

biological_process

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 1/26

0.0

0.5

1.0

1.5

2.0

Functional Enrichment



carbohydrate metabolic process

With CellCycle | With AreaShape | All Genes

Cluster

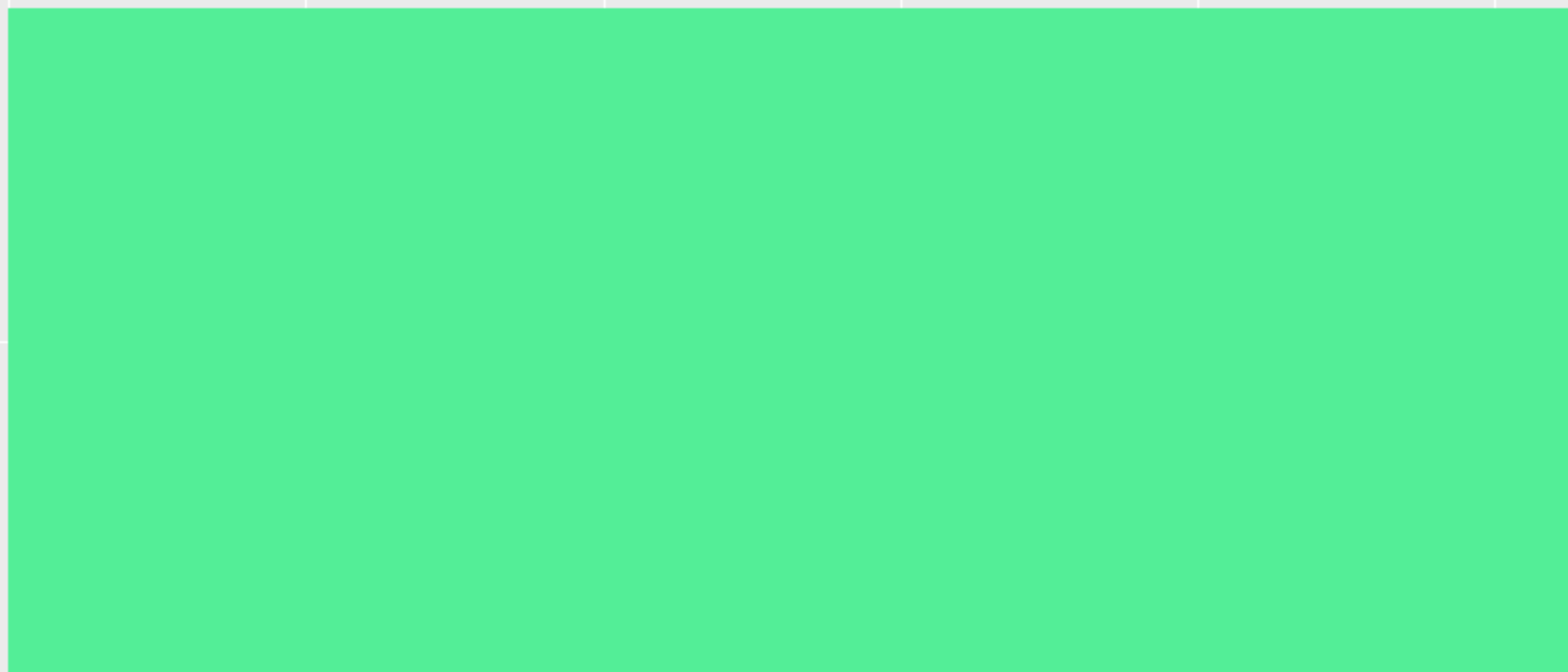
Cluster 28/42

0

1

2

Functional Enrichment



carbohydrate metabolic process

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 29/41

0

1

2

Functional Enrichment



carbohydrate metabolic process

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 12/26

0.0

0.5

1.0

1.5

2.0

2.5

Functional Enrichment



cellular amino acid metabolic process

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 36/42

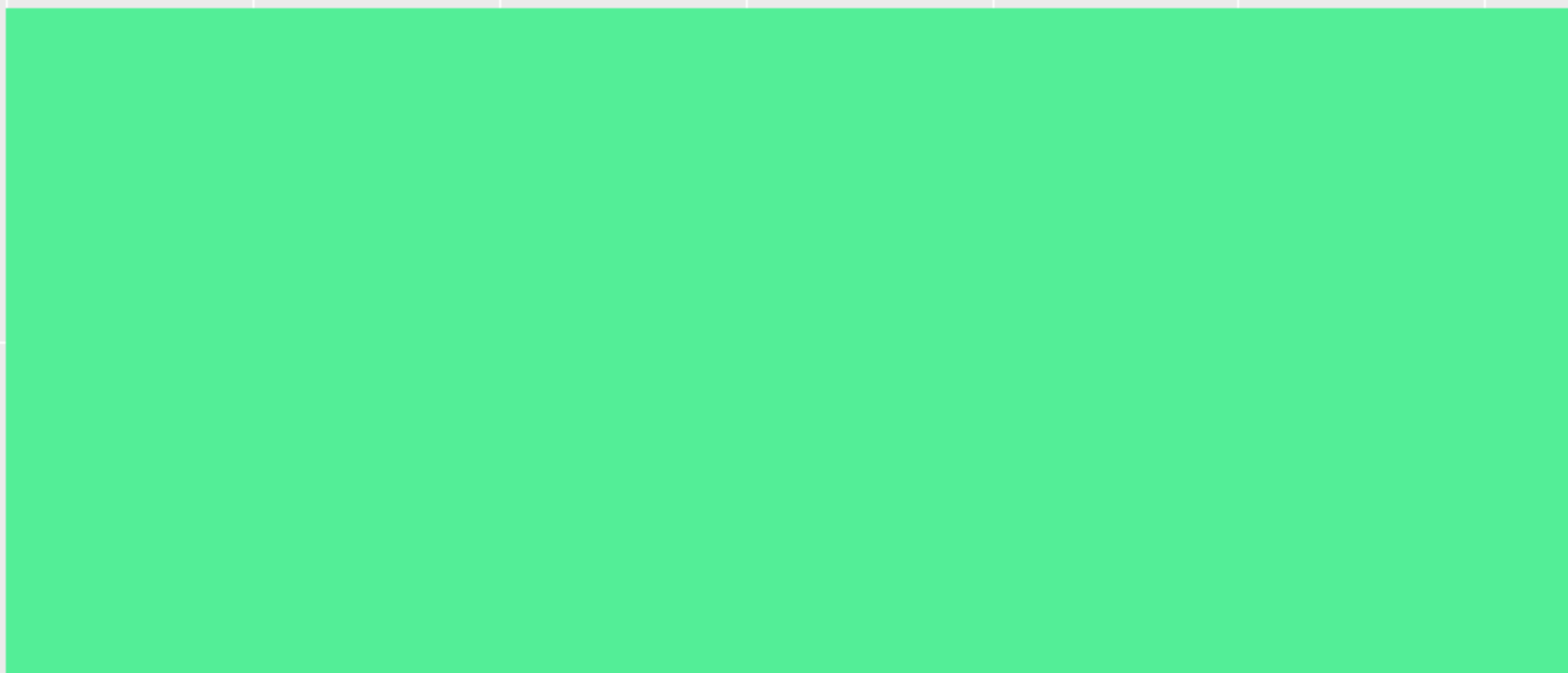
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1

2

3

Functional Enrichment



cellular amino acid metabolic process

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 36/41

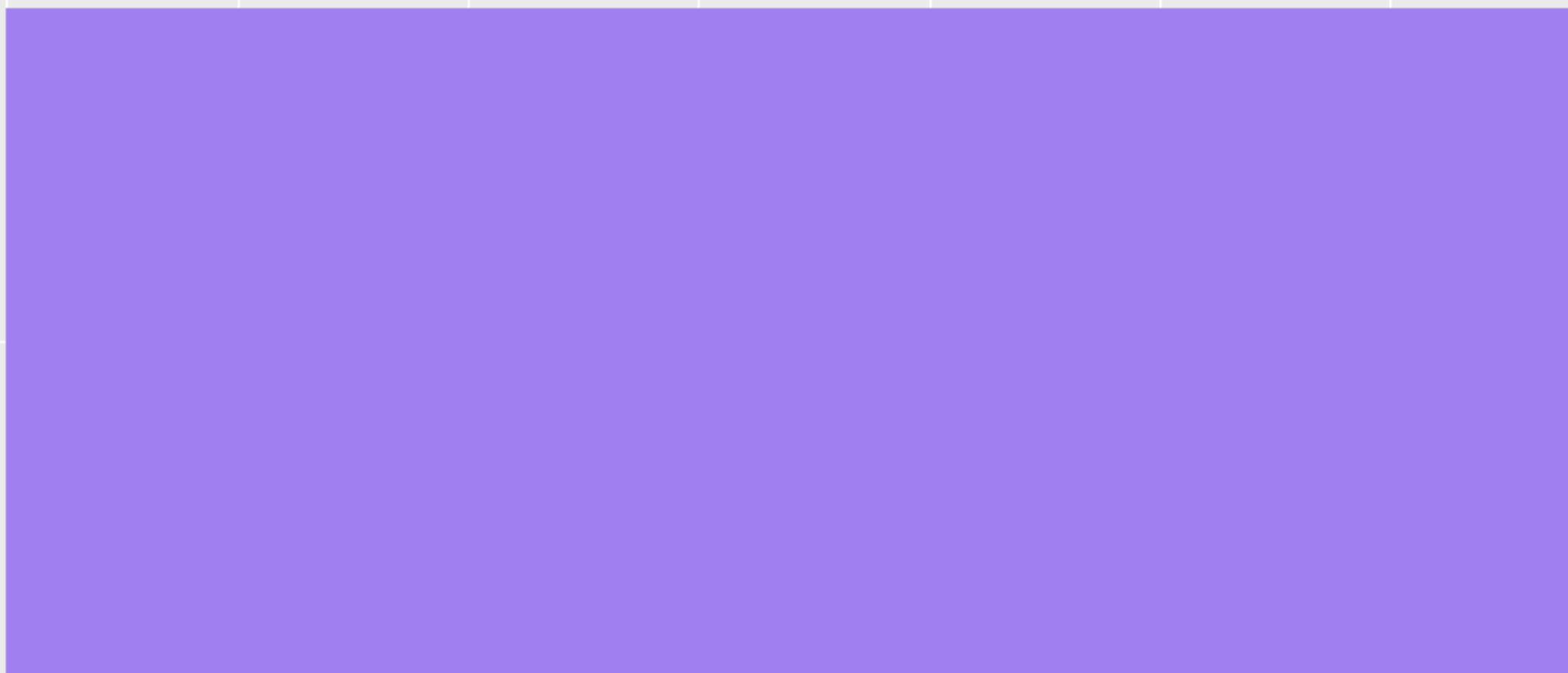
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1

2

3

Functional Enrichment



cellular amino acid metabolic process

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 26/26

0

1

2

3

Functional Enrichment



cellular response to DNA damage stimulus

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 41/42

Cluster 5/42

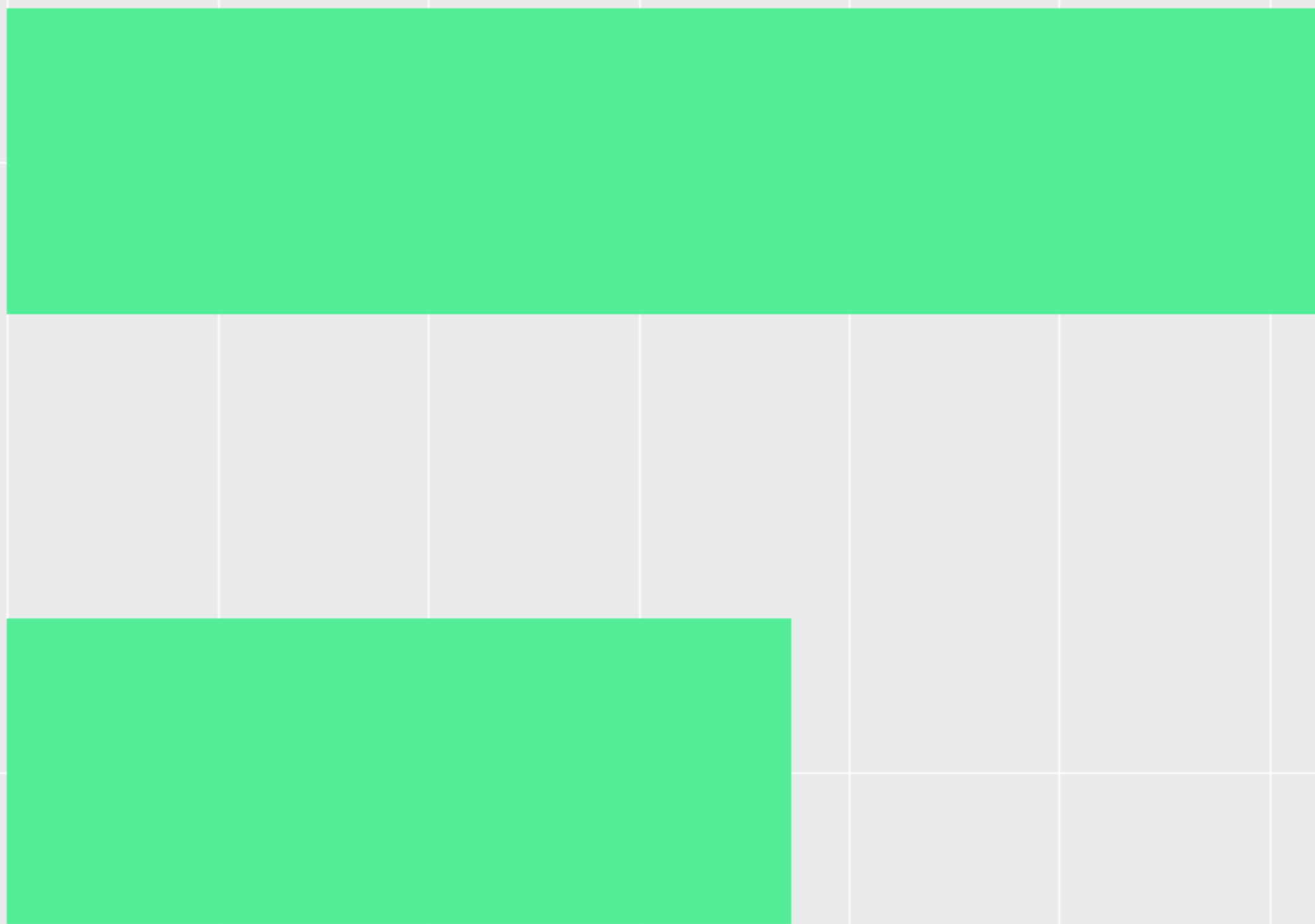
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4

8

12

Functional Enrichment



cellular response to DNA damage stimulus

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 13/24

0

2

4

6

Functional Enrichment



cellular response to DNA damage stimulus

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 40/41

Cluster 2/41

Cluster 36/41

0.0

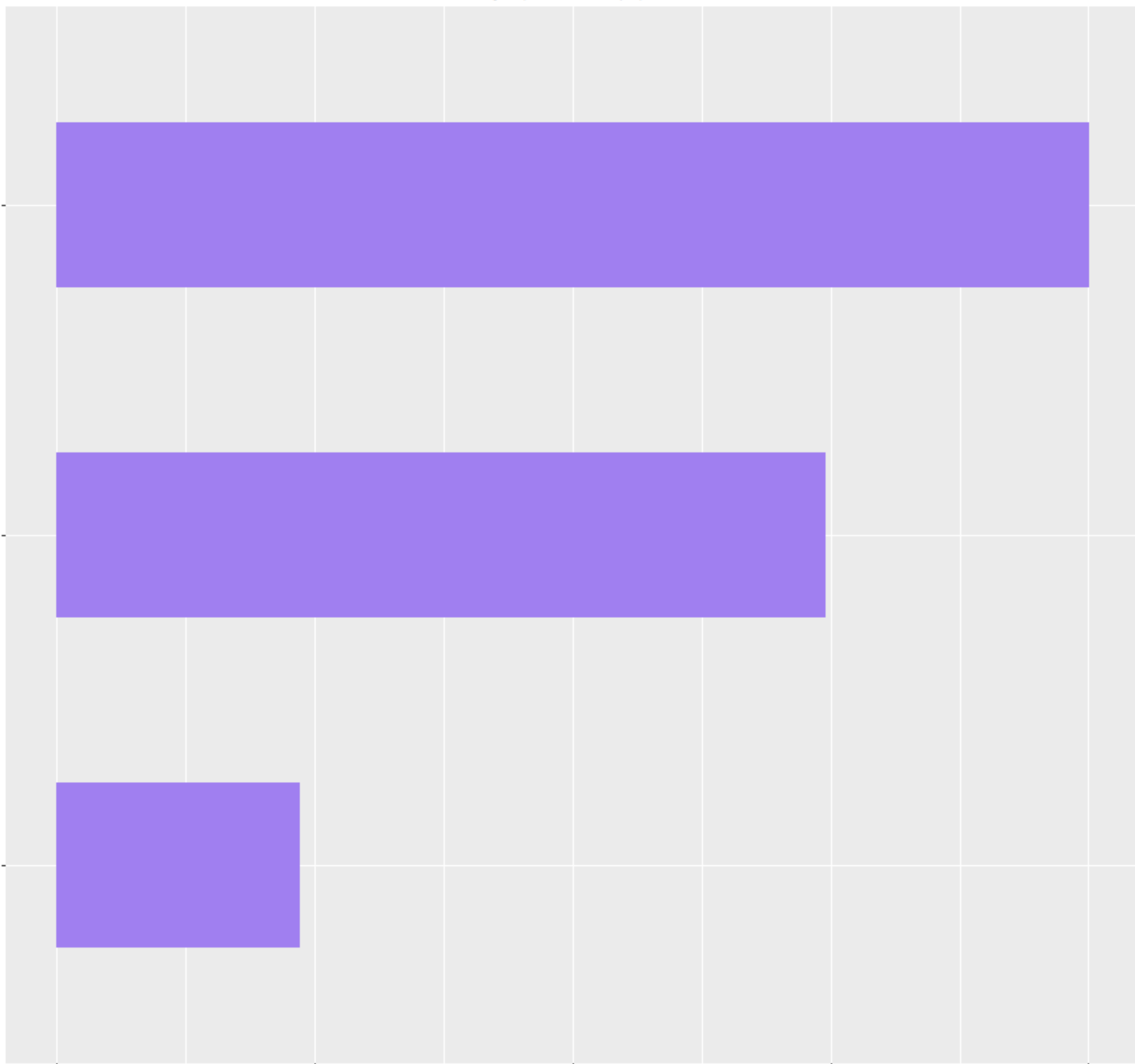
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5.0

7.5

10.0

Functional Enrichment



cellular response to DNA damage stimulus

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 19/26

0.0

2.5

5.0

7.5

10.0

12.5

Functional Enrichment



chromatin organization

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 5/42

Cluster 40/42

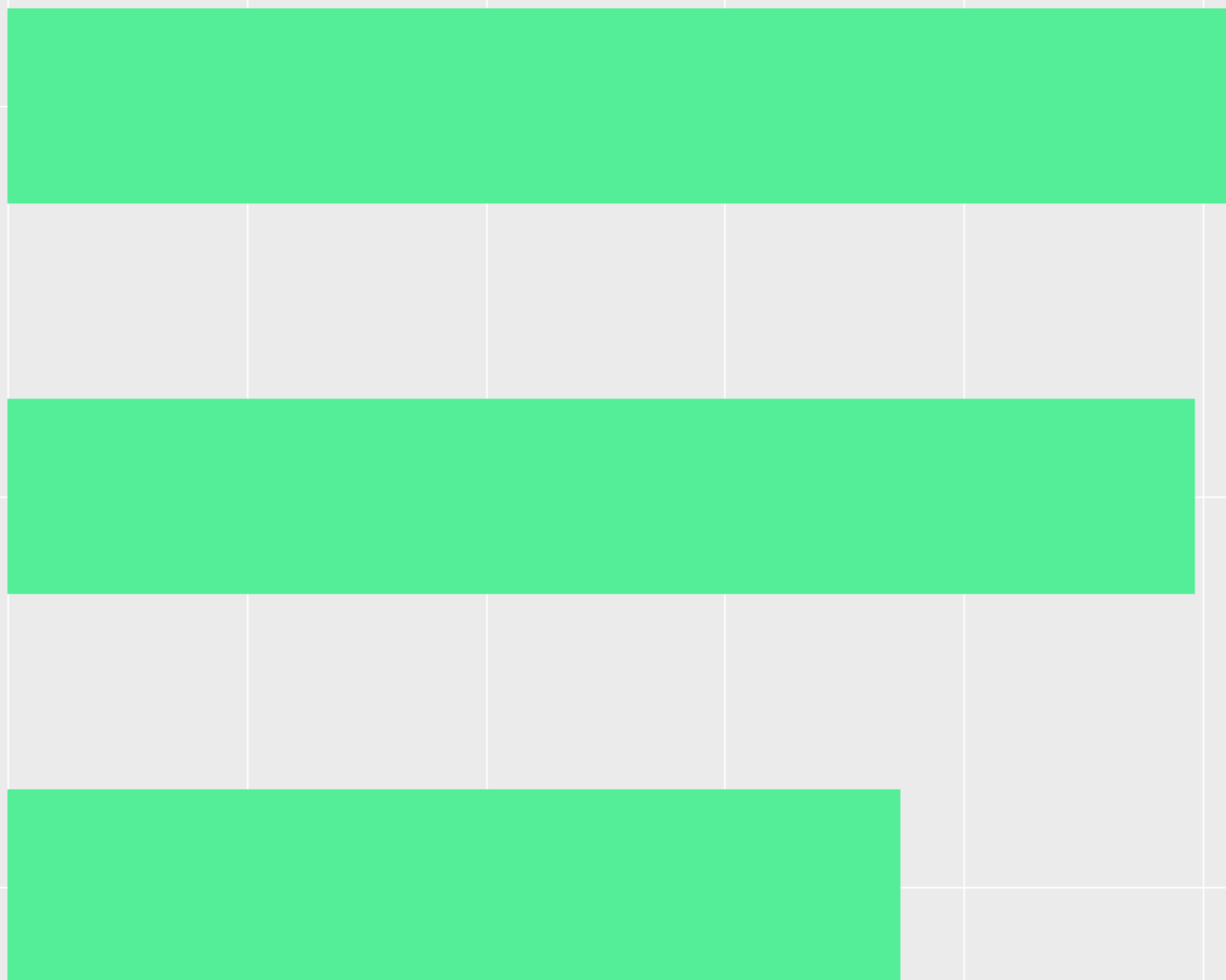
Cluster 27/42

0

1

2

Functional Enrichment



chromatin organization

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 41/41

Cluster 2/41

Cluster 26/41

Cluster 11/41

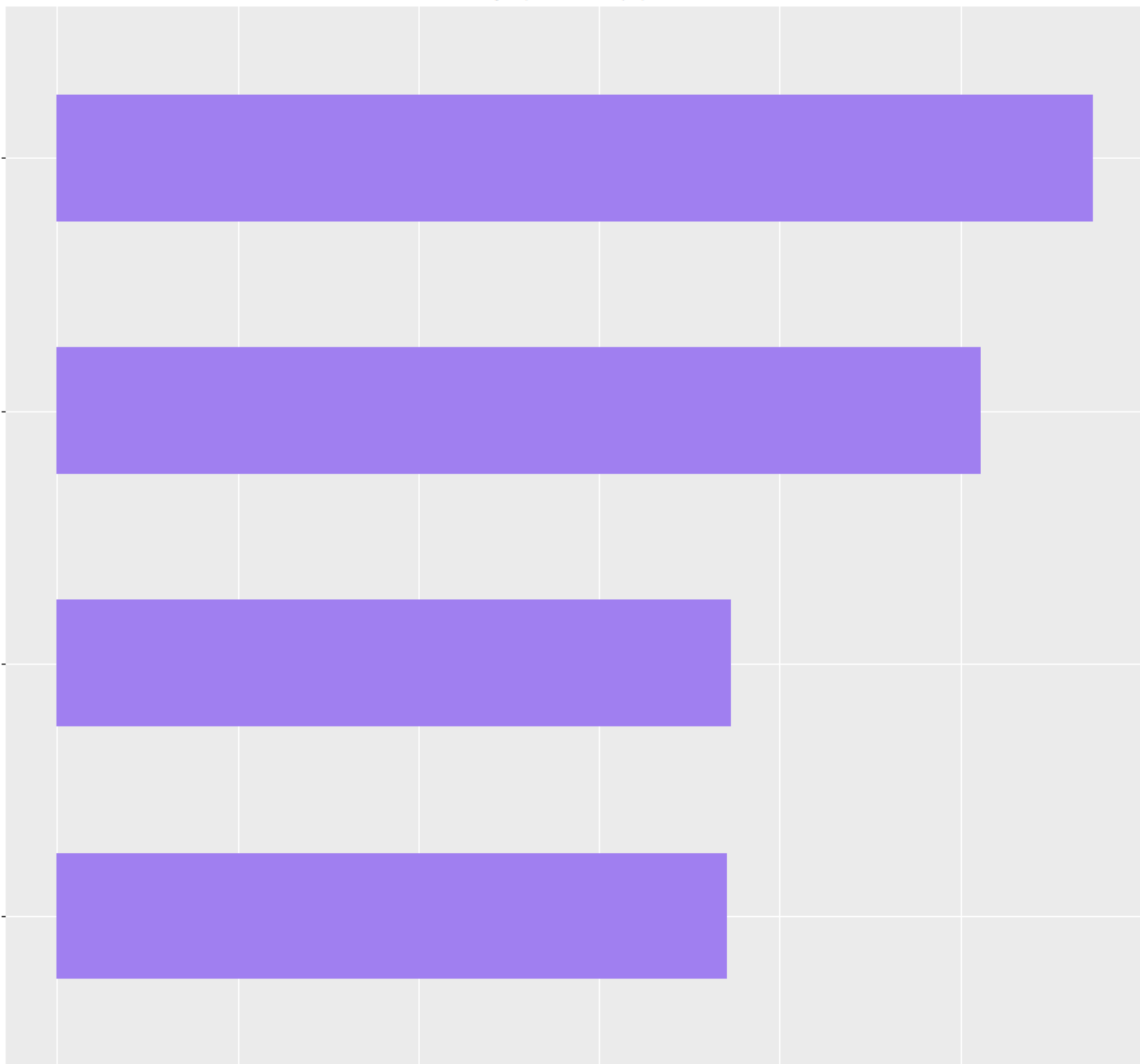
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1

2

3

Functional Enrichment



chromatin organization

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 14/26

Cluster 12/26

Cluster 11/26

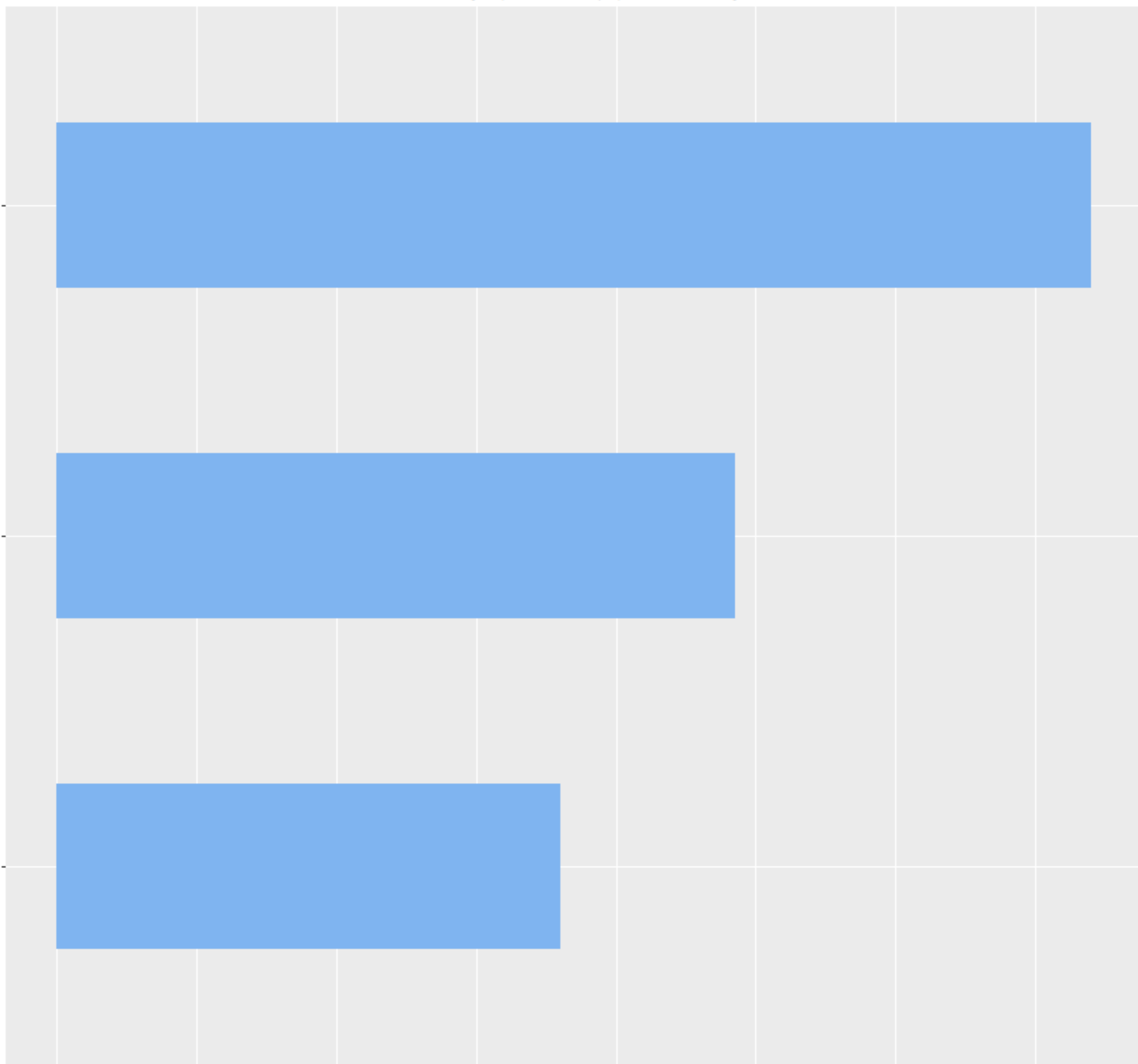
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1

2

3

Functional Enrichment



chromosome segregation

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 5/42

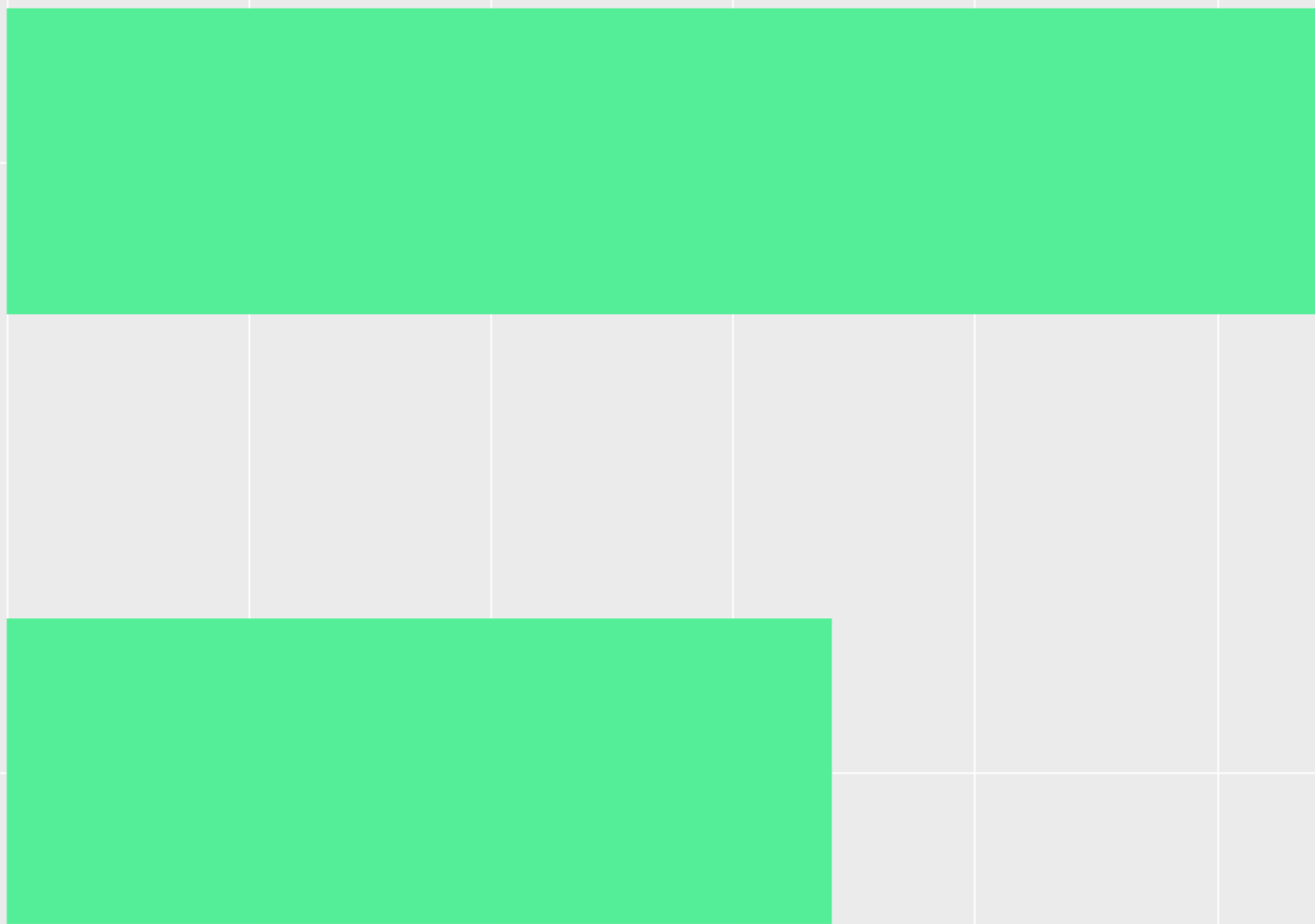
Cluster 41/42

0

5

10

Functional Enrichment



chromosome segregation

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 13/24

0

5

10

Functional Enrichment



chromosome segregation

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 2/41

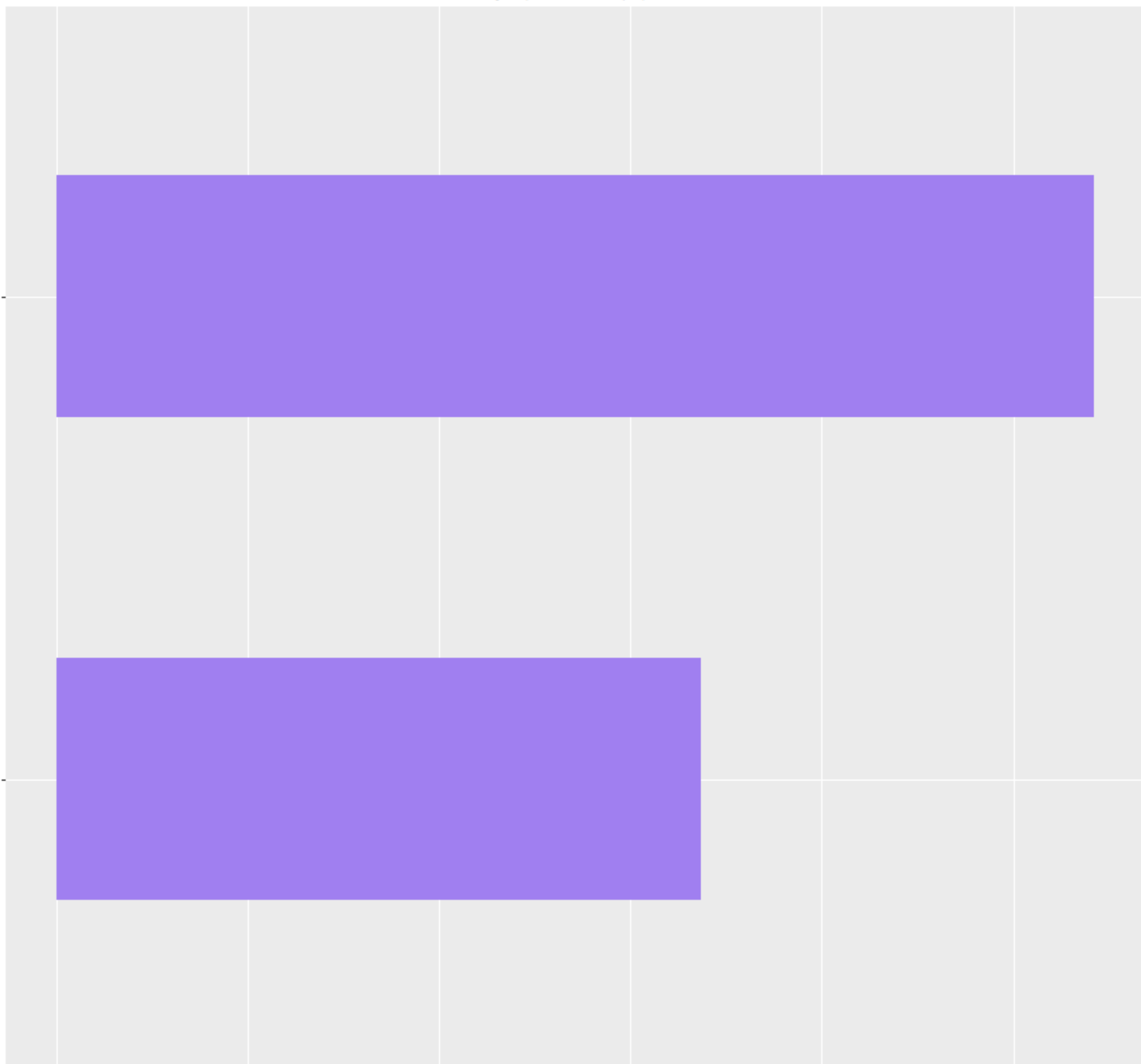
Cluster 40/41

0

5

10

Functional Enrichment



chromosome segregation

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 19/26

0.0

2.5

5.0

7.5

Functional Enrichment



cofactor metabolic process
With CellCycle | With AreaShape | All Genes

Cluster

Cluster 28/42

0

1

2

3

4

5

Functional Enrichment

cofactor metabolic process

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 29/41

0

1

2

3

4

5

Functional Enrichment

cofactor metabolic process

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 12/26

0

1

2

3

4

Functional Enrichment



cytokinesis

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 11/42

Cluster 38/42

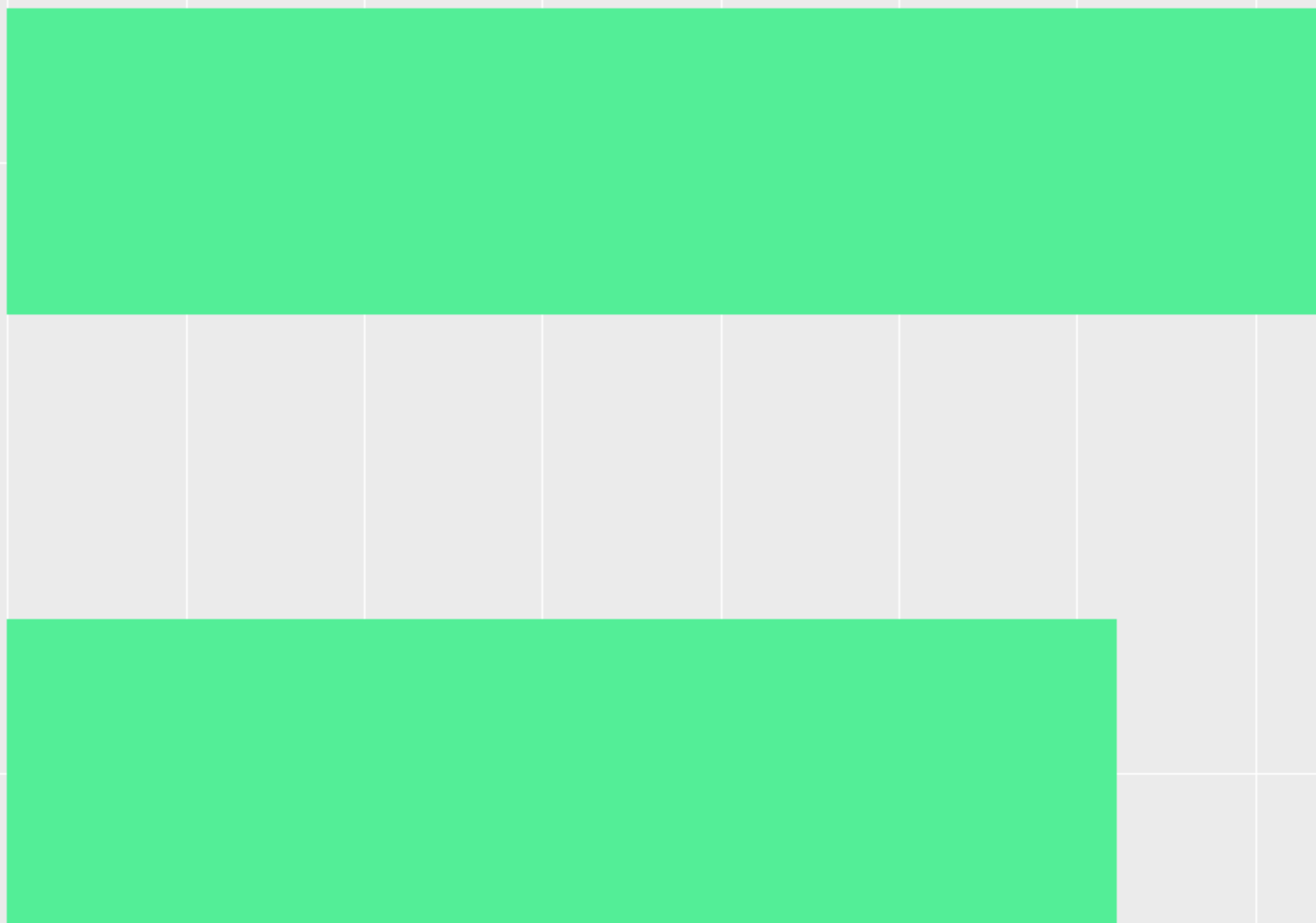
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3

6

9

Functional Enrichment



cytokinesis

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 19/24

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2.5

5.0

7.5

10.0

Functional Enrichment



cytokinesis

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 10/41

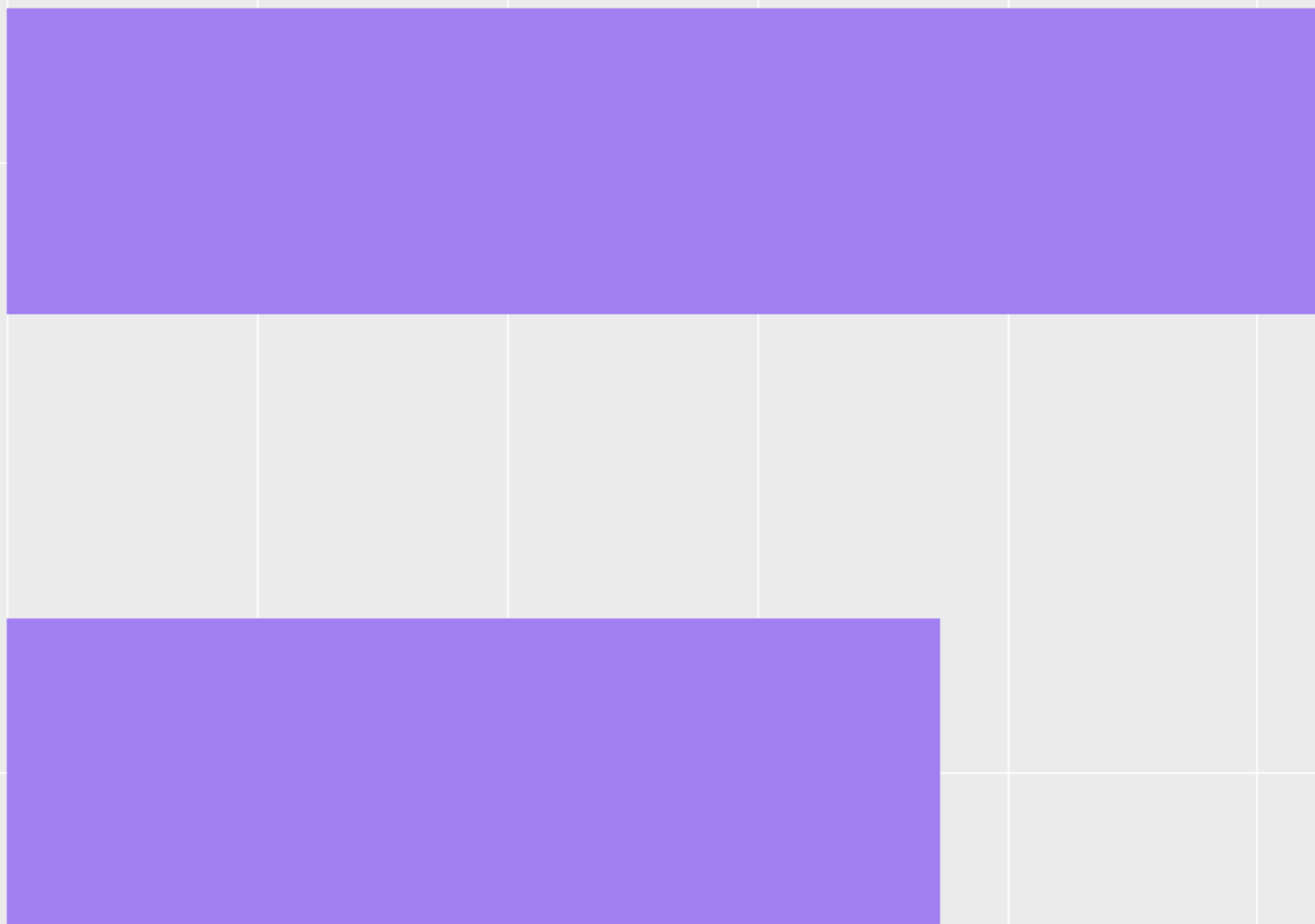
Cluster 37/41

0

5

10

Functional Enrichment



cytokinesis

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 18/26

0

2

4

6

8

Functional Enrichment



cytoplasmic translation

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 25/42

Cluster 29/42

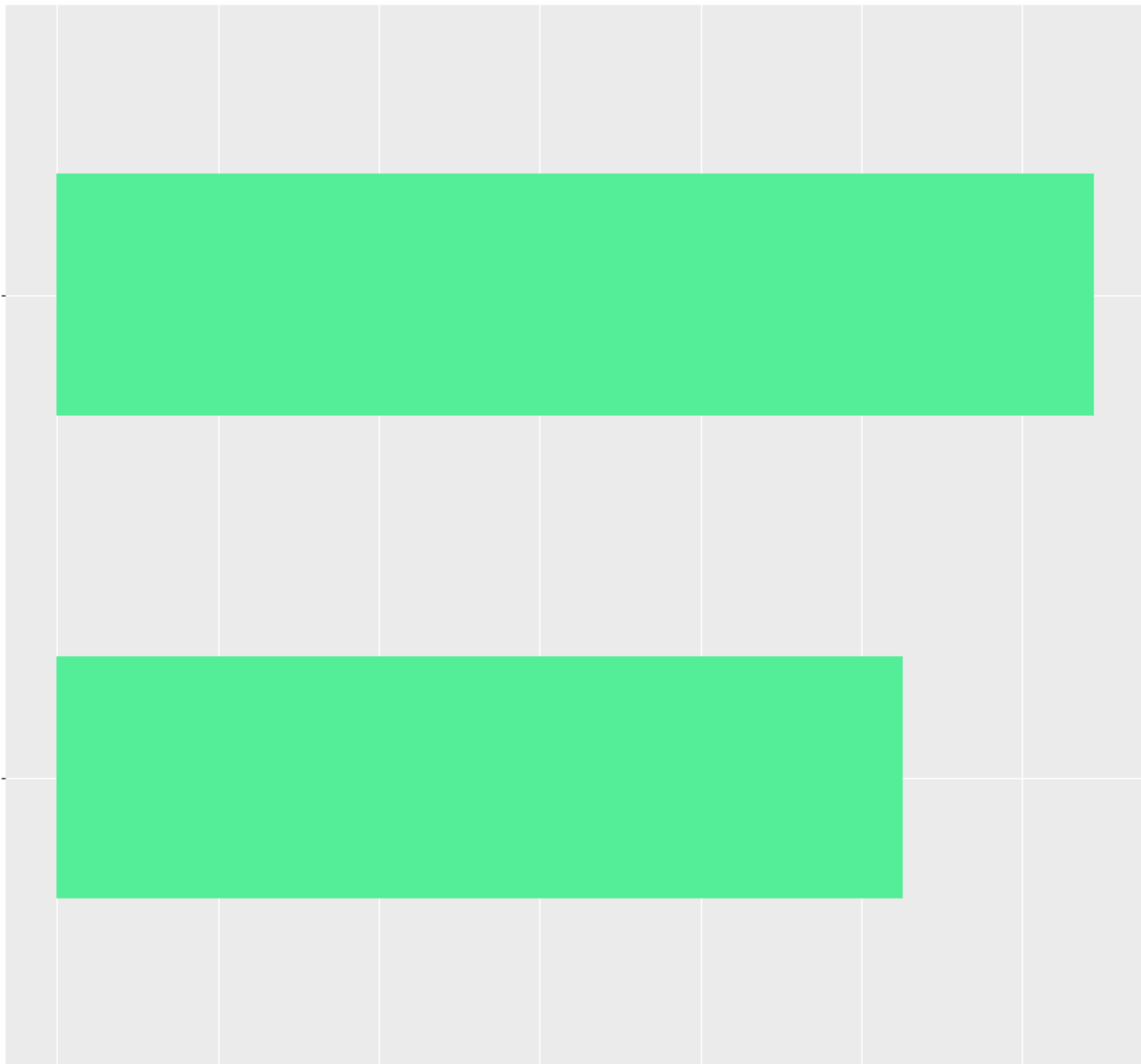
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3

Functional Enrichment



cytoplasmic translation

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 22/41

Cluster 30/41

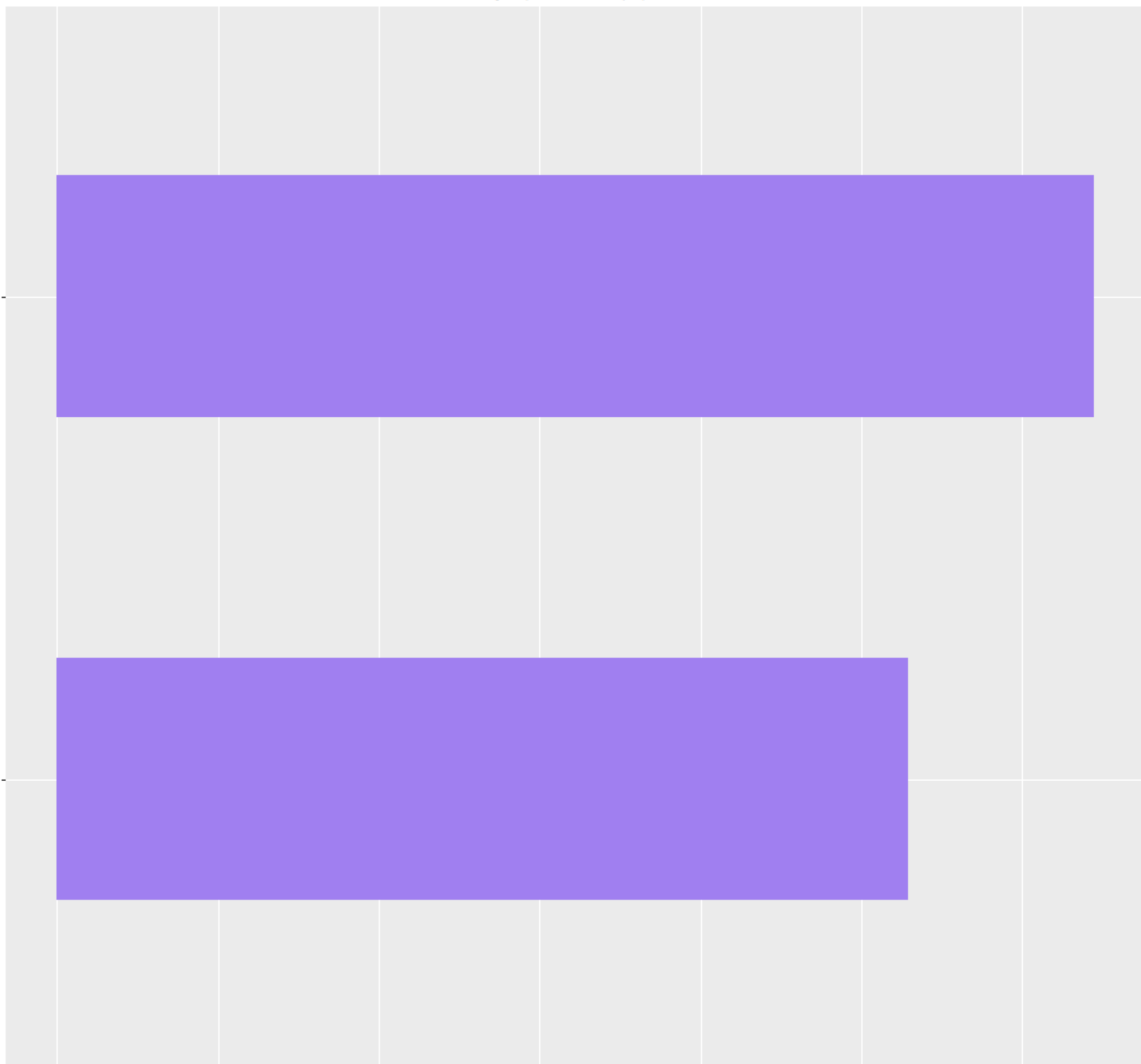
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3

Functional Enrichment



cytoplasmic translation

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 24/26

Cluster 5/26

Cluster 13/26

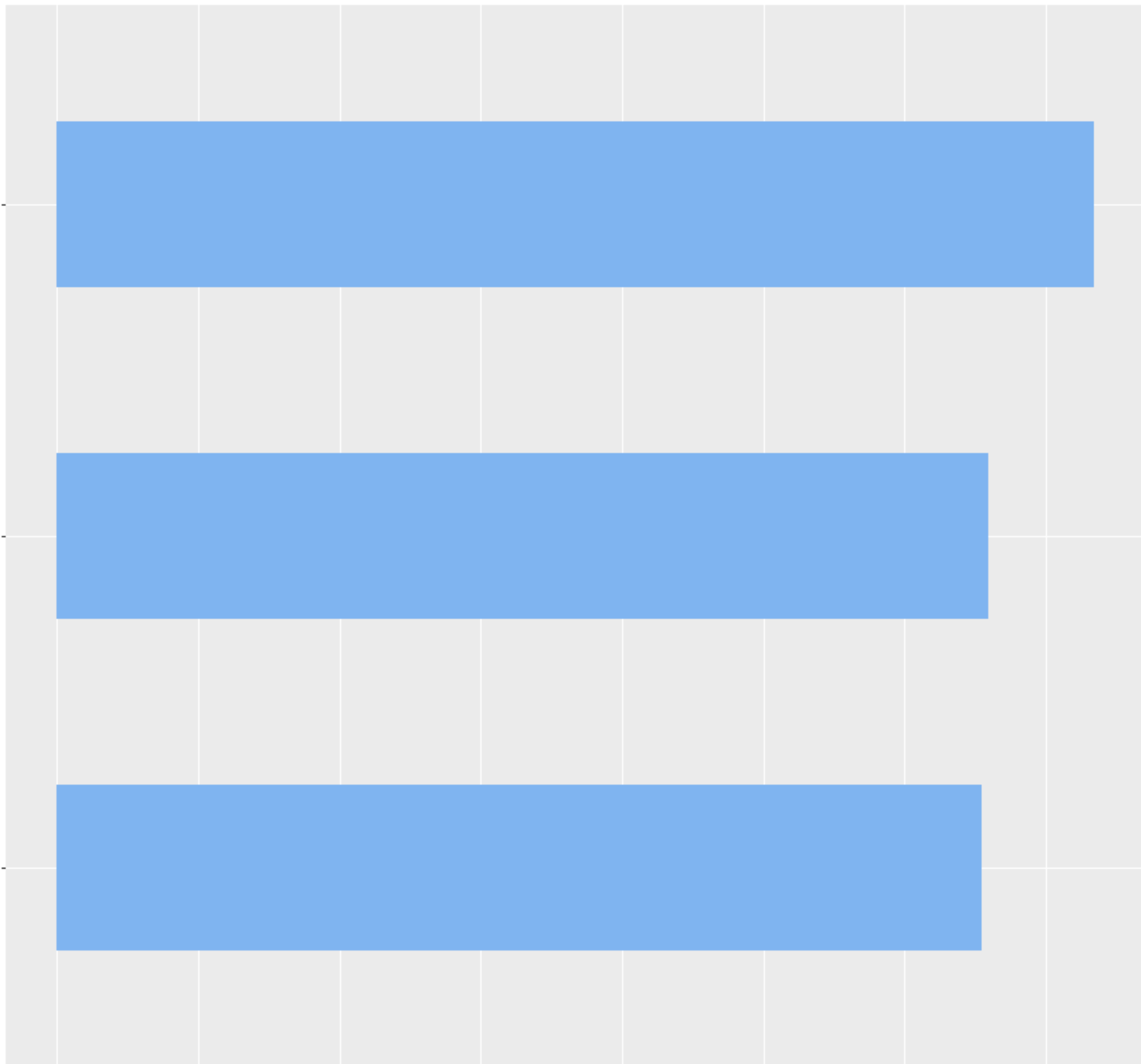
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1

