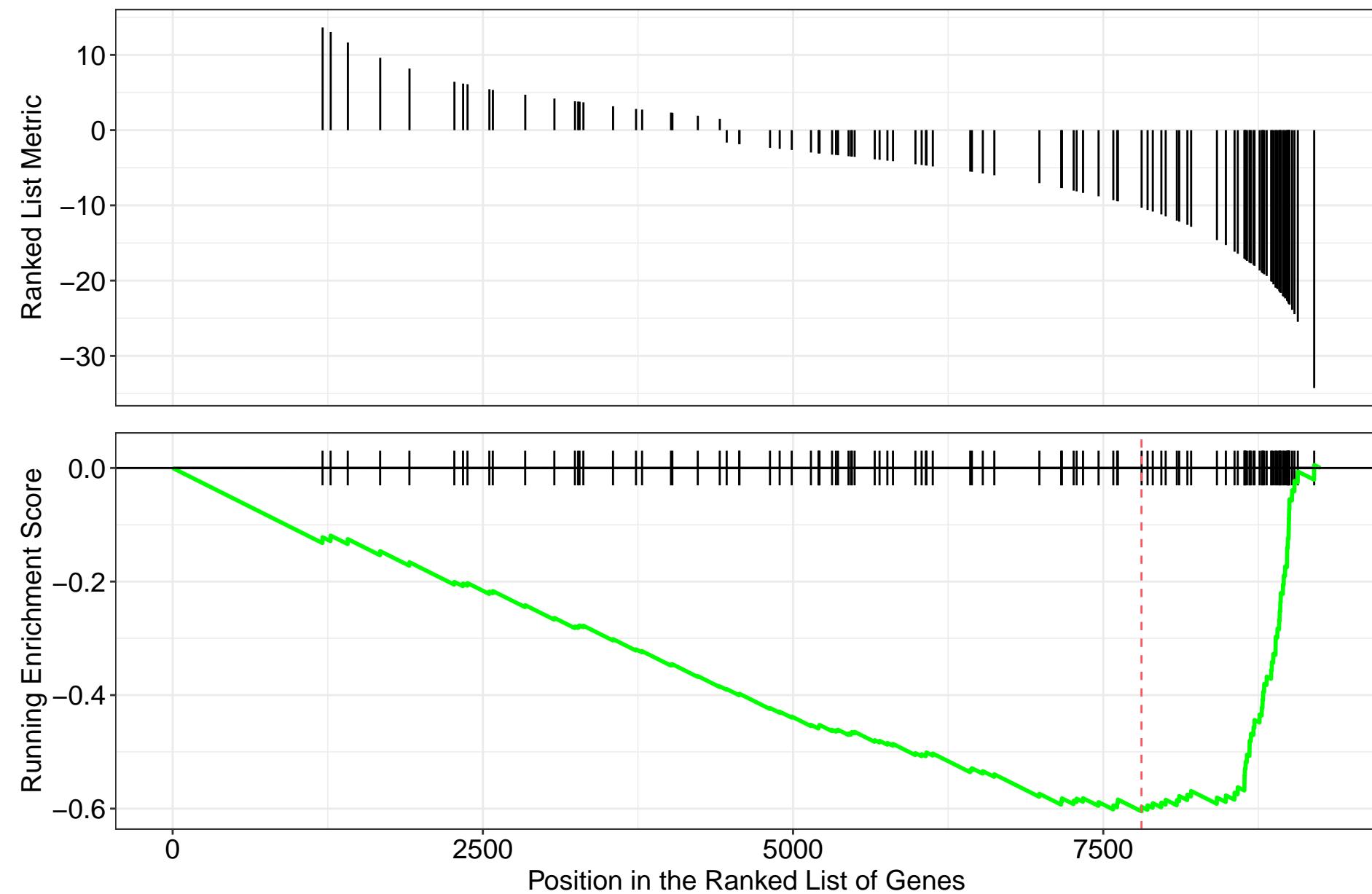
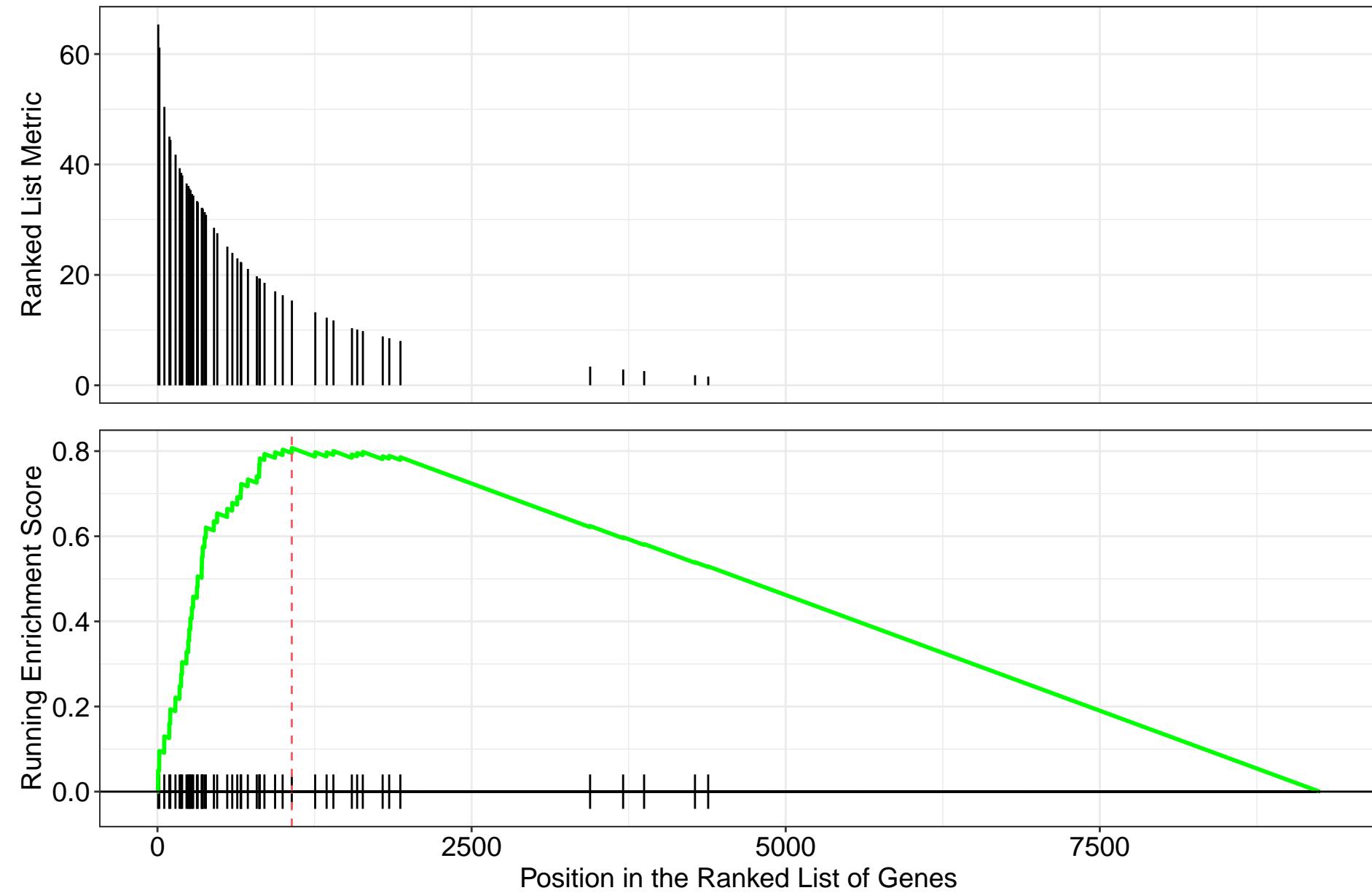


