cell cortex With CellCycle | With AreaShape | All Genes Cluster 38/42 Cluster 40/42 **Functional Enrichment**

cell cortex With CellCycle | With AreaShape | Essential Only Cluster 19/24 ż **Functional Enrichment**

cell cortex With CellCycle | With AreaShape | No Vesicle Cluster 10/41 -Cluster 37/41 -Cluster 41/41 -2 6 **Functional Enrichment**

cell cortex With CellCycle | With AreaShape | Nonessential Only Cluster 21/28 2 **Functional Enrichment**

cellular bud With CellCycle | With AreaShape | All Genes Cluster 11/42 -Cluster 40/42 Cluster 14/42 3 **Functional Enrichment**

cellular bud With CellCycle | With AreaShape | Essential Only Cluster 19/24 5 **Functional Enrichment**

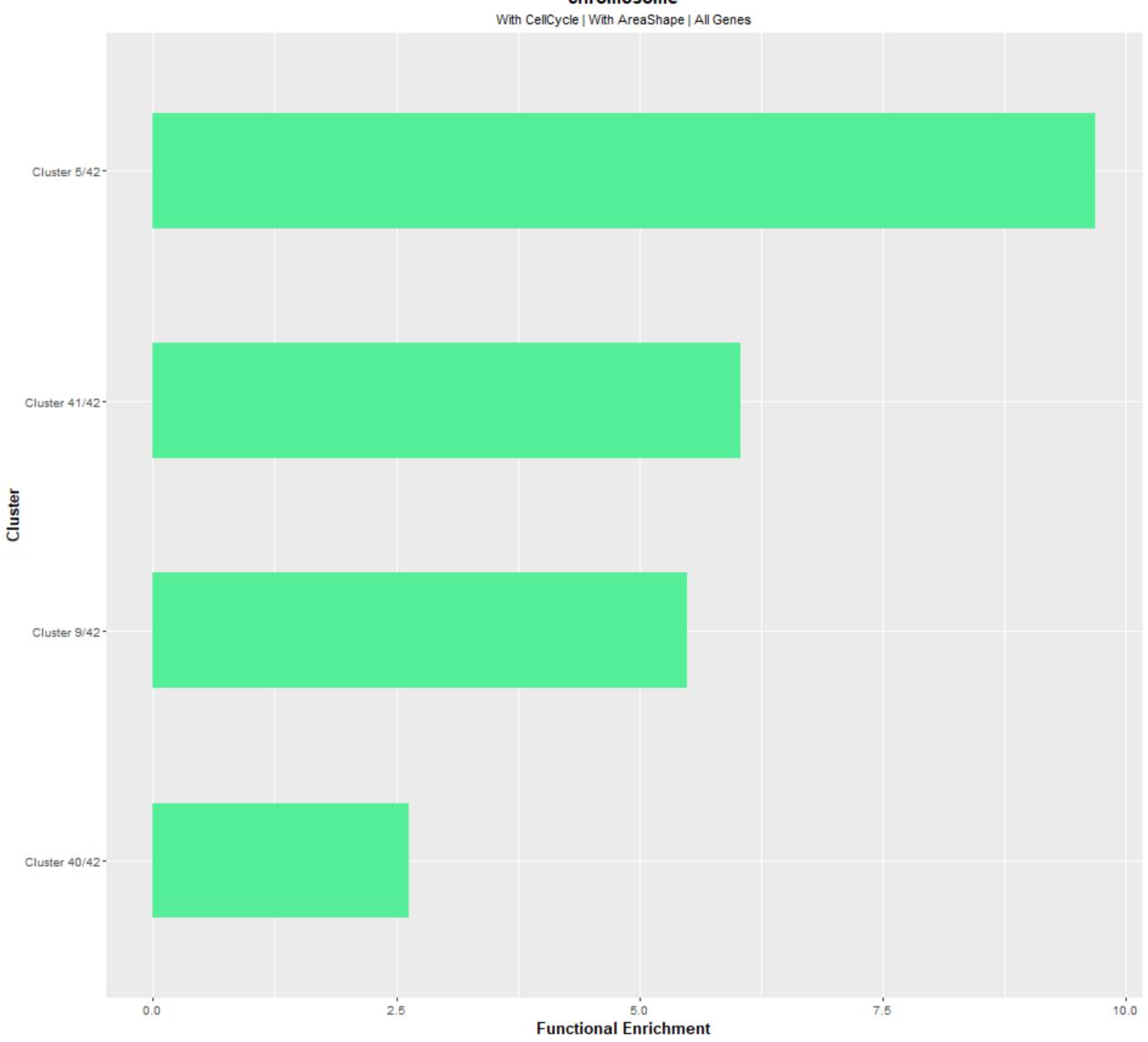
cellular bud With CellCycle | With AreaShape | No Vesicle Cluster 10/41 2 **Functional Enrichment**

cellular bud With CellCycle | With AreaShape | Nonessential Only Cluster 21/26 3 Functional Enrichment

cellular_component
With CellCycle | With AreaShape | Nonessential Only Cluster 1/28 ó 2

