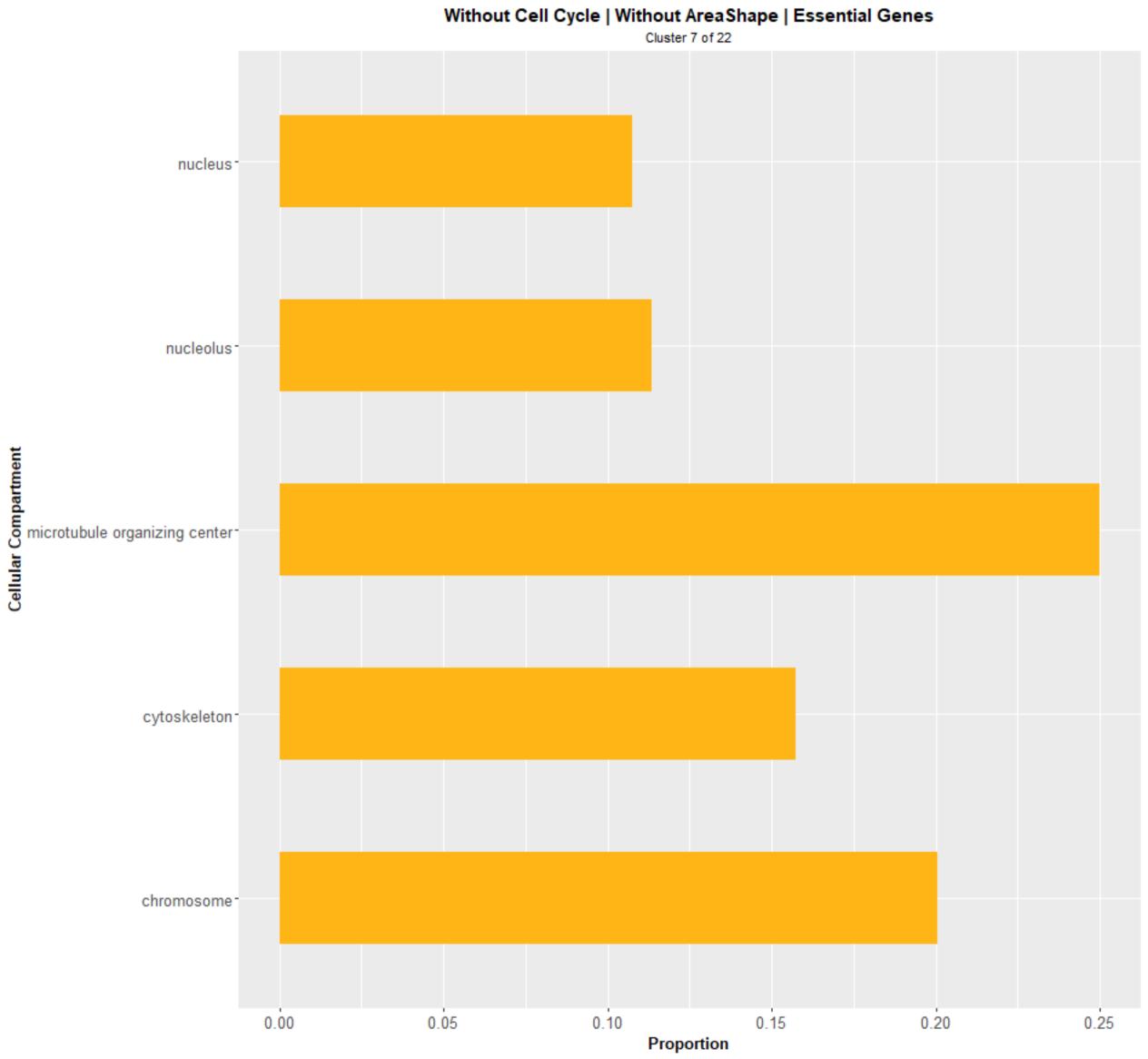
