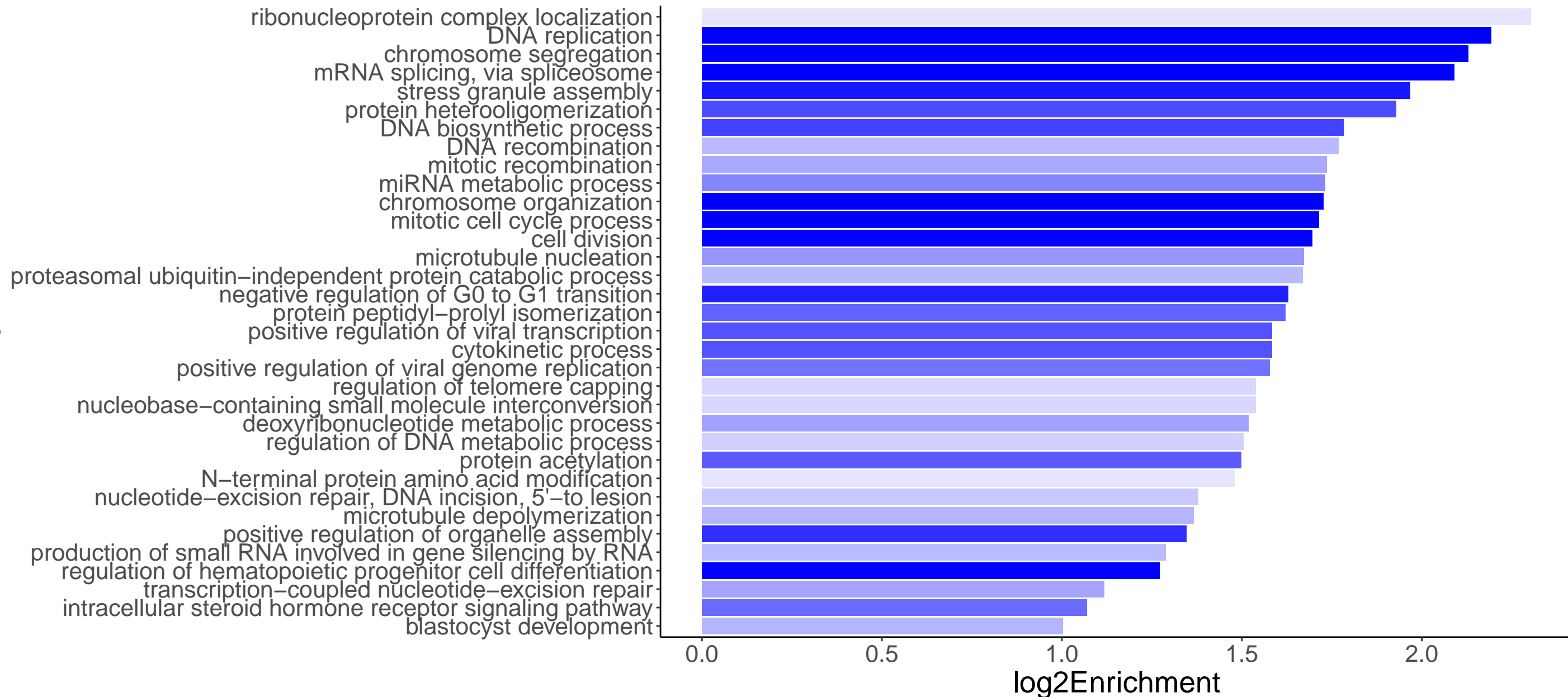


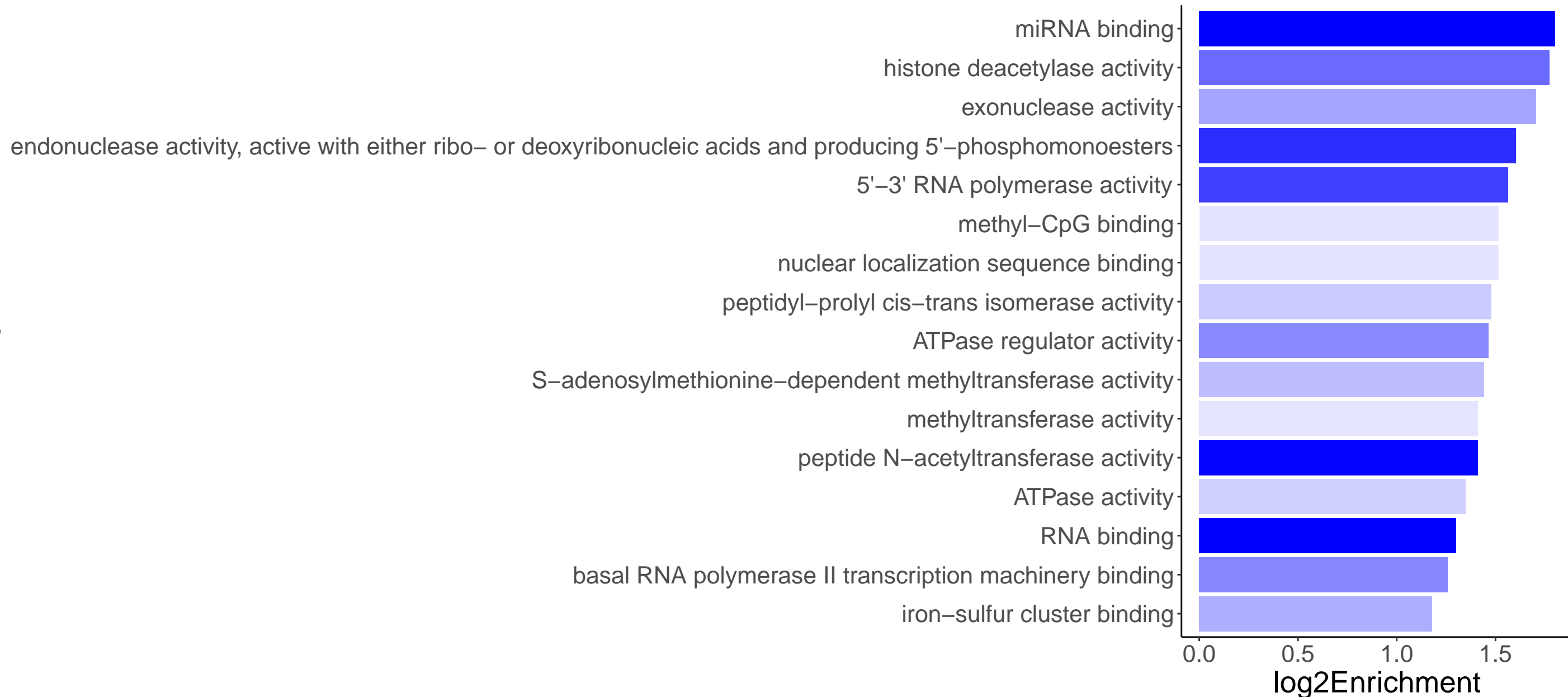
Original module 8 BP enrichment

Term



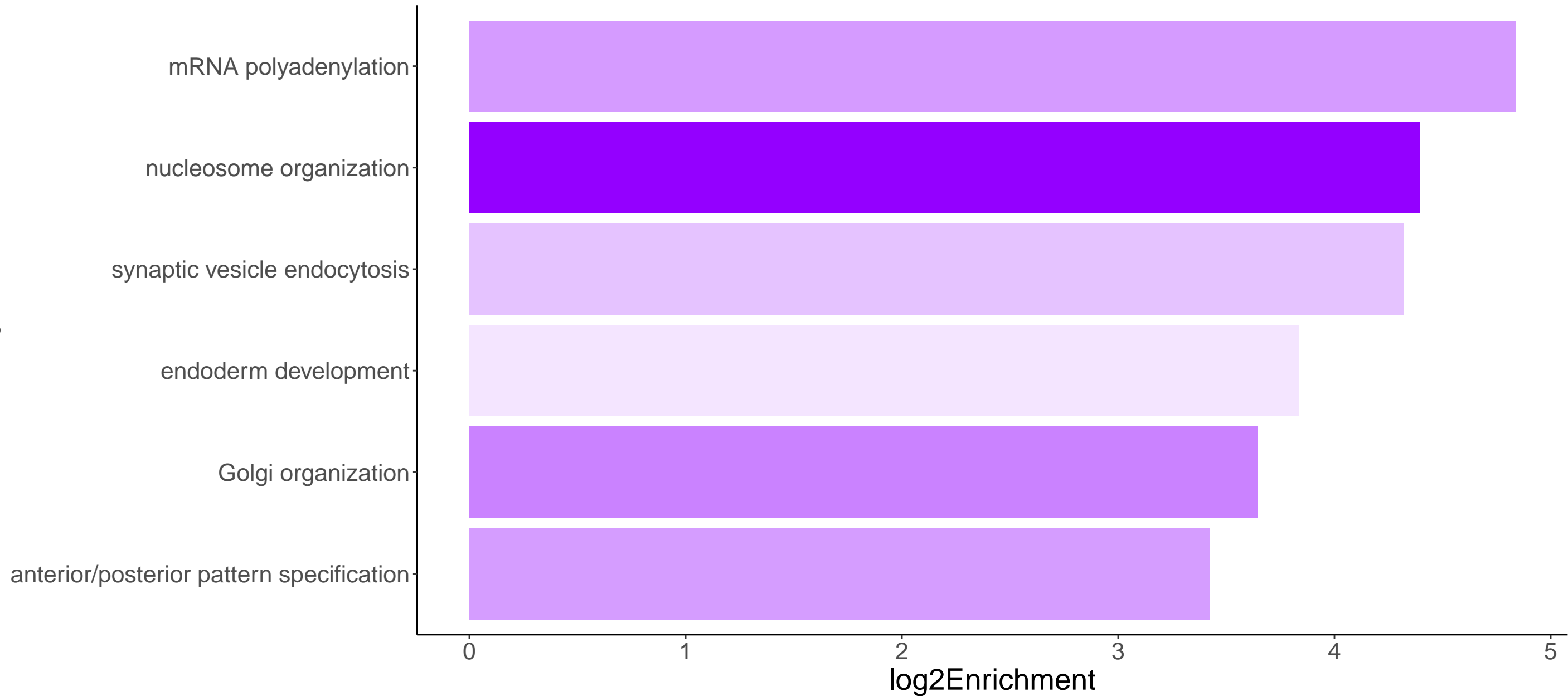
Original module 8 MF enr

Term



Re-clustered module 8.1 BP enrichment

Term



Re-clustered module 8.1 MF enrichment

Term

thyroid hormone receptor binding

nucleosome binding

transcription coregulator activity

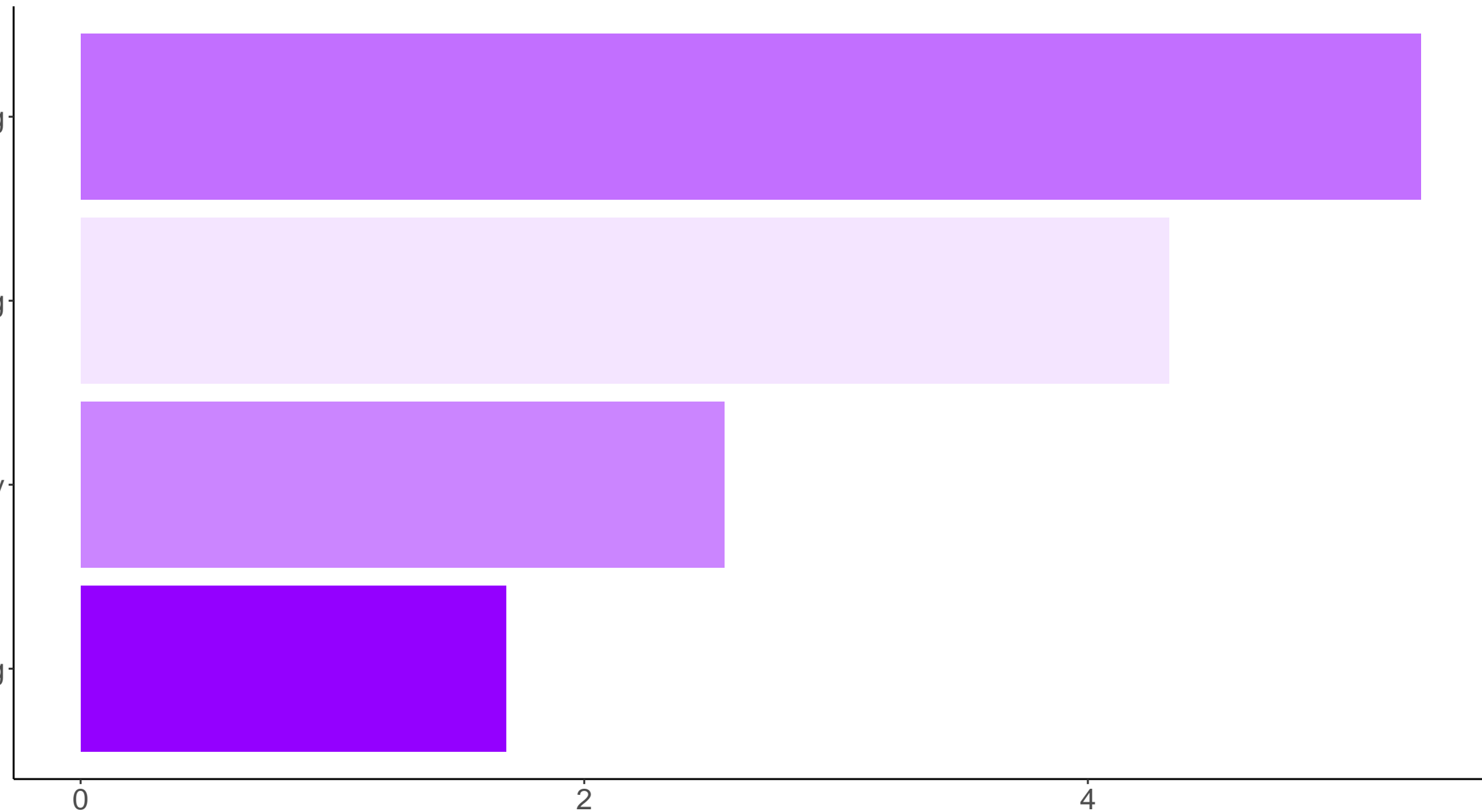
DNA binding

0

2

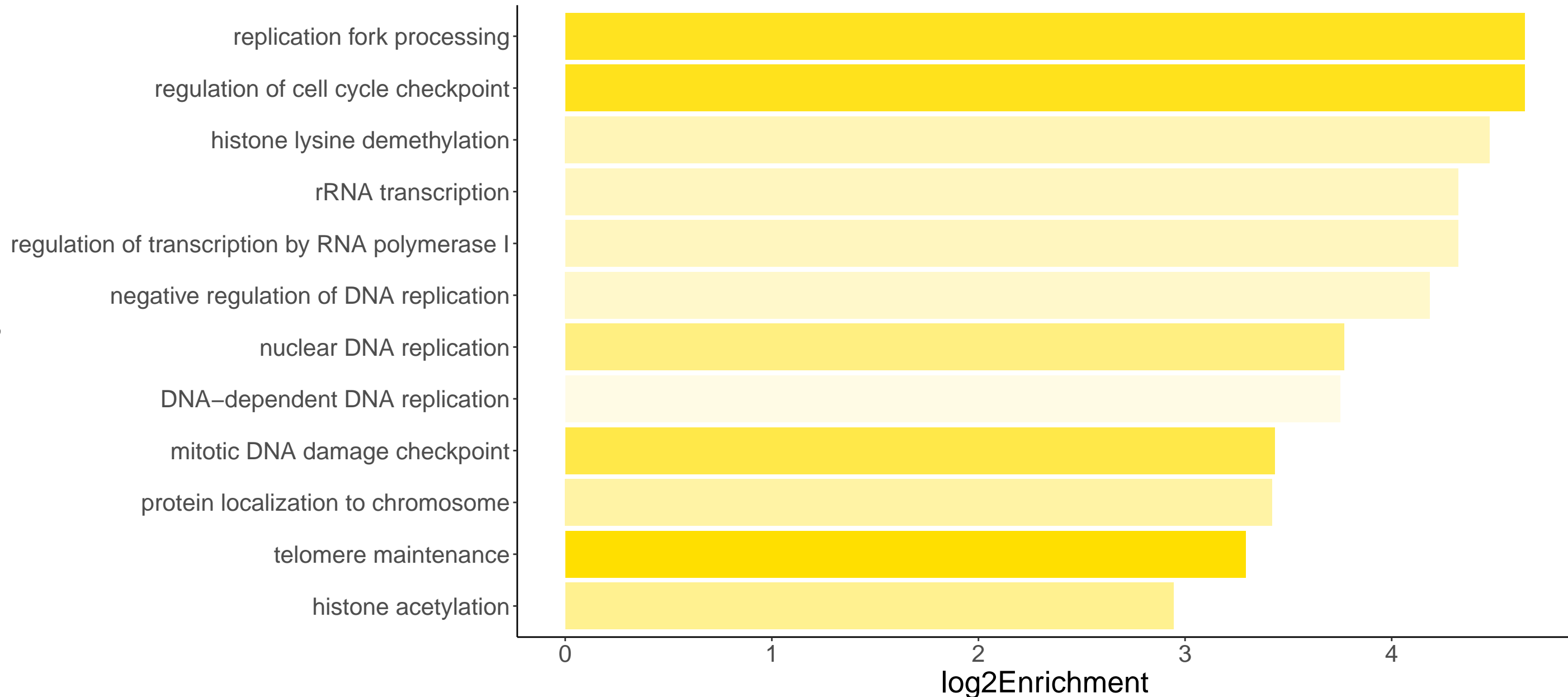
4

log2Enrichment



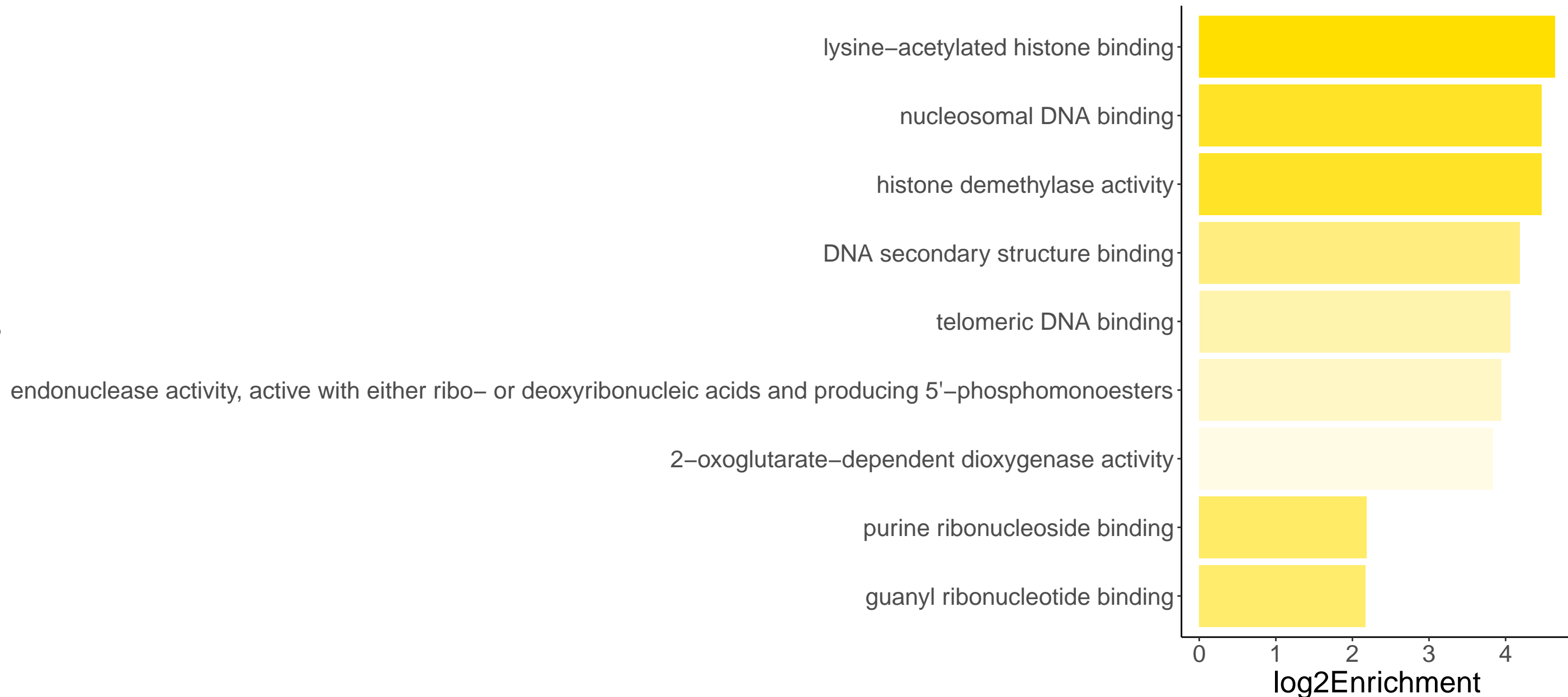
Re-clustered module 8.10 BP enrichment

Term



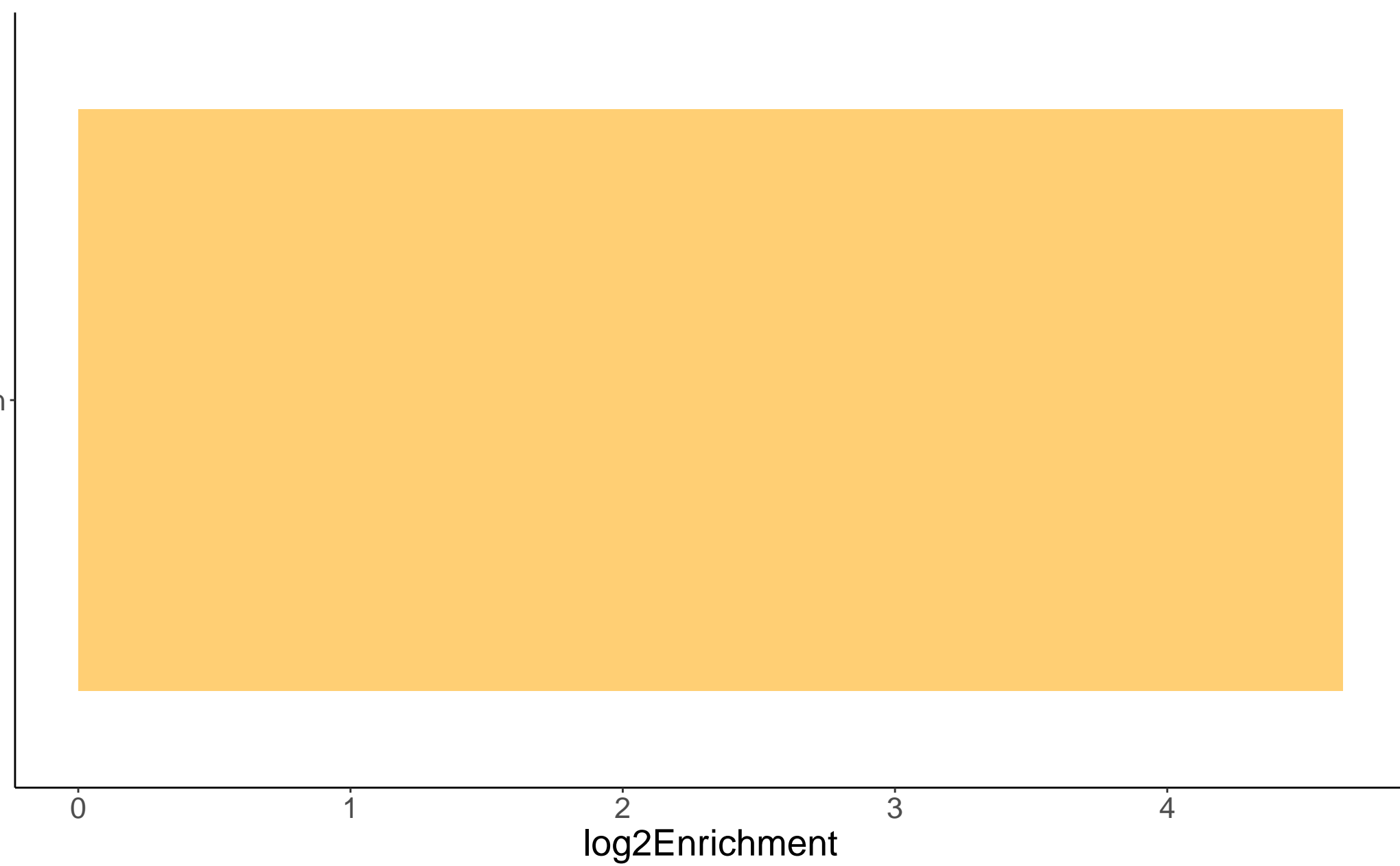
Re-clustered module 8.1

Term



Re-clustered module 8.11 BP enrichment

Term regulation of microtubule polymerization



Re-clustered module 8.11 MF enrichment

Term

log2Enrichment



Re-clustered module 8.12 BP enrichment

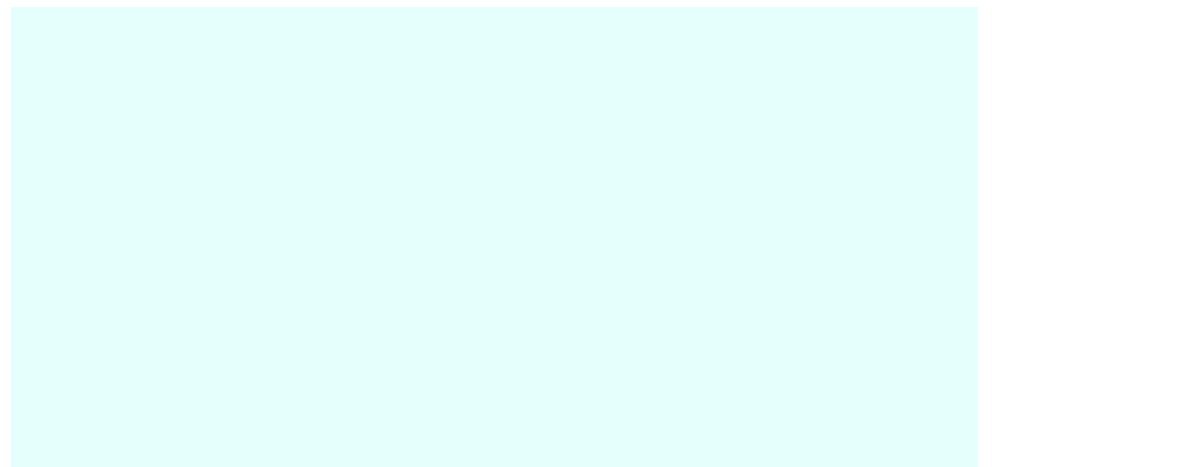
Term

spliceosomal snRNP assembly

nuclear-transcribed mRNA catabolic process, deadenylation-dependent decay

0 1 2 3 4

log2Enrichment



Re-clustered module 8.12 MF enrichment

Term

cyclin binding

NF-kappaB binding

ribonucleoprotein complex binding

structural constituent of ribosome

0

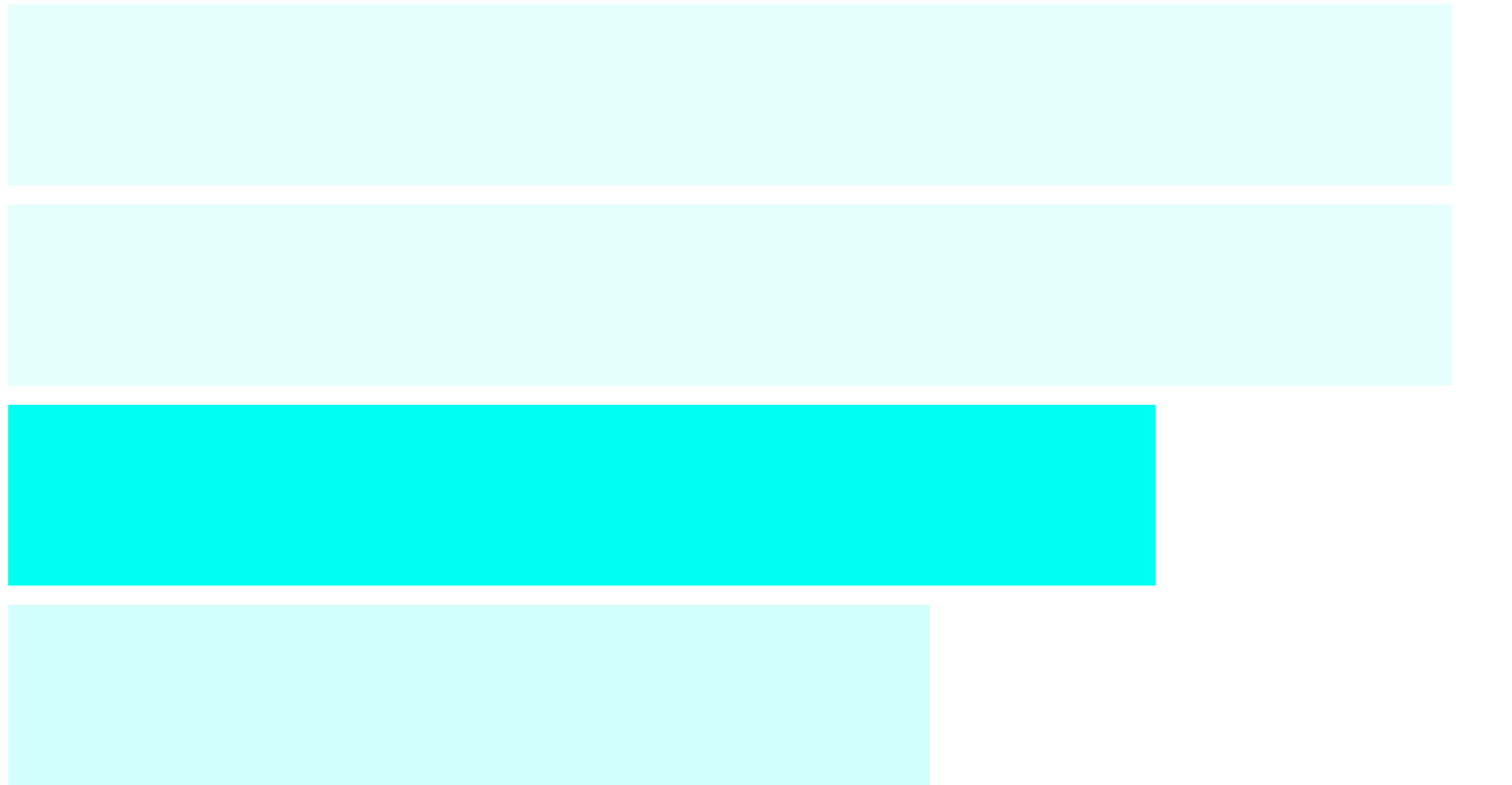
1

2

3

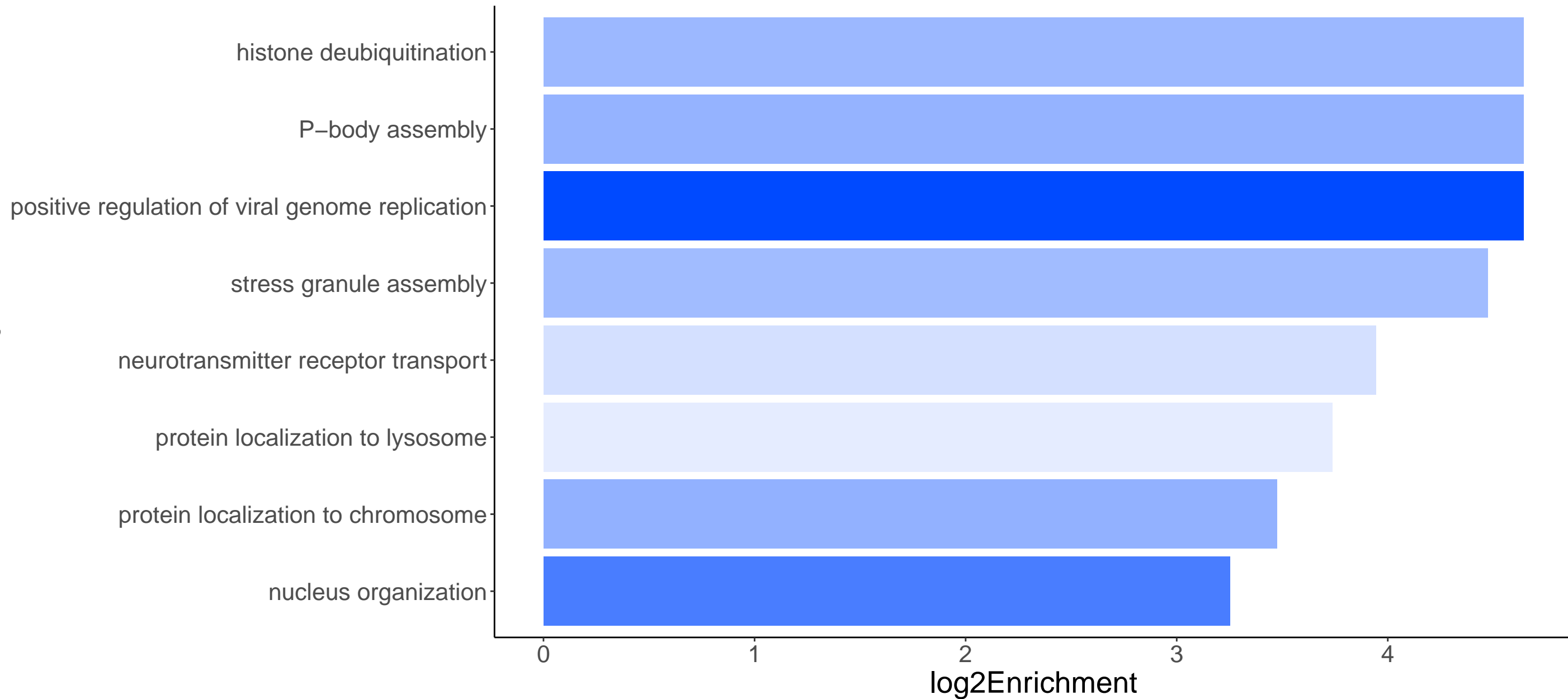
4

log2Enrichment



Re-clustered module 8.13 BP enrichment

Term



Re-clustered module 8.13 MF enrichment

Term

mRNA 5'-UTR binding

3'-5'-exoribonuclease activity

RNA polymerase II activating transcription factor binding

RNA helicase activity

0

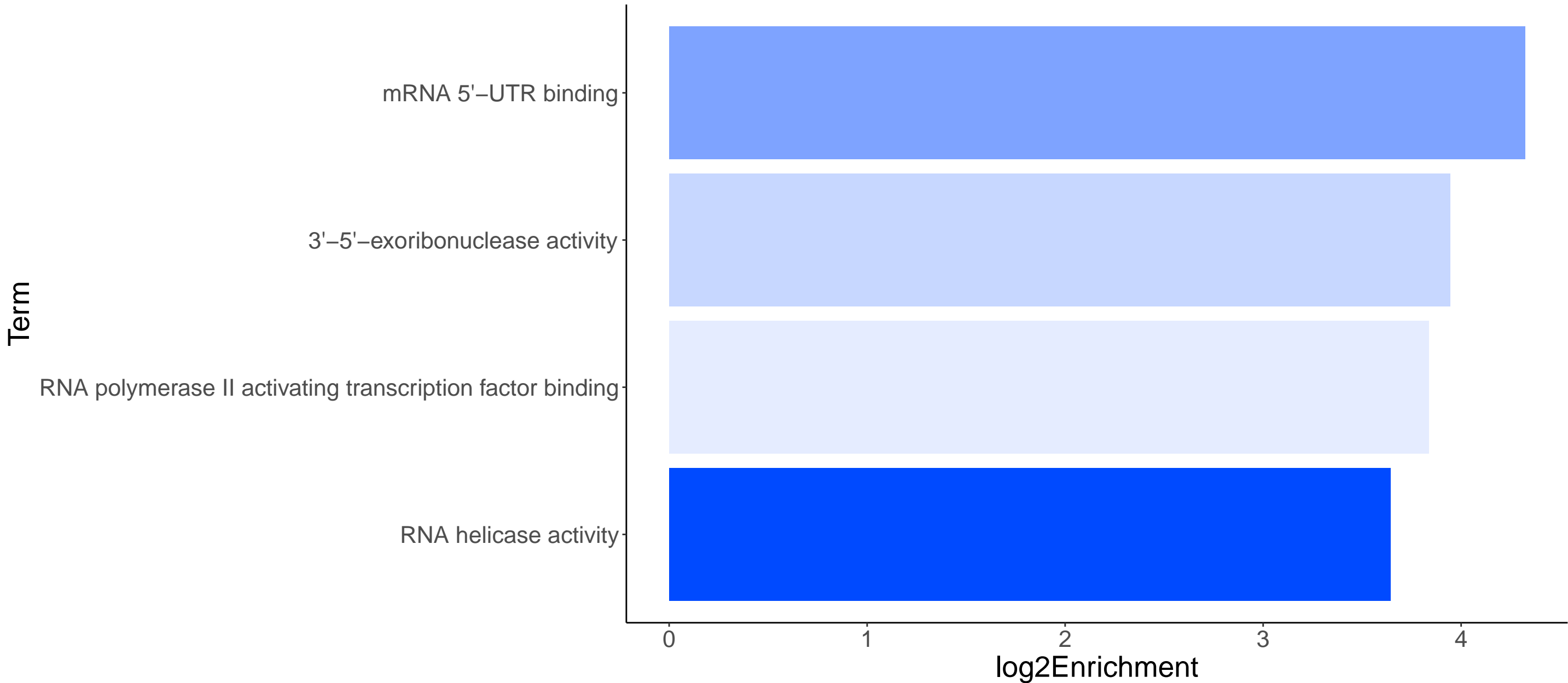
1

2

3

4

log2Enrichment



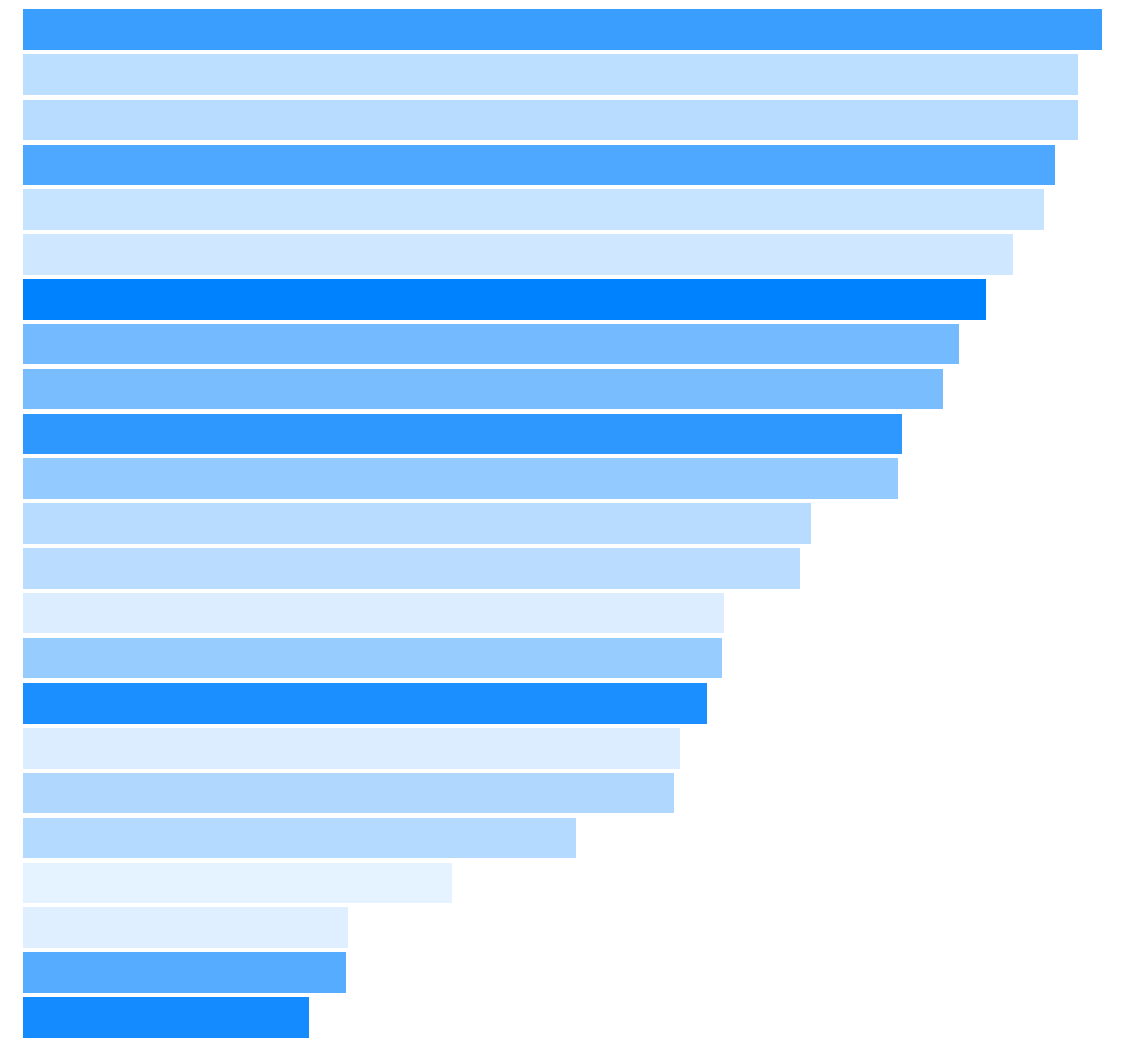
Re-clustered module 8.14 BP enrichment

Term

positive regulation of double-strand break repair
