Post-translational protein phosphorylation

RAF-independent MAPK1/3 activation

Signaling by PDGF

Regulation of Insulin-like Growth Factor (IGF) transport and uptake by Insulin-like Growth Factor Binding Proteins (IGFBPs)

MAPK1/MAPK3 signaling

MAPK family signaling cascades

Axon guidance

GRB2 events in EGFR signaling

SHC1 events in ERBB4 signaling

SHC1 events in EGFR signaling

GRB2 events in ERBB2 signaling

CaM pathway

Calmodulin induced events

PLC beta mediated events Or

Opioid Signalling

G-protein mediated events Ca-dependent events

DAG and IP3 signaling

Apoptotic execution phase

Signaling by MET

Apoptotic cleavage of cellular proteins

Signaling by Receptor Tyrosine Kinases

TRP channels

Extracellular matrix organization

MET activates PTK2 signaling

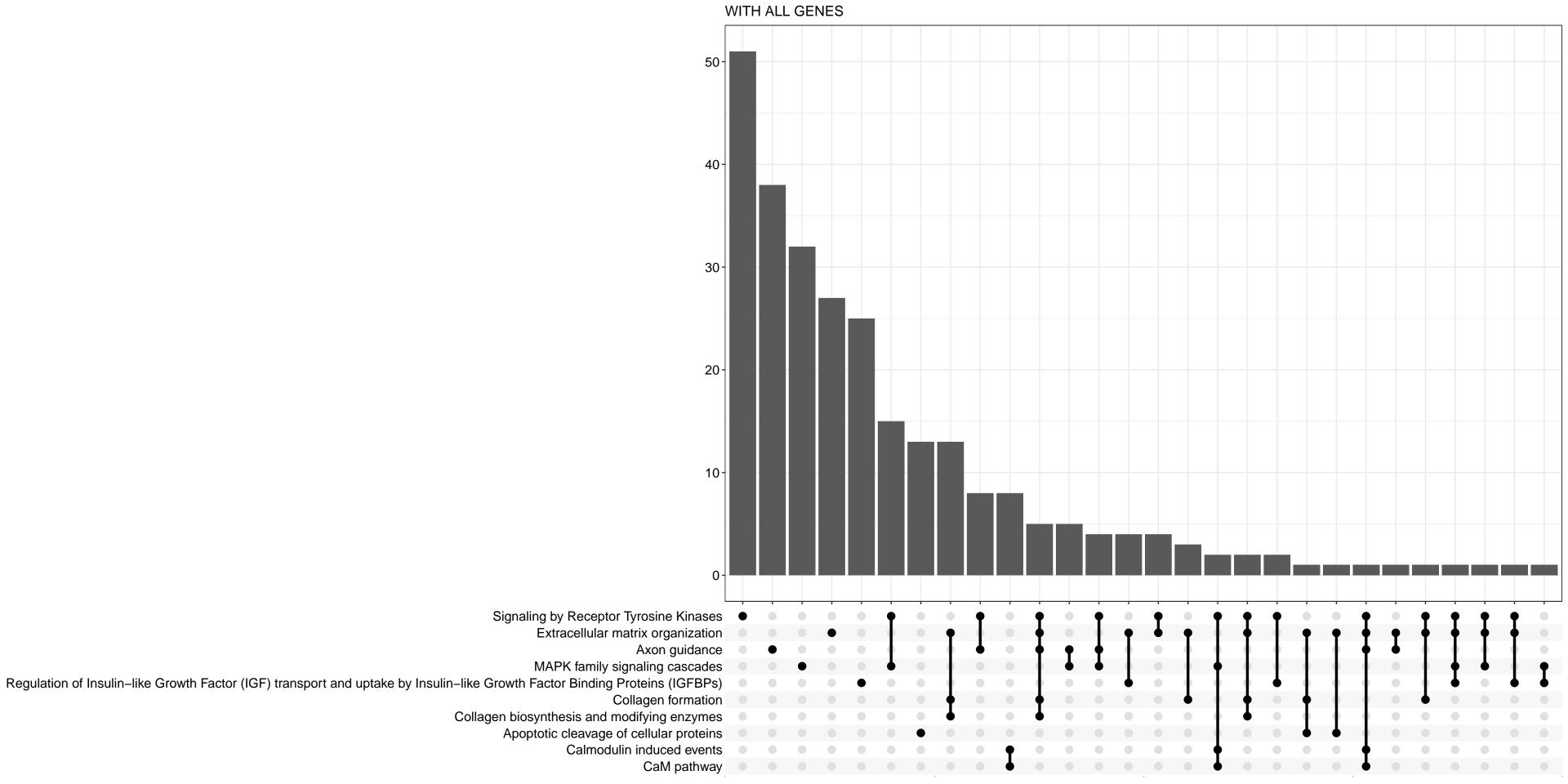
Integrin cell surface interactions Assembly of collagen fibrils and other multimeric structures

