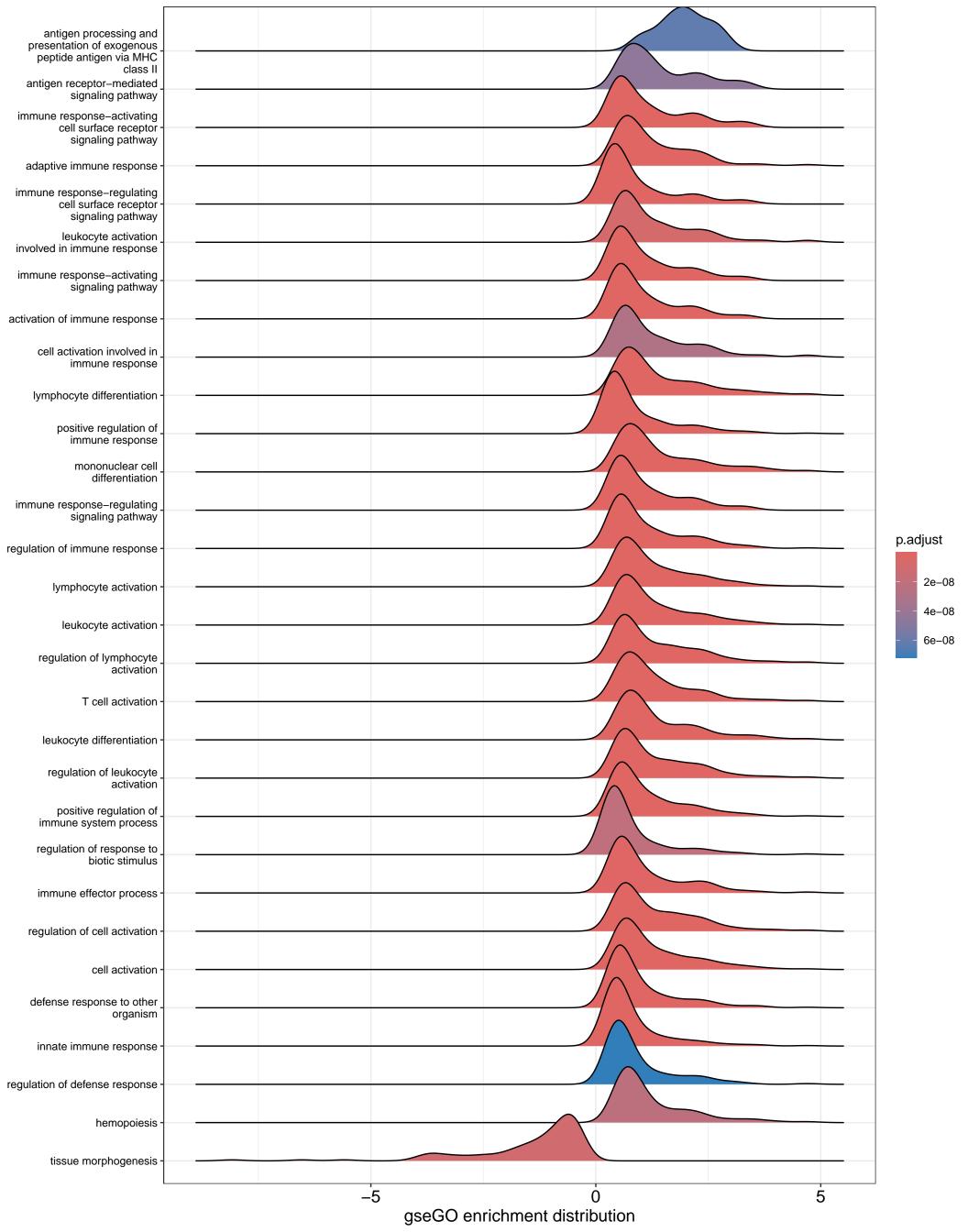
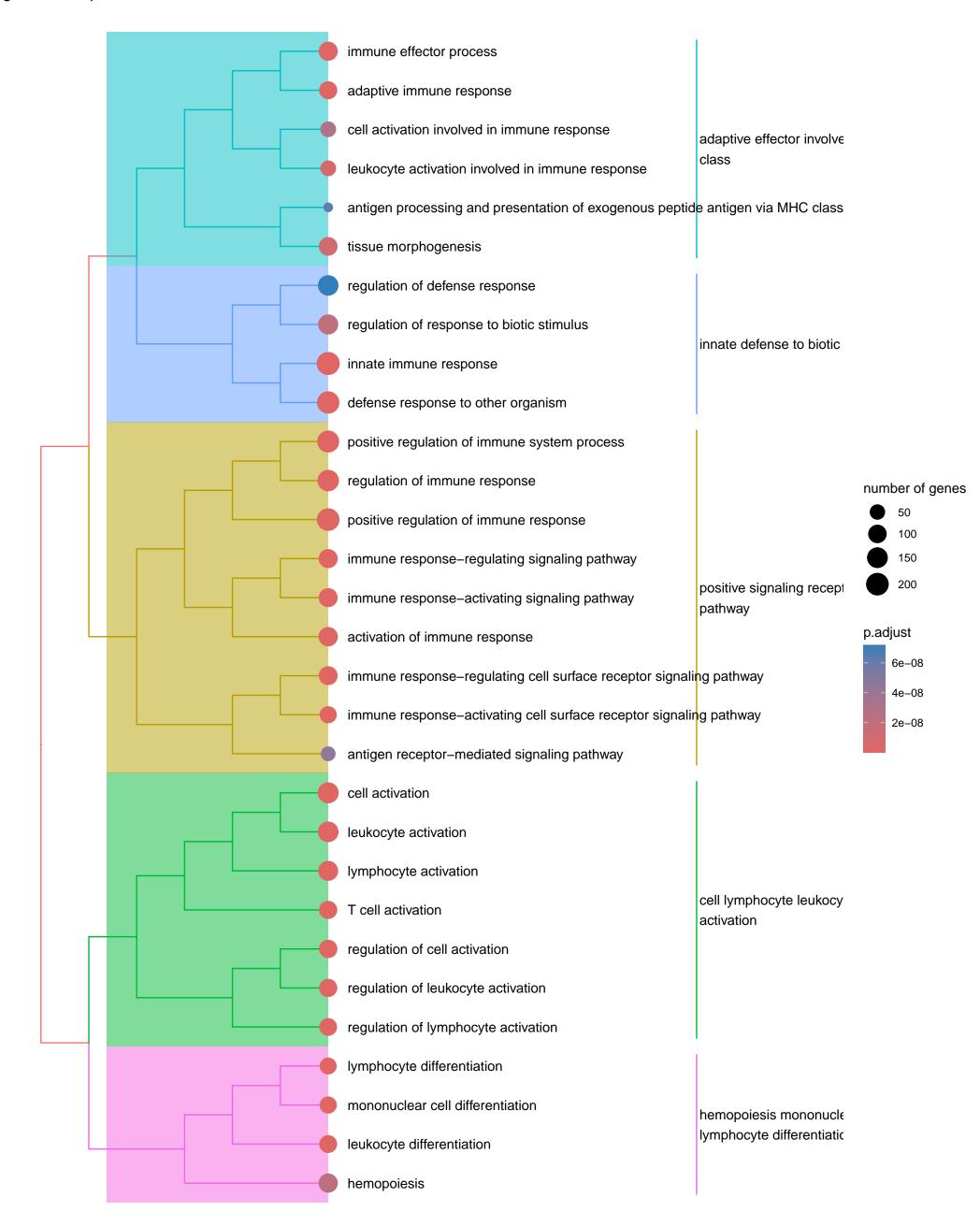
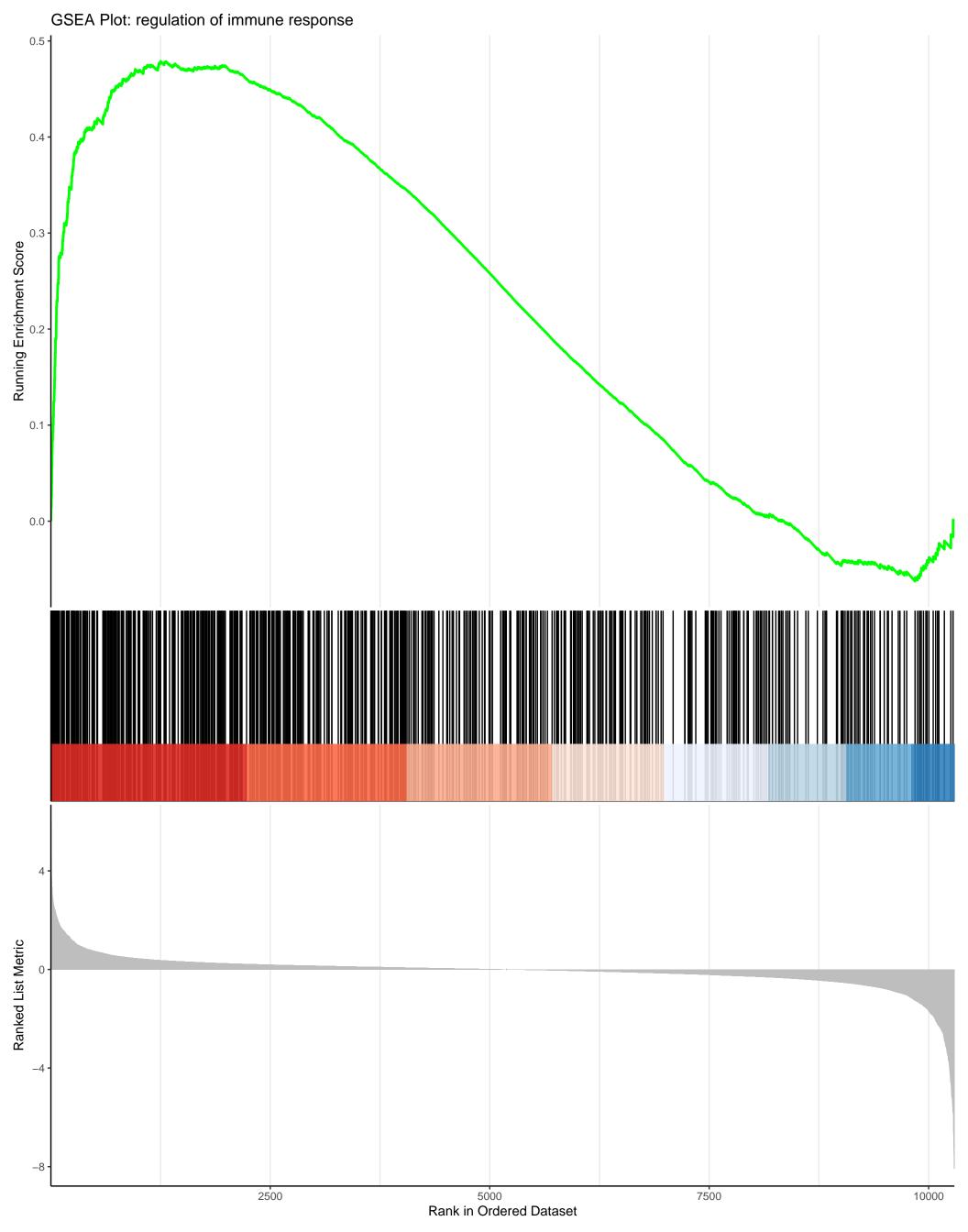


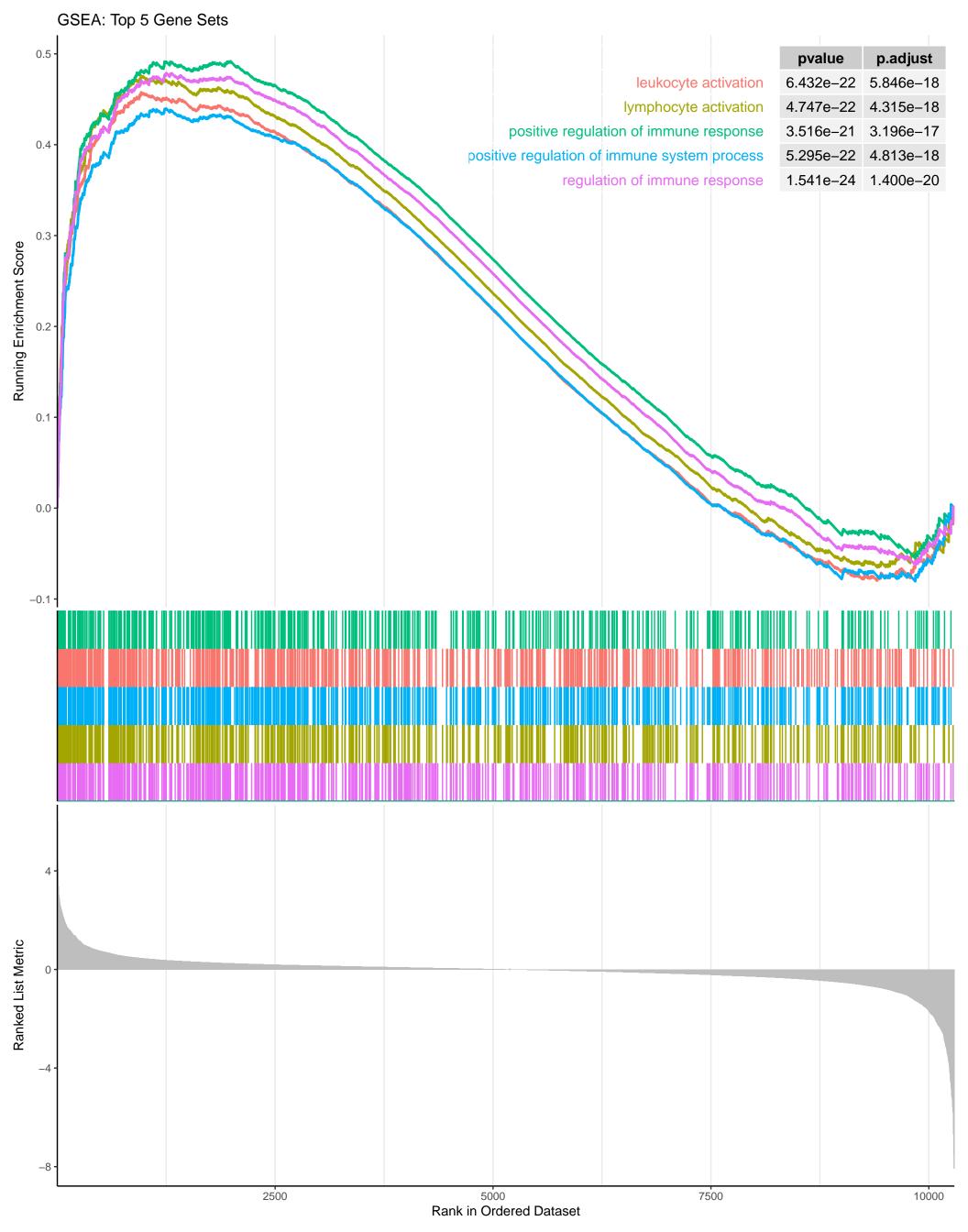
antigen processing and presentation of exogenous pertide antigen via MHC class

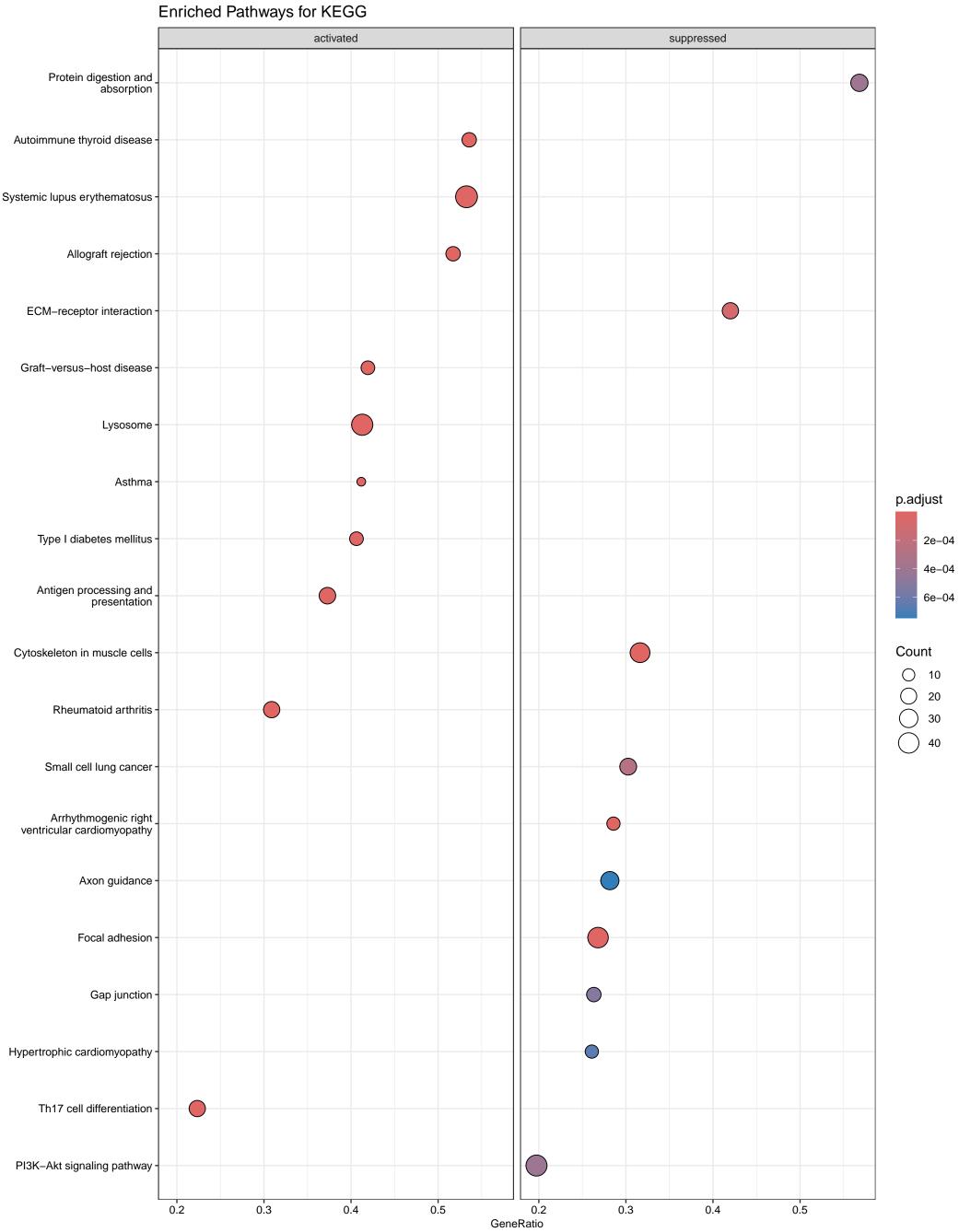
regulation of defense response	
antigen receptor-mediated signaling pathway	number of genes
innate immune response	O 50
immune effector process	O 100