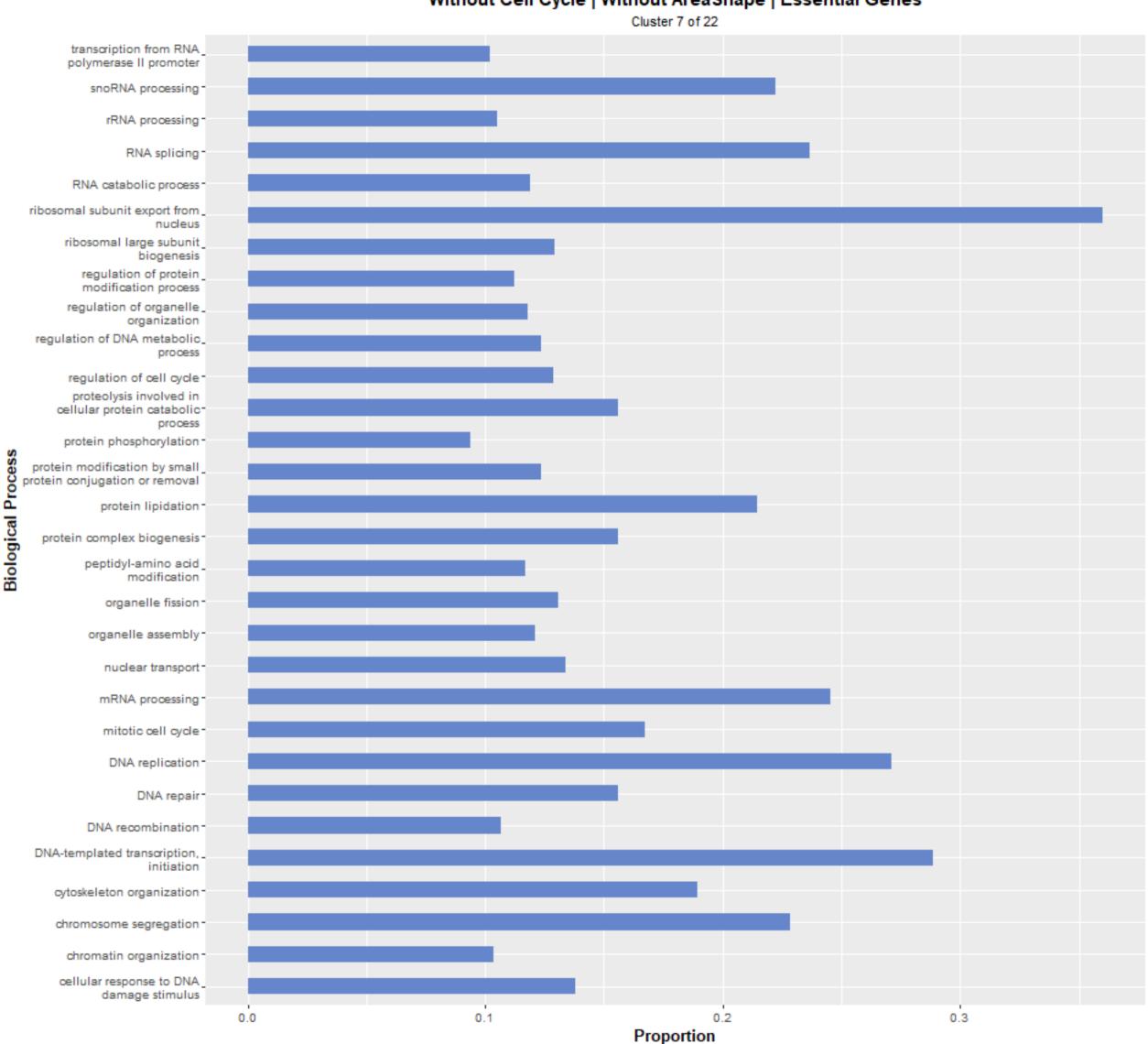