nucleotide-excision repair, DNA gap filling
error-free translesion synthesis
DNA damage response, detection of DNA damage
respiratory chain complex IV assembly
spleen development
regulation of histone methylation
transcription by RNA polymerase III
regulation of megakaryocyte differentiation
ATP-dependent chromatin remodeling
DNA methylation
nuclear-transcribed mRNA catabolic process, deadenylation-dependent decay
regulation of hematopoietic stem cell differentiation
mRNA 3'-end processing
double-strand break repair via homologous recombination
protein-DNA complex subunit organization
telomere maintenance
histone acetylation
protein deubiquitination
cell division
protein modification by small protein conjugation
positive regulation of nucleic acid-templated transcription
transcription by RNA polymerase II

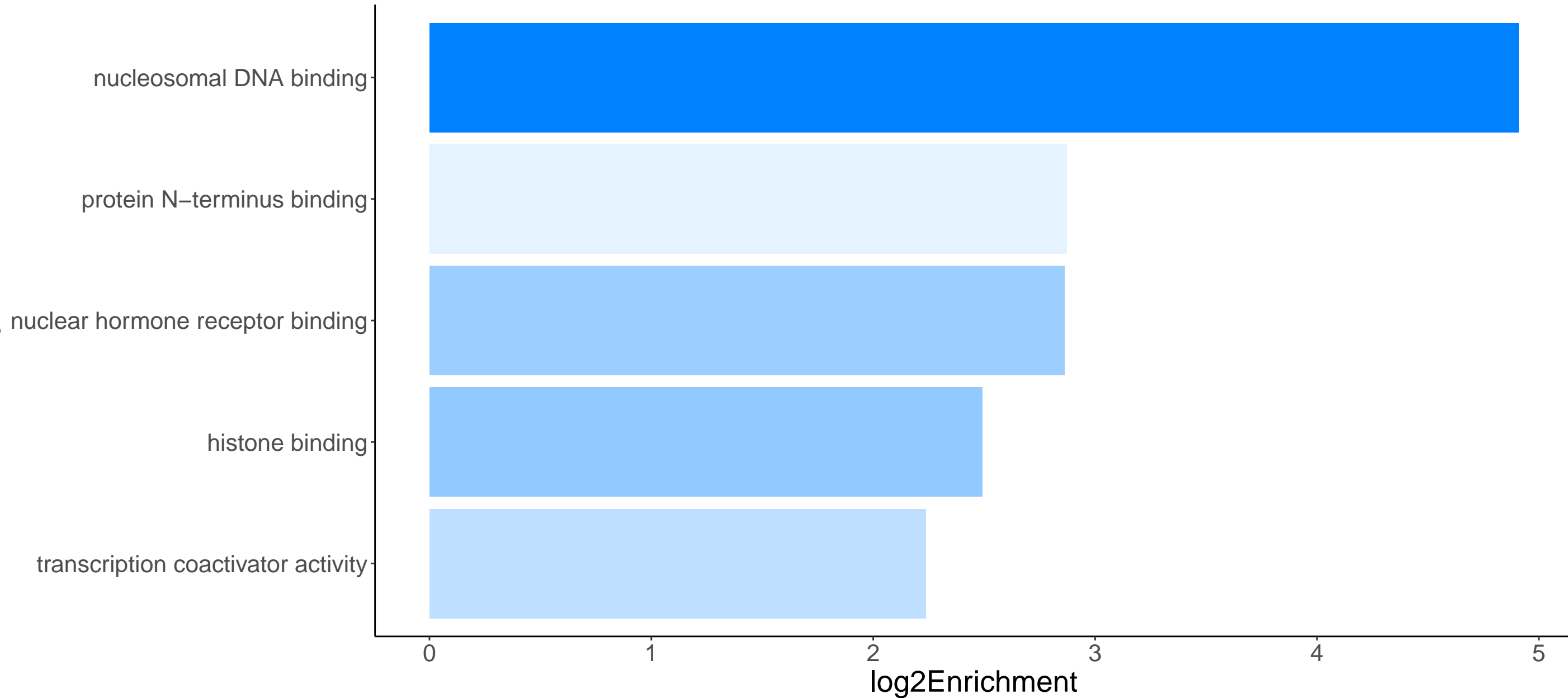
0 1 2 3 4

log2Enrichment



Re-clustered module 8.14 MF enrichment

Term



Re-clustered module 8.15 BP enrichment

Term

RIG-I signaling pathway

P-body assembly

stress granule assembly

Rac protein signal transduction

negative regulation of gene expression, epigenetic

termination of RNA polymerase II transcription

histone H4 acetylation

positive regulation of organelle assembly

protein acetylation

0

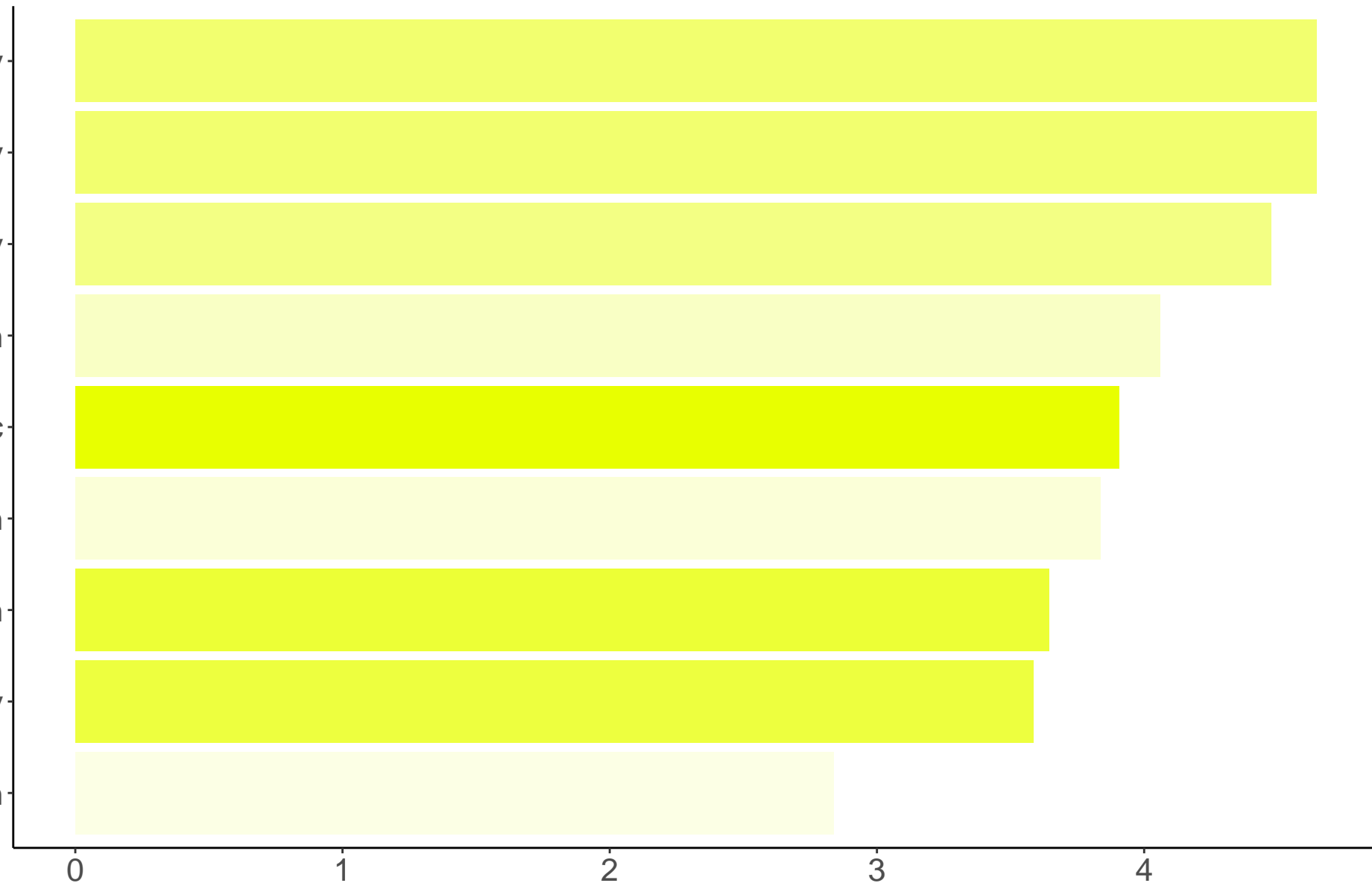
1

2

3

4

log2Enrichment



Re-clustered module 8.15 MF enrichment

Term

mRNA binding

nucleic acid binding

0.0

0.5

1.0

1.5

2.0

log2Enrichment



Re-clustered module 8.16 BP enrichment

Term

positive regulation of organelle assembly

protein sumoylation

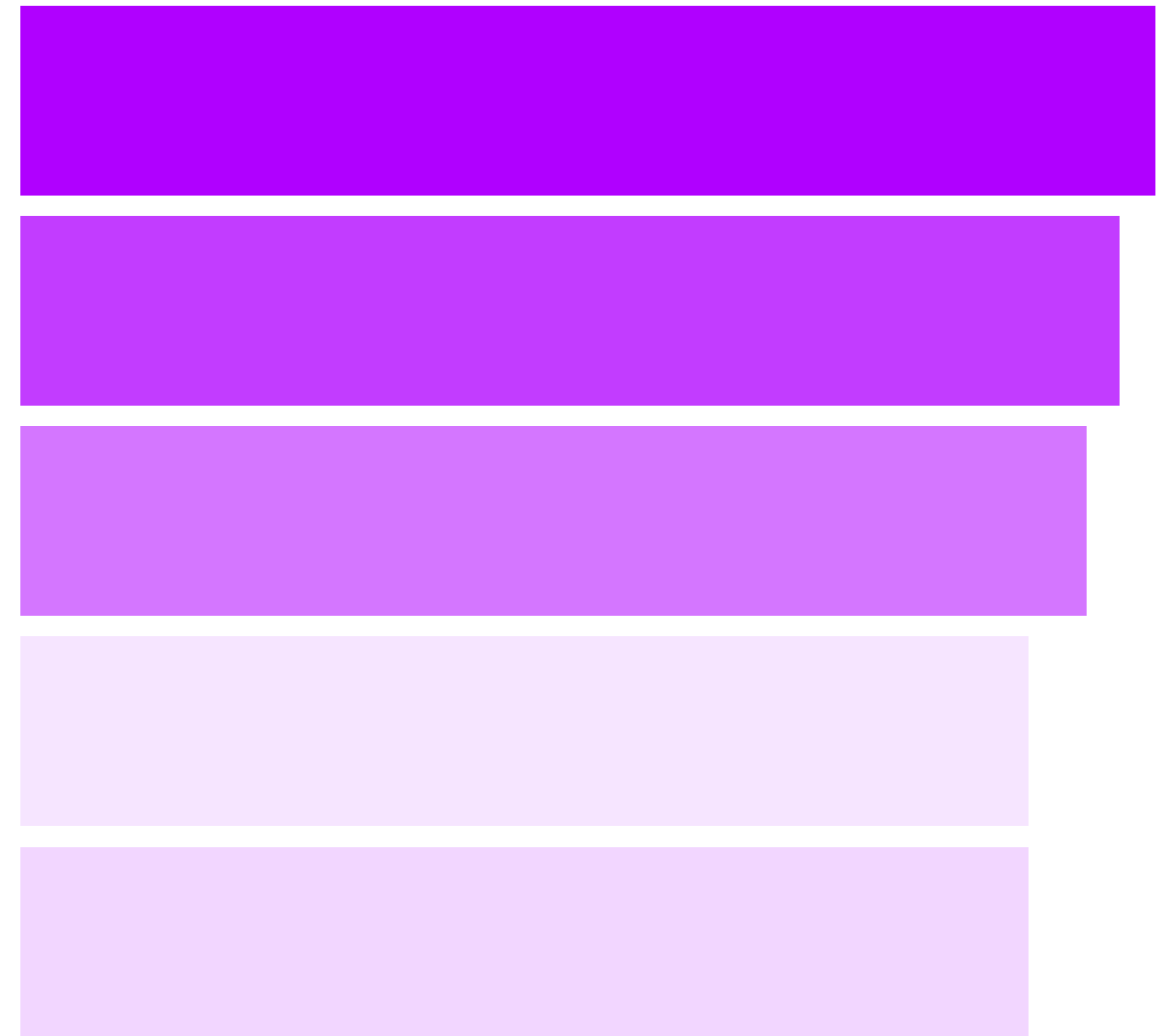
activation of cysteine-type endopeptidase activity involved in apoptotic process

