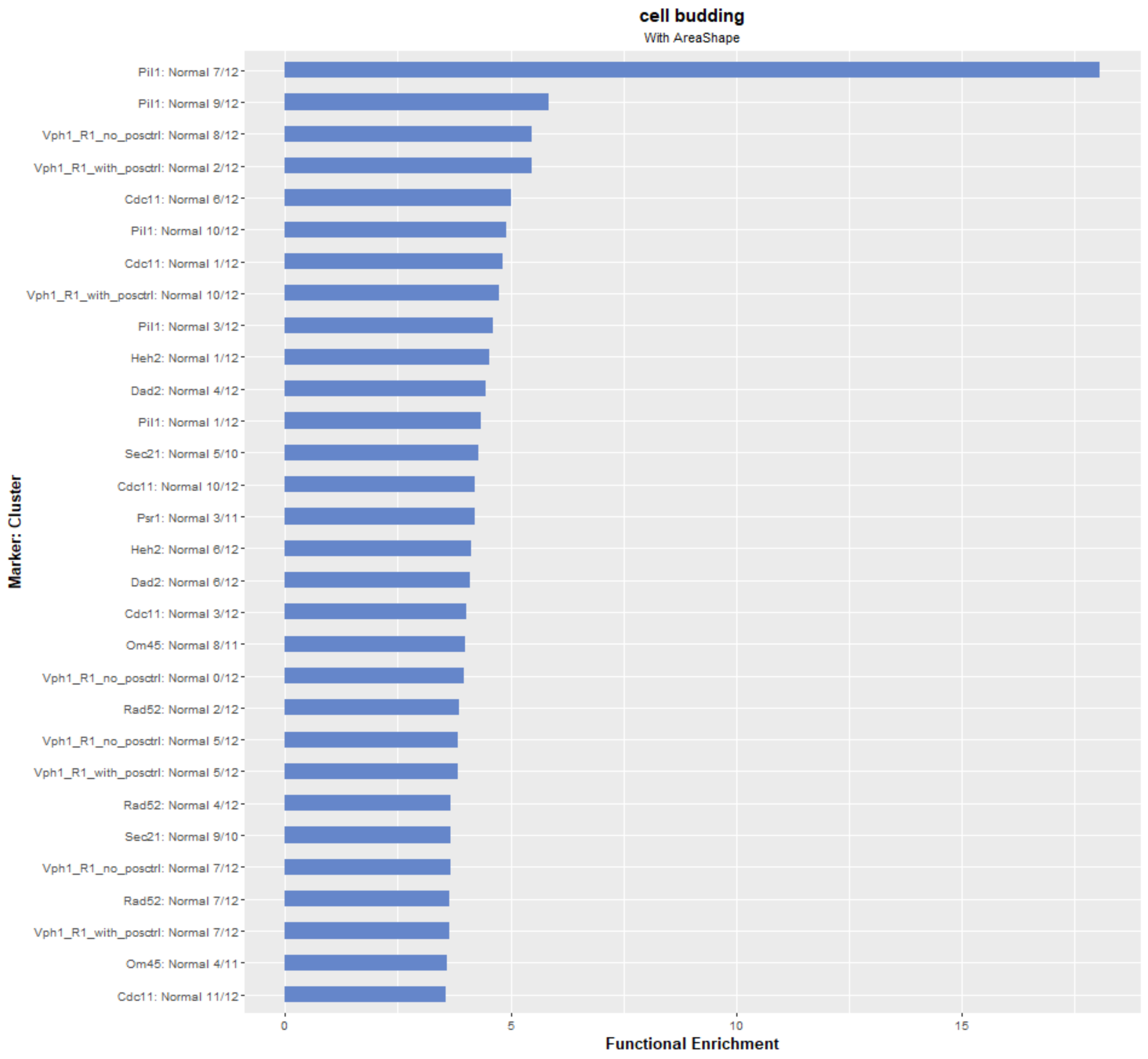

cell budding
With AreaShape
Pil1: Normal 7/12
Pil1: Normal 9/12
Vph1_R1_no_posctrl: Normal 8/12
Vph1_R1_with_posctrl: Normal 2/12
Cdc11: Normal 6/12
Pil1: Normal 10/12
Cdc11: Normal 1/12
Vph1_R1_with_posctrl: Normal 10/12
Pil1: Normal 3/12
Heh2: Normal 1/12
Dad2: Normal 4/12
Pil1: Normal 1/12
Sec21: Normal 5/10
Cdc11: Normal 10/12
Psr1: Normal 3/11
Heh2: Normal 6/12
Dad2: Normal 6/12
Cdc11: Normal 3/12
Om45: Normal 8/11
Vph1_R1_no_posctrl: Normal 0/12
Rad52: Normal 2/12
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Rad52: Normal 4/12
Sec21: Normal 9/10
Vph1_R1_no_posctrl: Normal 7/12
Rad52: Normal 7/12
Vph1_R1_with_posctrl: Normal 7/12
Om45: Normal 4/11
Cdc11: Normal 11/12
Cluster
Marker:
0
5
10
15
Functional Enrichment

cell morphogenesis

With AreaShape

Marker: Cluster

Om45: Normal 3/11

Om45: Normal 10/11

Pil1: Normal 1/12

0

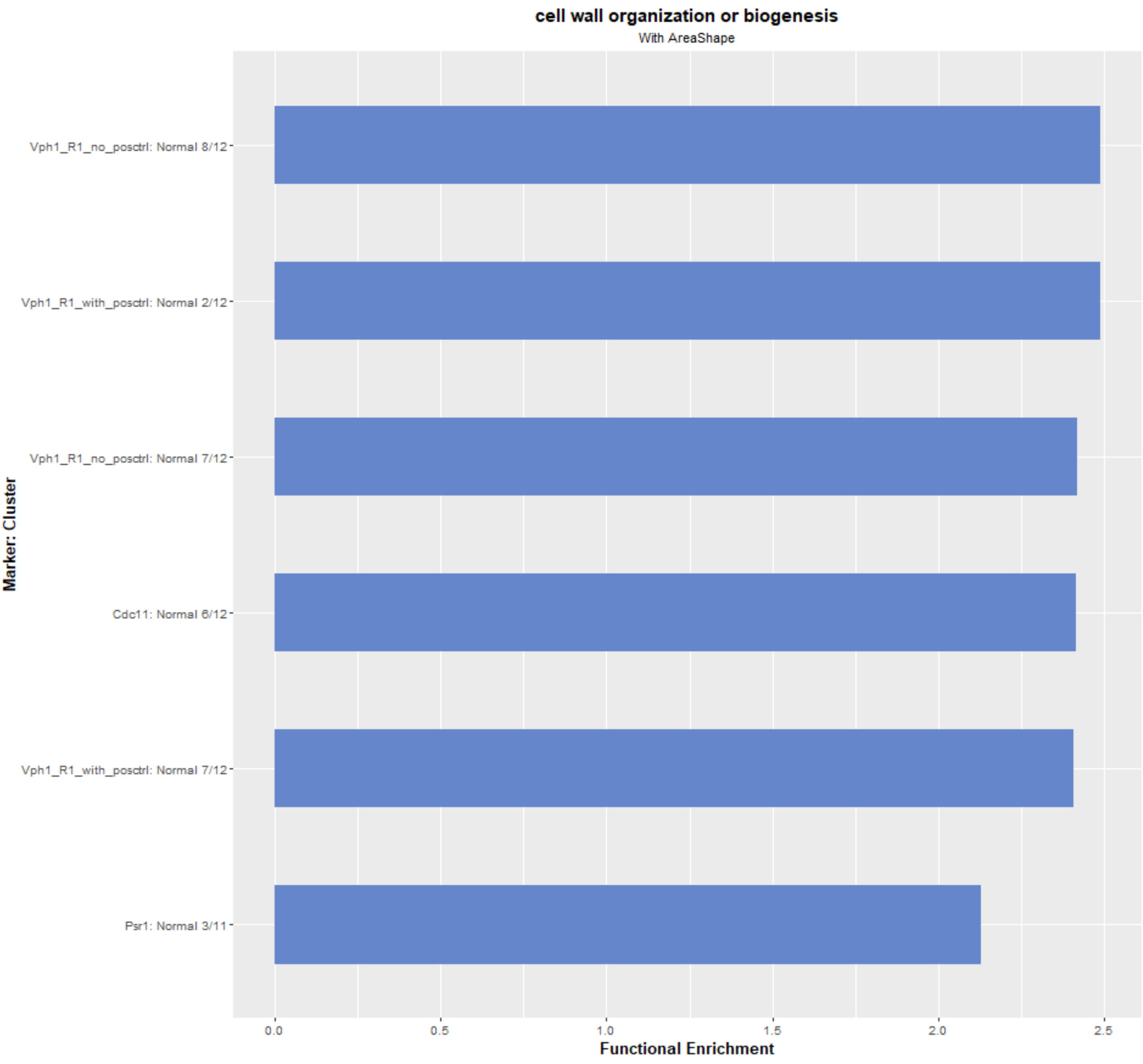
1

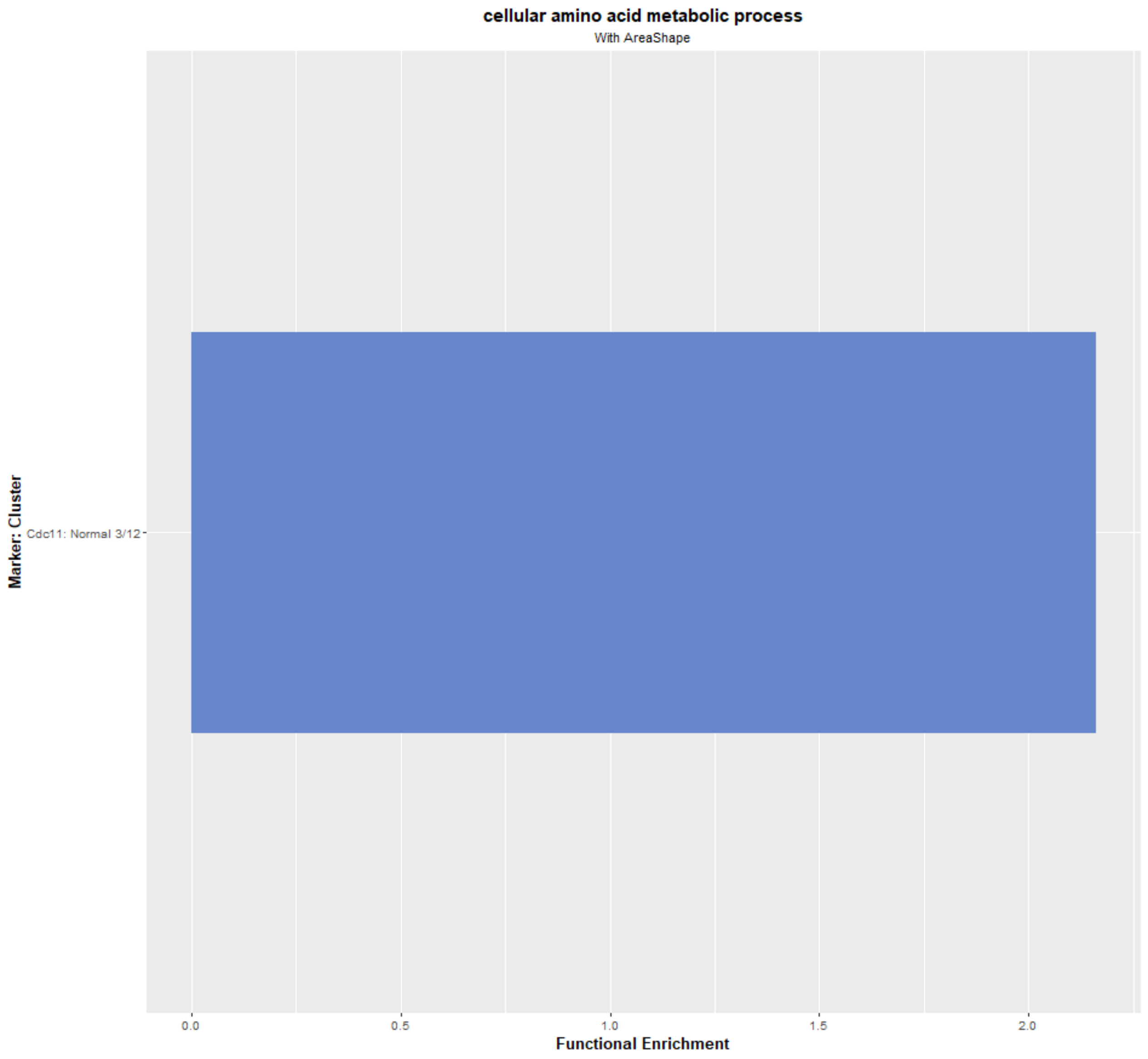
2

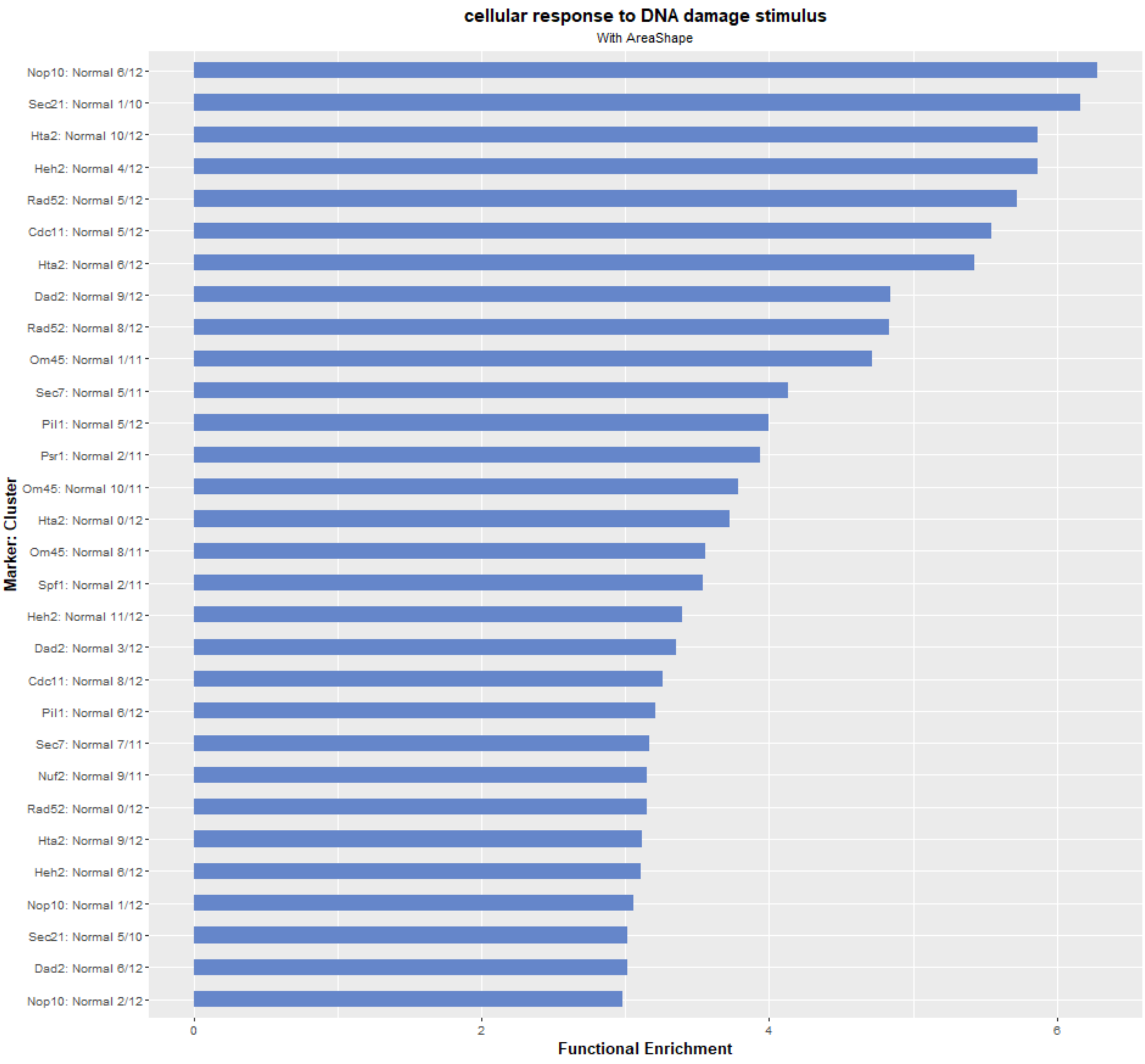
3

4

Functional Enrichment


cell wall organization or biogenesis
With AreaShape
Vph1_R1_no_posctrl: Normal 8/12
Vph1_R1_with_posctrl: Normal 2/12
Vph1_R1_no_posctrl: Normal 7/12
Cdc11: Normal 6/12
Vph1_R1_with_posctrl: Normal 7/12
Psr1: Normal 3/11
Cluster
Marker:
0.0
0.5
1.0
1.5
2.0
2.5
Functional Enrichment


cellular amino acid metabolic process
With AreaShape
Marker: Cluster
Cdc11: Normal 3/12
0.0
0.5
1.0
1.5
2.0
Functional Enrichment


cellular response to DNA damage stimulus
With AreaShape
Nop10: Normal 6/12
Sec21: Normal 1/10
Hta2: Normal 10/12
Heh2: Normal 4/12
Rad52: Normal 5/12
Cdc11: Normal 5/12
Hta2: Normal 6/12
Dad2: Normal 9/12
Rad52: Normal 8/12
Om45: Normal 1/11
Sec7: Normal 5/11
Pil1: Normal 5/12
Psr1: Normal 2/11
Om45: Normal 10/11
Hta2: Normal 0/12
Om45: Normal 8/11
Spf1: Normal 2/11
Heh2: Normal 11/12
Dad2: Normal 3/12
Cdc11: Normal 8/12
Pil1: Normal 6/12
Sec7: Normal 7/11
Nuf2: Normal 9/11
Rad52: Normal 0/12
Hta2: Normal 9/12
Heh2: Normal 6/12
Nop10: Normal 1/12
Sec21: Normal 5/10
Dad2: Normal 6/12
Nop10: Normal 2/12
Cluster
Marker:
0
2
4
6
Functional Enrichment

chromatin organization

With AreaShape

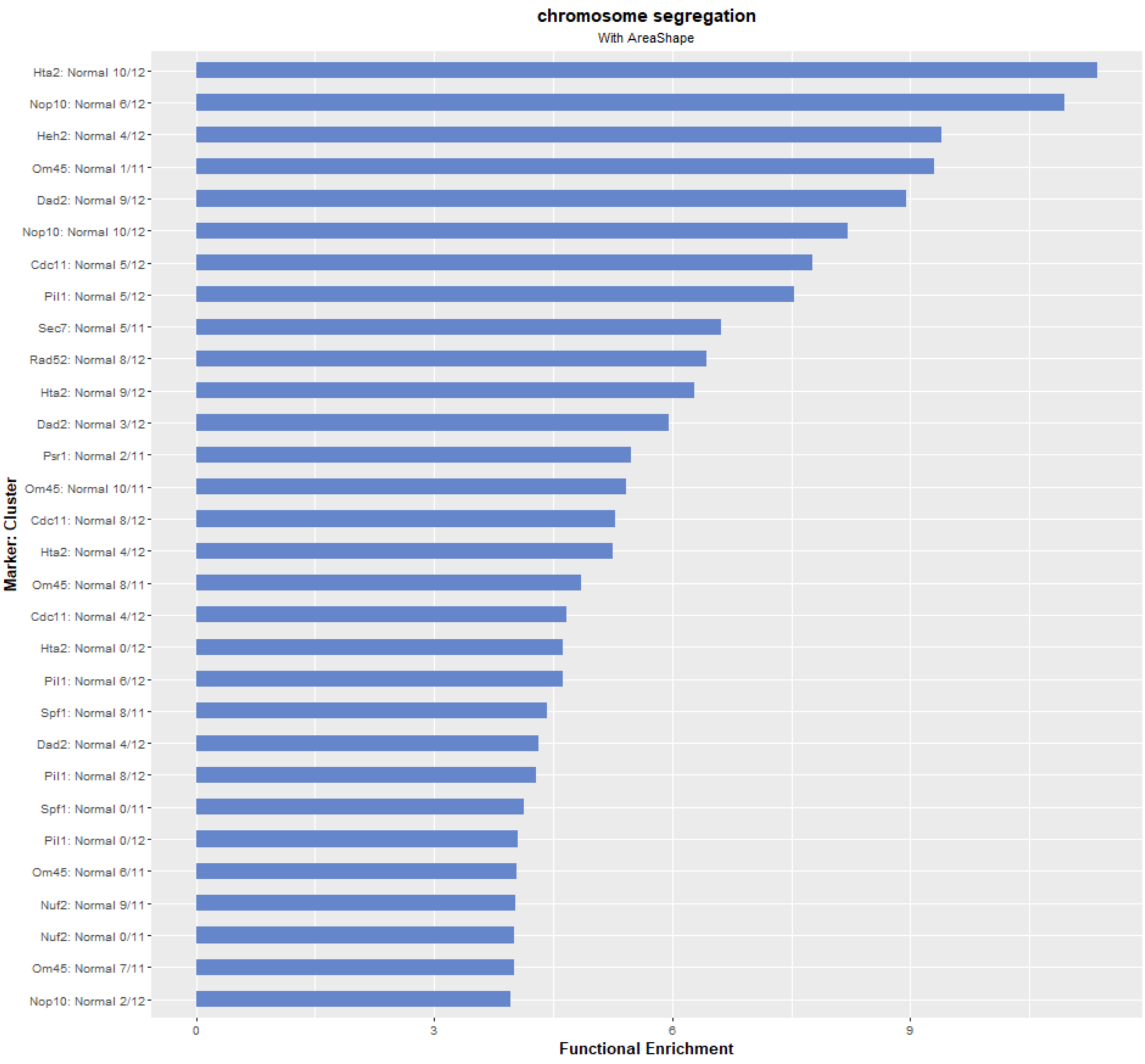
Cluster

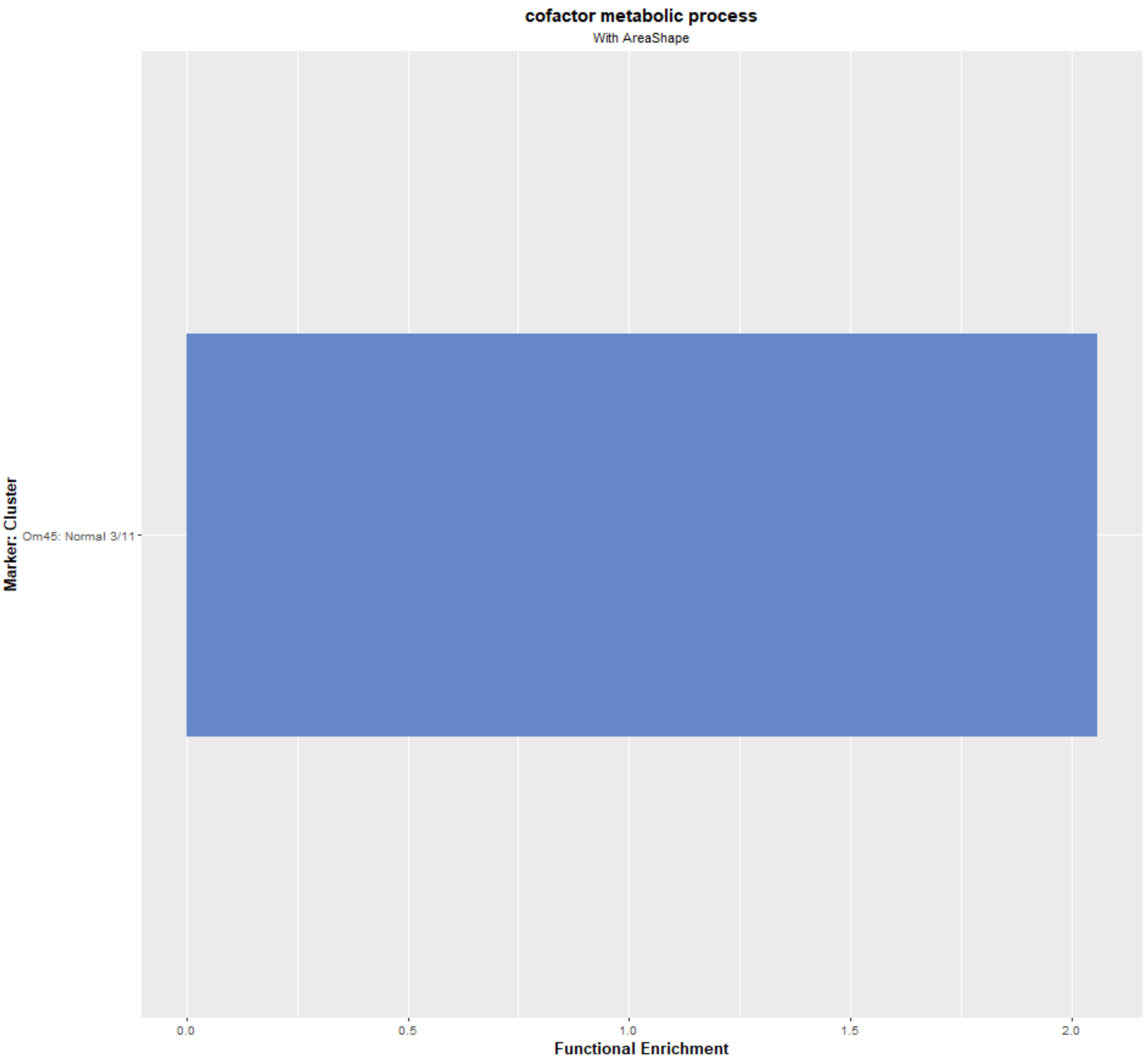
Marker:

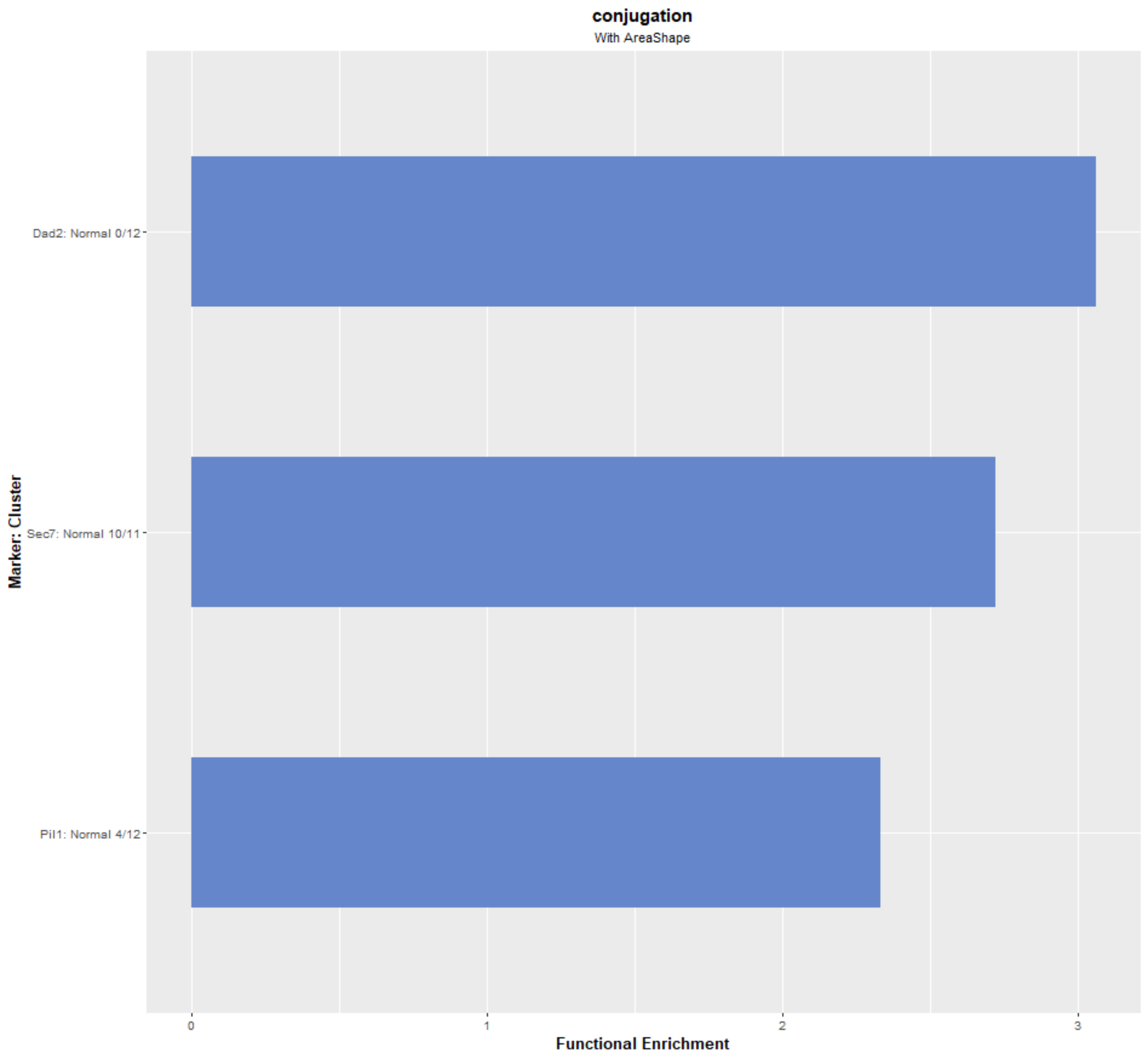
Hta2: Normal 6/12
Sec21: Normal 1/10
Cdc11: Normal 5/12
Cdc11: Normal 8/12
Om45: Normal 5/11
Spf1: Normal 2/11
Hta2: Normal 4/12
Nop10: Normal 6/12
Om45: Normal 10/11
Spf1: Normal 4/11
Rad52: Normal 5/12
Dad2: Normal 6/12
Spf1: Normal 5/11
Rad52: Normal 8/12
Dad2: Normal 0/12
Heh2: Normal 4/12
Pil1: Normal 5/12
Hta2: Normal 0/12
Nop10: Normal 5/12
Pil1: Normal 2/12
Om45: Normal 8/11
Dad2: Normal 3/12
Om45: Normal 4/11
Nop10: Normal 2/12
Hta2: Normal 10/12
Hta2: Normal 1/12
Cdc11: Normal 9/12
Psr1: Normal 2/11
Cdc11: Normal 3/12
Cdc11: Normal 1/12