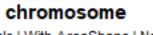
Functional Enrichment

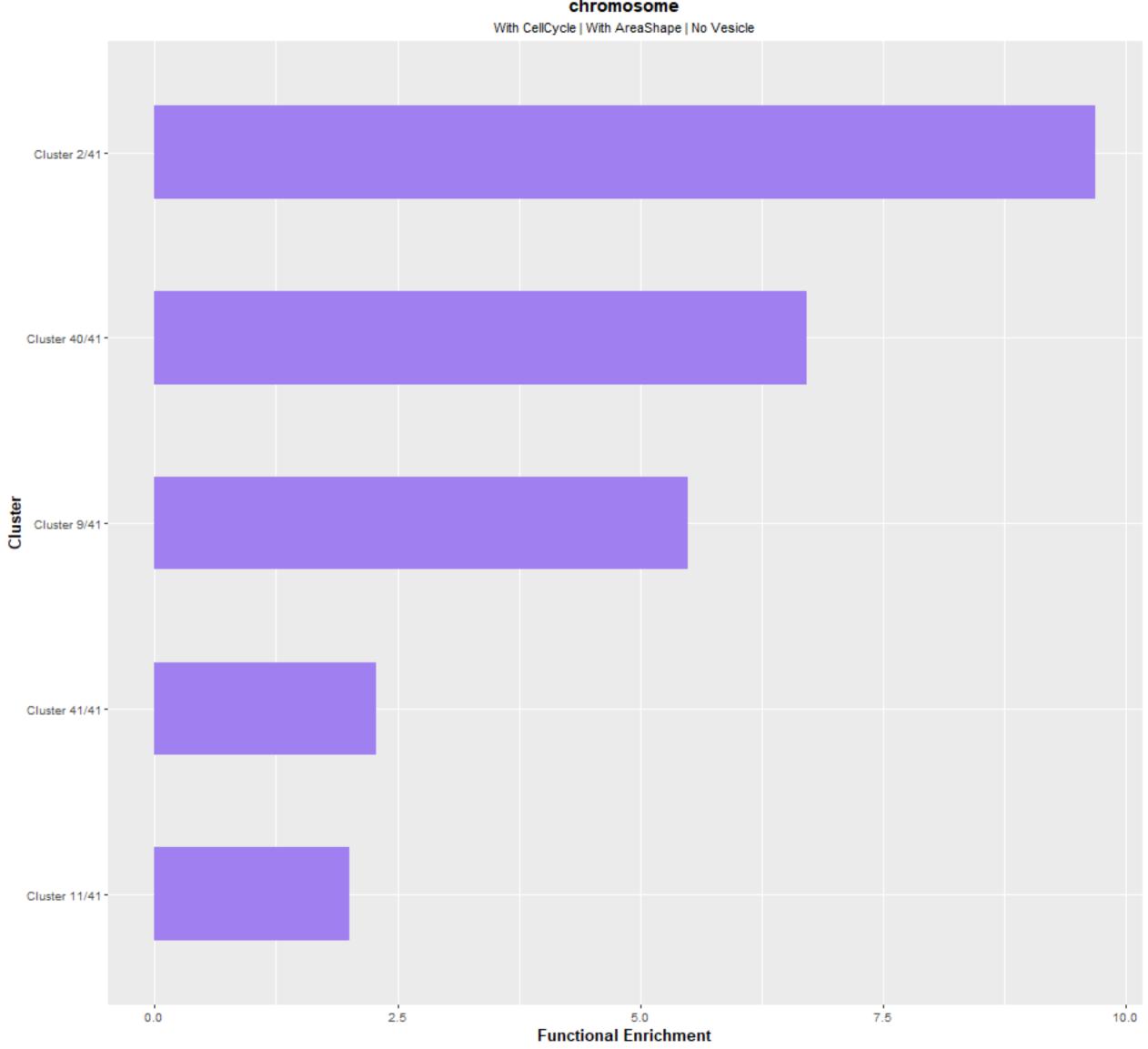




chromosome With CellCycle | With AreaShape | Essential Only Cluster 13/24 Cluster 20/24 Cluster 22/24 7.5 5.0 2.5 0.0 10.0