mitochondrial translational termination

mitochondrial translational elongation

0 1 2 3 4

log2Enrichment



Re-clustered module 8.16 MF enrichment

Term

core promoter sequence-specific DNA binding

ubiquitin binding

cysteine-type peptidase activity

0

1

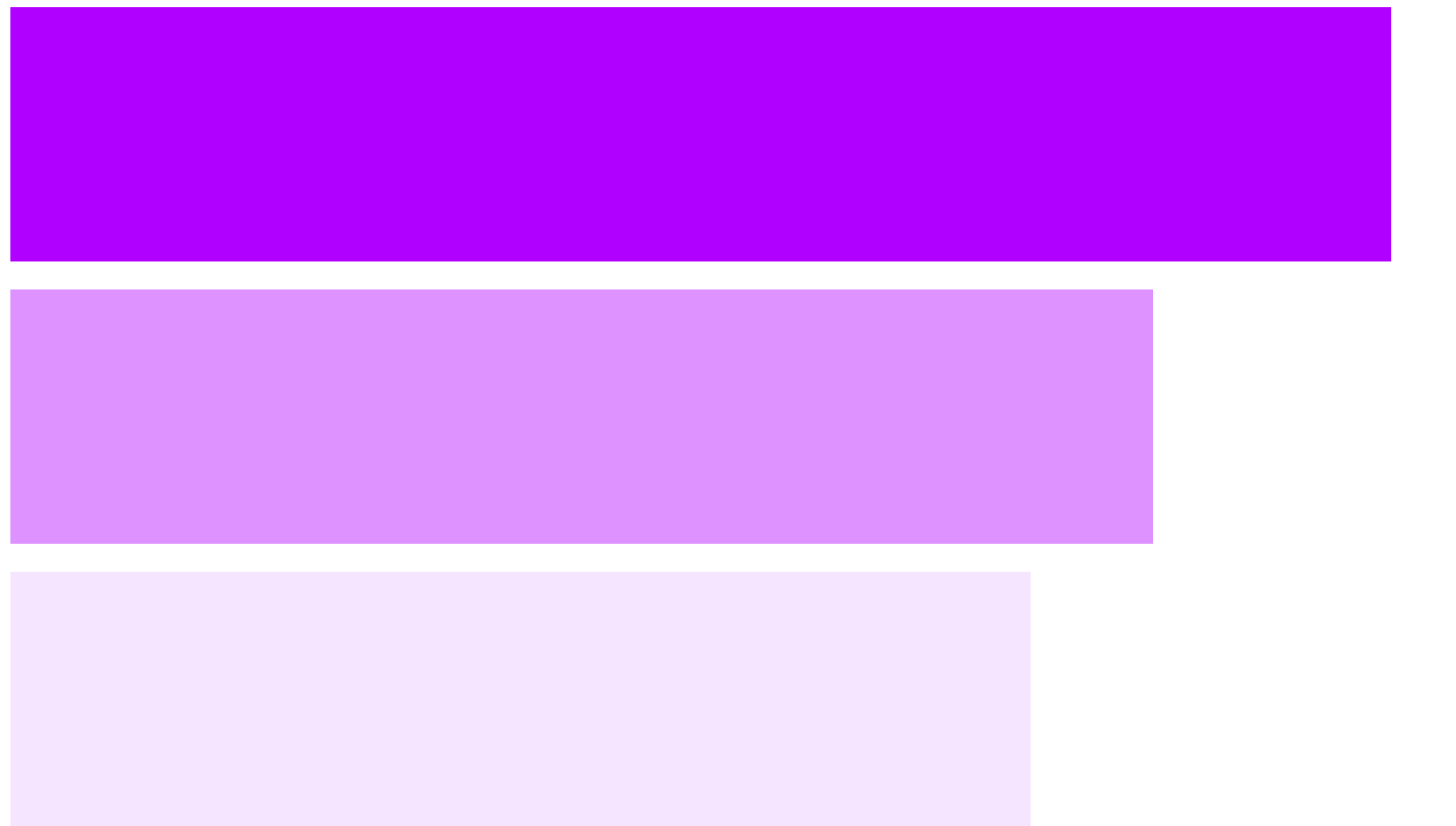
2

3

4

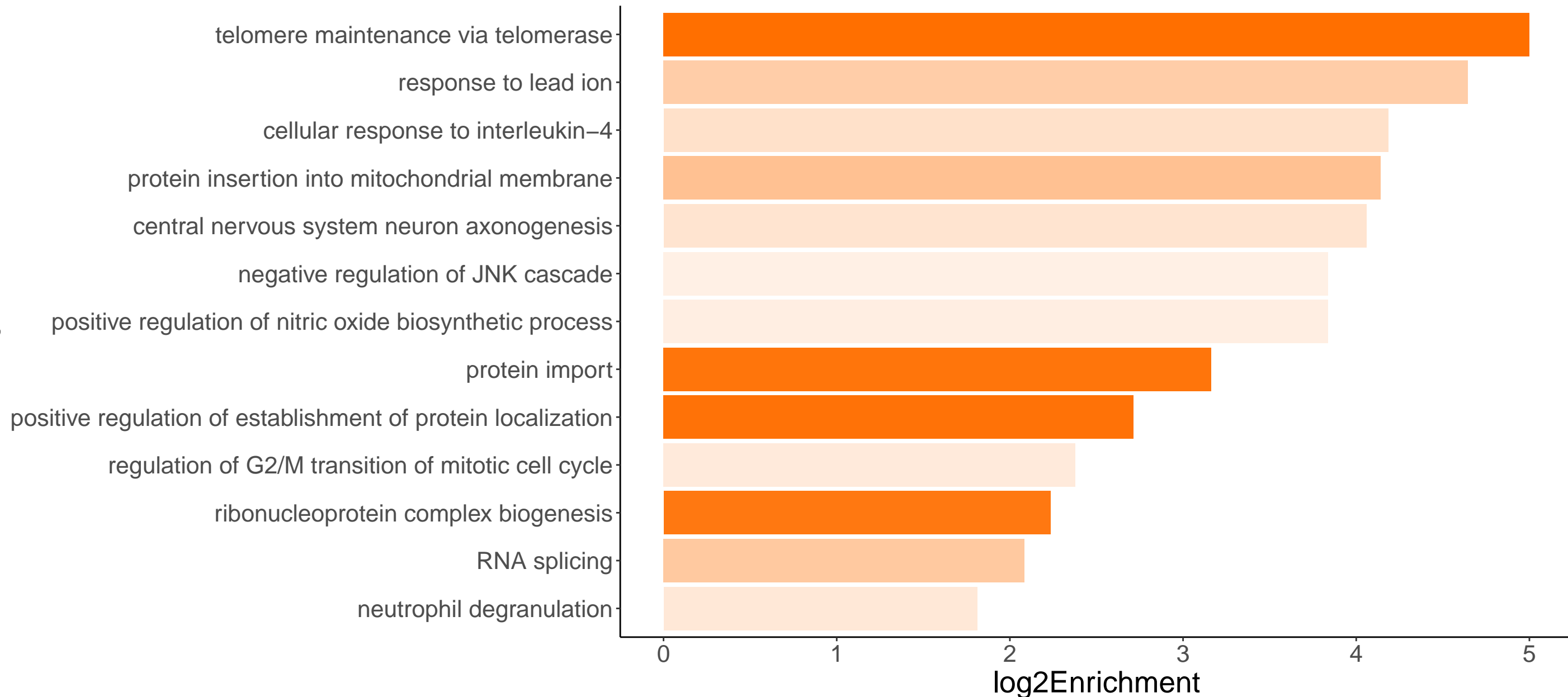
5

log2Enrichment



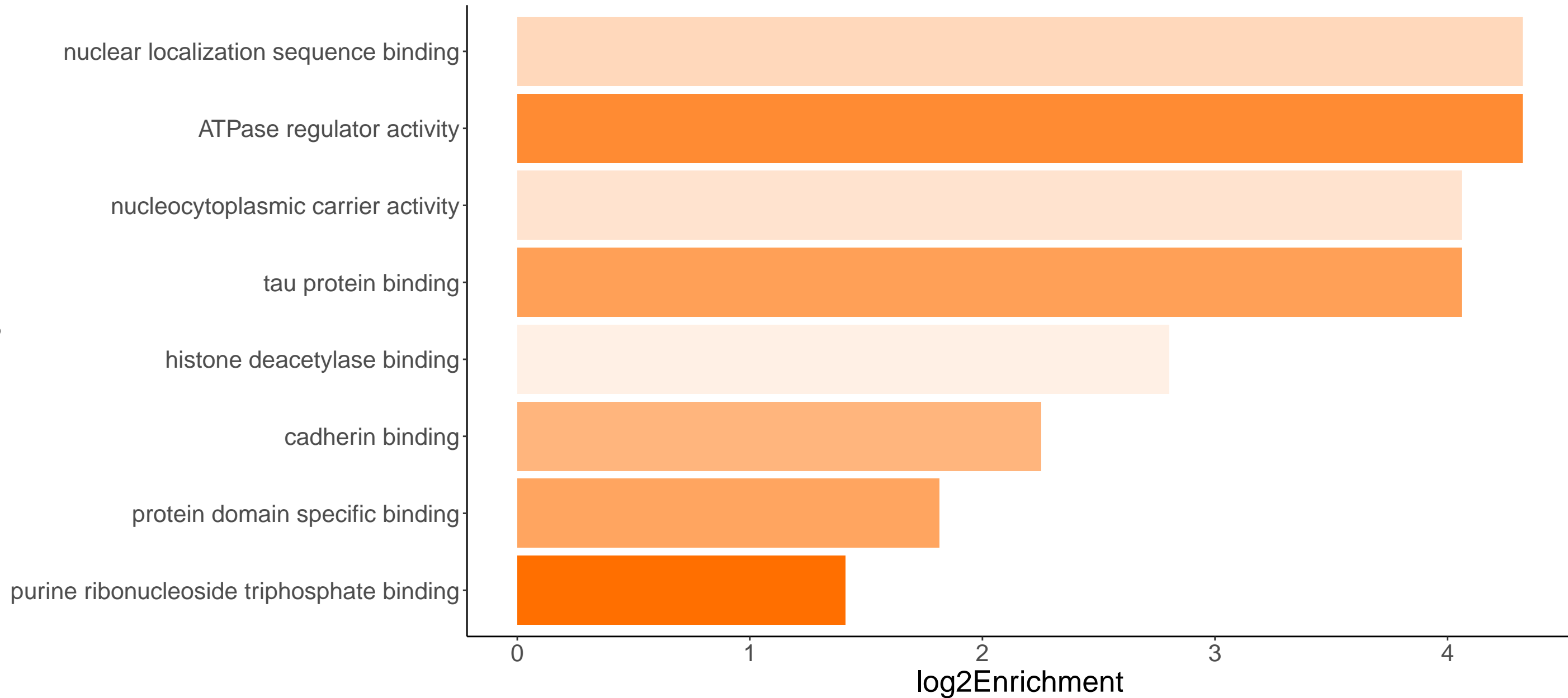
Re-clustered module 8.17 BP enrichment

Term



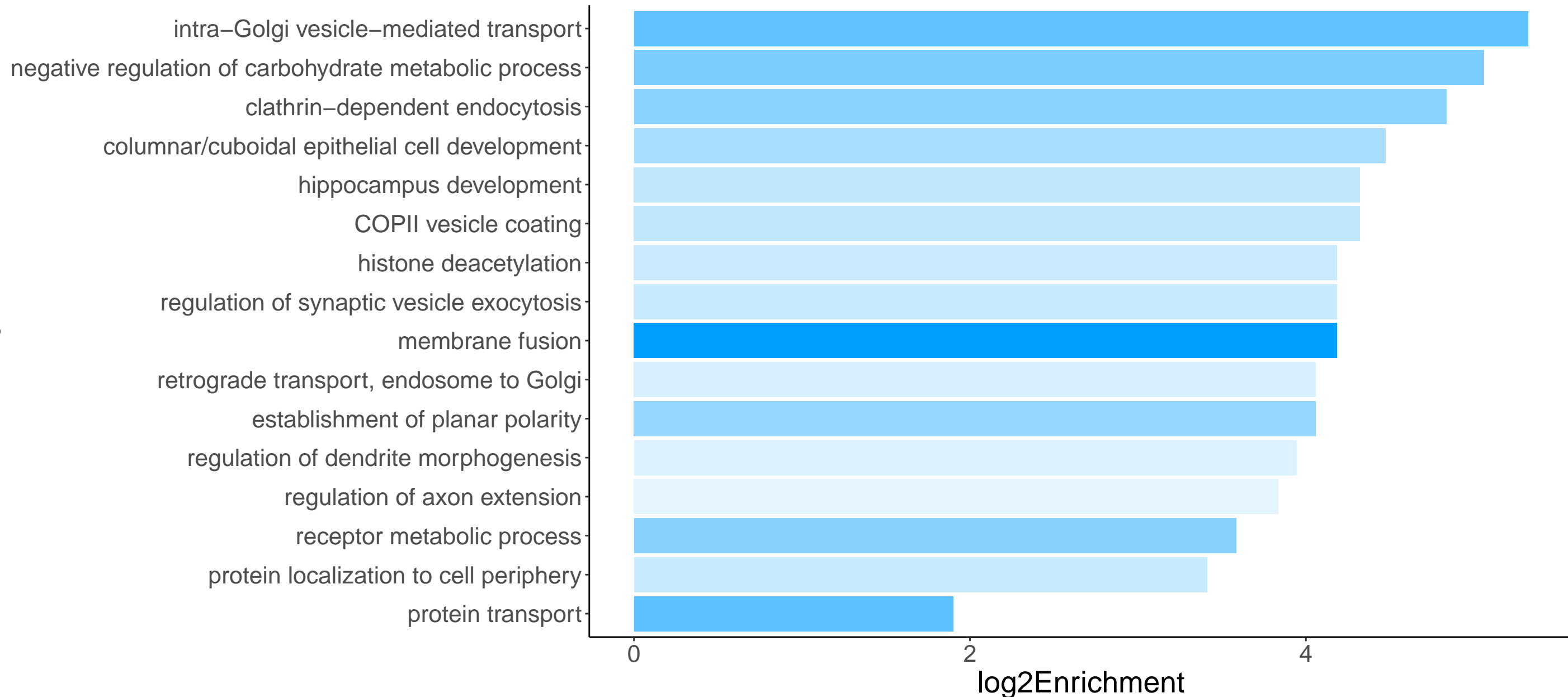
Re-clustered module 8.17 MF enrichment

Term



Re-clustered module 8.18 BP enrichment

Term



Re-clustered module 8.18 MF enrichment

Term

histone deacetylase activity

core promoter sequence-specific DNA binding

general transcription initiation factor activity

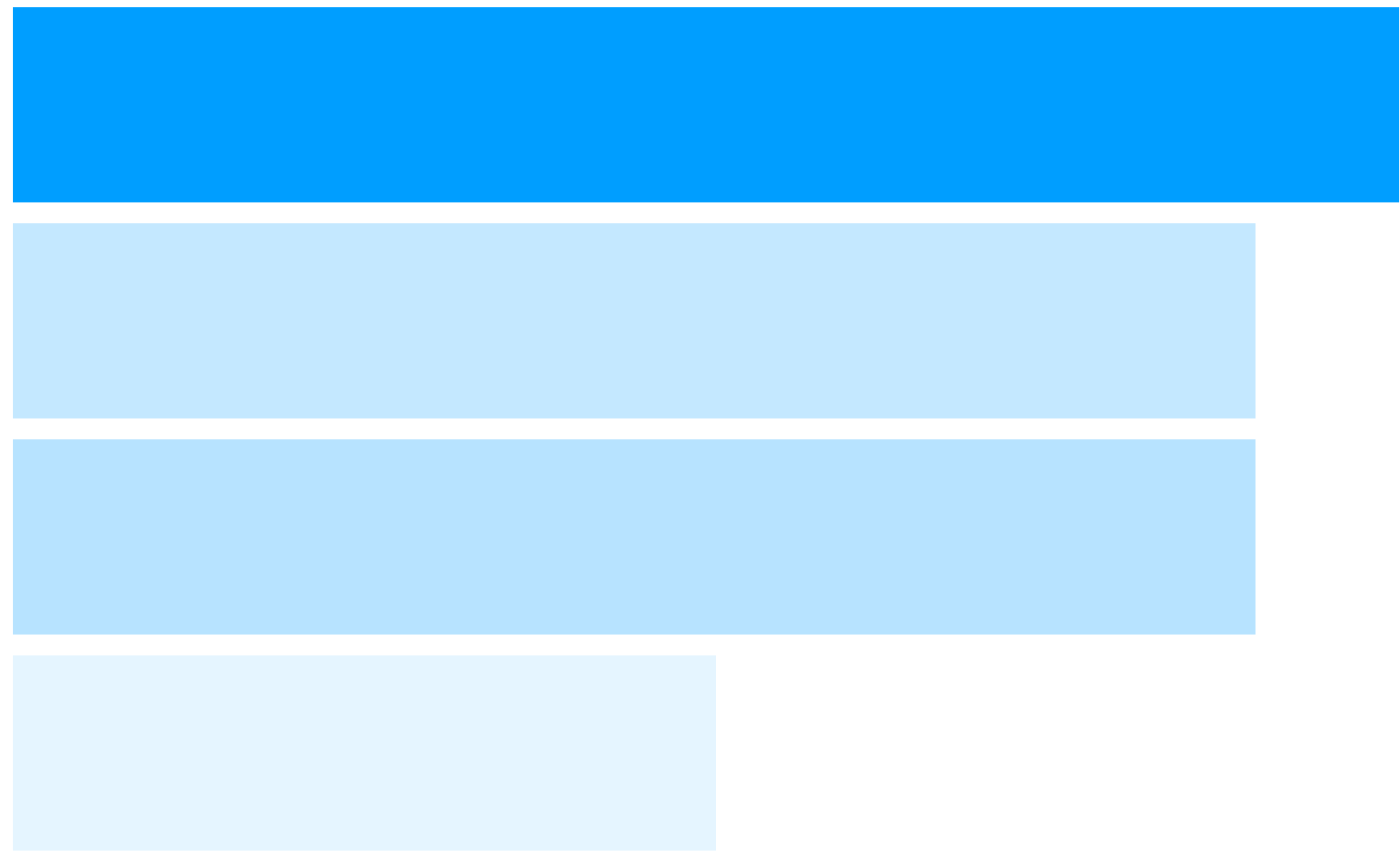
Ras GTPase binding

0

2

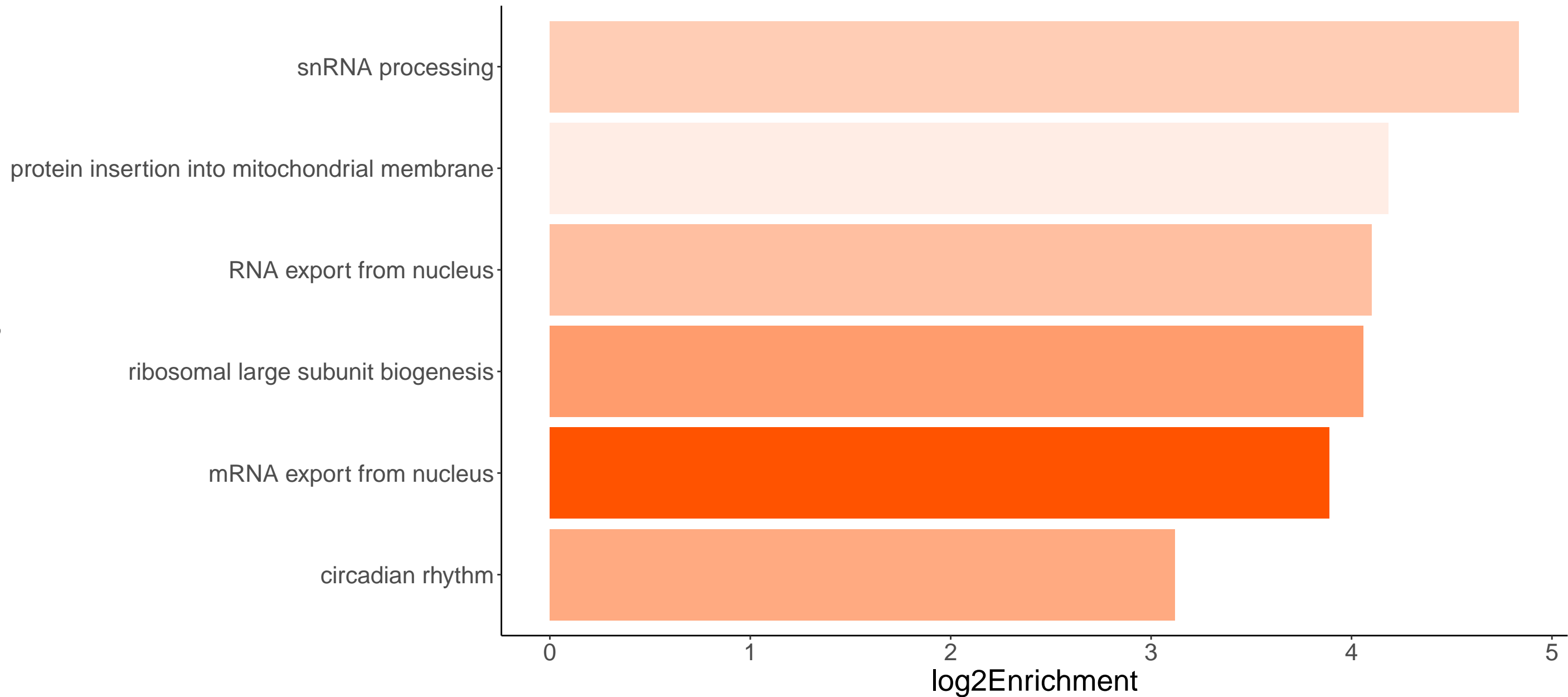
4

log2Enrichment



Re-clustered module 8.19 BP enrichment

Term



Re-clustered module 8.19 MF enrichment

Term

nuclear receptor transcription coactivator activity

0

1

2

3

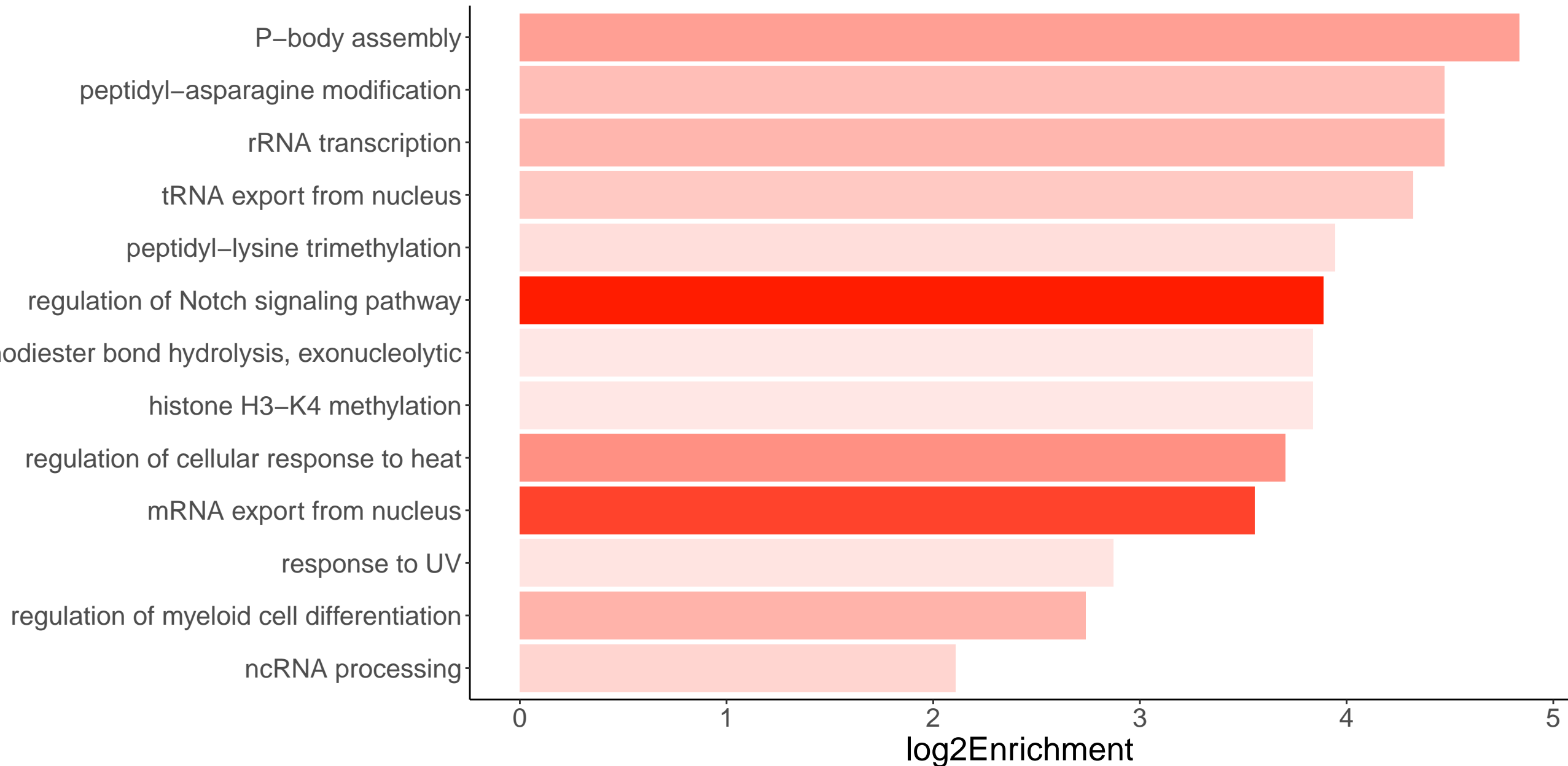
4

log2Enrichment



Re-clustered module 8.2 BP enrichment

Term



Re-clustered module 8.2 MF enrichment

Term

protein-lysine N-methyltransferase activity

damaged DNA binding

RNA polymerase II activating transcription factor binding

transcription coactivator activity

