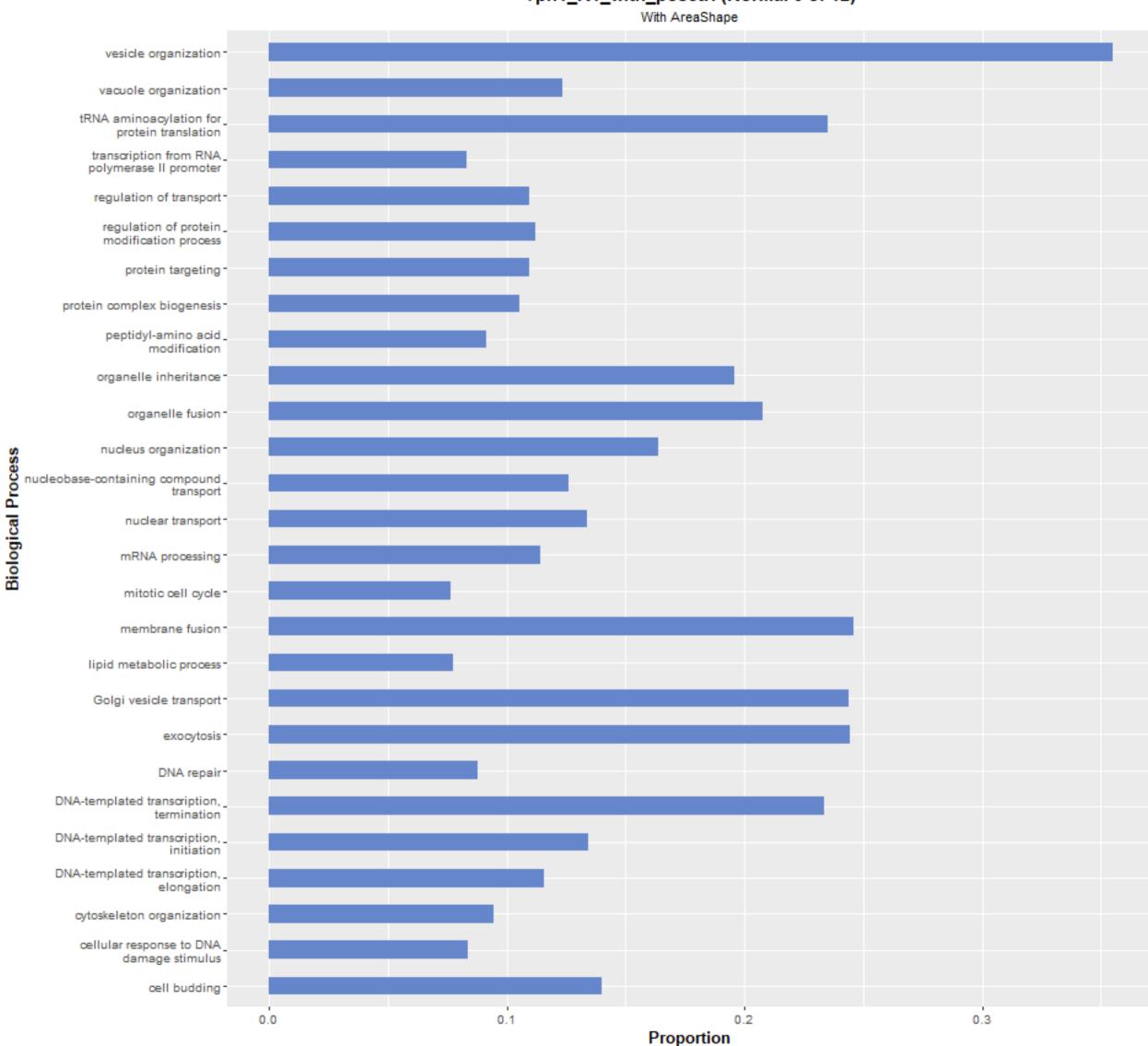
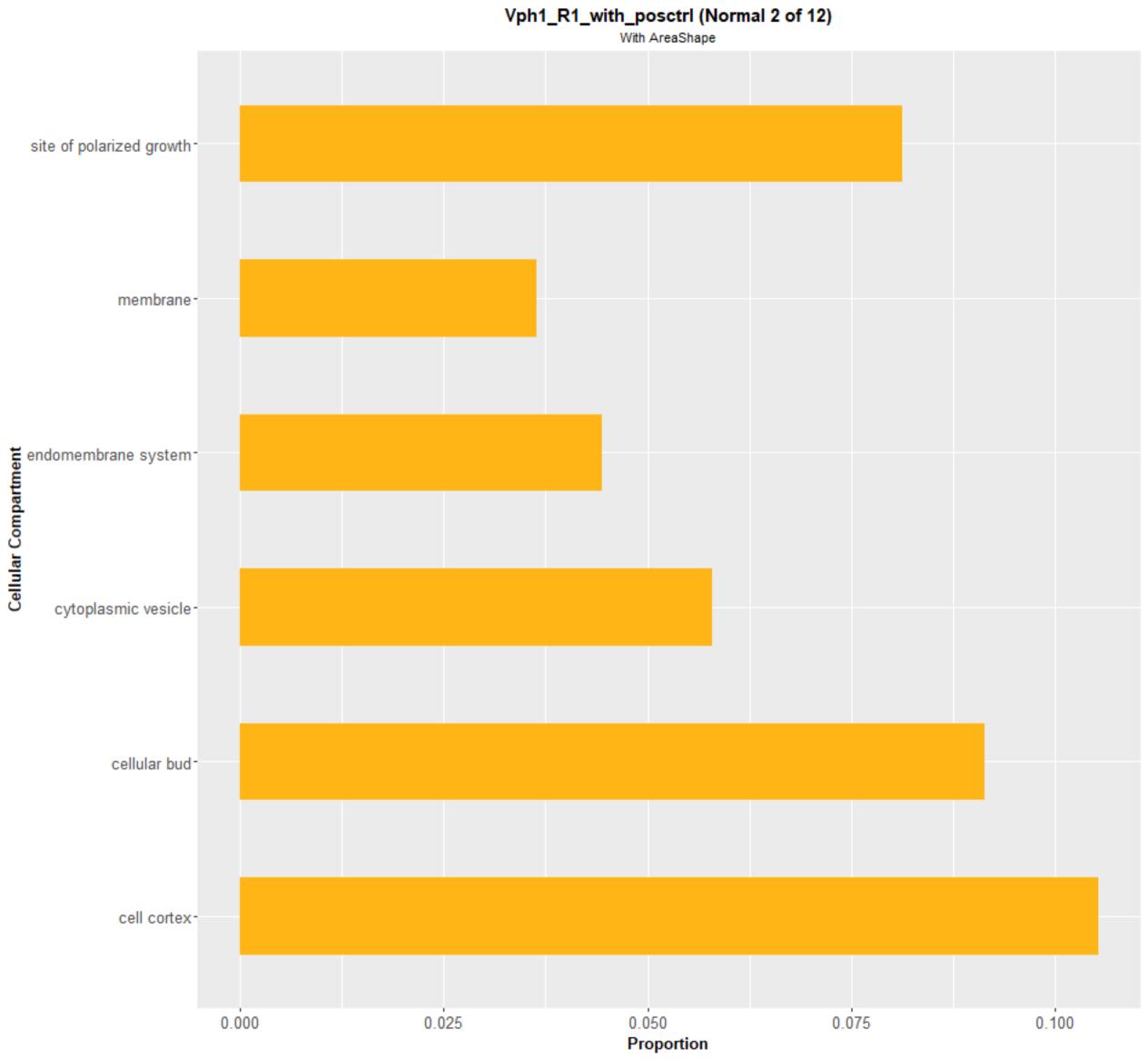
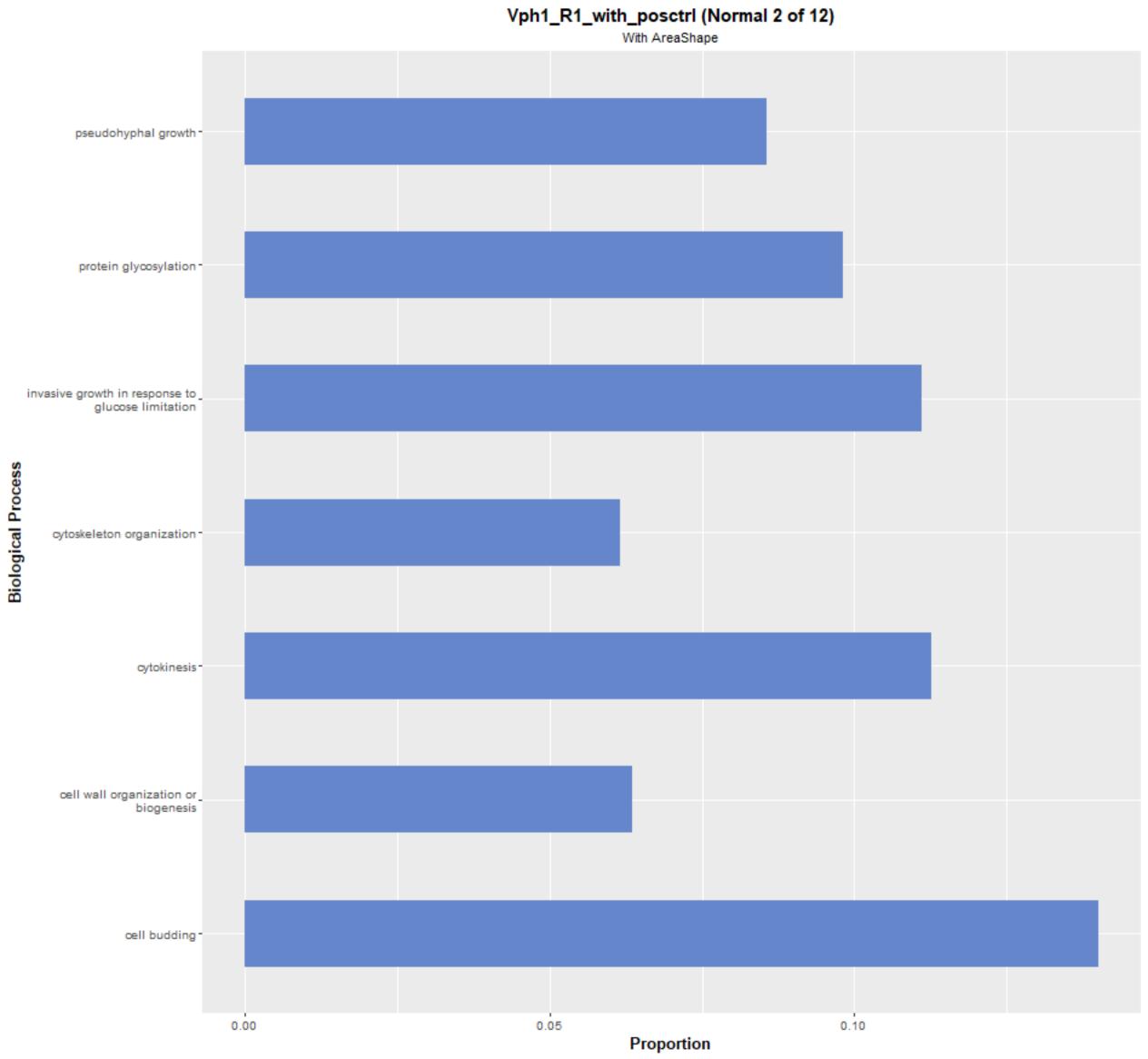