Functional Enrichment





chromosome With CellCycle | With AreaShape | Nonessential Only Cluster 19/26 -Cluster 21/26 -2 **Functional Enrichment**

cytoplasm With CellCycle | With AreaShape | All Genes Cluster 2/42 0.0 0.5 1.0 **Functional Enrichment**

cytoplasm With CellCycle | With AreaShape | No Vesicle Cluster 20/41 -1.0 0.0 0.5 **Functional Enrichment**

cytoplasm With CellCycle | With AreaShape | Nonessential Only Cluster 3/26 0.0 0.5 1.0 **Functional Enrichment**

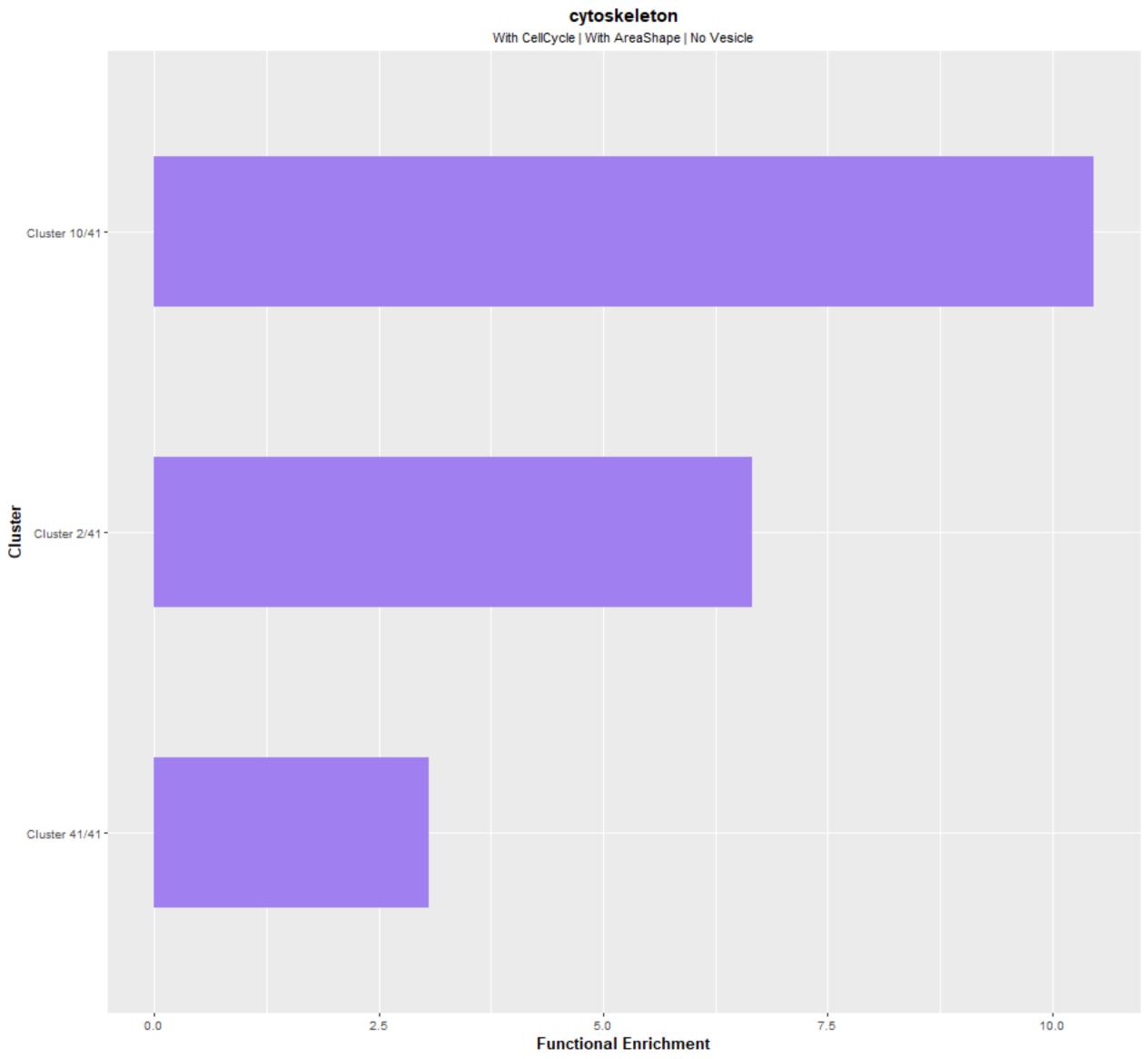
cytoplasmic vesicle With CellCycle | With AreaShape | All Genes Cluster 14/42 0.5 1.5 2.0 0.0 1.0 Functional Enrichment

