cell cortex Without CellCycle | With AreaShape | All Genes Cluster 30/40 -Cluster 14/40 -Cluster 27/40 -3 **Functional Enrichment** 

cell cortex Without CellCycle | With AreaShape | Essential Only Cluster 25/26 2 **Functional Enrichment** 

cell cortex Without CellCycle | With AreaShape | No Vesicle Cluster 29/39 -Cluster 26/39 -3 **Functional Enrichment** 

cell cortex Without CellCycle | With AreaShape | Nonessential Only Cluster 16/23 -Cluster 10/23 3 **Functional Enrichment** 

cellular bud Without CellCycle | With AreaShape | All Genes Cluster 30/40 -Cluster Cluster 14/40 -3 **Functional Enrichment** 

cellular bud Without CellCycle | With AreaShape | Essential Only Cluster 25/26 0.5 1.5 2.0 0.0 1.0 **Functional Enrichment** 

cellular bud Without CellCycle | With AreaShape | No Vesicle Cluster 29/39 3 **Functional Enrichment** 

cellular bud Without CellCycle | With AreaShape | Nonessential Only Cluster 16/23 3 **Functional Enrichment** 

chromosome Without CellCycle | With AreaShape | All Genes Cluster 13/40 -Cluster 29/40 -2 **Functional Enrichment** 

chromosome Without CellCycle | With AreaShape | Essential Only Cluster 23/26 2.5 7.5 5.0 0.0 **Functional Enrichment** 

chromosome Without CellCycle | With AreaShape | No Vesicle Cluster 28/39 -Cluster 4/39 **Functional Enrichment** 

cytoplasm Without CellCycle | With AreaShape | All Genes Cluster 18/40 -0.5 0.0 1.0 **Functional Enrichment** 

cytoplasm Without CellCycle | With AreaShape | No Vesicle Cluster 17/39 1.0 0.0 0.5 **Functional Enrichment** 

cytoplasm
Without CellCycle | With AreaShape | Nonessential Only Cluster 20/23 0.5 0.0 1.0 **Functional Enrichment** 

cytoplasmic vesicle Without CellCycle | With AreaShape | All Genes Cluster 14/40 -3 **Functional Enrichment** 

cytoplasmic vesicle Without CellCycle | With AreaShape | Essential Only Cluster 25/28 ż

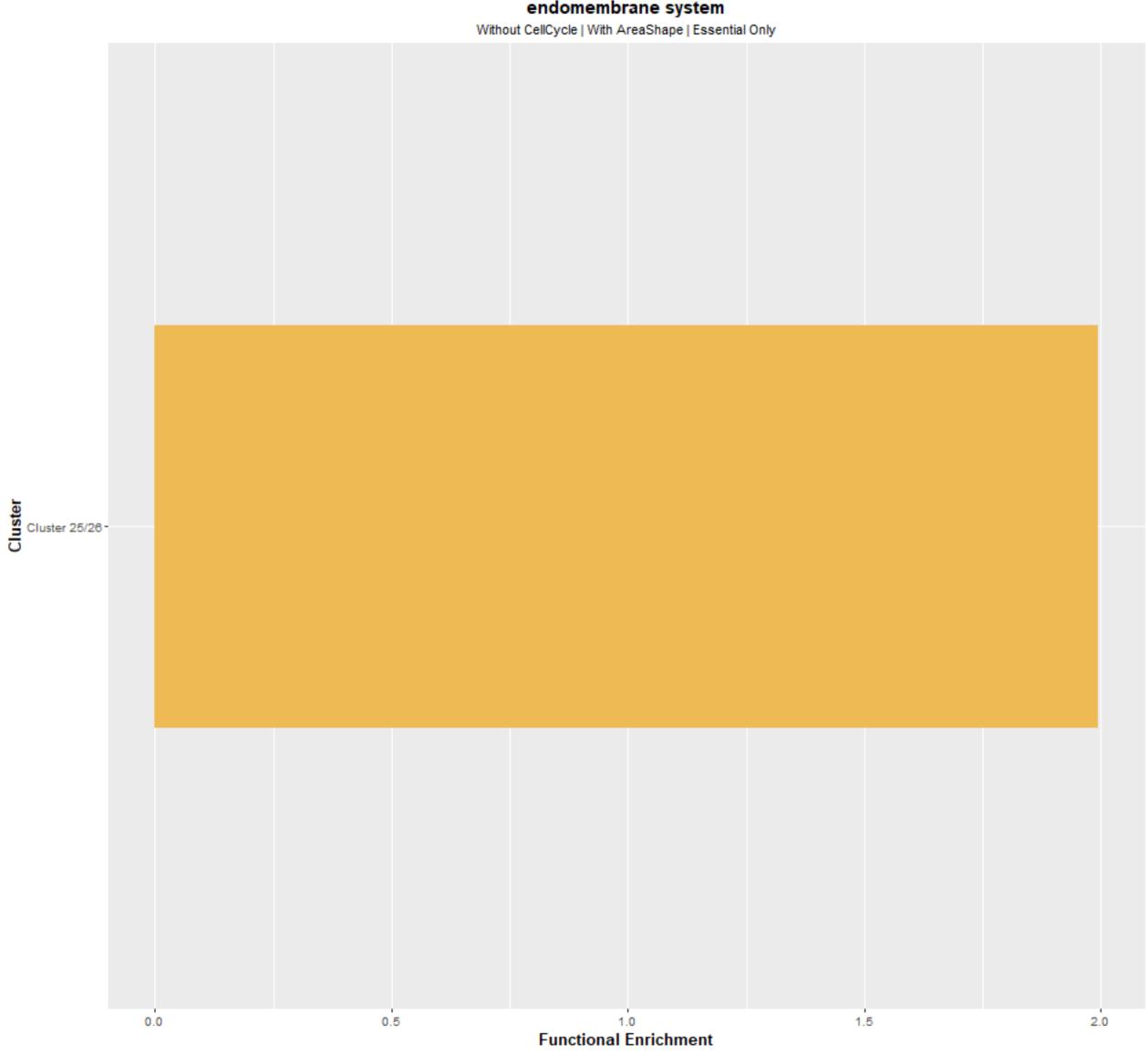
cytoskeleton Without CellCycle | With AreaShape | All Genes Cluster 13/40 -Cluster 14/40 -Cluster 27/40 -5 **Functional Enrichment** 