2

3

Functional Enrichment



cytoskeleton organization

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 11/42

Cluster 5/42

Cluster 40/42

Cluster 8/42

Cluster 14/42

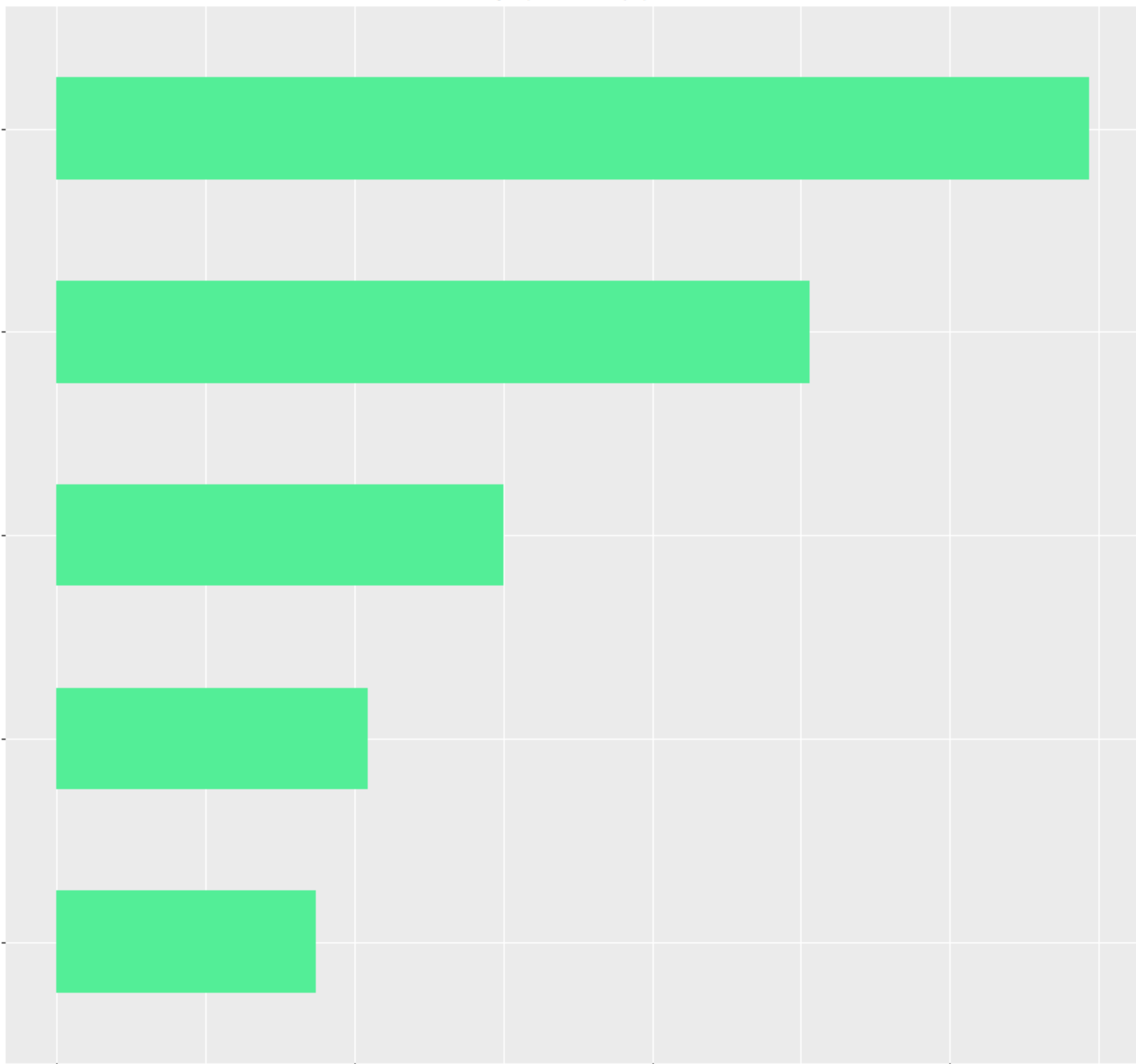
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Functional Enrichment



cytoskeleton organization

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 19/24

Cluster 13/24

Cluster 17/24

Cluster 22/24

0.0

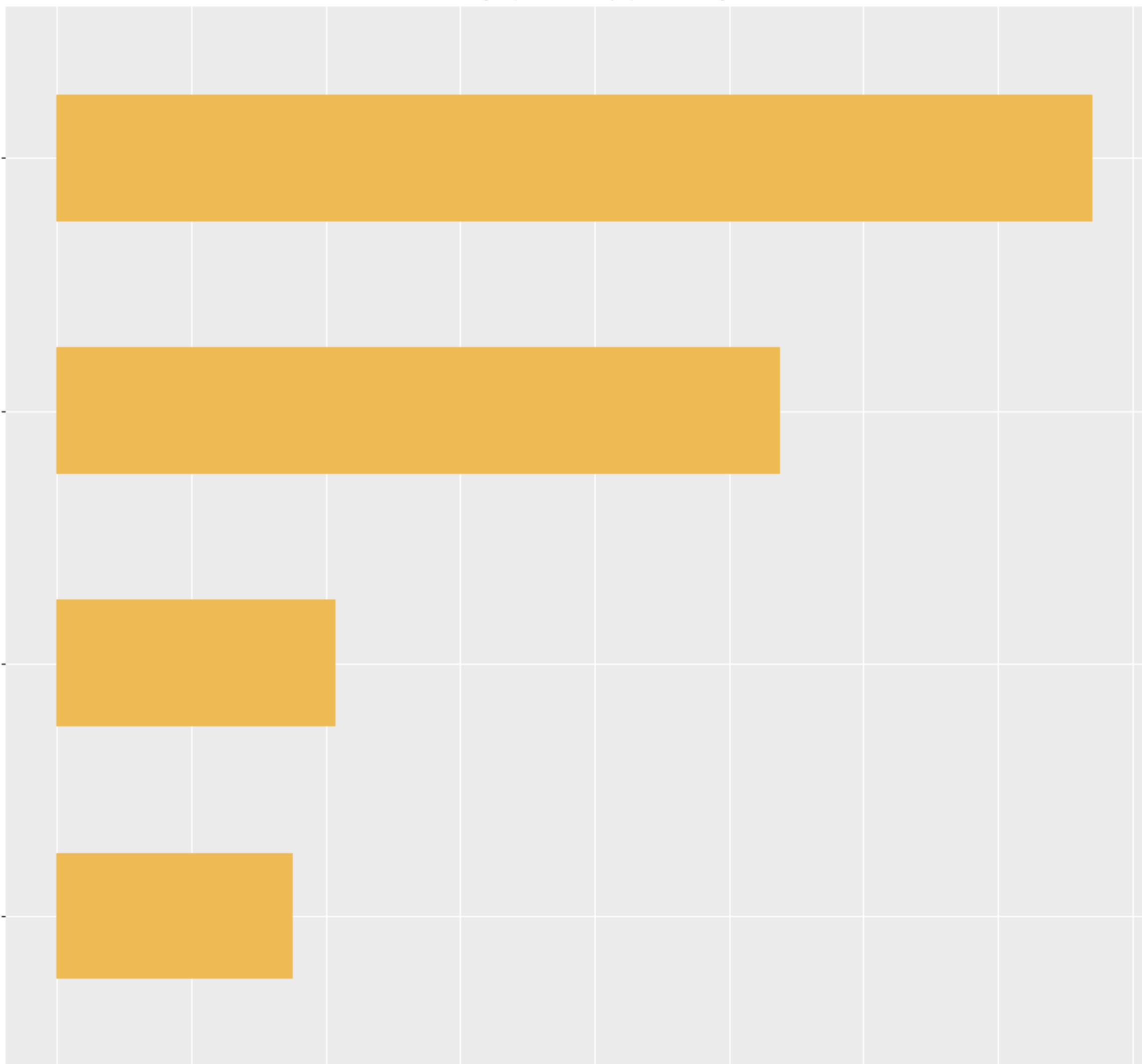
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Functional Enrichment



cytoskeleton organization

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 10/41

Cluster 2/41

Cluster 41/41

Cluster 7/41

Cluster 11/41

0.0

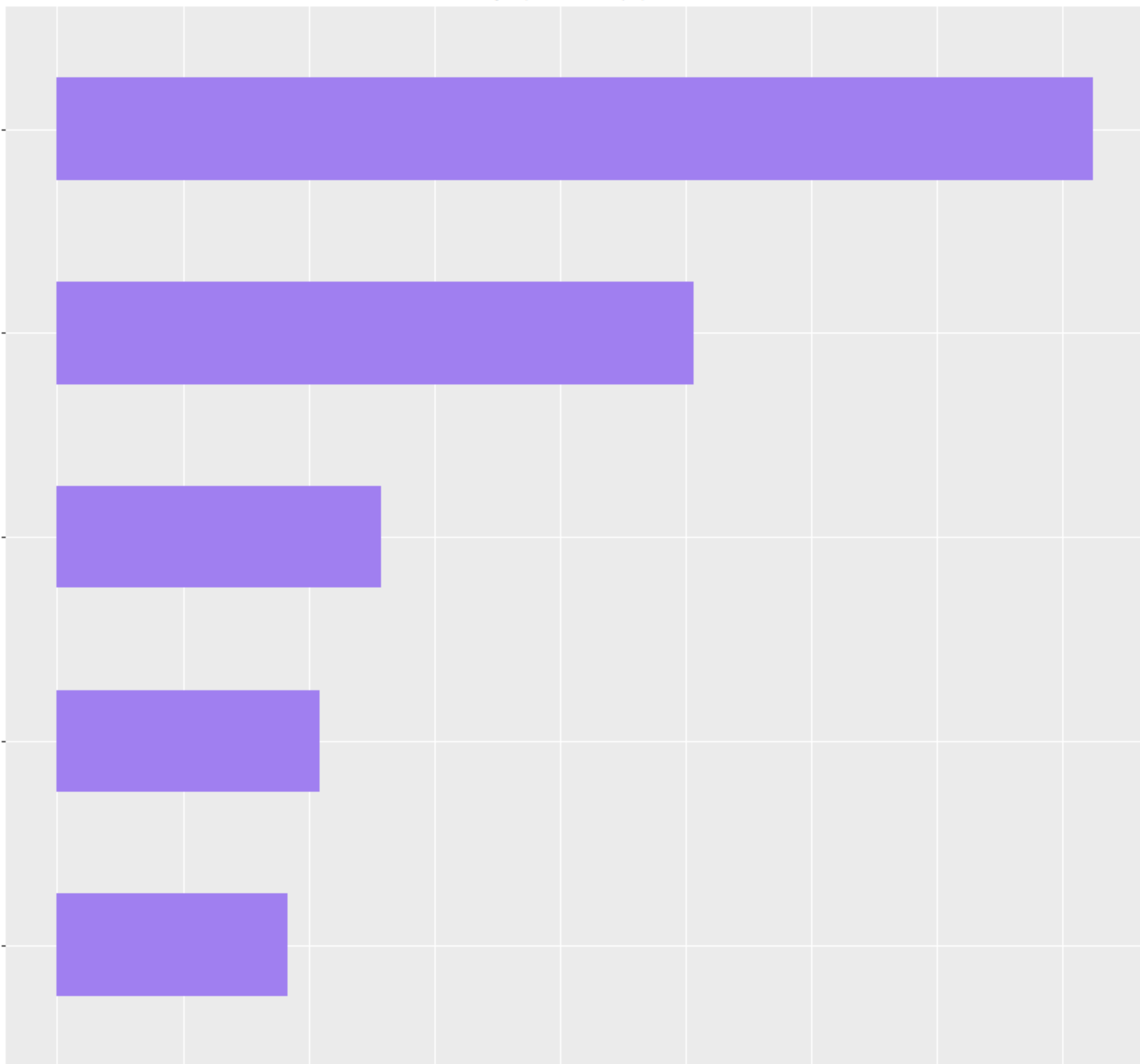
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5.0

7.5

10.0

Functional Enrichment



cytoskeleton organization

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 21/26

0

1

2

3

4

Functional Enrichment



DNA recombination

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 41/42

Cluster 5/42

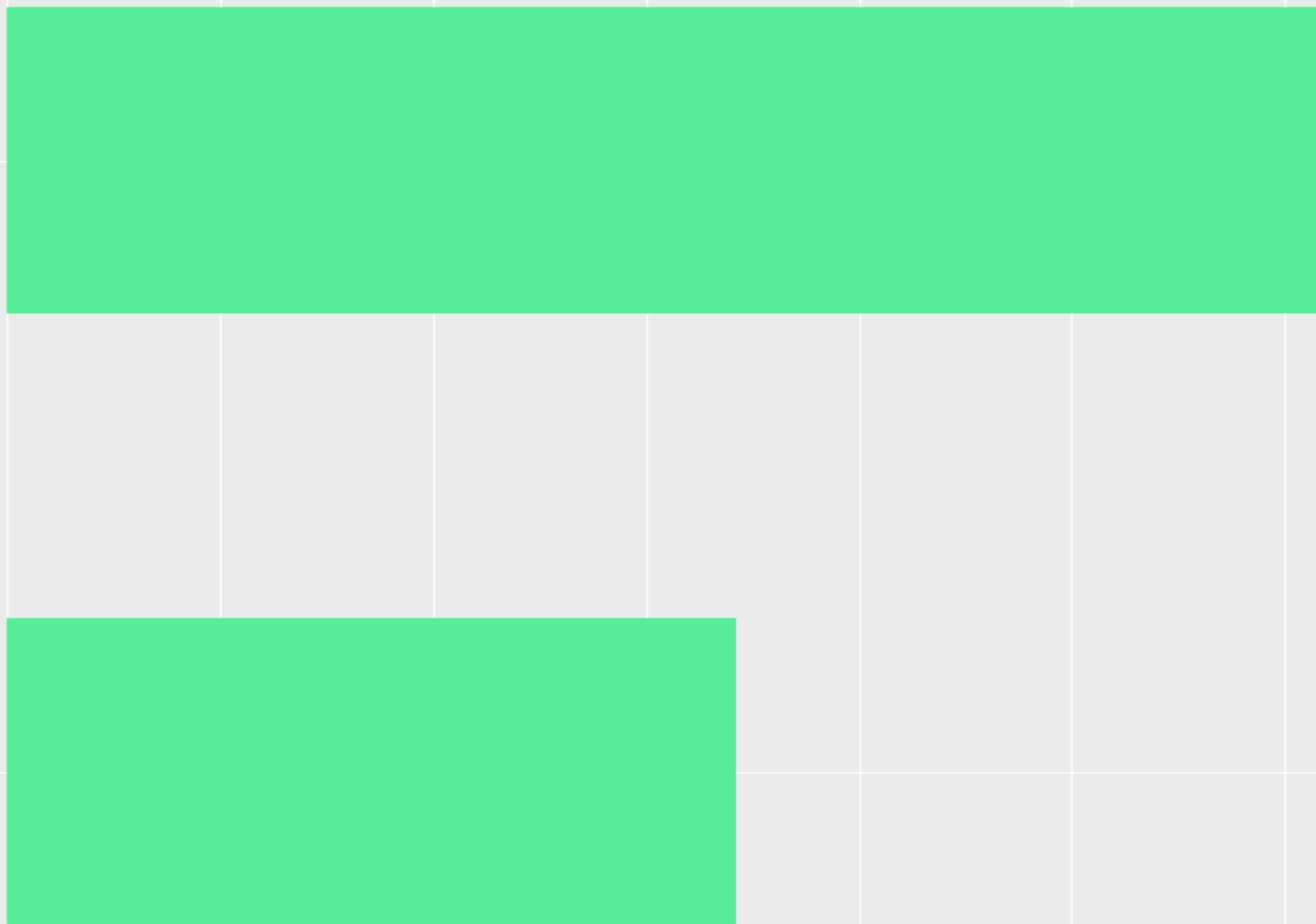
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12

Functional Enrichment



DNA recombination

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 13/24

0

2

4

6

Functional Enrichment



DNA recombination

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 40/41

Cluster 2/41

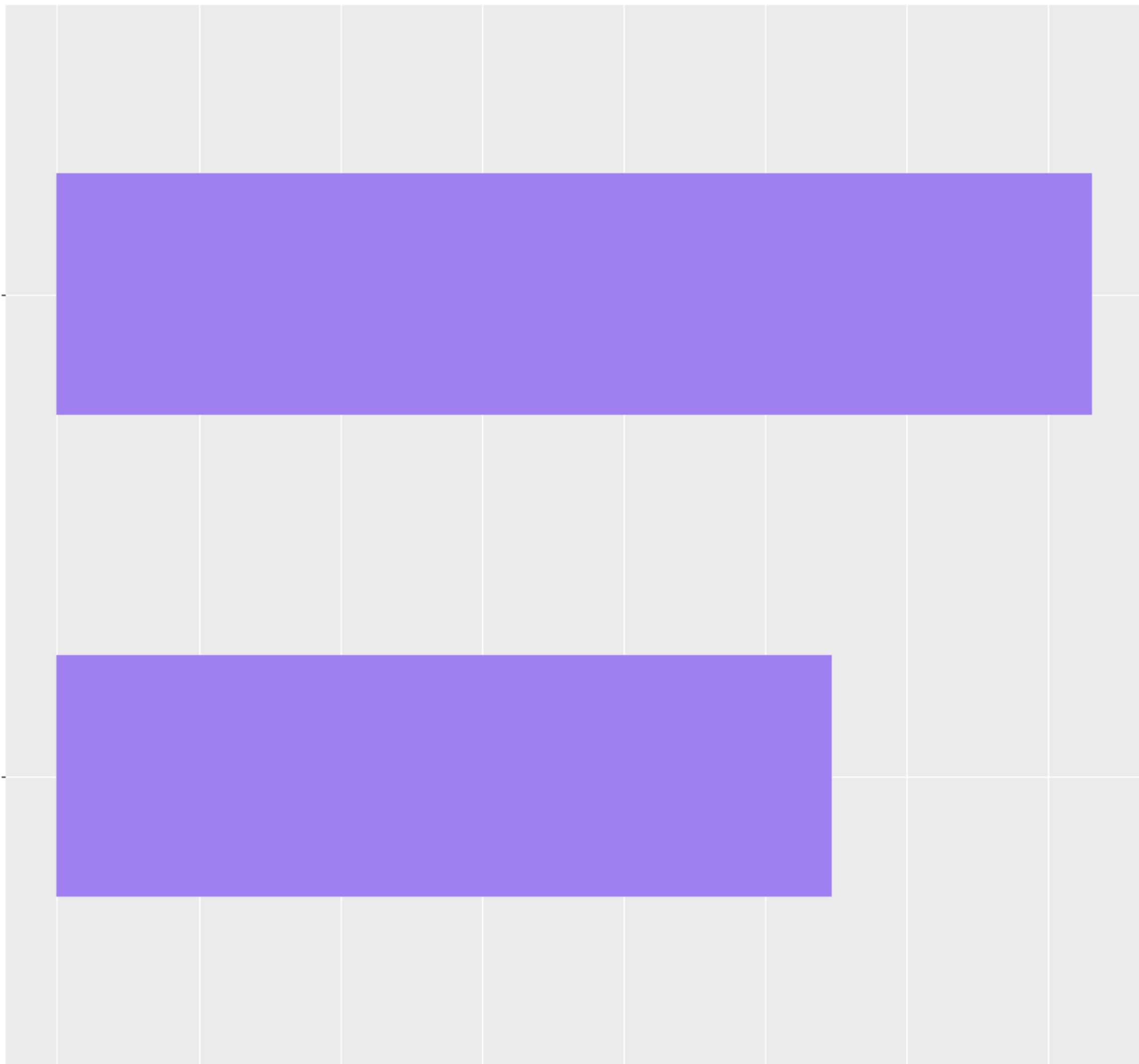
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2.5

5.0

7.5

Functional Enrichment



DNA recombination

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 19/26

0

5

10

Functional Enrichment



DNA repair

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 41/42

Cluster 5/42

Cluster 8/42

0.0

2.5

5.0

7.5

10.0

12.5

Functional Enrichment



DNA repair

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 13/24

Cluster 17/24

0

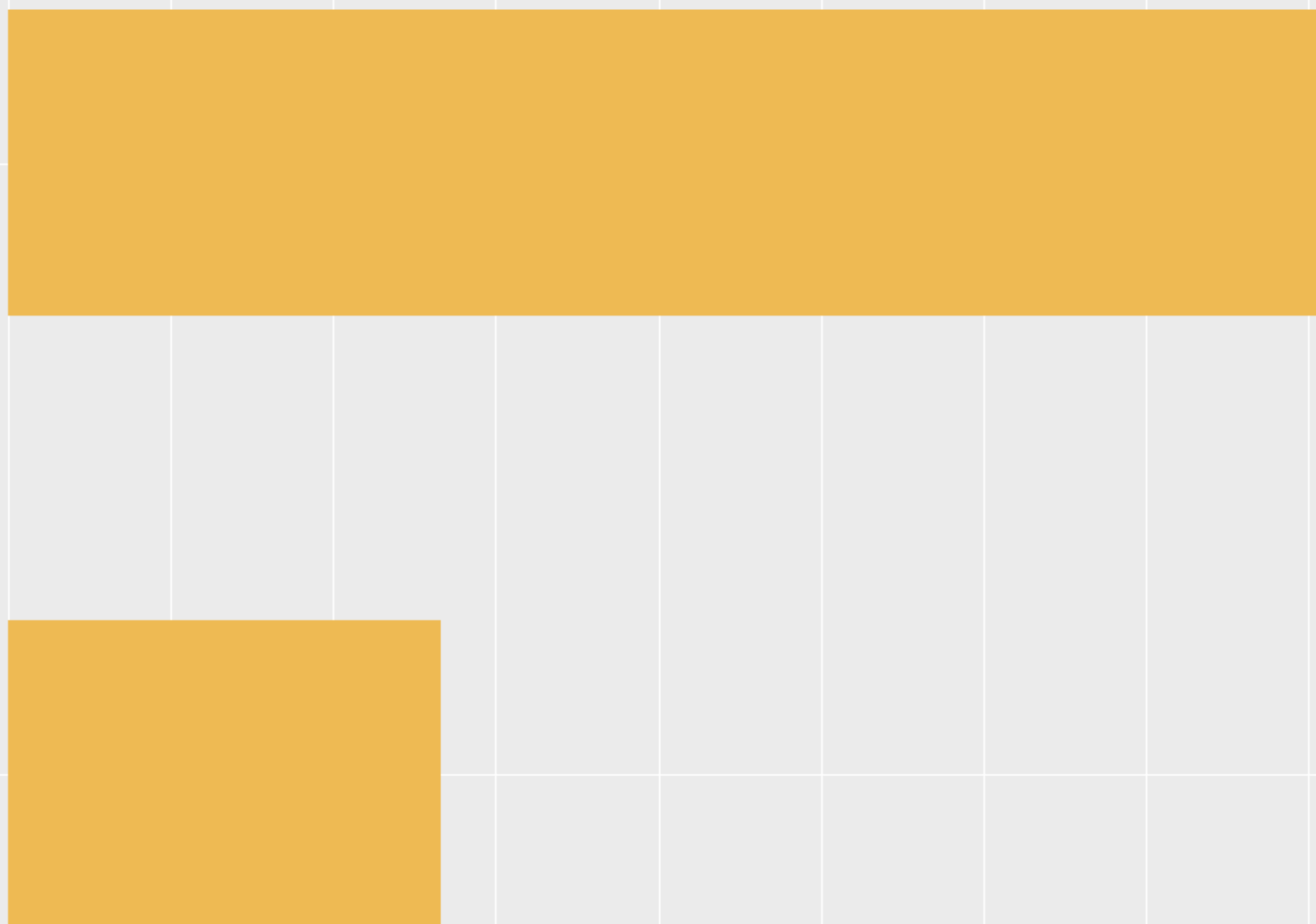
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6

8

Functional Enrichment



DNA repair

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 40/41

Cluster 2/41

Cluster 7/41

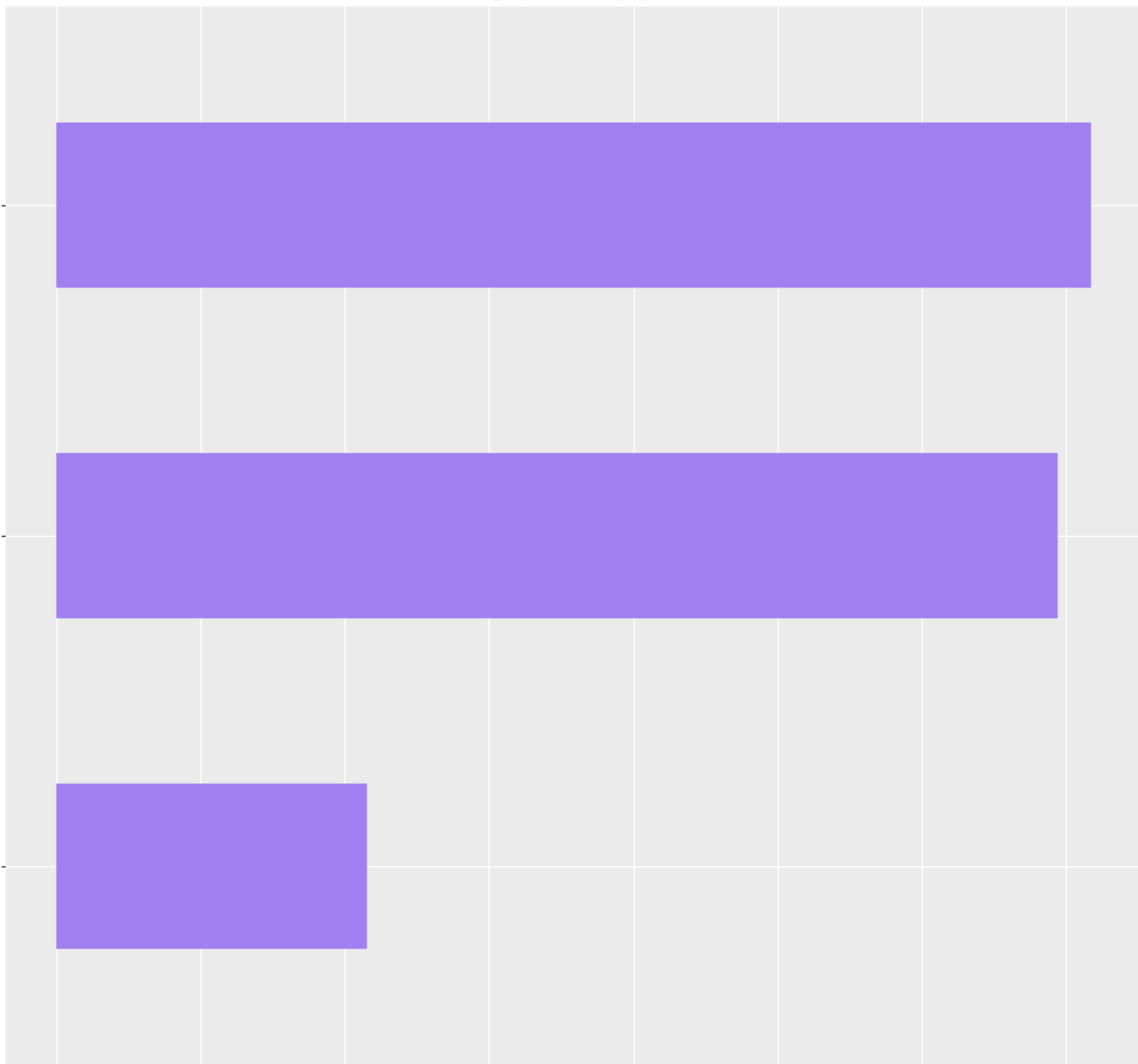
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2.5

5.0

7.5

Functional Enrichment



DNA repair

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 19/26

0

3

6

9

12

Functional Enrichment



DNA replication

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 41/42

Cluster 5/42

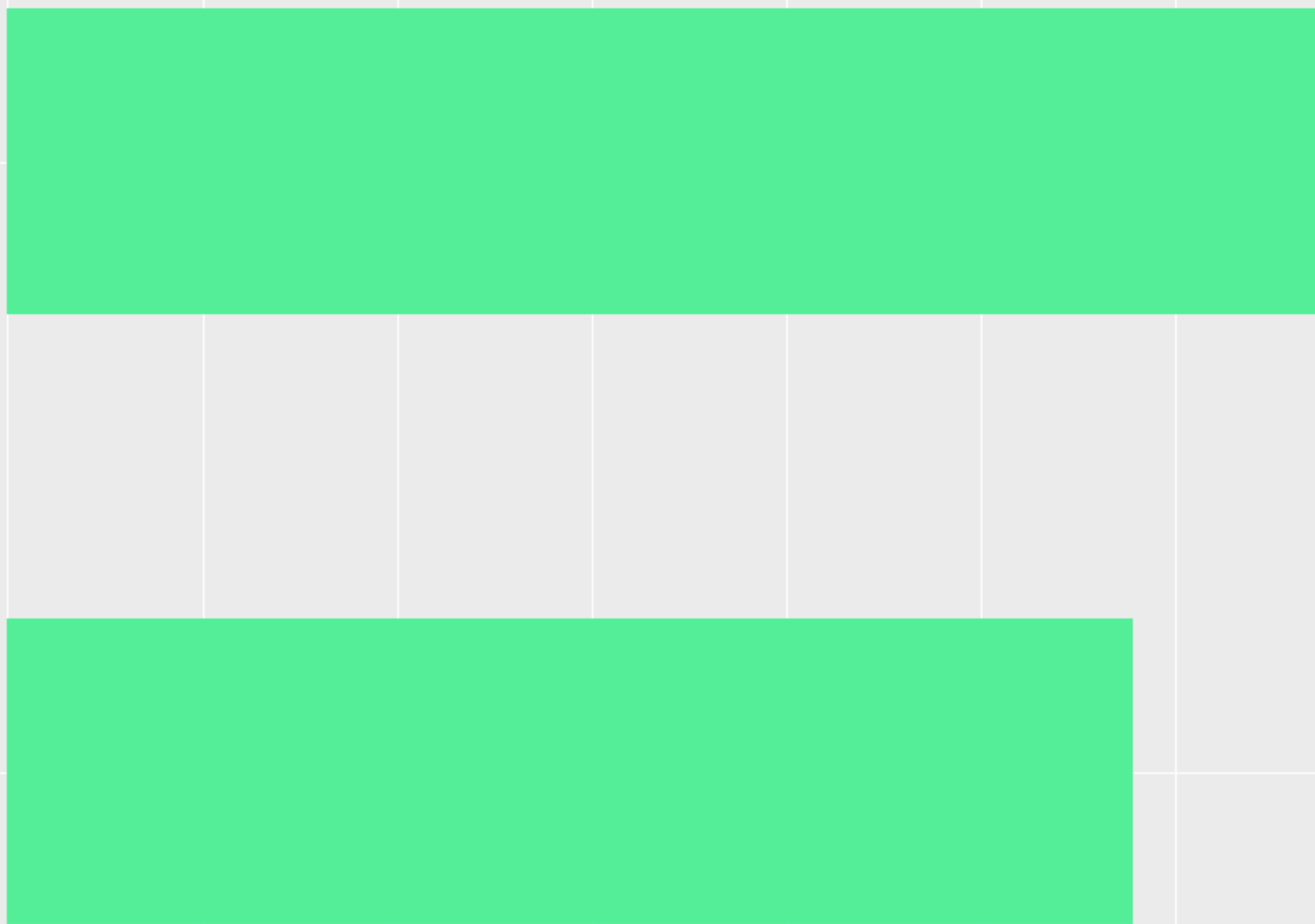
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5

10

15

Functional Enrichment



DNA replication

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 13/24

0

5

10

15

Functional Enrichment



DNA replication

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 2/41

Cluster 40/41

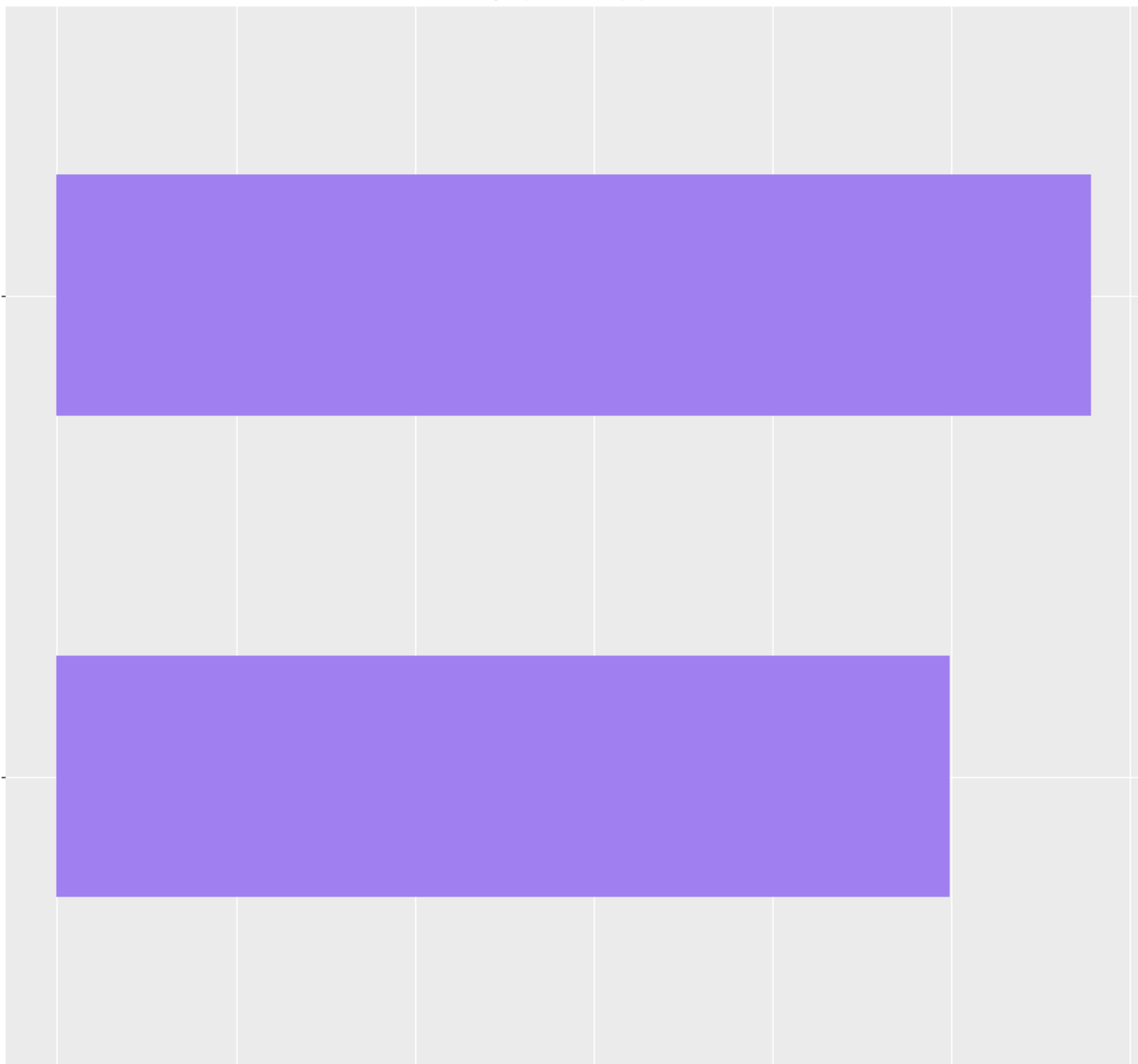
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5

10

15

Functional Enrichment



DNA replication

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 19/26

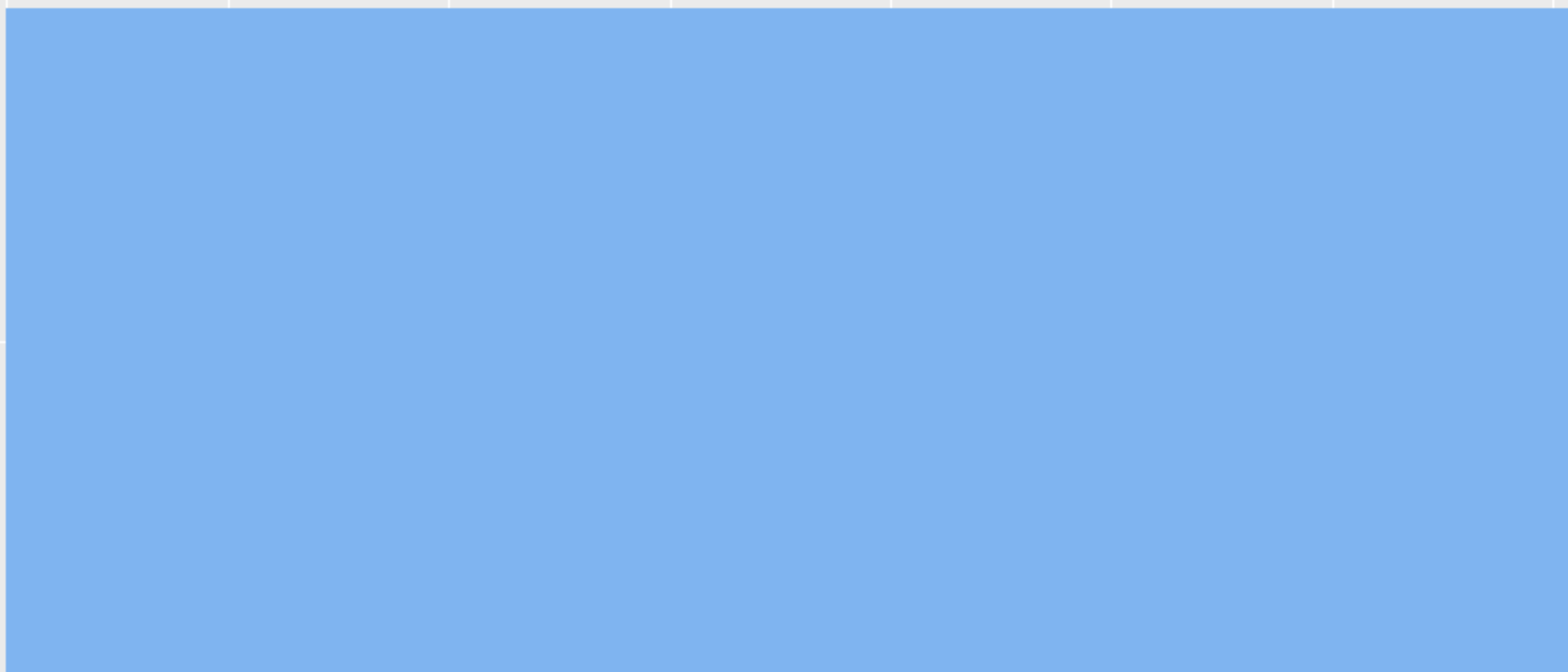
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5

10

15

Functional Enrichment



DNA-templated transcription, elongation

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 14/42

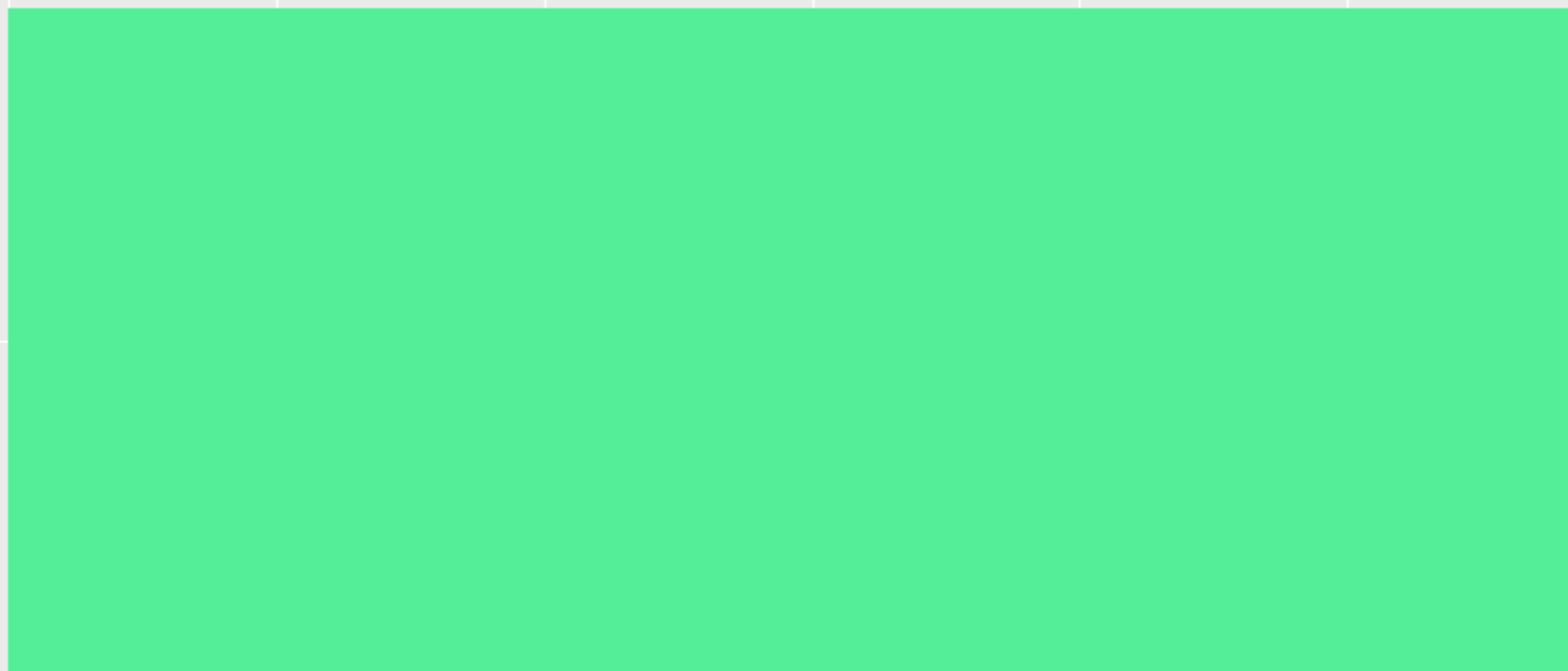
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1

2

3

Functional Enrichment



DNA-templated transcription, elongation

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 22/24

0

1

2

3

Functional Enrichment



DNA-templated transcription, elongation

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 11/41

0

1

2

3

Functional Enrichment



DNA-templated transcription, initiation

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 19/42

Cluster 14/42

0

5

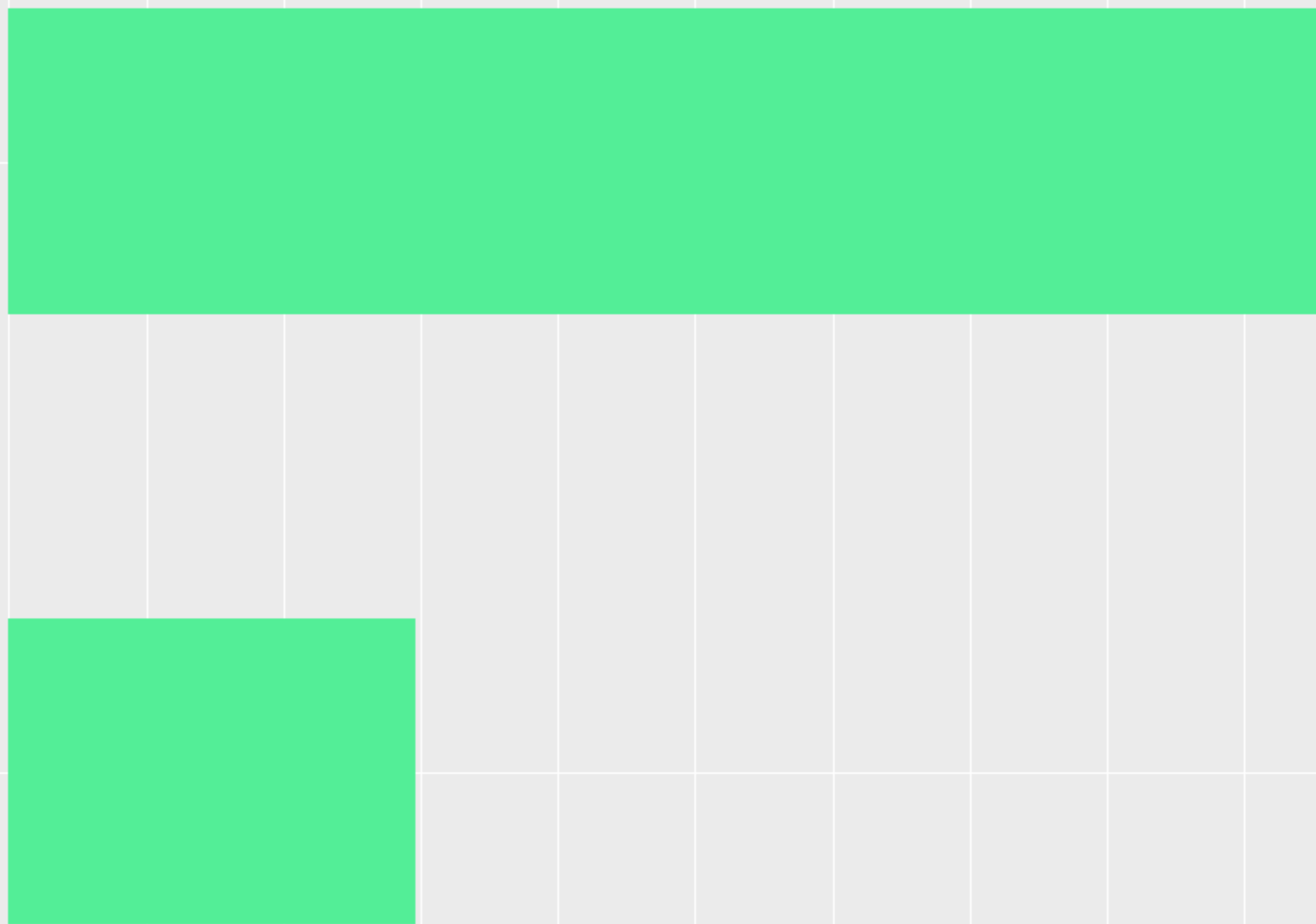
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15

20

25

Functional Enrichment



DNA-templated transcription, initiation

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 8/24

Cluster 22/24

0

5

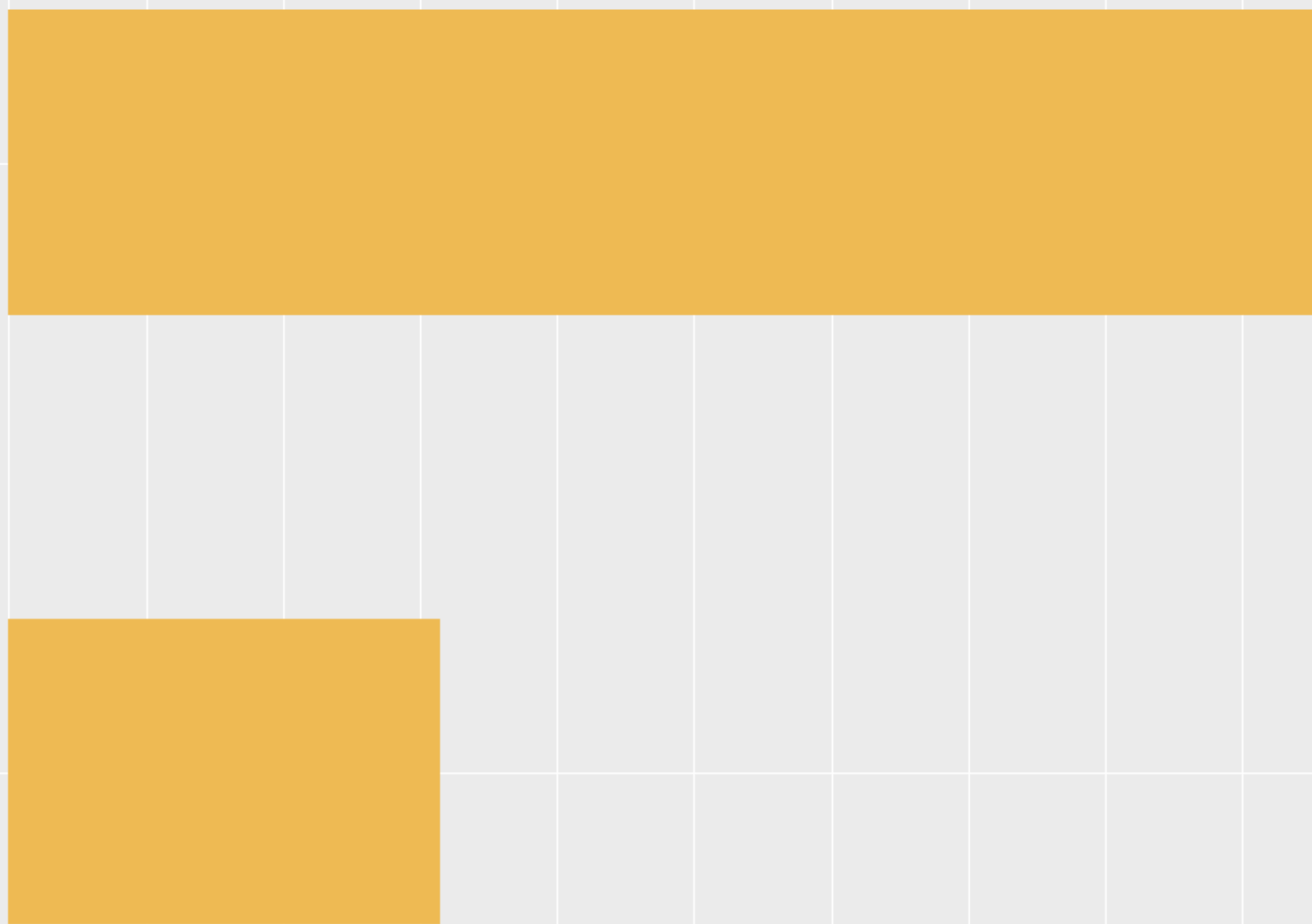
10

15

20

25

Functional Enrichment



DNA-templated transcription, initiation

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 16/41

Cluster 11/41

0

5

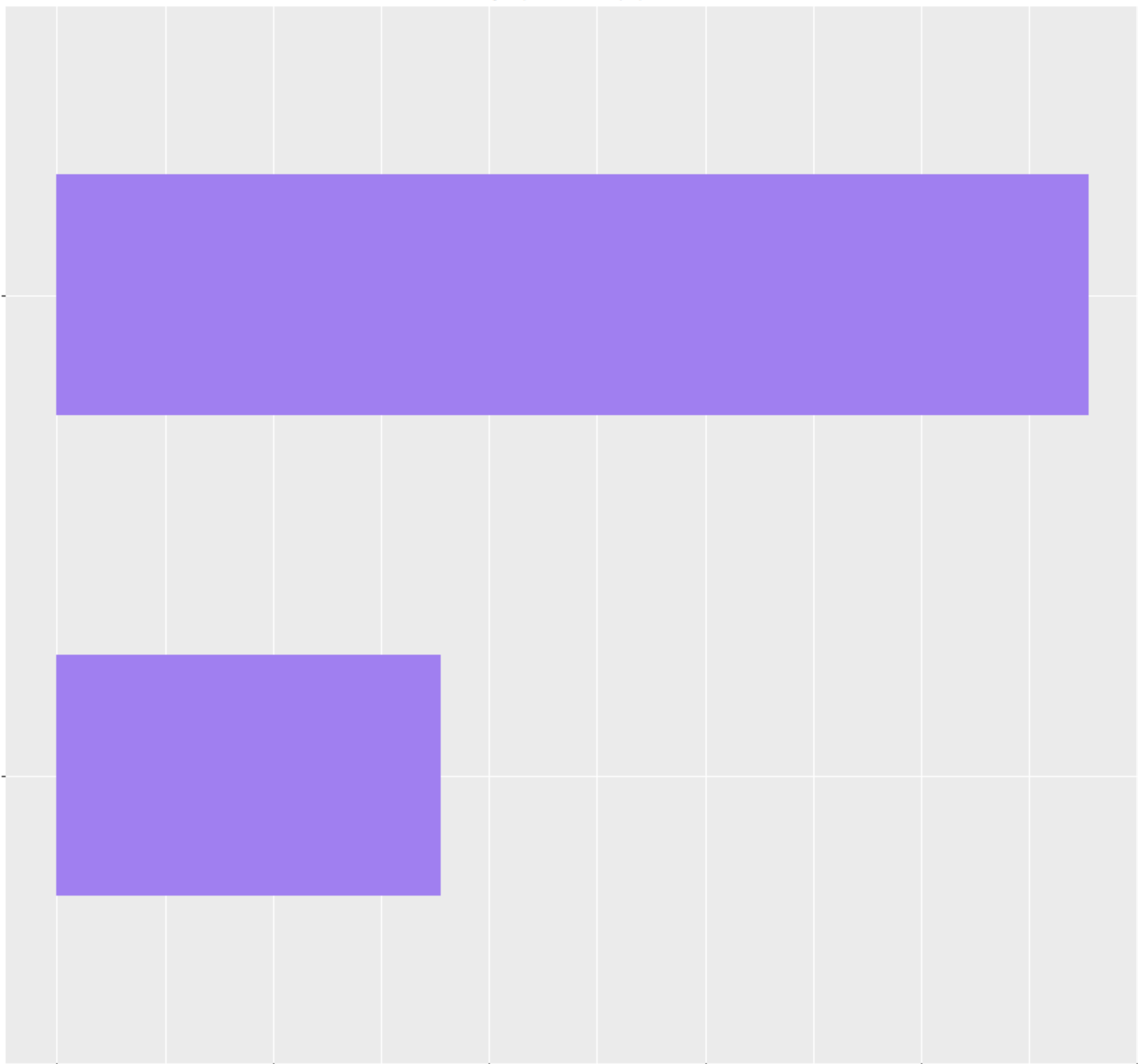
10

15

20

25

Functional Enrichment



DNA-templated transcription, termination

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 8/42

Cluster 14/42

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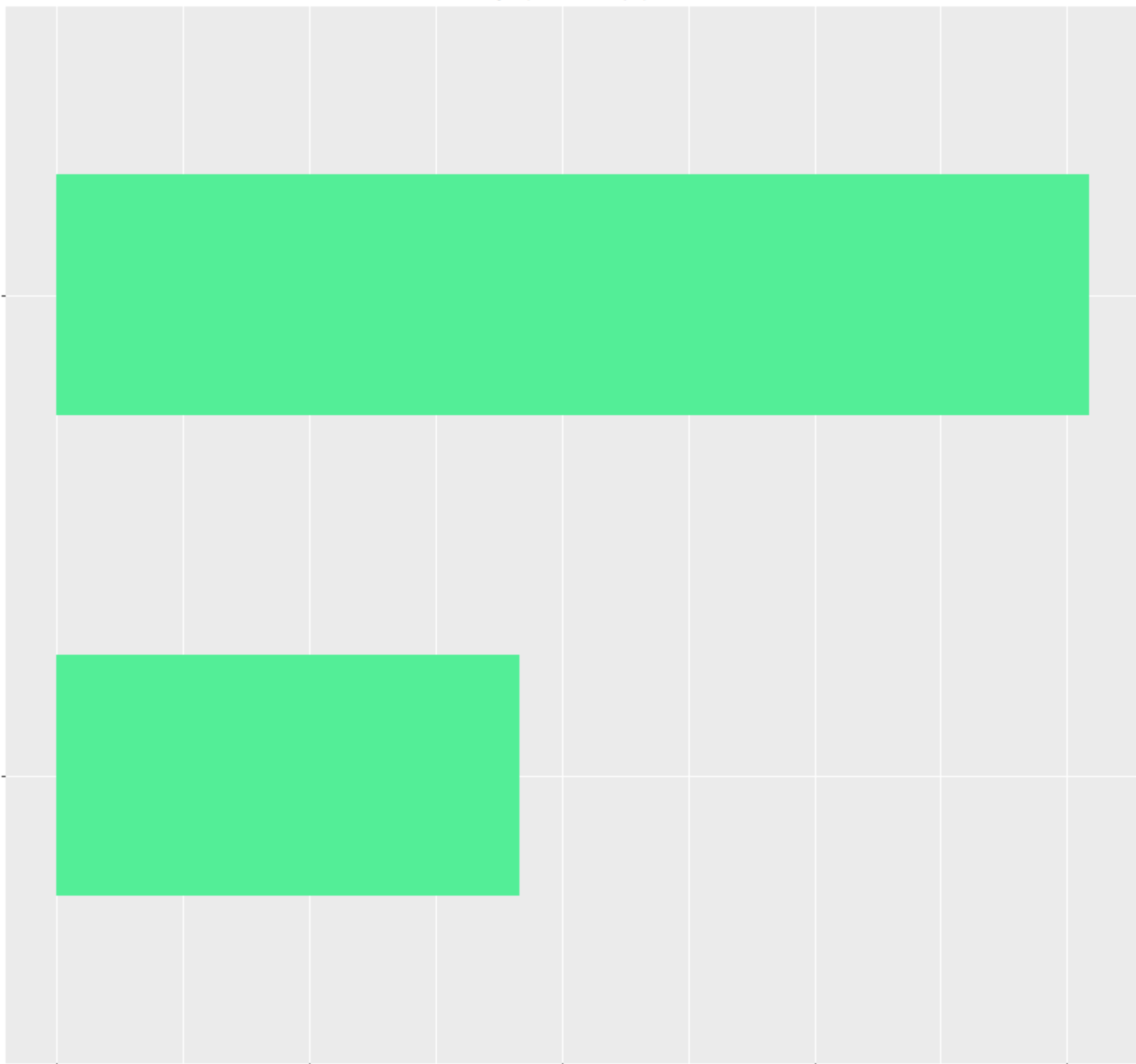
2

