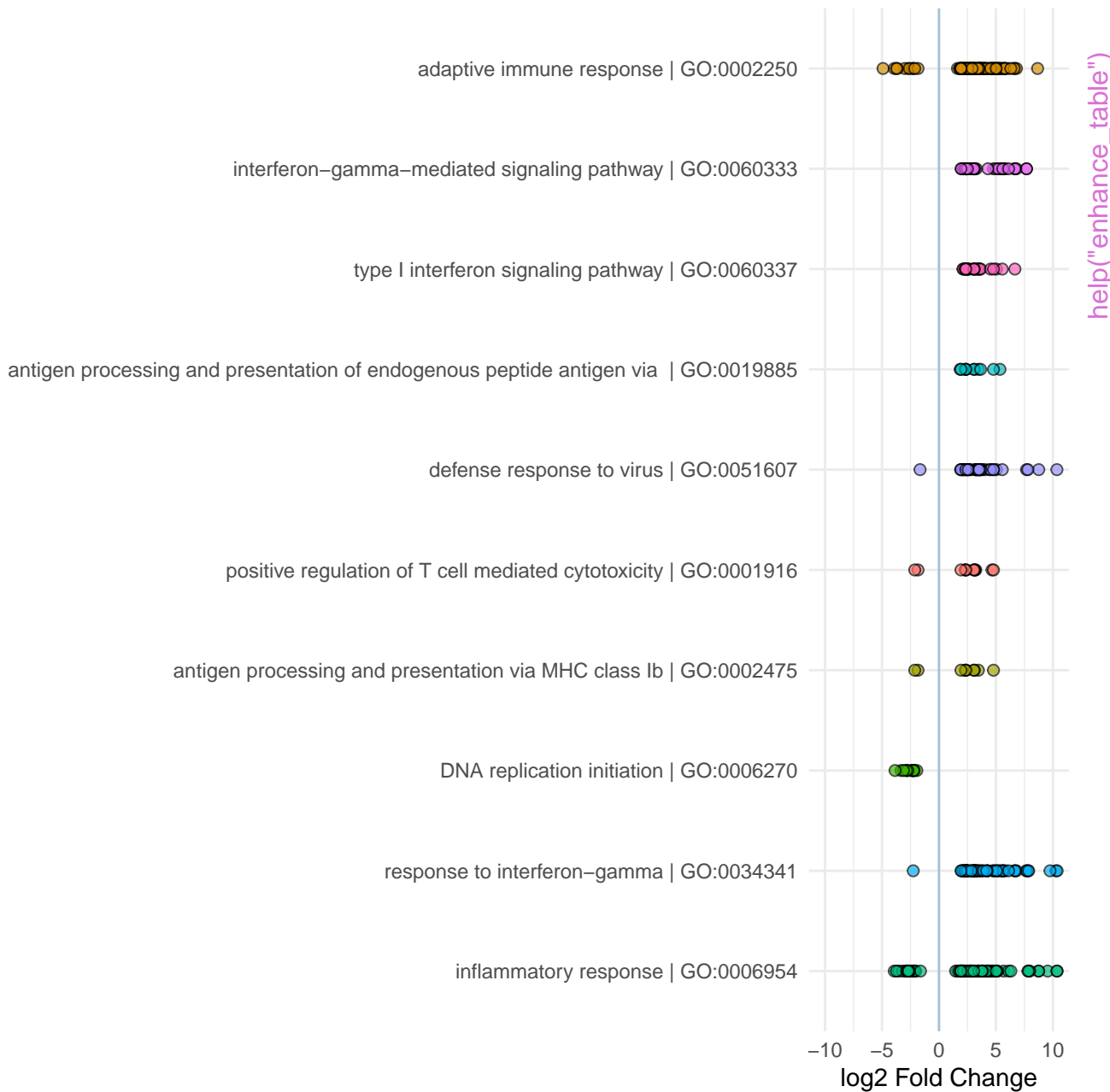
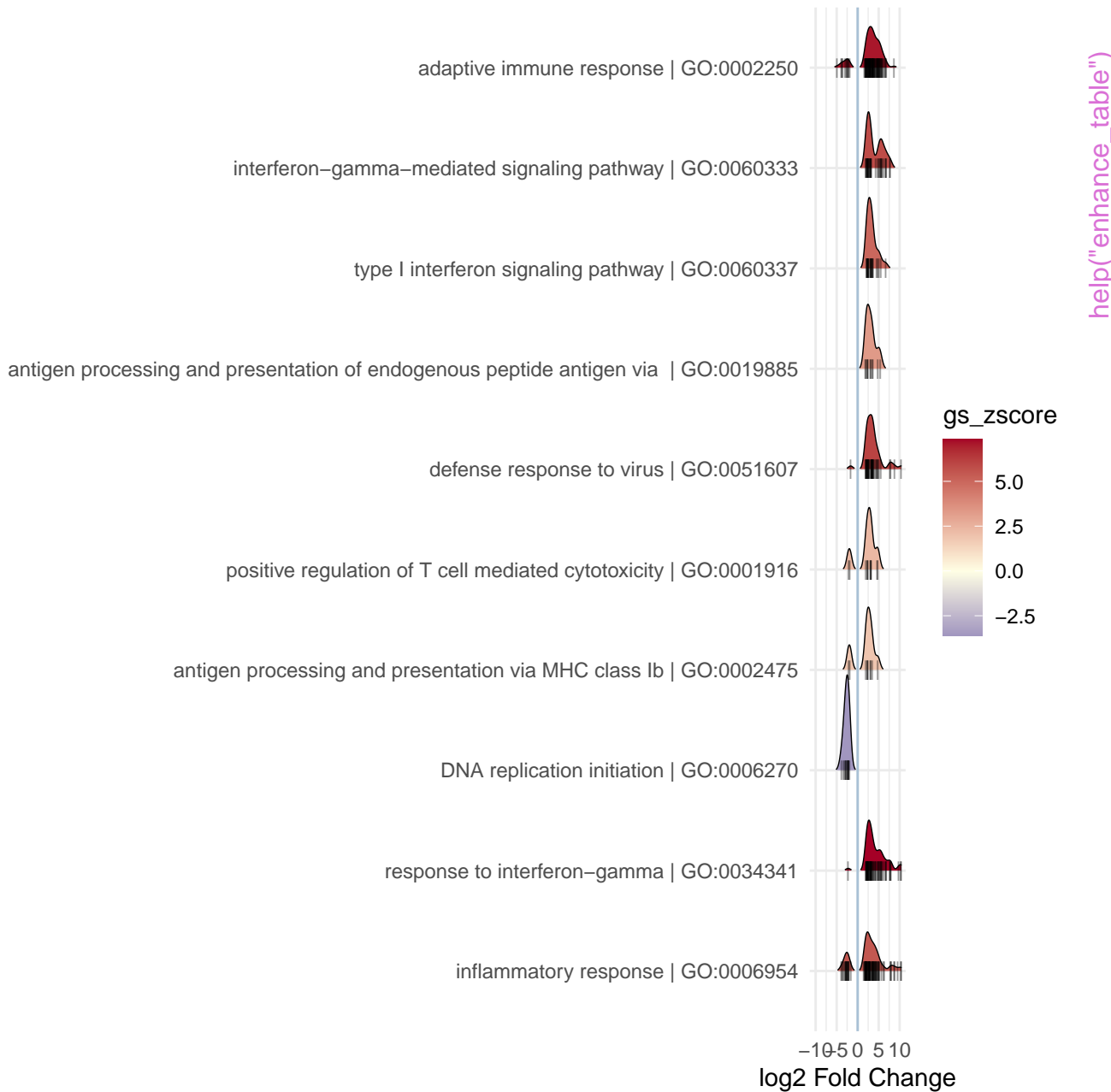


help("cluster_markov")

