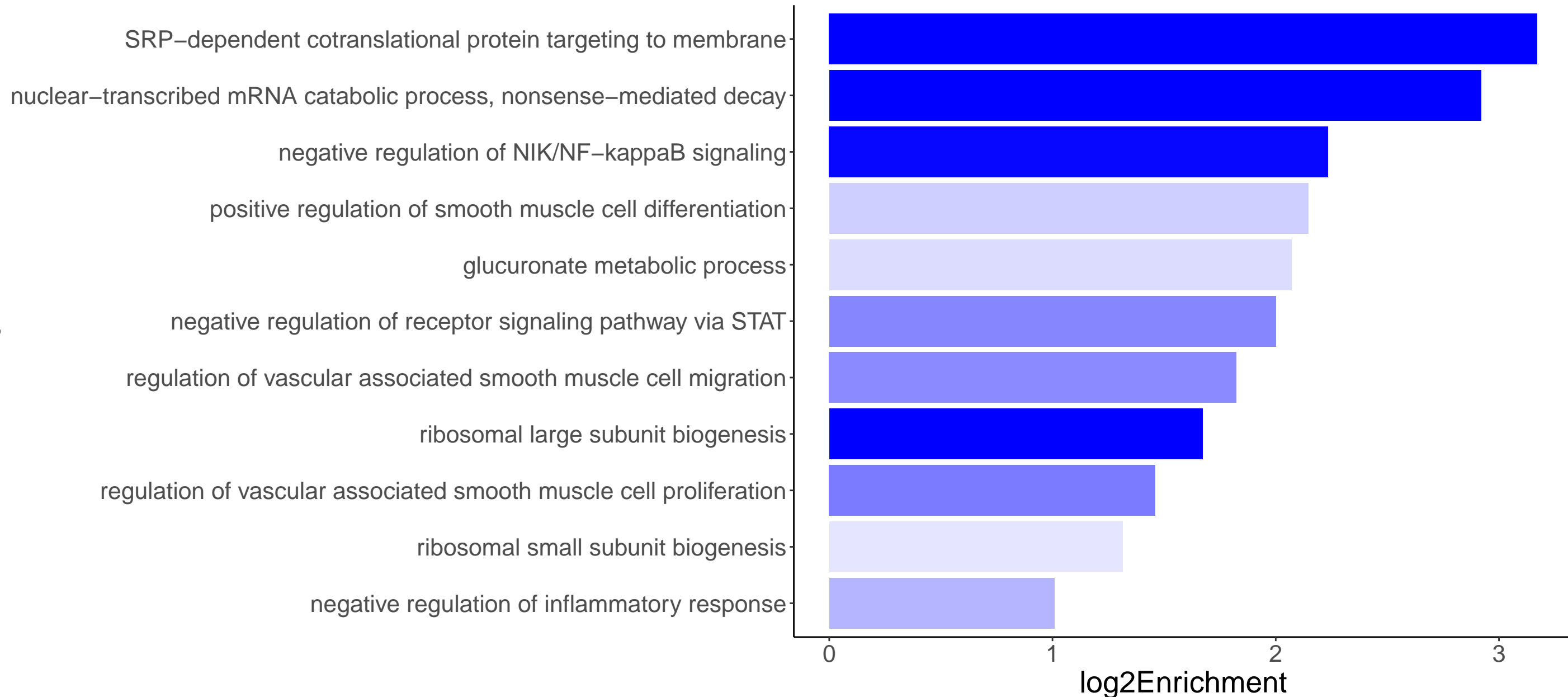


# Original module 1 BP enrichment

Term



# Original module 1 MF enrichment

Term

aspartic-type peptidase activity

mRNA 5'-UTR binding

rRNA binding

translation regulator activity

0.0

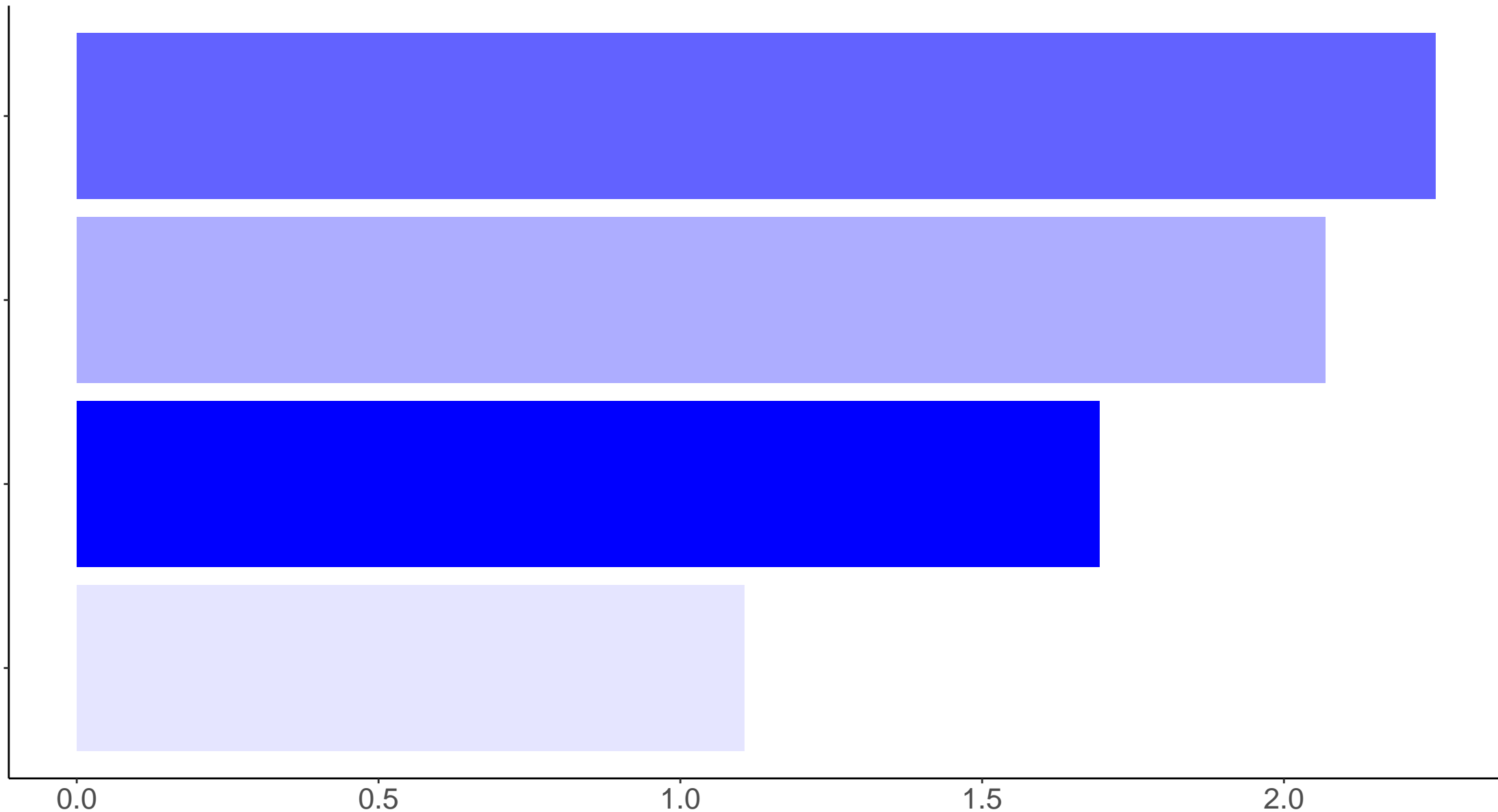
0.5

1.0

1.5

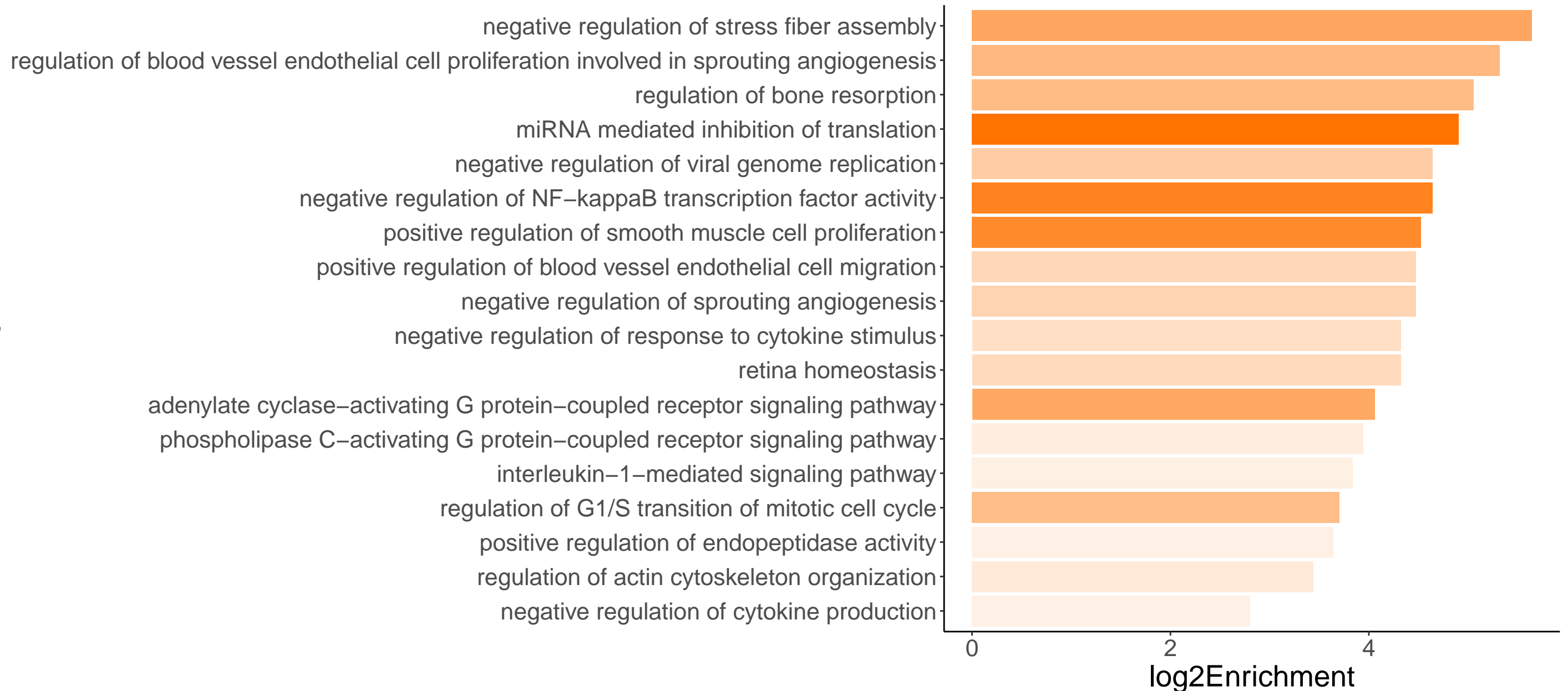
2.0

log2Enrichment



# Re-clustered module 1.1 BP enrichment

Term



# Re-clustered module 1.1 MF enrichment

Term

mRNA binding involved in posttranscriptional gene silencing

0

1

2

3

log2Enrichment



# Re-clustered module 1.10 BP enrichment

Term

myoblast proliferation

negative regulation of fatty acid biosynthetic process

keratinization

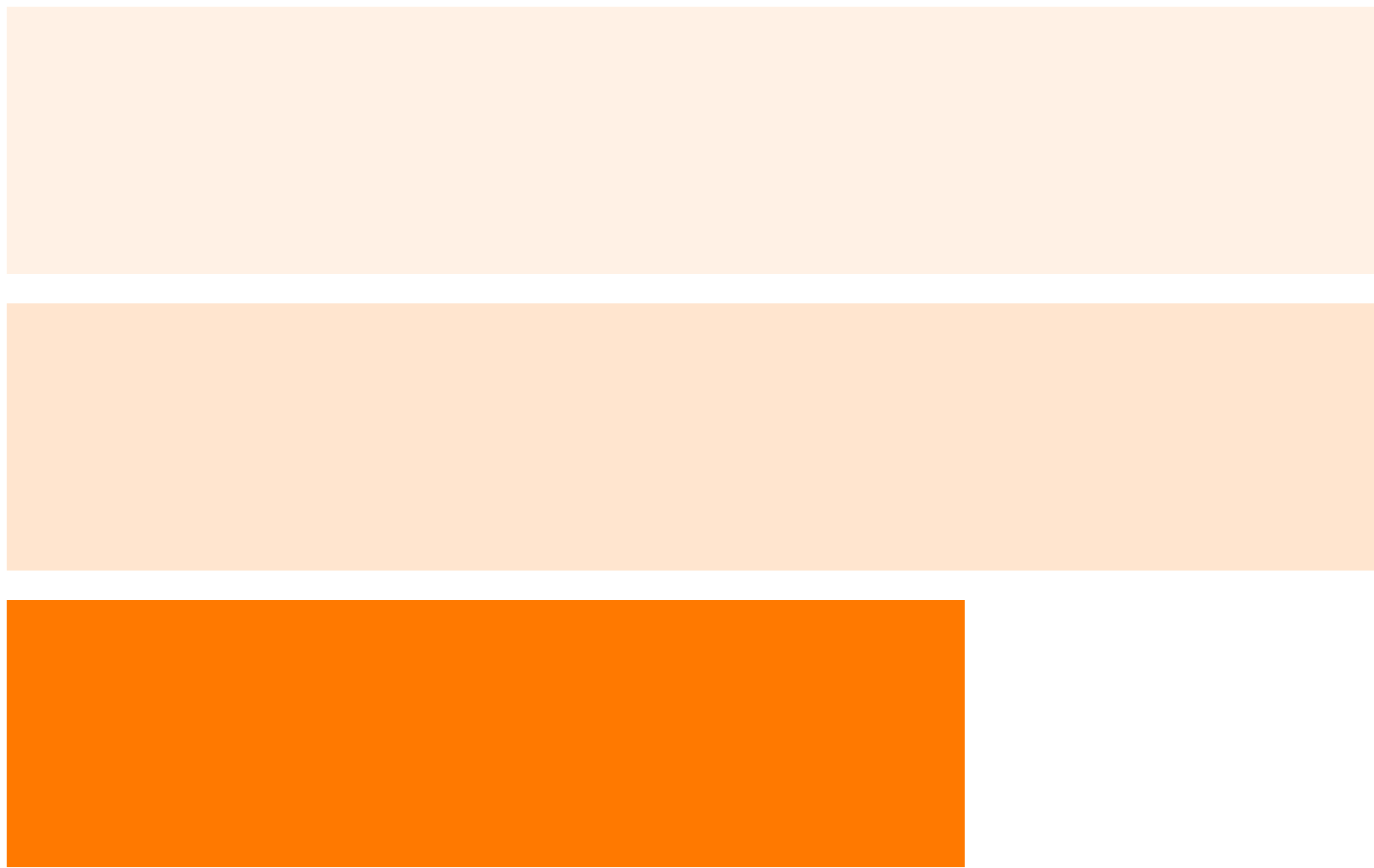
0

2

4

6

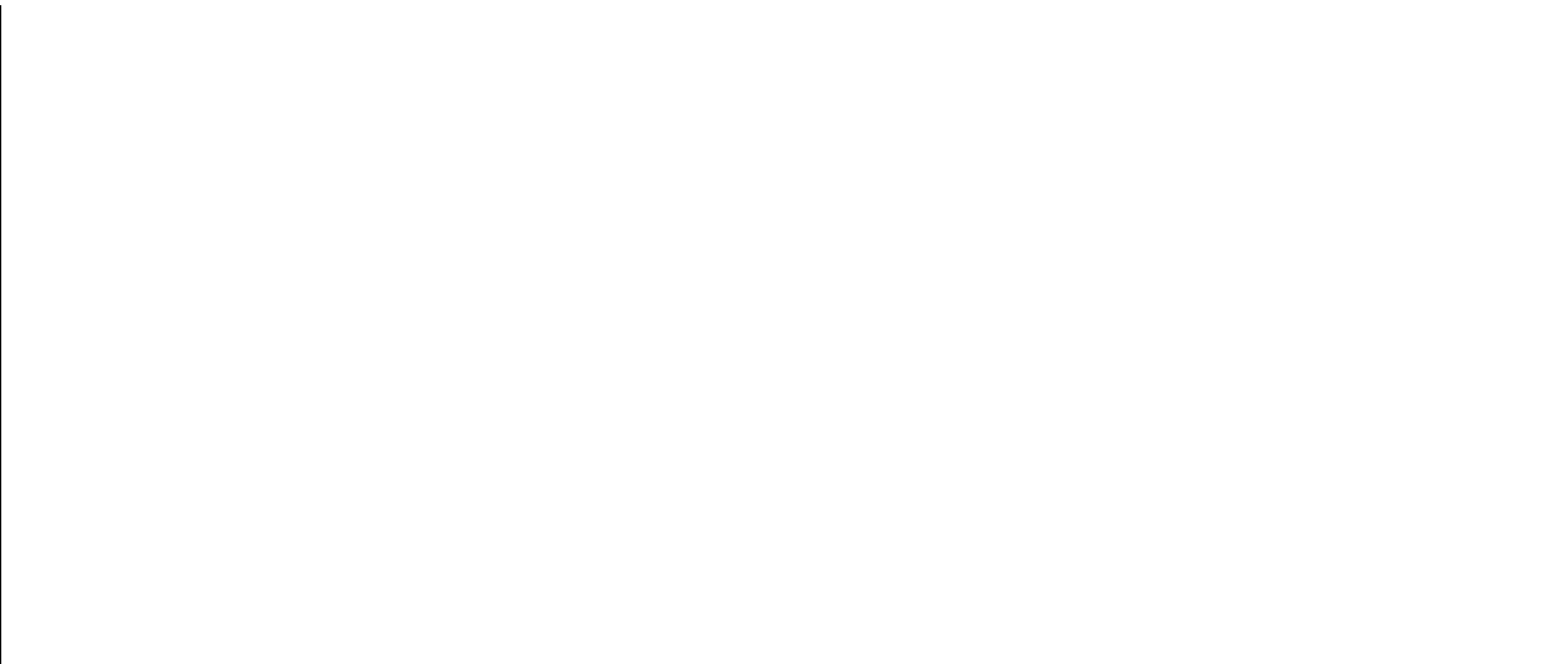
log2Enrichment



Re-clustered module 1.10 MF enrichment

Term

log2Enrichment