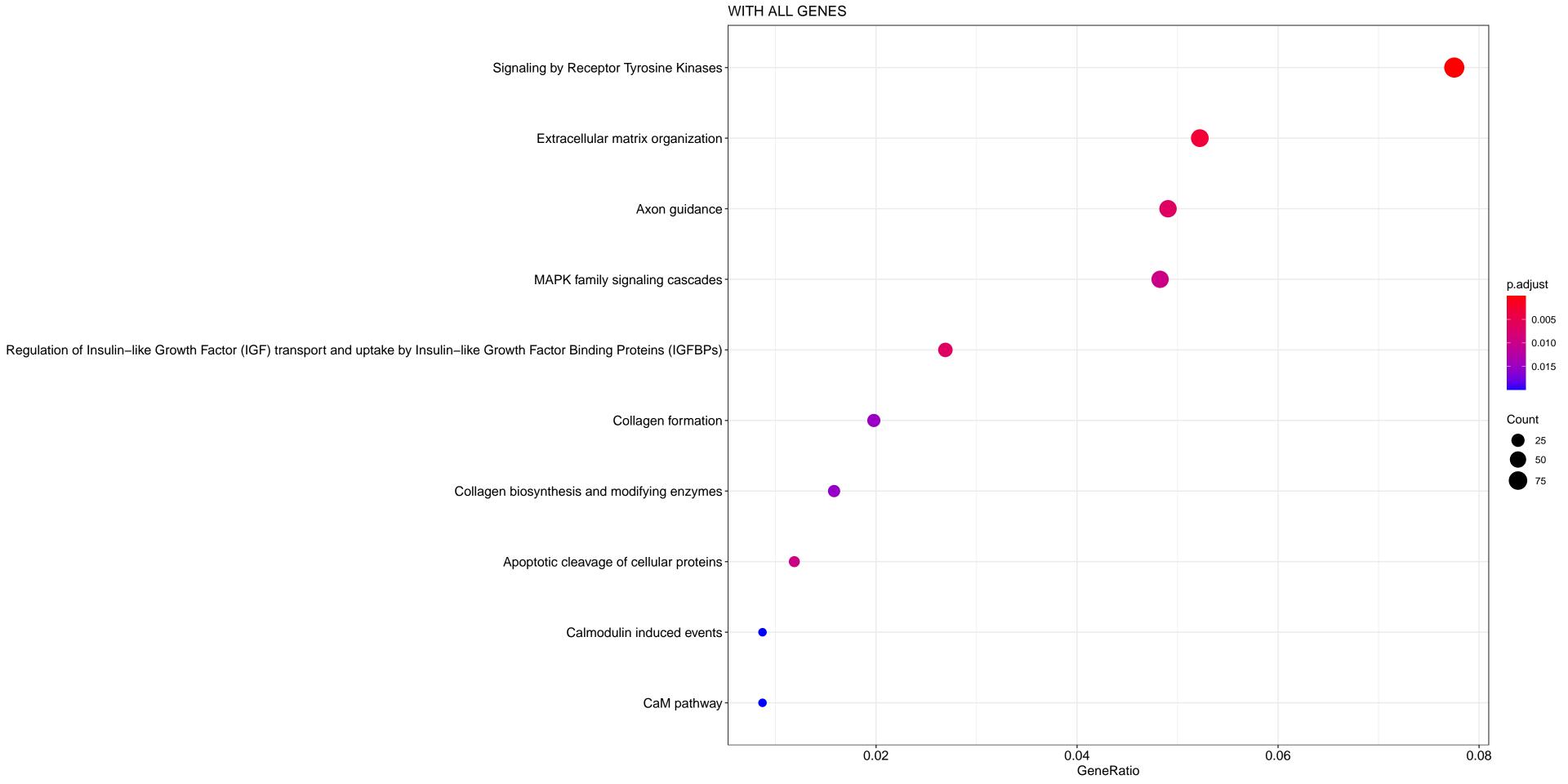
Collagen biosynthesis and modifying enzymes