0

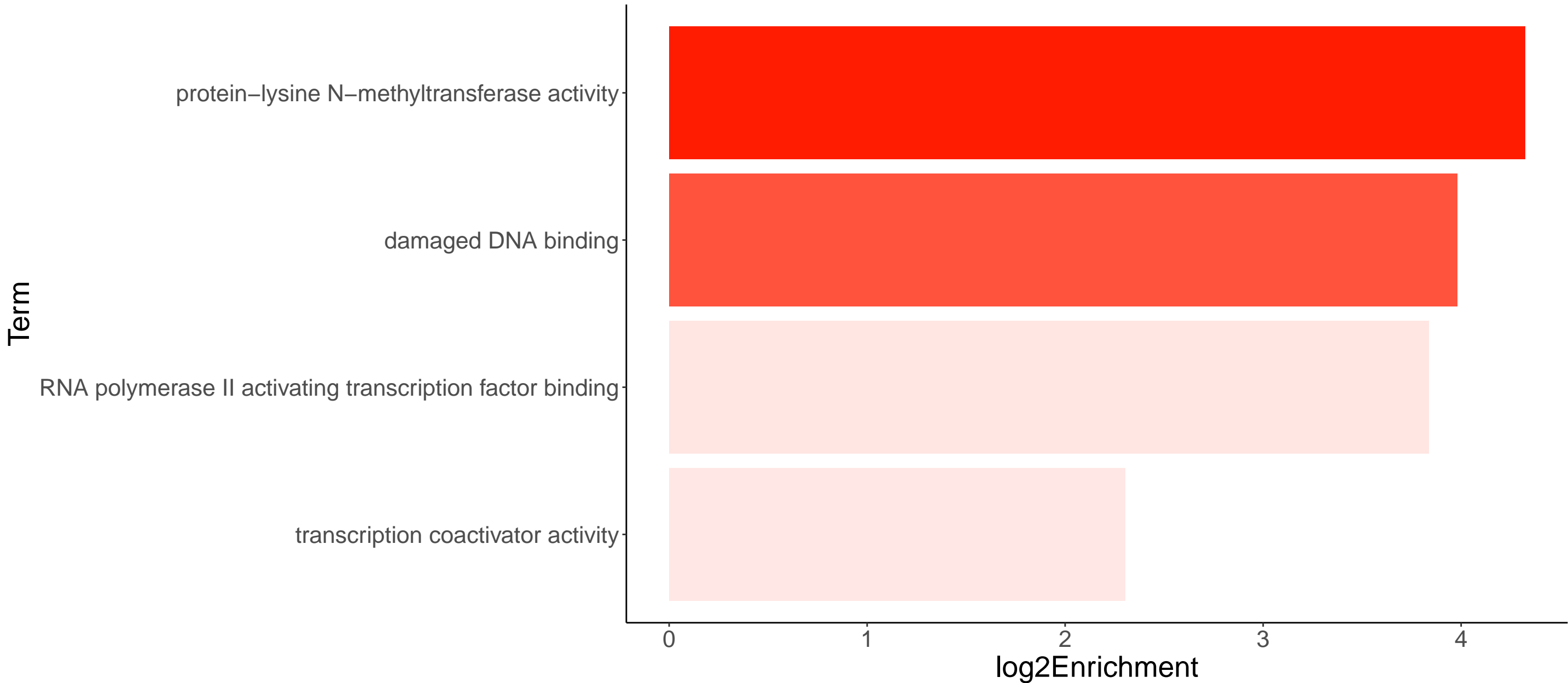
1

2

3

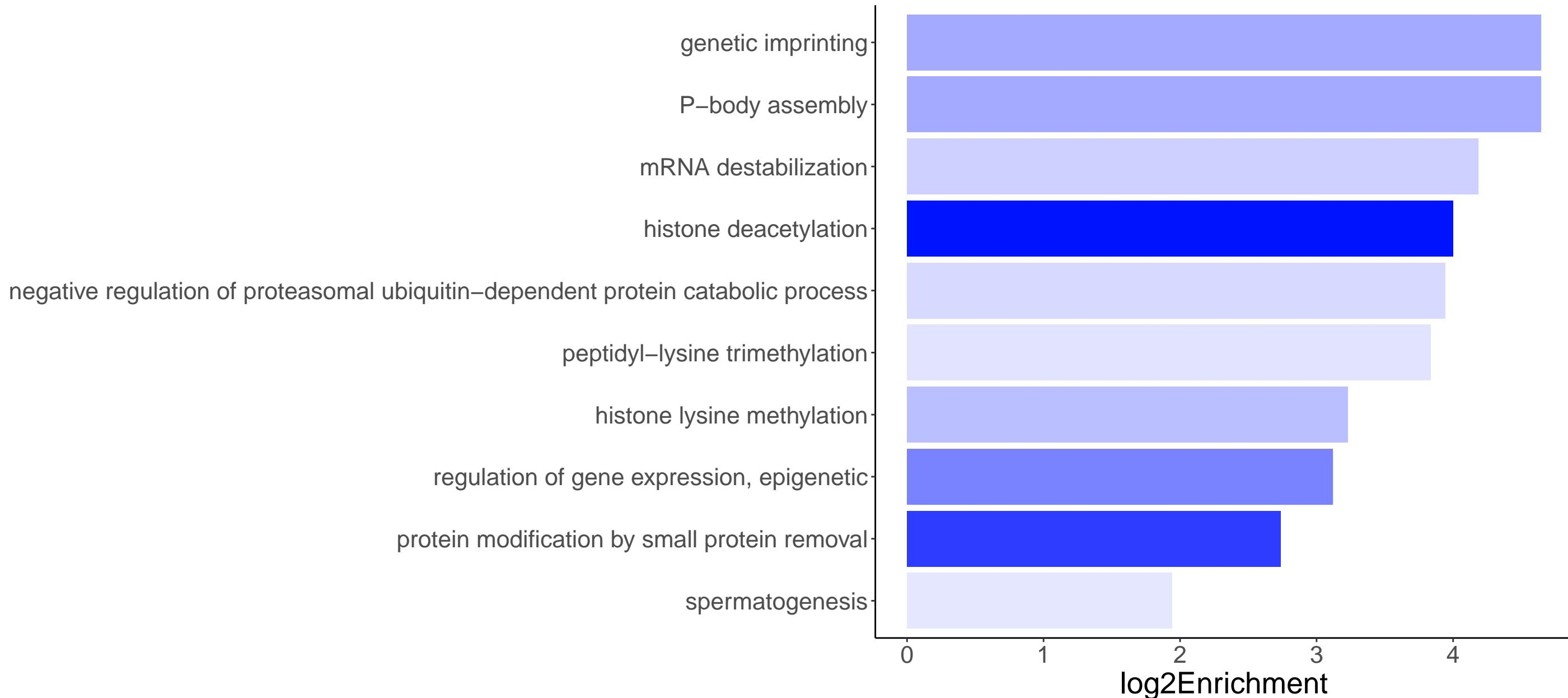
4

log2Enrichment



Re-clustered module 8.20 BP enrichment

Term



Re-clustered module 8.20 MF enrichment

Term

thiol-dependent ubiquitin-specific protease activity

cysteine-type peptidase activity

transcription corepressor activity

sequence-specific double-stranded DNA binding

DNA-binding transcription factor activity, RNA polymerase II-specific

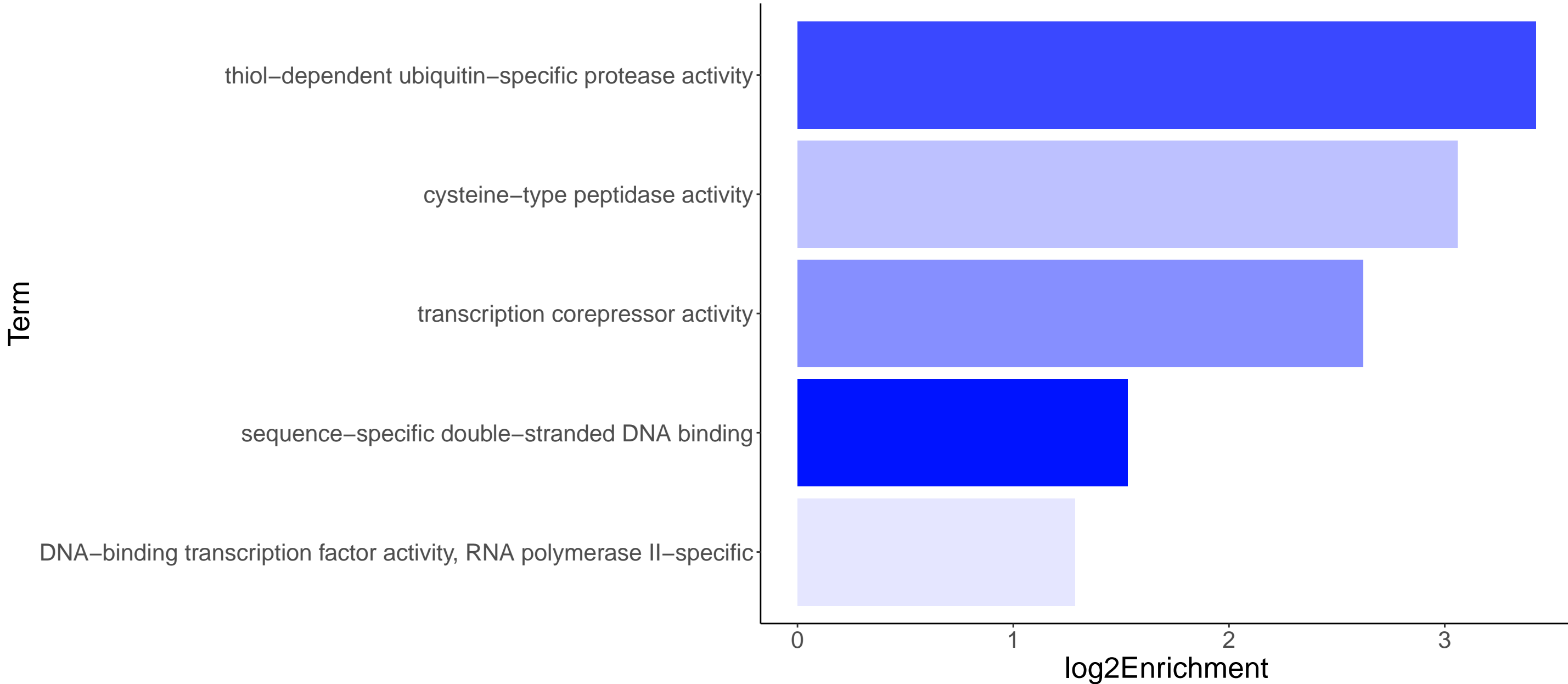
0

1

2

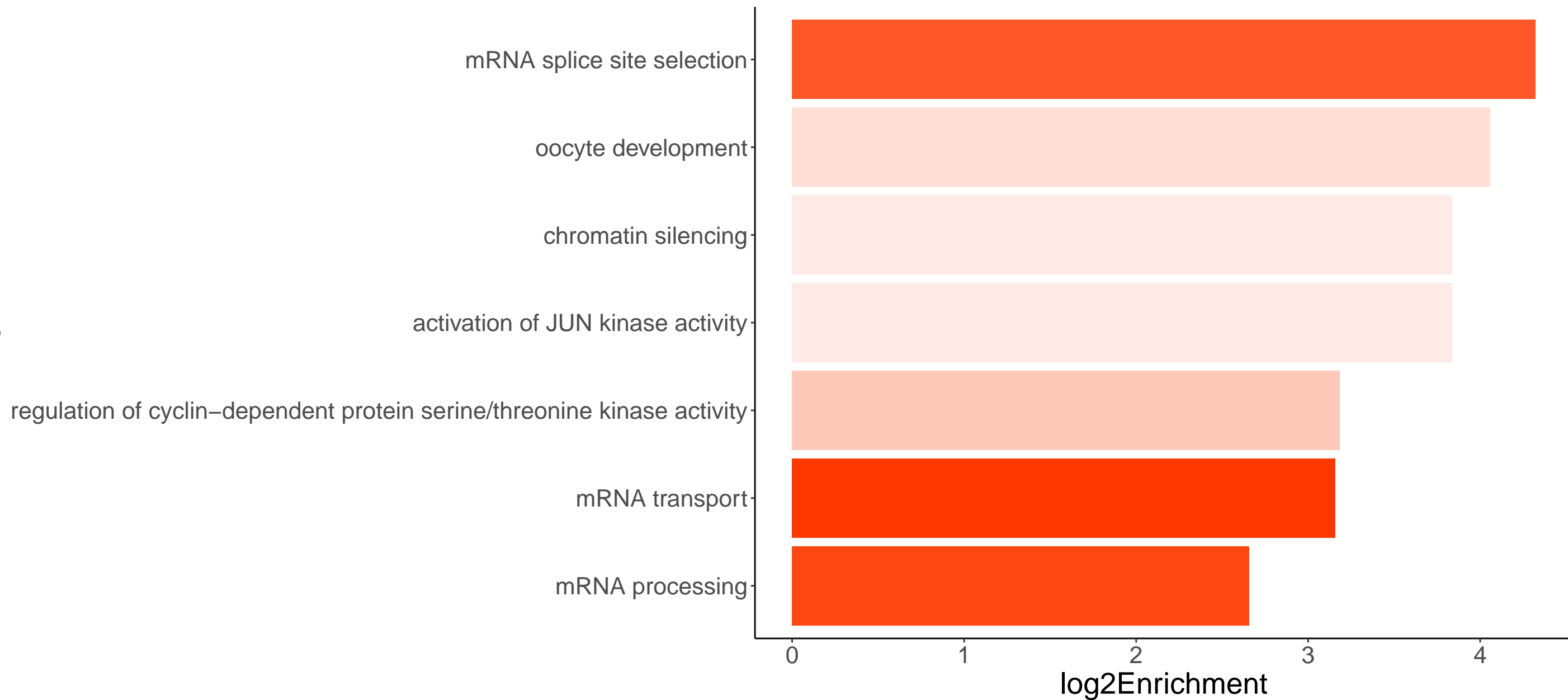
3

log2Enrichment

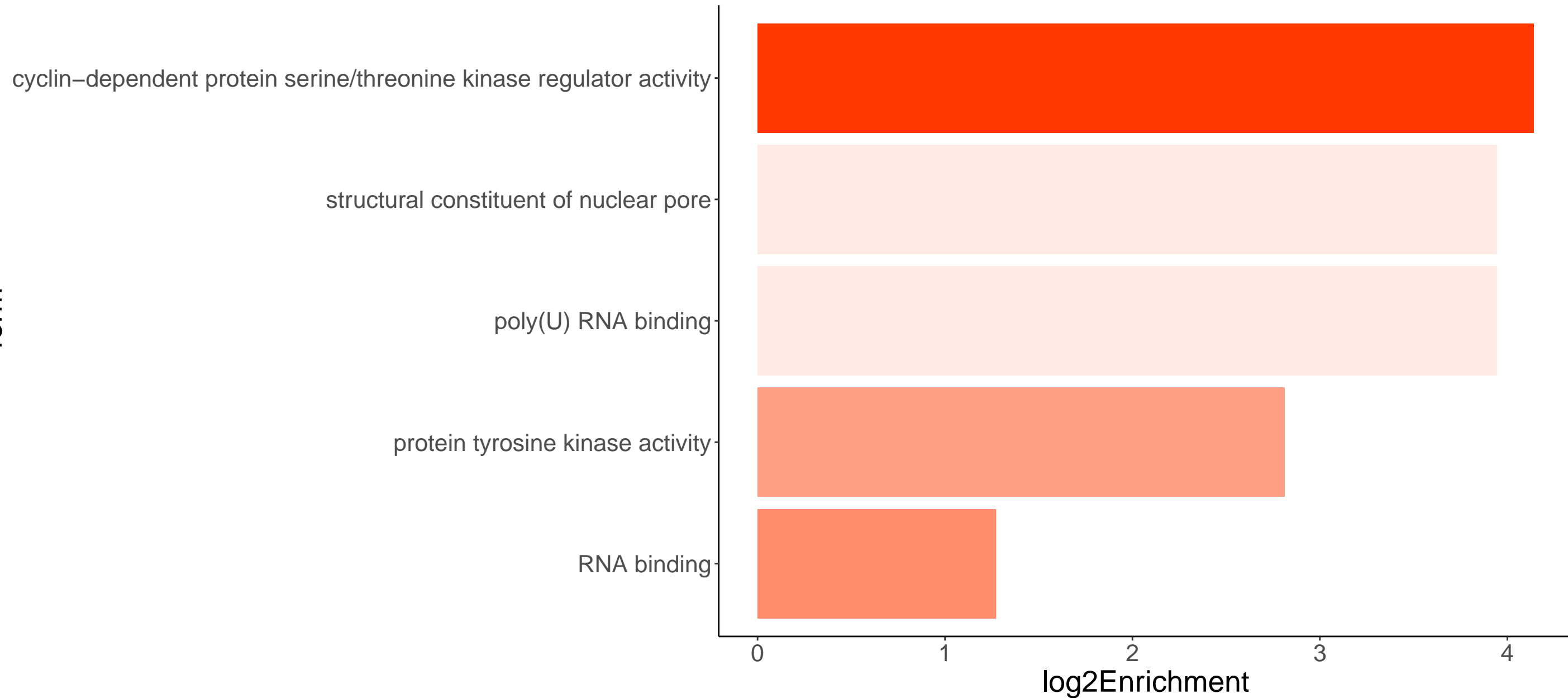


Re-clustered module 8.21 BP enrichment

Term

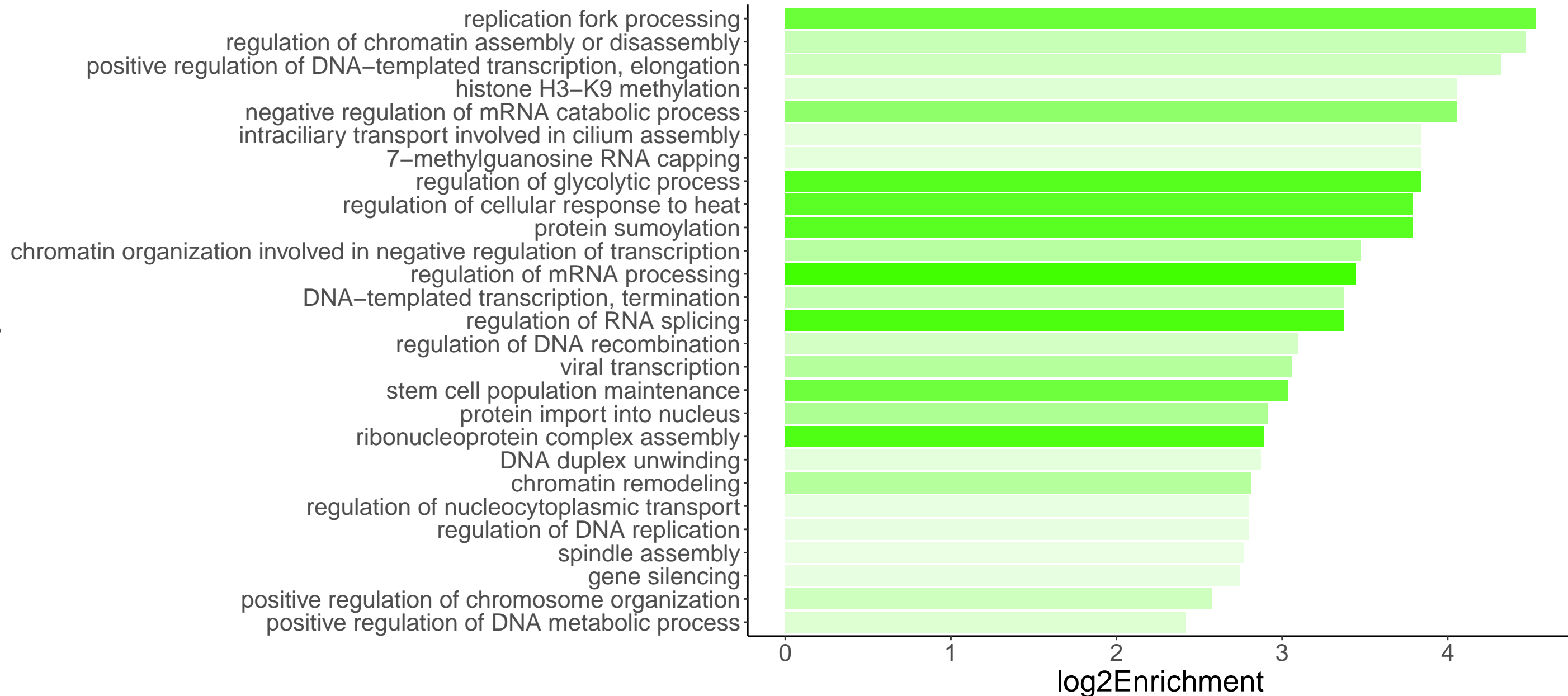


Re-clustered module 8.21 MF enrichment



Re-clustered module 8.22 BP enrichment

Term



Re-clustered module 8.22 MF enrichment

Term

poly(A) binding

0

1

2

3

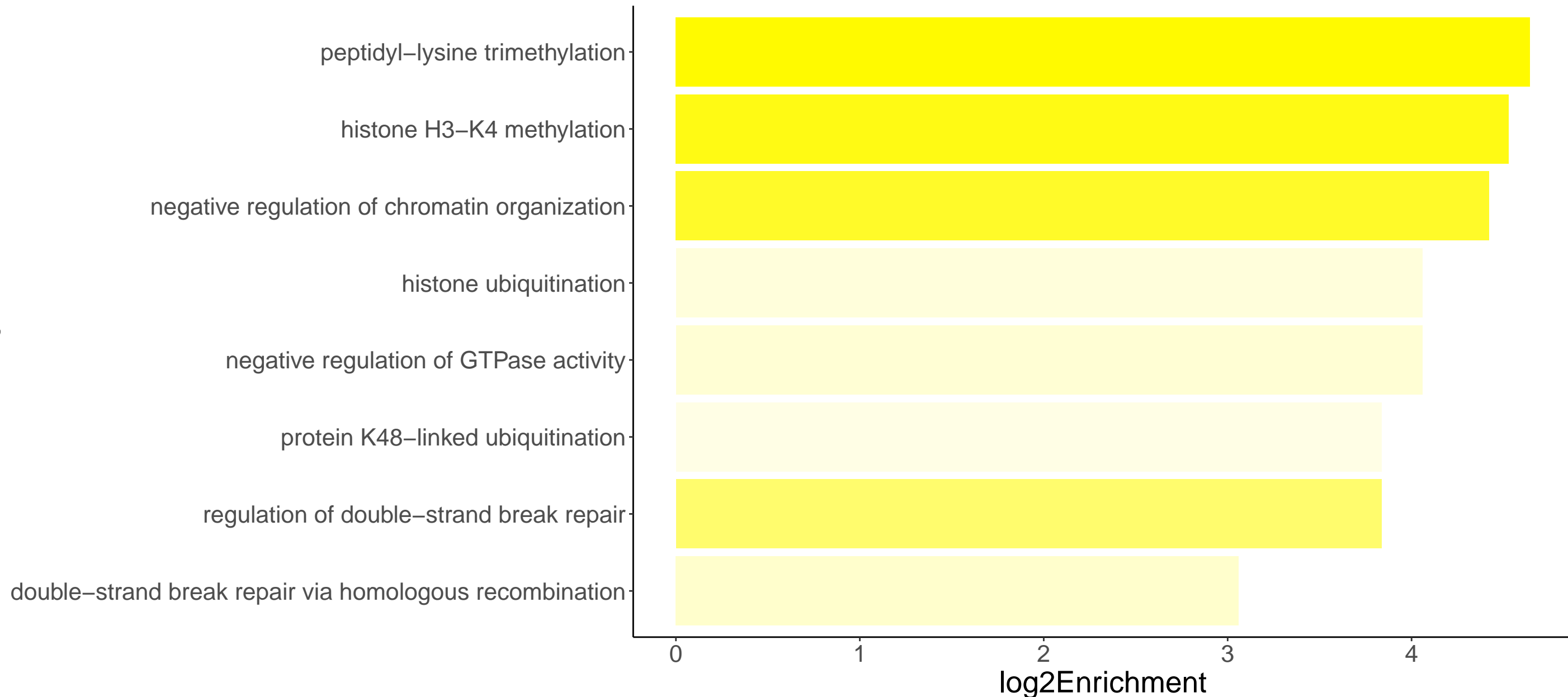
4

log2Enrichment



Re-clustered module 8.23 BP enrichment

Term



Re-clustered module 8.23 MF enrichment

Term

methyl-CpG binding

protein-lysine N-methyltransferase activity

nuclear receptor transcription coactivator activity

0

1

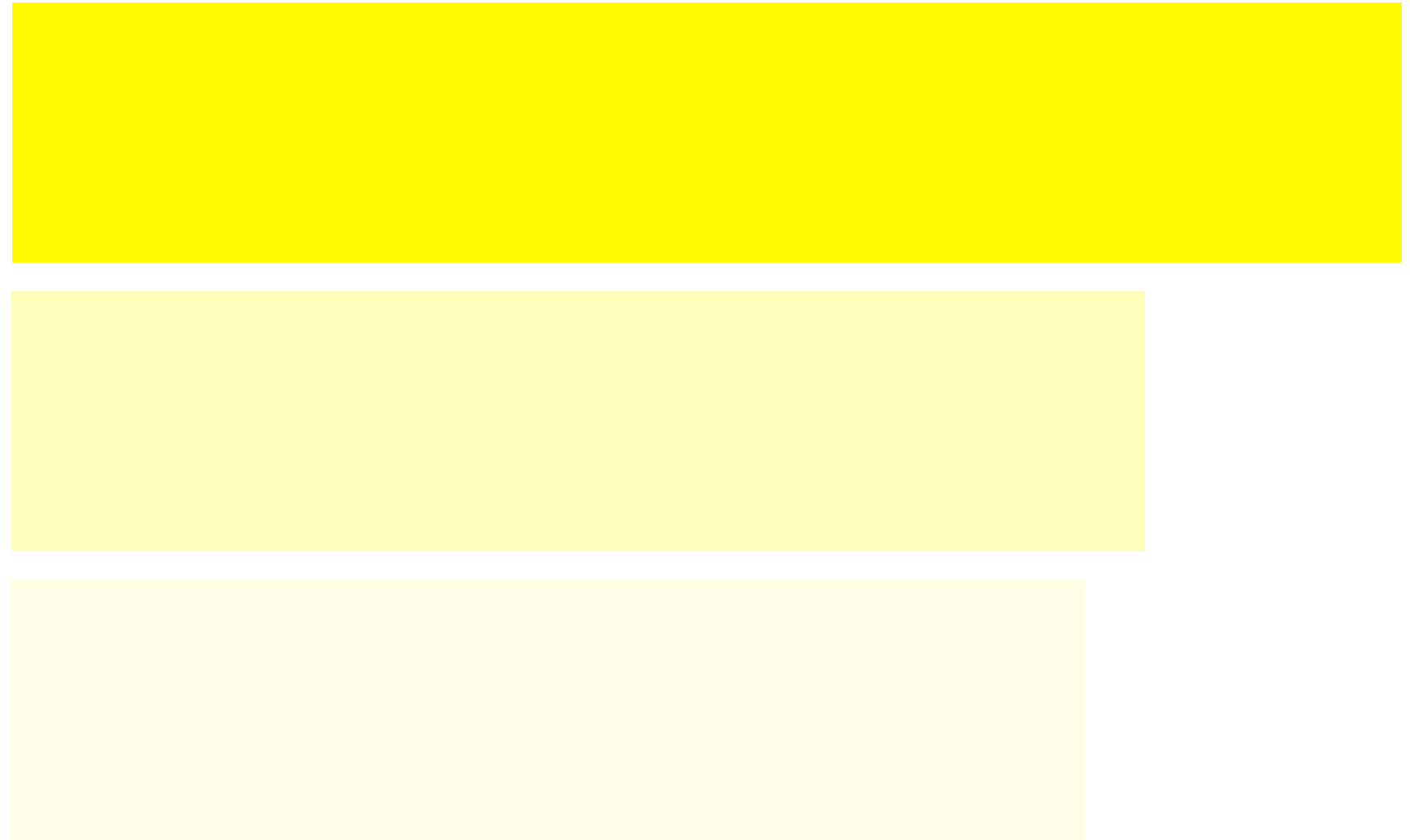
2

3

4

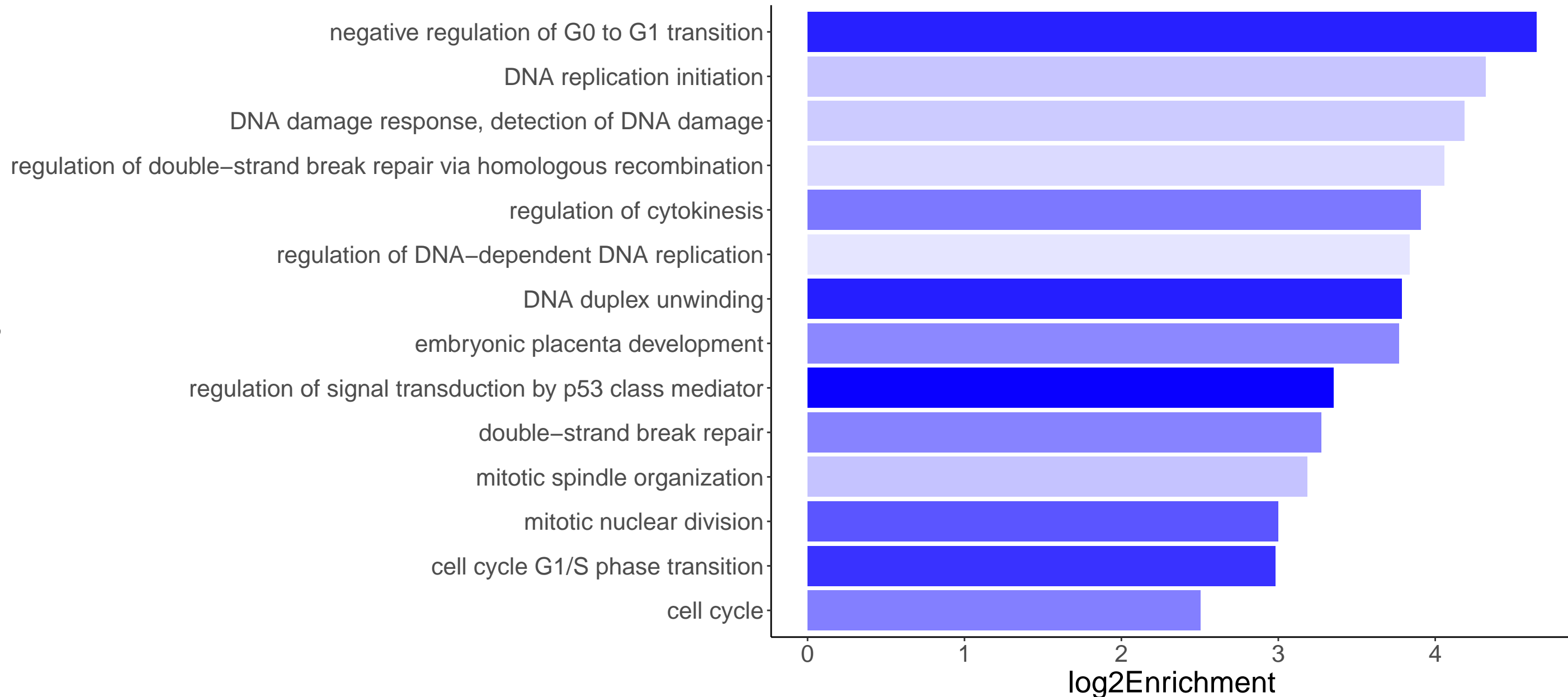
5

log2Enrichment



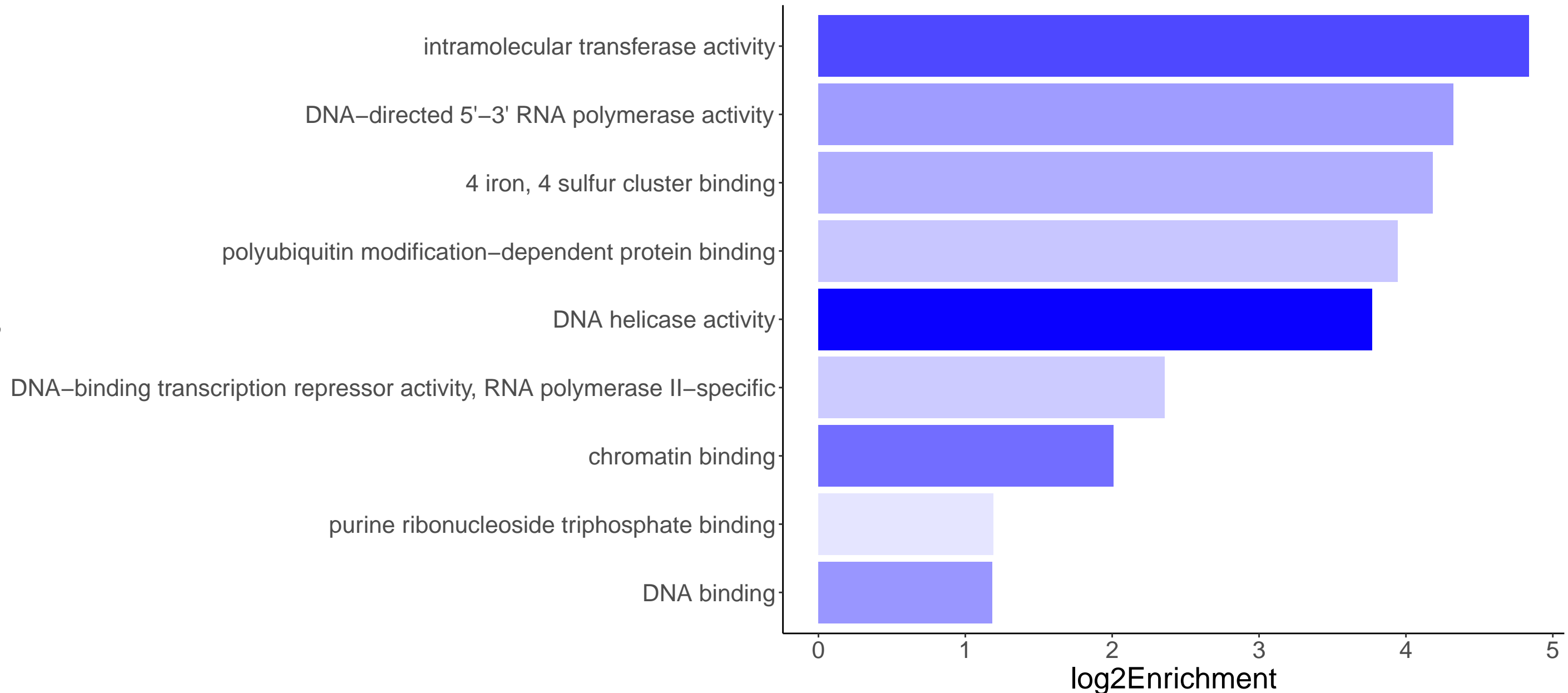
Re-clustered module 8.24 BP enrichment

Term



