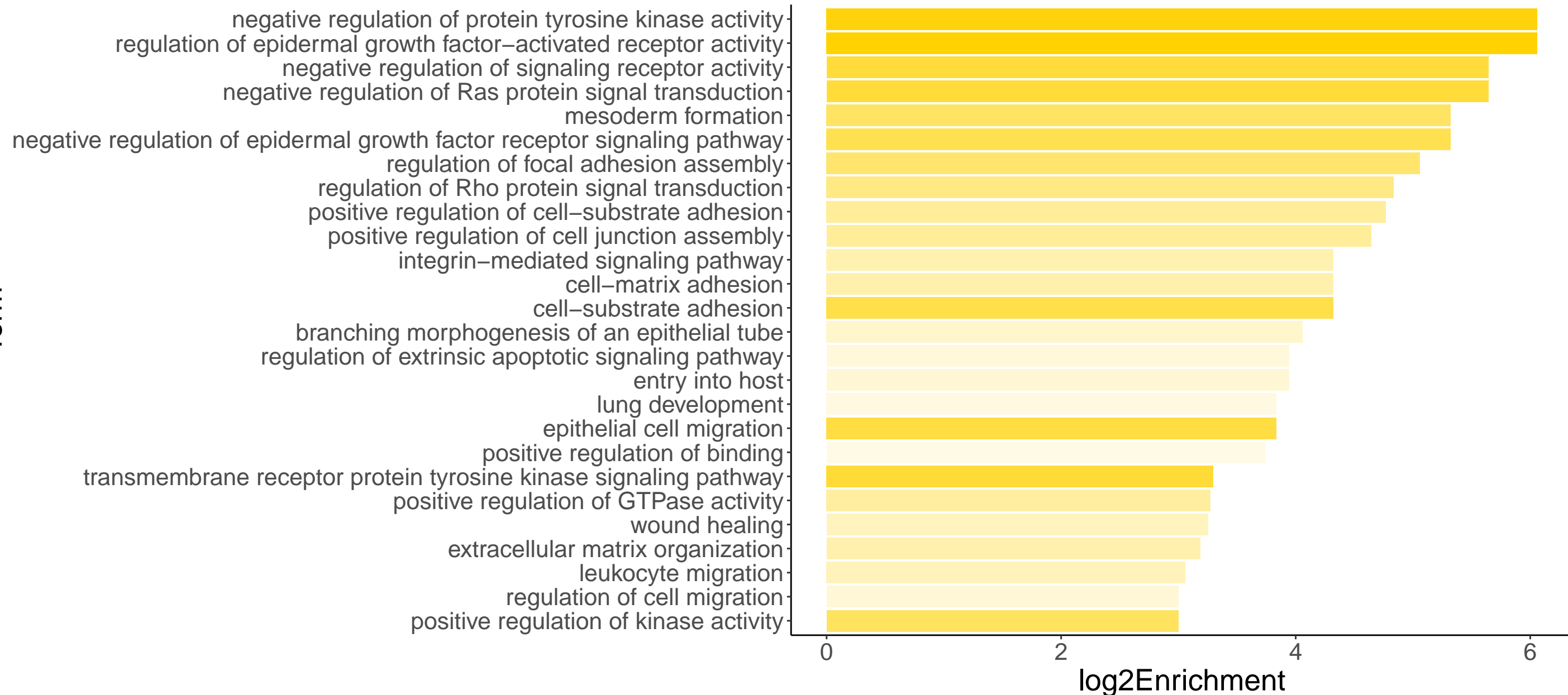
Term



activity, acting on paired donors, with incorporation or reduction of molecular oxygen, reduced flavin or flavoprotein as one donor, and incorporation of one