Collagen chain trimerization

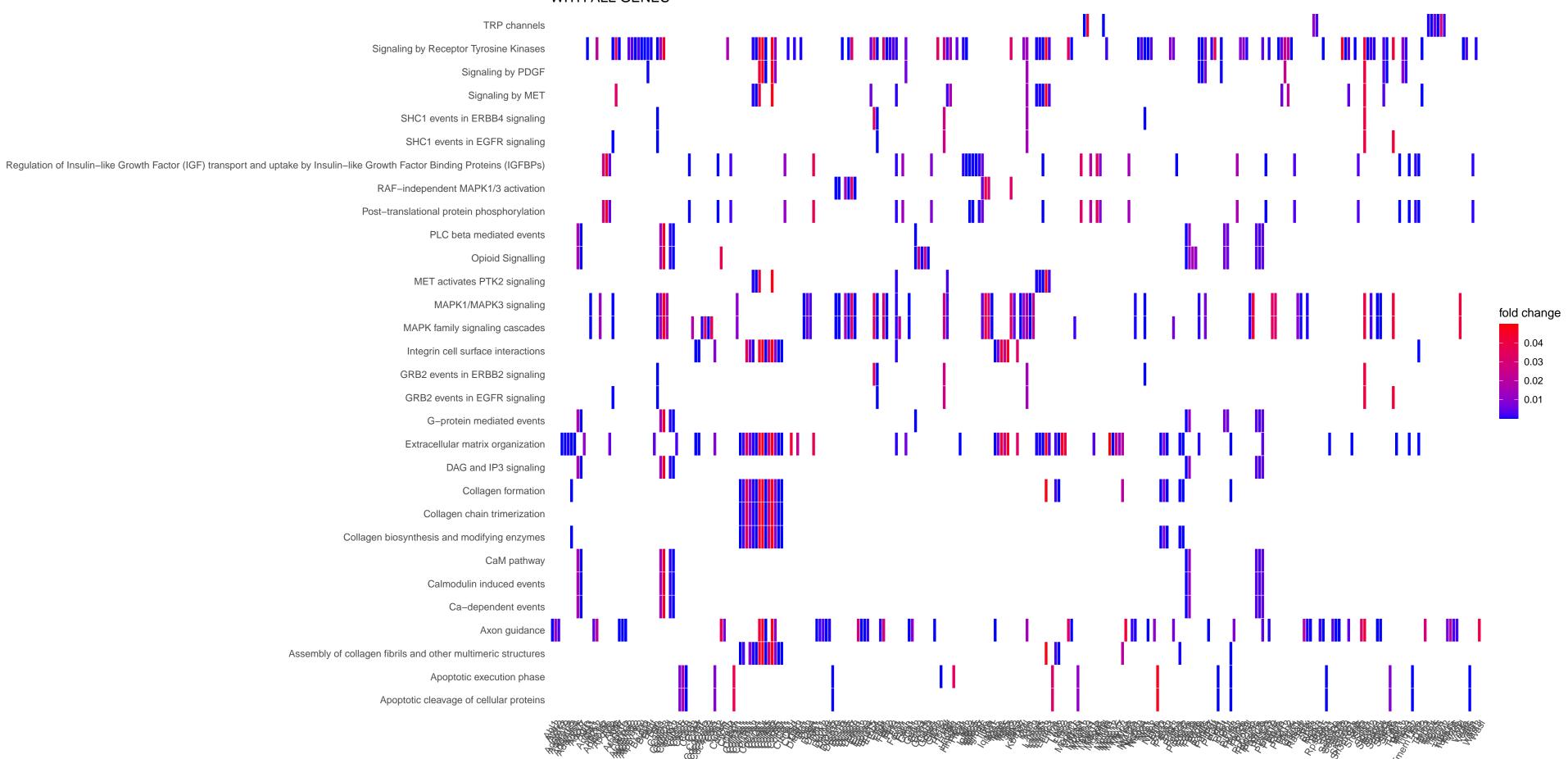
Collagen formation

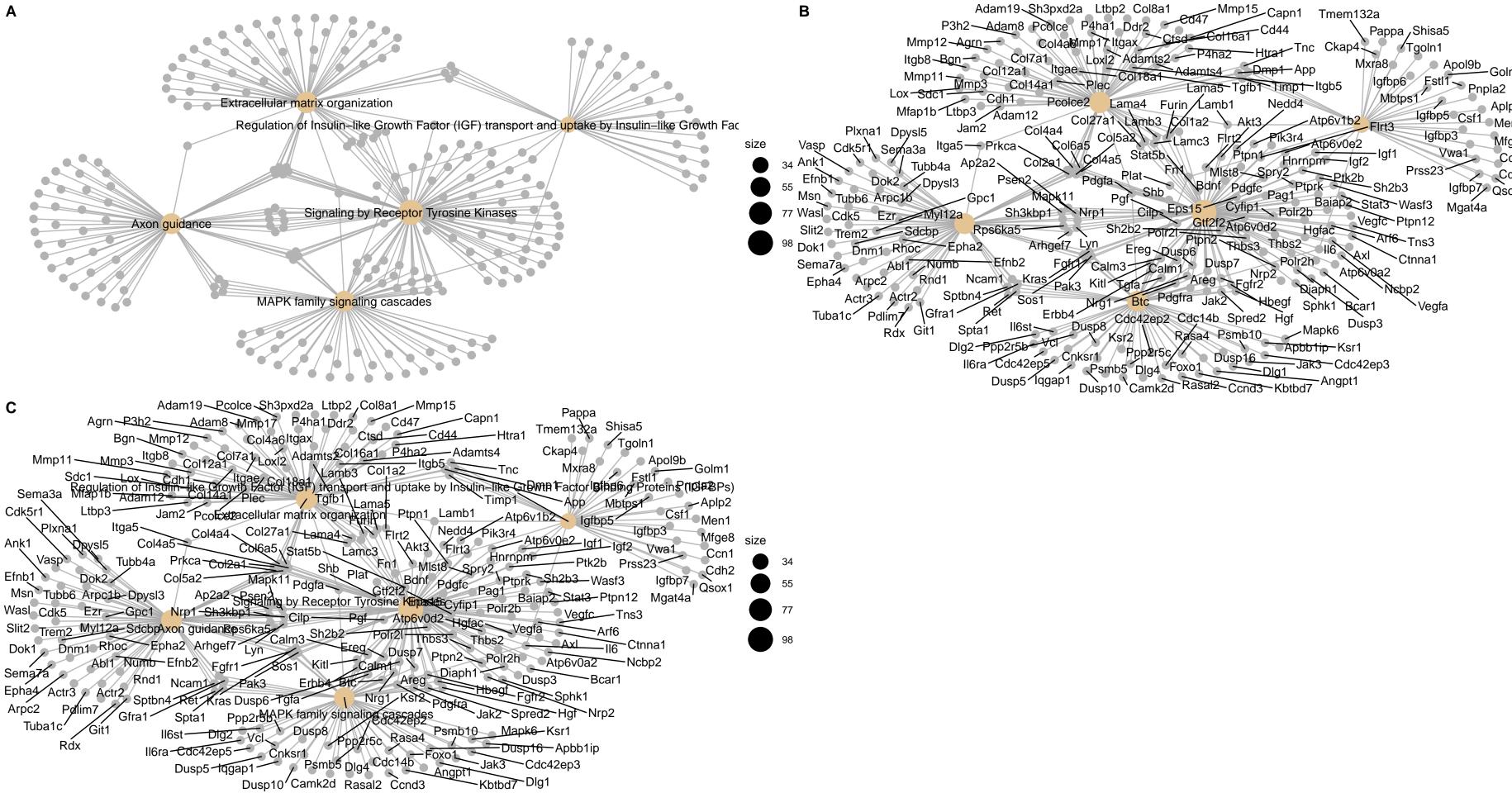
size





WITH ALL GENES





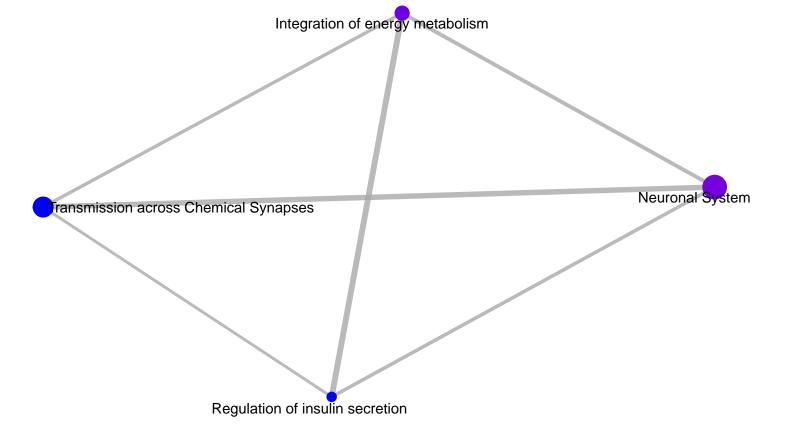
Apol9b

Igfbp5 Csf1 Men1