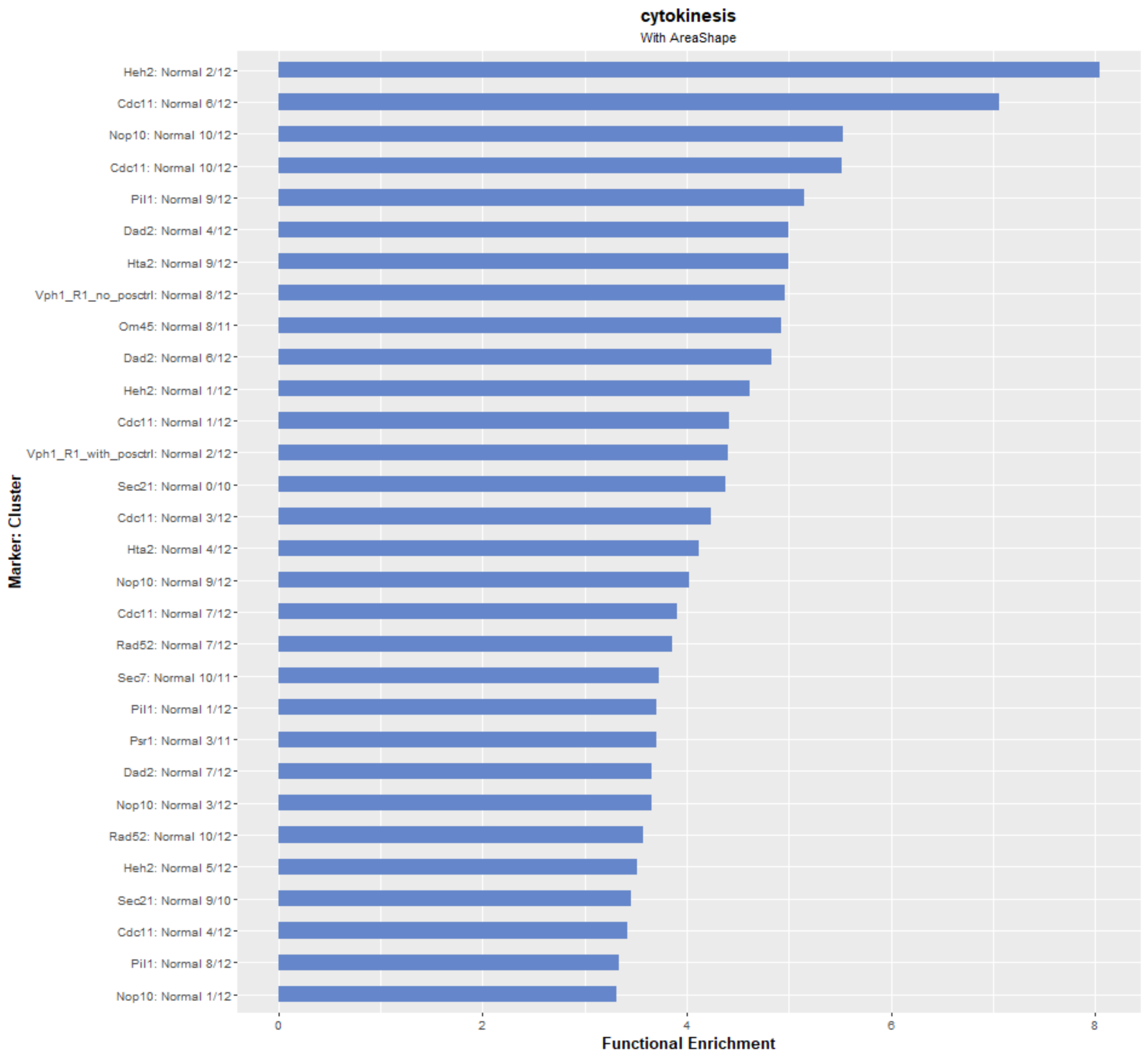
0
2
4
6

Functional Enrichment


chromosome segregation
With AreaShape
Cluster
Marker:
Hta2: Normal 10/12
Nop10: Normal 6/12
Heh2: Normal 4/12
Om45: Normal 1/11
Dad2: Normal 9/12
Nop10: Normal 10/12
Cdc11: Normal 5/12
Pil1: Normal 5/12
Sec7: Normal 5/11
Rad52: Normal 8/12
Hta2: Normal 9/12
Dad2: Normal 3/12
Psr1: Normal 2/11
Om45: Normal 10/11
Cdc11: Normal 8/12
Hta2: Normal 4/12
Om45: Normal 8/11
Cdc11: Normal 4/12
Hta2: Normal 0/12
Pil1: Normal 6/12
Spf1: Normal 8/11
Dad2: Normal 4/12
Pil1: Normal 8/12
Spf1: Normal 0/11
Pil1: Normal 0/12
Om45: Normal 6/11
Nuf2: Normal 9/11
Nuf2: Normal 0/11
Om45: Normal 7/11
Nop10: Normal 2/12
0
3
6
9
Functional Enrichment


cofactor metabolic process
With AreaShape
Marker: Cluster
Om45: Normal 3/11
0.0
0.5
1.0
1.5
2.0
Functional Enrichment


conjugation
With AreaShape
Dad2: Normal 0/12
Sec7: Normal 10/11
Pil1: Normal 4/12
Marker: Cluster
0
1
2
3
Functional Enrichment


cytokinesis
With AreaShape
Heh2: Normal 2/12
Cdc11: Normal 6/12
Nop10: Normal 10/12
Cdc11: Normal 10/12
Pil1: Normal 9/12
Dad2: Normal 4/12
Hta2: Normal 9/12
Vph1_R1_no_posctrl: Normal 8/12
Om45: Normal 8/11
Dad2: Normal 6/12
Heh2: Normal 1/12
Cdc11: Normal 1/12
Vph1_R1_with_posctrl: Normal 2/12
Sec21: Normal 0/10
Cdc11: Normal 3/12
Hta2: Normal 4/12
Nop10: Normal 9/12
Cdc11: Normal 7/12
Rad52: Normal 7/12
Sec7: Normal 10/11
Pil1: Normal 1/12
Psr1: Normal 3/11
Dad2: Normal 7/12
Nop10: Normal 3/12
Rad52: Normal 10/12
Heh2: Normal 5/12
Sec21: Normal 9/10
Cdc11: Normal 4/12
Pil1: Normal 8/12
Nop10: Normal 1/12
Cluster
Marker:
0
2
4
6
8
Functional Enrichment

cytoplasmic translation

With AreaShape

Pil1: Normal 4/12

Hta2: Normal 8/12

Cluster

Marker:

0

1

2

3

Functional Enrichment

cytoskeleton organization

With AreaShape

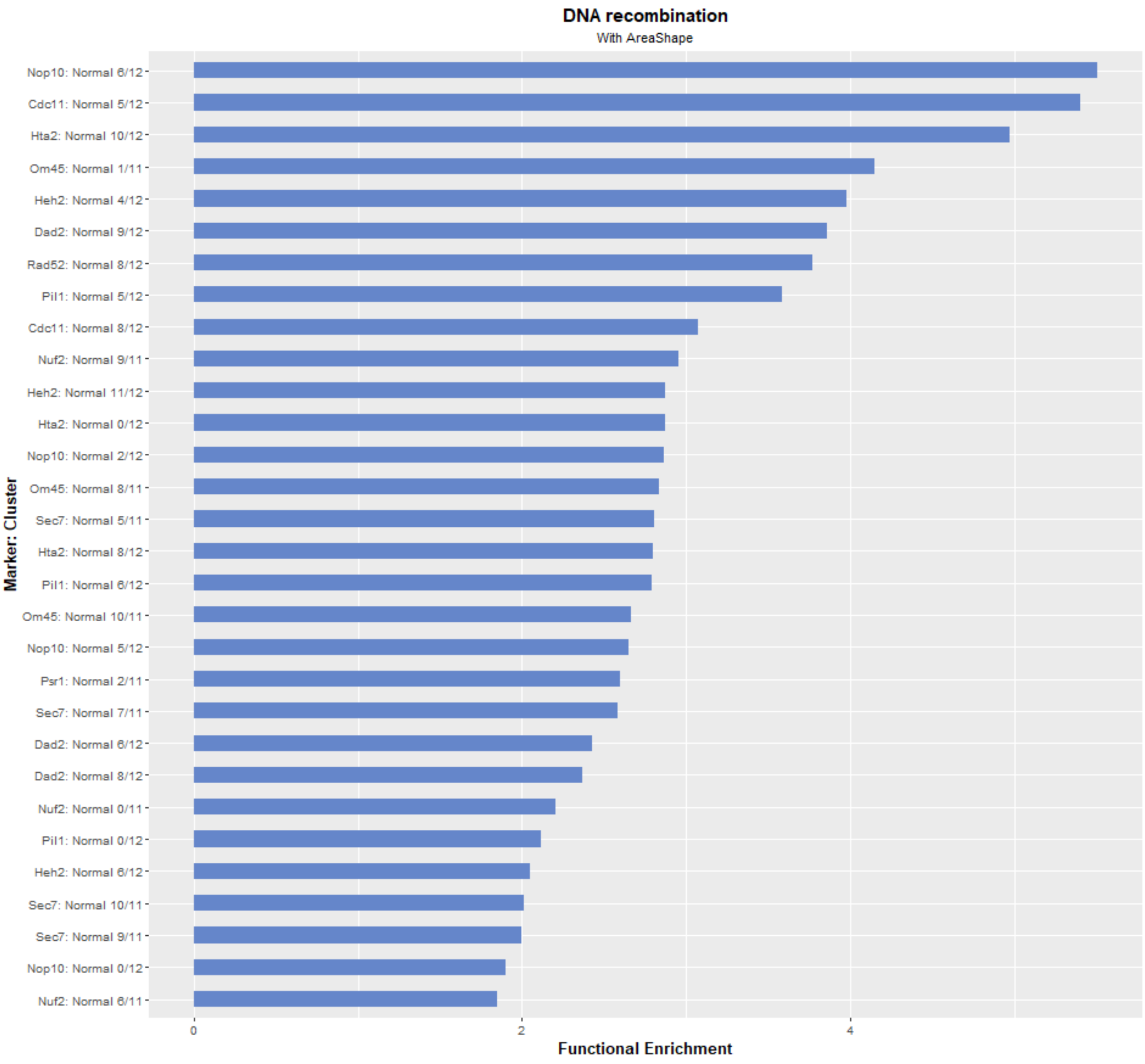
Cluster

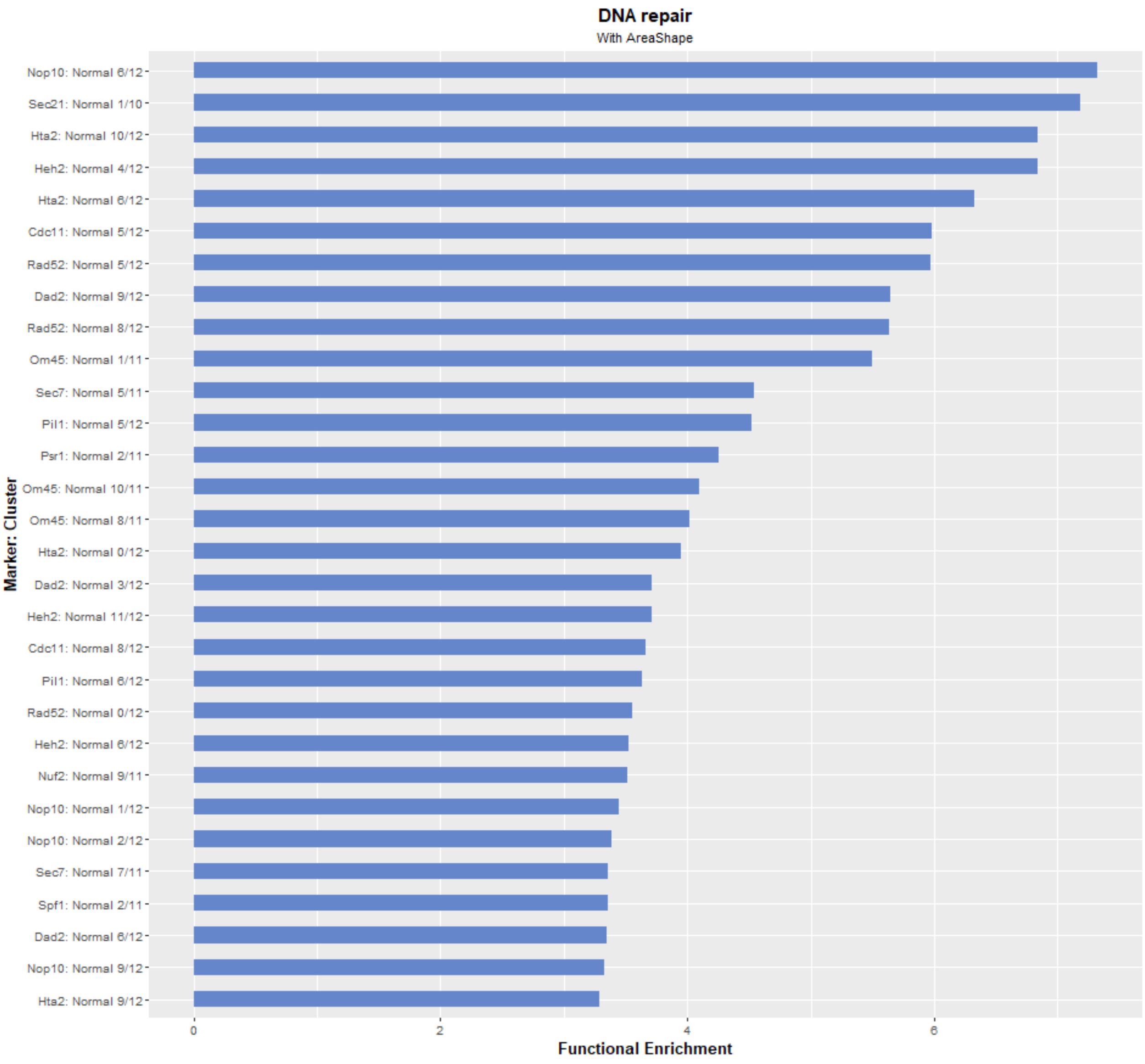
Marker:

Nop10: Normal 10/12
Hta2: Normal 10/12
Pil1: Normal 7/12
Nop10: Normal 6/12
Dad2: Normal 9/12
Cdc11: Normal 5/12
Hta2: Normal 9/12
Rad52: Normal 10/12
Om45: Normal 1/11
Heh2: Normal 4/12
Om45: Normal 8/11
Dad2: Normal 3/12
Dad2: Normal 4/12
Pil1: Normal 5/12
Hta2: Normal 4/12
Rad52: Normal 8/12
Om45: Normal 10/11
Spf1: Normal 0/11
Dad2: Normal 6/12
Cdc11: Normal 8/12
Hta2: Normal 0/12
Pil1: Normal 6/12
Psr1: Normal 2/11
Cdc11: Normal 3/12
Sec7: Normal 5/11
Sec21: Normal 9/10
Pil1: Normal 8/12
Cdc11: Normal 1/12
Cdc11: Normal 10/12
Spf1: Normal 8/11

0
2
4
6
8

Functional Enrichment


DNA recombination
With AreaShape
Nop10: Normal 6/12
Cdc11: Normal 5/12
Hta2: Normal 10/12
Om45: Normal 1/11
Heh2: Normal 4/12
Dad2: Normal 9/12
Rad52: Normal 8/12
Pil1: Normal 5/12
Cdc11: Normal 8/12
Nuf2: Normal 9/11
Heh2: Normal 11/12
Hta2: Normal 0/12
Nop10: Normal 2/12
Om45: Normal 8/11
Sec7: Normal 5/11
Hta2: Normal 8/12
Pil1: Normal 6/12
Om45: Normal 10/11
Nop10: Normal 5/12
Psr1: Normal 2/11
Sec7: Normal 7/11
Dad2: Normal 6/12
Dad2: Normal 8/12
Nuf2: Normal 0/11
Pil1: Normal 0/12
Heh2: Normal 6/12
Sec7: Normal 10/11
Sec7: Normal 9/11
Nop10: Normal 0/12
Nuf2: Normal 6/11
Cluster
Marker:
0
2
4
Functional Enrichment


DNA repair
With AreaShape
Cluster
Marker:
Nop10: Normal 6/12
Sec21: Normal 1/10
Hta2: Normal 10/12
Heh2: Normal 4/12
Hta2: Normal 6/12
Cdc11: Normal 5/12
Rad52: Normal 5/12
Dad2: Normal 9/12
Rad52: Normal 8/12
Om45: Normal 1/11
Sec7: Normal 5/11
Pil1: Normal 5/12
Psr1: Normal 2/11
Om45: Normal 10/11
Om45: Normal 8/11
Hta2: Normal 0/12
Dad2: Normal 3/12
Heh2: Normal 11/12
Cdc11: Normal 8/12
Pil1: Normal 6/12
Rad52: Normal 0/12
Heh2: Normal 6/12
Nuf2: Normal 9/11
Nop10: Normal 1/12
Nop10: Normal 2/12
Sec7: Normal 7/11
Spf1: Normal 2/11
Dad2: Normal 6/12
Nop10: Normal 9/12
Hta2: Normal 9/12
0
2
4
6
Functional Enrichment

DNA replication

With AreaShape

Cluster

Nop10: Normal 6/12
Hta2: Normal 10/12
Heh2: Normal 4/12
Om45: Normal 1/11
Dad2: Normal 9/12
Cdc11: Normal 5/12
Pil1: Normal 5/12
Rad52: Normal 8/12
Hta2: Normal 6/12
Sec7: Normal 5/11
Psr1: Normal 2/11
Hta2: Normal 0/12
Dad2: Normal 3/12
Cdc11: Normal 8/12
Rad52: Normal 5/12

Marker:

Om45: Normal 10/11
Om45: Normal 8/11
Dad2: Normal 6/12
Rad52: Normal 0/12
Hta2: Normal 11/12
Nop10: Normal 2/12
Heh2: Normal 6/12
Nop10: Normal 9/12
Pil1: Normal 6/12
Dad2: Normal 4/12
Heh2: Normal 11/12
Sec21: Normal 9/10
Spf1: Normal 8/11
Pil1: Normal 0/12
Cdc11: Normal 7/12

0.0
2.5
5.0
7.5
10.0
12.5

Functional Enrichment

DNA-templated transcription, elongation

With AreaShape

Cluster

Hta2: Normal 6/12
Sec21: Normal 1/10
Spf1: Normal 2/11
Rad52: Normal 5/12
Spf1: Normal 4/11
Nop10: Normal 1/12
Hta2: Normal 4/12
Cdc11: Normal 9/12
Om45: Normal 0/11
Heh2: Normal 10/12
Heh2: Normal 6/12
Cdc11: Normal 2/12
Cdc11: Normal 0/12
Heh2: Normal 7/12
Pil1: Normal 8/12

Marker:

Rad52: Normal 10/12
Heh2: Normal 1/12
Hta2: Normal 9/12
Dad2: Normal 5/12
Hta2: Normal 0/12
Nop10: Normal 5/12
Cdc11: Normal 1/12
Dad2: Normal 3/12
Sec21: Normal 5/10
Dad2: Normal 6/12
Om45: Normal 4/11
Sec21: Normal 2/10
Heh2: Normal 9/12
Rad52: Normal 6/12
Om45: Normal 7/11

0.0
2.5
5.0
7.5

Functional Enrichment

DNA-templated transcription, initiation

With AreaShape

Cluster

Marker:

Sec7: Normal 3/11
Sec21: Normal 1/10
Om45: Normal 9/11
Hta2: Normal 5/12
Dad2: Normal 10/12
Pil1: Normal 8/12
Nop10: Normal 1/12
Sec21: Normal 2/10
Rad52: Normal 0/12
Hta2: Normal 11/12
Hta2: Normal 1/12
Heh2: Normal 10/12
Hta2: Normal 4/12
Rad52: Normal 2/12
Rad52: Normal 11/12
Om45: Normal 5/11
Sec21: Normal 9/10
Heh2: Normal 8/12
Hta2: Normal 7/12
Heh2: Normal 5/12
Om45: Normal 2/11
Rad52: Normal 8/12
Sec21: Normal 8/10
Nop10: Normal 3/12
Pil1: Normal 5/12
Heh2: Normal 9/12
Rad52: Normal 5/12
Psr1: Normal 7/11
Om45: Normal 0/11
Hta2: Normal 9/12

0
5
10
15
20

Functional Enrichment

DNA-templated transcription, termination

With AreaShape

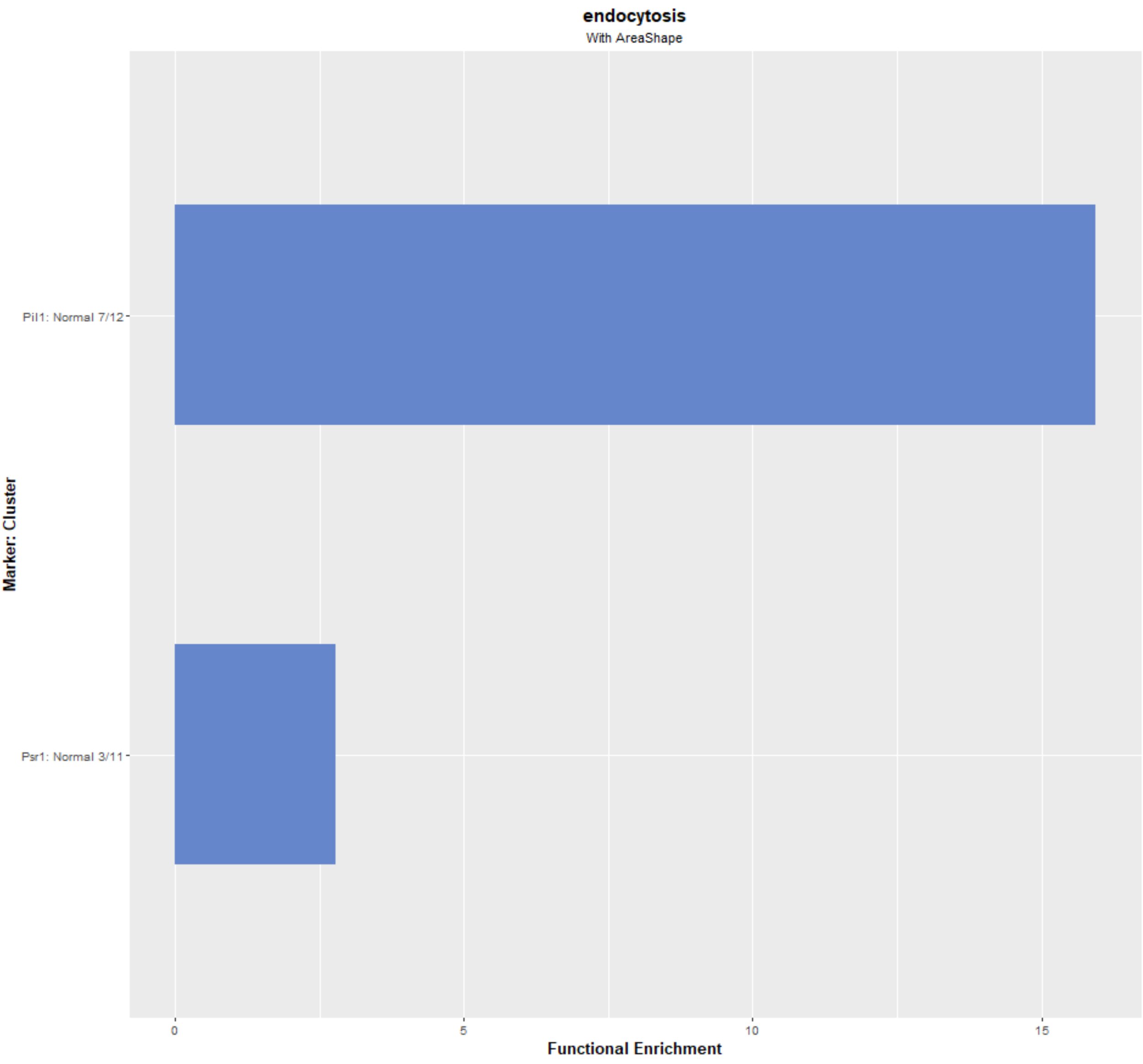
Cluster

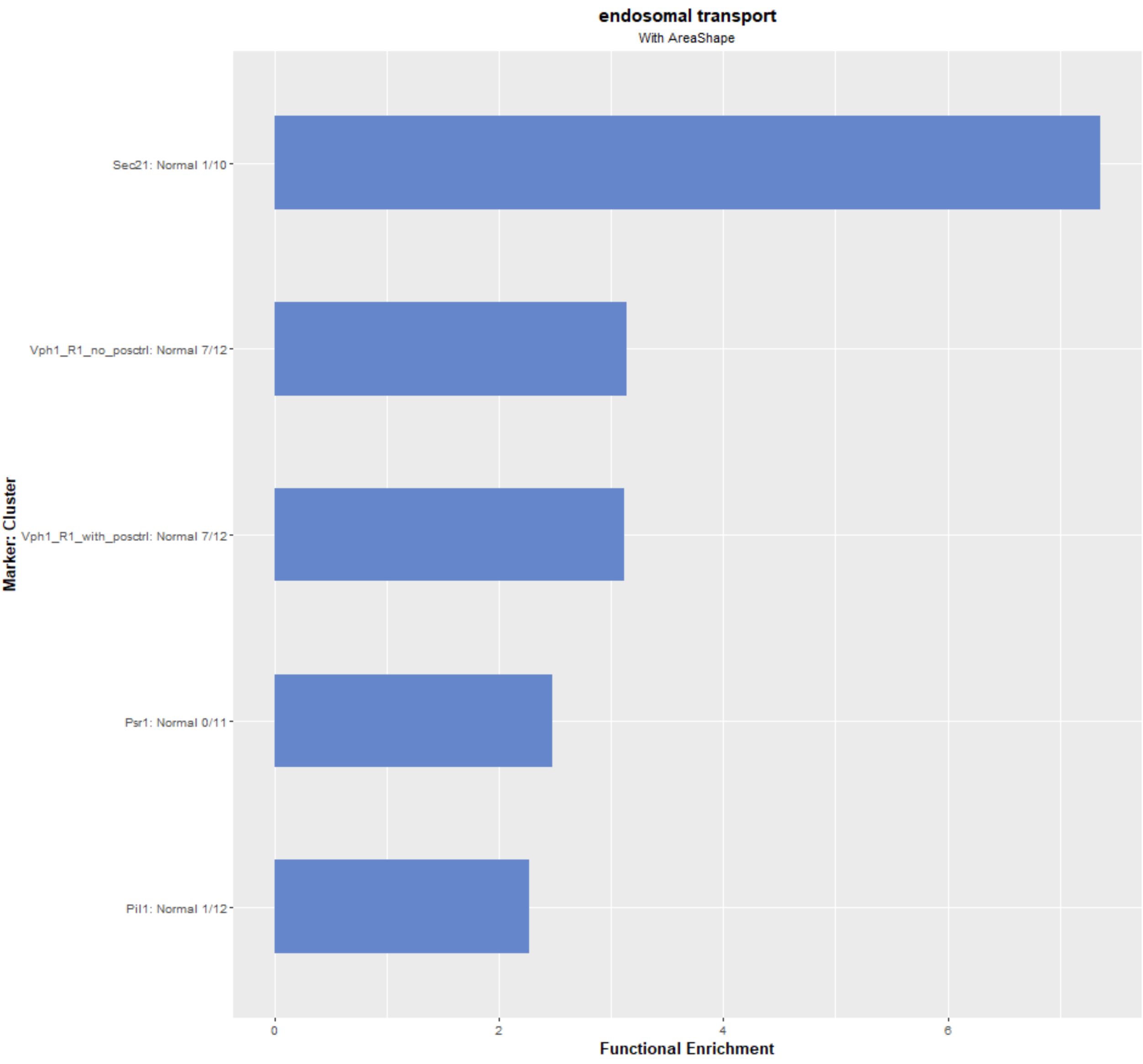
Marker:

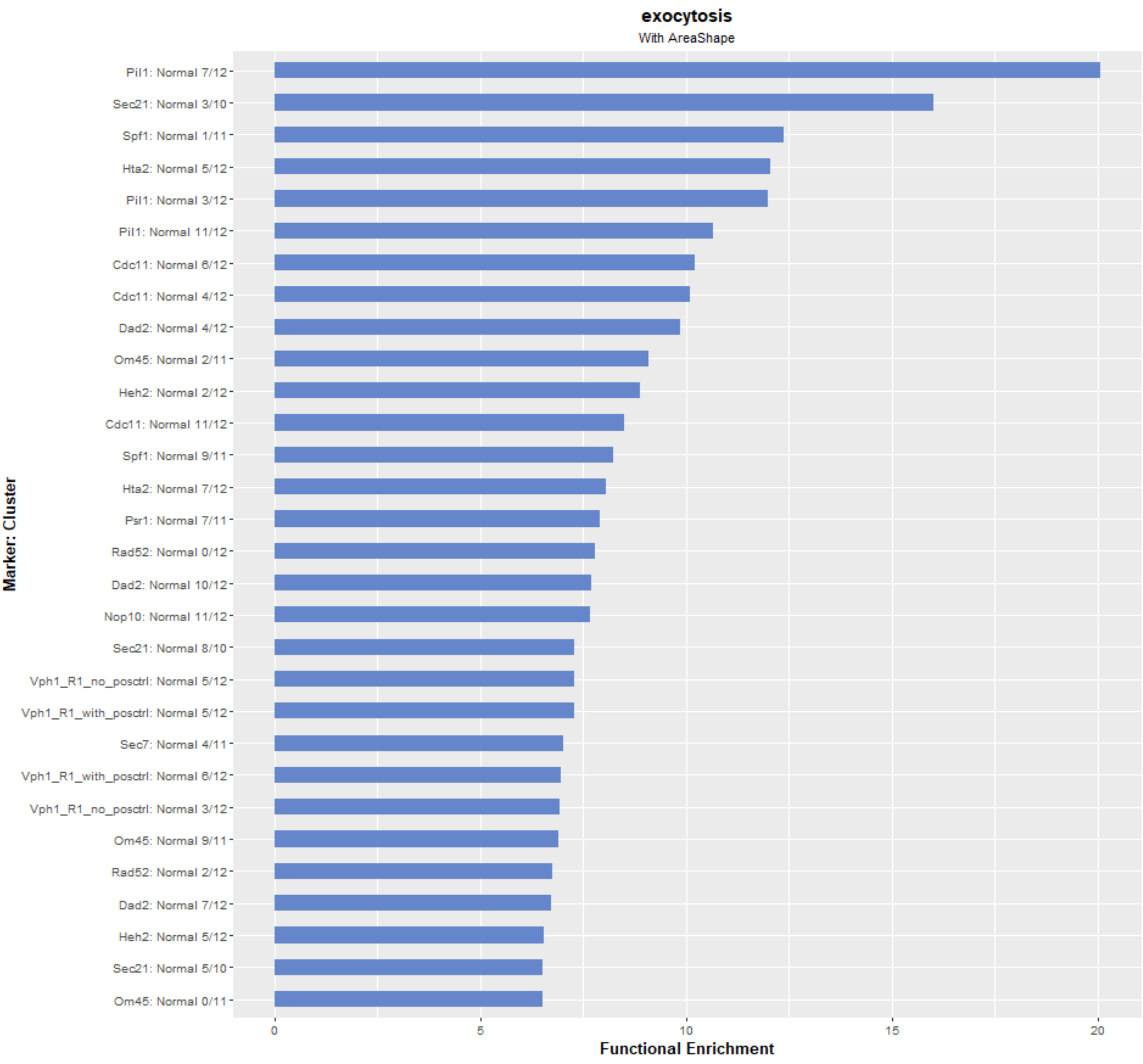
Hta2: Normal 6/12
Spf1: Normal 9/11
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Pil1: Normal 10/12
Heh2: Normal 7/12
Heh2: Normal 1/12
Vph1_R1_with_posctrl: Normal 6/12
Vph1_R1_no_posctrl: Normal 3/12
Heh2: Normal 6/12
Heh2: Normal 9/12
Om45: Normal 4/11
Vph1_R1_no_posctrl: Normal 4/12
Vph1_R1_with_posctrl: Normal 0/12
Vph1_R1_no_posctrl: Normal 0/12
Vph1_R1_with_posctrl: Normal 10/12
Pil1: Normal 6/12
Om45: Normal 7/11
Cdc11: Normal 10/12
Om45: Normal 3/11
Dad2: Normal 10/12
Om45: Normal 0/11
Nop10: Normal 1/12
Sec7: Normal 5/11
Heh2: Normal 8/12
Sec7: Normal 4/11
Pil1: Normal 8/12
Om45: Normal 6/11
Psr1: Normal 9/11
Rad52: Normal 10/12