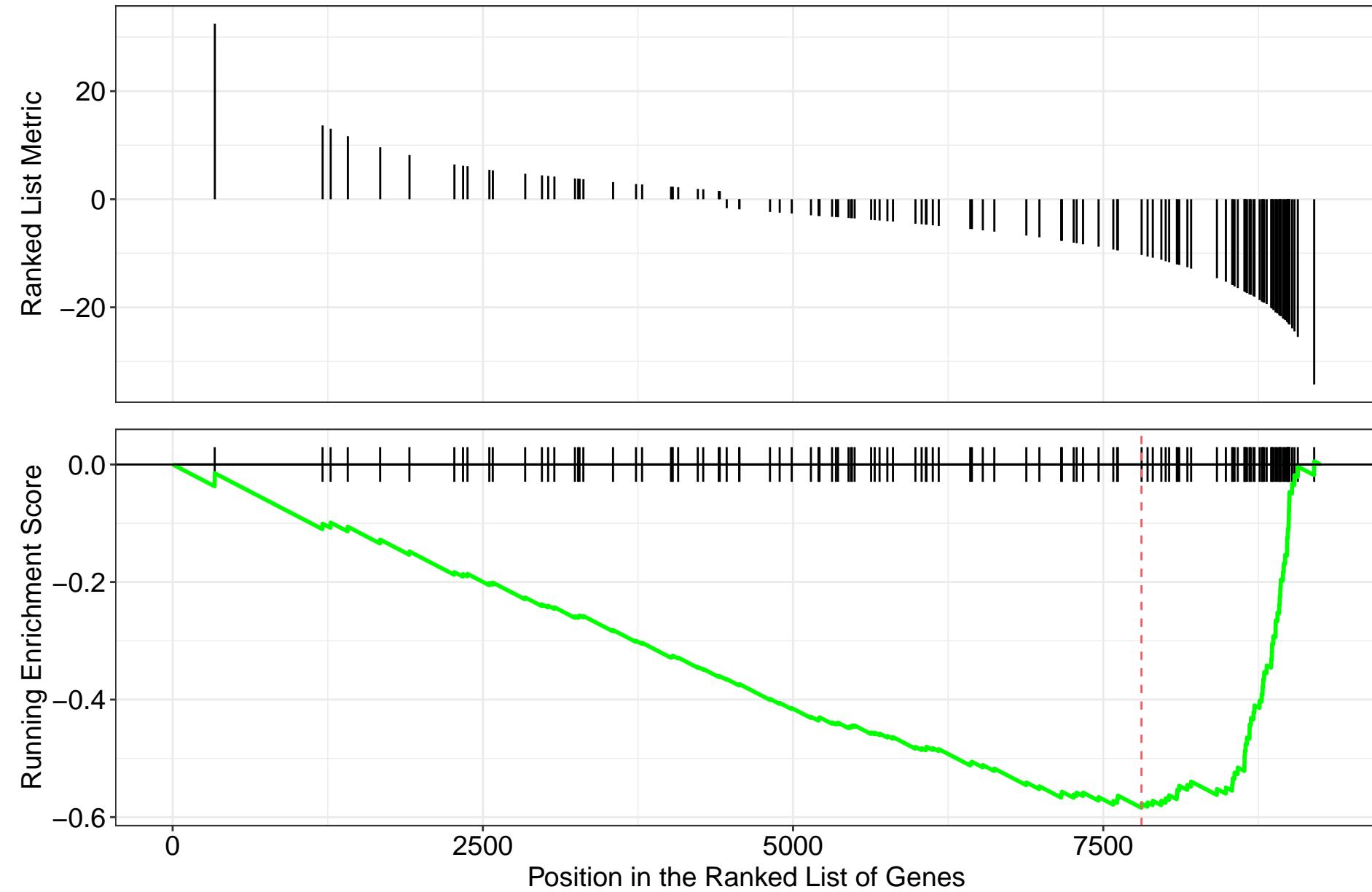
mitotic sister chromatid segregation



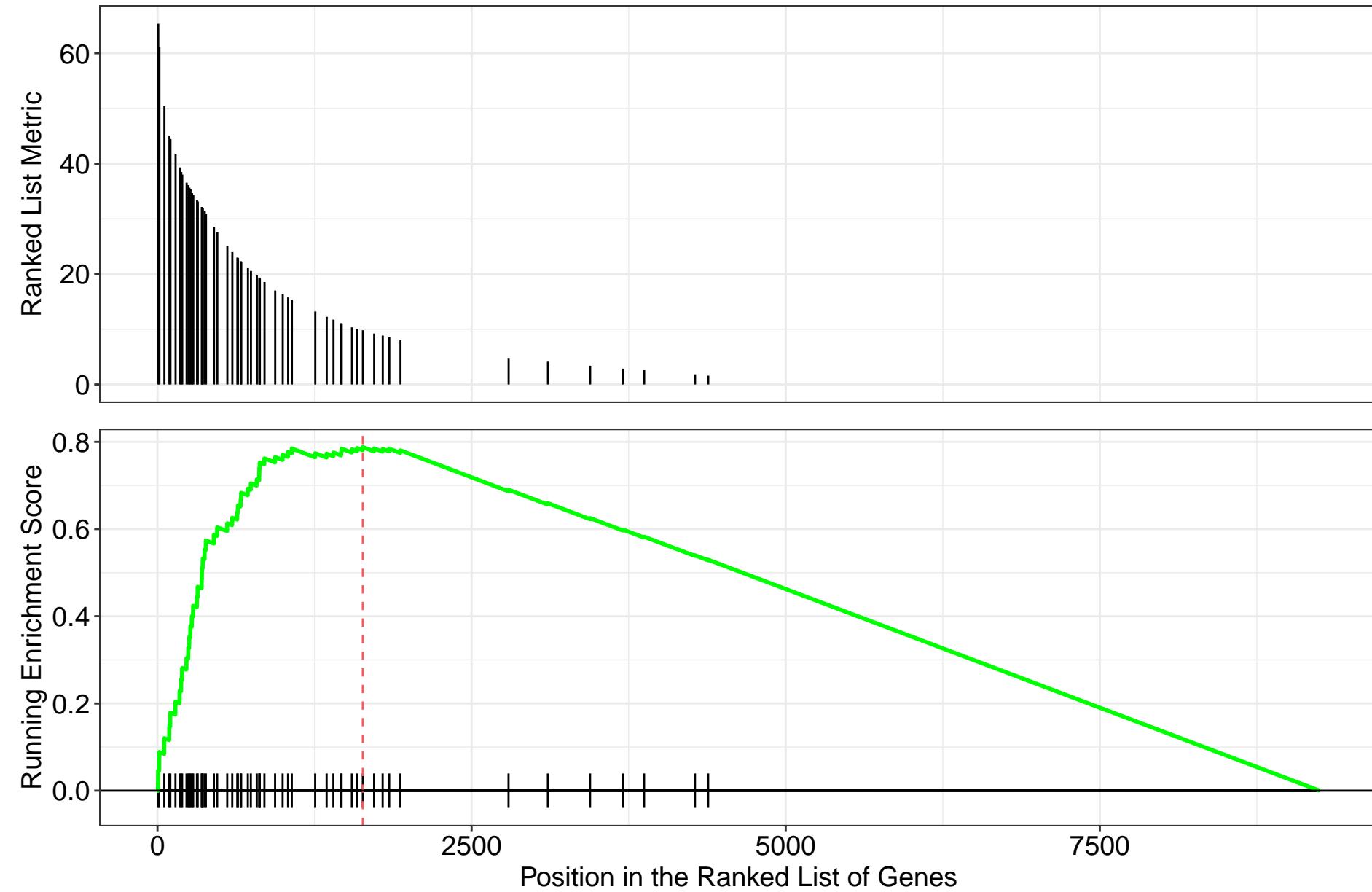
cellular response to interferon–beta



sister chromatid segregation

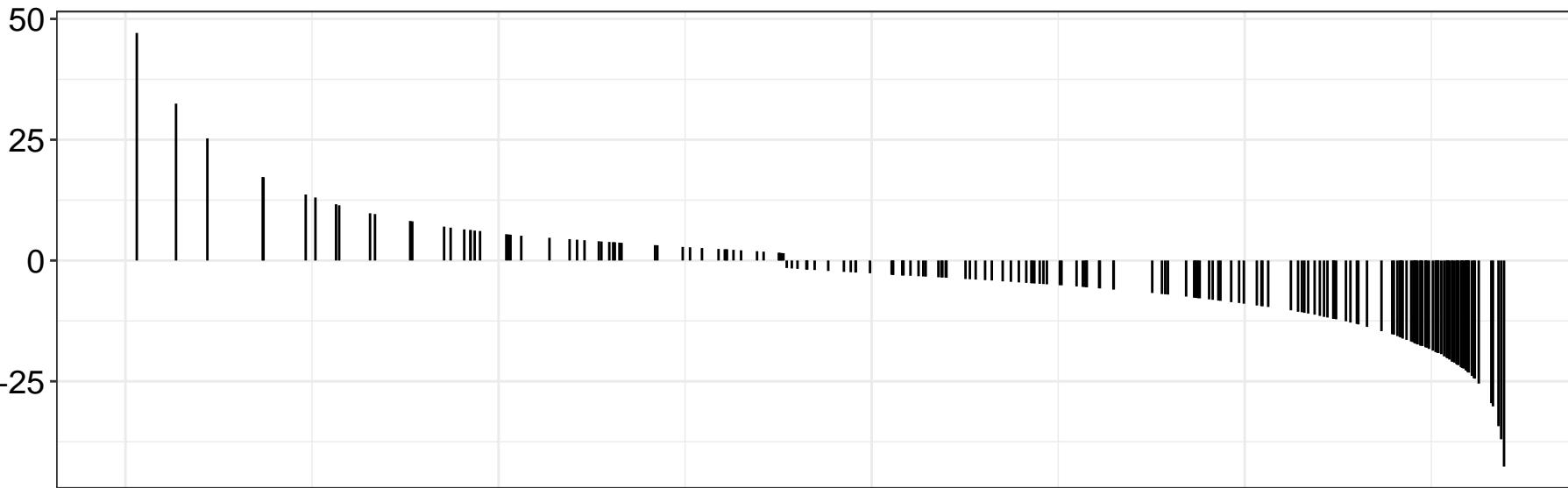


response to interferon–beta



chromosome segregation

Ranked List Metric



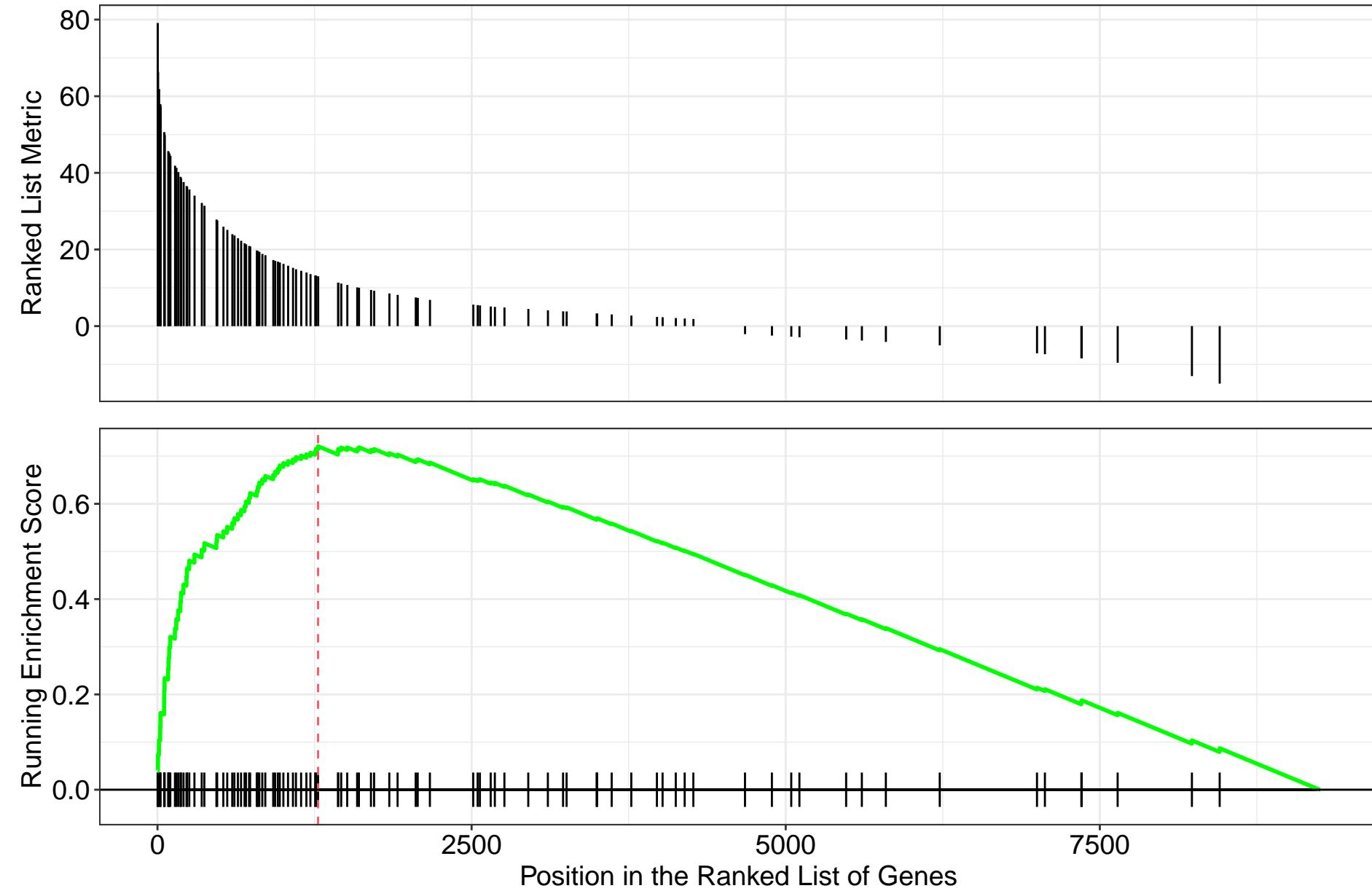
Running Enrichment Score

0 2500 5000 7500

Position in the Ranked List of Genes

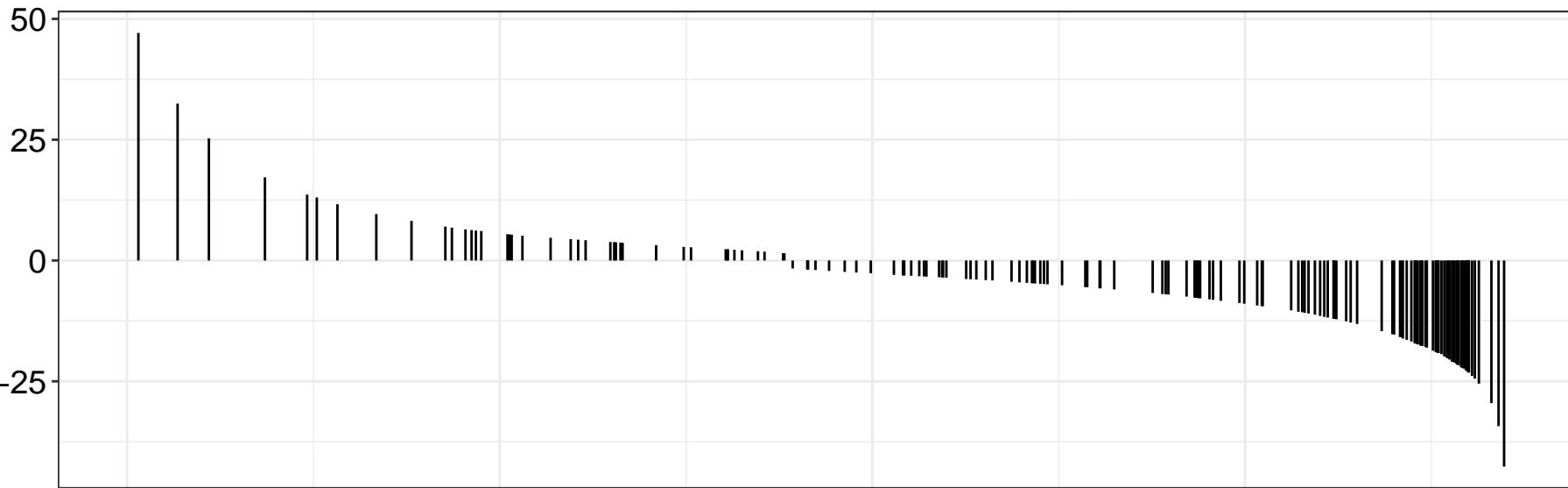


response to interferon–gamma



nuclear chromosome segregation

Ranked List Metric



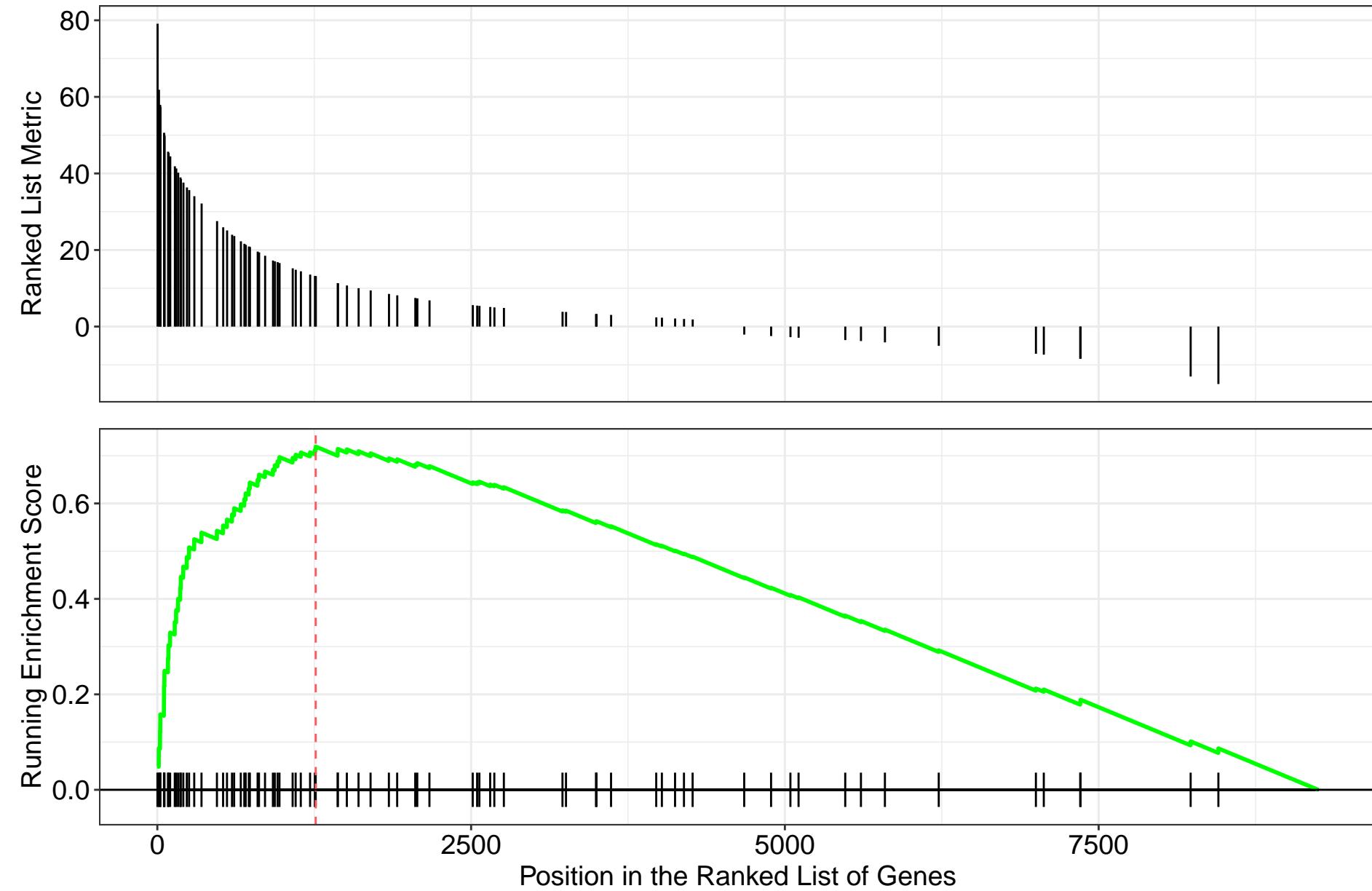
Running Enrichment Score

0 2500 5000 7500

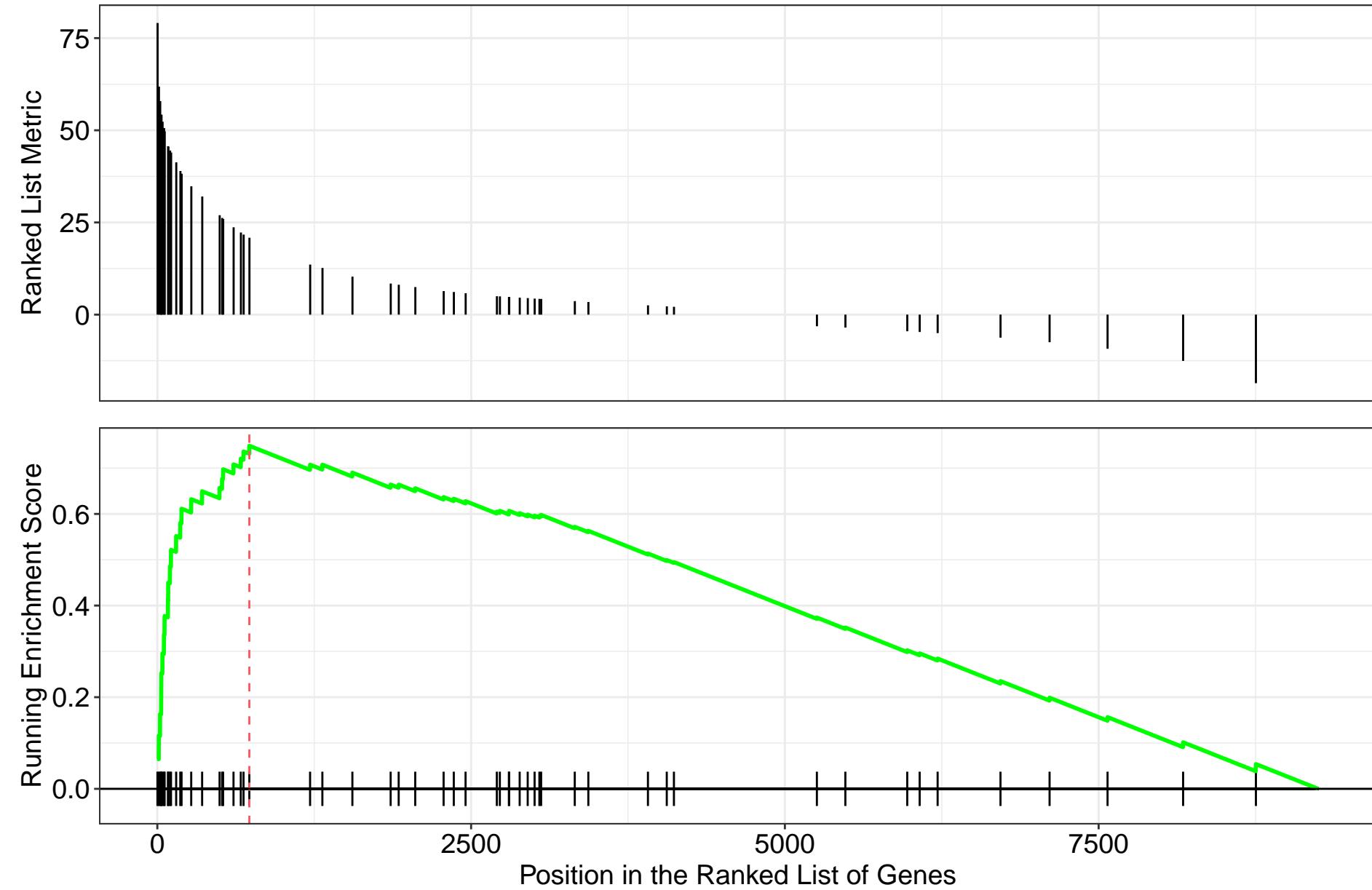
Position in the Ranked List of Genes



cellular response to interferon-gamma

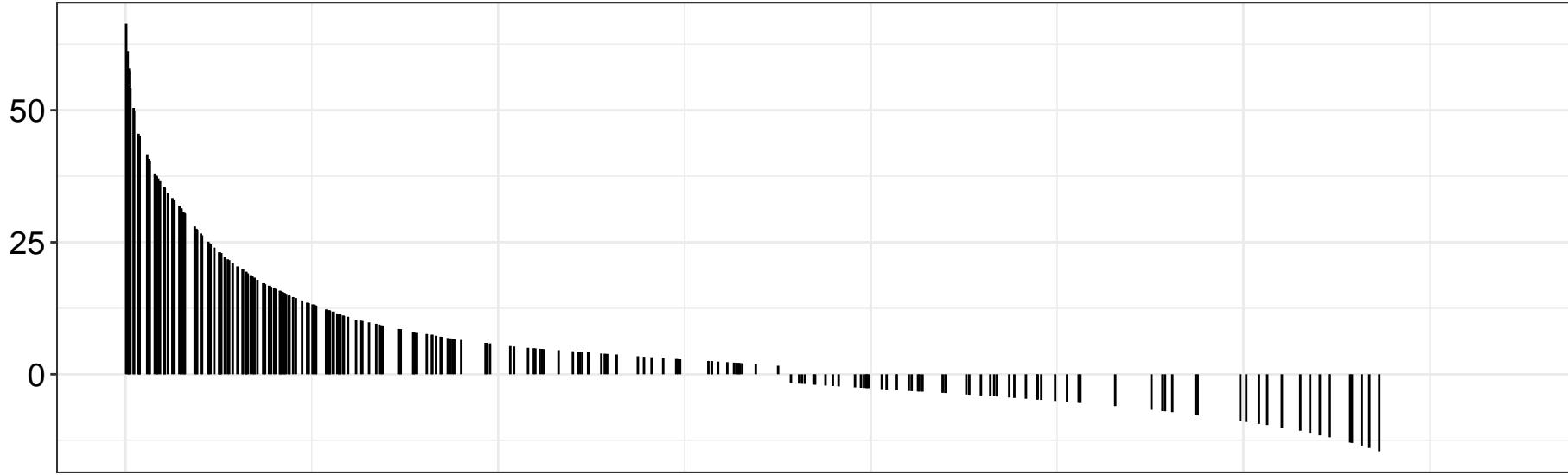


neutrophil chemotaxis



response to virus

Ranked List Metric



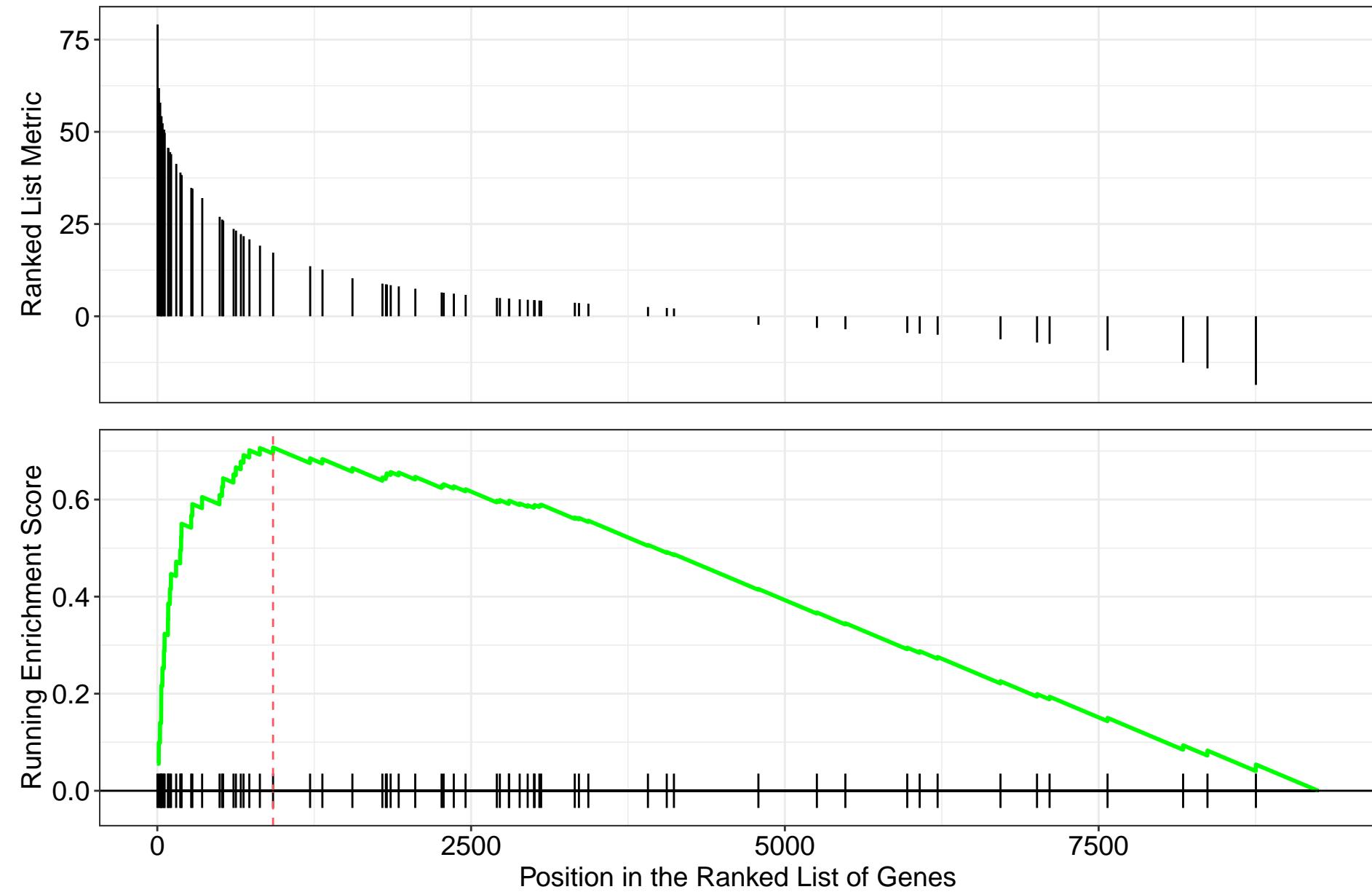
Running Enrichment Score

0 2500 5000 7500

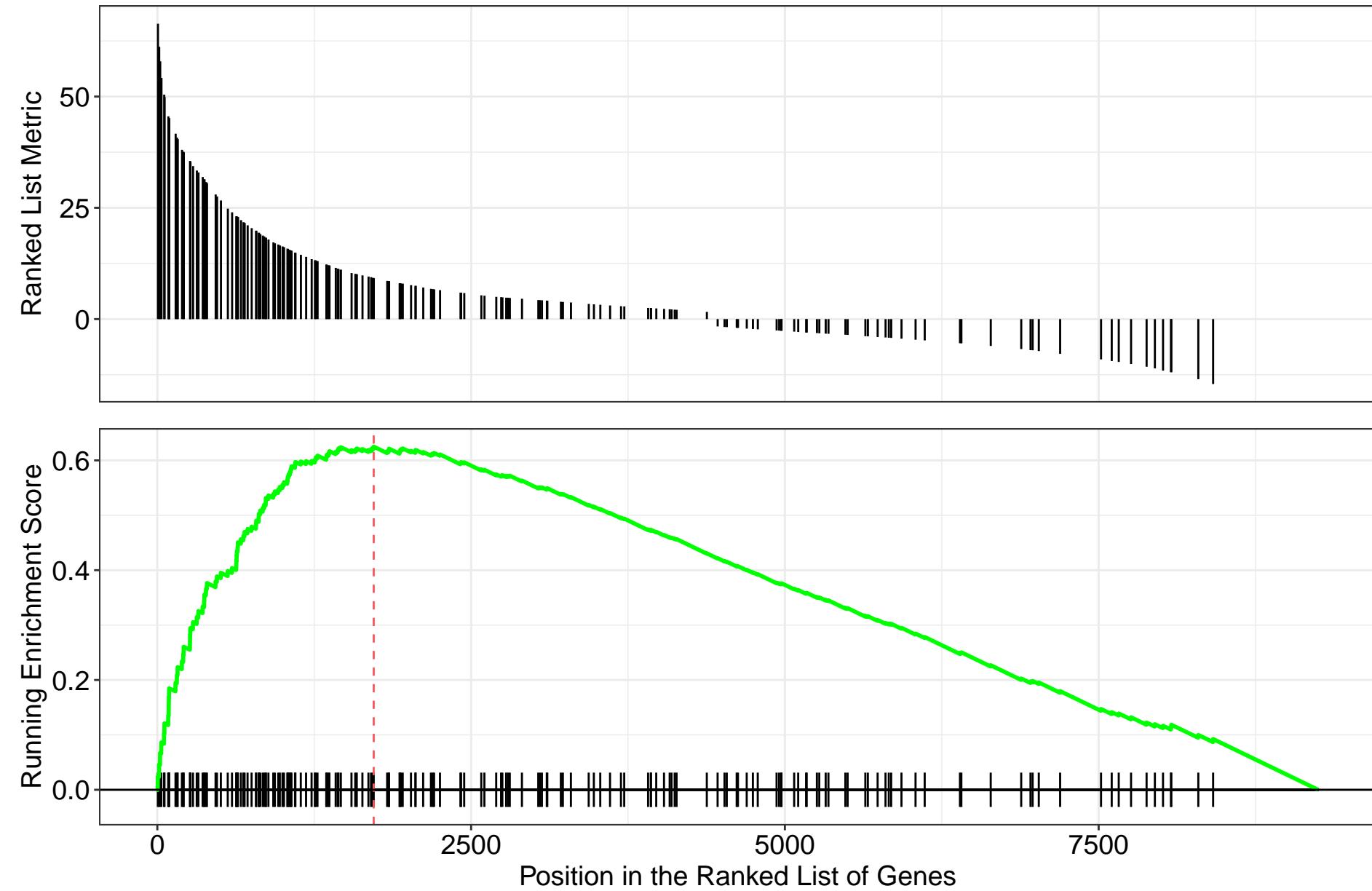
Position in the Ranked List of Genes



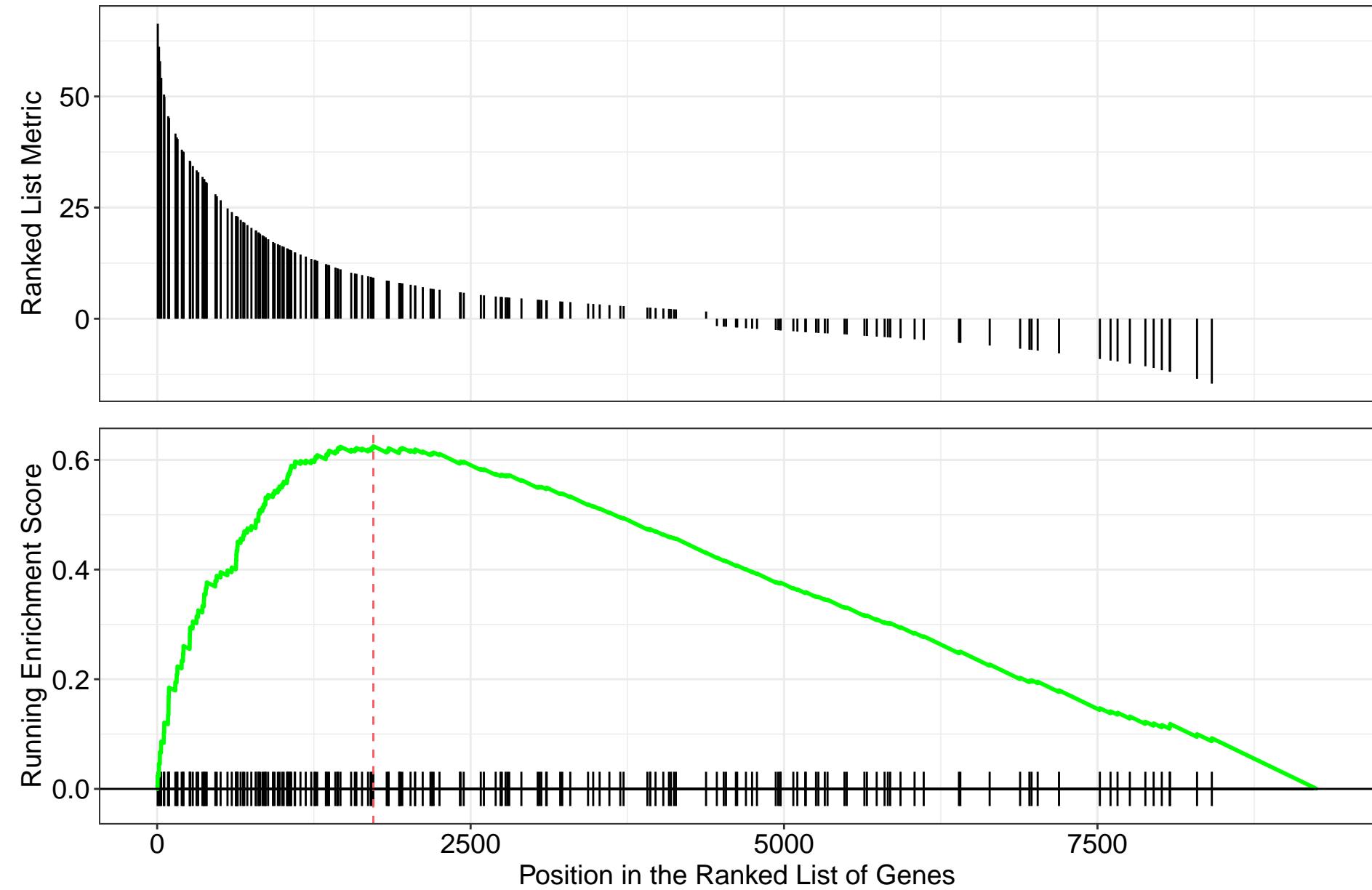
granulocyte chemotaxis



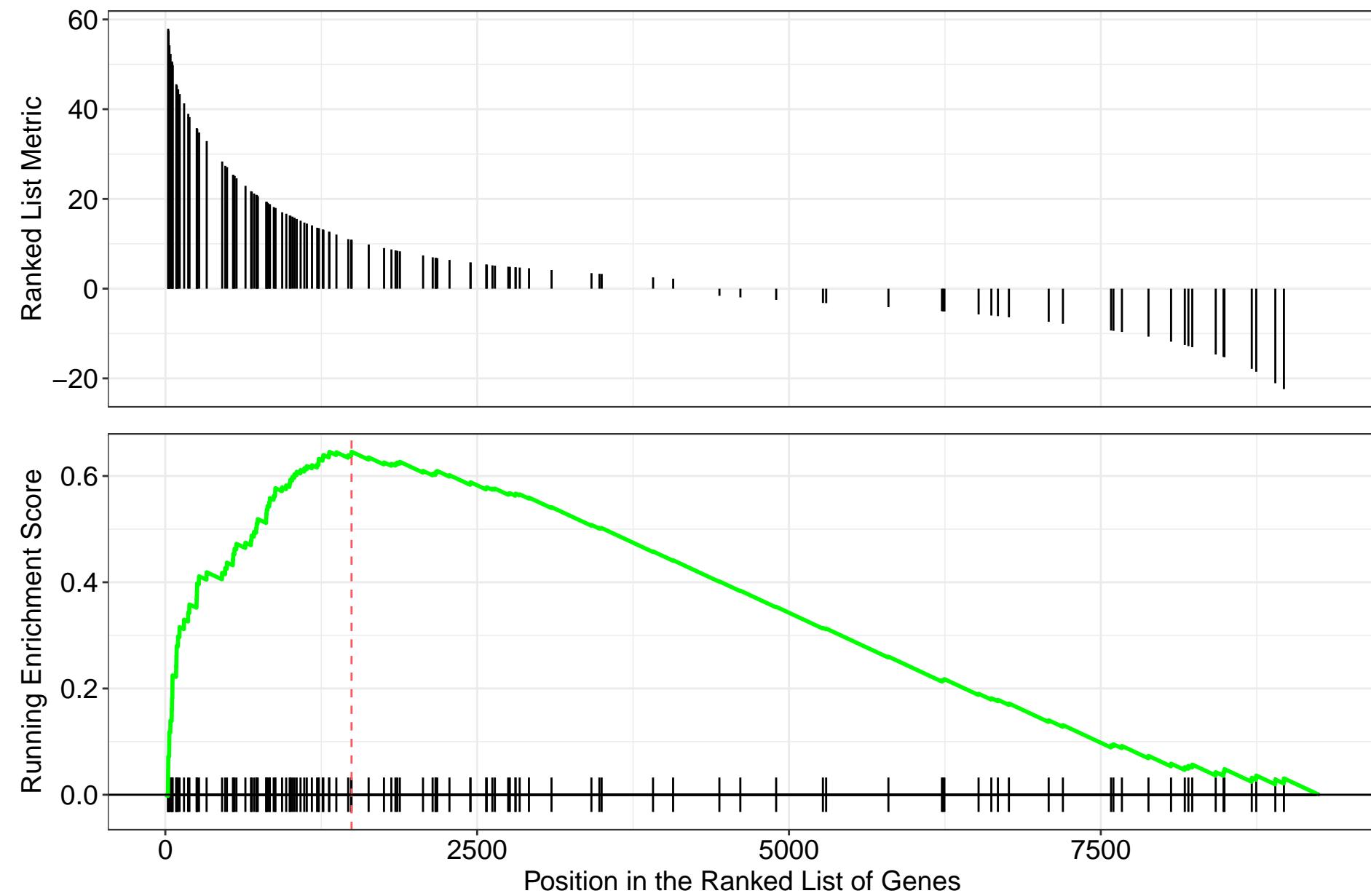
defense response to virus



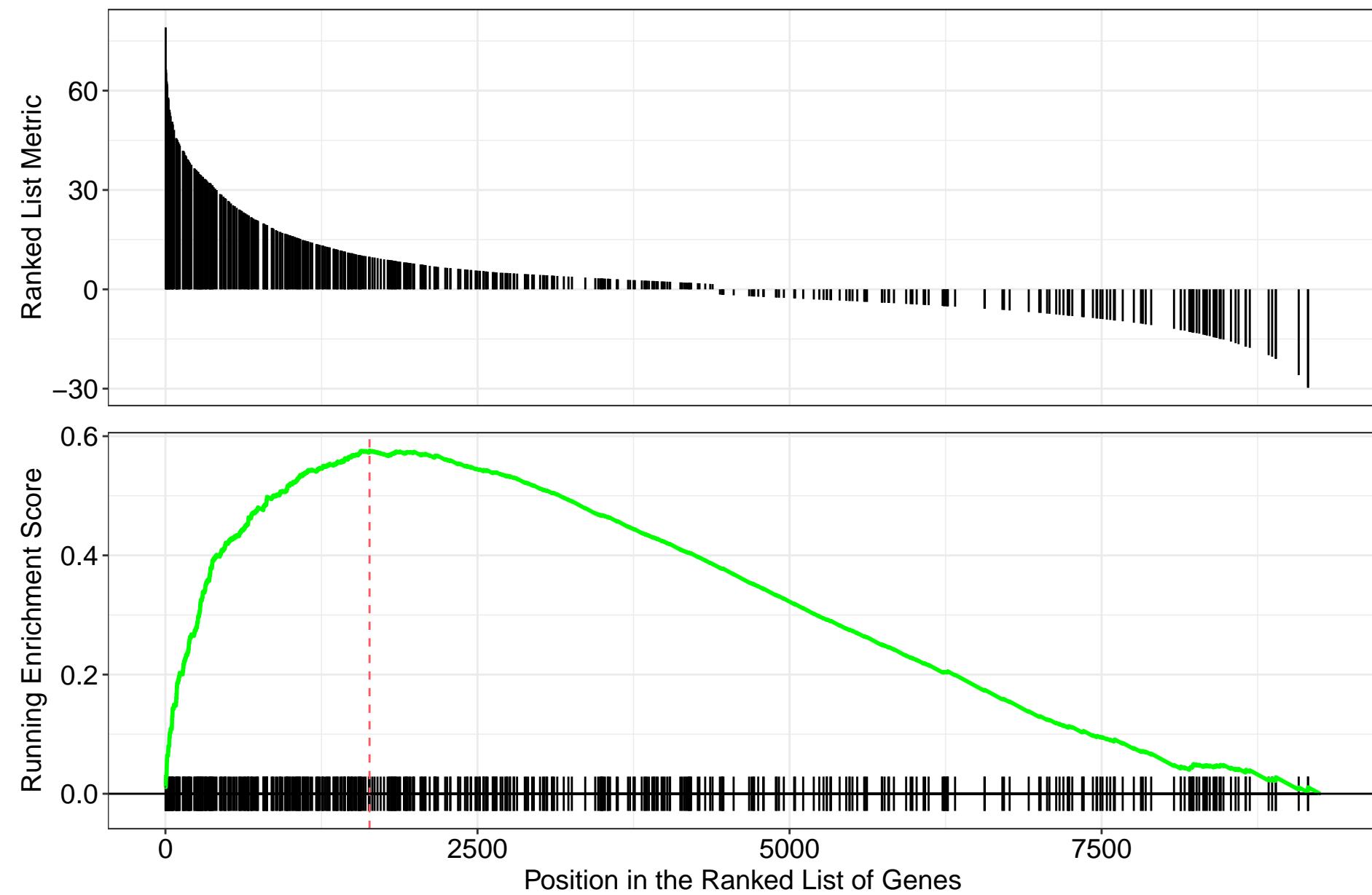
defense response to symbiont



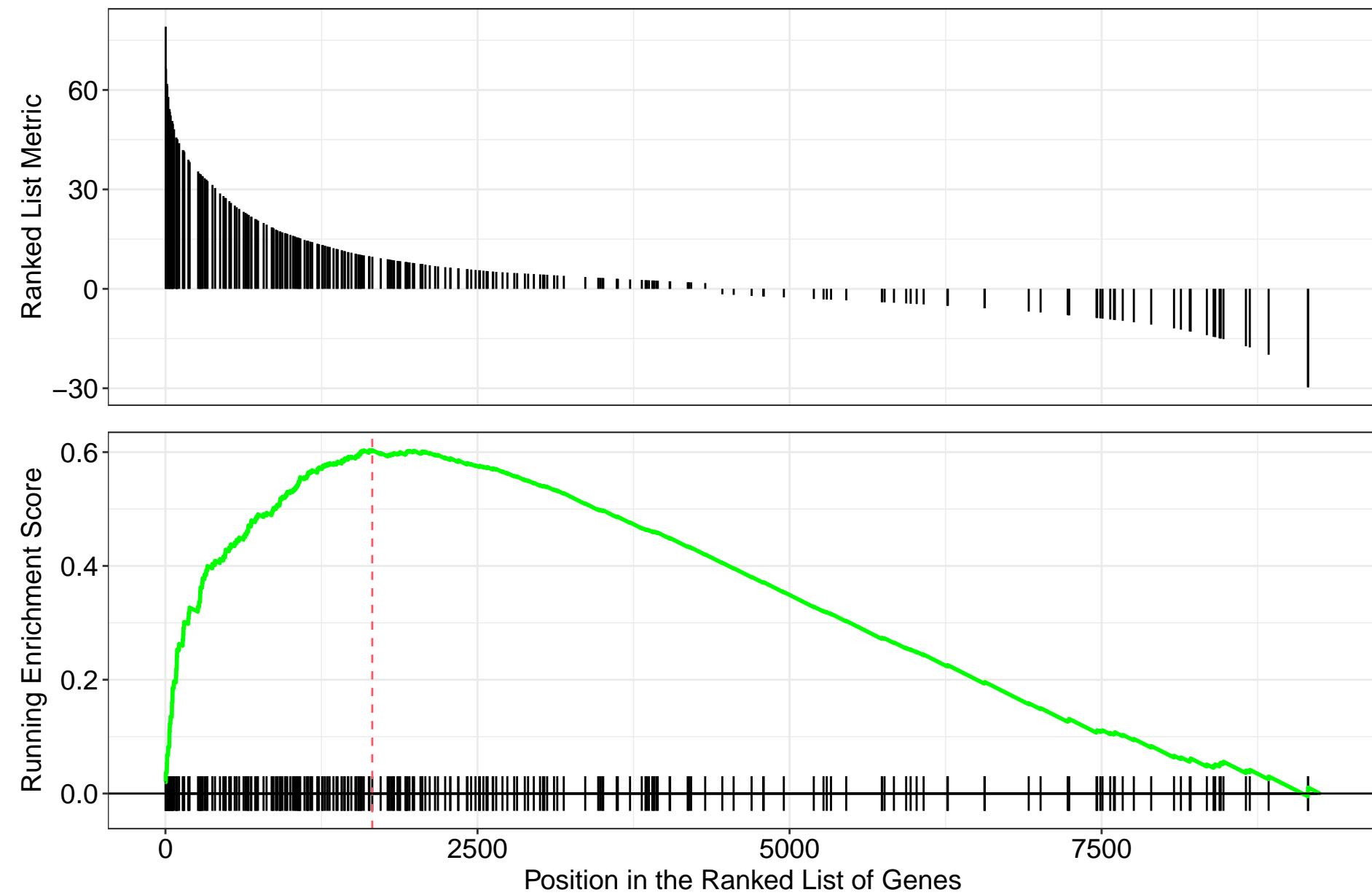
cellular response to lipopolysaccharide



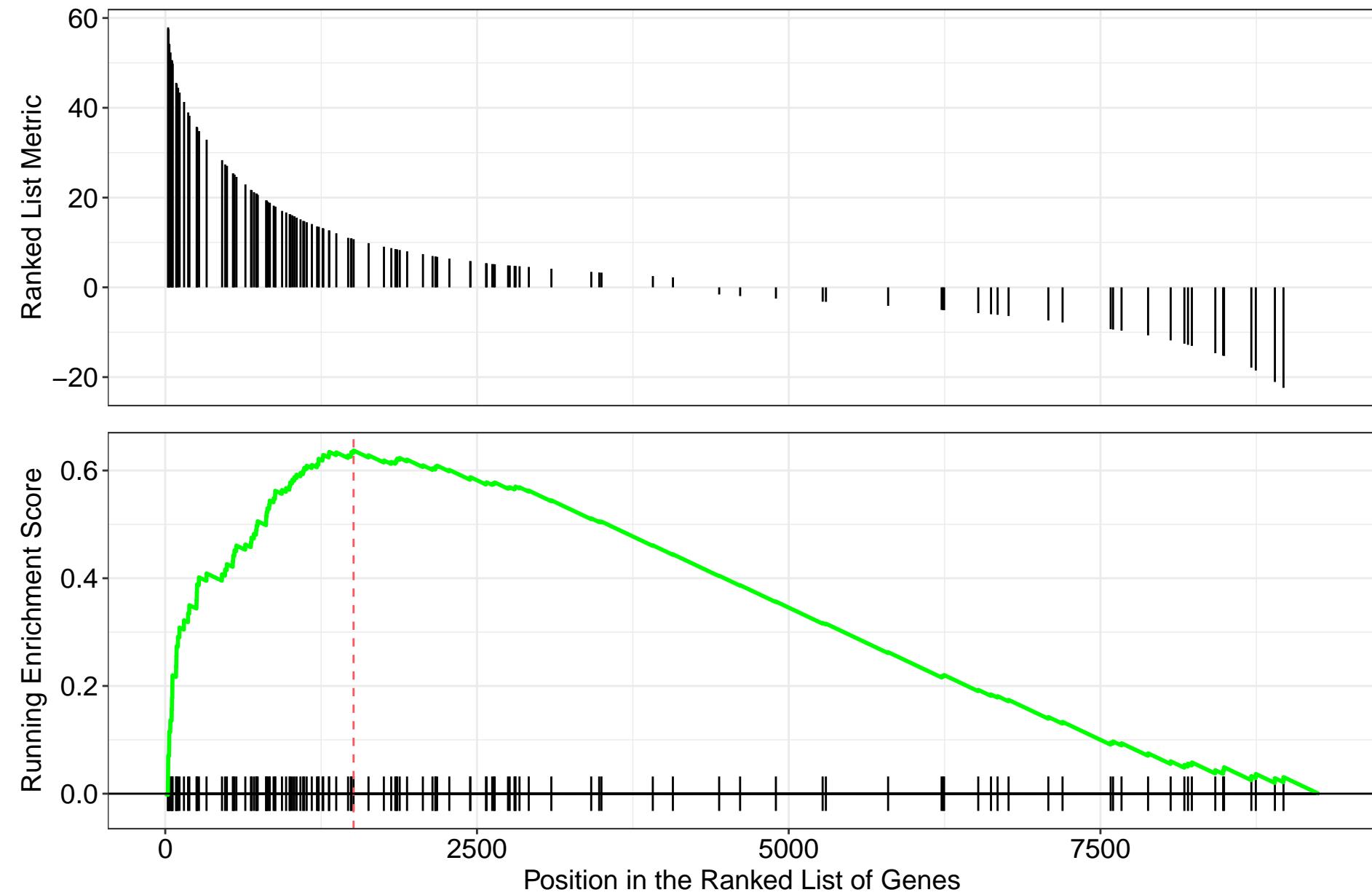
cellular response to cytokine stimulus



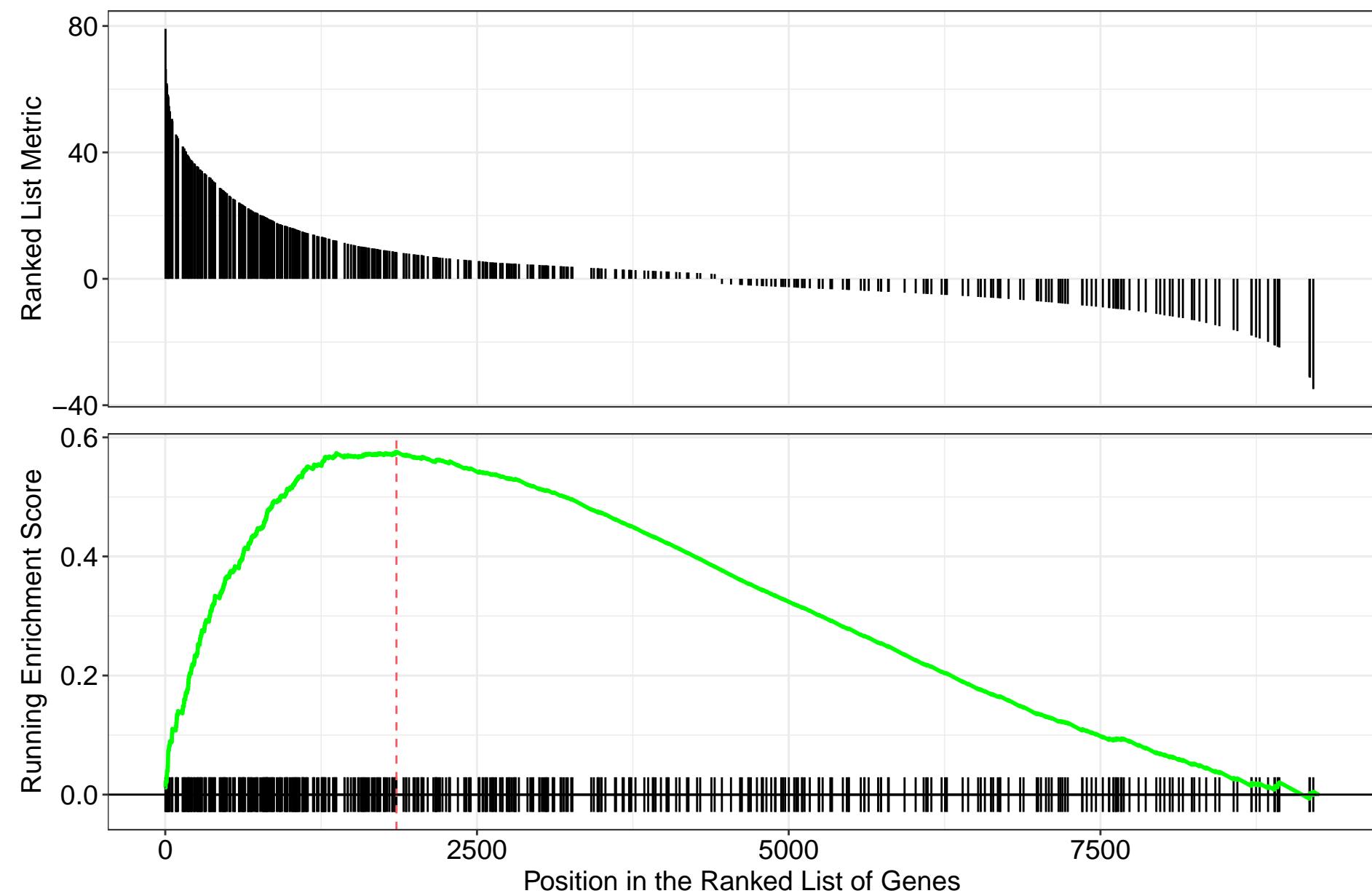
cytokine-mediated signaling pathway



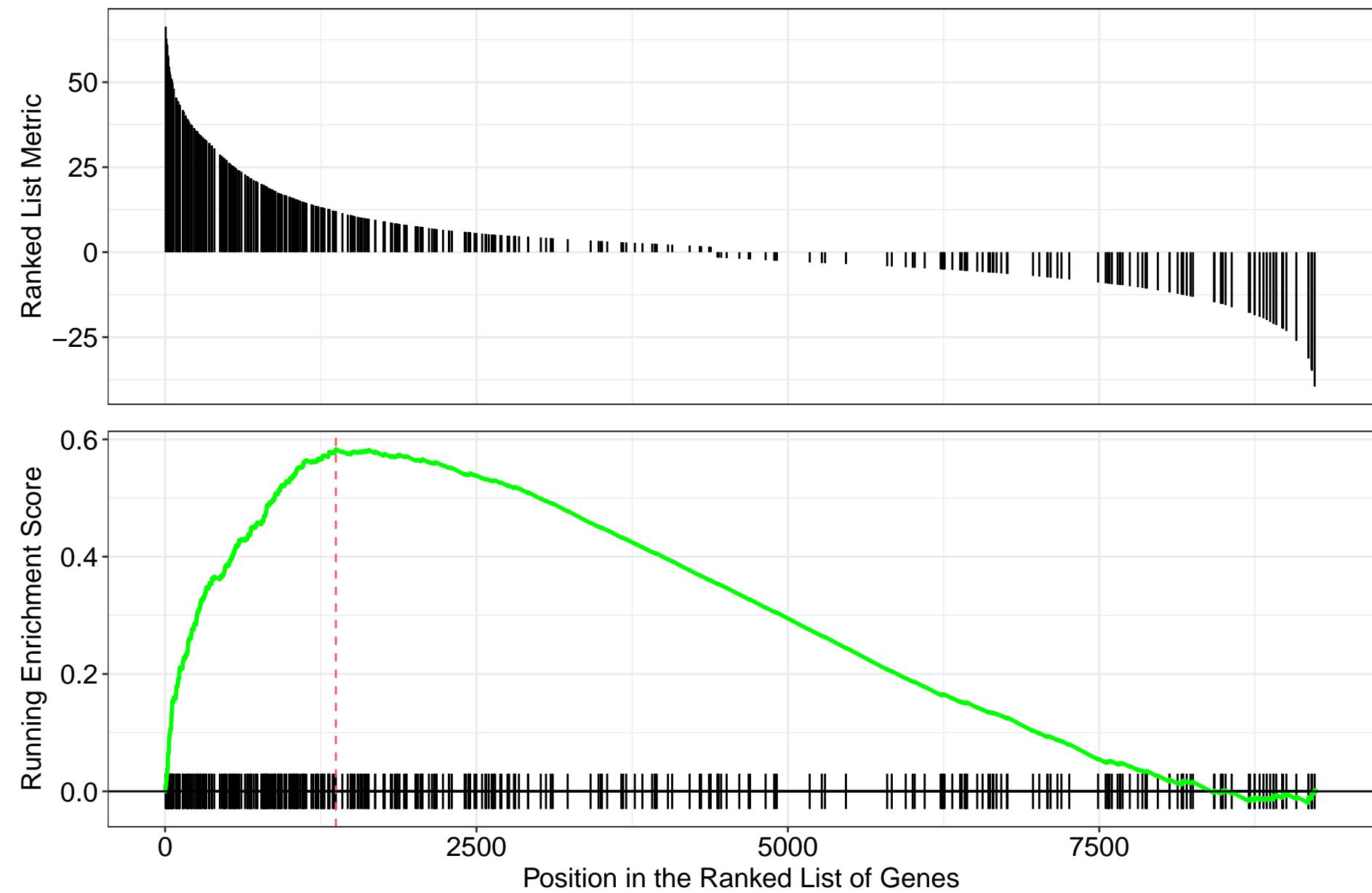
cellular response to molecule of bacterial origin



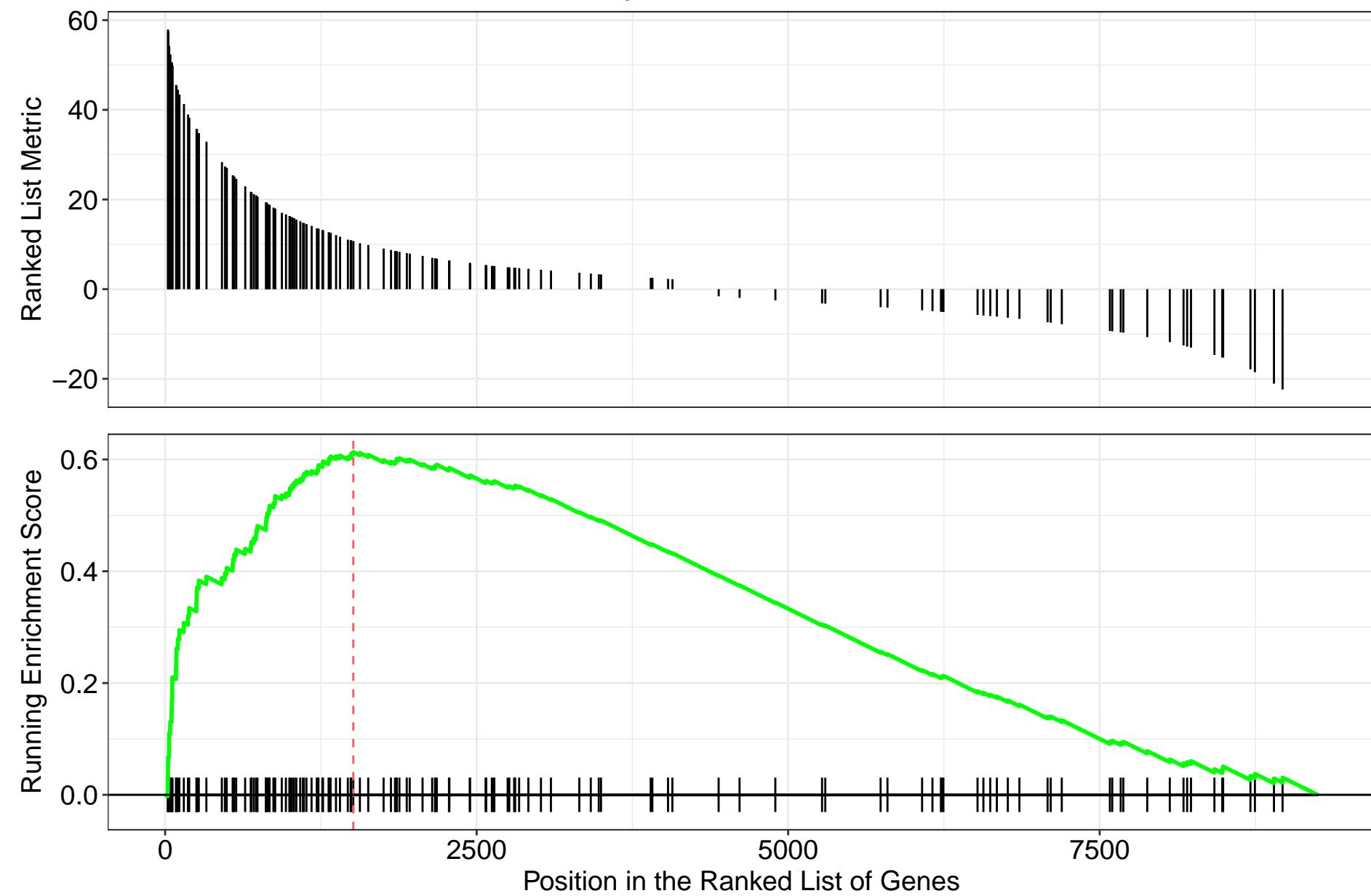
innate immune response



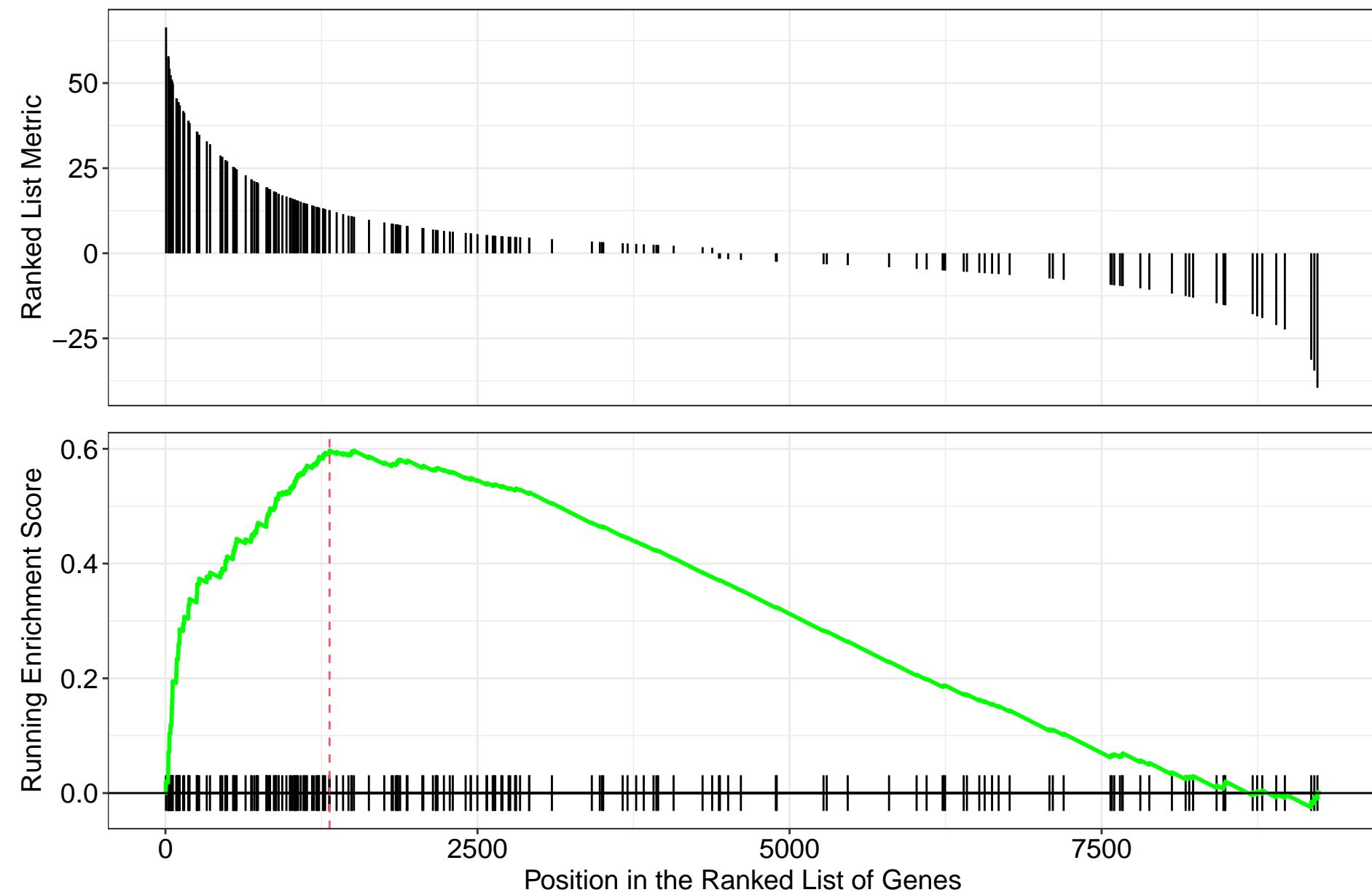
response to bacterium



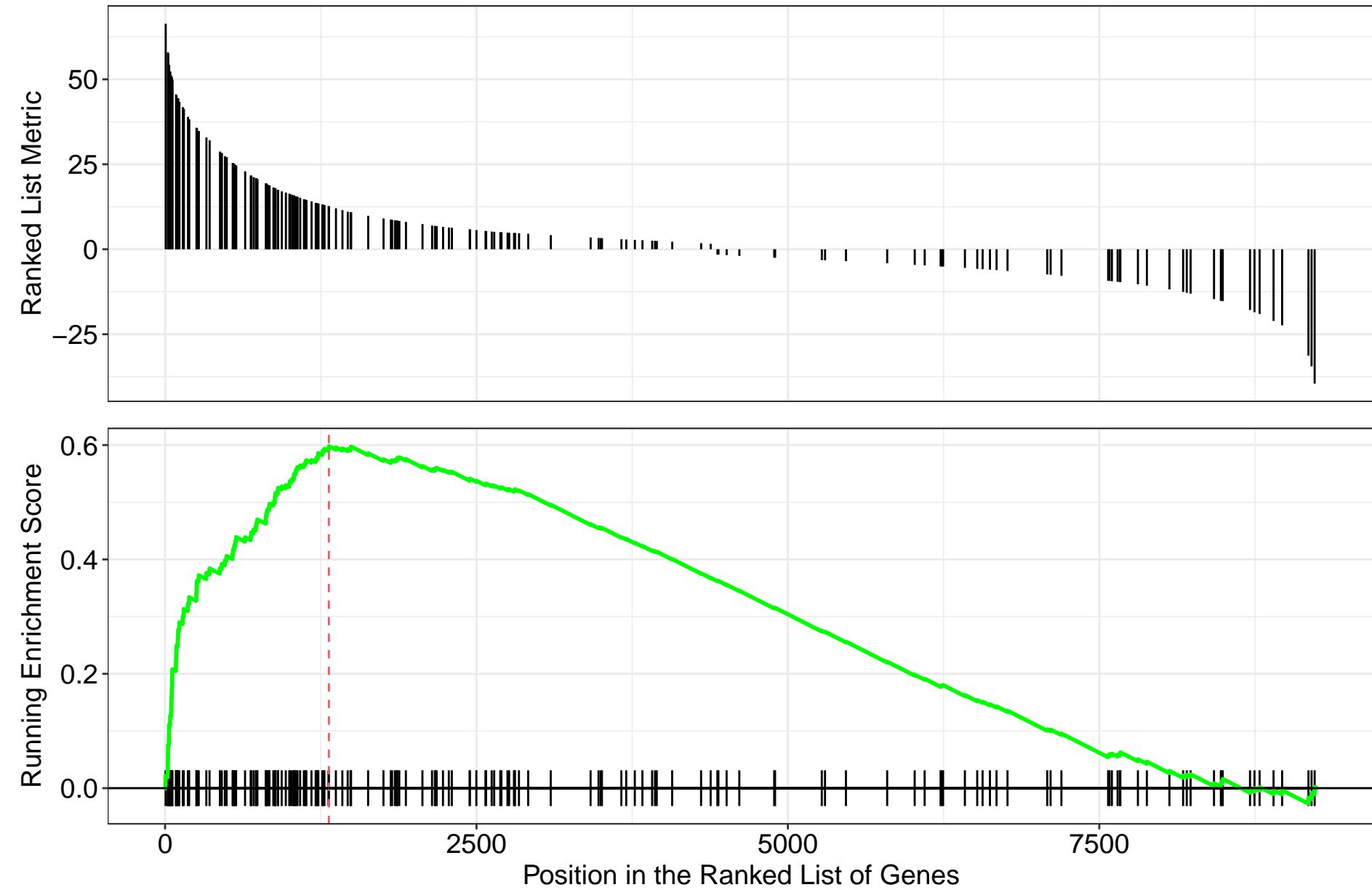
cellular response to biotic stimulus



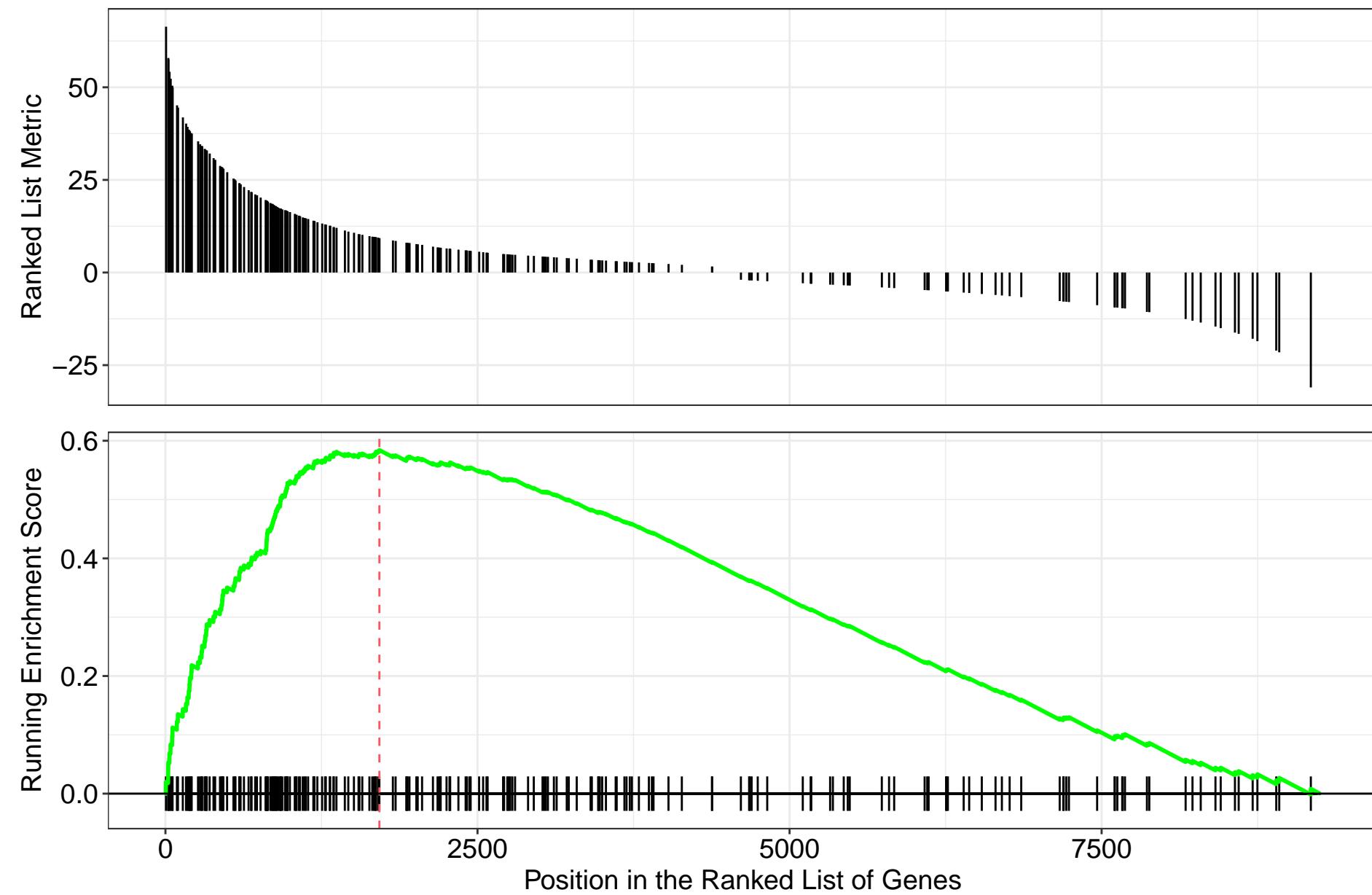
response to molecule of bacterial origin