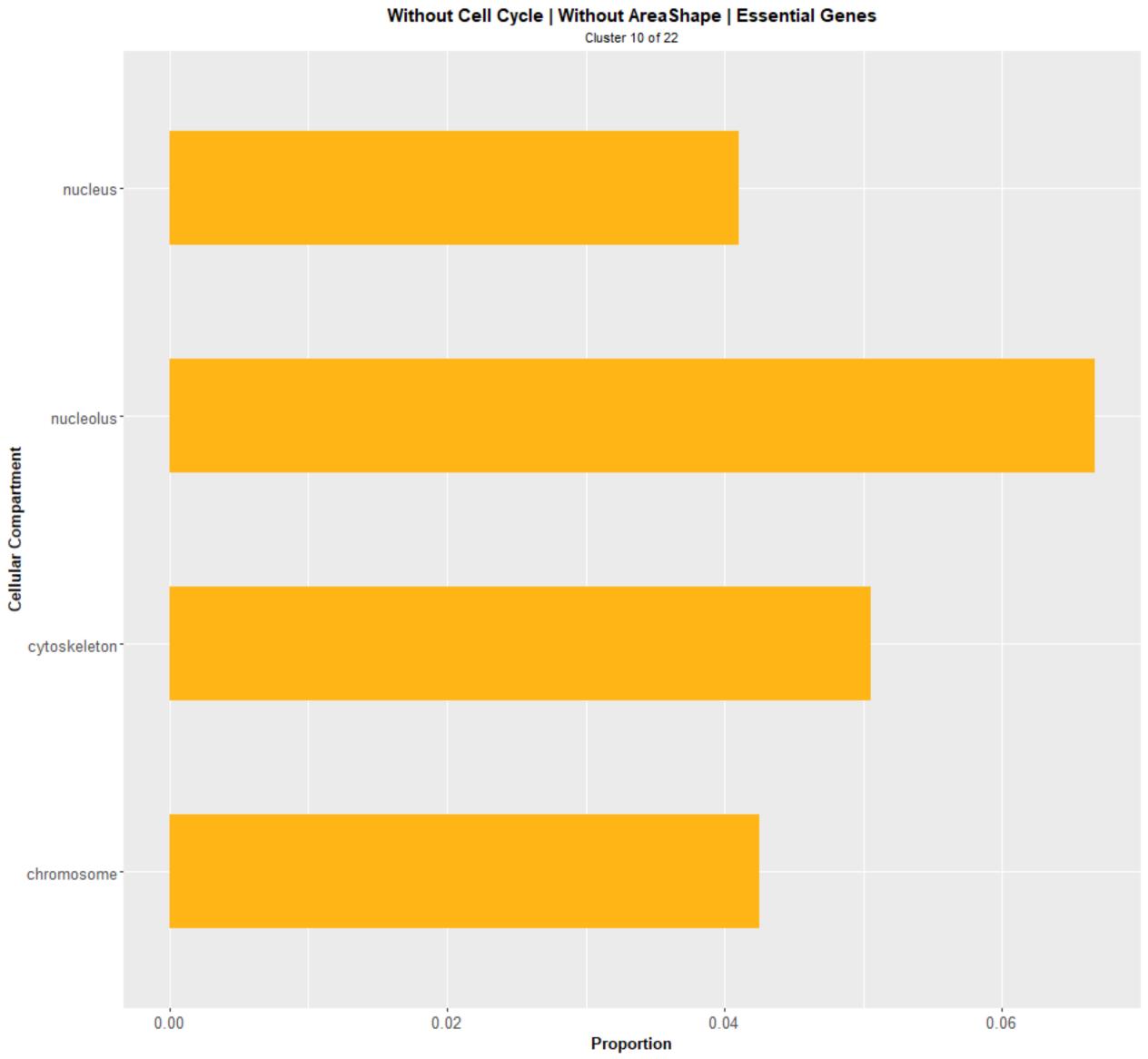