# Re-clustered module 1.11 BP enrichment

Term

positive regulation of calcium ion transport into cytosol

0

2

4

6

log2Enrichment

positive regulation of calcium ion transmembrane transport

0

2

4

6

0

2

4

6

log2Enrichment

# Re-clustered module 1.11 MF enrichment

Term

G protein-coupled peptide receptor activity

0

1

2

3

4

5

log2Enrichment





Re-clustered module 1.12 BP enrichment

Term

log2Enrichment



# Re-clustered module 1.12 MF enrichment

Term

taste receptor activity

peptide binding

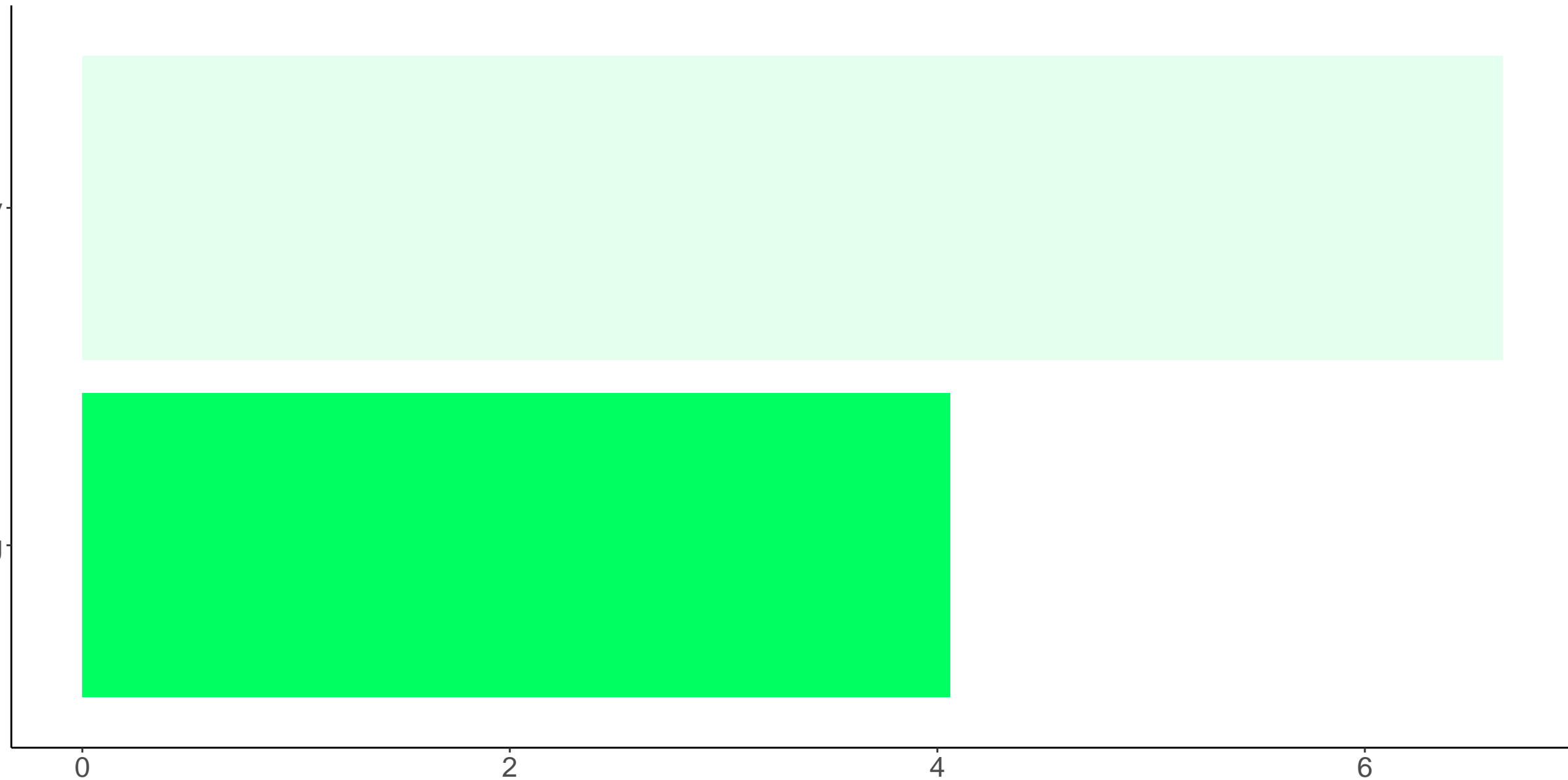
0

2

4

6

log2Enrichment



# Re-clustered module 1.13 BP enrichment

Term

snRNA transcription by RNA polymerase II

0

1

2

3

4

5

log2Enrichment



# Re-clustered module 1.13 MF enrichment

Term

oxidoreductase activity, acting on the CH-OH group of donors, NAD or NADP as acceptor

