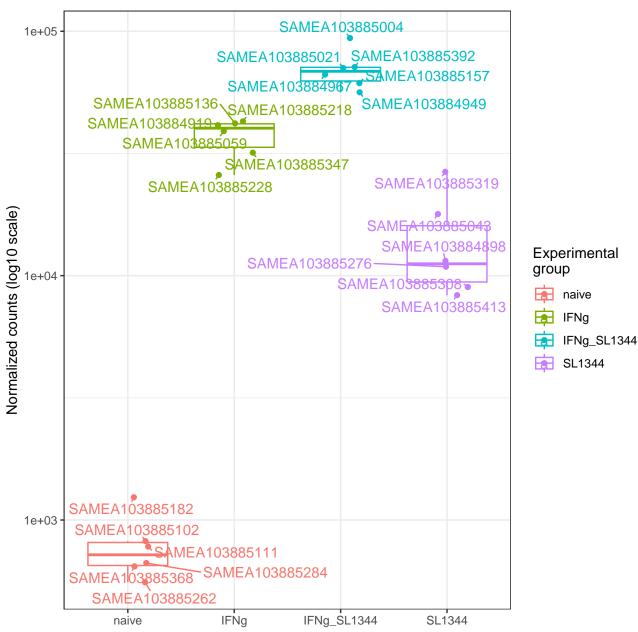


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complement activation classical pathway

positive regulation of T cell proliferation positive regulation of interferon gamma p

ous pepidelantipen via MHC cla

cell mediated cytotoxicity

macrophage activation

positive regulation of inflammatory response positive regulation of peptidyll-tyrosine phosphorylation egulation of tyrosine

mon vertes 8 se to external sign of uspopto

regulation of complement activation negative regulation of interleukin-10 produ inflammatory response

positive regulation of ERK4 and ERK2 cascade

G protein-coupled receptor

oled receptor signal in pathway the participant of activation involved in immune response cell place in the participant of the

