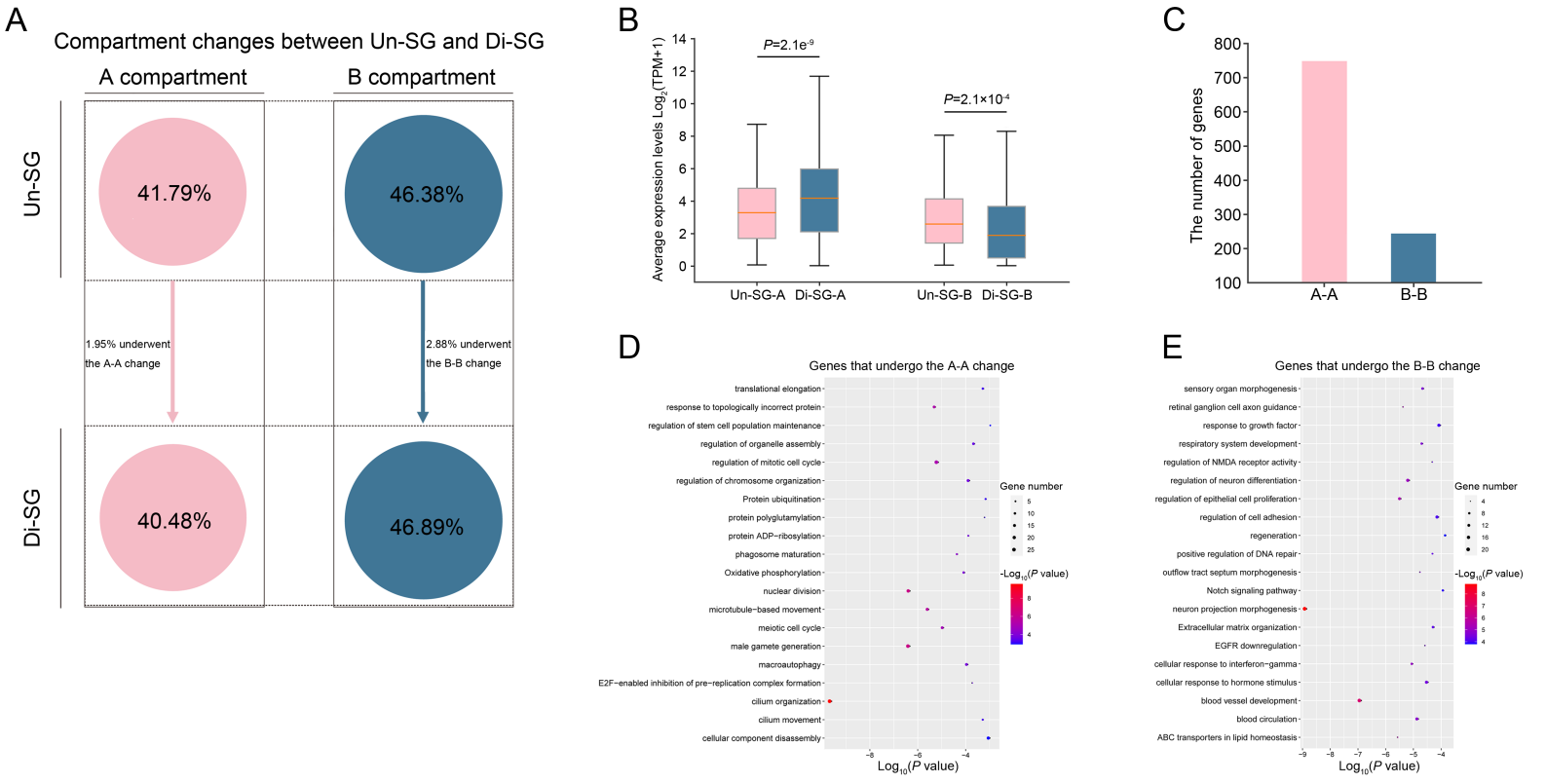
A
Compartment changes between Un-SG and Di-SG
A compartment
B compartment
Un-SG
Di-SG
41.79%
46.38%
40.48%
46.89%
1.95% underwent the A-A change
2.88% underwent the B-B change
B
P=2.1e-9
P=2.1×10-4
Average expression levels Log2(TPM+1)
Un-SG-A
Di-SG-A
Un-SG-B
Di-SG-B
C
The number of genes
A-A
B-B
D
Genes that undergo the A-A change
translational elongation
response to topologically incorrect protein
regulation of stem cell population maintenance
regulation of organelle assembly
regulation of mitotic cell cycle
regulation of chromosome organization
Protein ubiquitination
protein polyglutamylation
protein ADP-ribosylation
phagosome maturation
Oxidative phosphorylation
nuclear division
microtubule-based movement
meiotic cell cycle
male gamete generation
macroautophagy
E2F-enabled inhibition of pre-replication complex formation
cilium organization
cilium movement
cellular component disassembly
Gene number
-Log10(P value)
Log10(P value)
E
Genes that undergo the B-B change
sensory organ morphogenesis
retinal ganglion cell axon guidance
response to growth factor
respiratory system development
regulation of NMDA receptor activity
regulation of neuron differentiation
regulation of epithelial cell proliferation
regulation of cell adhesion
regeneration
positive regulation of DNA repair
outflow tract septum morphogenesis
Notch signaling pathway
neuron projection morphogenesis
Extracellular matrix organization
EGFR downregulation
cellular response to interferon-gamma
cellular response to hormone stimulus
blood vessel development
blood circulation
ABC transporters in lipid homeostasis
Gene number
-Log10(P value)
Log10(P value)