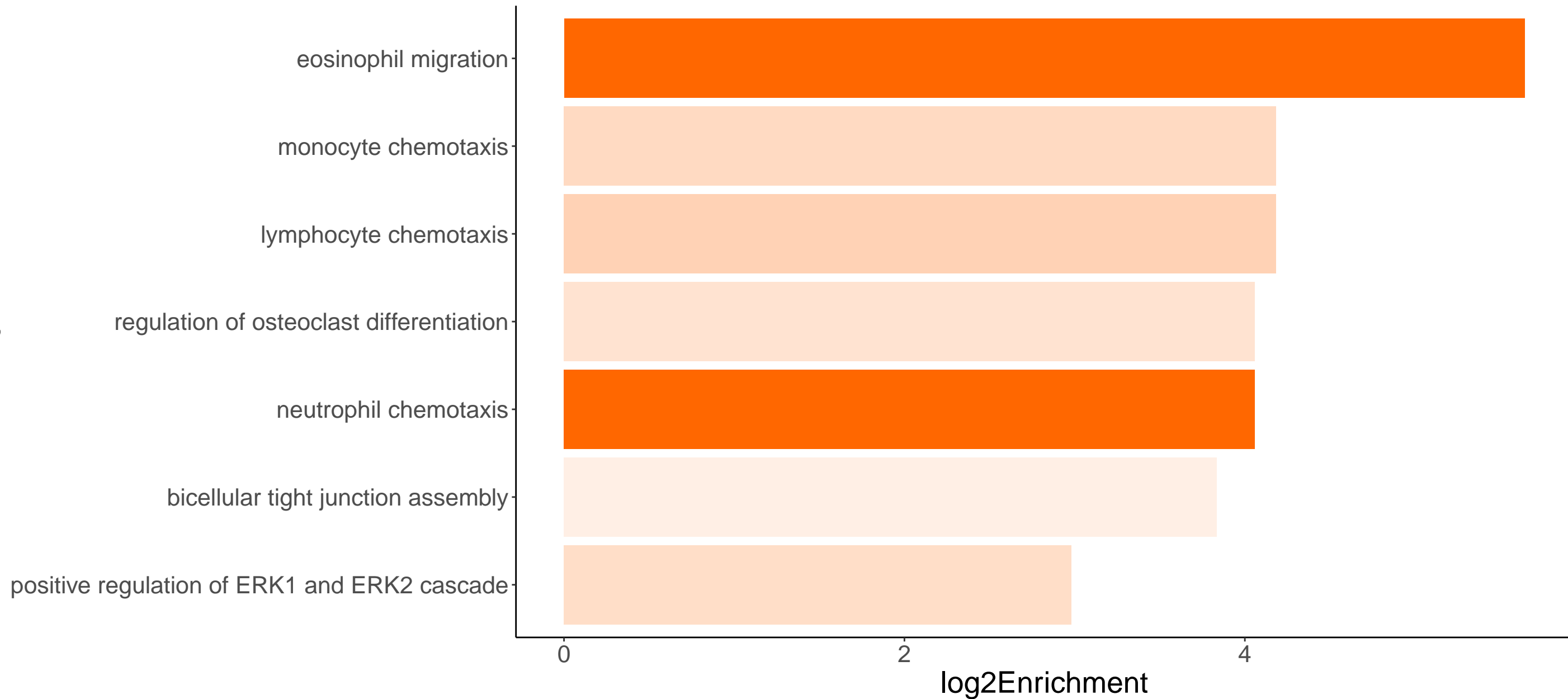
0 1 2 3 4

log2Enrichment



# Re-clustered module 1.14 BP enrichment

Term



# Re-clustered module 1.14 MF enrichment

Term

CCR chemokine receptor binding

chemokine activity

0

1

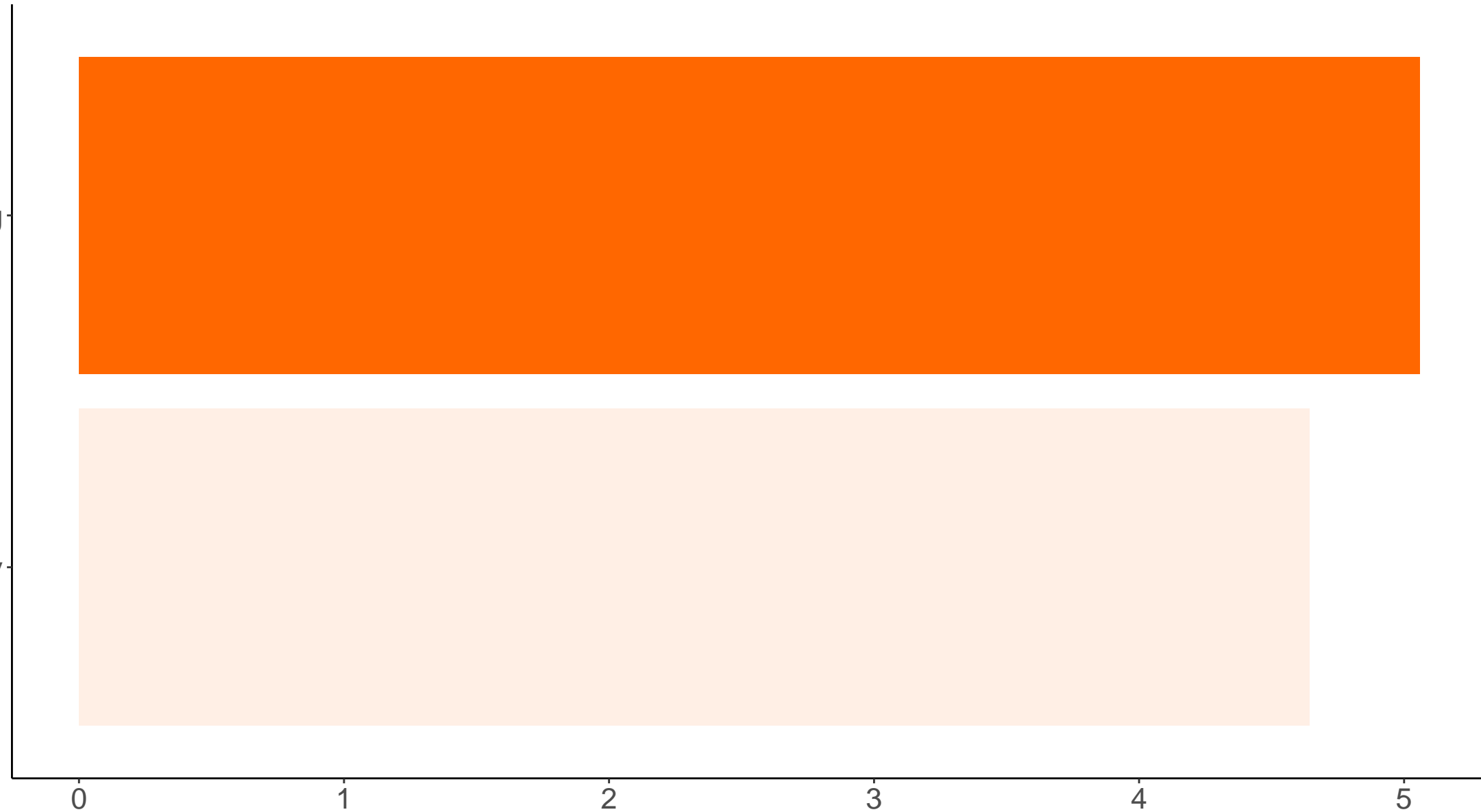
2

3

4

5

log2Enrichment



# Re-clustered module 1.17 BP enrichment

Term

digestion

0

1

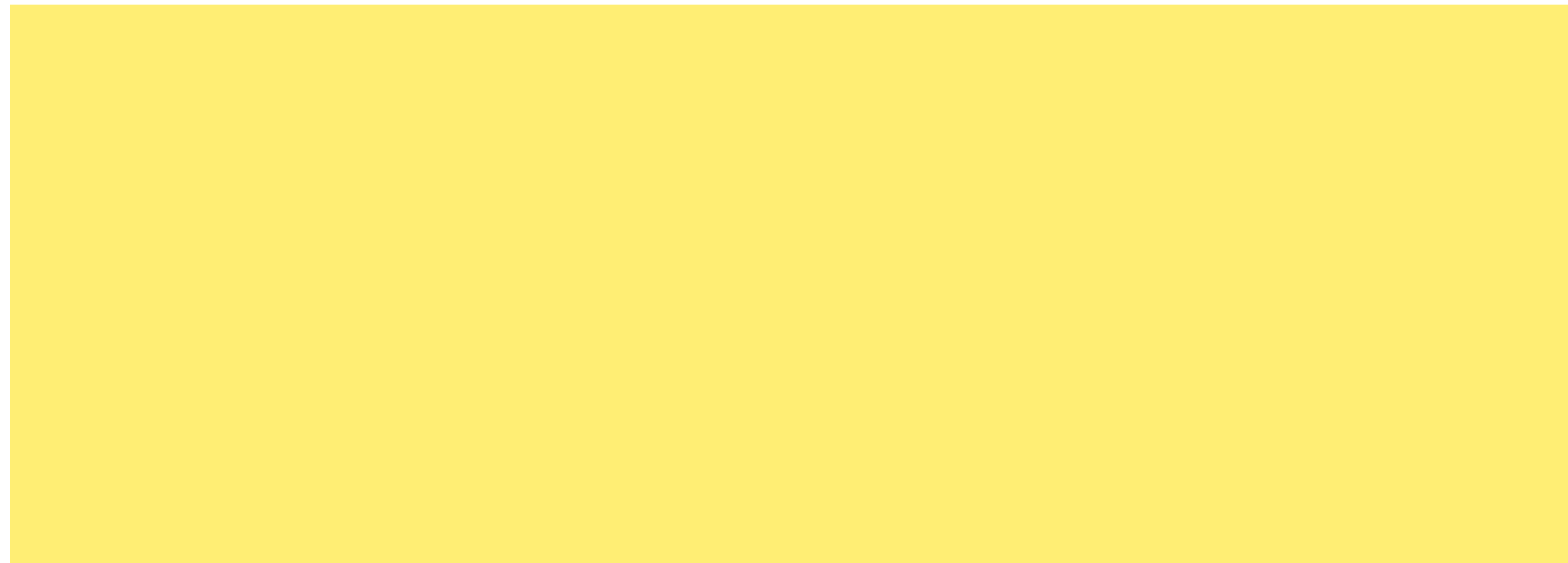
2

3

4

5

log2Enrichment



Re-clustered module 1.17 MF enrichment

Term

log2Enrichment





# Re-clustered module 1.18 BP enrichment

Term

negative regulation of cardiocyte differentiation

regulation of cardiac muscle cell differentiation

0

2

4

log2Enrichment



# Re-clustered module 1.18 MF enrichment

Term

mRNA binding involved in posttranscriptional gene silencing

0

1

2

3

log2Enrichment



# Re-clustered module 1.19 BP enrichment

Term

regulation of vascular endothelial growth factor signaling pathway

negative regulation of transforming growth factor beta receptor signaling pathway