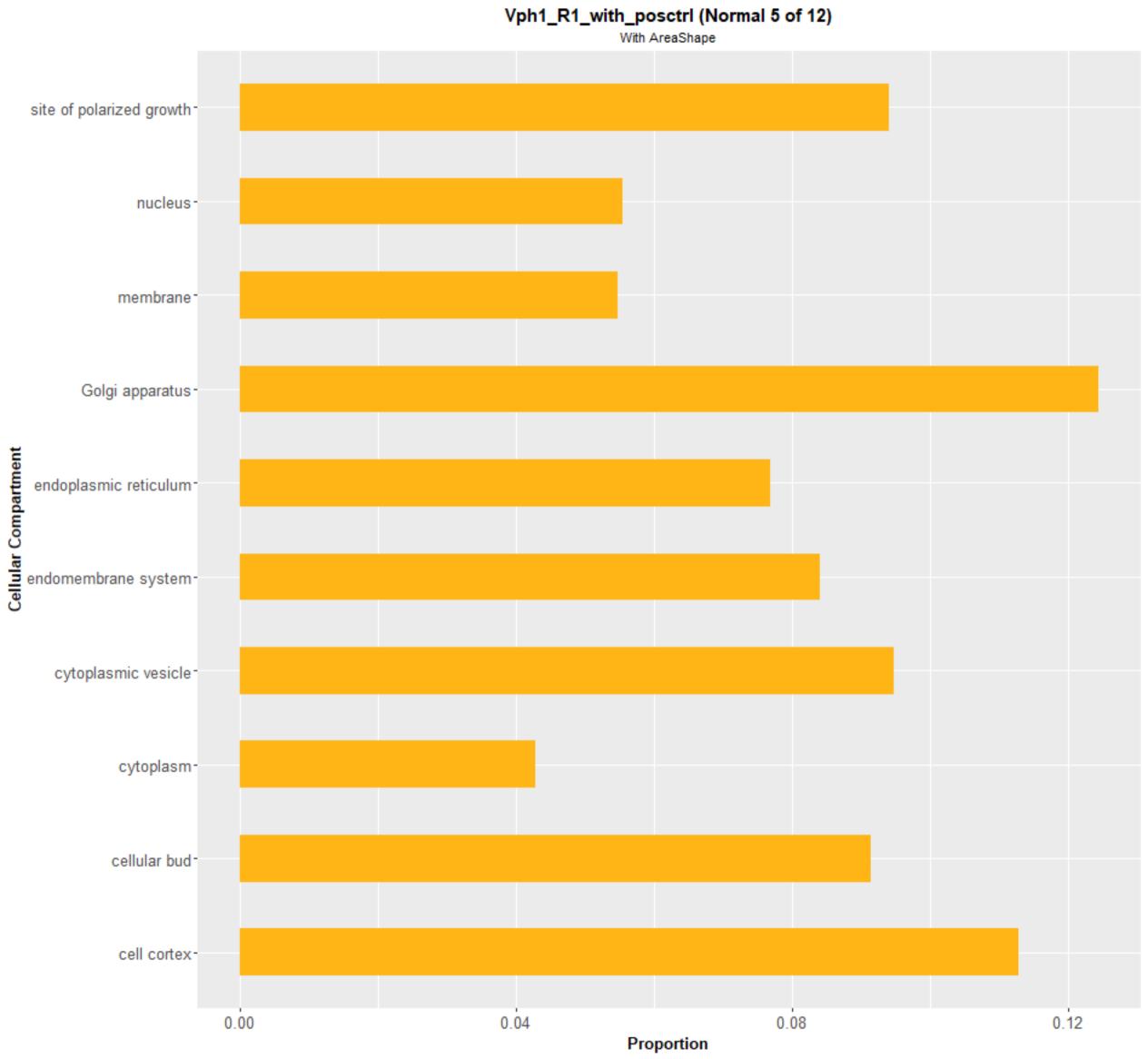
Vph1\_R1\_with\_posctrl (Normal 0 of 12)