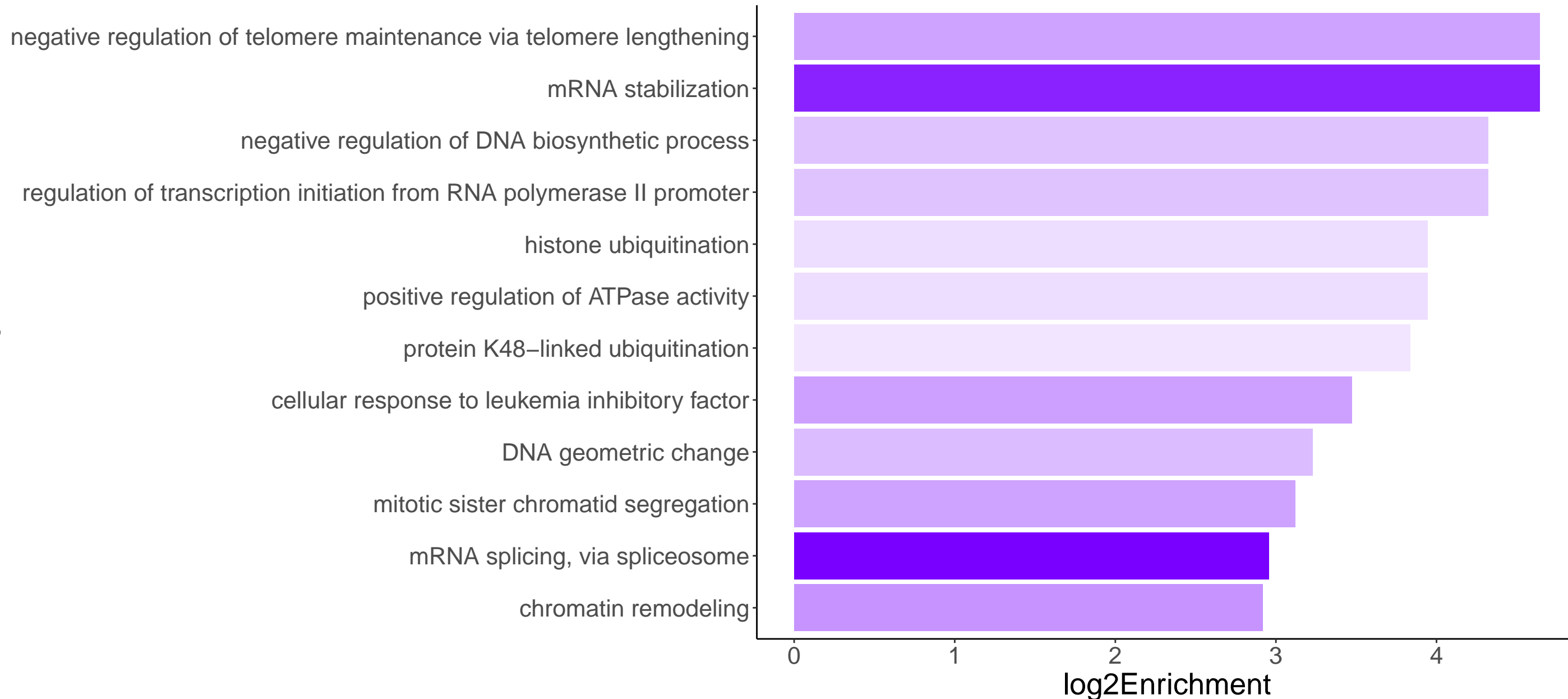
Re-clustered module 8.24 MF enrichment

Term



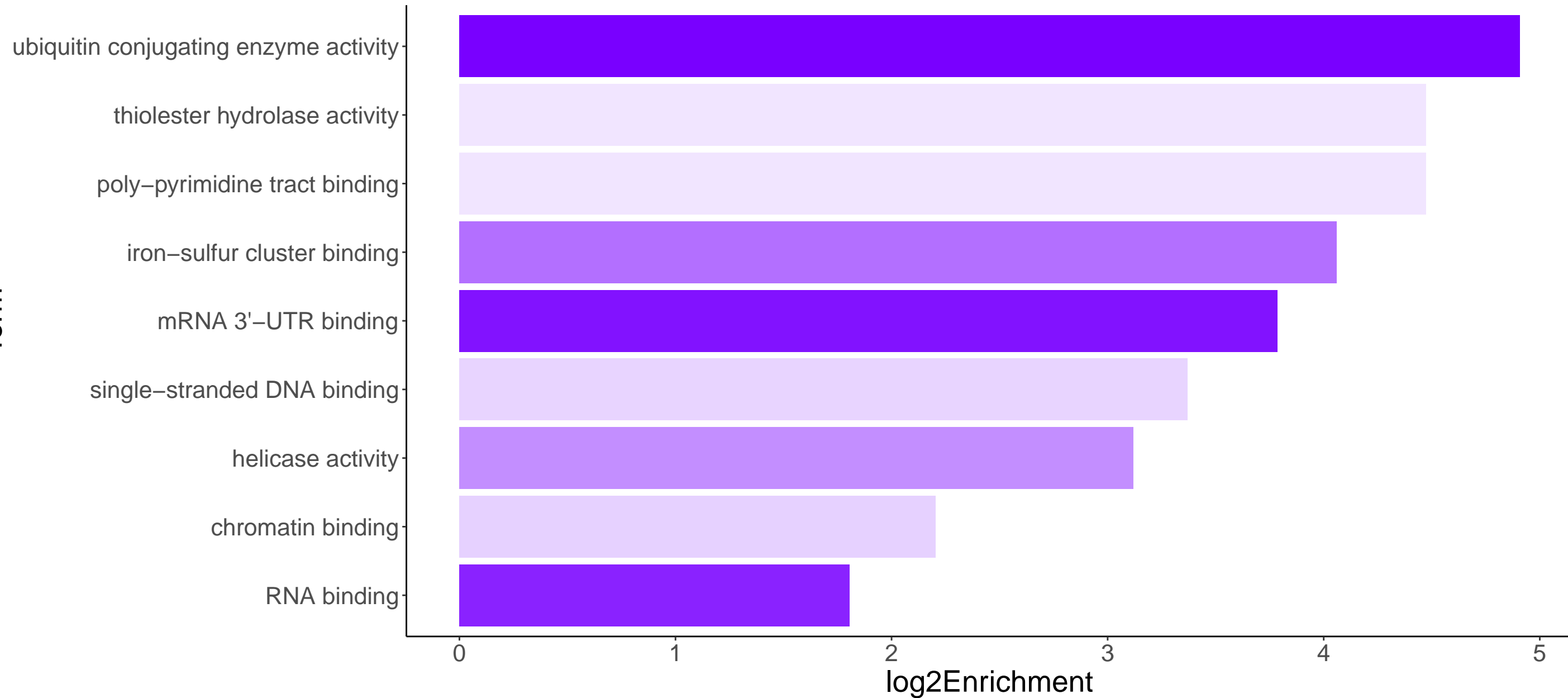
Re-clustered module 8.25 BP enrichment

Term



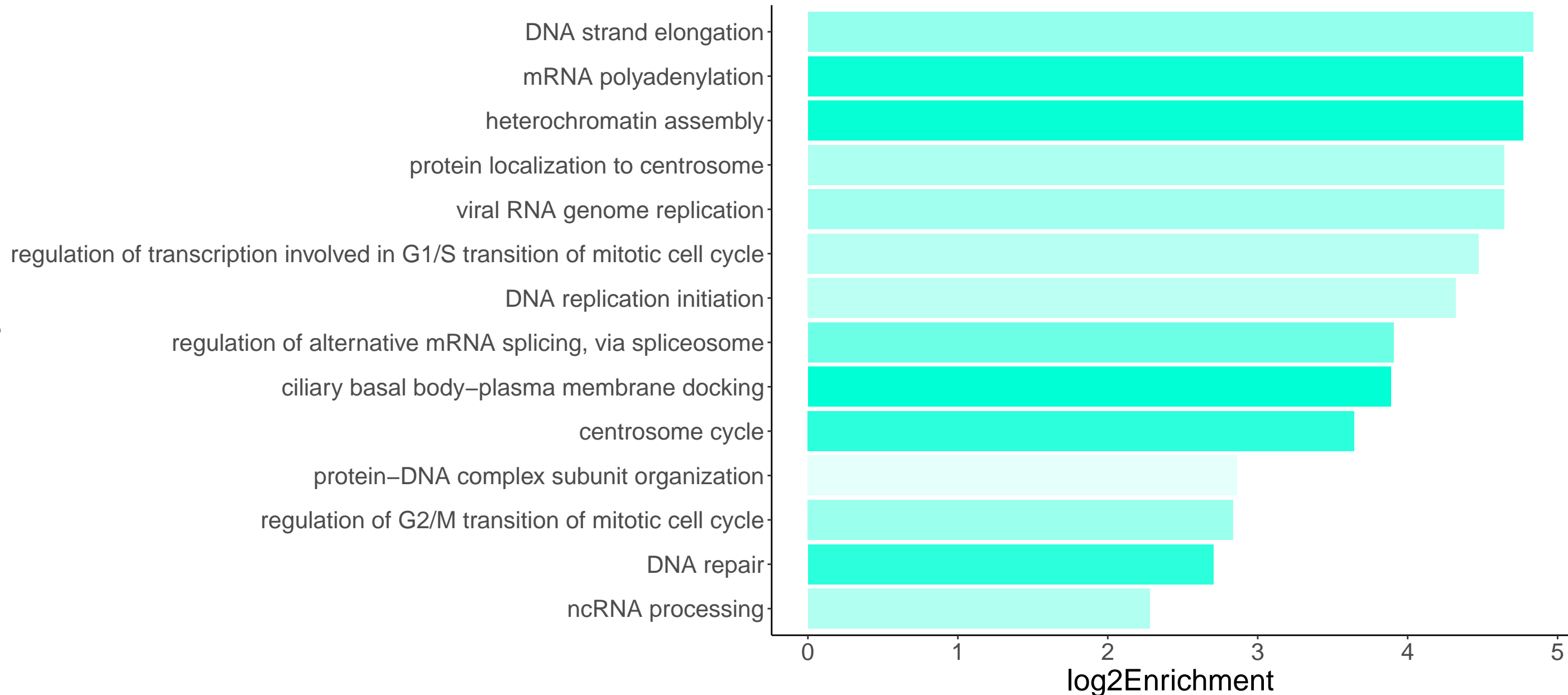
Re-clustered module 8.25 MF enrichment

Term



Re-clustered module 8.26 BP enrichment

Term



Re-clustered module 8.26 MF enrichment

Term

DNA replication origin binding

endonuclease activity

0

1

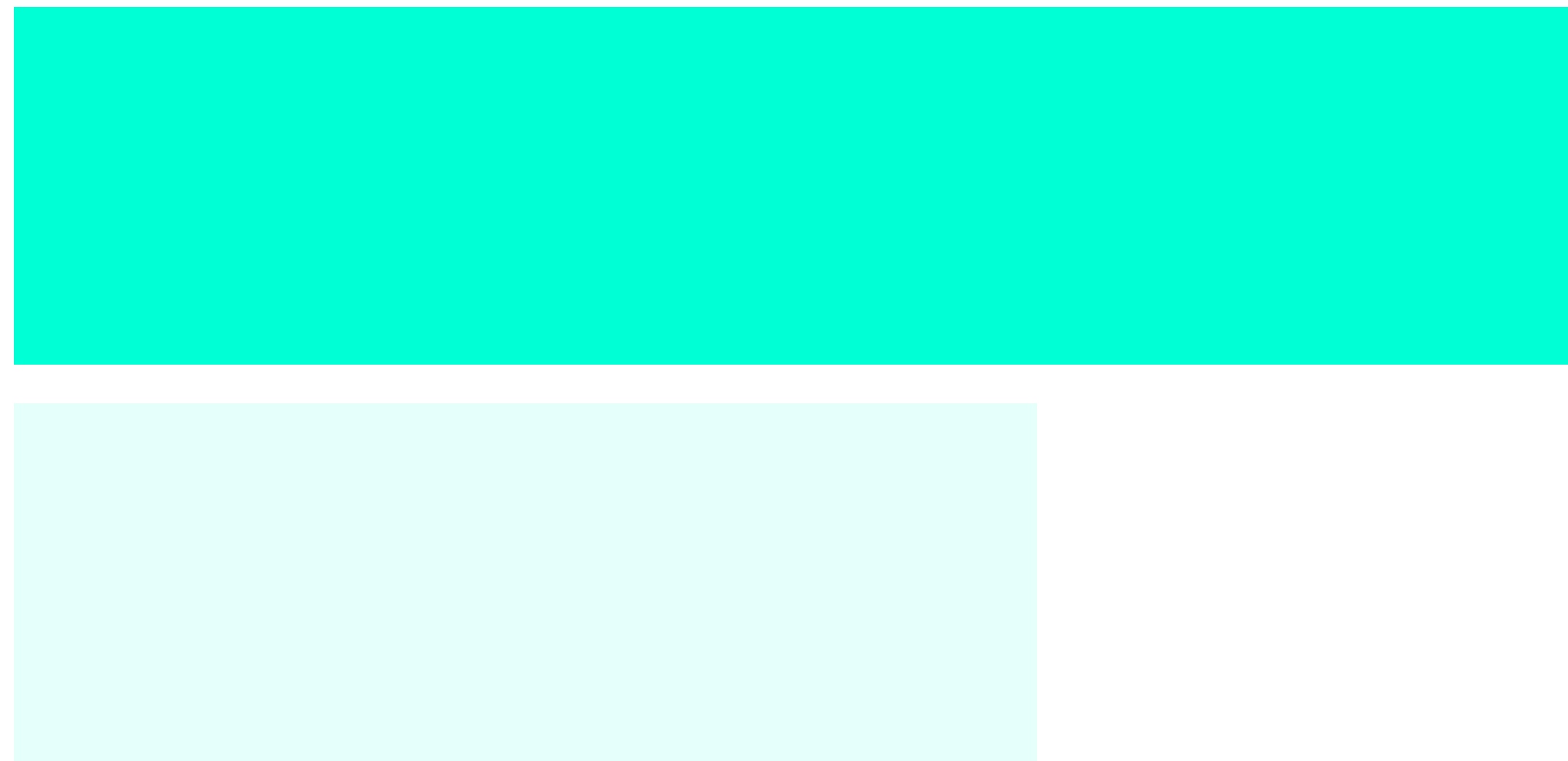
2

3

4

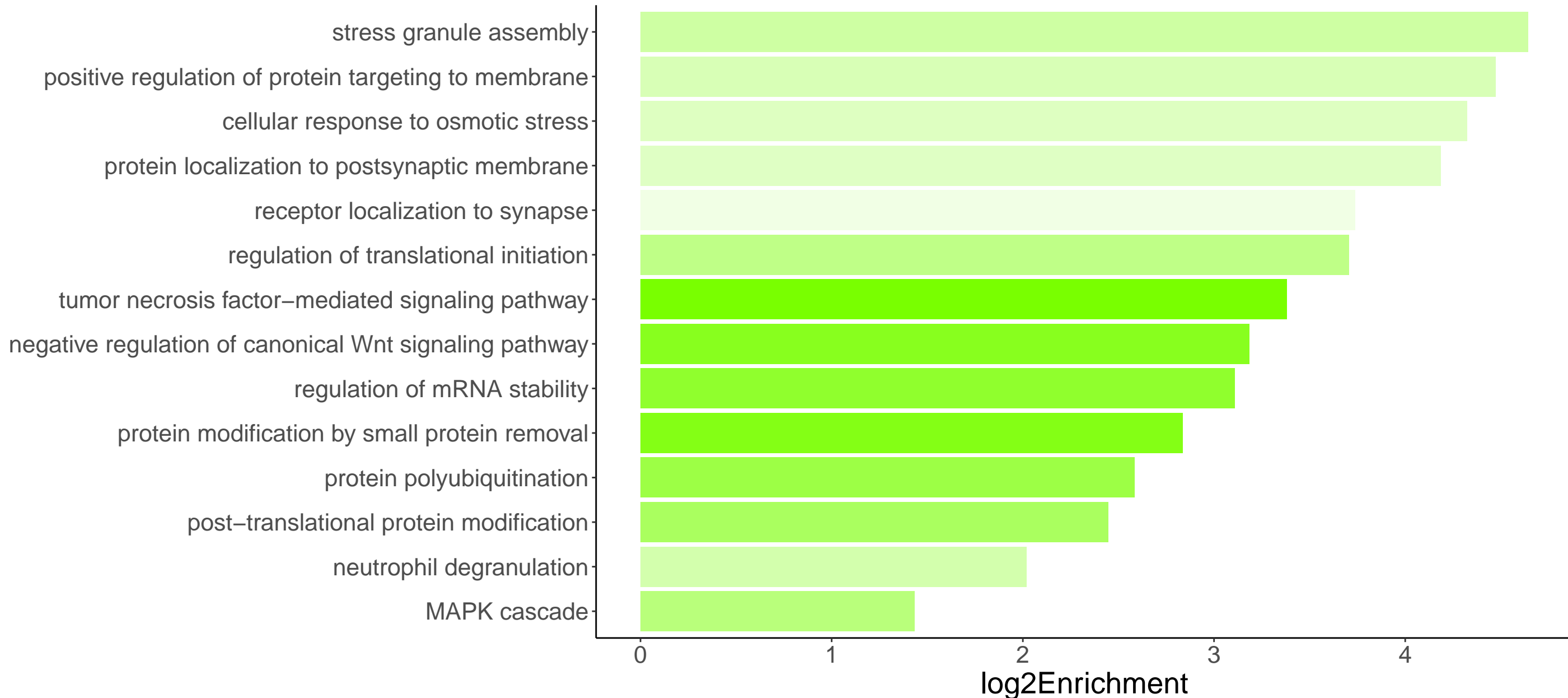
5

log2Enrichment



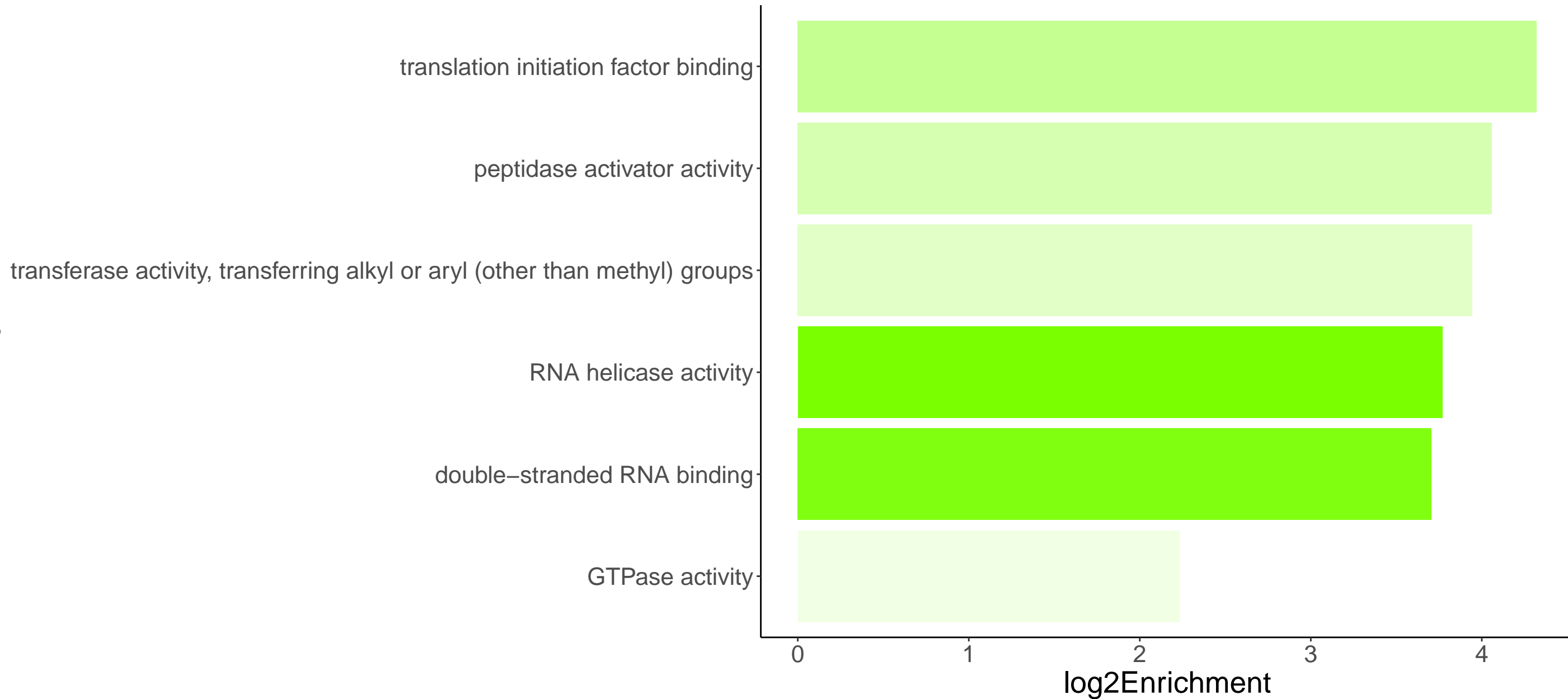
Re-clustered module 8.3 BP enrichment

Term



Re-clustered module 8.3 MF enrichment

Term



Re-clustered module 8.4.4 BP enrichment

Term

blastocyst development

chromatin remodeling

epithelial to mesenchymal transition

mRNA splicing, via spliceosome

histone acetylation

0

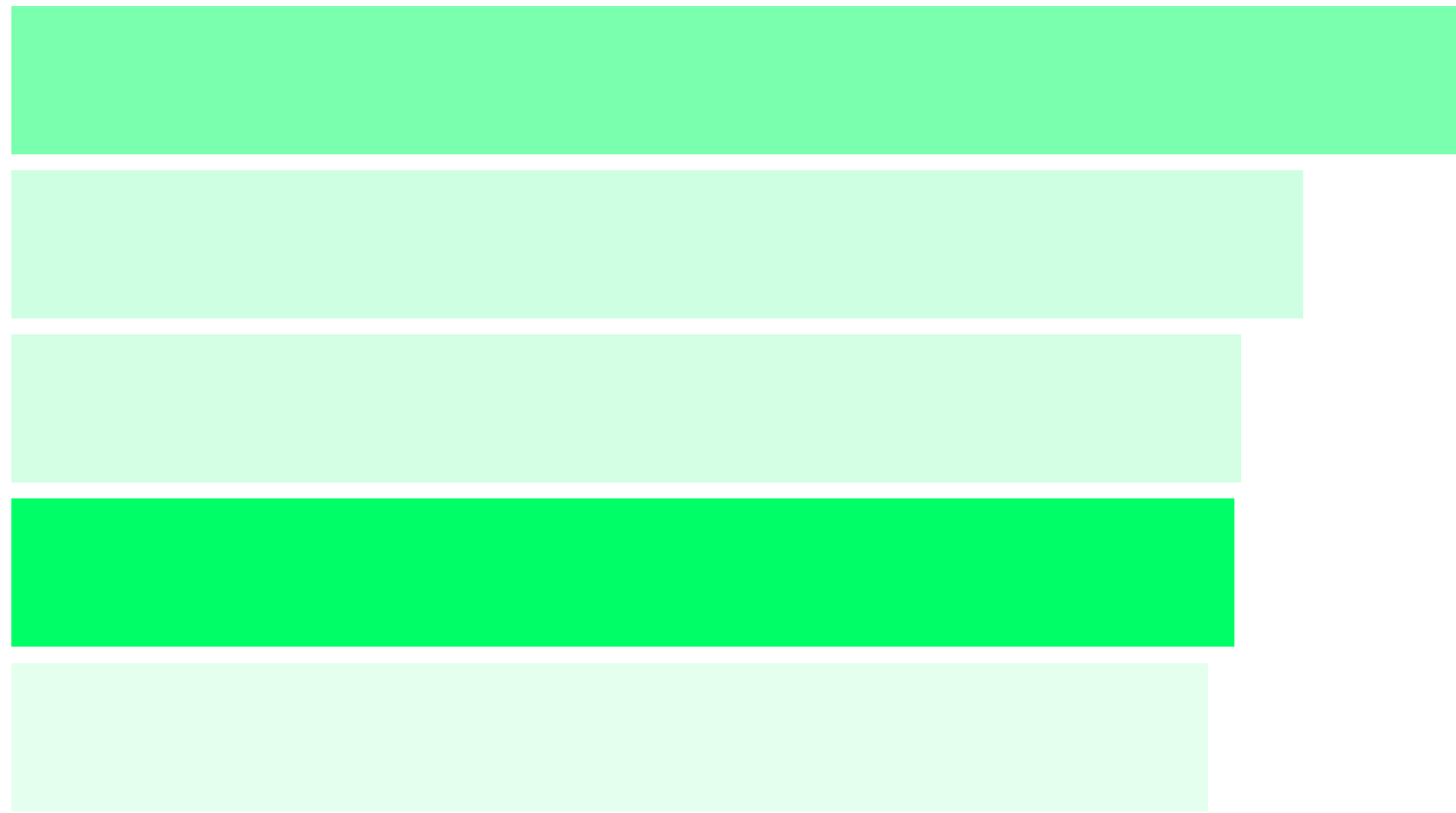
1

2

3

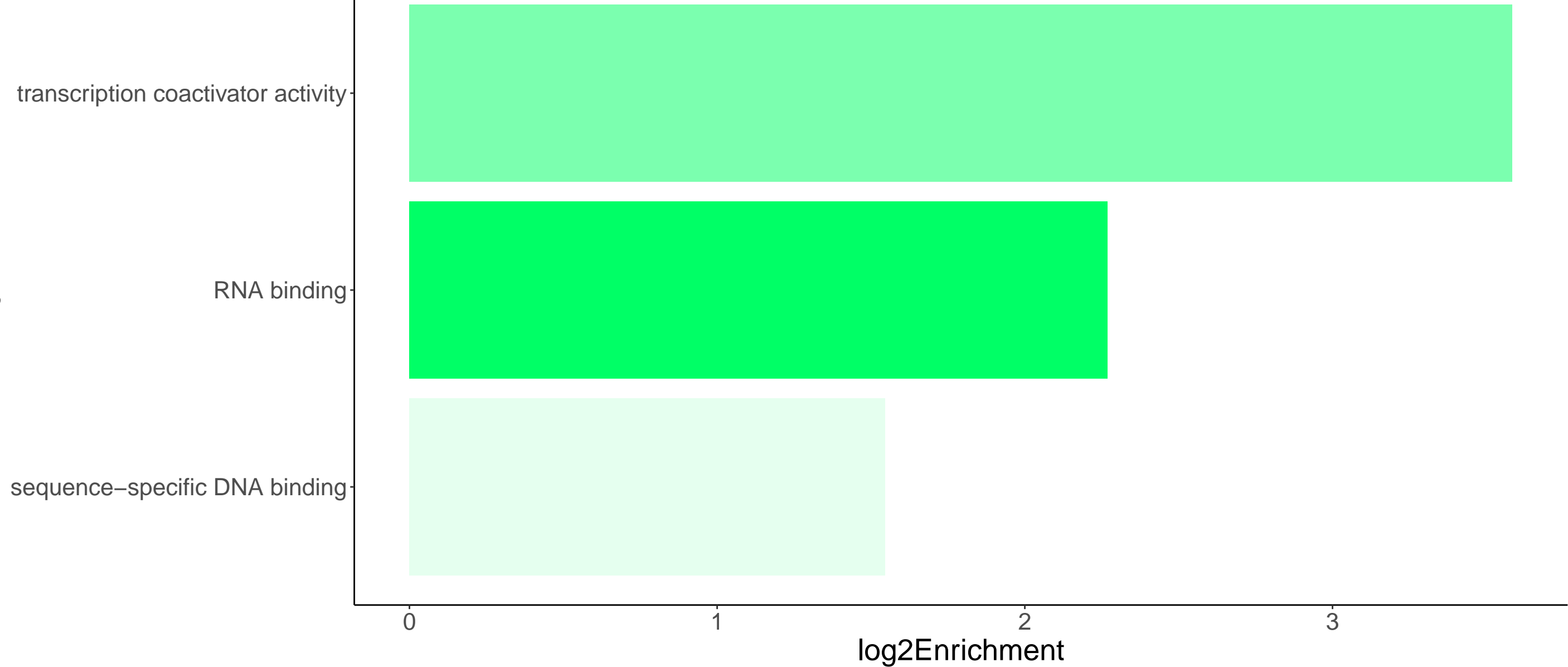
4

log2Enrichment



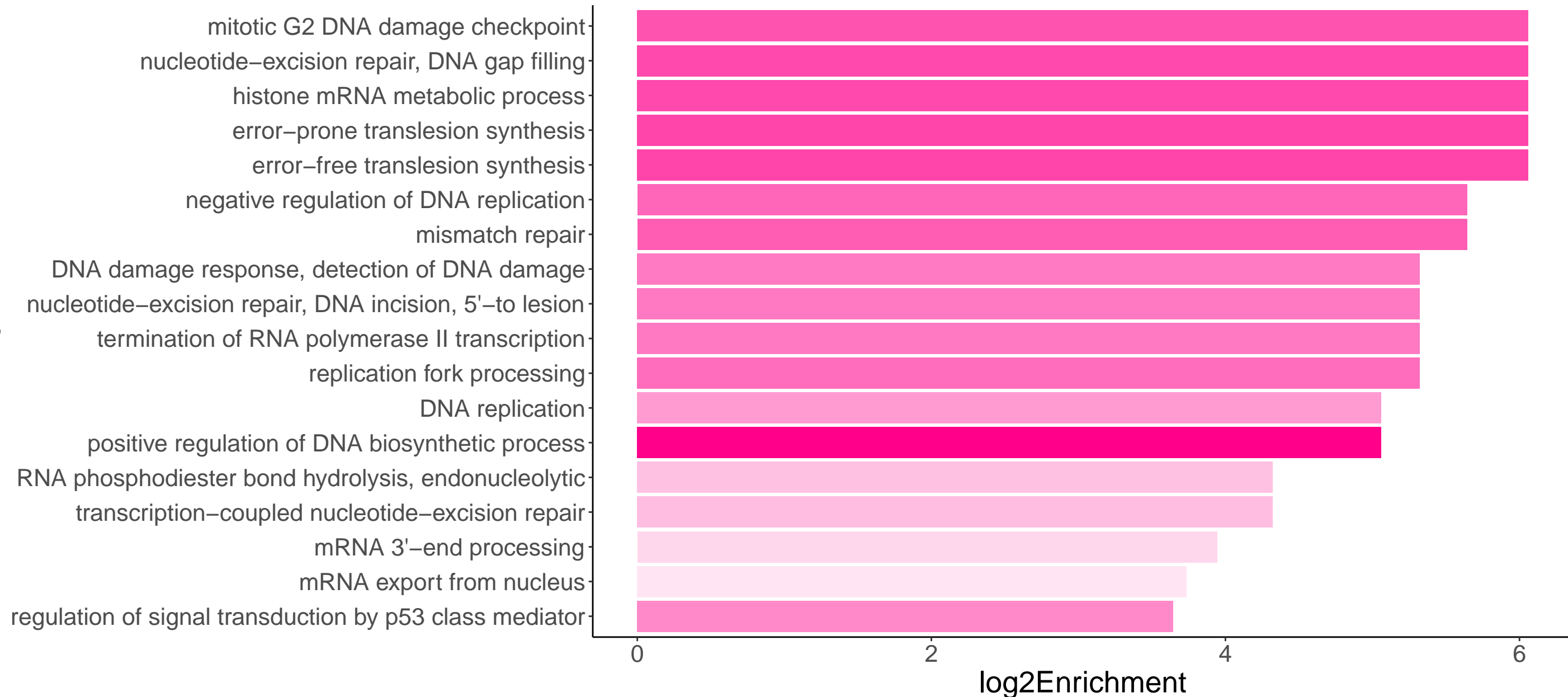
Re-clustered module 8.4.4 MF enrichment

Term



Re-clustered module 8.4.5 BP enrichment

Term



Re-clustered module 8.4.5 MF enrichment

Term

endoribonuclease activity

damaged DNA binding

exonuclease activity

0

1

2

3

4

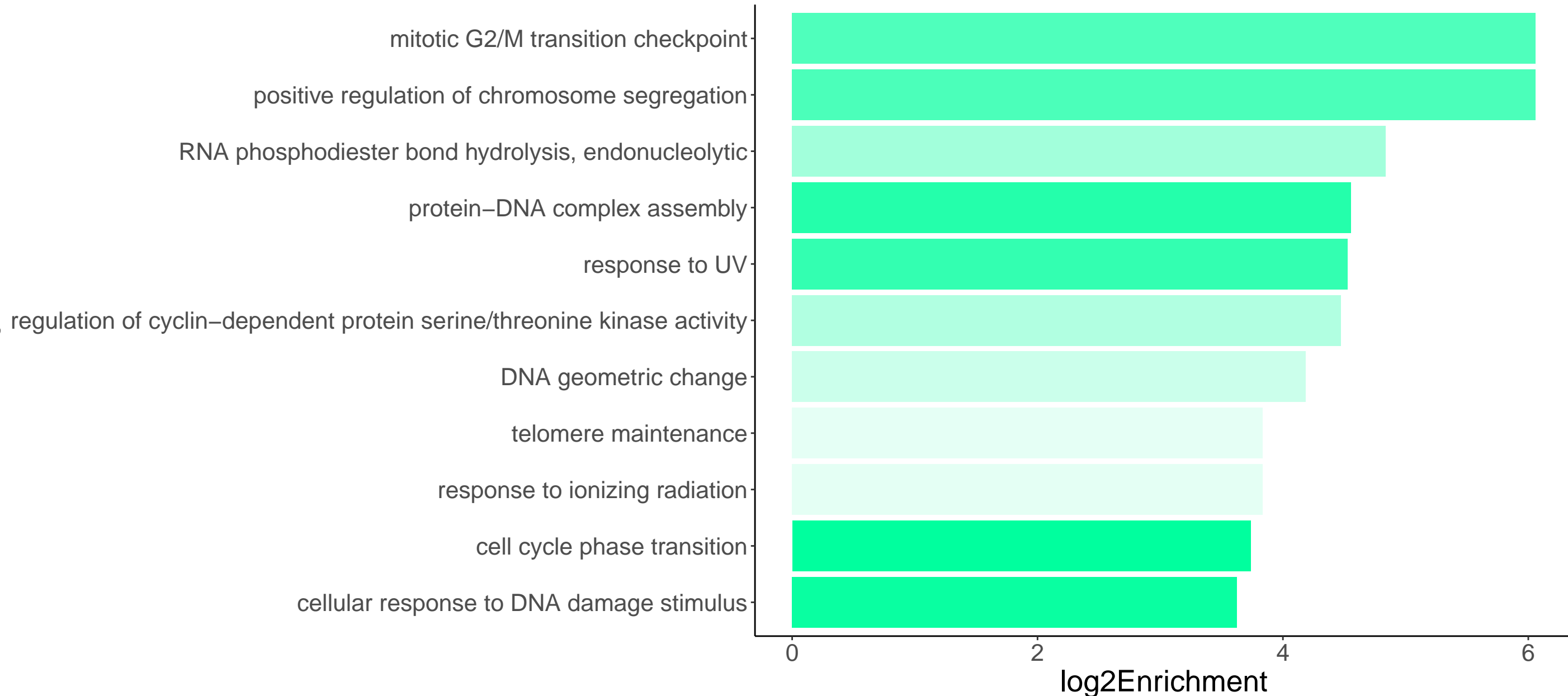
5

log2Enrichment

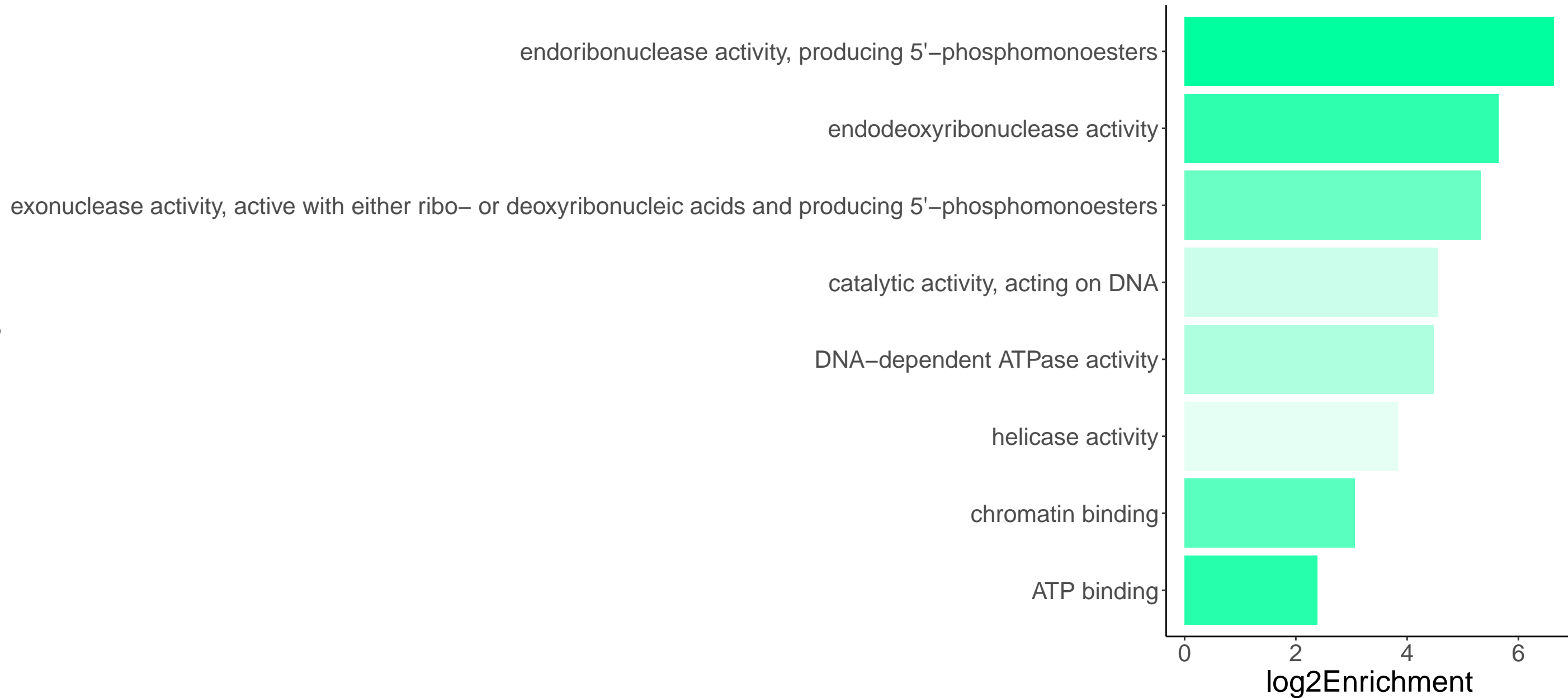


Re-clustered module 8.4.6 BP enrichment