determination of left/right symmetry

0

2

4

6

log2Enrichment



Re-clustered module 1.19 MF enrichment

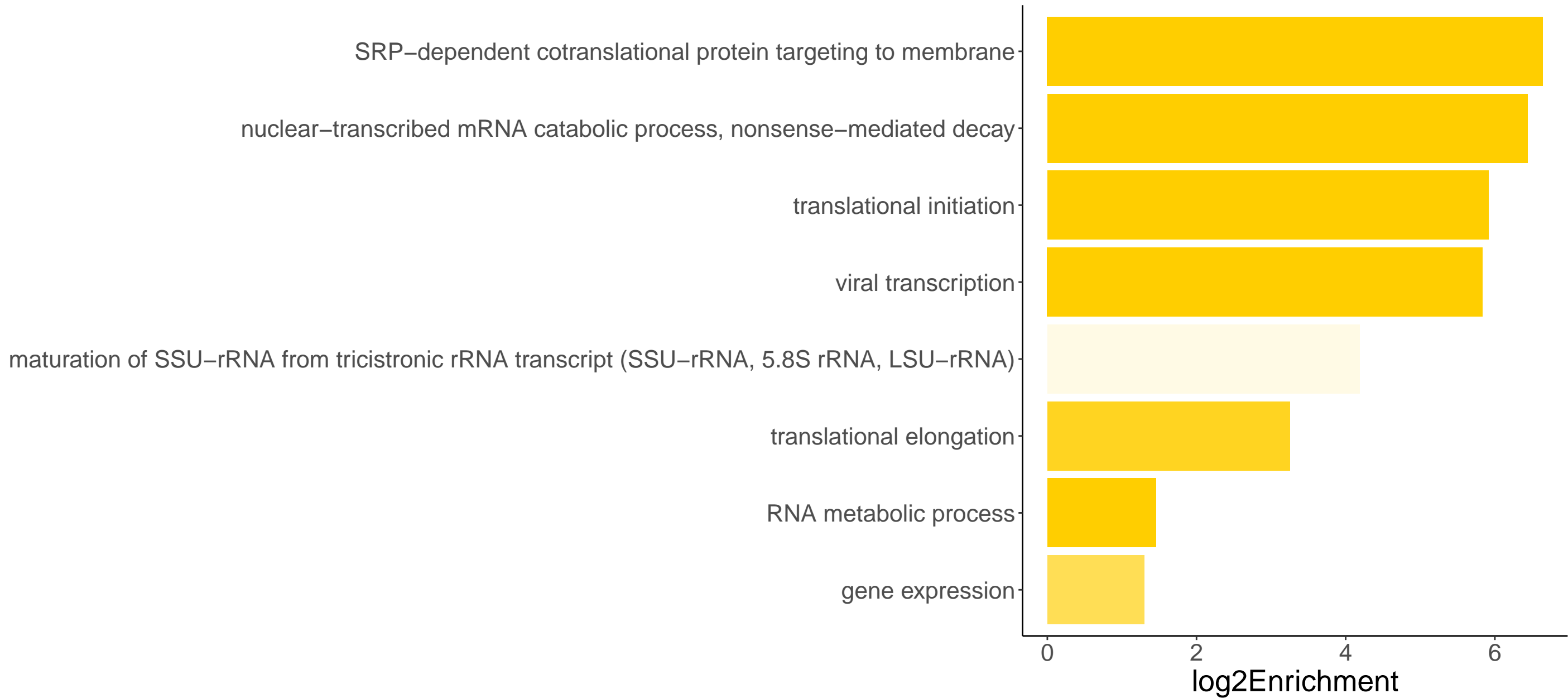
Term

log2Enrichment



Re-clustered module 1.2 BP enrich

Term



# Re-clustered module 1.2 MF enrichment

Term

structural constituent of ribosome

cadherin binding

0

2

4

6

log2Enrichment



# Re-clustered module 1.20 BP enrichment

Term

mannosylation

0

2

4

6

log2Enrichment



# Re-clustered module 1.20 MF enrichment

Term

mannosyltransferase activity

0

2

4

6

log2Enrichment





# Re-clustered module 1.22 BP enrichment

Term

hydrogen peroxide catabolic process

long-chain fatty-acyl-CoA metabolic process

embryonic hemopoiesis

thyroid hormone generation

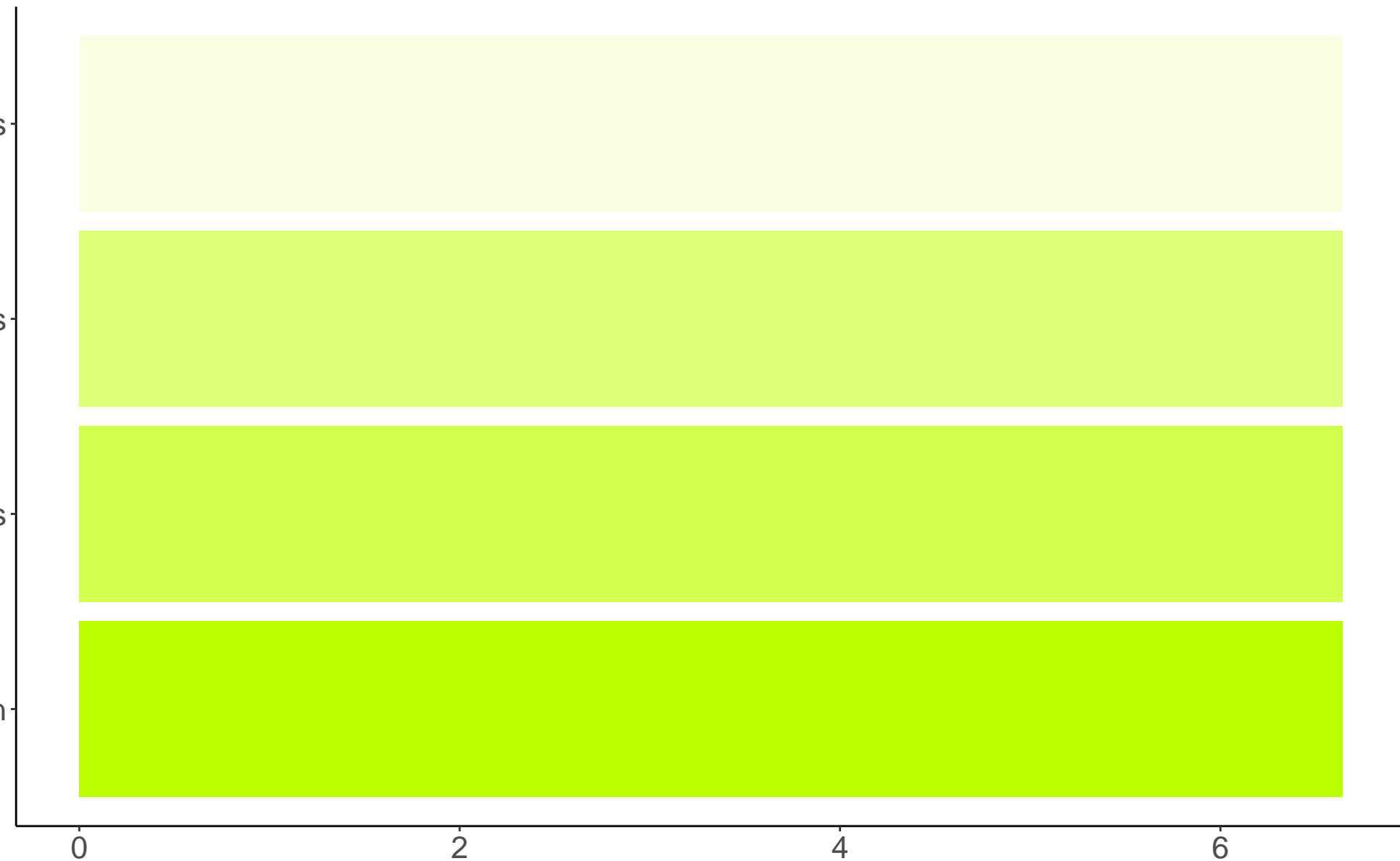
0

2

4

6

log2Enrichment



# Re-clustered module 1.22 MF enrichment

Term

CoA-ligase activity

NAD+ ADP-ribosyltransferase activity

fatty acid ligase activity

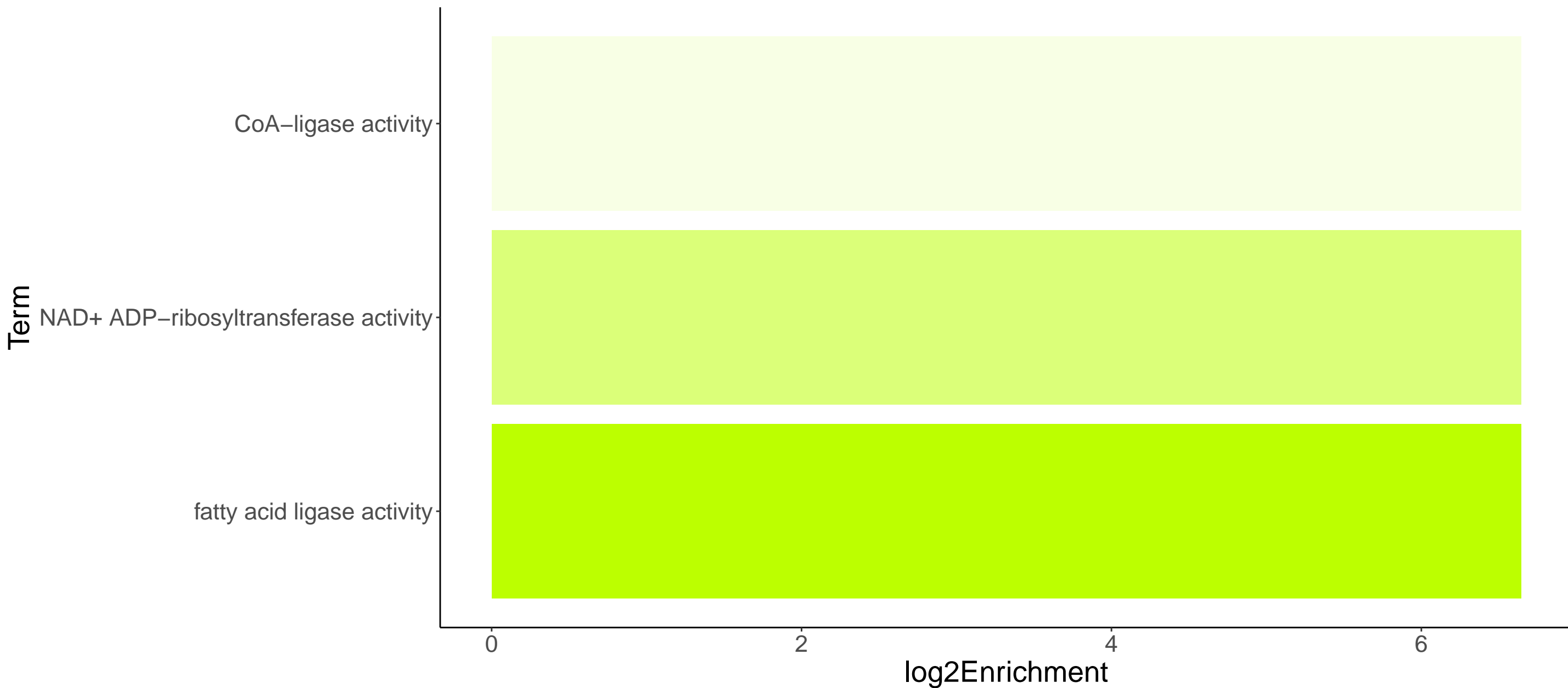
0

2

4

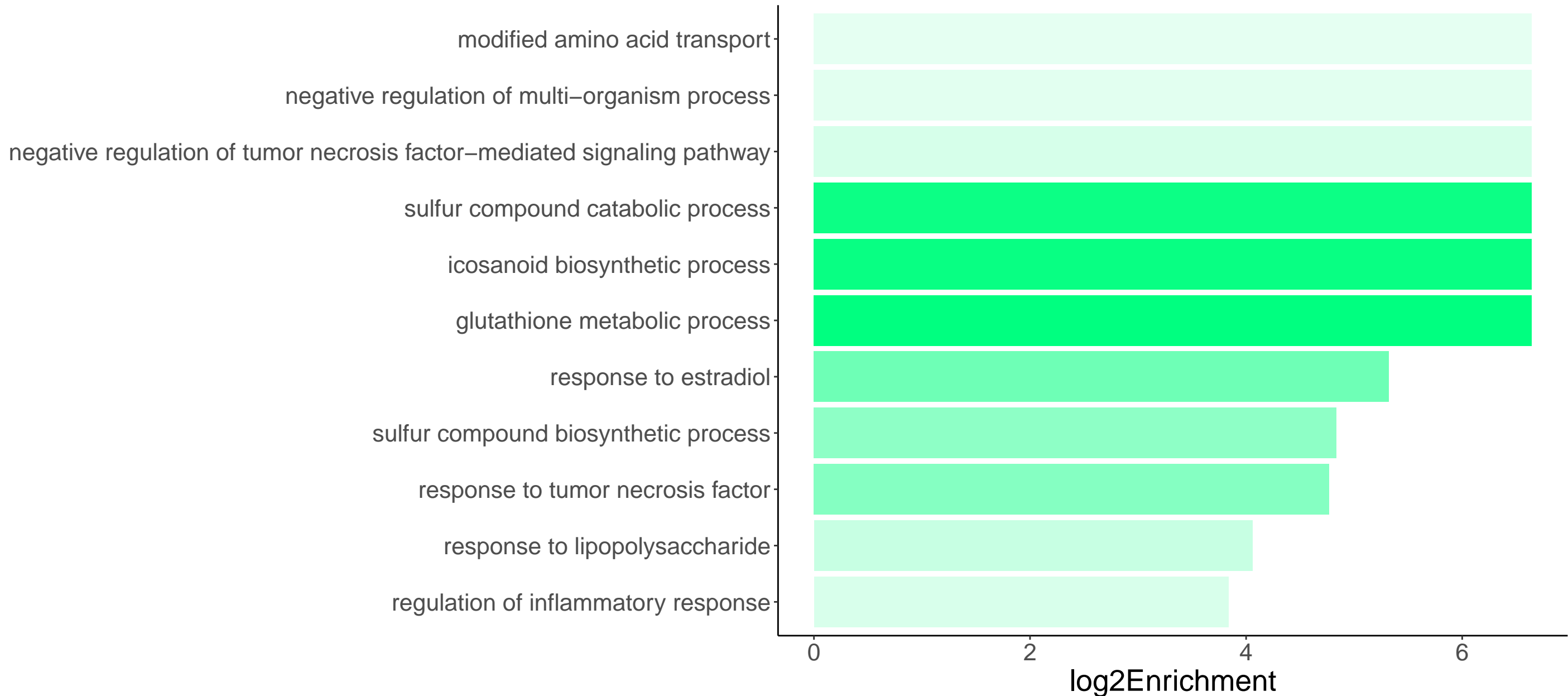
6

log2Enrichment



# Re-clustered module 1.27 BP enrichment

Term



# Re-clustered module 1.27 MF enrichment

Term

protein-membrane adaptor activity

transferase activity, transferring acyl groups

0

2

4

6

log2Enrichment



Re-clustered module 1.3 BP enrichment

Term

log2Enrichment



# Re-clustered module 1.3 MF enrichment

Term

carbohydrate binding

0

1

2

3

log2Enrichment



# Re-clustered module 1.33 BP enrichment

Term

neuromuscular process controlling balance

smooth muscle contraction

regulation of cation channel activity

learning or memory

0

2

4

6

log2Enrichment