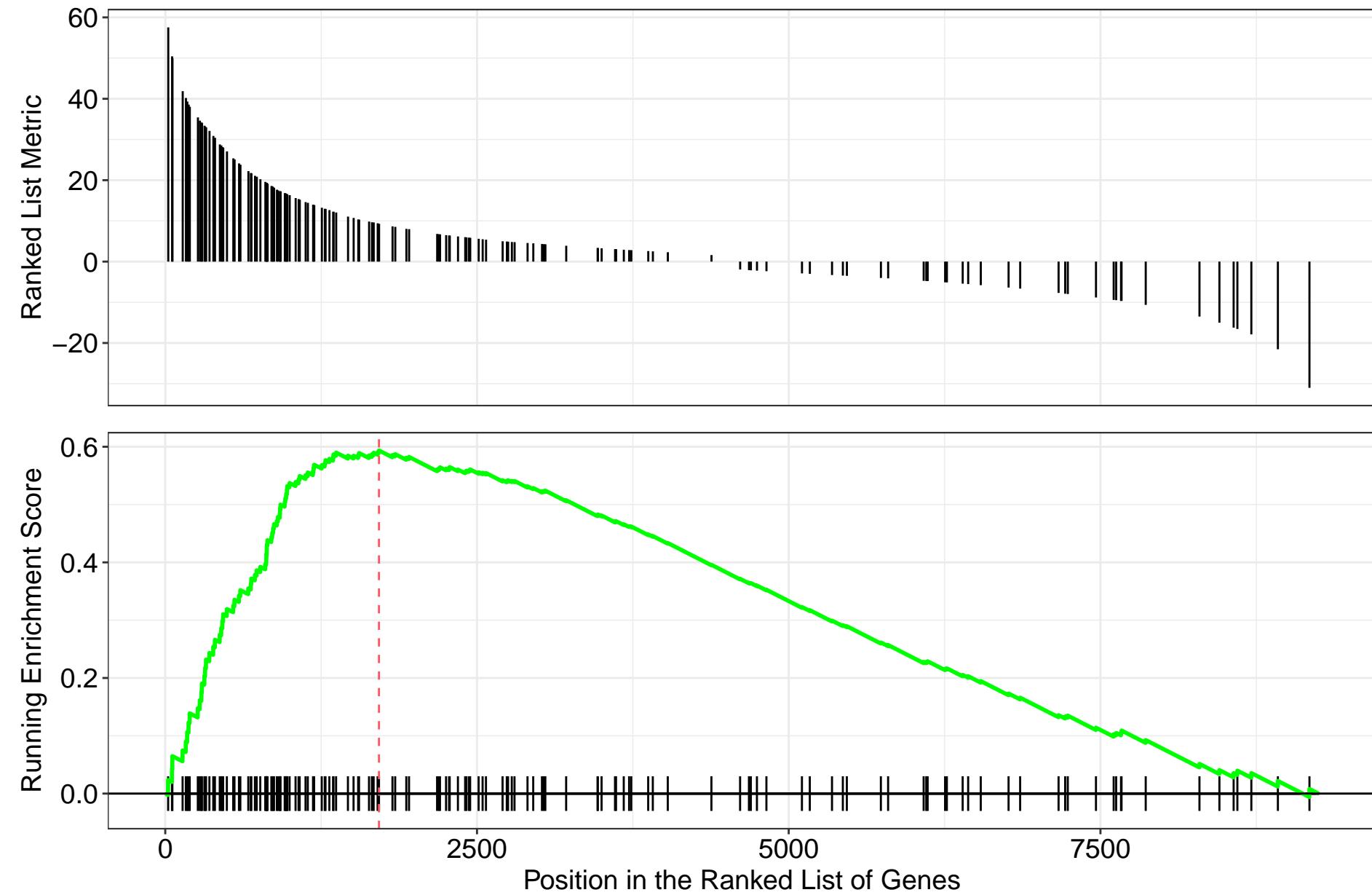
response to lipopolysaccharide



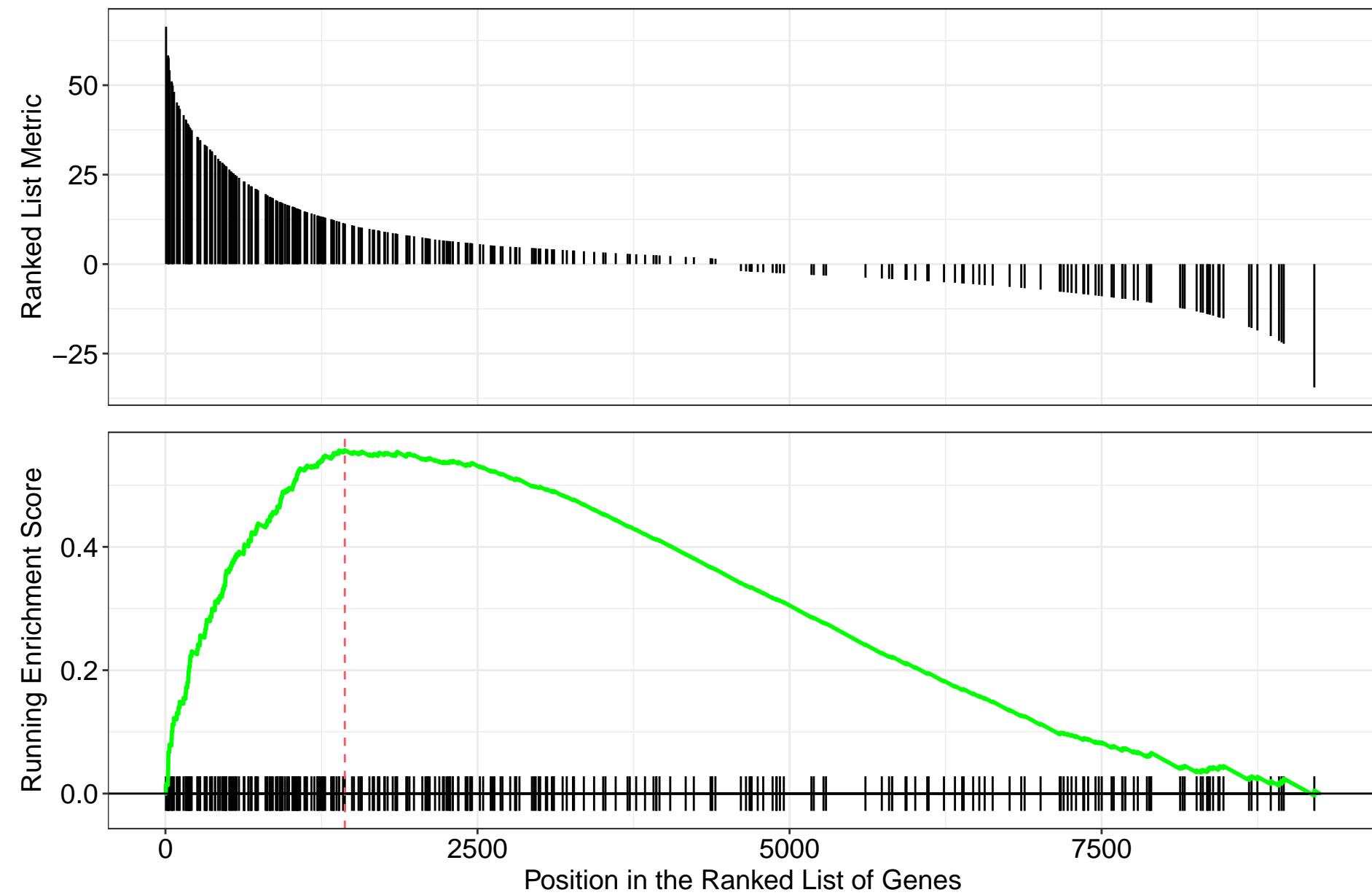
regulation of response to biotic stimulus



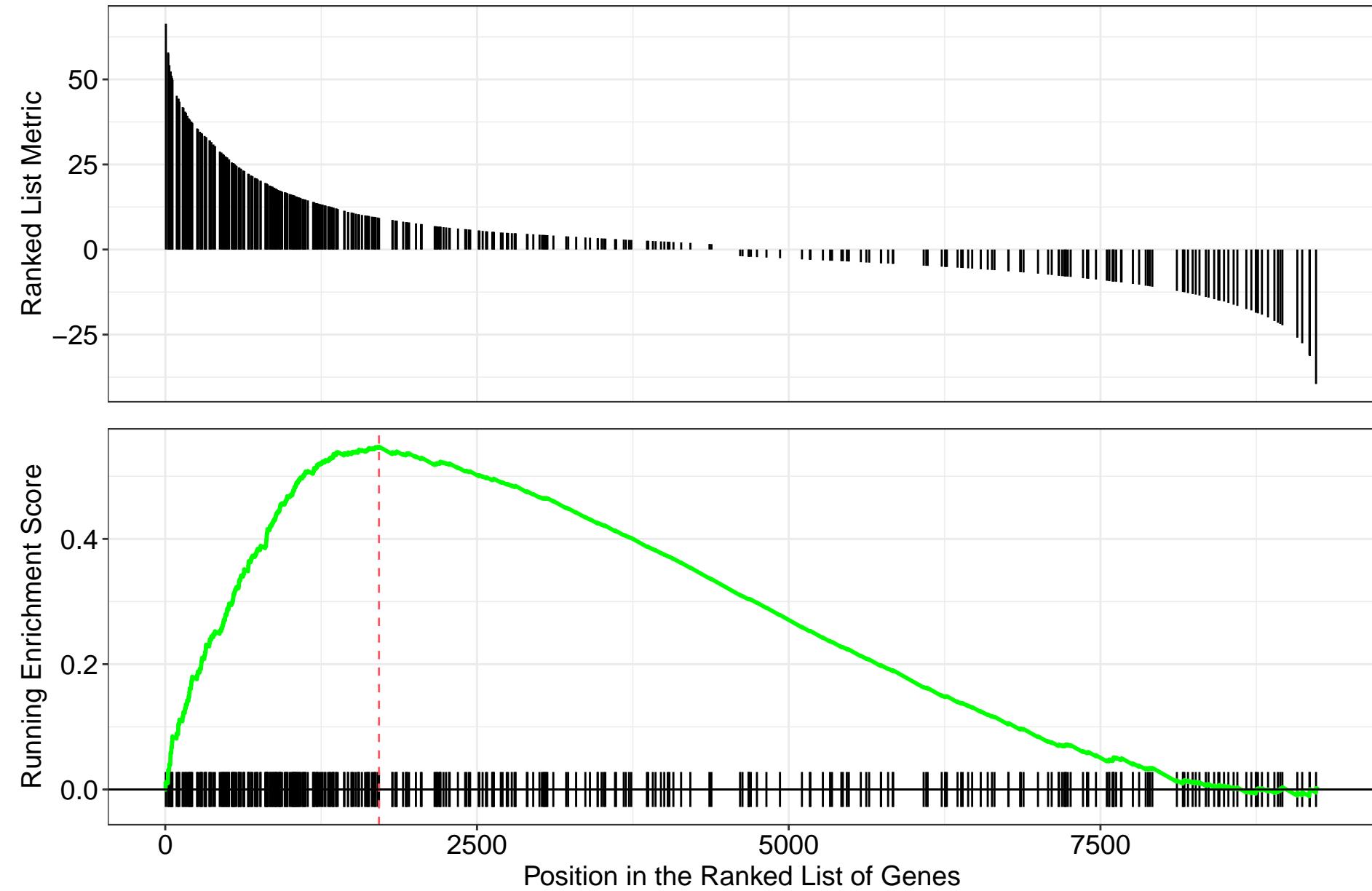
regulation of innate immune response



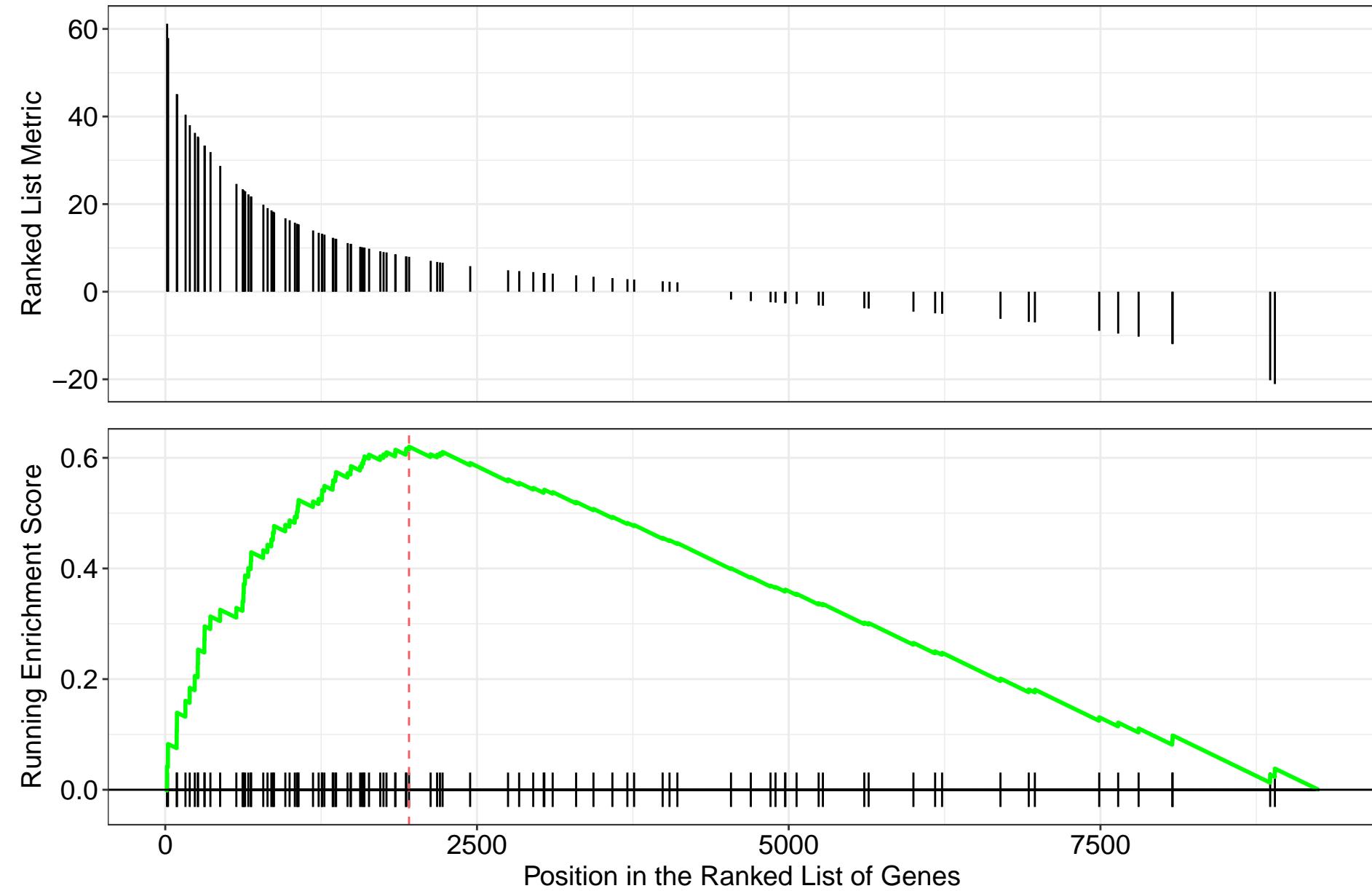
positive regulation of cytokine production



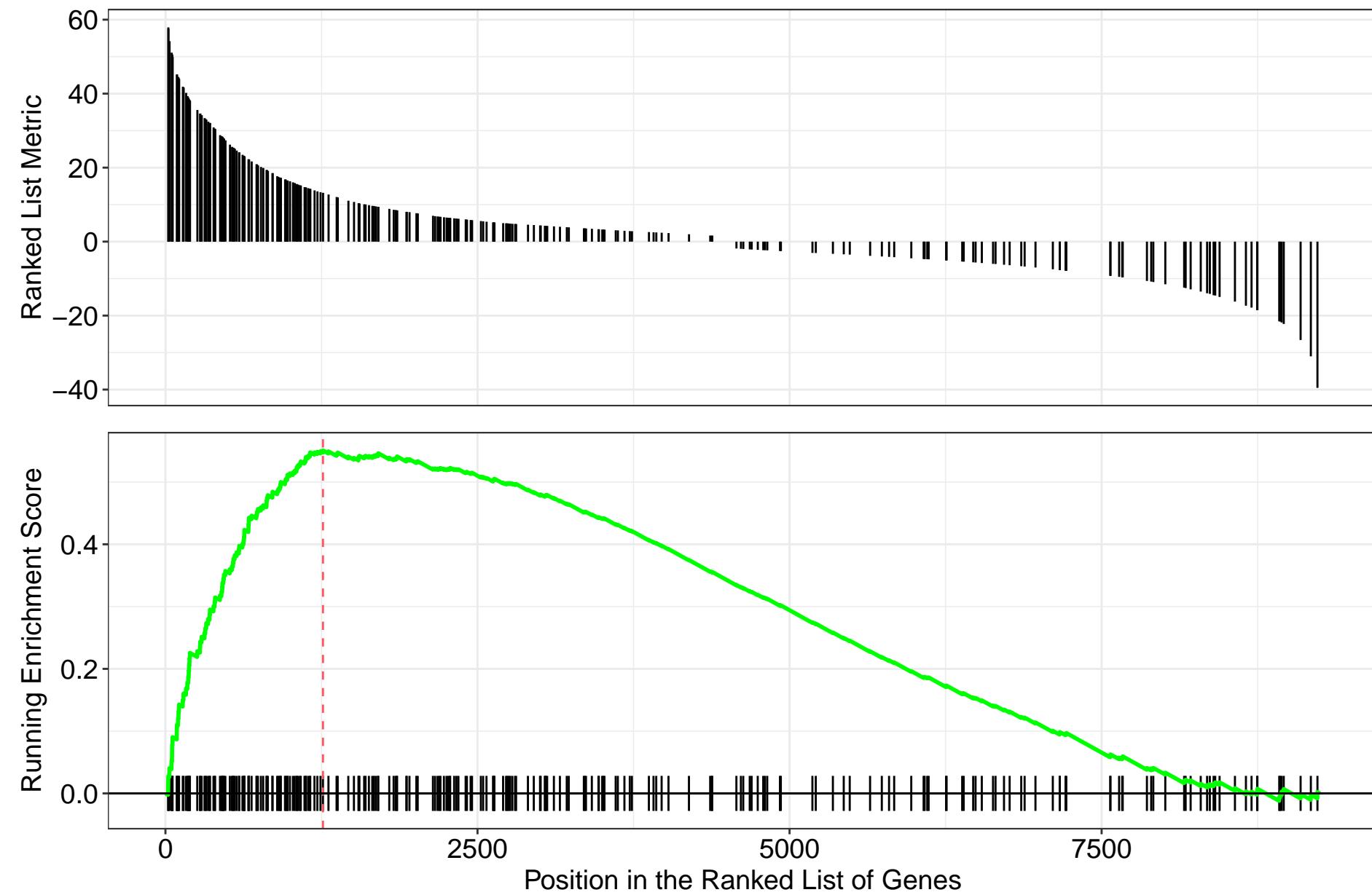
regulation of defense response



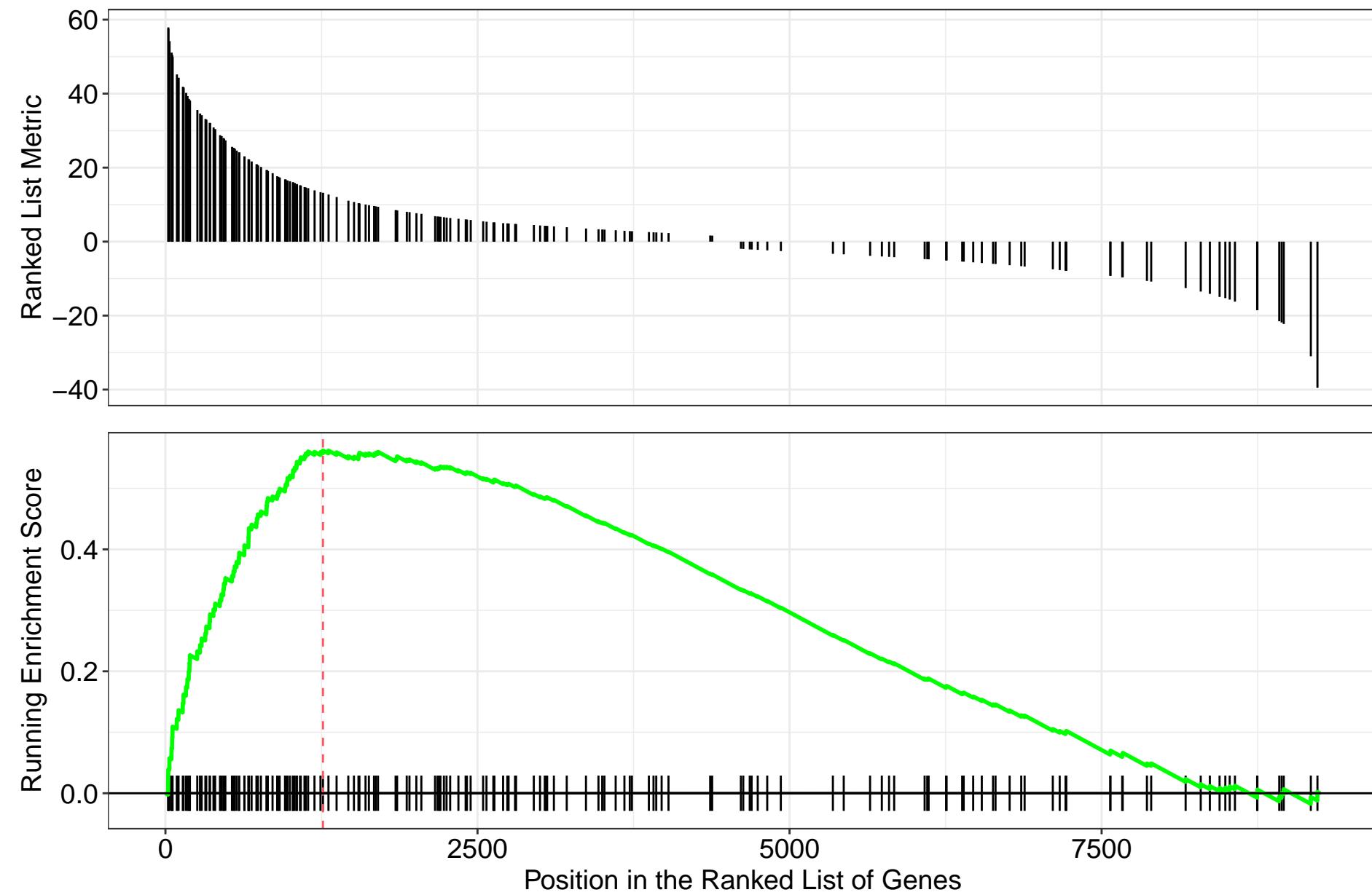
regulation of viral life cycle



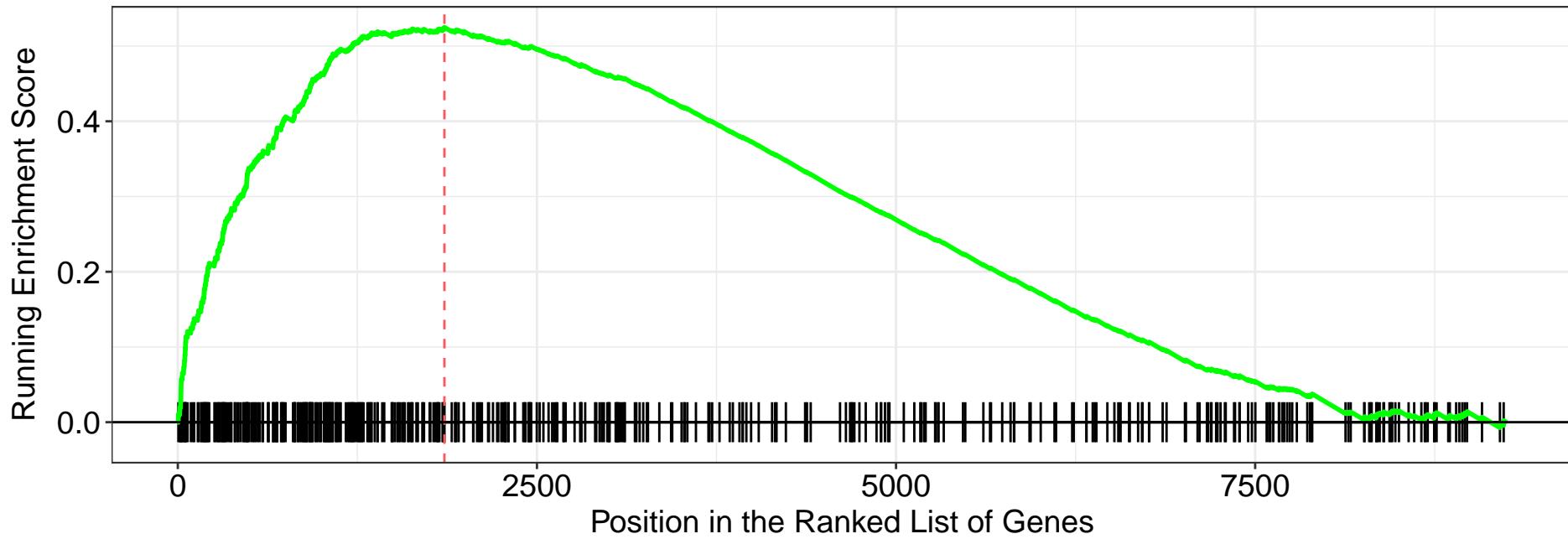
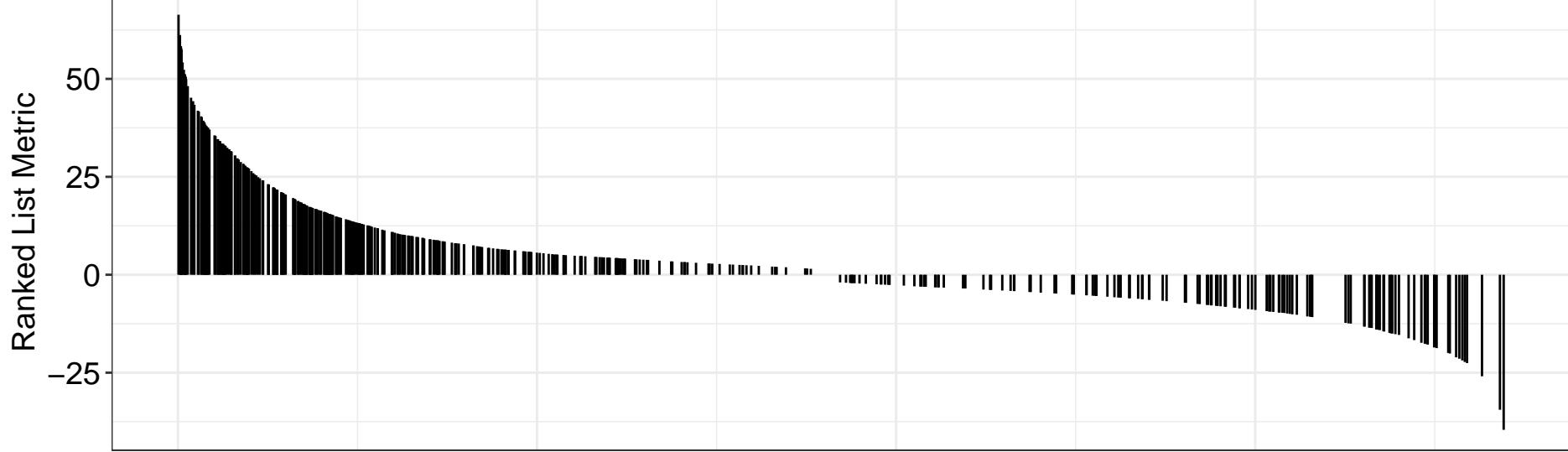
positive regulation of response to external stimulus



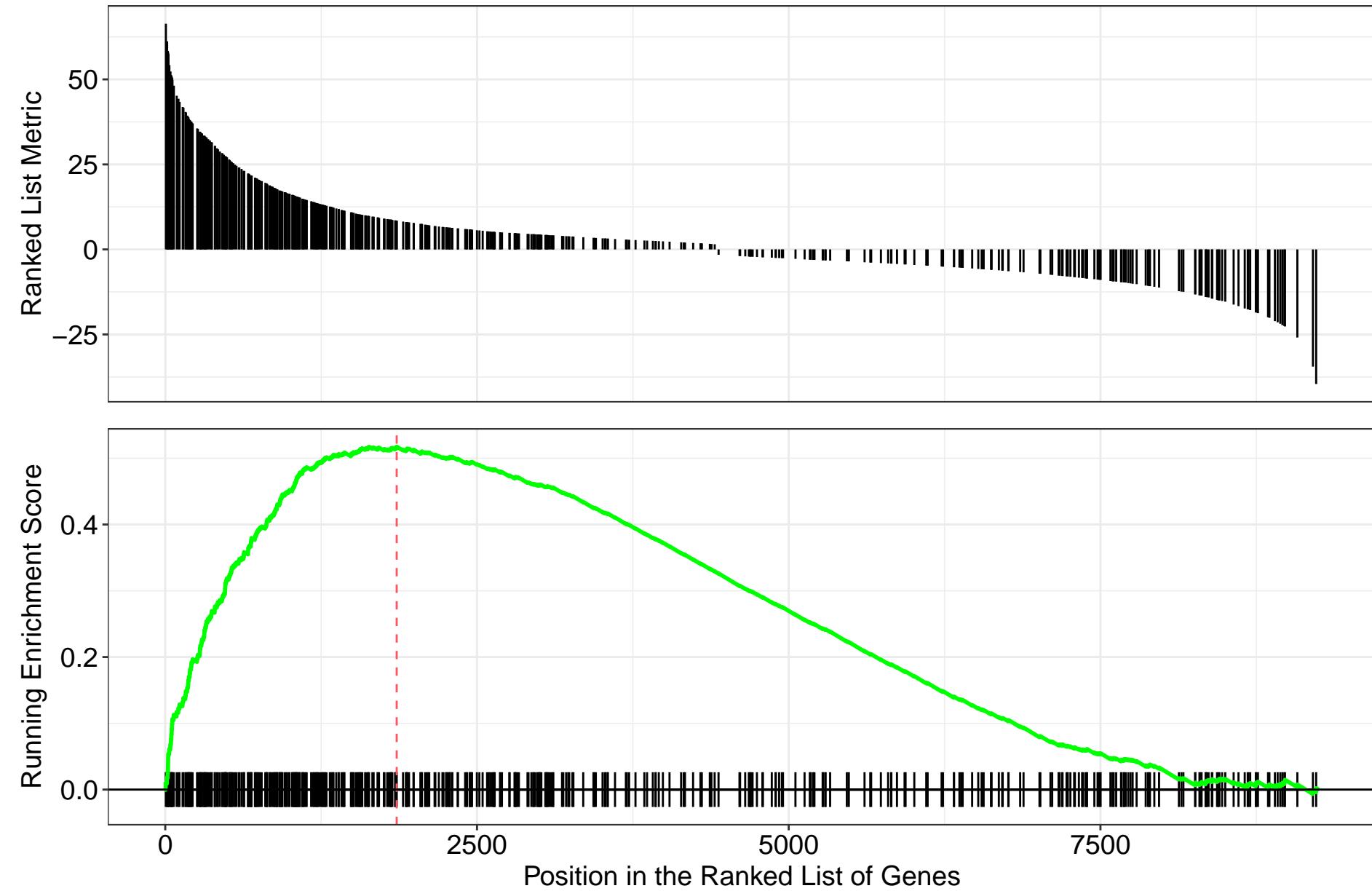
positive regulation of defense response



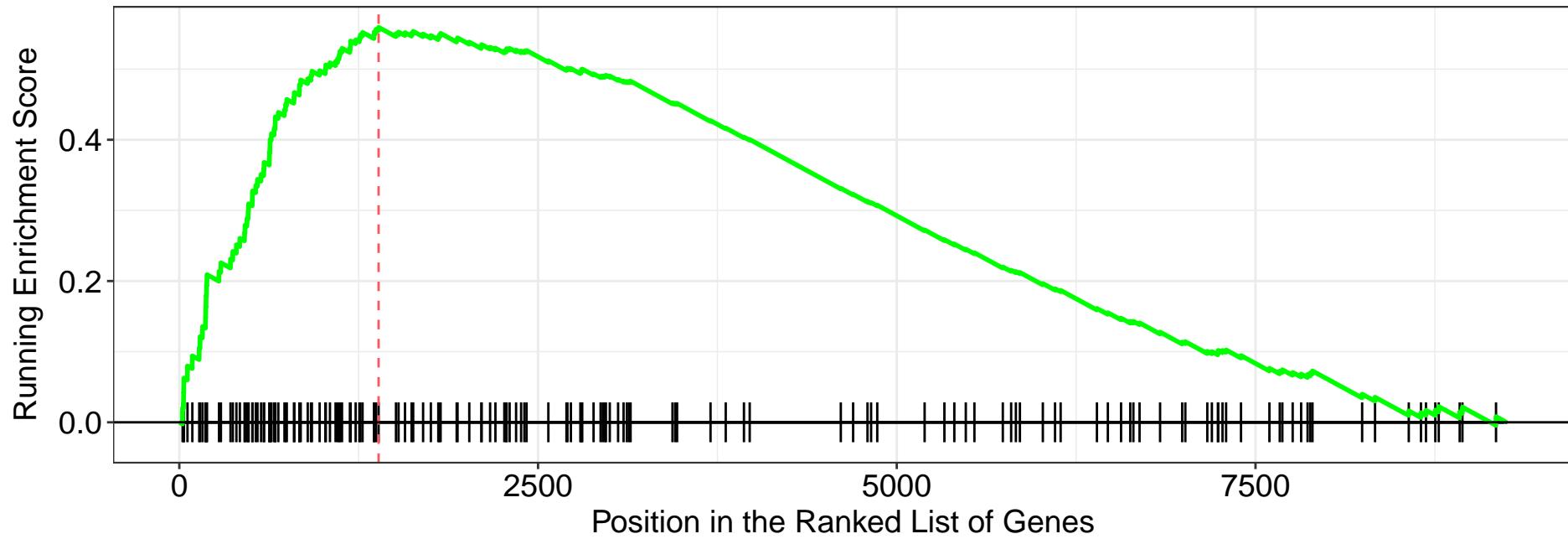
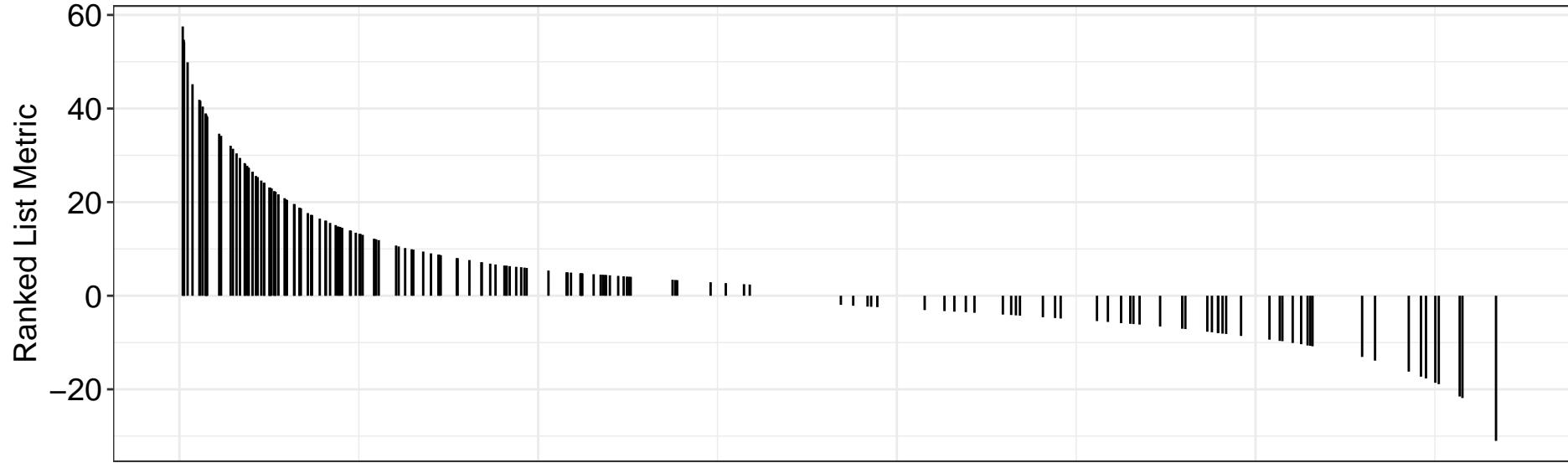
regulation of cytokine production



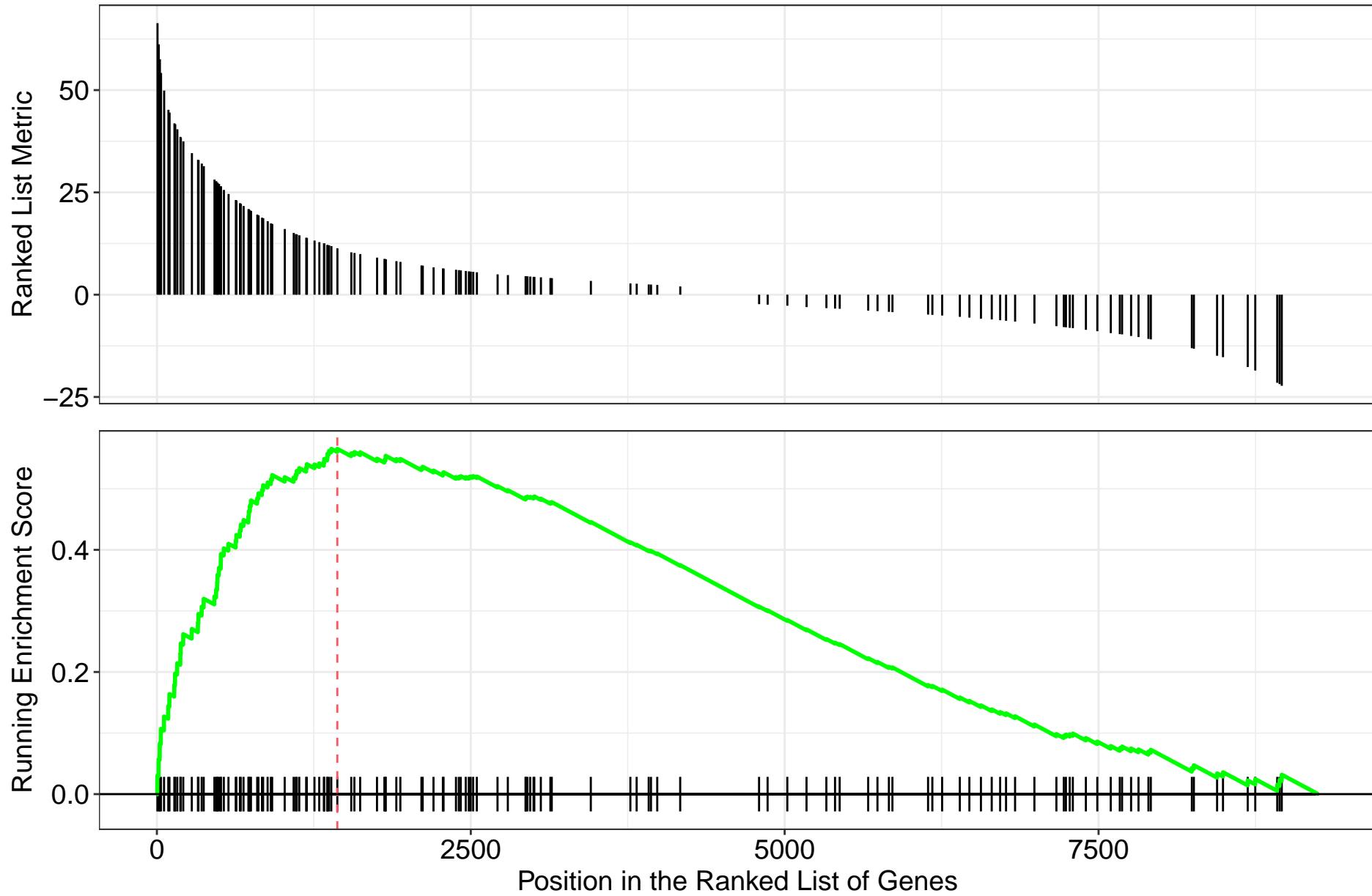
cytokine production



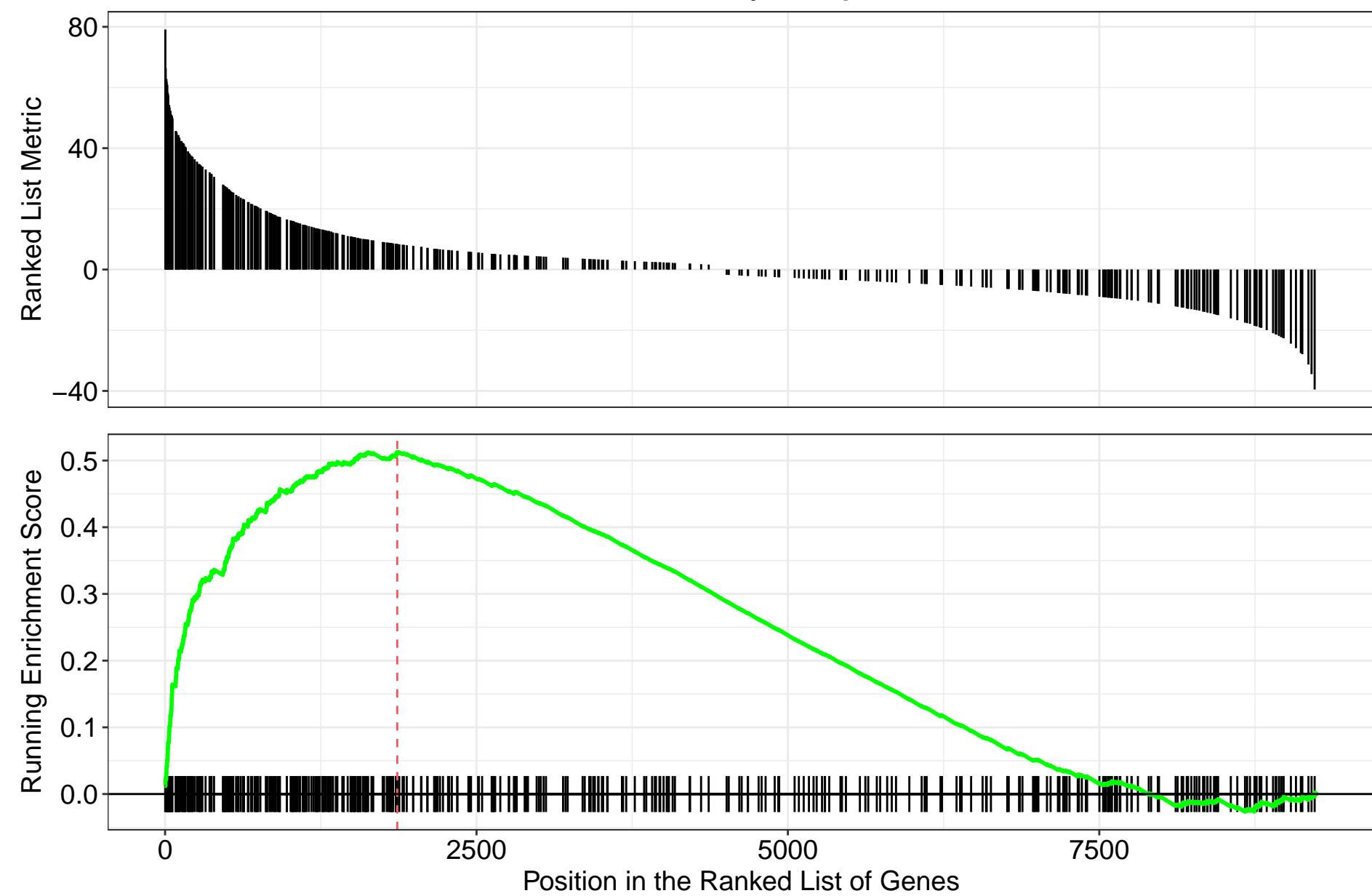
positive regulation of immune effector process