Hsp9

Re-clustered module 5.9.1 BP enrichment



Re-clustered module 5.9.1 MF enrichment

Term

transmembrane receptor protein tyrosine kinase activity

fibronectin binding

laminin binding

protein phosphatase binding

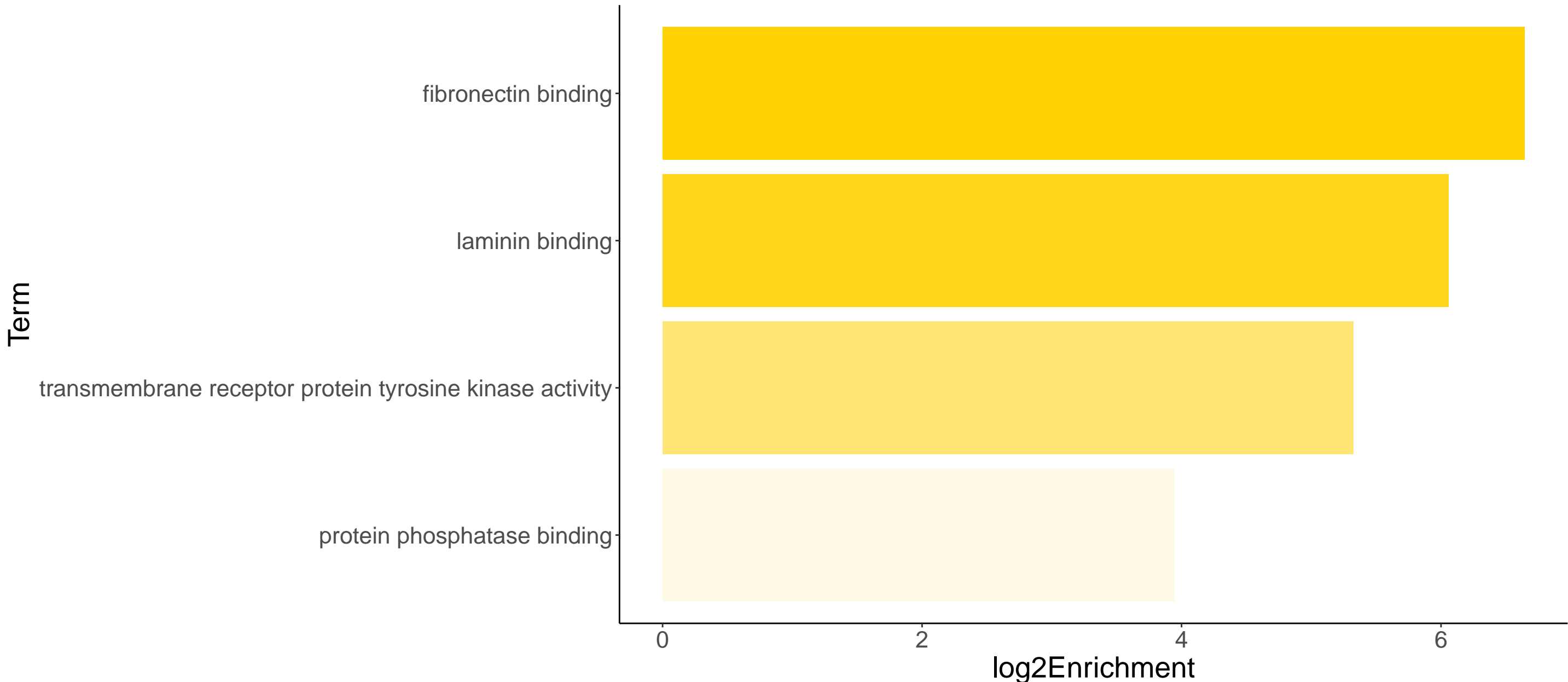
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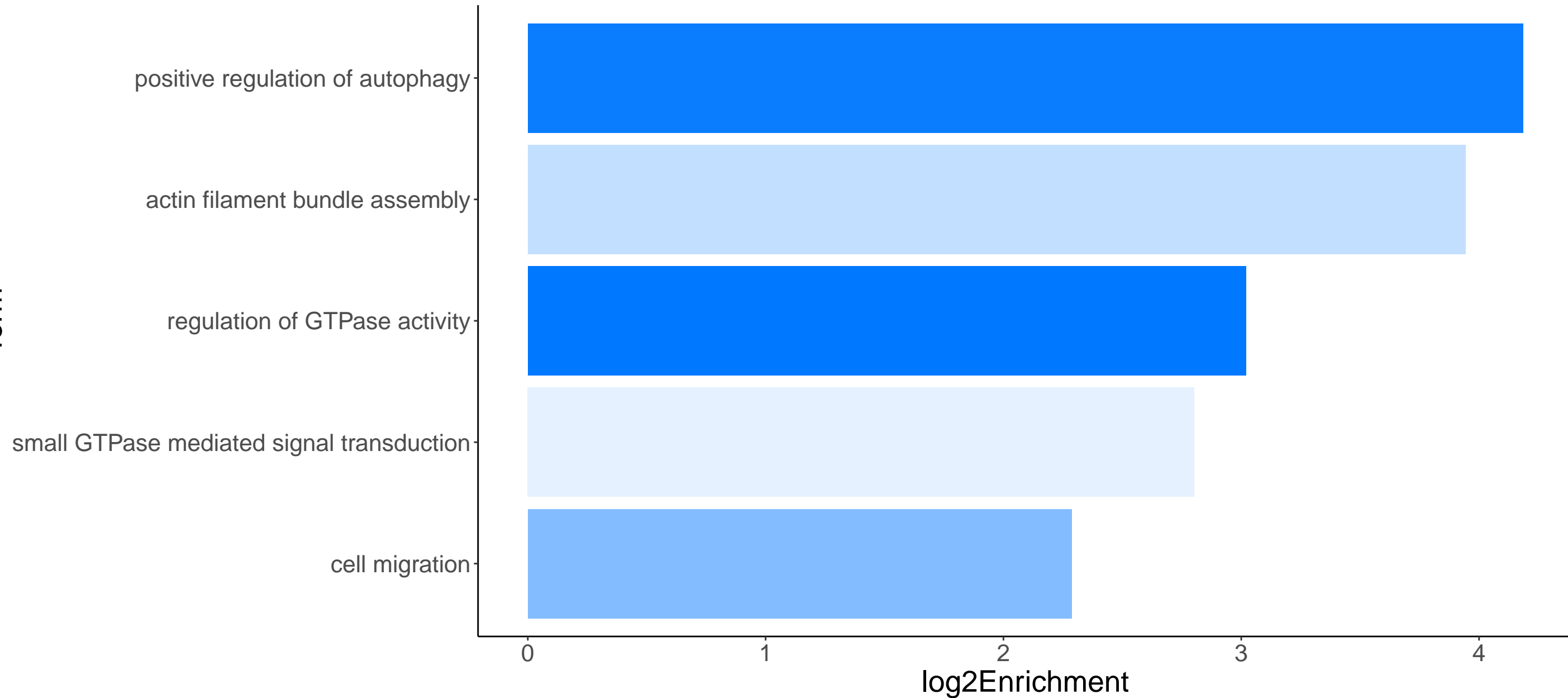
6