cytoskeleton Without CellCycle | With AreaShape | Essential Only Cluster 23/26 -Cluster 25/26 -2 **Functional Enrichment** 

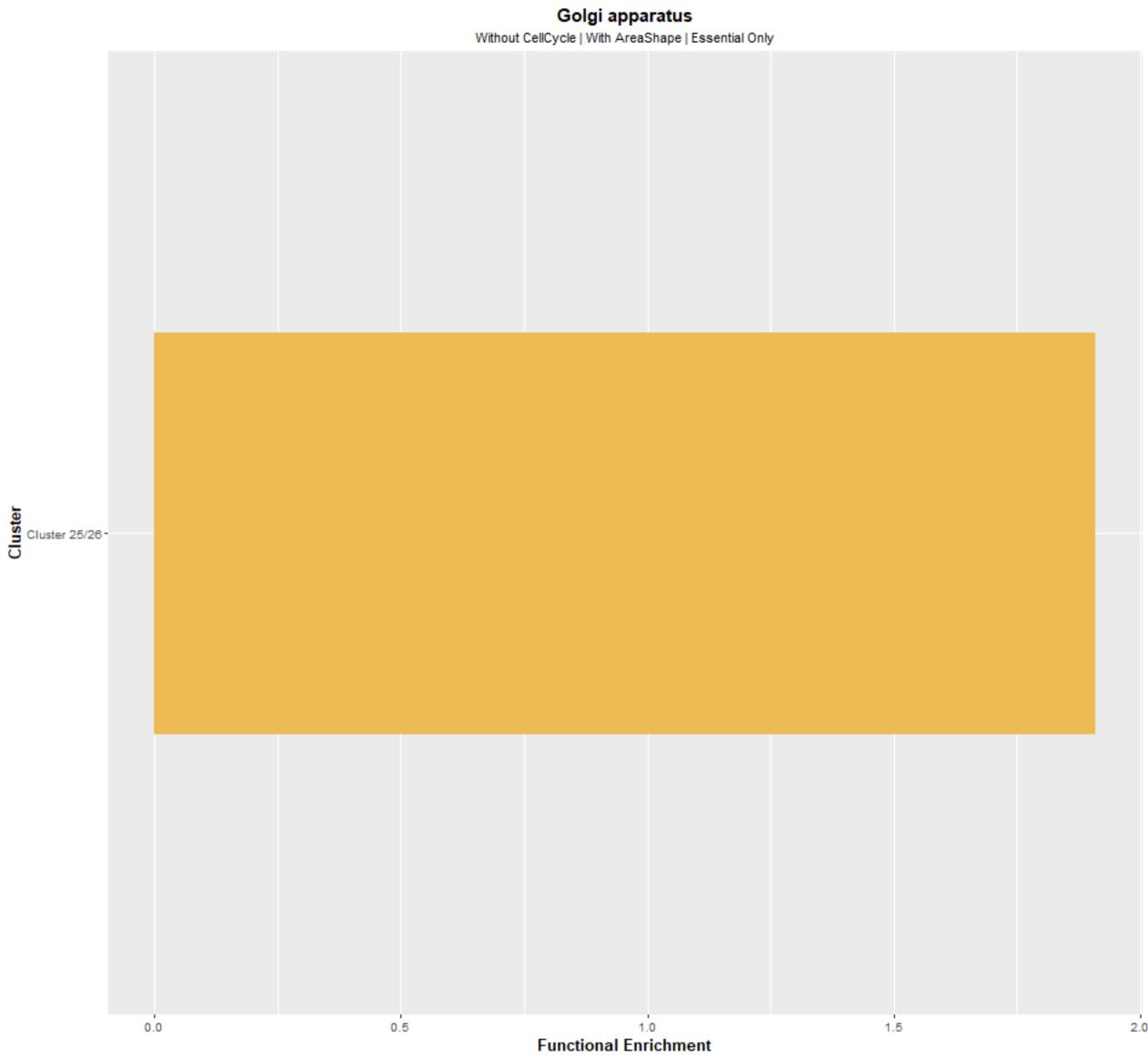
cytoskeleton Without CellCycle | With AreaShape | No Vesicle Cluster 4/39 -Cluster Cluster 26/39 -3 **Functional Enrichment** 

