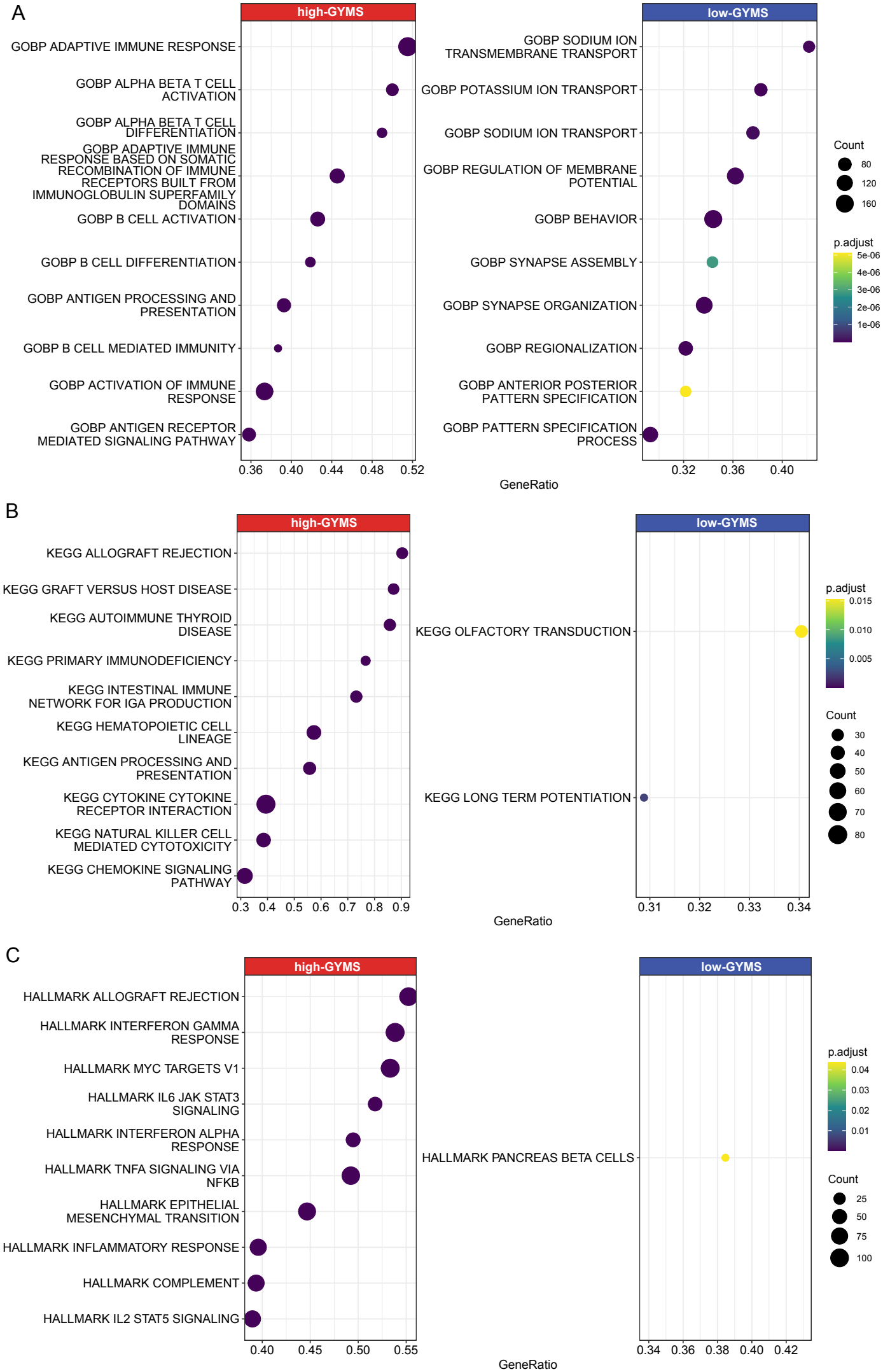
A
high-GYMS
low-GYMS
GOBP ADAPTIVE IMMUNE RESPONSE
GOBP ALPHA BETA T CELL ACTIVATION
GOBP ALPHA BETA T CELL DIFFERENTIATION
GOBP ADAPTIVE IMMUNE RESPONSE BASED ON SOMATIC RECOMBINATION OF IMMUNE RECEPTORS BUILT FROM IMMUNOGLOBULIN SUPERFAMILY DOMAINS
GOBP B CELL ACTIVATION
GOBP B CELL DIFFERENTIATION
GOBP ANTIGEN PROCESSING AND PRESENTATION
GOBP B CELL MEDIATED IMMUNITY
GOBP ACTIVATION OF IMMUNE RESPONSE
GOBP ANTIGEN RECEPTOR MEDIATED SIGNALING PATHWAY
0.36 0.40 0.44 0.48 0.52
GOBP SODIUM ION TRANSMEMBRANE TRANSPORT
GOBP POTASSIUM ION TRANSPORT
GOBP SODIUM ION TRANSPORT
GOBP REGULATION OF MEMBRANE POTENTIAL
GOBP BEHAVIOR
GOBP SYNAPSE ASSEMBLY
GOBP SYNAPSE ORGANIZATION
GOBP REGIONALIZATION
GOBP ANTERIOR POSTERIOR PATTERN SPECIFICATION
GOBP PATTERN SPECIFICATION PROCESS
0.32 0.36 0.40
GeneRatio
Count
80
120
160
p.adjust
5e-06
4e-06
3e-06
2e-06
1e-06
B
high-GYMS
low-GYMS
KEGG ALLOGRAFT REJECTION
KEGG GRAFT VERSUS HOST DISEASE
KEGG AUTOIMMUNE THYROID DISEASE
KEGG PRIMARY IMMUNODEFICIENCY
KEGG INTESTINAL IMMUNE NETWORK FOR IGA PRODUCTION
KEGG HEMATOPOIETIC CELL LINEAGE
KEGG ANTIGEN PROCESSING AND PRESENTATION
KEGG CYTOKINE CYTOKINE RECEPTOR INTERACTION
KEGG NATURAL KILLER CELL MEDIATED CYTOTOXICITY
KEGG CHEMOKINE SIGNALING PATHWAY
0.3 0.4 0.5 0.6 0.7 0.8 0.9
KEGG OLFACTORY TRANSDUCTION
KEGG LONG TERM POTENTIATION
0.31 0.32 0.33 0.34
GeneRatio
p.adjust
0.015
0.010
0.005
Count
30
40
50
60
70
80
C
high-GYMS
low-GYMS
HALLMARK ALLOGRAFT REJECTION
HALLMARK INTERFERON GAMMA RESPONSE
HALLMARK MYC TARGETS V1
HALLMARK IL6 JAK STAT3 SIGNALING
HALLMARK INTERFERON ALPHA RESPONSE
HALLMARK TNFA SIGNALING VIA NFKB
HALLMARK EPITHELIAL MESENCHYMAL TRANSITION
HALLMARK INFLAMMATORY RESPONSE
HALLMARK COMPLEMENT
HALLMARK IL2 STAT5 SIGNALING
0.40 0.45 0.50 0.55
HALLMARK PANCREAS BETA CELLS
0.34 0.36 0.38 0.40 0.42
GeneRatio
p.adjust
0.04
0.03
0.02
0.01
Count
25
50
75
100