Enrichment overview –

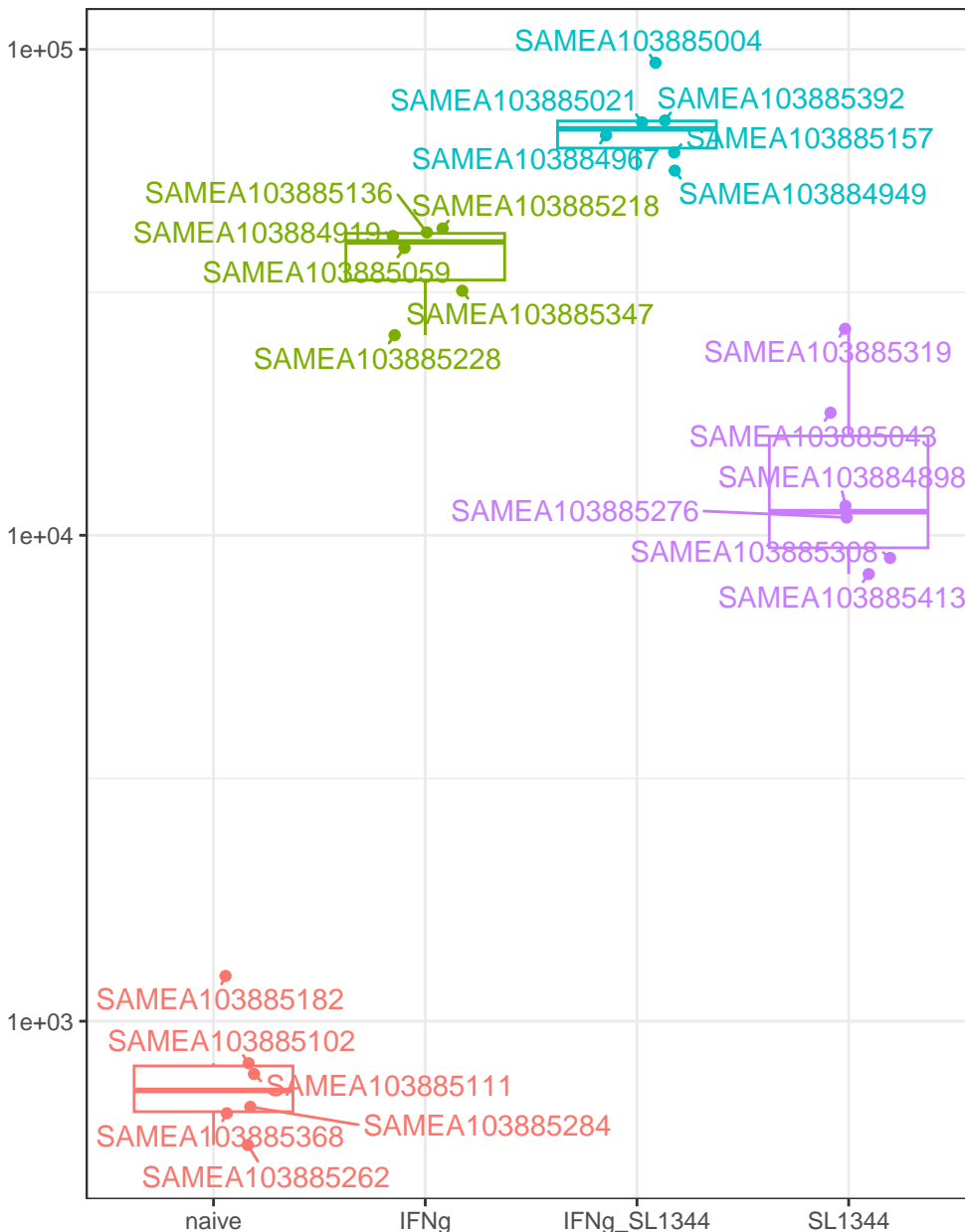


Enrichment overview –



IRF1 – ENSG00000125347

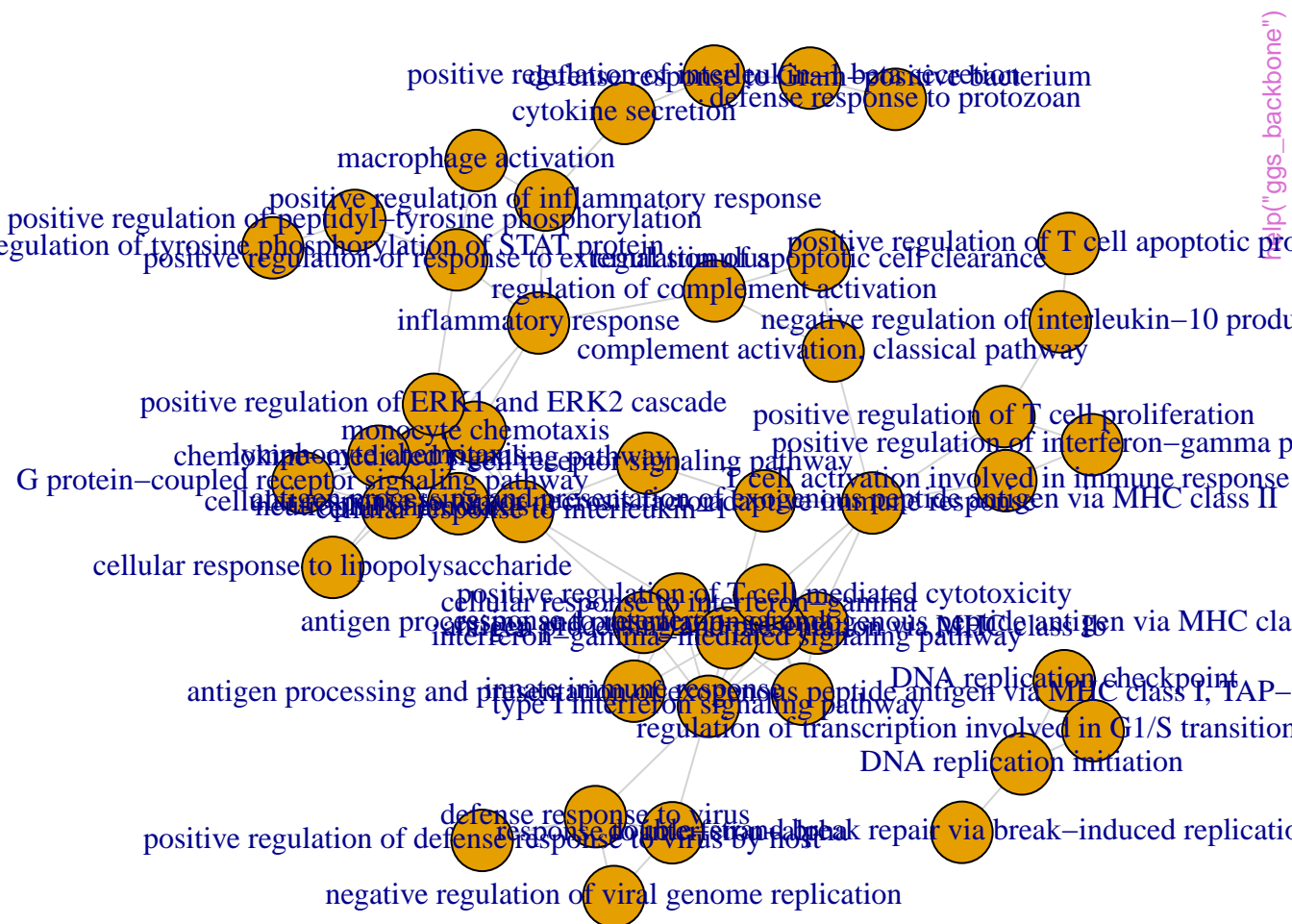
Normalized counts (log10 scale)