activation of immune response cell activation involved in immune response	<u> </u>
regulation of response to biotic stimulus immune response regulation of cell activation	$\sim$
immune response–activating signaling pathwaregulation of leukocyte activation lymphocyte activation	200
defense response to other organism T cell activation	p.adjust
positive regulation of immune response levilegical positive regulation involved in immune response	6e-08
immune response-activating cell surfactregulation of lymphocytevactivation	4e-08
adaptive immune response leukocyte differentiation	1.0 00
cell activation mononuclear cell differentiation	2e–08
immune response–regulating cell surface receptor signaling pathway lymphocyte differentiation	_











## Primary immunodeficiency

## Th17 cell differentiation

	Graft-versus-host disease	
Th1 and Th2 cell differentiation	Type I diabetes mellitus	
Small cell lung cancer	Inflammatory bowel disease	
	Antigen processing and presentation	
DISK Akt signaling pathway	Autoimmune thyroid disease	
PI3K-Akt signaling pathway	Asthma Allograft rejection	
		number of ger
ECM-receptor interaction	Intestinal immune network for IgA production	25
Lew receptor interaction	Rheumatoid arthritis	<u> </u>
Focal adhesion		75
	Leishmaniasis	
	Systemic lupus erythematosus	p.adjust
	Tuberculosis	5e-04
Cytoskeleton in muscle cells		- 4e-04
		3e-04 2e-04
		1e-04
	Neutrophil extracellular trap formation	
Arrhythmogenic right ventricular car	rdiomyopathy	
Lysosome		
	Influenza A	
Herpes sir	nplex virus 1 infection	
	Cytokine-cytokine receptor interaction	
Protein digestion and absorption	Sytemine Teceptor interactions	
	Toll-like receptor signaling pathway	
	NOD-like receptor signaling pathway	
Gap junction		

