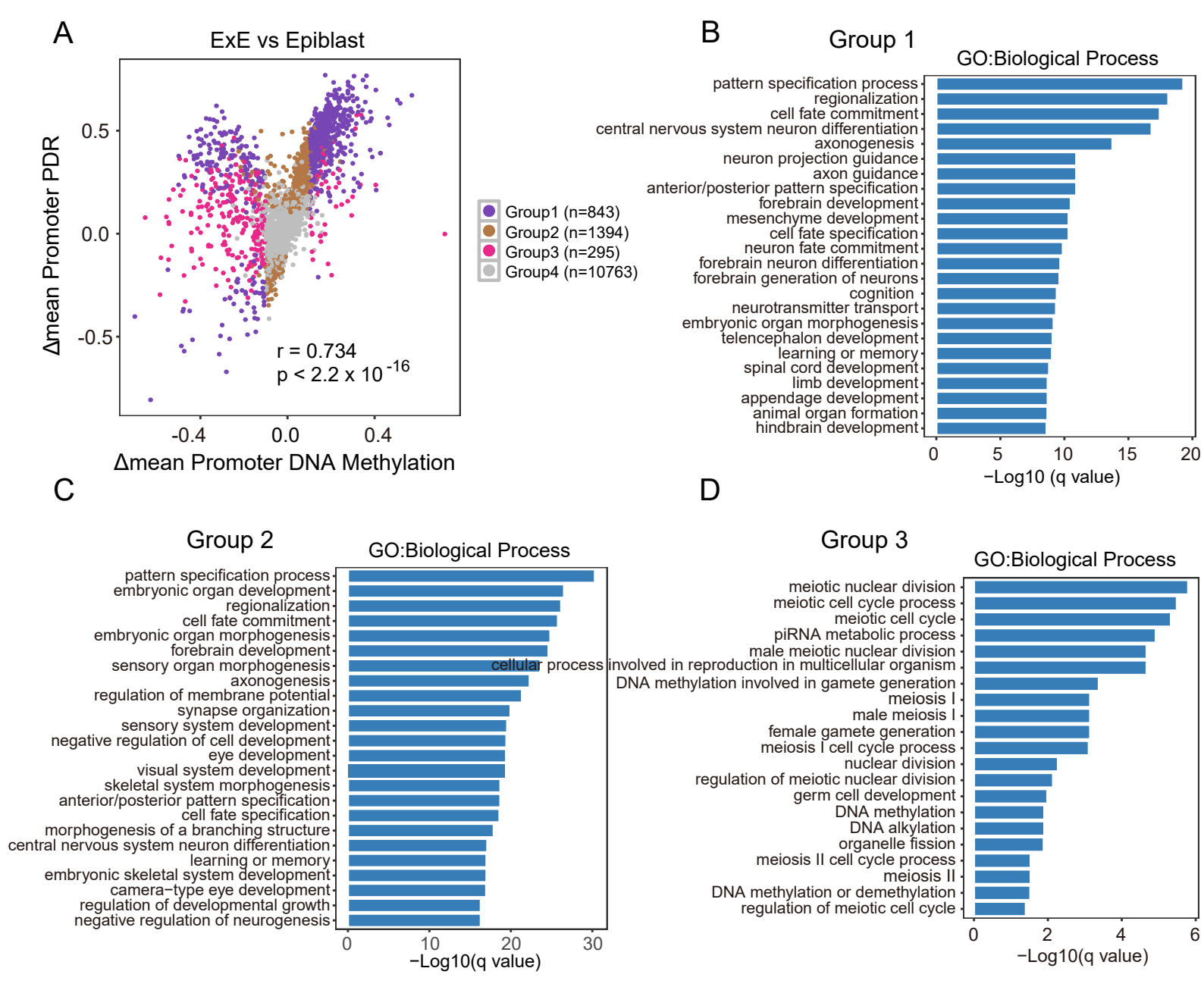
A
ExE vs Epiblast
Δmean Promoter PDR
Δmean Promoter DNA Methylation
0.5
0.0
-0.5
-0.4
0.0
0.4
r = 0.734
p < 2.2 x 10 -16
Group1 (n=843)
Group2 (n=1394)
Group3 (n=295)
Group4 (n=10763)
B
Group 1
GO:Biological Process
pattern specification process
regionalization
cell fate commitment
central nervous system neuron differentiation
axonogenesis
neuron projection guidance
axon guidance
anterior/posterior pattern specification
forebrain development
mesenchyme development
cell fate specification
neuron fate commitment
forebrain neuron differentiation
forebrain generation of neurons
cognition
neurotransmitter transport
embryonic organ morphogenesis
telencephalon development
learning or memory
spinal cord development
limb development
appendage development
animal organ formation
hindbrain development
0
5
10
15
20
−Log10 (q value)
C
Group 2
GO:Biological Process
pattern specification process
embryonic organ development
regionalization
cell fate commitment
embryonic organ morphogenesis
forebrain development
sensory organ morphogenesis
axonogenesis
regulation of membrane potential
synapse organization
sensory system development
negative regulation of cell development
eye development
visual system development
skeletal system morphogenesis
anterior/posterior pattern specification
cell fate specification
morphogenesis of a branching structure
central nervous system neuron differentiation
learning or memory
embryonic skeletal system development
camera−type eye development
regulation of developmental growth
negative regulation of neurogenesis
0
10
20
30
−Log10(q value)
D
Group 3
GO:Biological Process
meiotic nuclear division
meiotic cell cycle process
meiotic cell cycle
piRNA metabolic process
male meiotic nuclear division
cellular process involved in reproduction in multicellular organism
DNA methylation involved in gamete generation
meiosis I
male meiosis I
female gamete generation
meiosis I cell cycle process
nuclear division
regulation of meiotic nuclear division
germ cell development
DNA methylation
DNA alkylation
organelle fission
meiosis II cell cycle process
meiosis II
DNA methylation or demethylation
regulation of meiotic cell cycle
0
2
4
6
−Log10(q value)