# Re-clustered module 1.33 MF enrichment

Term

E-box binding

0

2

4

6

log2Enrichment





# Re-clustered module 1.34 BP enrichment

Term

negative regulation of T cell proliferation

keratinization

0

2

4

log2Enrichment



Re-clustered module 1.34 MF enrichment

Term

log2Enrichment



# Re-clustered module 1.36 BP enrichment

Term

positive regulation of phosphatidylinositol 3-kinase activity

thyroid hormone metabolic process

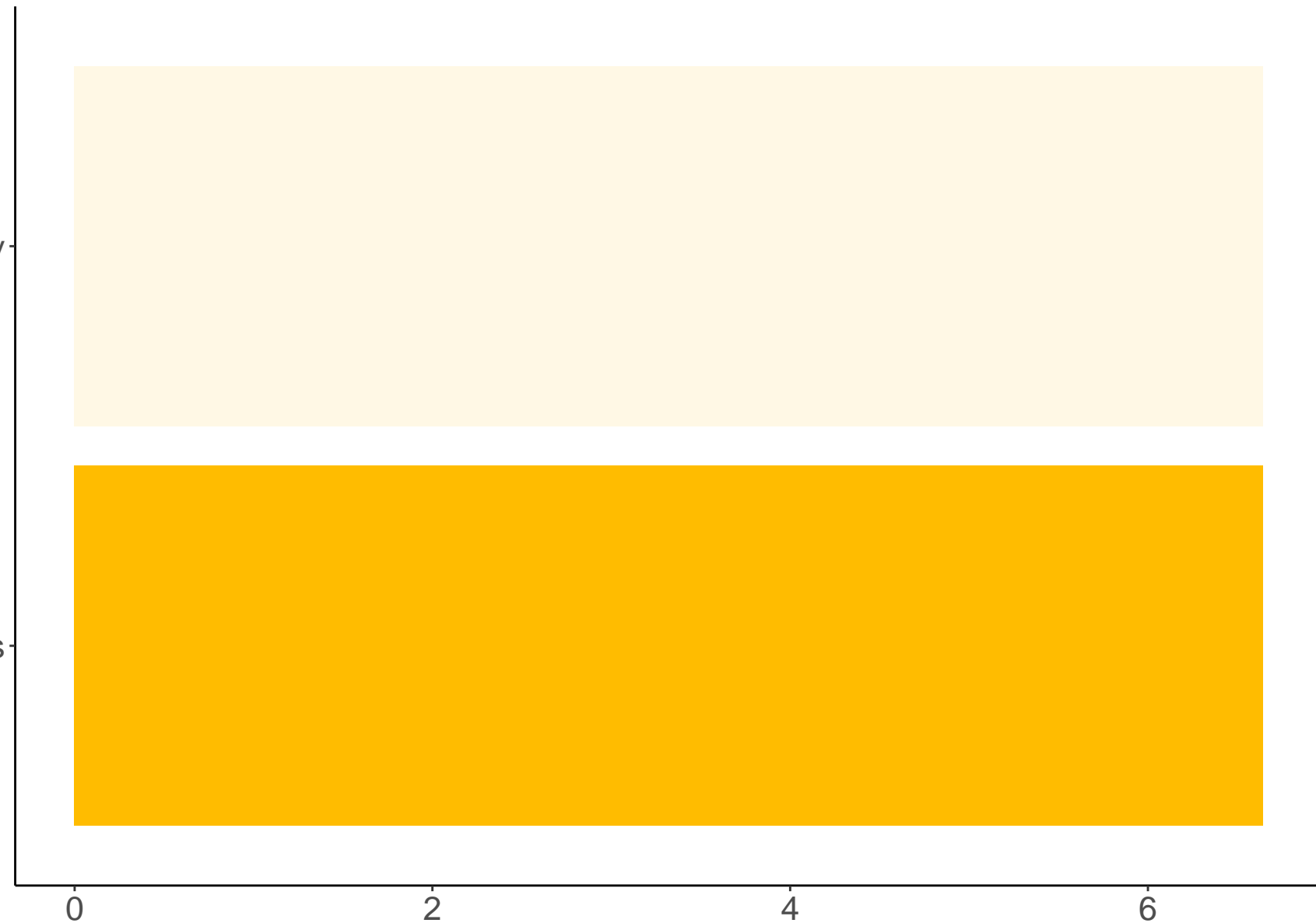
0

2

4

6

log2Enrichment



# Re-clustered module 1.36 MF enrichment

Term

catalytic activity, acting on a glycoprotein

phospholipid transfer activity

0

2

4

6

log2Enrichment



# Re-clustered module 1.37 BP enrichment

Term

deoxyribonucleotide catabolic process

0

2

4

6

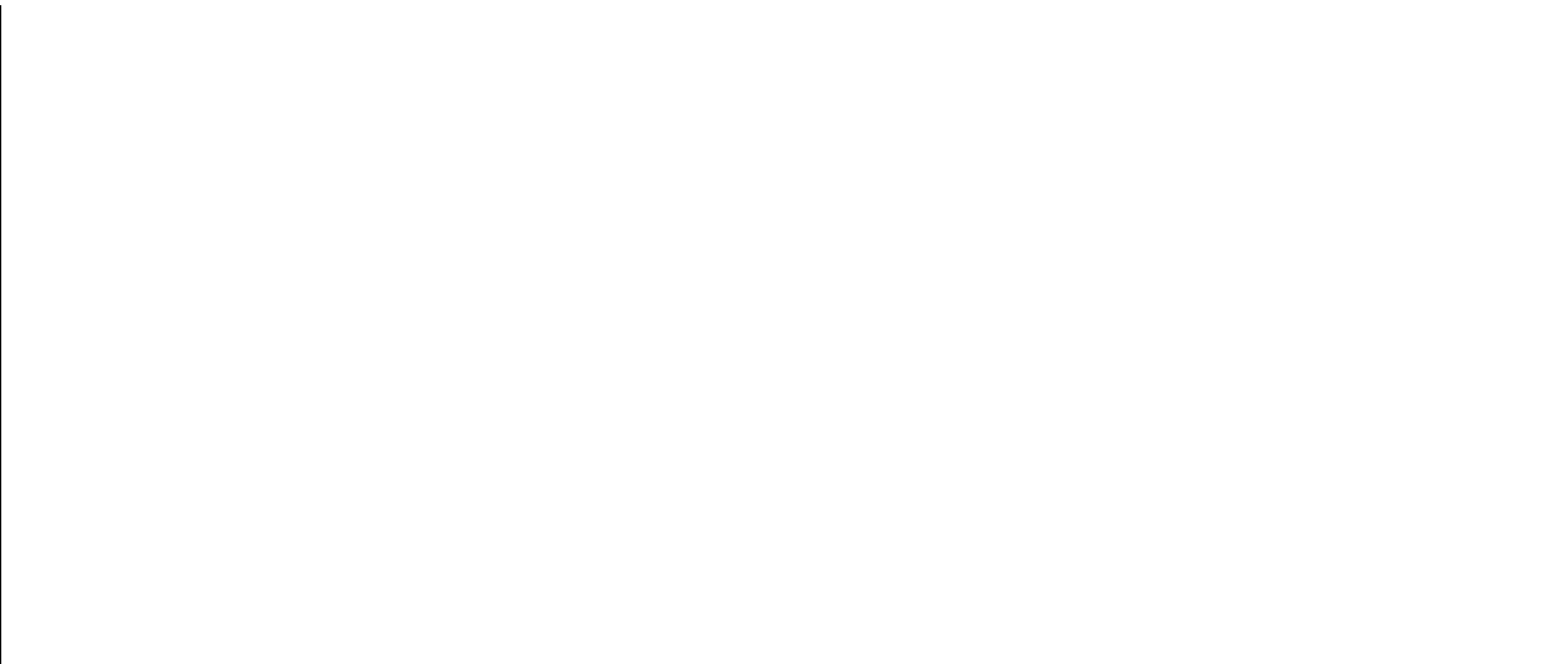
log2Enrichment



Re-clustered module 1.37 MF enrichment

Term

log2Enrichment



Re-clustered module 1.5 BP enrichment

Term

log2Enrichment



Re-clustered module 1.5 MF enrichment

Term

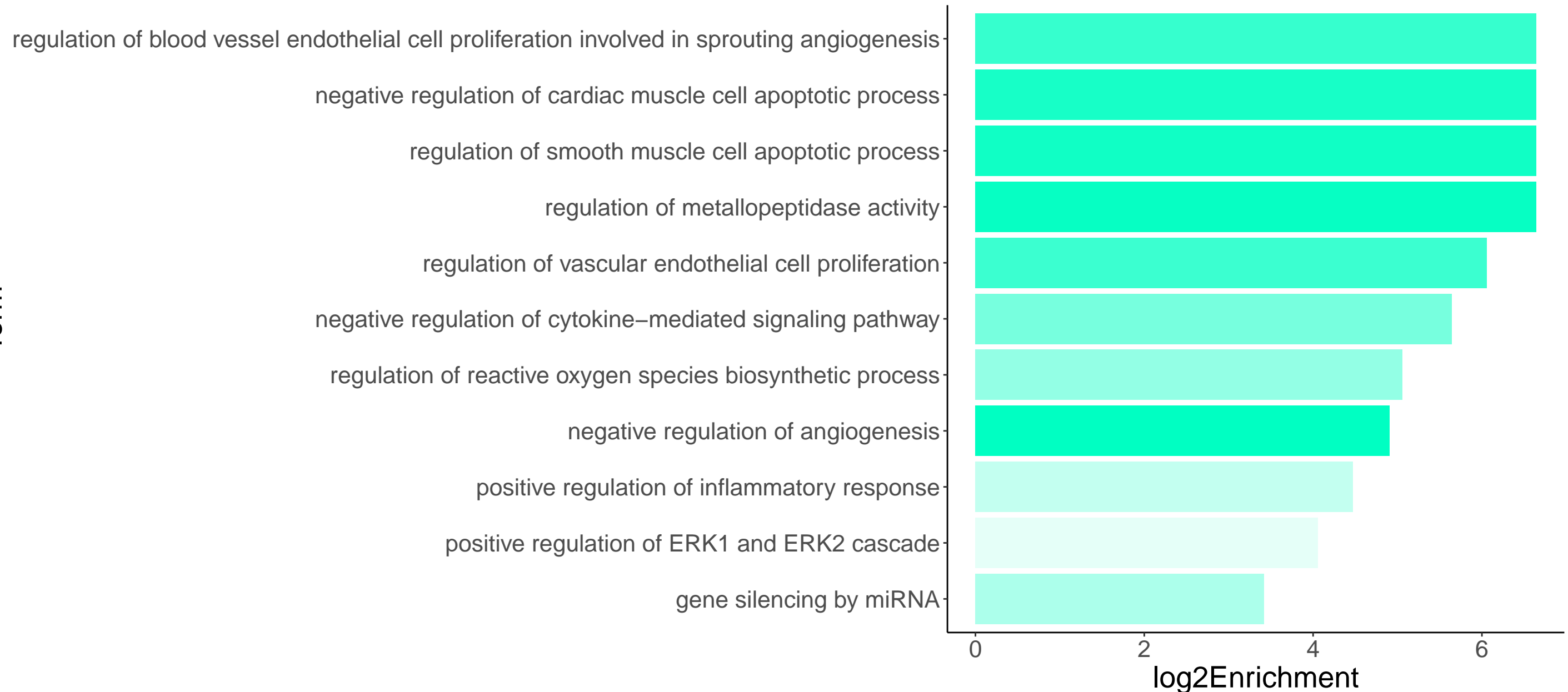
log2Enrichment





# Re-clustered module 1.52 BP enrichment

Term



# Re-clustered module 1.52 MF enrichment

Term

mRNA binding involved in posttranscriptional gene silencing

0

1

2

3

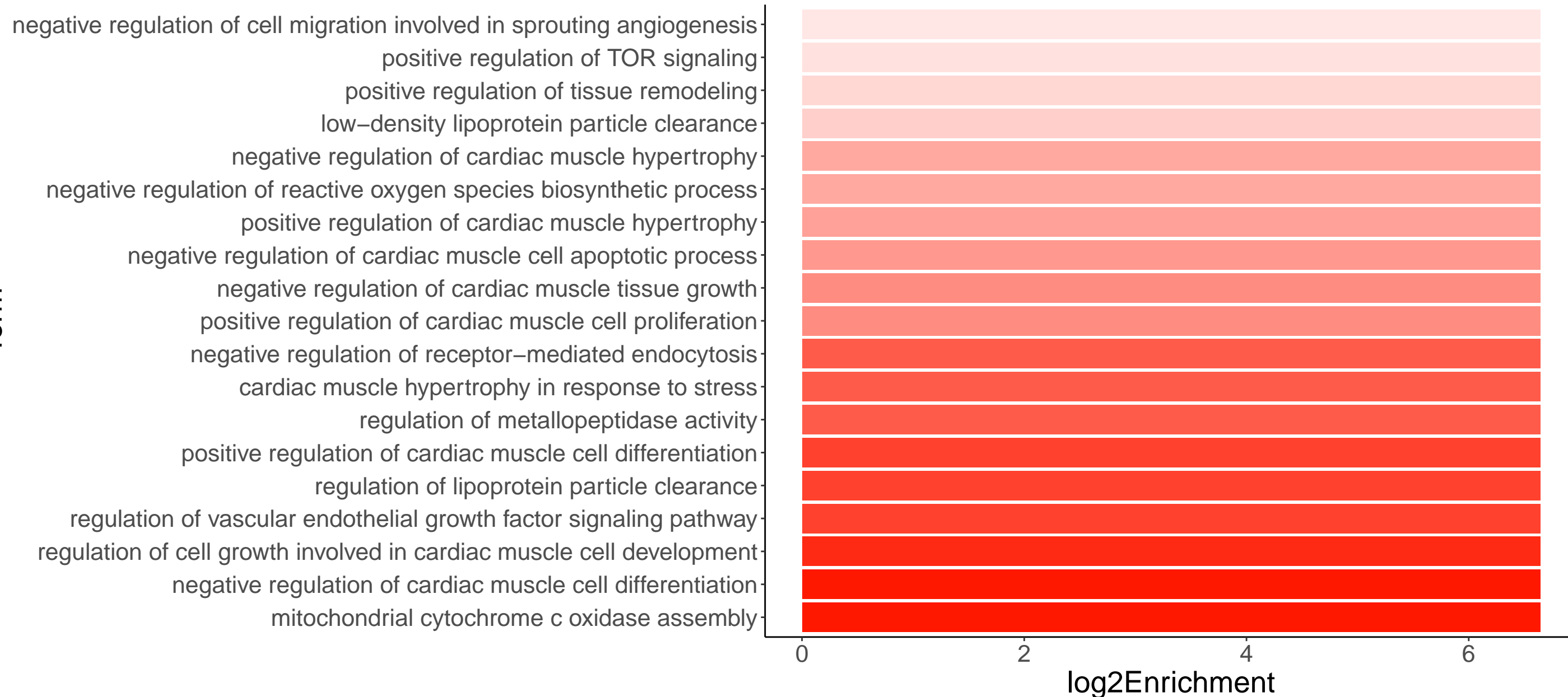
4

5

log2Enrichment



## Re-clustered module 1.53 BP enrichment



Re-clustered module 1.53 MF enrichment

Term

log2Enrichment



# Re-clustered module 1.54 BP enrichment

Term

androgen metabolic process

regulation of rhodopsin mediated signaling pathway

glucuronate metabolic process

0

2

4

6

log2Enrichment



# Re-clustered module 1.54 MF enrichment

Term