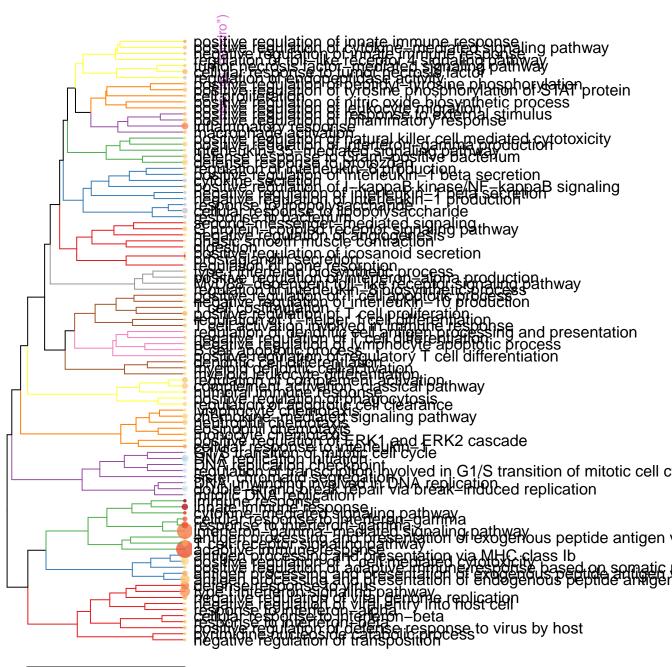
cellular response to lipopolysaccharide

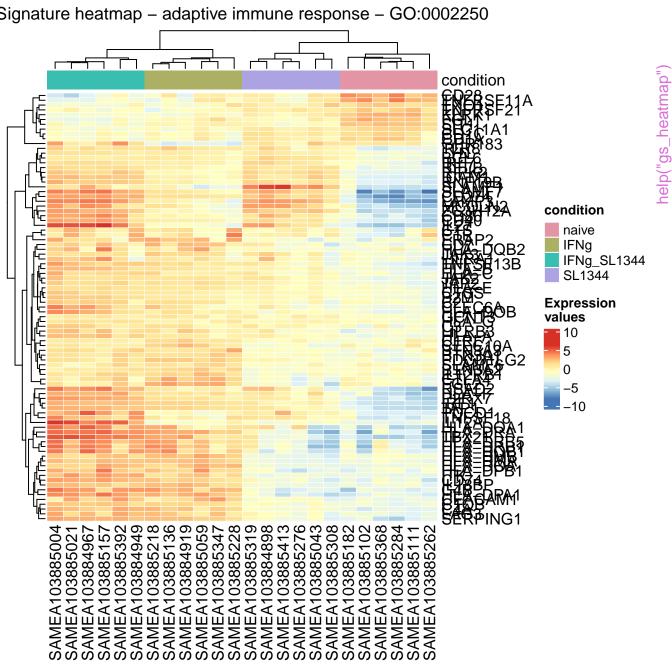
antigen processing and pirate and processing and pr

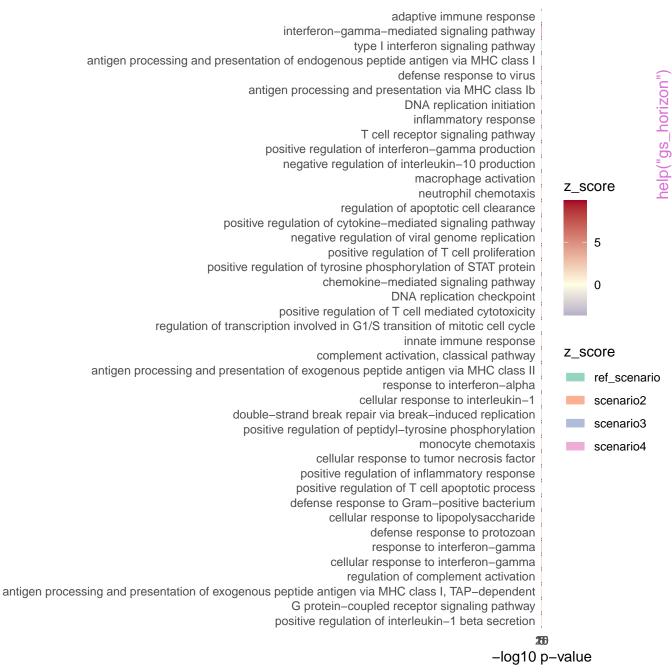
regulation of transcription involved in G1/S transition DNA replication initiation

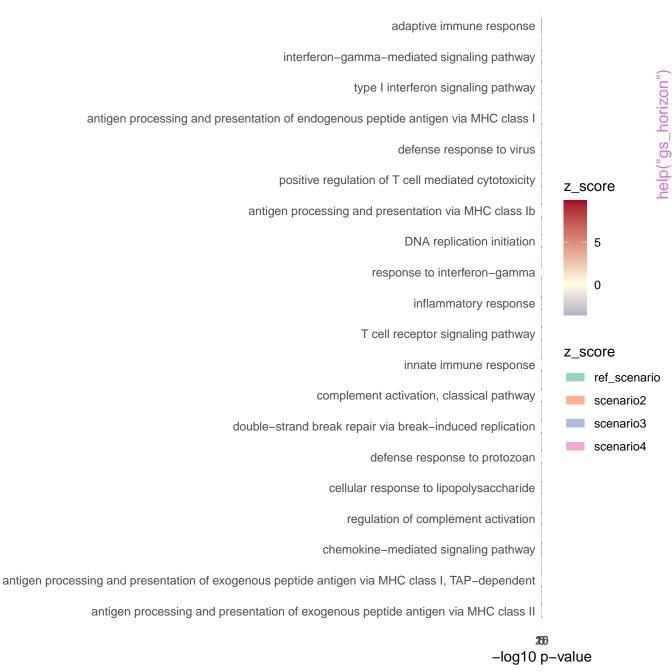
defense response to virus defense response resp positive regulation of defense