log2Enrichment



Re-clustered module 5.9.10 BP enrichment

Term



Re-clustered module 5.9.10 MF enrichment

Term

GTPase regulator activity

enzyme activator activity

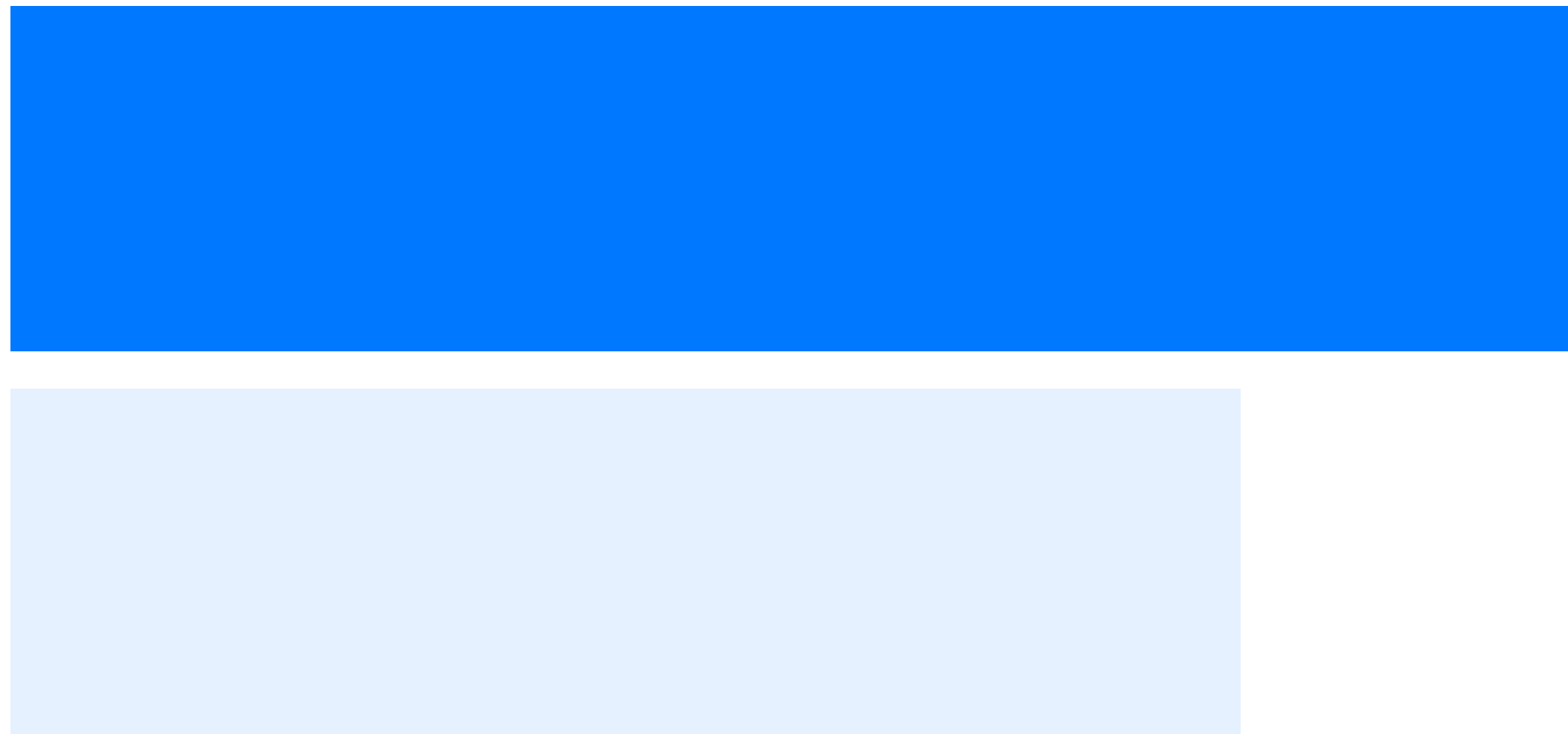
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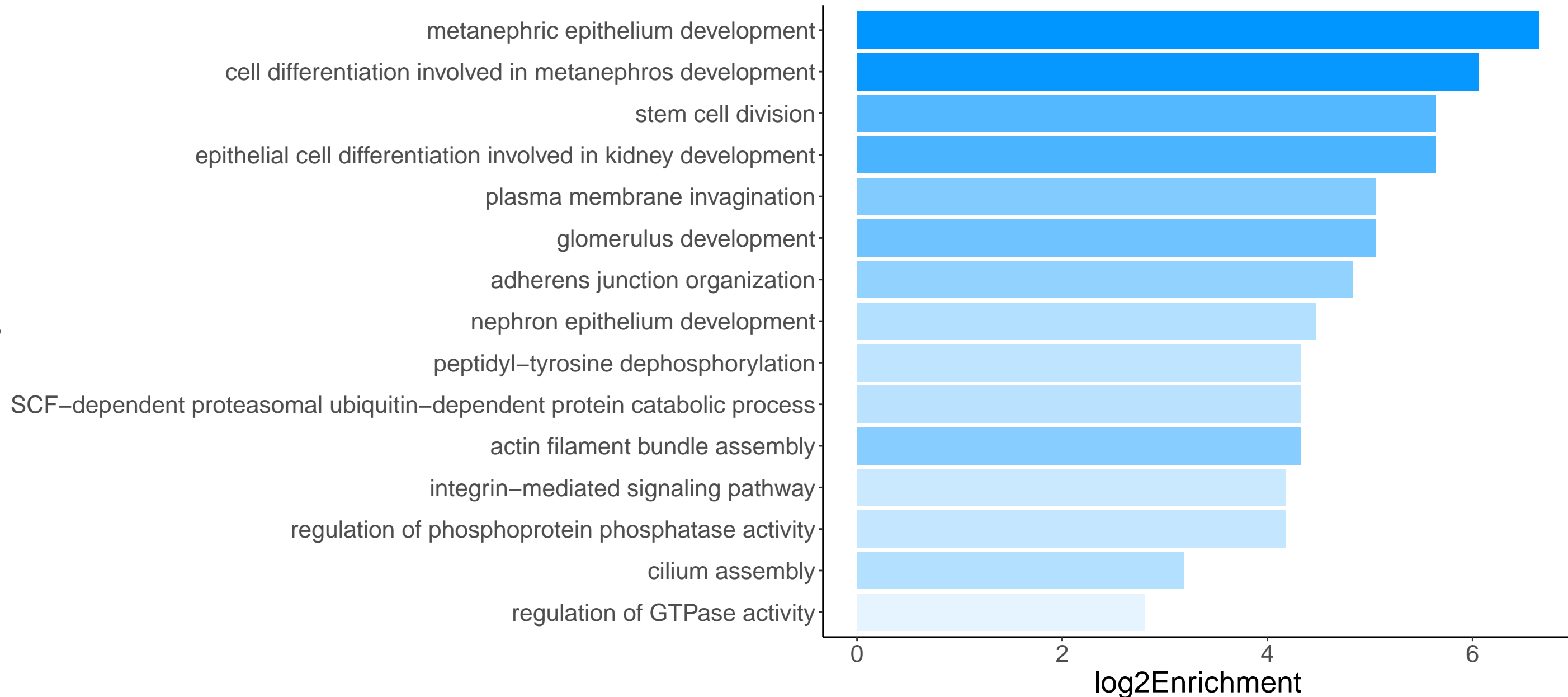
3