ankyrin binding

inward rectifier potassium channel activity

glucuronosyltransferase activity

0

2

4

6

log2Enrichment



# Re-clustered module 1.6.1 BP enrichment

Term

homophilic cell adhesion via plasma membrane adhesion molecules

0

2

4

log2Enrichment



# Re-clustered module 1.6.1 MF enrichment

Term

peptide hormone receptor binding

neuropeptide receptor binding

calcium ion binding

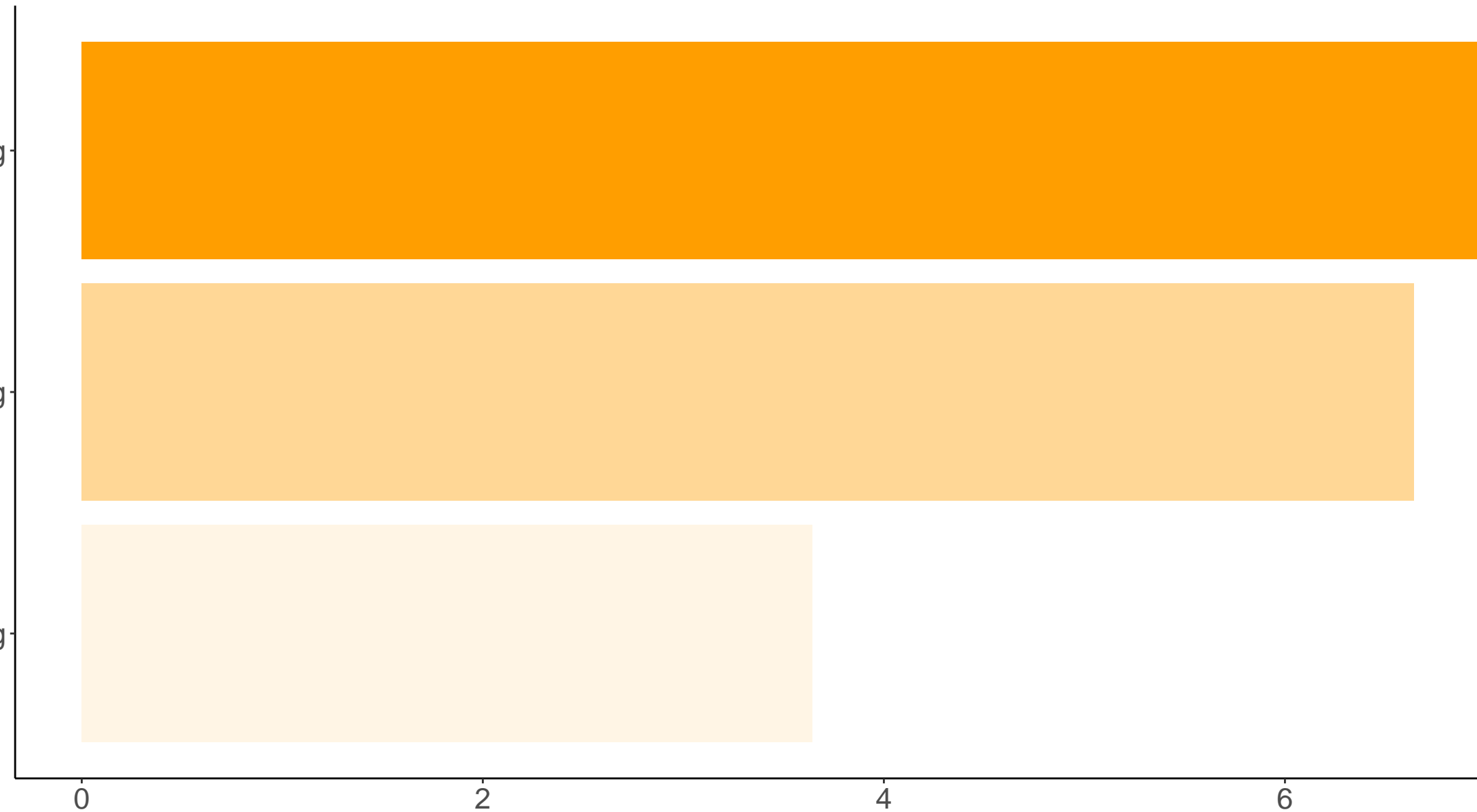
0

2

4

6

log2Enrichment





# Re-clustered module 1.6.2 BP enrichment

Term

collagen catabolic process

regulation of collagen metabolic process

viral entry into host cell

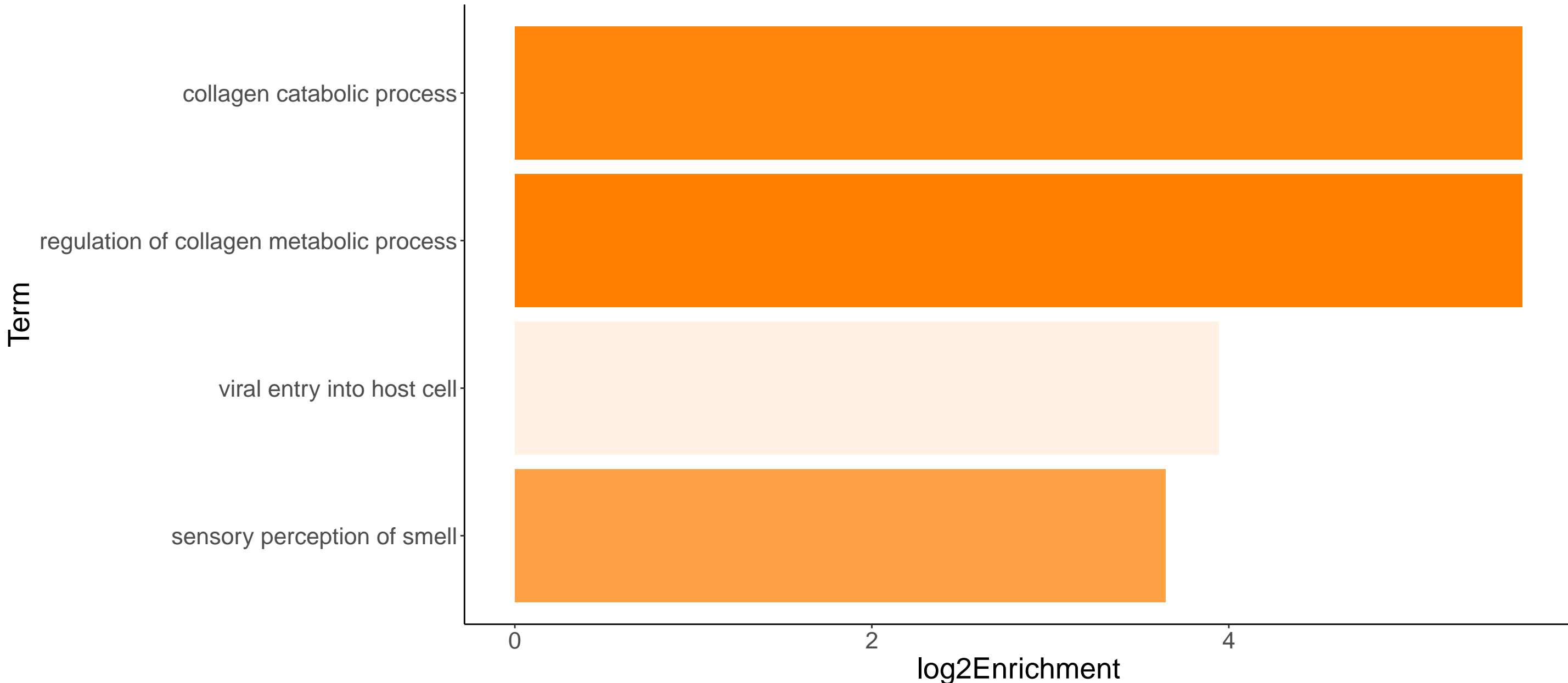
sensory perception of smell

0

2

4

log2Enrichment



# Re-clustered module 1.6.2 MF enrichment

Term

cytokine binding

0

1

2

3

4

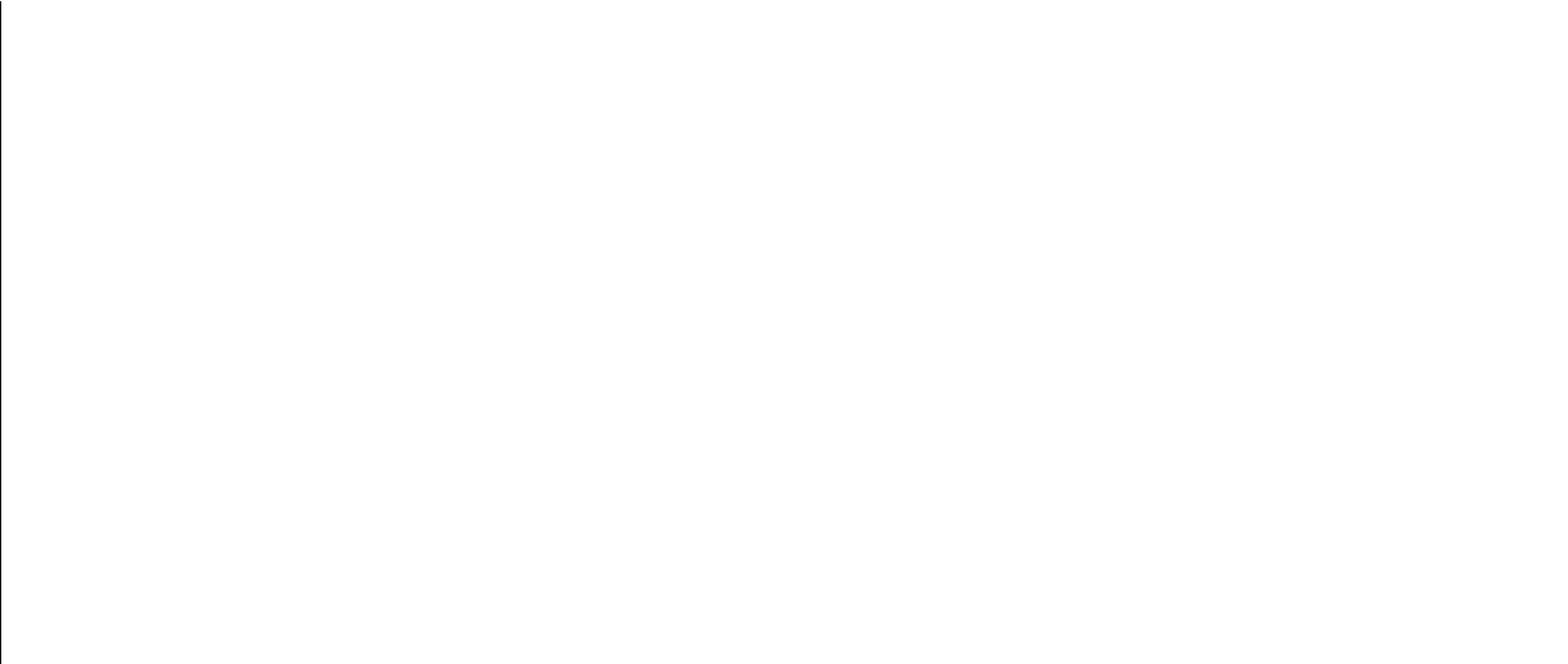
log2Enrichment



Re-clustered module 1.6.3 BP enrichment

Term

log2Enrichment



Re-clustered module 1.6.3 MF enrichment

Term

log2Enrichment



Re-clustered module 1.6.5 BP enrichment

Term

log2Enrichment



Re-clustered module 1.6.5 MF enrichment

Term

log2Enrichment



# Re-clustered module 1.6.6 BP enrichment

Term

sodium ion transport

0

1

2

3

4

log2Enrichment



Re-clustered module 1.6.6 MF enrichment

Term

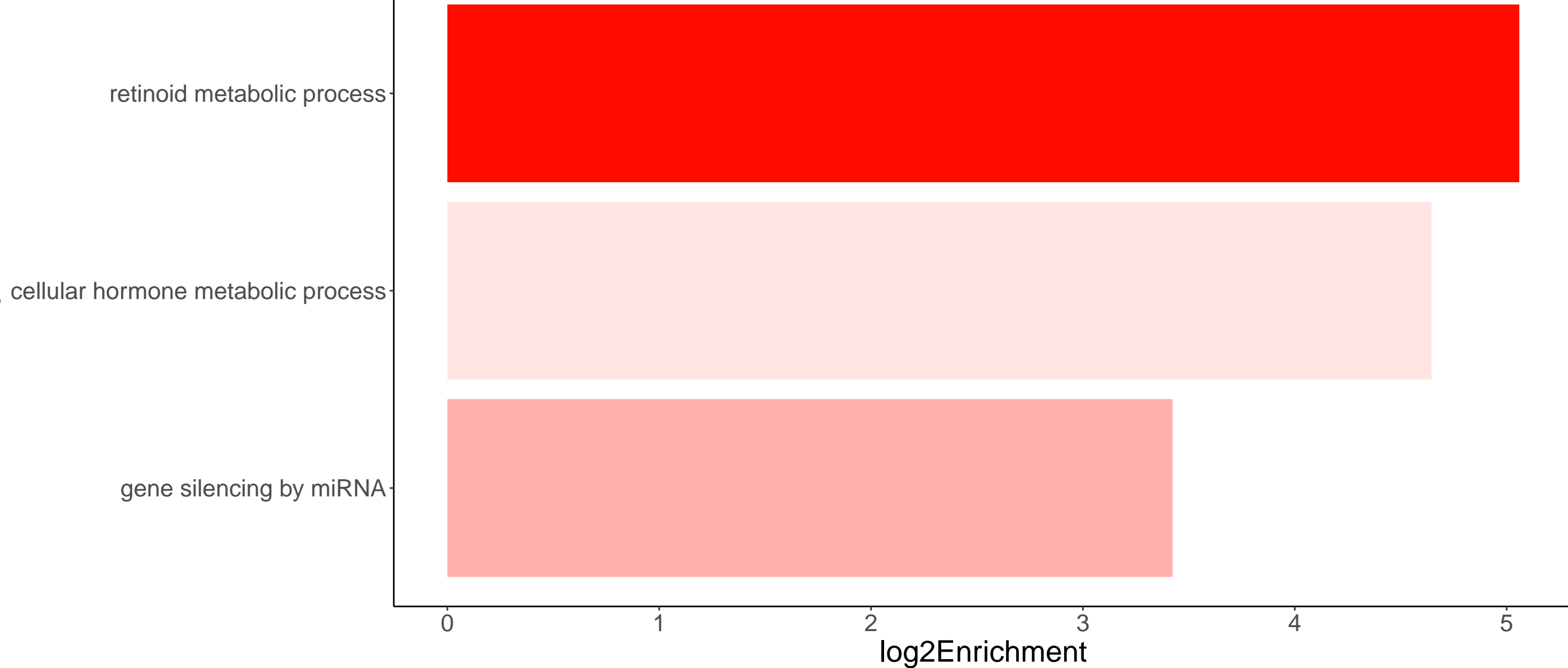
log2Enrichment





# Re-clustered module 1.6.7 BP enrichment

Term



# Re-clustered module 1.6.7 MF enrichment

Term

mRNA binding involved in posttranscriptional gene silencing

0

1

2

3

4

log2Enrichment



# Re-clustered module 1.6.9 BP enrichment

Term

