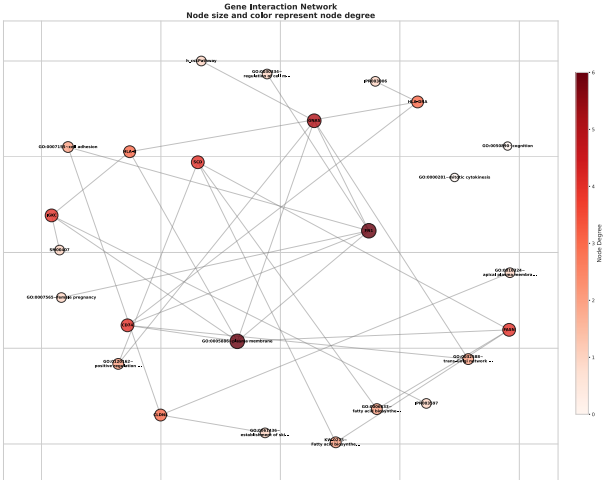
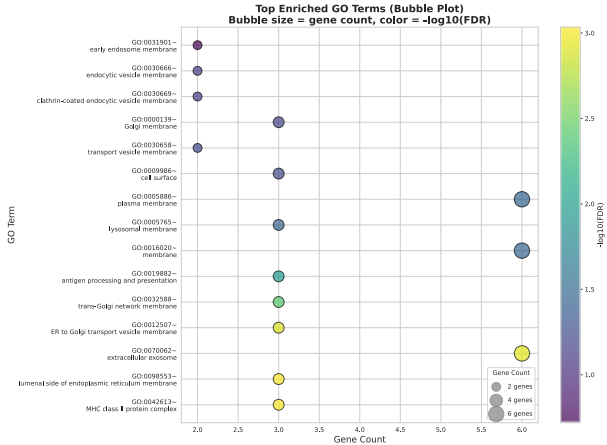
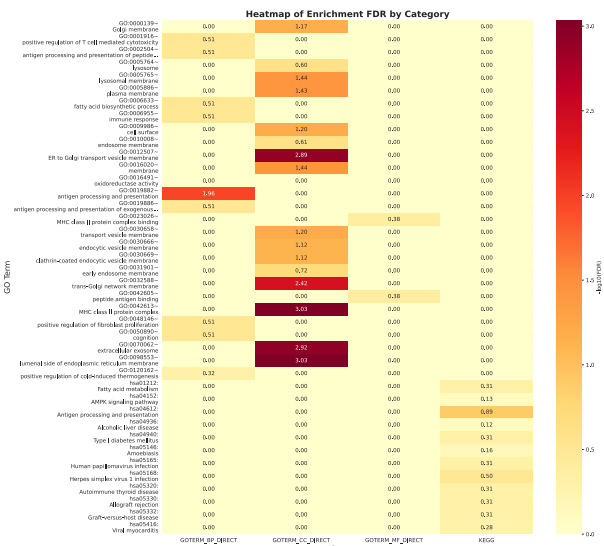
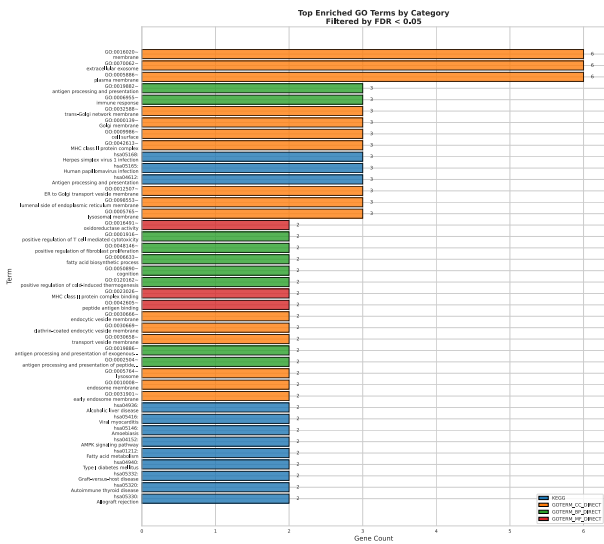

Gene Interaction Network
Node size and color represent node degree
Node Degree


Top Enriched GO Terms (Bubble Plot)
Bubble size = gene count, color = -log10(FDR)
GO:0031901~ early endosome membrane
GO:0030666~ endocytic vesicle membrane
GO:0030669~ clathrin-coated endocytic vesicle membrane
GO:0000139~ Golgi membrane
GO:0030658~ transport vesicle membrane
GO:0009986~ cell surface
GO:0005886~ plasma membrane
GO:0005765~ lysosomal membrane
GO:0016020~ membrane
GO:0019882~ antigen processing and presentation
GO:0032588~ trans-Golgi network membrane
GO:0012507~ ER to Golgi transport vesicle membrane
GO:0070062~ extracellular exosome
GO:0098553~ lumenal side of endoplasmic reticulum membrane
GO:0042613~ MHC class II protein complex
GO Term
Gene Count
-log10(FDR)
Gene Count
2 genes
4 genes
6 genes