endomembrane system Without CellCycle | With AreaShape | All Genes Cluster 14/40 -0.0 0.5 2.0 1.0 1.5 **Functional Enrichment** 

endomembrane system



Golgi apparatus Without CellCycle | With AreaShape | All Genes Cluster 14/40 -0.5 2.0 0.0 1.0 1.5 **Functional Enrichment** 



membrane Without CellCycle | With AreaShape | All Genes Cluster 14/40 -3 **Functional Enrichment** 

membrane Without CellCycle | With AreaShape | Essential Only Cluster 25/26 2 **Functional Enrichment** 

## microtubule organizing center Without CellCycle | With AreaShape | All Genes Cluster 13/40 -2 6 **Functional Enrichment**

## microtubule organizing center Without CellCycle | With AreaShape | Essential Only Cluster 23/26 3 12 **Functional Enrichment**

microtubule organizing center
Without CellCycle | With AreaShape | No Vesicle Cluster 4/39 **Functional Enrichment** 

mitochondrial envelope Without CellCycle | With AreaShape | All Genes Cluster 20/40 -3 **Functional Enrichment** 

mitochondrial envelope Without CellCycle | With AreaShape | No Vesicle Cluster 19/39 3 **Functional Enrichment** 

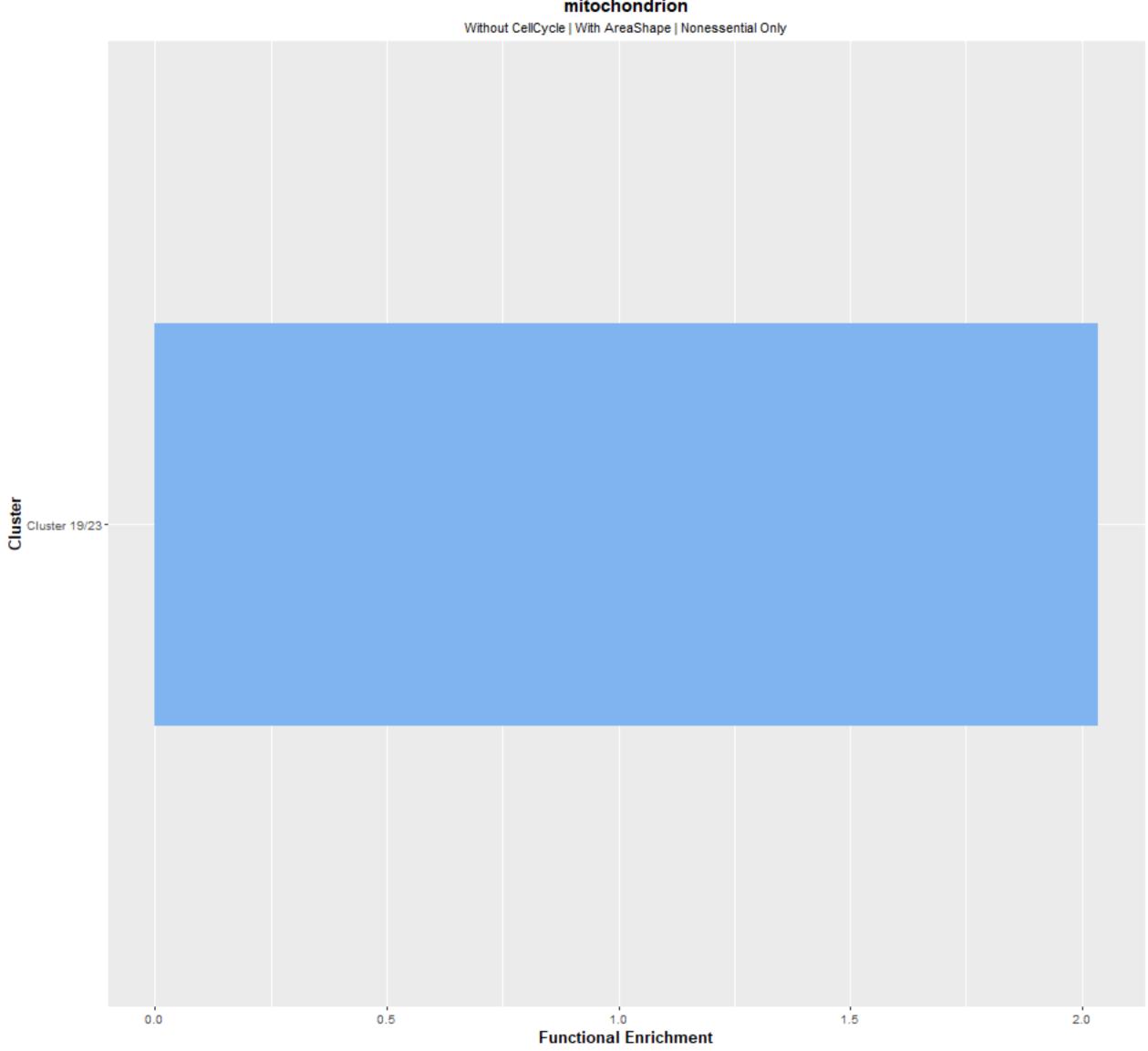
