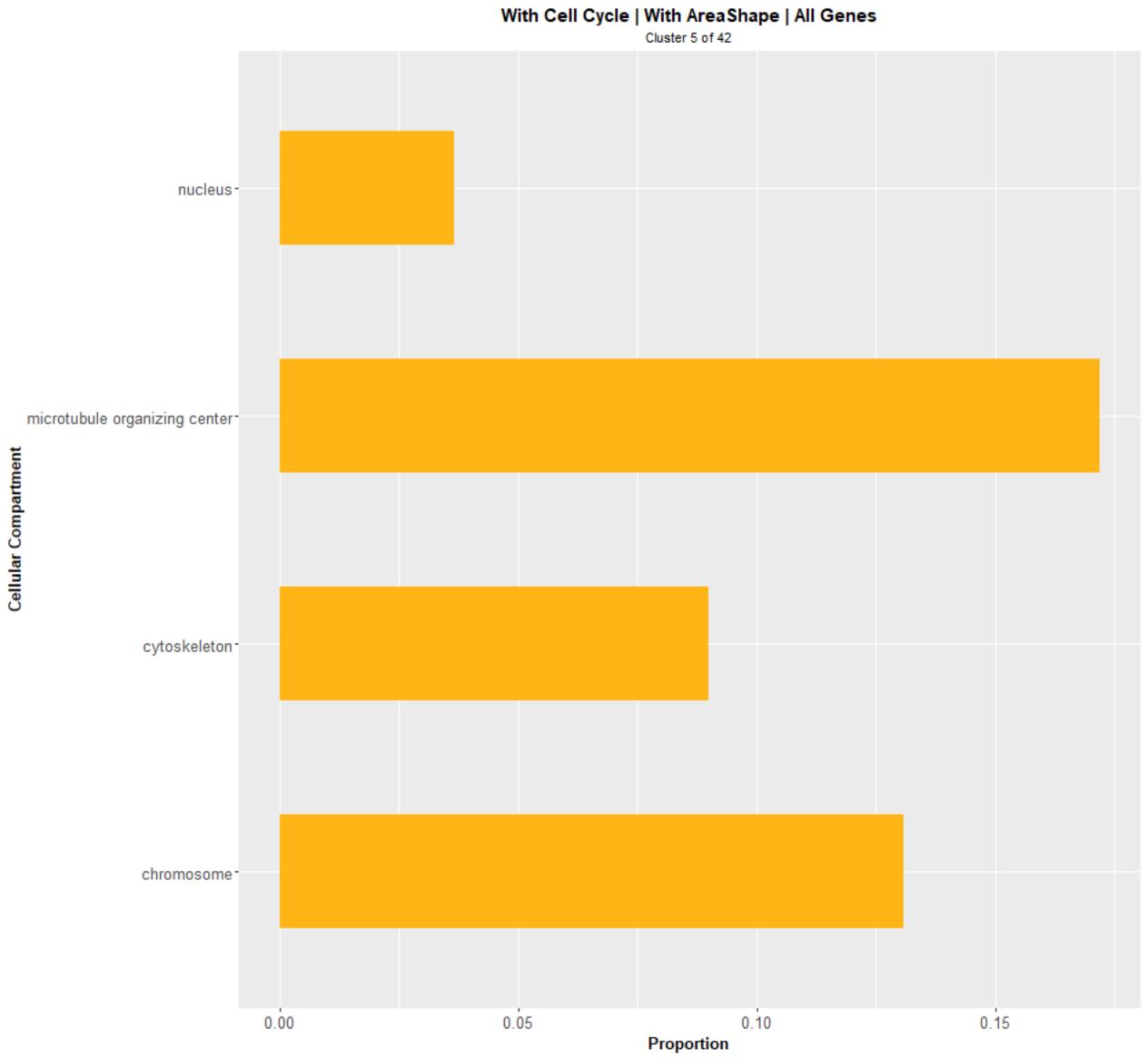
# With Cell Cycle | With AreaShape | All Genes Cluster 2 of 42 Cellular Compartment 0.005 0.000 0.010 Proportion