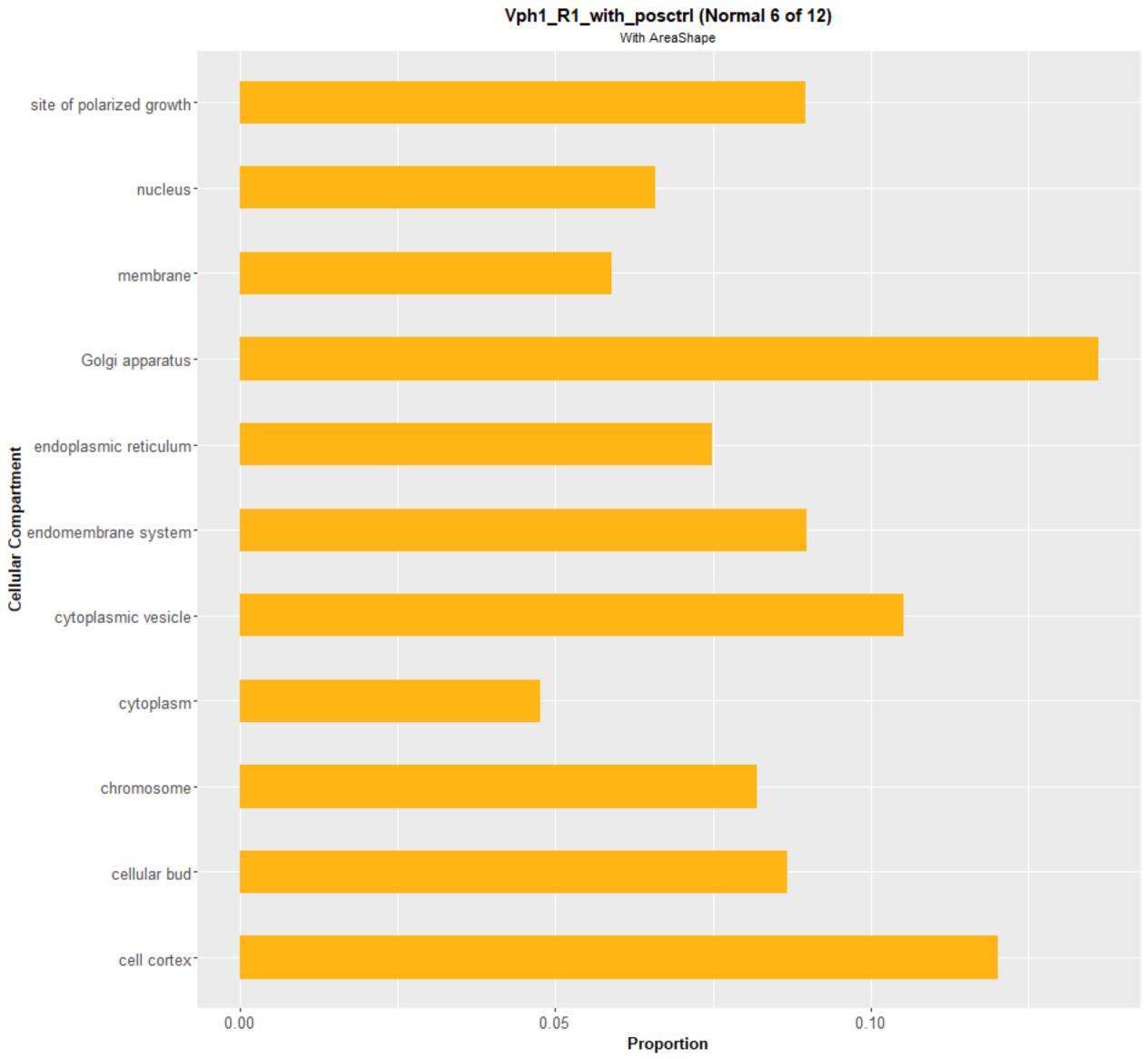




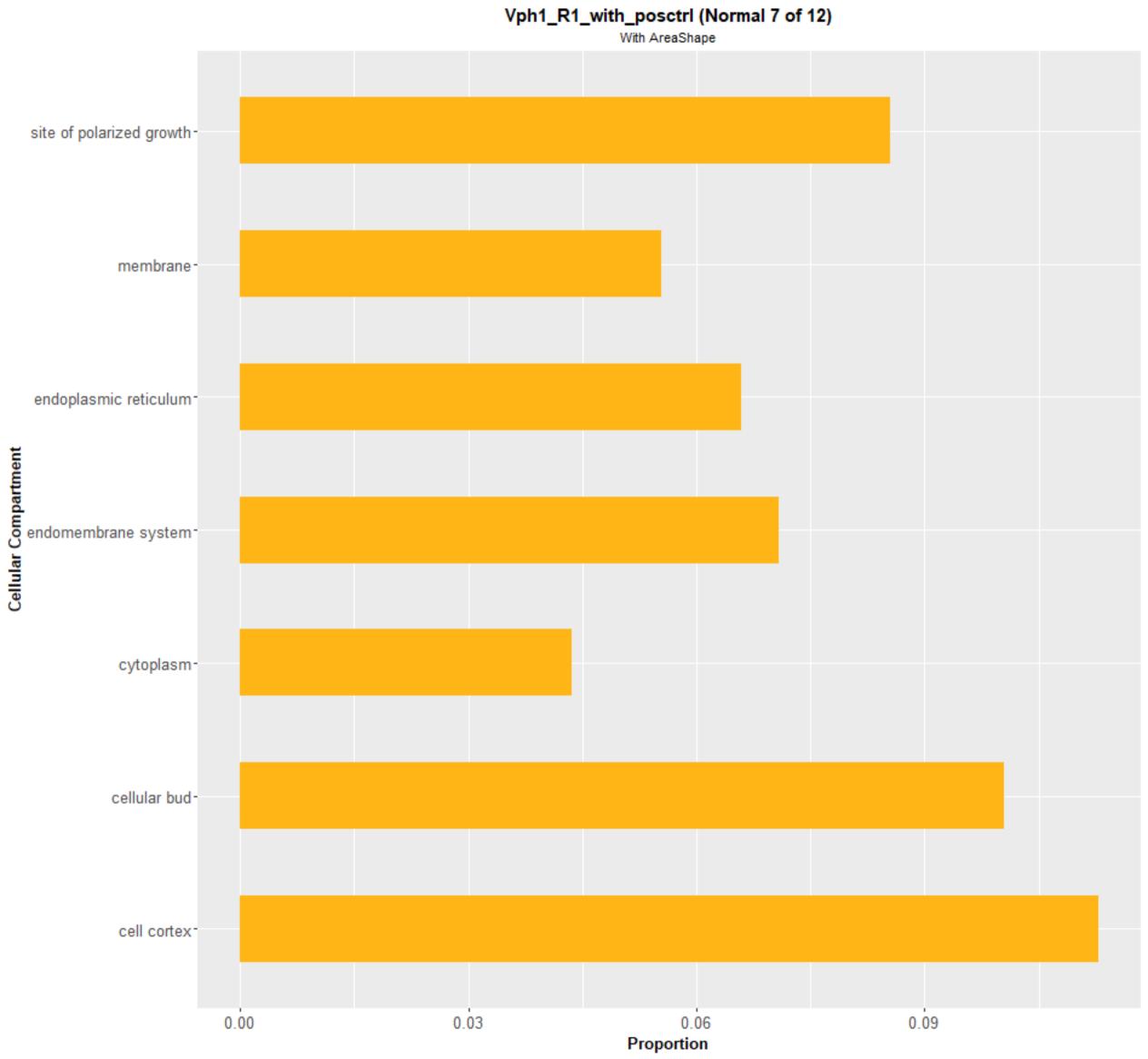
Vph1\_R1\_with\_posctrl (Normal 3 of 12)
With AreaShape Biological Process 0.00 0.05 0.10 Proportion