log2Enrichment



Re-clustered module 5.9.2 BP enrichment

Term



Re-clustered module 5.9.2 MF enrichment

Term

protein phosphatase regulator activity

protein tyrosine phosphatase activity

0

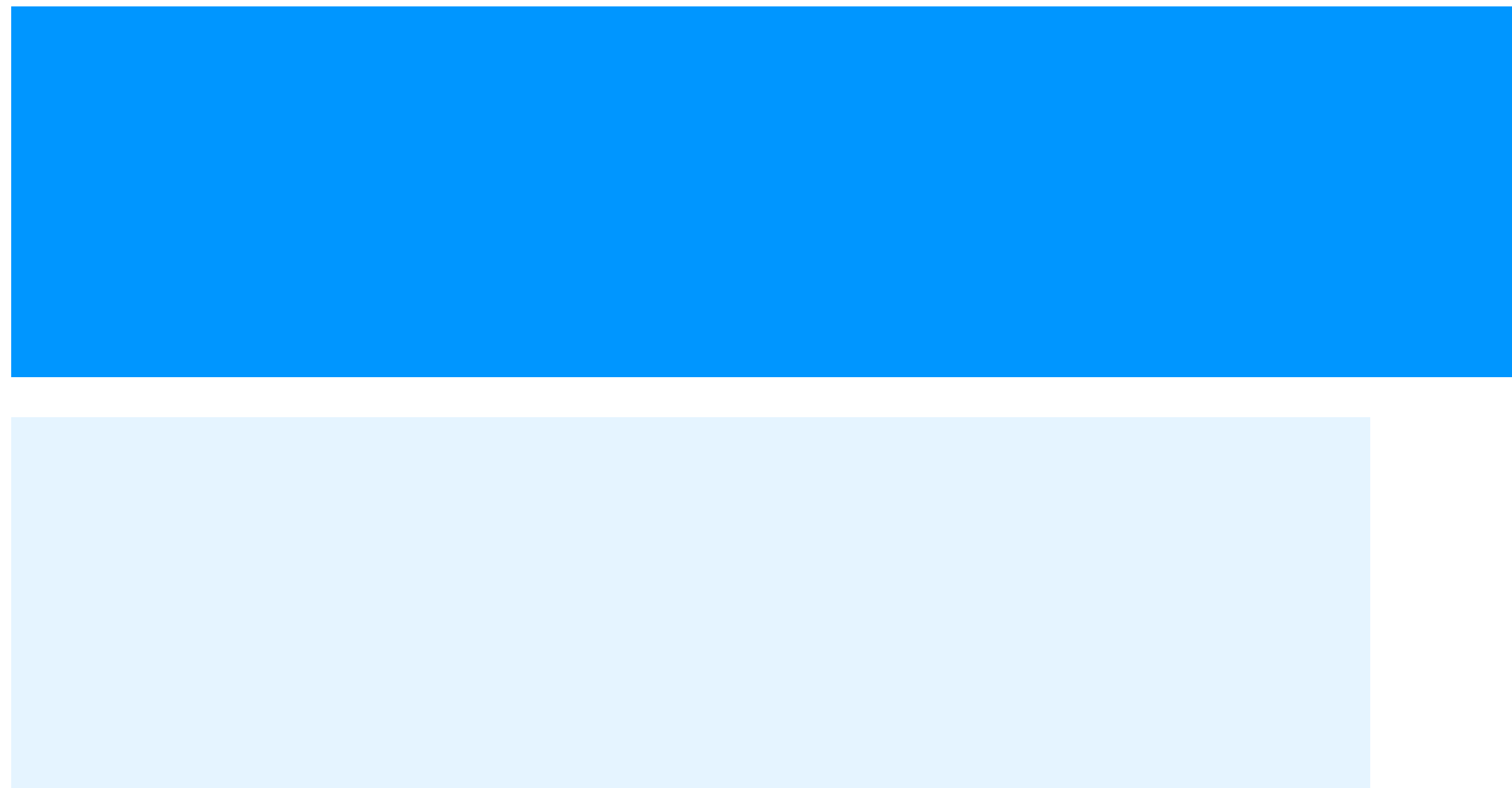
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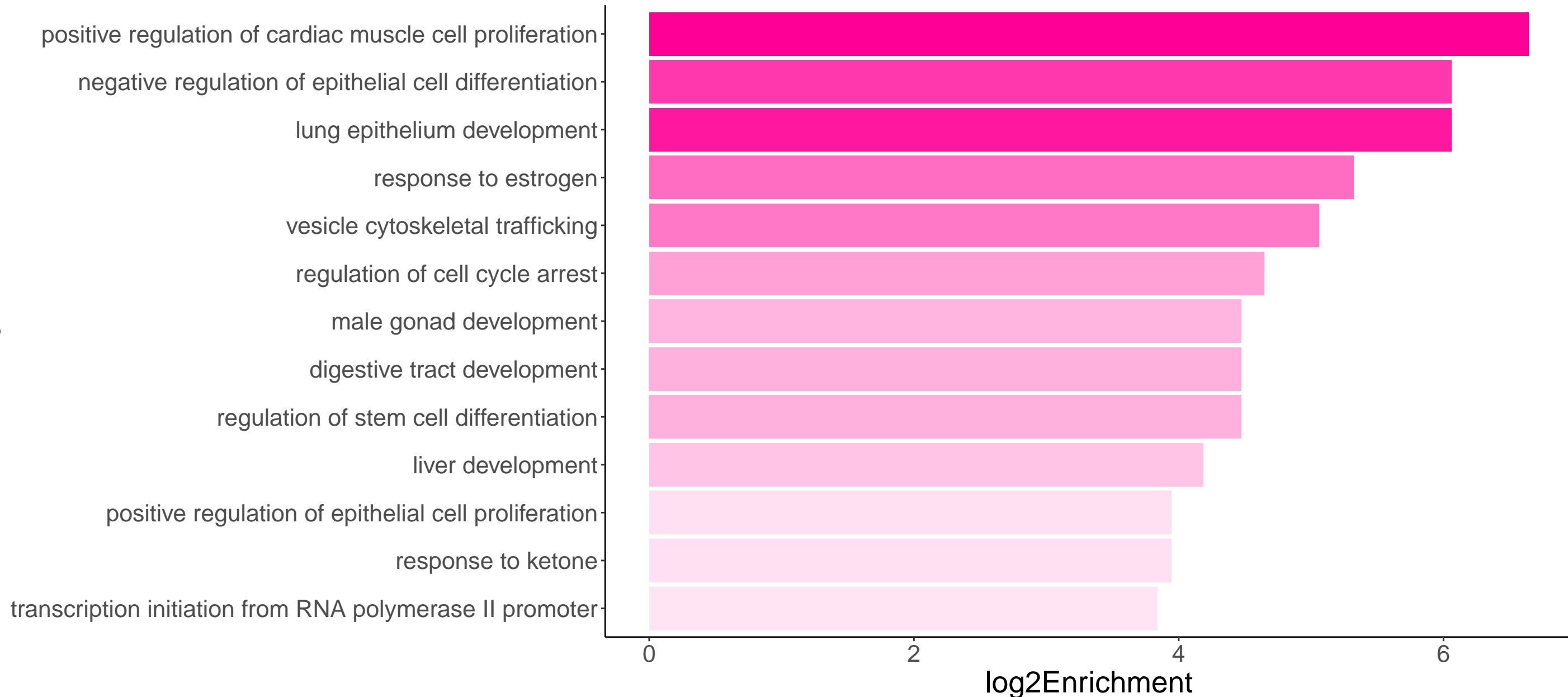
3