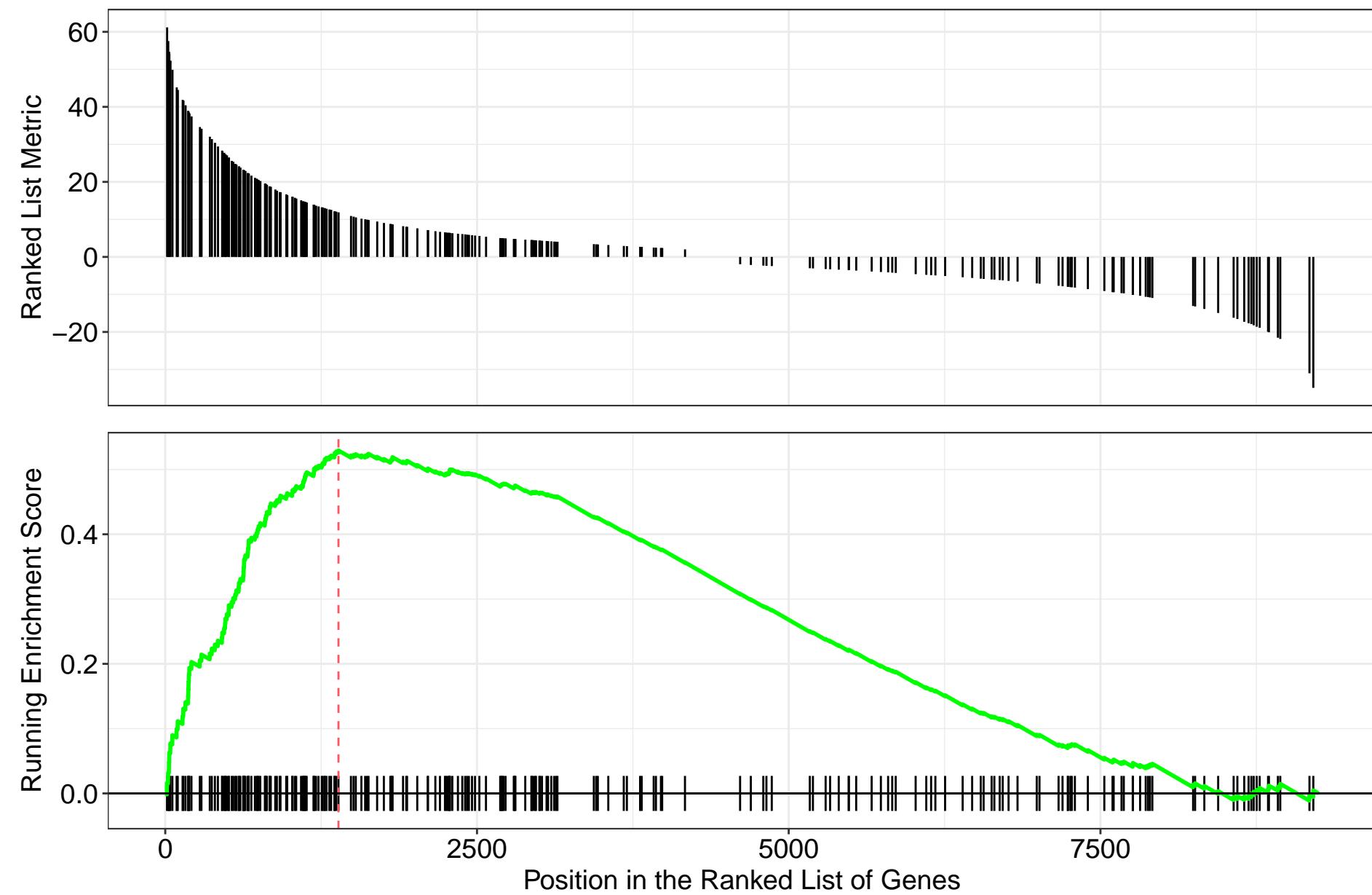
regulation of adaptive immune response



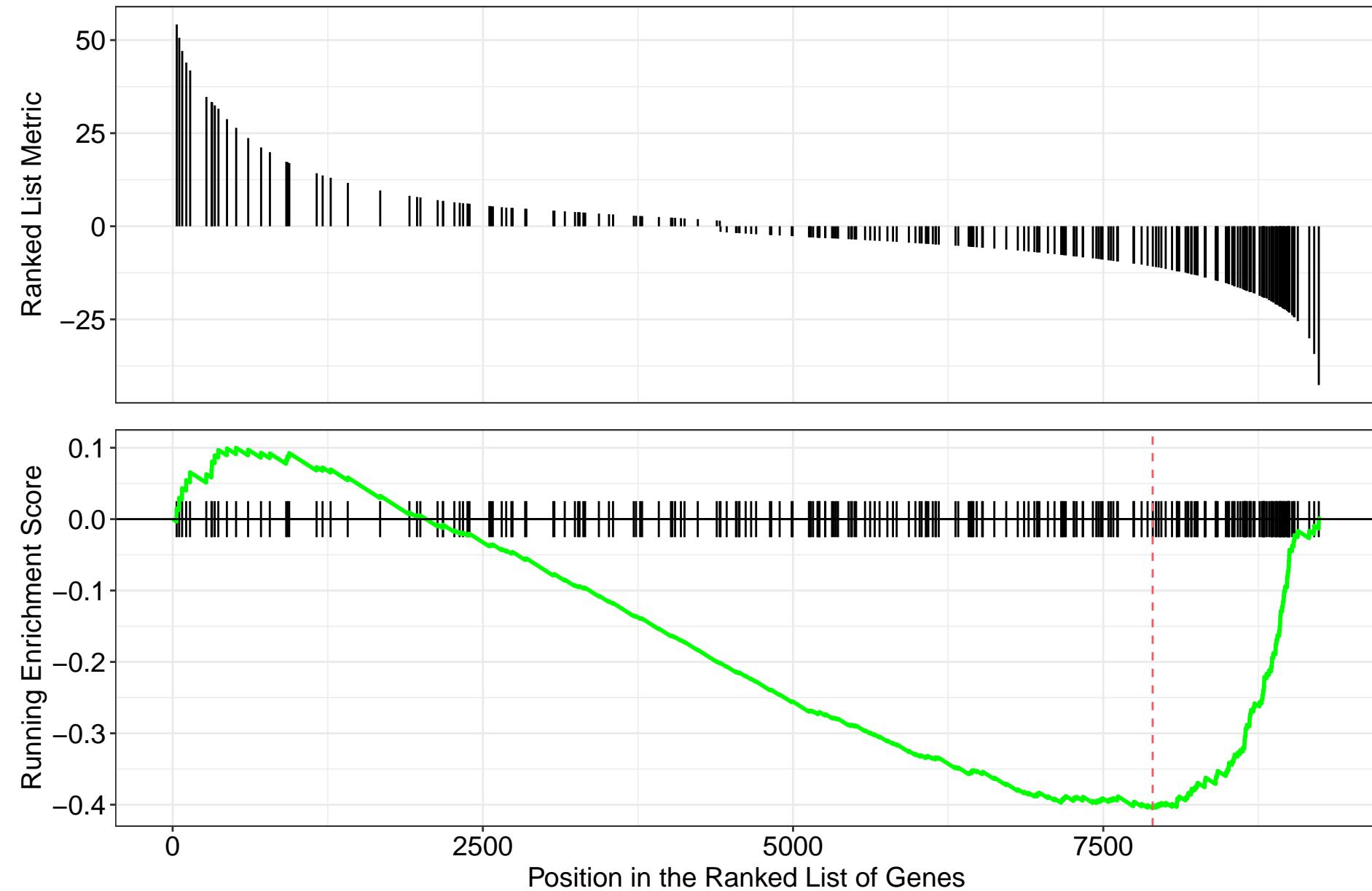
inflammatory response



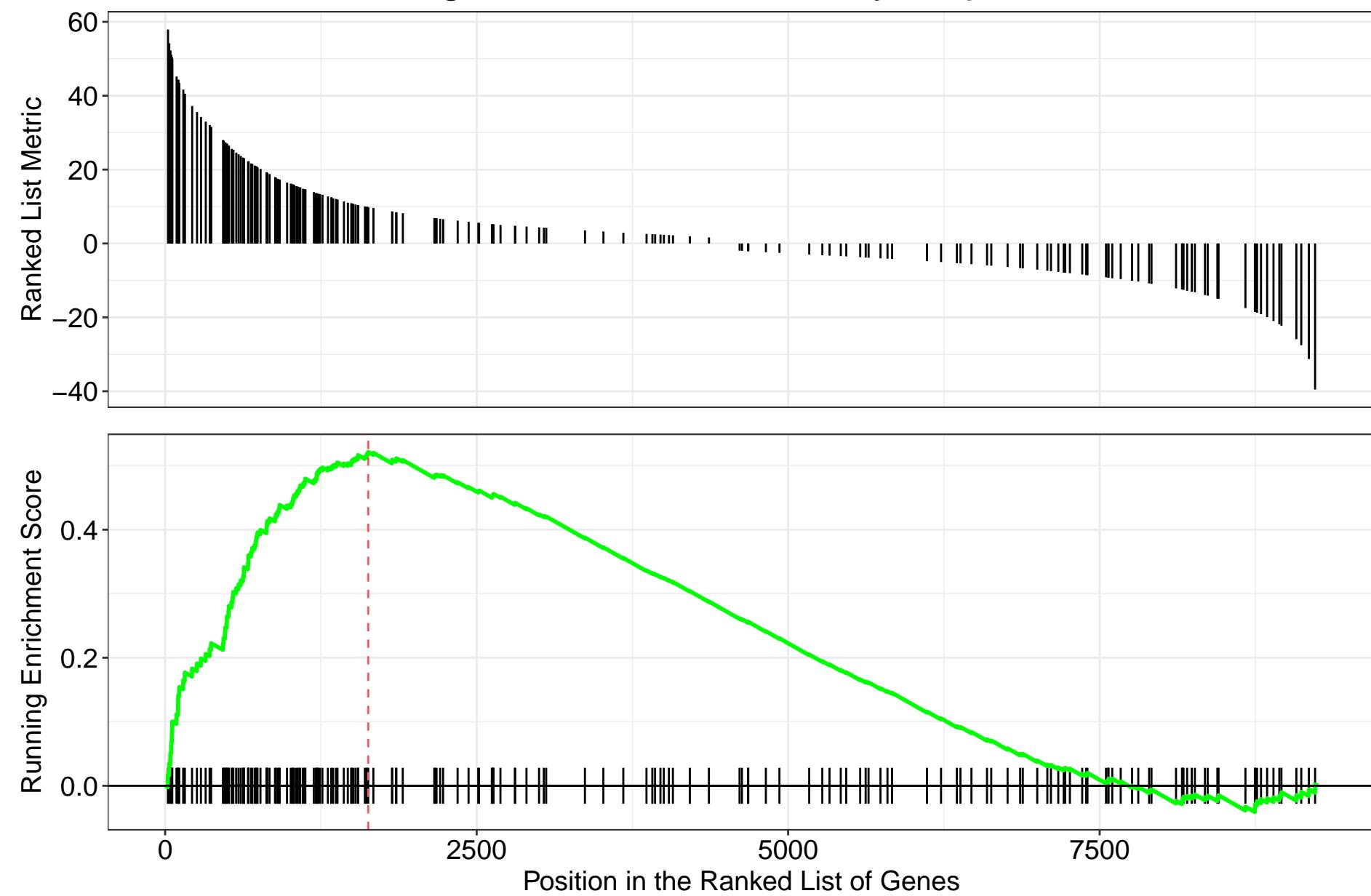
regulation of immune effector process



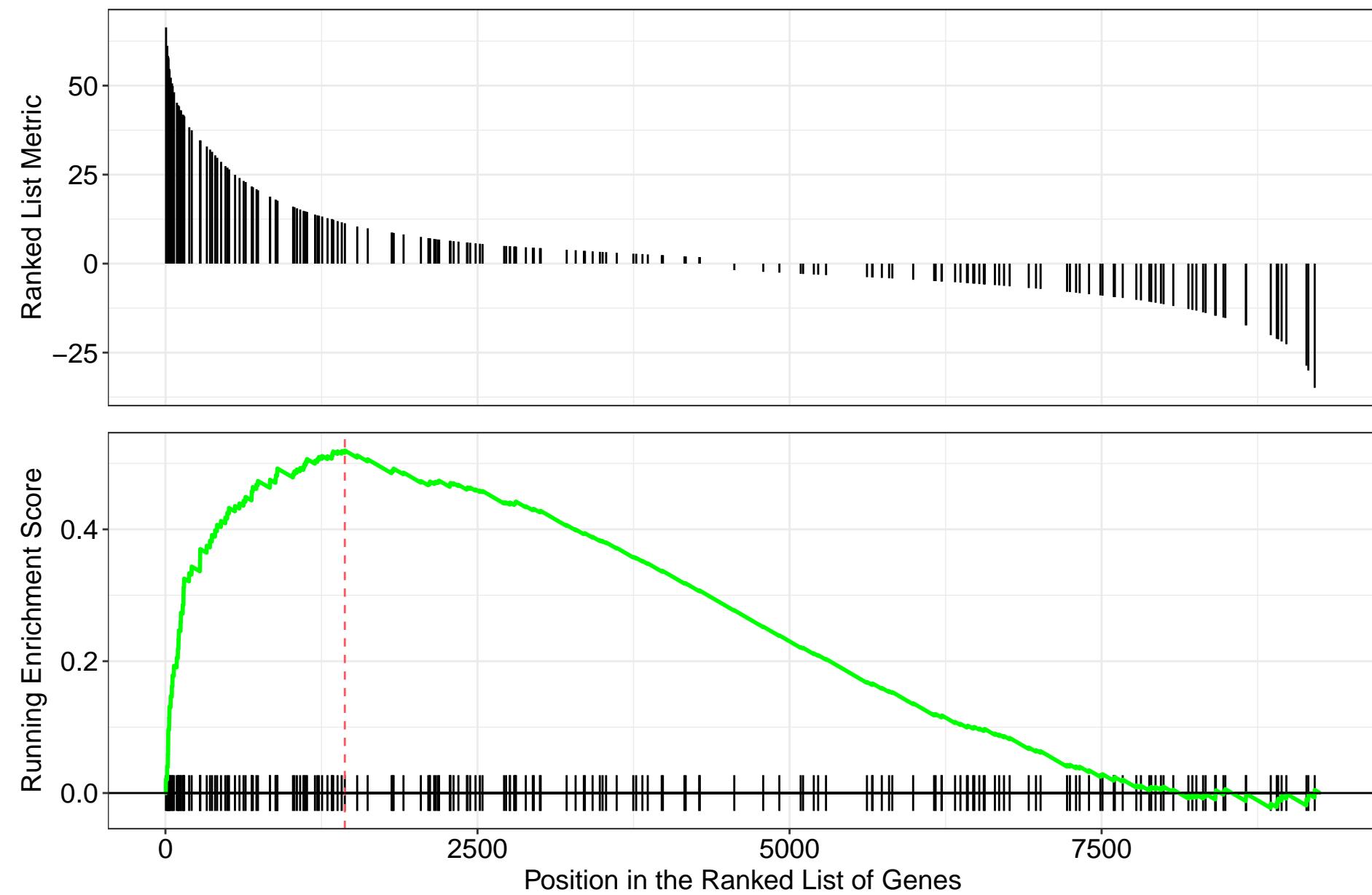
nuclear division



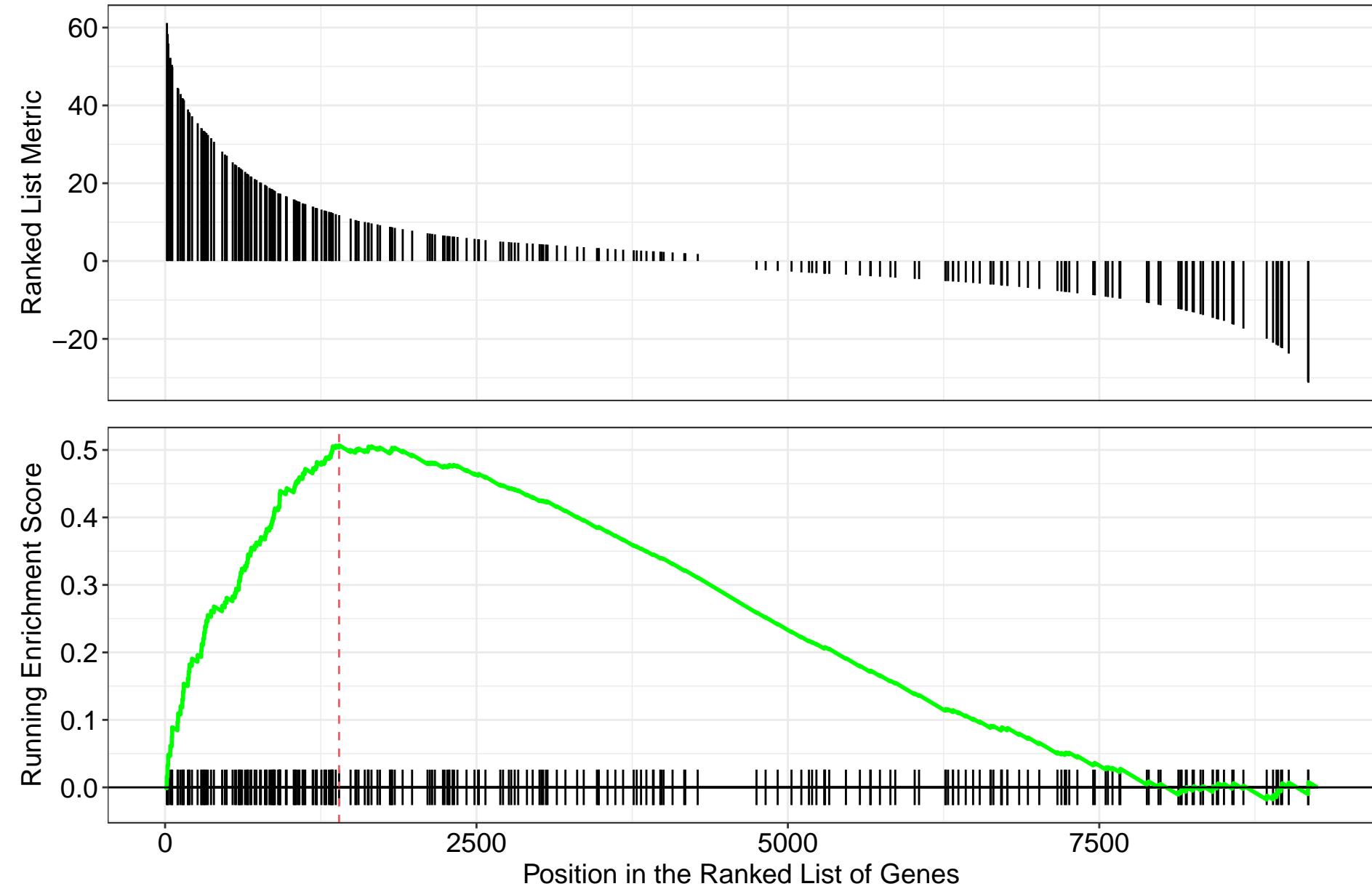
regulation of inflammatory response



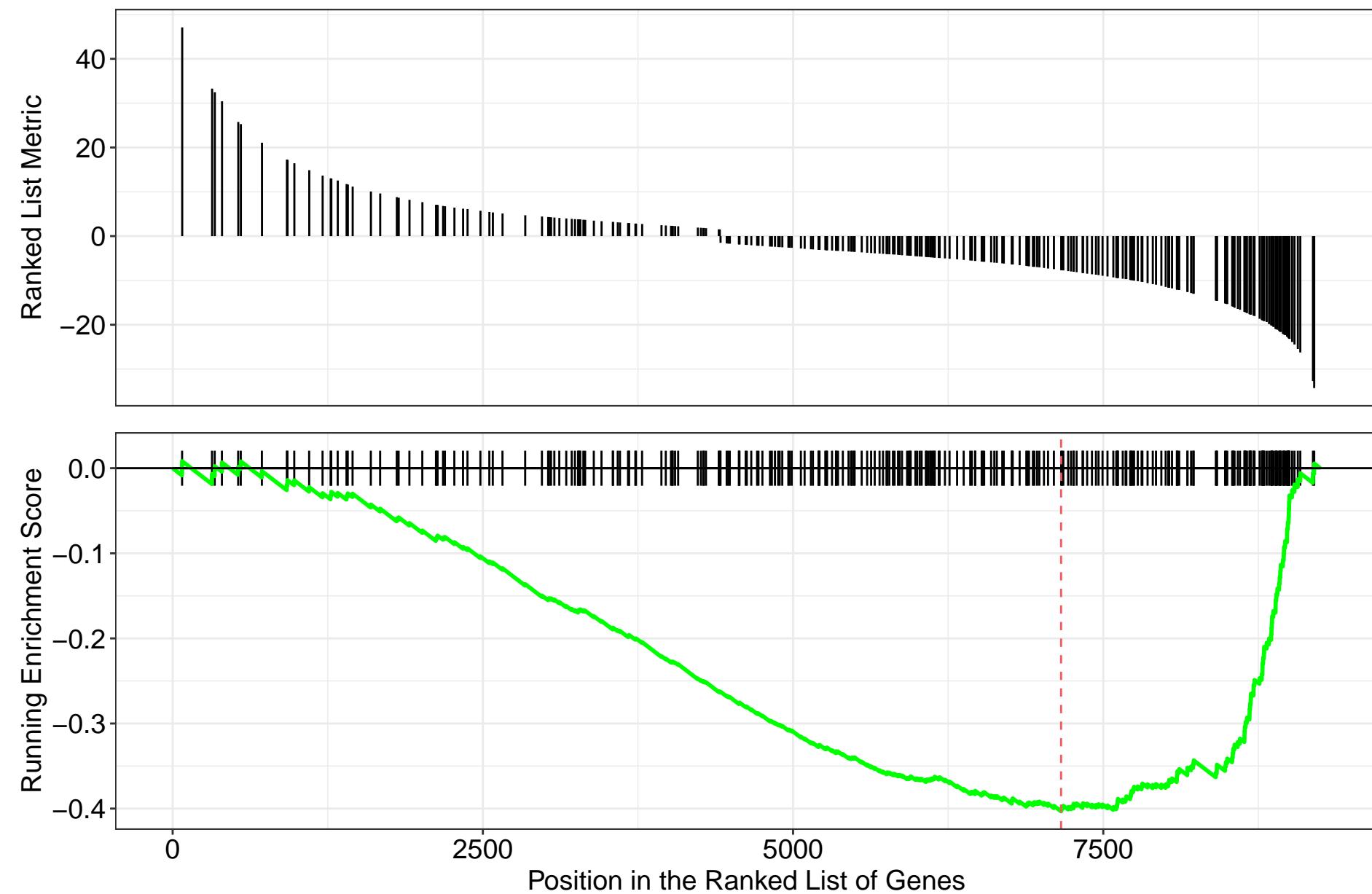
leukocyte proliferation



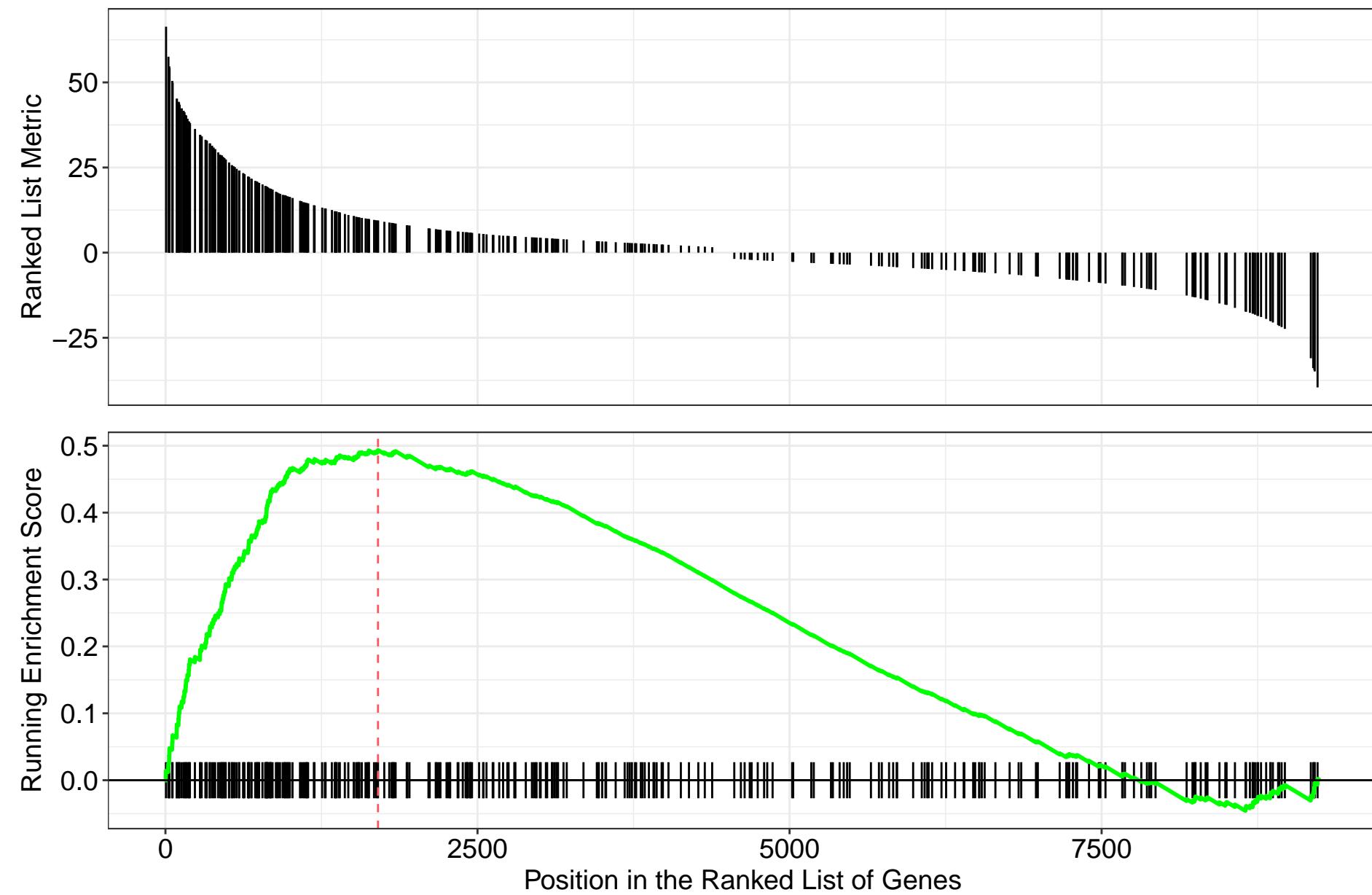
negative regulation of immune system process



