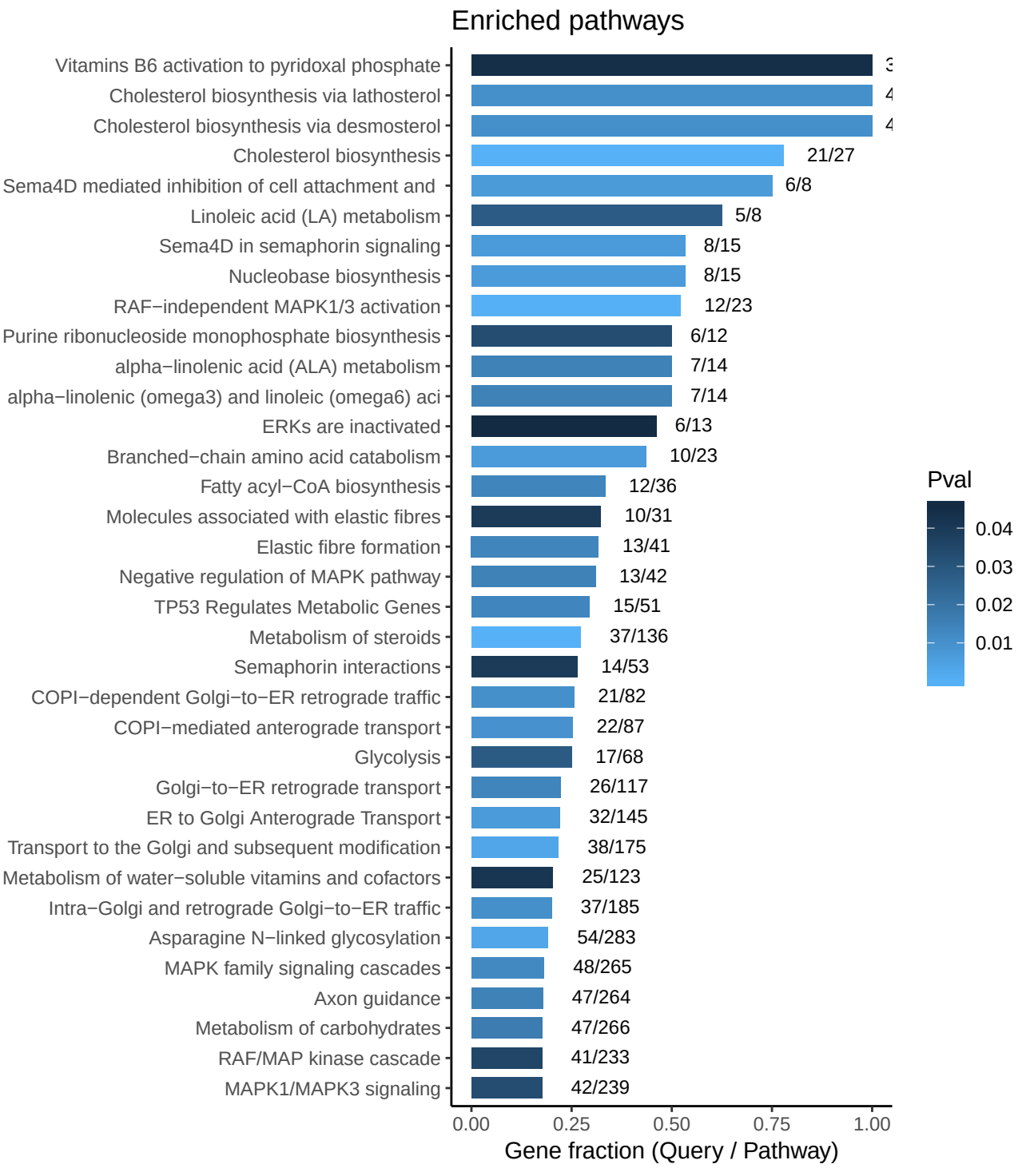
Enriched pathways
Vitamins B6 activation to pyridoxal phosphate
Cholesterol biosynthesis via lathosterol
Cholesterol biosynthesis via desmosterol
Cholesterol biosynthesis
Sema4D mediated inhibition of cell attachment and
Linoleic acid (LA) metabolism
Sema4D in semaphorin signaling
Nucleobase biosynthesis
RAF−independent MAPK1/3 activation
Purine ribonucleoside monophosphate biosynthesis
alpha−linolenic acid (ALA) metabolism
alpha−linolenic (omega3) and linoleic (omega6) aci
ERKs are inactivated
Branched−chain amino acid catabolism
Fatty acyl−CoA biosynthesis
Molecules associated with elastic fibres
Elastic fibre formation
Negative regulation of MAPK pathway
TP53 Regulates Metabolic Genes
Metabolism of steroids
Semaphorin interactions
COPI−dependent Golgi−to−ER retrograde traffic
COPI−mediated anterograde transport
Glycolysis
Golgi−to−ER retrograde transport
ER to Golgi Anterograde Transport
Transport to the Golgi and subsequent modification
Metabolism of water−soluble vitamins and cofactors
Intra−Golgi and retrograde Golgi−to−ER traffic
Asparagine N−linked glycosylation
MAPK family signaling cascades
Axon guidance
Metabolism of carbohydrates
RAF/MAP kinase cascade
MAPK1/MAPK3 signaling
3
4
4
21/27
6/8
5/8
8/15
8/15
12/23
6/12
7/14
7/14
6/13
10/23
12/36
10/31
13/41
13/42
15/51
37/136
14/53
21/82
22/87
17/68
26/117
32/145
38/175
25/123
37/185
54/283
48/265
47/264
47/266
41/233
42/239
0.00
0.25
0.50
0.75
1.00
Gene fraction (Query / Pathway)
Pval
0.04
0.03
0.02
0.01