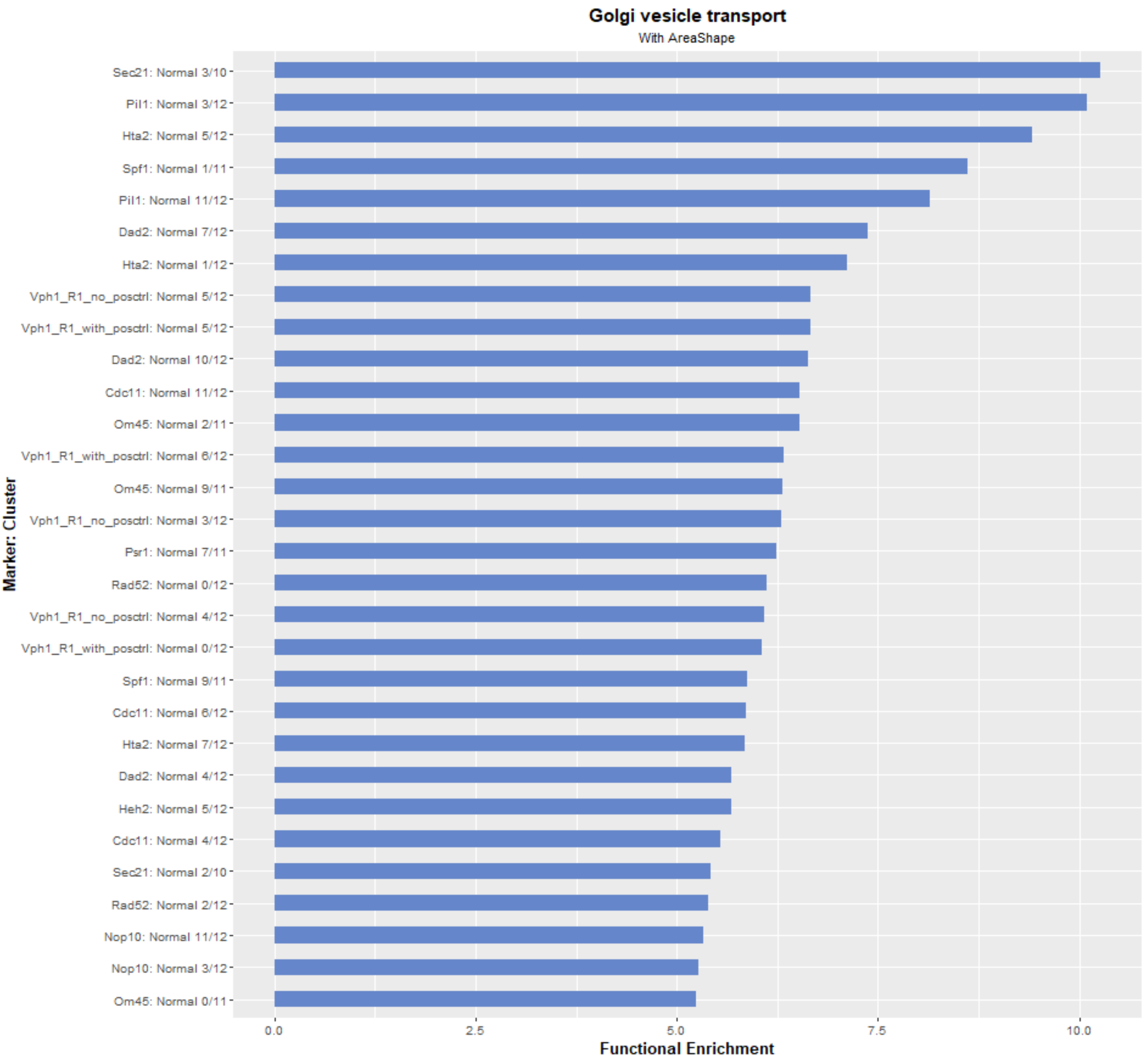
0
5
10
15

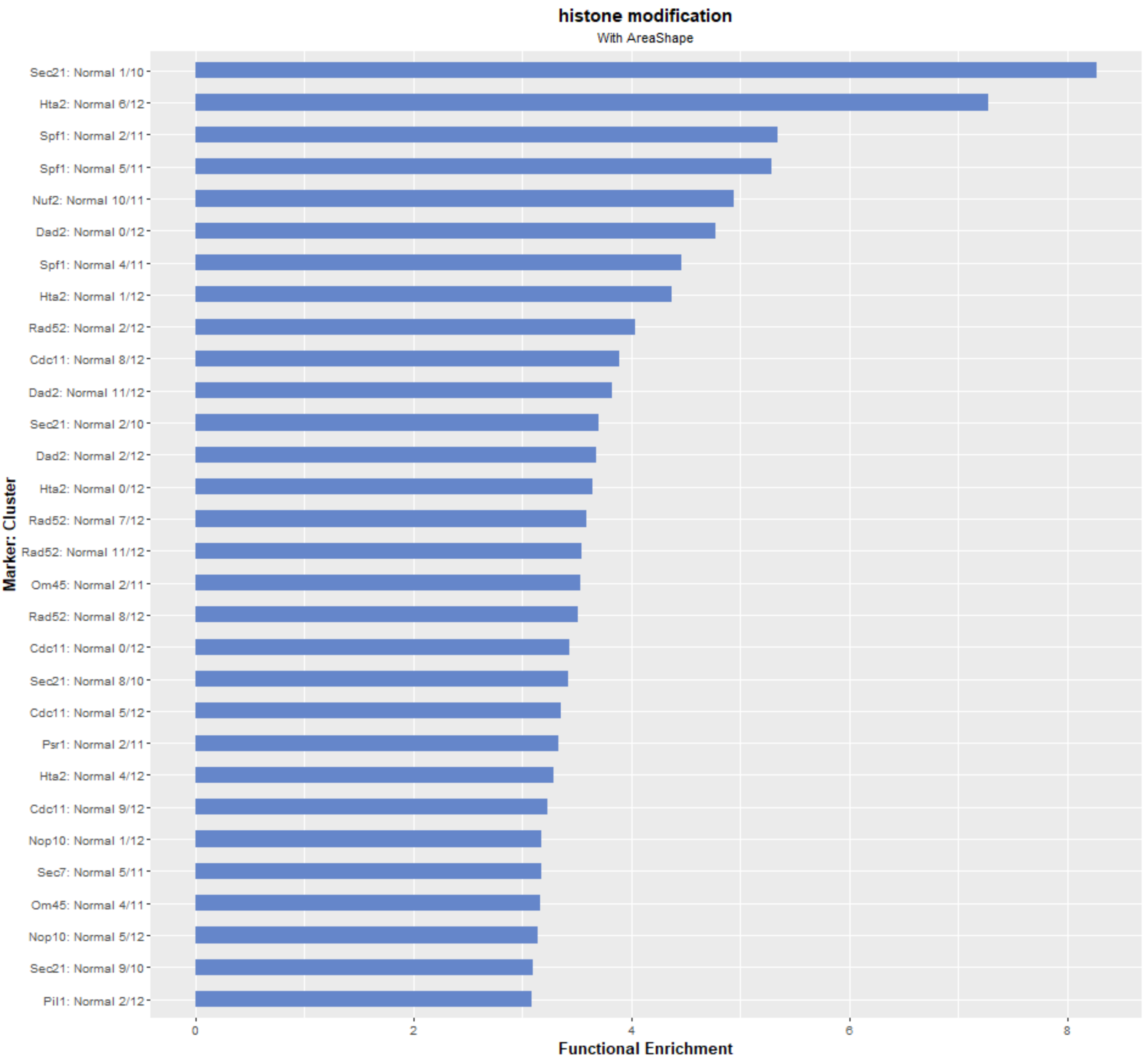
Functional Enrichment


endocytosis
With AreaShape
Pil1: Normal 7/12
Psr1: Normal 3/11
Cluster
Marker:
0
5
10
15
Functional Enrichment


endosomal transport
With AreaShape
Sec21: Normal 1/10
Vph1_R1_no_posctrl: Normal 7/12
Vph1_R1_with_posctrl: Normal 7/12
Psr1: Normal 0/11
Pil1: Normal 1/12
Marker: Cluster
0
2
4
6
Functional Enrichment


exocytosis
With AreaShape
Pil1: Normal 7/12
Sec21: Normal 3/10
Spf1: Normal 1/11
Hta2: Normal 5/12
Pil1: Normal 3/12
Pil1: Normal 11/12
Cdc11: Normal 6/12
Cdc11: Normal 4/12
Dad2: Normal 4/12
Om45: Normal 2/11
Heh2: Normal 2/12
Cdc11: Normal 11/12
Spf1: Normal 9/11
Hta2: Normal 7/12
Psr1: Normal 7/11
Rad52: Normal 0/12
Dad2: Normal 10/12
Nop10: Normal 11/12
Sec21: Normal 8/10
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Sec7: Normal 4/11
Vph1_R1_with_posctrl: Normal 6/12
Vph1_R1_no_posctrl: Normal 3/12
Om45: Normal 9/11
Rad52: Normal 2/12
Dad2: Normal 7/12
Heh2: Normal 5/12
Sec21: Normal 5/10
Om45: Normal 0/11
Cluster
Marker:
0
5
10
15
20
Functional Enrichment


Golgi vesicle transport
With AreaShape
Sec21: Normal 3/10
Pil1: Normal 3/12
Hta2: Normal 5/12
Spf1: Normal 1/11
Pil1: Normal 11/12
Dad2: Normal 7/12
Hta2: Normal 1/12
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Dad2: Normal 10/12
Cdc11: Normal 11/12
Om45: Normal 2/11
Vph1_R1_with_posctrl: Normal 6/12
Om45: Normal 9/11
Vph1_R1_no_posctrl: Normal 3/12
Psr1: Normal 7/11
Rad52: Normal 0/12
Vph1_R1_no_posctrl: Normal 4/12
Vph1_R1_with_posctrl: Normal 0/12
Spf1: Normal 9/11
Cdc11: Normal 6/12
Hta2: Normal 7/12
Dad2: Normal 4/12
Heh2: Normal 5/12
Cdc11: Normal 4/12
Sec21: Normal 2/10
Rad52: Normal 2/12
Nop10: Normal 11/12
Nop10: Normal 3/12
Om45: Normal 0/11
Cluster
Marker:
0.0
2.5
5.0
7.5
10.0
Functional Enrichment


histone modification
With AreaShape
Cluster
Marker:
Sec21: Normal 1/10
Hta2: Normal 6/12
Spf1: Normal 2/11
Spf1: Normal 5/11
Nuf2: Normal 10/11
Dad2: Normal 0/12
Spf1: Normal 4/11
Hta2: Normal 1/12
Rad52: Normal 2/12
Cdc11: Normal 8/12
Dad2: Normal 11/12
Sec21: Normal 2/10
Dad2: Normal 2/12
Hta2: Normal 0/12
Rad52: Normal 7/12
Rad52: Normal 11/12
Om45: Normal 2/11
Rad52: Normal 8/12
Cdc11: Normal 0/12
Sec21: Normal 8/10
Cdc11: Normal 5/12
Psr1: Normal 2/11
Hta2: Normal 4/12
Cdc11: Normal 9/12
Nop10: Normal 1/12
Sec7: Normal 5/11
Om45: Normal 4/11
Nop10: Normal 5/12
Sec21: Normal 9/10
Pil1: Normal 2/12
0
2
4
6
8
Functional Enrichment

invasive growth in response to glucose limitation

With AreaShape

Cluster

Spf1: Normal 5/11

Vph1_R1_no_posctrl: Normal 8/12

Vph1_R1_with_posctrl: Normal 2/12

Cdc11: Normal 9/12

Marker:

Vph1_R1_no_posctrl: Normal 7/12

Vph1_R1_with_posctrl: Normal 7/12

Psr1: Normal 0/11

Rad52: Normal 1/12

0

1

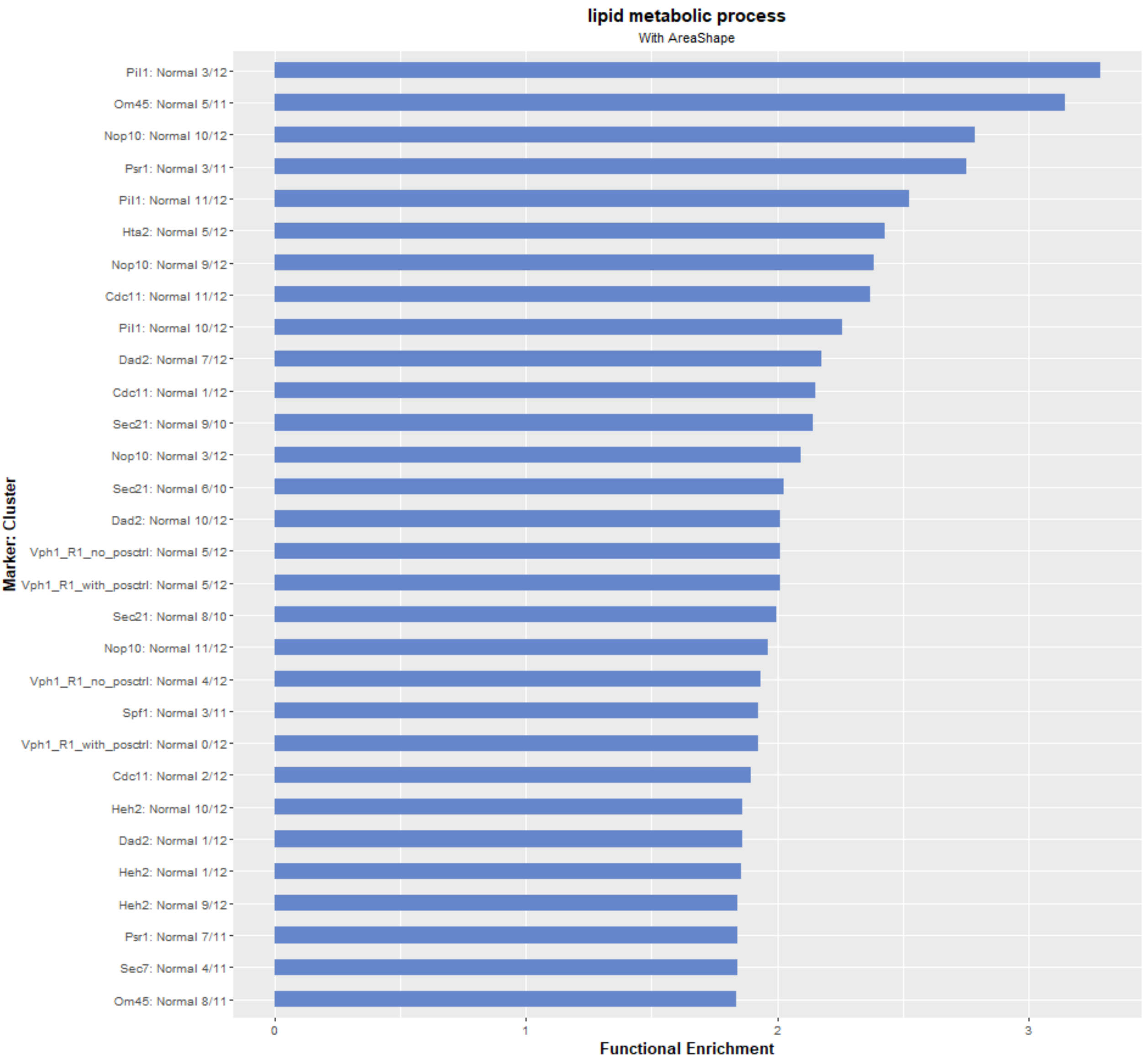
2

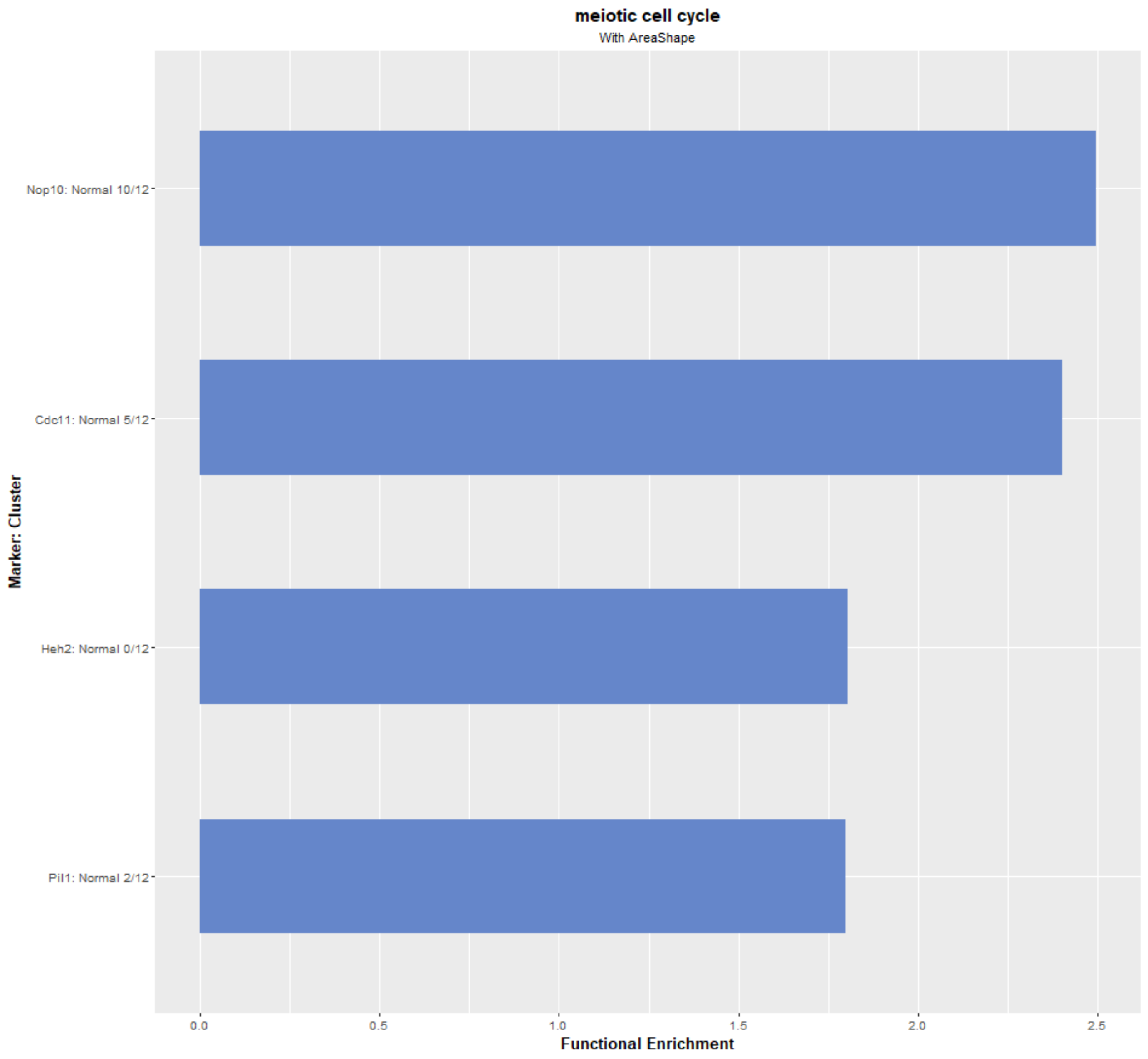
3

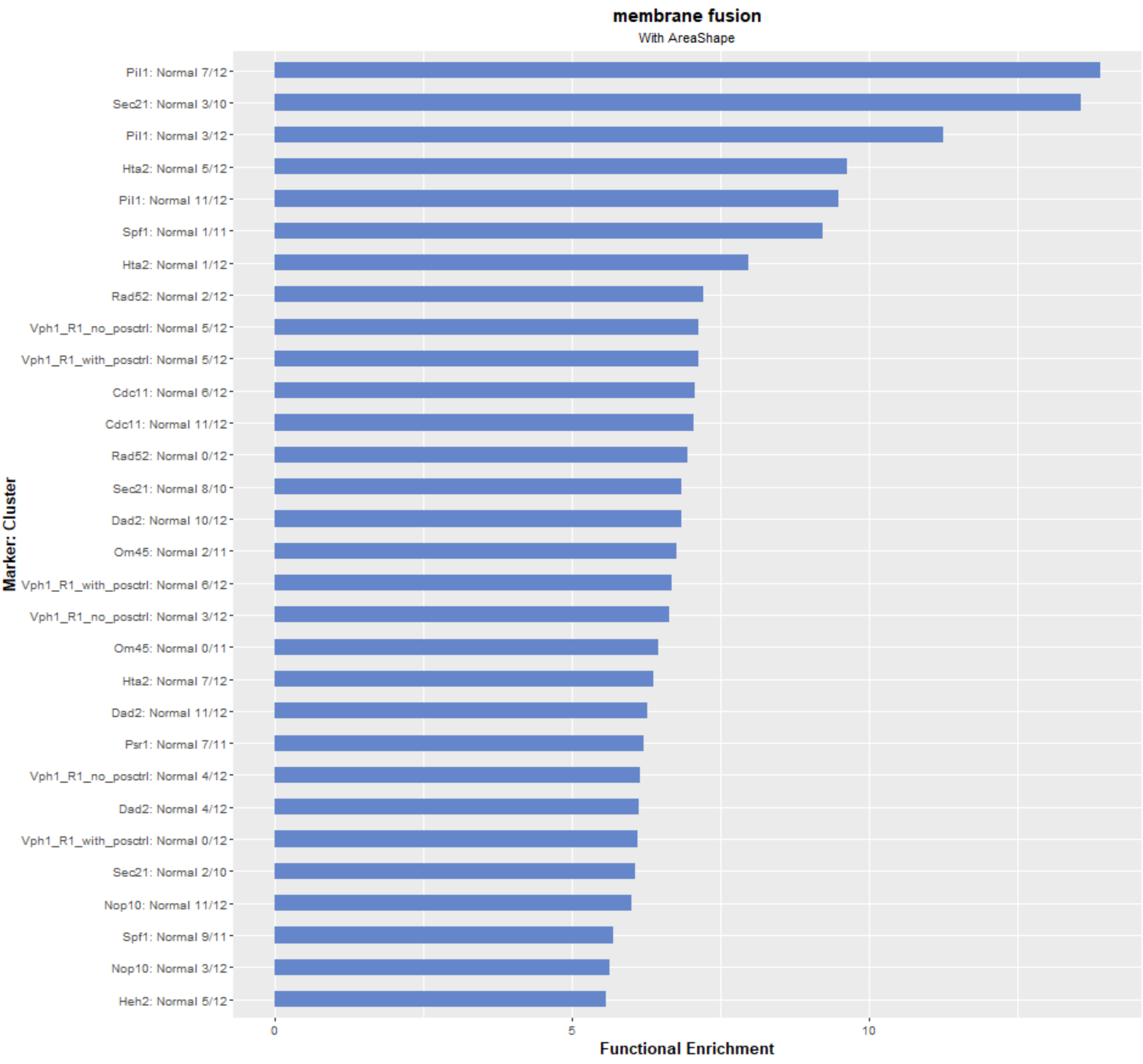
4

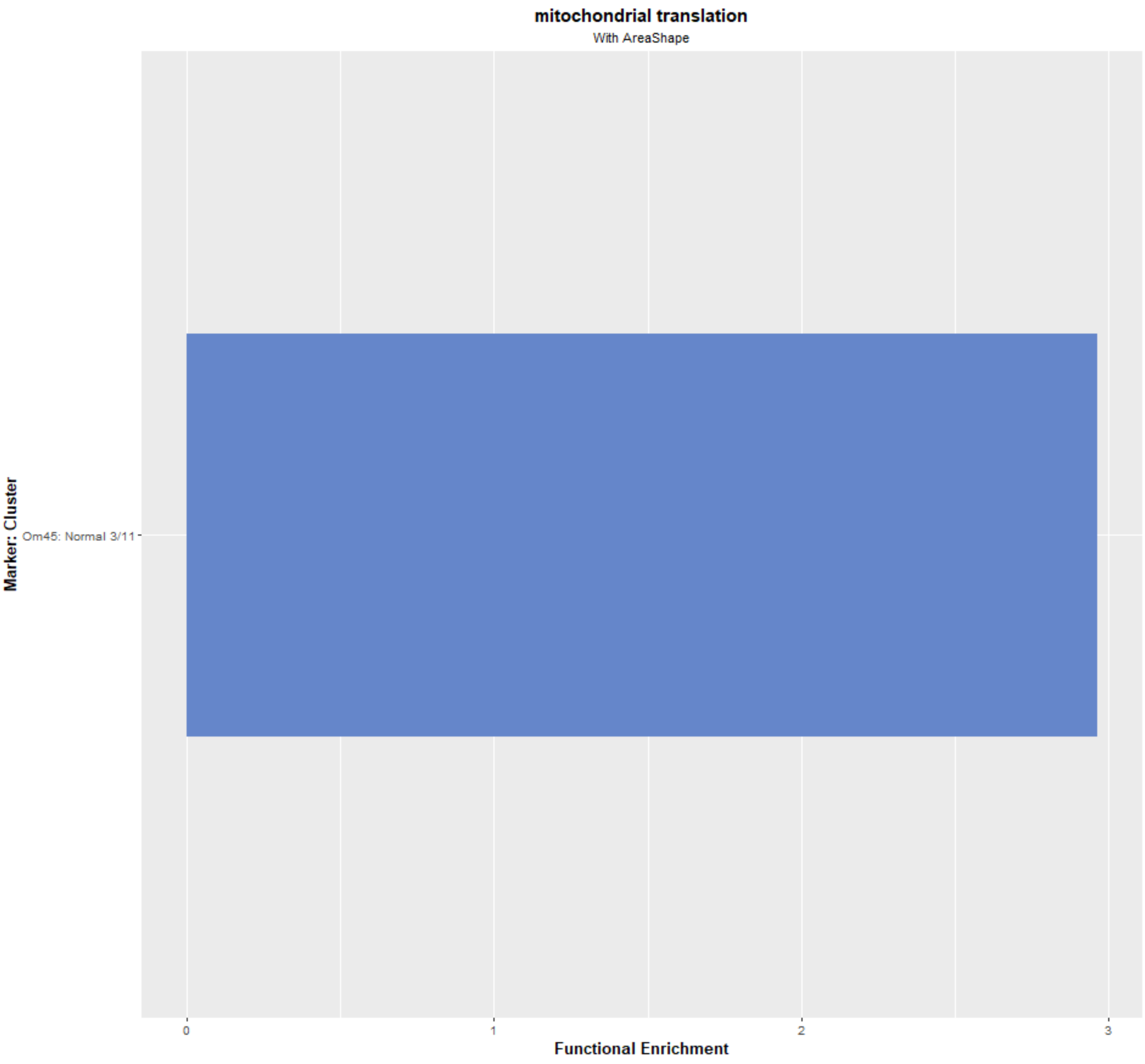
5

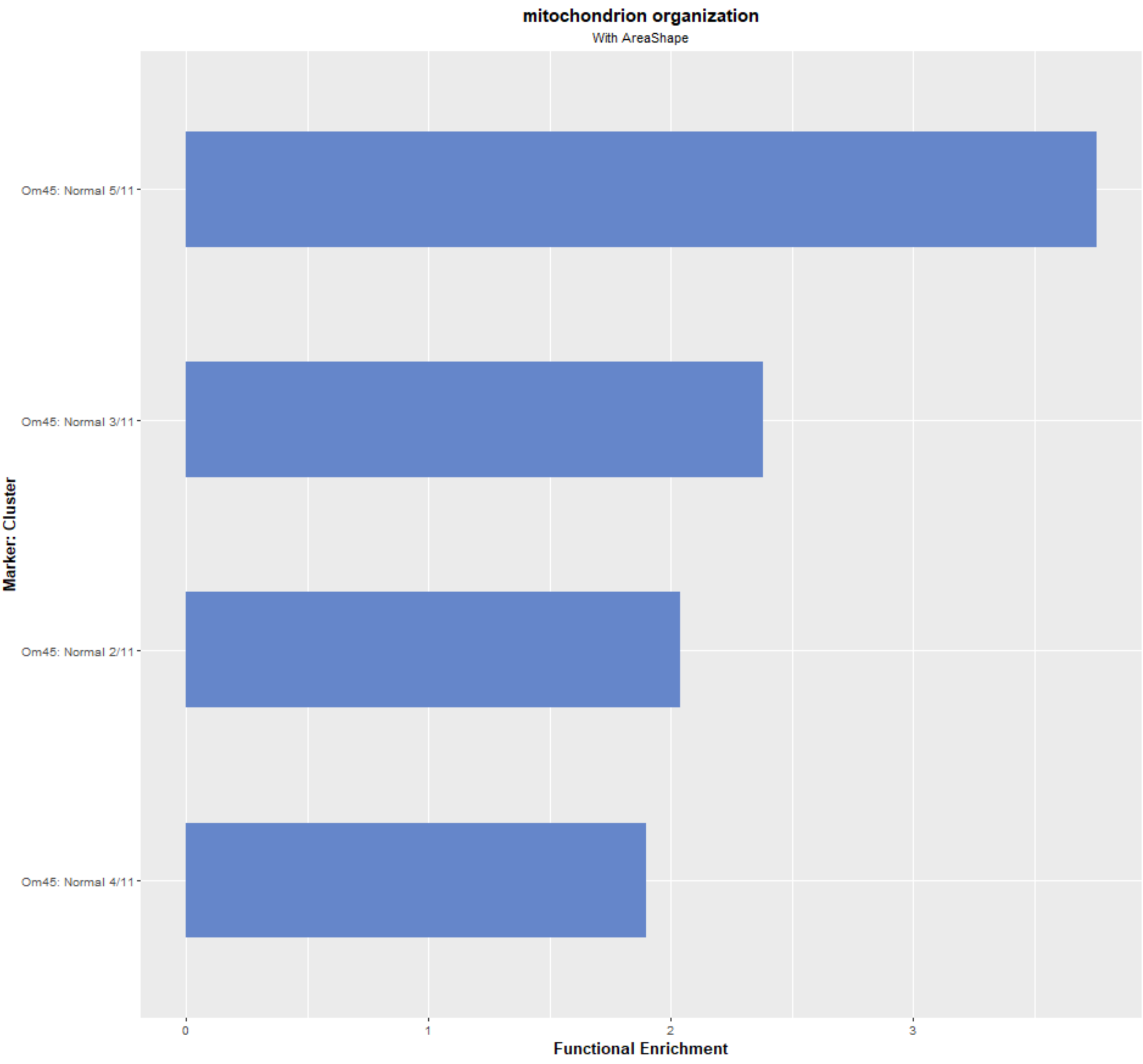
Functional Enrichment


lipid metabolic process
With AreaShape
Cluster
Marker:
Pil1: Normal 3/12
Om45: Normal 5/11
Nop10: Normal 10/12
Psr1: Normal 3/11
Pil1: Normal 11/12
Hta2: Normal 5/12
Nop10: Normal 9/12
Cdc11: Normal 11/12
Pil1: Normal 10/12
Dad2: Normal 7/12
Cdc11: Normal 1/12
Sec21: Normal 9/10
Nop10: Normal 3/12
Sec21: Normal 6/10
Dad2: Normal 10/12
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Sec21: Normal 8/10
Nop10: Normal 11/12
Vph1_R1_no_posctrl: Normal 4/12
Spf1: Normal 3/11
Vph1_R1_with_posctrl: Normal 0/12
Cdc11: Normal 2/12
Heh2: Normal 10/12
Dad2: Normal 1/12
Heh2: Normal 1/12
Heh2: Normal 9/12
Psr1: Normal 7/11
Sec7: Normal 4/11
Om45: Normal 8/11
0
1
2
3
Functional Enrichment


meiotic cell cycle
With AreaShape
Nop10: Normal 10/12
Cdc11: Normal 5/12
Heh2: Normal 0/12
Pil1: Normal 2/12
Cluster
Marker:
0.0
0.5
1.0
1.5
2.0
2.5
Functional Enrichment


membrane fusion
With AreaShape
Pil1: Normal 7/12
Sec21: Normal 3/10
Pil1: Normal 3/12
Hta2: Normal 5/12
Pil1: Normal 11/12
Spf1: Normal 1/11
Hta2: Normal 1/12
Rad52: Normal 2/12
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Cdc11: Normal 6/12
Cdc11: Normal 11/12
Rad52: Normal 0/12
Sec21: Normal 8/10
Dad2: Normal 10/12
Om45: Normal 2/11
Vph1_R1_with_posctrl: Normal 6/12
Vph1_R1_no_posctrl: Normal 3/12
Om45: Normal 0/11
Hta2: Normal 7/12
Dad2: Normal 11/12
Psr1: Normal 7/11
Vph1_R1_no_posctrl: Normal 4/12
Dad2: Normal 4/12
Vph1_R1_with_posctrl: Normal 0/12
Sec21: Normal 2/10
Nop10: Normal 11/12
Spf1: Normal 9/11
Nop10: Normal 3/12
Heh2: Normal 5/12
Cluster
Marker:
0
5
10
Functional Enrichment


mitochondrial translation
With AreaShape
Marker: Cluster
Om45: Normal 3/11
0
1
2
3
Functional Enrichment


mitochondrion organization
With AreaShape
Om45: Normal 5/11
Om45: Normal 3/11
Om45: Normal 2/11
Om45: Normal 4/11
Cluster
Marker:
0
1
2
3
Functional Enrichment

mitotic cell cycle

With AreaShape

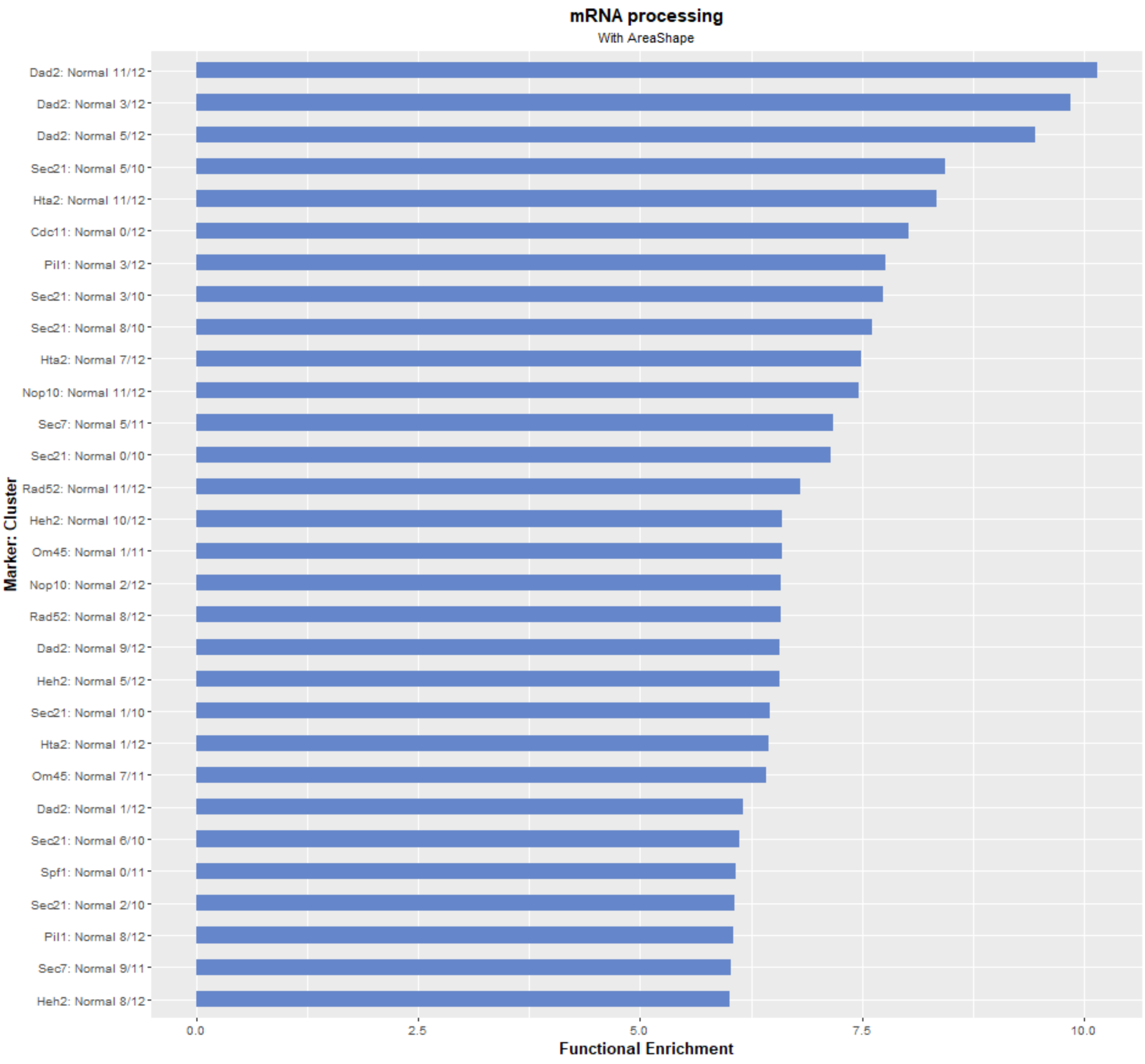
Cluster

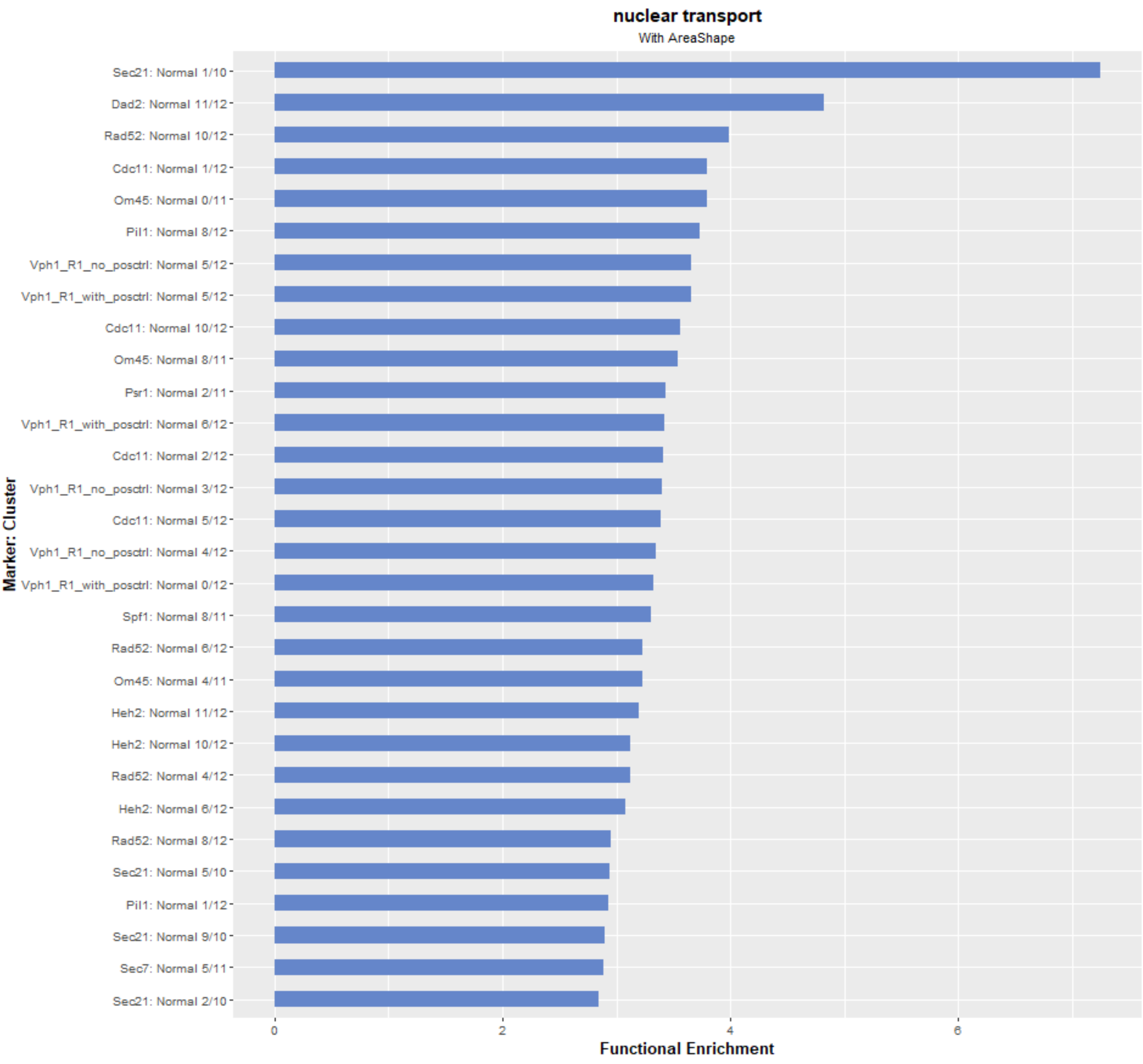
Marker:

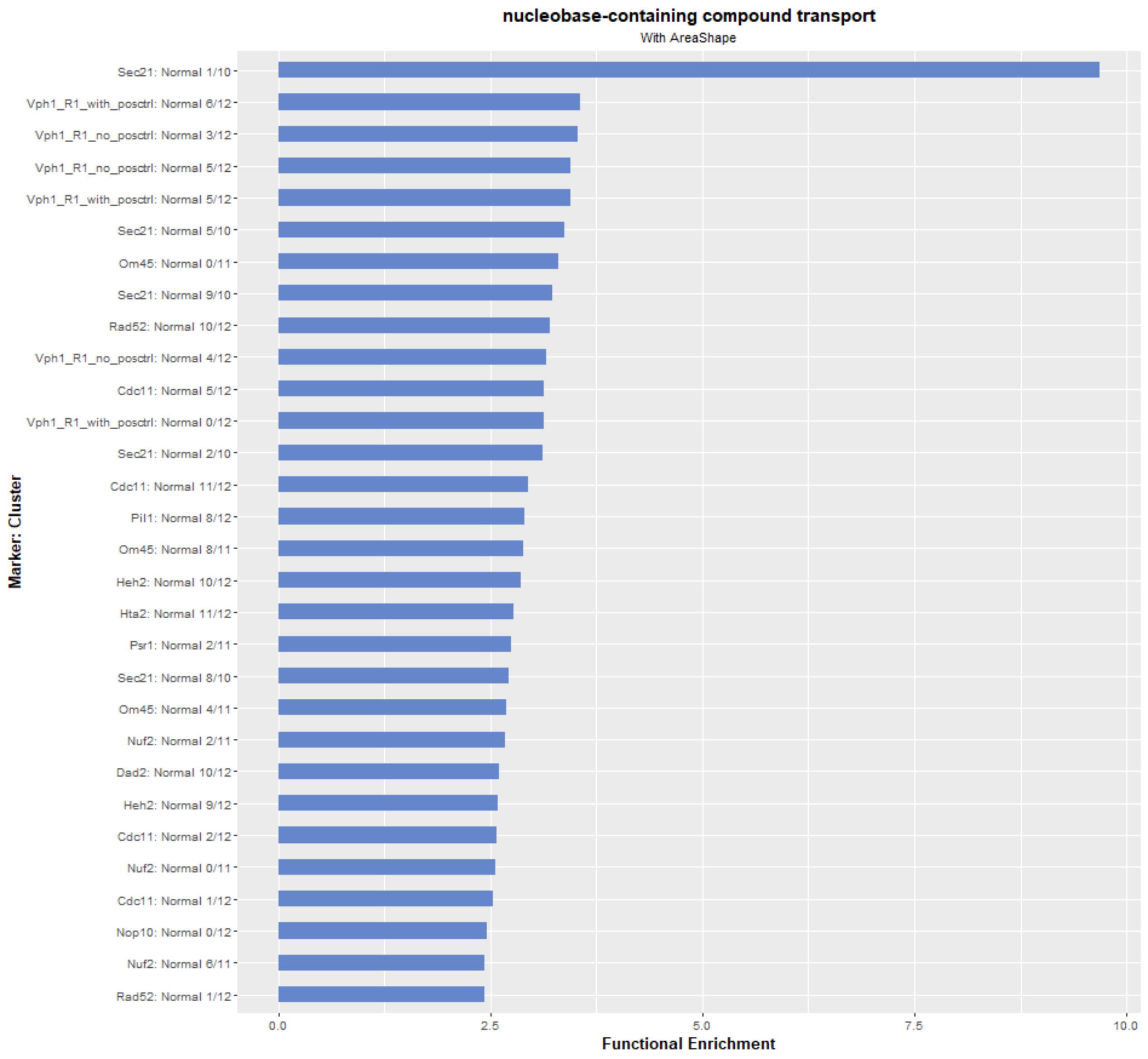
Nop10: Normal 6/12
Cdc11: Normal 5/12
Hta2: Normal 10/12
Om45: Normal 1/11
Nop10: Normal 10/12
Heh2: Normal 4/12
Pil1: Normal 5/12
Dad2: Normal 9/12
Sec7: Normal 5/11
Heh2: Normal 11/12
Dad2: Normal 6/12
Psr1: Normal 2/11
Om45: Normal 10/11
Cdc11: Normal 10/12
Om45: Normal 8/11
Rad52: Normal 8/12
Dad2: Normal 3/12
Cdc11: Normal 3/12
Hta2: Normal 0/12
Spf1: Normal 2/11
Hta2: Normal 9/12
Dad2: Normal 8/12
Pil1: Normal 8/12
Cdc11: Normal 4/12
Spf1: Normal 0/11
Nuf2: Normal 9/11
Cdc11: Normal 8/12
Sec7: Normal 7/11
Heh2: Normal 6/12
Sec21: Normal 9/10

0
2
4

Functional Enrichment


mRNA processing
With AreaShape
Dad2: Normal 11/12
Dad2: Normal 3/12
Dad2: Normal 5/12
Sec21: Normal 5/10
Hta2: Normal 11/12
Cdc11: Normal 0/12
Pil1: Normal 3/12
Sec21: Normal 3/10
Sec21: Normal 8/10
Hta2: Normal 7/12
Nop10: Normal 11/12
Sec7: Normal 5/11
Sec21: Normal 0/10
Rad52: Normal 11/12
Heh2: Normal 10/12
Om45: Normal 1/11
Nop10: Normal 2/12
Rad52: Normal 8/12
Dad2: Normal 9/12
Heh2: Normal 5/12
Sec21: Normal 1/10
Hta2: Normal 1/12
Om45: Normal 7/11
Dad2: Normal 1/12
Sec21: Normal 6/10
Spf1: Normal 0/11
Sec21: Normal 2/10
Pil1: Normal 8/12
Sec7: Normal 9/11
Heh2: Normal 8/12
Cluster
Marker:
0.0
2.5
5.0
7.5
10.0
Functional Enrichment


nuclear transport
With AreaShape
Sec21: Normal 1/10
Dad2: Normal 11/12
Rad52: Normal 10/12
Cdc11: Normal 1/12
Om45: Normal 0/11
Pil1: Normal 8/12
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Cdc11: Normal 10/12
Om45: Normal 8/11
Psr1: Normal 2/11
Vph1_R1_with_posctrl: Normal 6/12
Cdc11: Normal 2/12
Vph1_R1_no_posctrl: Normal 3/12
Cdc11: Normal 5/12
Vph1_R1_no_posctrl: Normal 4/12
Vph1_R1_with_posctrl: Normal 0/12
Spf1: Normal 8/11
Rad52: Normal 6/12
Om45: Normal 4/11
Heh2: Normal 11/12
Heh2: Normal 10/12
Rad52: Normal 4/12
Heh2: Normal 6/12
Rad52: Normal 8/12
Sec21: Normal 5/10
Pil1: Normal 1/12
Sec21: Normal 9/10
Sec7: Normal 5/11
Sec21: Normal 2/10
Cluster
Marker:
0
2
4
6
Functional Enrichment


nucleobase-containing compound transport
With AreaShape
Sec21: Normal 1/10
Vph1_R1_with_posctrl: Normal 6/12
Vph1_R1_no_posctrl: Normal 3/12
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Sec21: Normal 5/10
Om45: Normal 0/11
Sec21: Normal 9/10
Rad52: Normal 10/12
Vph1_R1_no_posctrl: Normal 4/12
Cdc11: Normal 5/12
Vph1_R1_with_posctrl: Normal 0/12
Sec21: Normal 2/10
Cdc11: Normal 11/12
Pil1: Normal 8/12
Om45: Normal 8/11
Heh2: Normal 10/12
Hta2: Normal 11/12
Psr1: Normal 2/11
Sec21: Normal 8/10
Om45: Normal 4/11
Nuf2: Normal 2/11
Dad2: Normal 10/12
Heh2: Normal 9/12
Cdc11: Normal 2/12
Nuf2: Normal 0/11
Cdc11: Normal 1/12
Nop10: Normal 0/12
Nuf2: Normal 6/11
Rad52: Normal 1/12
Cluster
Marker:
0.0
2.5
5.0
7.5
10.0
Functional Enrichment

nucleus organization

With AreaShape

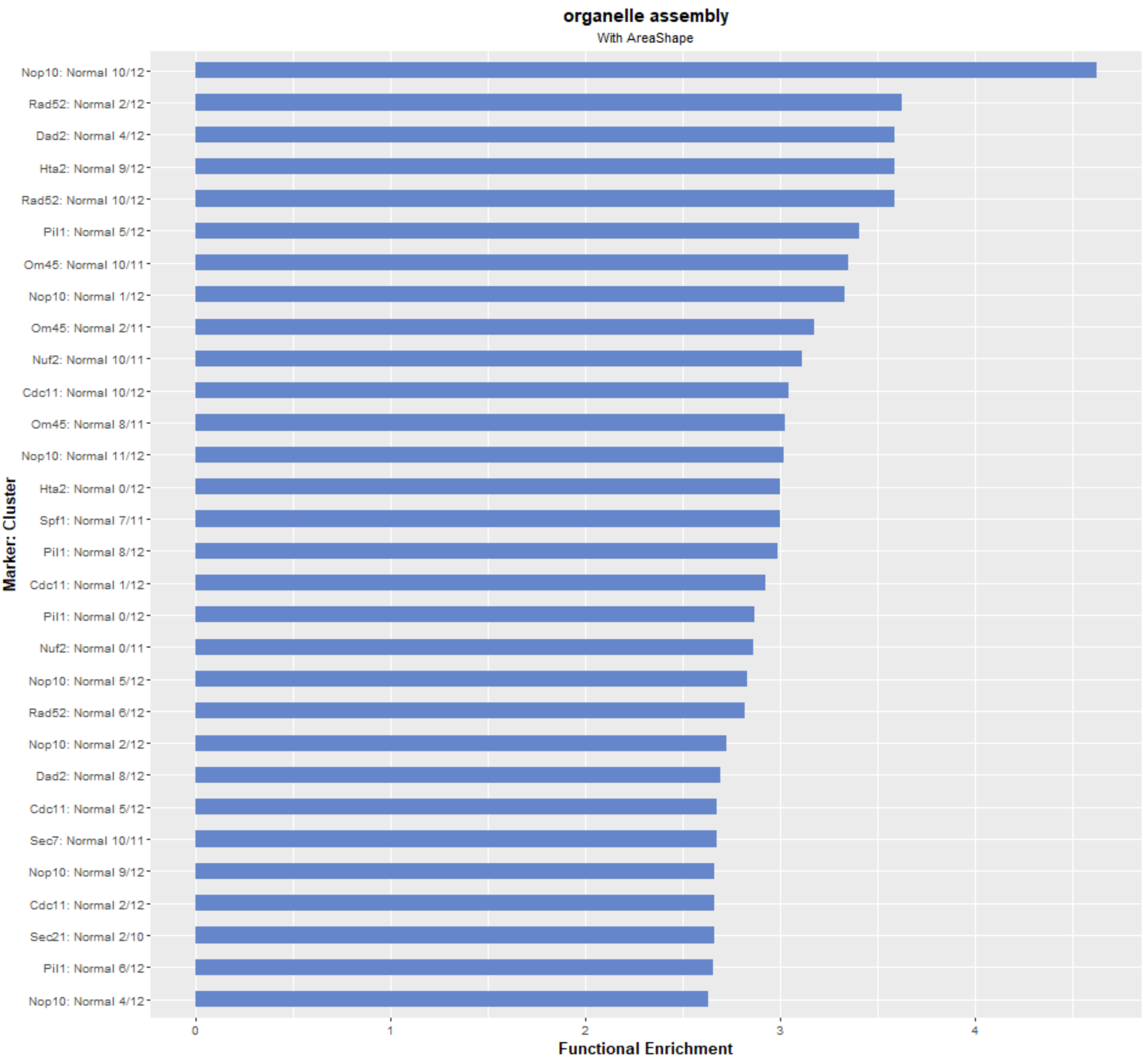
Cluster

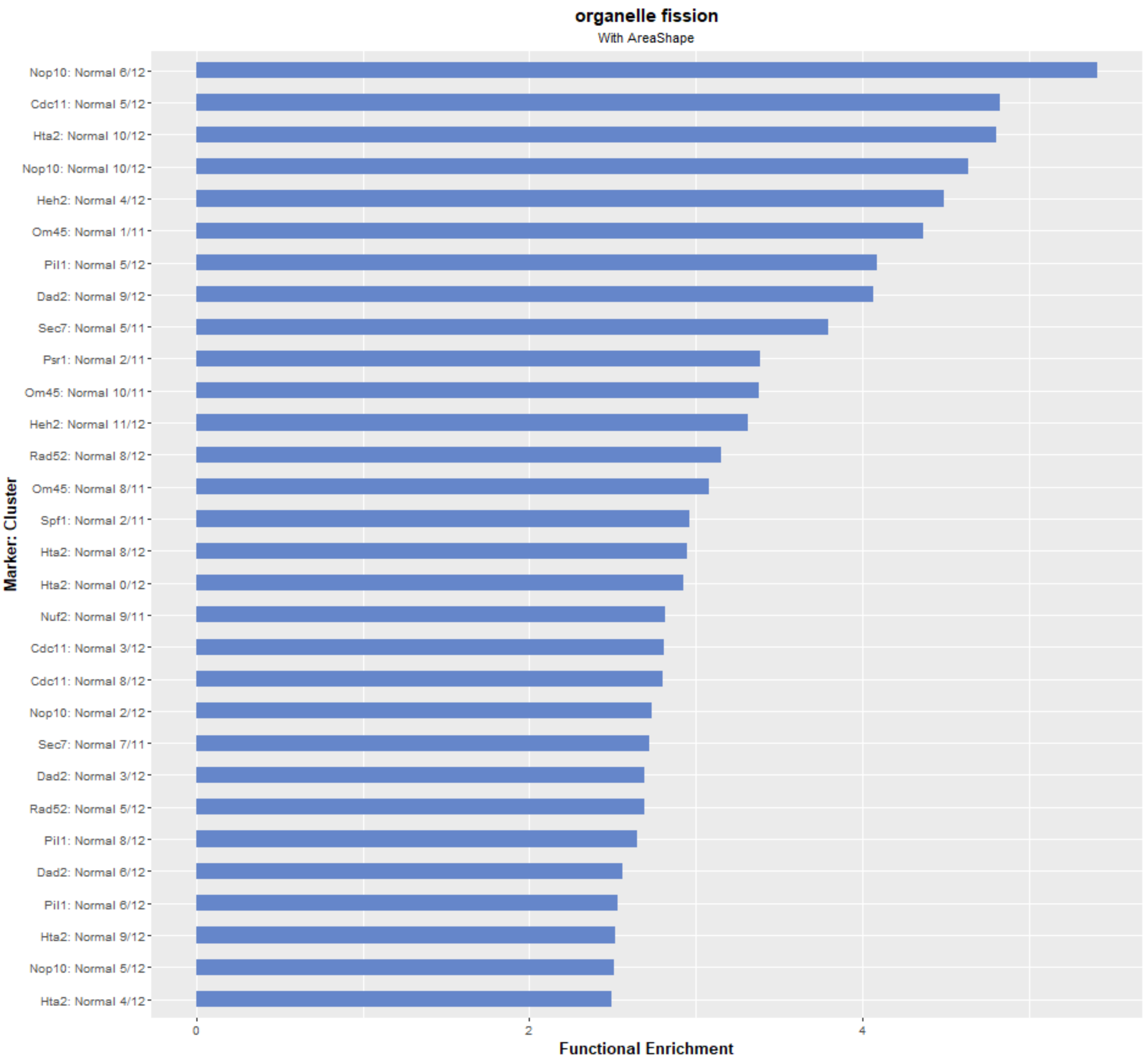
Marker:

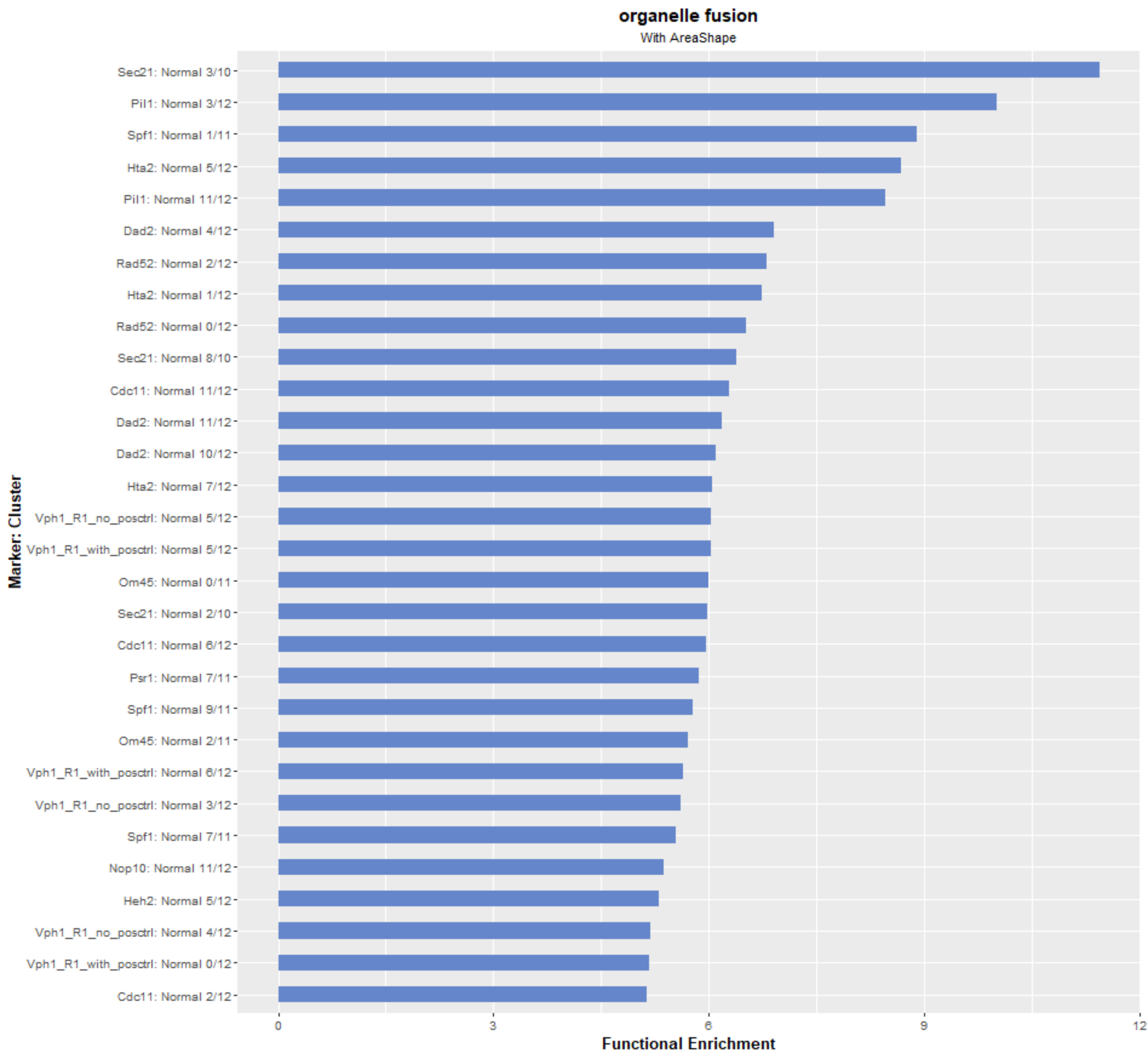
Rad52: Normal 8/12
Om45: Normal 8/11
Dad2: Normal 9/12
Dad2: Normal 4/12
Cdc11: Normal 5/12
Sec7: Normal 5/11
Rad52: Normal 10/12
Dad2: Normal 3/12
Spf1: Normal 3/11
Cdc11: Normal 8/12
Sec21: Normal 2/10
Rad52: Normal 6/12
Spf1: Normal 8/11
Vph1_R1_no_posctrl: Normal 4/12
Vph1_R1_with_posctrl: Normal 0/12
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 6/12
Vph1_R1_no_posctrl: Normal 3/12
Pil1: Normal 10/12
Spf1: Normal 0/11
Om45: Normal 1/11
Hta2: Normal 7/12
Spf1: Normal 7/11
Om45: Normal 0/11
Sec21: Normal 5/10
Rad52: Normal 4/12
Sec21: Normal 9/10
Om45: Normal 7/11
Cdc11: Normal 10/12

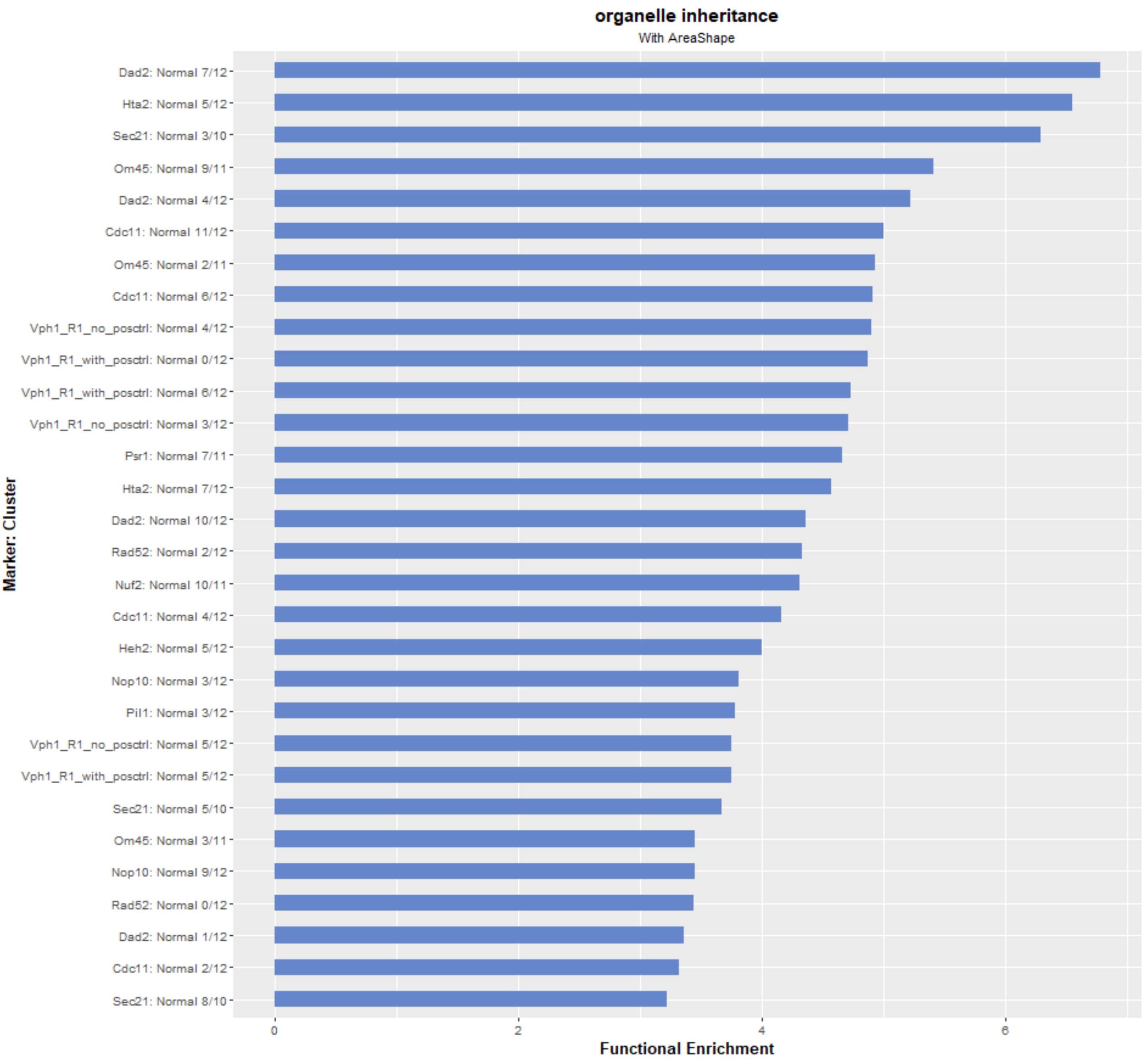
0
2
4

Functional Enrichment


organelle assembly
With AreaShape
Nop10: Normal 10/12
Rad52: Normal 2/12
Dad2: Normal 4/12
Hta2: Normal 9/12
Rad52: Normal 10/12
Pil1: Normal 5/12
Om45: Normal 10/11
Nop10: Normal 1/12
Om45: Normal 2/11
Nuf2: Normal 10/11
Cdc11: Normal 10/12
Om45: Normal 8/11
Nop10: Normal 11/12
Hta2: Normal 0/12
Spf1: Normal 7/11
Pil1: Normal 8/12
Cdc11: Normal 1/12
Pil1: Normal 0/12
Nuf2: Normal 0/11
Nop10: Normal 5/12
Rad52: Normal 6/12
Nop10: Normal 2/12
Dad2: Normal 8/12
Cdc11: Normal 5/12
Sec7: Normal 10/11
Nop10: Normal 9/12
Cdc11: Normal 2/12
Sec21: Normal 2/10
Pil1: Normal 6/12
Nop10: Normal 4/12
Cluster
Marker:
0
1
2
3
4
Functional Enrichment


organelle fission
With AreaShape
Nop10: Normal 6/12
Cdc11: Normal 5/12
Hta2: Normal 10/12
Nop10: Normal 10/12
Heh2: Normal 4/12
Om45: Normal 1/11
Pil1: Normal 5/12
Dad2: Normal 9/12
Sec7: Normal 5/11
Psr1: Normal 2/11
Om45: Normal 10/11
Heh2: Normal 11/12
Rad52: Normal 8/12
Om45: Normal 8/11
Spf1: Normal 2/11
Hta2: Normal 8/12
Hta2: Normal 0/12
Nuf2: Normal 9/11
Cdc11: Normal 3/12
Cdc11: Normal 8/12
Nop10: Normal 2/12
Sec7: Normal 7/11
Dad2: Normal 3/12
Rad52: Normal 5/12
Pil1: Normal 8/12
Dad2: Normal 6/12
Pil1: Normal 6/12
Hta2: Normal 9/12
Nop10: Normal 5/12
Hta2: Normal 4/12
Cluster
Marker:
0
2
4
Functional Enrichment


organelle fusion
With AreaShape
Cluster
Marker:
Sec21: Normal 3/10
Pil1: Normal 3/12
Spf1: Normal 1/11
Hta2: Normal 5/12
Pil1: Normal 11/12
Dad2: Normal 4/12
Rad52: Normal 2/12
Hta2: Normal 1/12
Rad52: Normal 0/12
Sec21: Normal 8/10
Cdc11: Normal 11/12
Dad2: Normal 11/12
Dad2: Normal 10/12
Hta2: Normal 7/12
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Om45: Normal 0/11
Sec21: Normal 2/10
Cdc11: Normal 6/12
Psr1: Normal 7/11
Spf1: Normal 9/11
Om45: Normal 2/11
Vph1_R1_with_posctrl: Normal 6/12
Vph1_R1_no_posctrl: Normal 3/12
Spf1: Normal 7/11
Nop10: Normal 11/12
Heh2: Normal 5/12
Vph1_R1_no_posctrl: Normal 4/12
Vph1_R1_with_posctrl: Normal 0/12
Cdc11: Normal 2/12
0
3
6
9
12
Functional Enrichment


organelle inheritance
With AreaShape
Cluster
Marker:
Dad2: Normal 7/12
Hta2: Normal 5/12
Sec21: Normal 3/10
Om45: Normal 9/11
Dad2: Normal 4/12
Cdc11: Normal 11/12
Om45: Normal 2/11
Cdc11: Normal 6/12
Vph1_R1_no_posctrl: Normal 4/12
Vph1_R1_with_posctrl: Normal 0/12
Vph1_R1_with_posctrl: Normal 6/12
Vph1_R1_no_posctrl: Normal 3/12
Psr1: Normal 7/11
Hta2: Normal 7/12
Dad2: Normal 10/12
Rad52: Normal 2/12
Nuf2: Normal 10/11
Cdc11: Normal 4/12
Heh2: Normal 5/12
Nop10: Normal 3/12
Pil1: Normal 3/12
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Sec21: Normal 5/10
Om45: Normal 3/11
Nop10: Normal 9/12
Rad52: Normal 0/12
Dad2: Normal 1/12
Cdc11: Normal 2/12
Sec21: Normal 8/10
0
2
4
6
Functional Enrichment