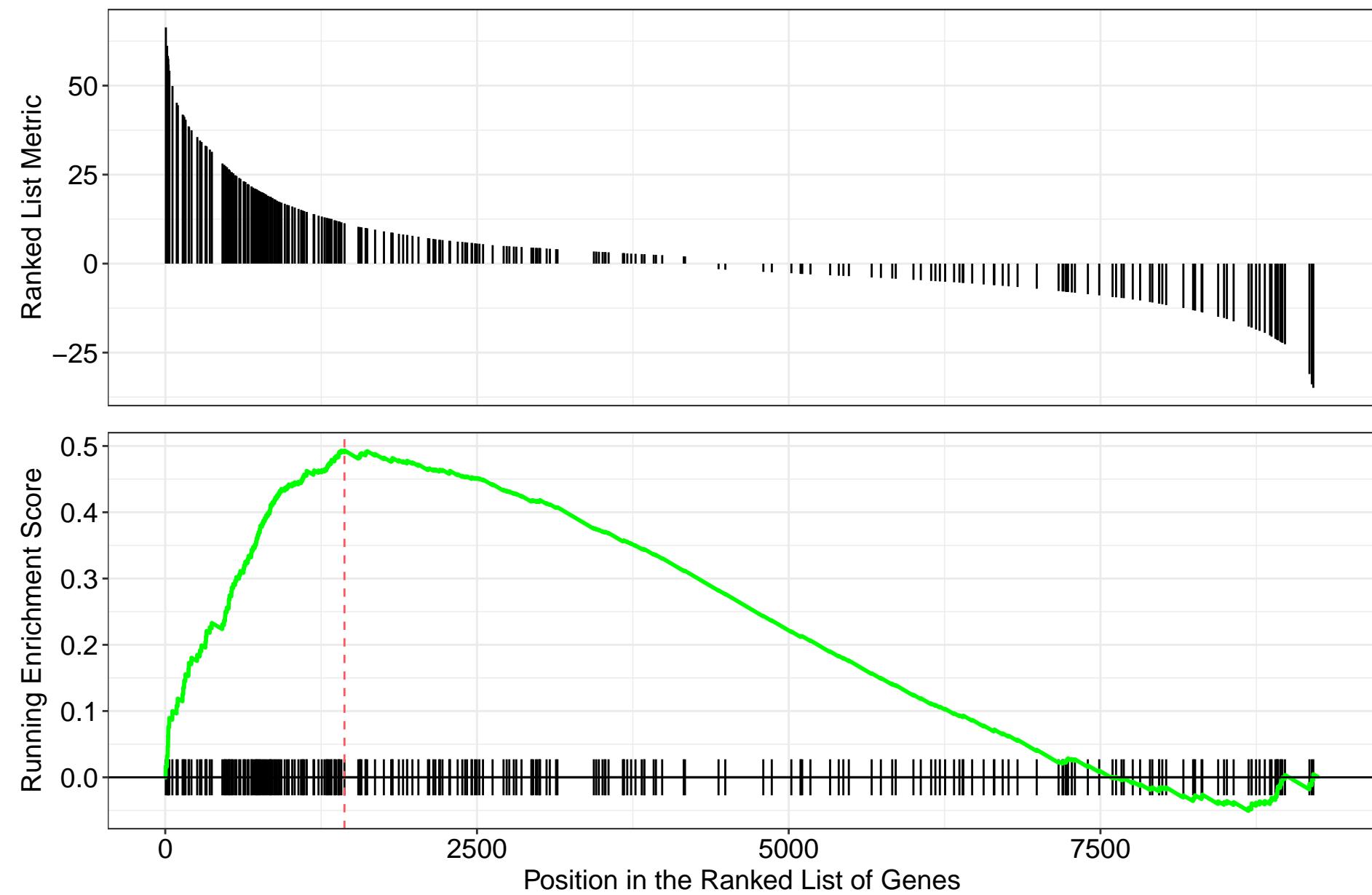
chromosome organization



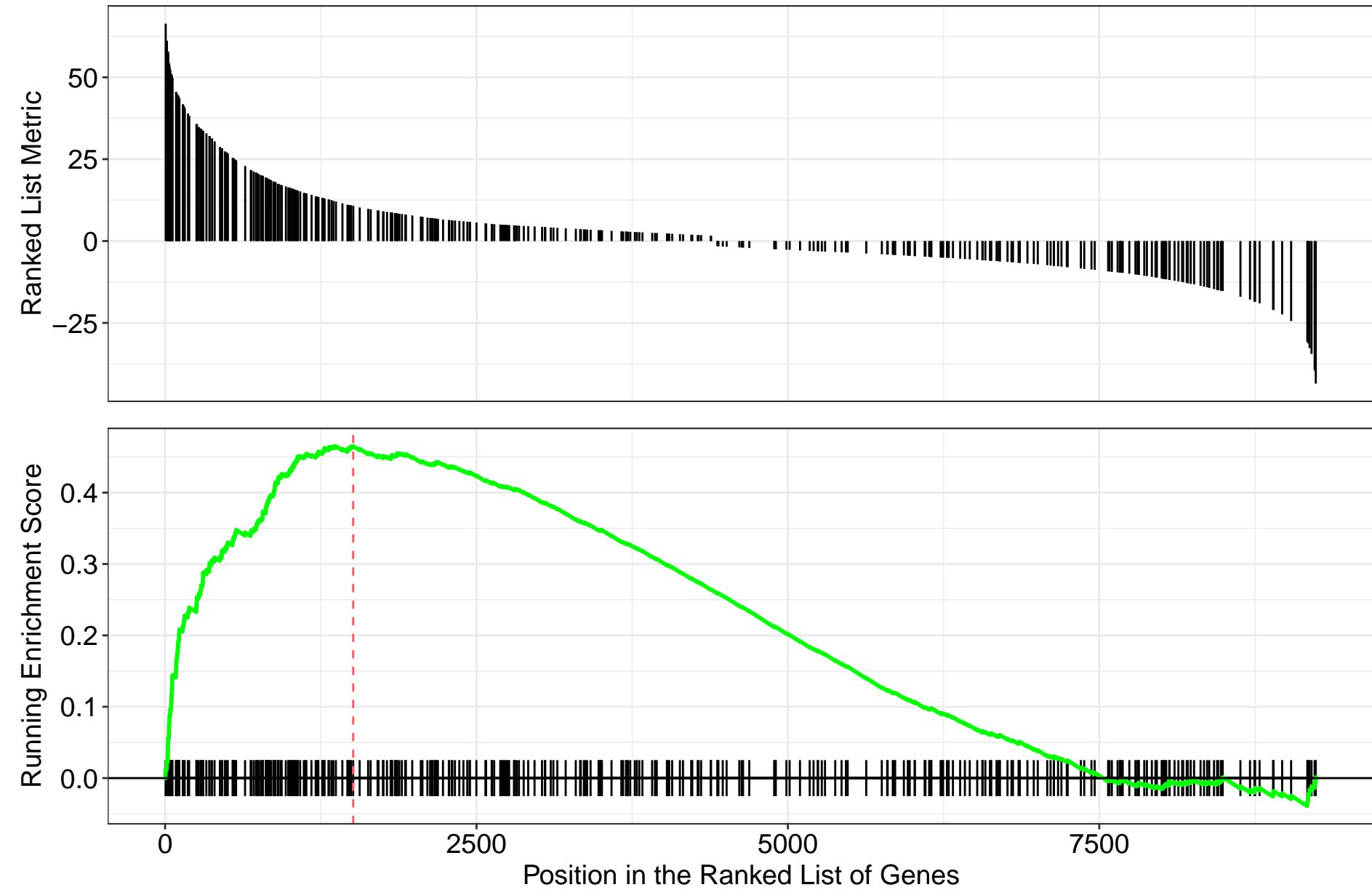
positive regulation of immune response



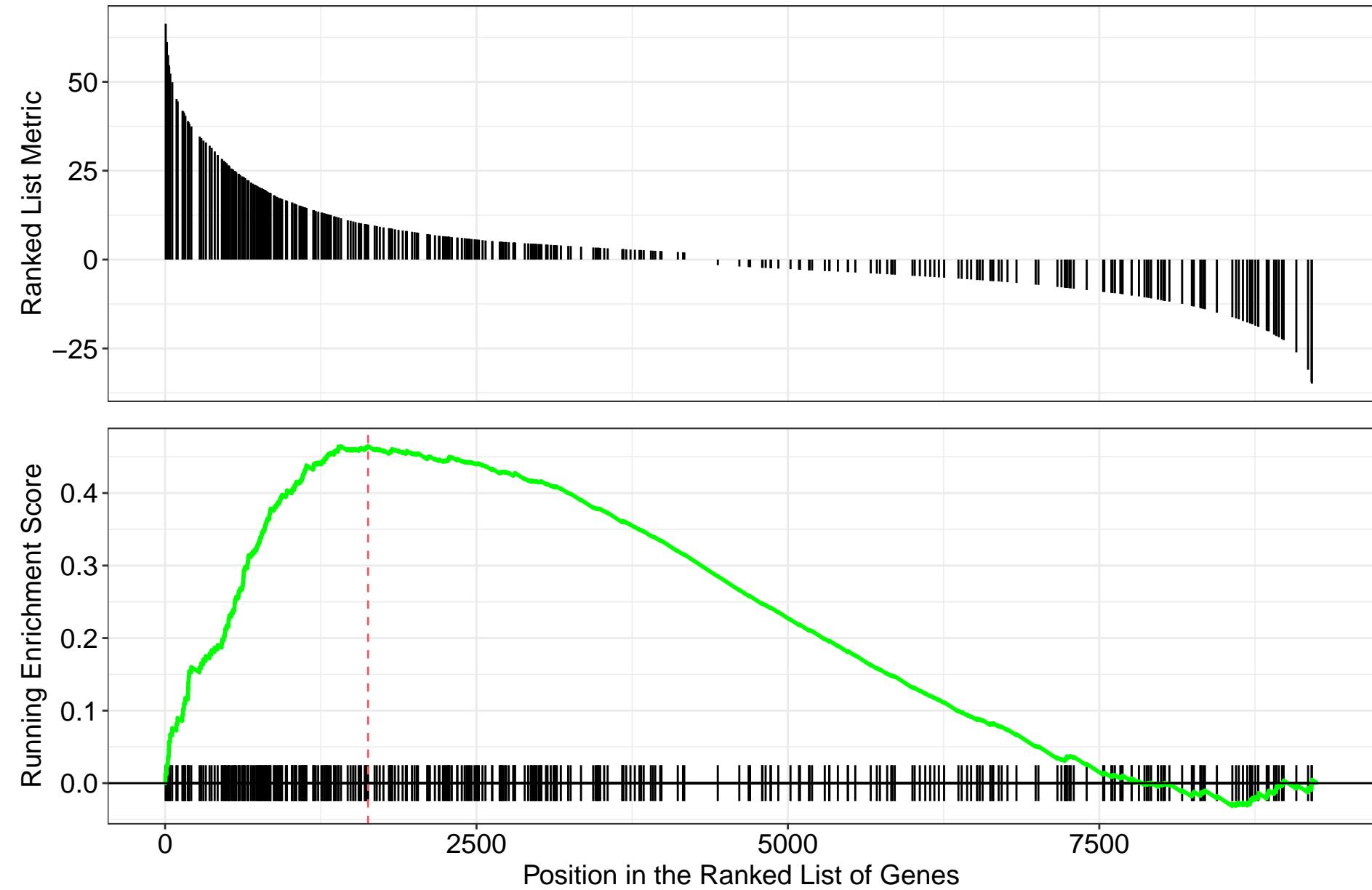
adaptive immune response



response to lipid

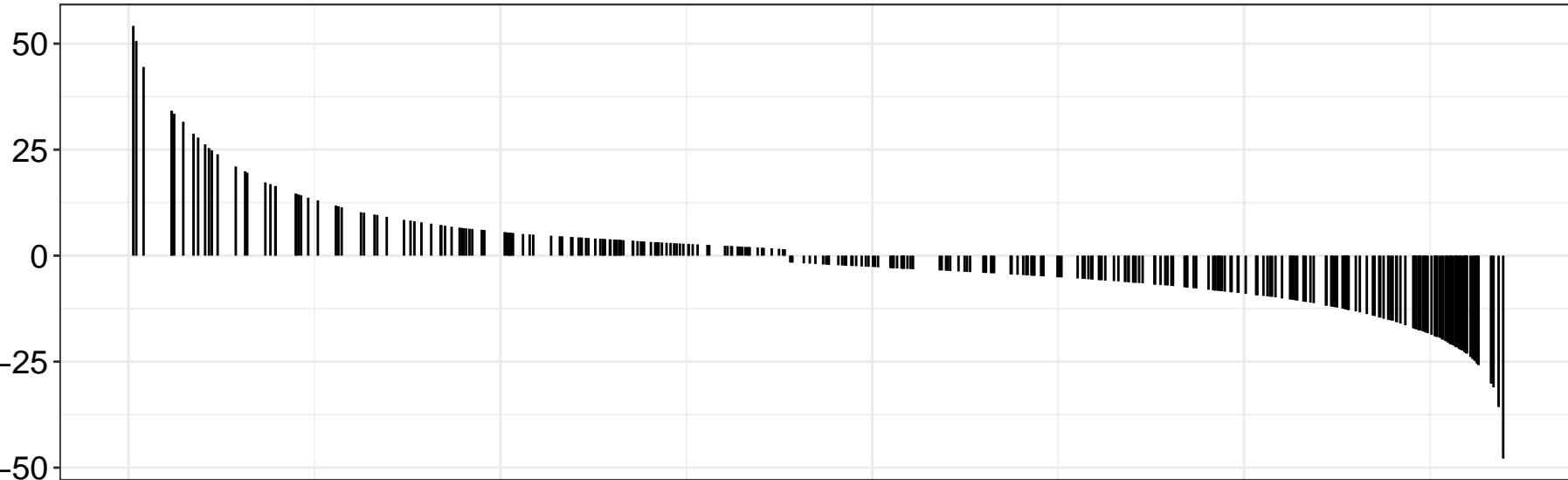


immune effector process



cell division

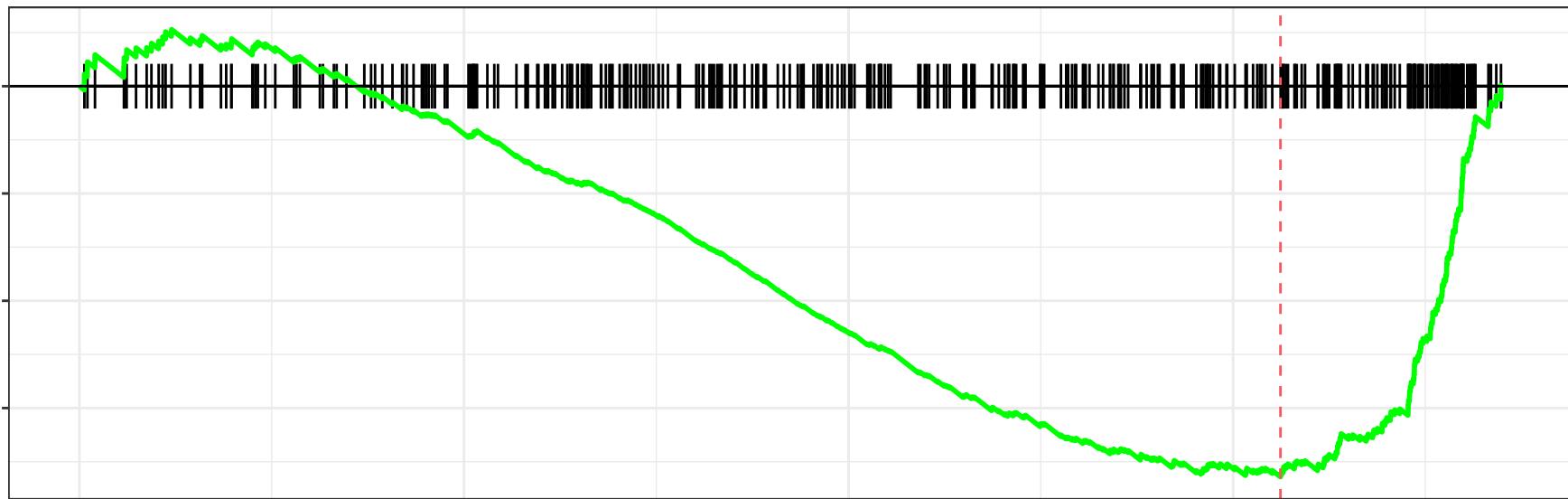
Ranked List Metric



Running Enrichment Score

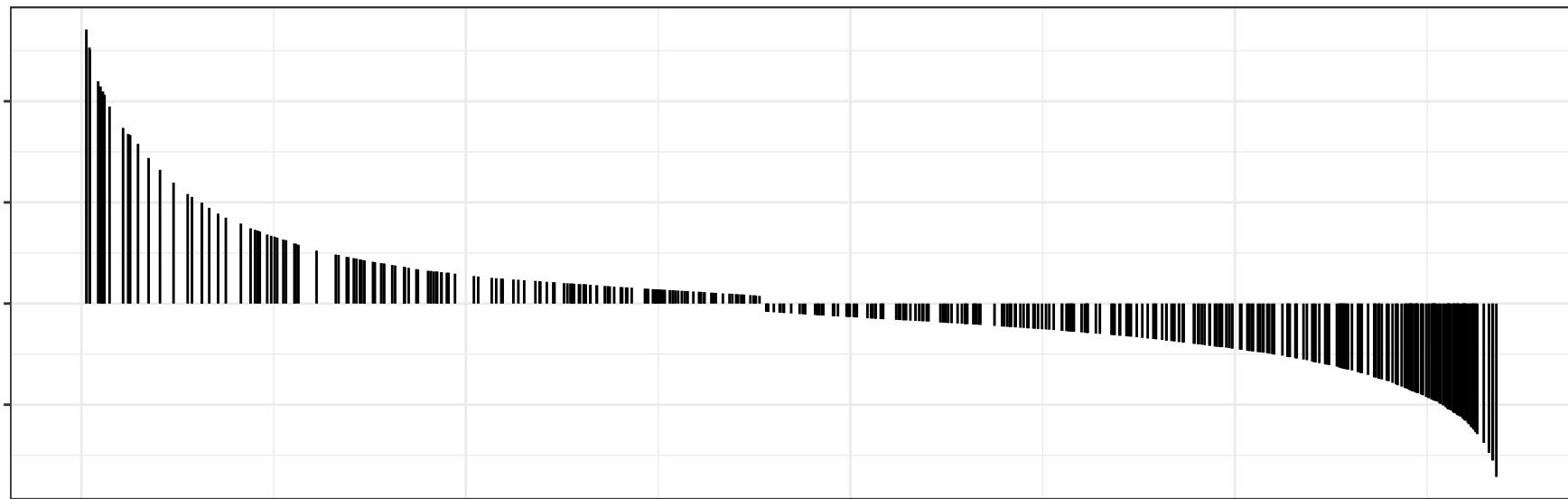
0 2500 5000 7500

Position in the Ranked List of Genes



mitotic cell cycle process

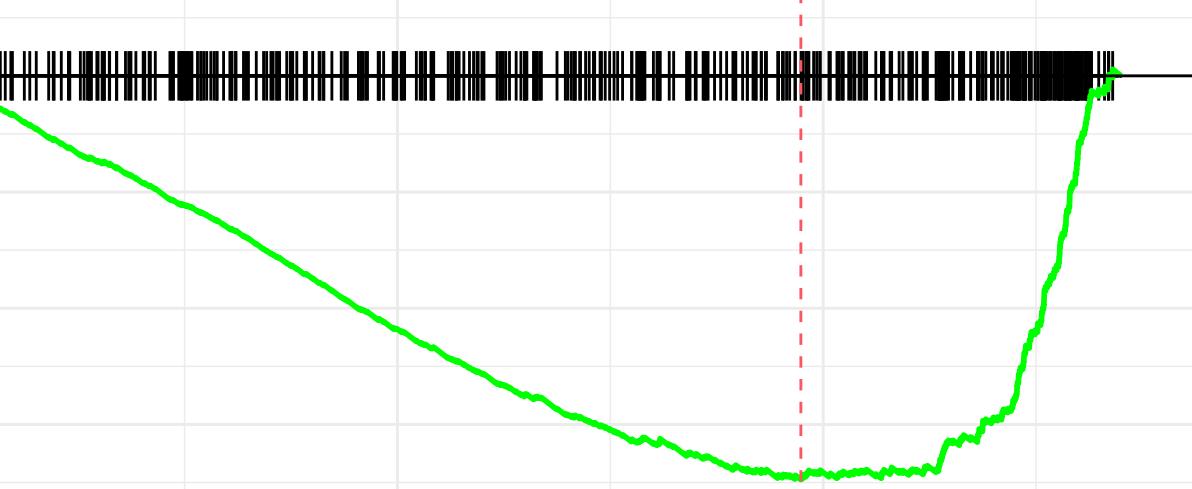
Ranked List Metric



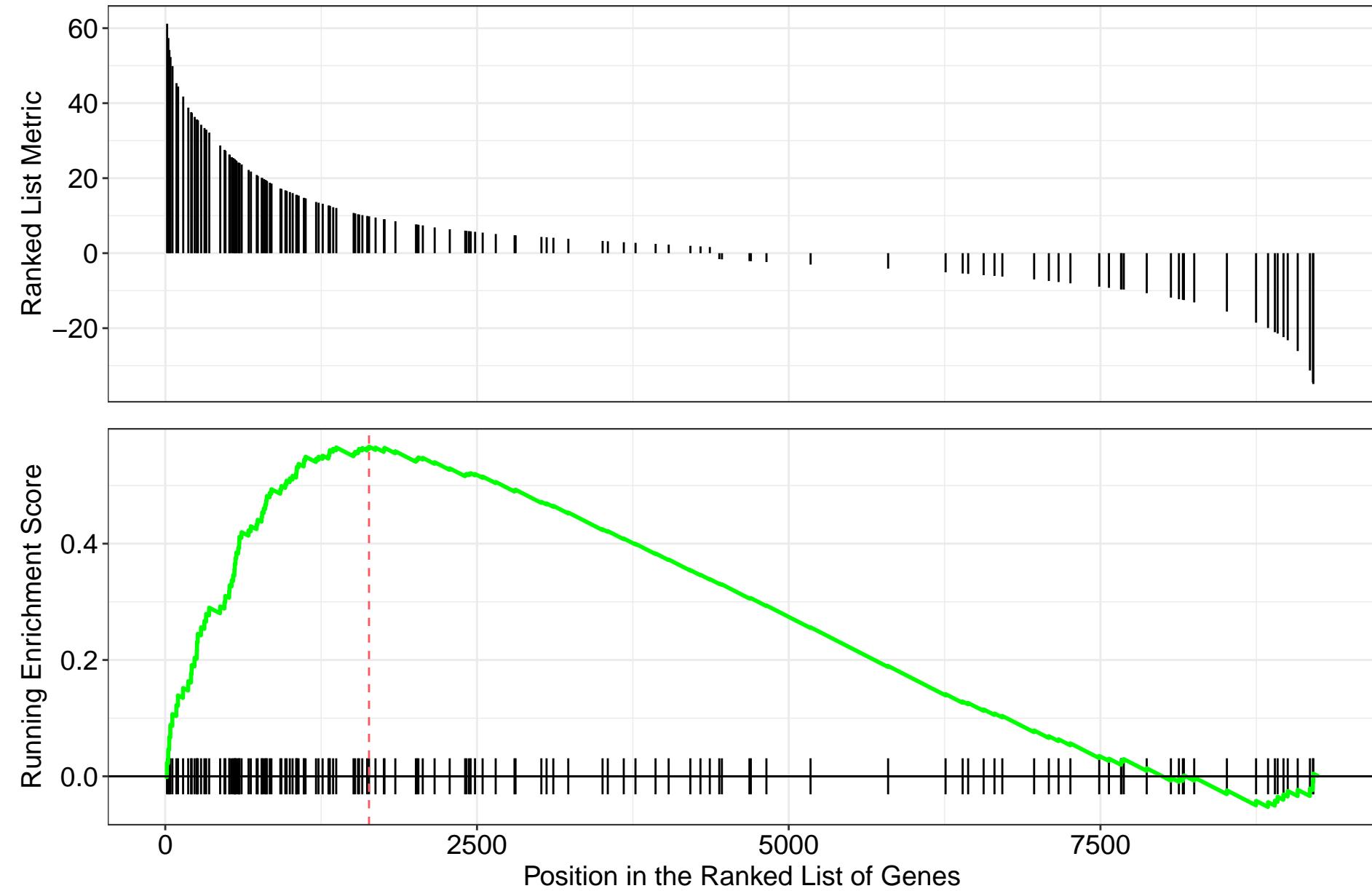
Running Enrichment Score

0 2500 5000 7500

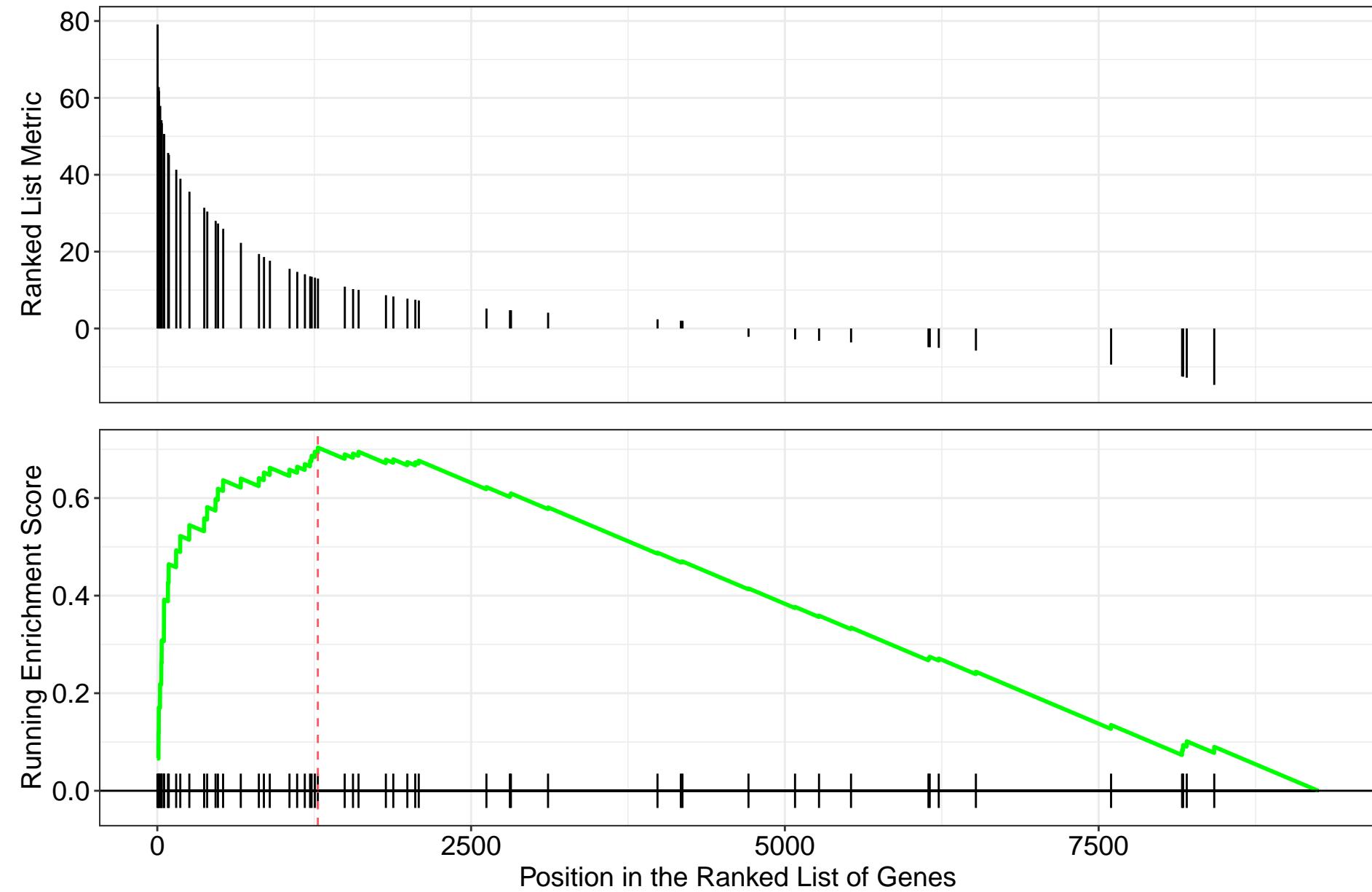
Position in the Ranked List of Genes



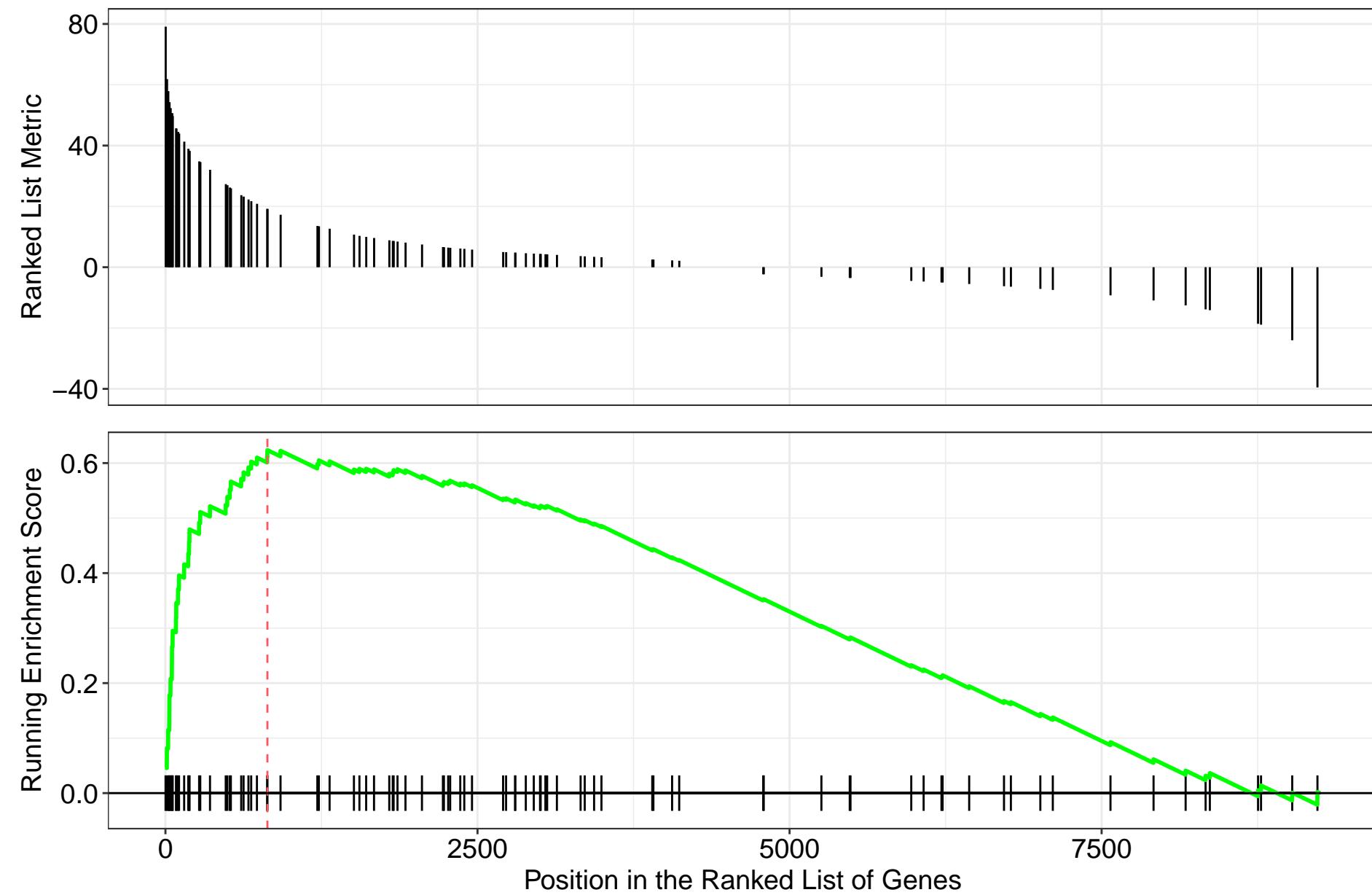
defense response to bacterium



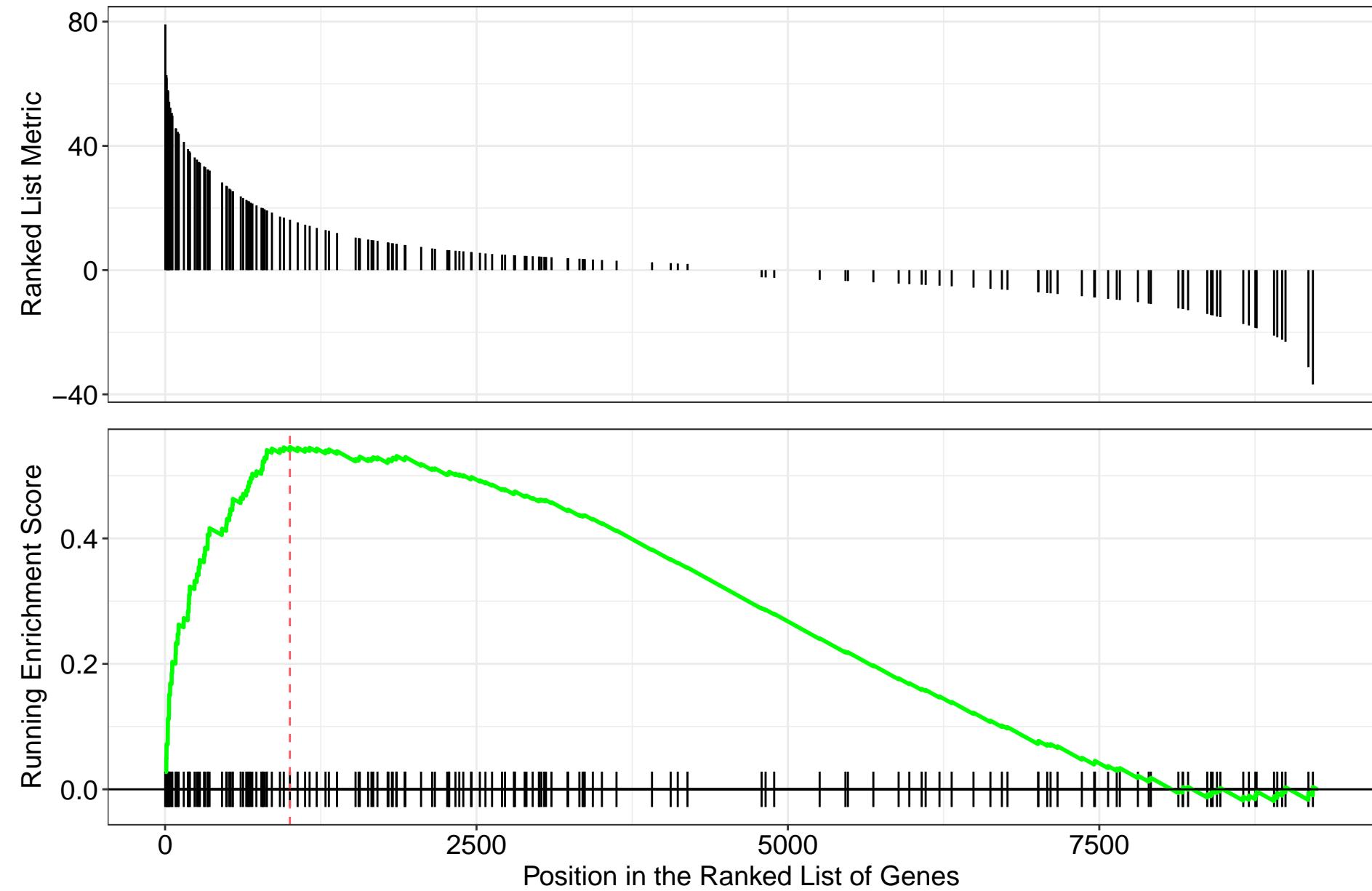
response to interleukin-1



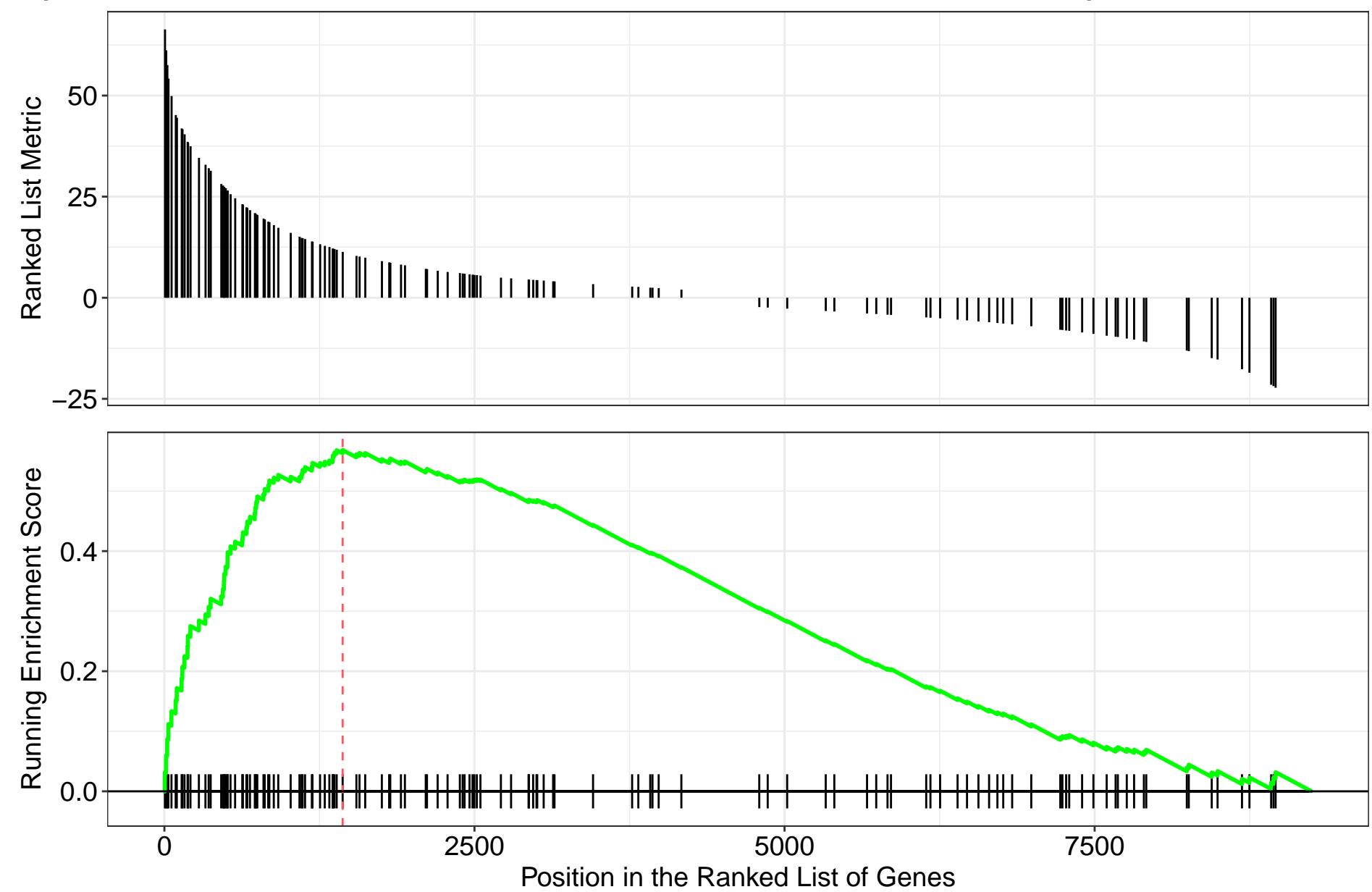
granulocyte migration



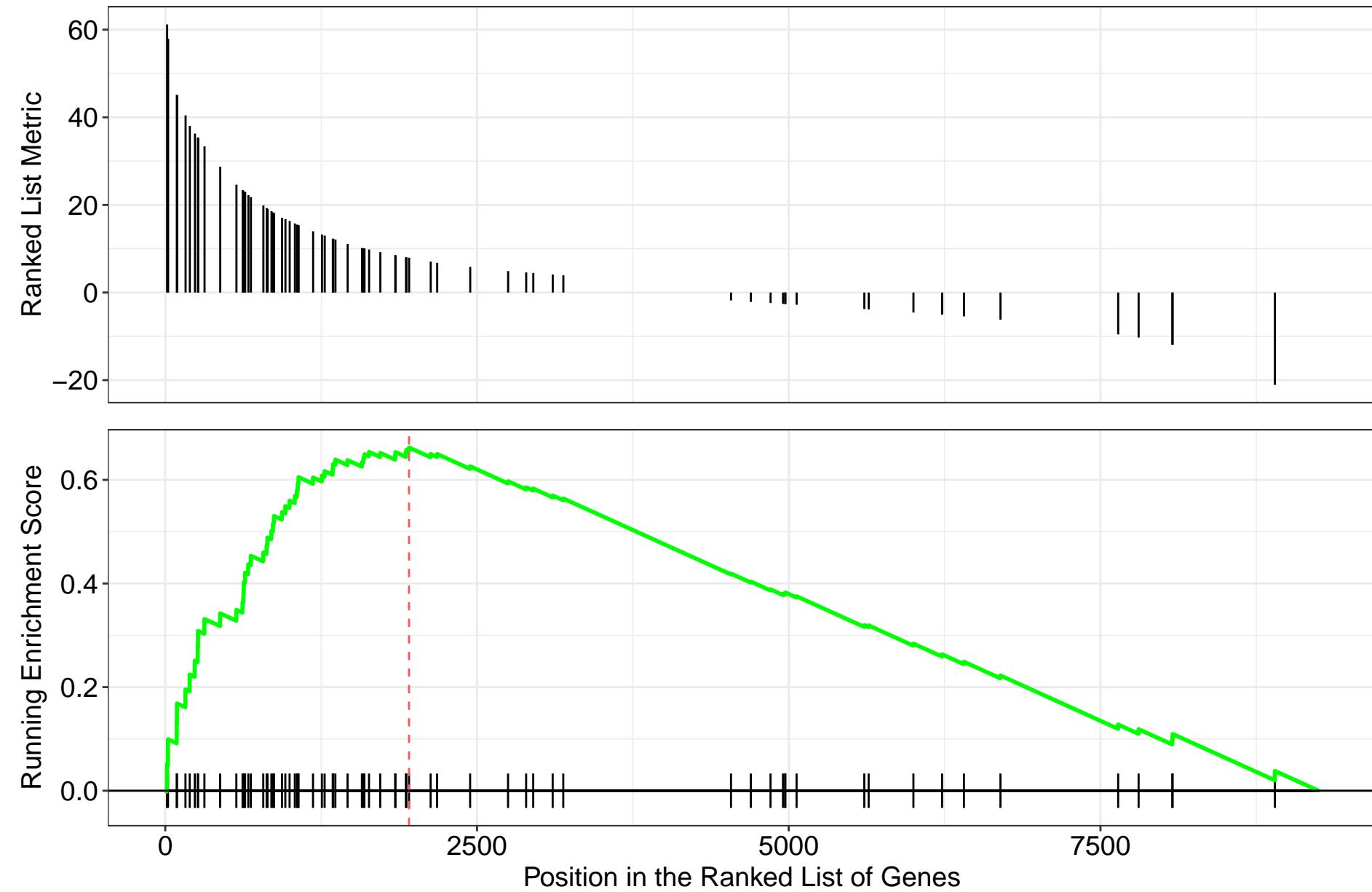
cell chemotaxis



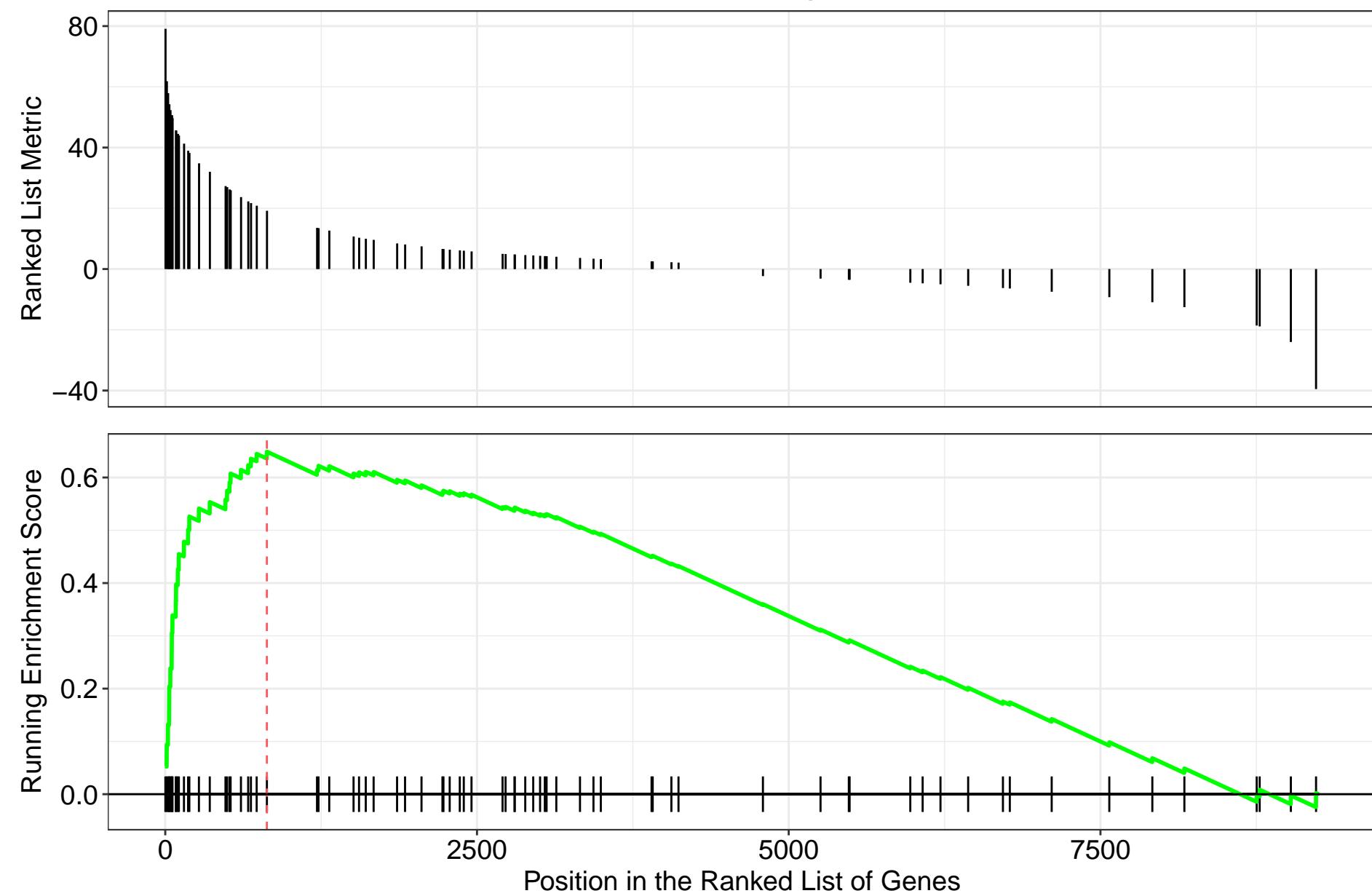
response based on somatic recombination of immune receptors built from i



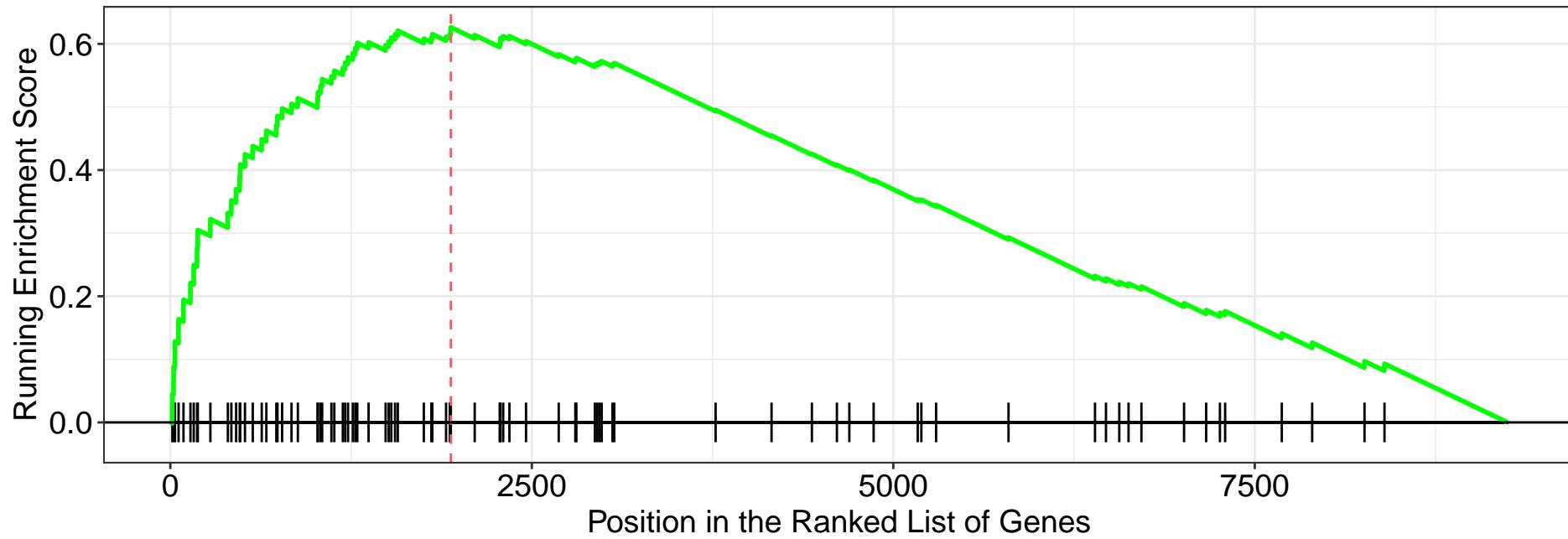
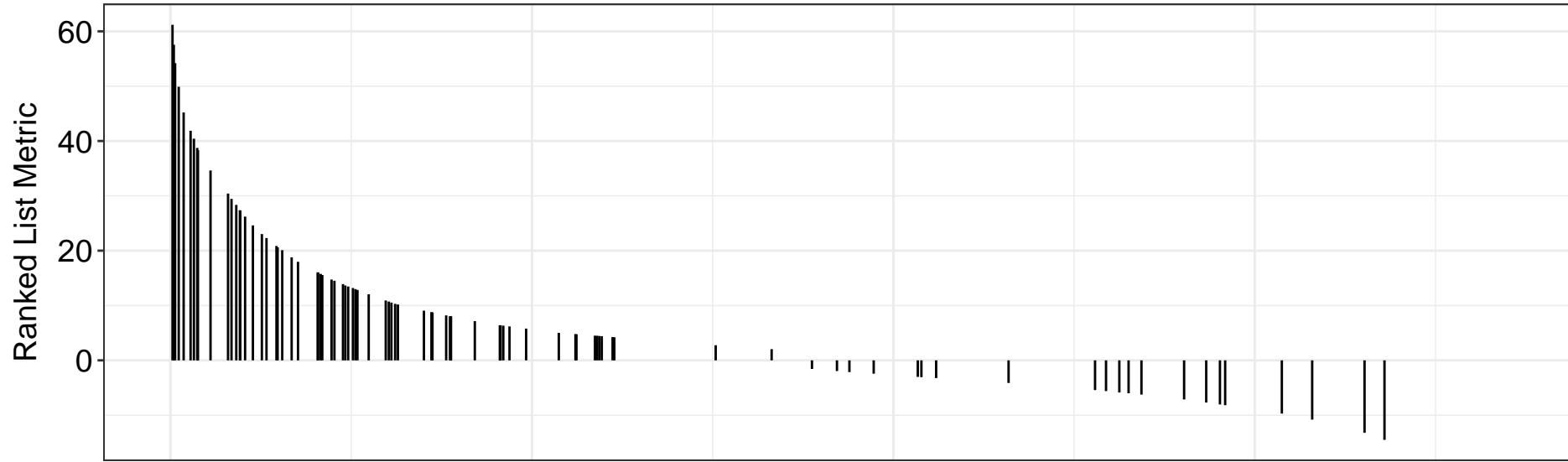
negative regulation of viral process



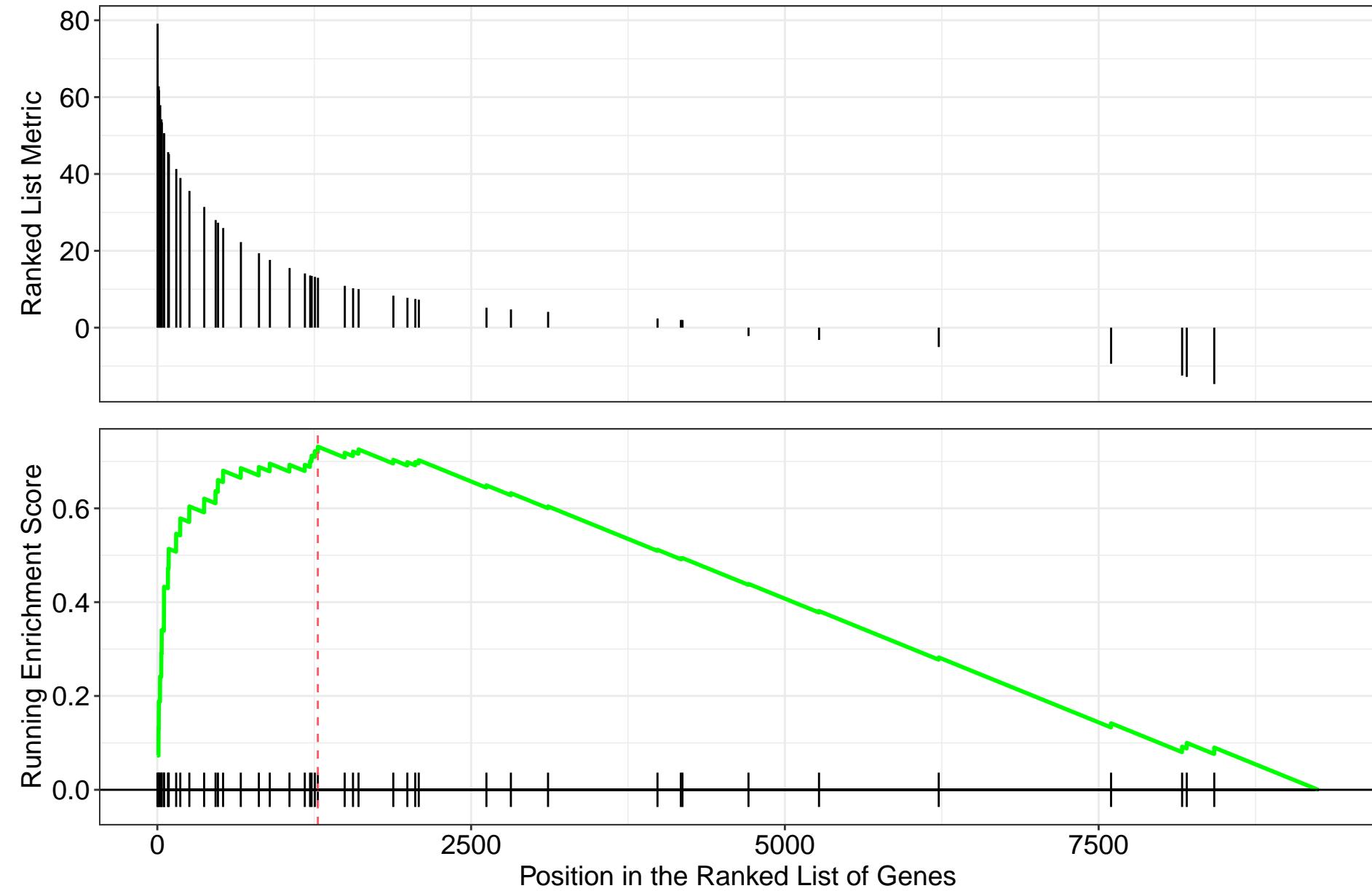
neutrophil migration



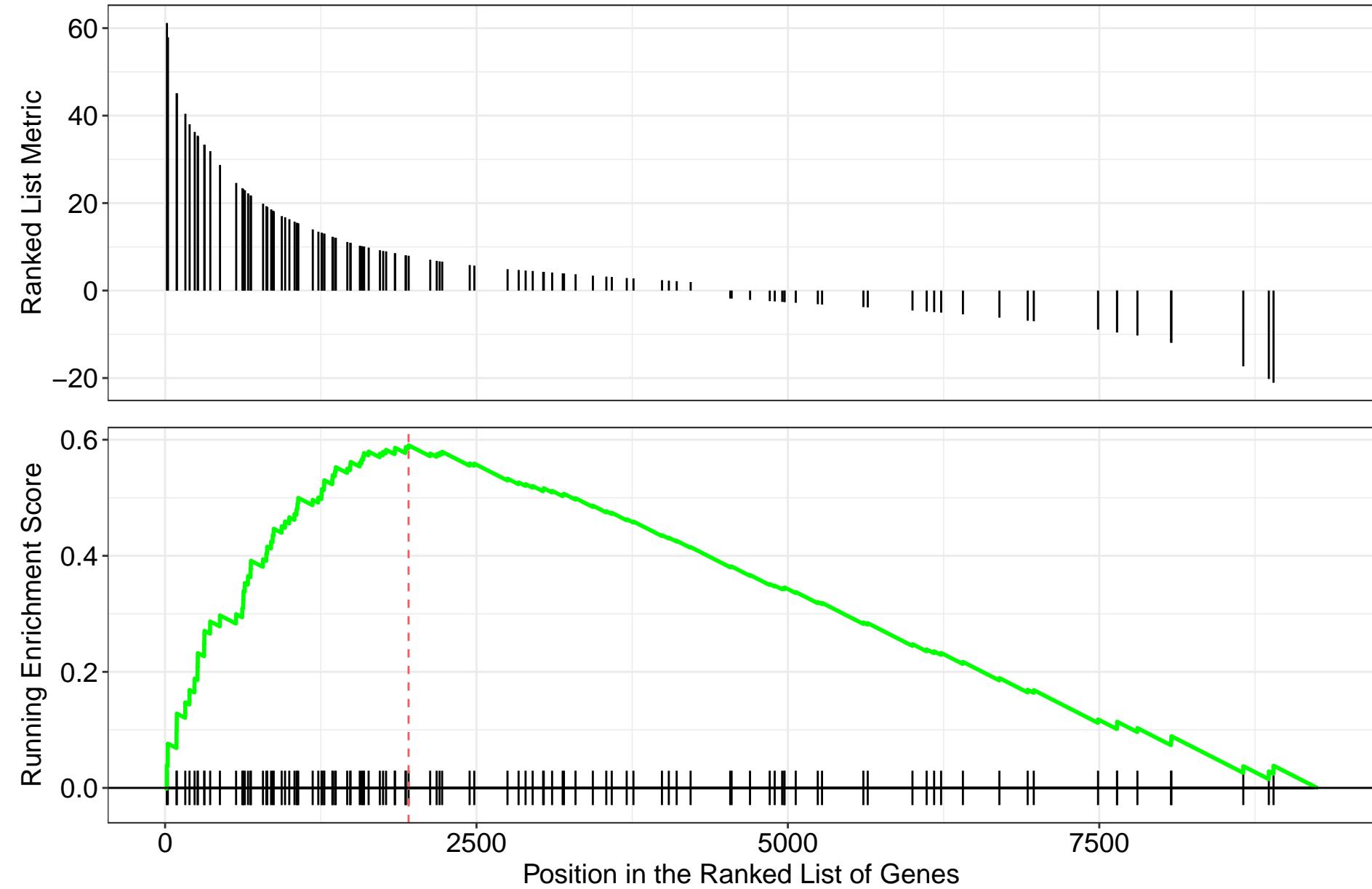
cytokine production involved in immune response