4

6

8

Functional Enrichment



DNA-templated transcription, termination

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 17/24

Cluster 22/24

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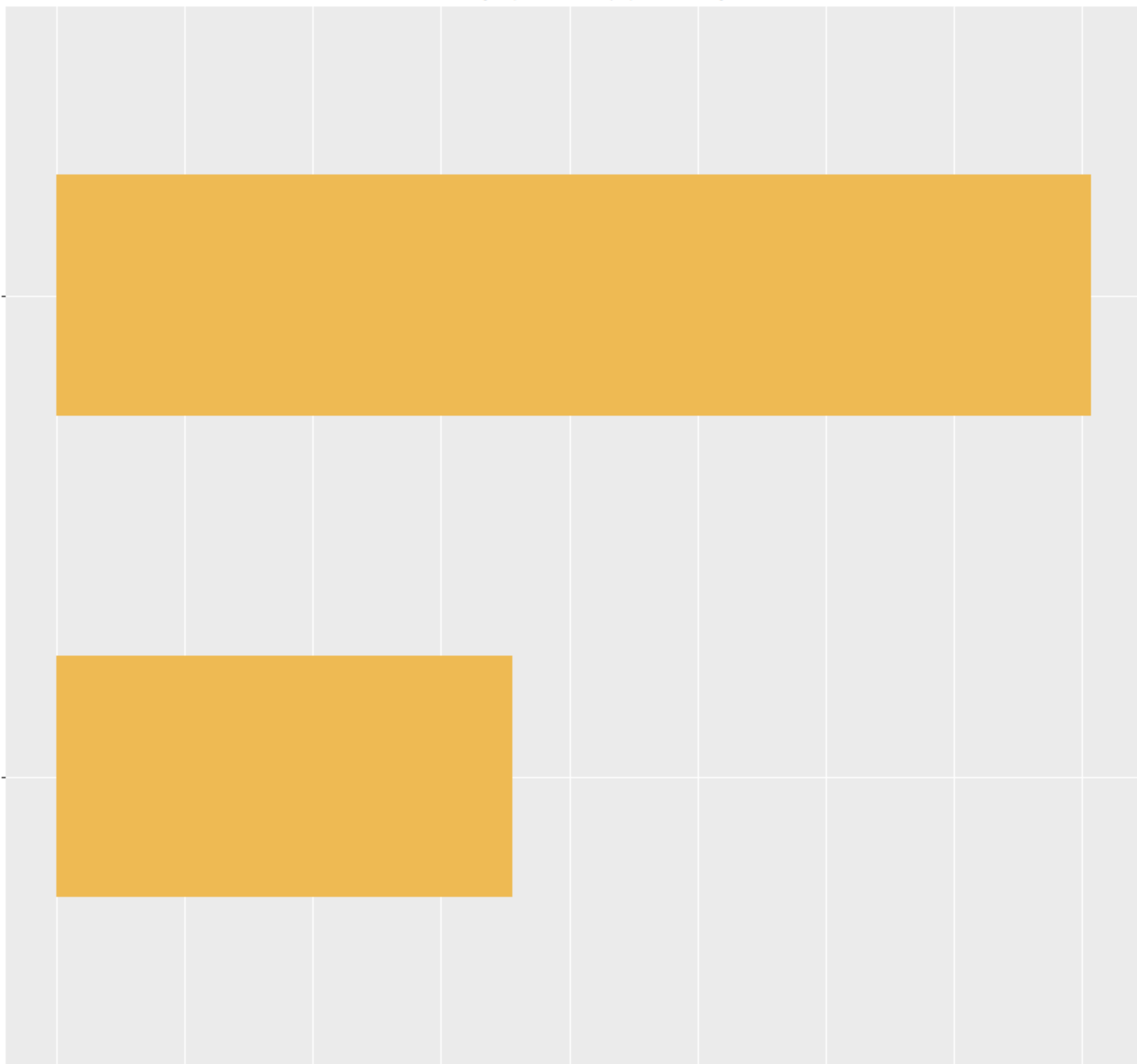
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4

6

8

Functional Enrichment



DNA-templated transcription, termination

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 7/41

Cluster 11/41

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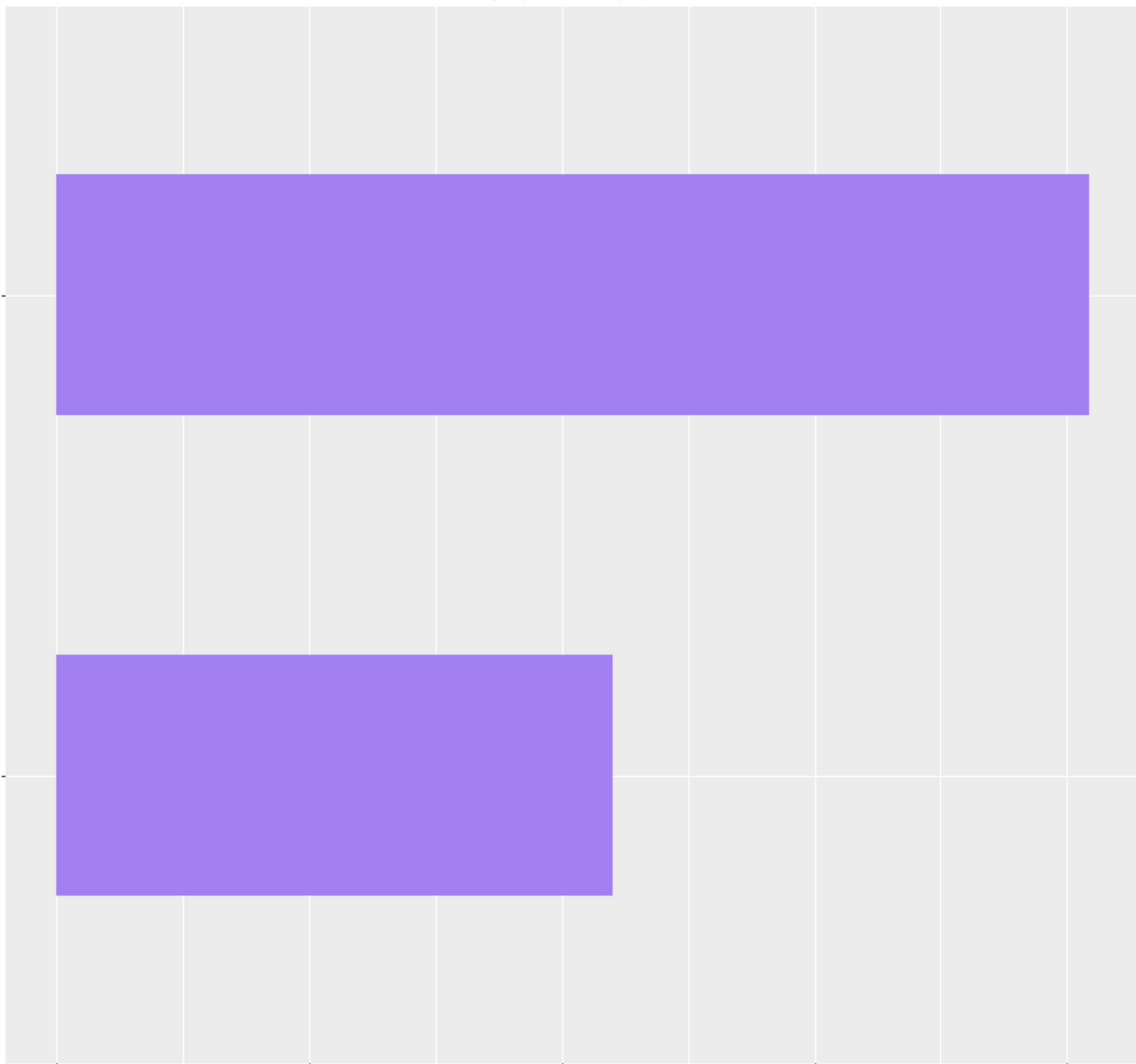
2

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6

8

Functional Enrichment



endocytosis

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 13/26

0

1

2

3

Functional Enrichment



endosomal transport

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 29/42

0

1

2

3

Functional Enrichment



endosomal transport

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 30/41

0

1

2

3

Functional Enrichment



endosomal transport

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 13/26

0

1

2

3

Functional Enrichment



exocytosis

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 14/42

0

2

4

6

Functional Enrichment



exocytosis

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 22/24

0

2

4

6

Functional Enrichment



Golgi vesicle transport

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 14/42

0

1

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5

Functional Enrichment



Golgi vesicle transport

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 22/24

0

1

2

3

4

Functional Enrichment



histone modification

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 27/42

0

1

2

3

Functional Enrichment



histone modification

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 26/41

0

1

2

3

Functional Enrichment



histone modification

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 14/26

Cluster 11/26

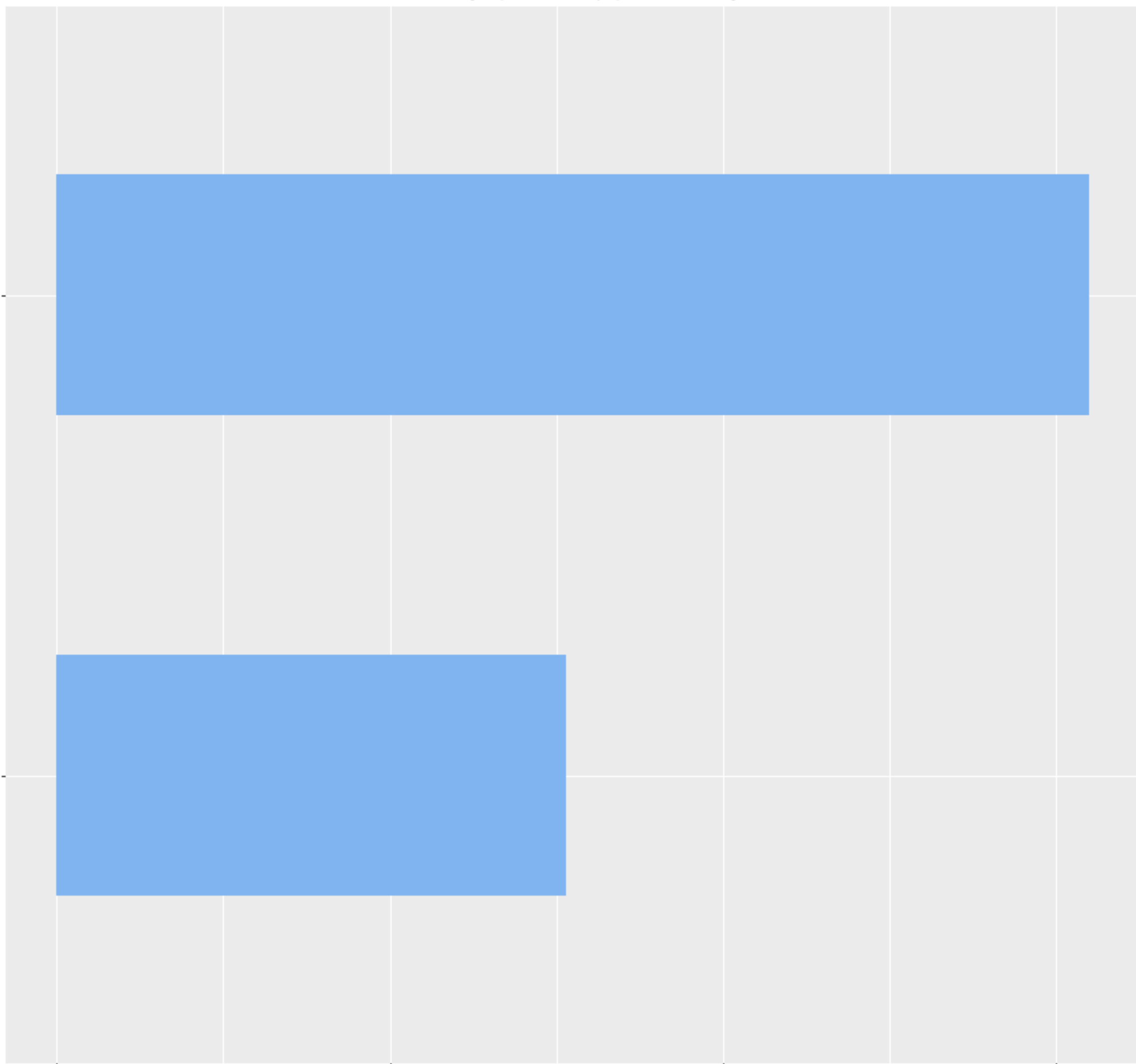
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6

Functional Enrichment



invasive growth in response to glucose limitation

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 28/42

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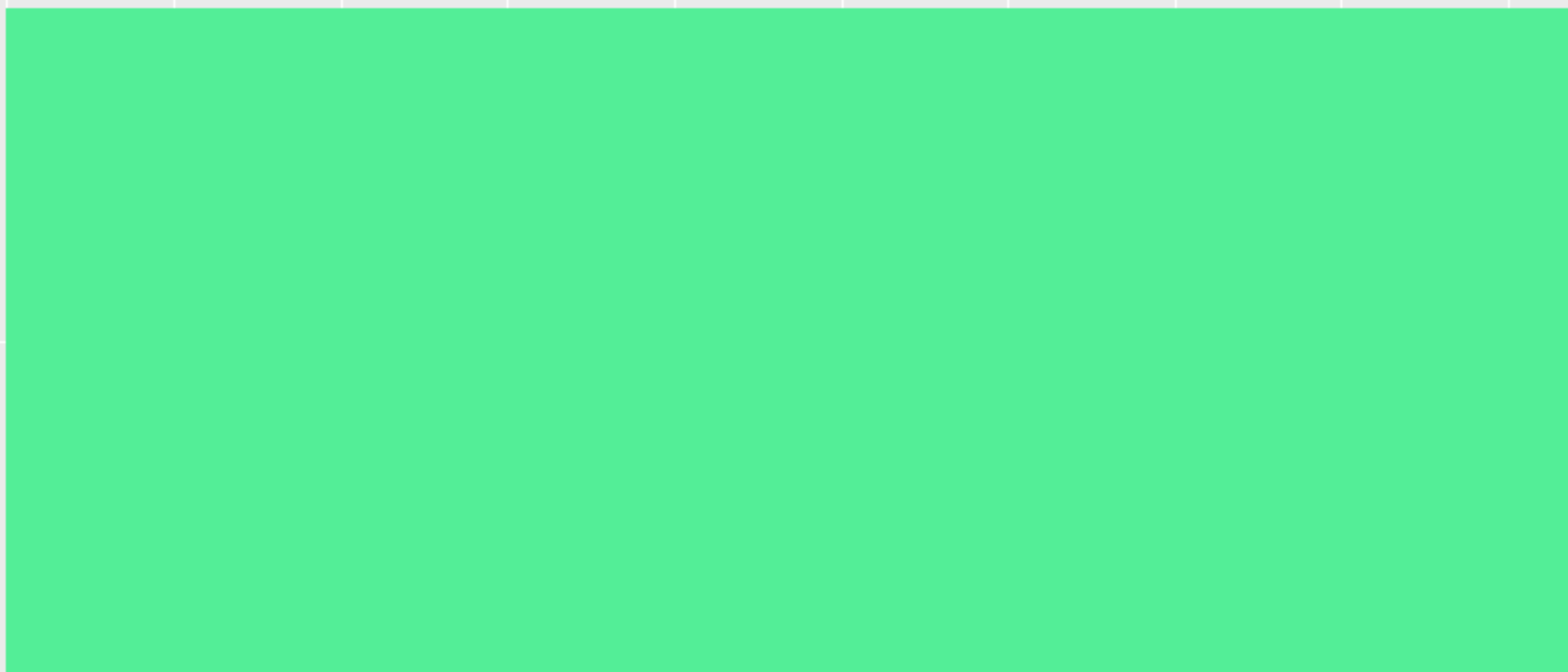
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3

4

Functional Enrichment



invasive growth in response to glucose limitation

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 29/41

0

1

2

3

4

Functional Enrichment



invasive growth in response to glucose limitation

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 20/26

Cluster 12/26

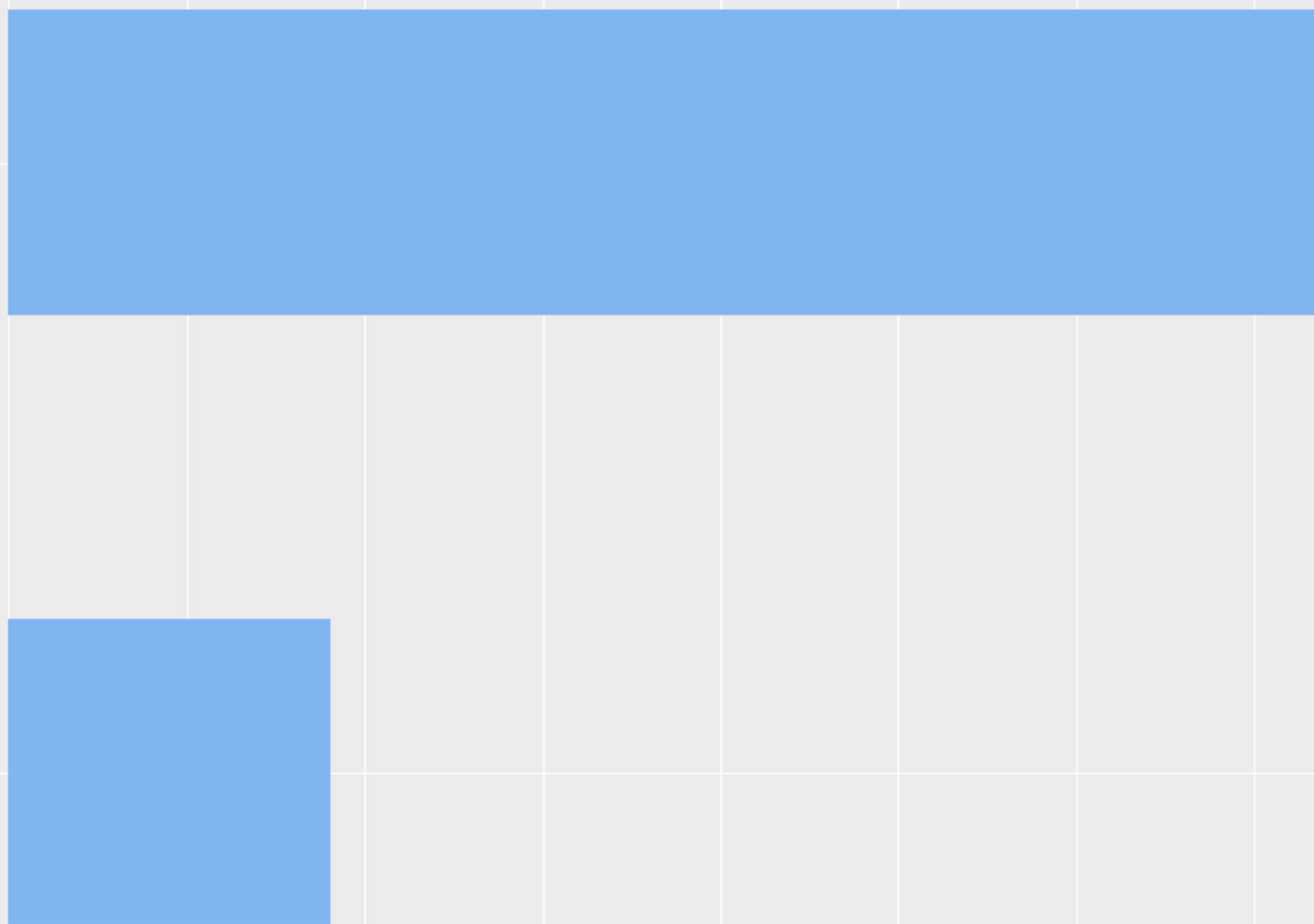
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10

15

Functional Enrichment



ion transport

With CellCycle | With AreaShape | All Genes

Cluster

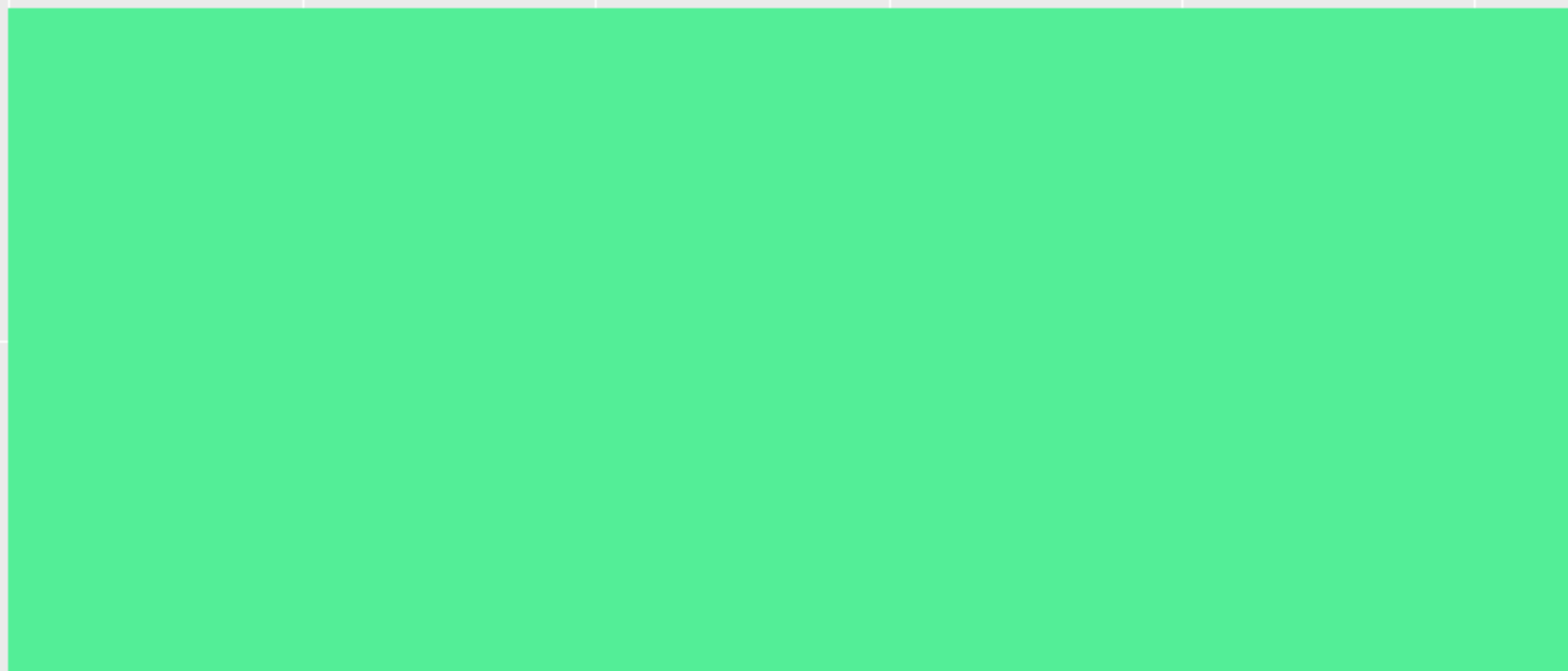
Cluster 28/42

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1

2

Functional Enrichment



ion transport

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 29/41

0

1

2

Functional Enrichment



ion transport

With CellCycle | With AreaShape | Nonessential Only

Cluster

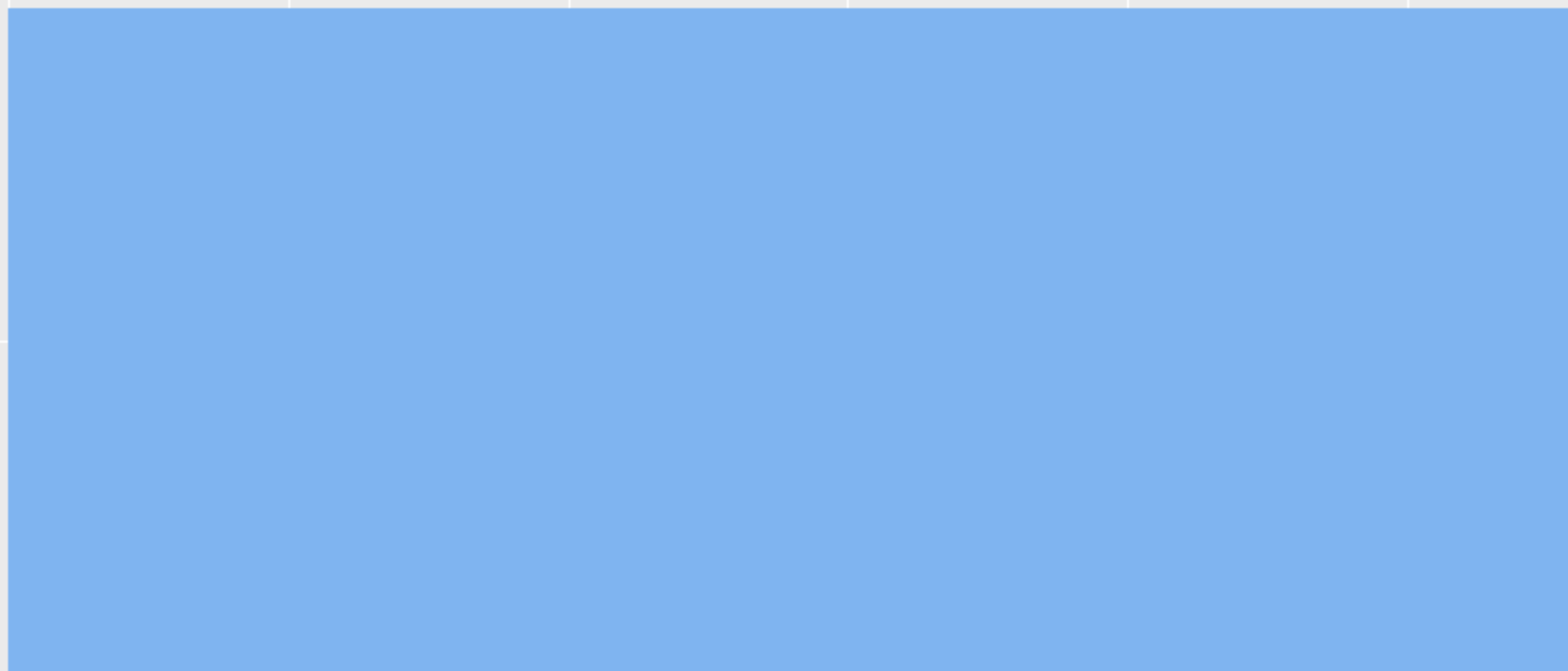
Cluster 12/26

0

1

2

Functional Enrichment



lipid metabolic process

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 14/42

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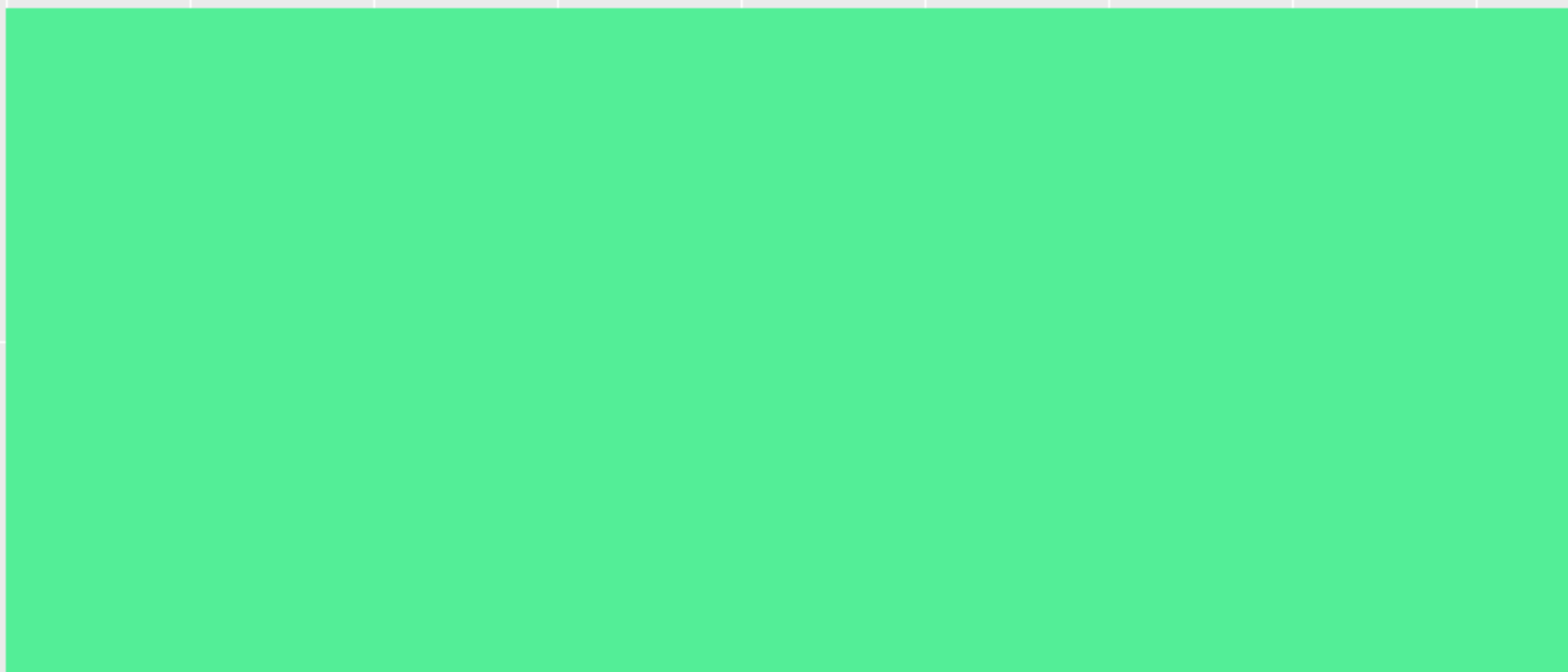
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Functional Enrichment



lipid metabolic process

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 22/24

0.0

0.5

1.0

1.5

2.0

Functional Enrichment



lipid metabolic process

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 11/41

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0.5

1.0

1.5

2.0

Functional Enrichment



meiotic cell cycle

With CellCycle | With AreaShape | All Genes

Cluster

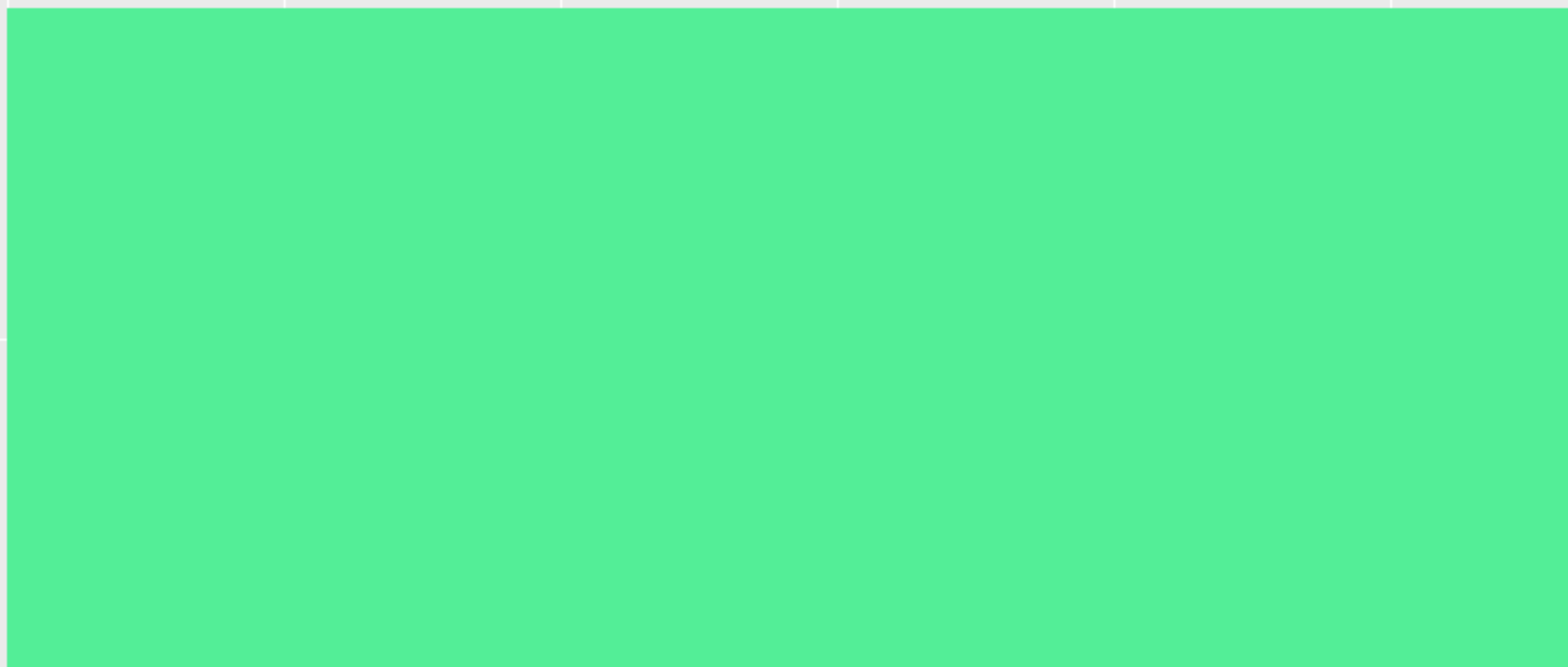
Cluster 5/42

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1

2

Functional Enrichment



meiotic cell cycle

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 13/24

0

1

2

3

Functional Enrichment



meiotic cell cycle

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 10/41

Cluster 40/41

Cluster 2/41

0

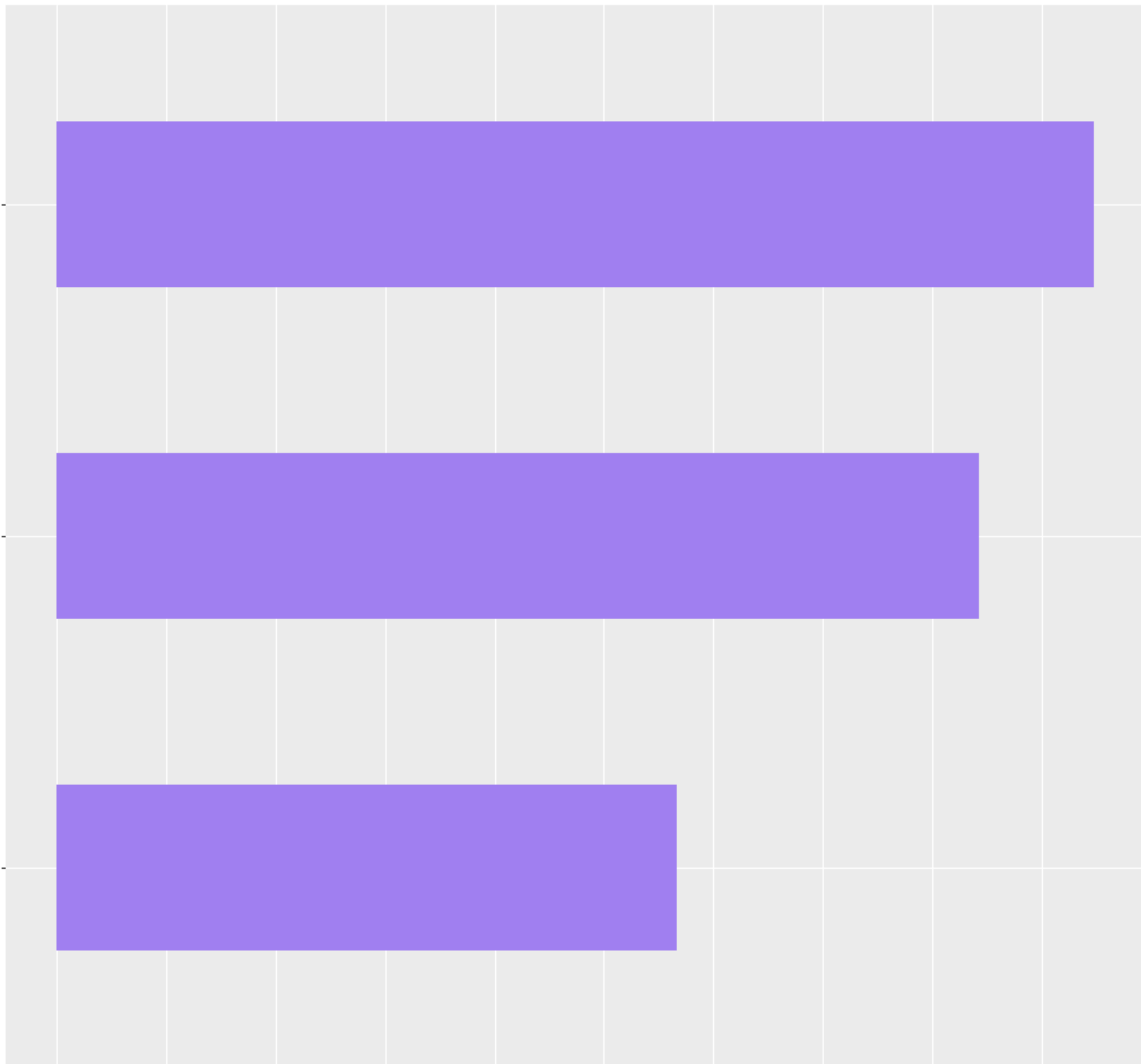
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4

Functional Enrichment



membrane fusion

With CellCycle | With AreaShape | All Genes

Cluster

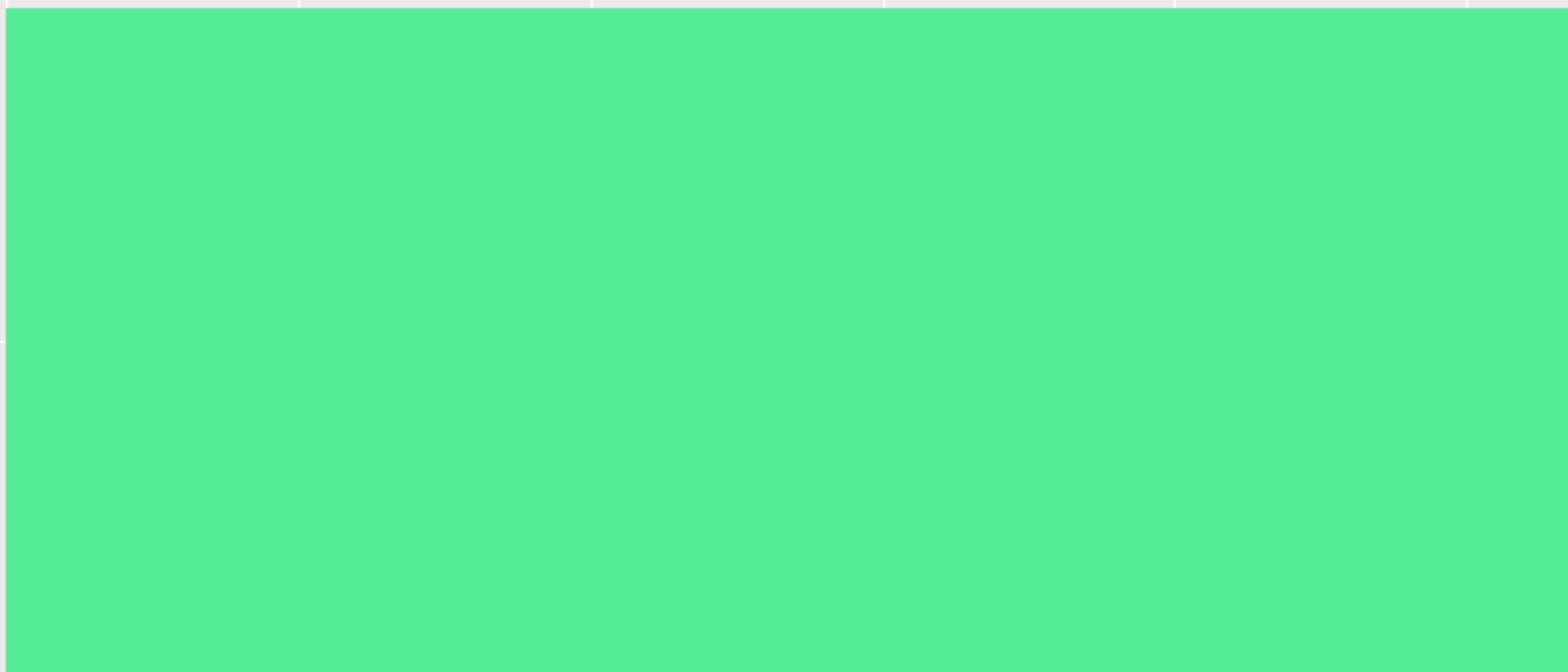
Cluster 14/42

0

2

4

Functional Enrichment



membrane fusion

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 22/24

0

1

2

3

4

5

Functional Enrichment



mitochondrial translation

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 28/42

0

2

4

6

Functional Enrichment



mitochondrial translation

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 29/41

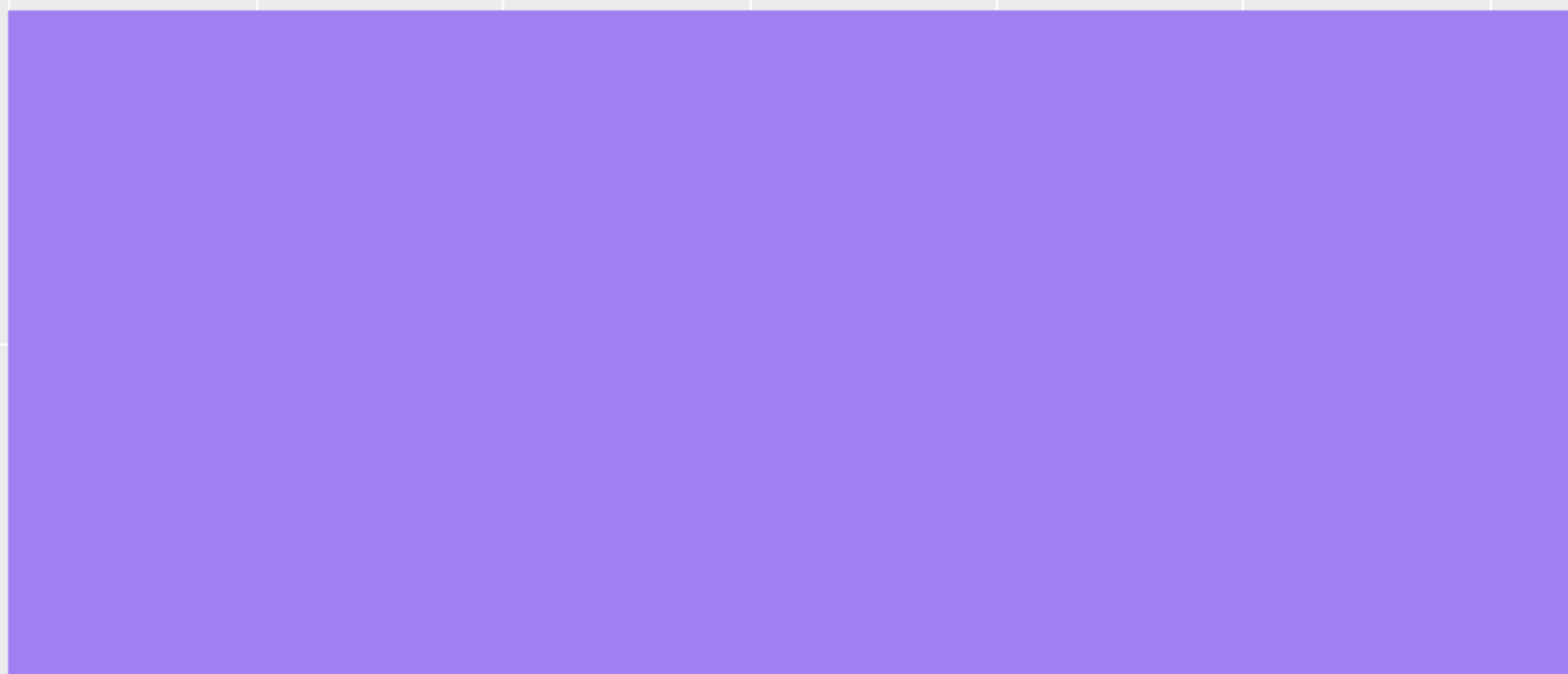
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2

4

6

Functional Enrichment



mitochondrial translation

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 12/26

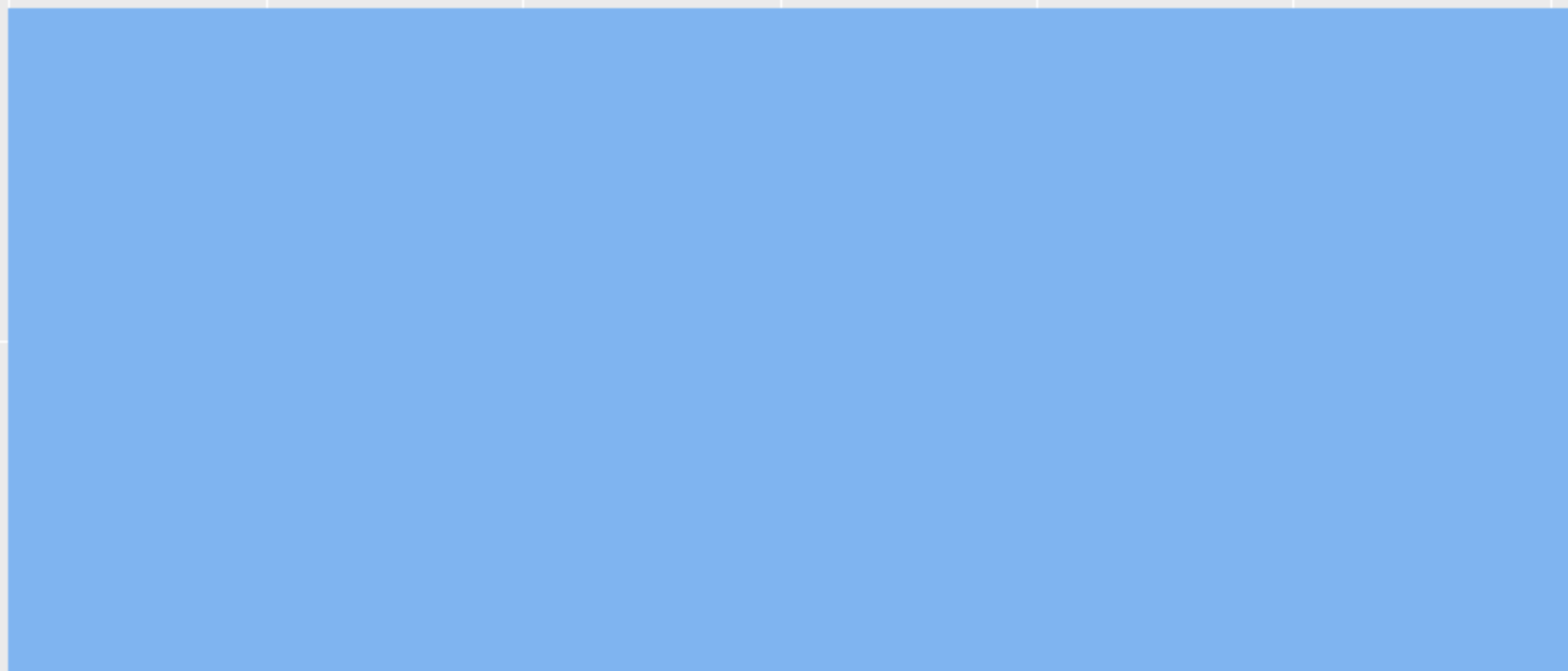
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2