4

log2Enrichment



Re-clustered module 5.9.4 BP enrichment



Re-clustered module 5.9.4 MF enrichment

Term

protein C-terminus binding

transcription corepressor activity

0

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2

3

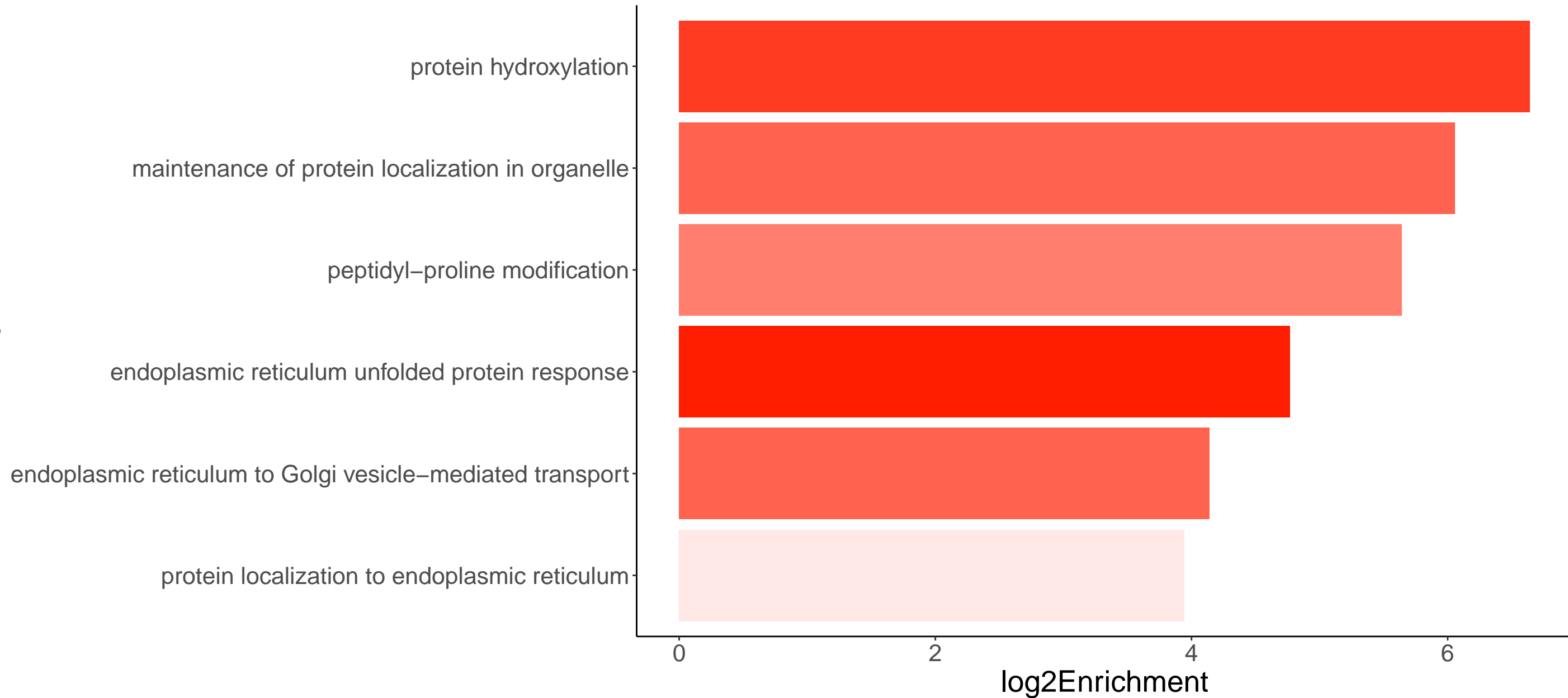
4

log2Enrichment



Re-clustered module 5.9.6 BP enrichment

Term



Re-clustered module 5.9.6 MF enrichment

Term