Without Cell Cycle | Without AreaShape | Essential Genes Cluster 2 of 22 transcription from RNA_ polymerase III promoter Biological Process nucleus organization mitotic cell cycle -0.04 0.00 0.02 0.06 Proportion



Without Cell Cycle | Without AreaShape | Essential Genes

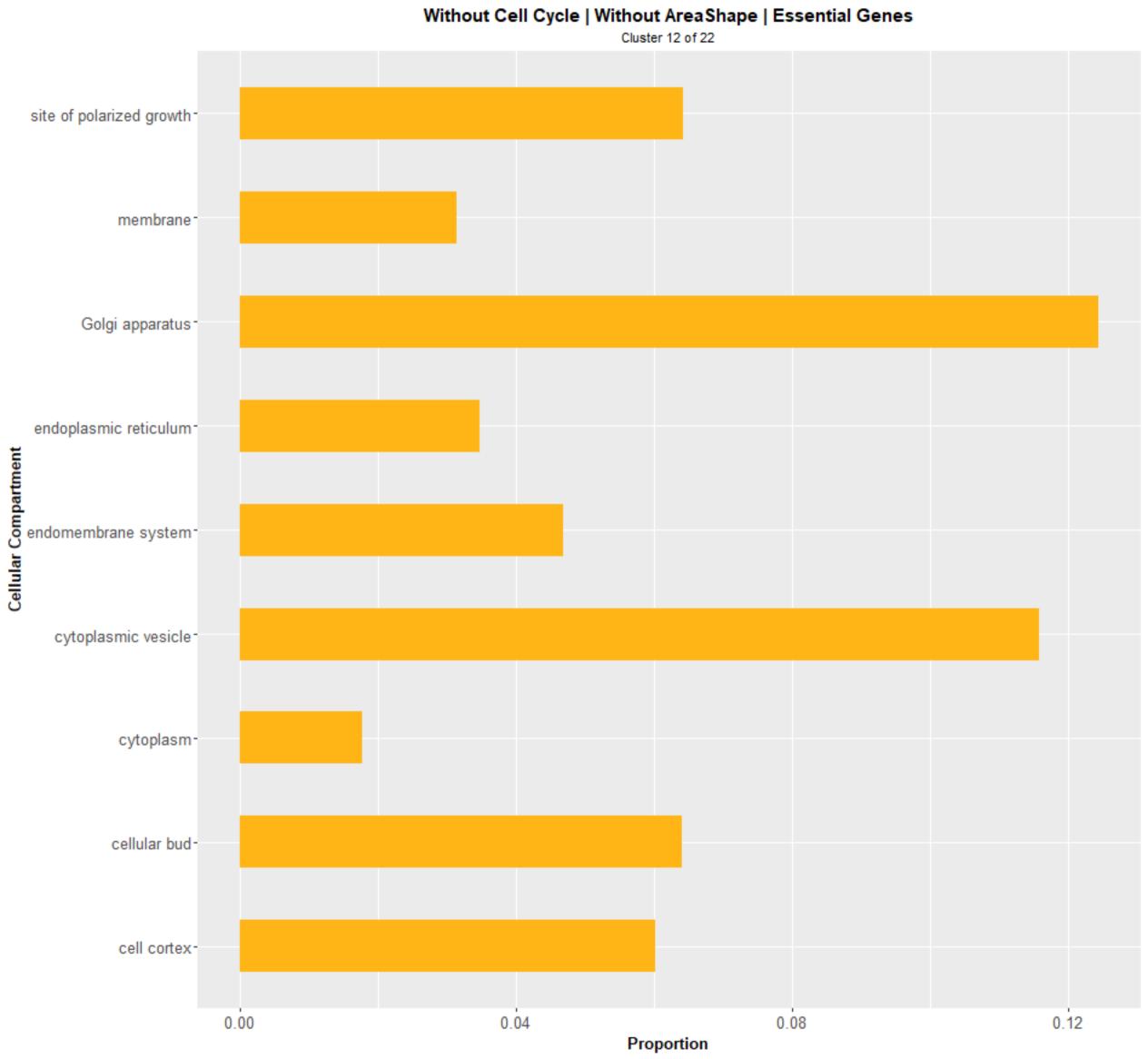




Without Cell Cycle | Without AreaShape | Essential Genes Cluster 10 of 22 transcription from RNA polymerase II promoter rRNA processing ribosomal subunit export from nucleus ribosomal large subunit_ biogenesis peptidyl-amino acid_ modification nucleobase-containing compound transport **Biological Process** nuclear transport mRNA processing -DNA repair DNA-templated transcription, _ termination DNA-templated transcription, initiation DNA-templated transcription, elongation chromatin organization cellular response to DNA damage stimulus 0.10 0.00 0.05 0.15 0.20 Proportion

Without Cell Cycle | Without AreaShape | Essential Genes Cluster 11 of 22 Cellular Compartment 0.000 0.002 0.004 0.006 Proportion

Without Cell Cycle | Without AreaShape | Essential Genes Cluster 11 of 22 RNA splicing Biological Process mRNA processing lipid metabolic process 0.02 0.00 0.04 Proportion



Without Cell Cycle | Without AreaShape | Essential Genes Cluster 12 of 22 vesicle organization vacuole organization regulation of transport protein complex biogenesis Biological Process organelle inheritance organelle fusion membrane fusion -Golgi vesicle transport exocytosis -0.2 0.0 0.1 0.3 Proportion

Without Cell Cycle | Without AreaShape | Essential Genes Cluster 14 of 22 Cellular Compartment 0.005 0.010 0.015 0.000 0.020 Proportion

Without Cell Cycle | Without AreaShape | Essential Genes Cluster 14 of 22 ribosomal small subunit biogenesis Biological Process mRNA processing -0.00 0.01 0.02 Proportion

Without Cell Cycle | Without AreaShape | Essential Genes Cluster 20 of 22 regulation of organelle_ organization regulation of cell cycle-Biological Process protein phosphorylation -DNA repair 0.02 0.00 0.01 0.03 Proportion

Without Cell Cycle | Without AreaShape | Essential Genes Cluster 22 of 22 Cellular Compartment 0.000 0.005 0.010 0.015 Proportion

Without Cell Cycle | Without AreaShape | Essential Genes Cluster 22 of 22 transcription from RNA polymerase III promoter Biological Process rRNA processing -0.08 0.00 0.03 0.09 Proportion