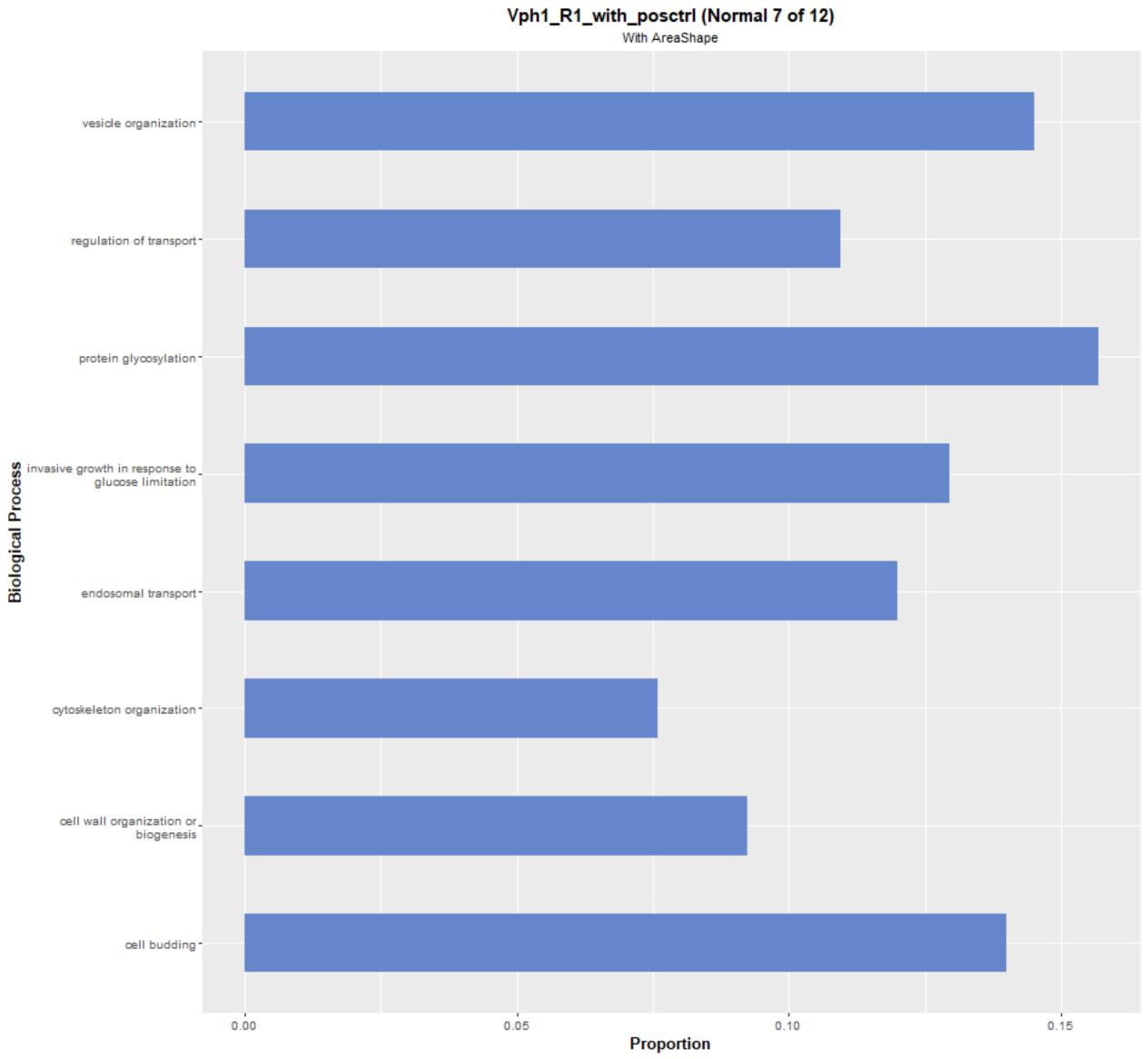


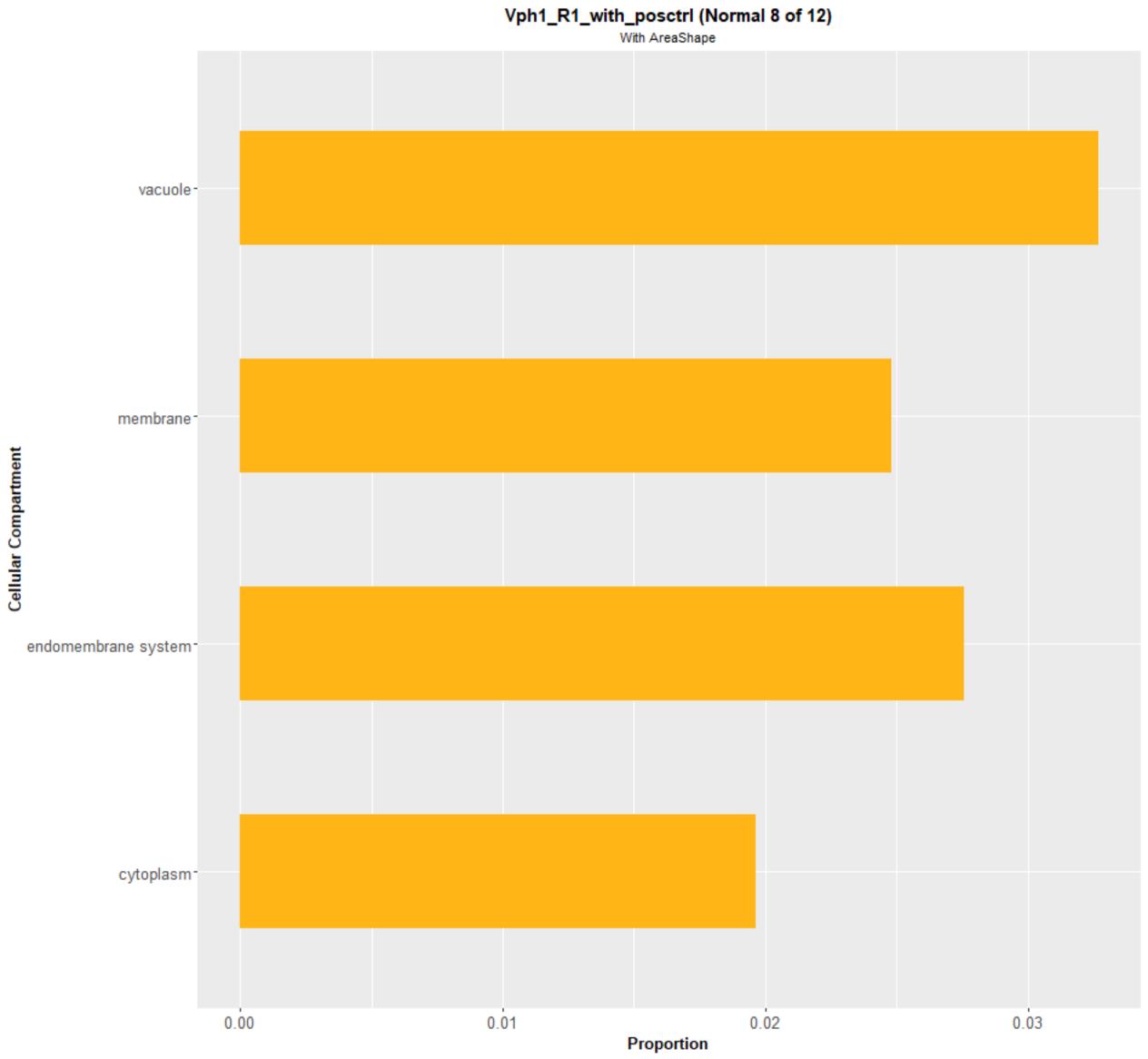
Vph1\_R1\_with\_posctrl (Normal 5 of 12) With AreaShape vesicle organization tRNA aminoacylation for\_ protein translation transposition transcription from RNA\_ polymerase II promoter regulation of protein\_ modification process protein targeting protein phosphorylation protein complex biogenesis peptidyl-amino acid\_ modification organelle inheritance organelle fusion organelle assembly -**Biological Process** nucleus organization nucleobase-containing compound. transport nuclear transport mRNA processing mitotic cell cycle membrane fusion lipid metabolic process Golgi vesicle transport exocytosis -DNA repair DNA-templated transcription, \_ termination DNA-templated transcription, initiation cytoskeleton organization cellular response to DNA damage stimulus cell budding -0.0 0.2 0.3 0.1 Proportion



Vph1\_R1\_with\_posctrl (Normal 6 of 12) With AreaShape vesicle organization tRNA aminoacylation for\_ protein translation transposition translational initiation transcription from RNA polymerase II promoter regulation of protein\_ modification process regulation of organelle\_ organization protein targeting protein complex biogenesis peptidyl-amino acid \_ modification organelle inheritance **Biological Process** organelle fusion nucleus organization nucleobase-containing compound\_ transport nuclear transport mRNA processing mitotic cell cycle membrane fusion lipid metabolic process Golgi vesicle transport exocytosis -DNA repair DNA-templated transcription, \_ termination DNA-templated transcription, initiation cytoskeleton organization cellular response to DNA\_ damage stimulus 0.2 0.0 0.1 0.3 Proportion





