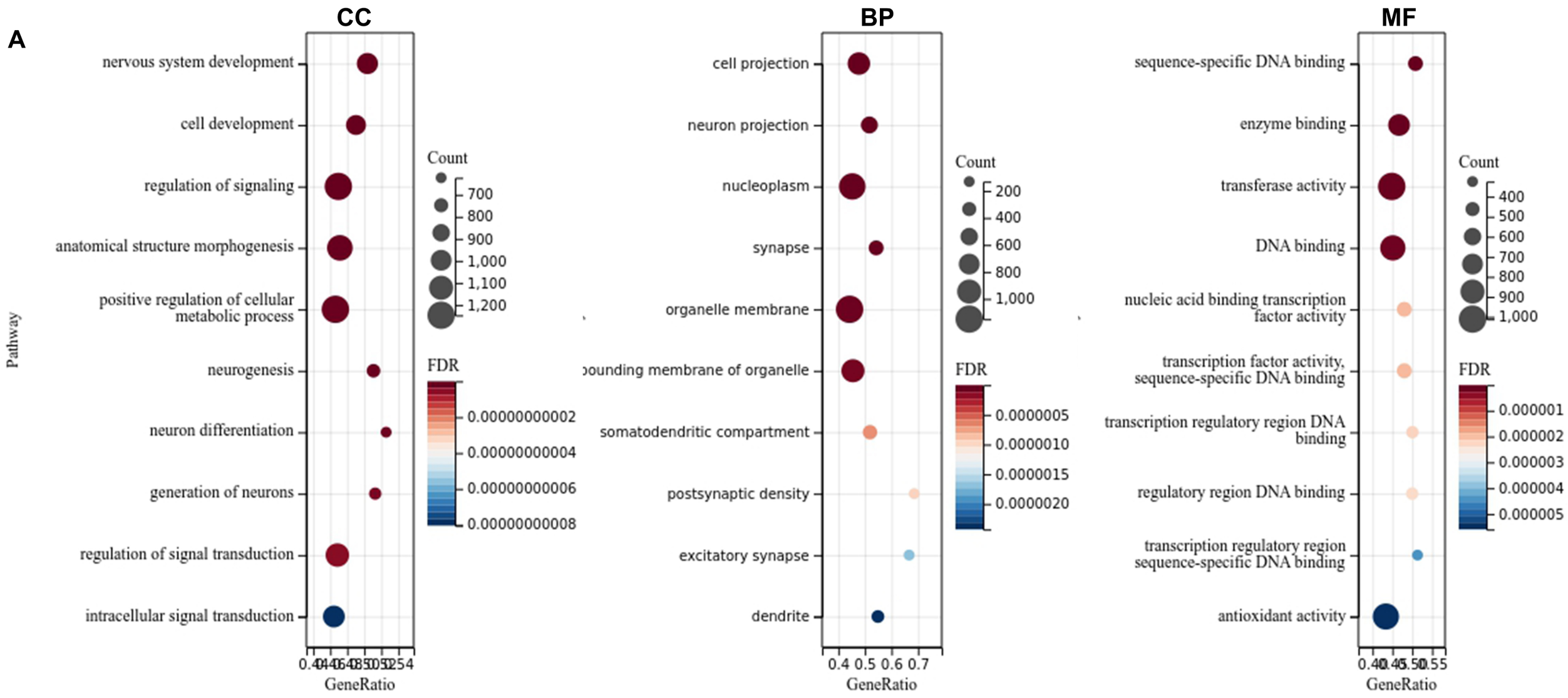
A
CC
nervous system development
cell development
regulation of signaling
anatomical structure morphogenesis
positive regulation of cellular metabolic process
neurogenesis
neuron differentiation
generation of neurons
regulation of signal transduction
intracellular signal transduction
Pathway
GeneRatio
Count
700
800
900
1,000
1,100
1,200
FDR
0.00000000002
0.00000000004
0.00000000006
0.00000000008
BP
cell projection
neuron projection
nucleoplasm
synapse
organelle membrane
bounding membrane of organelle
somatodendritic compartment
postsynaptic density
excitatory synapse
dendrite
0.4 0.5 0.6 0.7
GeneRatio
Count
200
400
600
800
1,000
FDR
0.0000005
0.0000010
0.0000015
0.0000020
MF
sequence-specific DNA binding
enzyme binding
transferase activity
DNA binding
nucleic acid binding transcription factor activity
transcription factor activity, sequence-specific DNA binding
transcription regulatory region DNA binding
regulatory region DNA binding
transcription regulatory region sequence-specific DNA binding
antioxidant activity
GeneRatio
Count
400
500
600
700
800
900
1,000
FDR
0.000001
0.000002
0.000003
0.000004
0.000005
B
Wnt signaling pathway
Axon guidance
Rap1 signaling pathway
Hippo signaling pathway
Phosphatidylinositol signaling system
MAPK signaling pathway
Longevity regulating pathway - mammal
FoxO signaling pathway
AMPK signaling pathway
Ras signaling pathway
Pathway
0.48 0.50 0.52 0.54 0.56 0.58
GeneRatio
Count
60
70
80
90
100
110
120
FDR
0.015
0.020
0.025
0.030
0.035
C
Neuroactive ligand-receptor interaction
PI3K-Akt signaling pathway
MAPK signaling pathway
Alzheimer disease
cAMP signaling pathway
Axon guidance
Wnt signaling pathway
FoxO signaling pathway
HIF-1 signaling pathway
Pantothenate and CoA biosynthesis
Pathway
0.0 0.5 1.0 1.5 2.0 2.5 3.0
GeneRatio
Count
10
20
30
40
50
60
70
FDR
0.005
0.010
0.015
0.020