peptidyl-amino acid modification

With AreaShape

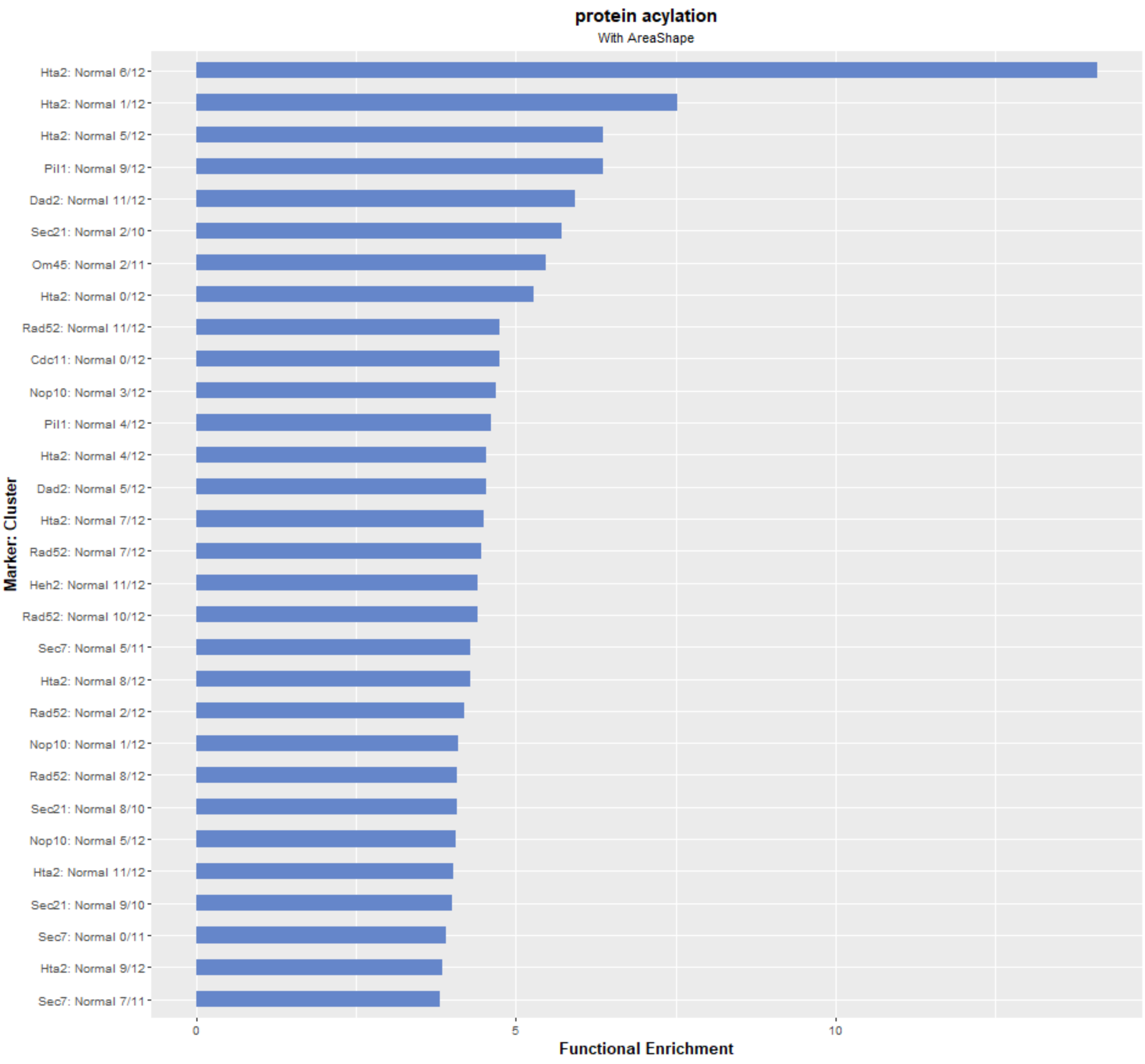
Cluster

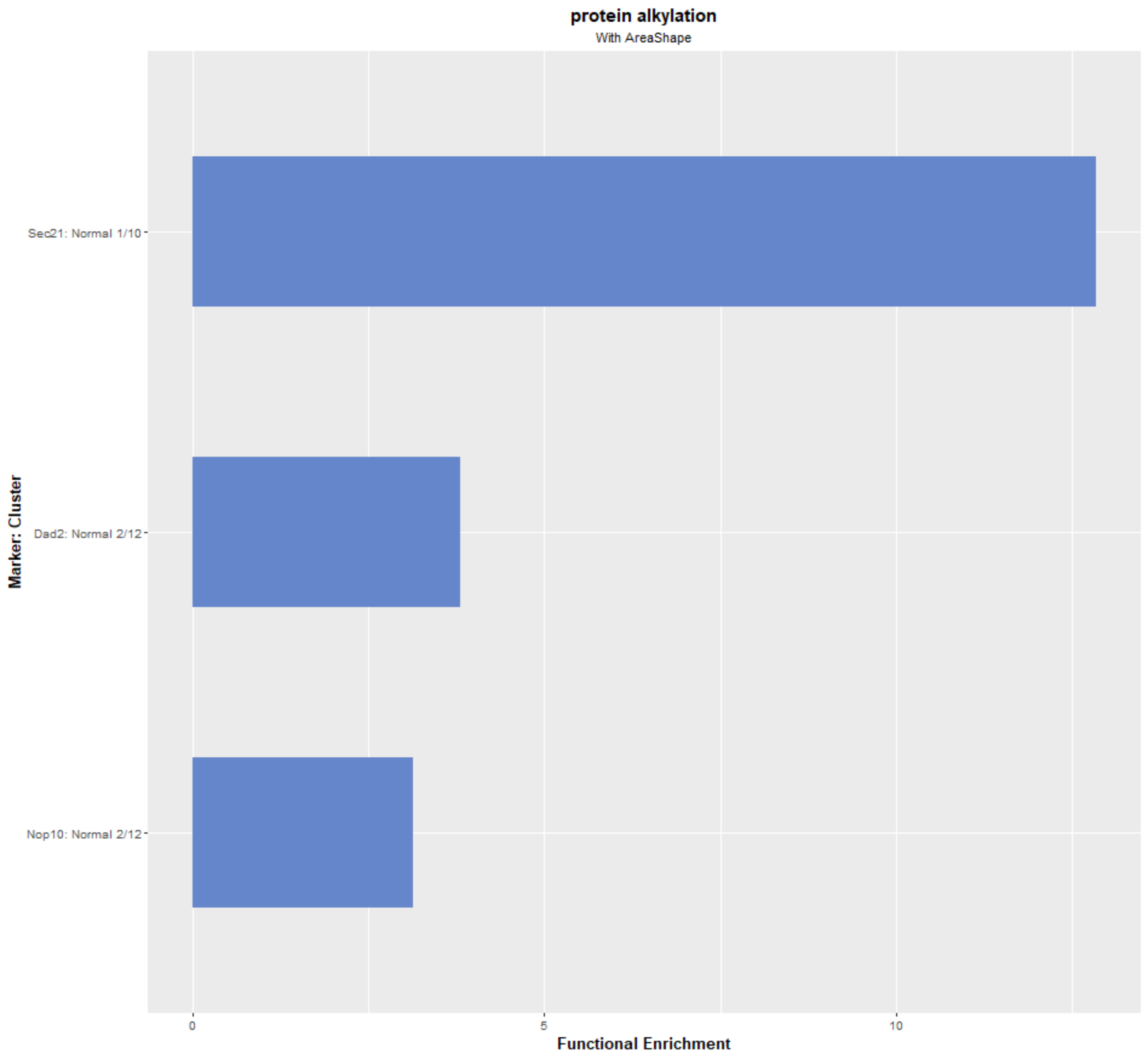
Marker:

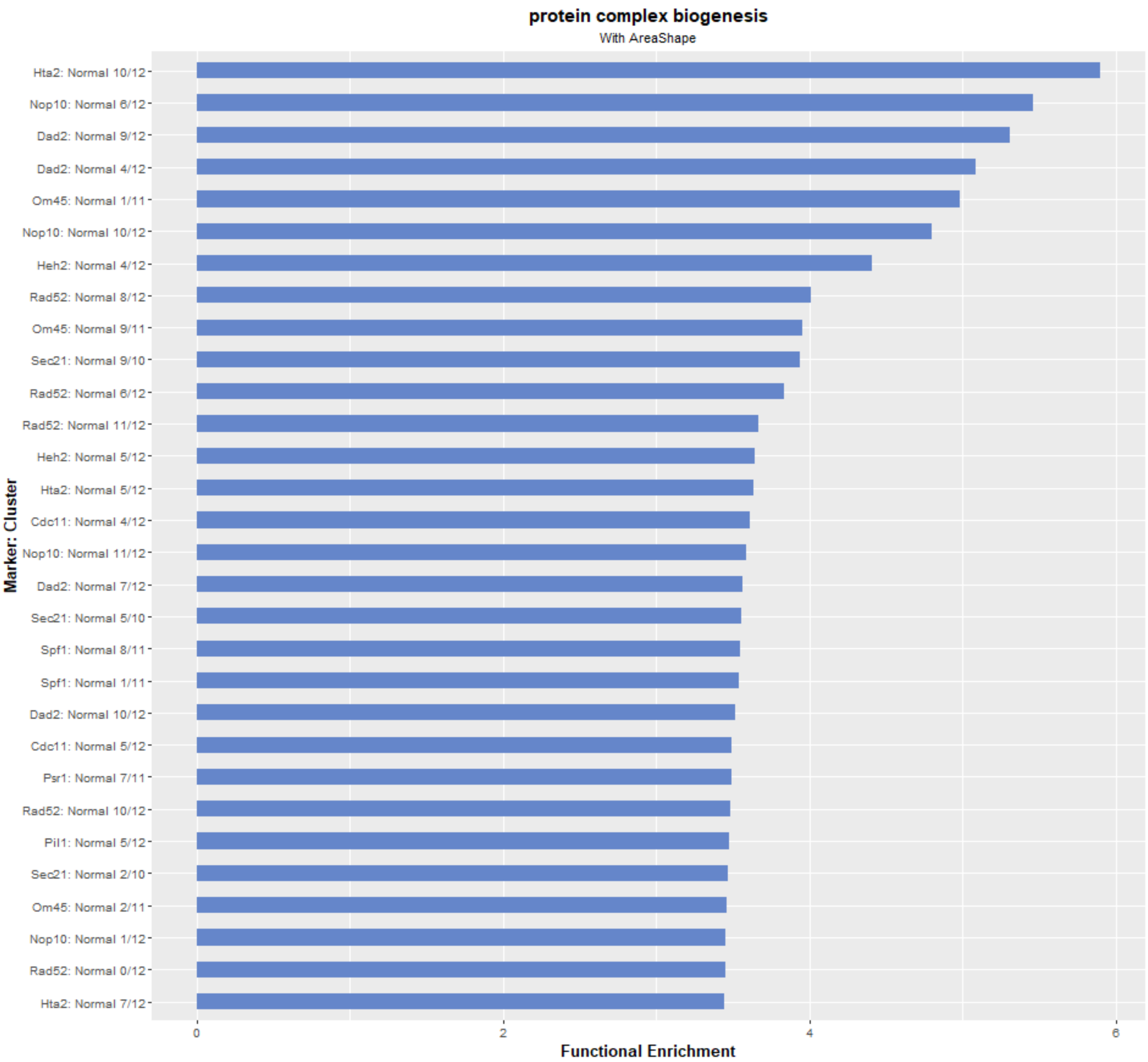
Hta2: Normal 6/12
Nop10: Normal 10/12
Sec21: Normal 2/10
Hta2: Normal 2/12
Sec21: Normal 9/10
Sec7: Normal 5/11
Cdc11: Normal 5/12
Hta2: Normal 1/12
Psr1: Normal 2/11
Pil1: Normal 5/12
Cdc11: Normal 10/12
Heh2: Normal 4/12
Hta2: Normal 9/12
Sec7: Normal 7/11
Om45: Normal 8/11
Sec21: Normal 6/10
Cdc11: Normal 8/12
Nop10: Normal 3/12
Rad52: Normal 8/12
Sec7: Normal 2/11
Cdc11: Normal 1/12
Nuf2: Normal 0/11
Pil1: Normal 8/12
Hta2: Normal 4/12
Hta2: Normal 5/12
Heh2: Normal 6/12
Sec21: Normal 8/10
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Hta2: Normal 0/12

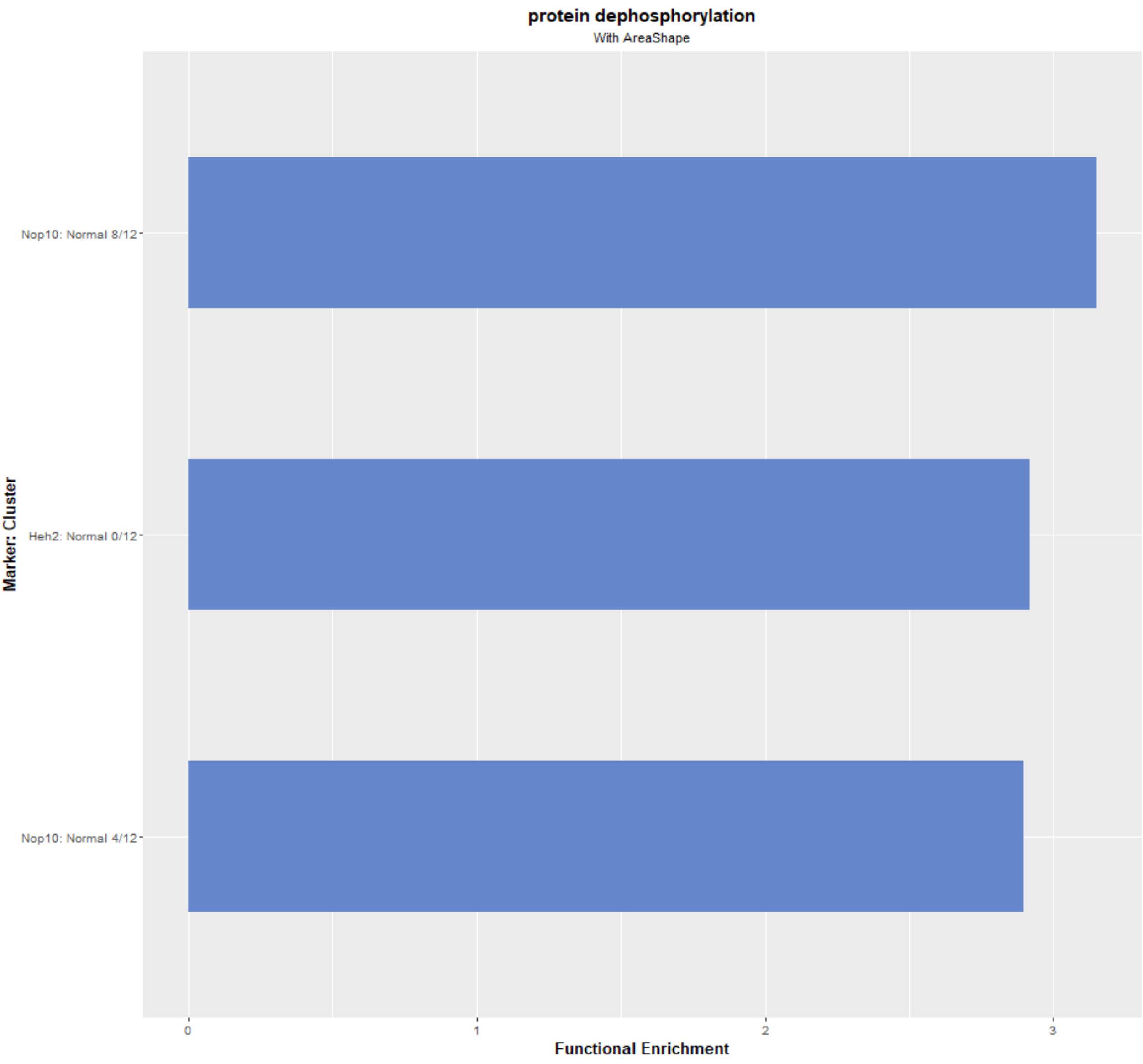
0
2
4
6

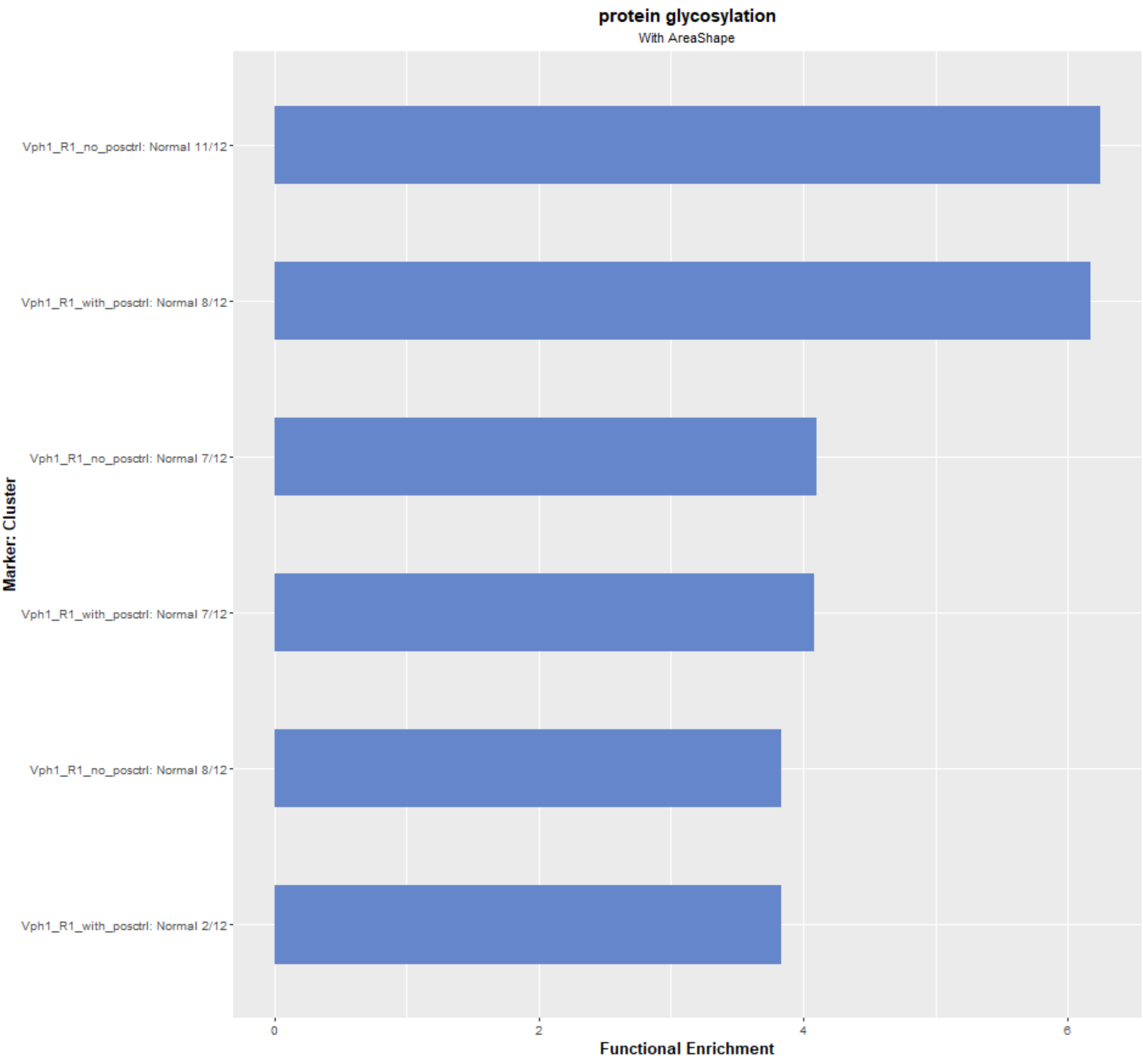
Functional Enrichment

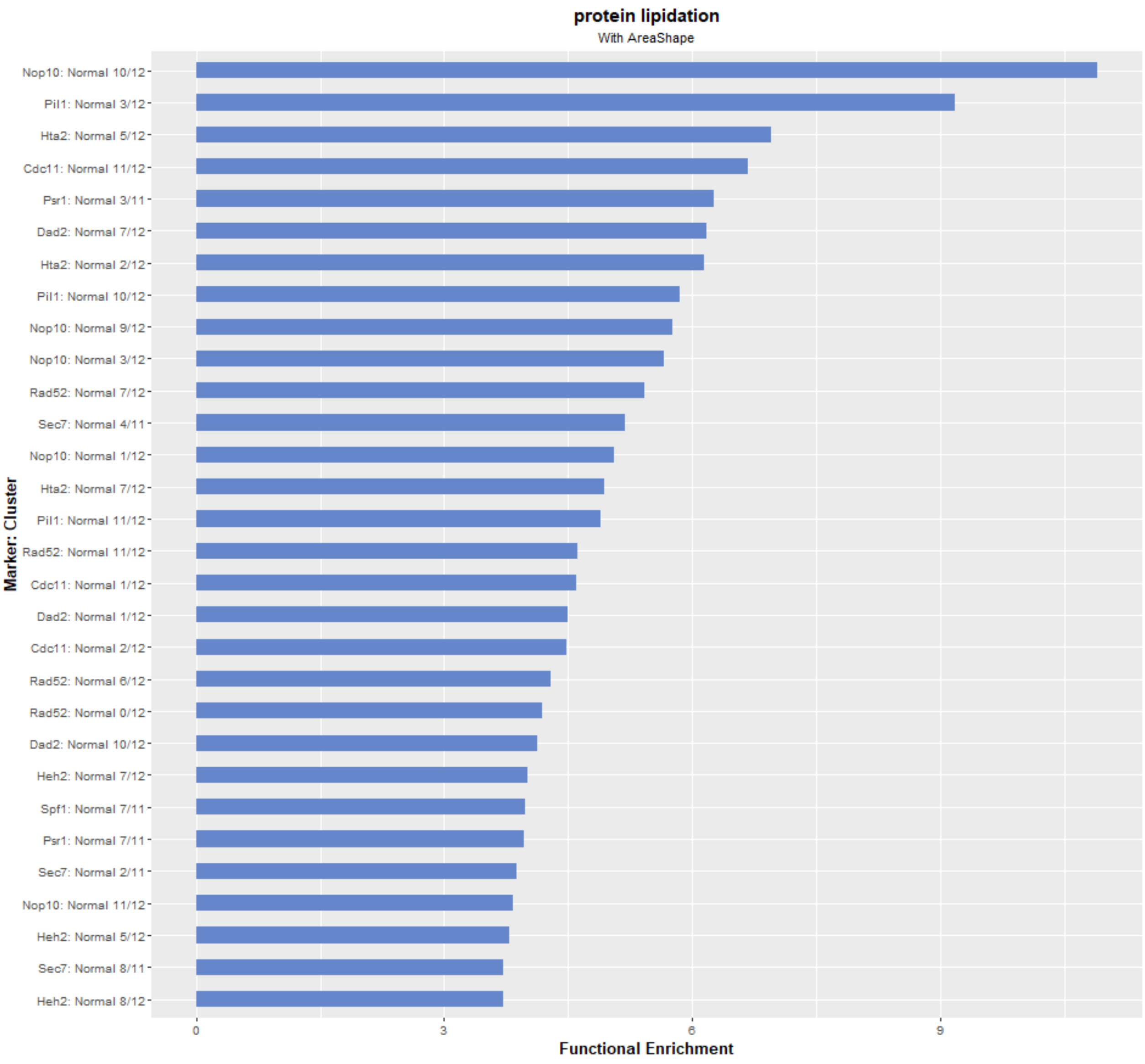

protein acylation
With AreaShape
Hta2: Normal 6/12
Hta2: Normal 1/12
Hta2: Normal 5/12
Pil1: Normal 9/12
Dad2: Normal 11/12
Sec21: Normal 2/10
Om45: Normal 2/11
Hta2: Normal 0/12
Rad52: Normal 11/12
Cdc11: Normal 0/12
Nop10: Normal 3/12
Pil1: Normal 4/12
Hta2: Normal 4/12
Dad2: Normal 5/12
Hta2: Normal 7/12
Rad52: Normal 7/12
Heh2: Normal 11/12
Rad52: Normal 10/12
Sec7: Normal 5/11
Hta2: Normal 8/12
Rad52: Normal 2/12
Nop10: Normal 1/12
Rad52: Normal 8/12
Sec21: Normal 8/10
Nop10: Normal 5/12
Hta2: Normal 11/12
Sec21: Normal 9/10
Sec7: Normal 0/11
Hta2: Normal 9/12
Sec7: Normal 7/11
Cluster
Marker:
0
5
10
Functional Enrichment

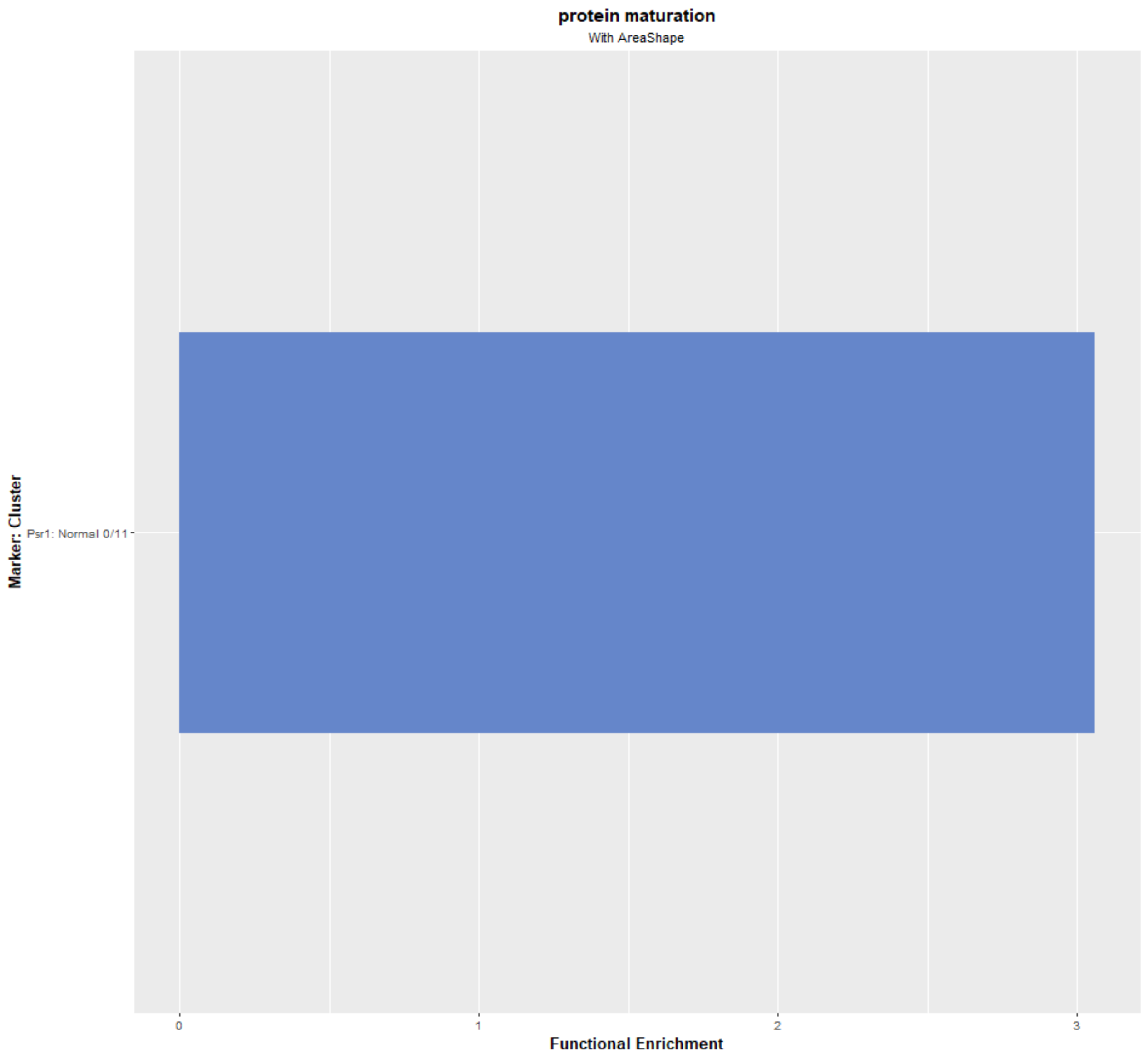

protein alkylation
With AreaShape
Sec21: Normal 1/10
Dad2: Normal 2/12
Nop10: Normal 2/12
Marker: Cluster
0
5
10
Functional Enrichment


protein complex biogenesis
With AreaShape
Hta2: Normal 10/12
Nop10: Normal 6/12
Dad2: Normal 9/12
Dad2: Normal 4/12
Om45: Normal 1/11
Nop10: Normal 10/12
Heh2: Normal 4/12
Rad52: Normal 8/12
Om45: Normal 9/11
Sec21: Normal 9/10
Rad52: Normal 6/12
Rad52: Normal 11/12
Heh2: Normal 5/12
Hta2: Normal 5/12
Cdc11: Normal 4/12
Nop10: Normal 11/12
Dad2: Normal 7/12
Sec21: Normal 5/10
Spf1: Normal 8/11
Spf1: Normal 1/11
Dad2: Normal 10/12
Cdc11: Normal 5/12
Psr1: Normal 7/11
Rad52: Normal 10/12
Pil1: Normal 5/12
Sec21: Normal 2/10
Om45: Normal 2/11
Nop10: Normal 1/12
Rad52: Normal 0/12
Hta2: Normal 7/12
Cluster
Marker:
0
2
4
6
Functional Enrichment


protein dephosphorylation
With AreaShape
Nop10: Normal 8/12
Heh2: Normal 0/12
Nop10: Normal 4/12
Marker: Cluster
0
1
2
3
Functional Enrichment


protein glycosylation
With AreaShape
Vph1_R1_no_posctrl: Normal 11/12
Vph1_R1_with_posctrl: Normal 8/12
Vph1_R1_no_posctrl: Normal 7/12
Cluster
Marker:
Vph1_R1_with_posctrl: Normal 7/12
Vph1_R1_no_posctrl: Normal 8/12
Vph1_R1_with_posctrl: Normal 2/12
0
2
4
6
Functional Enrichment


protein lipidation
With AreaShape
Nop10: Normal 10/12
Pil1: Normal 3/12
Hta2: Normal 5/12
Cdc11: Normal 11/12
Psr1: Normal 3/11
Dad2: Normal 7/12
Hta2: Normal 2/12
Pil1: Normal 10/12
Nop10: Normal 9/12
Nop10: Normal 3/12
Rad52: Normal 7/12
Sec7: Normal 4/11
Nop10: Normal 1/12
Hta2: Normal 7/12
Pil1: Normal 11/12
Rad52: Normal 11/12
Cdc11: Normal 1/12
Dad2: Normal 1/12
Cdc11: Normal 2/12
Rad52: Normal 6/12
Rad52: Normal 0/12
Dad2: Normal 10/12
Heh2: Normal 7/12
Spf1: Normal 7/11
Psr1: Normal 7/11
Sec7: Normal 2/11
Nop10: Normal 11/12
Heh2: Normal 5/12
Sec7: Normal 8/11
Heh2: Normal 8/12
Cluster
Marker:
0
3
6
9
Functional Enrichment


protein maturation
With AreaShape
Marker: Cluster
Psr1: Normal 0/11
0
1
2
3
Functional Enrichment

protein modification by small protein conjugation or removal

With AreaShape

Cluster

Sec21: Normal 1/10
Nop10: Normal 6/12
Om45: Normal 1/11
Rad52: Normal 5/12
Heh2: Normal 4/12
Hta2: Normal 10/12
Spf1: Normal 5/11
Heh2: Normal 11/12
Cdc11: Normal 5/12
Pil1: Normal 5/12
Spf1: Normal 2/11
Dad2: Normal 6/12
Psr1: Normal 2/11
Hta2: Normal 4/12
Rad52: Normal 8/12

Marker:

Om45: Normal 10/11
Nuf2: Normal 10/11
Sec7: Normal 5/11
Cdc11: Normal 8/12
Cdc11: Normal 10/12
Nop10: Normal 9/12
Hta2: Normal 0/12
Nuf2: Normal 0/11
Om45: Normal 8/11
Rad52: Normal 9/12
Nop10: Normal 5/12
Heh2: Normal 0/12
Spf1: Normal 0/11
Heh2: Normal 1/12
Spf1: Normal 3/11