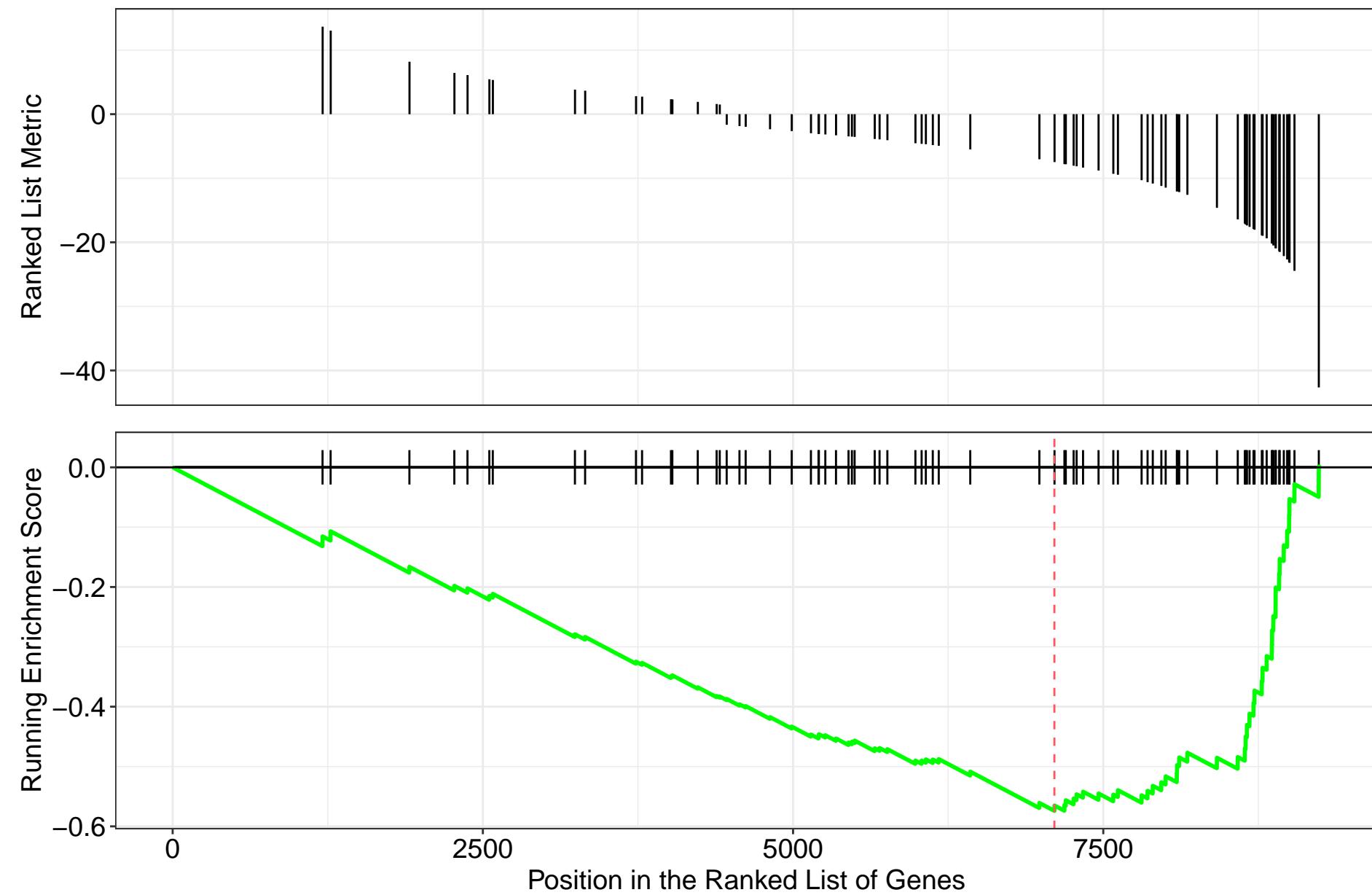
cellular response to interleukin-1



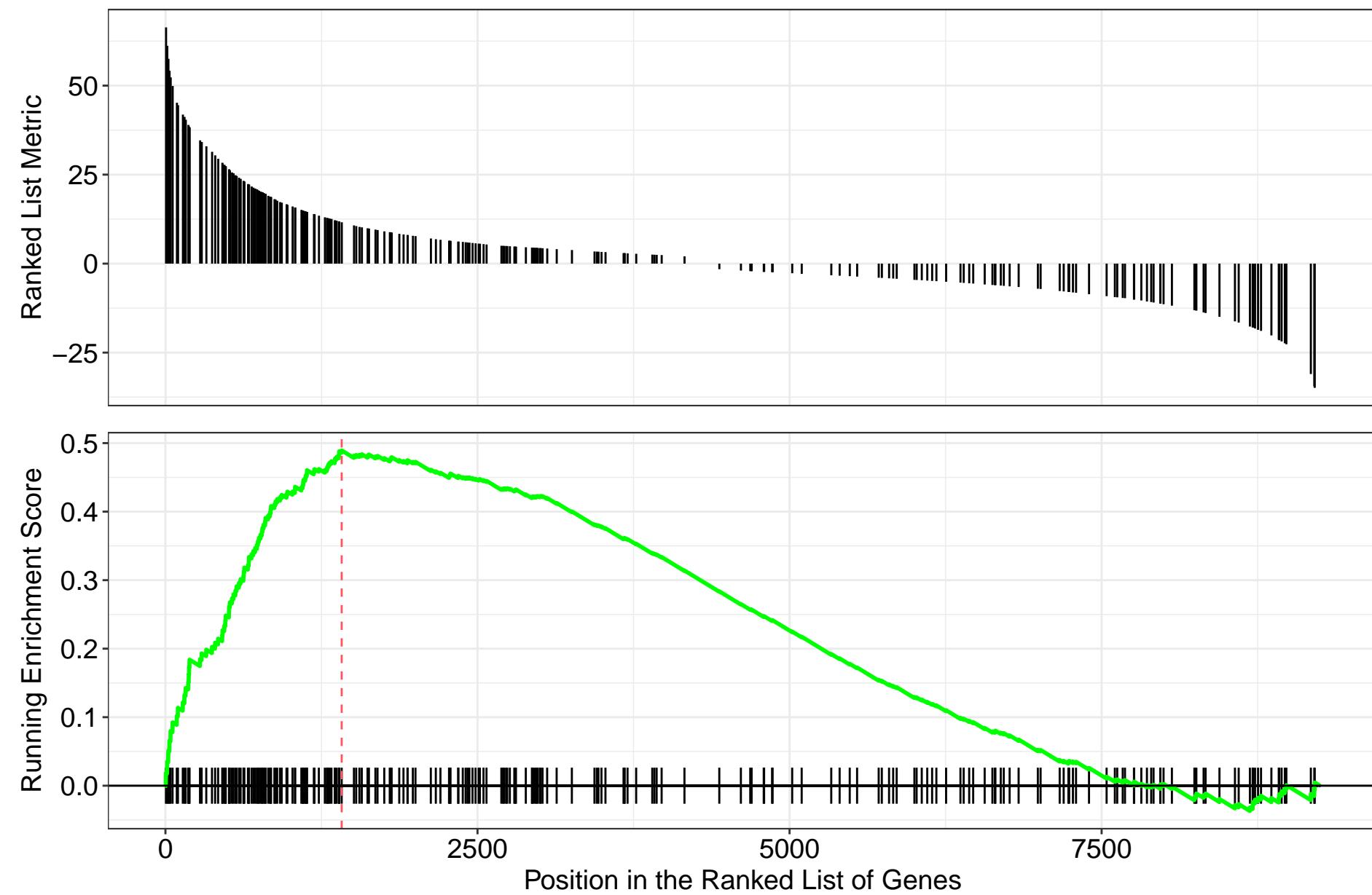
regulation of viral process



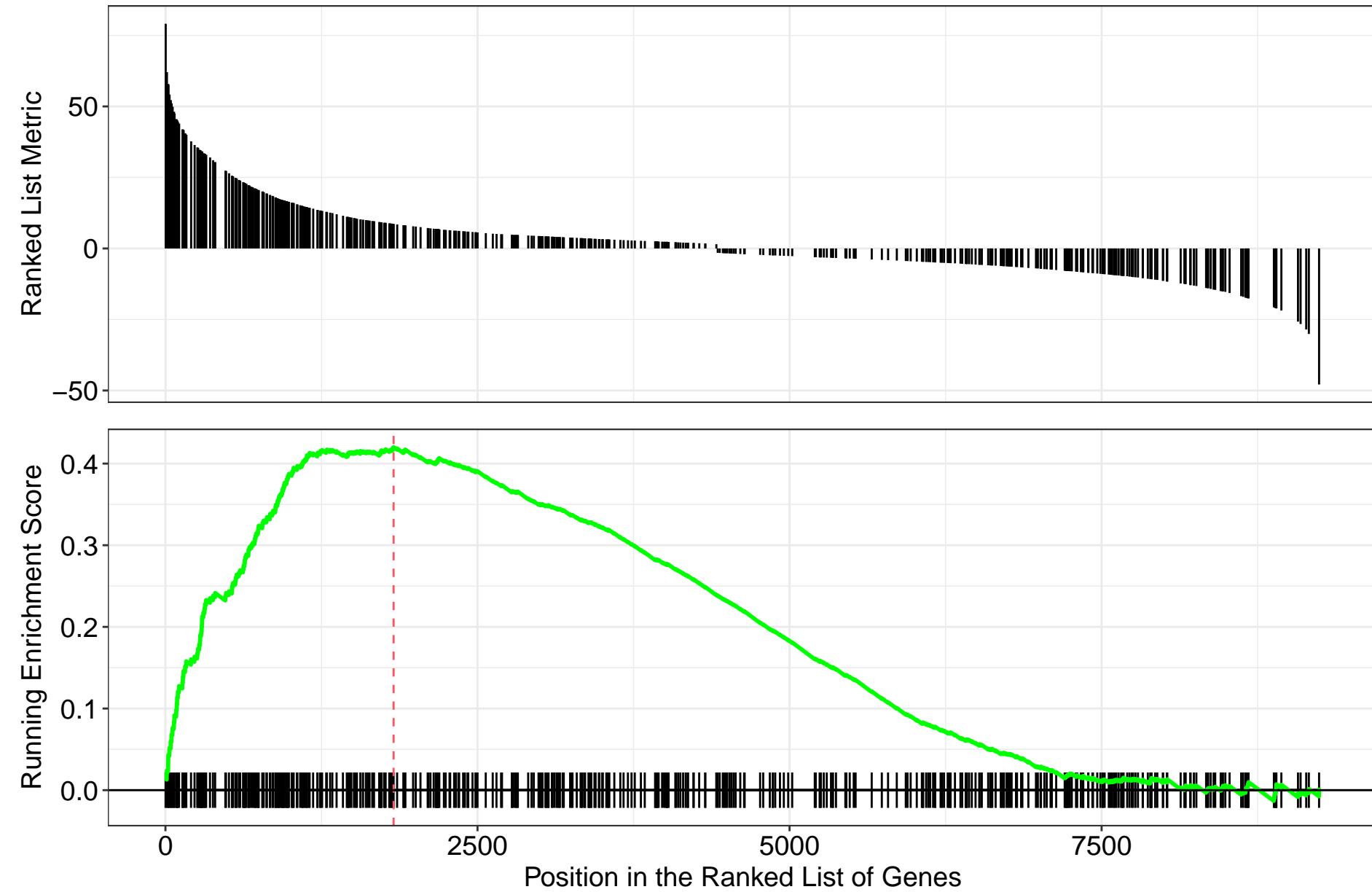
chromosome separation



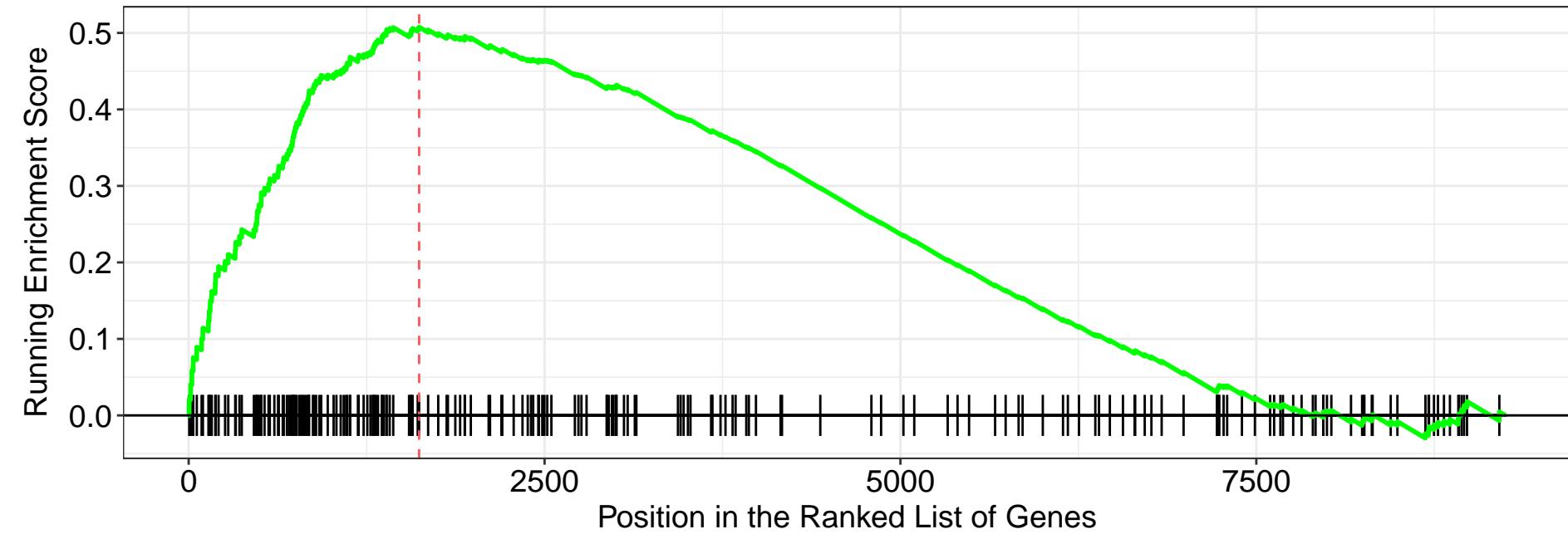
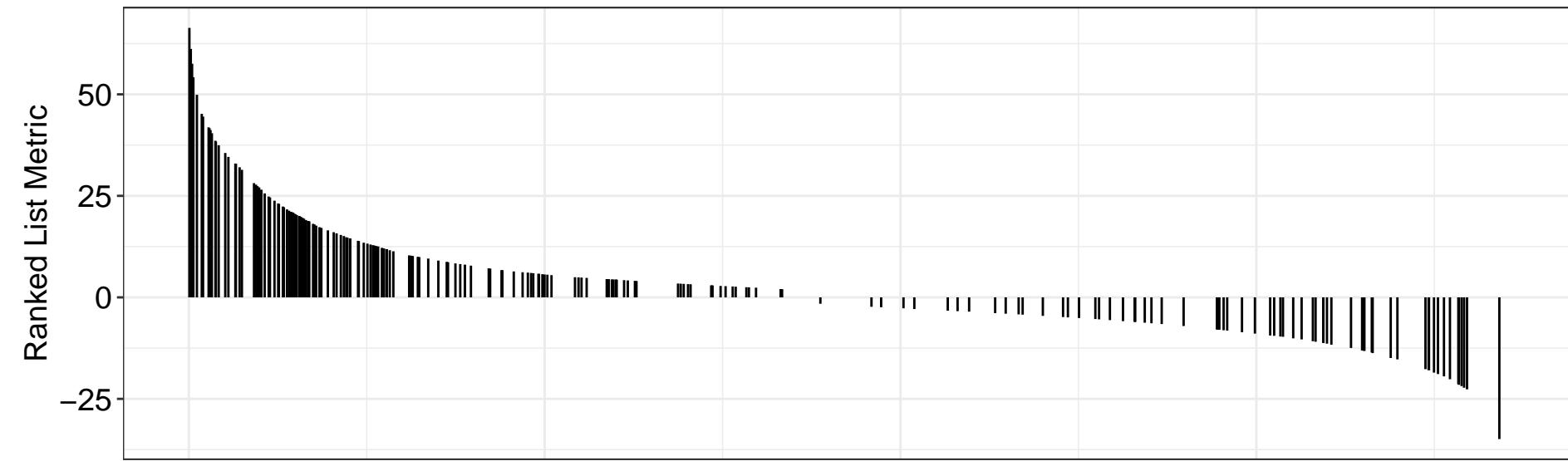
leukocyte mediated immunity



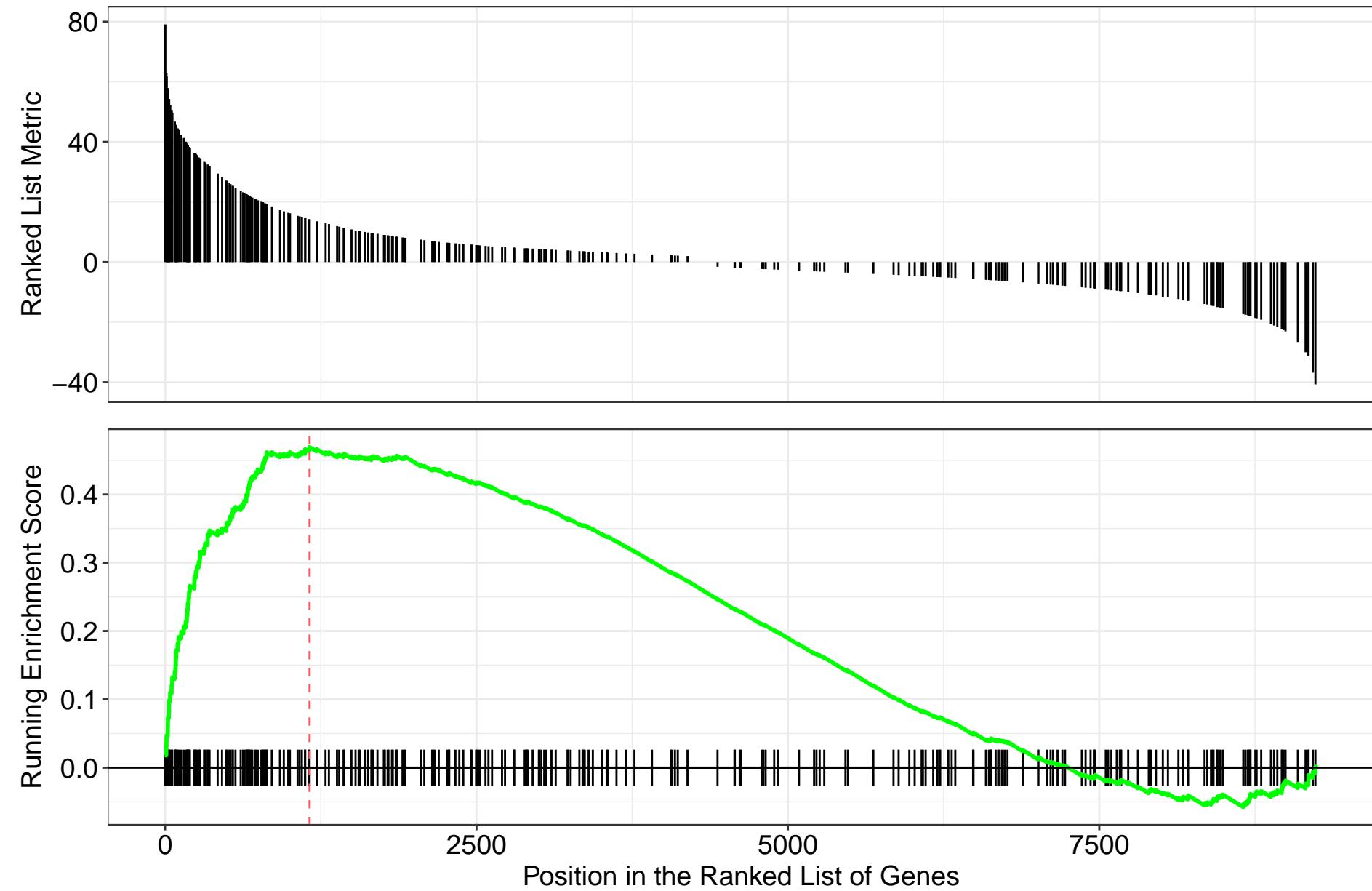
positive regulation of cell differentiation



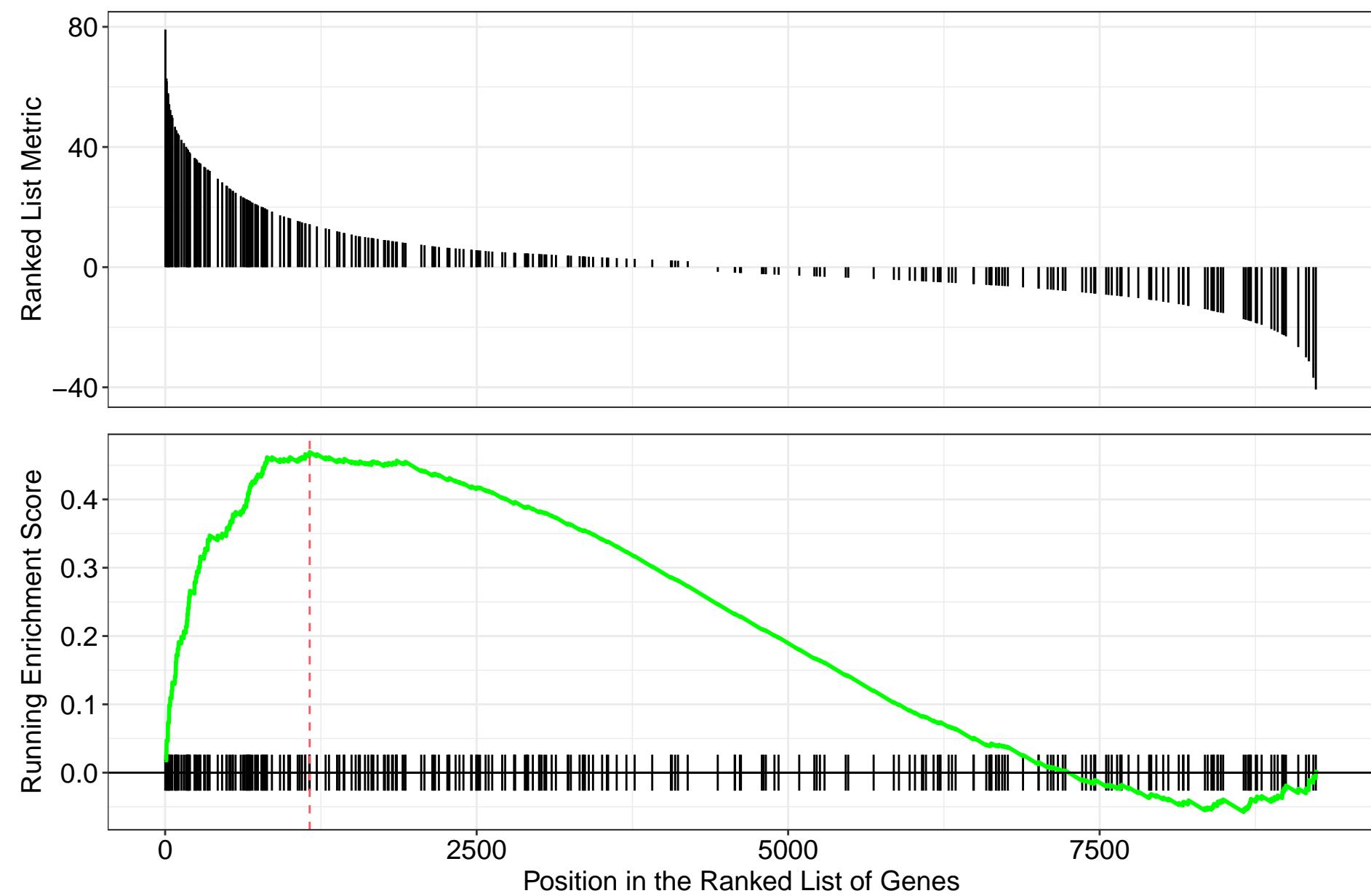
use based on somatic recombination of immune receptors built from immuno



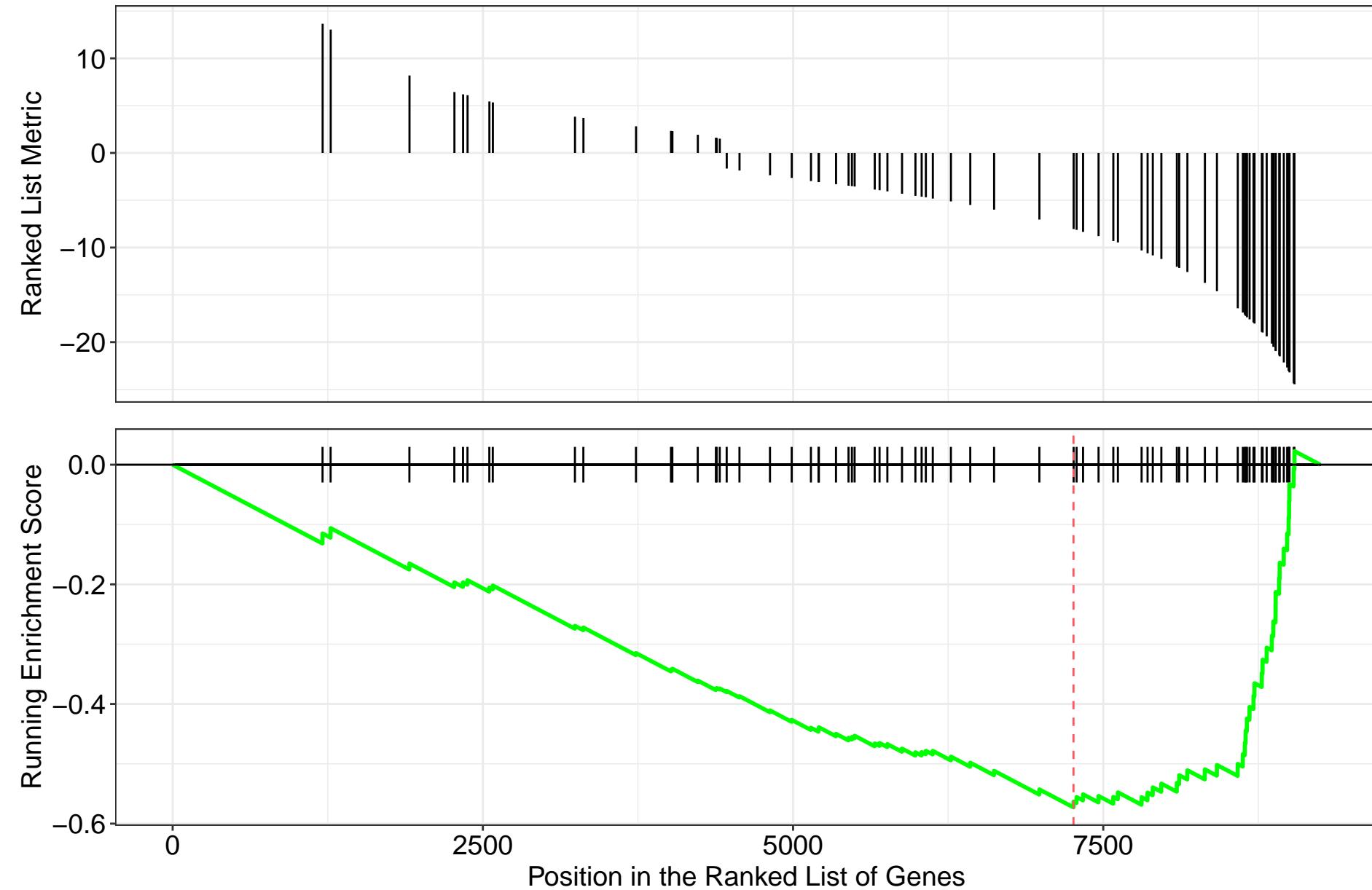
chemotaxis



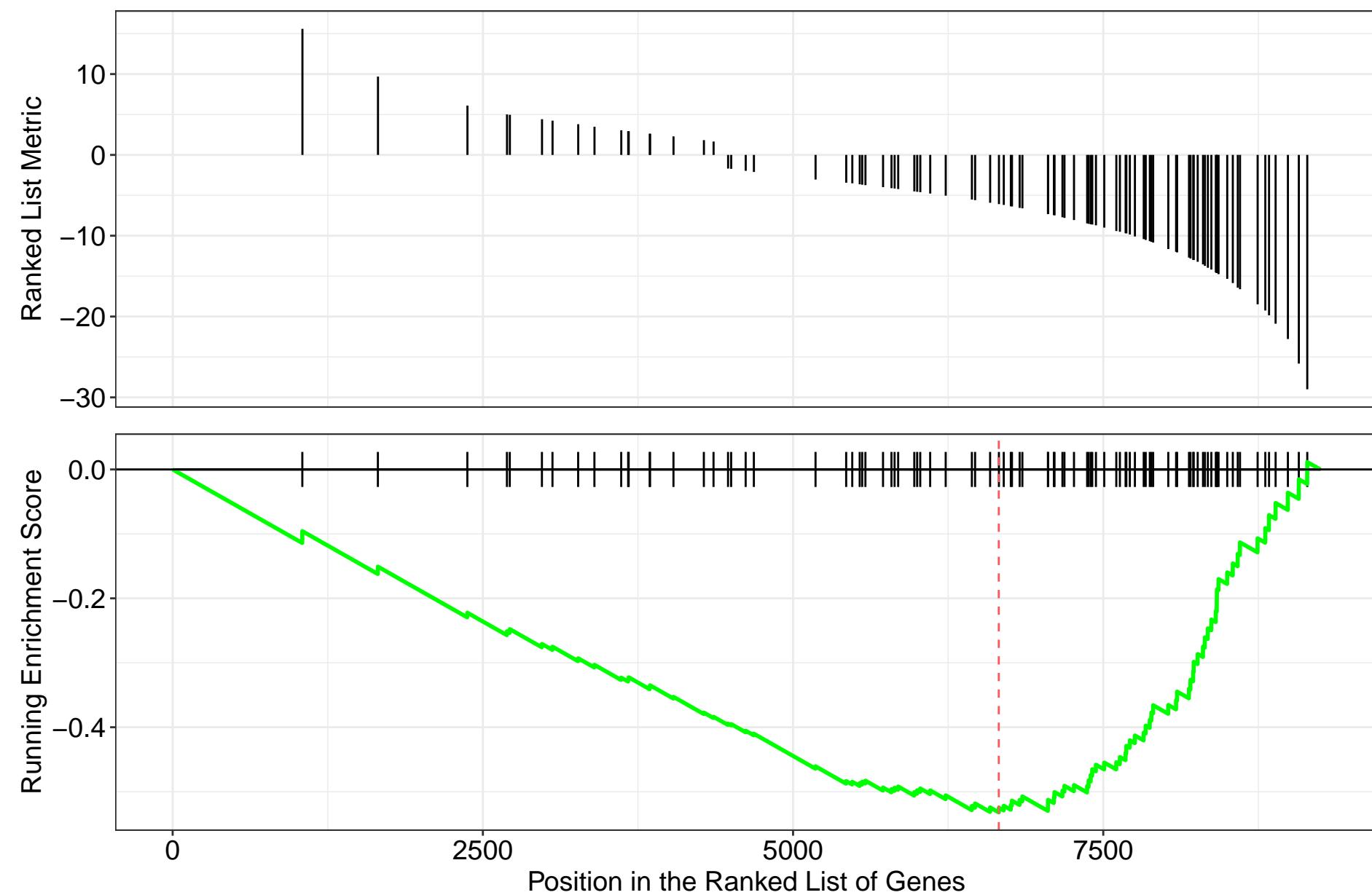
taxis



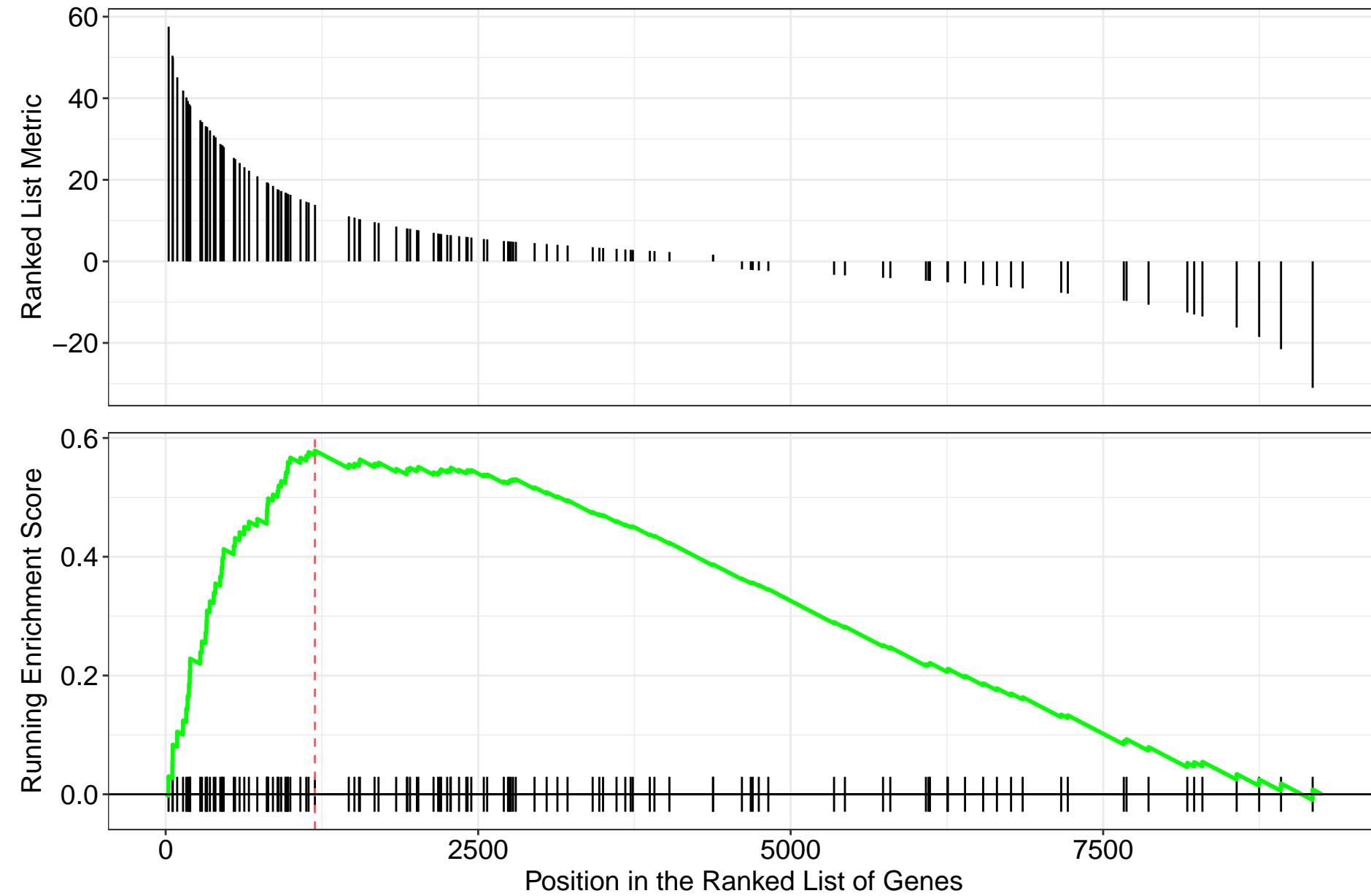
regulation of chromosome segregation



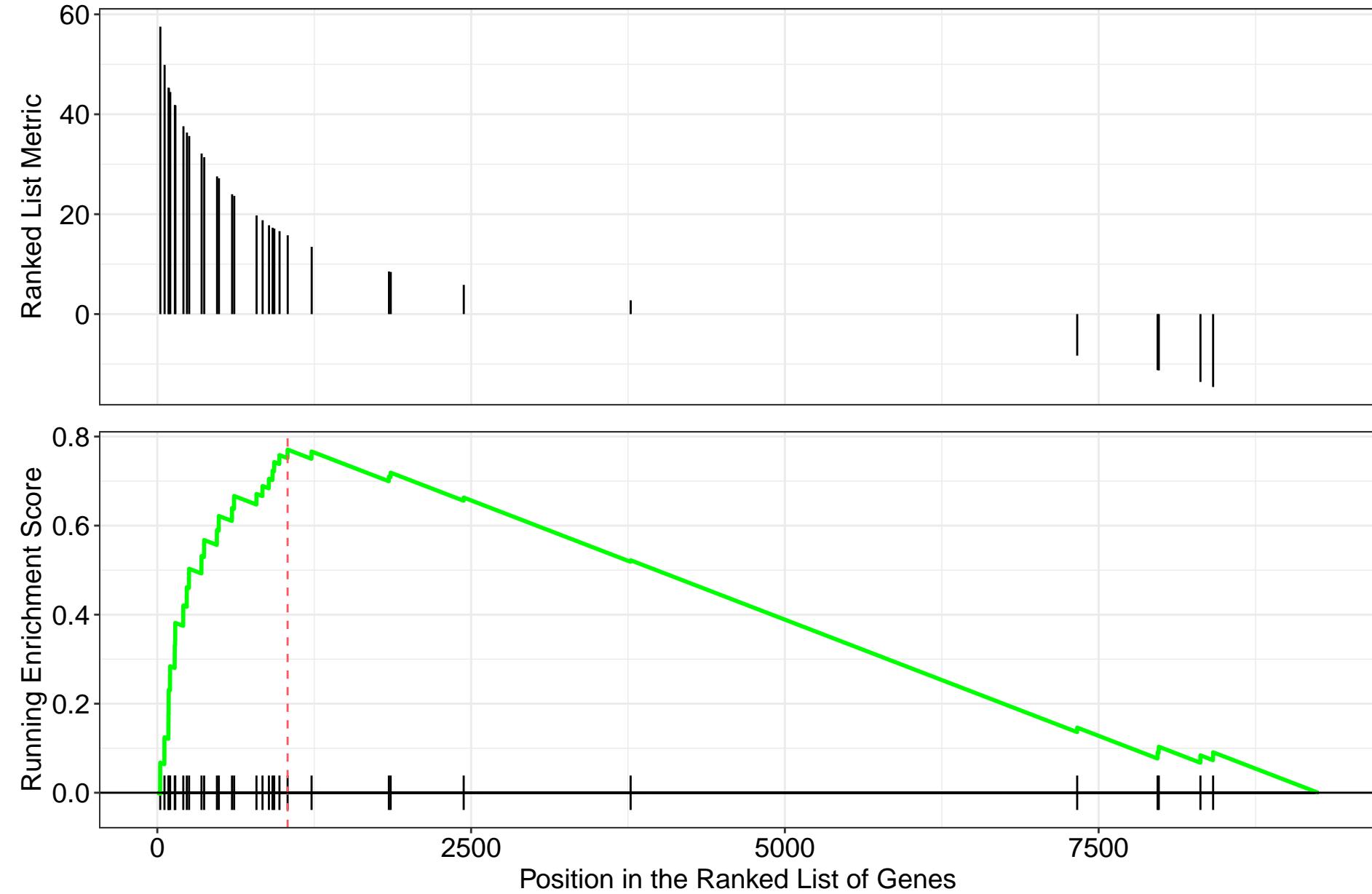
DNA–templated DNA replication



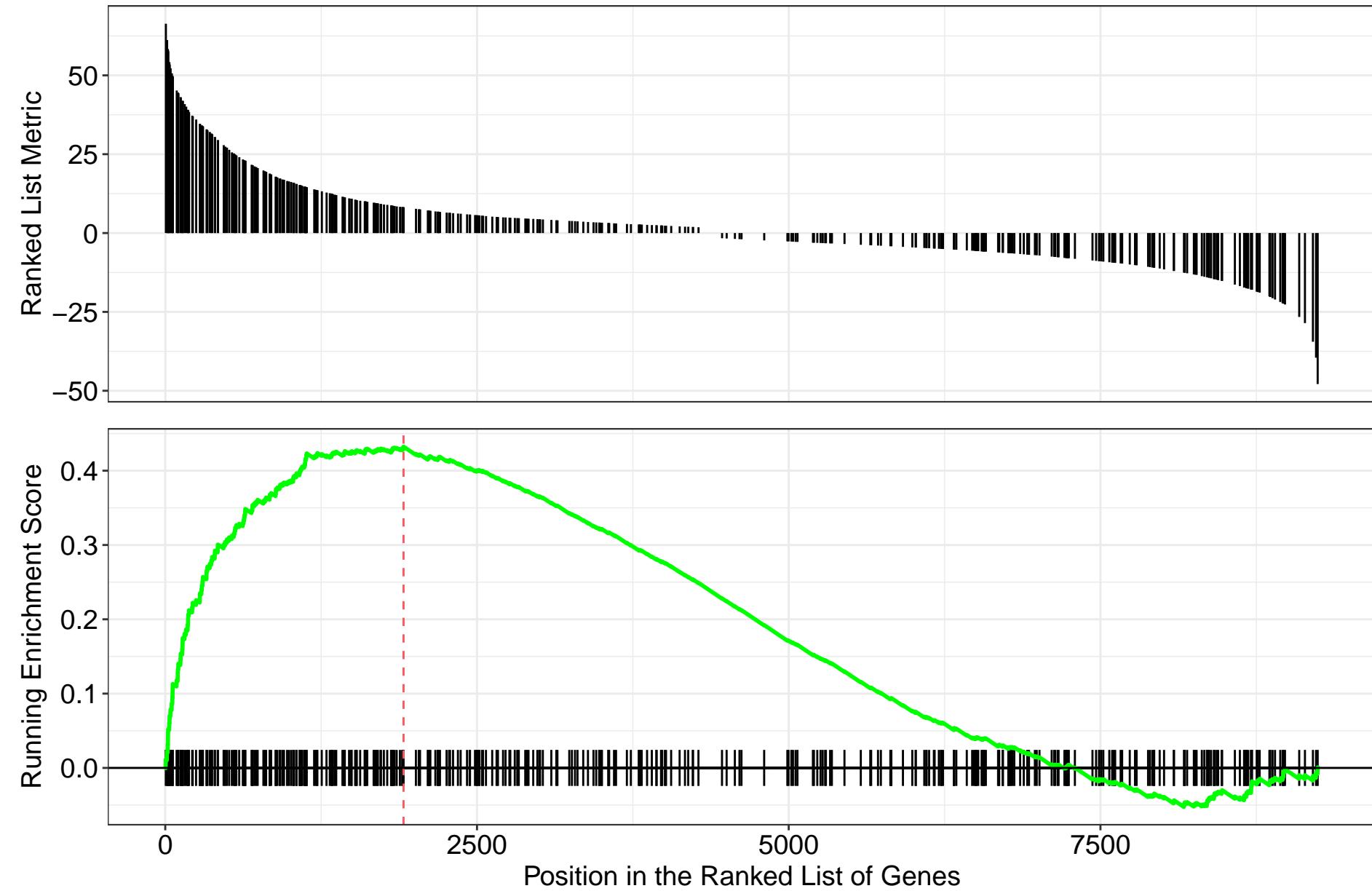
positive regulation of response to biotic stimulus