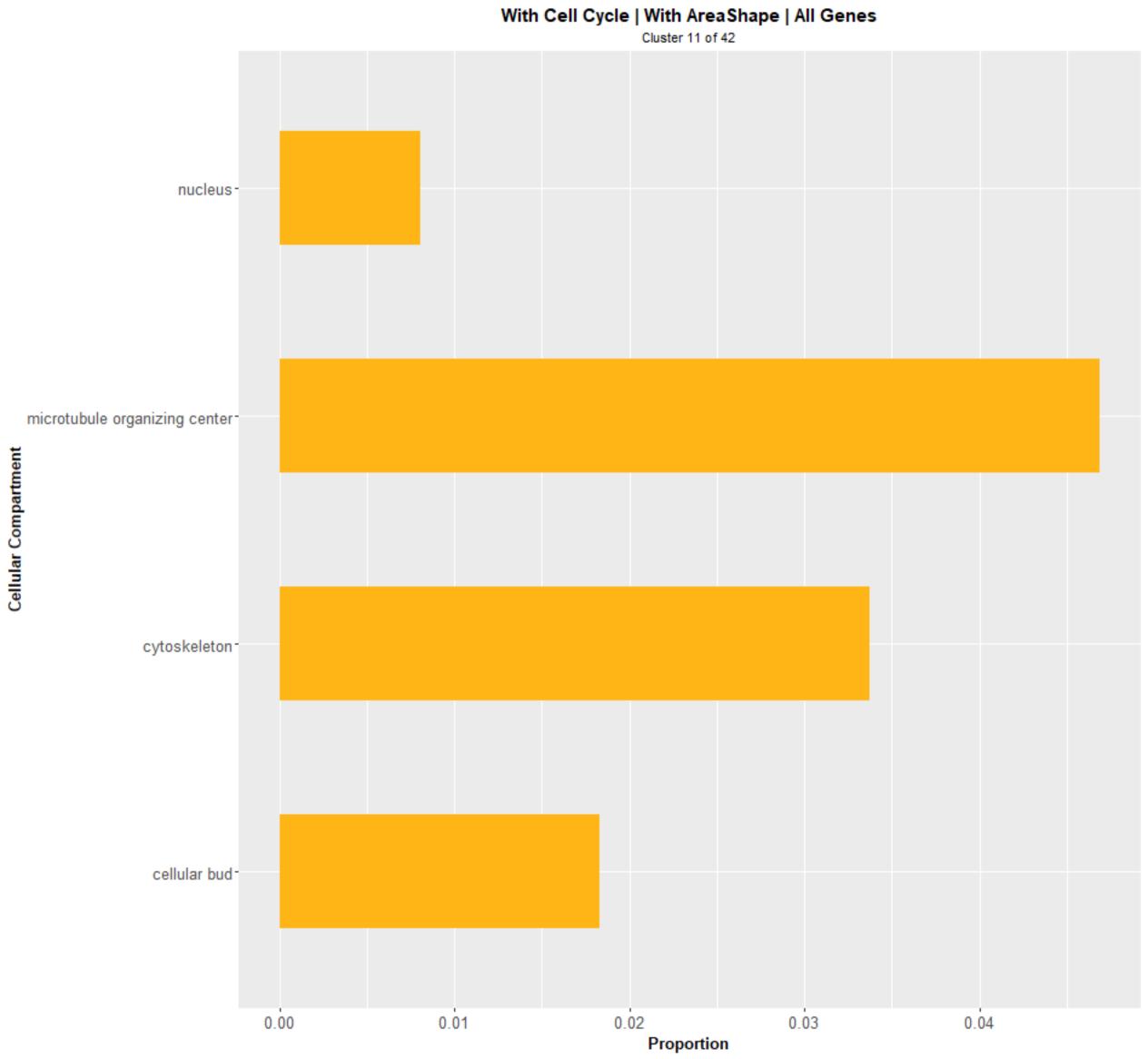
#### With Cell Cycle | With AreaShape | All Genes Cluster 5 of 42 telomere organization regulation of organelle organization regulation of DNA metabolic\_ regulation of cell cycle proteolysis involved in cellular protein catabolicprocess protein modification by small\_ protein conjugation or removal protein complex biogenesis **Biological Process** organelle fission mitotic cell cycle meiotic cell cycle -DNA replication -DNA repair -DNA recombination cytoskeleton organization chromosome segregation chromatin organization cellular response to DNA damage stimulus 0.05 0.10 0.15 0.20 0.00 Proportion

## With Cell Cycle | With AreaShape | All Genes Cluster 8 of 42 nucleus-Cellular Compartment nucleolus-0.02 0.04 0.06 0.00 Proportion

With Cell Cycle | With AreaShape | All Genes Cluster 8 of 42 tRNA aminoacylation for \_ protein translation transcription from RNA polymerase III promoter rRNA processing RNA splicing ribosomal subunit export from nucleus Biological Process ribosomal small subunit biogenesis ribosomal large subunit biogenesis nuclear transport mRNA processing -DNA repair DNA-templated transcription, termination cytoskeleton organization -0.00 0.05 0.10 0.15 Proportion