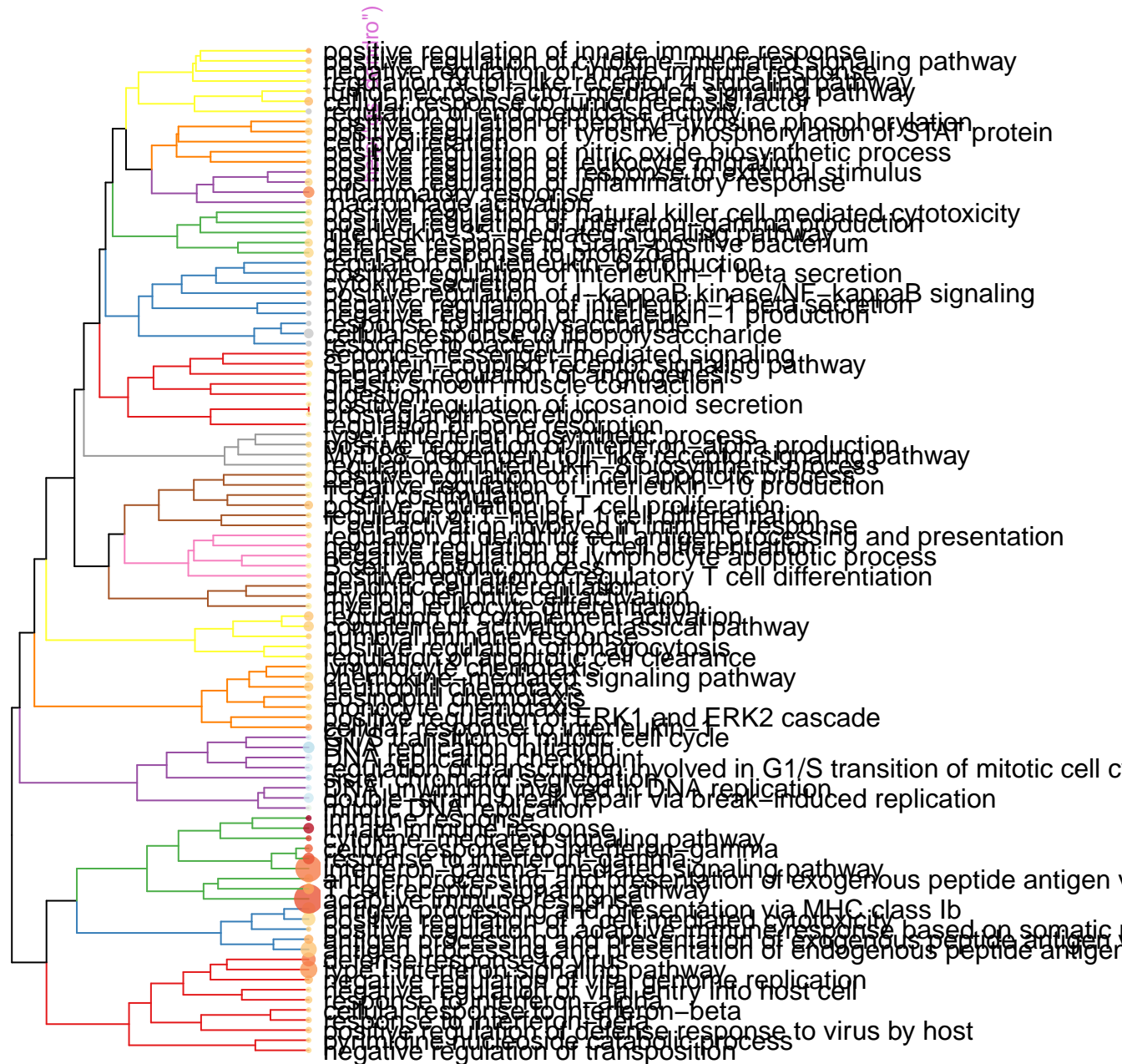
Experimental group

- naive
- IFNg
- IFNg_SL1344
- SL1344

help("gene_plot")



```
plp("ggs_backbone")
```



Signature heatmap – adaptive immune response – GO:0002250

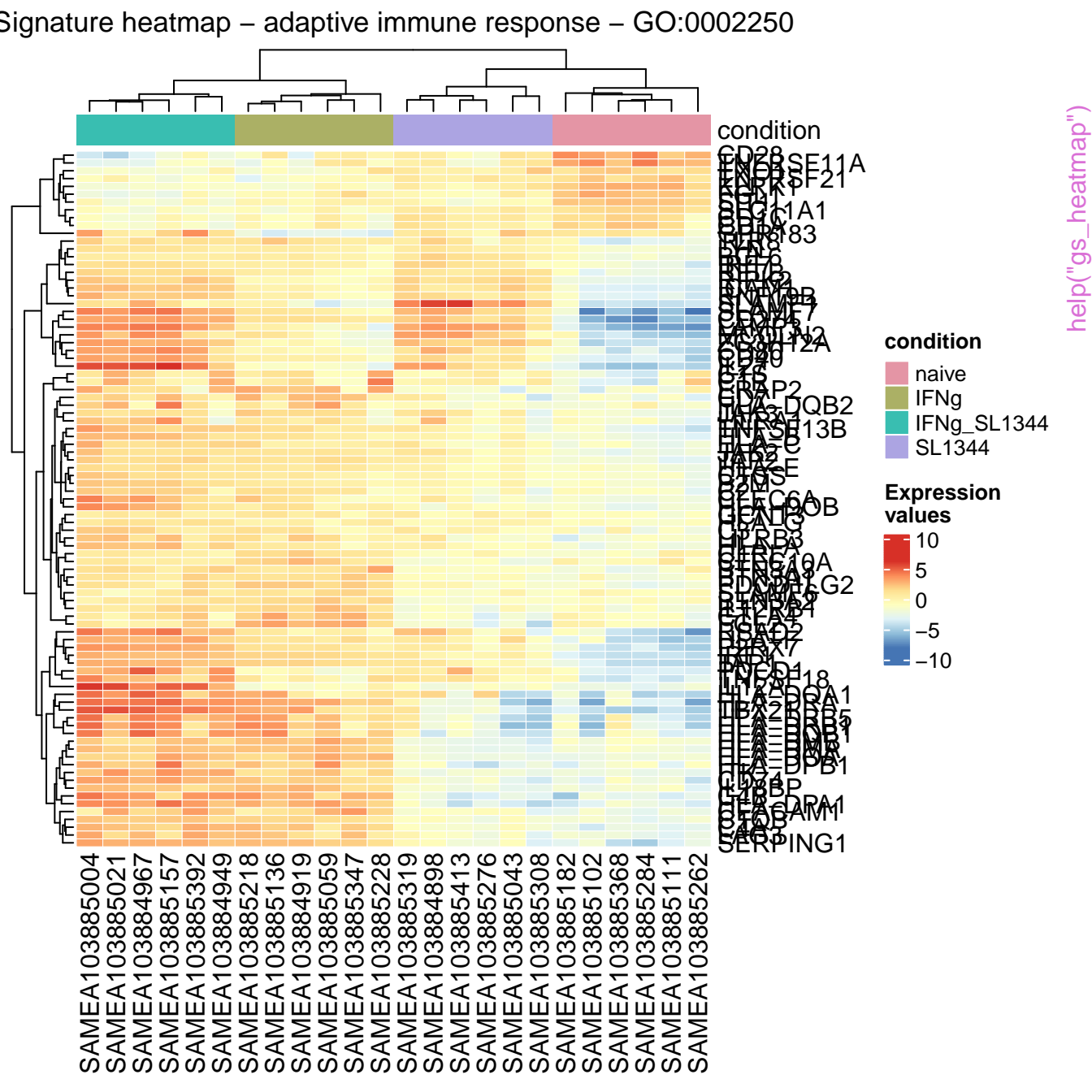
condition

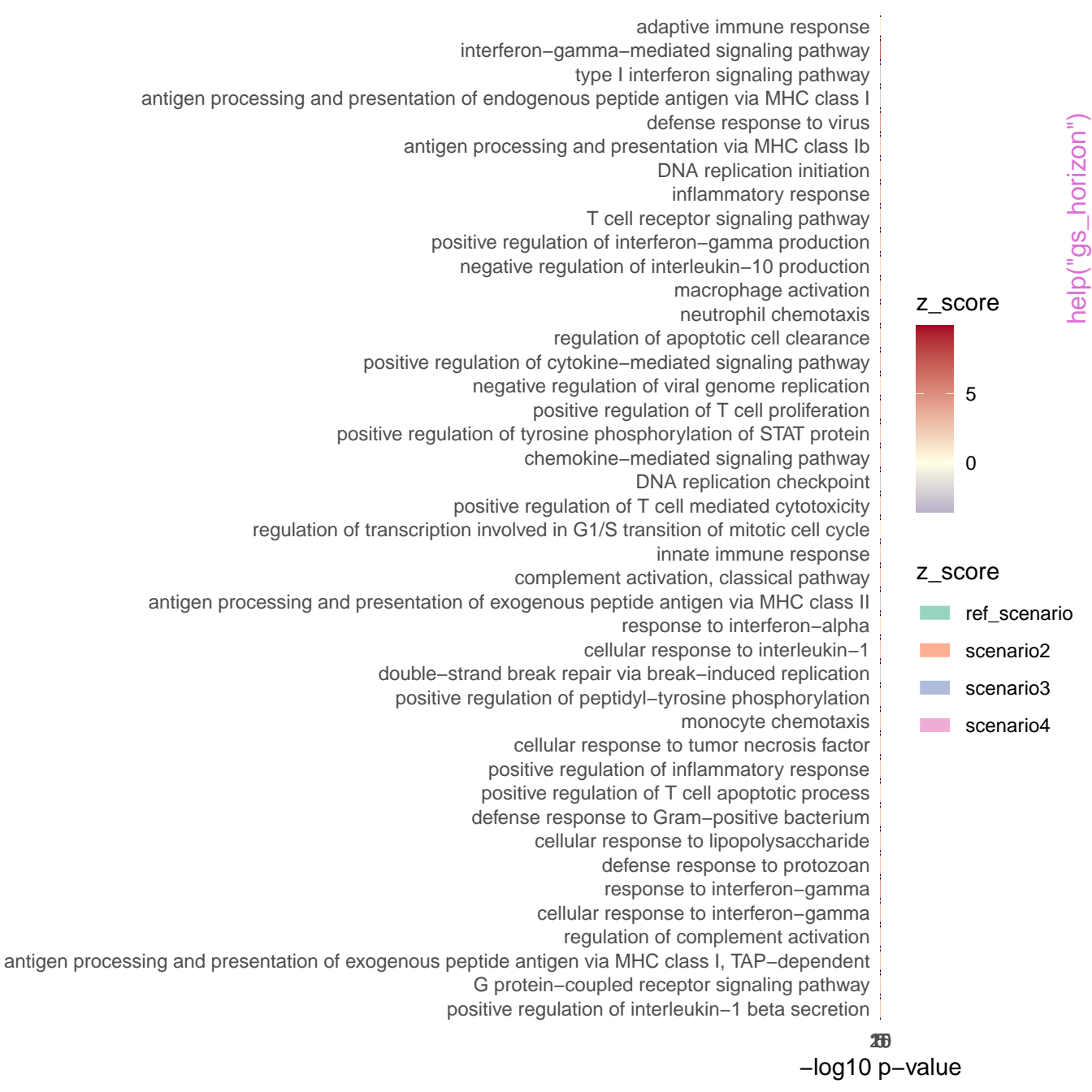
- naive
- IFNg
- IFNg_SL1344
- SL1344

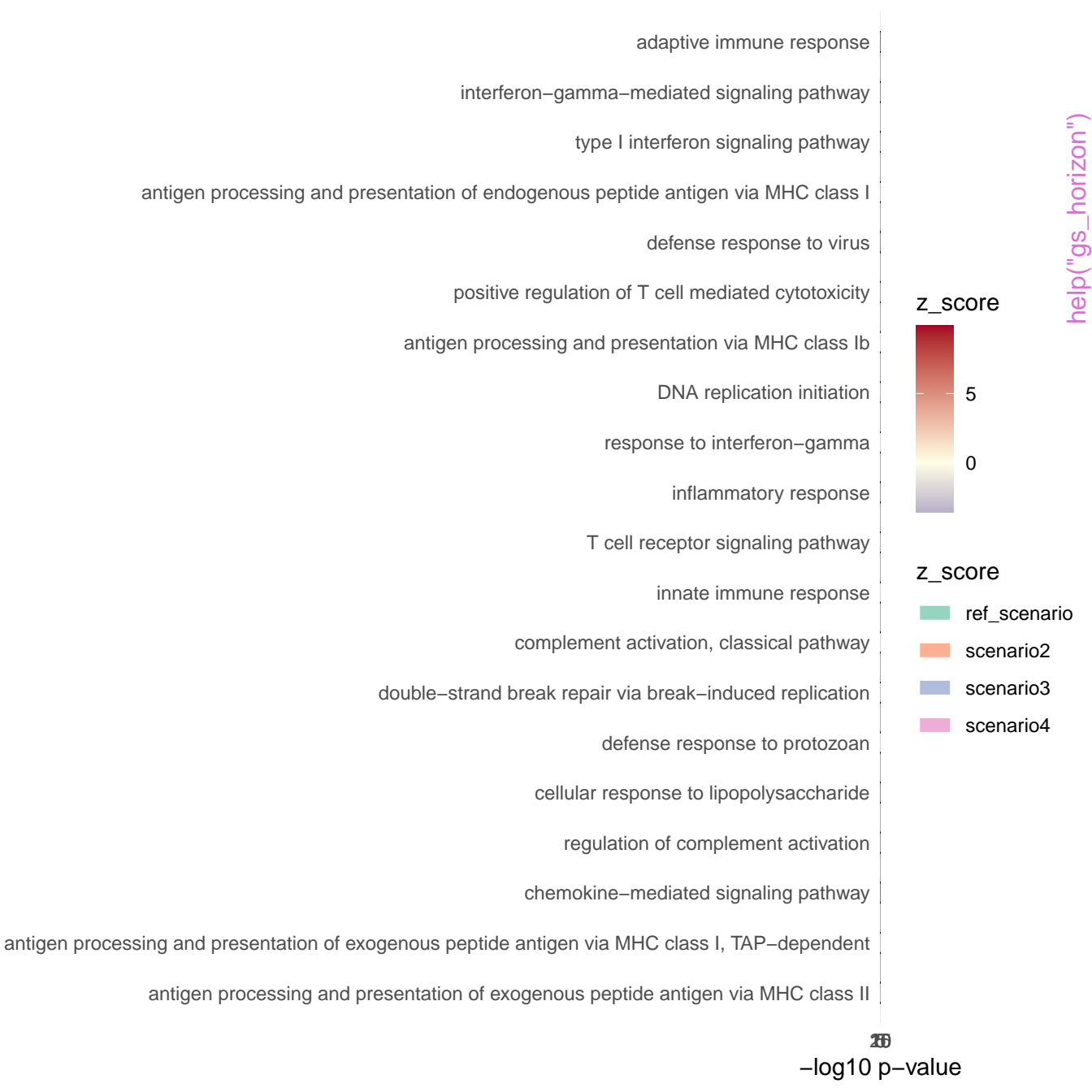
Expression values

10
5
0
-5
-10

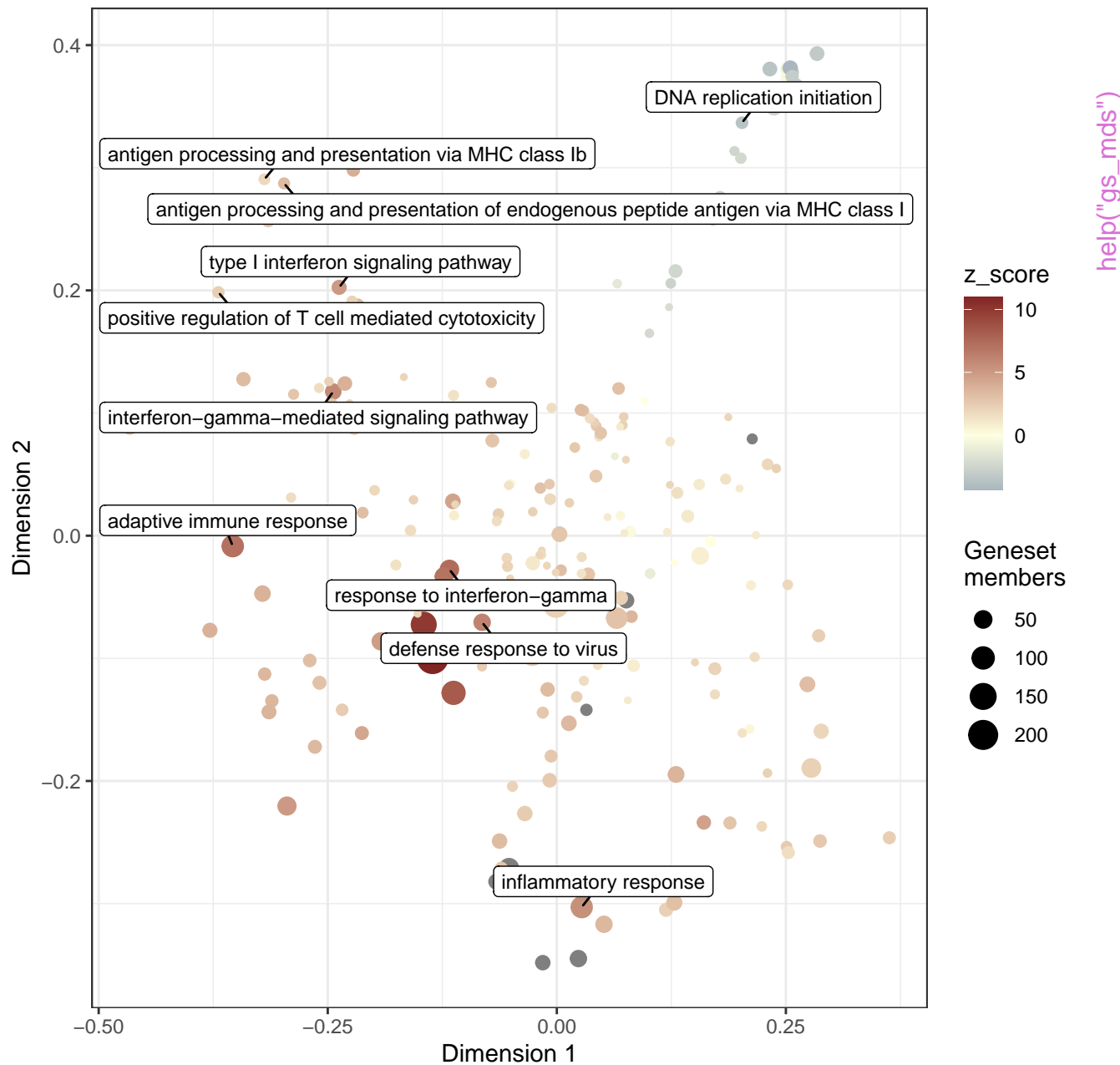
help("gs_heatmap")







Geneset MDS plot – condition IFNg vs naive



regulation of transcription involved in G1/S transition of mitotic cell cycle|GO:0000083 -
 DNA replication initiation|GO:0006270 -
 double-strand break repair via break-induced replication|GO:0000727 -
 cellular response to lipopolysaccharide|GO:0071222 -
 chemokine-mediated signaling pathway|GO:0070098 -
 neutrophil chemotaxis|GO:0030593 -
 positive regulation of T cell proliferation|GO:0042102 -
 adaptive immune response|GO:0002250 -
 innate immune response|GO:0045087 -
 positive regulation of T cell mediated cytotoxicity|GO:0001916 -