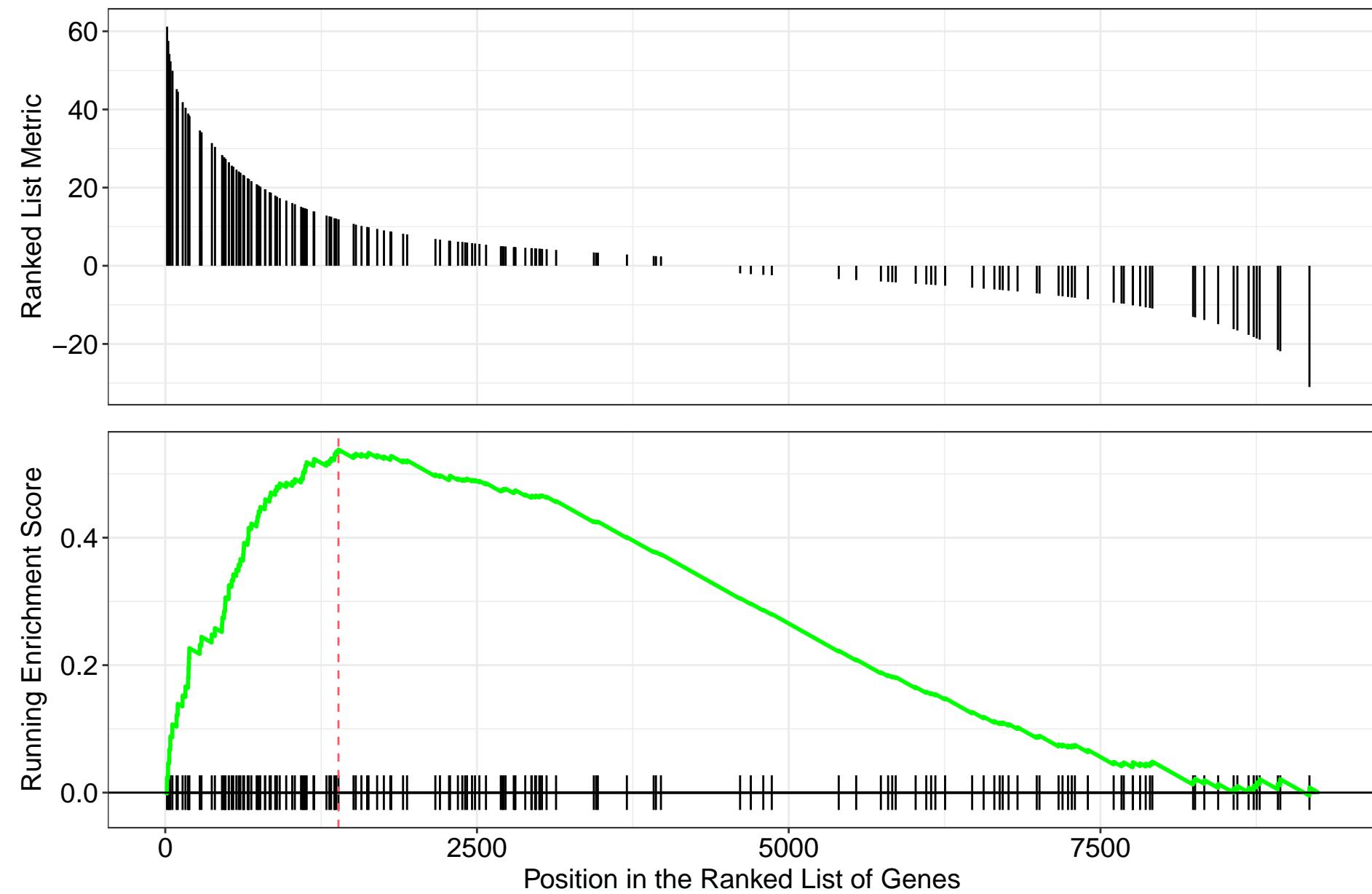
response to protozoan



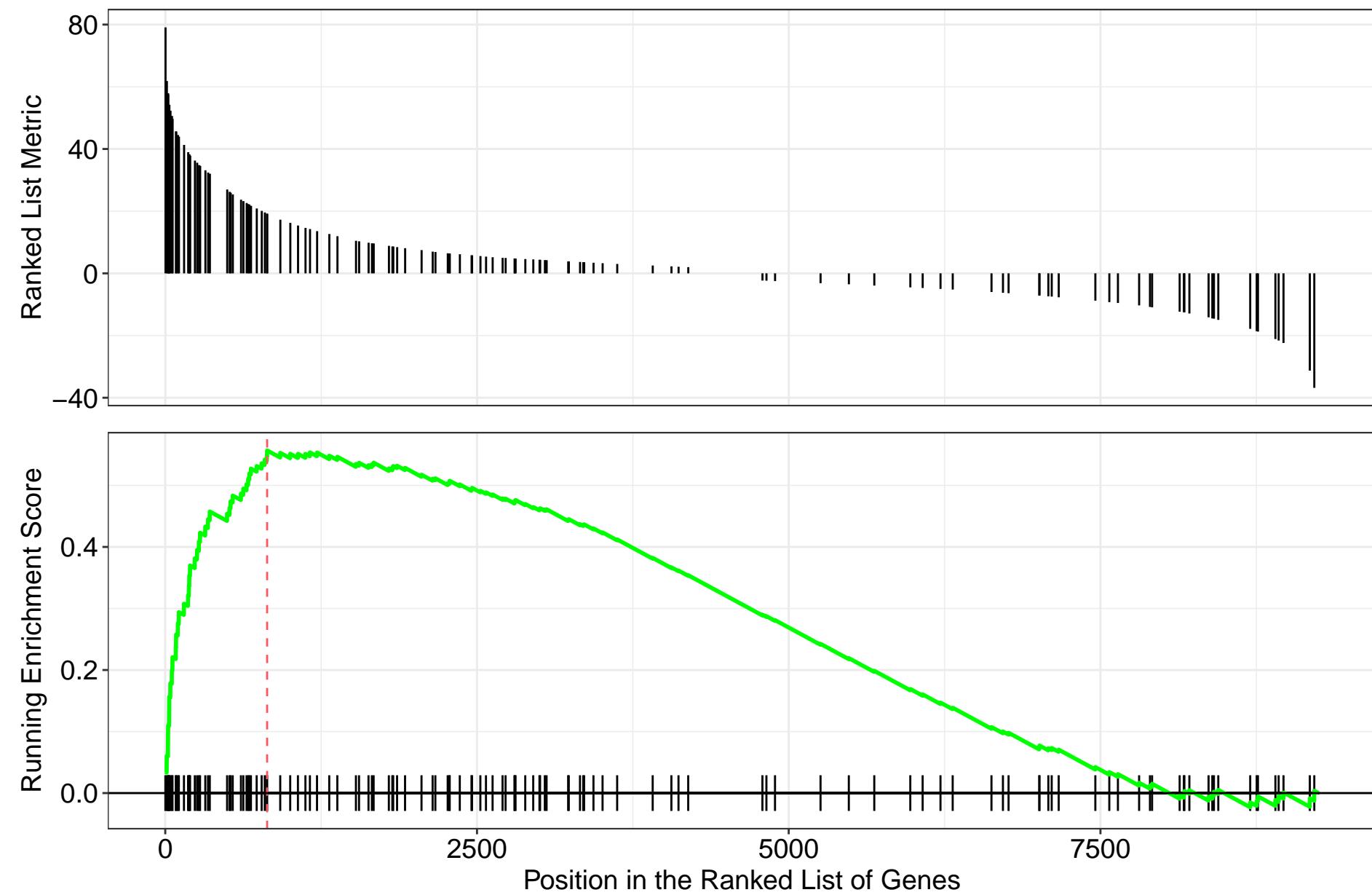
cell–cell adhesion



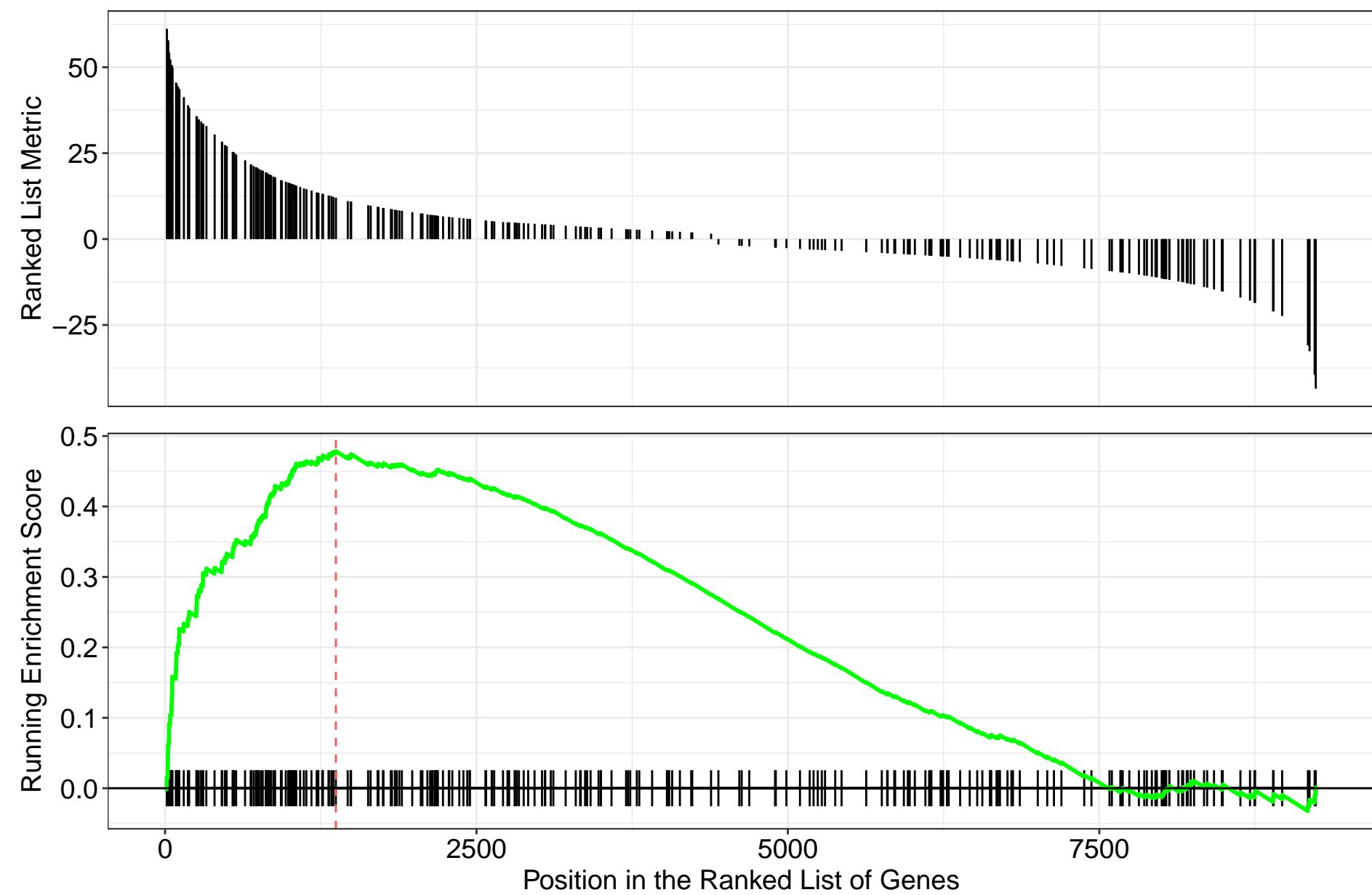
regulation of leukocyte mediated immunity



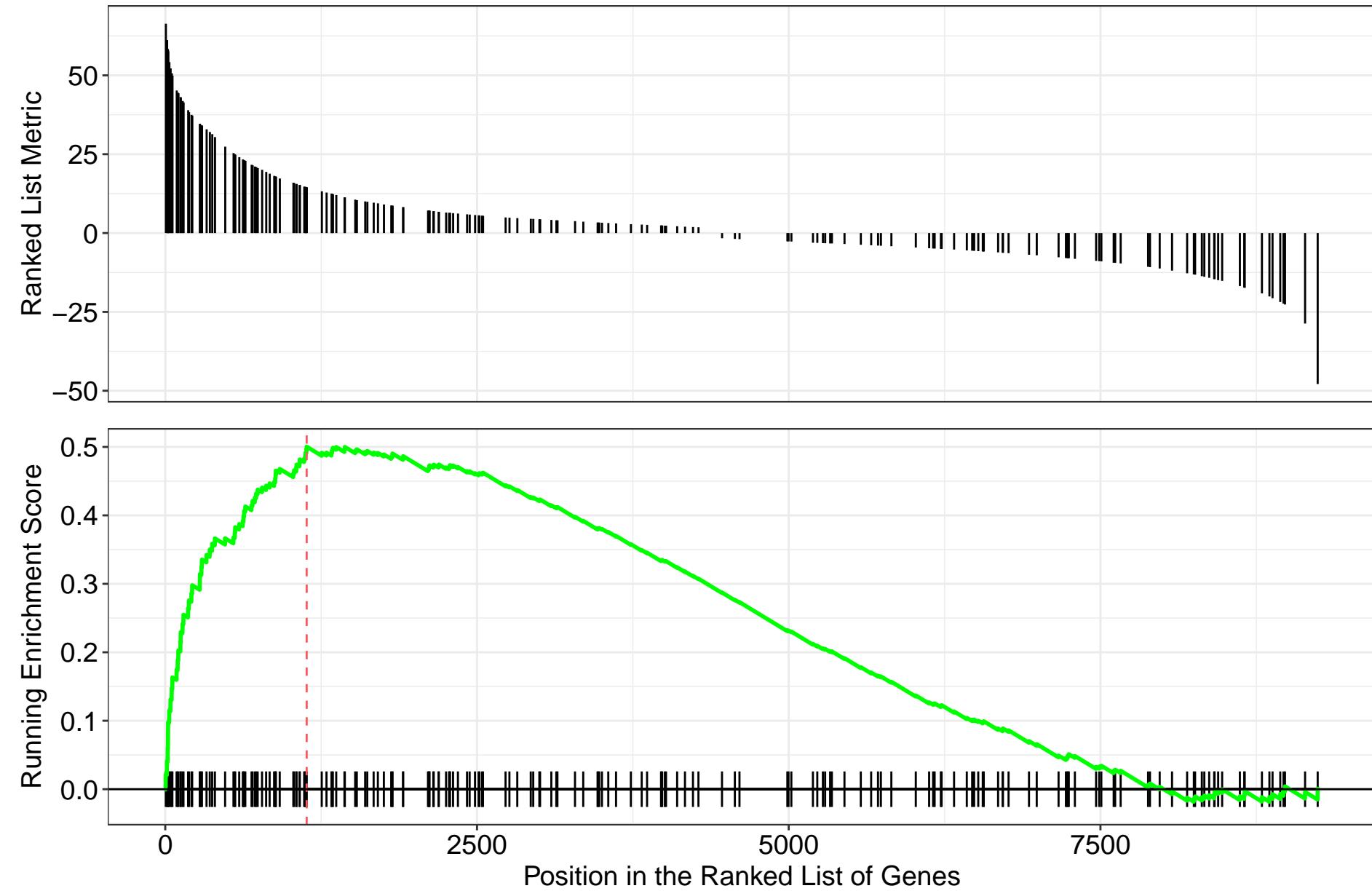
leukocyte chemotaxis



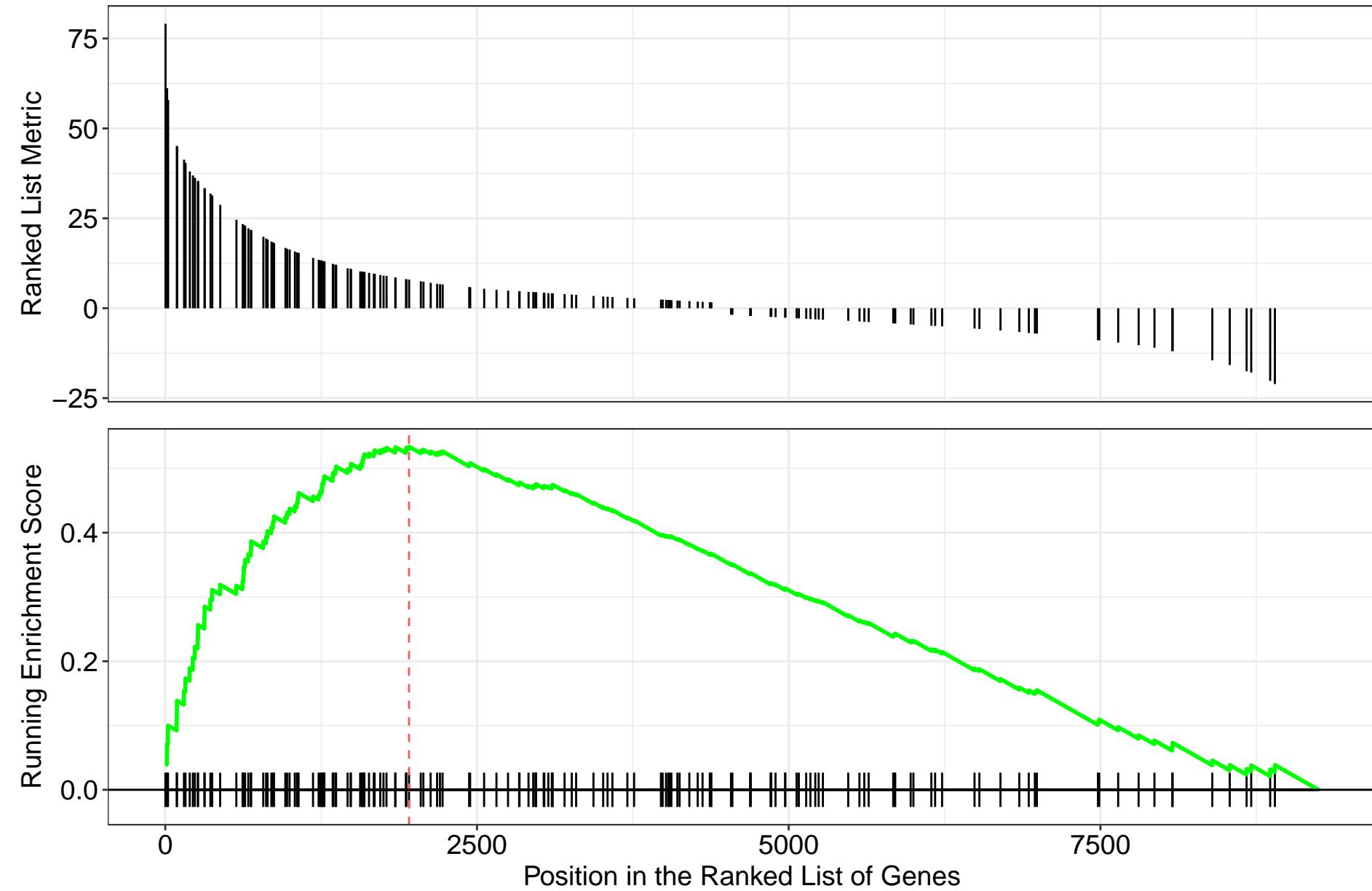
cellular response to lipid



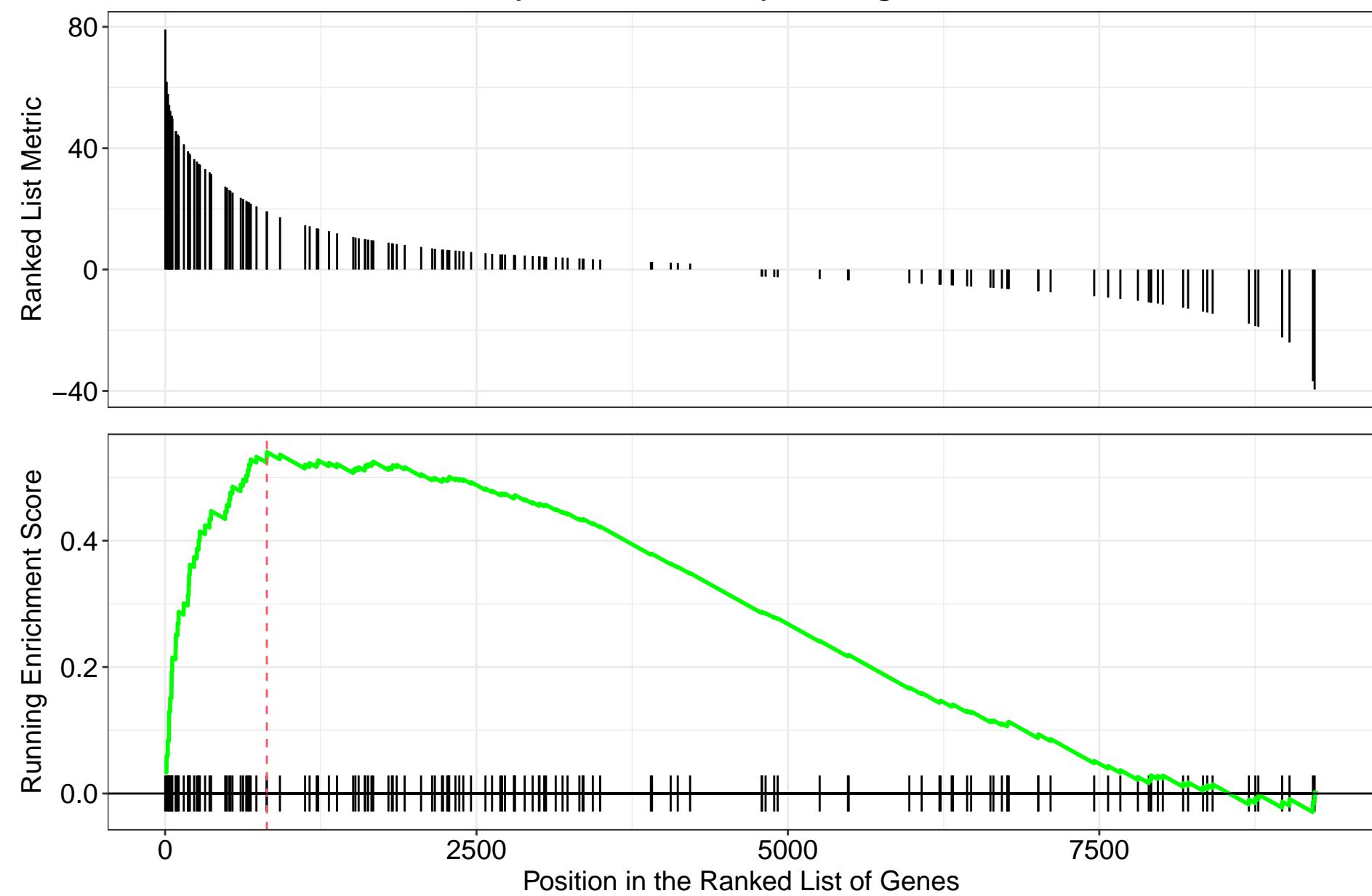
regulation of T cell activation



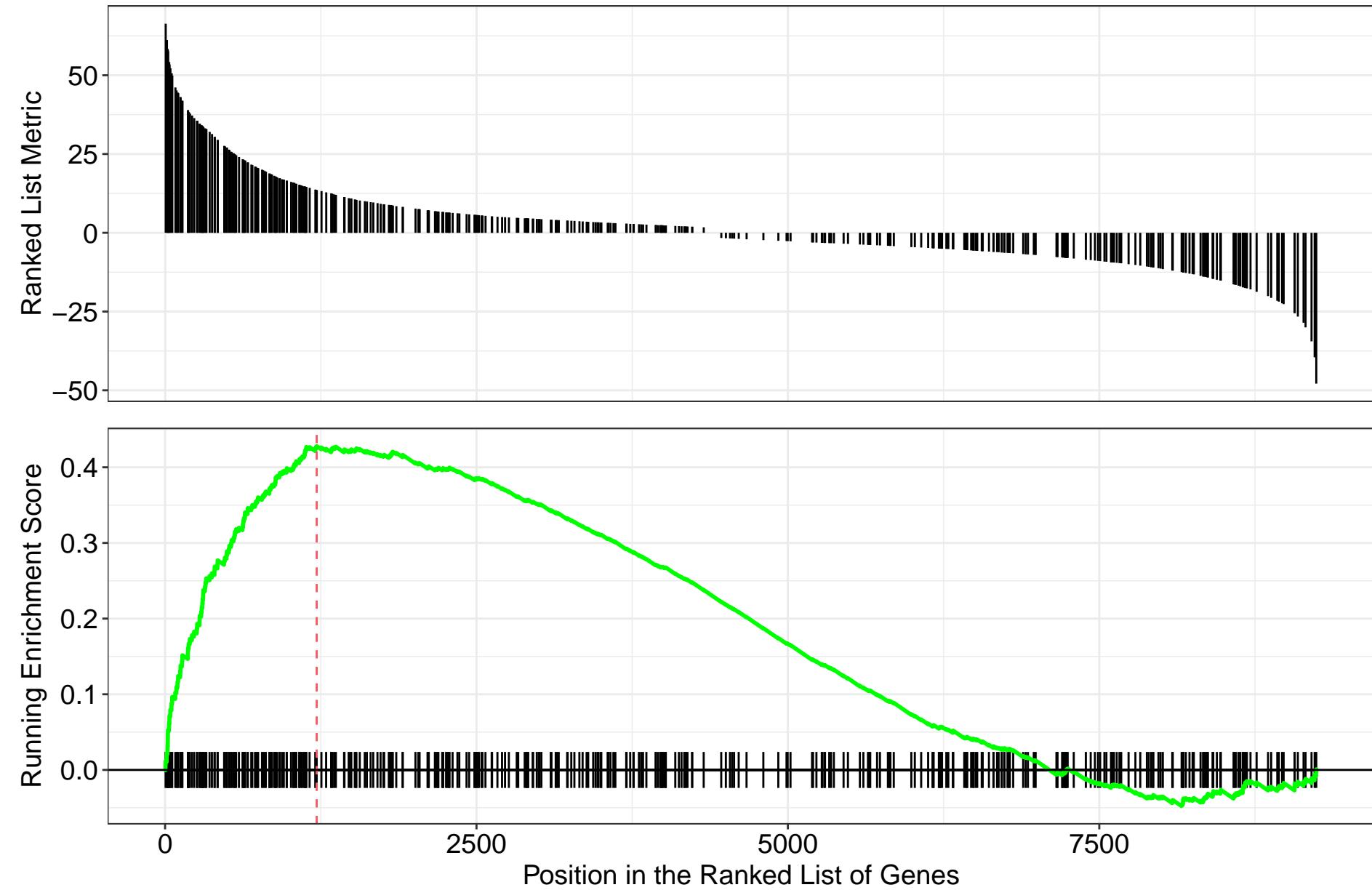
viral life cycle



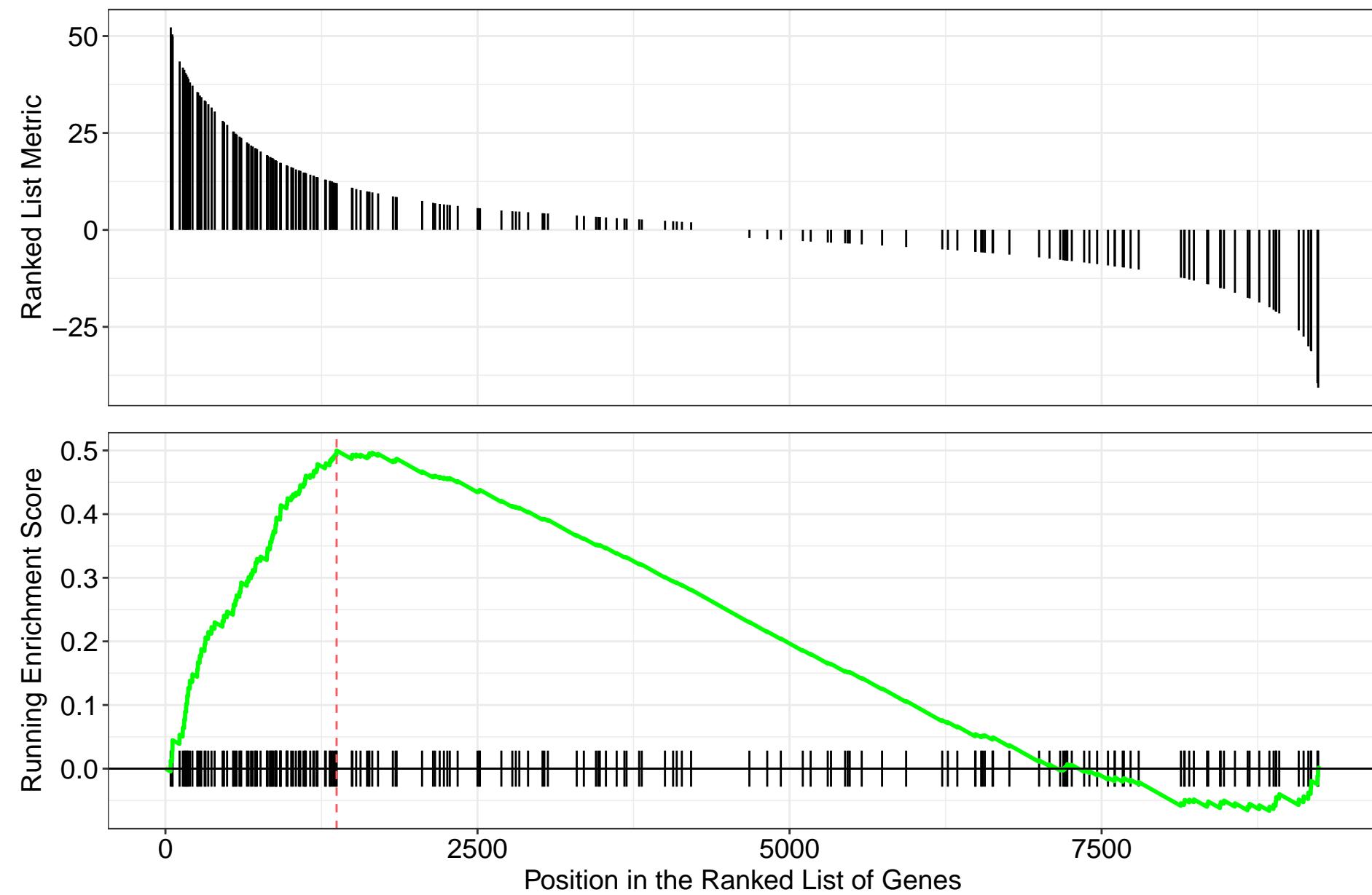
myeloid leukocyte migration



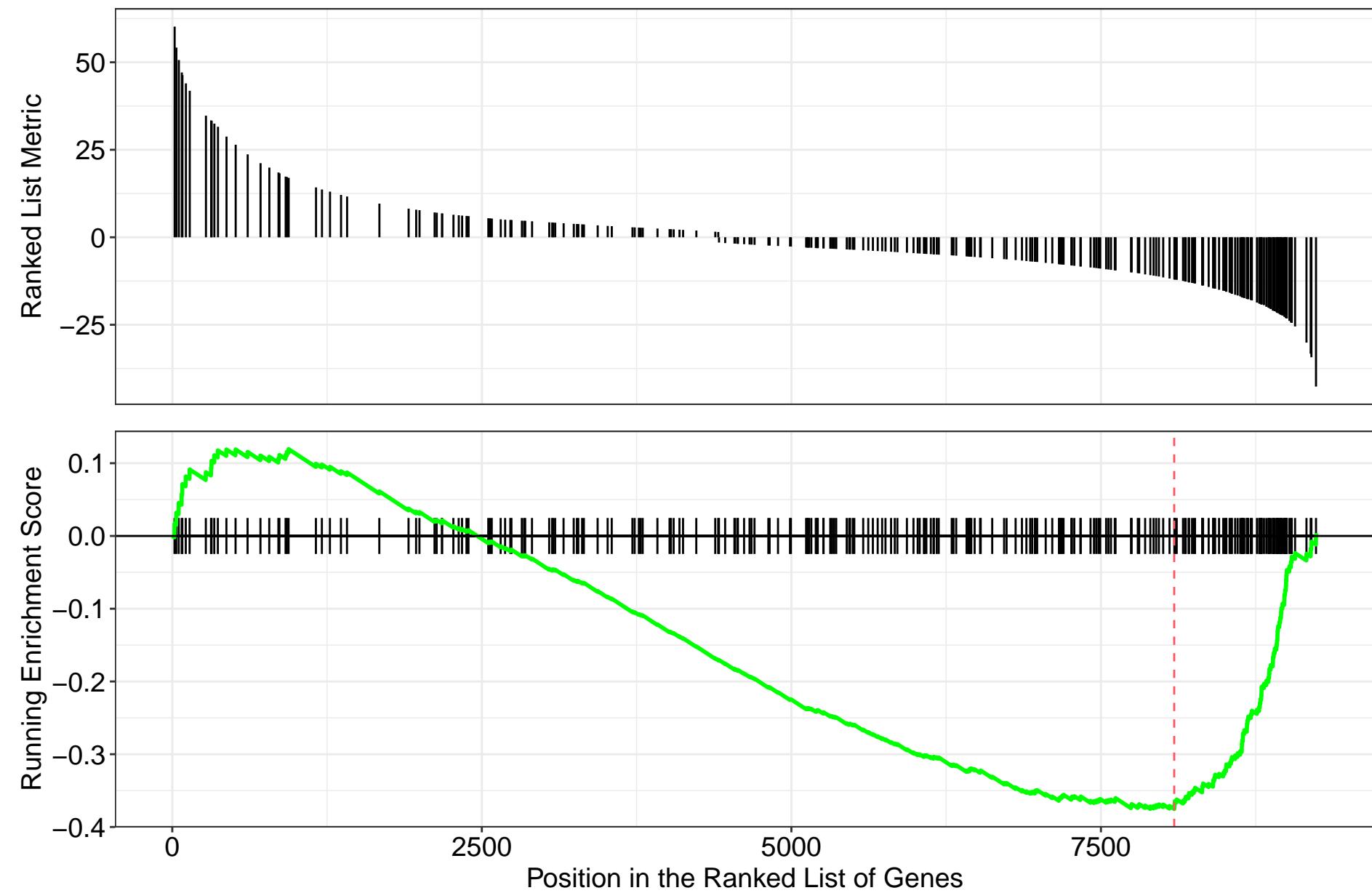
regulation of cell adhesion



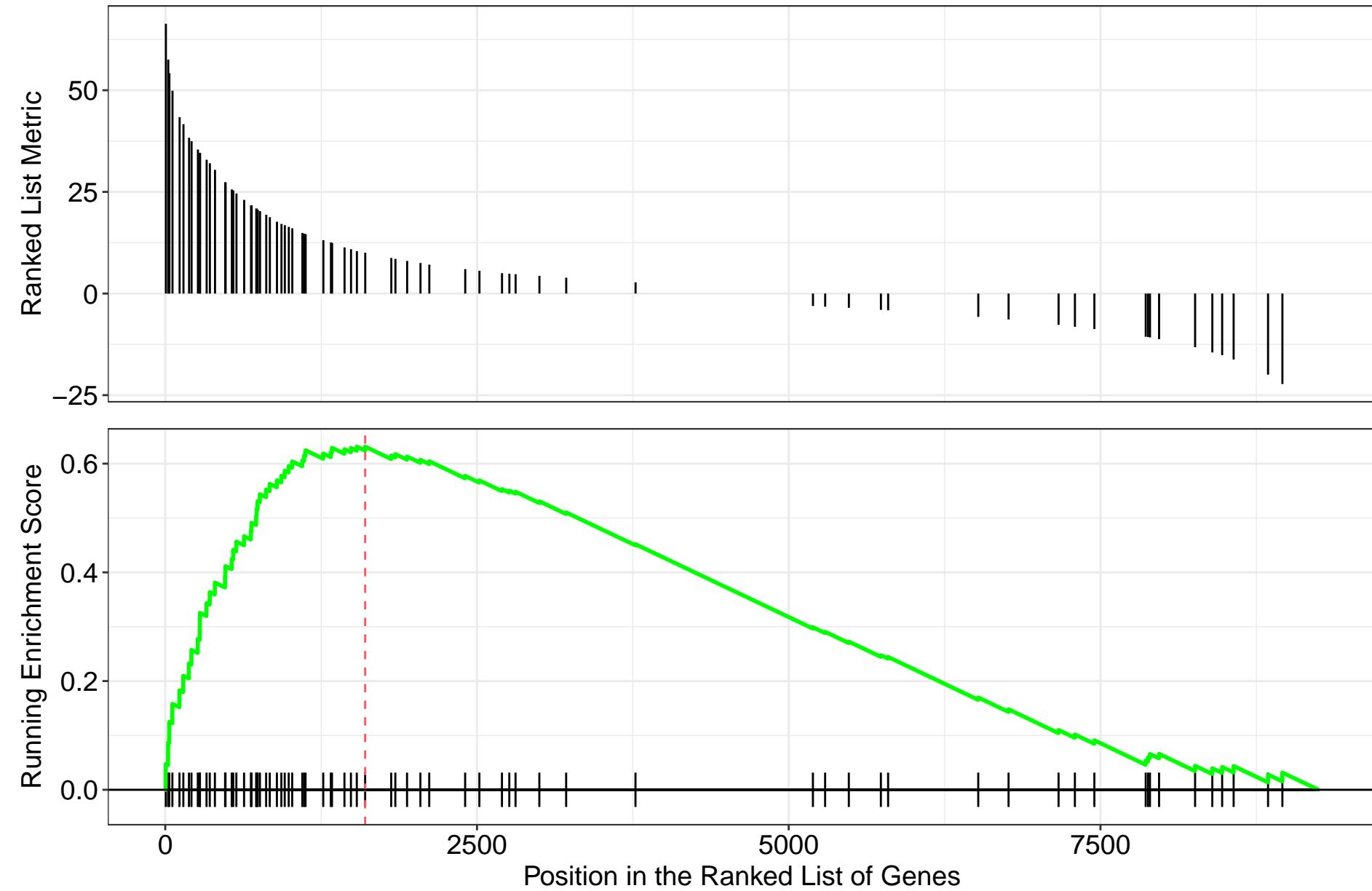
negative regulation of response to external stimulus