cytoplasmic vesicle With CellCycle | With AreaShape | Essential Only Cluster 22/24 0.5 1.5 2.0 0.0 1.0 **Functional Enrichment**

cytoskeleton With CellCycle | With AreaShape | All Genes Cluster 11/42 -Cluster 5/42 Cluster Cluster 40/42 -Cluster 14/42 5.0 7.5 0.0 2.5 **Functional Enrichment**

cytoskeleton With CellCycle | With AreaShape | Essential Only Cluster 19/24 Cluster 13/24 7.5 2.5 5.0 10.0 0.0

Functional Enrichment



cytoskeleton With CellCycle | With AreaShape | Nonessential Only Cluster 21/28 **Functional Enrichment**

endomembrane system With CellCycle | With AreaShape | All Genes Cluster 14/42 0.0 0.5 1.5 1.0 **Functional Enrichment**

endomembrane system With CellCycle | With AreaShape | Essential Only Cluster 22/24 0.5 0.0 1.0 1.5 **Functional Enrichment**

endomembrane system With CellCycle | With AreaShape | No Vesicle Cluster 11/41 0.0 0.5 1.0 **Functional Enrichment**

Golgi apparatus With CellCycle | With AreaShape | All Genes Cluster 14/42 0.5 0.0 1.0 Functional Enrichment 1.5