4

6

Functional Enrichment



mitochondrion organization
With CellCycle | With AreaShape | All Genes

Cluster

Cluster 28/42

0

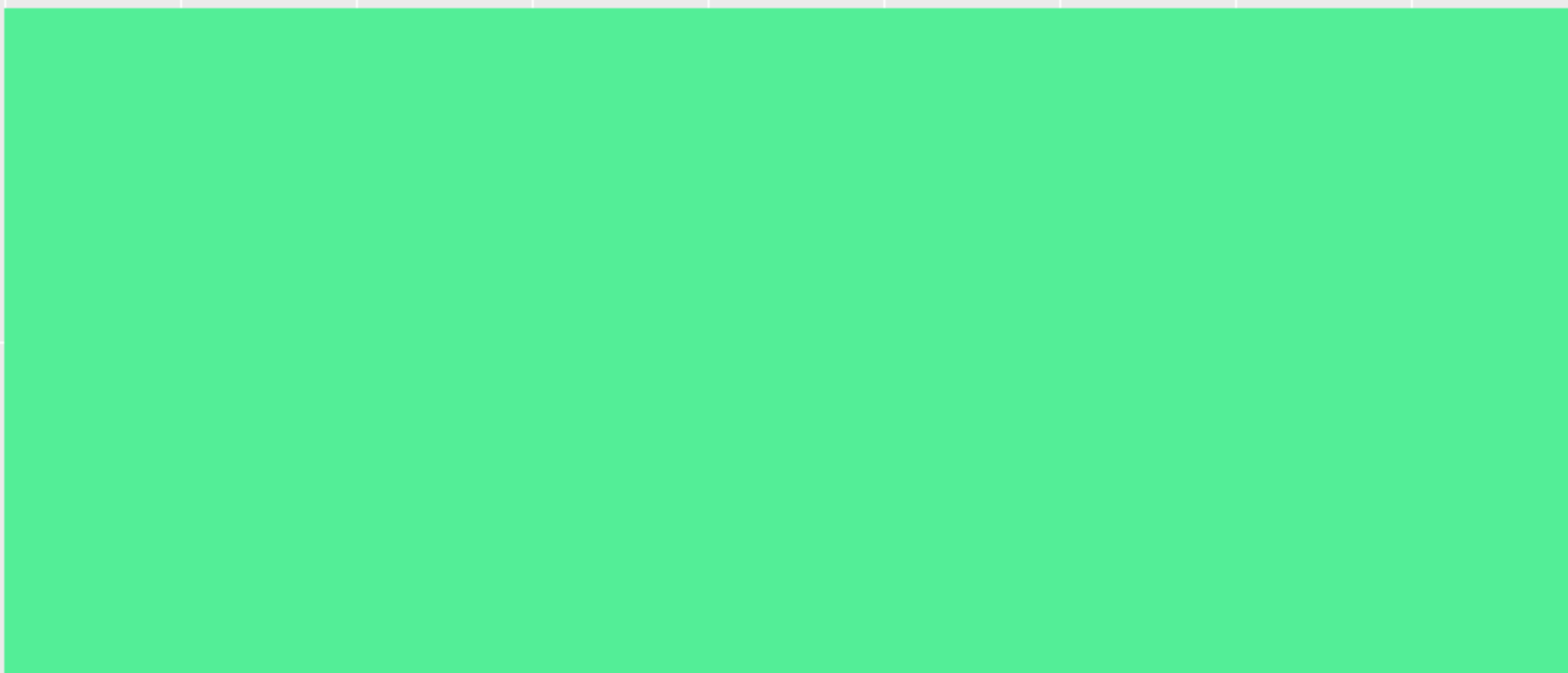
1

2

3

4

Functional Enrichment



mitochondrion organization

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 29/41

0

1

2

3

4

Functional Enrichment



mitochondrion organization

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 12/26

0

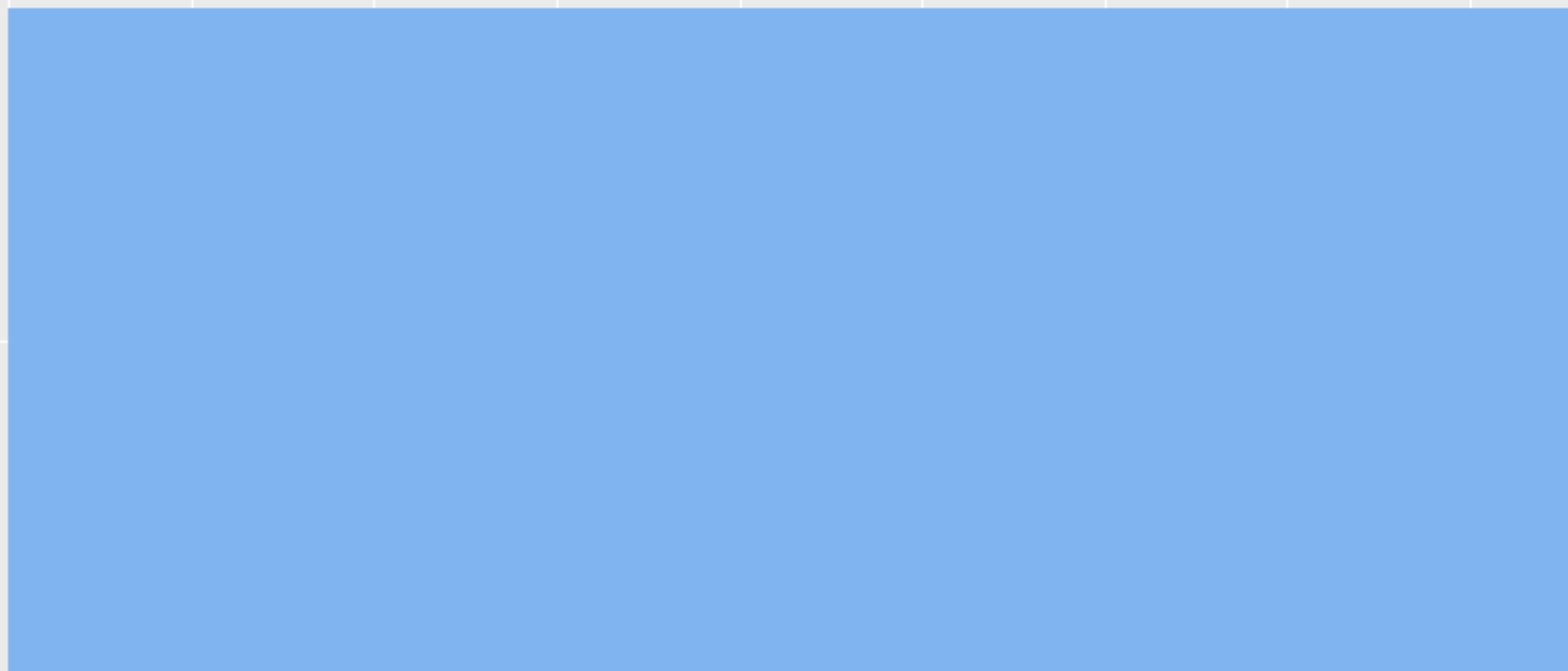
1

2

3

4

Functional Enrichment



mitotic cell cycle

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 11/42

Cluster 41/42

Cluster 5/42

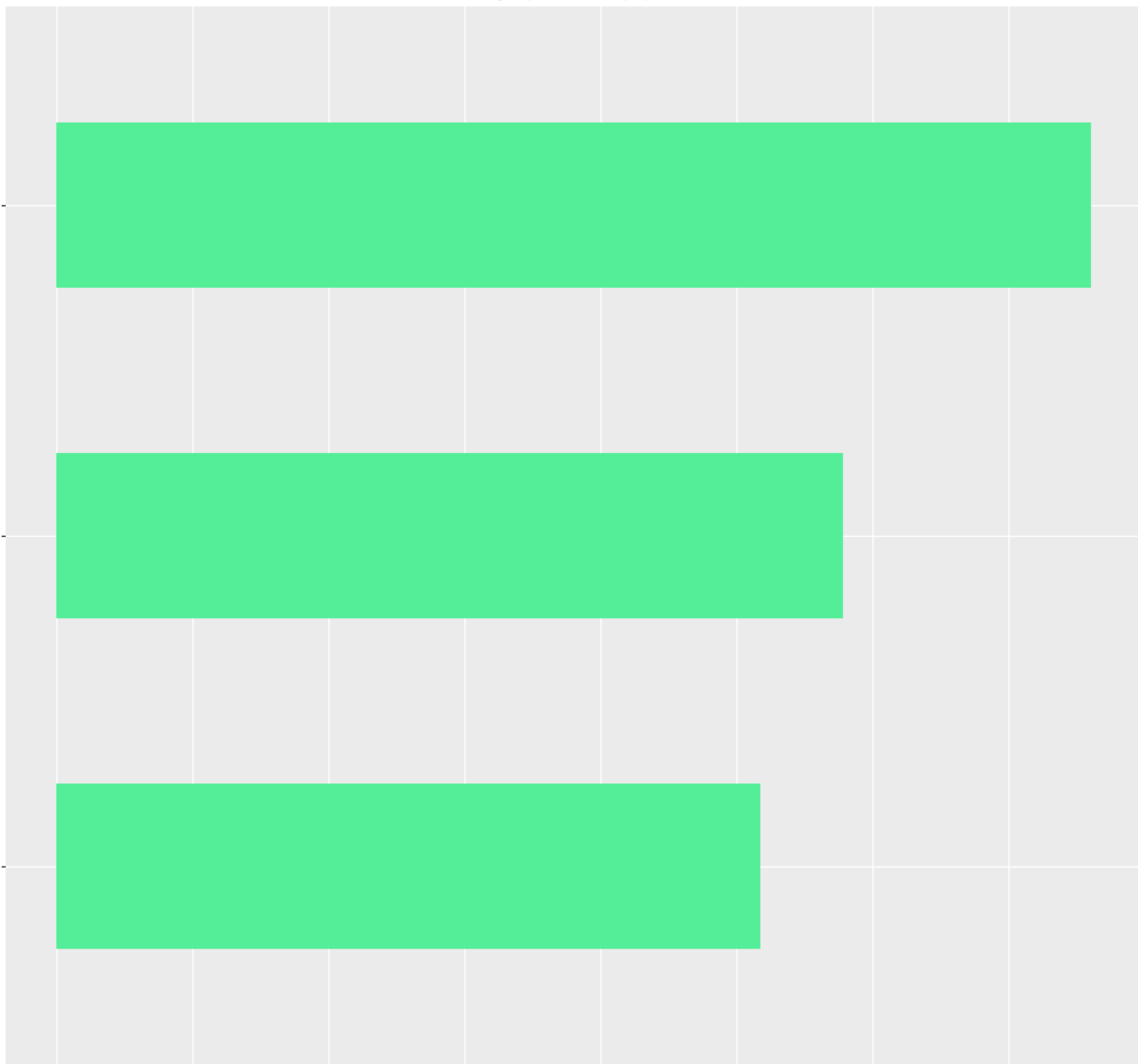
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7.5

Functional Enrichment



mitotic cell cycle

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 19/24

Cluster 13/24

0

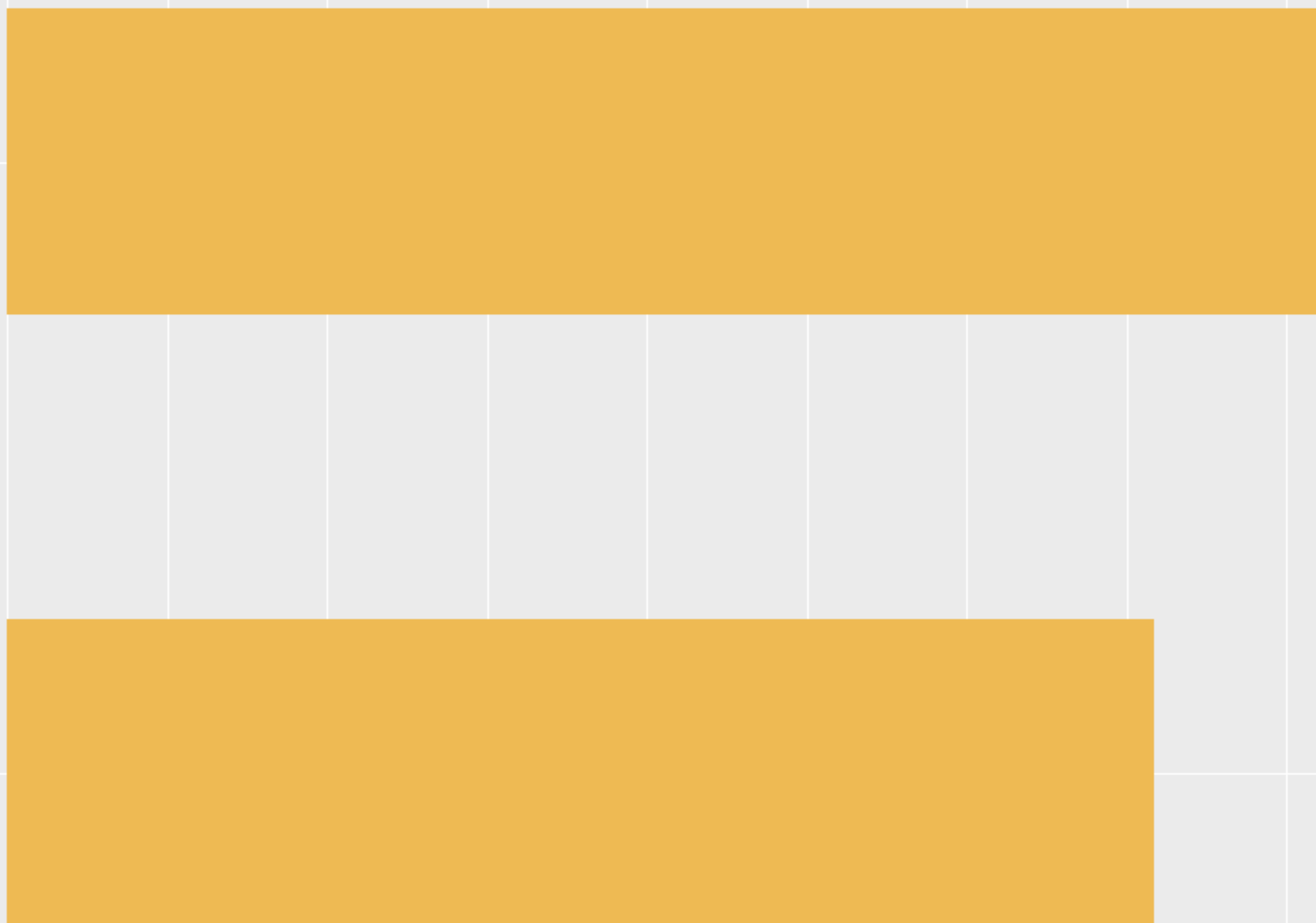
2

4

6

8

Functional Enrichment



mitotic cell cycle

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 10/41

Cluster 40/41

Cluster 2/41

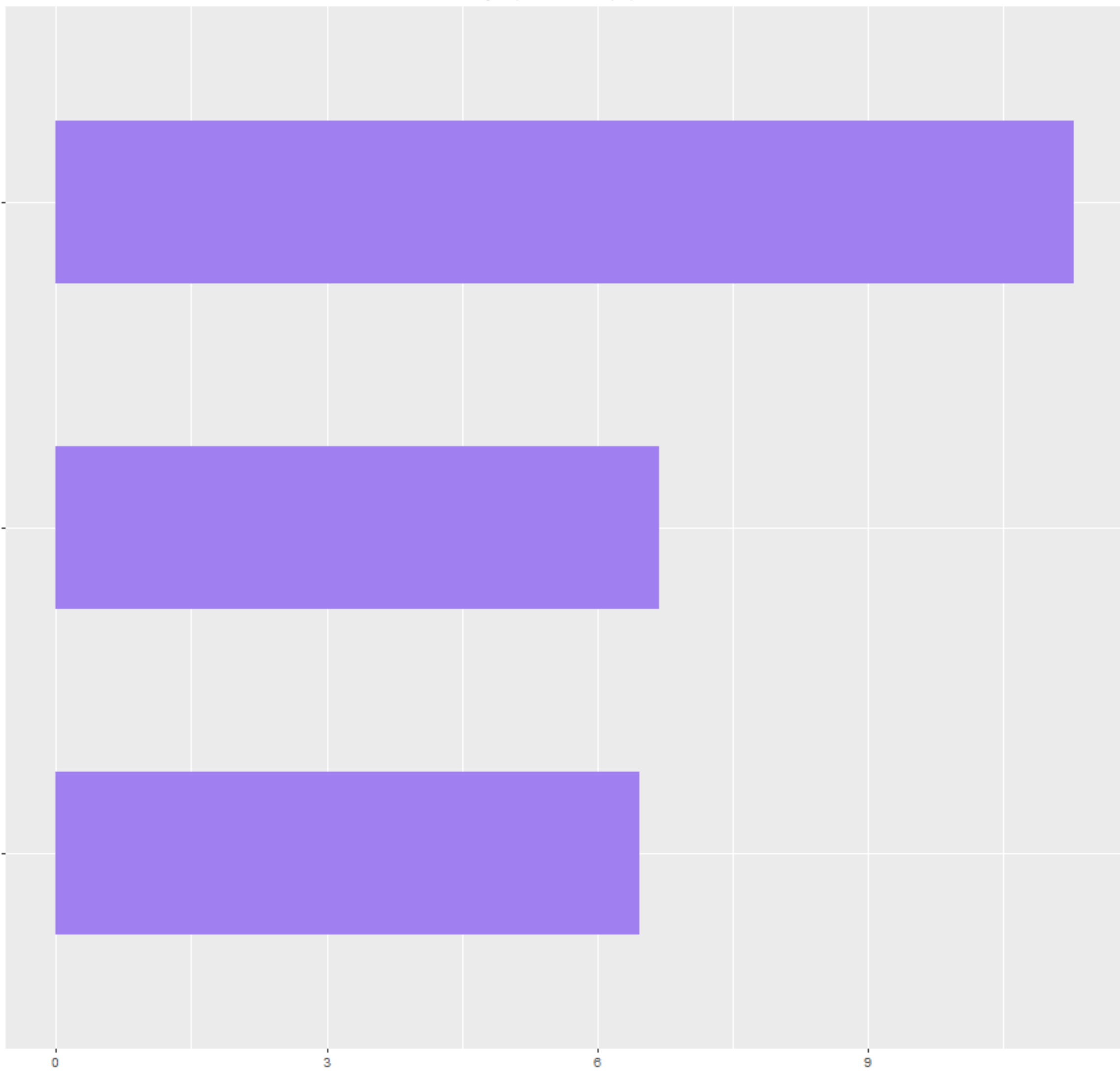
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3

6

9

Functional Enrichment



mitotic cell cycle

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 19/26

0

2

4

6

Functional Enrichment



mRNA processing

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 14/42

Cluster 8/42

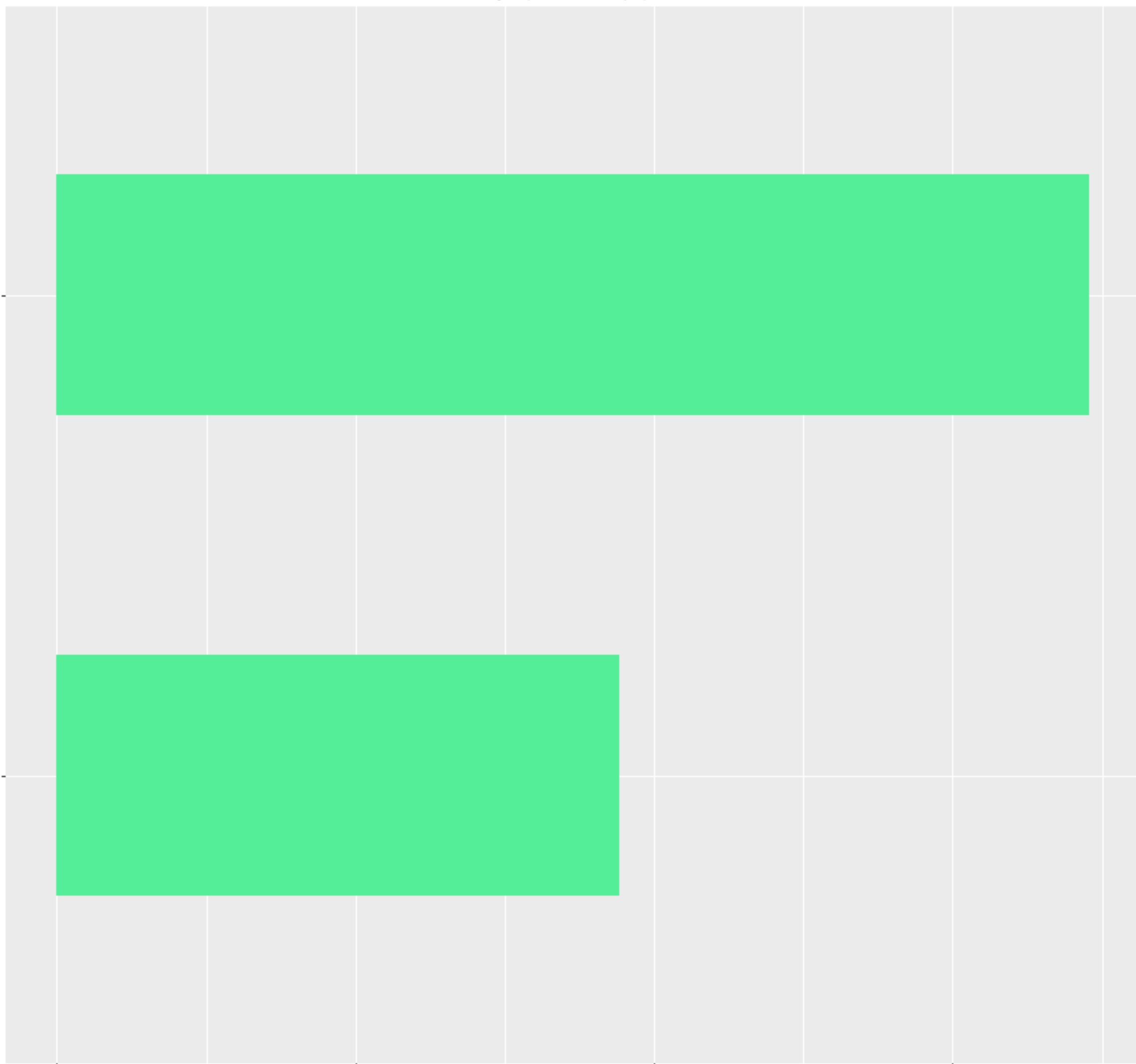
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2

4

6

Functional Enrichment



mRNA processing

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 22/24

Cluster 17/24

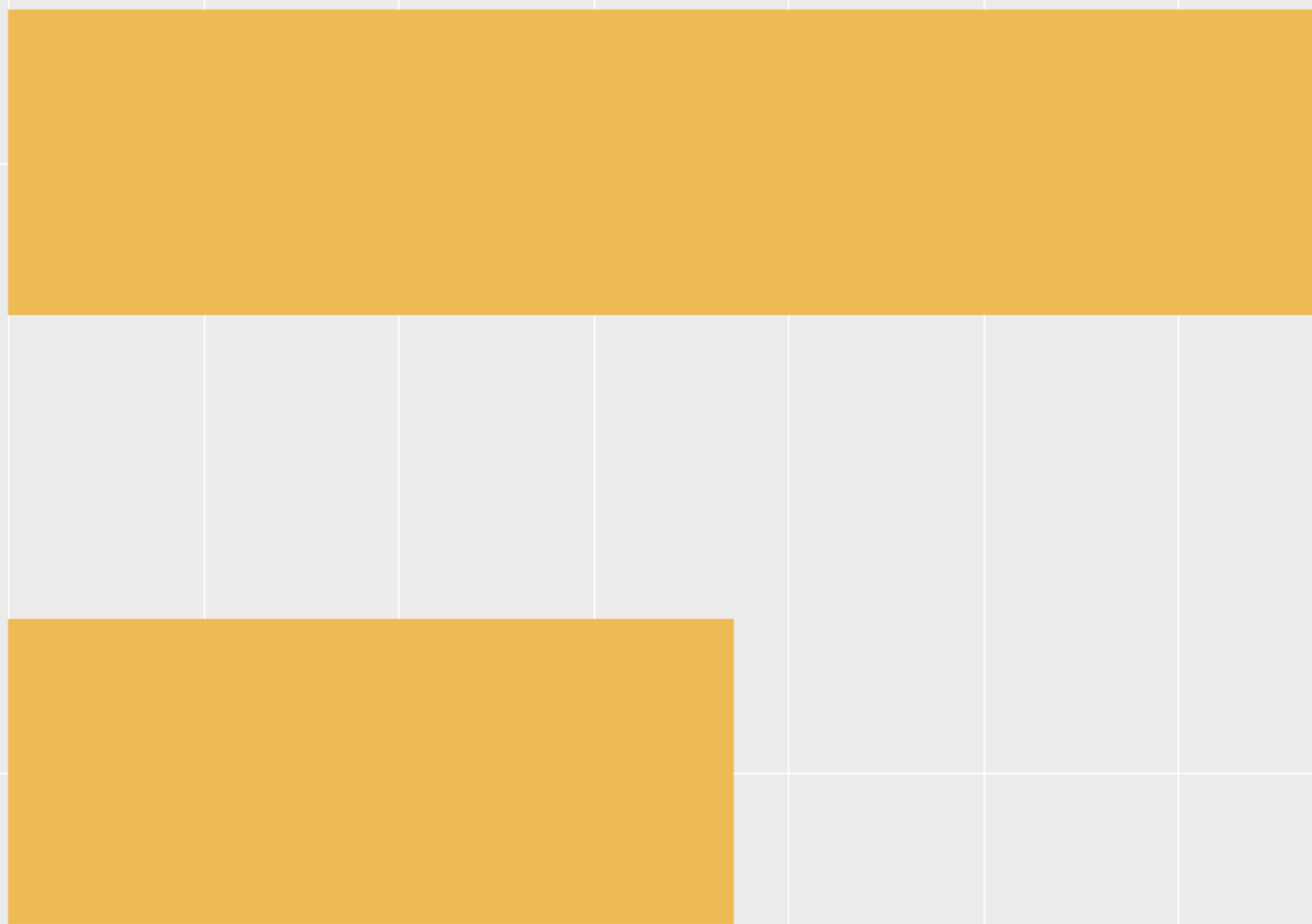
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2

4

6

Functional Enrichment



mRNA processing

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 11/41

Cluster 7/41

0

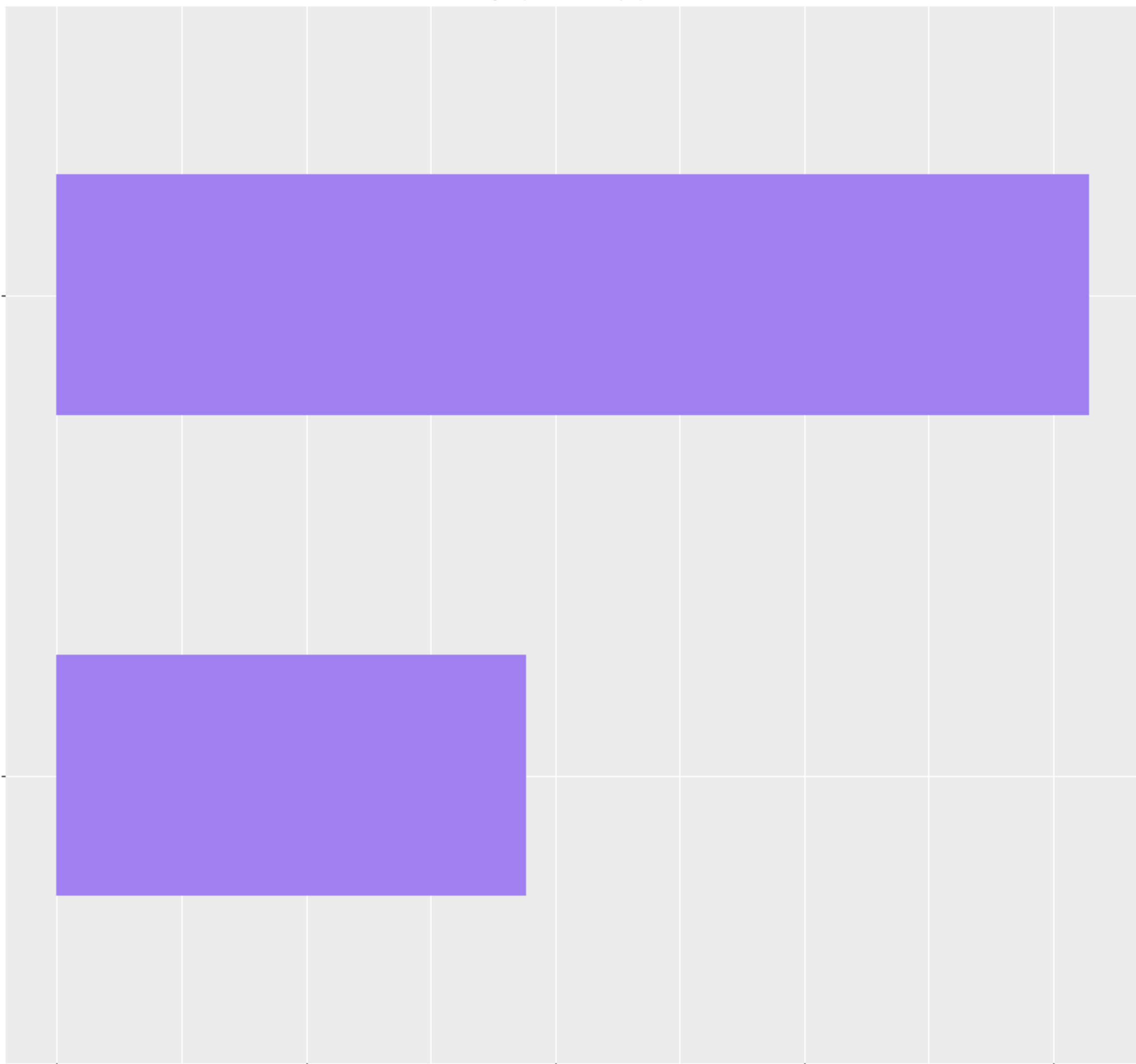
2

4

6

8

Functional Enrichment



nuclear transport

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 8/42

Cluster 25/42

Cluster 14/42

0

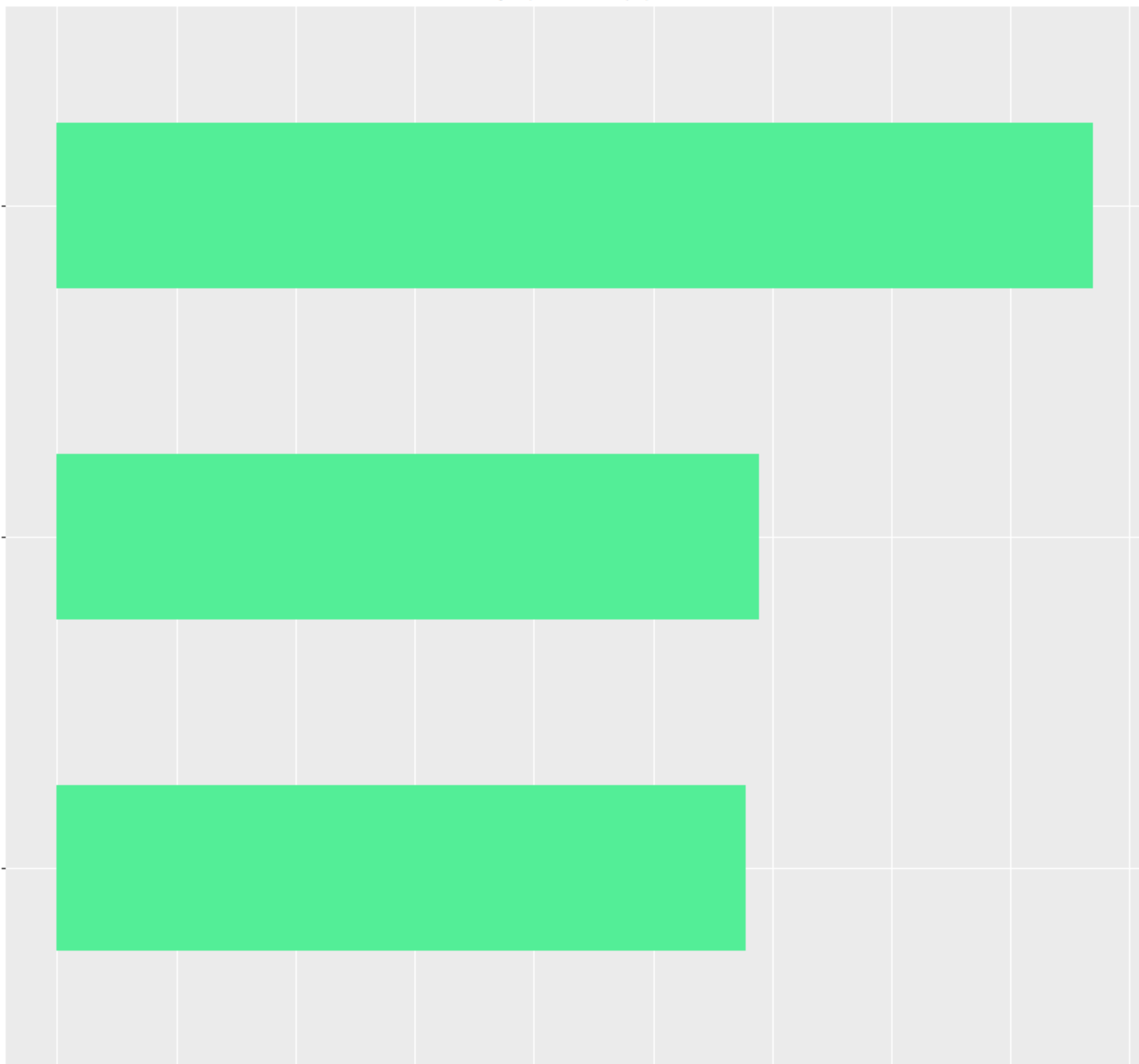
1

2

3

4

Functional Enrichment



nuclear transport

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 17/24

Cluster 22/24

0

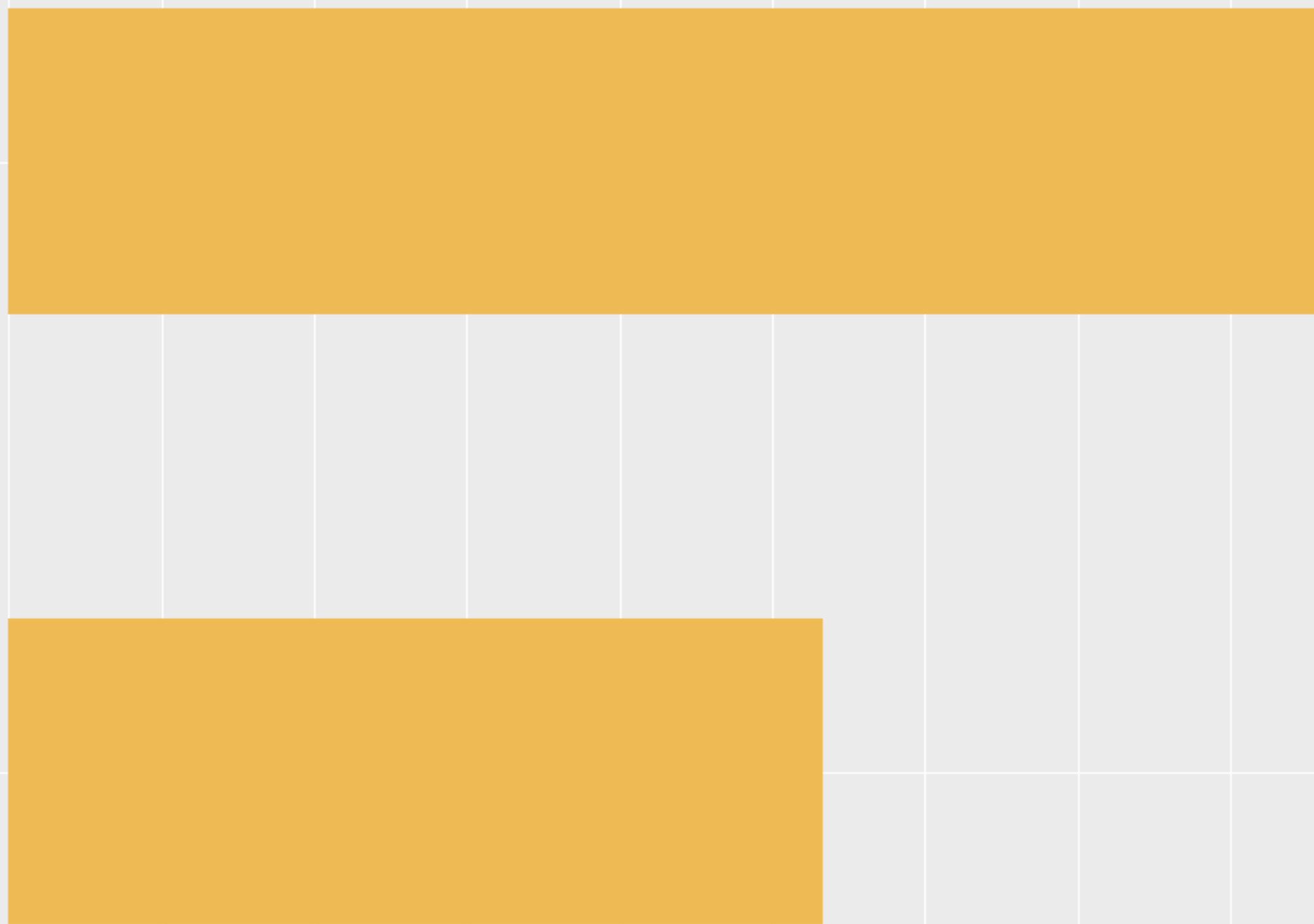
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3

4

Functional Enrichment



nuclear transport

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 7/41

Cluster 11/41

Cluster 22/41

0

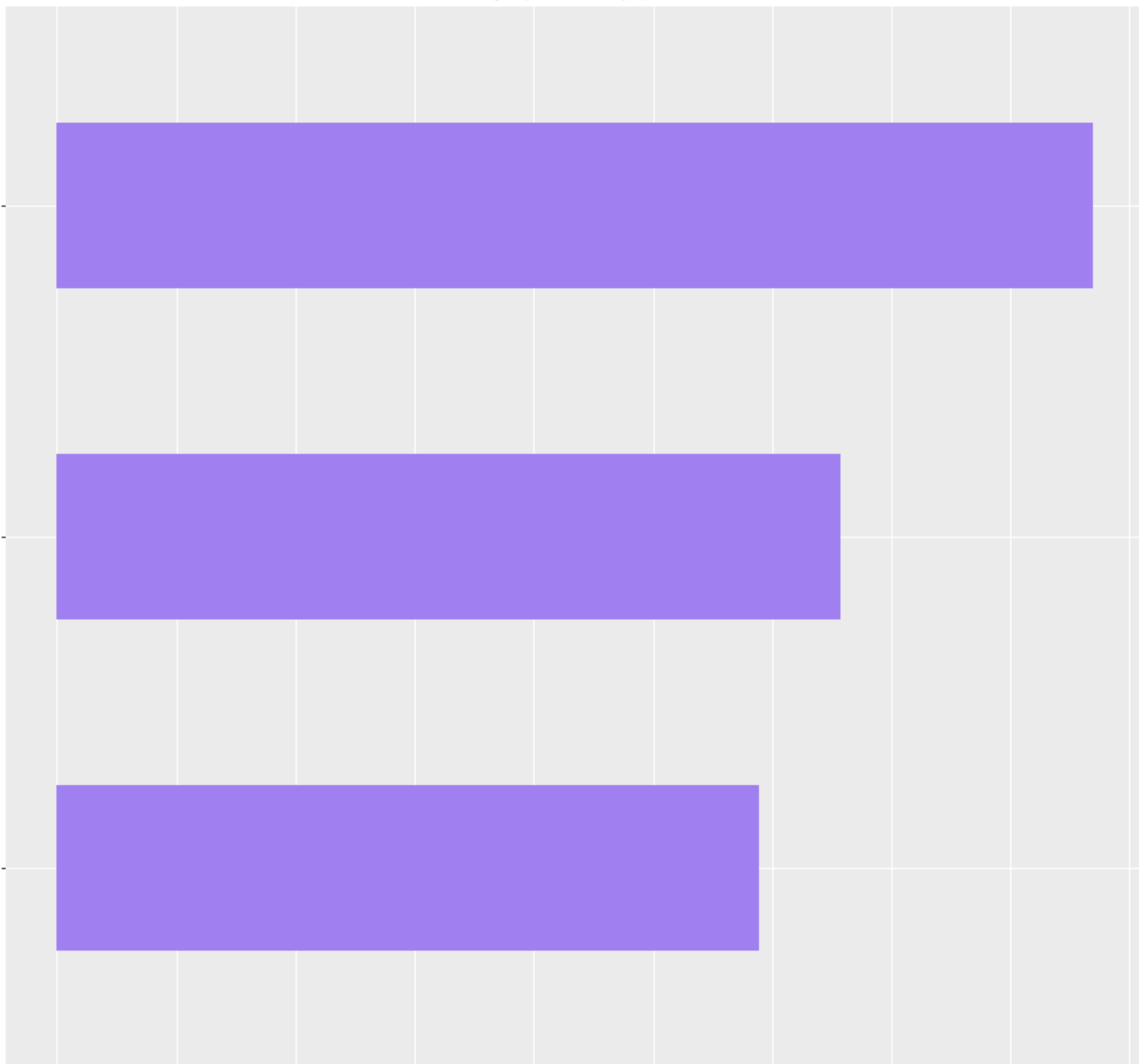
1

2

3

4

Functional Enrichment



nucleobase-containing compound transport

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 14/42

0.0

0.5

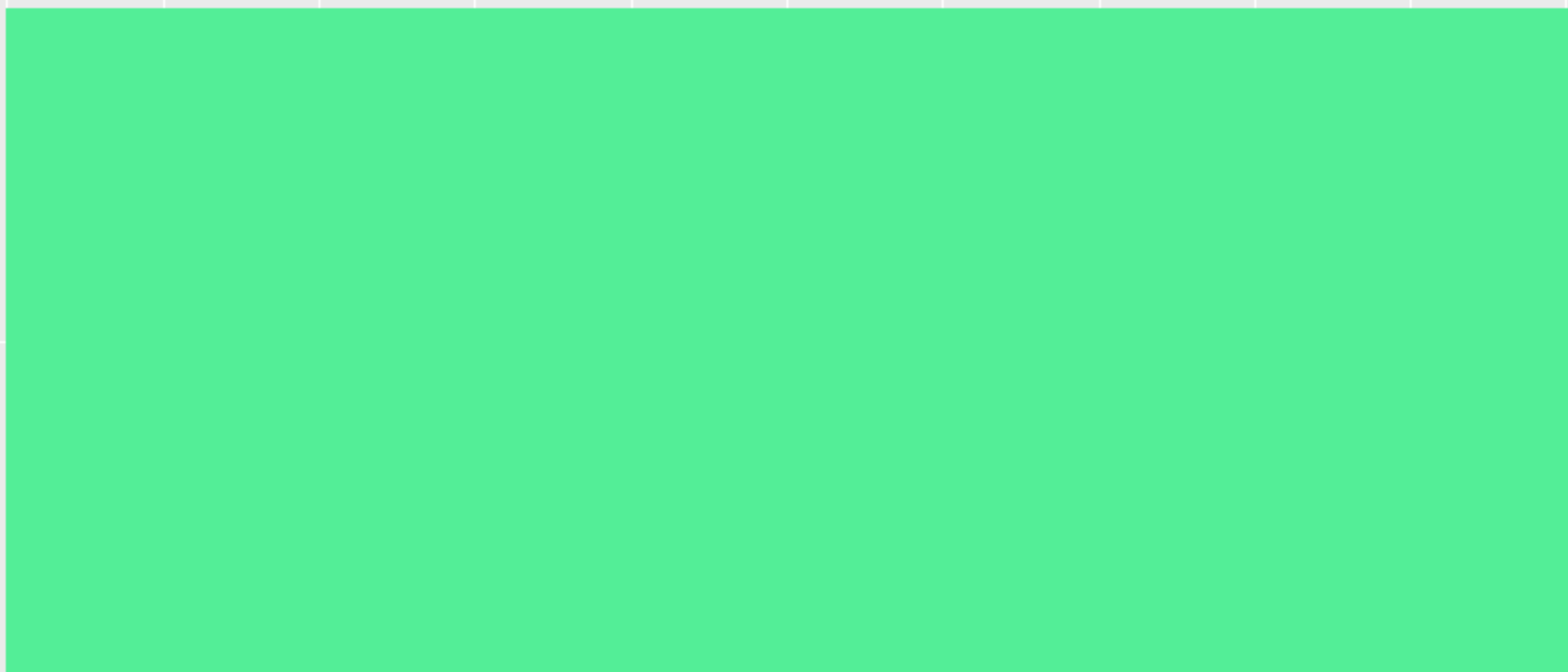
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1.5

2.0

2.5

Functional Enrichment



nucleobase-containing compound transport

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 22/24

0.0

0.5

1.0

1.5

2.0

2.5

Functional Enrichment



nucleobase-containing compound transport

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 11/41

0

1

2

3

Functional Enrichment



nucleobase-containing small molecule metabolic process

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 28/42

Cluster 23/42

0

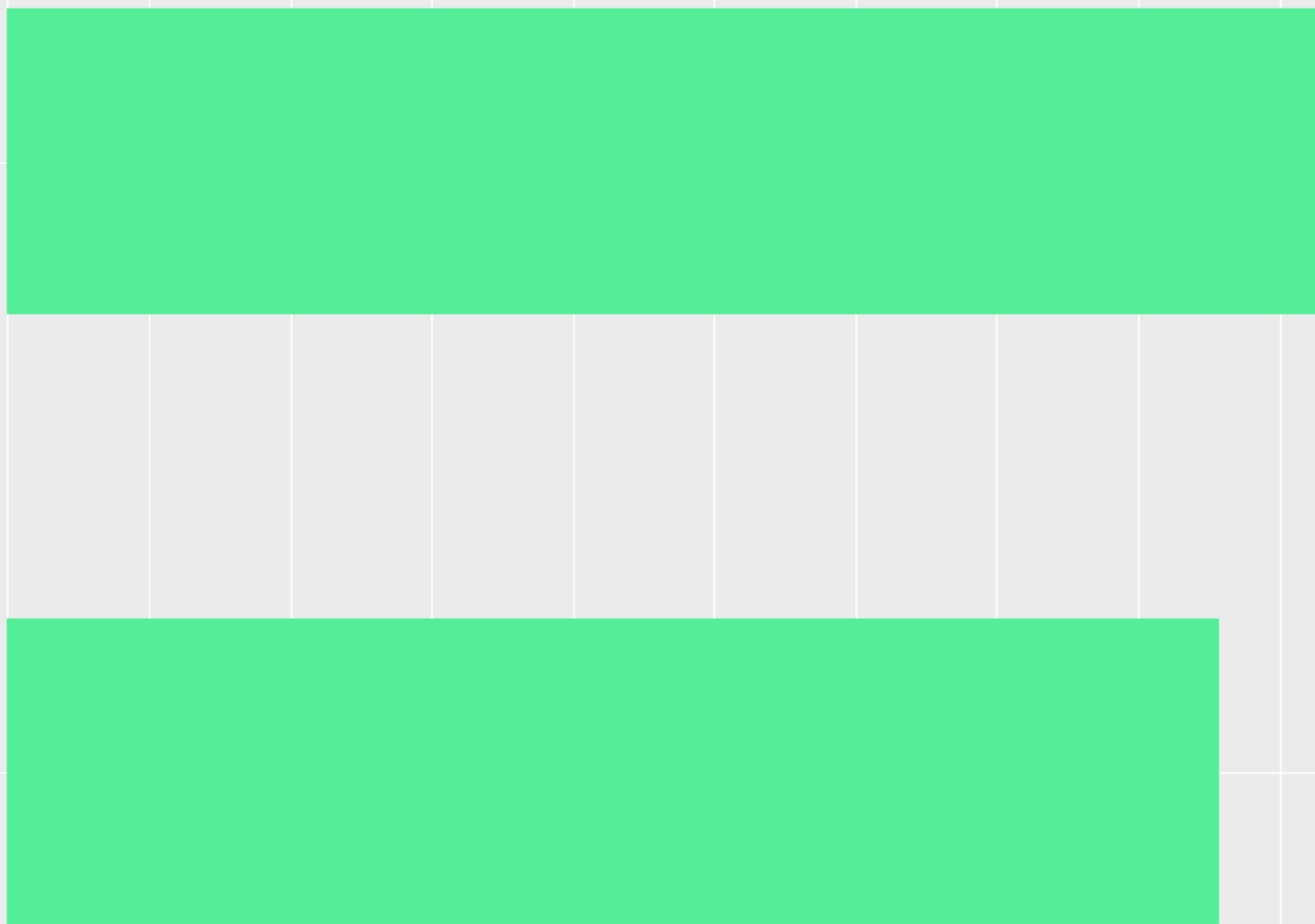
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2

3

4

Functional Enrichment



nucleobase-containing small molecule metabolic process

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 29/41

Cluster 25/41

0

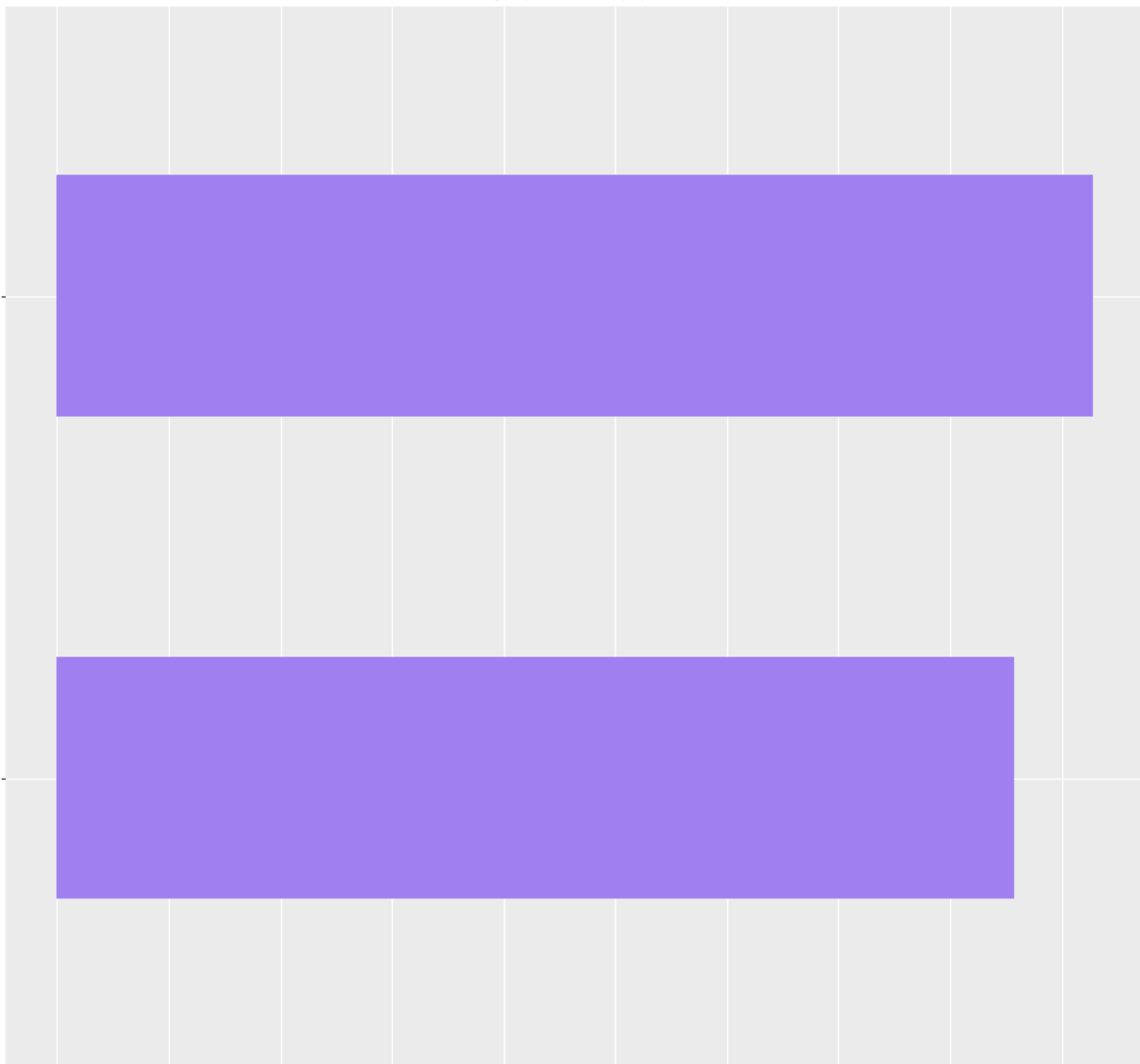
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2

3

4

Functional Enrichment



nucleobase-containing small molecule metabolic process

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 9/26

Cluster 12/26

0

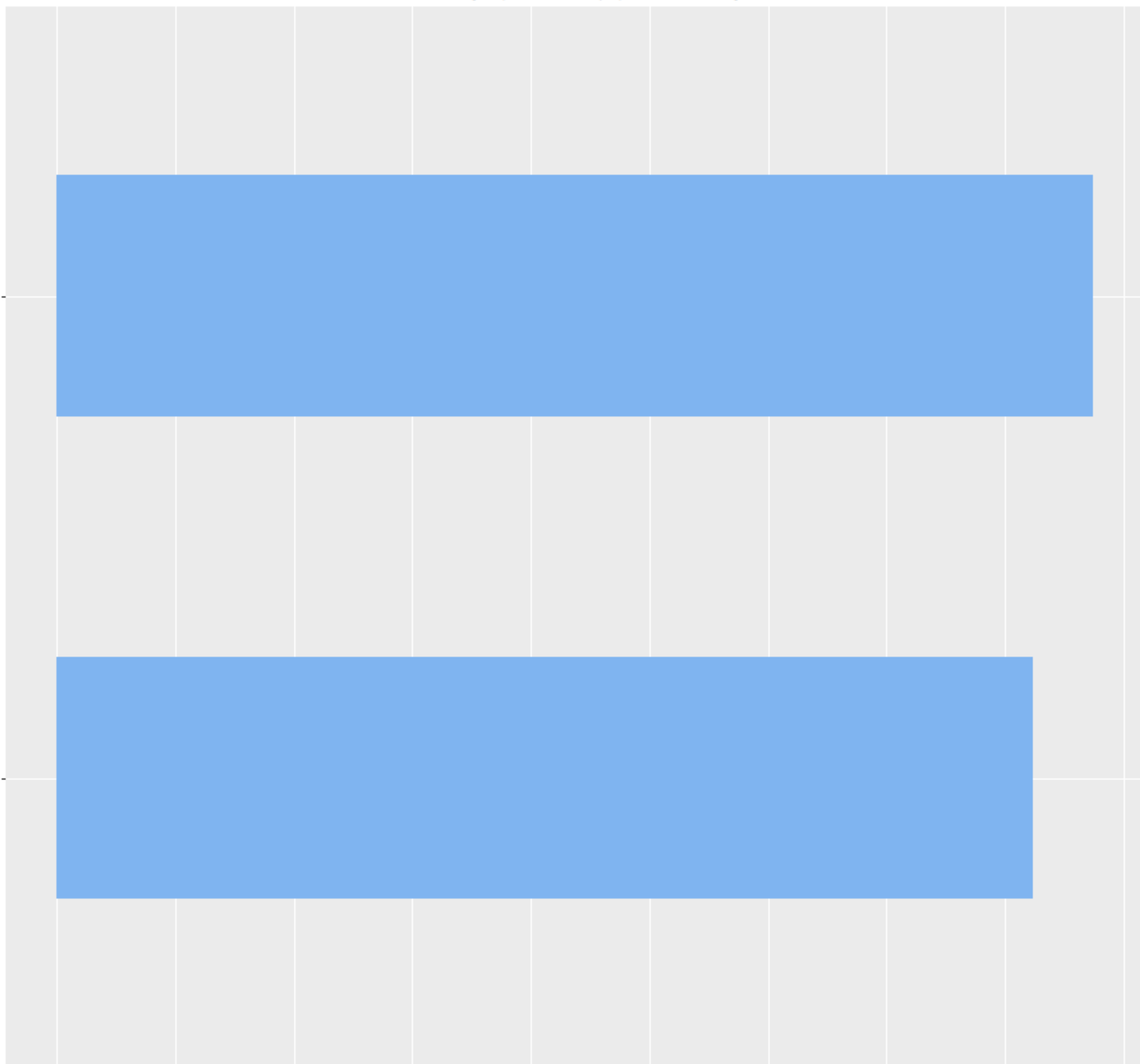
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2

3

4

Functional Enrichment



nucleus organization

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 14/42

0

1

2

3

Functional Enrichment



oligosaccharide metabolic process

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 38/42

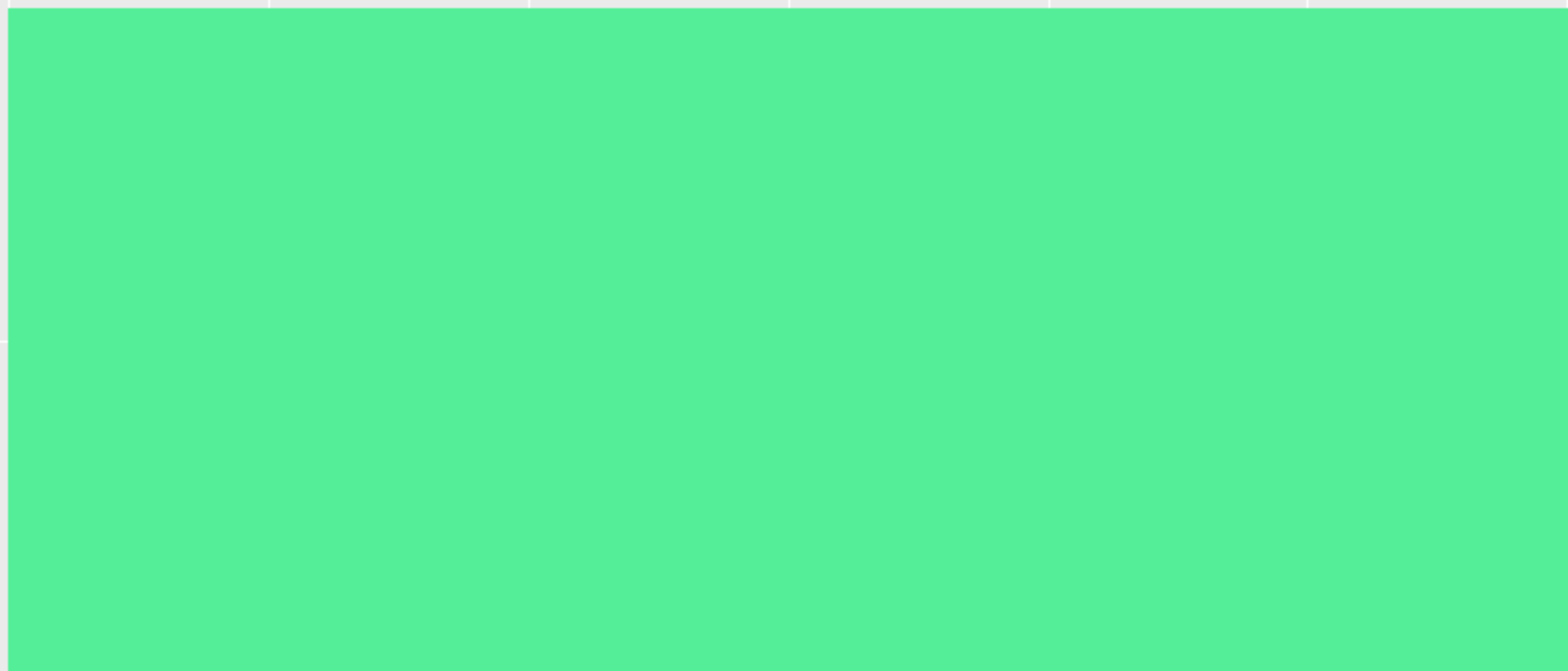
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5