## With Cell Cycle | With AreaShape | All Genes Cluster 9 of 42 nucleus -Cellular Compartment nucleolus chromosome-0.01 0.00 0.02 Proportion

## With Cell Cycle | With AreaShape | All Genes Cluster 9 of 42 snoRNA processing -Biological Process rRNA processing -0.04 0.02 0.00 0.08 Proportion



With Cell Cycle | With AreaShape | All Genes Cluster 11 of 42 transcription from RNA\_ polymerase III promoter ribosomal subunit export from nucleus organelle fission -Biological Process organelle assembly mitotic cell cycle cytoskeleton organization cytokinesis -0.04 0.00 0.02 0.06 0.08 Proportion

#### With Cell Cycle | With AreaShape | All Genes Cluster 14 of 42 site of polarized growth nucleusmembrane-Golgi apparatus -Cellular Compartment endoplasmic reticulum endomembrane system cytoskeletoncytoplasmic vesiclecellular bud-0.05 0.10 0.00 Proportion

With Cell Cycle | With AreaShape | All Genes Cluster 14 of 42 vesicle organization translational initiation transcription from RNA polymerase II promoter snoRNA processing -RNA splicing ribosomal subunit export from nucleus protein targeting protein lipidation protein complex biogenesis peptidyl-amino acid\_ modification organelle inheritance organelle fusion nucleus organization nucleobase-containing compound\_ transport nuclear transport mRNA processing membrane fusion lipid metabolic process Golgi vesicle transport exocytosis -DNA-templated transcription, termination DNA-templated transcription, initiation DNA-templated transcription, elongation

0.2

Proportion

0.3

0.4

**Biological Process** 

cytoskeleton organization -

0.0

0.1

## With Cell Cycle | With AreaShape | All Genes Cluster 15 of 42 nucleus-Cellular Compartment nucleolus-0.01 0.02 0.00 Proportion

With Cell Cycle | With AreaShape | All Genes Cluster 15 of 42 transcription from RNA\_ polymerase III promoter Biological Process transcription from RNA\_ polymerase I promoter snoRNA processing 0.04 0.00 0.02 0.06 Proportion

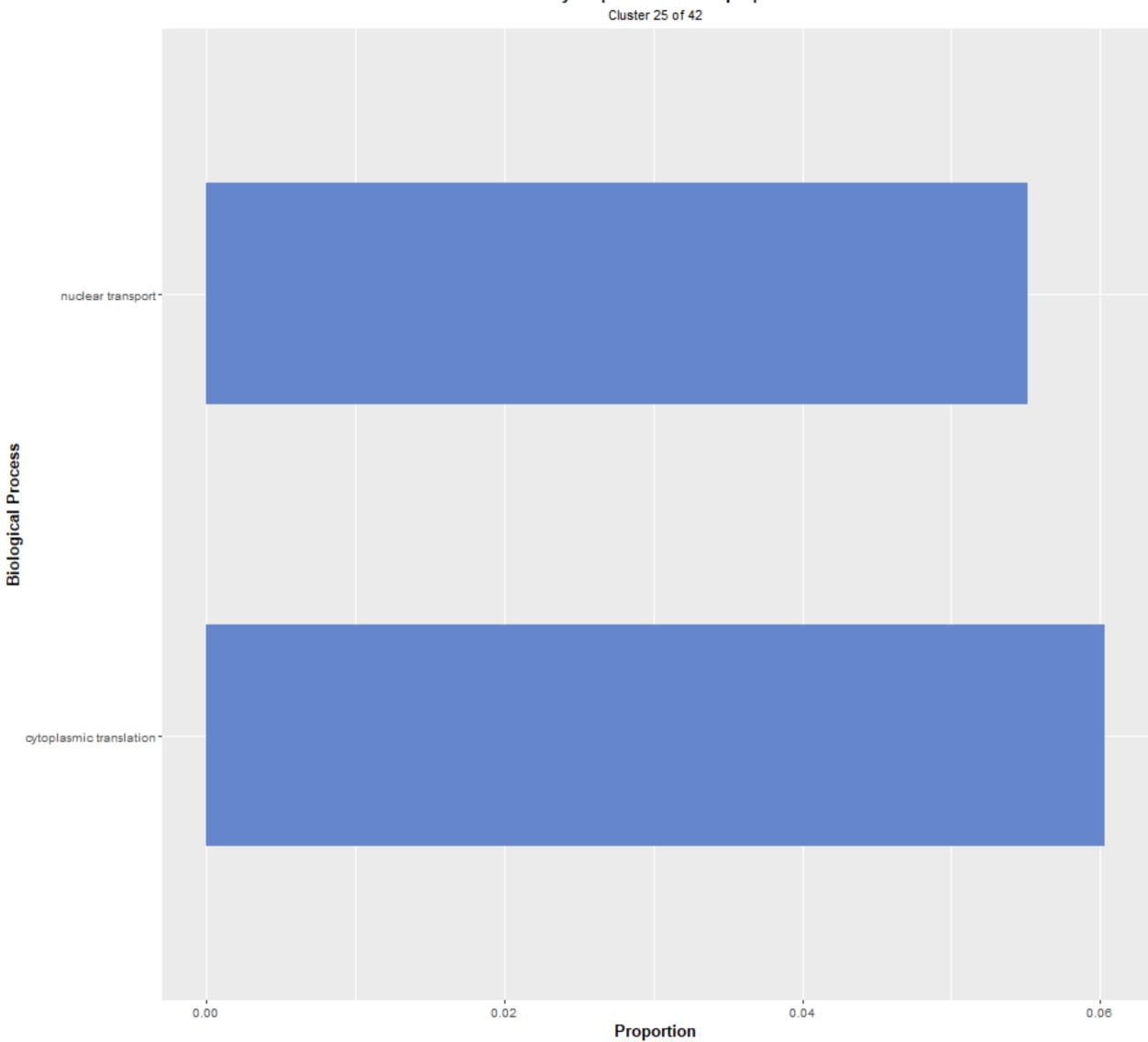
### With Cell Cycle | With AreaShape | All Genes Cluster 19 of 42 transcription from RNA\_ polymerase II promoter Biological Process DNA-templated transcription, initiation 0.00 0.02 0.04 0.06 Proportion