positive regulation of phosphoprotein phosphatase activity

negative regulation of epidermal growth factor receptor signaling pathway

peptide hormone processing

vasodilation

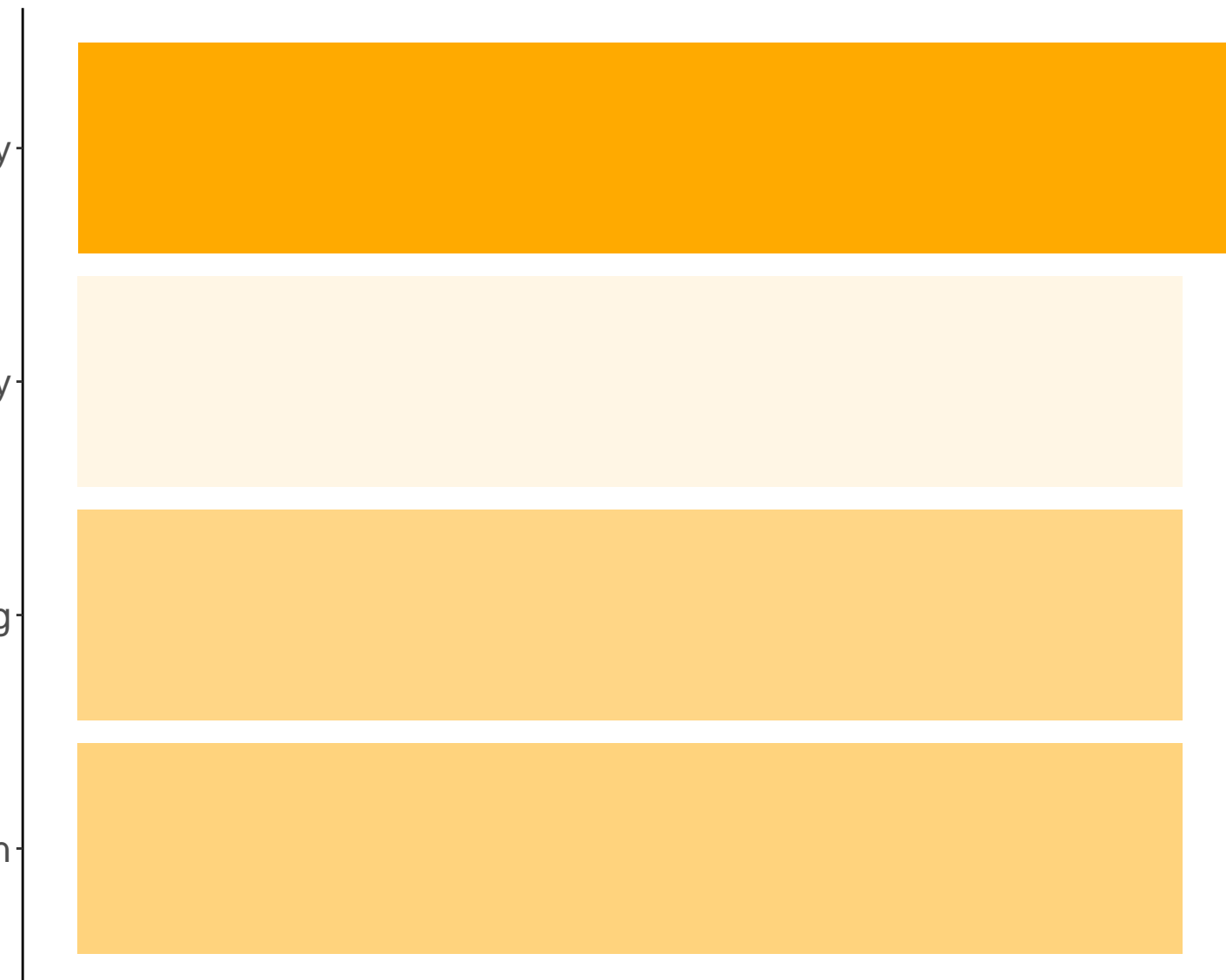
0

2

4

6

log2Enrichment



Re-clustered module 1.6.9 MF enrichment

Term

log2Enrichment



# Re-clustered module 1.61 BP enrichment

Term

positive regulation of protein processing

sphingoid metabolic process

ceramide catabolic process

diol biosynthetic process

glycoside metabolic process

regulation of macroautophagy

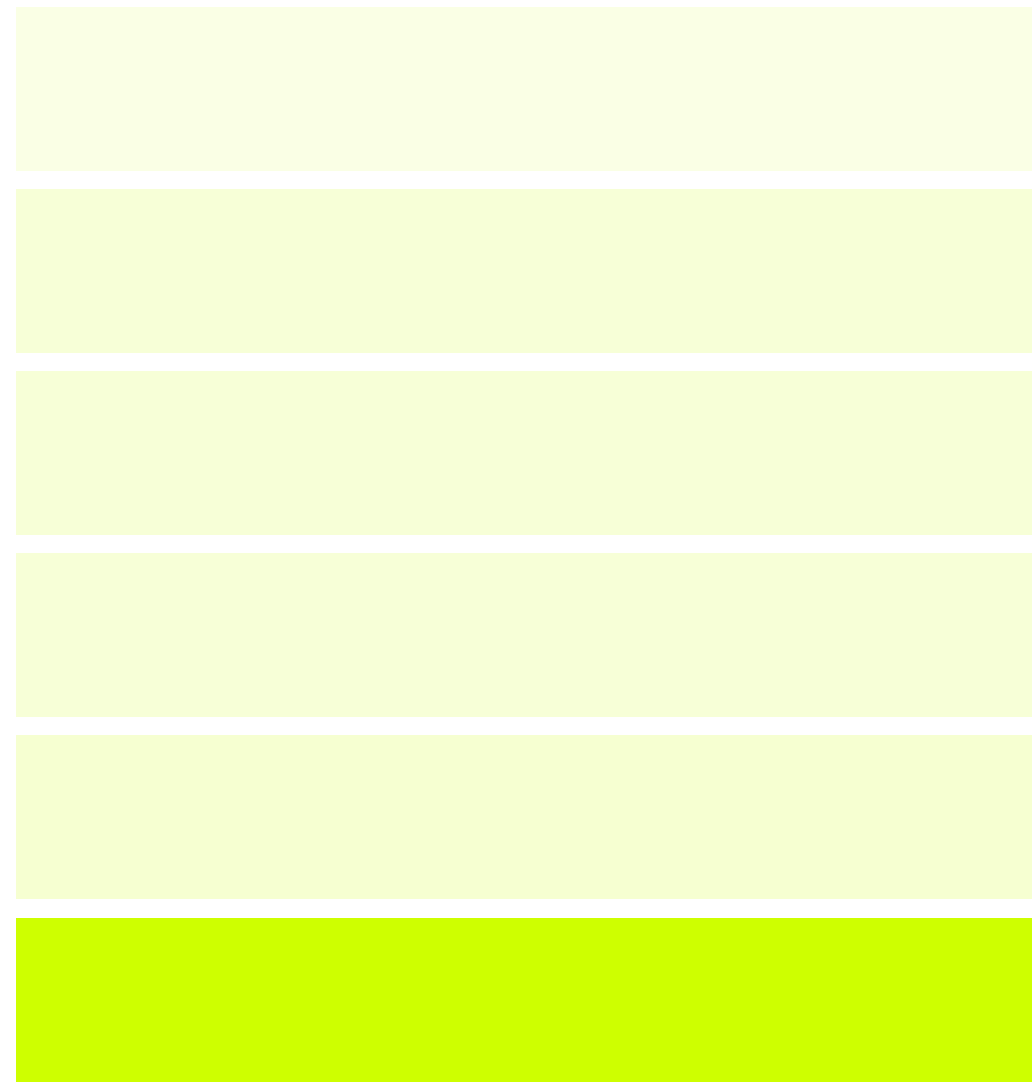
0

2

4

6

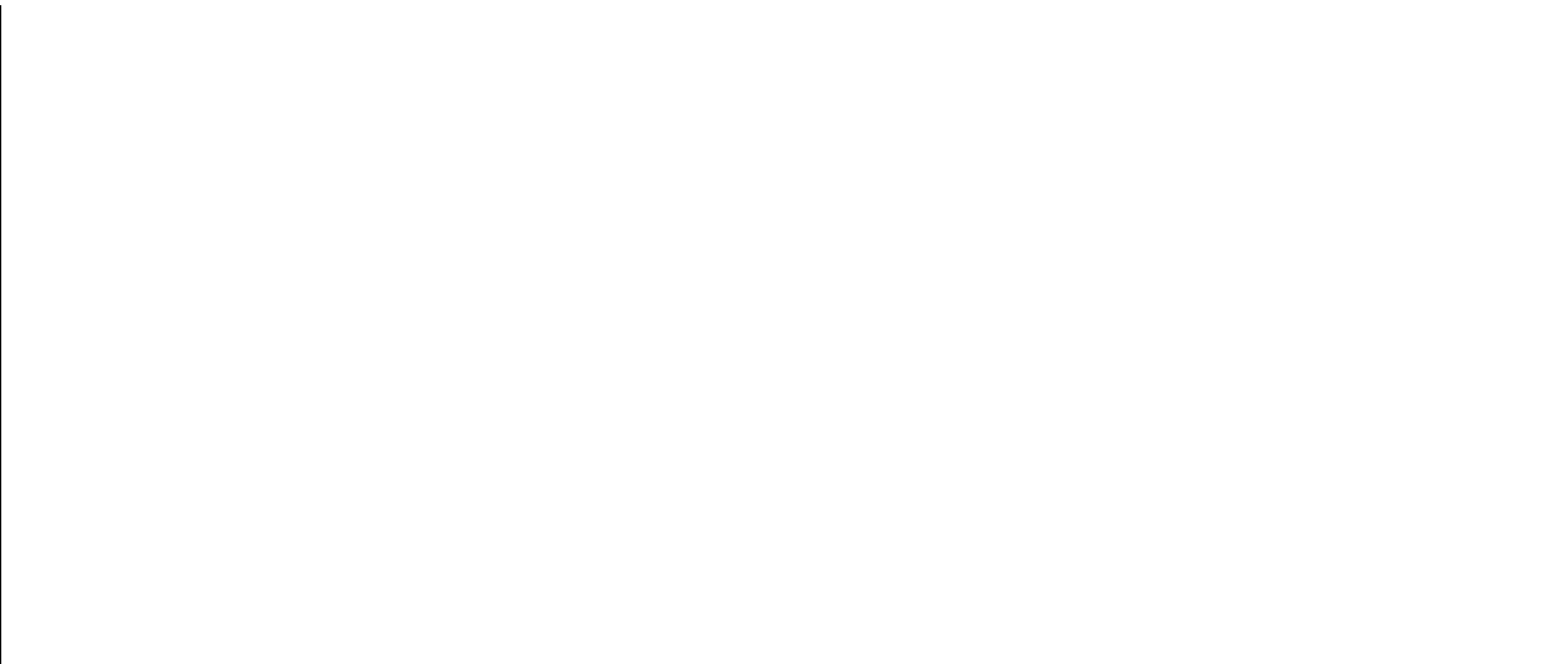
log2Enrichment



Re-clustered module 1.61 MF enrichment

Term

log2Enrichment



# Re-clustered module 1.7.1 BP enrichment

Term

regulation of ubiquitin–protein transferase activity

ribonucleoprotein complex assembly

0

1

2

3

4

log2Enrichment



# Re-clustered module 1.7.1 MF enrichment

Term

mRNA 3'-UTR binding

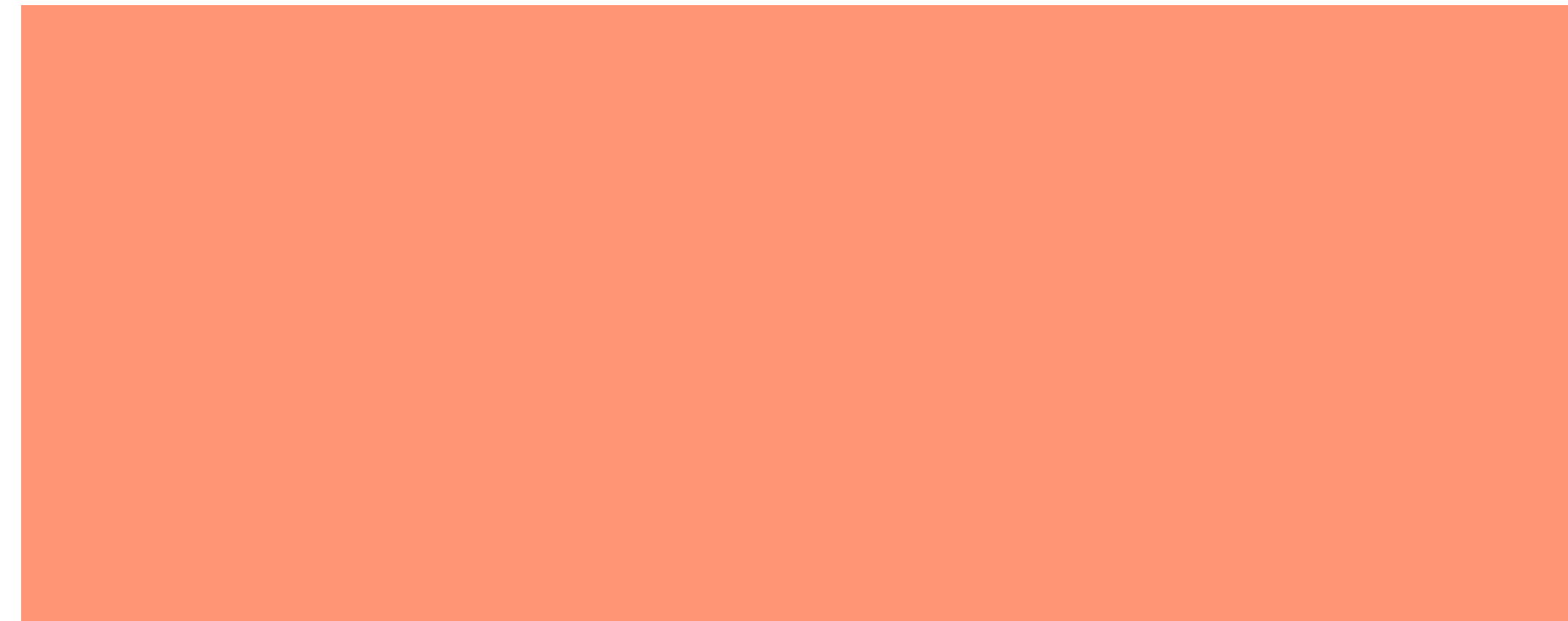
0

1

2

3

log2Enrichment





## Re-clustered module 1.7.10 BP enrichment

Term

positive regulation of transcription initiation from RNA polymerase II promoter

response to X-ray

cellular response to gamma radiation

rRNA transcription

hyperosmotic response

response to salt stress

RNA polymerase II preinitiation complex assembly

activation of innate immune response

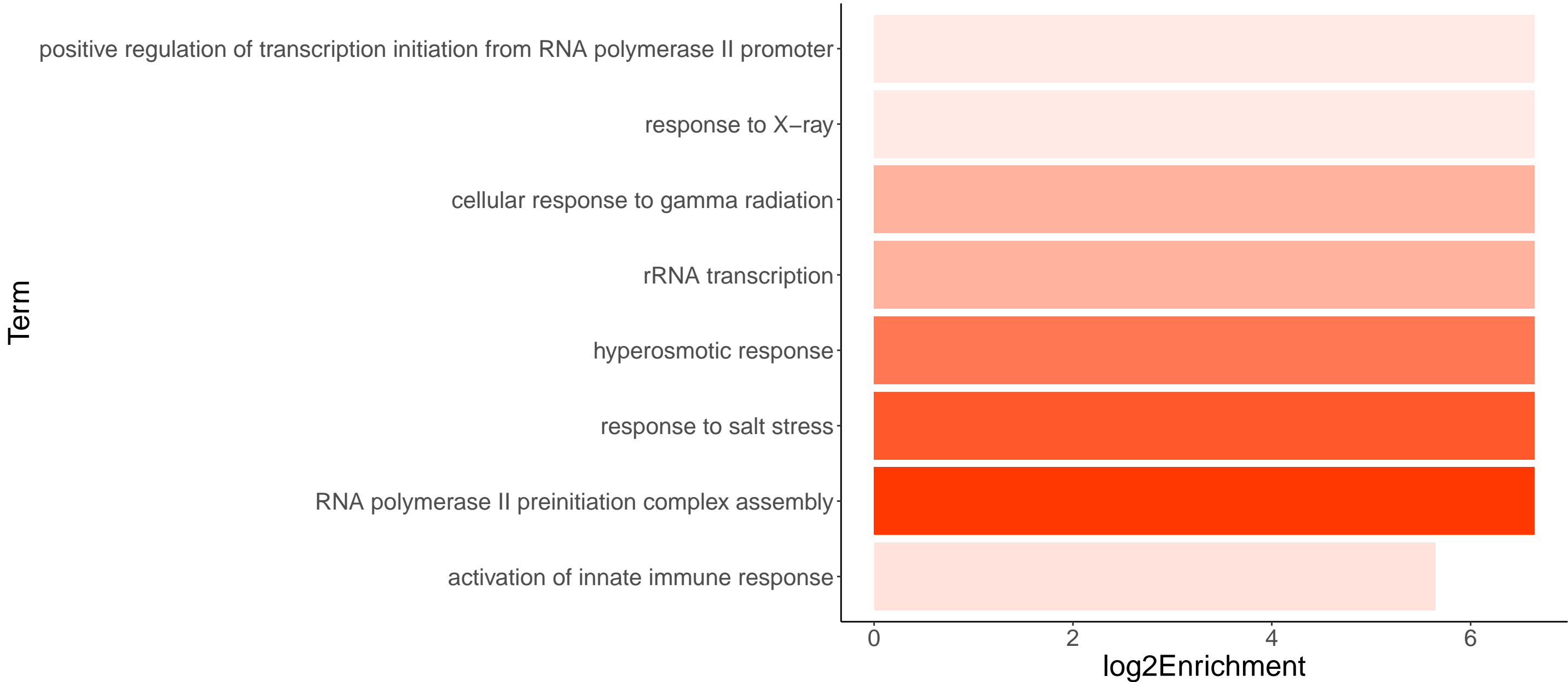
0

2

4

6

log2Enrichment



# Re-clustered module 1.7.10 MF enrichment

Term

cyclin binding

protein folding chaperone

ATP binding

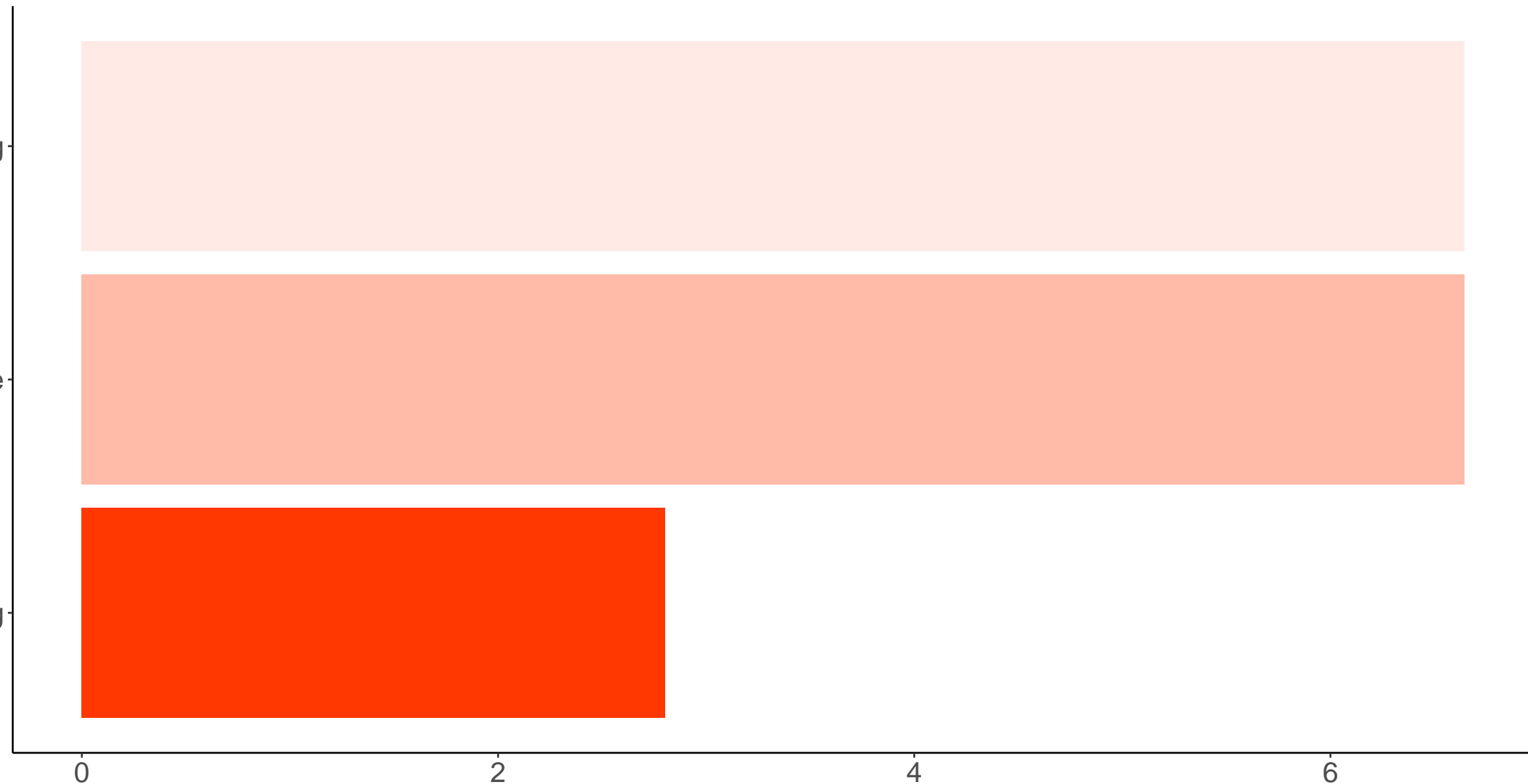
0

2

4

6

log2Enrichment