Golgi apparatus
With CellCycle | With AreaShape | Essential Only Cluster 22/24

> 1.0 Functional Enrichment

0.5

0.0

2.0

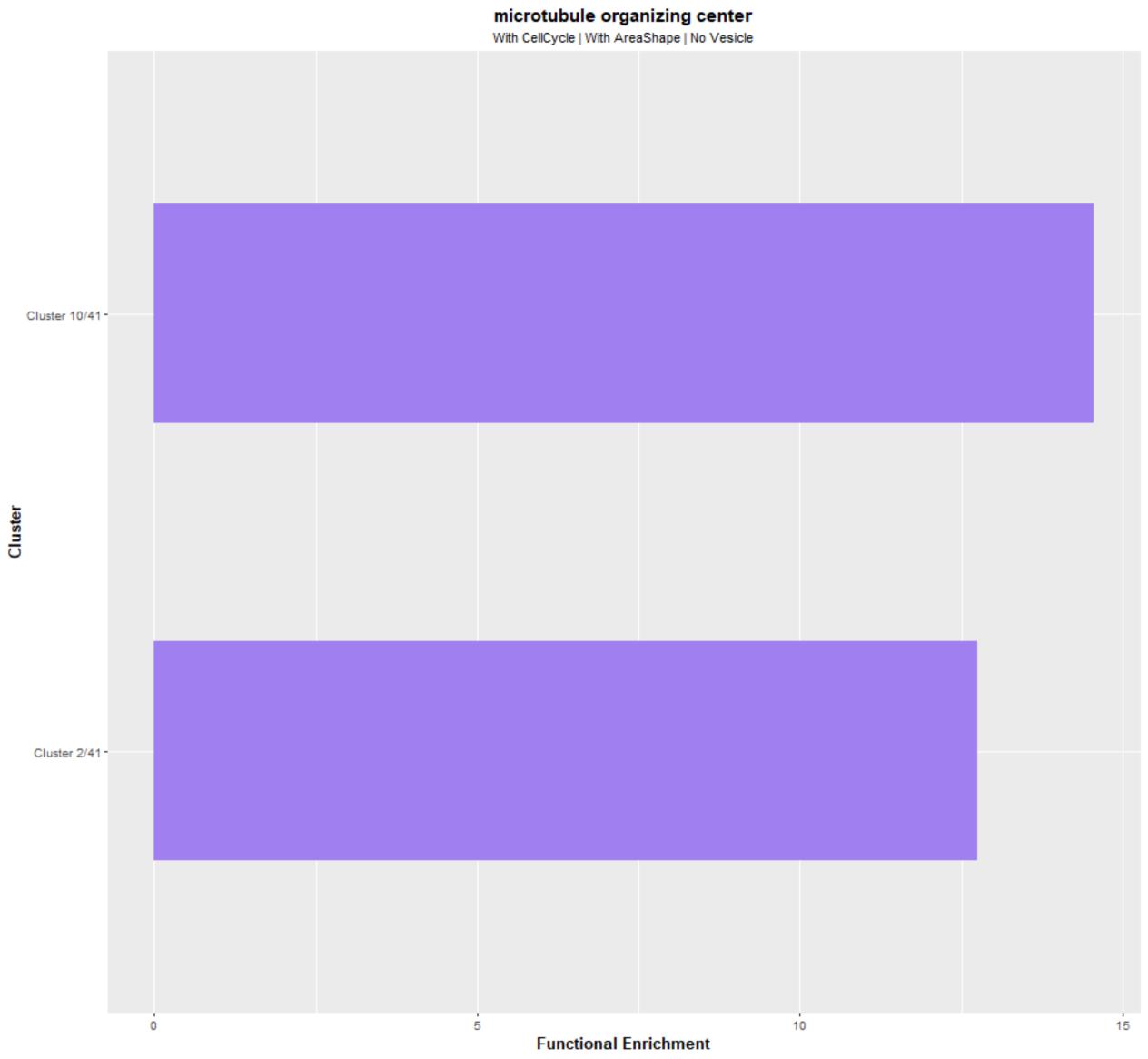
1.5

membrane With CellCycle | With AreaShape | All Genes Cluster 14/42 0.5 2.0 0.0 1.0 1.5 **Functional Enrichment**

membrane With CellCycle | With AreaShape | Essential Only Cluster 22/24 0.5 0.0 1.0 2.0 1.5 **Functional Enrichment**

microtubule organizing center With CellCycle | With AreaShape | All Genes Cluster 5/42 Cluster Cluster 11/42 10 **Functional Enrichment**

microtubule organizing center With CellCycle | With AreaShape | Essential Only Cluster 13/24 Cluster 19/24 10 5 15 **Functional Enrichment**



mitochondrial envelope With CellCycle | With AreaShape | All Genes Cluster 28/42 3 ż **Functional Enrichment**

mitochondrial envelope With CellCycle | With AreaShape | No Vesicle Cluster 29/41 ż 3 **Functional Enrichment**

mitochondrial envelope With CellCycle | With AreaShape | Nonessential Only Cluster 3/26 -Cluster 12/26 3

Functional Enrichment

mitochondrion With CellCycle | With AreaShape | All Genes Cluster 28/42 0.5 0.0 1.0 2.0 1.5 **Functional Enrichment**

mitochondrion With CellCycle | With AreaShape | No Vesicle Cluster 29/41 -0.5 1.0 2.0 0.0 1.5 **Functional Enrichment**

mitochondrion With CellCycle | With AreaShape | Nonessential Only Cluster 12/28 0.5 1.5 1.0 2.0 0.0 **Functional Enrichment**