With Cell Cycle | With AreaShape | All Genes Cluster 21 of 42 Biological Process

Les and Le 0.02 0.06 0.00 0.04 Proportion

With Cell Cycle | With AreaShape | All Genes Cluster 23 of 42 Diological 0.02 0.00 0.01 0.03 0.04 Proportion

# With Cell Cycle | With AreaShape | All Genes Cluster 25 of 42



# With Cell Cycle | With AreaShape | All Genes Cluster 27 of 42 Cellular Compartment 0.000 0.025 0.050 0.075 Proportion

#### With Cell Cycle | With AreaShape | All Genes Cluster 27 of 42 regulation of transportprotein alkylation Biological Process histone modification chromatin organization -0.10 0.00 0.05 0.15 Proportion

## With Cell Cycle | With AreaShape | All Genes Cluster 28 of 42 mitochondrion-Cellular Compartment mitochondrial envelope-0.02 0.06 0.00 0.04 Proportion

#### With Cell Cycle | With AreaShape | All Genes Cluster 28 of 42 transcription from RNA polymerase I promoter response to heatnucleobase-containing small\_ molecule metabolic process mitochondrion organization -Biological Process mitochondrial translation ion transport invasive growth in response to glucose limitation cofactor metabolic process carbohydrate metabolic process 0.00 0.04 0.08 0.12 Proportion

#### With Cell Cycle | With AreaShape | All Genes Cluster 29 of 42 translational elongation transcription from RNA polymerase II promoter Process regulation of translation protein acylation protein acylation endosomal transport cytoplasmic translation -0.10 0.00 0.05 0.15 0.20 Proportion

With Cell Cycle | With AreaShape | All Genes Cluster 32 of 42 Biological Process
Lesponse to starvation 0.02 0.05 0.03 0.00 0.01 0.04 Proportion