## mitochondrial envelope

Without CellCycle | With AreaShape | Nonessential Only Cluster 20/23 -Cluster 19/23 3 **Functional Enrichment** 

mitochondrion Without CellCycle | With AreaShape | All Genes Cluster 20/40 -0.5 0.0 1.0 1.5 2.0 Functional Enrichment

mitochondrion Without CellCycle | With AreaShape | No Vesicle Cluster 19/39 0.5 0.0 1.0 1.5 2.0 Functional Enrichment

mitochondrion



nucleolus Without CellCycle | With AreaShape | All Genes Cluster 7/40 -Cluster 34/40 -Cluster Cluster 17/40 -Cluster 11/40 -**Functional Enrichment** 

nucleolus Without CellCycle | With AreaShape | Essential Only Cluster 20/26 -Cluster 19/26 -2 **Functional Enrichment** 

nucleolus Without CellCycle | With AreaShape | No Vesicle Cluster 15/39 -Cluster 33/39 Cluster Cluster 7/39 -Cluster 3/39 -**Functional Enrichment** 

nucleus Without CellCycle | With AreaShape | All Genes Cluster 13/40 -Cluster 11/40 -Cluster 6/40 -Cluster 8/40 -Cluster Cluster 7/40 -Cluster 29/40 -Cluster 17/40 -Cluster 14/40 -

0.0

0.5

1.0 1.5 2.0 2.5
Functional Enrichment

nucleus Without CellCycle | With AreaShape | Essential Only Cluster 23/26 -Cluster 20/26 -Cluster 10/26 -Cluster Cluster 8/26 -Cluster 19/26 -Cluster 25/26 -