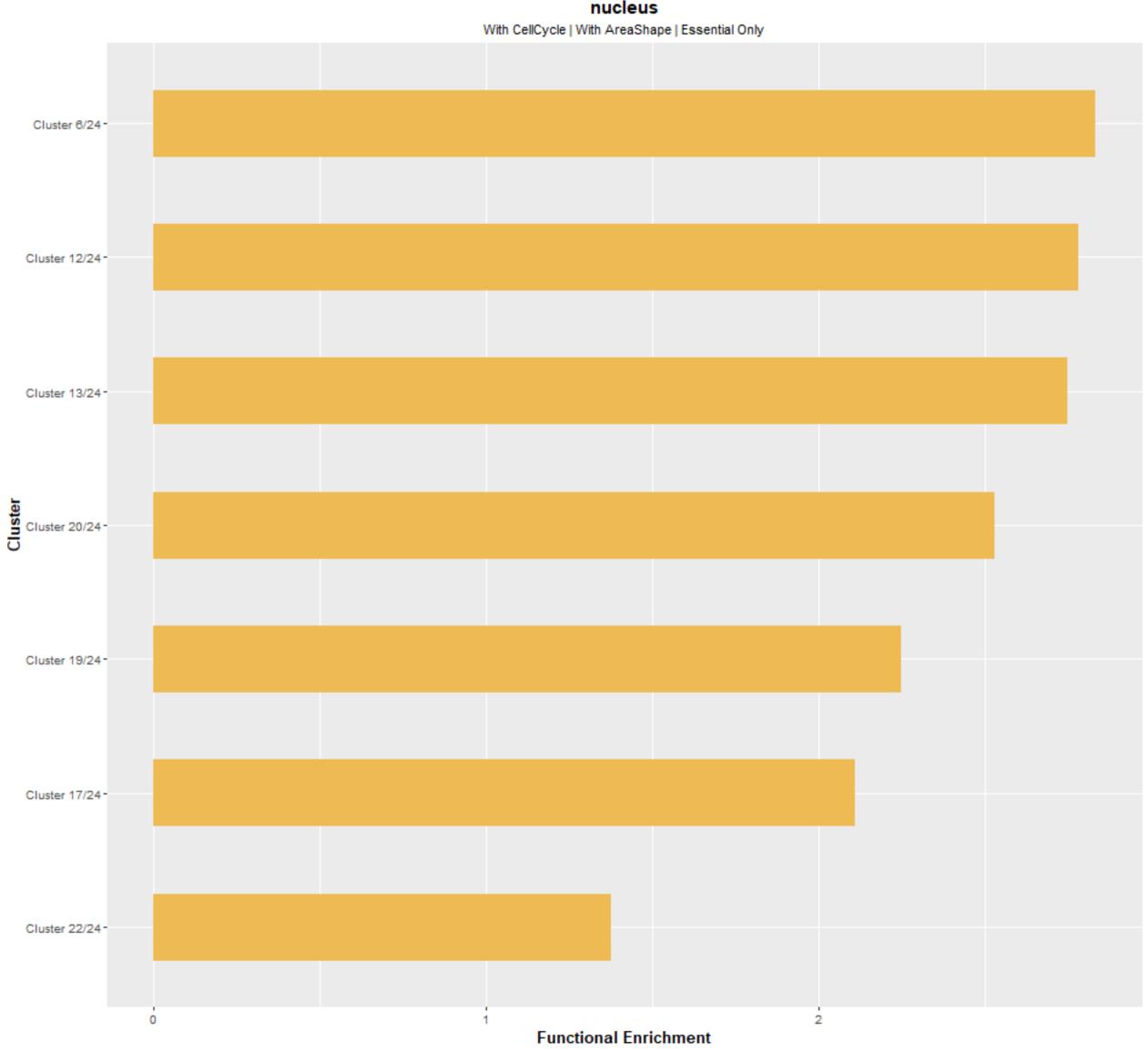
nucleolus With CellCycle | With AreaShape | All Genes Cluster 15/42 Cluster 9/42 Cluster Cluster 8/42 Cluster 34/42 5 10 **Functional Enrichment**

nucleolus With CellCycle | With AreaShape | Essential Only Cluster 12/24 Cluster 20/24 -Cluster 6/24 Cluster 17/24 5 10 20 15 **Functional Enrichment**

nucleolus With CellCycle | With AreaShape | No Vesicle Cluster 13/41 -Cluster 9/41 -Cluster 7/41 -Cluster 35/41 -Cluster 11/41 -5 10 **Functional Enrichment**

nucleus With CellCycle | With AreaShape | All Genes Cluster 15/42 Cluster 5/42 Cluster 9/42 Cluster 41/42 Cluster 11/42 Cluster 8/42 Cluster 14/42 2 **Functional Enrichment**

nucleus



nucleus With CellCycle | With AreaShape | No Vesicle Cluster 13/41 -Cluster 2/41 Cluster 9/41 Cluster Cluster 40/41 Cluster 11/41 -Cluster 7/41 -2 **Functional Enrichment**

nucleus With CellCycle | With AreaShape | Nonessential Only Cluster 19/26 0.5 1.5 0.0 1.0 2.0 **Functional Enrichment**

ribosome With CellCycle | With AreaShape | Nonessential Only Cluster 13/28-0.5 2.0 0.0 1.0 1.5 **Functional Enrichment**

site of polarized growth With CellCycle | With AreaShape | All Genes Cluster 40/42 Cluster Cluster 14/42 2 **Functional Enrichment**

site of polarized growth With CellCycle | With AreaShape | Essential Only Cluster 19/24 Cluster 22/24 **Functional Enrichment**

site of polarized growth With CellCycle | With AreaShape | No Vesicle Cluster 10/41 **Functional Enrichment**

site of polarized growth With CellCycle | With AreaShape | Nonessential Only Cluster 21/28 **Functional Enrichment**