# Re-clustered module 1.7.2 BP enrichment

Term

Arp2/3 complex-mediated actin nucleation

embryonic forelimb morphogenesis

embryonic hindlimb morphogenesis

0

2

4

6

log2Enrichment



Re-clustered module 1.7.2 MF enrichment

Term

log2Enrichment



# Re-clustered module 1.7.3 BP enrichment

Term

mitochondrial electron transport, NADH to ubiquinone

0

2

4

6

log2Enrichment



# Re-clustered module 1.7.3 MF enrichment

Term

2 iron, 2 sulfur cluster binding

0

2

4

6

log2Enrichment



## Re-clustered module 1.7.4 BP enrichment

Term

histone monoubiquitination

protein K11-linked ubiquitination

anaphase-promoting complex-dependent catabolic process

metaphase/anaphase transition of mitotic cell cycle

DNA repair

0

2

4

log2Enrichment



# Re-clustered module 1.7.4 MF enrichment

Term

nucleosome binding

microtubule motor activity

0

1

2

3

4

log2Enrichment





# Re-clustered module 1.7.5 BP enrichment

Term

tRNA methylation

0

2

4

log2Enrichment



# Re-clustered module 1.7.5 MF enrichment

Term

tRNA methyltransferase activity

S-adenosylmethionine-dependent methyltransferase activity

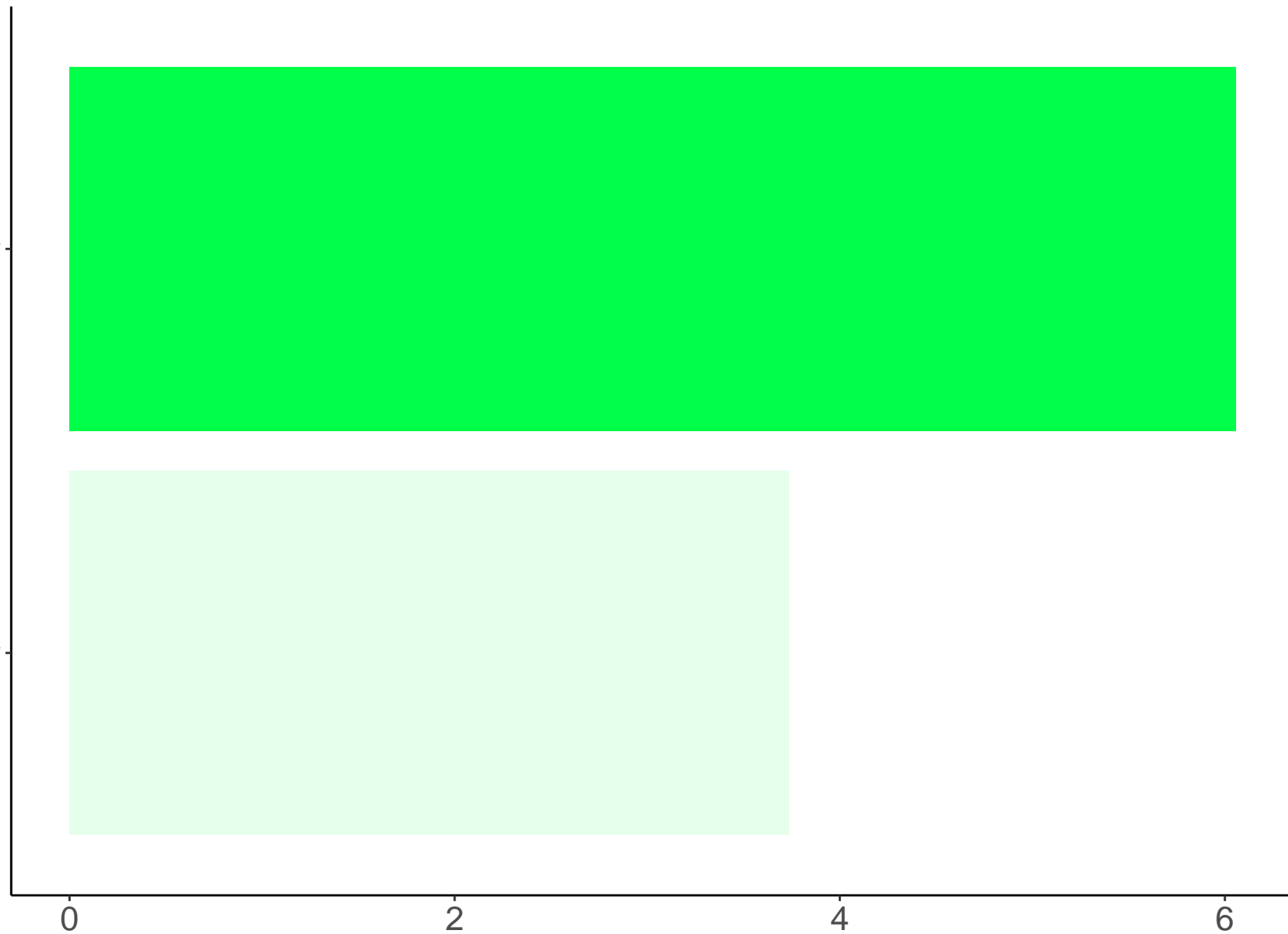
0

2

4

6

log2Enrichment



# Re-clustered module 1.9 BP enrichment

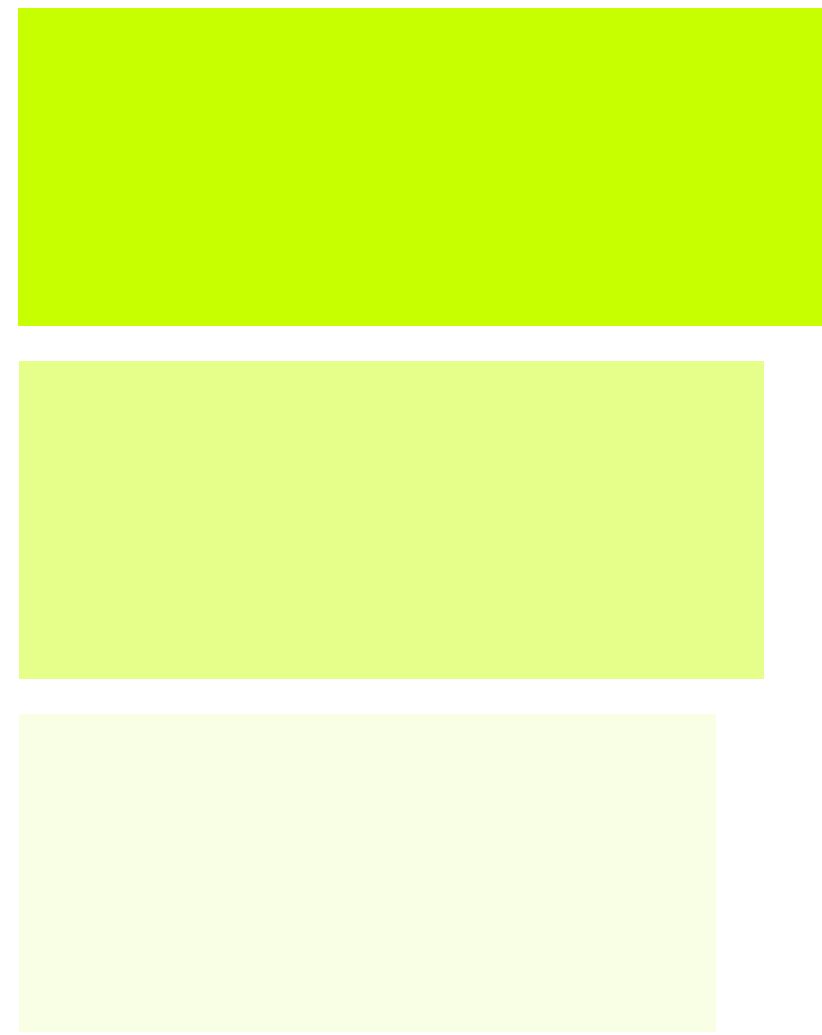
Term

phagocytosis, engulfment

antigen processing and presentation of exogenous peptide antigen via MHC class I, TAP-dependent

interferon-gamma-mediated signaling pathway

0 1 2 3 4 5  
log2Enrichment



# Re-clustered module 1.9 MF enrichment

Term

immunoglobulin binding

Rac GTPase binding

anion transmembrane transporter activity

0

2

4

6

log2Enrichment