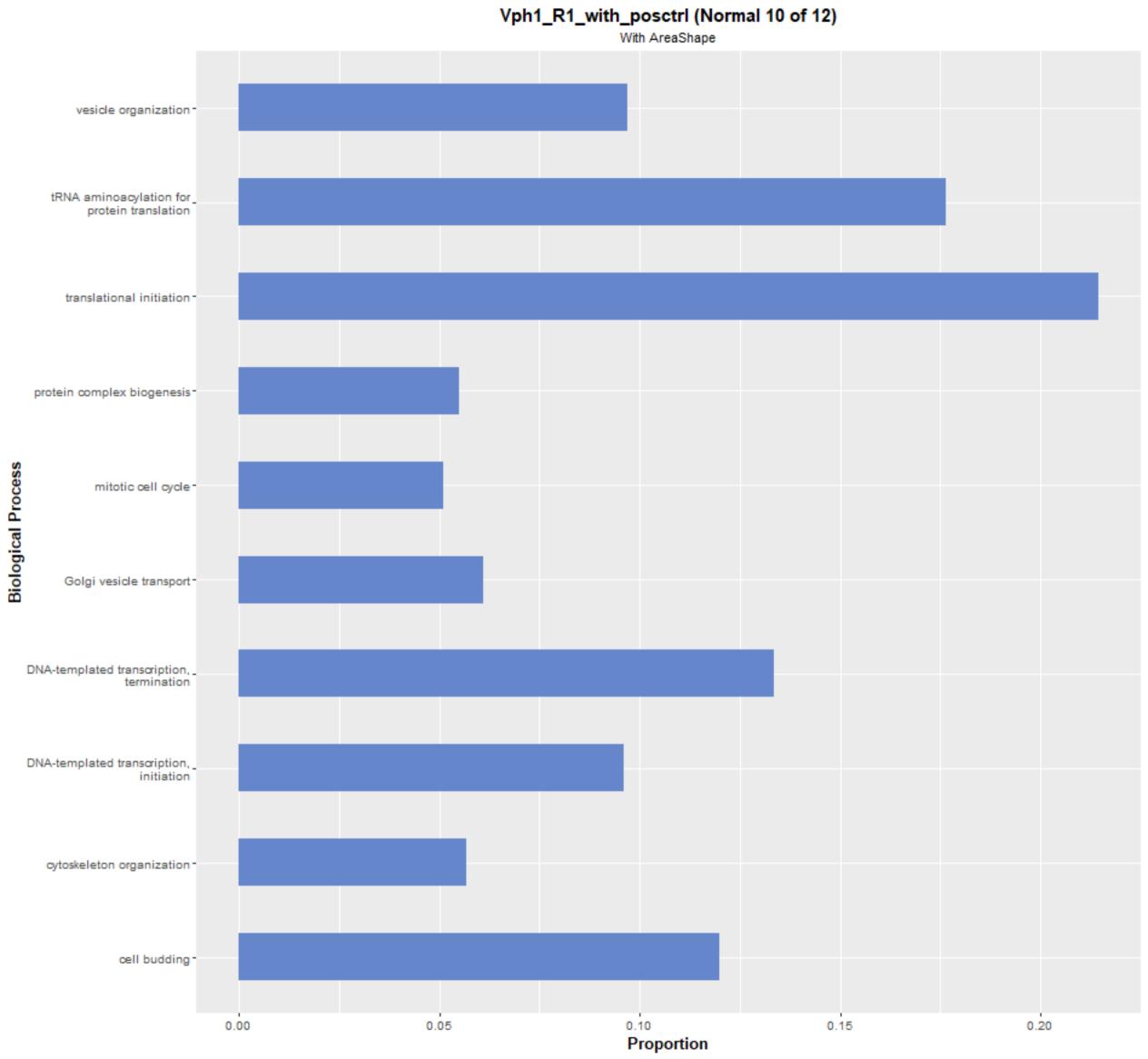


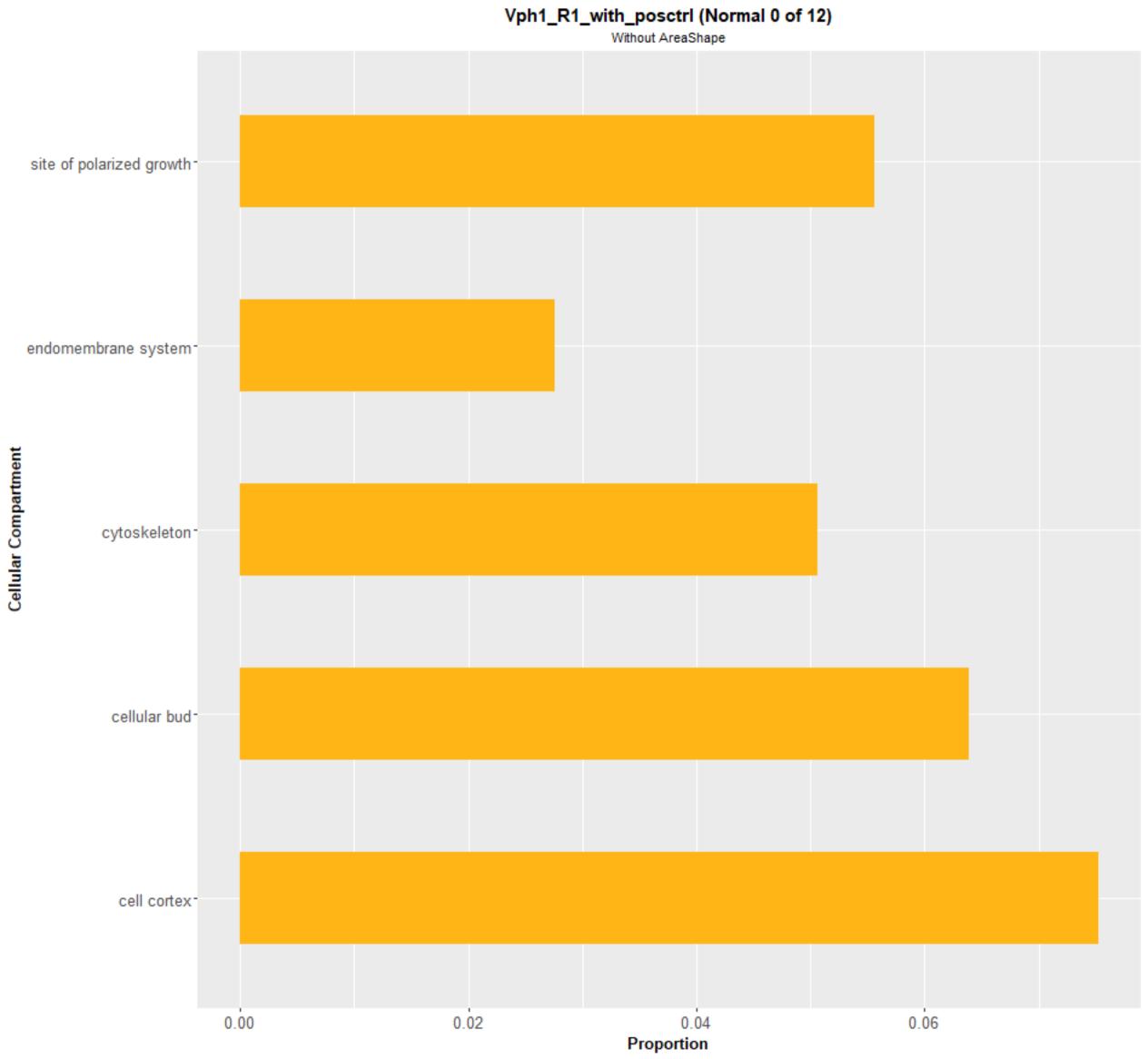
Vph1\_R1\_with\_posctrl (Normal 8 of 12)
With AreaShape vacuole organization -Biological Process protein glycosylation -0.050 0.000 0.025 0.075 0.100 Proportion

Vph1\_R1\_with\_posctrl (Normal 9 of 12)
With AreaShape Cellular Compartment endomembrane system 0.00 0.02 0.04 0.06 Proportion

Vph1\_R1\_with\_posctrl (Normal 9 of 12)
With AreaShape Biological Process 0.05 0.15 0.00 0.10 Proportion

Vph1\_R1\_with\_posctrl (Normal 10 of 12)
With AreaShape Cellular Compartment endomembrane system 0.00 0.01 0.02 0.03 0.04 Proportion