10

15

Functional Enrichment



oligosaccharide metabolic process

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 37/41

0

5

10

15

Functional Enrichment



organelle assembly

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 11/42

0

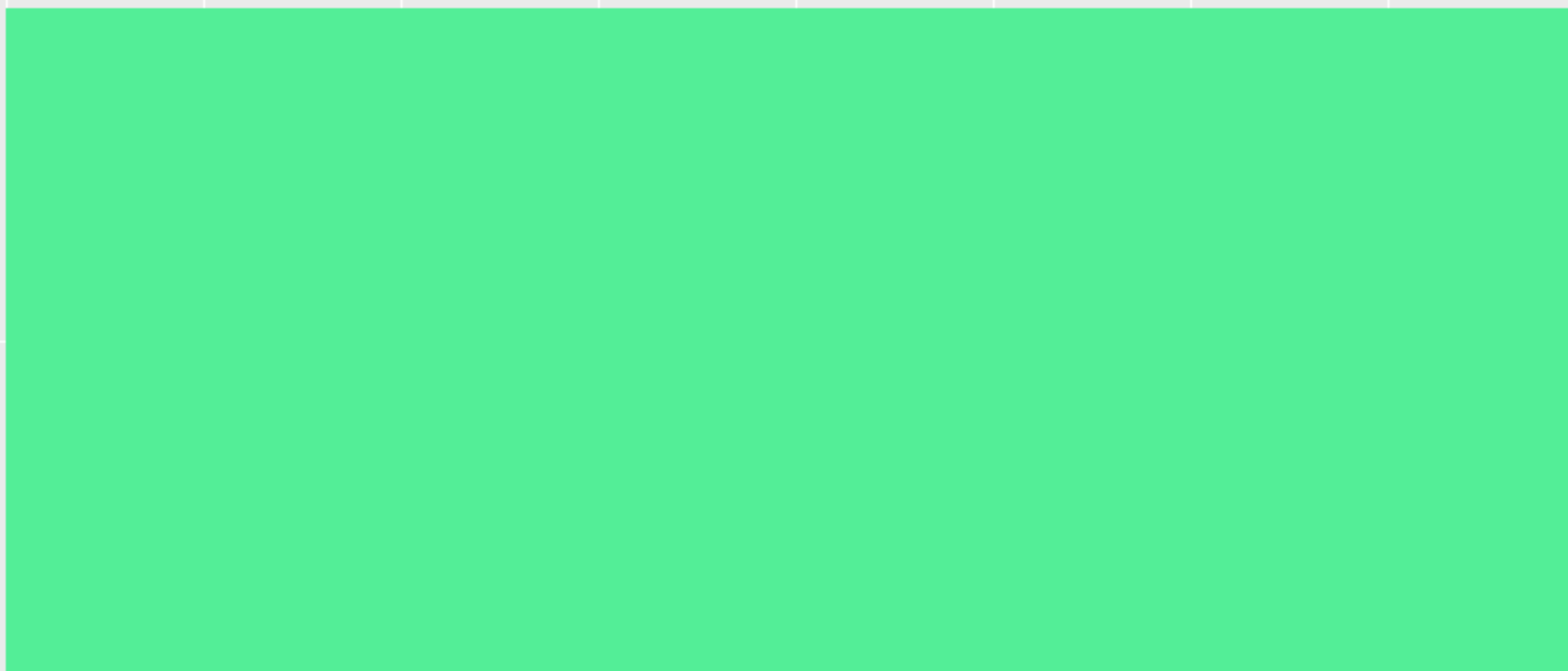
2

4

6

8

Functional Enrichment



organelle assembly

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 19/24

0

2

4

6

Functional Enrichment



organelle assembly

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 10/41

0.0

2.5

5.0

7.5

Functional Enrichment



organelle fission

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 41/42

Cluster 5/42

Cluster 11/42

0.0

2.5

5.0

7.5

10.0

Functional Enrichment



organelle fission

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 13/24

Cluster 19/24

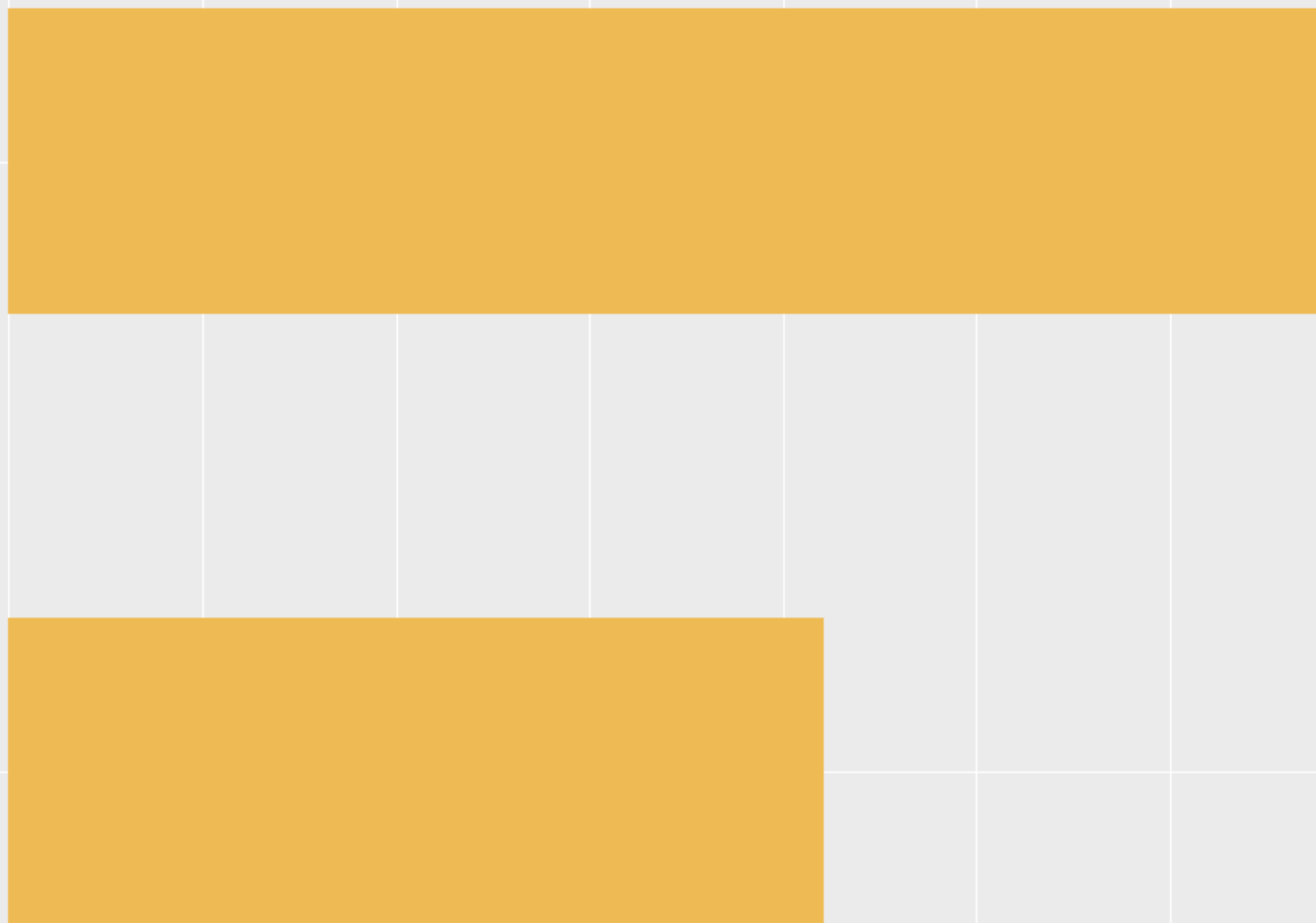
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2

4

6

Functional Enrichment



organelle fission

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 40/41

Cluster 2/41

Cluster 10/41

0.0

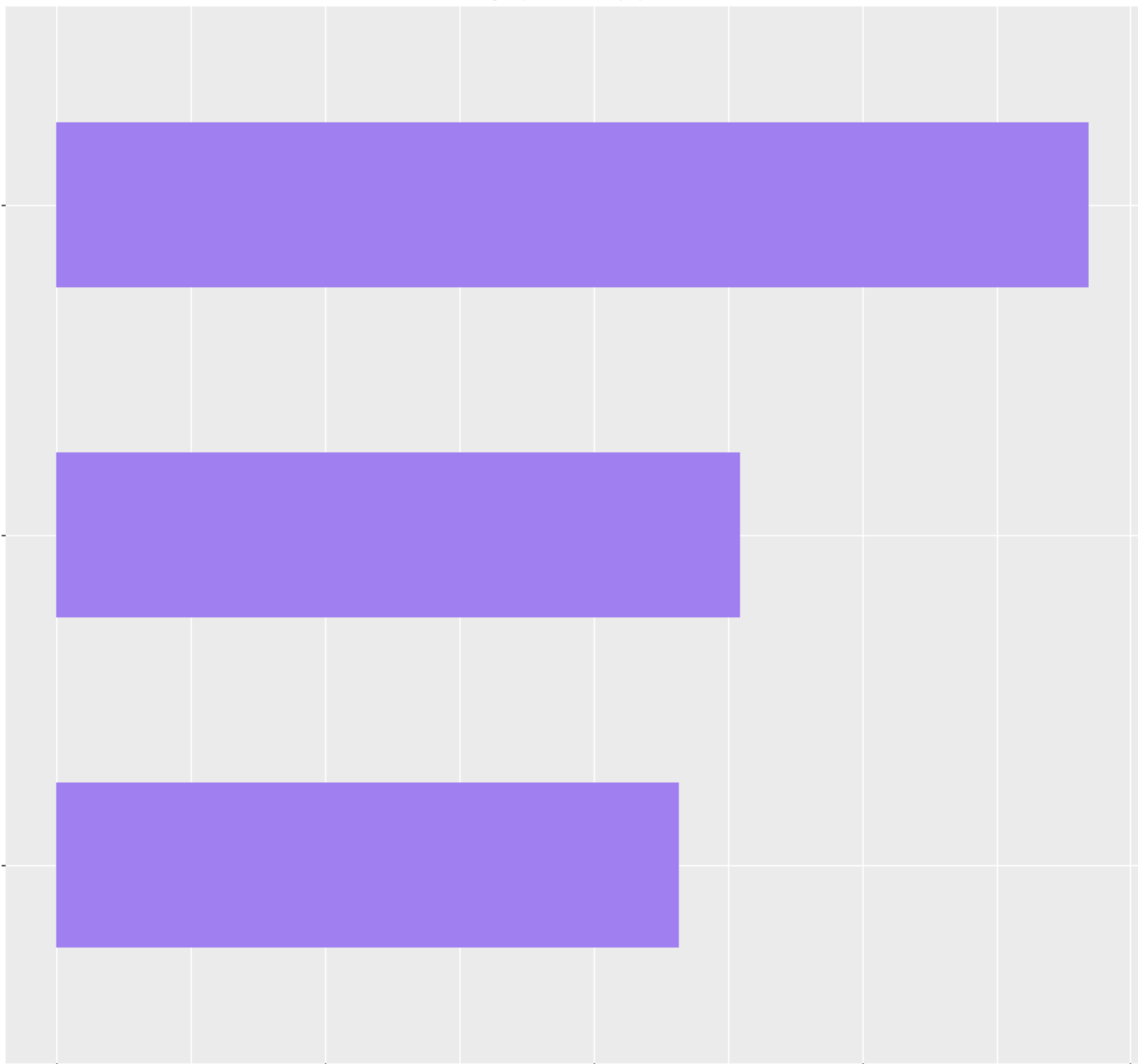
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5.0

7.5

10.0

Functional Enrichment



organelle fission

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 19/26

0

3

6

9

Functional Enrichment



organelle fusion

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 14/42

0

1

2

3

4

5

Functional Enrichment



organelle fusion

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 22/24

0

1

2

3

4

Functional Enrichment



organelle inheritance

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 40/42

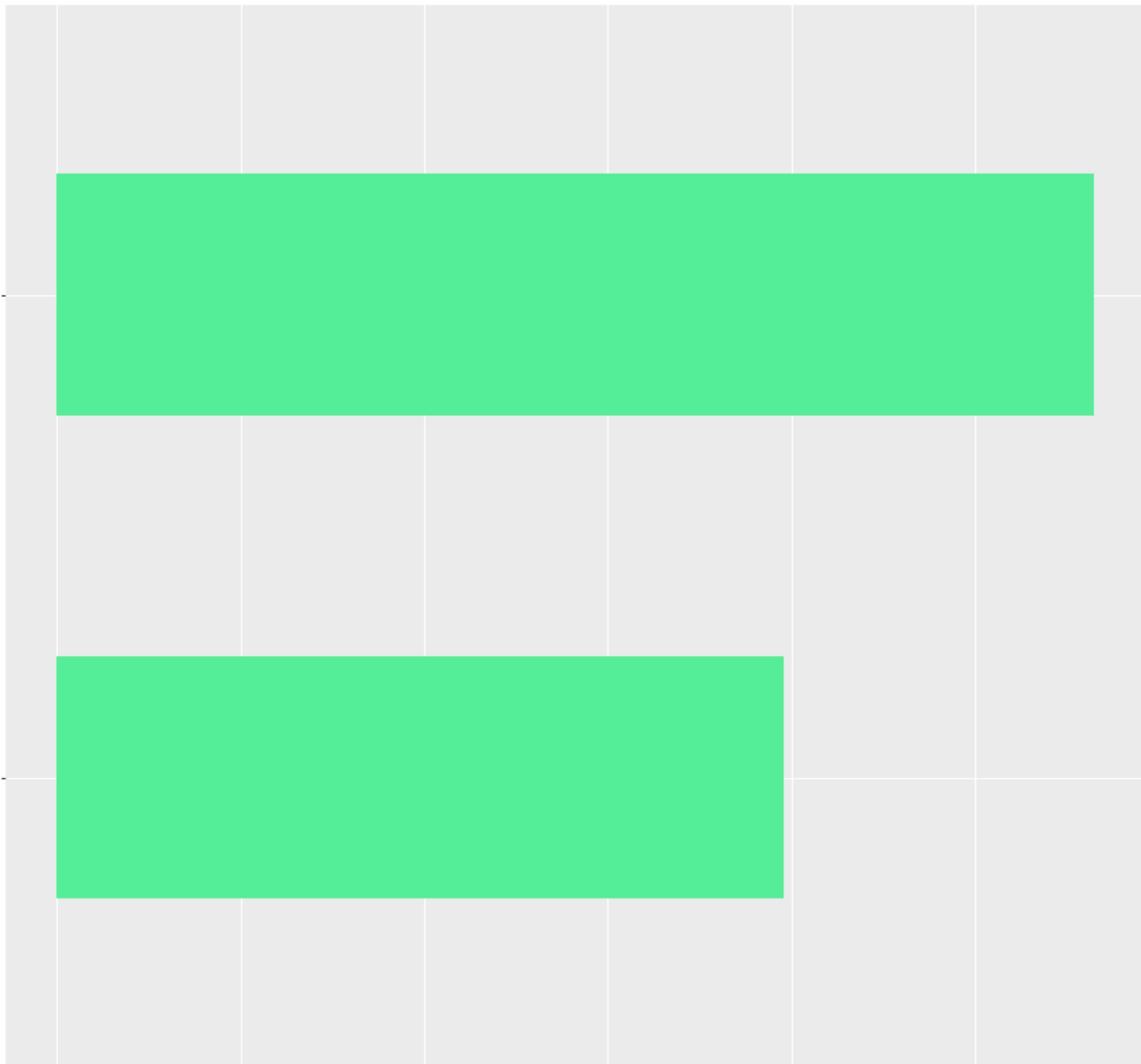
Cluster 14/42

0

2

4

Functional Enrichment



organelle inheritance

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 22/24

0

1

2

3

4

Functional Enrichment



organelle inheritance

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 41/41

0

2

4

Functional Enrichment



organelle inheritance

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 5/26

0

1

2

3

4

Functional Enrichment



peptidyl-amino acid modification

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 14/42

0.0

0.5

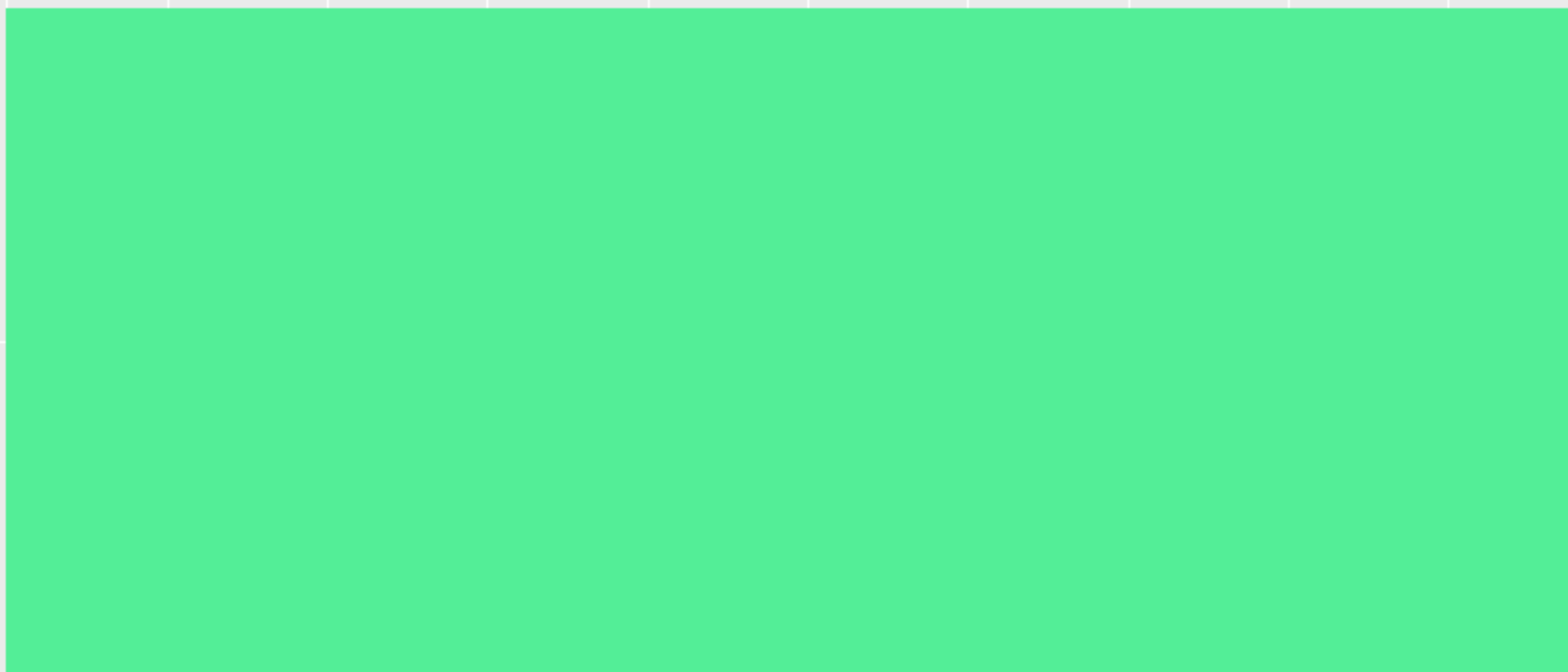
1.0

1.5

2.0

2.5

Functional Enrichment



peptidyl-amino acid modification

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 22/24

0.0

0.5

Functional Enrichment

1.5

2.0



peptidyl-amino acid modification

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 40/41

Cluster 11/41

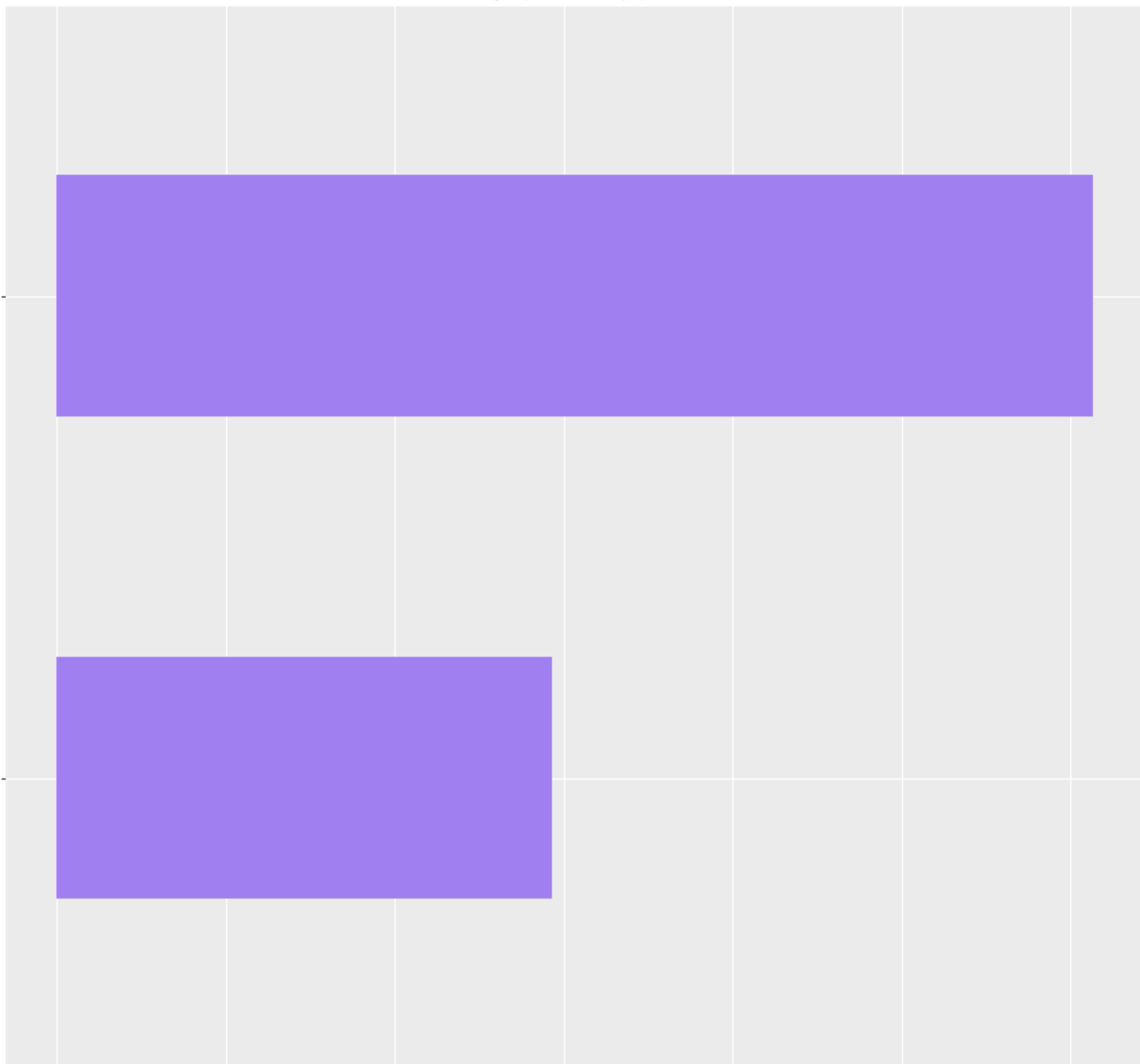
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2

4

6

Functional Enrichment



peptidyl-amino acid modification

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 11/26

0.0

0.5

1.0

1.5

2.0

Functional Enrichment

protein acylation

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 29/42

0

1

2

3

4

Functional Enrichment



protein acylation

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 30/41

0

1

2

3

4

Functional Enrichment



protein acylation

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 13/26

0

1

2

3

4

Functional Enrichment



protein alkylation

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 27/42

0

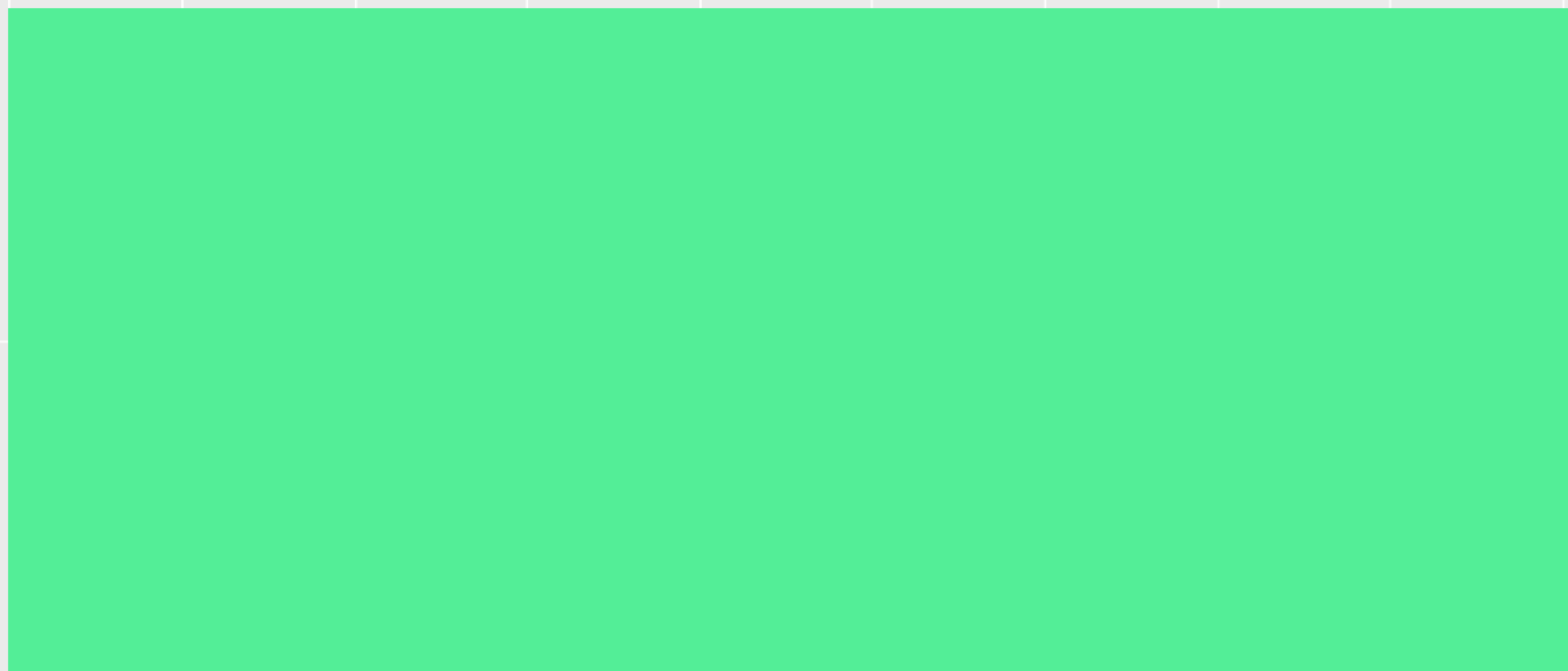
1

2

3

4

Functional Enrichment



protein alkylation

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 26/41

0

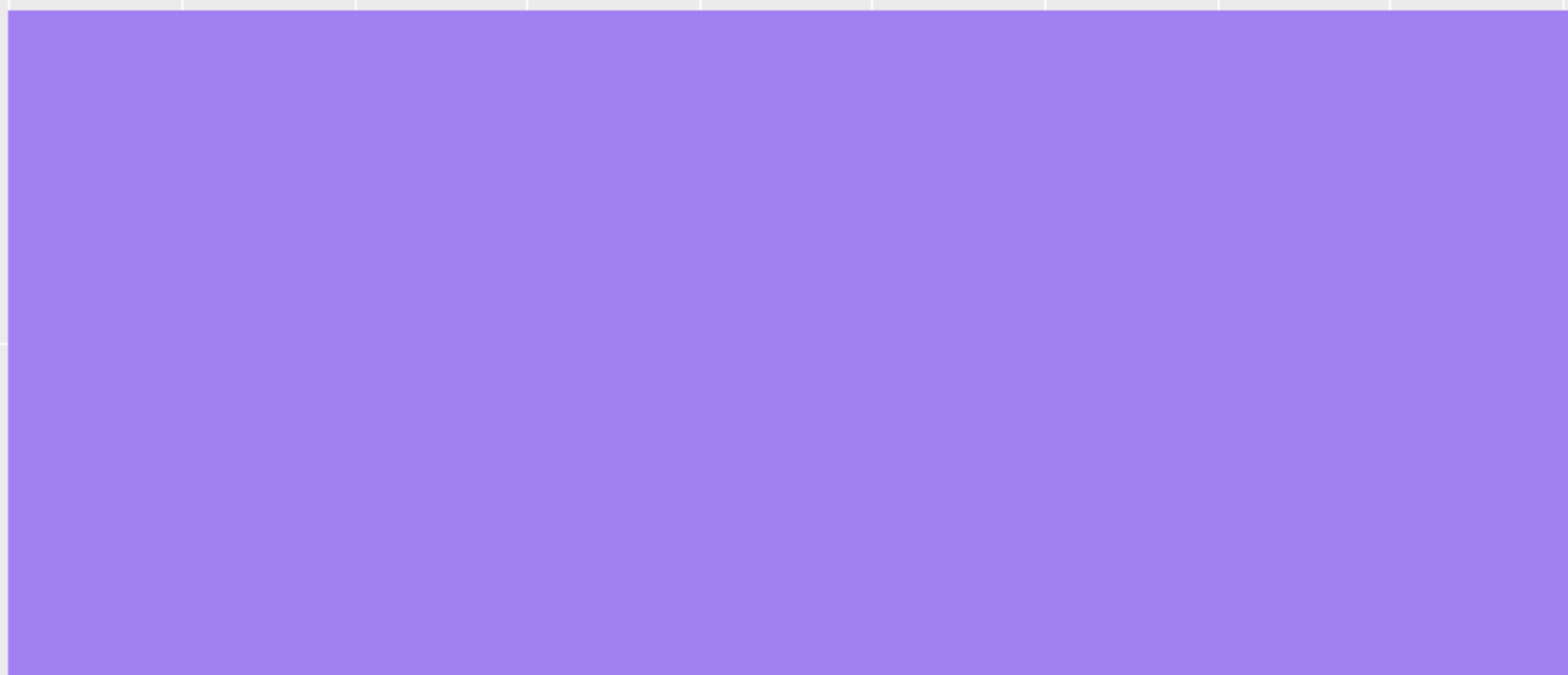
1

2

3

4

Functional Enrichment



protein alkylation

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 11/26

0

1

2

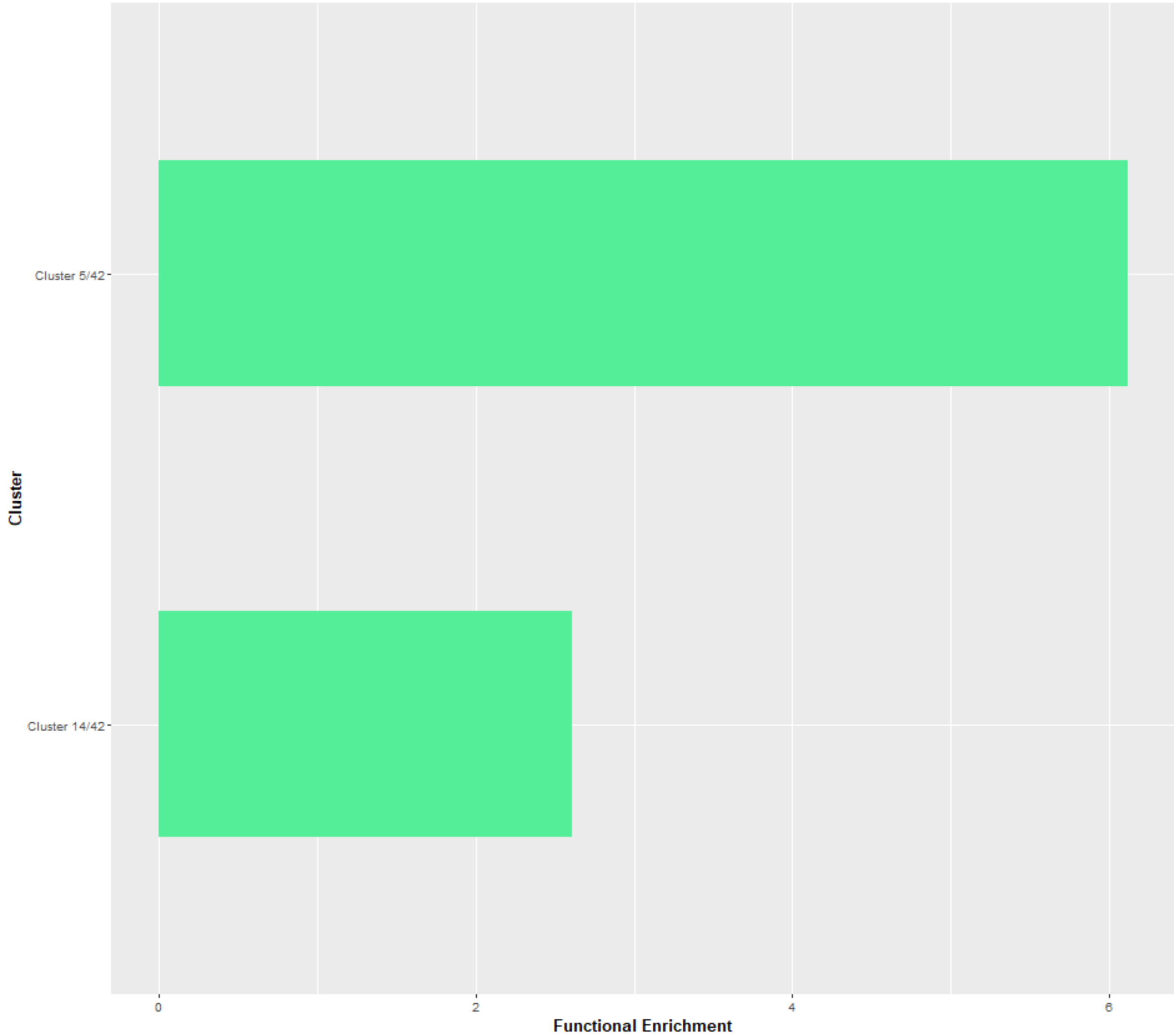
3

4

Functional Enrichment



protein complex biogenesis
With CellCycle | With AreaShape | All Genes



protein complex biogenesis

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 13/24

Cluster 22/24

0

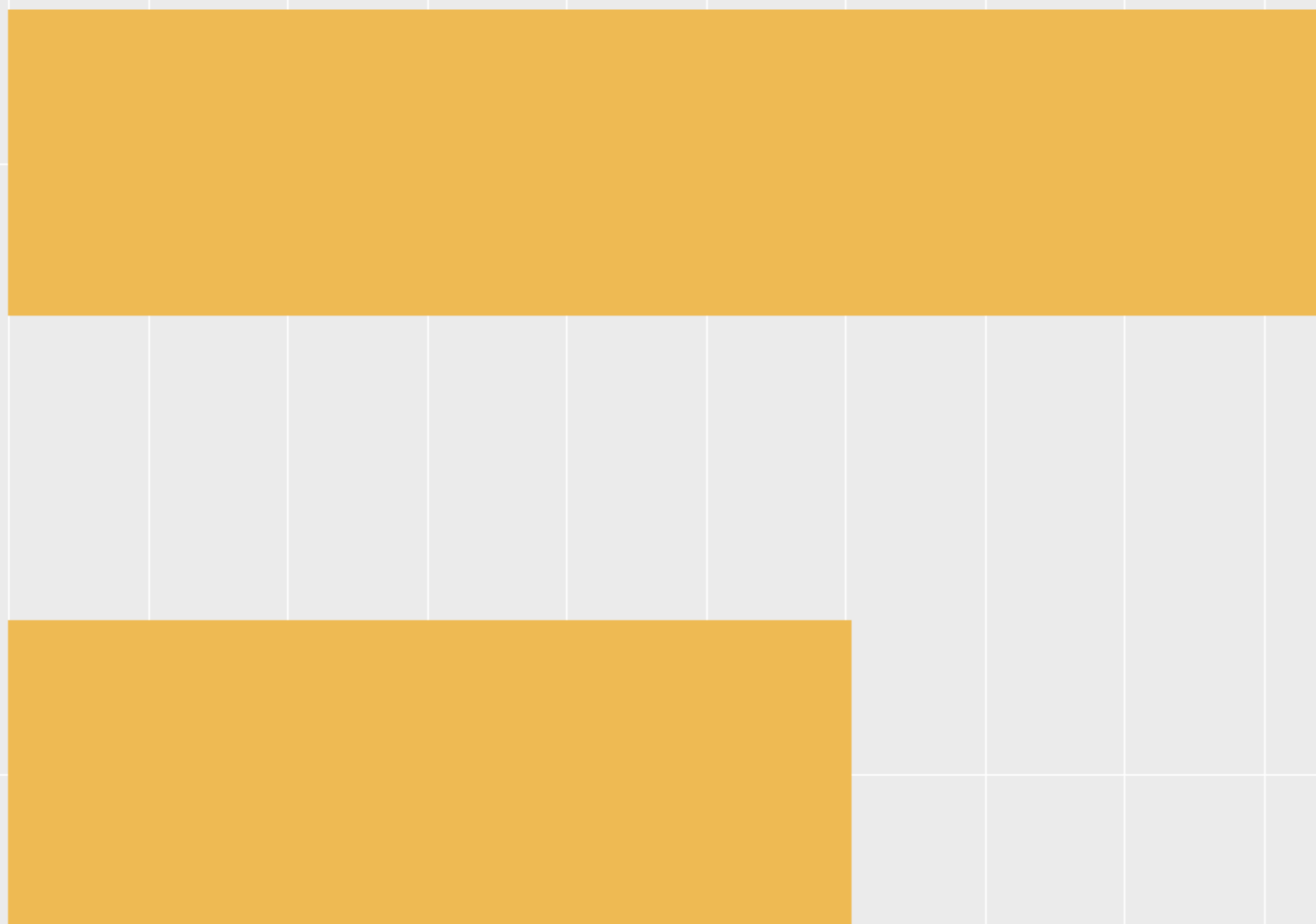
1

2

3

4

Functional Enrichment



protein complex biogenesis

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 2/41

Cluster 11/41

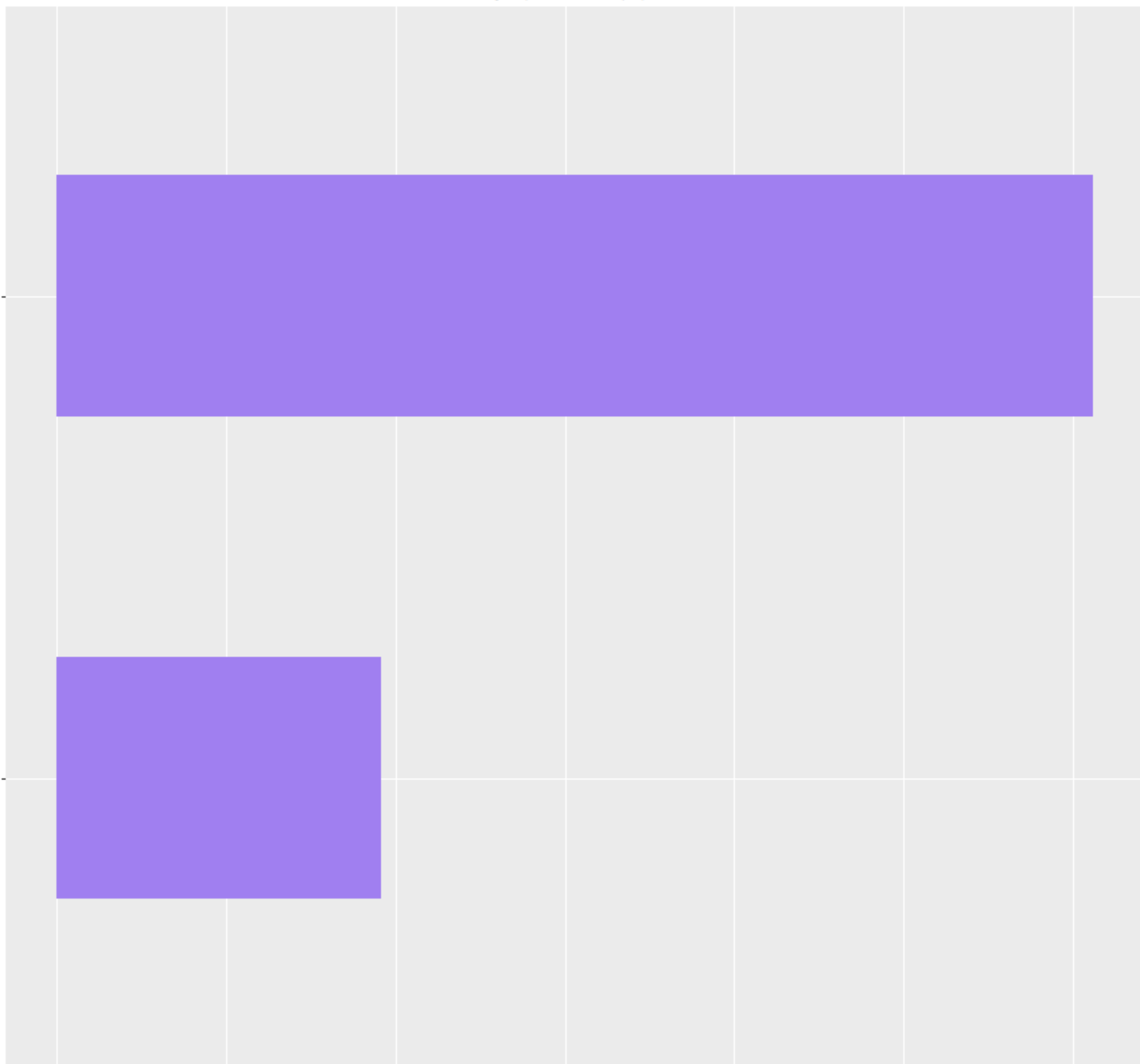
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2

4

6

Functional Enrichment



protein dephosphorylation

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 40/42

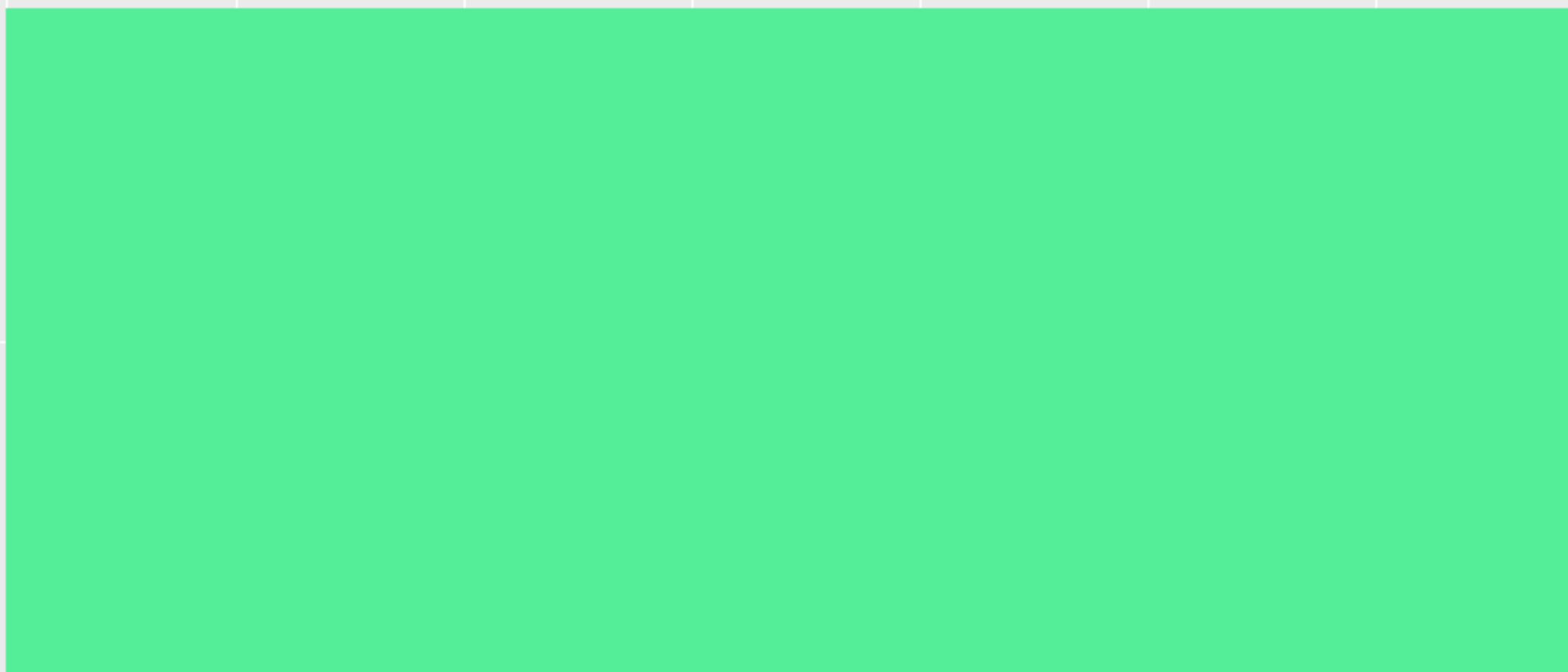
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2

4

6

Functional Enrichment



protein dephosphorylation

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 21/26

0.0

2.5

5.0

7.5

Functional Enrichment



protein lipidation

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 14/42

0

1

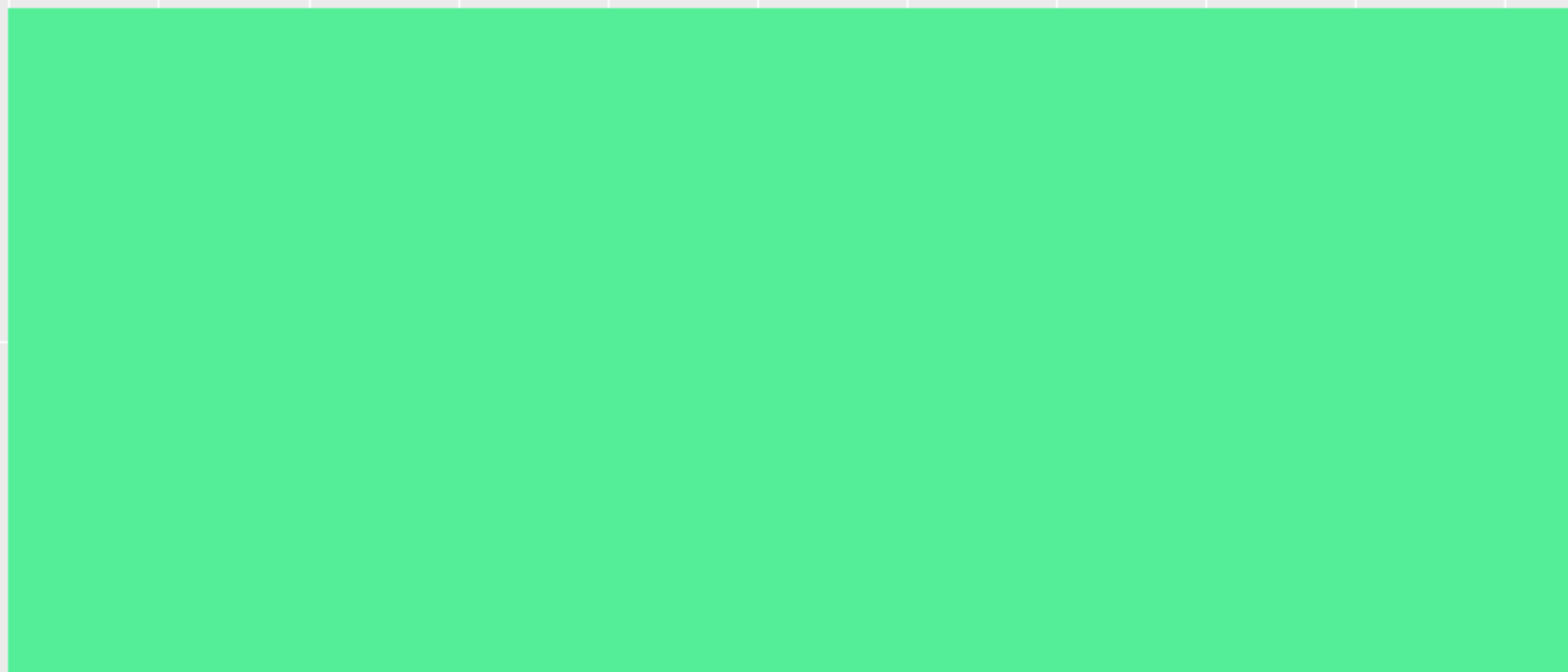
2

3

4

5

Functional Enrichment



protein lipidation

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 22/24

0

1

2

3

4

5

Functional Enrichment



protein lipidation

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 11/41

0

2

4

6

Functional Enrichment



protein modification by small protein conjugation or removal

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 5/42

0

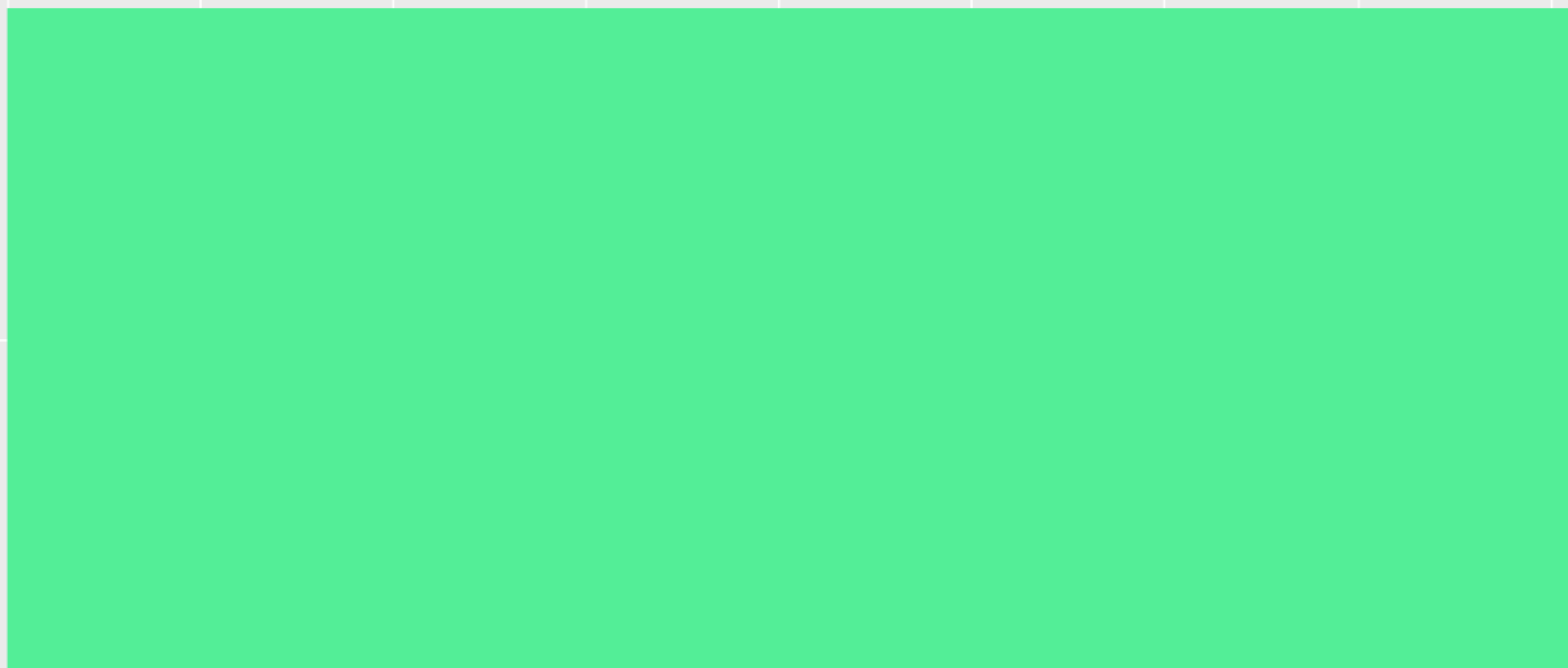
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Functional Enrichment