Term

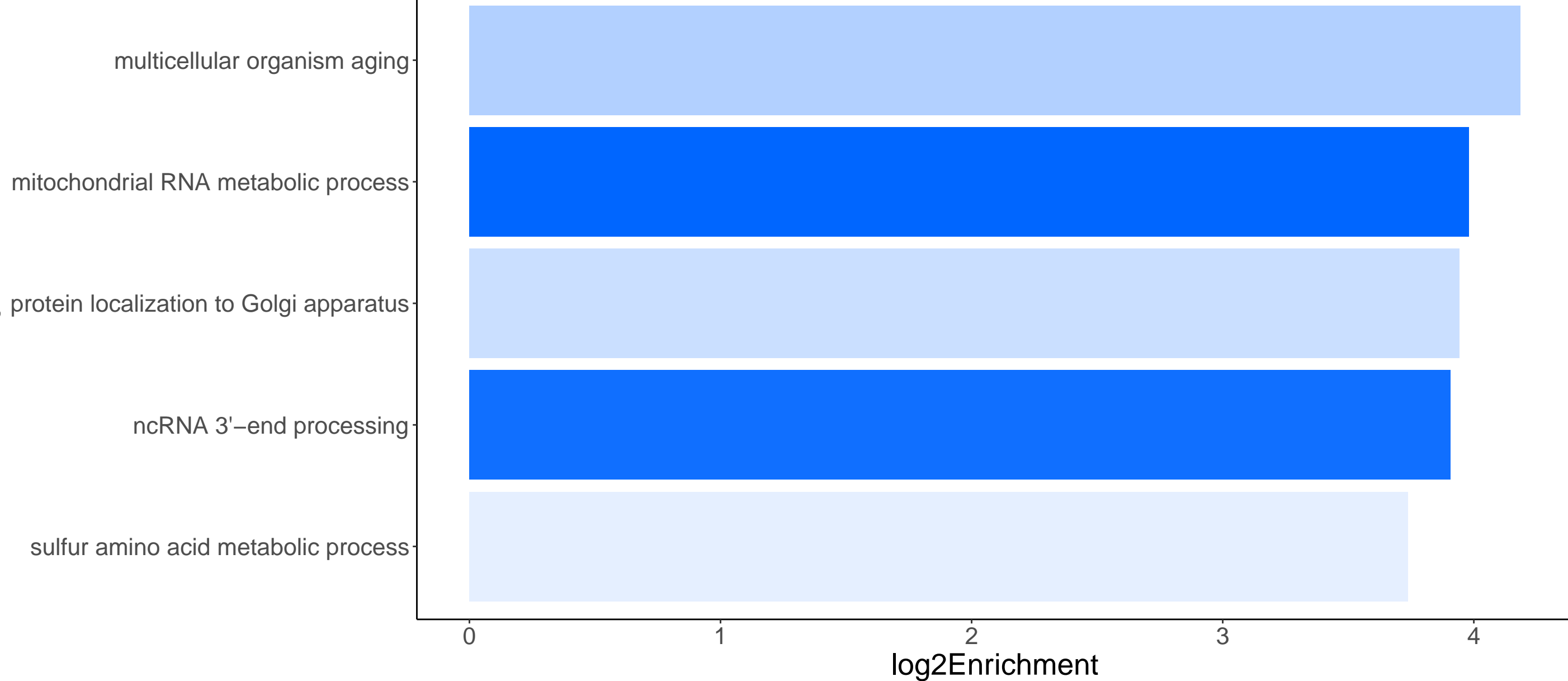


Term



Re-clustered module 8.5 BP enrichment

Term



Re-clustered module 8.5 MF enrichment

Term

tRNA binding

0

1

2

3

log2Enrichment



Re-clustered module 8.6.1 BP enrichment

Term

negative regulation of mRNA splicing, via spliceosome

spliceosomal snRNP assembly

mRNA transport

fibroblast growth factor receptor signaling pathway

mRNA processing

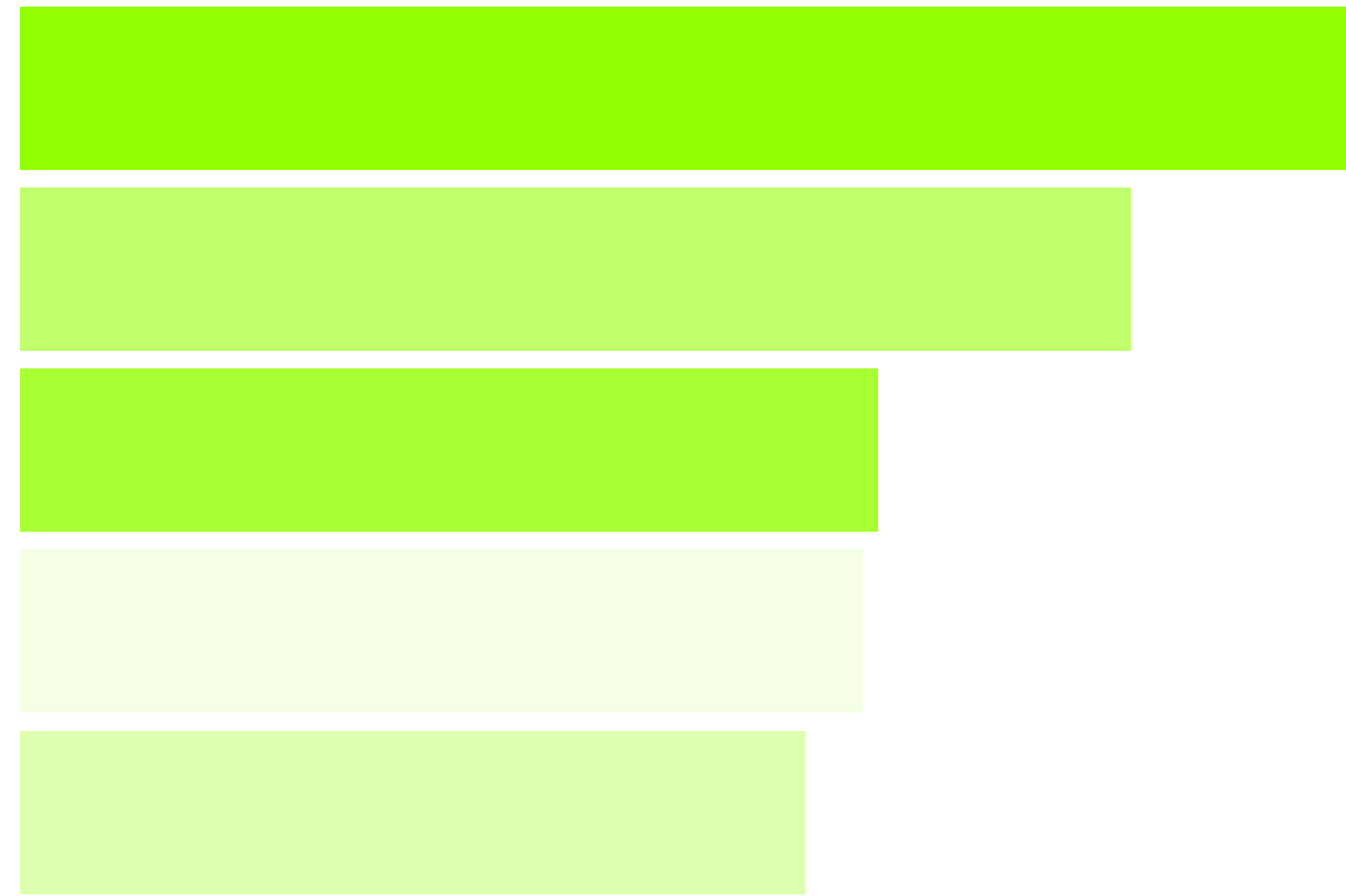
0

2

4

6

log2Enrichment



Re-clustered module 8.6.1 MF enrichment

Term

miRNA binding

mRNA 3'-UTR AU-rich region binding

0

2

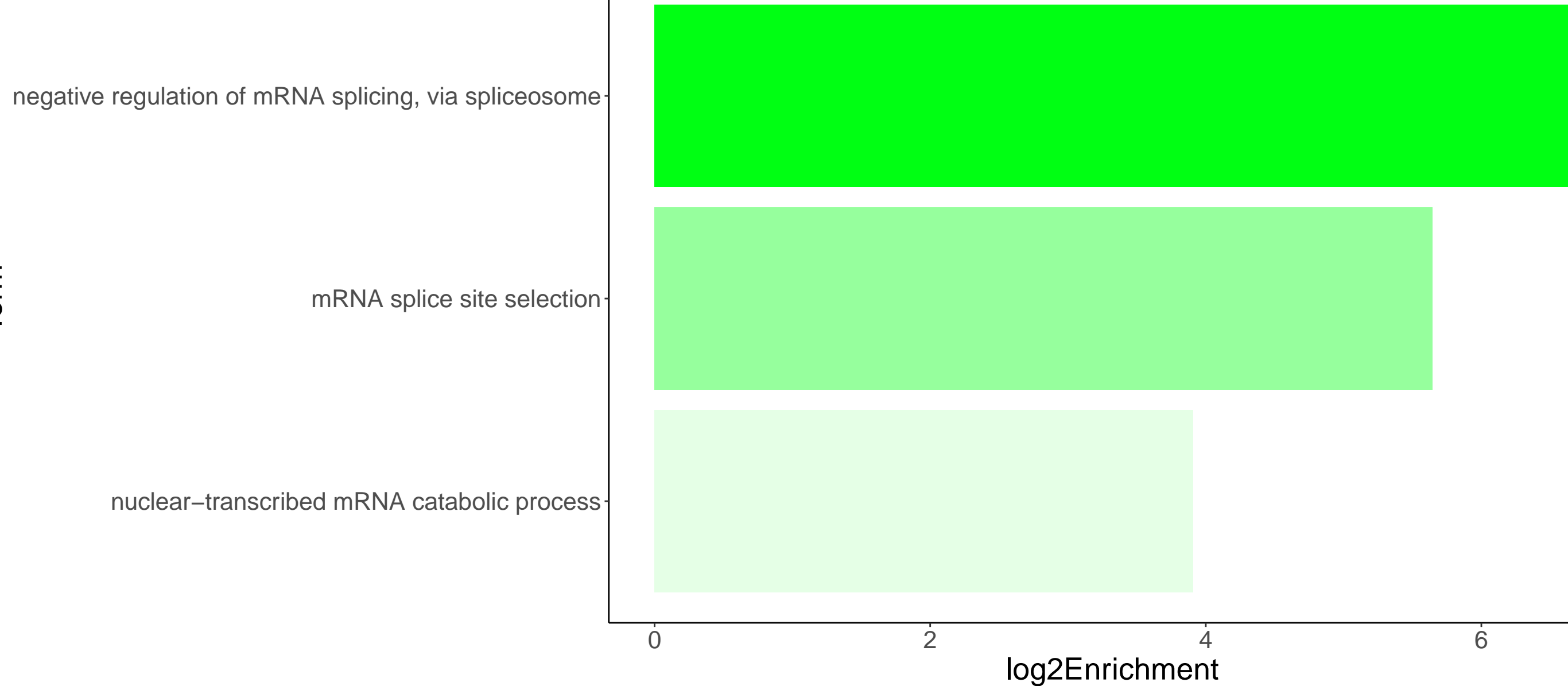
4

log2Enrichment



Re-clustered module 8.6.2 BP enrichment

Term



Re-clustered module 8.6.2 MF enrichment

Term

mRNA binding

0

1

2

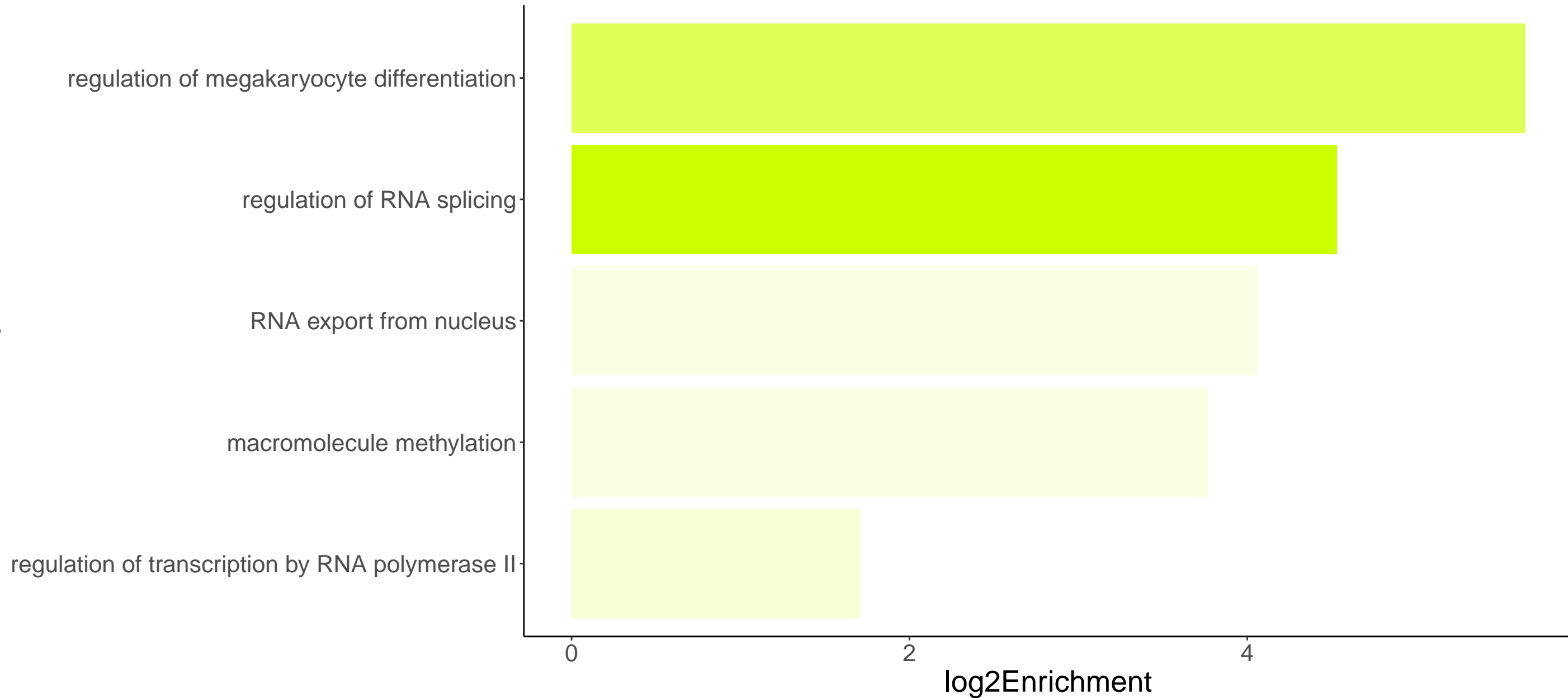
3

log2Enrichment



Re-clustered module 8.6.3 BP enrichment

Term



Re-clustered module 8.6.3 MF enrichment

Term

chromatin binding

0

1

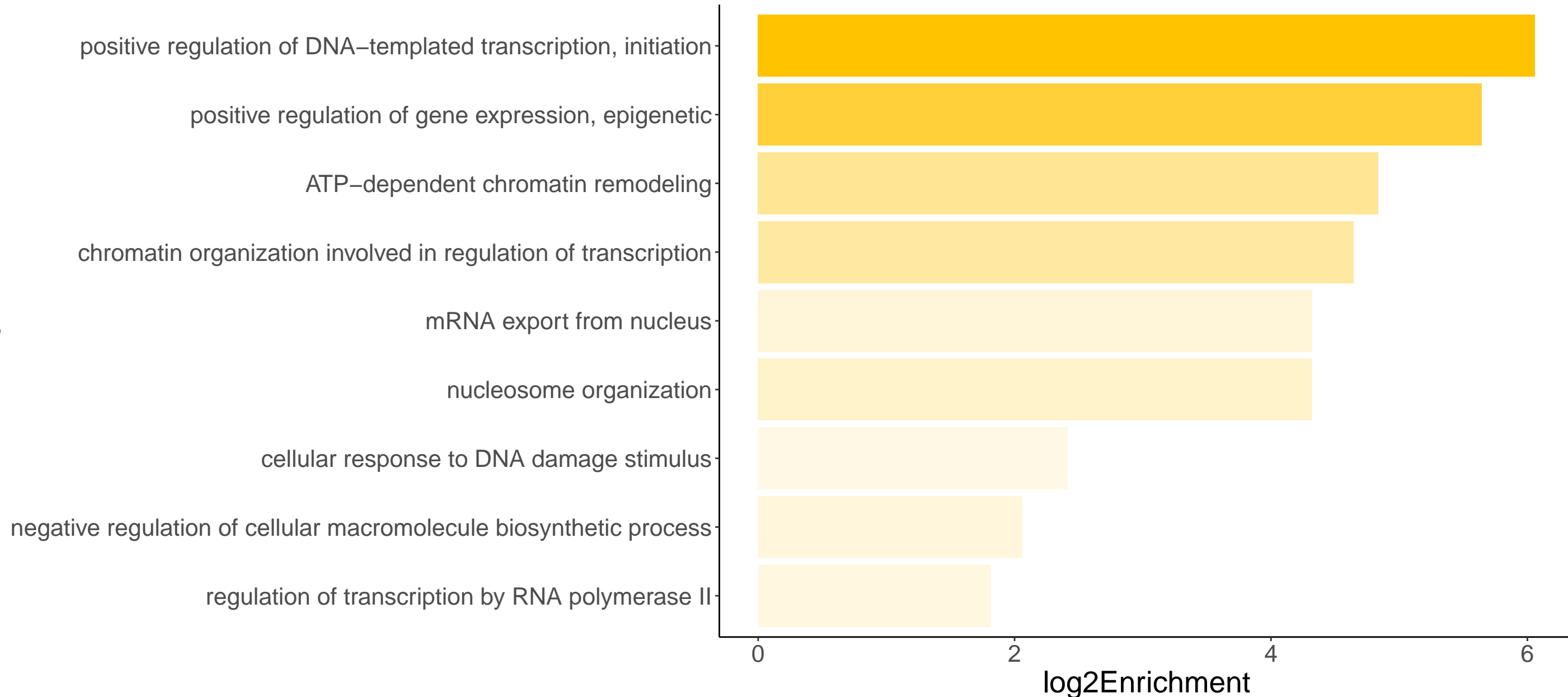
2

log2Enrichment



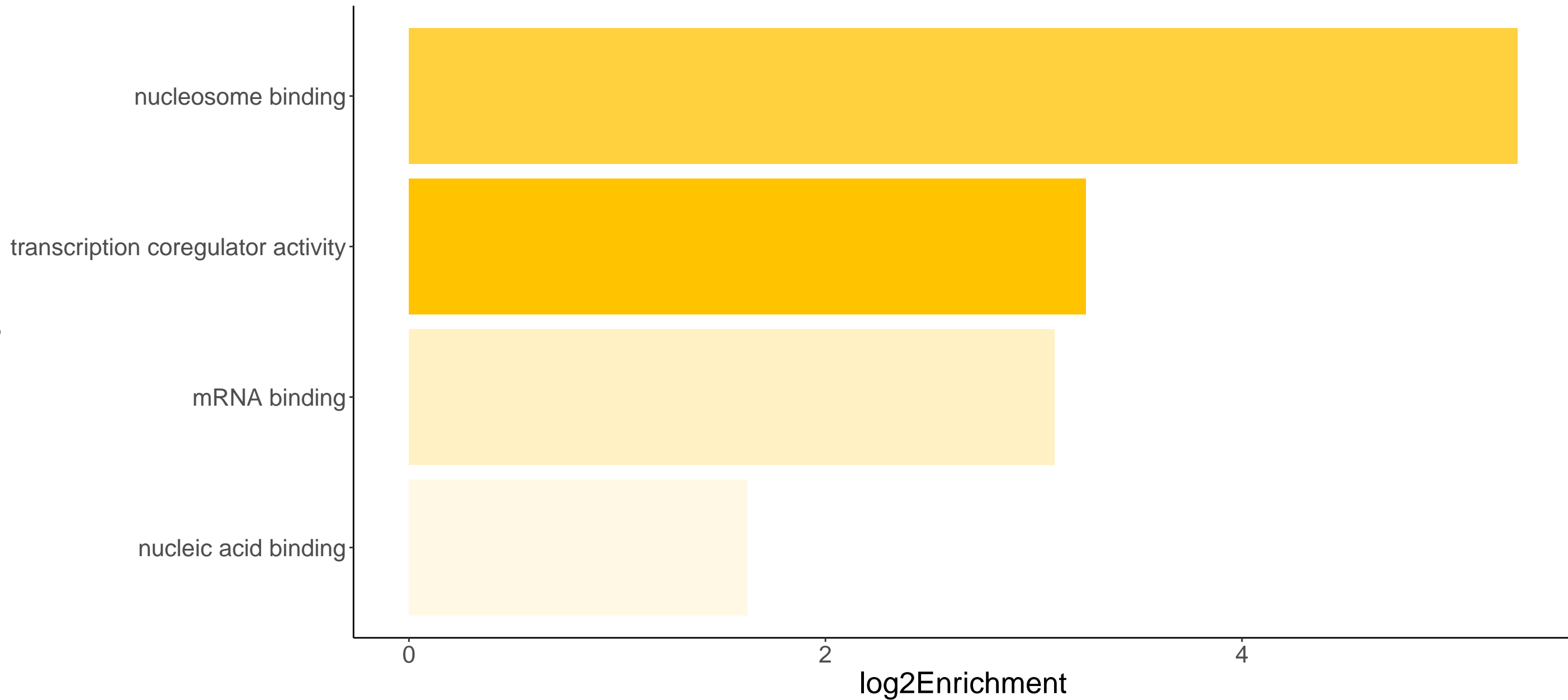
Re-clustered module 8.6.6 BP enrichment

Term



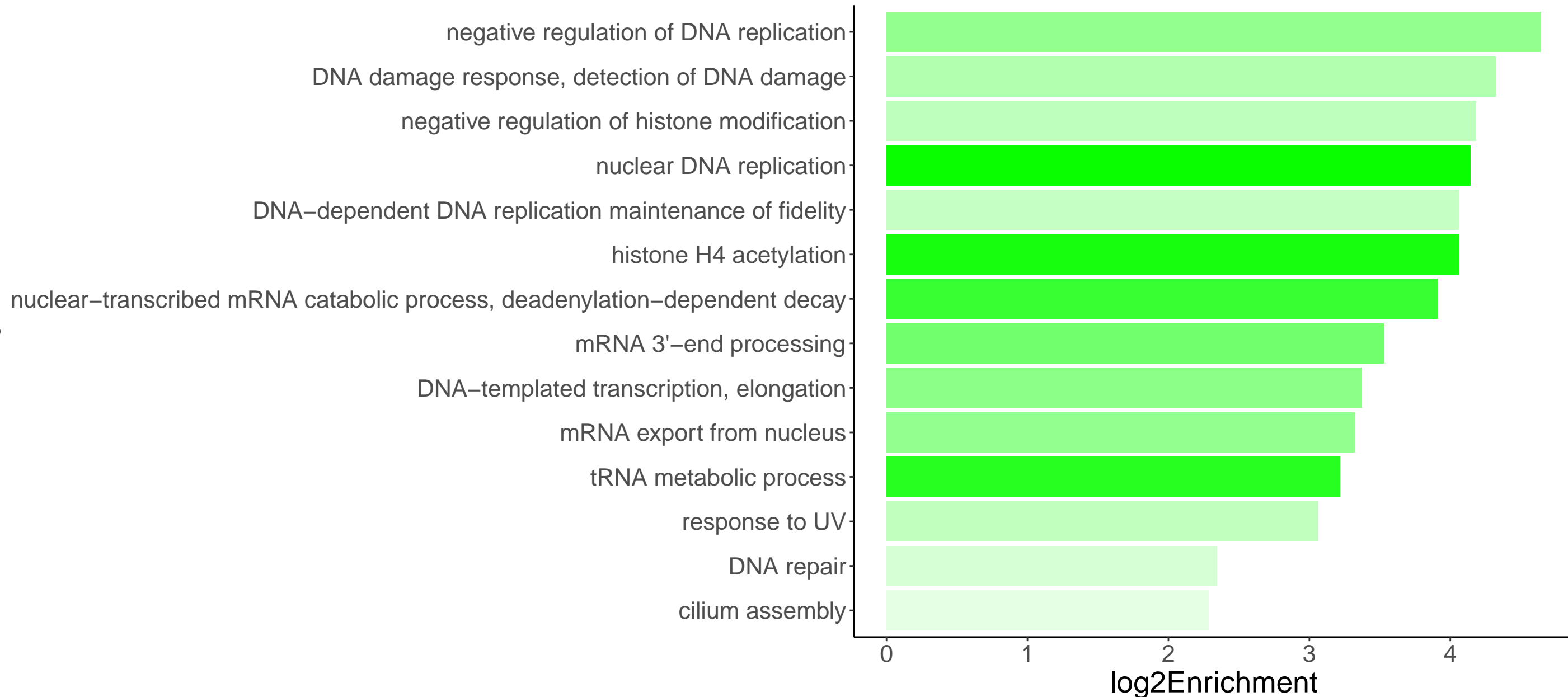
Re-clustered module 8.6.6 MF enrichment

Term



Re-clustered module 8.7 BP enrichment

Term



Re-clustered module 8.7 MF enrichment

Term

repressing transcription factor binding

transcription corepressor activity

0