 antigen processing and presentation via MHC class Ib|GO:0002475 -
 defense response to protozoan|GO:0042832 -
 defense response to Gram-positive bacterium|GO:0050830 -
 positive regulation of interferon-gamma production|GO:0032729 -
 inflammatory response|GO:0006954 -
 cellular response to tumor necrosis factor|GO:0071356 -
 G protein-coupled receptor signaling pathway|GO:0007186 -
 positive regulation of inflammatory response|GO:0050729 -
 type I interferon signaling pathway|GO:0060337 -
 defense response to virus|GO:0051607 -
 negative regulation of viral genome replication|GO:0045071 -
 interferon-gamma-mediated signaling pathway|GO:0060333 -
 response to interferon-gamma|GO:0034341 -
 cellular response to interferon-gamma|GO:0071346 -
 antigen processing and presentation of endogenous peptide antigen via MHC class I|GO:0019885 -
 antigen processing and presentation of exogenous peptide antigen via MHC class I, TAP-dependent|GO:0002479 -
 complement activation, classical pathway|GO:0006958 -
 regulation of complement activation|GO:0030449 -
 T cell receptor signaling pathway|GO:0050852 -
 antigen processing and presentation of exogenous peptide antigen via MHC class II|GO:0019886 -

Geneset
 Z value



SAMEA103885111

antigen processing and presentation of exogenous peptide antigen via MHC class II

antigen processing and presentation of exogenous peptide antigen via MHC class I, TAP-dependent

chemokine-mediated signaling pathway

regulation of complement activation

cellular response to lipopolysaccharide

defense response to protozoan

double-strand break repair via break-induced replication

complement activation, classical pathway

innate immune response

T cell receptor signaling pathway

inflammatory response

response to interferon-gamma

DNA replication initiation

antigen processing and presentation via MHC class Ib

positive regulation of T cell mediated cytotoxicity

defense response to virus

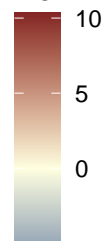
antigen processing and presentation of endogenous peptide antigen via MHC class I