protein modification by small protein conjugation or removal

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 13/24

0

1

2

3

Functional Enrichment



protein modification by small protein conjugation or removal

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 40/41

Cluster 31/41

Cluster 2/41

0

1

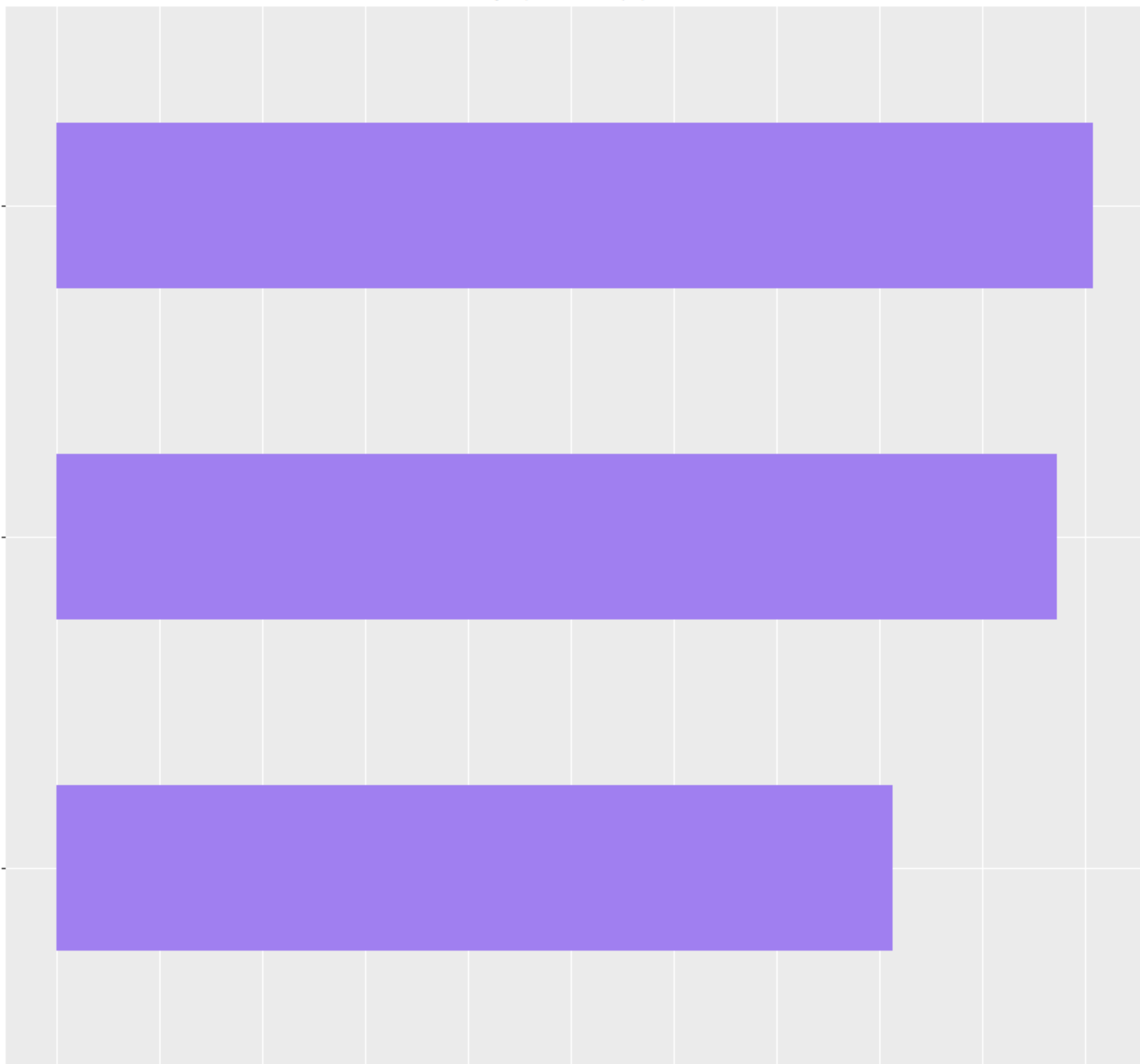
2

3

4

5

Functional Enrichment



protein modification by small protein conjugation or removal

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 15/26

0

1

2

3

4

Functional Enrichment



protein targeting

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 14/42

0.0

0.5

1.0

1.5

2.0

Functional Enrichment



protein targeting

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 22/24

0.0

0.5

1.0

1.5

2.0

Functional Enrichment



protein targeting

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 11/41

0.0

0.5

1.0

1.5

2.0

Functional Enrichment



protein targeting

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 15/26

0

1

2

3

Functional Enrichment



proteolysis involved in cellular protein catabolic process

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 5/42

0

1

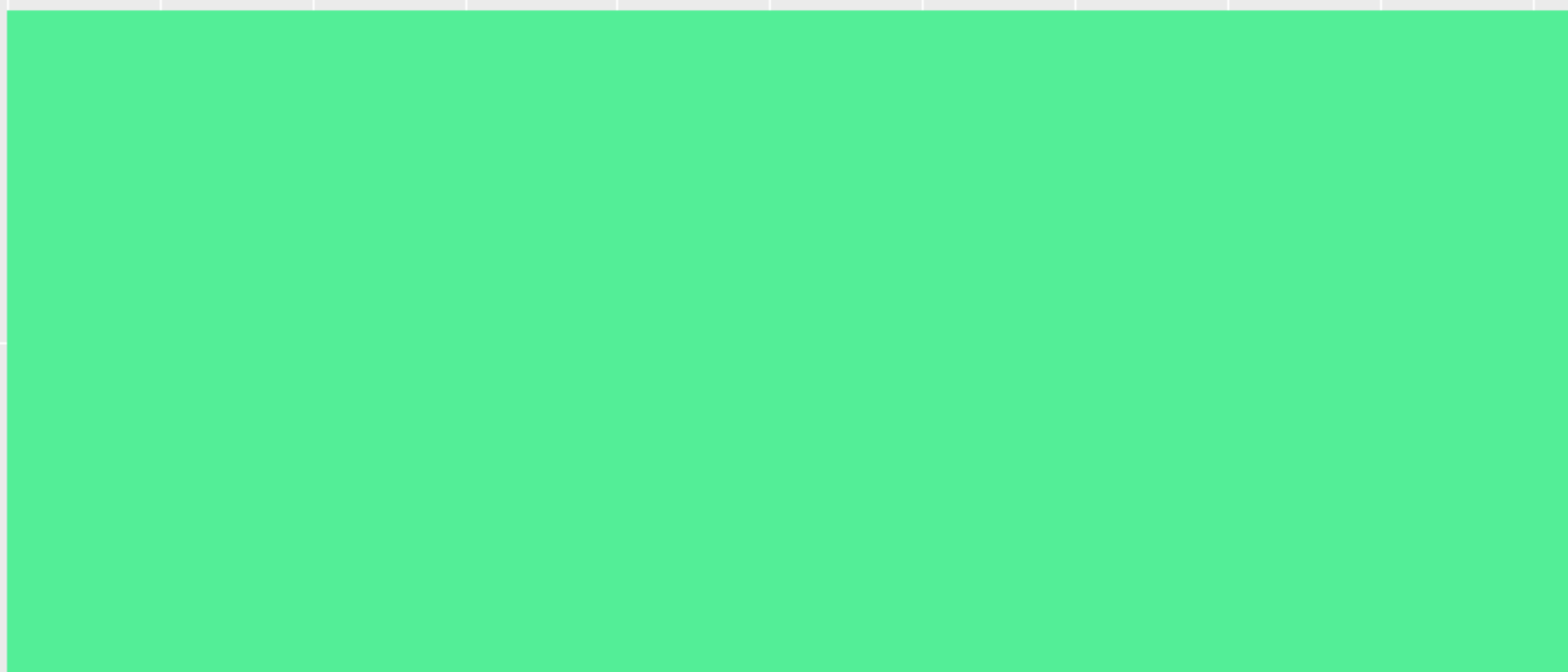
2

3

4

5

Functional Enrichment



proteolysis involved in cellular protein catabolic process

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 19/24

Cluster 13/24

Cluster 22/24

0

1

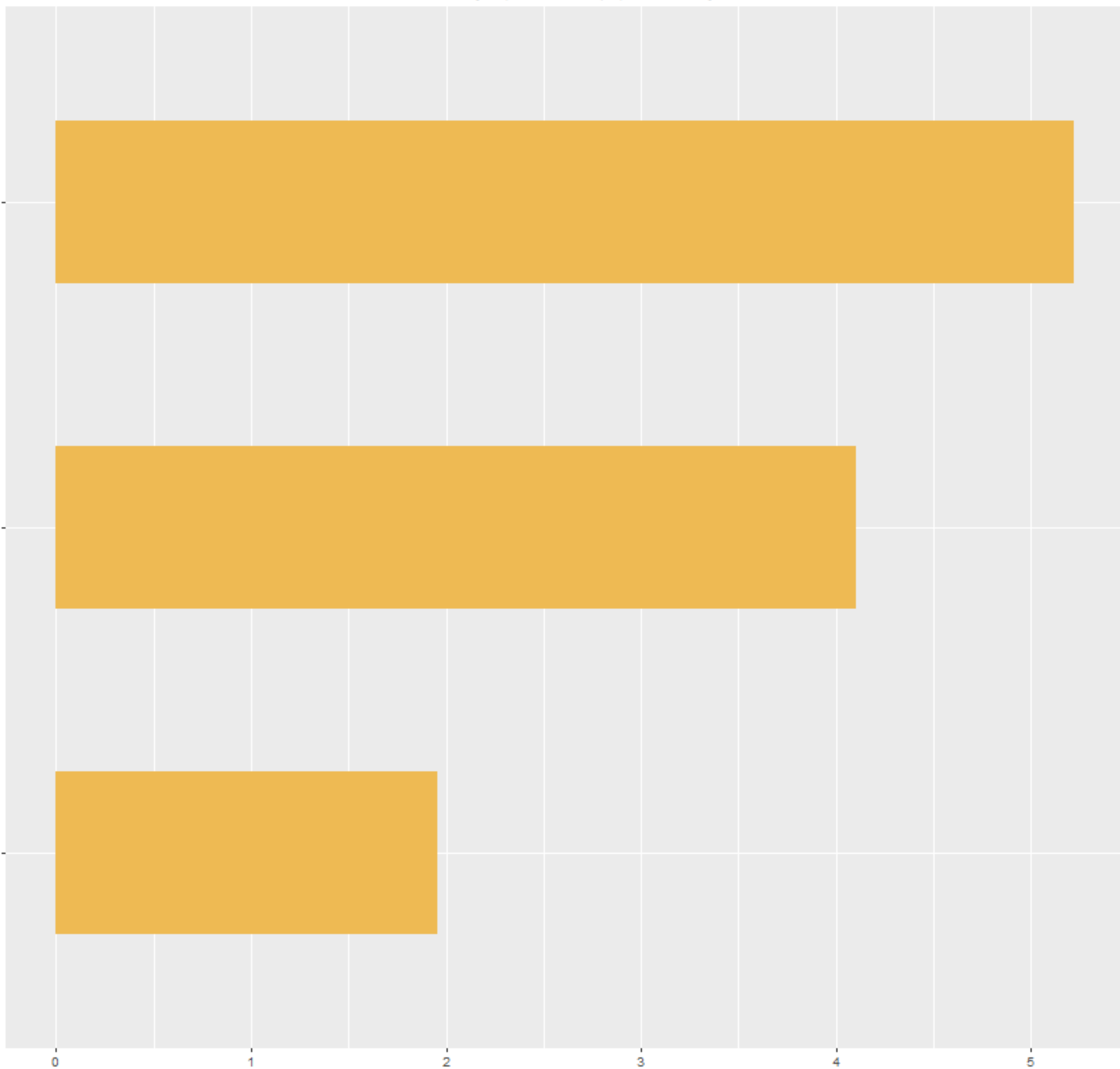
2

3

4

5

Functional Enrichment



proteolysis involved in cellular protein catabolic process

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 2/41

0

1

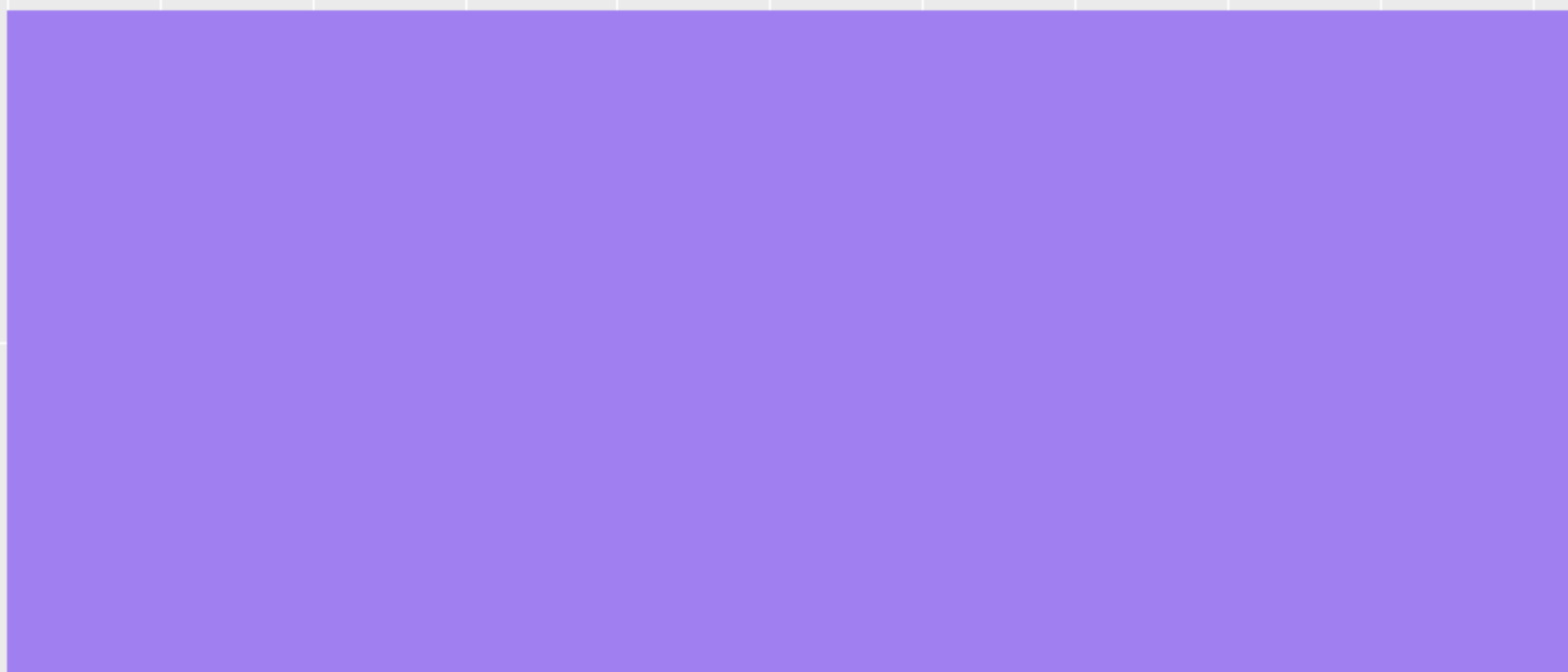
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4

5

Functional Enrichment



proteolysis involved in cellular protein catabolic process

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 15/26

0

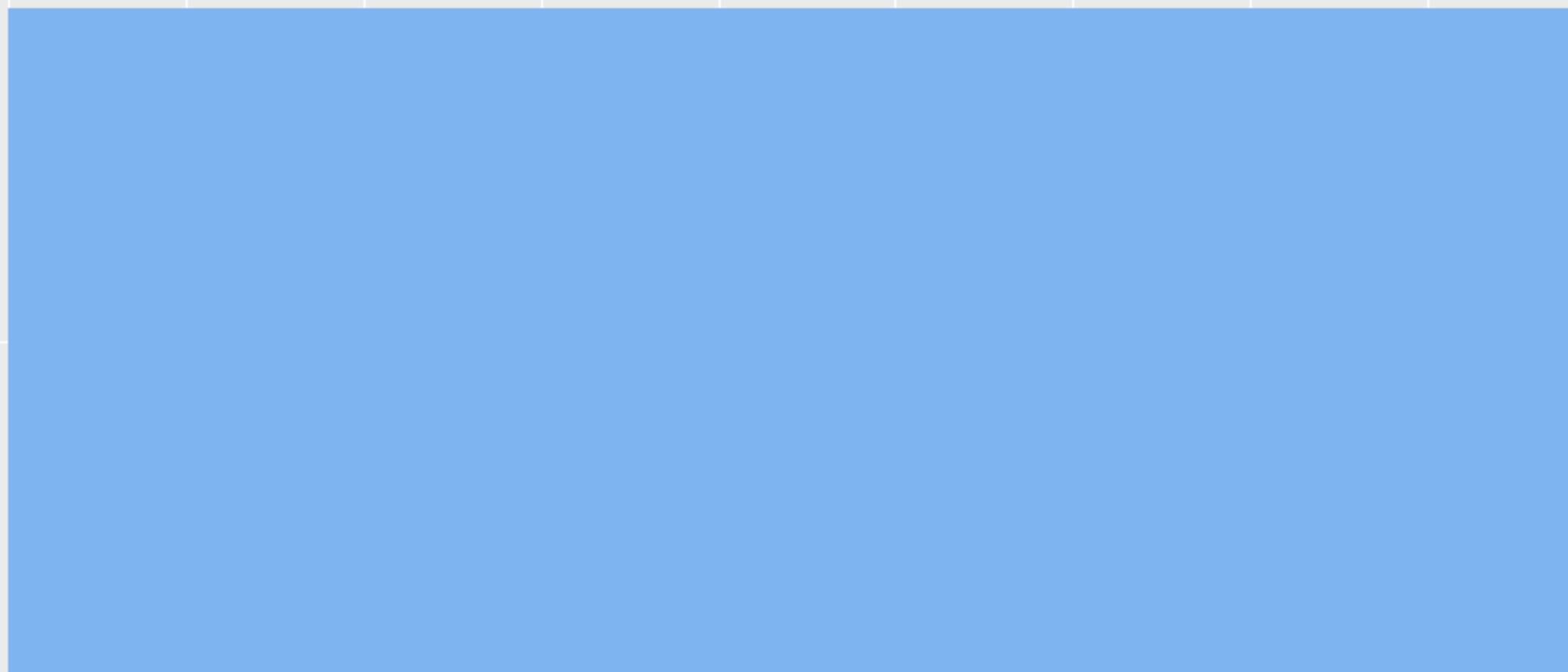
1

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4

Functional Enrichment



regulation of cell cycle

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 5/42

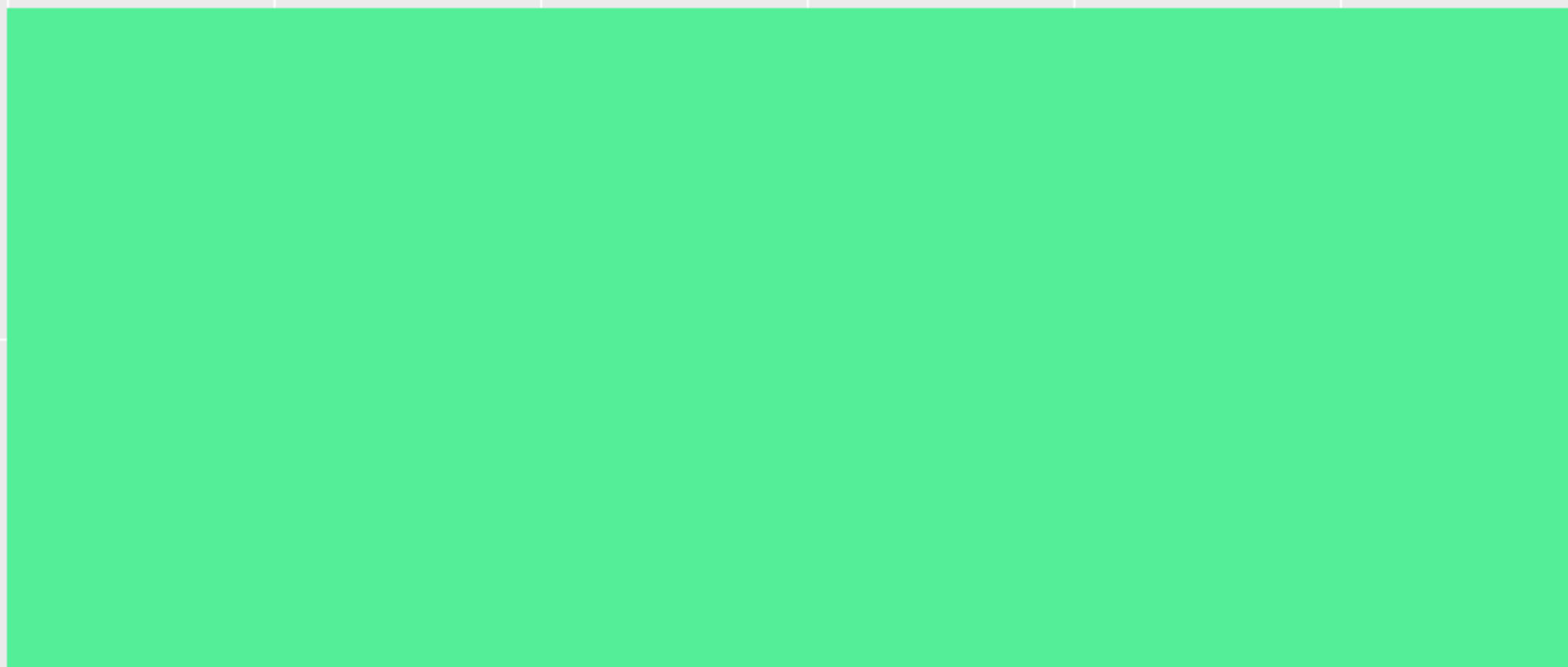
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2

4

6

Functional Enrichment



regulation of cell cycle

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 13/24

0

2

4

Functional Enrichment



regulation of cell cycle

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 2/41

Cluster 40/41

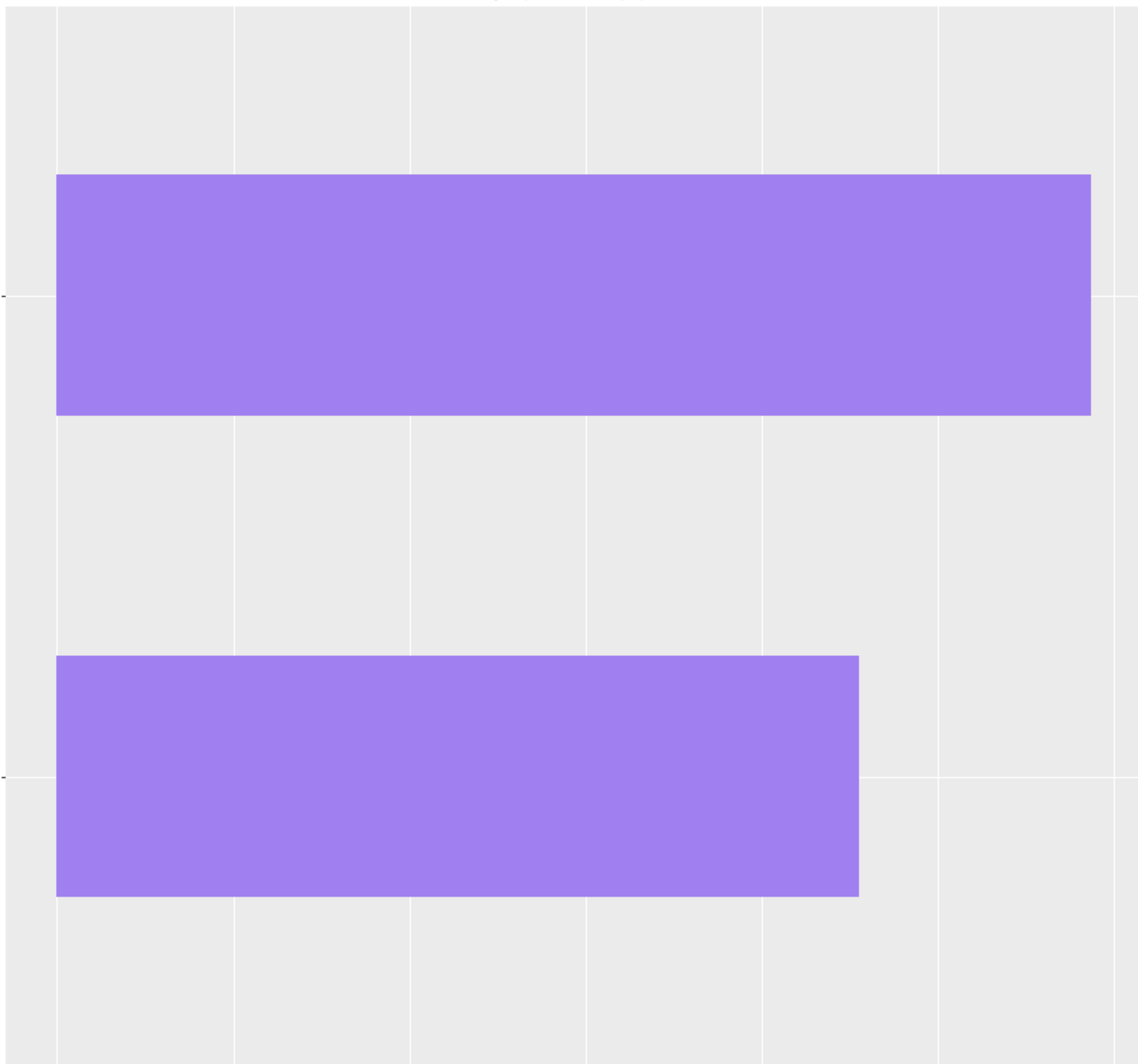
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2

4

6

Functional Enrichment



regulation of DNA metabolic process

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 41/42

Cluster 5/42

Cluster 21/42

0

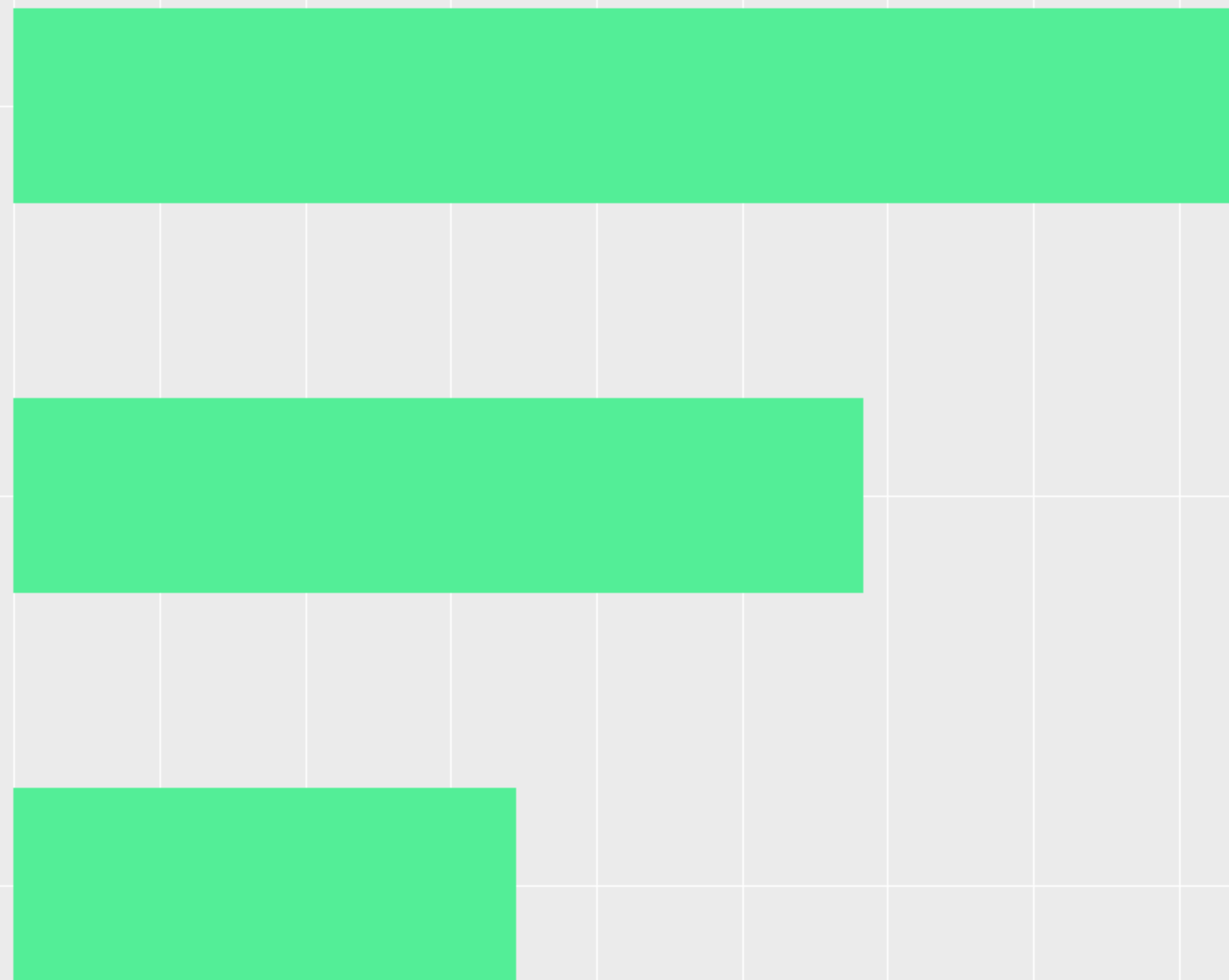
2

4

6

8

Functional Enrichment



regulation of DNA metabolic process

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 13/24

0

2

4

6

Functional Enrichment



regulation of DNA metabolic process

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 2/41

Cluster 19/41

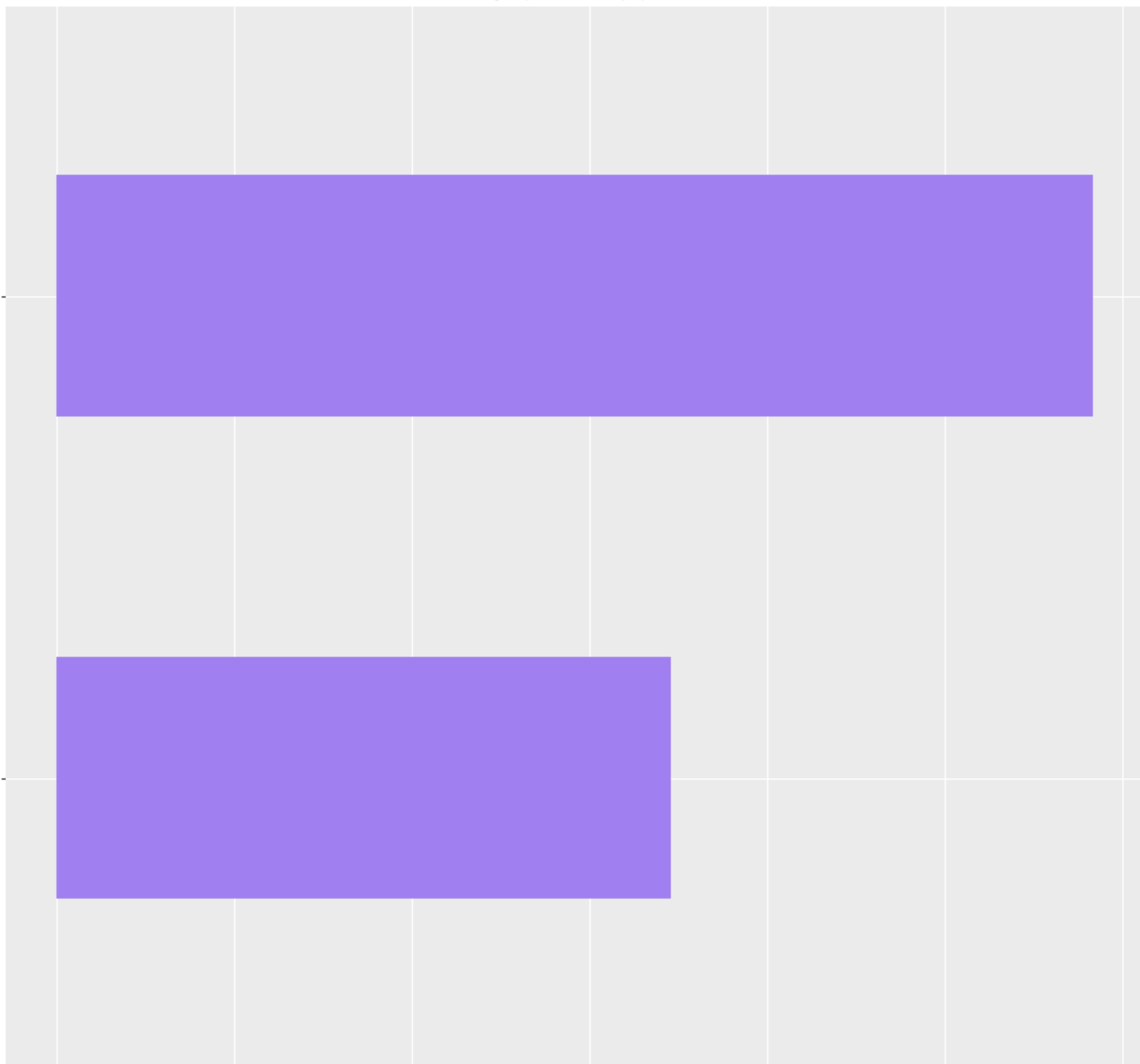
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2

4

6

Functional Enrichment



regulation of DNA metabolic process

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 19/26

Cluster 2/26

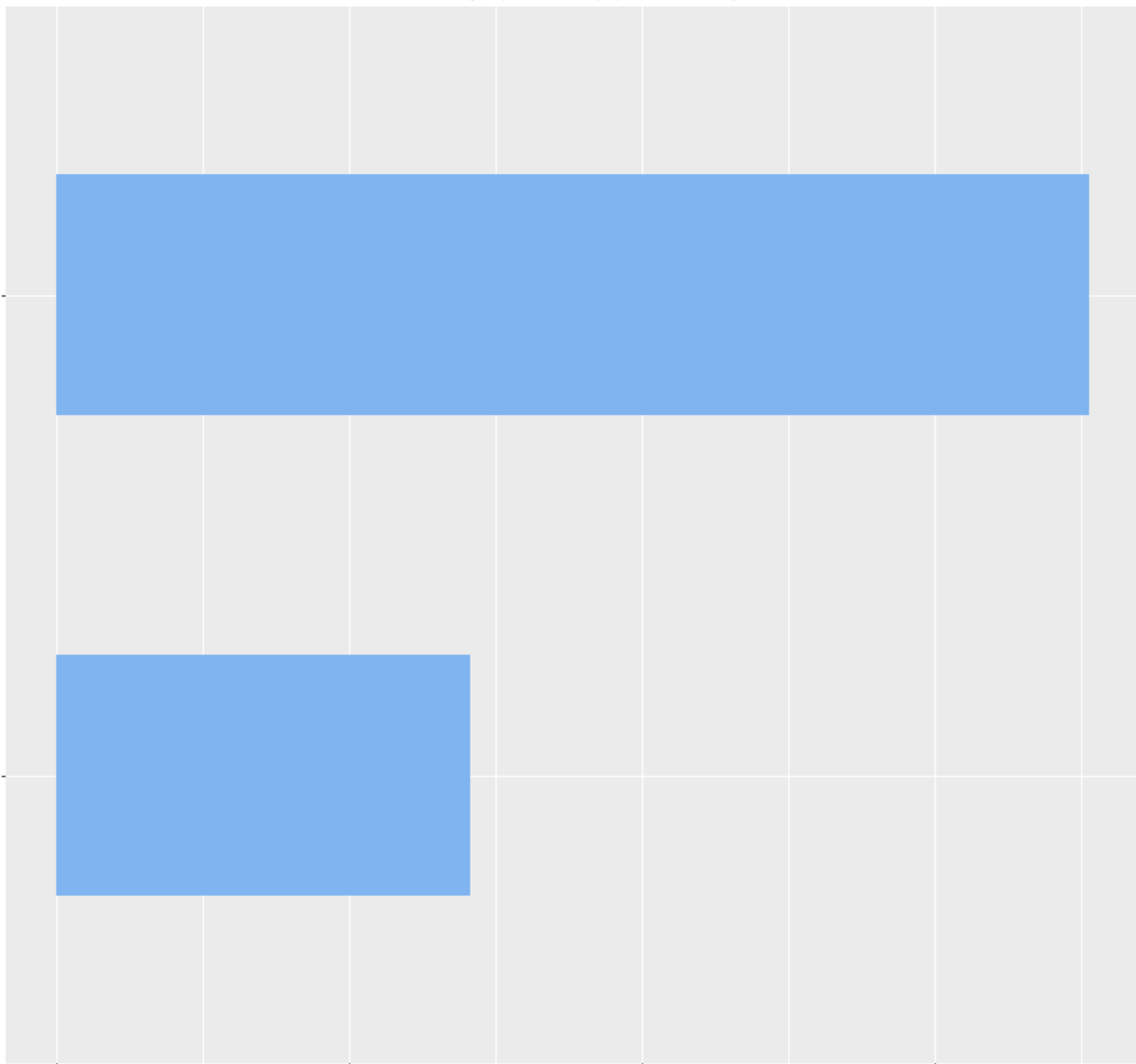
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2.5

5.0

7.5

Functional Enrichment



regulation of organelle organization

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 5/42

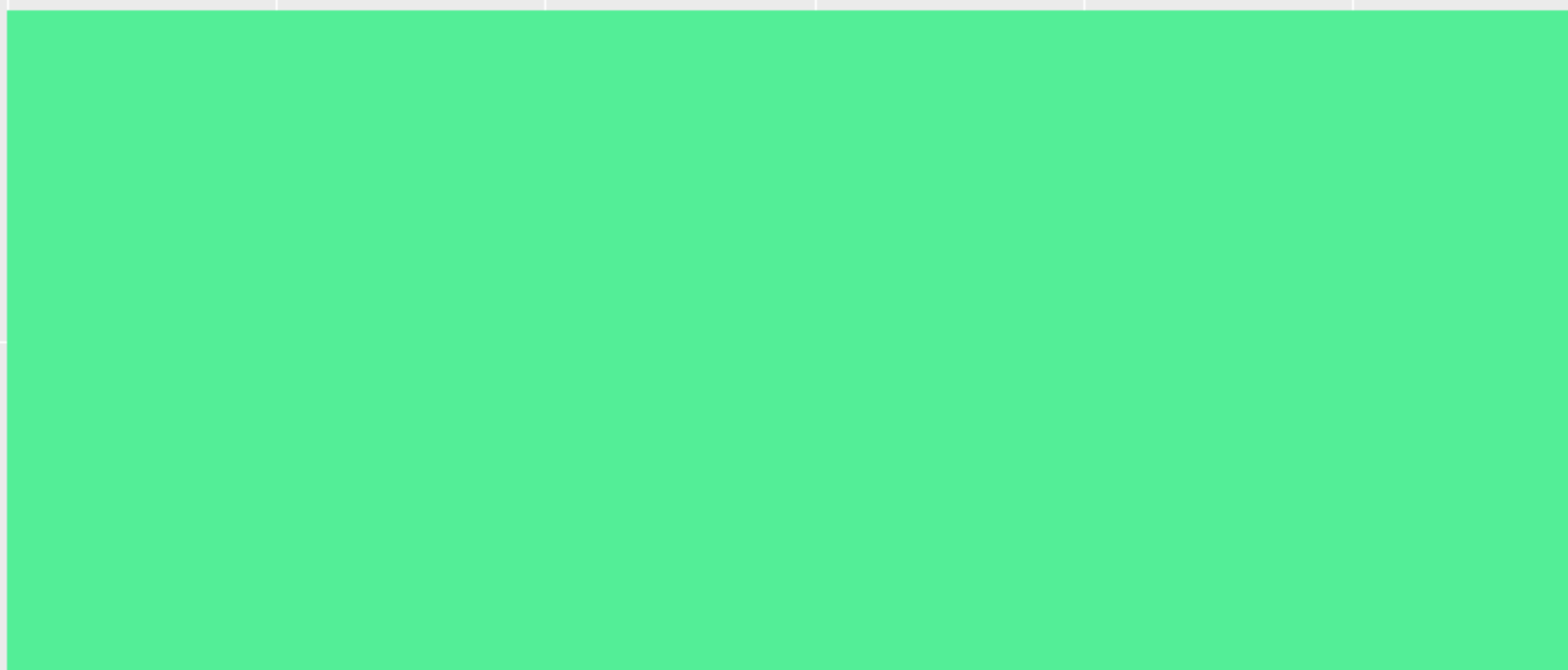
0

2

4

6

Functional Enrichment



regulation of organelle organization

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 13/24

0

2

4

6

Functional Enrichment



regulation of organelle organization

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 2/41

0

2

4

6

Functional Enrichment



regulation of translation

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 29/42

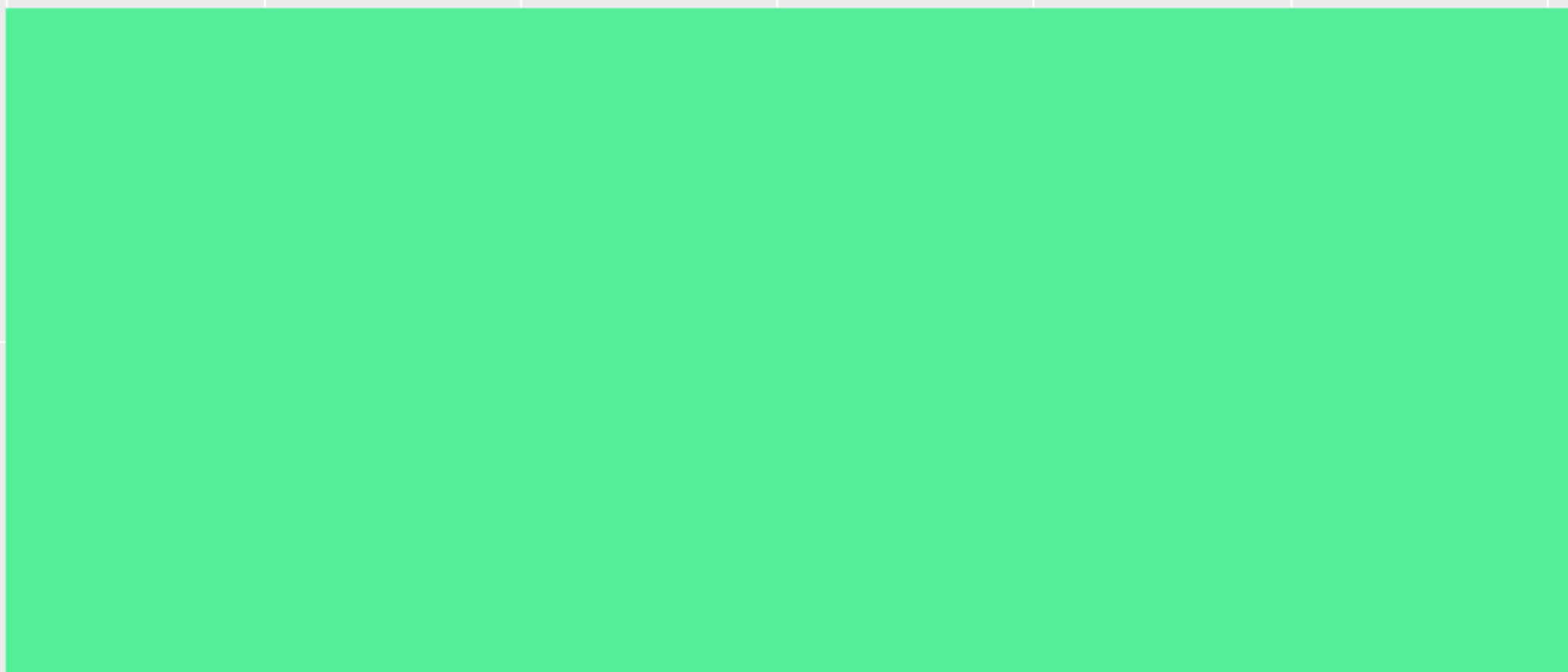
0

1

2

3

Functional Enrichment



regulation of translation

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 30/41

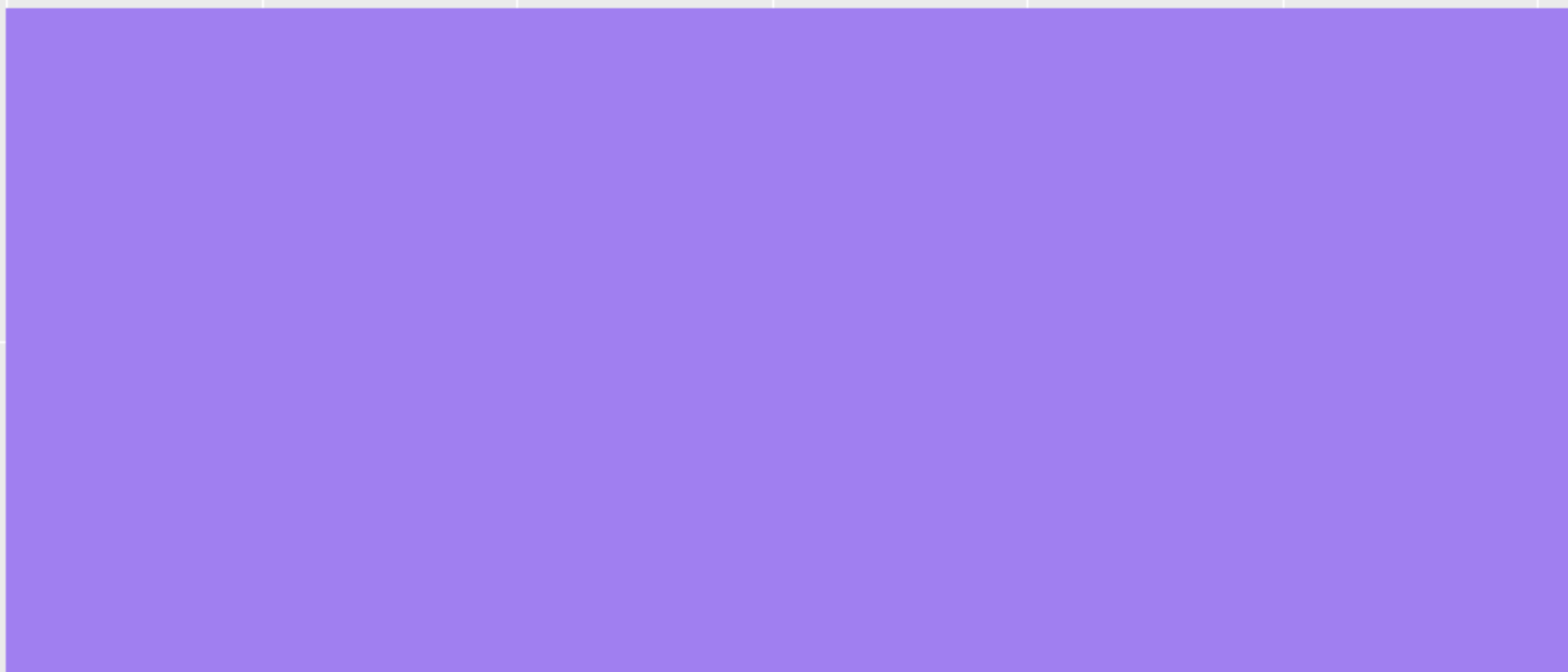
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1

2

3

Functional Enrichment



regulation of transport

With CellCycle | With AreaShape | All Genes

Cluster

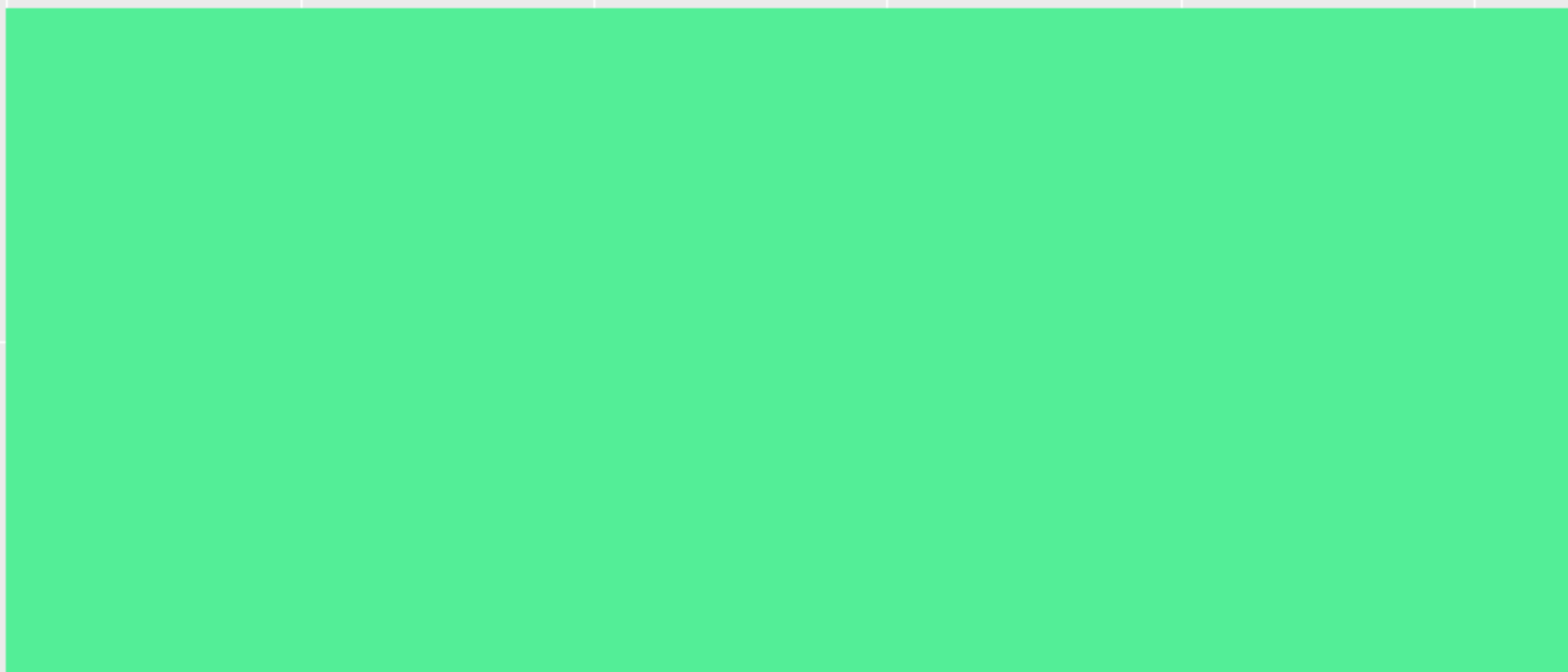
Cluster 27/42

0

1

2

Functional Enrichment



regulation of transport

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 26/41

0

1

2

Functional Enrichment



response to chemical

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 15/26

0

1

2

Functional Enrichment



response to heat

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 28/42

0

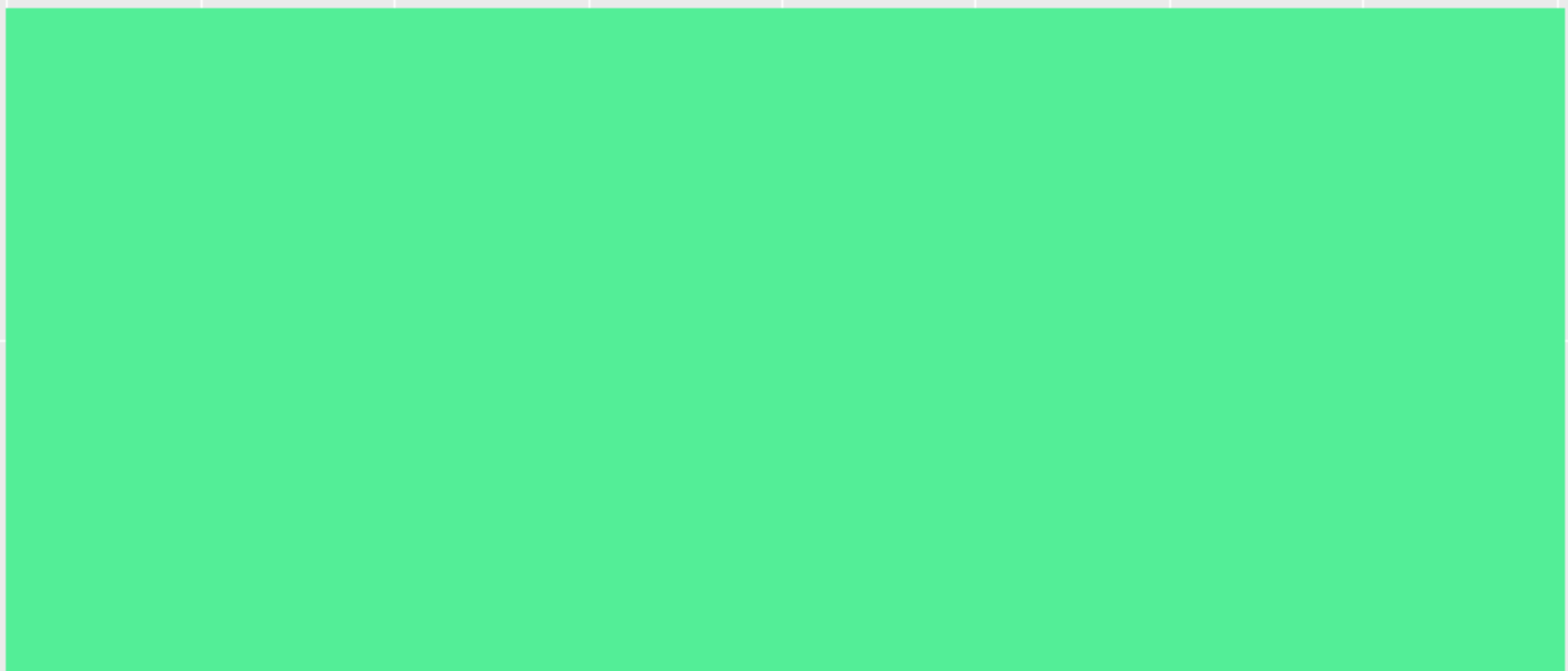
1

2

3

4

Functional Enrichment



response to heat

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 29/41

0

1

2

3

4

Functional Enrichment



response to starvation

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 32/42

0

5

10

15

Functional Enrichment



With CellCycle | With AreaShape | No Vesicle

With CellCycle | With AreaShape | No Vesicle

Cluster 27/41 ·

15

response to starvation

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 22/26

0

5

10

15

Functional Enrichment



ribosomal large subunit biogenesis

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 8/42

0

2

4

6

Functional Enrichment



ribosomal large subunit biogenesis

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 12/24

Cluster 17/24

0

5

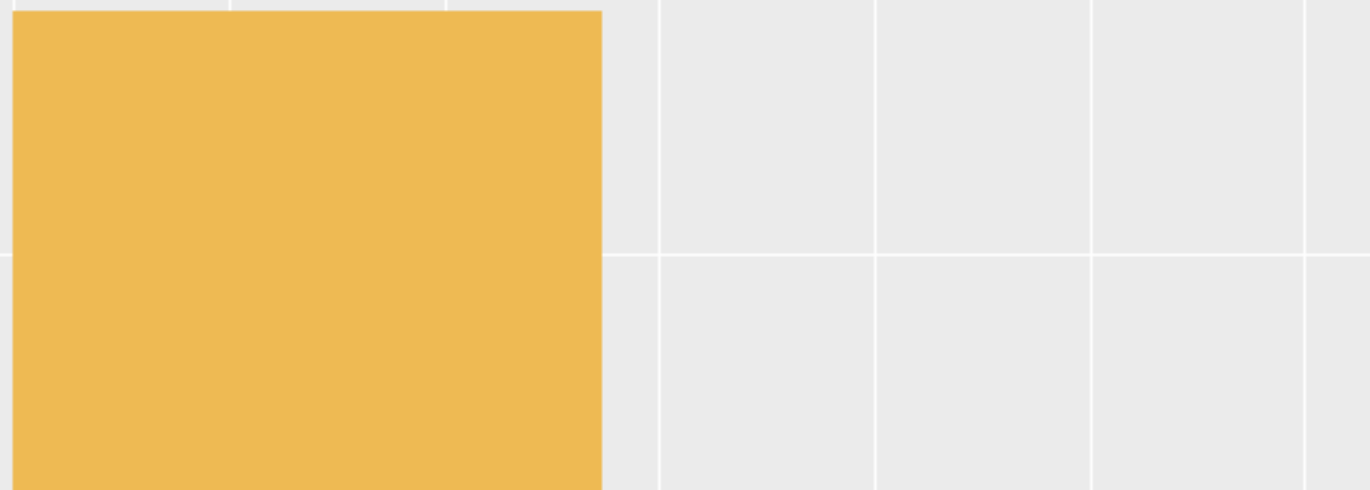
10

15

20

25

Functional Enrichment



ribosomal large subunit biogenesis

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 7/41

0

2

4

6

Functional Enrichment



ribosomal small subunit biogenesis

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 8/42

0

2

4

6

Functional Enrichment



ribosomal small subunit biogenesis

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 17/24

0

2

4

6

Functional Enrichment



ribosomal small subunit biogenesis

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 7/41

0

2

4

6

Functional Enrichment



ribosomal subunit export from nucleus

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 11/42

Cluster 8/42

Cluster 14/42

0

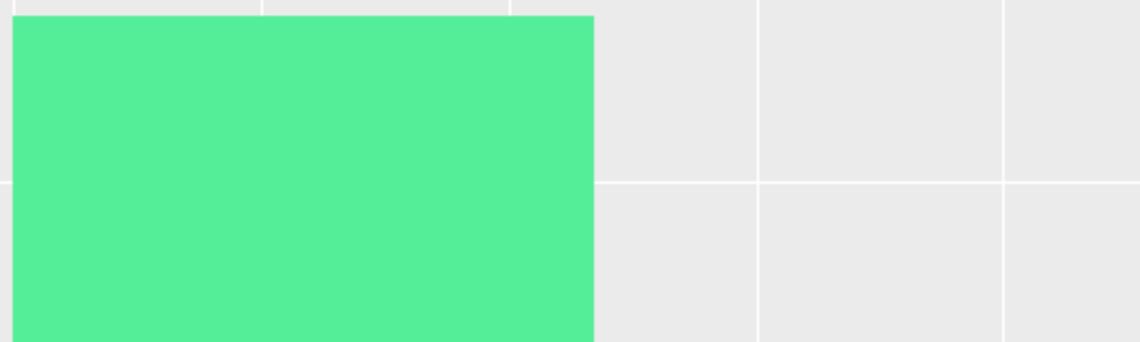
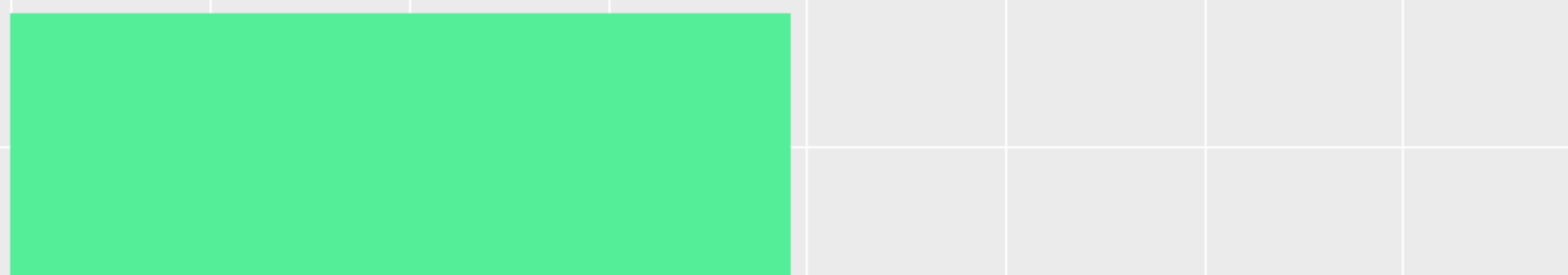
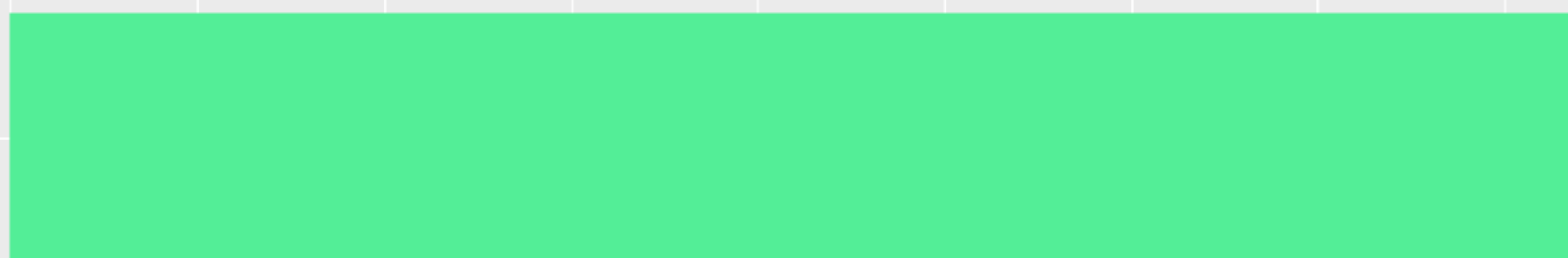
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10