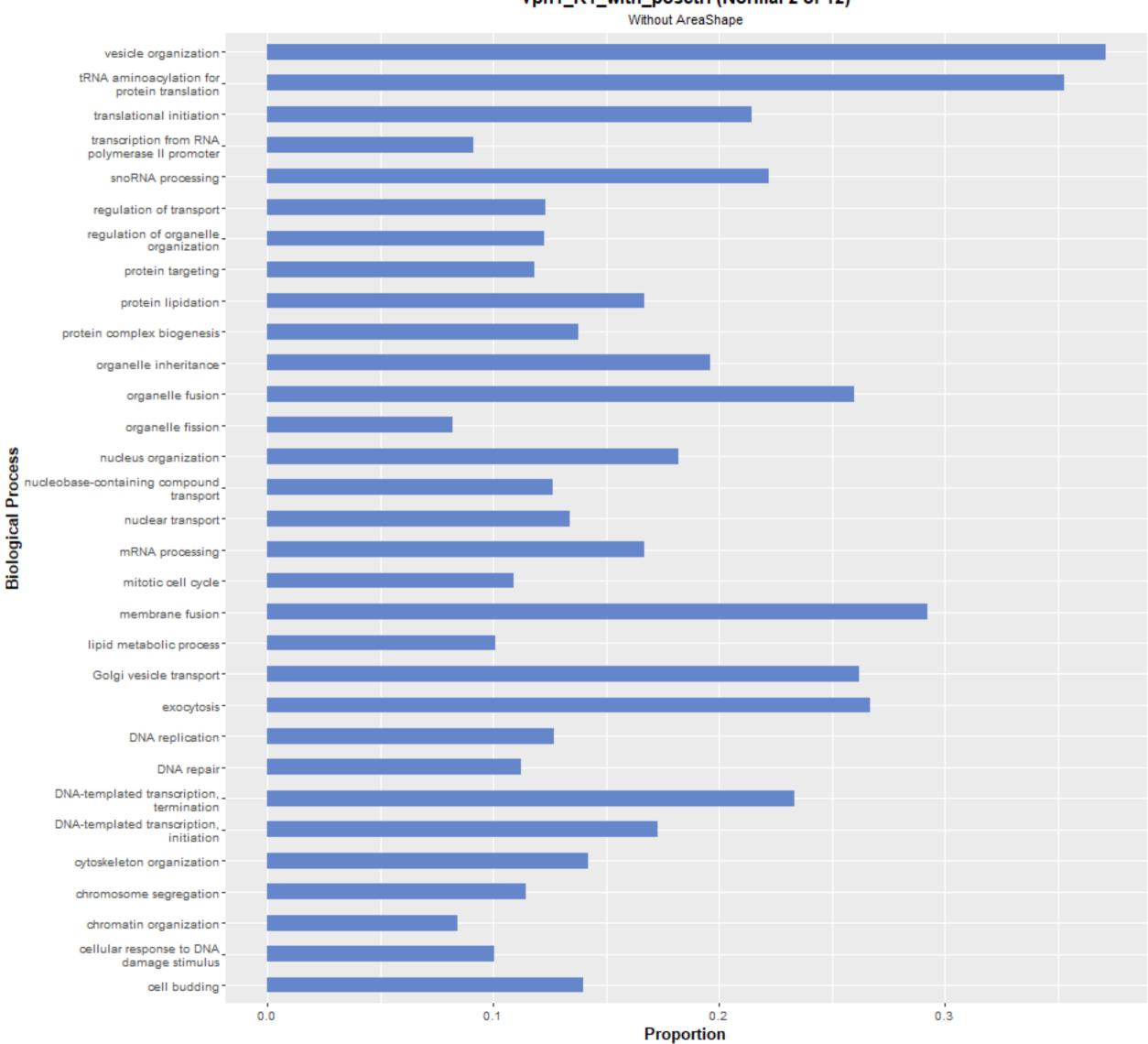


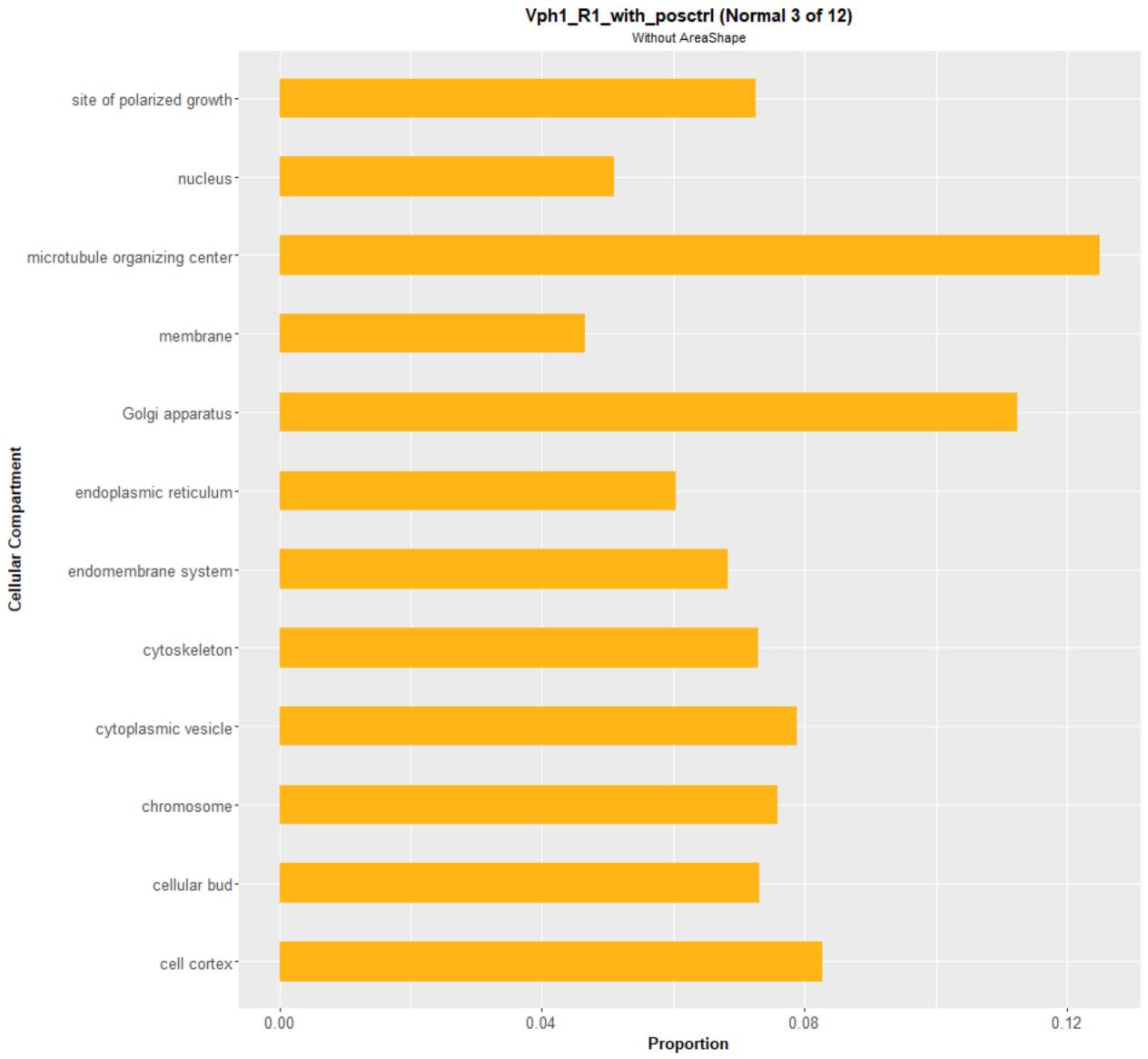


Vph1\_R1\_with\_posctrl (Normal 0 of 12) Without AreaShape vesicle organization proteolysis involved in cellular protein catabolicprocess protein glycosylation mitotic cell cycle -Biological Process endosomal transport cytoskeleton organization cytokinesis cell wall organization or \_ biogenesis cell budding -0.04 0.00 0.02 0.06 0.08 Proportion

Vph1\_R1\_with\_posctrl (Normal 2 of 12) Without AreaShape site of polarized growthnucleusmicrotubule organizing centermembrane-Golgi apparatus -Cellular Compartment endoplasmic reticulum endomembrane system cytoskeletoncytoplasmic vesiclecytoplasmchromosomecellular budcell cortex-0.05 0.10 0.15 0.00 Proportion

Vph1\_R1\_with\_posctrl (Normal 2 of 12)





Vph1\_R1\_with\_posctrl (Normal 3 of 12) Without AreaShape vesicle organization transcription from RNA polymerase II promoter snoRNA processing regulation of transport regulation of organelle\_ organization protein targeting protein complex biogenesis organelle inheritance organelle fusion organelle fission nucleus organization nucleobase-containing compound transport nuclear transport mRNA processing mitotic cell cycle membrane fusion -Golgi vesicle transport exocytosis -DNA repair DNA-templated transcription, \_ termination cytoskeleton organization = chromosome segregation cellular response to DNA damage stimulus