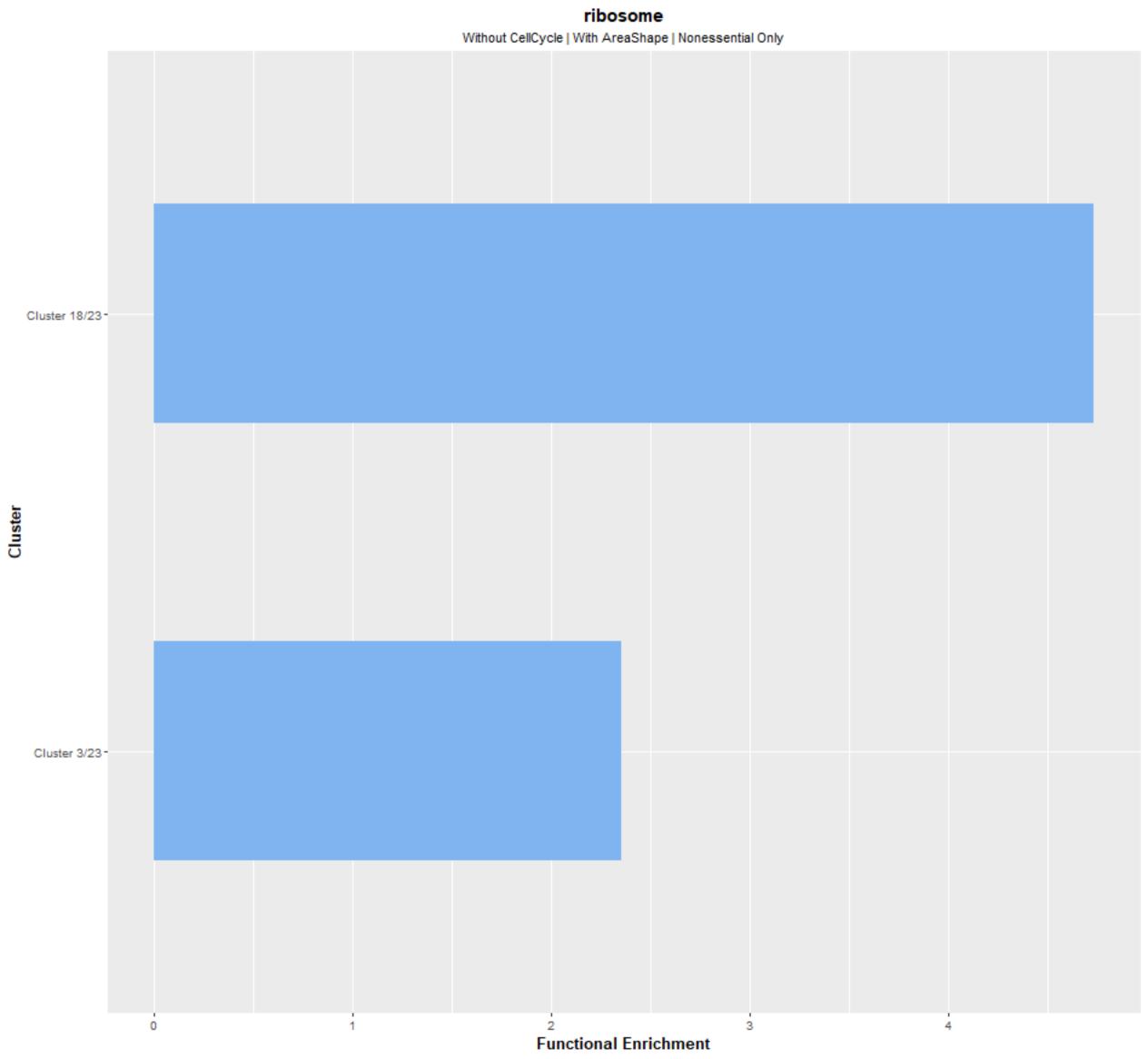
2

nucleus Without CellCycle | With AreaShape | No Vesicle Cluster 3/39 -Cluster 14/39 -Cluster 16/39 -Cluster 4/39 Cluster 15/39 -Cluster 28/39 Cluster 7/39 -0.5 1.0 2.0 0.0 1.5 **Functional Enrichment** 

nucleus Without CellCycle | With AreaShape | Nonessential Only Cluster 21/23 2.5 0.5 1.0 2.0 0.0 1.5 Functional Enrichment