negative regulation of viral genome replication

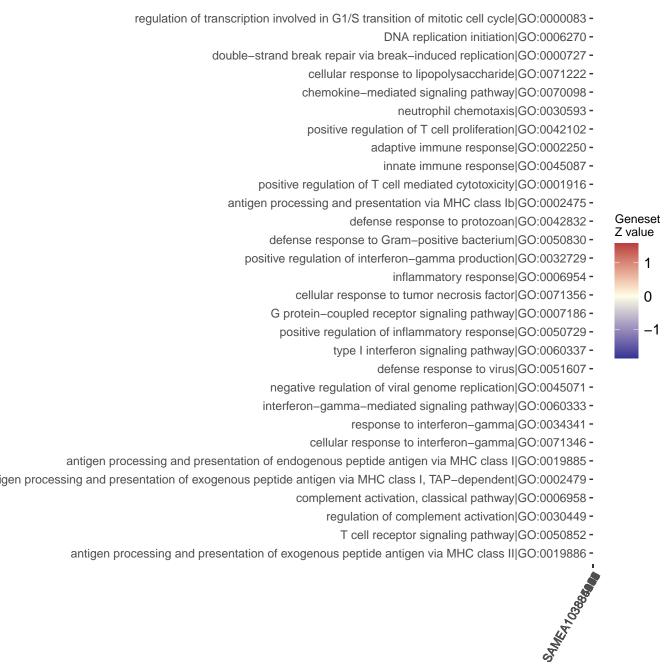








Geneset MDS plot - condition IFNg vs naive 0.4 DNA replication initiation _spm_sg")dleh antigen processing and presentation via MHC class lb antigen processing and presentation of endogenous peptide antigen via MHC class I type I interferon signaling pathway z score 0.2 10 positive regulation of T cell mediated cytotoxicity 5 interferon-gamma-mediated signaling pathway 0 Dimension 2 adaptive immune response 0.0 Geneset members response to interferon-gamma 50 defense response to virus 100 150 200 -0.2 inflammatory response -0.50-0.250.00 0.25 **Dimension 1**



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

defense response to virus

antigen processing and presentation via MHC class Ib

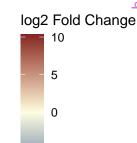
positive regulation of T cell mediated cytotoxicity

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



inflammatory response 5 T cell receptor signaling pathway 0 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 -log10 p-value

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

z_score

adaptive immune response

defense response to virus

DNA replication initiation

response to interferon-gamma

type I interferon signaling pathway

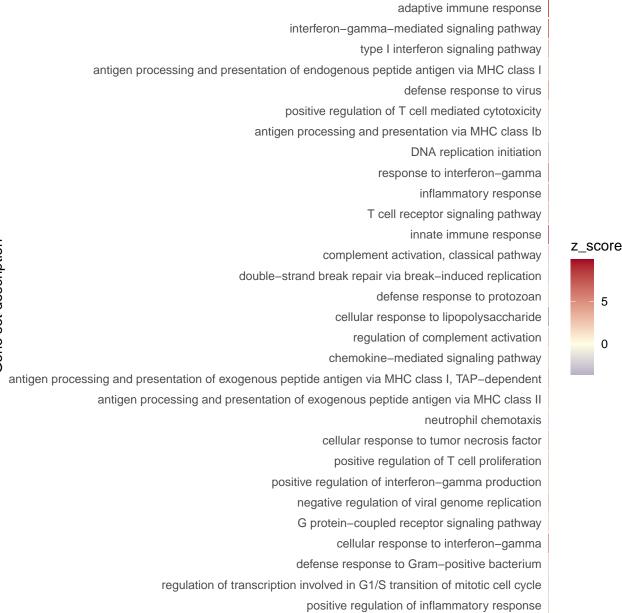
interferon-gamma-mediated signaling pathway