type I interferon signaling pathway

interferon-gamma-mediated signaling pathway

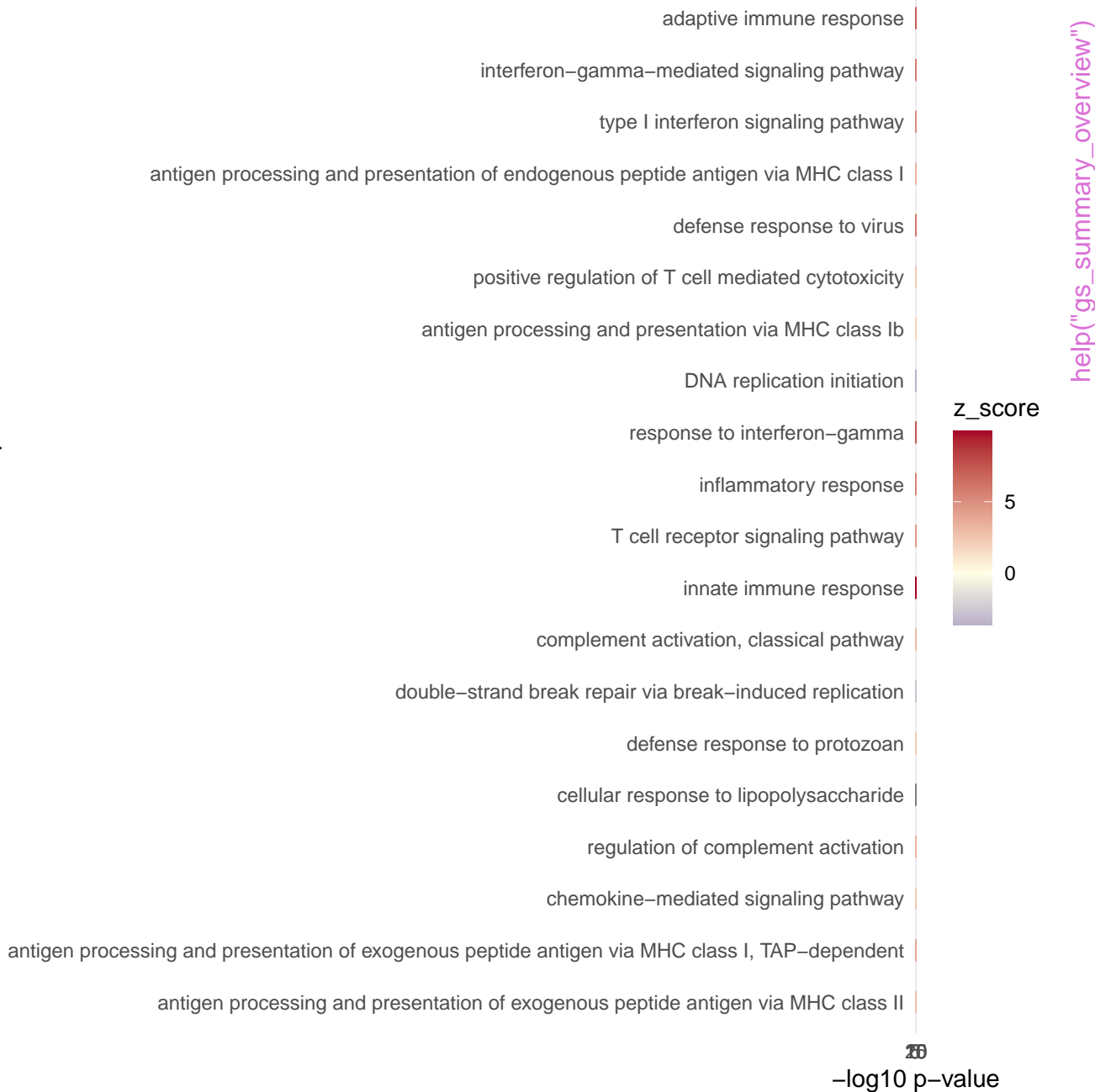
adaptive immune response

log2 Fold Change



help("gs_summary_heat")

Gene set description



Gene set description

adaptive immune response
interferon-gamma-mediated signaling pathway
type I interferon signaling pathway
antigen processing and presentation of endogenous peptide antigen via MHC class I
defense response to virus
positive regulation of T cell mediated cytotoxicity
antigen processing and presentation via MHC class Ib
DNA replication initiation
response to interferon-gamma
inflammatory response
T cell receptor signaling pathway
innate immune response
complement activation, classical pathway
double-strand break repair via break-induced replication
defense response to protozoan
cellular response to lipopolysaccharide
regulation of complement activation
chemokine-mediated signaling pathway
antigen processing and presentation of exogenous peptide antigen via MHC class I, TAP-dependent
antigen processing and presentation of exogenous peptide antigen via MHC class II
neutrophil chemotaxis
cellular response to tumor necrosis factor
positive regulation of T cell proliferation
positive regulation of interferon-gamma production
negative regulation of viral genome replication
G protein-coupled receptor signaling pathway
cellular response to interferon-gamma
defense response to Gram-positive bacterium
regulation of transcription involved in G1/S transition of mitotic cell cycle
positive regulation of inflammatory response

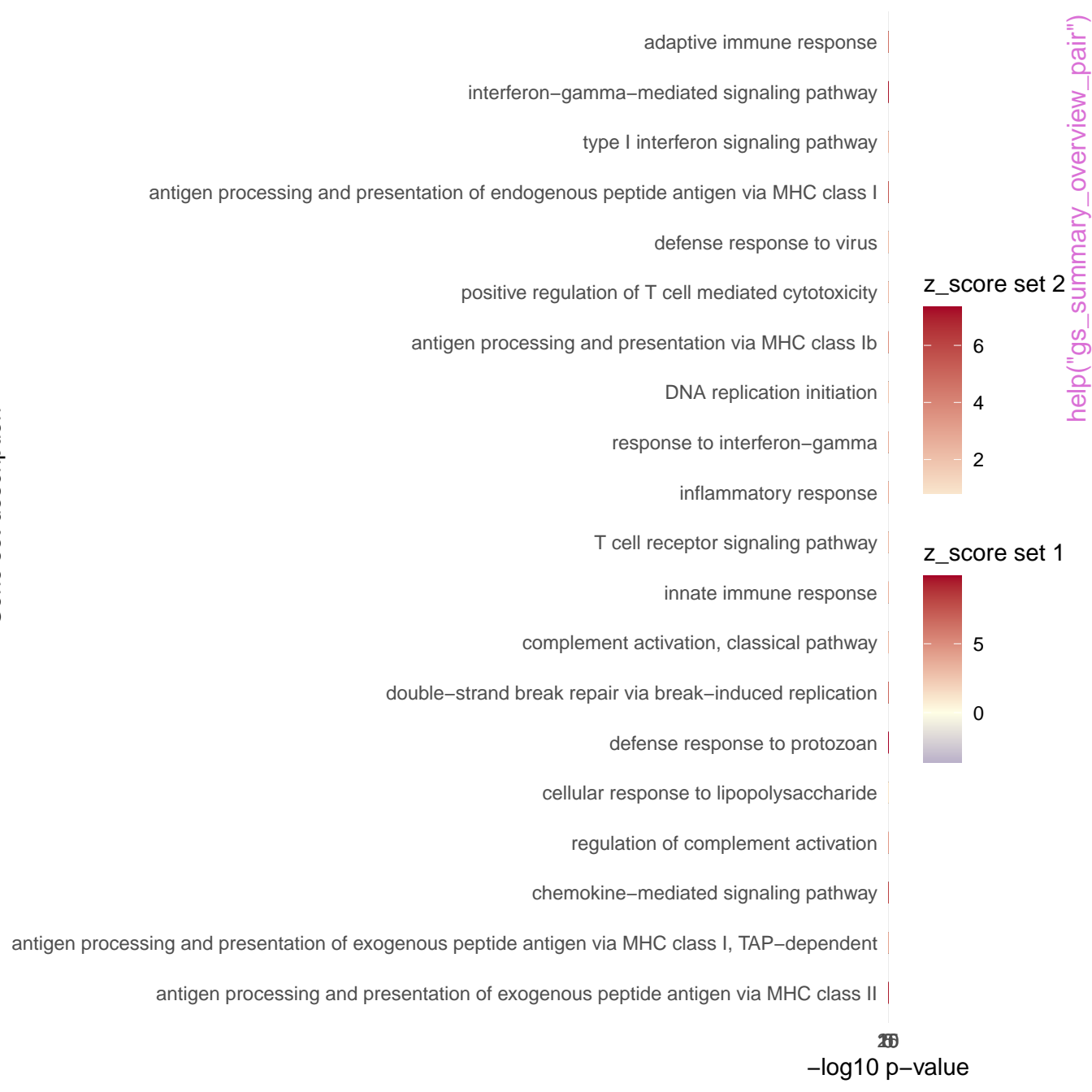
z_score

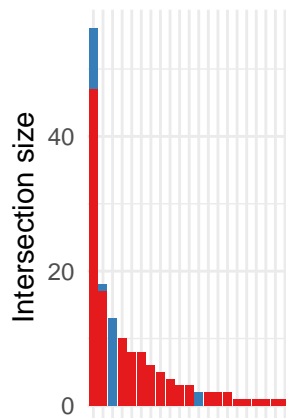
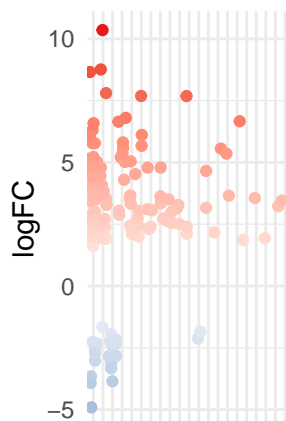


help("gs_summary_overview")