1

2

3

4

log2Enrichment



Re-clustered module 8.8 BP enrichment

Term

pyrimidine-containing compound catabolic process

2'-deoxyribonucleotide metabolic process

pyrimidine nucleotide metabolic process

nucleotide catabolic process

regulation of microtubule polymerization or depolymerization

0

1

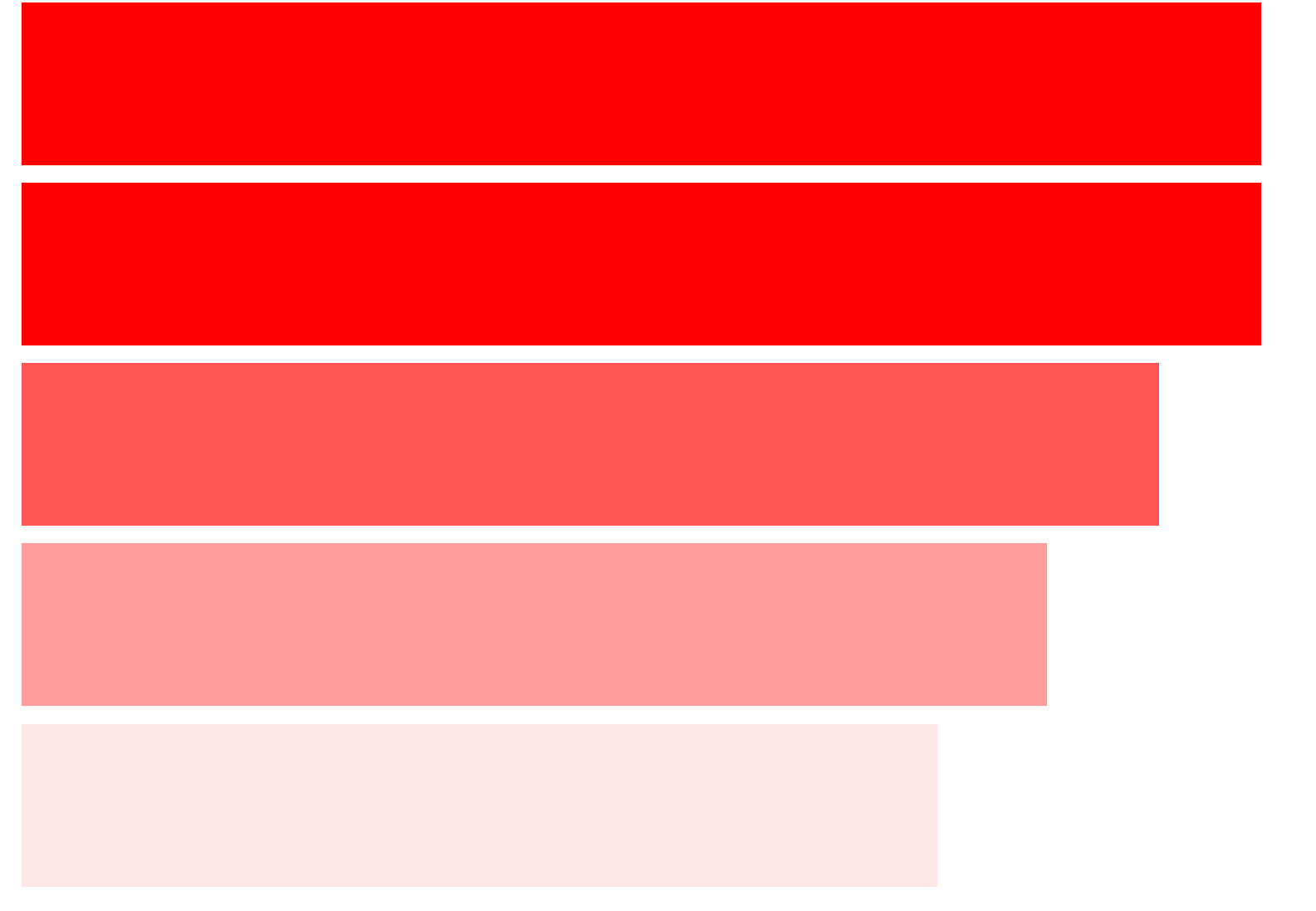
2

3

4

5

log2Enrichment



Re-clustered module 8.8 MF enrichment

Term

intramolecular transferase activity

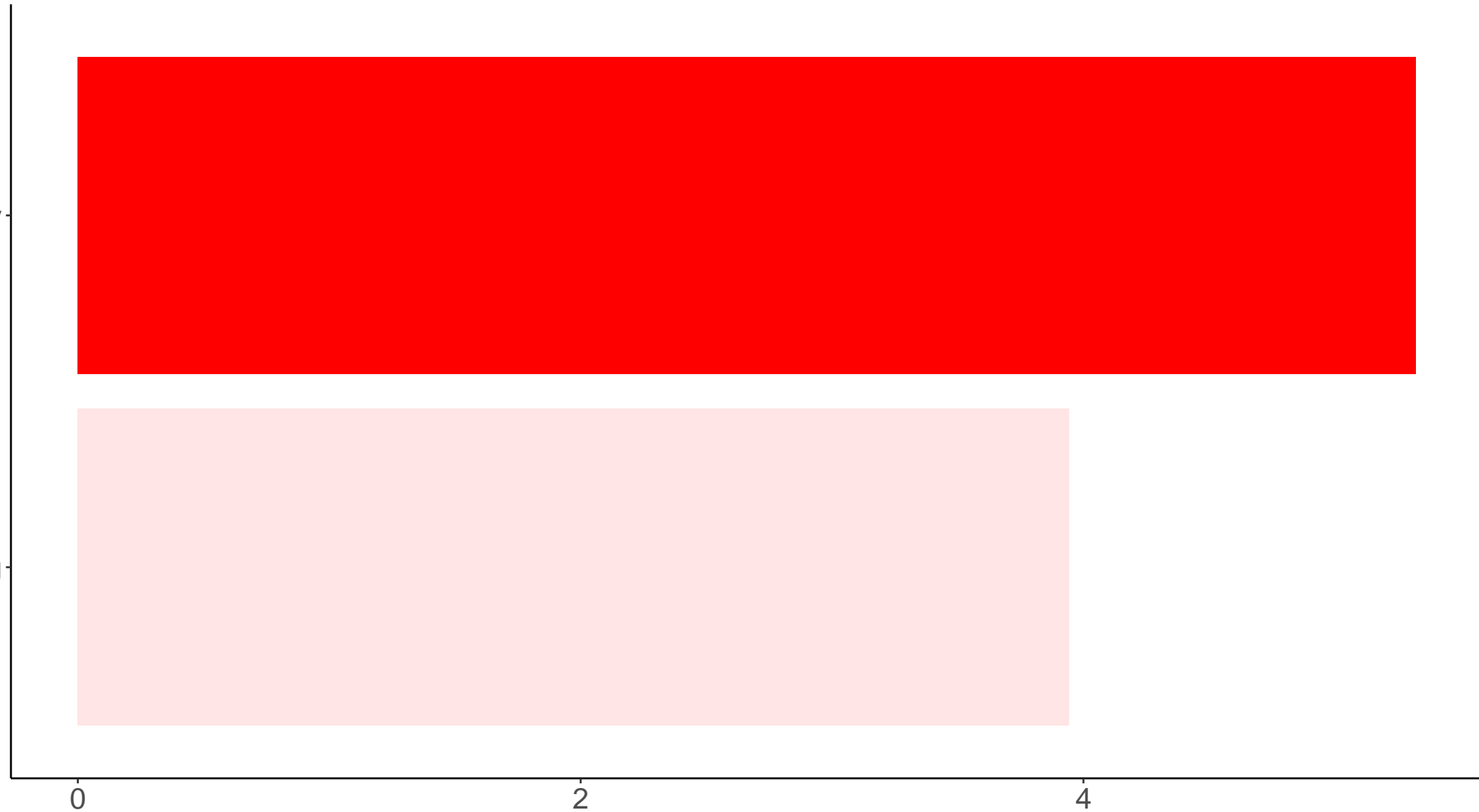
steroid hormone receptor binding

0

2

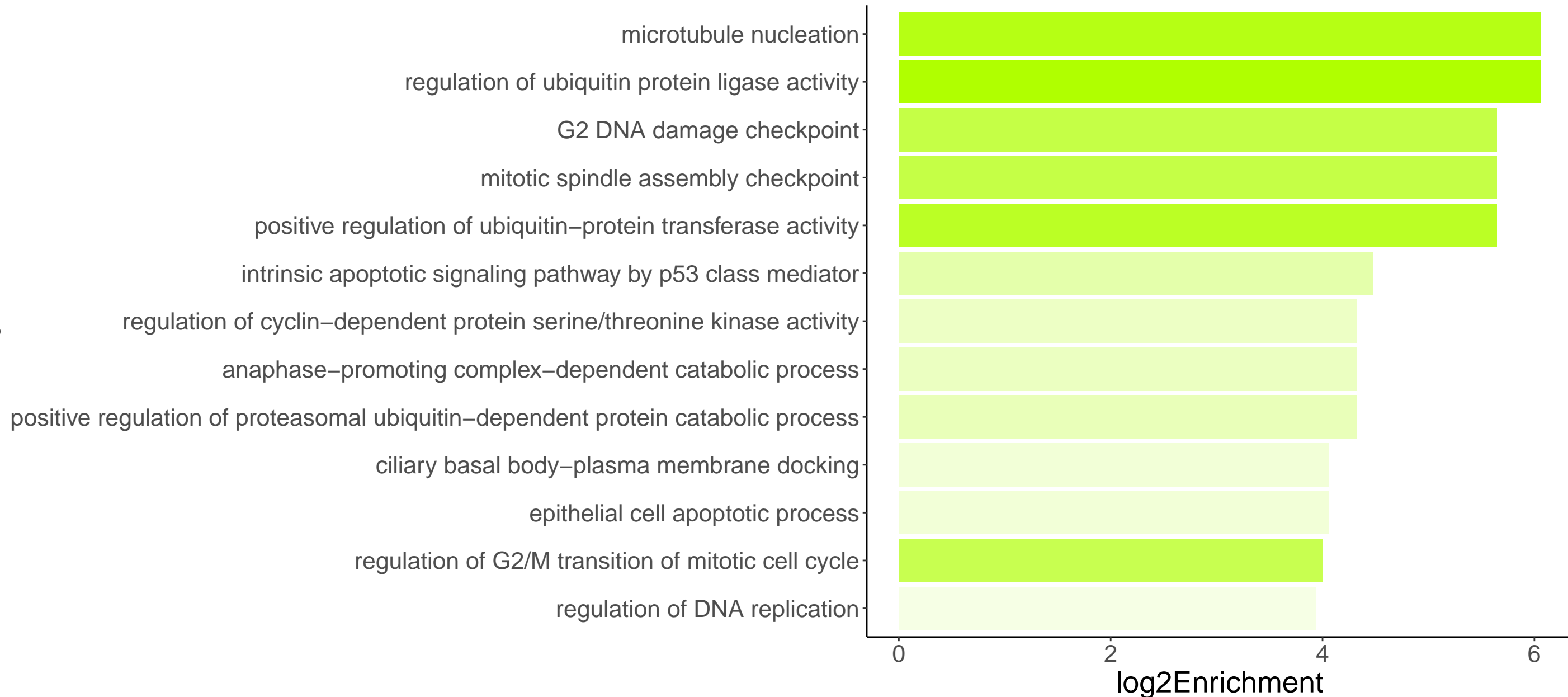
4

log2Enrichment



Re-clustered module 8.9.1 BP enrichment

Term



Re-clustered module 8.9.1 MF enrichment

Term

microtubule binding

0

1

2

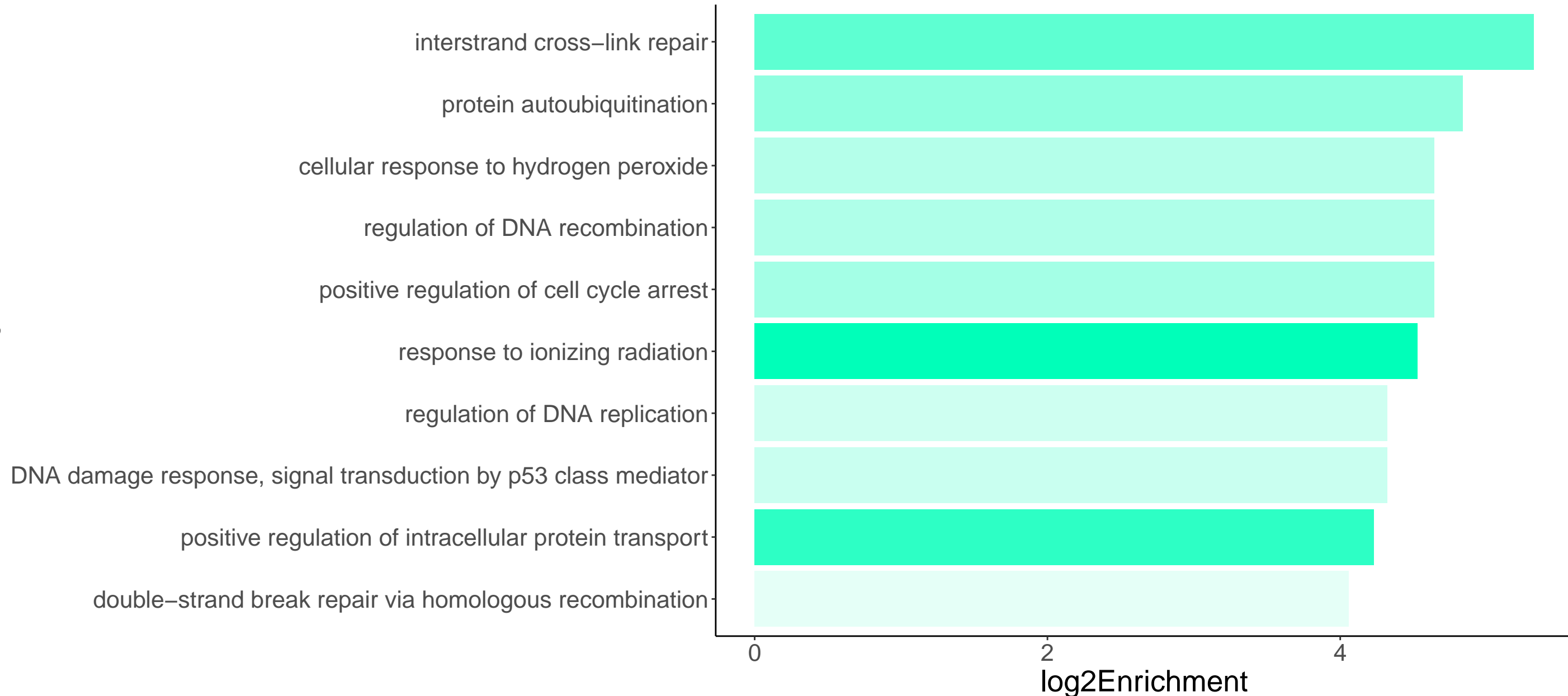
3

log2Enrichment



Re-clustered module 8.9.11 BP enrichment

Term



Re-clustered module 8.9.11 MF enrichment

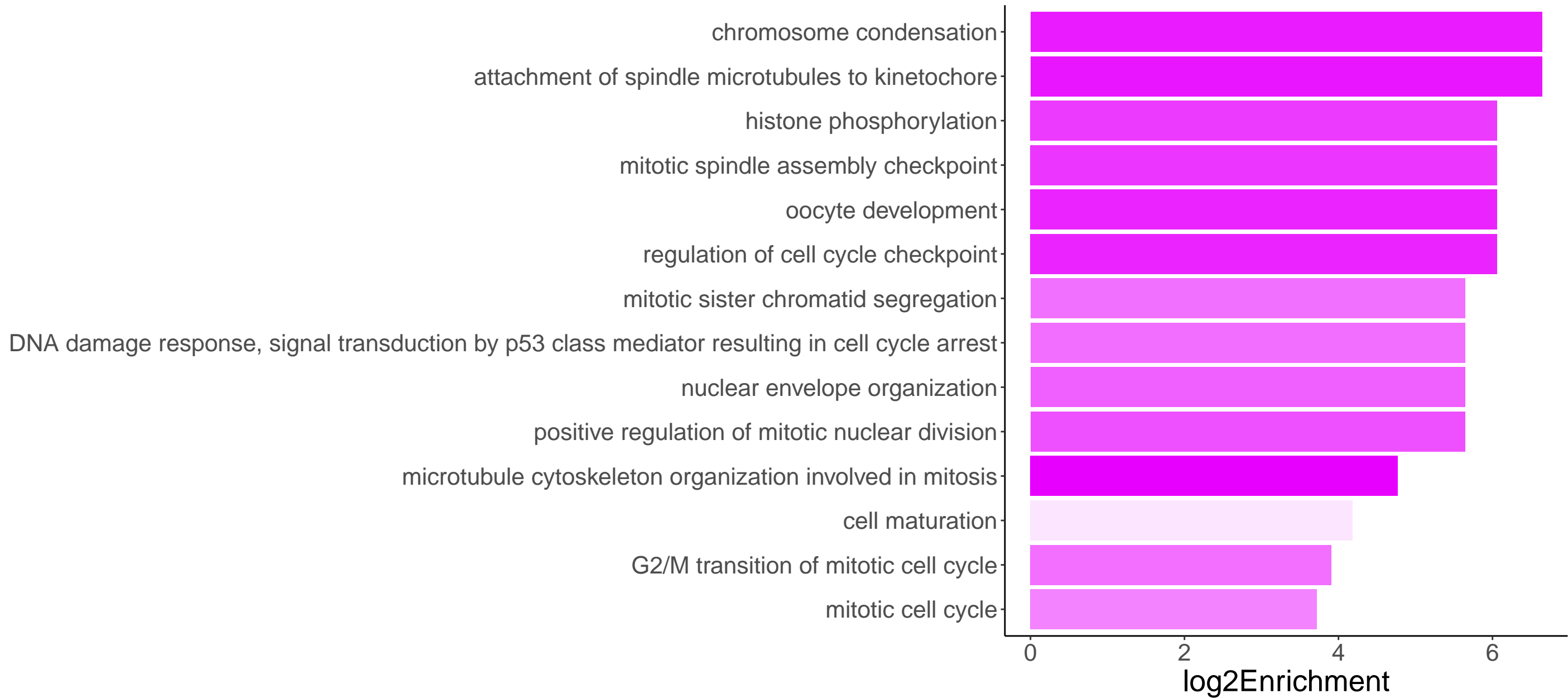
Term

log2Enrichment



Re-clustered module 8.9.3 BP enrichment

Term



Re-clustered module 8.9.3 MF enrichment

Term

protein serine/threonine kinase activator activity

SH3 domain binding

0

2

4

6

log2Enrichment



Re-clustered module 8.9.4 BP enrichment

Term

regulation of synaptic plasticity

0

1

2

3

4

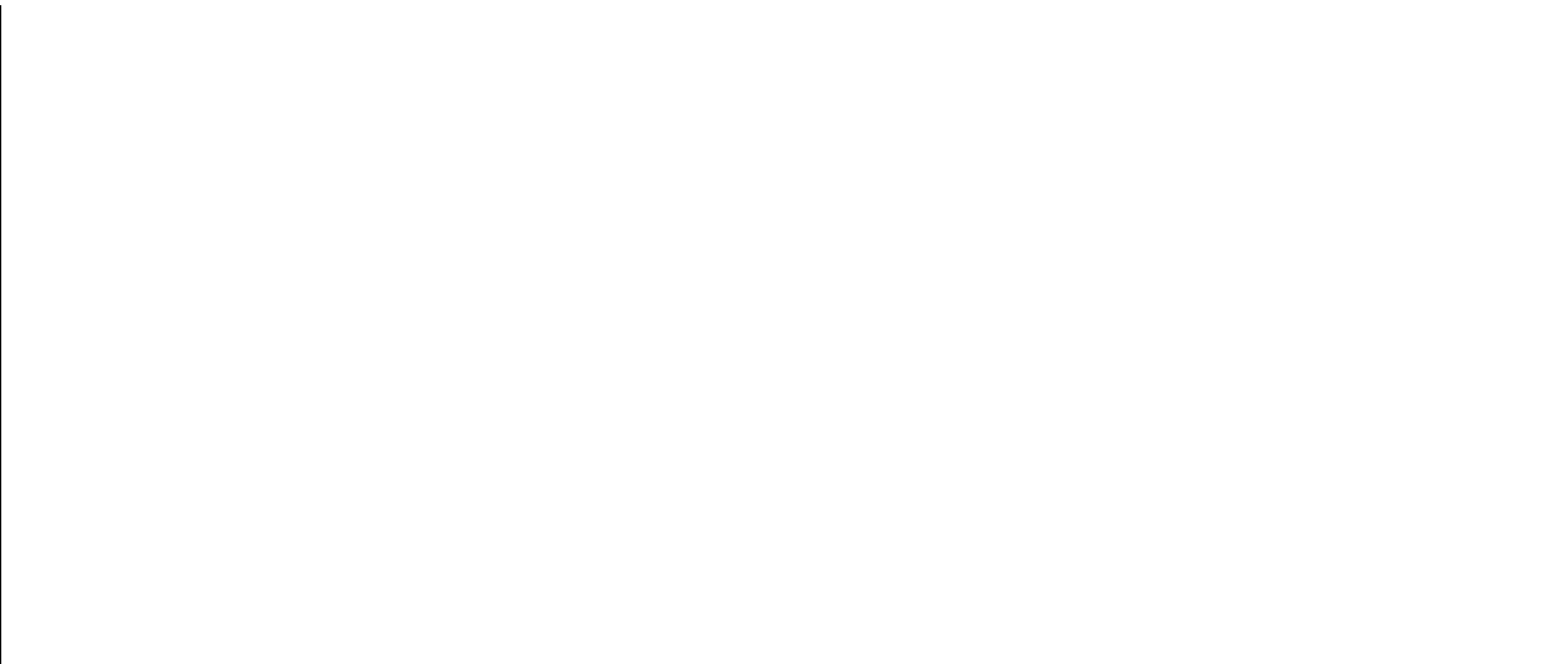
log2Enrichment



Re-clustered module 8.9.4 MF enrichment

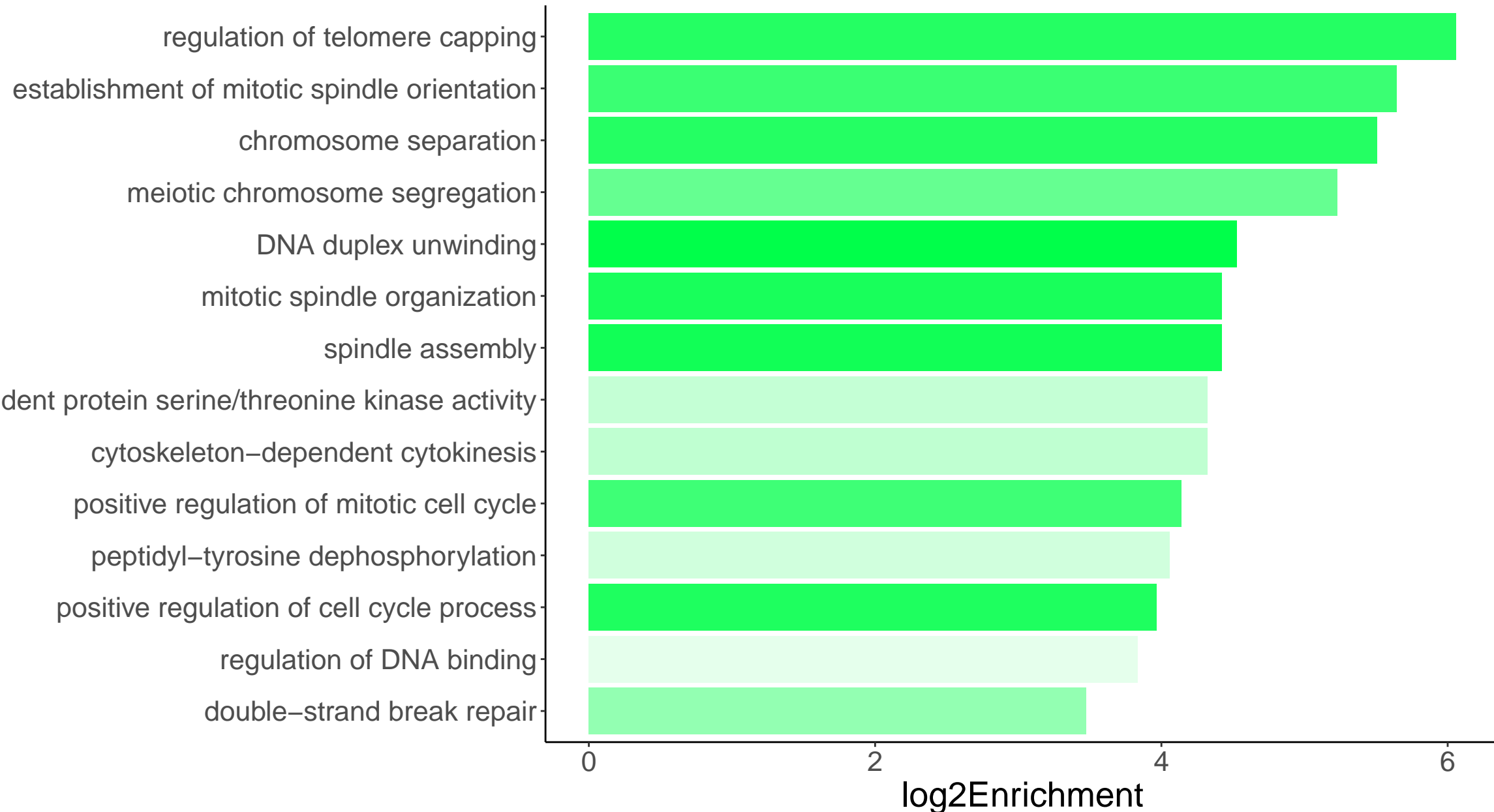