Mgat4a

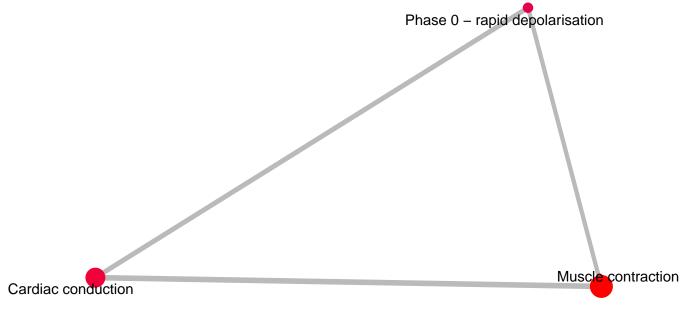
Igfbp7 Qsox1

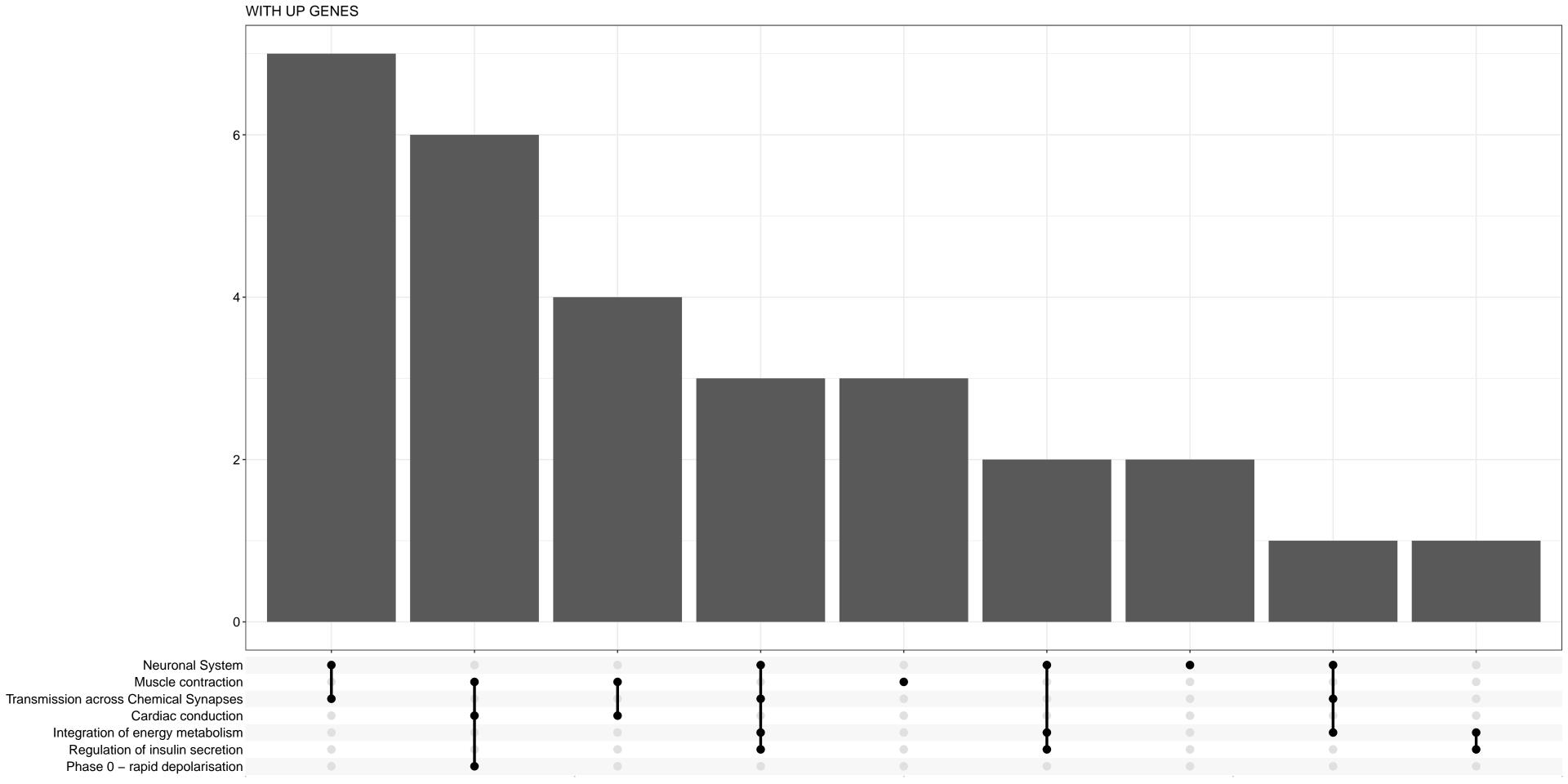
WITH UP GENES

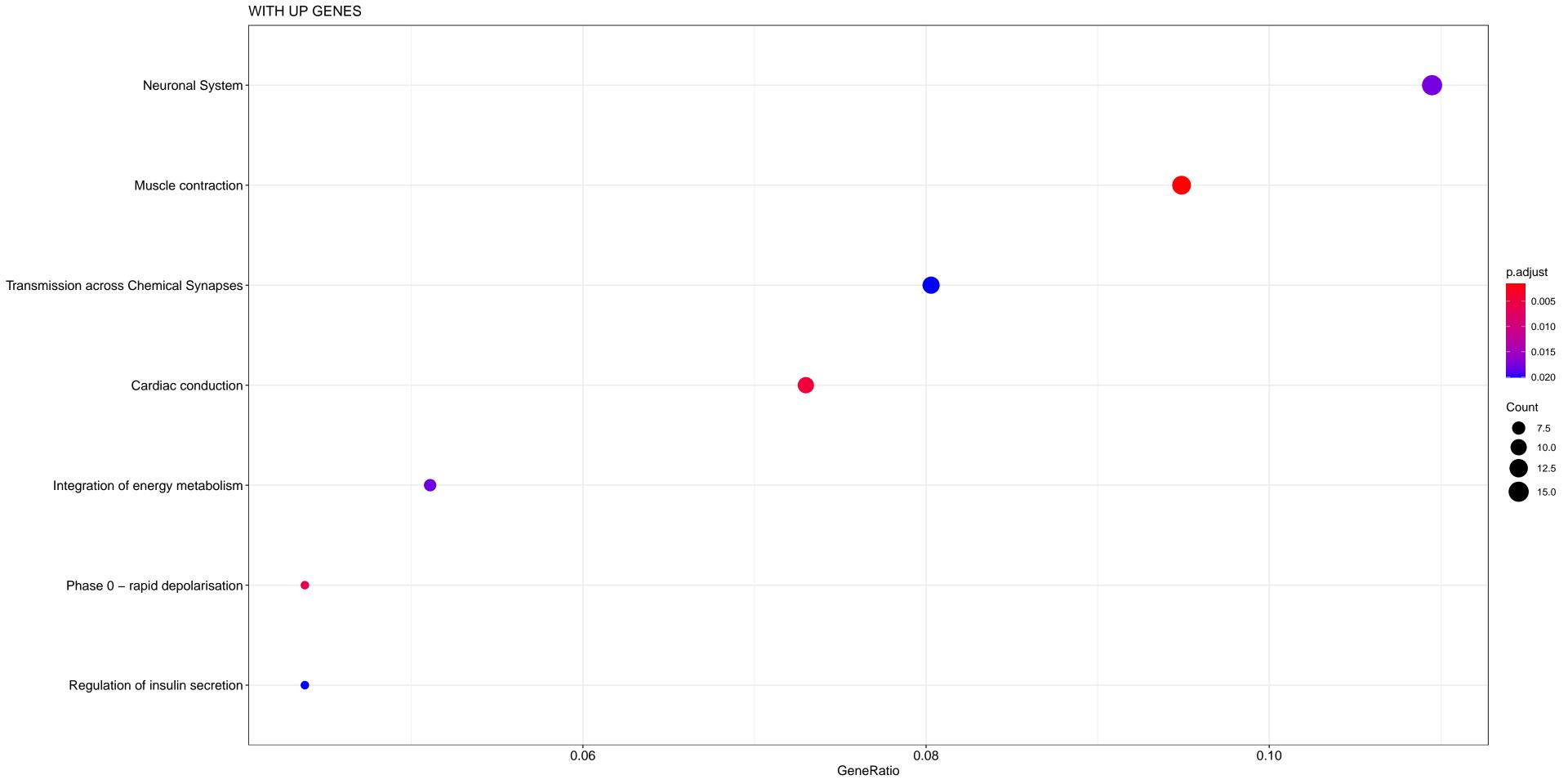


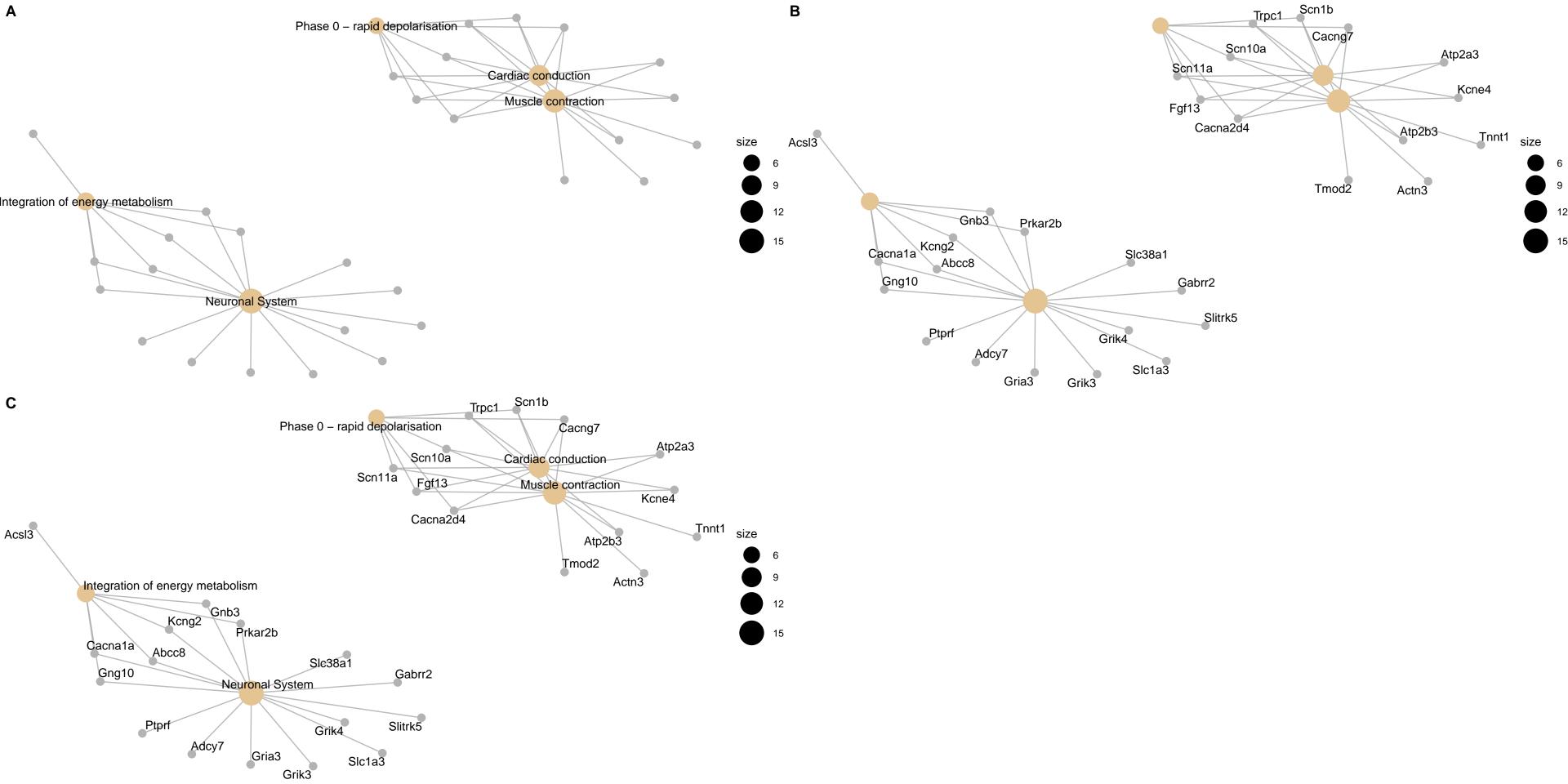


p.adjust









cGMP effects

O-linked glycosylation of mucins

O-linked glycosylation

TRP channels

Cell surface interactions at the vascular wall

Chondroitin sulfate biosynthesis

Regulation of Insulin–like Growth Factor (IGF) transport and uptake by Insulin–like Growth Factor Binding Proteins (GFBPs)

Glycosaminoglycan metabolism

Integrin cell surface interactions

Collagen degradation

Degradation of the extracellular matrix Collagen biosynthesis and modifying enzymes