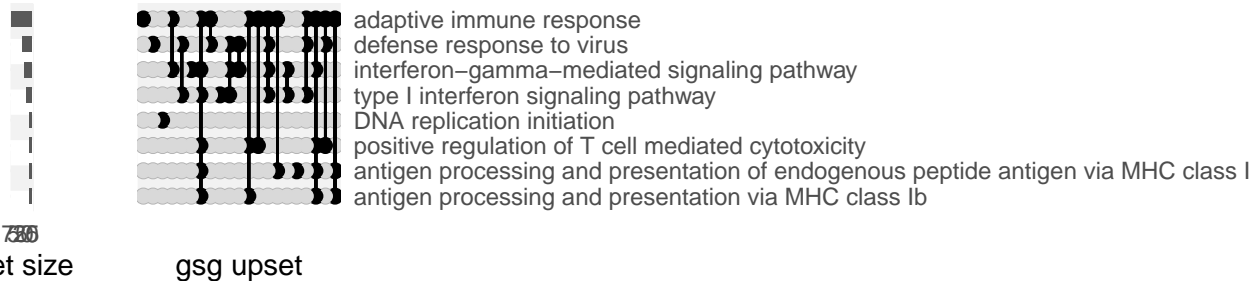
25

-log10 p-value

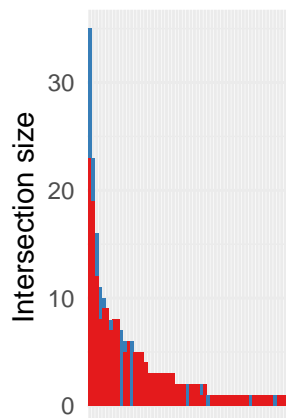
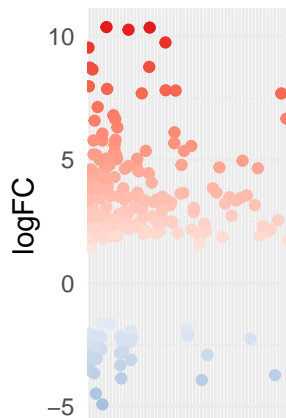




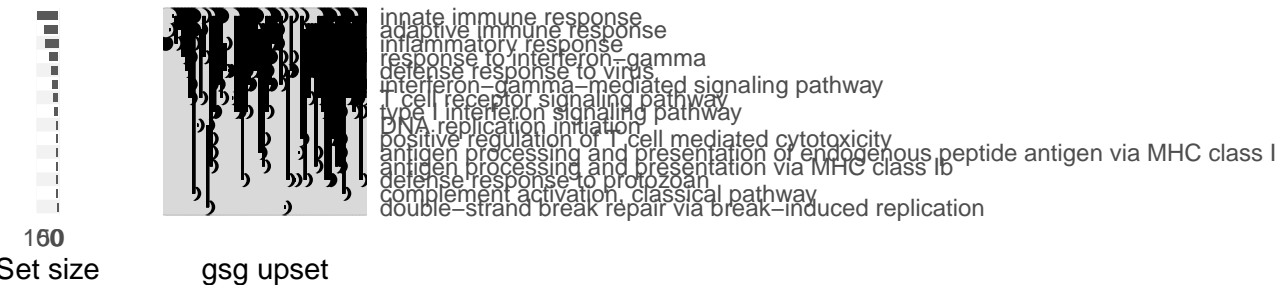
logFC<0 logFC>0



help("gs_upset")