Heatmap of Enrichment FDR by Category
GO:0000139~ Golgi membrane 0.00 1.17 0.00 0.00
GO:0001916~ positive regulation of T cell mediated cytotoxicity 0.51 0.00 0.00 0.00
GO:0002504~ antigen processing and presentation of peptide... 0.51 0.00 0.00 0.00
GO:0005764~ lysosome 0.00 0.60 0.00 0.00
GO:0005765~ lysosomal membrane 0.00 1.44 0.00 0.00
GO:0005886~ plasma membrane 0.00 1.43 0.00 0.00
GO:0006633~ fatty acid biosynthetic process 0.51 0.00 0.00 0.00
GO:0006955~ immune response 0.51 0.00 0.00 0.00
GO:0009986~ cell surface 0.00 1.28 0.00 0.00
GO:0010008~ endosome membrane 0.00 0.61 0.00 0.00
GO:0012507~ ER to Golgi transport vesicle membrane 0.00 2.89 0.00 0.00
GO:0016020~ membrane 0.00 1.44 0.00 0.00
GO:0016491~ oxidoreductase activity 0.00 0.00 0.00 0.00
GO:0019882~ antigen processing and presentation 1.96 0.00 0.00 0.00
GO:0019886~ antigen processing and presentation of exogenous... 0.51 0.00 0.00 0.00
GO:0023026~ MHC class II protein complex binding 0.00 0.00 0.38 0.00
GO:0030658~ transport vesicle membrane 0.00 1.20 0.00 0.00
GO:0030666~ endocytic vesicle membrane 0.00 1.12 0.00 0.00
GO:0030669~ clathrin-coated endocytic vesicle membrane 0.00 1.12 0.00 0.00
GO:0031901~ early endosome membrane 0.00 0.72 0.00 0.00
GO:0032588~ trans-Golgi network membrane 0.00 2.43 0.00 0.00
GO:0042605~ peptide antigen binding 0.00 0.00 0.38 0.00
GO:0042613~ MHC class II protein complex 0.00 3.03 0.00 0.00
GO:0048146~ positive regulation of fibroblast proliferation 0.51 0.00 0.00 0.00
GO:0050890~ cognition 0.51 0.00 0.00 0.00
GO:0070062~ extracellular exosome 0.00 2.92 0.00 0.00
GO:0098553~ lumenal side of endoplasmic reticulum membrane 0.00 3.03 0.00 0.00
GO:0120162~ positive regulation of cell-induced thermogenesis 0.32 0.00 0.00 0.00
hsa01212: Fatty acid metabolism 0.00 0.00 0.00 0.31
hsa04150: AMPK signaling pathway 0.00 0.00 0.00 0.13
hsa04612: Antigen processing and presentation 0.00 0.00 0.00 0.89
hsa04936: Alcoholic liver disease 0.00 0.00 0.00 0.12
hsa04940: Type I diabetes mellitus 0.00 0.00 0.00 0.31
hsa05146: Amoebiasis 0.00 0.00 0.00 0.16
hsa05165: Human papillomavirus infection 0.00 0.00 0.00 0.31
hsa05168: Herpes simplex virus 1 infection 0.00 0.00 0.00 0.50
hsa05320: Autoimmune thyroid disease 0.00 0.00 0.00 0.31
hsa05330: Allograft rejection 0.00 0.00 0.00 0.31
hsa05332: Graft-versus-host disease 0.00 0.00 0.00 0.31
hsa05416: Viral myocarditis 0.00 0.00 0.00 0.28
GO Term
GOTERM_BP_DIRECT
GOTERM_CC_DIRECT
GOTERM_MF_DIRECT
KEGG
Category
-log10(FDR)


Top Enriched GO Terms by Category
Filtered by FDR < 0.05
GO:0016020~ membrane
GO:0070062~ extracellular exosome
GO:0005886~ plasma membrane
GO:0019882~ antigen processing and presentation
GO:0006955~ immune response
GO:0005765~ lysosomal membrane
GO:0032588~ trans-Golgi network membrane
GO:0000139~ Golgi membrane
GO:0009986~ cell surface
GO:0042613~ MHC class II protein complex
hsa05168: Herpes simplex virus 1 infection
hsa05165: Human papillomavirus infection
hsa04612: Antigen processing and presentation
GO:0012507~ ER to Golgi transport vesicle membrane
GO:0098553~ lumenal side of endoplasmic reticulum membrane
GO:0005764~ lysosomal membrane
GO:0016491~ oxidoreductase activity
GO:0001916~ positive regulation of T cell mediated cytotoxicity
GO:0048146~ positive regulation of fibroblast proliferation
GO:0006633~ fatty acid biosynthetic process
GO:0050890~ cognition
GO:0120162~ positive regulation of cell-induced thermogenesis
GO:0023026~ MHC class II protein complex binding
GO:0042605~ peptide antigen binding
GO:0030666~ endocytic vesicle membrane
GO:0030669~ clathrin-coated endocytic vesicle membrane
GO:0030658~ transport vesicle membrane
GO:0002504~ antigen processing and presentation of peptide...
GO:0002504~ antigen processing and presentation of peptide...
GO:0005764~ lysosome
GO:0010008~ endosome membrane
GO:0031901~ early endosome membrane
hsa04936: Alcoholic liver disease
hsa05416: Viral myocarditis
hsa05146: Amoebiasis
hsa04150: AMPK signaling pathway
hsa01212: Fatty acid metabolism
hsa04940: Type I diabetes mellitus
hsa05332: Graft-versus-host disease
hsa05320: Autoimmune thyroid disease
hsa05330: Allograft rejection
Term
Gene Count
KEGG
GOTERM_CC_DIRECT
GOTERM_BP_DIRECT
GOTERM_MF_DIRECT