0.1

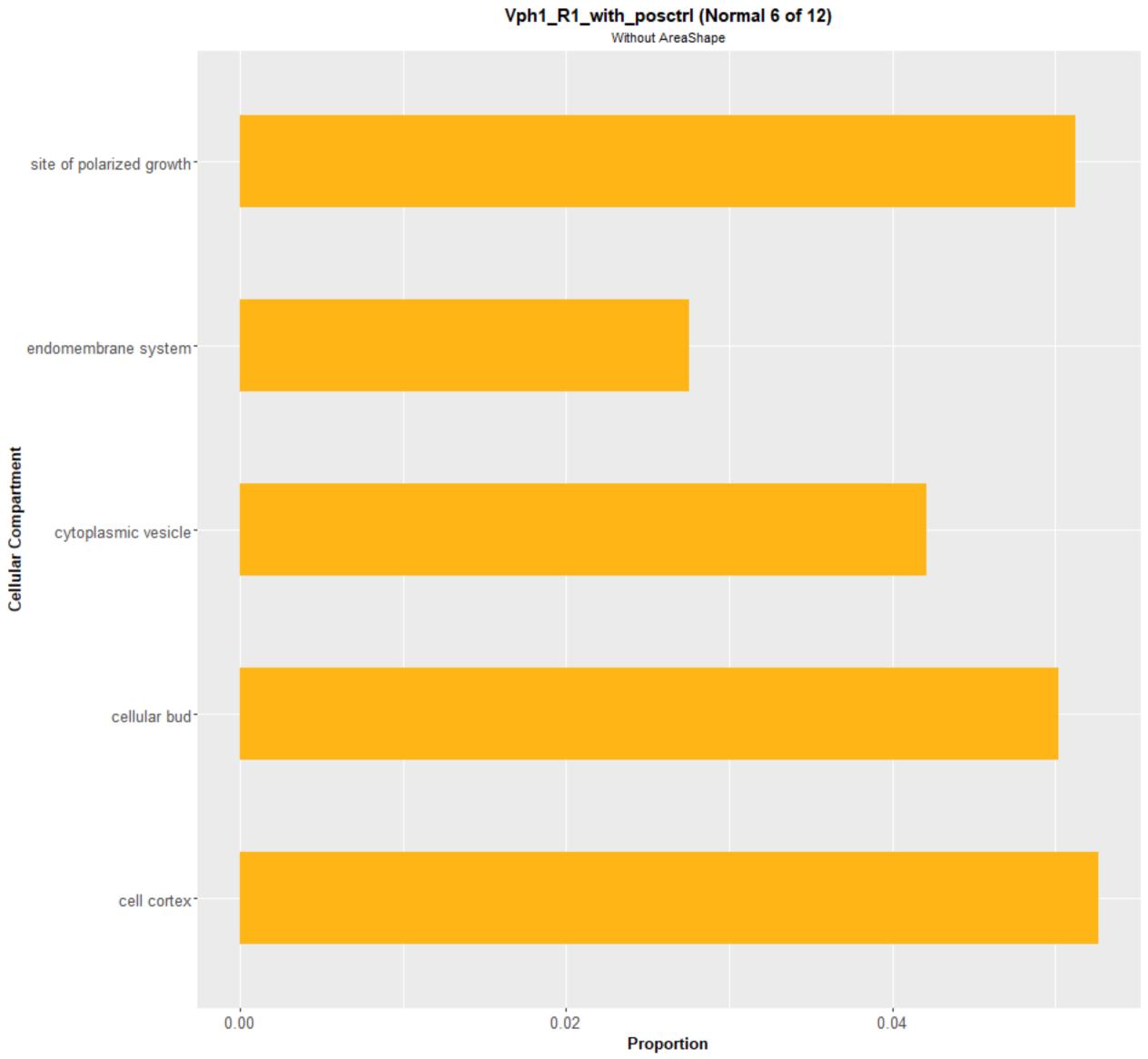
0.2

Proportion

0.3

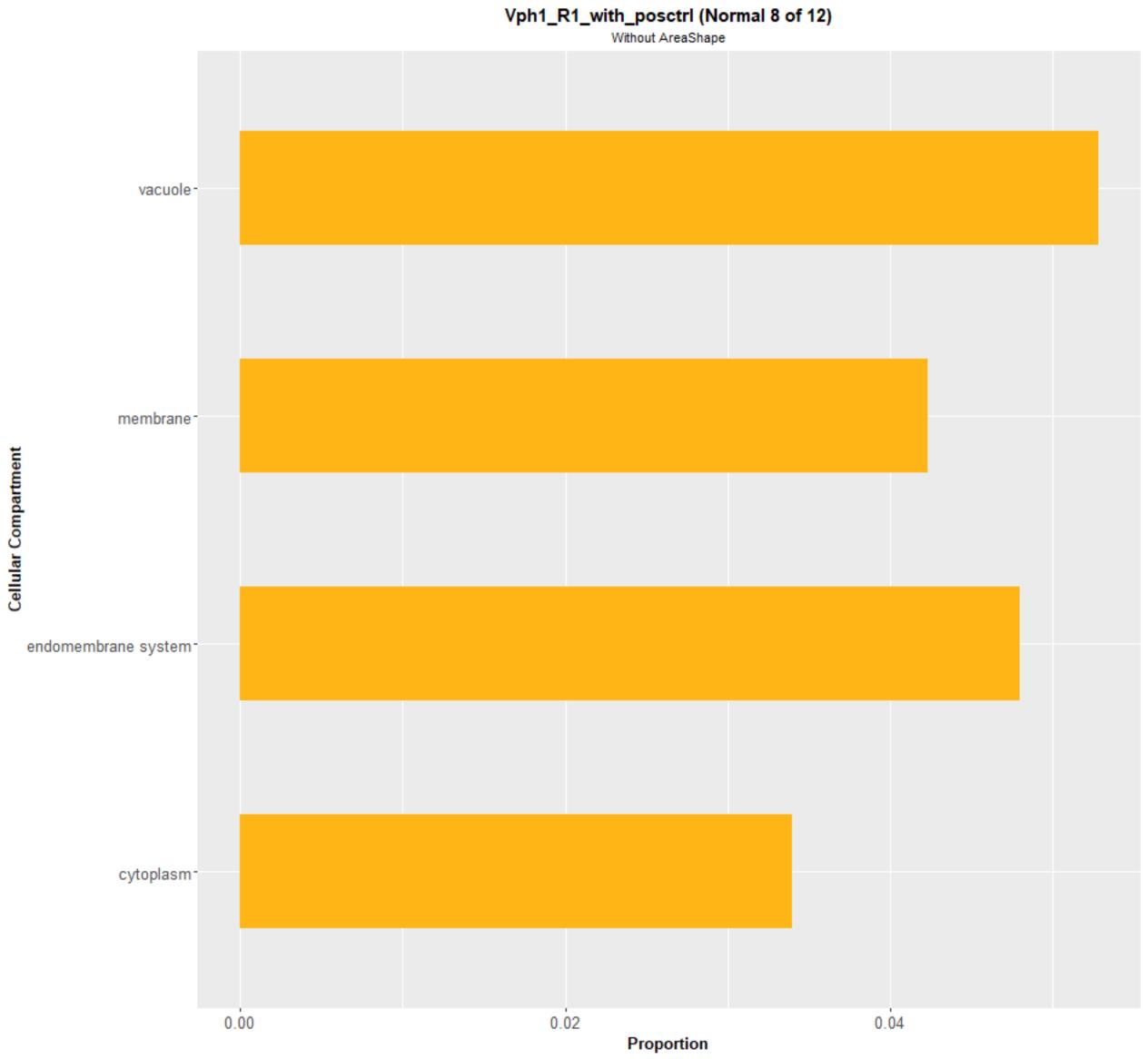
**Biological Process** 

0.0



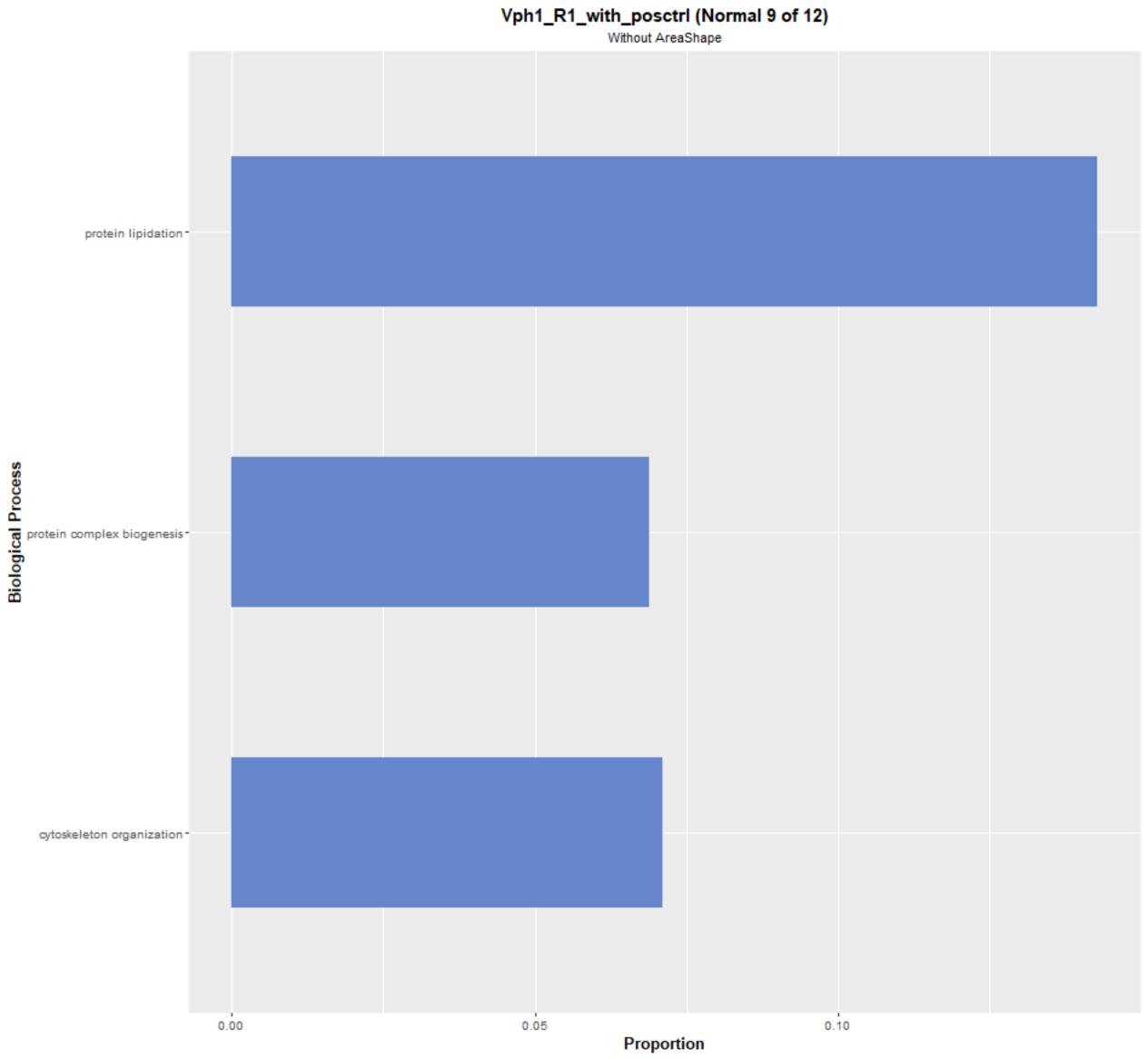
## Vph1\_R1\_with\_posctrl (Normal 6 of 12) Without AreaShape vesicle organization transcription from RNA\_ polymerase II promoter mitotic cell cycle membrane fusion -Biological Process Golgi vesicle transport DNA repair chromatin organization cellular response to DNA\_ damage stimulus cell wall organization or \_ biogenesis 0.050 0.100 0.000 0.025 0.075 Proportion