15

20

Functional Enrichment



ribosomal subunit export from nucleus

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 19/24

Cluster 17/24

Cluster 22/24

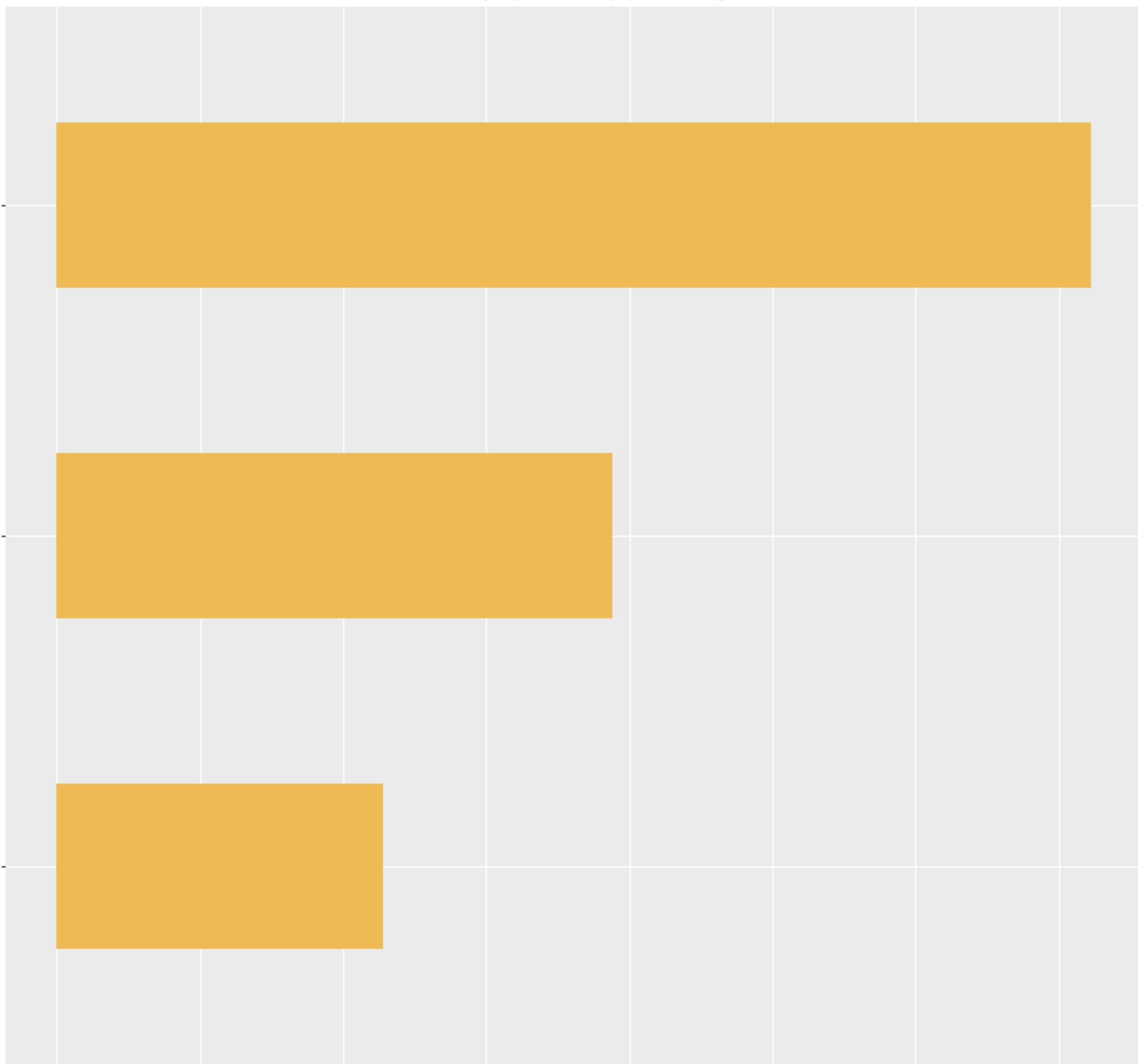
0

5

10

15

Functional Enrichment



ribosomal subunit export from nucleus

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 10/41

Cluster 7/41

Cluster 11/41

0

5

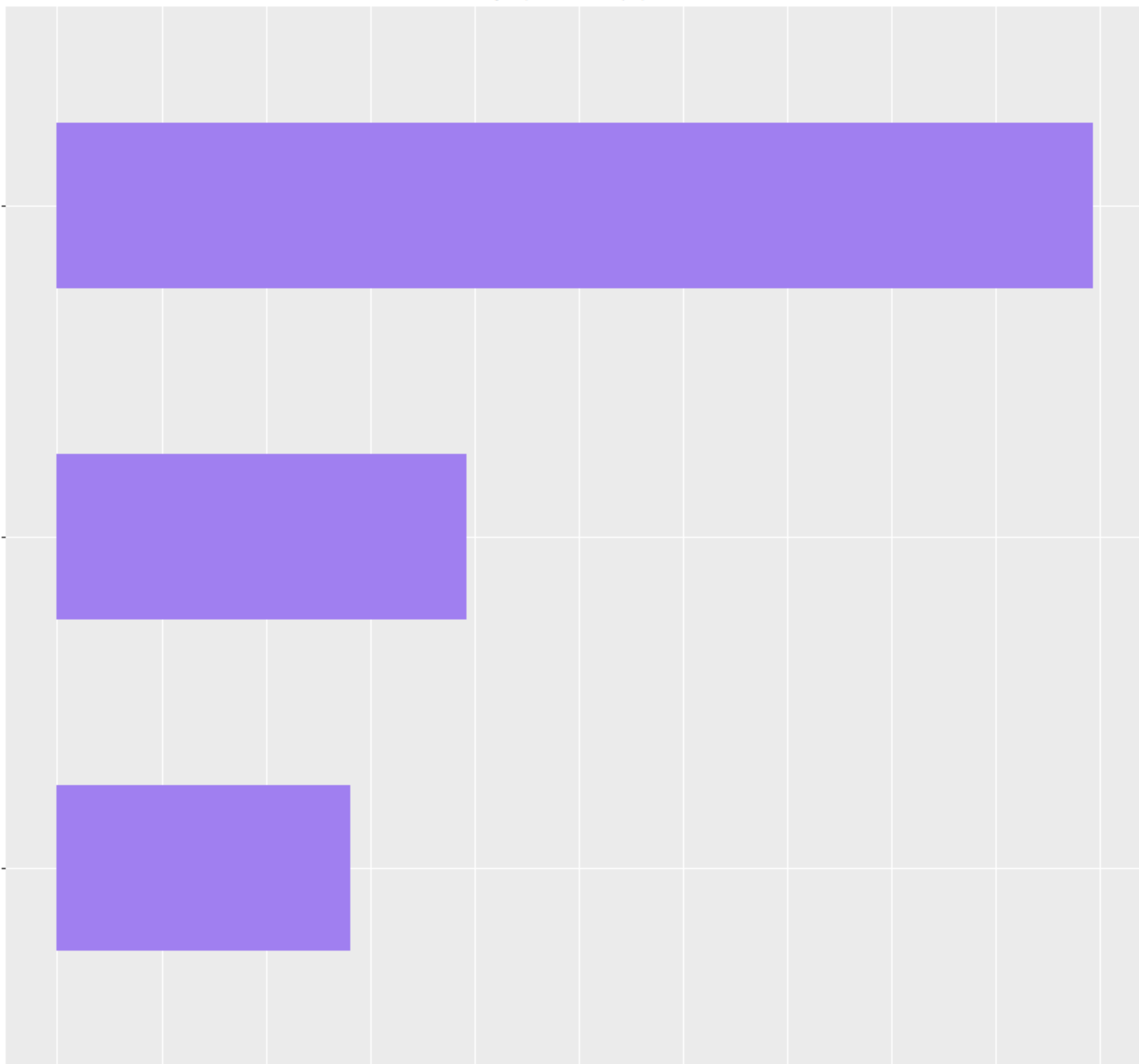
10

15

20

25

Functional Enrichment



ribosome assembly

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 12/24

0

10

20

30

Functional Enrichment



RNA catabolic process

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 41/42

0.0

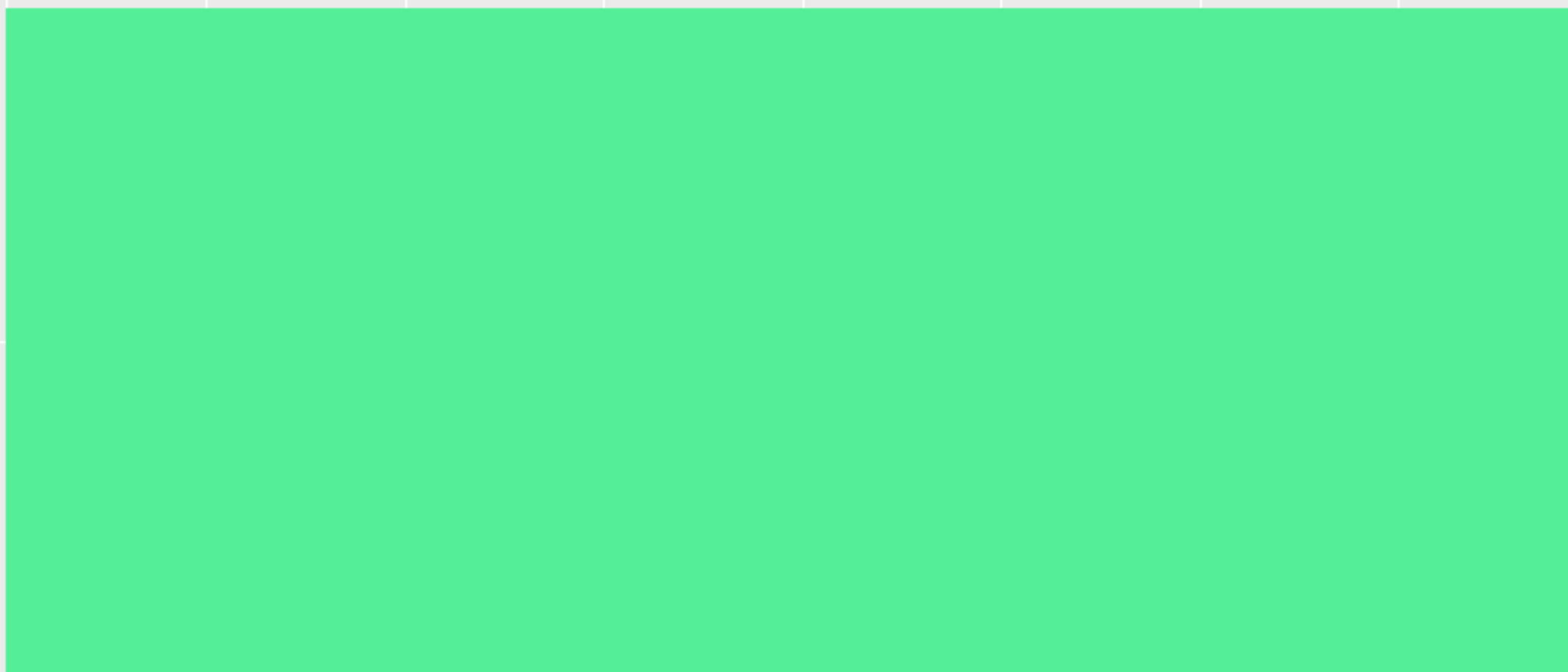
2.5

5.0

7.5

10.0

Functional Enrichment



RNA catabolic process

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 40/41

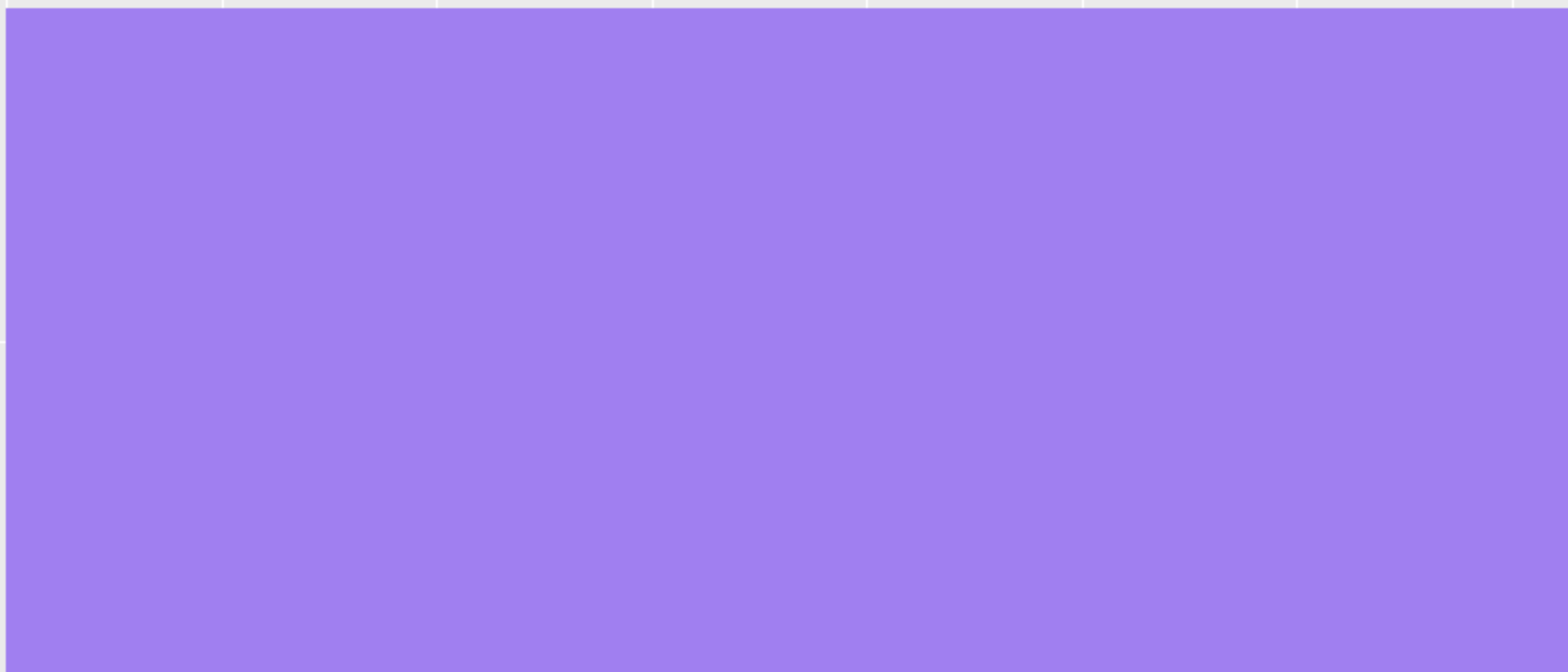
0

2

4

6

Functional Enrichment



RNA catabolic process

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 19/26

0.0

2.5

5.0

7.5

10.0

Functional Enrichment



RNA splicing

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 14/42

Cluster 8/42

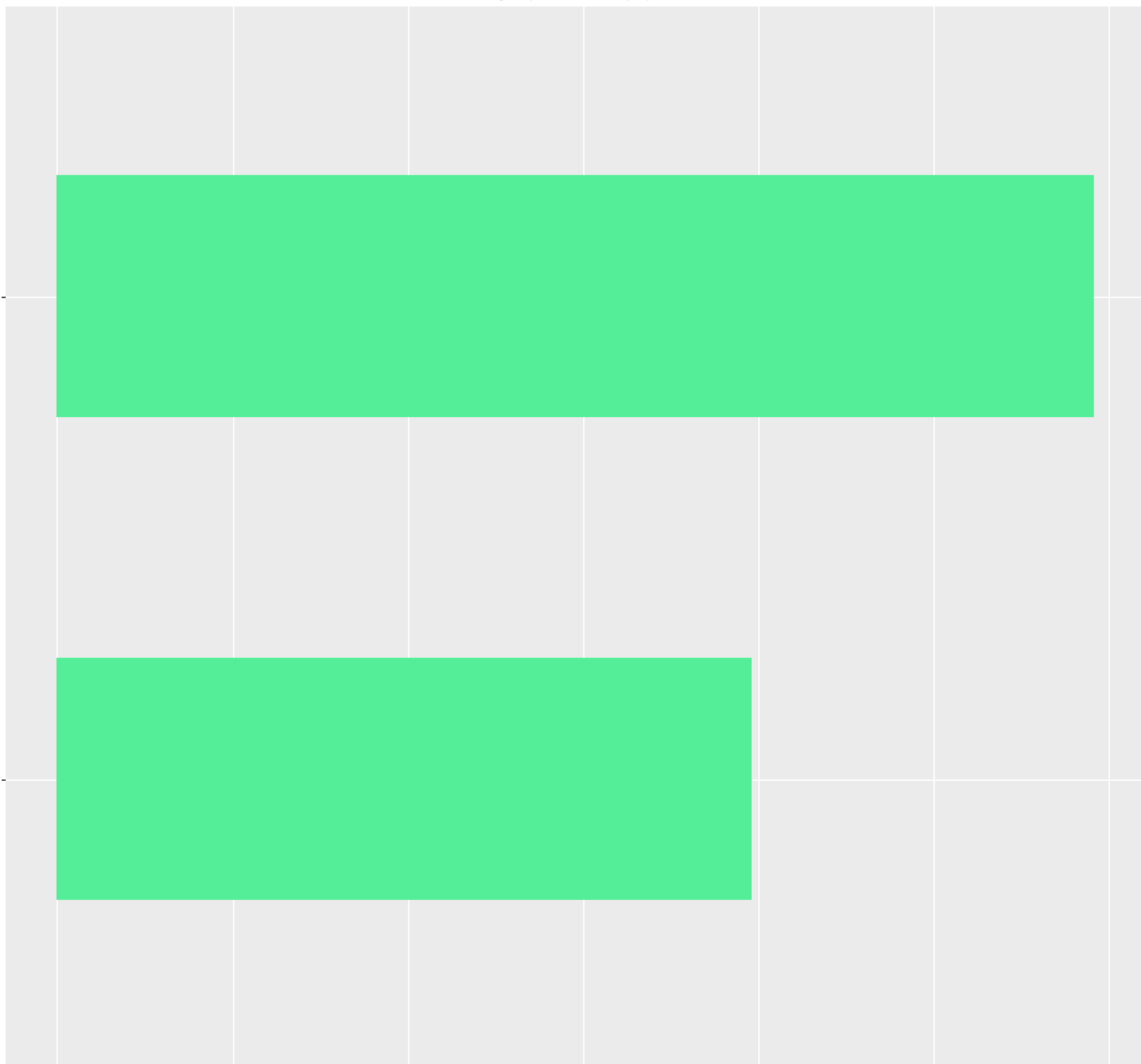
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2

4

6

Functional Enrichment



RNA splicing

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 22/24

Cluster 17/24

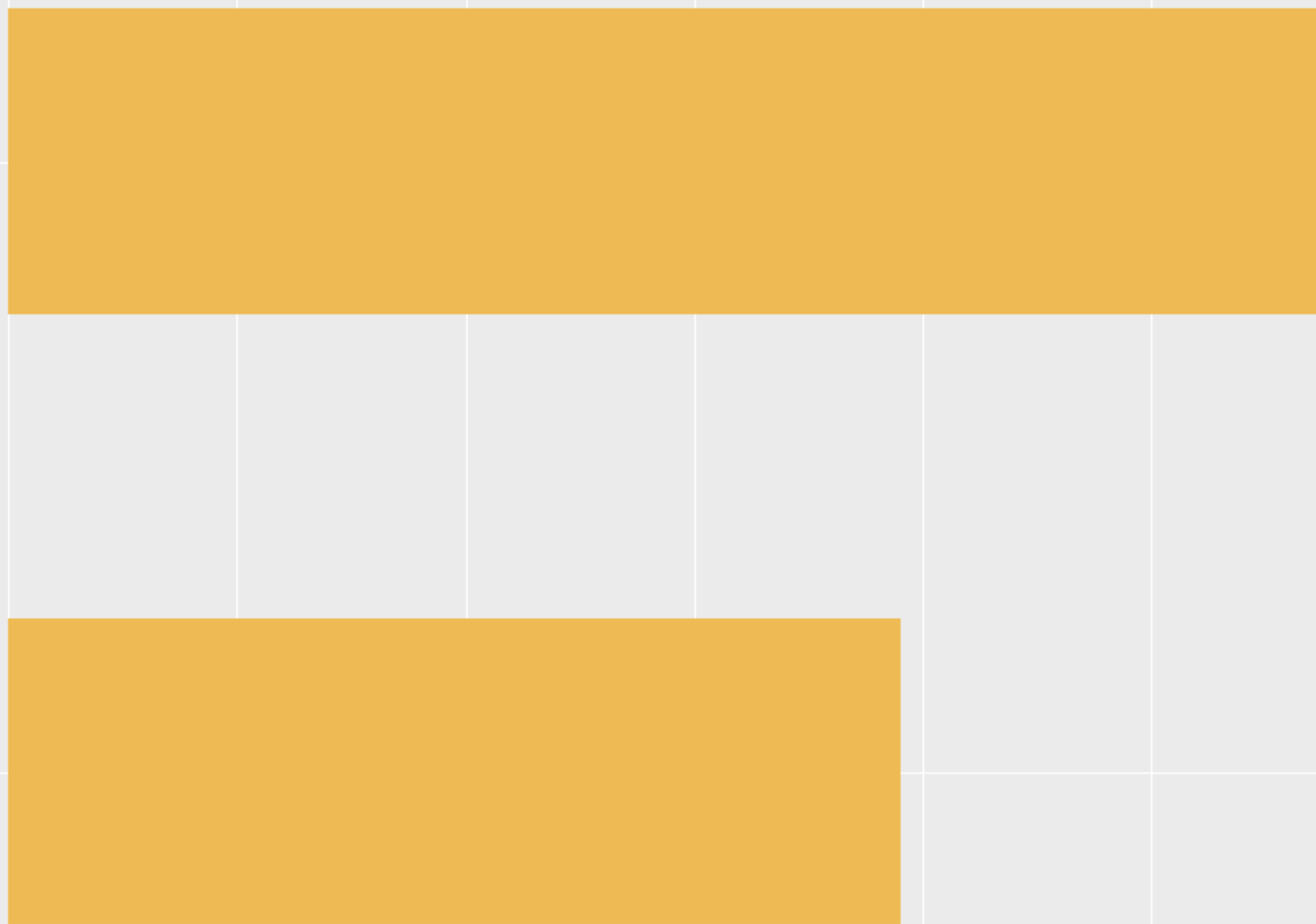
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2

4

6

Functional Enrichment



RNA splicing

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 11/41

Cluster 7/41

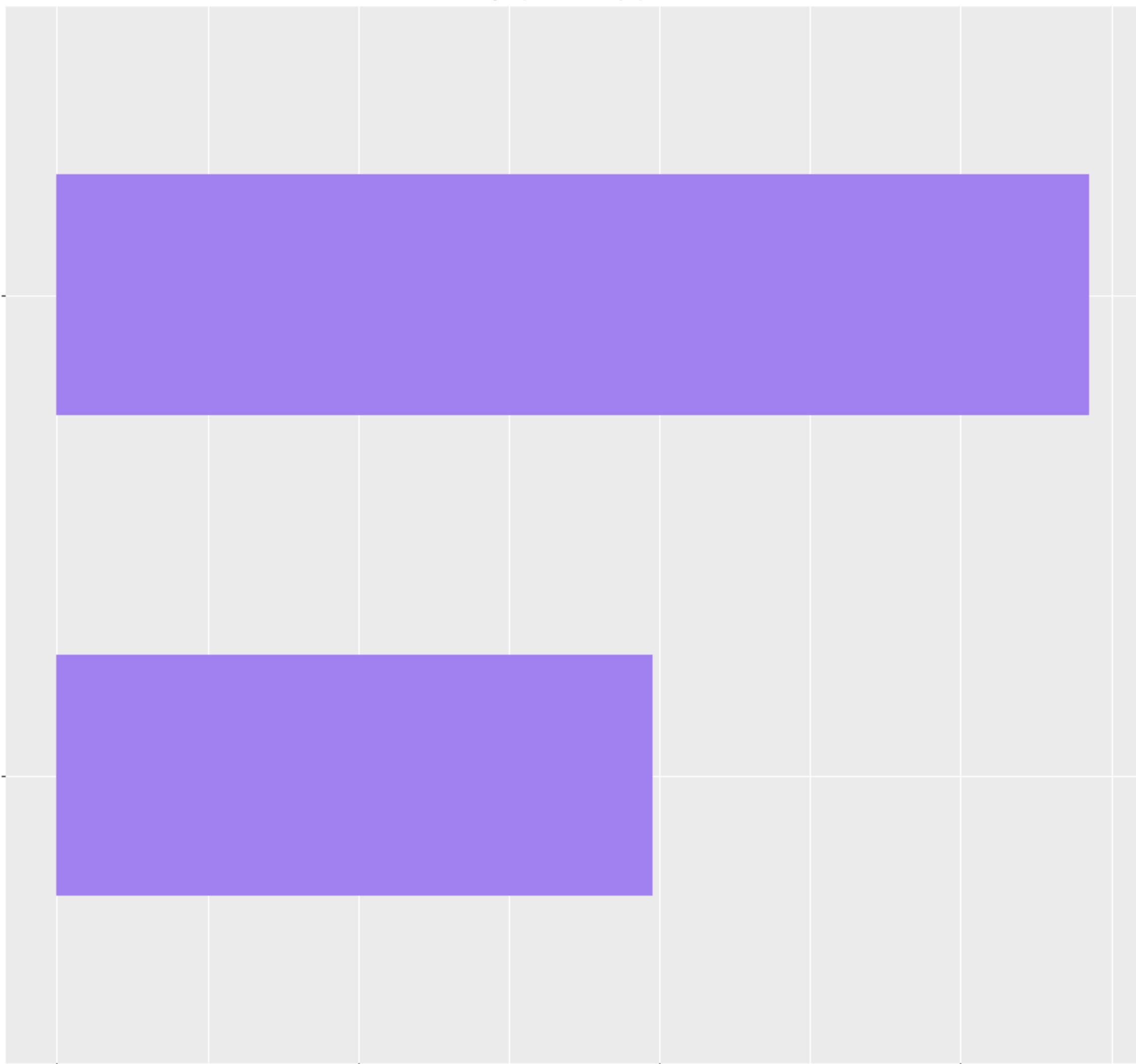
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2

4

6

Functional Enrichment



rRNA processing

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 9/42

Cluster 8/42

Cluster 34/42

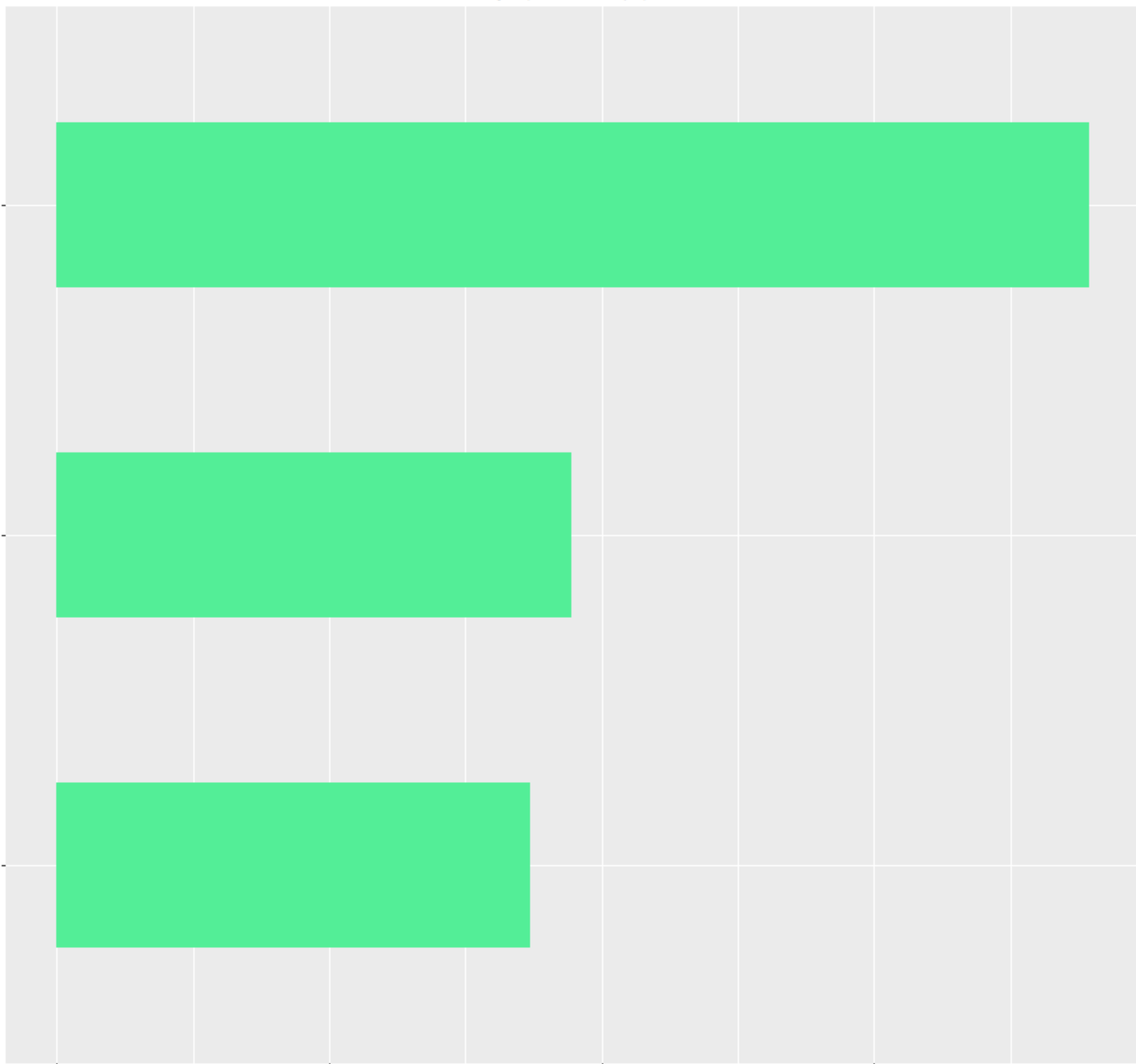
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2.5

5.0

7.5

Functional Enrichment



rRNA processing

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 12/24

Cluster 20/24

Cluster 17/24

0

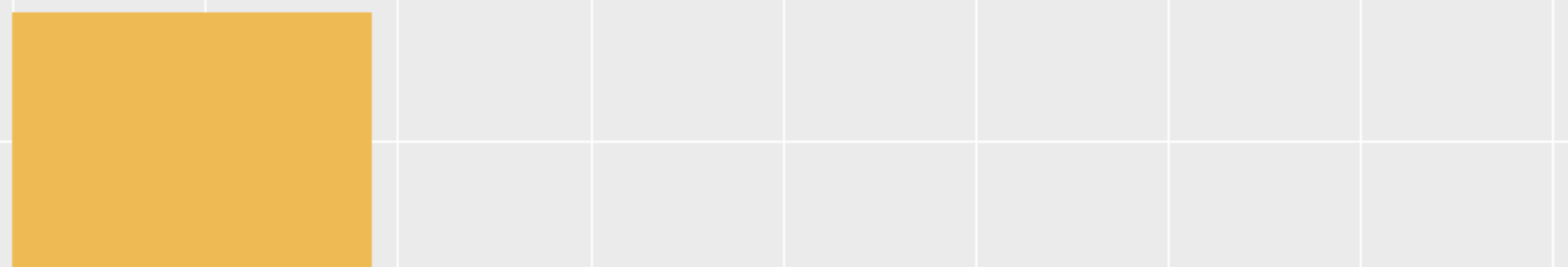
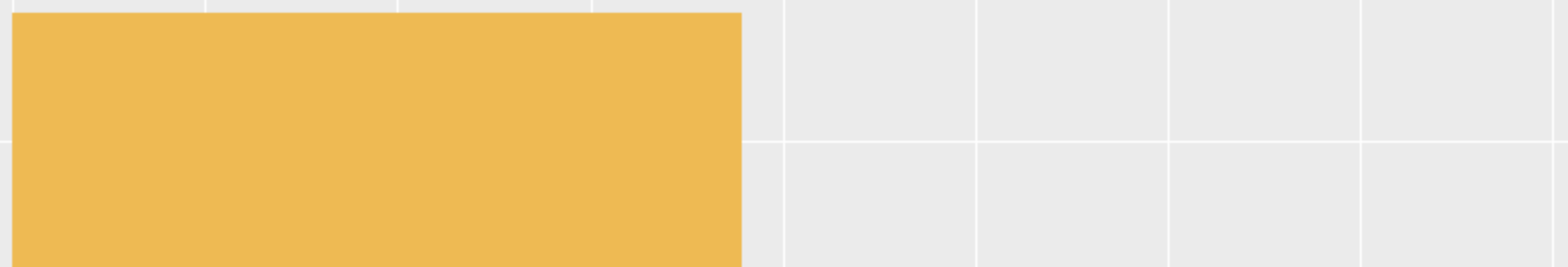
5

10

15

20

Functional Enrichment



rRNA processing

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 9/41

Cluster 7/41

Cluster 35/41

Cluster 11/41

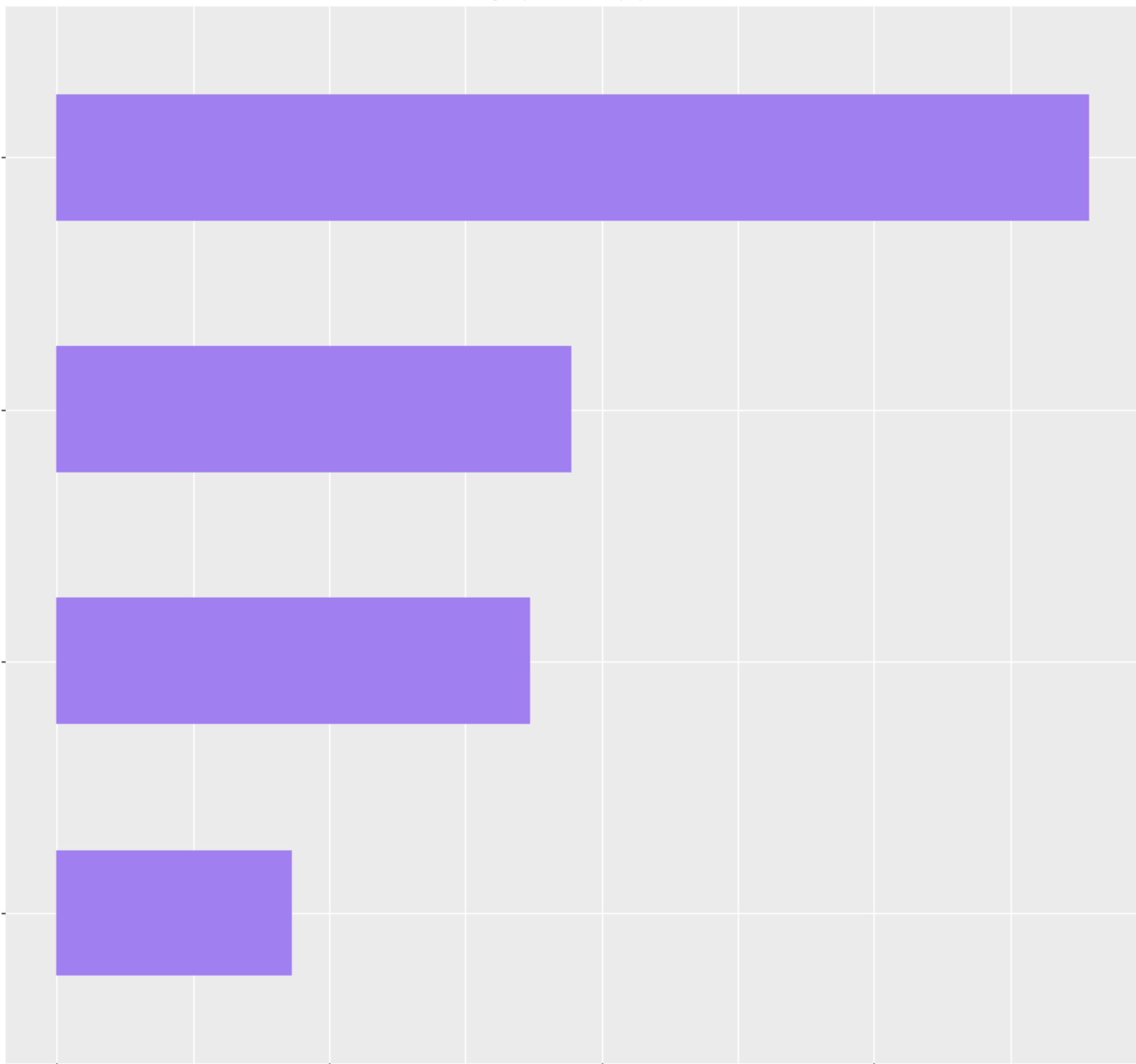
0.0

2.5

5.0

7.5

Functional Enrichment



snoRNA processing

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 15/42

Cluster 9/42

Cluster 14/42

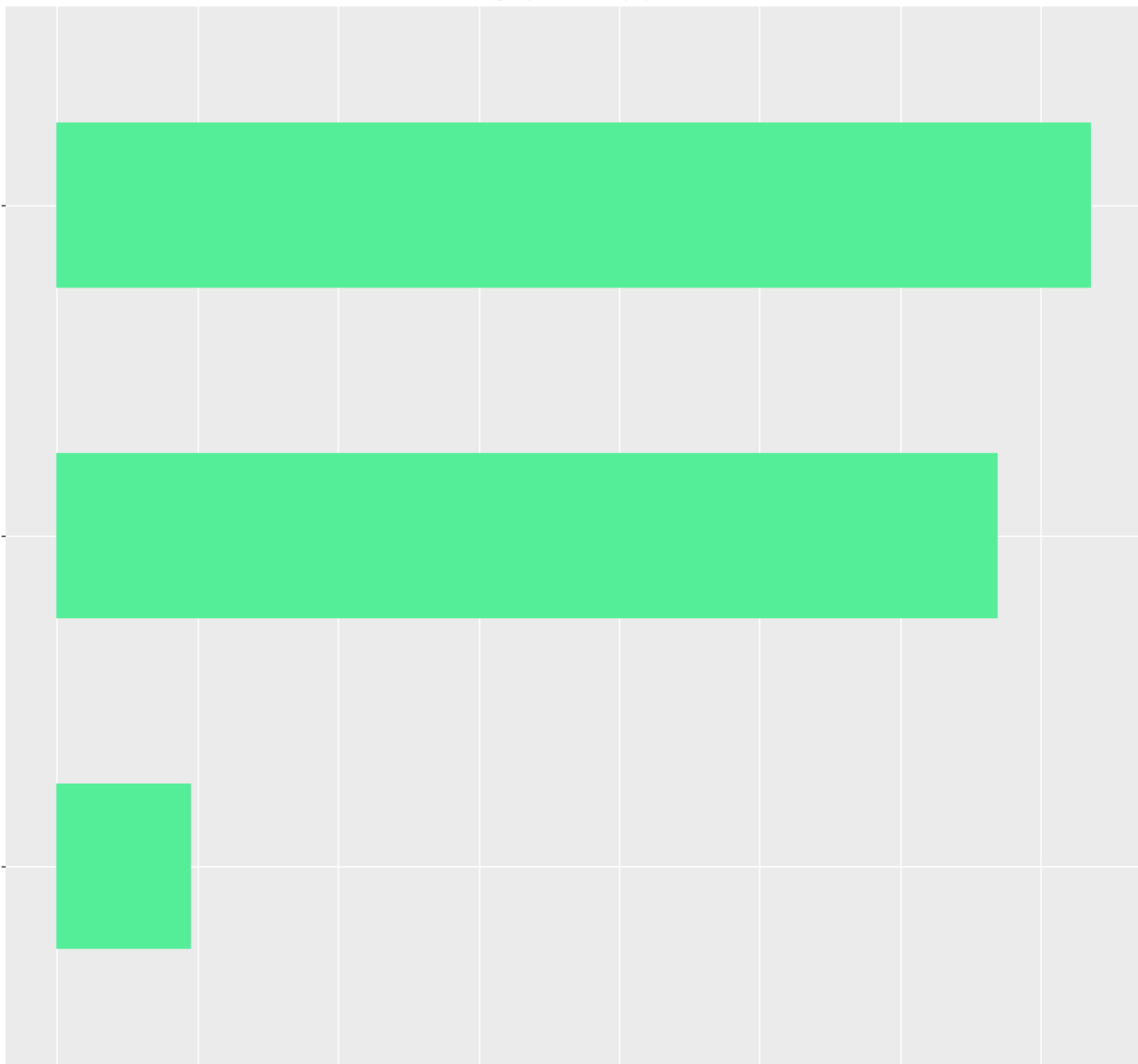
Functional Enrichment

0

10

20

30



snoRNA processing

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 20/24

Cluster 22/24

0

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20

30

Functional Enrichment



snoRNA processing

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 13/41

Cluster 9/41

Cluster 11/41

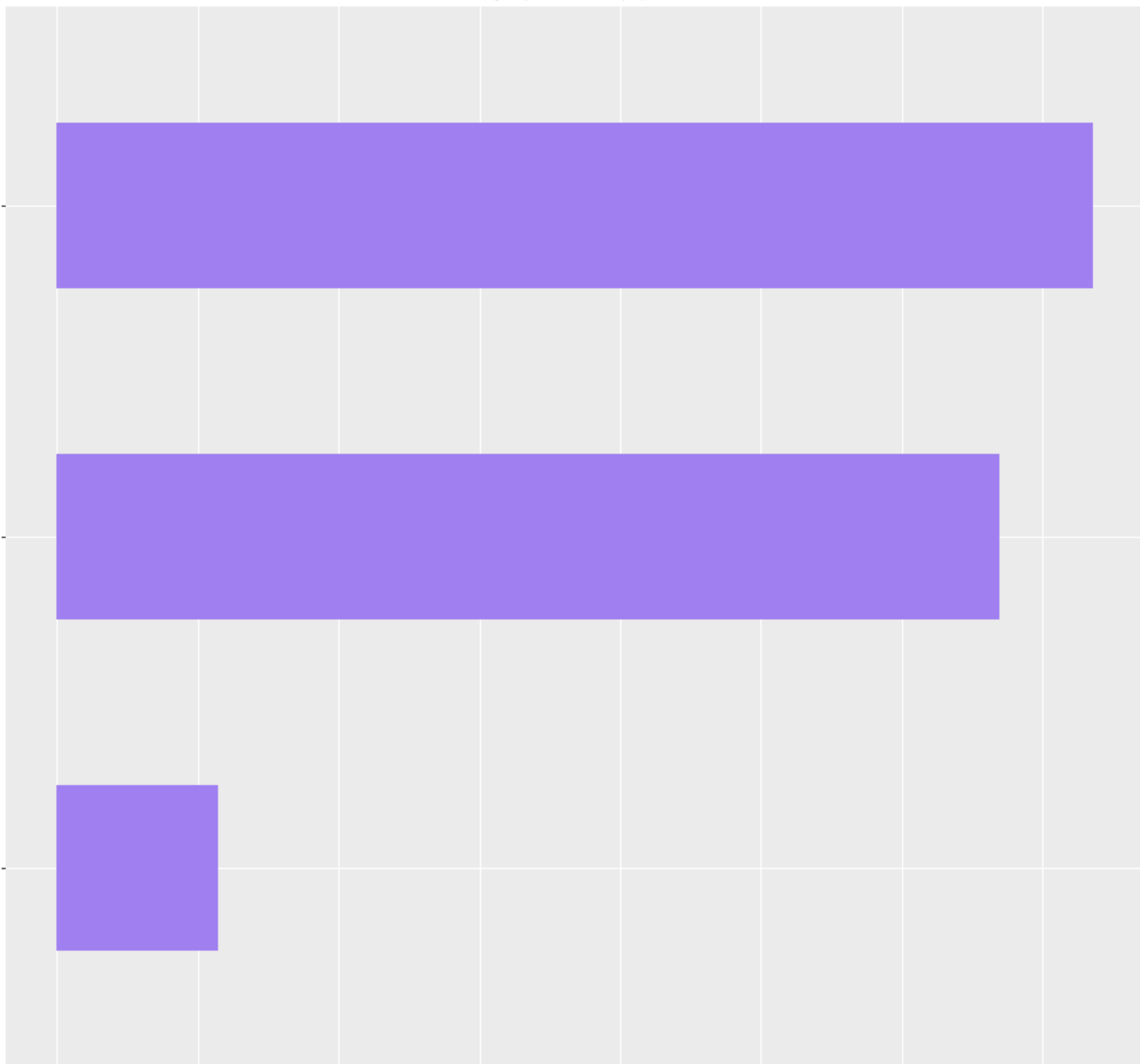
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10