0
2
4
6

Functional Enrichment

protein phosphorylation

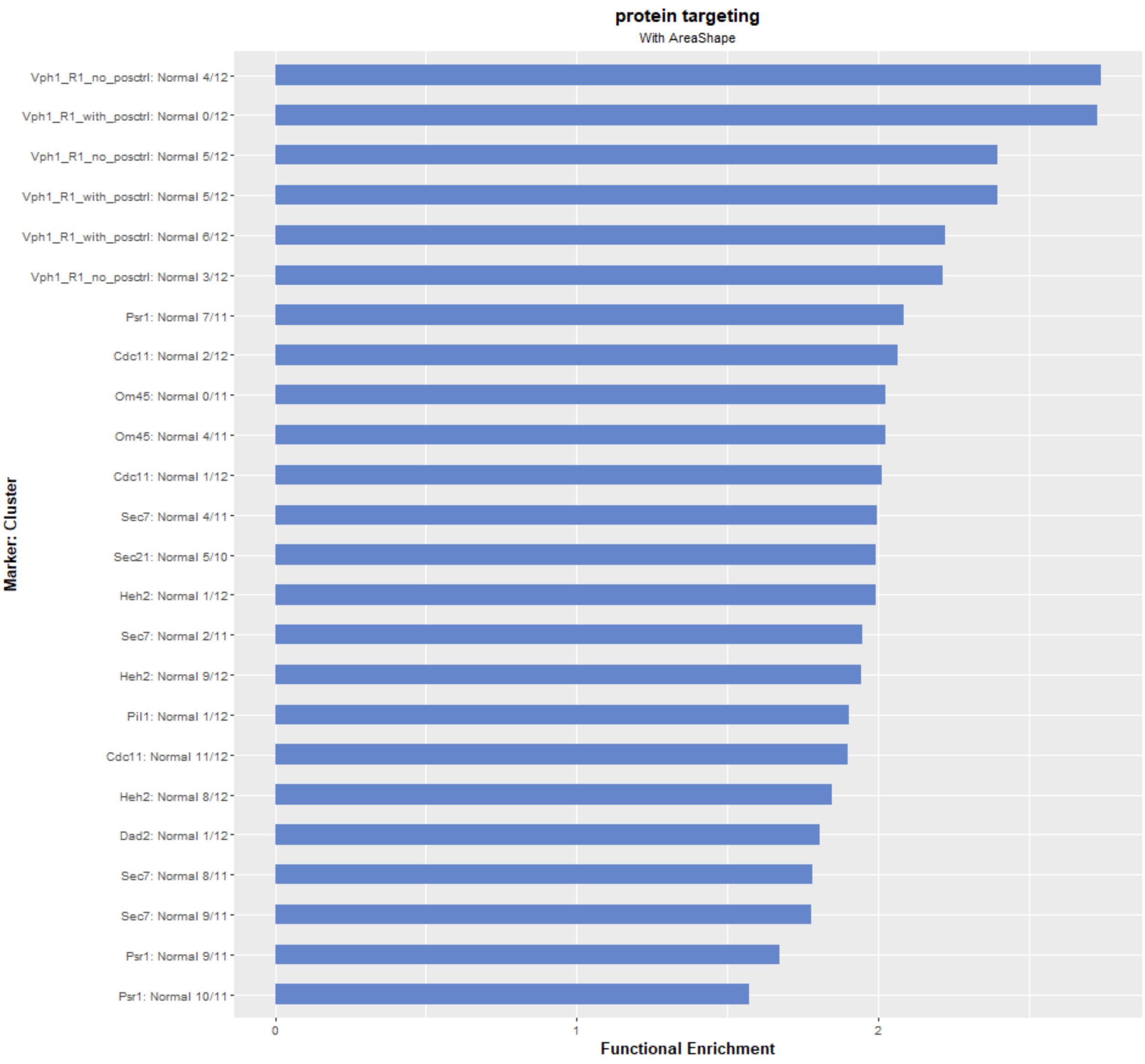
With AreaShape

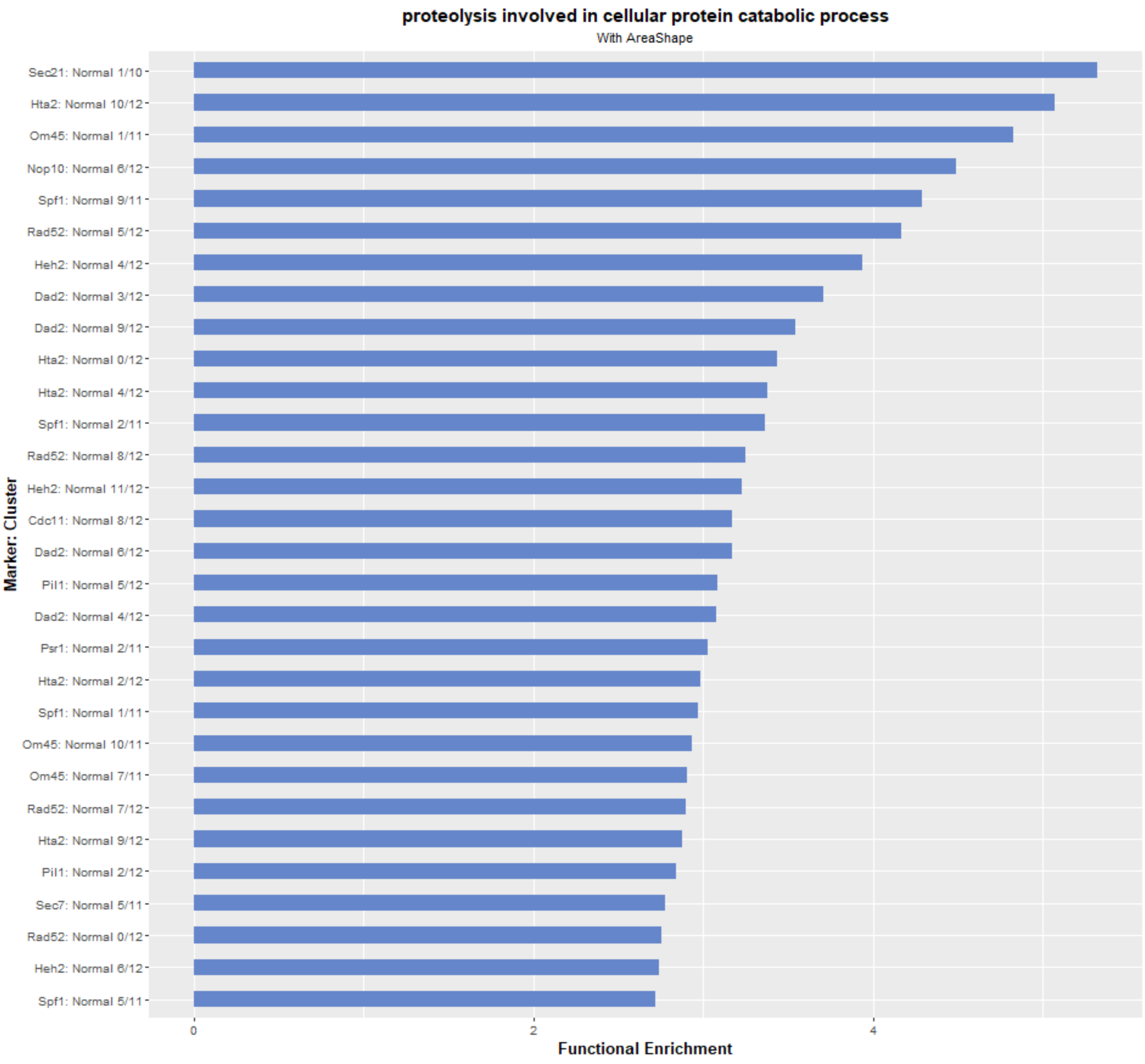
Cluster Marker:

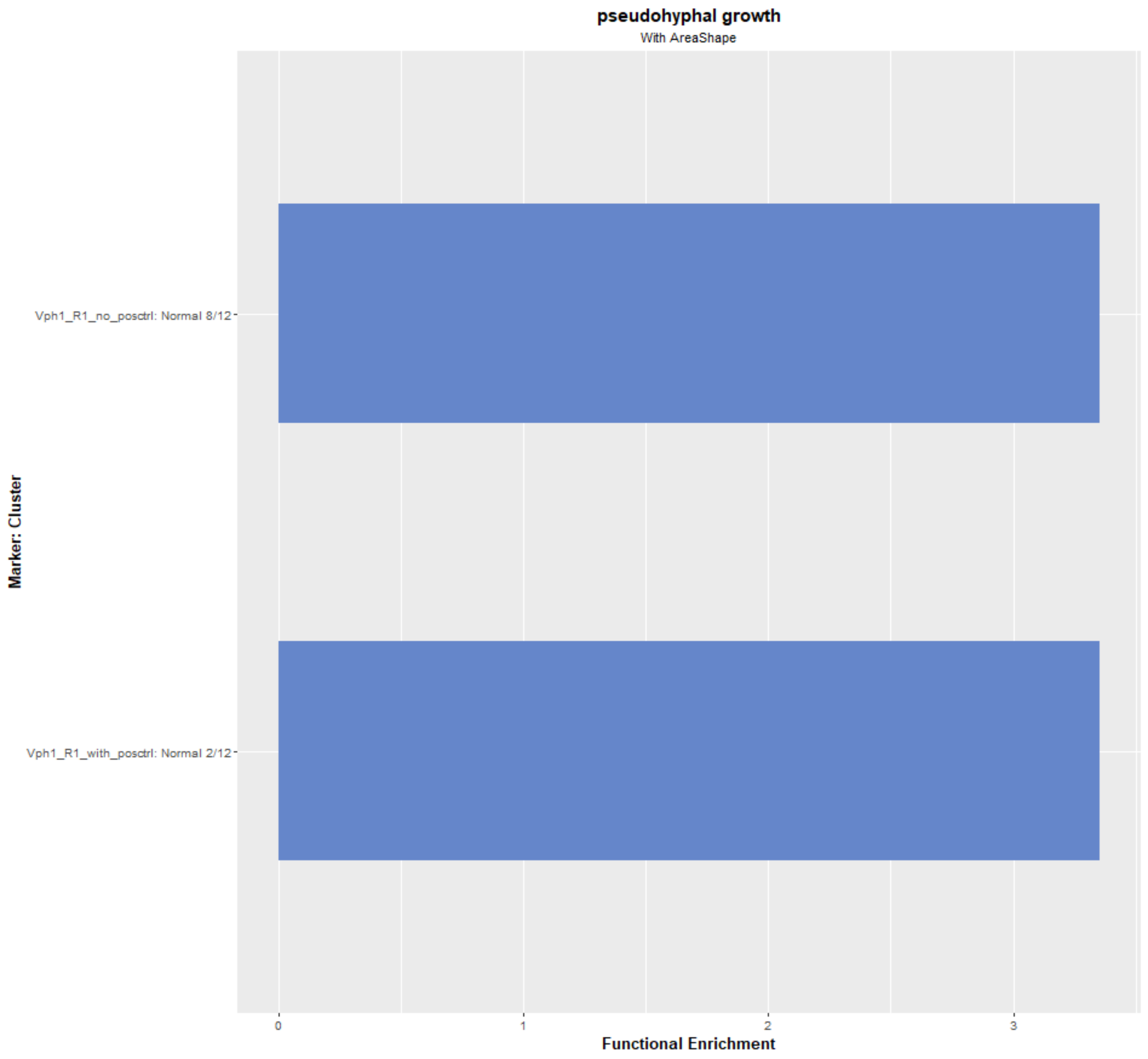
- Nuf2: Normal 10/11
- Nop10: Normal 10/12
- Dad2: Normal 8/12
- Om45: Normal 8/11
- Cdc11: Normal 10/12
- Hta2: Normal 1/12
- Cdc11: Normal 1/12
- Hta2: Normal 0/12
- Om45: Normal 10/11
- Nuf2: Normal 9/11
- Dad2: Normal 6/12
- Rad52: Normal 10/12
- Sec7: Normal 0/11
- Sec21: Normal 5/10
- Nop10: Normal 5/12
- Pil1: Normal 1/12
- Nop10: Normal 11/12
- Nop10: Normal 2/12
- Nop10: Normal 4/12
- Nuf2: Normal 0/11
- Sec7: Normal 10/11
- Spf1: Normal 3/11
- Heh2: Normal 11/12
- Vph1_R1_no_posctrl: Normal 5/12
- Vph1_R1_with_posctrl: Normal 5/12
- Om45: Normal 7/11
- Rad52: Normal 6/12
- Rad52: Normal 9/12
- Sec7: Normal 7/11
- Pil1: Normal 8/12

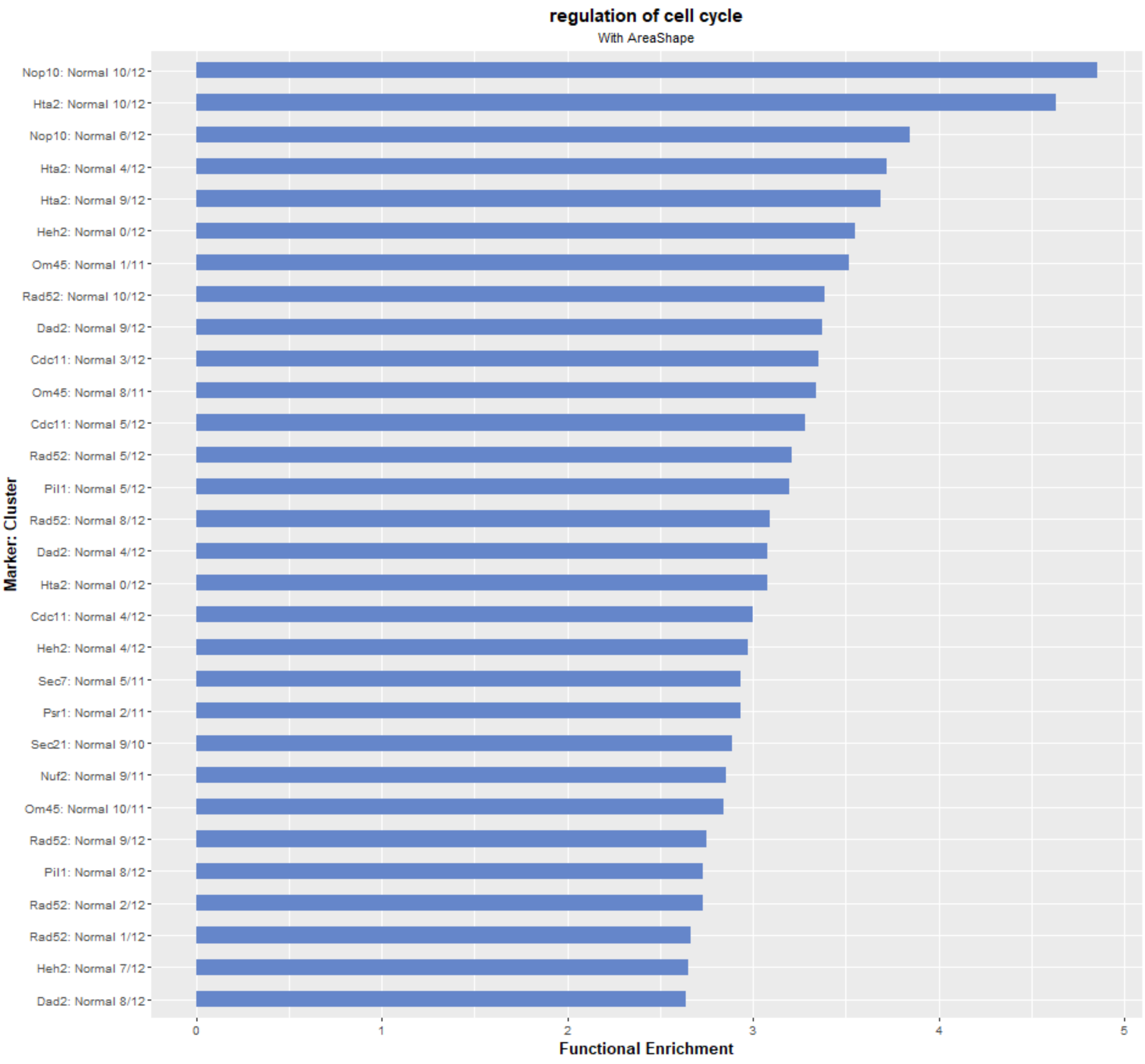
0 1 2 3

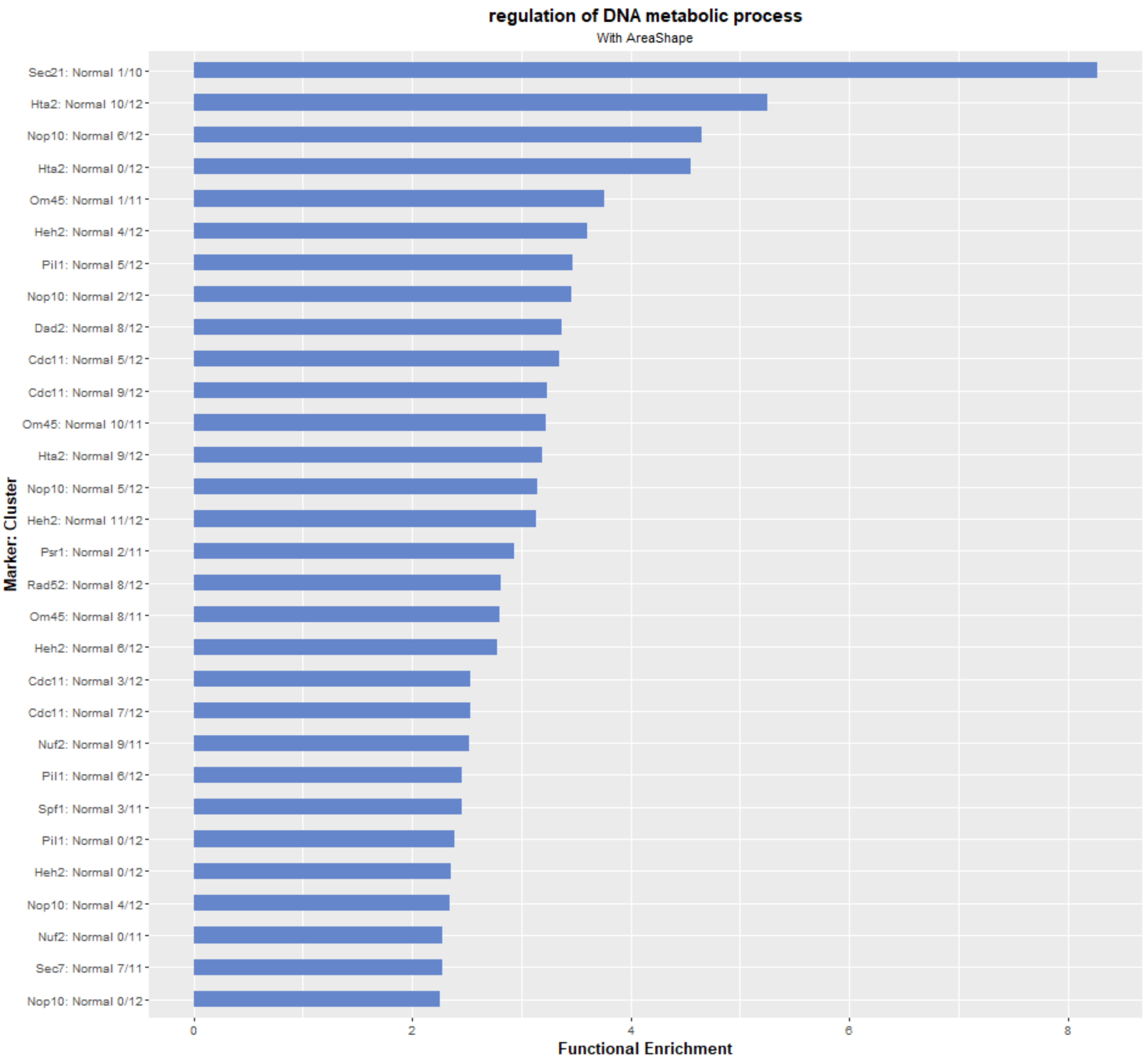
Functional Enrichment

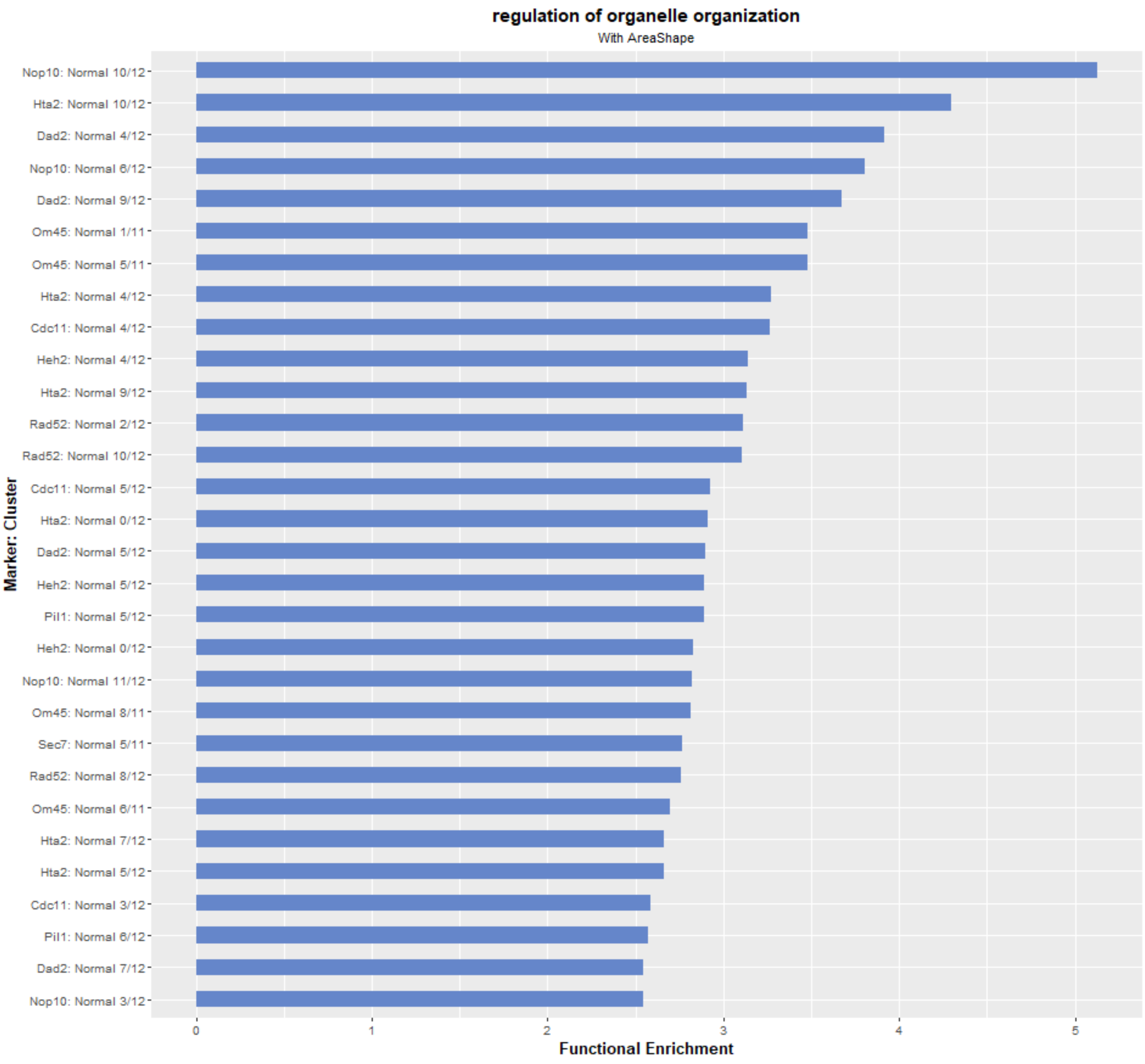

protein targeting
With AreaShape
Vph1_R1_no_posctrl: Normal 4/12
Vph1_R1_with_posctrl: Normal 0/12
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 6/12
Vph1_R1_no_posctrl: Normal 3/12
Psr1: Normal 7/11
Cdc11: Normal 2/12
Om45: Normal 0/11
Om45: Normal 4/11
Cdc11: Normal 1/12
Sec7: Normal 4/11
Sec21: Normal 5/10
Heh2: Normal 1/12
Sec7: Normal 2/11
Heh2: Normal 9/12
Pil1: Normal 1/12
Cdc11: Normal 11/12
Heh2: Normal 8/12
Dad2: Normal 1/12
Sec7: Normal 8/11
Sec7: Normal 9/11
Psr1: Normal 9/11
Psr1: Normal 10/11
Cluster
Marker:
0
1
2
Functional Enrichment

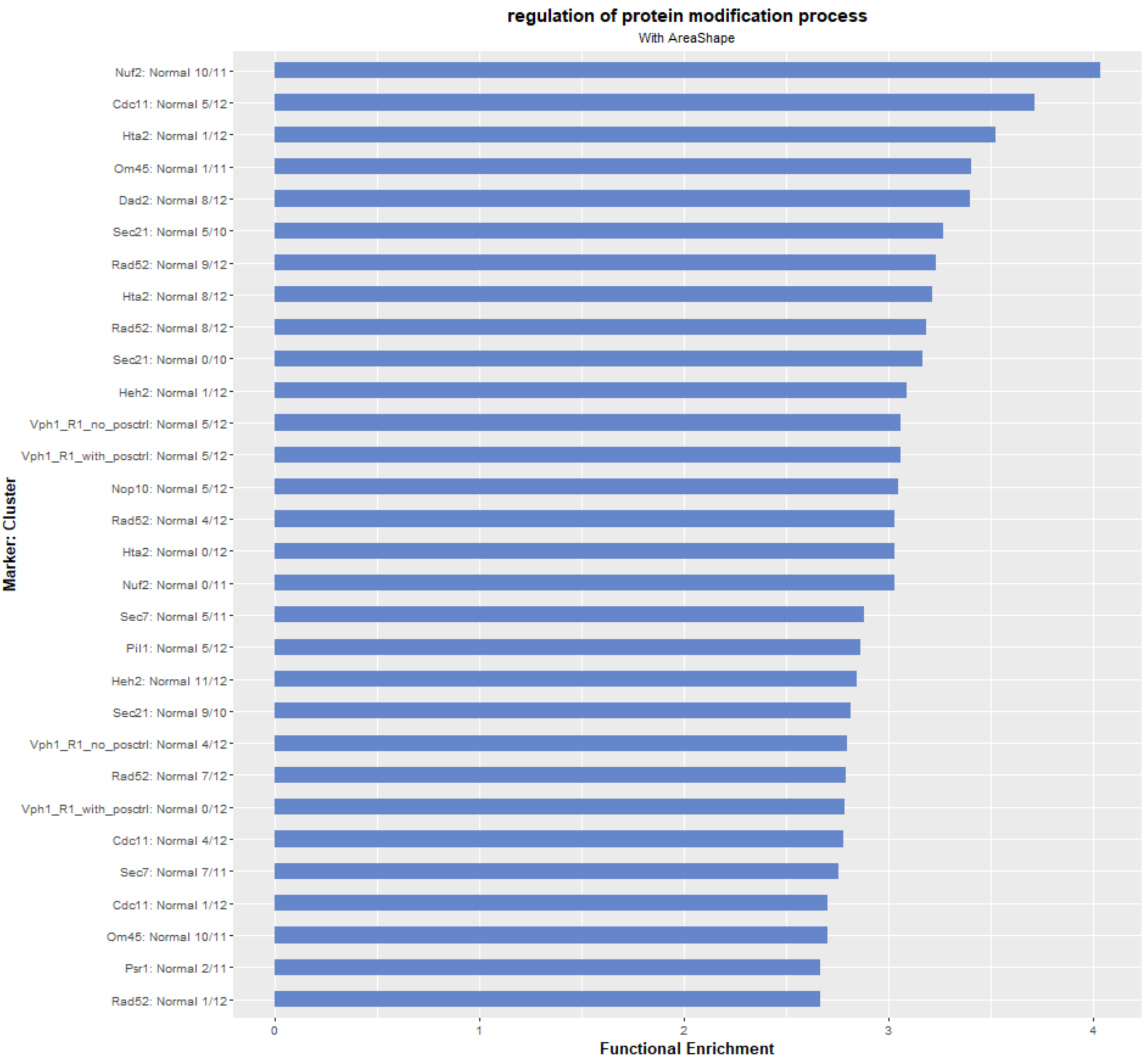

proteolysis involved in cellular protein catabolic process
With AreaShape
Cluster
Marker:
Sec21: Normal 1/10
Hta2: Normal 10/12
Om45: Normal 1/11
Nop10: Normal 6/12
Spf1: Normal 9/11
Rad52: Normal 5/12
Heh2: Normal 4/12
Dad2: Normal 3/12
Dad2: Normal 9/12
Hta2: Normal 0/12
Hta2: Normal 4/12
Spf1: Normal 2/11
Rad52: Normal 8/12
Heh2: Normal 11/12
Cdc11: Normal 8/12
Dad2: Normal 6/12
Pil1: Normal 5/12
Dad2: Normal 4/12
Psr1: Normal 2/11
Hta2: Normal 2/12
Spf1: Normal 1/11
Om45: Normal 10/11
Om45: Normal 7/11
Rad52: Normal 7/12
Hta2: Normal 9/12
Pil1: Normal 2/12
Sec7: Normal 5/11
Rad52: Normal 0/12
Heh2: Normal 6/12
Spf1: Normal 5/11
0
2
4
Functional Enrichment