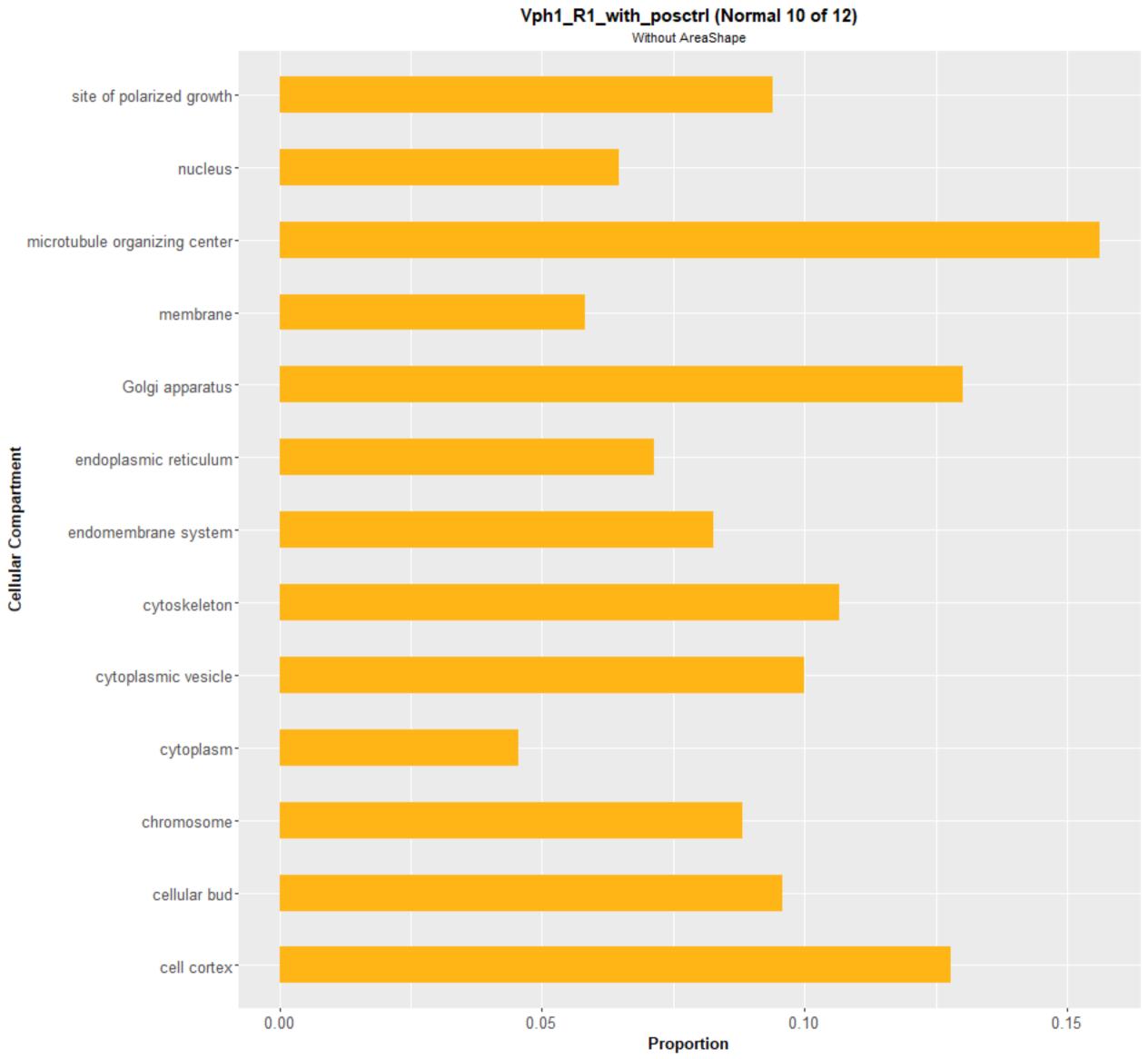
Vph1\_R1\_with\_posctrl (Normal 7 of 12)
Without AreaShape Biological Process
A sessible organization -0.15 0.10 0.00 0.05 Proportion



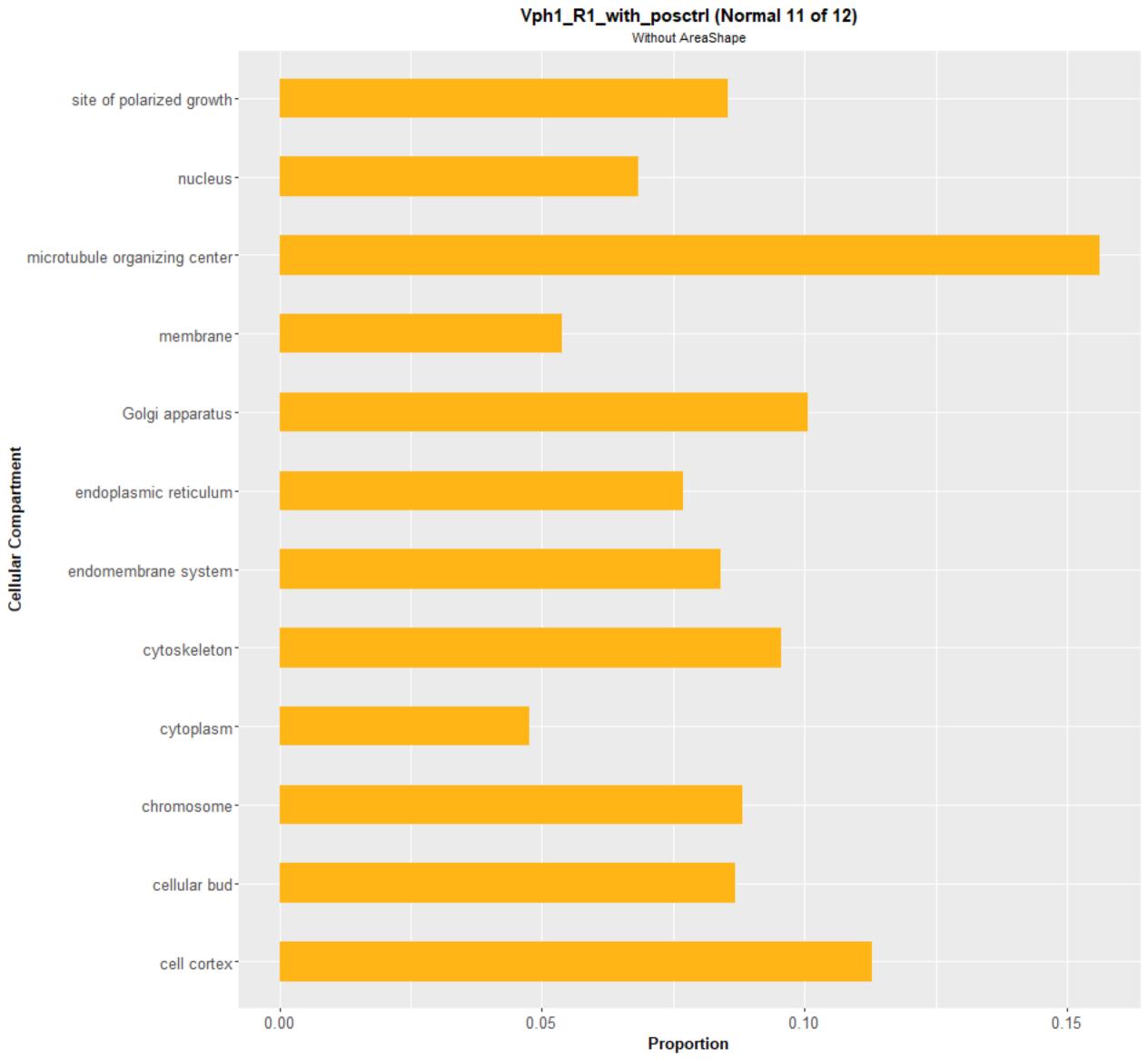
Vph1\_R1\_with\_posctrl (Normal 8 of 12) Without AreaShape vesicle organization vacuole organization protein maturation -Biological Process organelle fusion membrane fusion endosomal transport cytoskeleton organization -0.00 0.05 0.10 0.15 Proportion

Vph1\_R1\_with\_posctrl (Normal 9 of 12)
Without AreaShape Cellular Compartment 0.00 0.02 0.04 0.06 Proportion





Vph1\_R1\_with\_posctrl (Normal 10 of 12) Without AreaShape vesicle organization tRNA aminoacylation for\_ protein translation translational initiation transcription from RNA\_ polymerase II promoter snoRNA processing RNA catabolic process regulation of transport regulation of organelle organization protein targeting protein phosphorylation protein complex biogenesis peptidyl-amino acid\_ modification organelle inheritance **Biological Process** organelle fusion nucleus organization nucleobase-containing compound. transport nuclear transport mRNA processing mitotic cell cycle membrane fusion -Golgi vesicle transport exocytosis -DNA replication -DNA repair DNA-templated transcription, termination DNA-templated transcription, \_ initiation cytoskeleton organization cytokinesis chromosome segregation cellular response to DNA damage stimulus 0.0 0.1 0.2 0.3 Proportion



Vph1\_R1\_with\_posctrl (Normal 11 of 12)