20

30

Functional Enrichment



telomere organization

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 41/42

Cluster 5/42

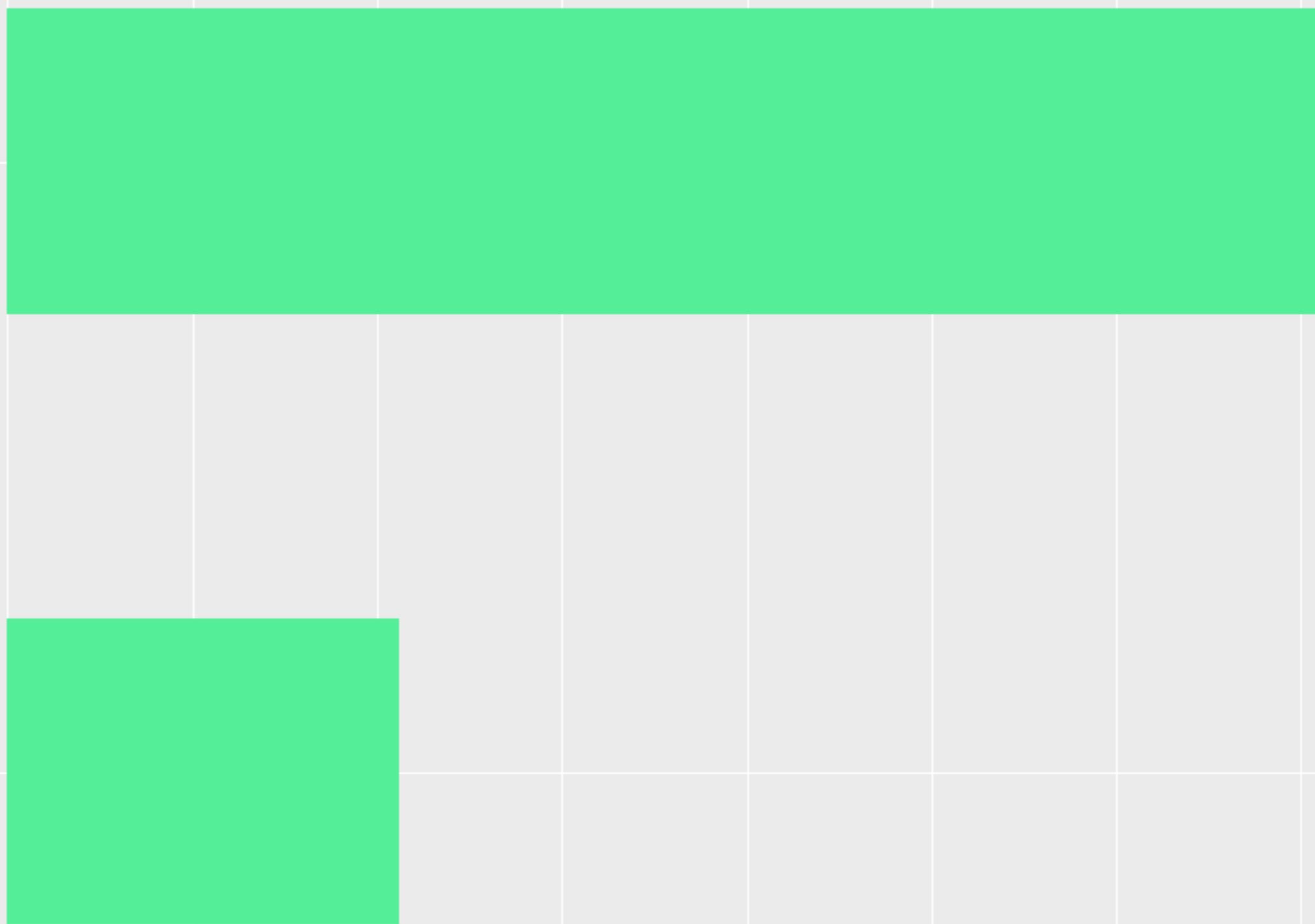
0

5

10

15

Functional Enrichment



telomere organization

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 13/24

0

2

4

Functional Enrichment



telomere organization

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 40/41

Cluster 2/41

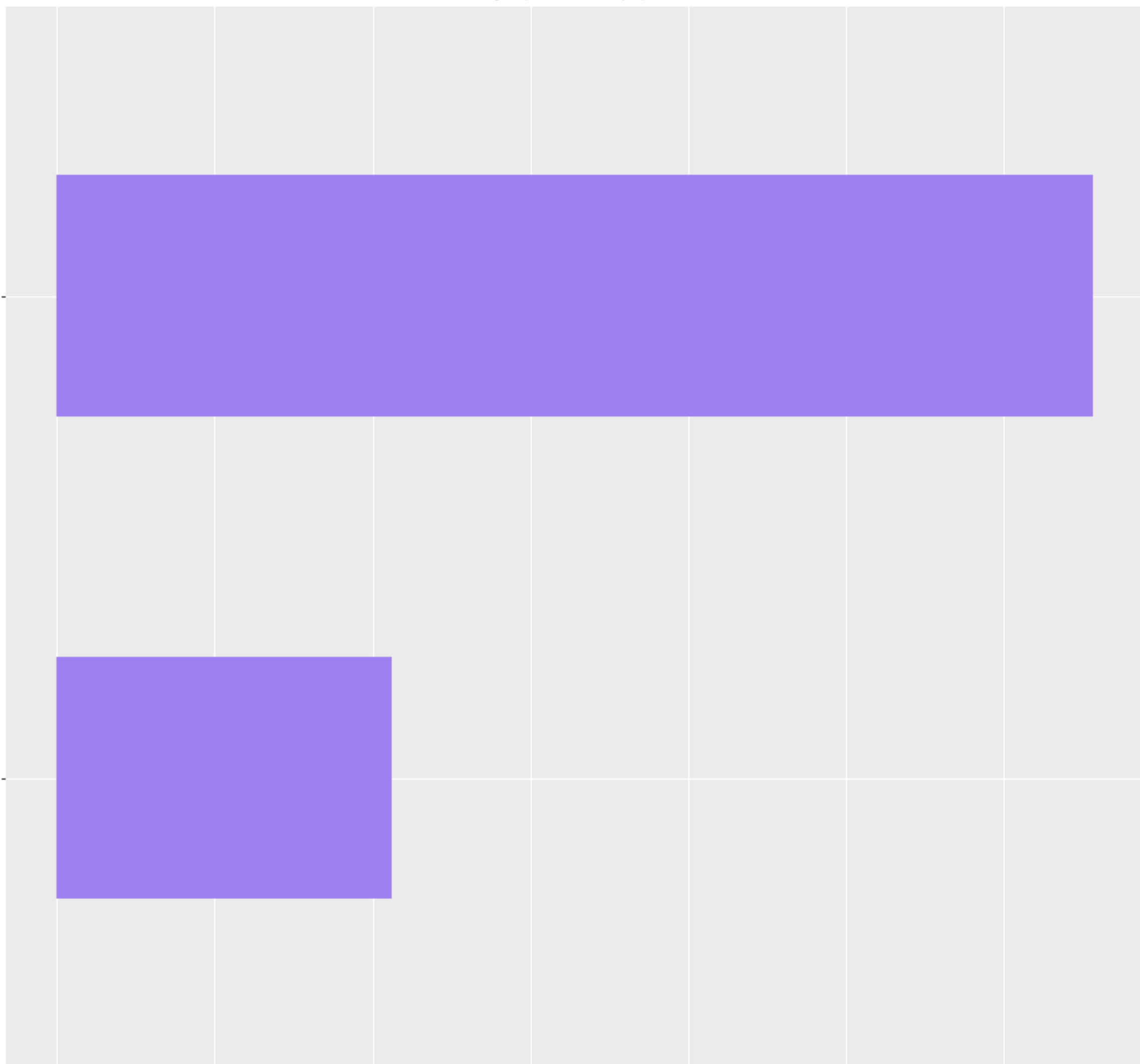
0

5

10

15

Functional Enrichment



telomere organization

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 19/26

0

5

10

15

Functional Enrichment



transcription from RNA polymerase I promoter

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 15/42

Cluster 28/42

0

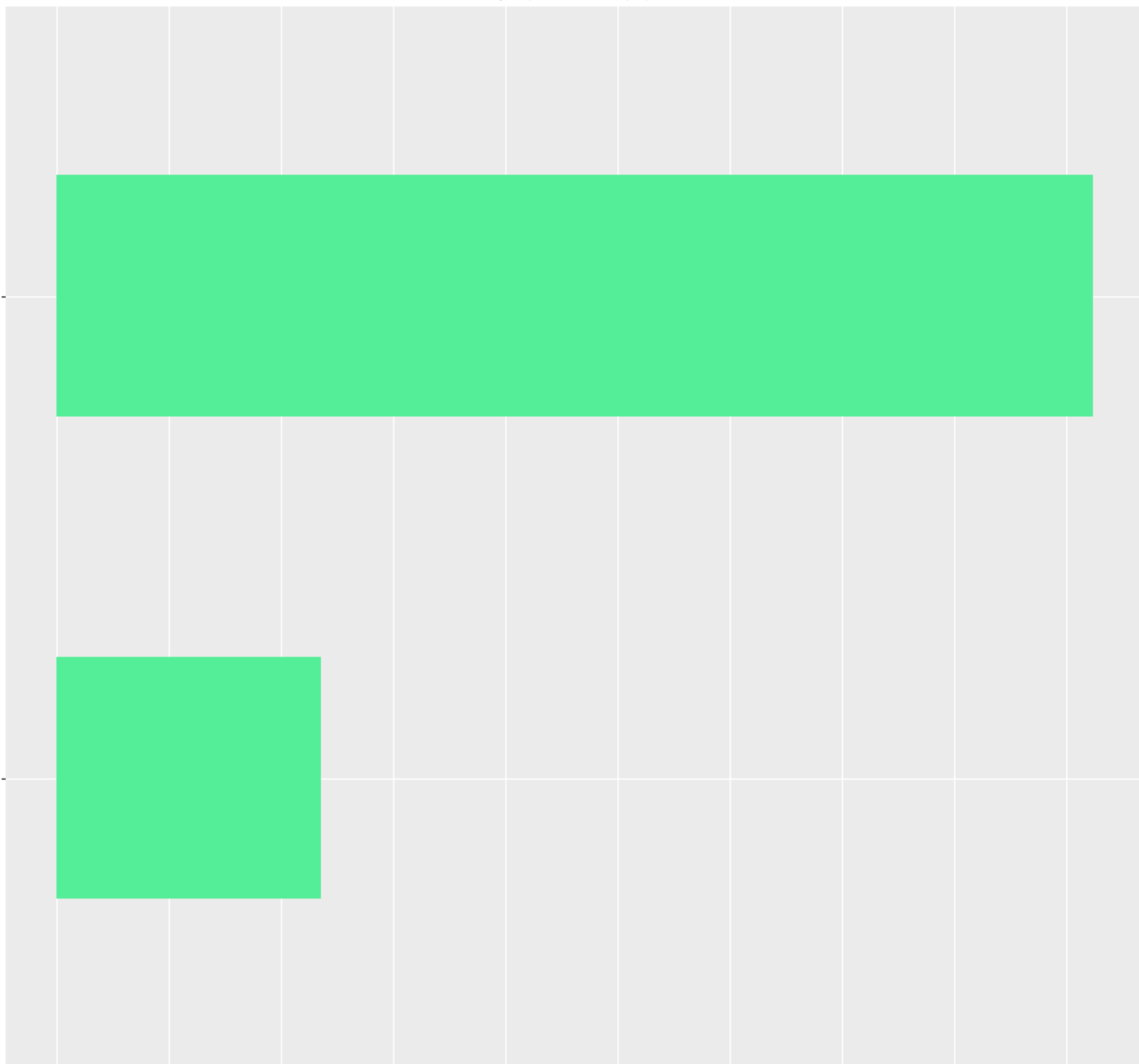
5

10

15

20

Functional Enrichment



transcription from RNA polymerase I promoter

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 6/24

0

10

20

30

Functional Enrichment



transcription from RNA polymerase I promoter

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 13/41

Cluster 29/41

0

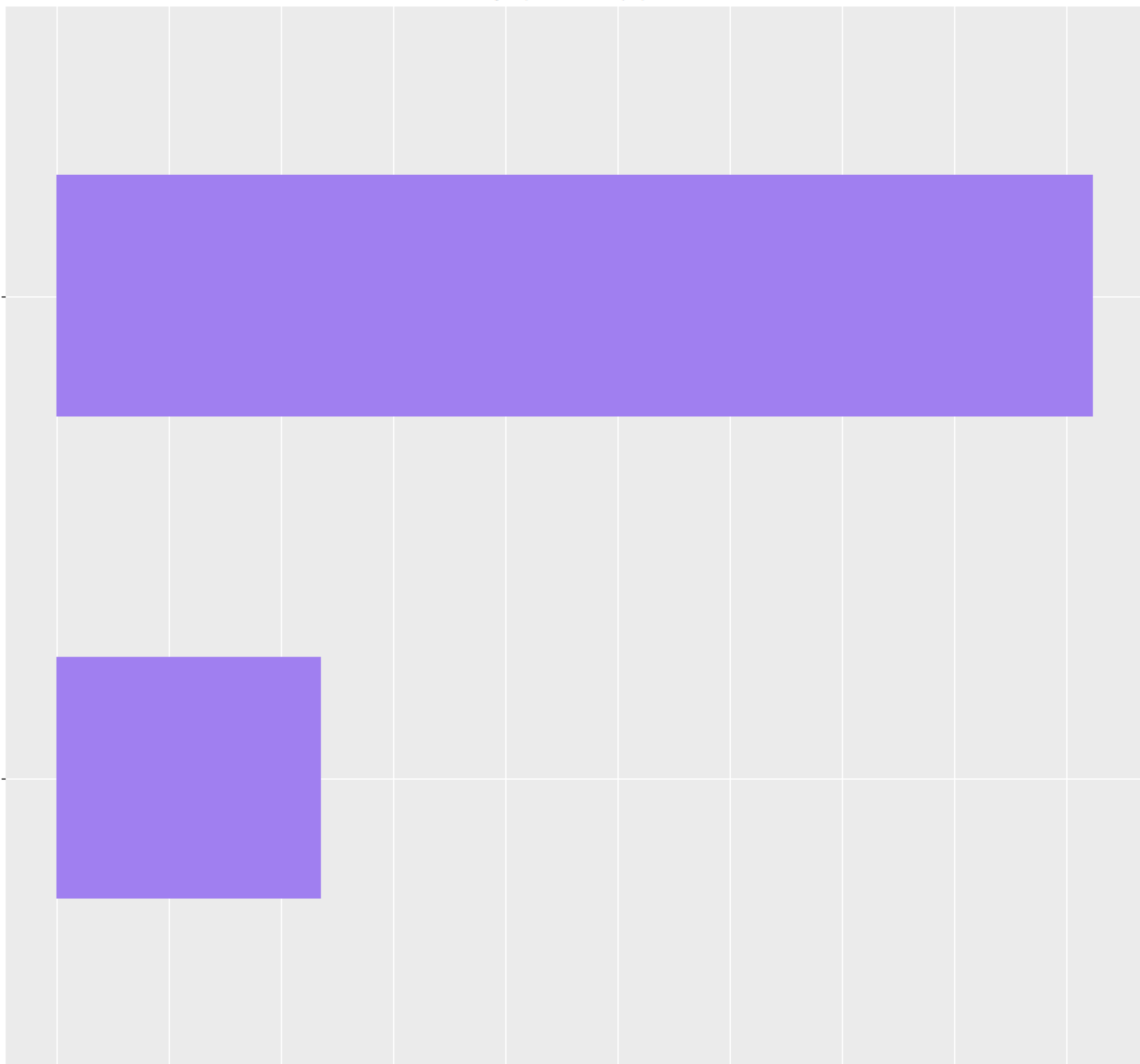
5

10

15

20

Functional Enrichment



transcription from RNA polymerase I promoter

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 12/26

0

2

4

Functional Enrichment



transcription from RNA polymerase II promoter

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 19/42

Cluster 14/42

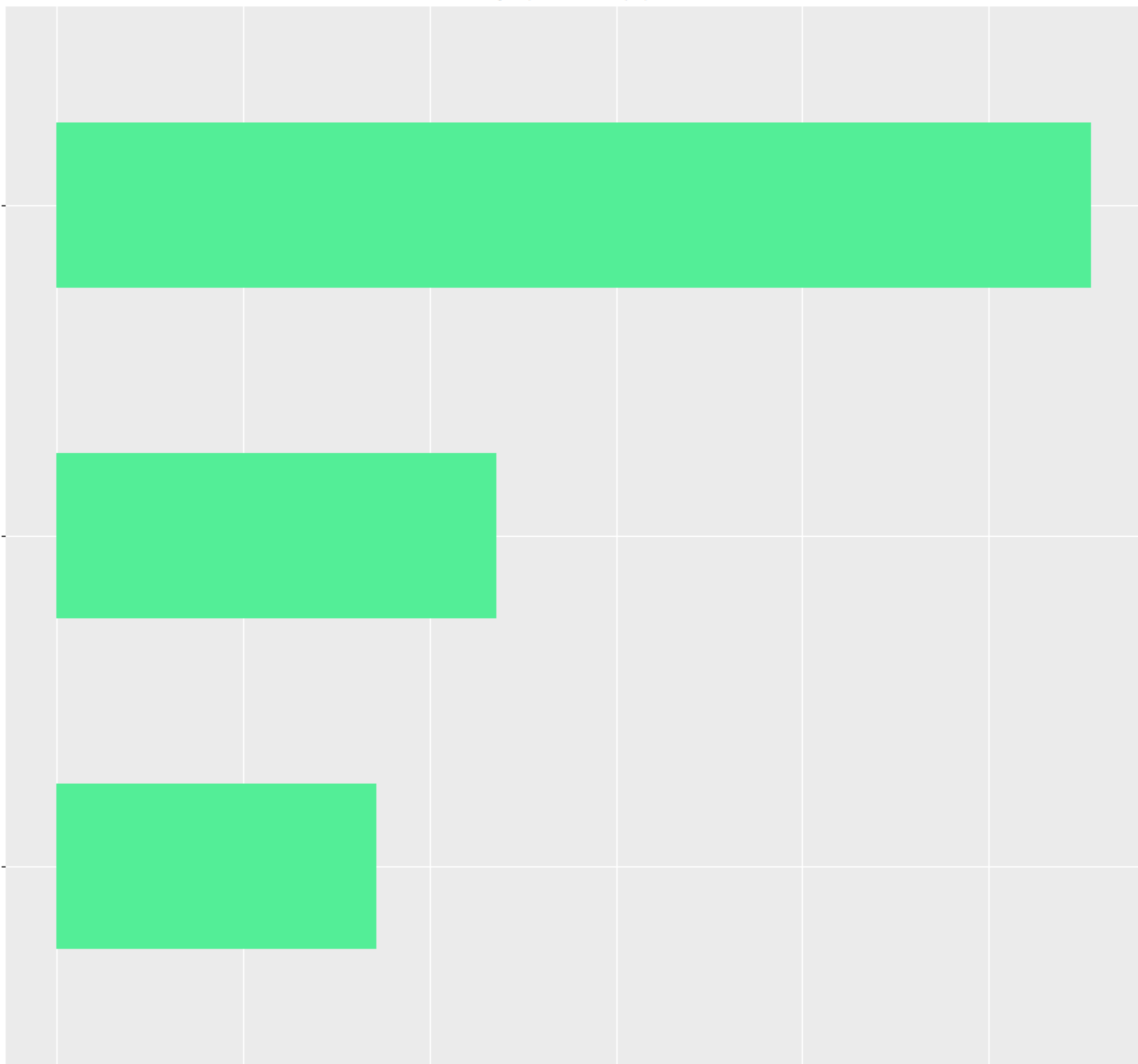
Cluster 29/42

0

2

4

Functional Enrichment



transcription from RNA polymerase II promoter

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 8/24

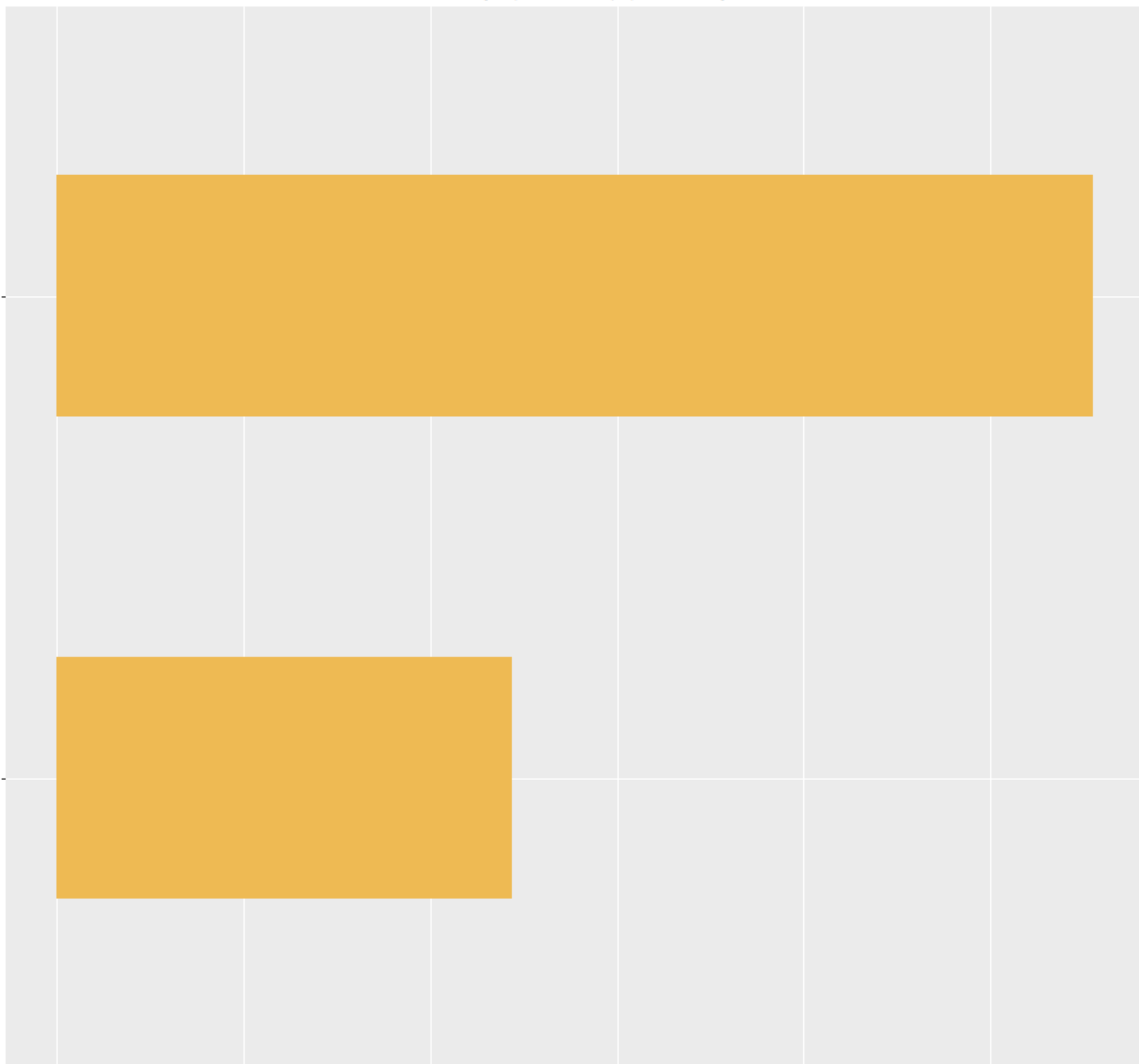
Cluster 22/24

0

2

4

Functional Enrichment



transcription from RNA polymerase II promoter

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 16/41

Cluster 11/41

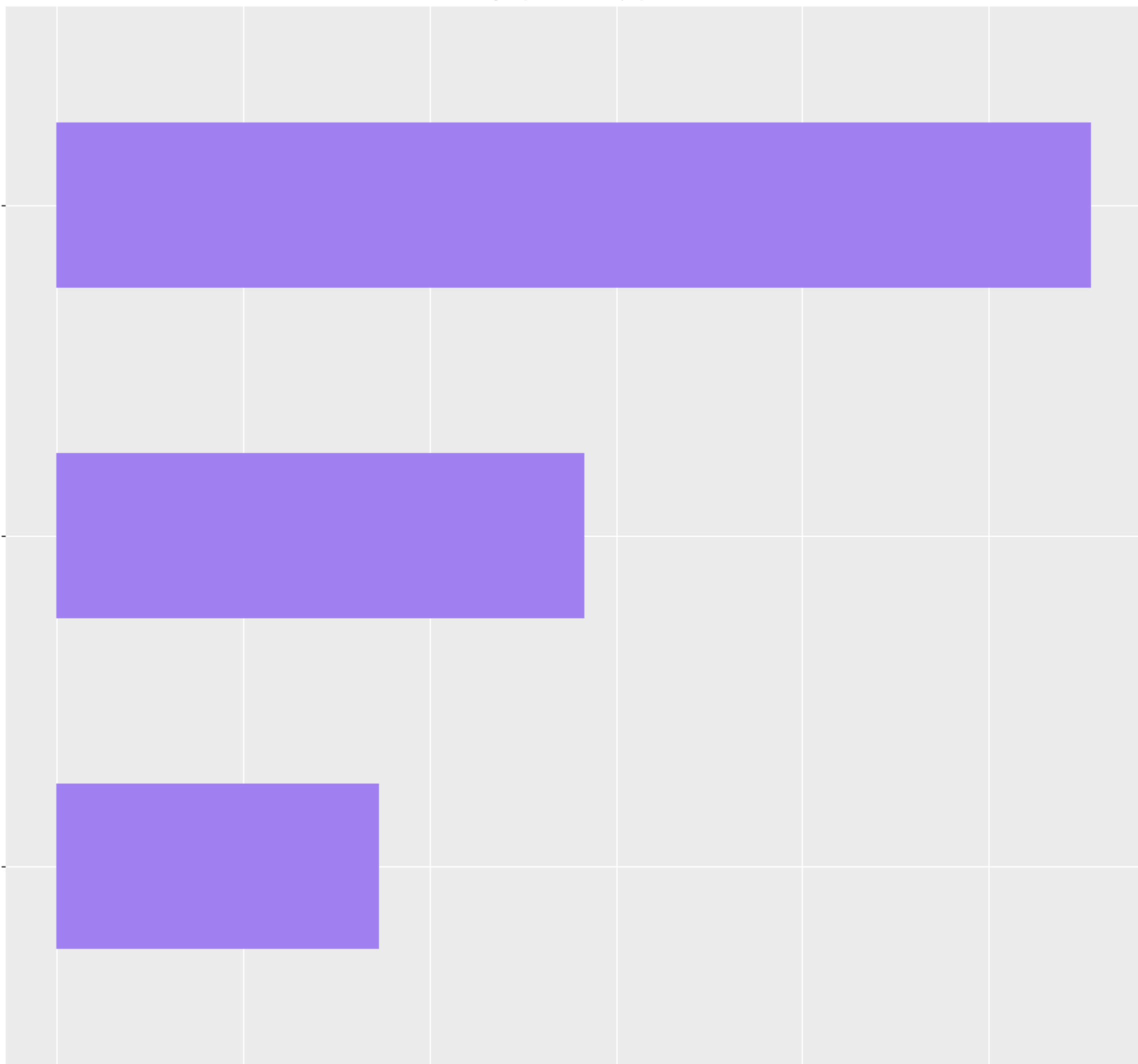
Cluster 30/41

0

2

4

Functional Enrichment



transcription from RNA polymerase II promoter

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 14/26

0

1

2

3

Functional Enrichment



transcription from RNA polymerase III promoter

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 15/42

Cluster 11/42

Cluster 8/42

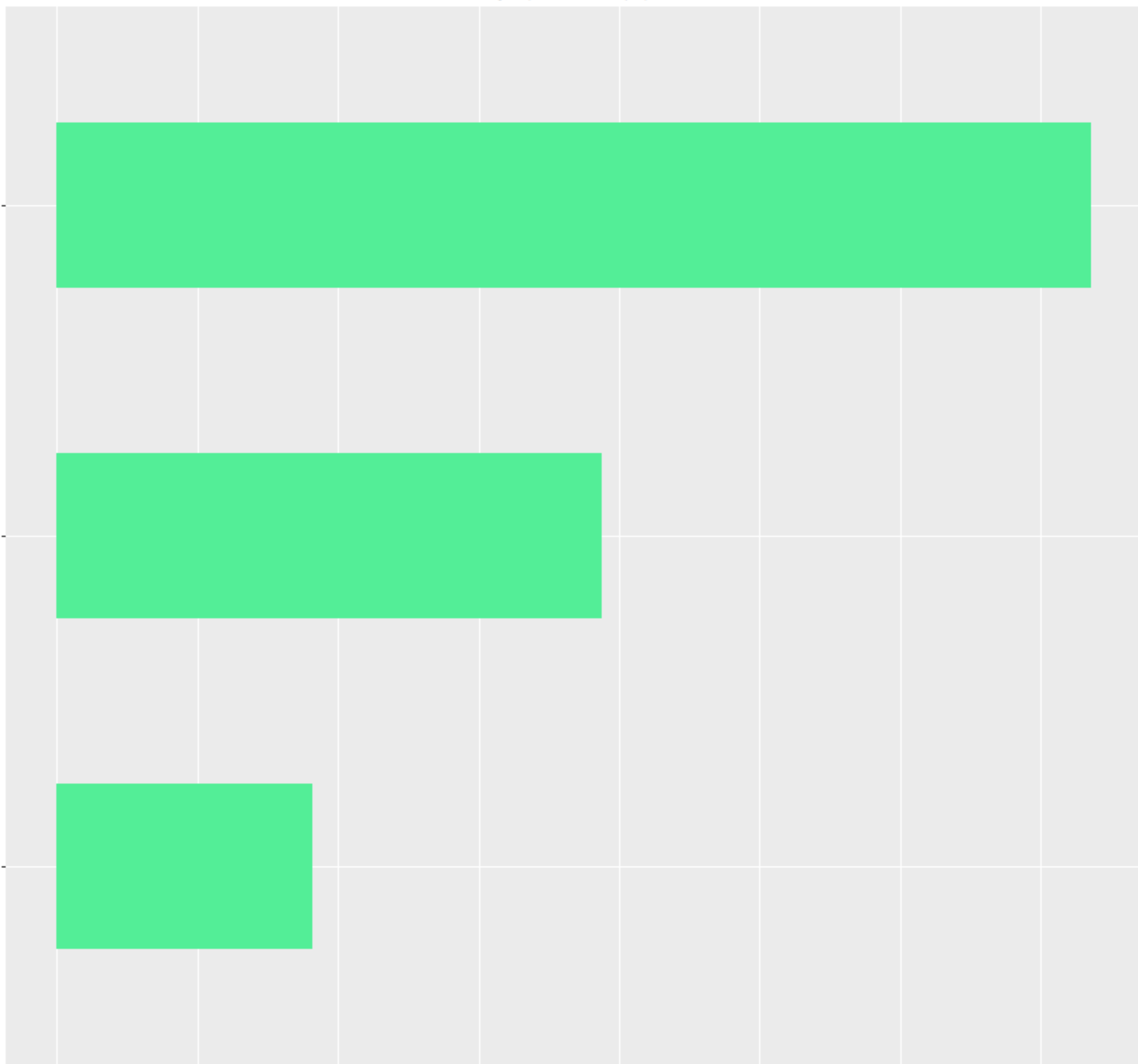
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10

20

30

Functional Enrichment



transcription from RNA polymerase III promoter

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 6/24

Cluster 19/24

Cluster 17/24

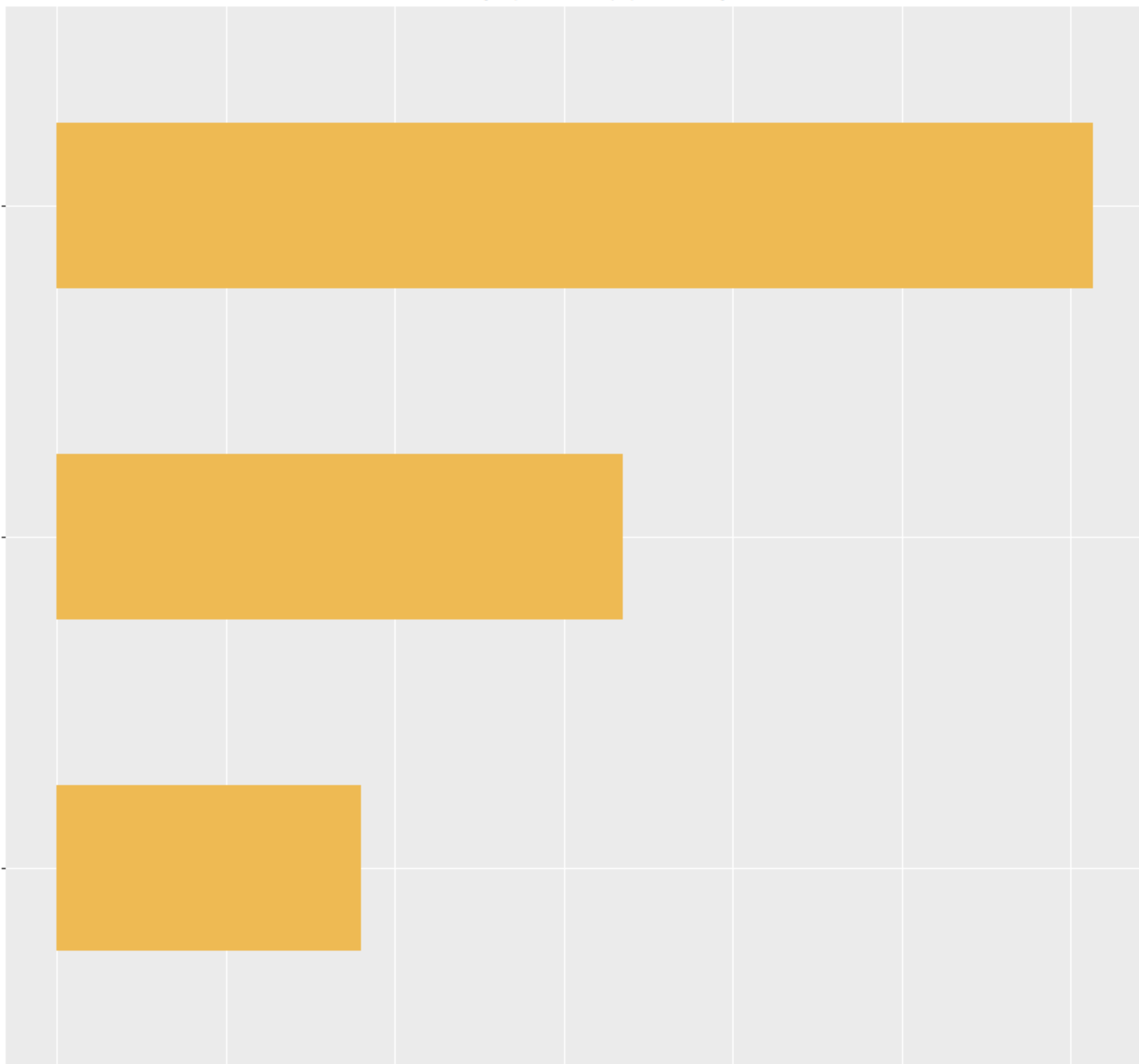
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10

20

30

Functional Enrichment



transcription from RNA polymerase III promoter

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 13/41

Cluster 7/41

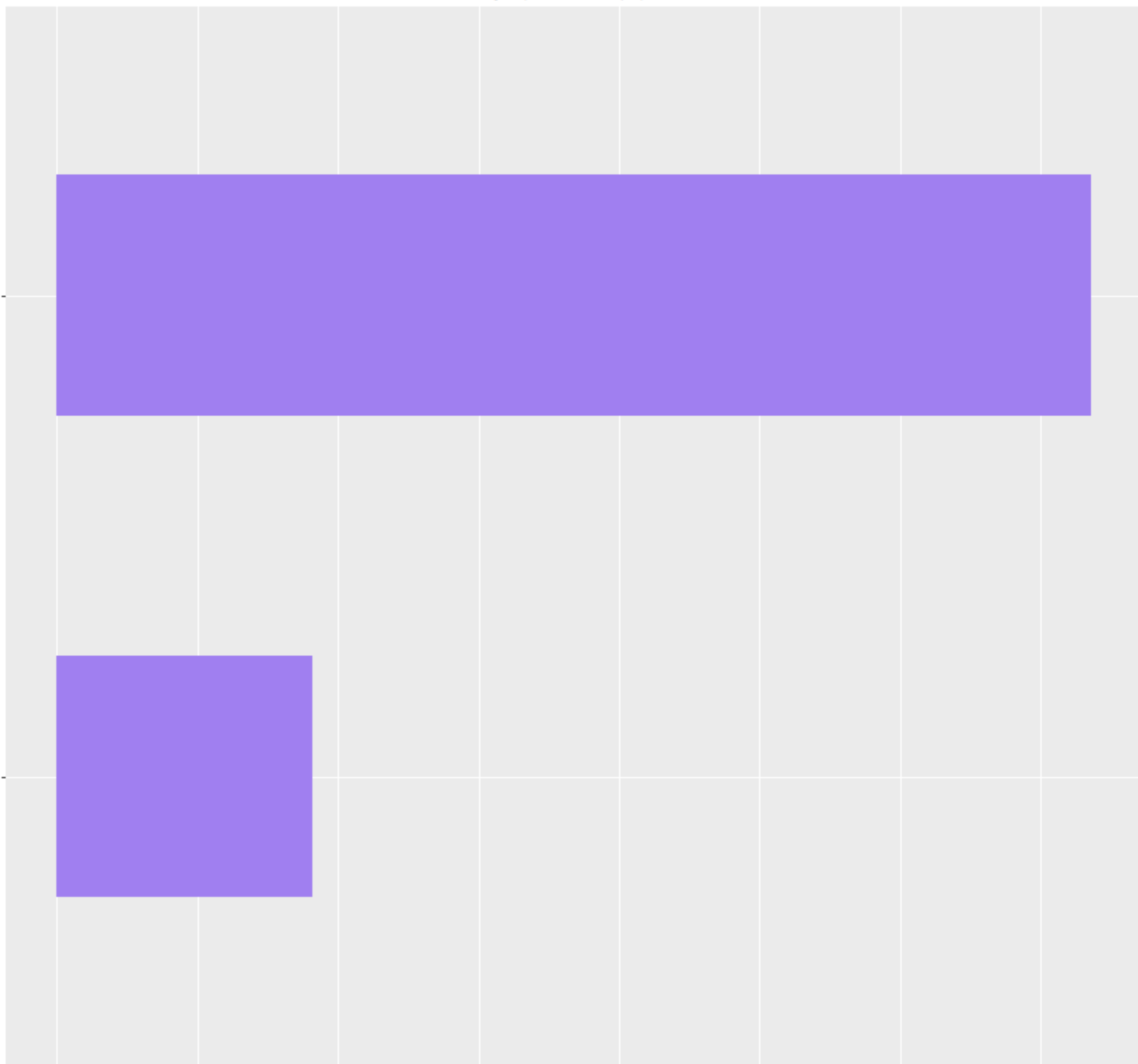
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10

20

30

Functional Enrichment



translational elongation

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 29/42

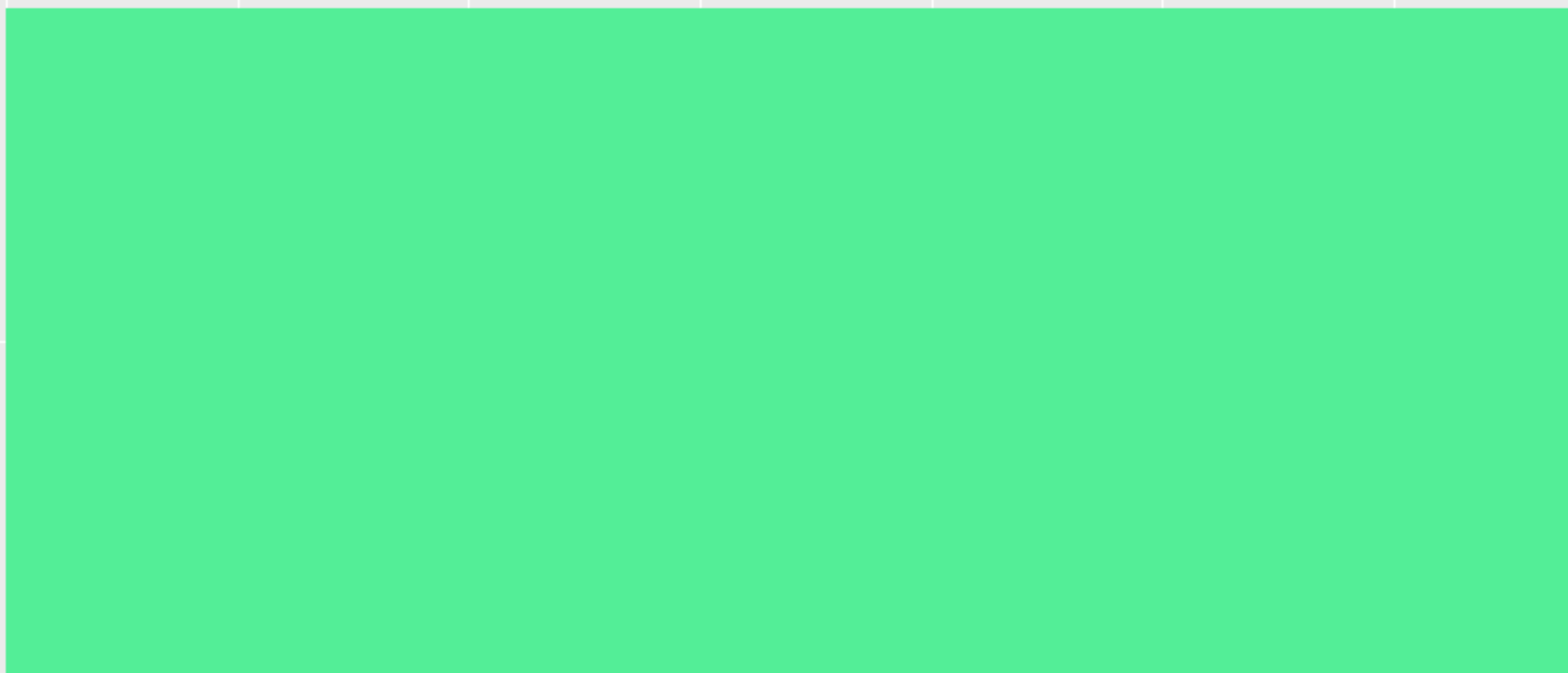
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2

4

6

Functional Enrichment



translational elongation

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 30/41

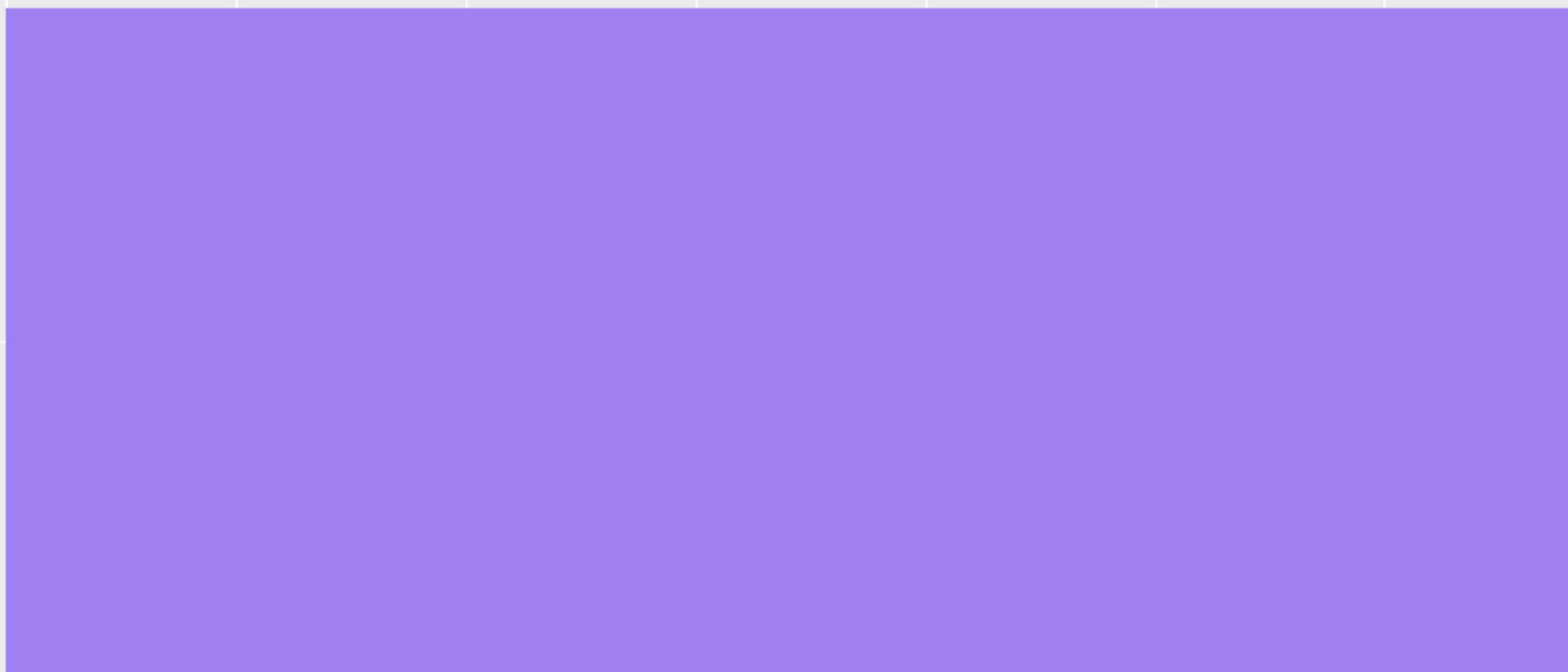
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2

4

6

Functional Enrichment



translational elongation

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 13/26

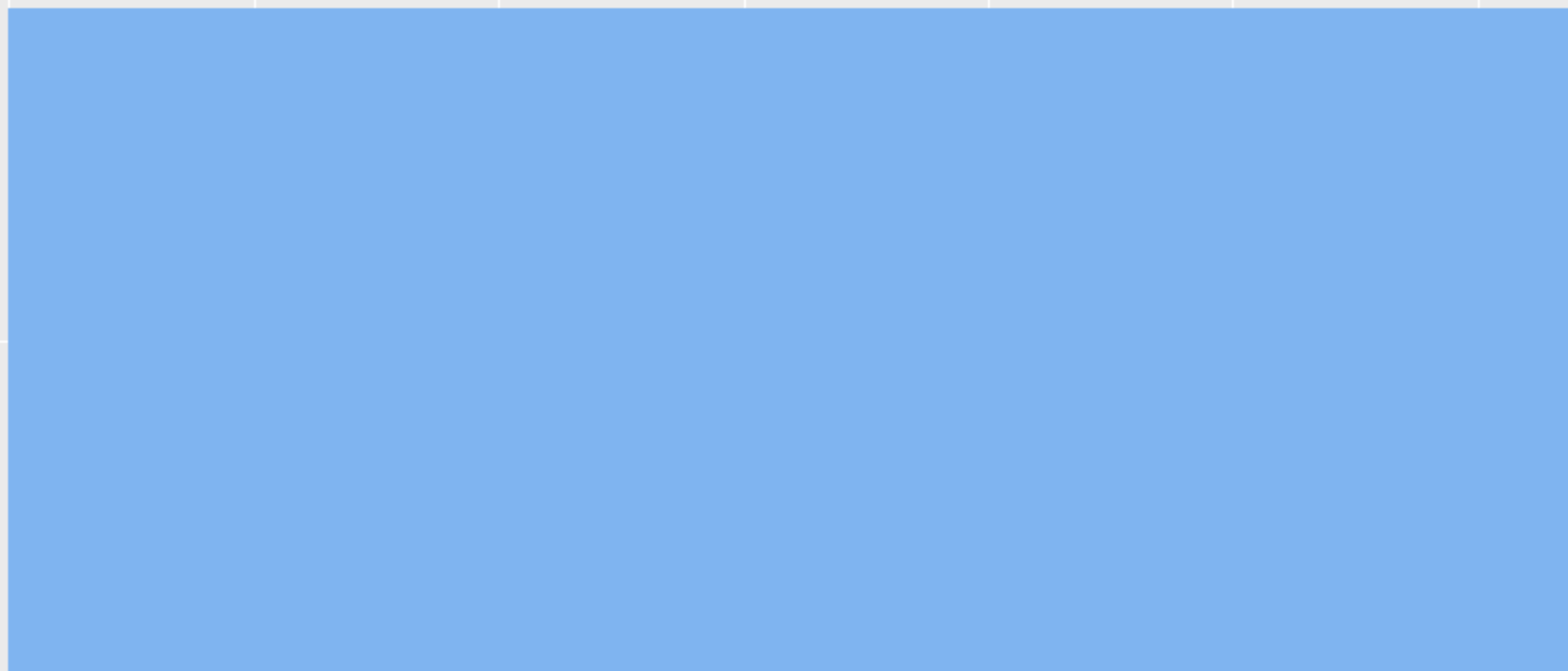
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2

4

6

Functional Enrichment



translational initiation

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 14/42

0

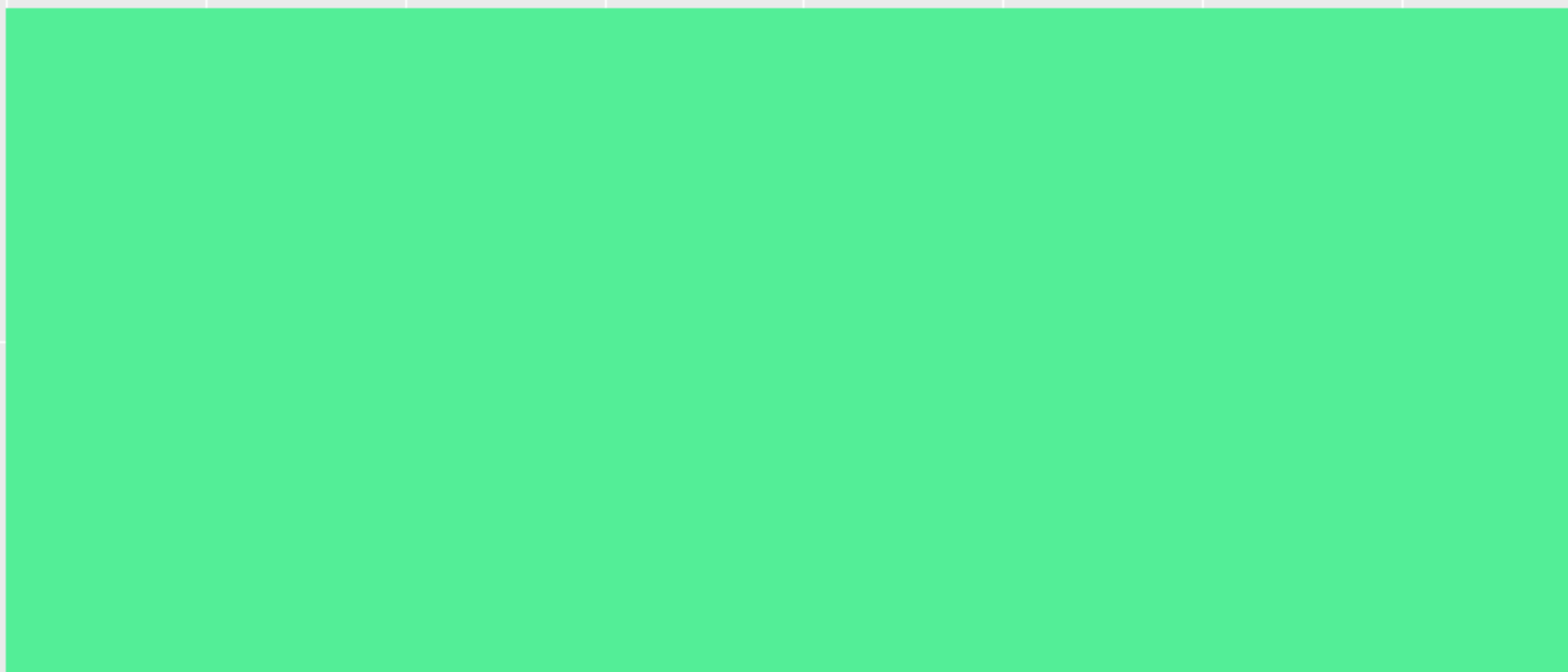
1

2

3

4

Functional Enrichment



translational initiation

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 22/24

0

1

2

3

4

Functional Enrichment



translational initiation

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 11/41

0

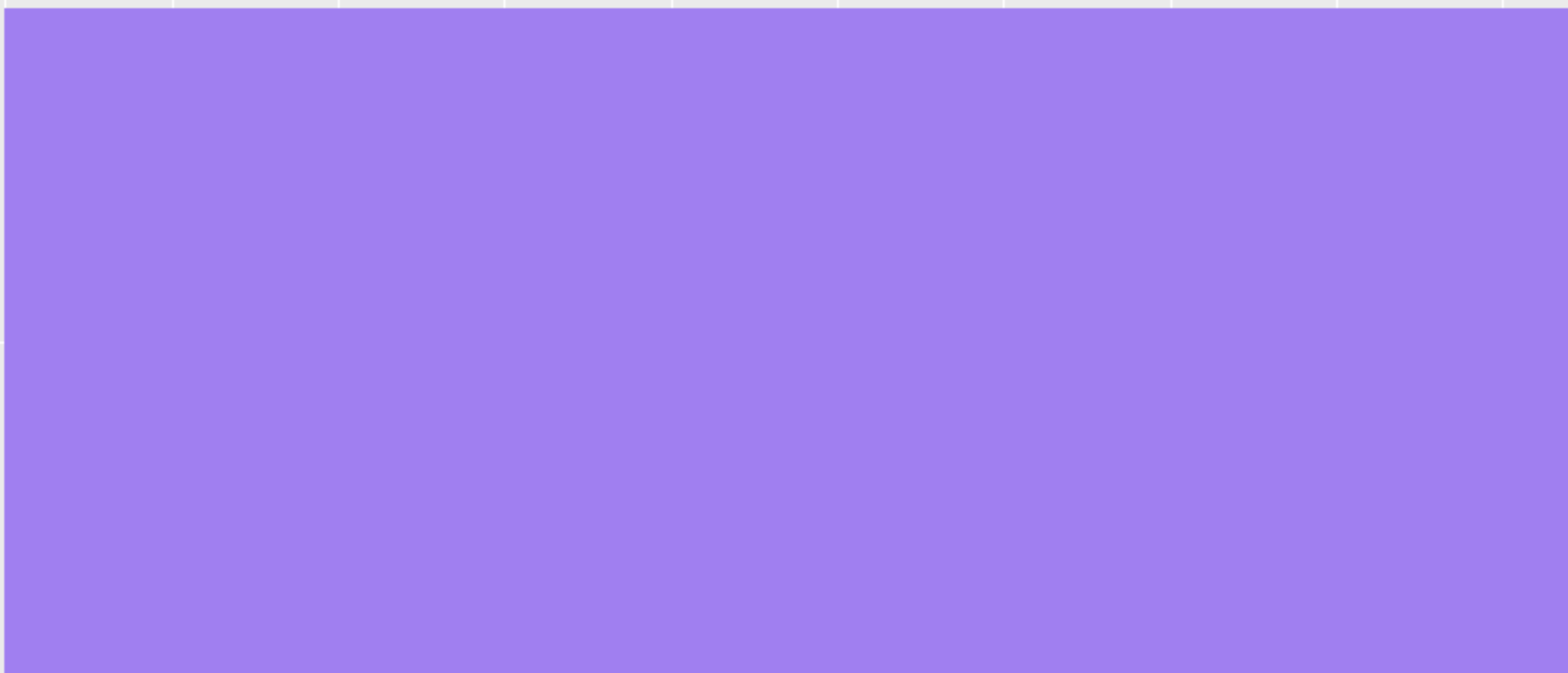
1

2

3

4

Functional Enrichment



transposition

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 41/42

0

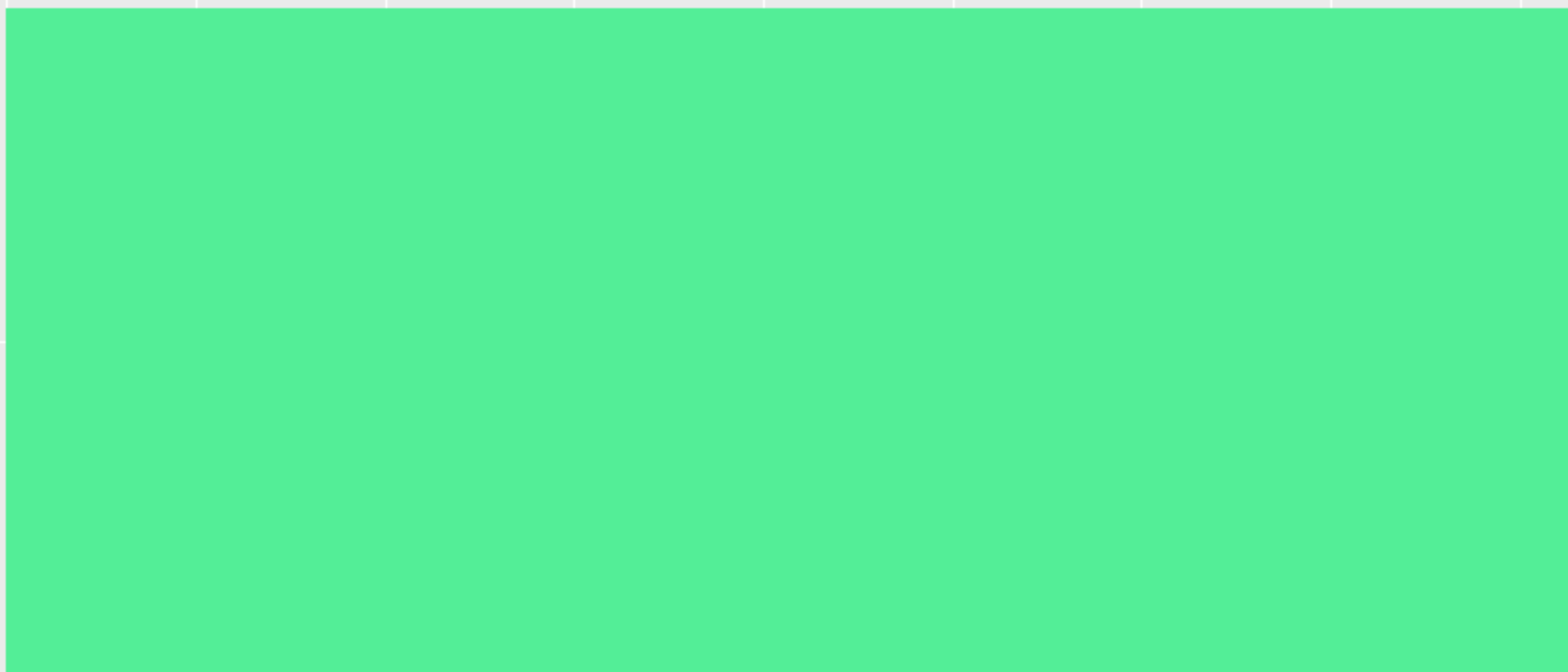
10

20

30

40

Functional Enrichment



transposition

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 40/41

0

10

20

30

Functional Enrichment



transposition

With CellCycle | With AreaShape | Nonessential Only

Cluster

Cluster 19/26

0

10

20

30

40

Functional Enrichment



tRNA aminoacylation for protein translation

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 8/42

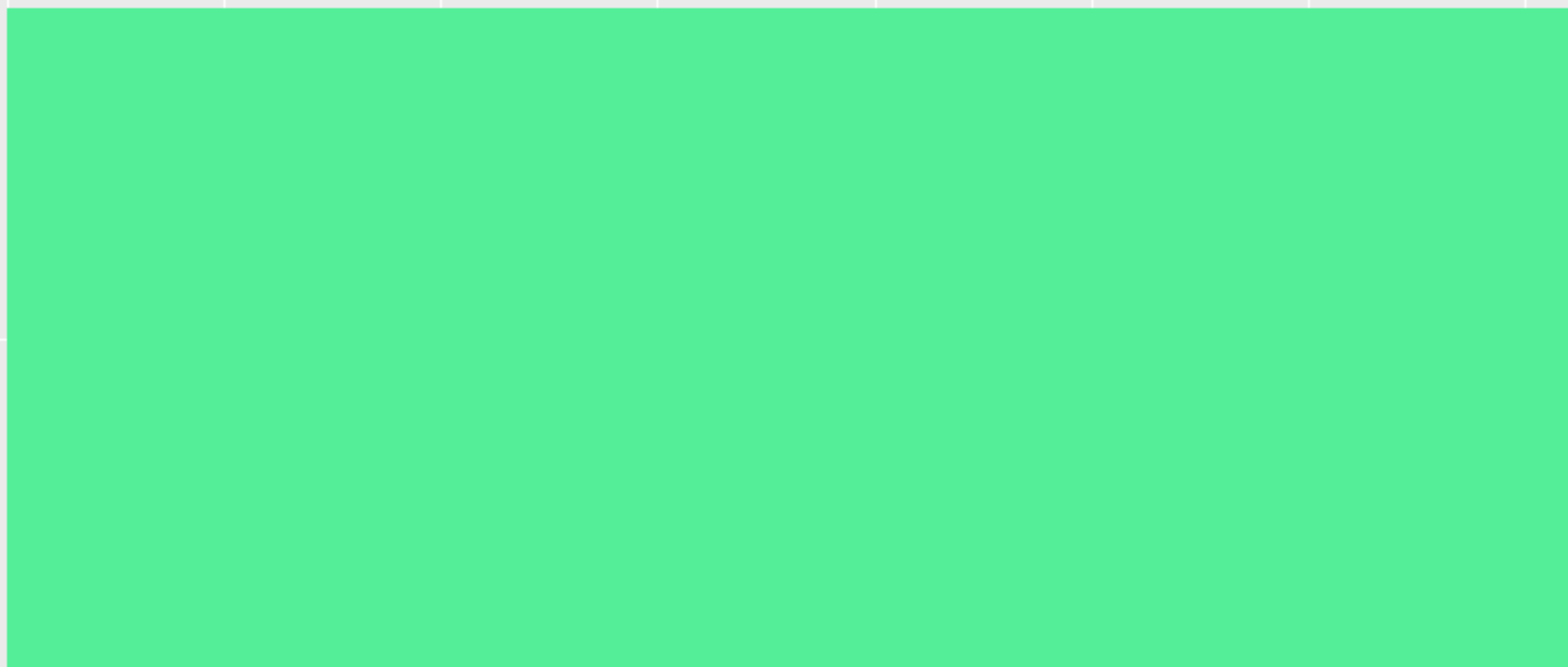
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3

6

9

Functional Enrichment



tRNA aminoacylation for protein translation

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 17/24

0

3

6

9

Functional Enrichment



tRNA aminoacylation for protein translation

With CellCycle | With AreaShape | No Vesicle

Cluster

Cluster 7/41

0

3

6

9

Functional Enrichment



vesicle organization

With CellCycle | With AreaShape | All Genes

Cluster

Cluster 14/42

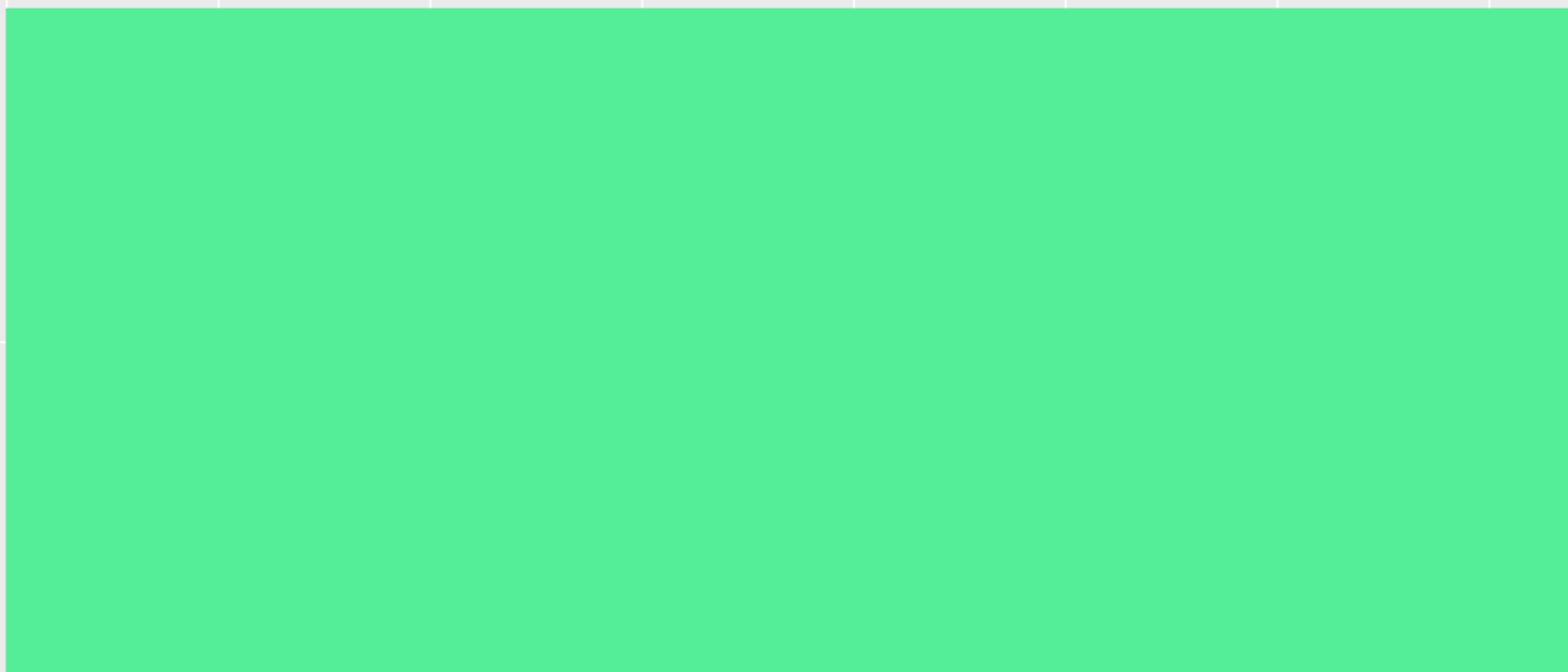
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2

4

6

Functional Enrichment



vesicle organization

With CellCycle | With AreaShape | Essential Only

Cluster

Cluster 22/24

0

2

4

6

Functional Enrichment