Term

log2Enrichment



Re-clustered module 8.9.5 BP enrichment

Term



Re-clustered module 8.9.5 MF enrichment

Term

DNA helicase activity

protein tyrosine phosphatase activity

chromatin binding

ATP binding

0

1

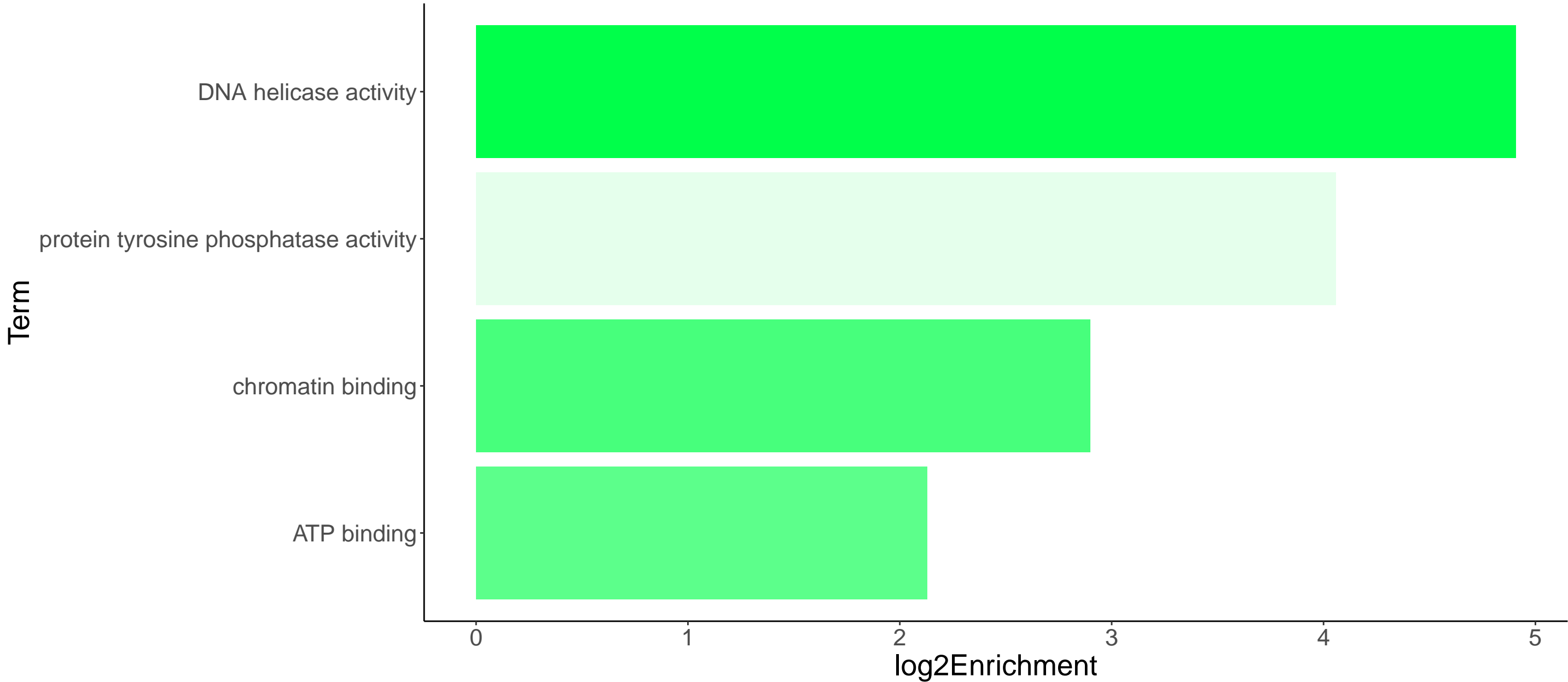
2

3

4

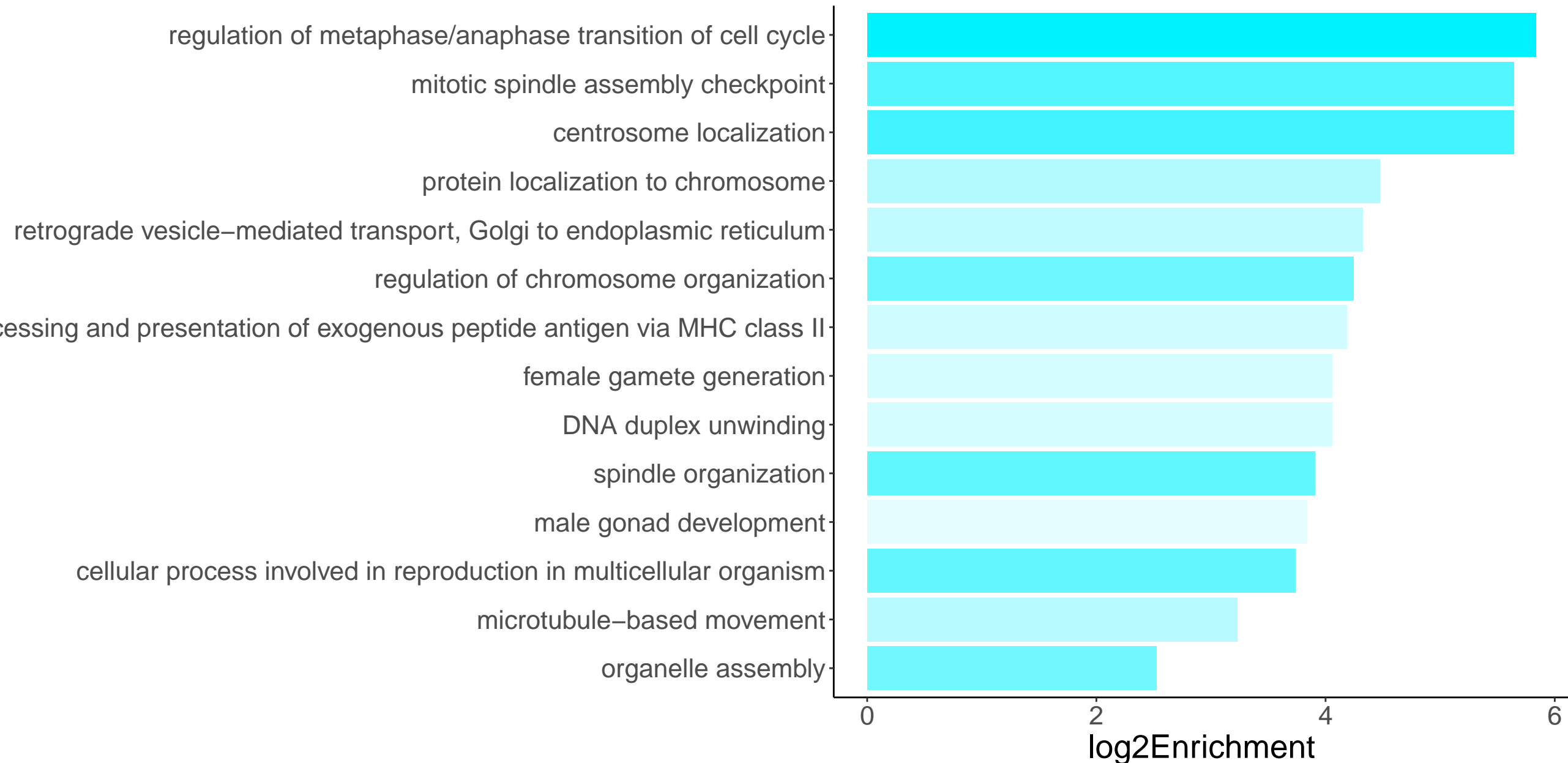
5

log2Enrichment



Re-clustered module 8.9.6 BP enrichment

Term



Re-clustered module 8.9.6 MF enrichment

Term

microtubule motor activity

microtubule binding

protein C-terminus binding

ATPase activity

chromatin binding

0

1

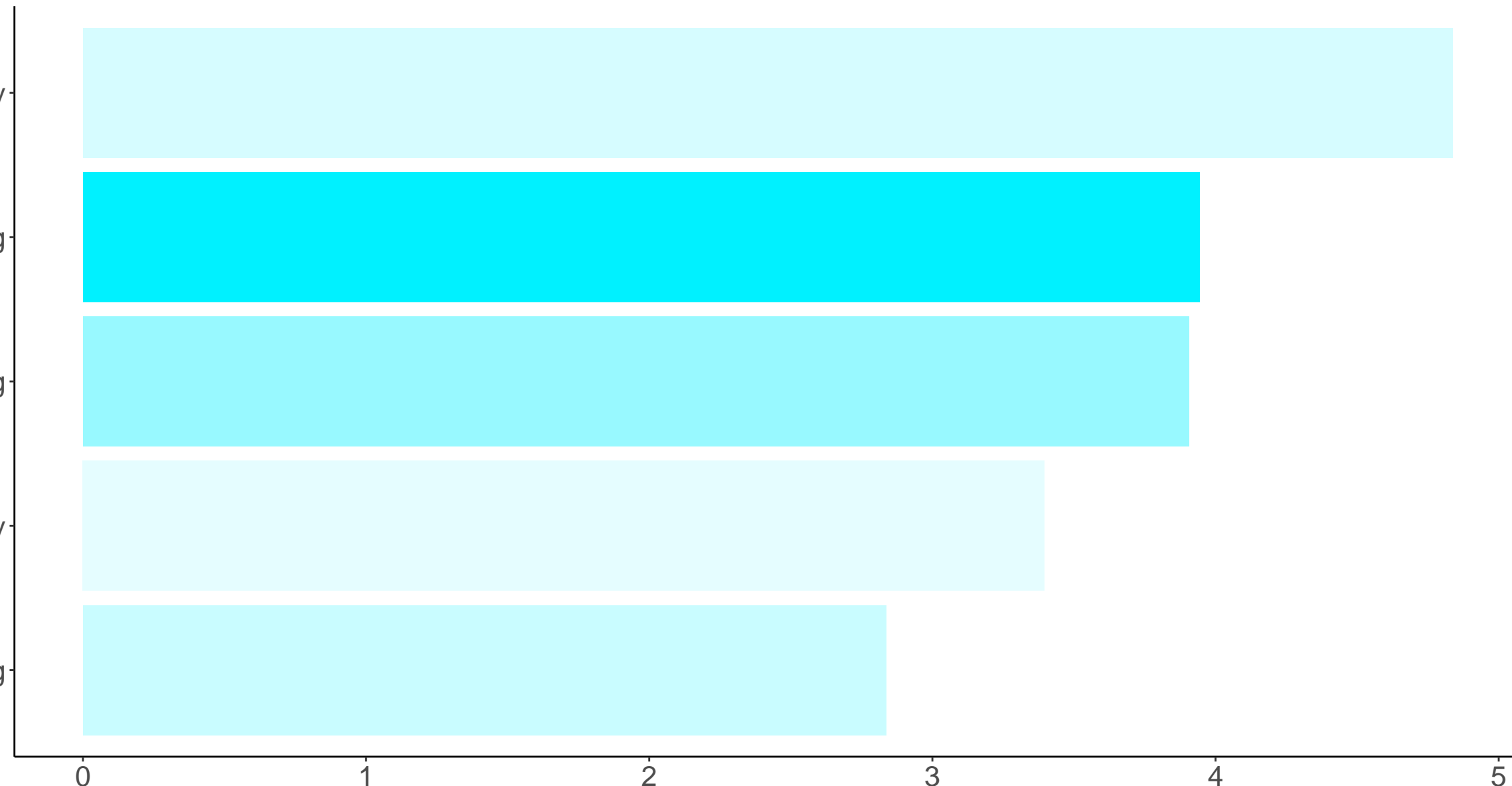
2

3

4

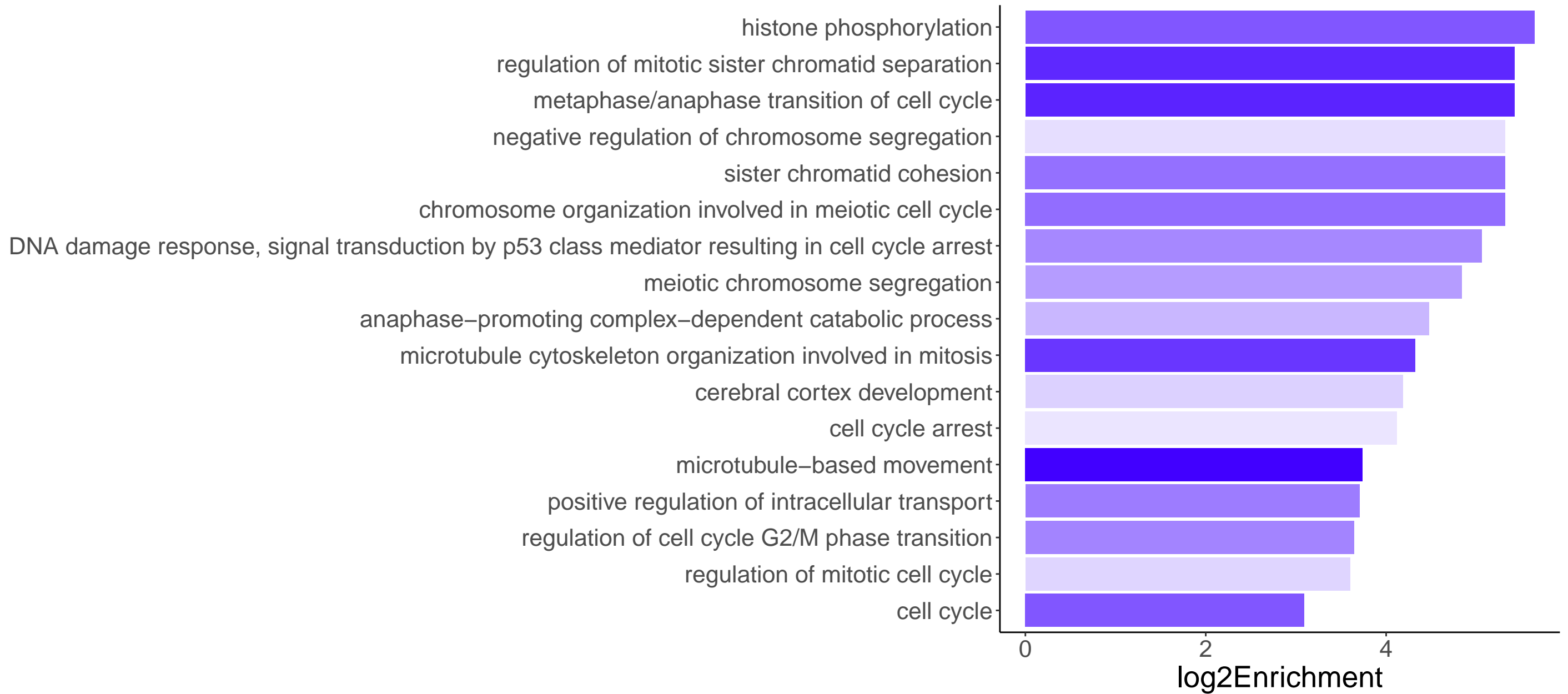
5

log2Enrichment



Re-clustered module 8.9.7 BP enrichment

Term



Re-clustered module 8.9.7 MF enrichment

Term

PDZ domain binding

protein serine/threonine kinase activity

0

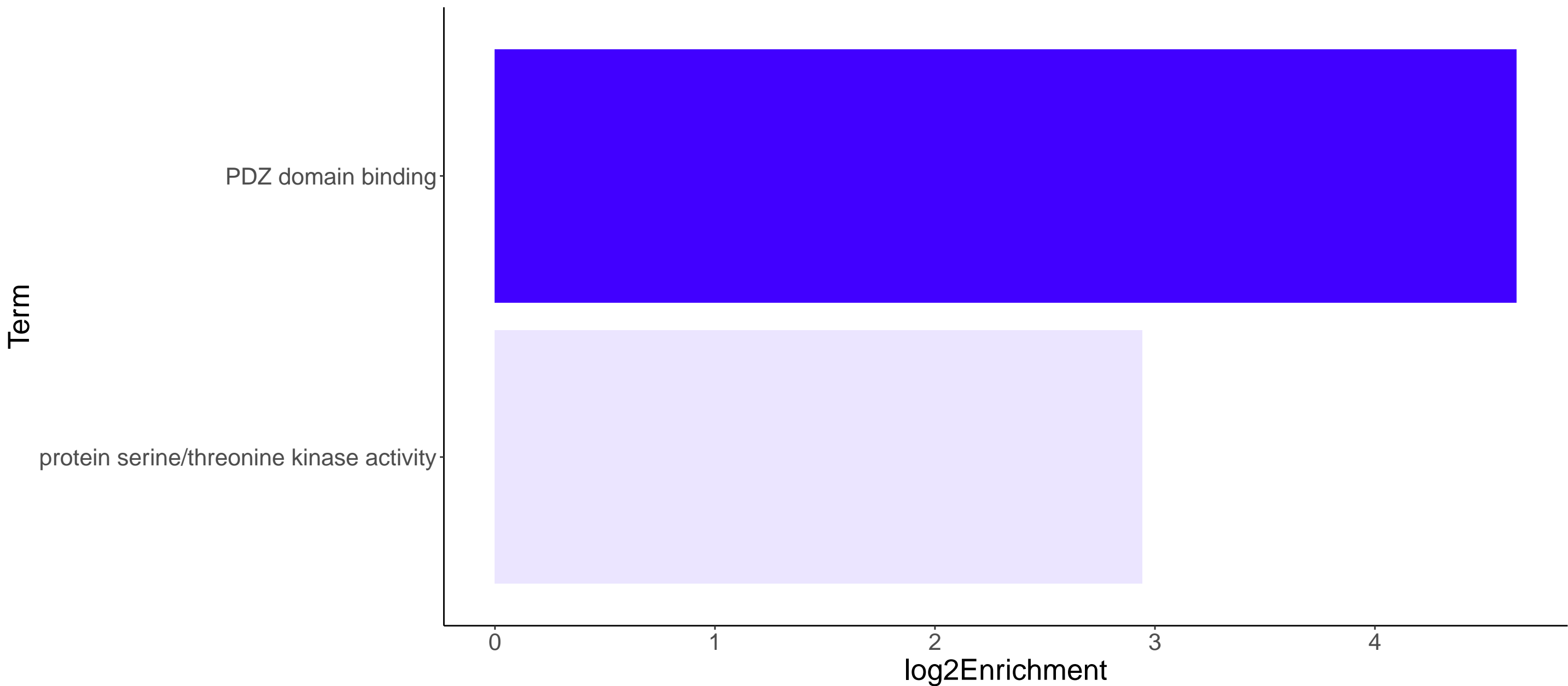
1

2

3

4

log2Enrichment



Re-clustered module 8.9.9 BP enrichment

Term

cortical actin cytoskeleton organization

metaphase plate congression

mitotic spindle organization

mitotic nuclear division

cell division

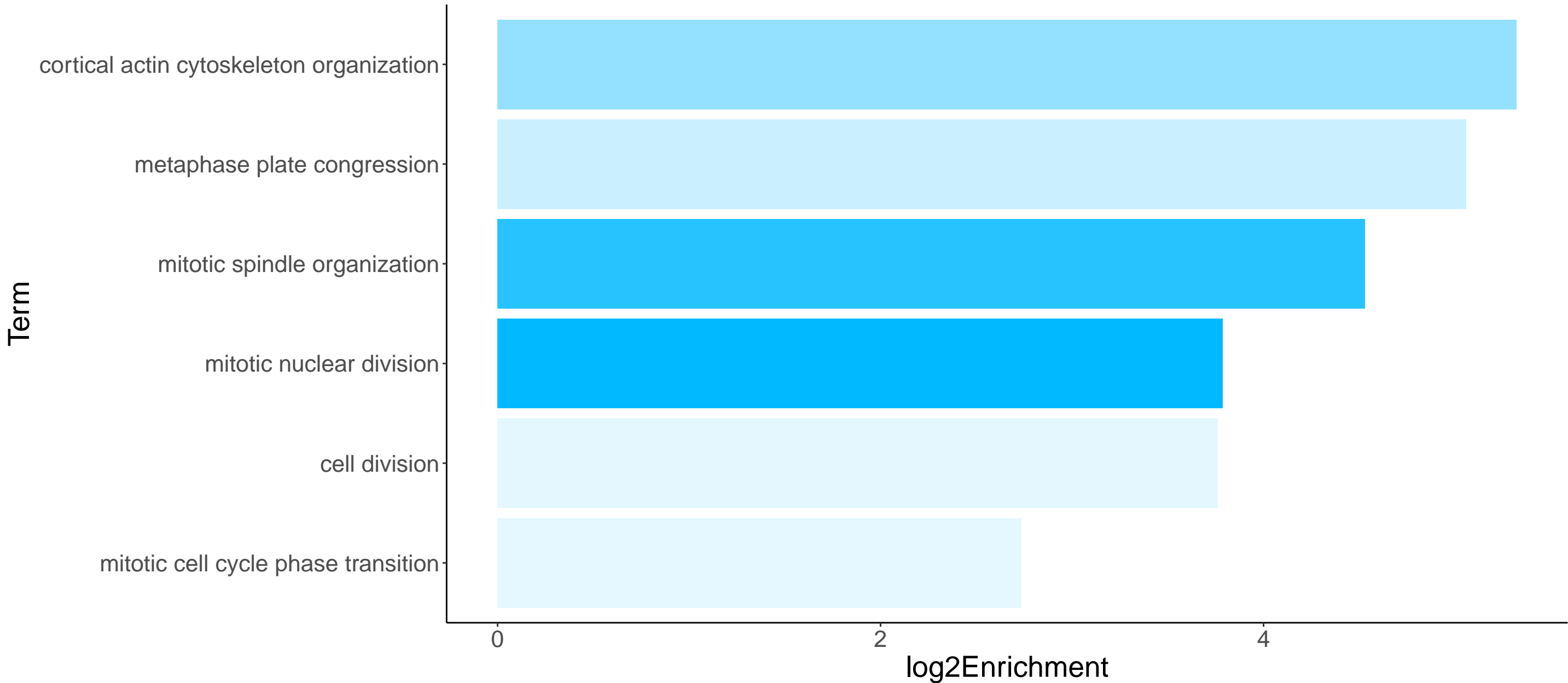
mitotic cell cycle phase transition

0

2

4

log2Enrichment



Re-clustered module 8.9.9 MF enrichment

Term

kinesin binding

microtubule motor activity

Ras GTPase binding

protein kinase binding

0

2

4

log2Enrichment

