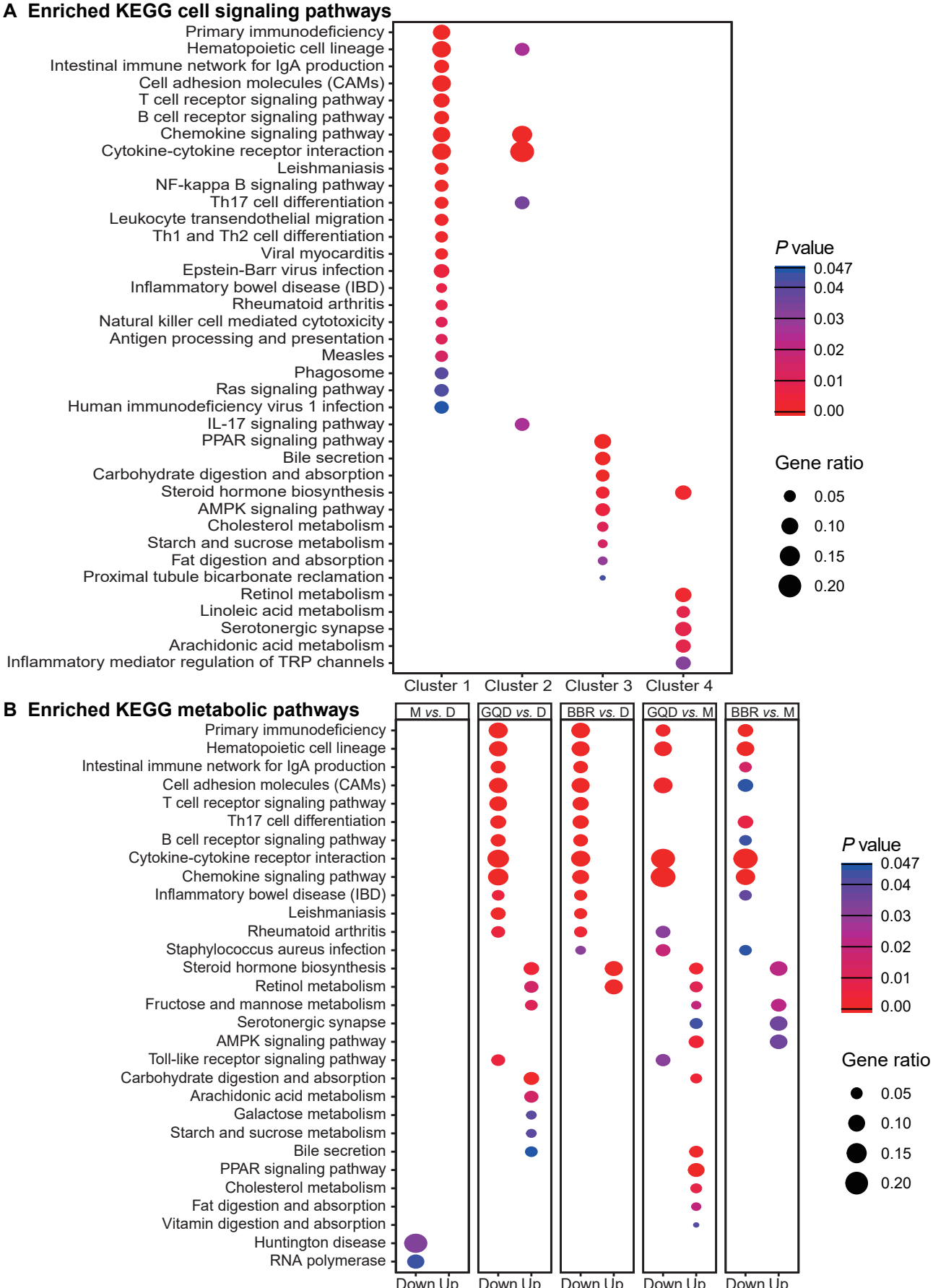
A Enriched KEGG cell signaling pathways
Primary immunodeficiency
Hematopoietic cell lineage
Intestinal immune network for IgA production
Cell adhesion molecules (CAMs)
T cell receptor signaling pathway
B cell receptor signaling pathway
Chemokine signaling pathway
Cytokine-cytokine receptor interaction
Leishmaniasis
NF-kappa B signaling pathway
Th17 cell differentiation
Leukocyte transendothelial migration
Th1 and Th2 cell differentiation
Viral myocarditis
Epstein-Barr virus infection
Inflammatory bowel disease (IBD)
Rheumatoid arthritis
Natural killer cell mediated cytotoxicity
Antigen processing and presentation
Measles
Phagosome
Ras signaling pathway
Human immunodeficiency virus 1 infection
IL-17 signaling pathway
PPAR signaling pathway
Bile secretion
Carbohydrate digestion and absorption
Steroid hormone biosynthesis
AMPK signaling pathway
Cholesterol metabolism
Starch and sucrose metabolism
Fat digestion and absorption
Proximal tubule bicarbonate reclamation
Retinol metabolism
Linoleic acid metabolism
Serotonergic synapse
Arachidonic acid metabolism
Inflammatory mediator regulation of TRP channels
Cluster 1
Cluster 2
Cluster 3
Cluster 4
P value
0.047
0.04
0.03
0.02
0.01
0.00
Gene ratio
0.05
0.10
0.15
0.20
B Enriched KEGG metabolic pathways
M vs. D
GQD vs. D
BBR vs. D
GQD vs. M
BBR vs. M
Primary immunodeficiency
Hematopoietic cell lineage
Intestinal immune network for IgA production
Cell adhesion molecules (CAMs)
T cell receptor signaling pathway
Th17 cell differentiation
B cell receptor signaling pathway
Cytokine-cytokine receptor interaction
Chemokine signaling pathway
Inflammatory bowel disease (IBD)
Leishmaniasis
Rheumatoid arthritis
Staphylococcus aureus infection
Steroid hormone biosynthesis
Retinol metabolism
Fructose and mannose metabolism
Serotonergic synapse
AMPK signaling pathway
Toll-like receptor signaling pathway
Carbohydrate digestion and absorption
Arachidonic acid metabolism
Galactose metabolism
Starch and sucrose metabolism
Bile secretion
PPAR signaling pathway
Cholesterol metabolism
Fat digestion and absorption
Vitamin digestion and absorption
Huntington disease
RNA polymerase
Down Up
P value
0.047
0.04
0.03
0.02
0.01
0.00
Gene ratio
0.05
0.10
0.15
0.20