Extracellular matrix organization

Collagen chain trimerization

Collagen formation

Assembly of collagen fibrils and other multimeric structures

MET activates PTK2 signaling

MET promotes cell motility

Signaling by MET

Signaling by Receptor Tyrosine Kinases

G alpha (i) signalling events

Interleukin-4 and Interleukin-13 signaling

p.adjust

0.02

0.03

Apoptotic execution phase

Programmed Cell Death

Apoptotic cleavage of cell adhesion proteins

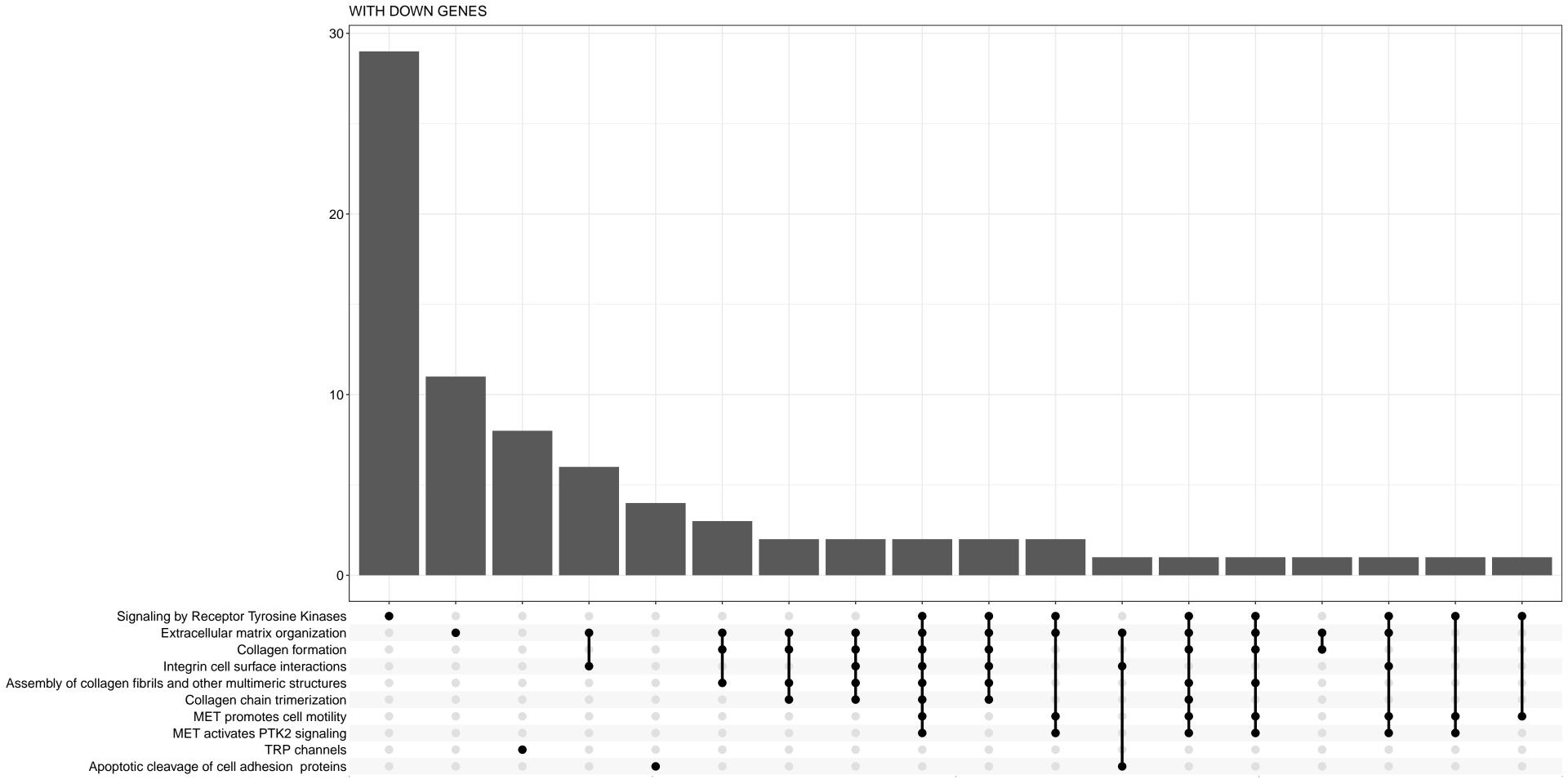
Apoptotic cleavage of cellular proteins

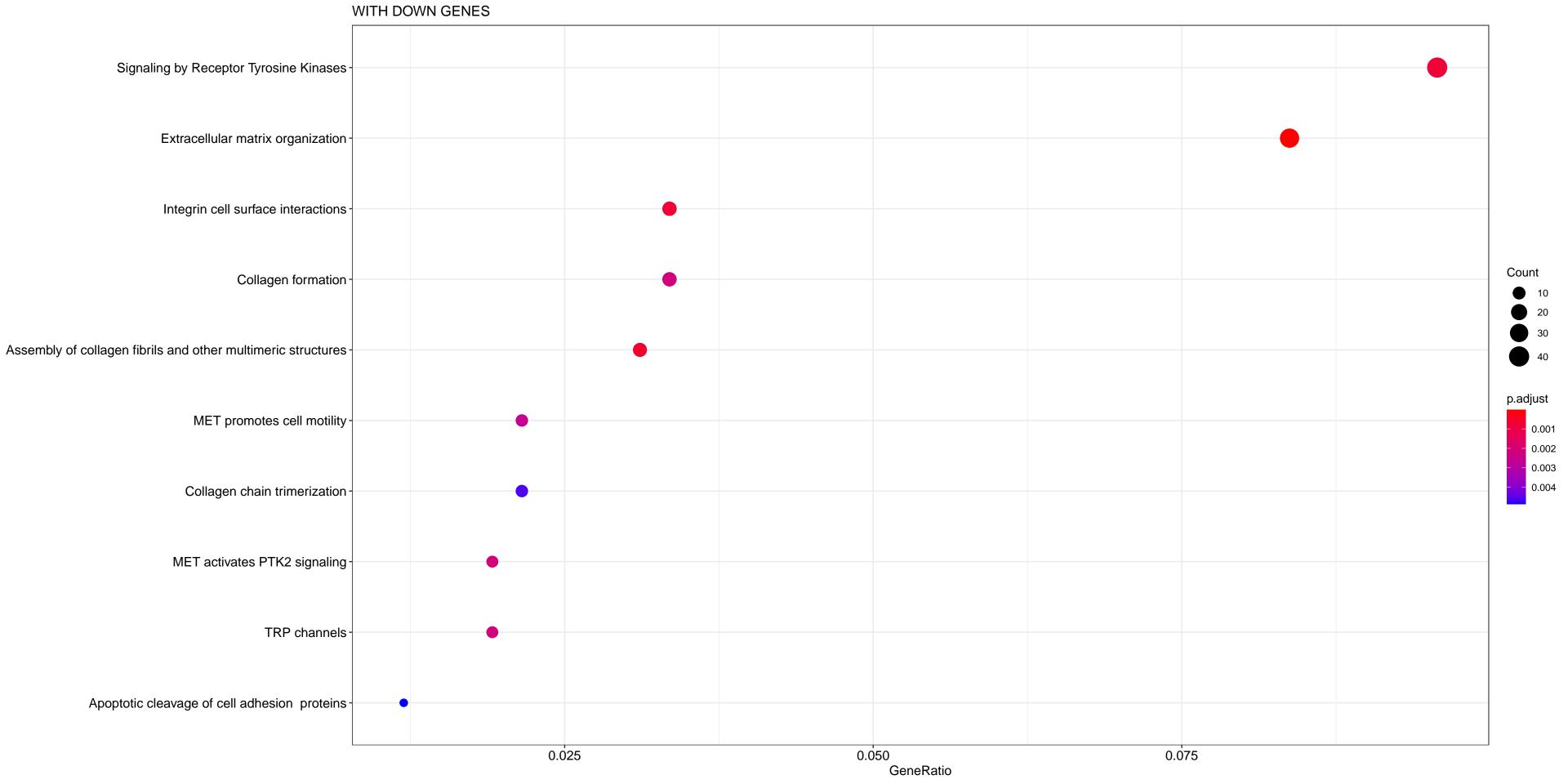
GAB1 signalosome

MAPK family signaling cascades

GRB2 events in EGFR signaling

SHC1 events in EGFR signaling





WITH DOWN GENES