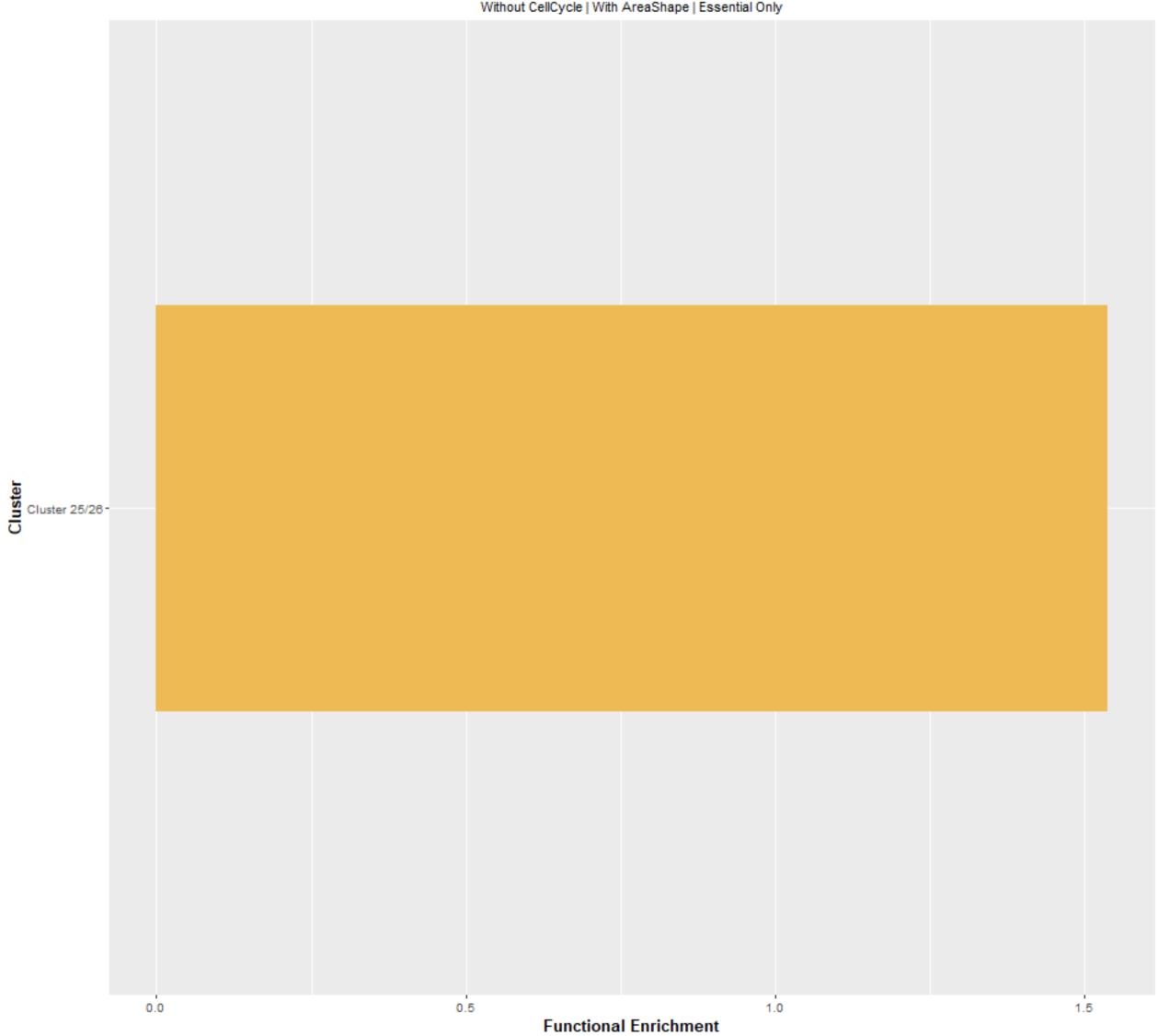
ribosome Without CellCycle | With AreaShape | All Genes Cluster 34/40 -3 Functional Enrichment

ribosome Without CellCycle | With AreaShape | No Vesicle Cluster 33/39 3 Functional Enrichment



## site of polarized growth Without CellCycle | With AreaShape | All Genes Cluster 30/40 -Cluster 14/40 -3 **Functional Enrichment**

## site of polarized growth Without CellCycle | With AreaShape | Essential Only



site of polarized growth Without CellCycle | With AreaShape | No Vesicle Cluster 29/39 3 Functional Enrichment

## site of polarized growth