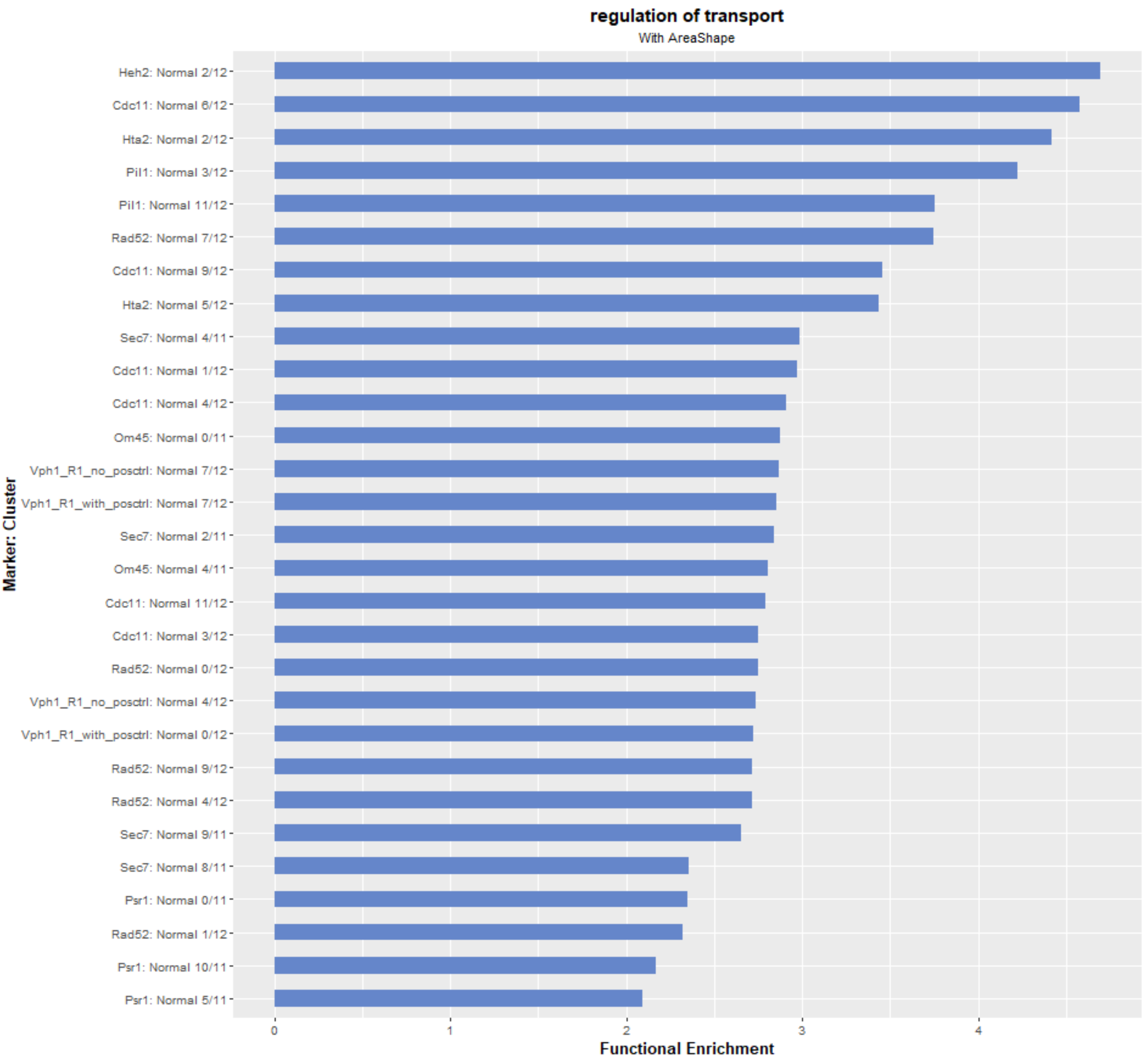

pseudohyphal growth
With AreaShape
Vph1_R1_no_posctrl: Normal 8/12
Vph1_R1_with_posctrl: Normal 2/12
Cluster
Marker:
0
1
2
3
Functional Enrichment


regulation of cell cycle
With AreaShape
Cluster
Marker:
Nop10: Normal 10/12
Hta2: Normal 10/12
Nop10: Normal 6/12
Hta2: Normal 4/12
Hta2: Normal 9/12
Heh2: Normal 0/12
Om45: Normal 1/11
Rad52: Normal 10/12
Dad2: Normal 9/12
Cdc11: Normal 3/12
Om45: Normal 8/11
Cdc11: Normal 5/12
Rad52: Normal 5/12
Pil1: Normal 5/12
Rad52: Normal 8/12
Dad2: Normal 4/12
Hta2: Normal 0/12
Cdc11: Normal 4/12
Heh2: Normal 4/12
Sec7: Normal 5/11
Psr1: Normal 2/11
Sec21: Normal 9/10
Nuf2: Normal 9/11
Om45: Normal 10/11
Rad52: Normal 9/12
Pil1: Normal 8/12
Rad52: Normal 2/12
Rad52: Normal 1/12
Heh2: Normal 7/12
Dad2: Normal 8/12
0
1
2
3
4
5
Functional Enrichment


regulation of DNA metabolic process
With AreaShape
Sec21: Normal 1/10
Hta2: Normal 10/12
Nop10: Normal 6/12
Hta2: Normal 0/12
Om45: Normal 1/11
Heh2: Normal 4/12
Pil1: Normal 5/12
Nop10: Normal 2/12
Dad2: Normal 8/12
Cdc11: Normal 5/12
Cdc11: Normal 9/12
Om45: Normal 10/11
Hta2: Normal 9/12
Nop10: Normal 5/12
Heh2: Normal 11/12
Psr1: Normal 2/11
Rad52: Normal 8/12
Om45: Normal 8/11
Heh2: Normal 6/12
Cdc11: Normal 3/12
Cdc11: Normal 7/12
Nuf2: Normal 9/11
Pil1: Normal 6/12
Spf1: Normal 3/11
Pil1: Normal 0/12
Heh2: Normal 0/12
Nop10: Normal 4/12
Nuf2: Normal 0/11
Sec7: Normal 7/11
Nop10: Normal 0/12
Cluster
Marker:
0
2
4
6
8
Functional Enrichment


regulation of organelle organization
With AreaShape
Nop10: Normal 10/12
Hta2: Normal 10/12
Dad2: Normal 4/12
Nop10: Normal 6/12
Dad2: Normal 9/12
Om45: Normal 1/11
Om45: Normal 5/11
Hta2: Normal 4/12
Cdc11: Normal 4/12
Heh2: Normal 4/12
Hta2: Normal 9/12
Rad52: Normal 2/12
Rad52: Normal 10/12
Cdc11: Normal 5/12
Hta2: Normal 0/12
Dad2: Normal 5/12
Heh2: Normal 5/12
Pil1: Normal 5/12
Heh2: Normal 0/12
Nop10: Normal 11/12
Om45: Normal 8/11
Sec7: Normal 5/11
Rad52: Normal 8/12
Om45: Normal 6/11
Hta2: Normal 7/12
Hta2: Normal 5/12
Cdc11: Normal 3/12
Pil1: Normal 6/12
Dad2: Normal 7/12
Nop10: Normal 3/12
Cluster
Marker:
0
1
2
3
4
5
Functional Enrichment


regulation of protein modification process
With AreaShape
Nuf2: Normal 10/11
Cdc11: Normal 5/12
Hta2: Normal 1/12
Om45: Normal 1/11
Dad2: Normal 8/12
Sec21: Normal 5/10
Rad52: Normal 9/12
Hta2: Normal 8/12
Rad52: Normal 8/12
Sec21: Normal 0/10
Heh2: Normal 1/12
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Nop10: Normal 5/12
Rad52: Normal 4/12
Hta2: Normal 0/12
Nuf2: Normal 0/11
Sec7: Normal 5/11
Pil1: Normal 5/12
Heh2: Normal 11/12
Sec21: Normal 9/10
Vph1_R1_no_posctrl: Normal 4/12
Rad52: Normal 7/12
Vph1_R1_with_posctrl: Normal 0/12
Cdc11: Normal 4/12
Sec7: Normal 7/11
Cdc11: Normal 1/12
Om45: Normal 10/11
Psr1: Normal 2/11
Rad52: Normal 1/12
Cluster
Marker:
0
1
2
3
4
Functional Enrichment


regulation of transport
With AreaShape
Heh2: Normal 2/12
Cdc11: Normal 6/12
Hta2: Normal 2/12
Pil1: Normal 3/12
Pil1: Normal 11/12
Rad52: Normal 7/12
Cdc11: Normal 9/12
Hta2: Normal 5/12
Sec7: Normal 4/11
Cdc11: Normal 1/12
Cdc11: Normal 4/12
Om45: Normal 0/11
Vph1_R1_no_posctrl: Normal 7/12
Vph1_R1_with_posctrl: Normal 7/12
Sec7: Normal 2/11
Om45: Normal 4/11
Cdc11: Normal 11/12
Cdc11: Normal 3/12
Rad52: Normal 0/12
Vph1_R1_no_posctrl: Normal 4/12
Vph1_R1_with_posctrl: Normal 0/12
Rad52: Normal 9/12
Rad52: Normal 4/12
Sec7: Normal 9/11
Sec7: Normal 8/11
Psr1: Normal 0/11
Rad52: Normal 1/12
Psr1: Normal 10/11
Psr1: Normal 5/11
Marker: Cluster
0
1
2
3
4
Functional Enrichment

response to heat

With AreaShape

Marker: Cluster

Psr1: Normal 0/11

0.0

0.5

1.0

1.5

2.0

2.5

Functional Enrichment

response to starvation

With AreaShape

Marker: Cluster

Psr1: Normal 6/11

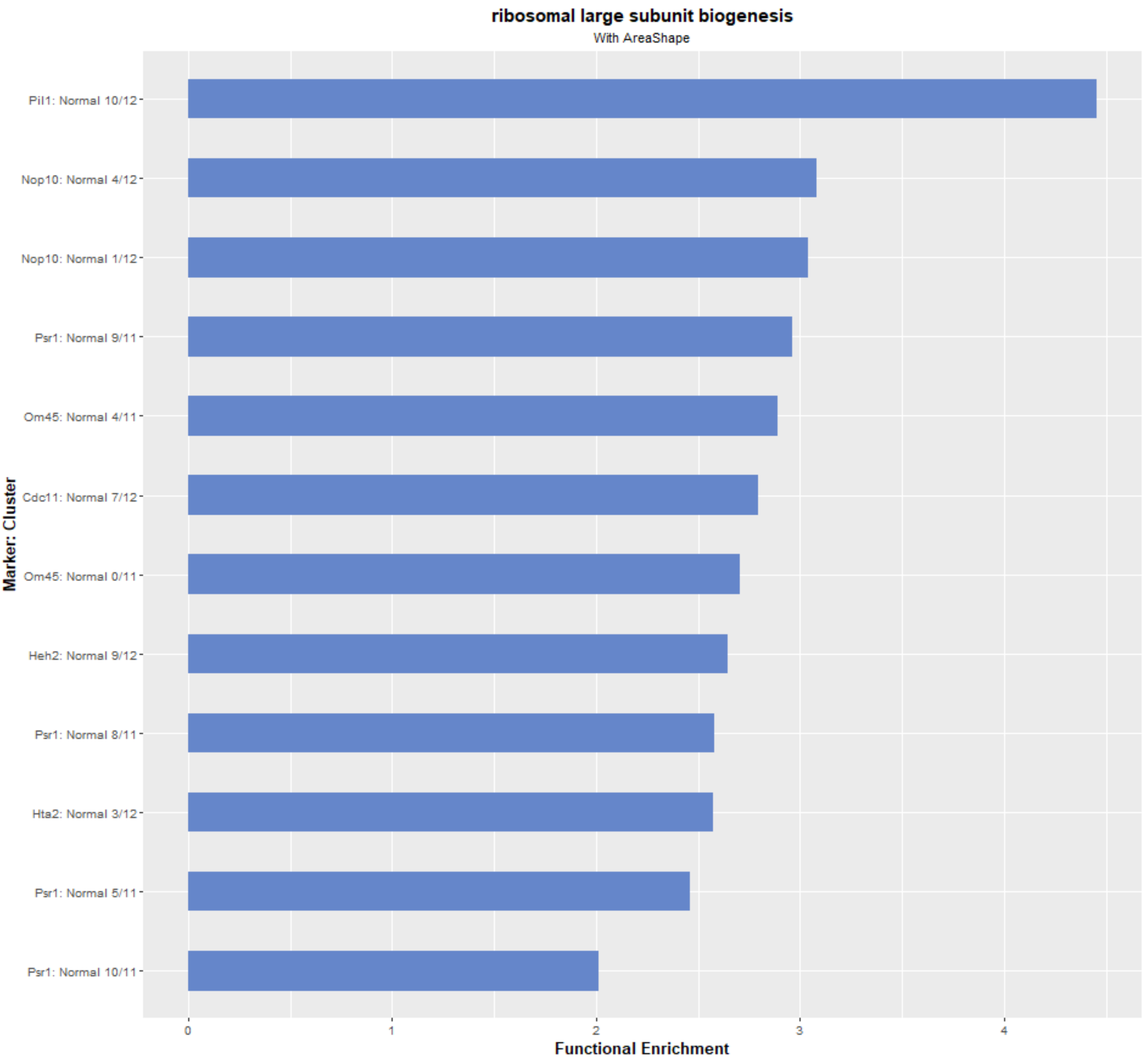
0

5

10

15

Functional Enrichment


ribosomal large subunit biogenesis
With AreaShape
Pil1: Normal 10/12
Nop10: Normal 4/12
Nop10: Normal 1/12
Psr1: Normal 9/11
Om45: Normal 4/11
Cdc11: Normal 7/12
Om45: Normal 0/11
Heh2: Normal 9/12
Psr1: Normal 8/11
Hta2: Normal 3/12
Psr1: Normal 5/11
Psr1: Normal 10/11
Cluster
Marker:
0
1
2
3
4
Functional Enrichment

ribosomal small subunit biogenesis

With AreaShape

Marker: Cluster

Nop10: Normal 0/12

0.0

0.5

1.0

1.5

2.0

2.5

Functional Enrichment

ribosomal subunit export from nucleus

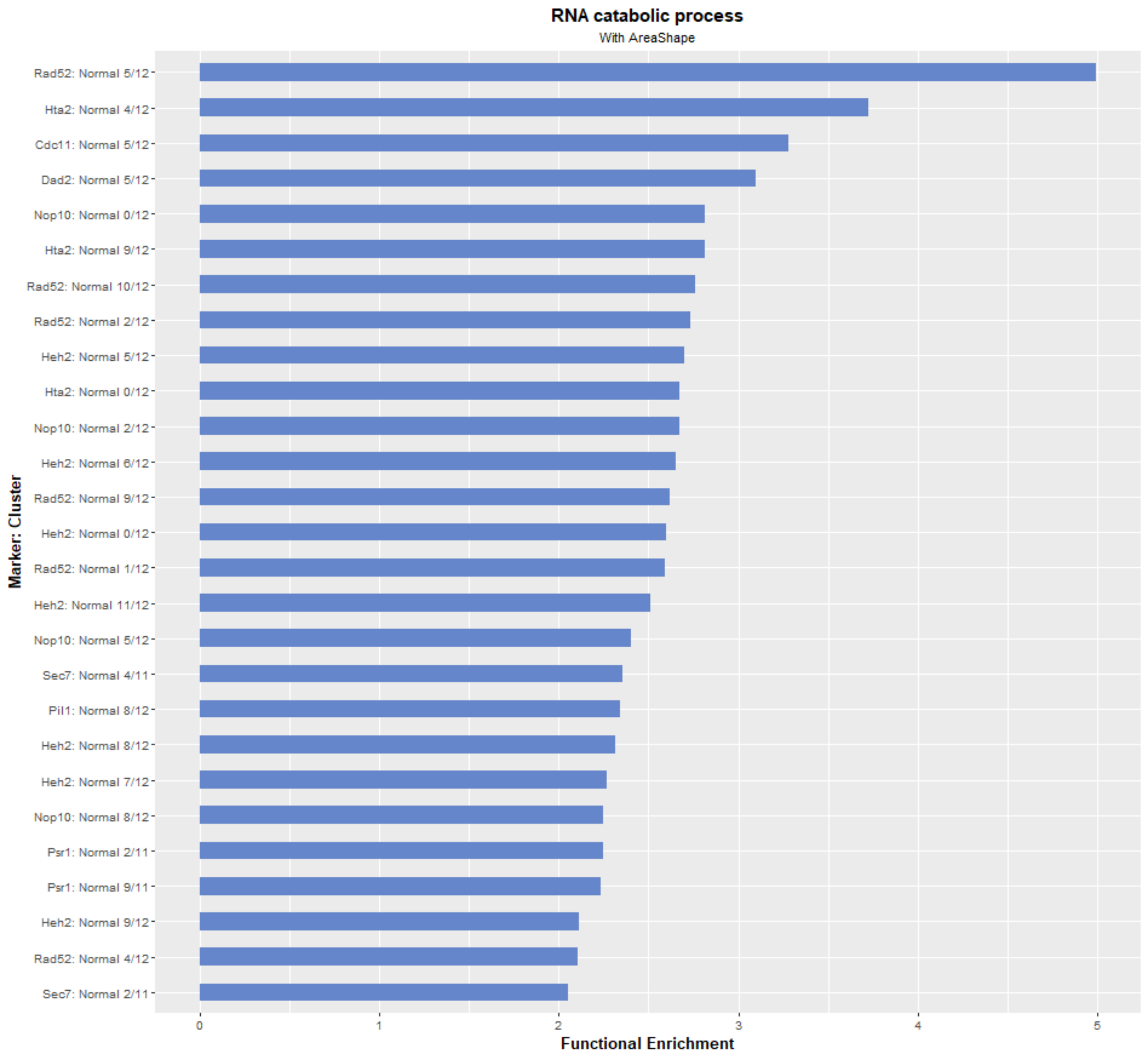
With AreaShape

Cluster
Marker:

Dad2: Normal 11/12
Rad52: Normal 10/12
Om45: Normal 0/11
Heh2: Normal 10/12
Hta2: Normal 4/12
Cdc11: Normal 2/12
Psr1: Normal 7/11
Psr1: Normal 9/11
Heh2: Normal 5/12
Om45: Normal 4/11
Cdc11: Normal 11/12
Pil1: Normal 8/12
Om45: Normal 9/11
Nop10: Normal 1/12
Sec21: Normal 2/10
Heh2: Normal 9/12
Rad52: Normal 6/12
Spf1: Normal 8/11
Hta2: Normal 11/12
Om45: Normal 2/11
Psr1: Normal 2/11
Heh2: Normal 8/12
Pil1: Normal 1/12
Sec21: Normal 9/10
Rad52: Normal 11/12
Cdc11: Normal 1/12
Hta2: Normal 9/12
Om45: Normal 6/11
Sec7: Normal 8/11
Dad2: Normal 5/12

0
5
10
15

Functional Enrichment


RNA catabolic process
With AreaShape
Rad52: Normal 5/12
Hta2: Normal 4/12
Cdc11: Normal 5/12
Dad2: Normal 5/12
Nop10: Normal 0/12
Hta2: Normal 9/12
Rad52: Normal 10/12
Rad52: Normal 2/12
Heh2: Normal 5/12
Hta2: Normal 0/12
Nop10: Normal 2/12
Heh2: Normal 6/12
Rad52: Normal 9/12
Heh2: Normal 0/12
Rad52: Normal 1/12
Heh2: Normal 11/12
Nop10: Normal 5/12
Sec7: Normal 4/11
Pil1: Normal 8/12
Heh2: Normal 8/12
Heh2: Normal 7/12
Nop10: Normal 8/12
Psr1: Normal 2/11
Psr1: Normal 9/11
Heh2: Normal 9/12
Rad52: Normal 4/12
Sec7: Normal 2/11
Marker: Cluster
0
1
2
3
4
5
Functional Enrichment

RNA splicing

With AreaShape

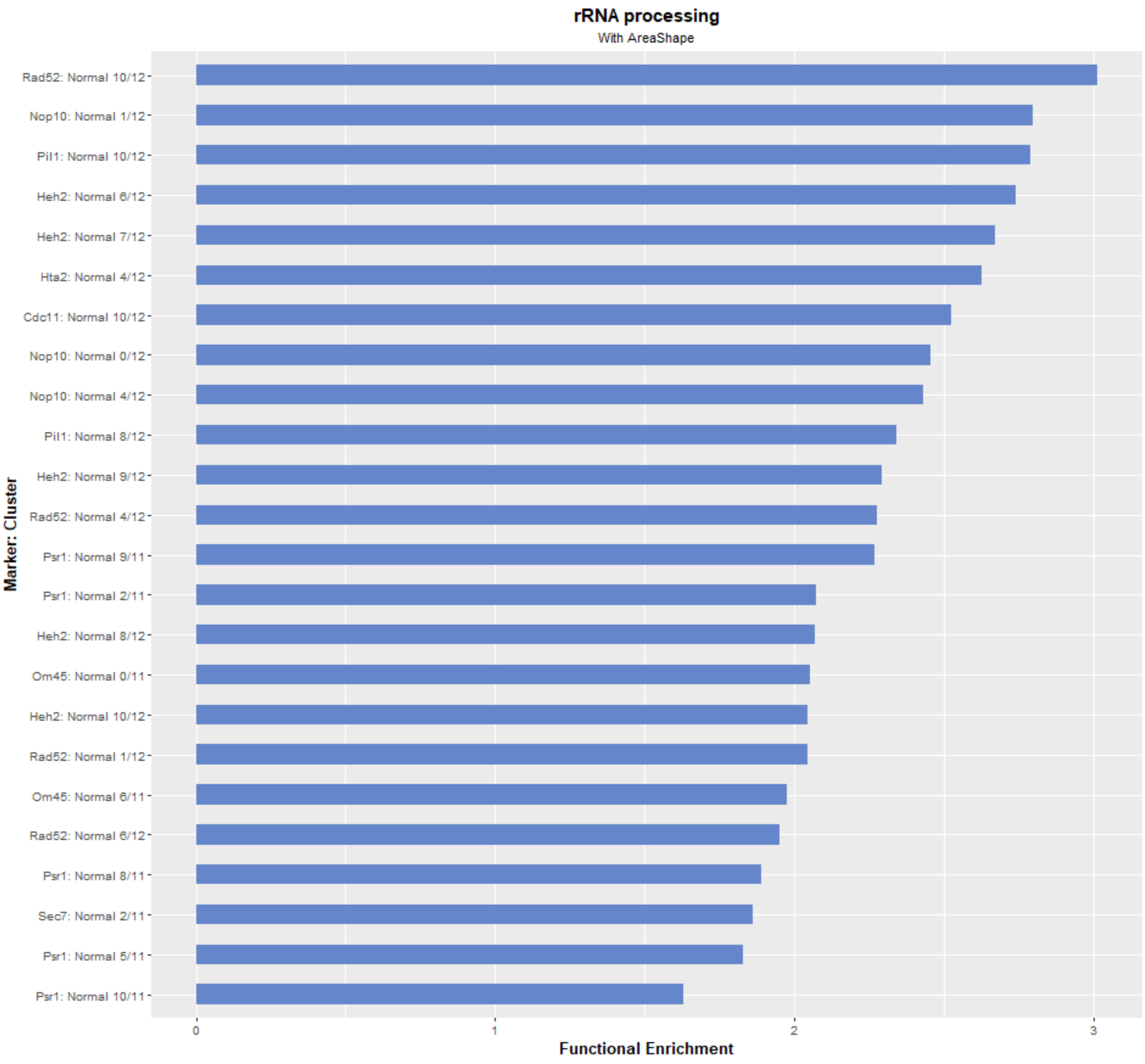
Cluster

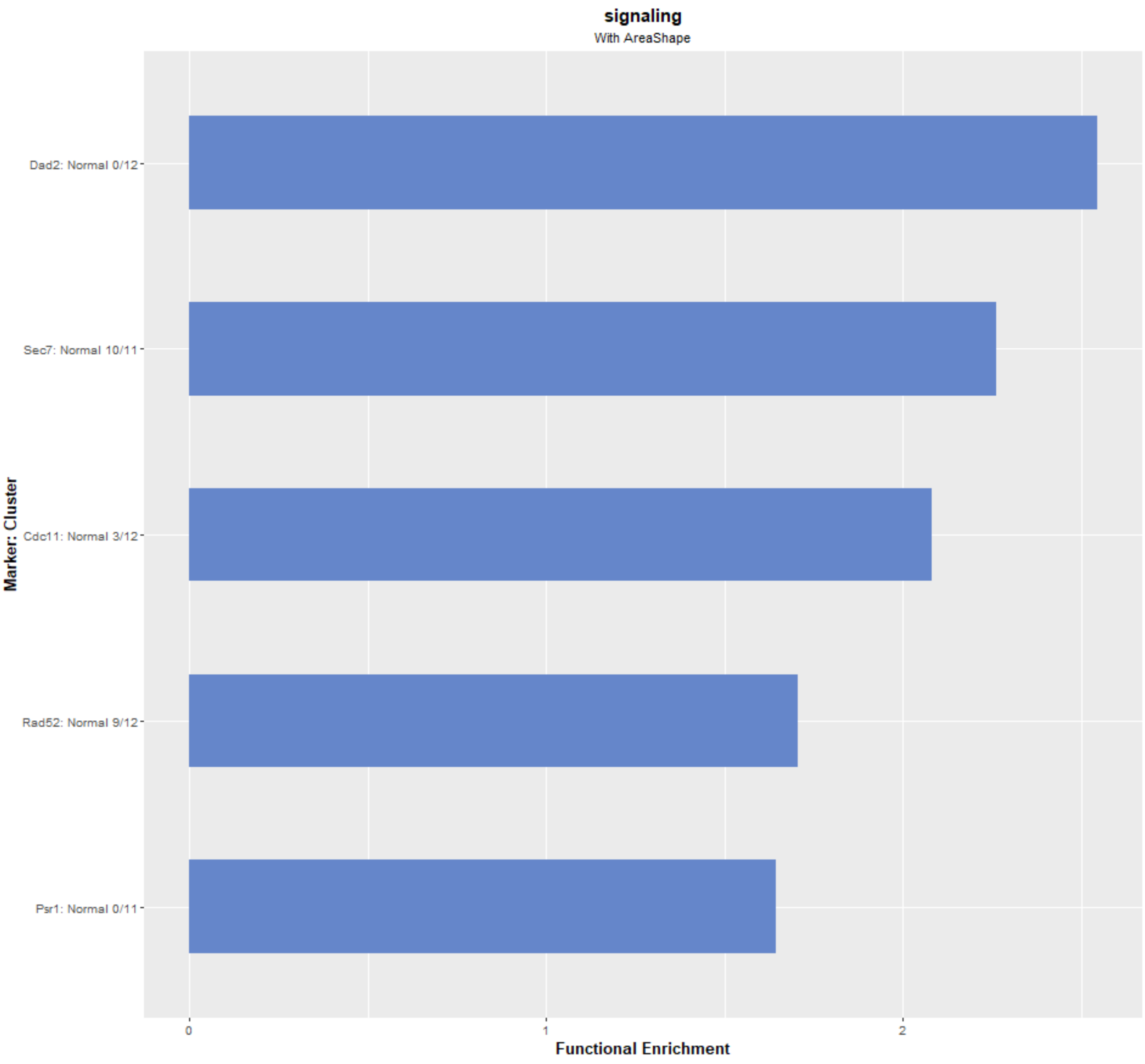
Marker:

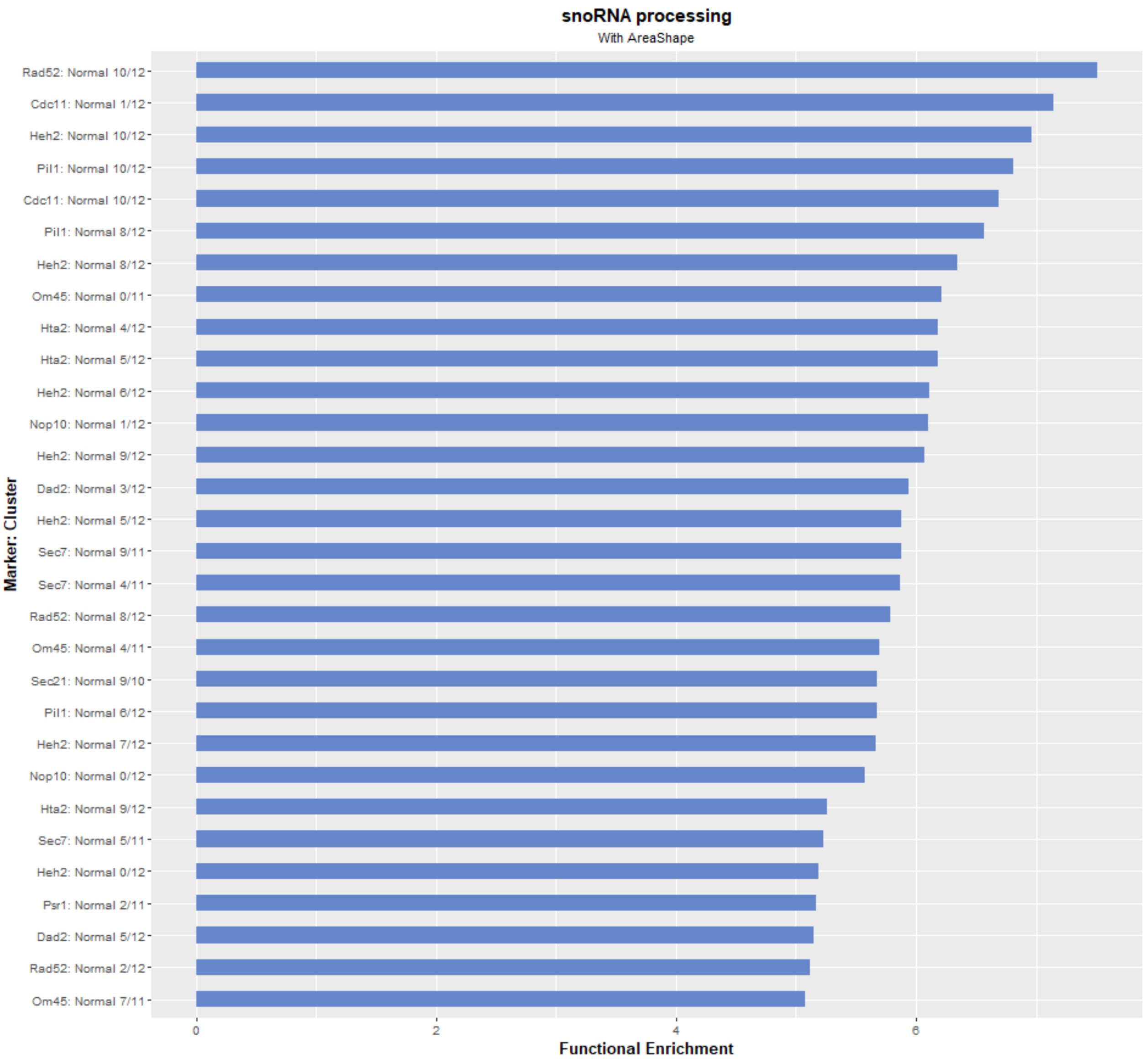
Dad2: Normal 3/12
Dad2: Normal 11/12
Cdc11: Normal 0/12
Sec21: Normal 3/10
Pil1: Normal 3/12
Dad2: Normal 5/12
Nop10: Normal 11/12
Sec21: Normal 5/10
Hta2: Normal 11/12
Sec21: Normal 0/10
Dad2: Normal 9/12
Hta2: Normal 7/12
Nop10: Normal 2/12
Hta2: Normal 1/12
Sec7: Normal 5/11
Sec21: Normal 8/10
Om45: Normal 1/11
Rad52: Normal 11/12
Rad52: Normal 8/12
Heh2: Normal 4/12
Spf1: Normal 1/11
Om45: Normal 7/11
Sec21: Normal 6/10
Heh2: Normal 10/12
Spf1: Normal 0/11
Pil1: Normal 5/12
Sec7: Normal 9/11
Heh2: Normal 5/12
Spf1: Normal 8/11
Heh2: Normal 0/12

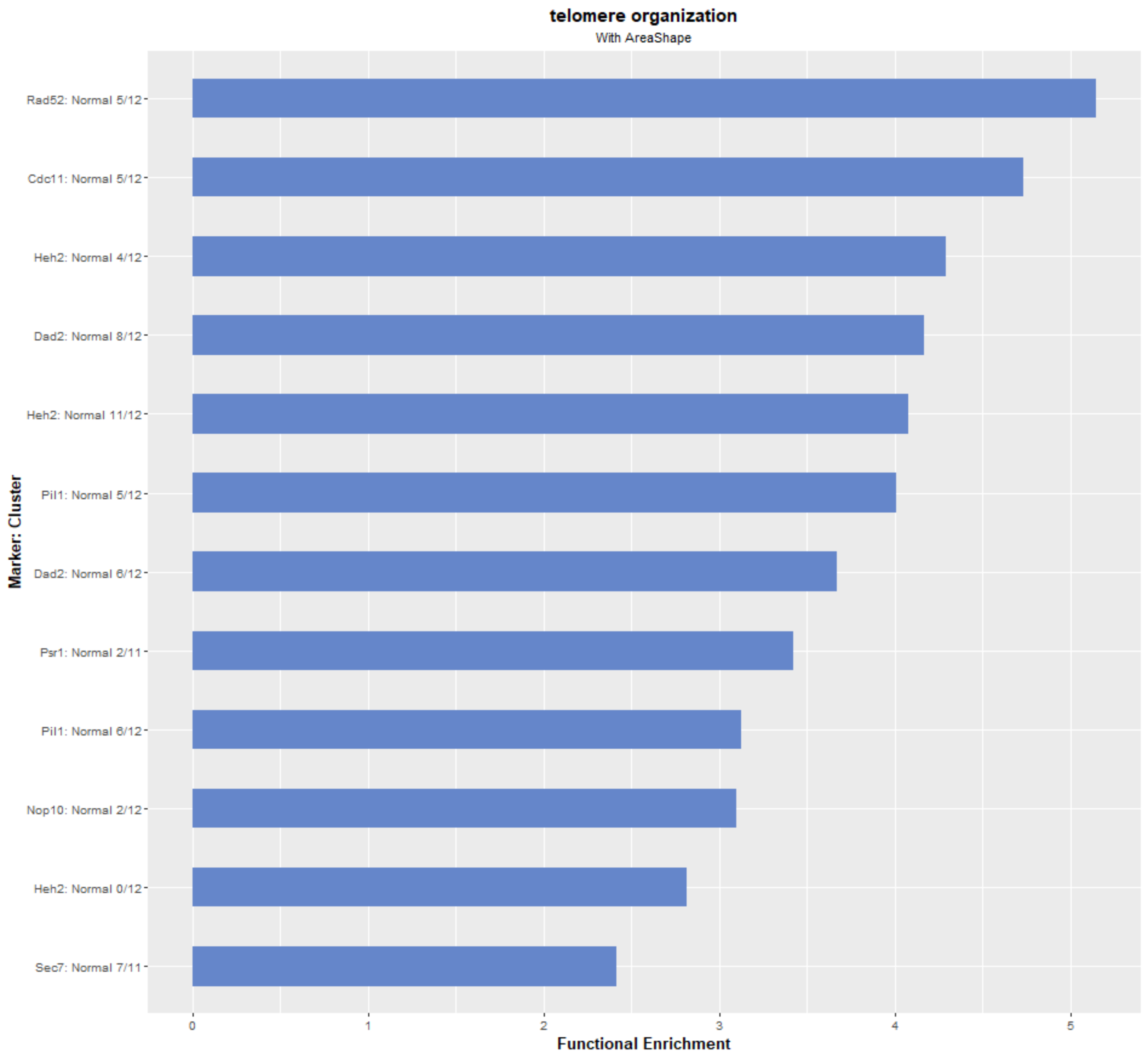
0.0
2.5
5.0
7.5
10.0

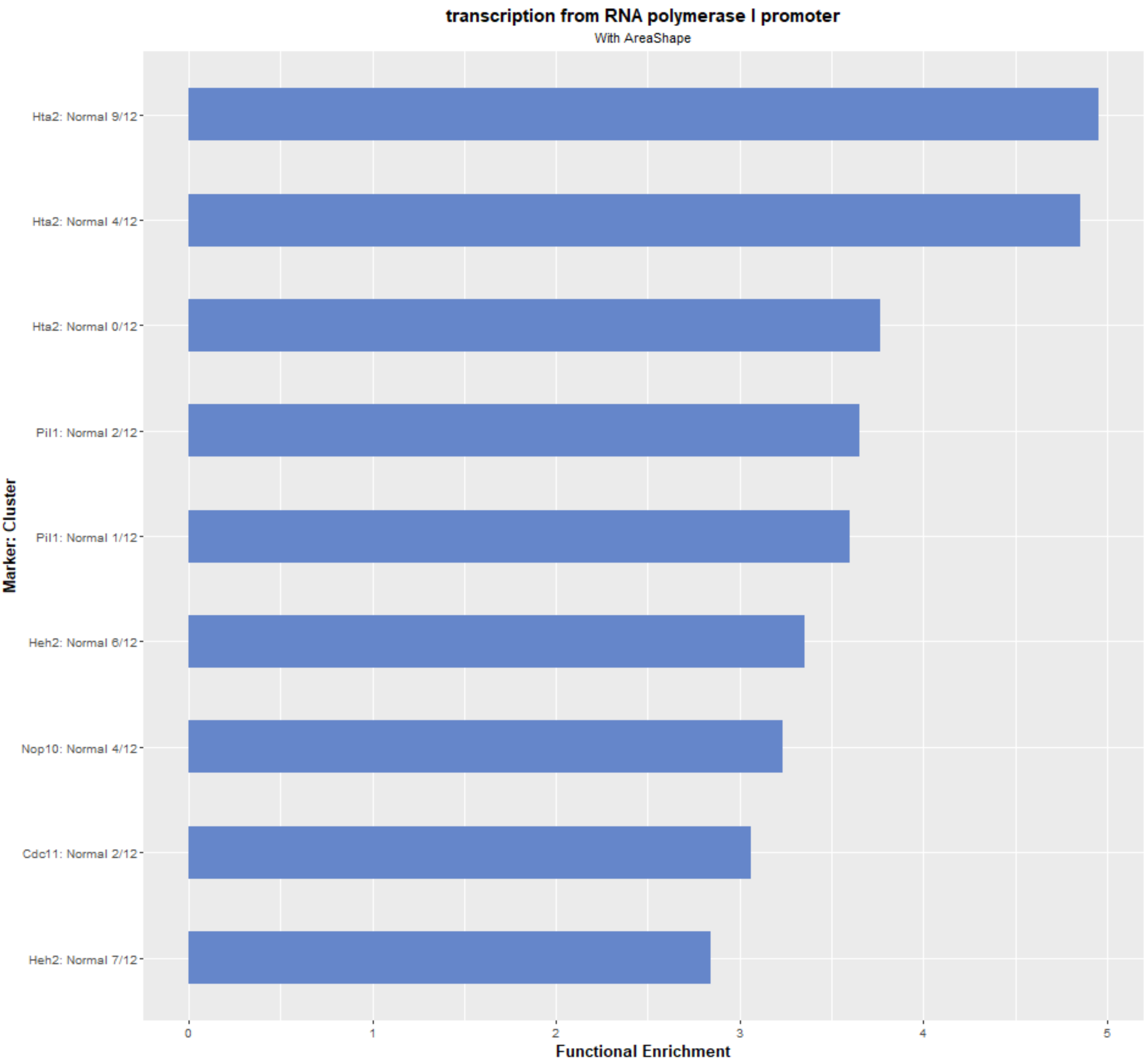
Functional Enrichment


rRNA processing
With AreaShape
Rad52: Normal 10/12
Nop10: Normal 1/12
Pil1: Normal 10/12
Heh2: Normal 6/12
Heh2: Normal 7/12
Hta2: Normal 4/12
Cdc11: Normal 10/12
Nop10: Normal 0/12
Nop10: Normal 4/12
Pil1: Normal 8/12
Heh2: Normal 9/12
Rad52: Normal 4/12
Psr1: Normal 9/11
Psr1: Normal 2/11
Heh2: Normal 8/12
Om45: Normal 0/11
Heh2: Normal 10/12
Rad52: Normal 1/12
Om45: Normal 6/11
Rad52: Normal 6/12
Psr1: Normal 8/11
Sec7: Normal 2/11
Psr1: Normal 5/11
Psr1: Normal 10/11
Cluster
Marker:
0
1
2
3
Functional Enrichment


signaling
With AreaShape
Dad2: Normal 0/12
Sec7: Normal 10/11
Cdc11: Normal 3/12
Rad52: Normal 9/12
Psr1: Normal 0/11
Marker: Cluster
0
1
2
Functional Enrichment


snoRNA processing
With AreaShape
Rad52: Normal 10/12
Cdc11: Normal 1/12
Heh2: Normal 10/12
Pil1: Normal 10/12
Cdc11: Normal 10/12
Pil1: Normal 8/12
Heh2: Normal 8/12
Om45: Normal 0/11
Hta2: Normal 4/12
Hta2: Normal 5/12
Heh2: Normal 6/12
Nop10: Normal 1/12
Heh2: Normal 9/12
Dad2: Normal 3/12
Heh2: Normal 5/12
Sec7: Normal 9/11
Sec7: Normal 4/11
Rad52: Normal 8/12
Om45: Normal 4/11
Sec21: Normal 9/10
Pil1: Normal 6/12
Heh2: Normal 7/12
Nop10: Normal 0/12
Hta2: Normal 9/12
Sec7: Normal 5/11
Heh2: Normal 0/12
Psr1: Normal 2/11
Dad2: Normal 5/12
Rad52: Normal 2/12
Om45: Normal 7/11
Cluster
Marker:
0
2
4
6
Functional Enrichment


telomere organization
With AreaShape
Rad52: Normal 5/12
Cdc11: Normal 5/12
Heh2: Normal 4/12
Dad2: Normal 8/12
Heh2: Normal 11/12
Pil1: Normal 5/12
Dad2: Normal 6/12
Psr1: Normal 2/11
Pil1: Normal 6/12
Nop10: Normal 2/12
Heh2: Normal 0/12
Sec7: Normal 7/11
Cluster
Marker:
0
1
2
3
4
5
Functional Enrichment


transcription from RNA polymerase I promoter
With AreaShape
Hta2: Normal 9/12
Hta2: Normal 4/12
Hta2: Normal 0/12
Pil1: Normal 2/12
Pil1: Normal 1/12
Heh2: Normal 6/12
Nop10: Normal 4/12
Cdc11: Normal 2/12
Heh2: Normal 7/12
Marker: Cluster
0
1
2
3
4
5
Functional Enrichment

transcription from RNA polymerase II promoter

With AreaShape

Cluster

Marker:

Sec21: Normal 1/10
Om45: Normal 5/11
Hta2: Normal 6/12
Rad52: Normal 5/12
Spf1: Normal 9/11
Om45: Normal 0/11
Sec21: Normal 2/10
Spf1: Normal 2/11
Hta2: Normal 1/12
Nop10: Normal 1/12
Dad2: Normal 10/12
Sec21: Normal 8/10
Rad52: Normal 10/12
Hta2: Normal 4/12
Cdc11: Normal 9/12
Om45: Normal 9/11
Hta2: Normal 11/12
Rad52: Normal 11/12
Sec21: Normal 9/10
Heh2: Normal 10/12
Hta2: Normal 5/12
Rad52: Normal 0/12
Rad52: Normal 6/12
Om45: Normal 4/11
Cdc11: Normal 1/12
Pil1: Normal 10/12
Pil1: Normal 8/12
Rad52: Normal 2/12
Sec7: Normal 9/11
Sec7: Normal 0/11

0
2
4

Functional Enrichment

transcription from RNA polymerase III promoter

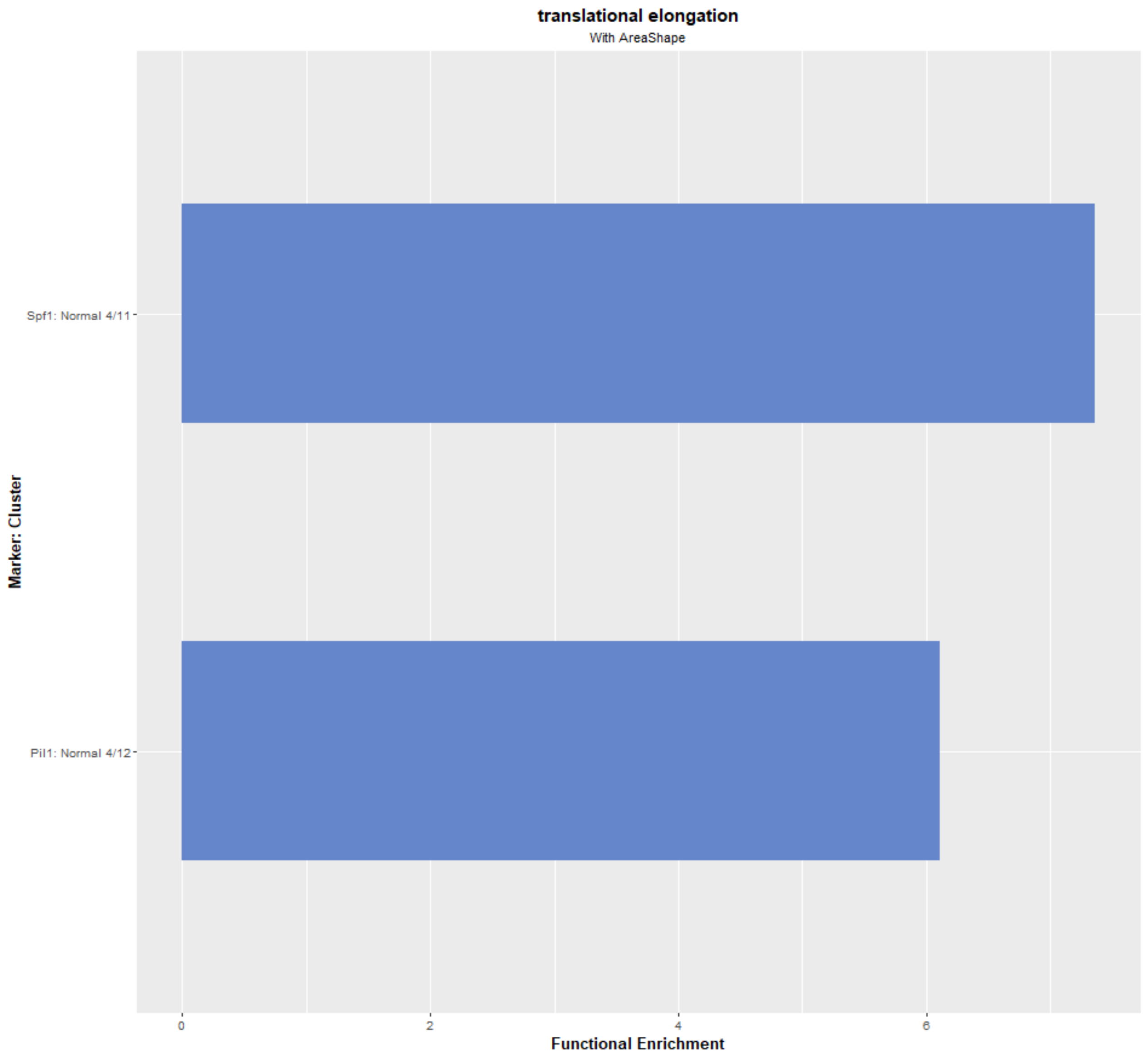
With AreaShape

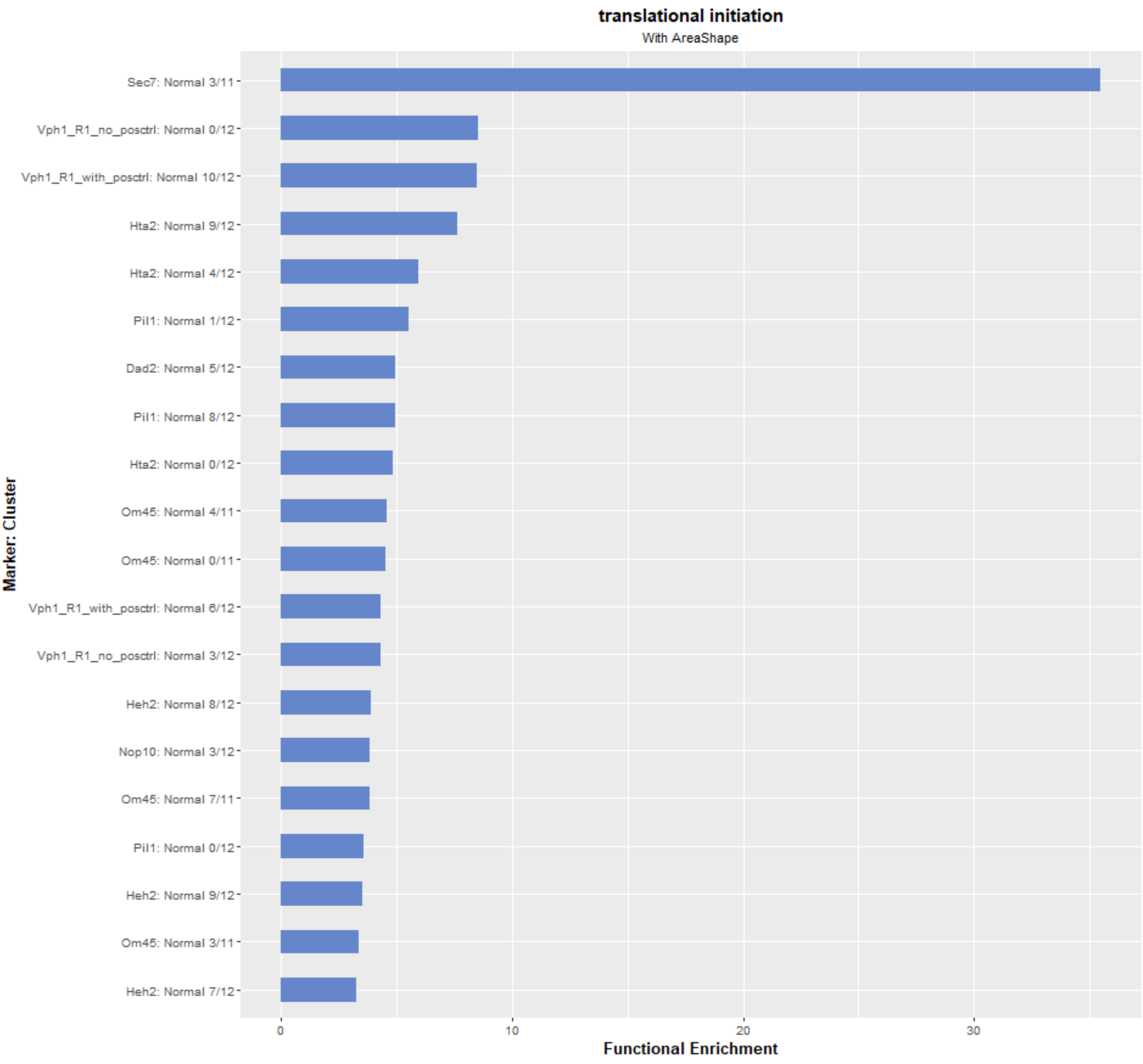
Cluster
Marker:

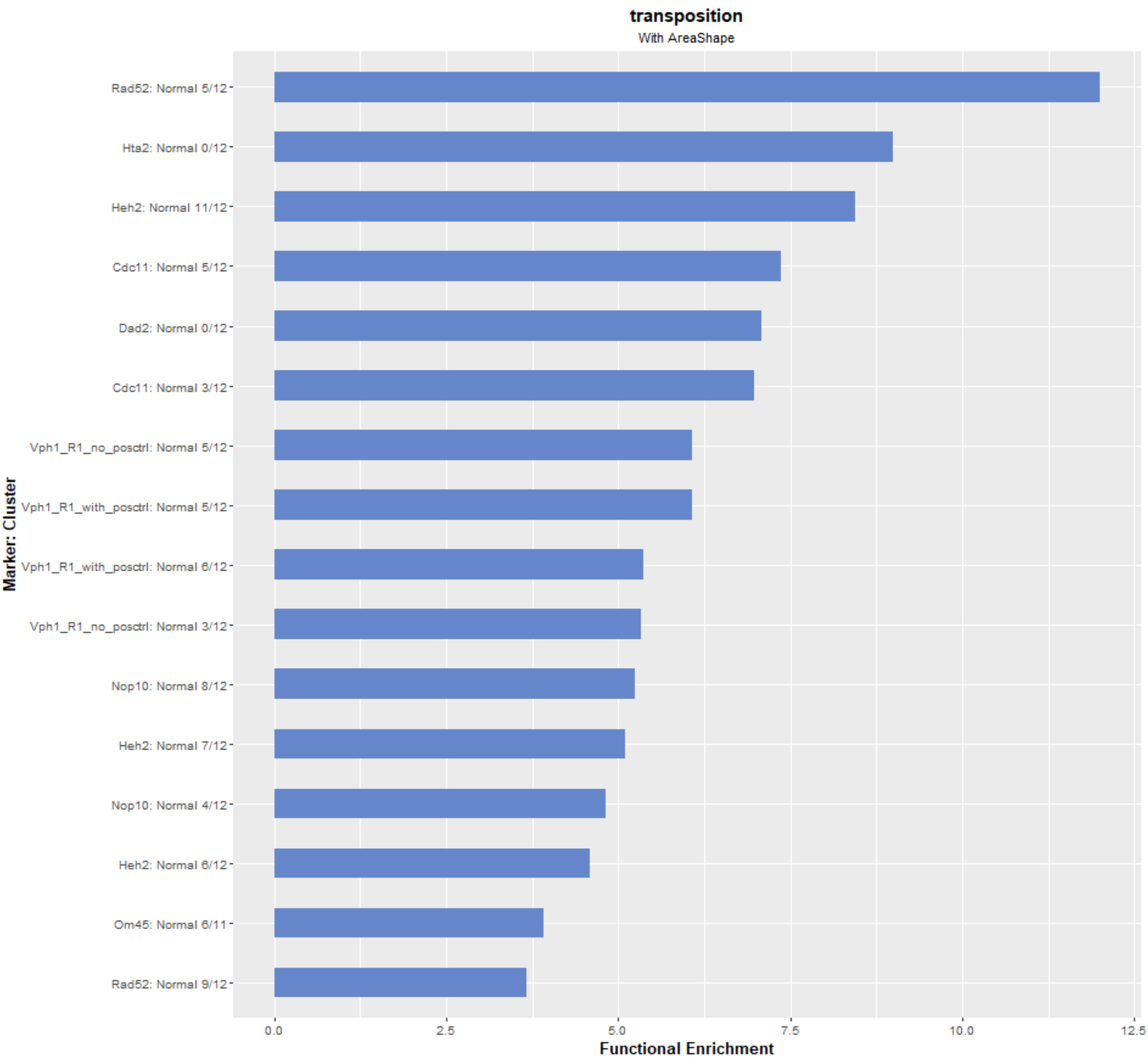
Hta2: Normal 9/12
Hta2: Normal 4/12
Hta2: Normal 0/12
Heh2: Normal 6/12
Heh2: Normal 7/12
Nop10: Normal 1/12
Nop10: Normal 4/12
Heh2: Normal 9/12

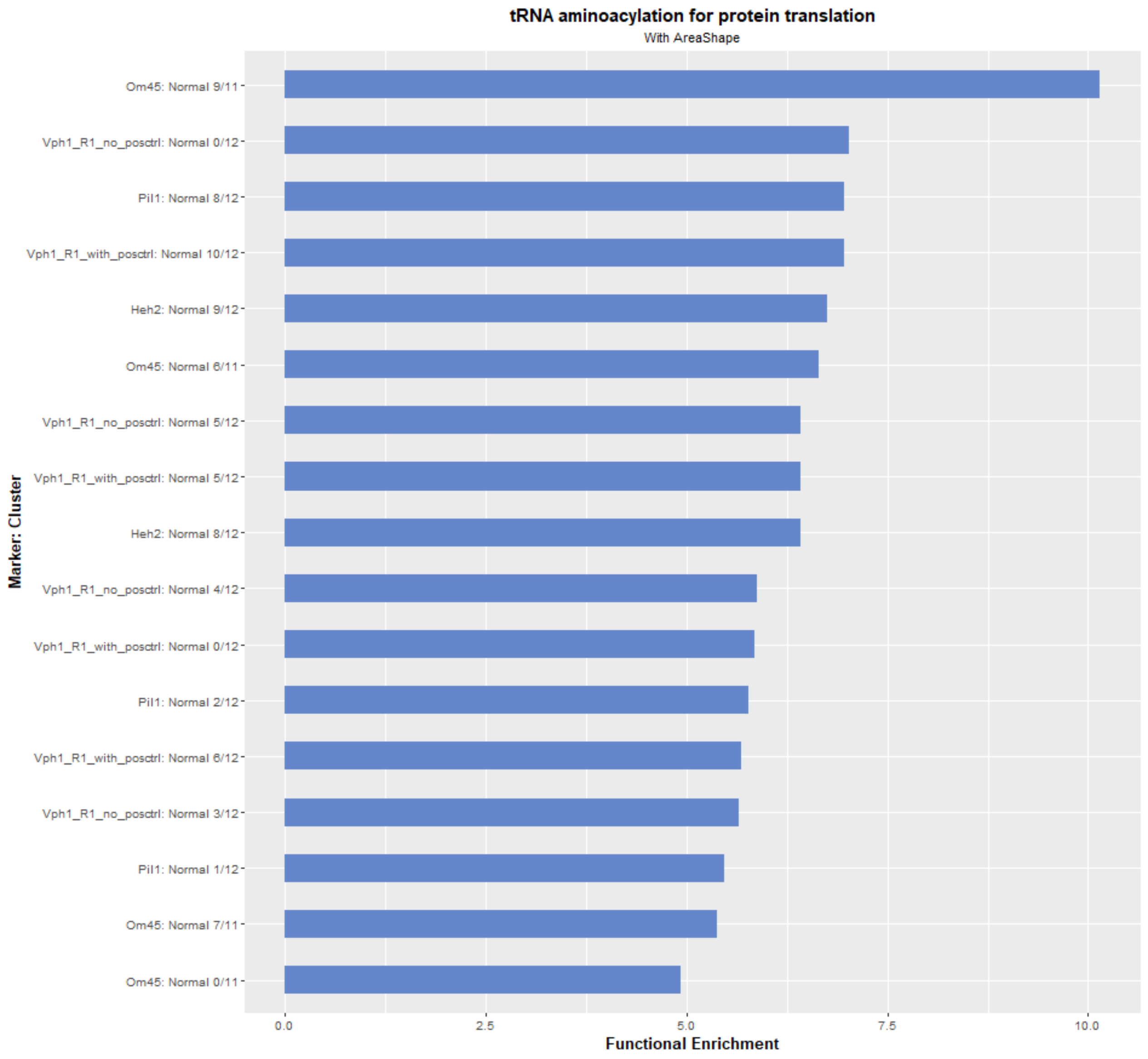
0
2
4
6
8

Functional Enrichment


translational elongation
With AreaShape
Spf1: Normal 4/11
Pil1: Normal 4/12
Cluster
Marker:
0
2
4
6
Functional Enrichment


translational initiation
With AreaShape
Sec7: Normal 3/11
Vph1_R1_no_posctrl: Normal 0/12
Vph1_R1_with_posctrl: Normal 10/12
Hta2: Normal 9/12
Hta2: Normal 4/12
Pil1: Normal 1/12
Dad2: Normal 5/12
Pil1: Normal 8/12
Hta2: Normal 0/12
Om45: Normal 4/11
Om45: Normal 0/11
Vph1_R1_with_posctrl: Normal 6/12
Vph1_R1_no_posctrl: Normal 3/12
Heh2: Normal 8/12
Nop10: Normal 3/12
Om45: Normal 7/11
Pil1: Normal 0/12
Heh2: Normal 9/12
Om45: Normal 3/11
Heh2: Normal 7/12
Cluster
Marker:
0
10
20
30
Functional Enrichment


transposition
With AreaShape
Cluster
Marker:
Rad52: Normal 5/12
Hta2: Normal 0/12
Heh2: Normal 11/12
Cdc11: Normal 5/12
Dad2: Normal 0/12
Cdc11: Normal 3/12
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 6/12
Vph1_R1_no_posctrl: Normal 3/12
Nop10: Normal 8/12
Heh2: Normal 7/12
Nop10: Normal 4/12
Heh2: Normal 6/12
Om45: Normal 6/11
Rad52: Normal 9/12
0.0
2.5
5.0
7.5
10.0
12.5
Functional Enrichment


tRNA aminoacylation for protein translation
With AreaShape
Om45: Normal 9/11
Vph1_R1_no_posctrl: Normal 0/12
Pil1: Normal 8/12
Vph1_R1_with_posctrl: Normal 10/12
Heh2: Normal 9/12
Om45: Normal 6/11
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Heh2: Normal 8/12
Vph1_R1_no_posctrl: Normal 4/12
Vph1_R1_with_posctrl: Normal 0/12
Pil1: Normal 2/12
Vph1_R1_with_posctrl: Normal 6/12
Vph1_R1_no_posctrl: Normal 3/12
Pil1: Normal 1/12
Om45: Normal 7/11
Om45: Normal 0/11
Marker: Cluster
0.0
2.5
5.0
7.5
10.0
Functional Enrichment

tRNA processing

With AreaShape

Marker: Cluster

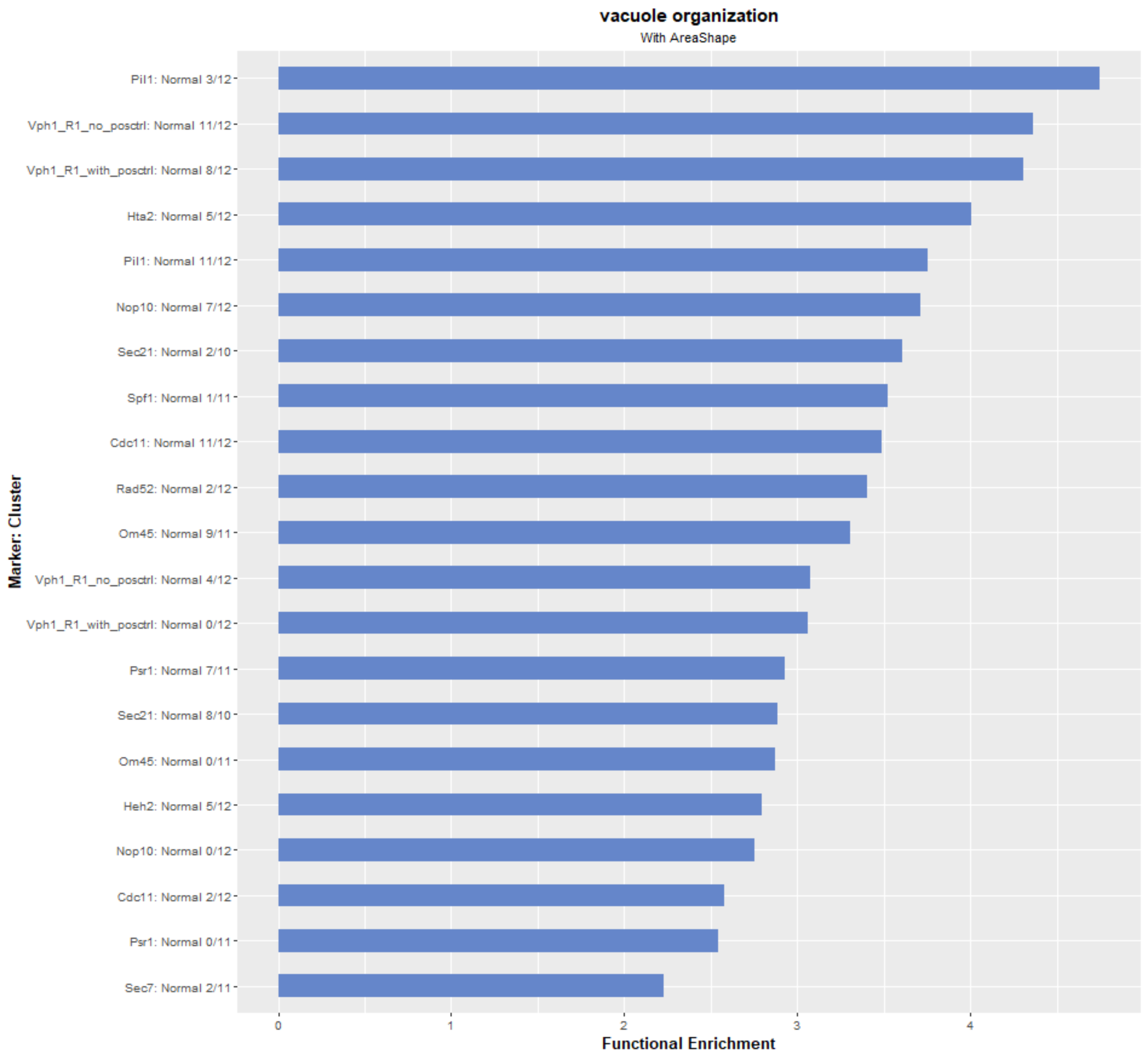
Rad52: Normal 7/12

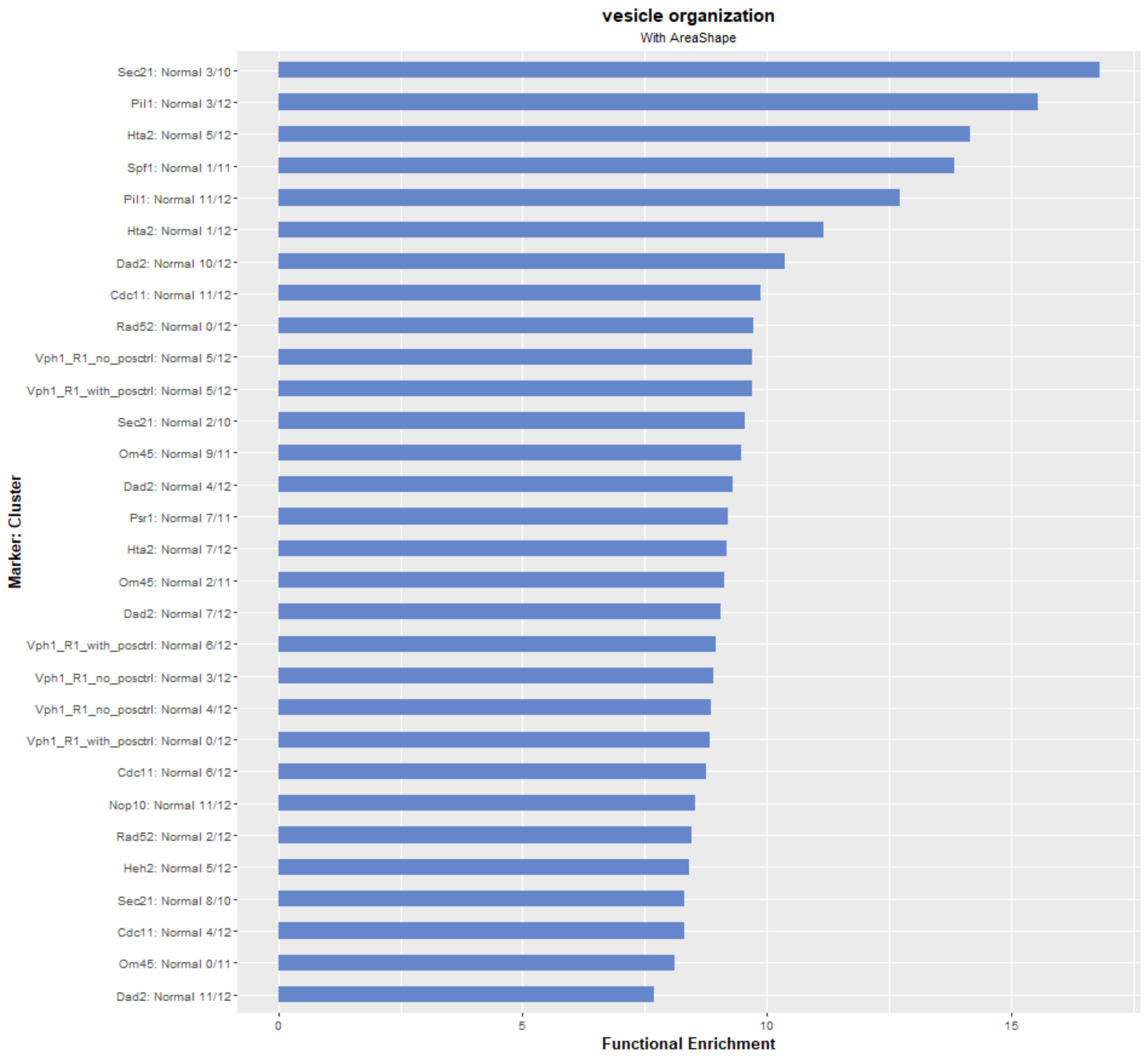
0

1

2

Functional Enrichment


vacuole organization
With AreaShape
Pil1: Normal 3/12
Vph1_R1_no_posctrl: Normal 11/12
Vph1_R1_with_posctrl: Normal 8/12
Hta2: Normal 5/12
Pil1: Normal 11/12
Nop10: Normal 7/12
Sec21: Normal 2/10
Spf1: Normal 1/11
Cdc11: Normal 11/12
Rad52: Normal 2/12
Om45: Normal 9/11
Vph1_R1_no_posctrl: Normal 4/12
Vph1_R1_with_posctrl: Normal 0/12
Psr1: Normal 7/11
Sec21: Normal 8/10
Om45: Normal 0/11
Heh2: Normal 5/12
Nop10: Normal 0/12
Cdc11: Normal 2/12
Psr1: Normal 0/11
Sec7: Normal 2/11
Marker: C
luster
0
1
2
3
4
Functional Enrichment


vesicle organization
With AreaShape
Cluster
Marker:
Sec21: Normal 3/10
Pil1: Normal 3/12
Hta2: Normal 5/12
Spf1: Normal 1/11
Pil1: Normal 11/12
Hta2: Normal 1/12
Dad2: Normal 10/12
Cdc11: Normal 11/12
Rad52: Normal 0/12
Vph1_R1_no_posctrl: Normal 5/12
Vph1_R1_with_posctrl: Normal 5/12
Sec21: Normal 2/10
Om45: Normal 9/11
Dad2: Normal 4/12
Psr1: Normal 7/11
Hta2: Normal 7/12
Om45: Normal 2/11
Dad2: Normal 7/12
Vph1_R1_with_posctrl: Normal 6/12
Vph1_R1_no_posctrl: Normal 3/12
Vph1_R1_no_posctrl: Normal 4/12
Vph1_R1_with_posctrl: Normal 0/12
Cdc11: Normal 6/12
Nop10: Normal 11/12
Rad52: Normal 2/12
Heh2: Normal 5/12
Sec21: Normal 8/10
Cdc11: Normal 4/12
Om45: Normal 0/11
Dad2: Normal 11/12
0
5
10
15
Functional Enrichment