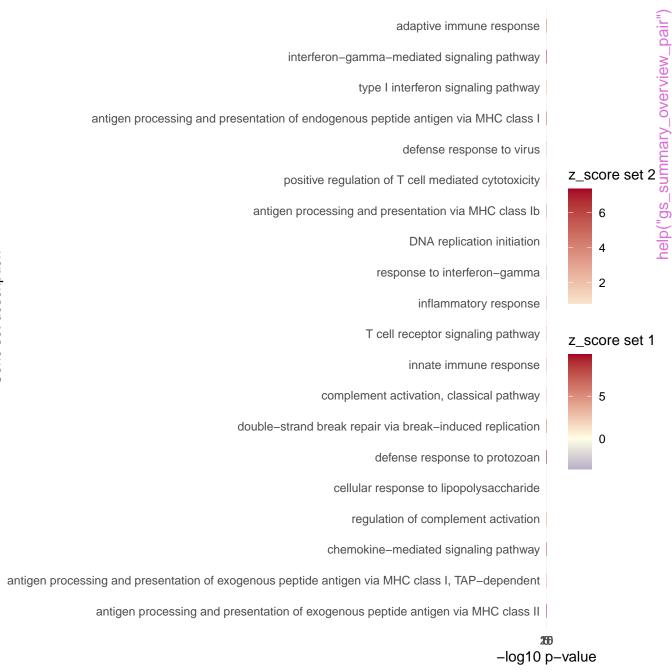
positive regulation of T cell mediated cytotoxicity

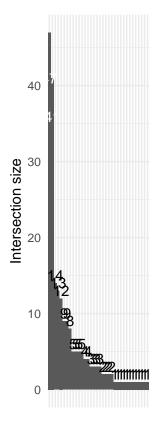
antigen processing and presentation via MHC class lb

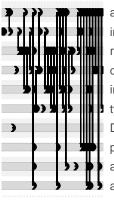
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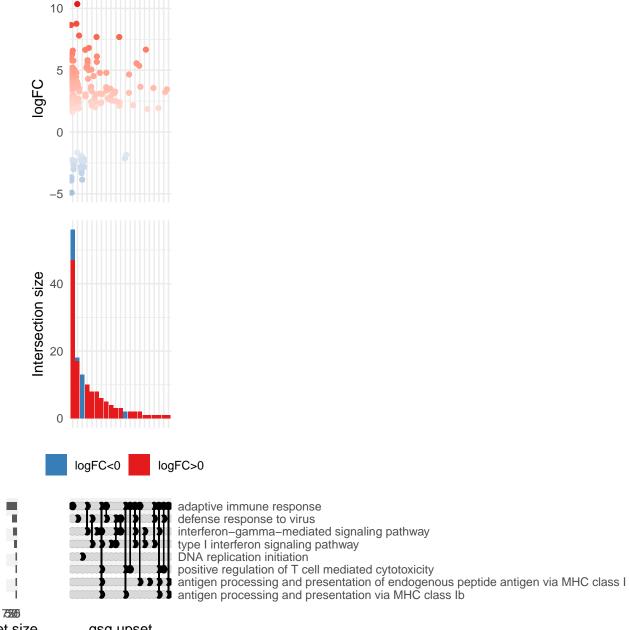




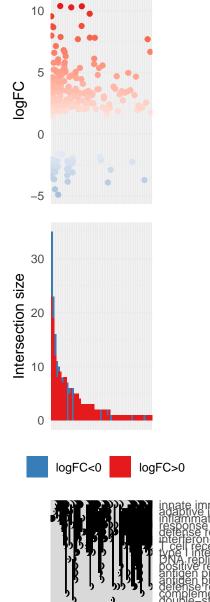
adaptive immune response inflammatory response response to interferon-gamma defense response to virus interferon-gamma-mediated signaling pathway type I interferon signaling pathway DNA replication initiation positive regulation of T cell mediated cytotoxicity antigen processing and presentation of endogenous peptide antigen via MHC class I antigen processing and presentation via MHC class Ib

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