# With Cell Cycle | With AreaShape | All Genes Cluster 34 of 42 Cellular Compartment 0.02 0.00 0.04 0.06 Proportion

# With Cell Cycle | With AreaShape | All Genes Cluster 34 of 42 Biological Process 0.02 0.04 0.00 0.06 Proportion

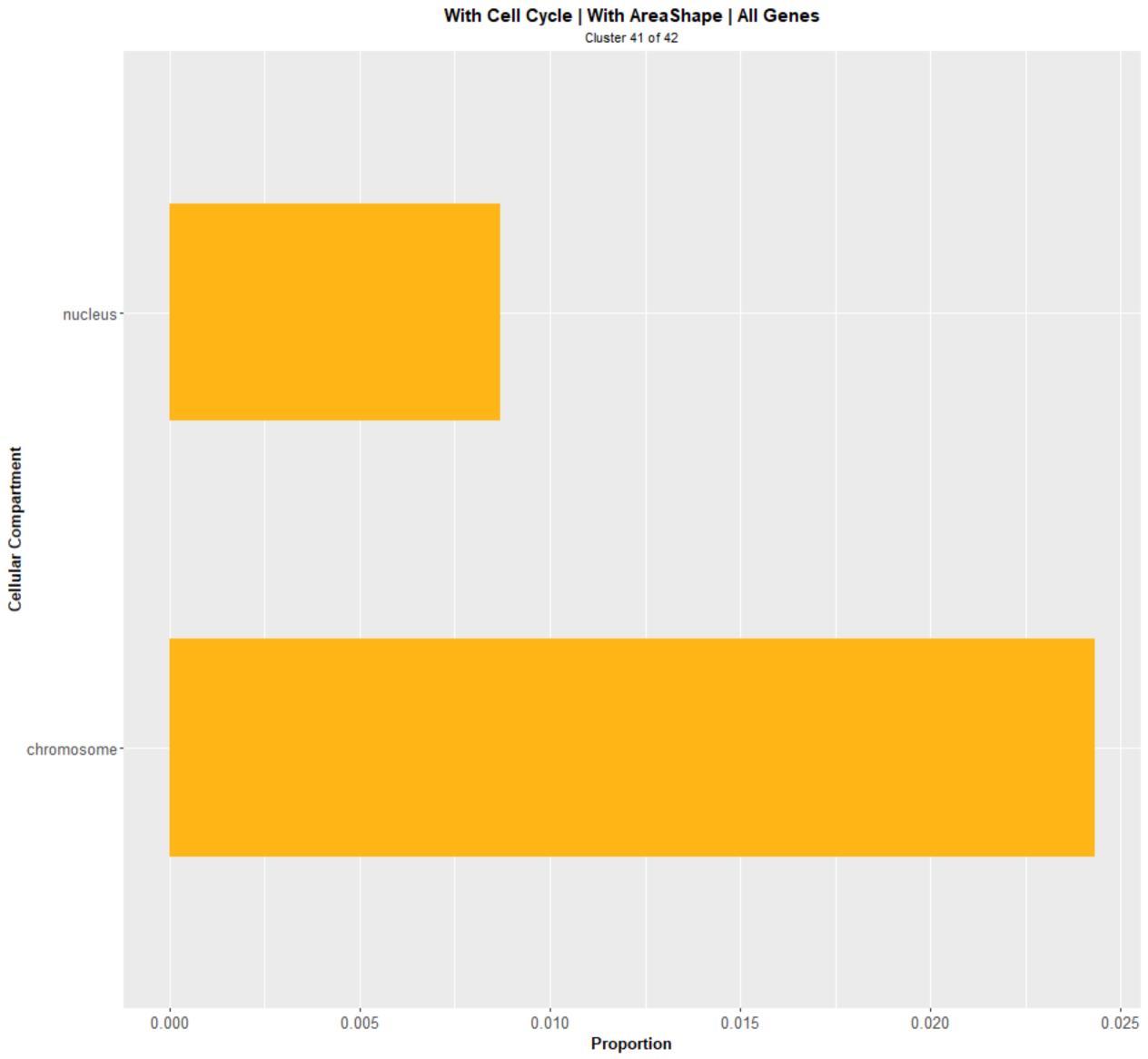
# With Cell Cycle | With AreaShape | All Genes Cluster 36 of 42 Biological Process cellular amino acid metabolic\_ process 0.00 0.02 0.04 0.06 Proportion

# With Cell Cycle | With AreaShape | All Genes Cluster 38 of 42 Cellular Compartment 0.02 0.00 0.01 0.03 Proportion

With Cell Cycle | With AreaShape | All Genes Cluster 38 of 42 oligosaccharide metabolic process Biological Process cytokinesis -0.050 0.000 0.025 0.075 Proportion

With Cell Cycle | With AreaShape | All Genes Cluster 40 of 42 site of polarized growth cytoskeleton-Cellular Compartment chromosomecellular budcell cortex-0.02 0.04 0.06 0.00 Proportion

#### With Cell Cycle | With AreaShape | All Genes Cluster 40 of 42 protein dephosphorylation organelle inheritance Biological Process cytoskeleton organization chromatin organization 0.050 0.025 0.075 0.000 Proportion



#### With Cell Cycle | With AreaShape | All Genes Cluster 41 of 42 transposition telomere organization -RNA catabolic process regulation of DNA metabolic\_ process organelle fission -Biological Process mitotic cell cycle -DNA replication -DNA repair DNA recombination chromosome segregation cellular response to DNA damage stimulus

0.05

0.10

Proportion

0.15

0.00