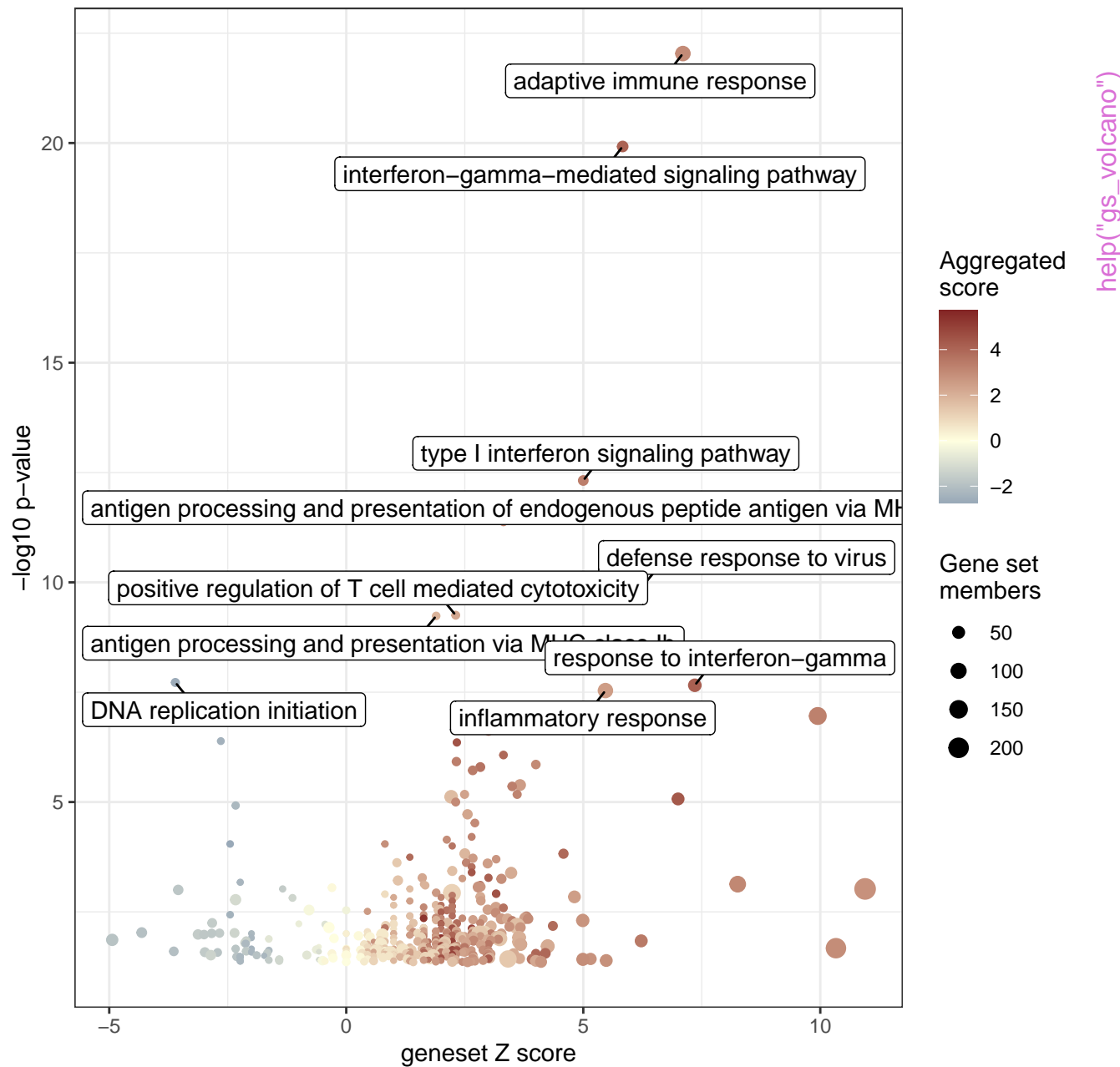


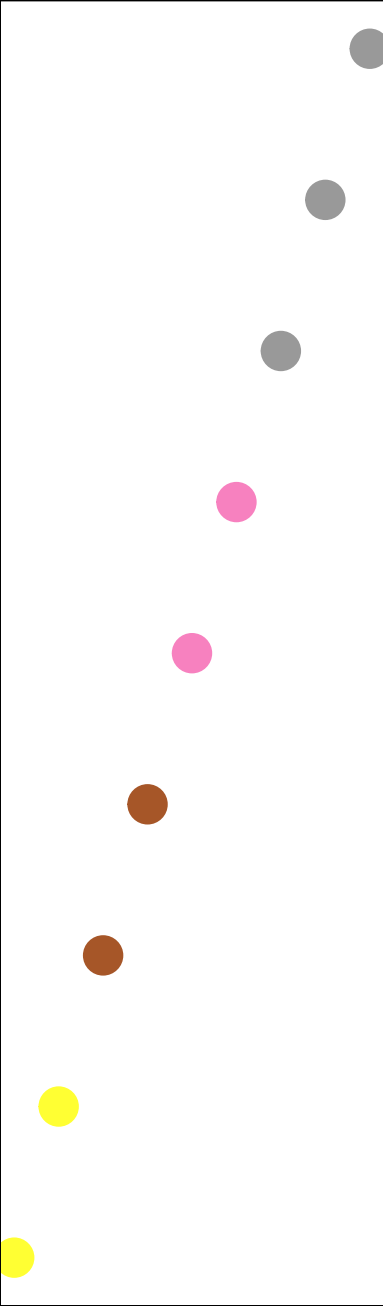
logFC<0 logFC>0



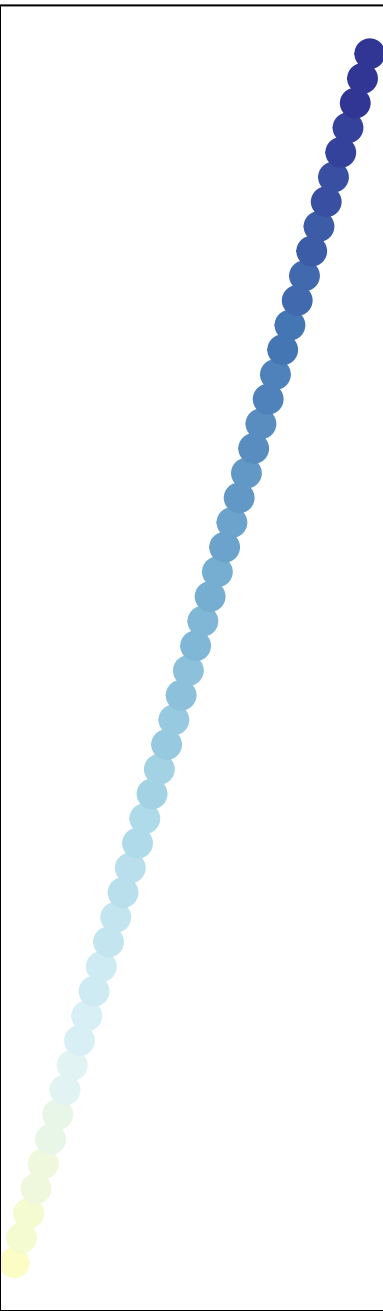
help("gs_upset")

Geneset volcano



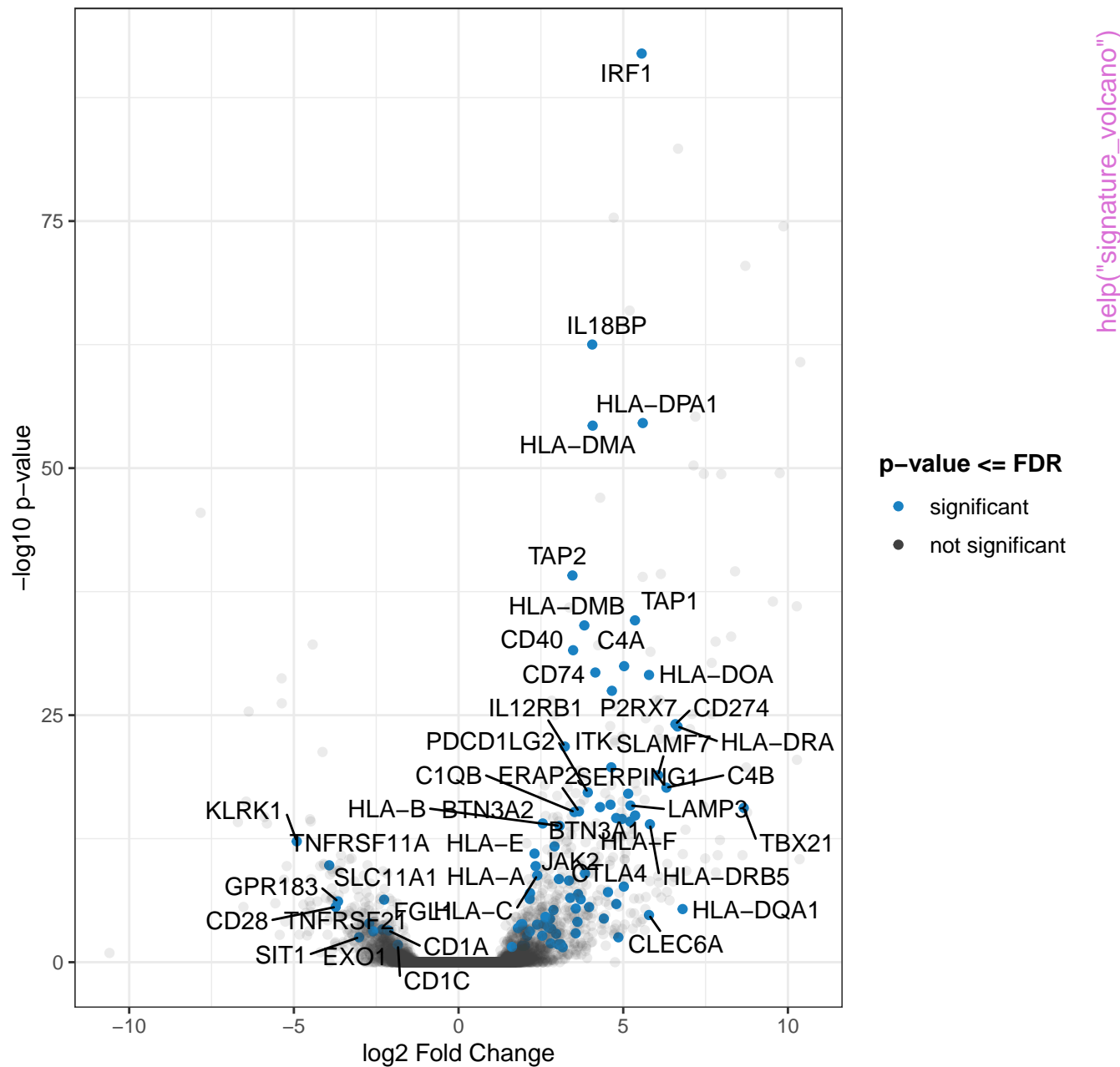


help("map2color")



help("map2color")

Signature Volcano Plot – adaptive immune response – GO:0002250



Signature Volcano Plot – Custom list –