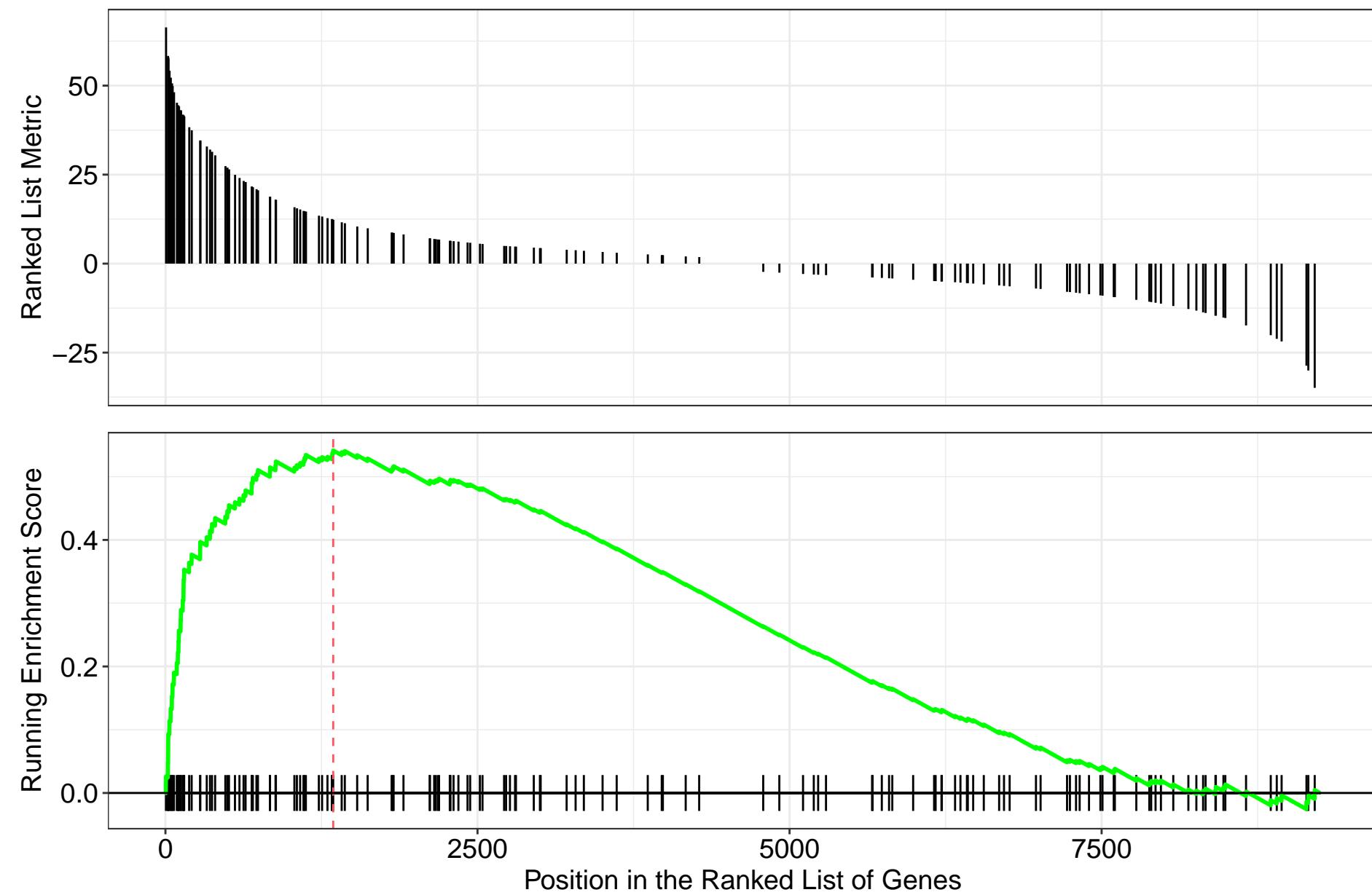
organelle fission



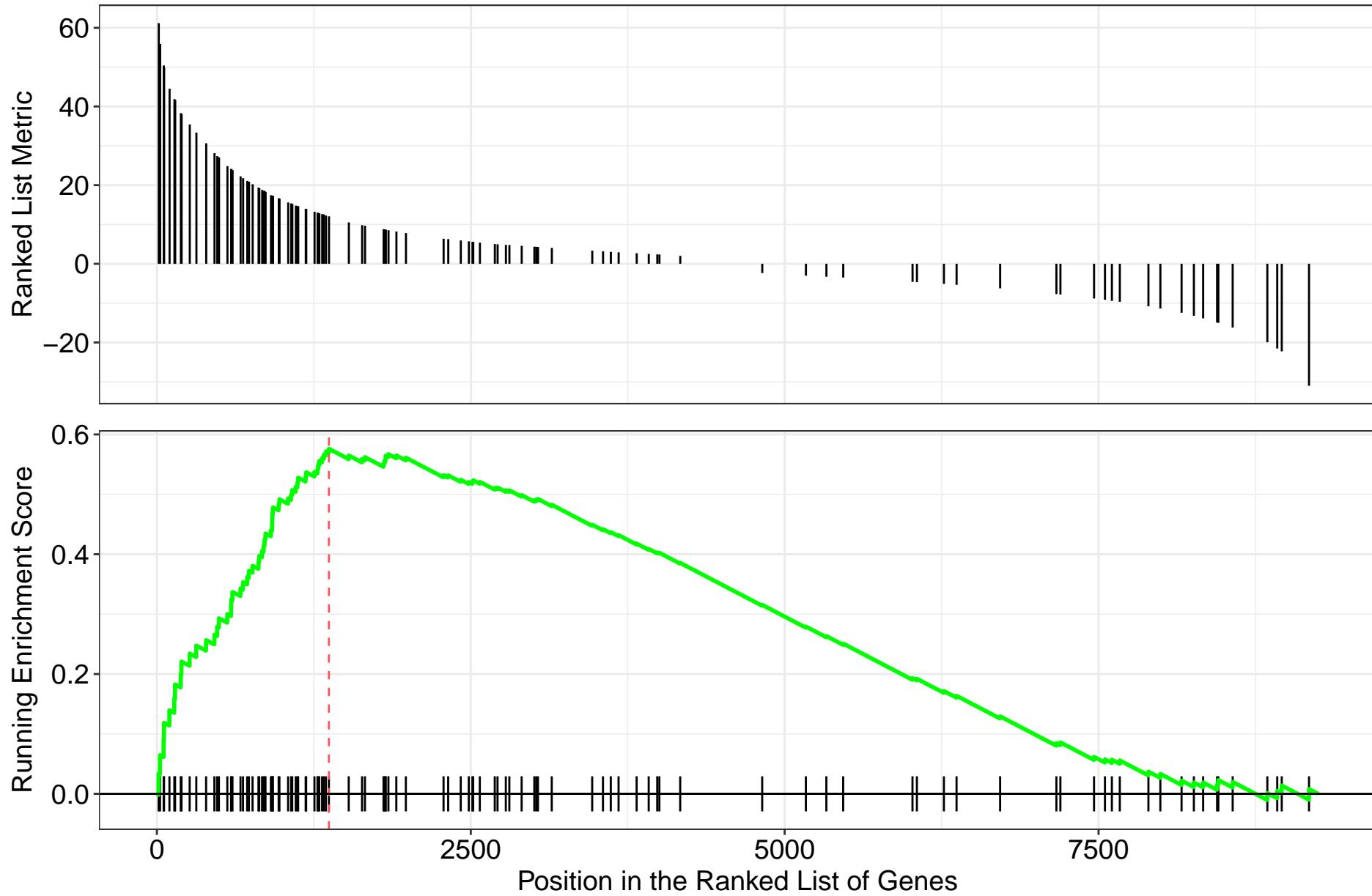
interferon–gamma production



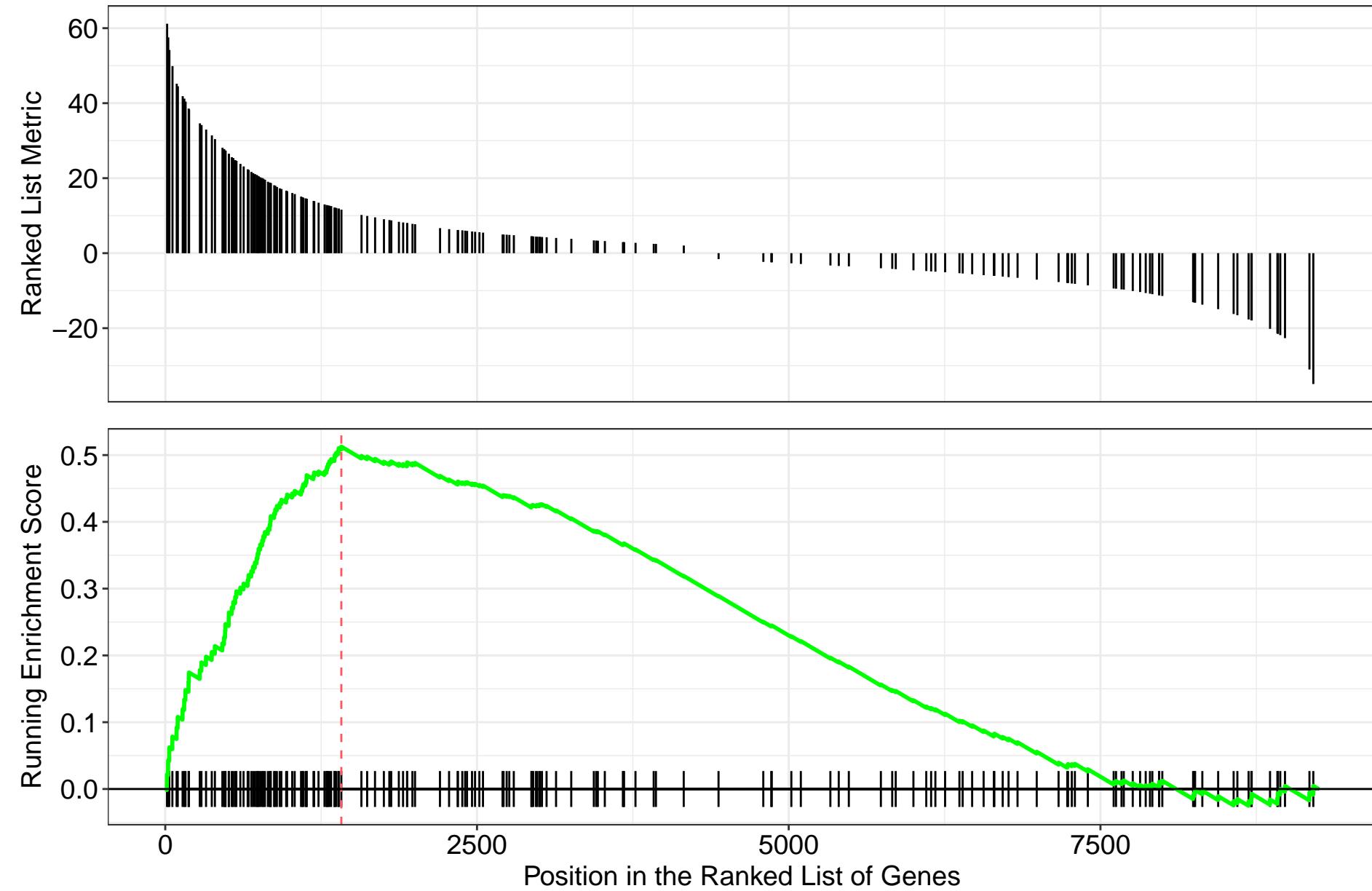
regulation of leukocyte proliferation



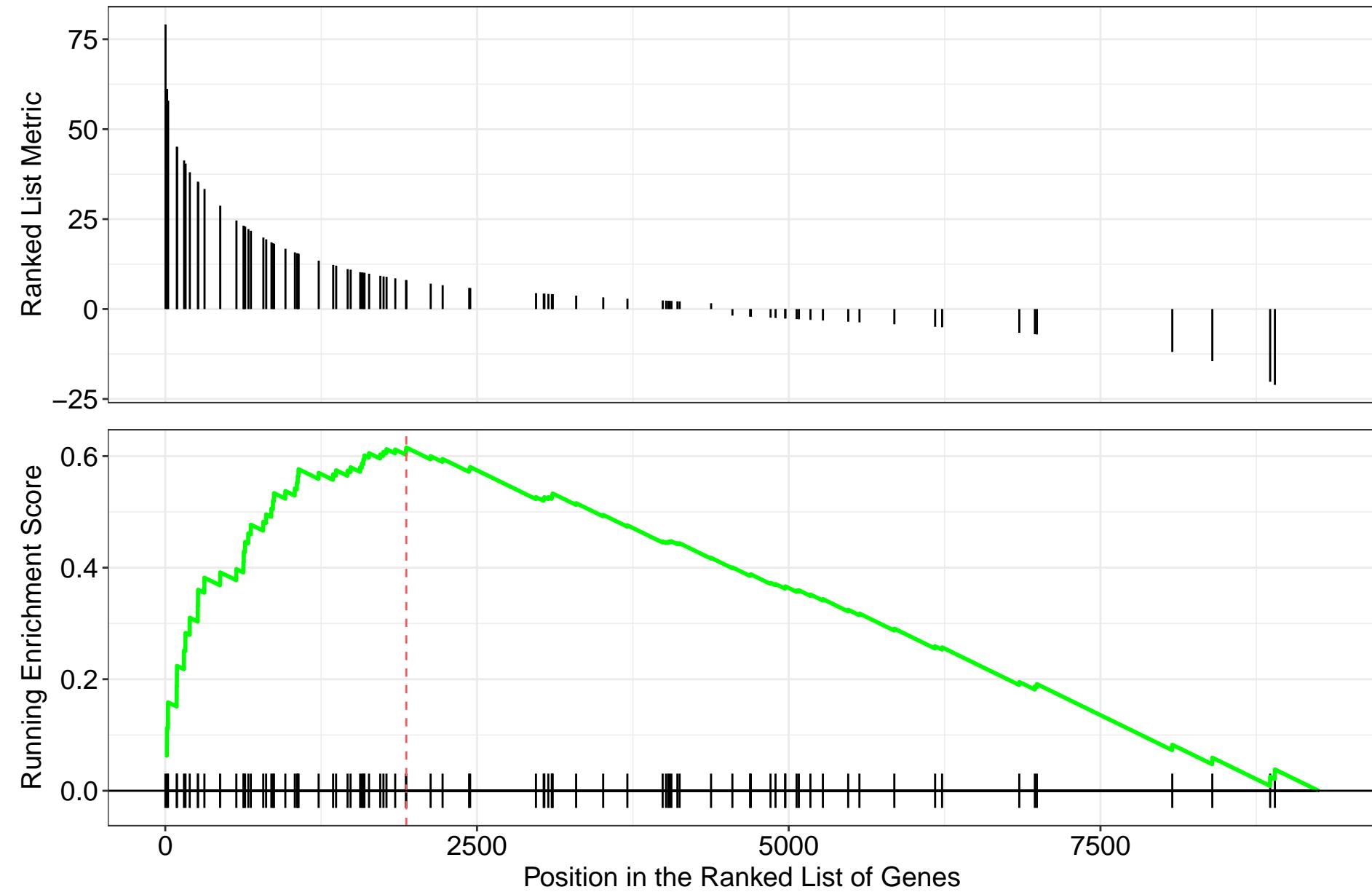
negative regulation of immune response



lymphocyte mediated immunity

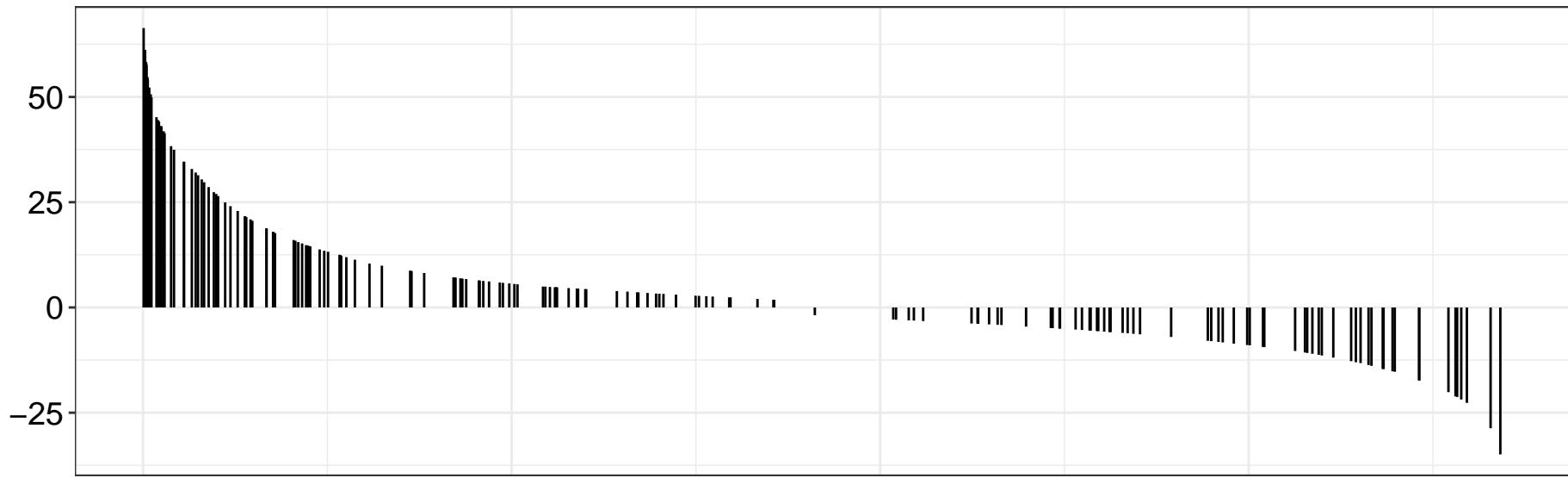


viral genome replication



lymphocyte proliferation

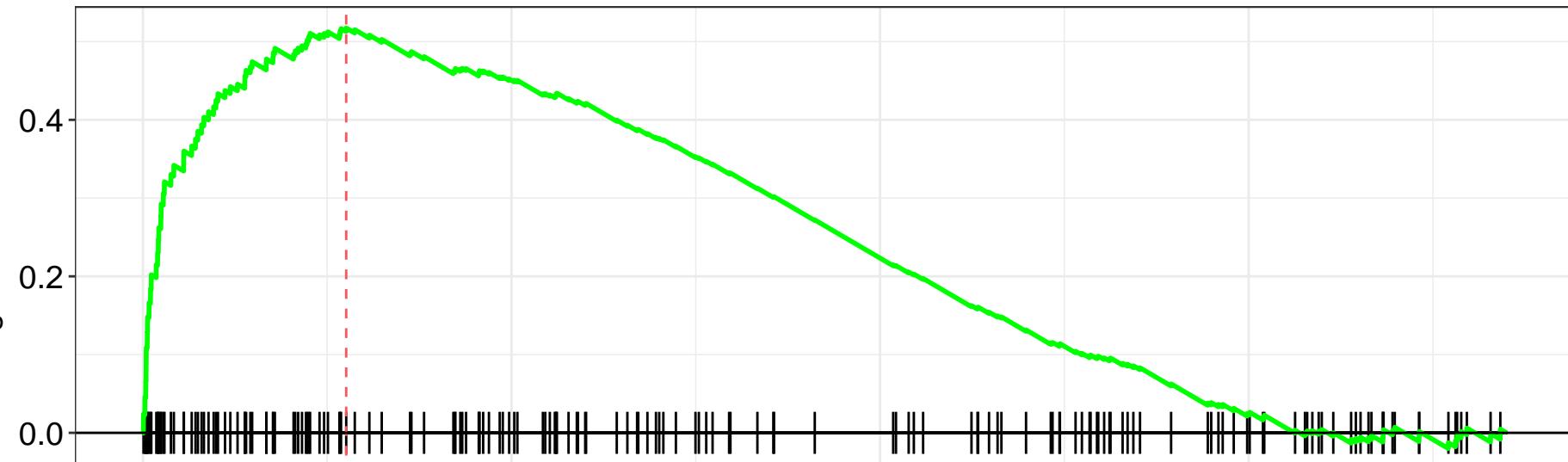
Ranked List Metric



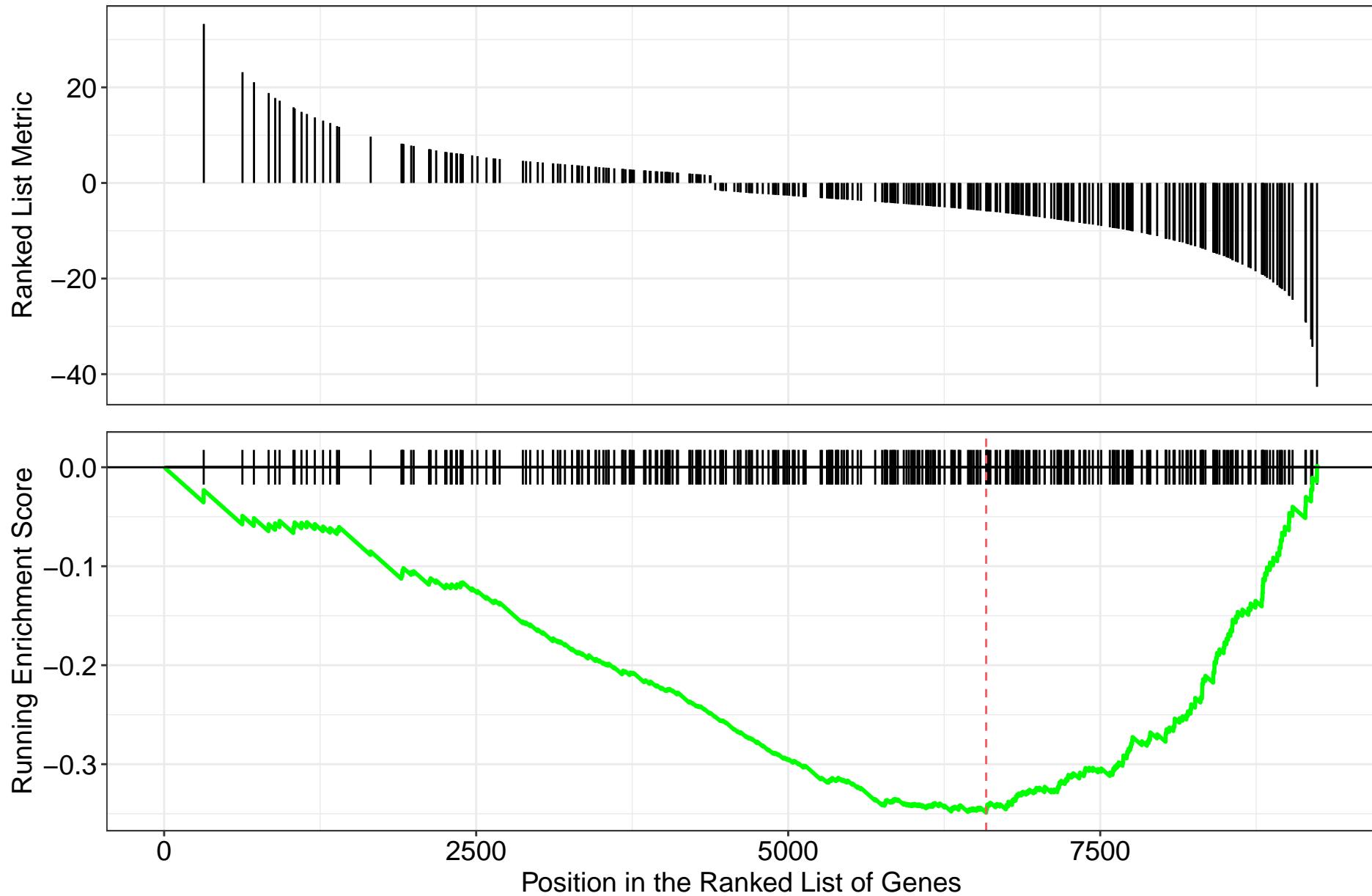
Running Enrichment Score

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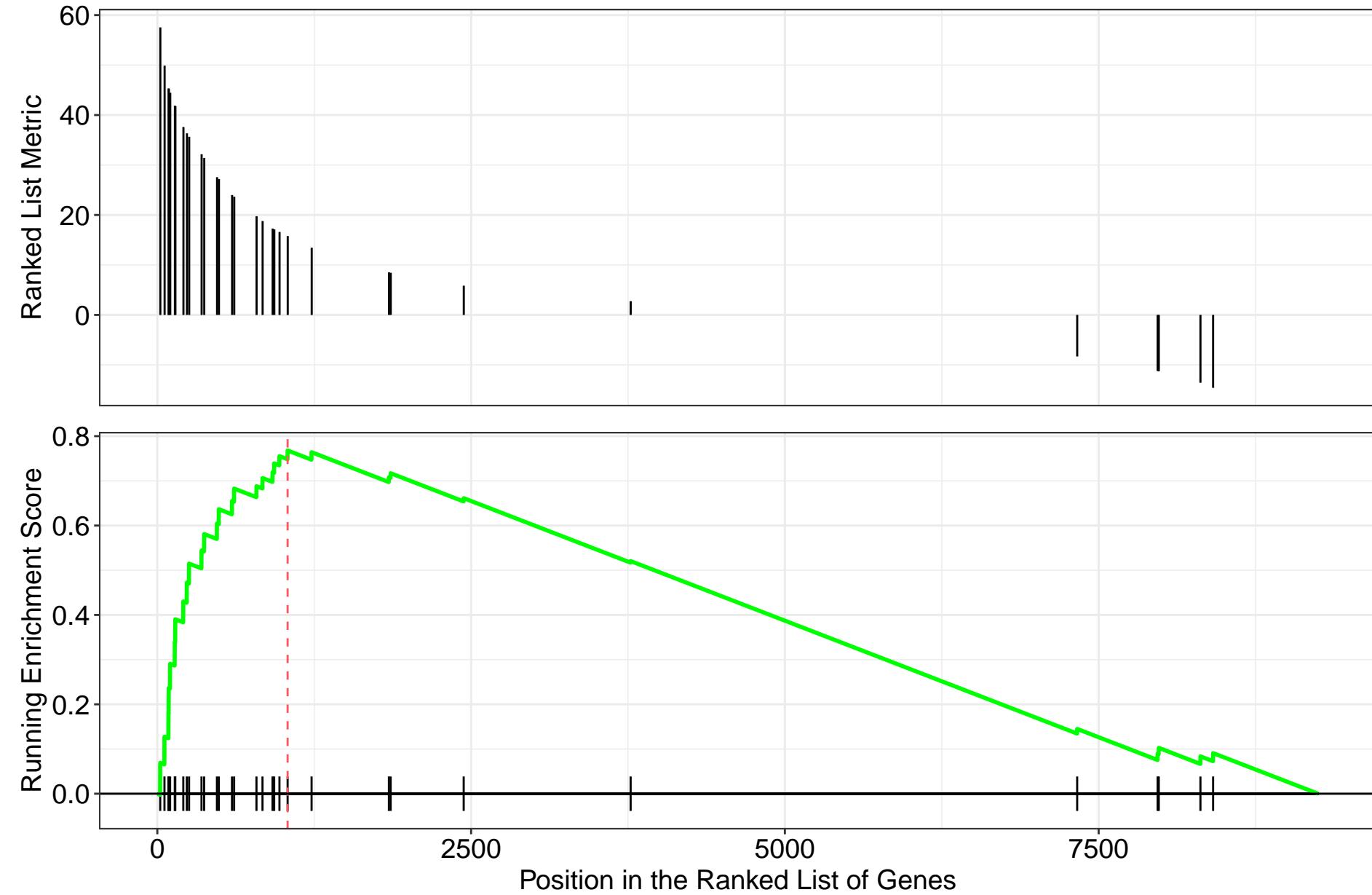
Position in the Ranked List of Genes



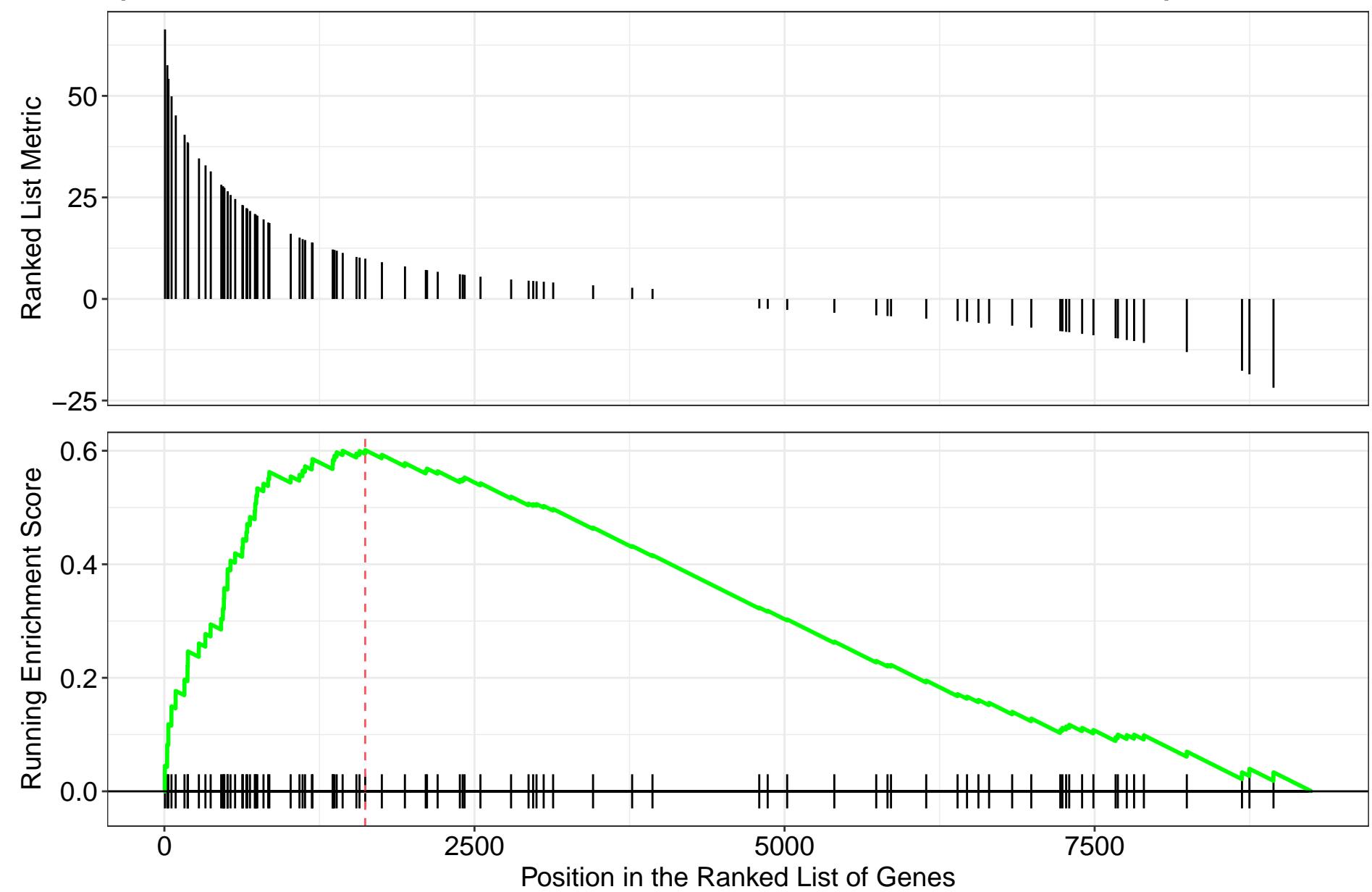
DNA repair



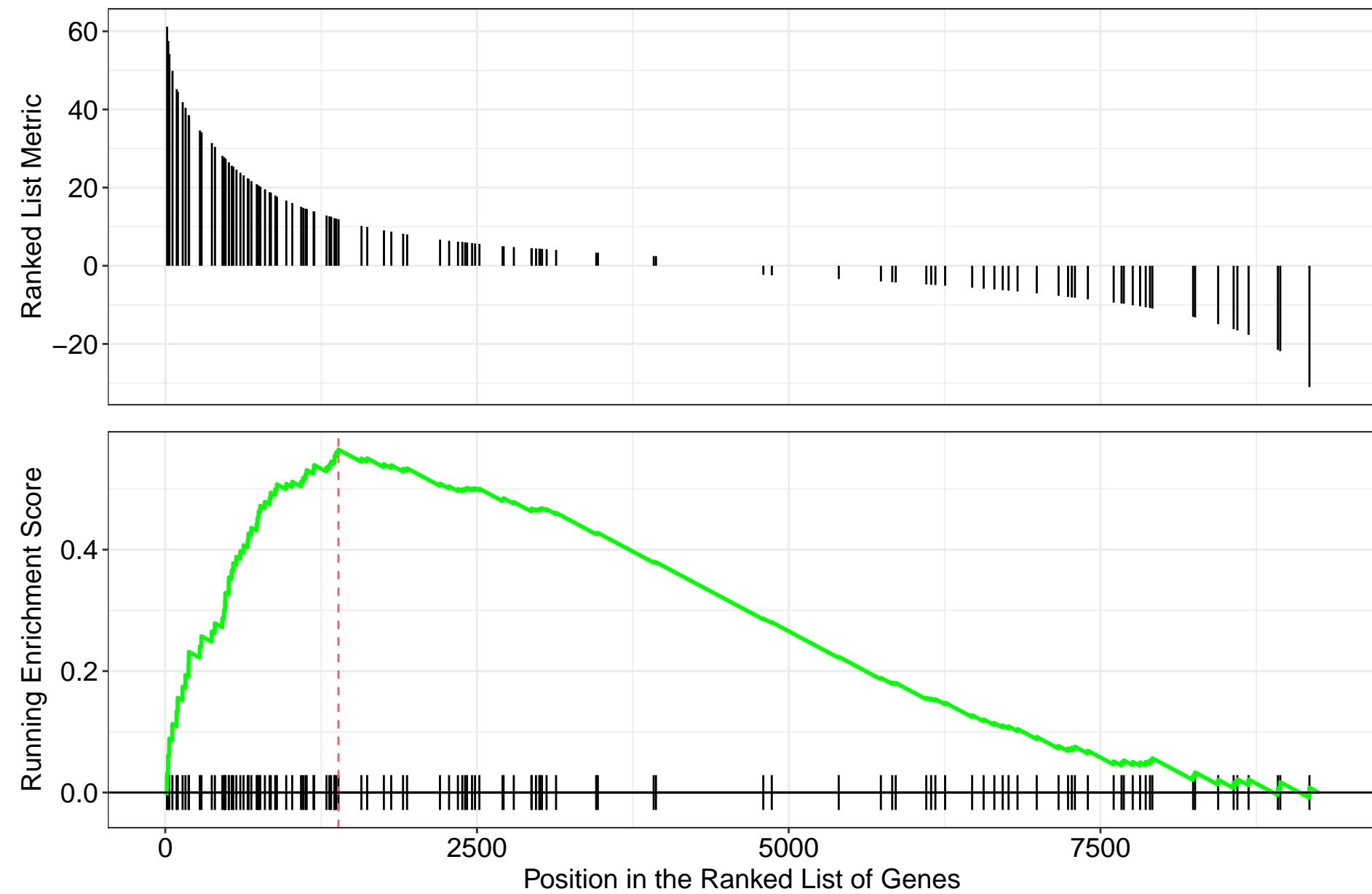
defense response to protozoan



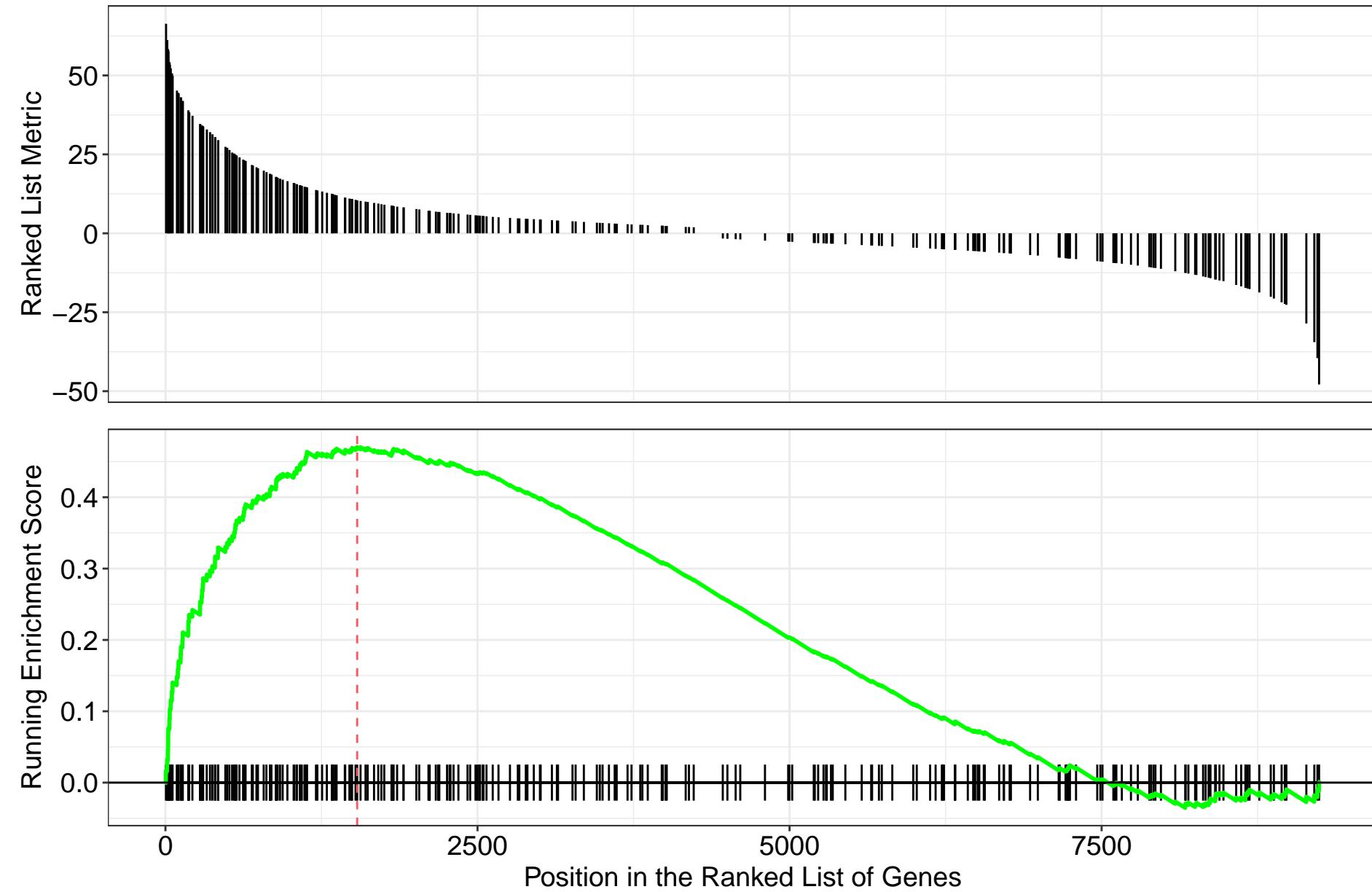
The response based on somatic recombination of immune receptors built from



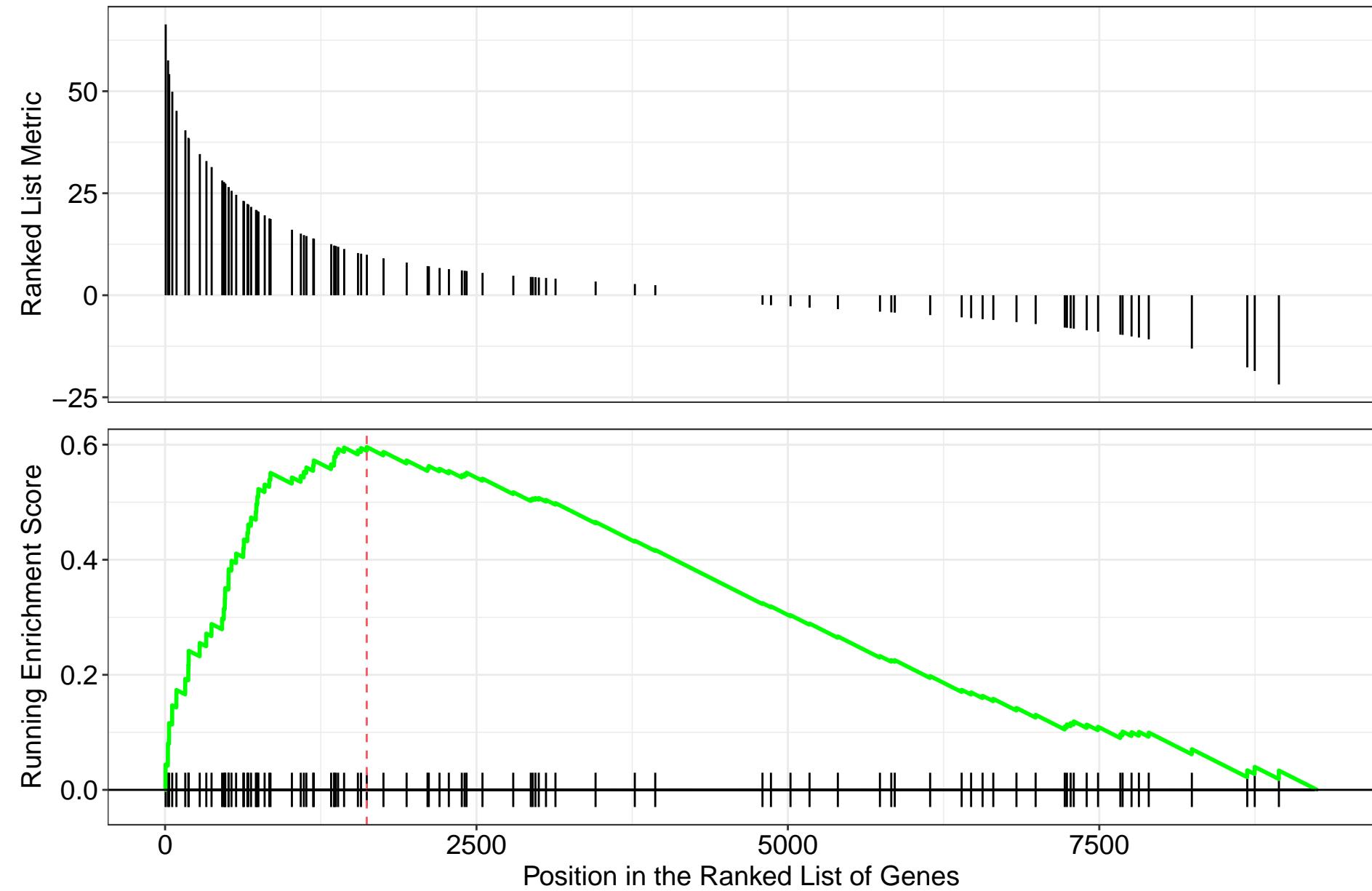
regulation of lymphocyte mediated immunity



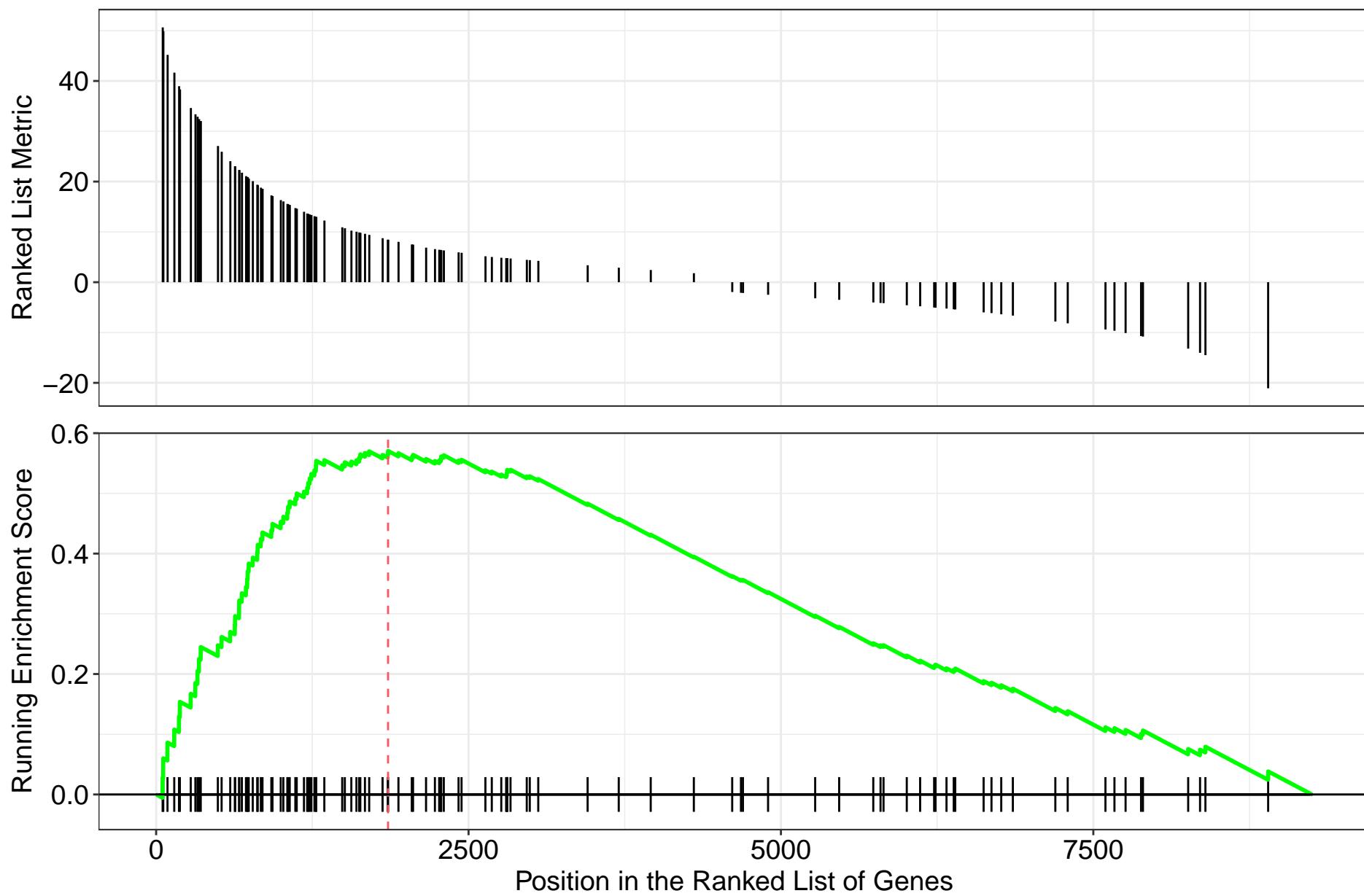
regulation of cell–cell adhesion



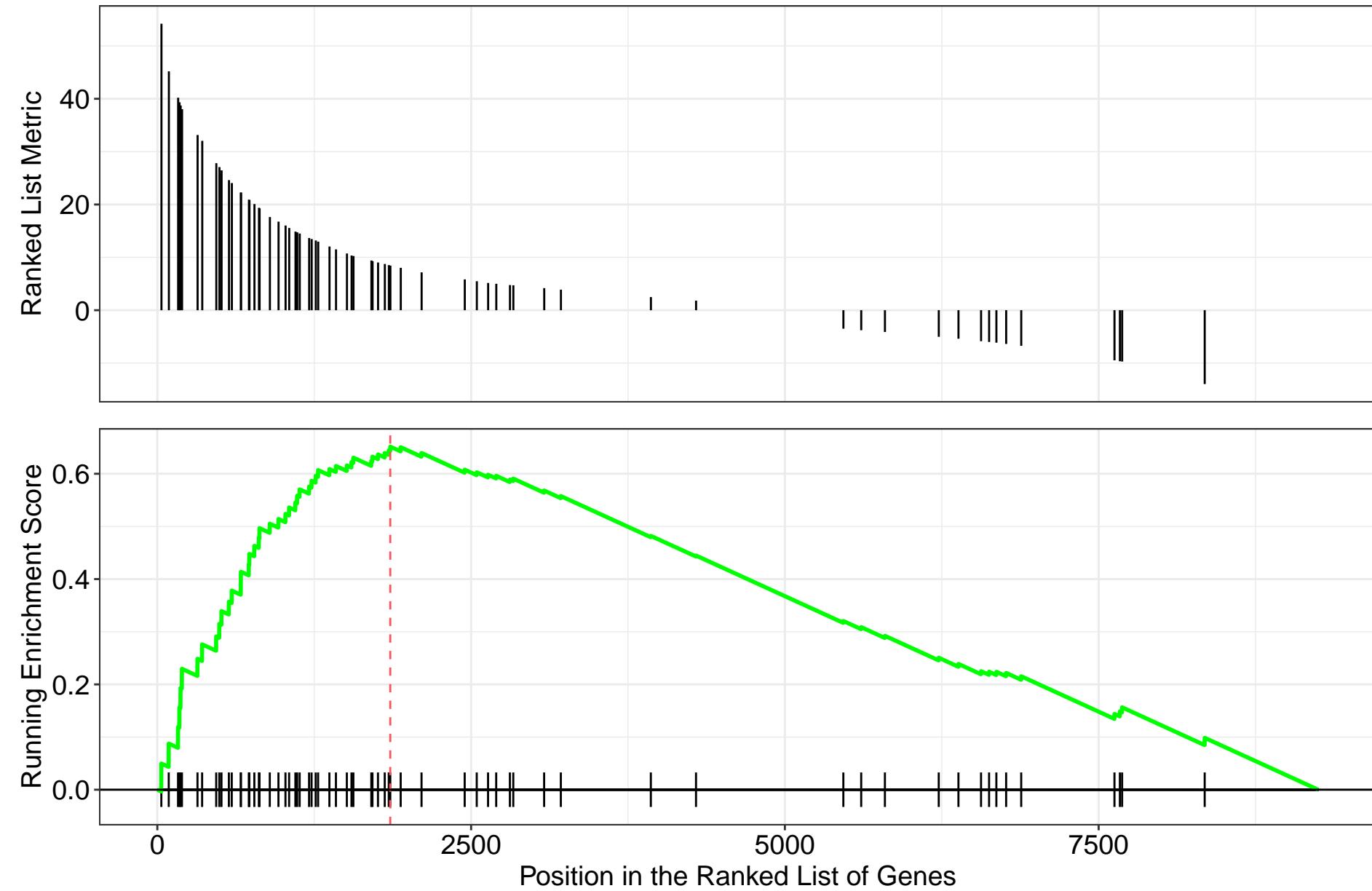
positive regulation of adaptive immune response



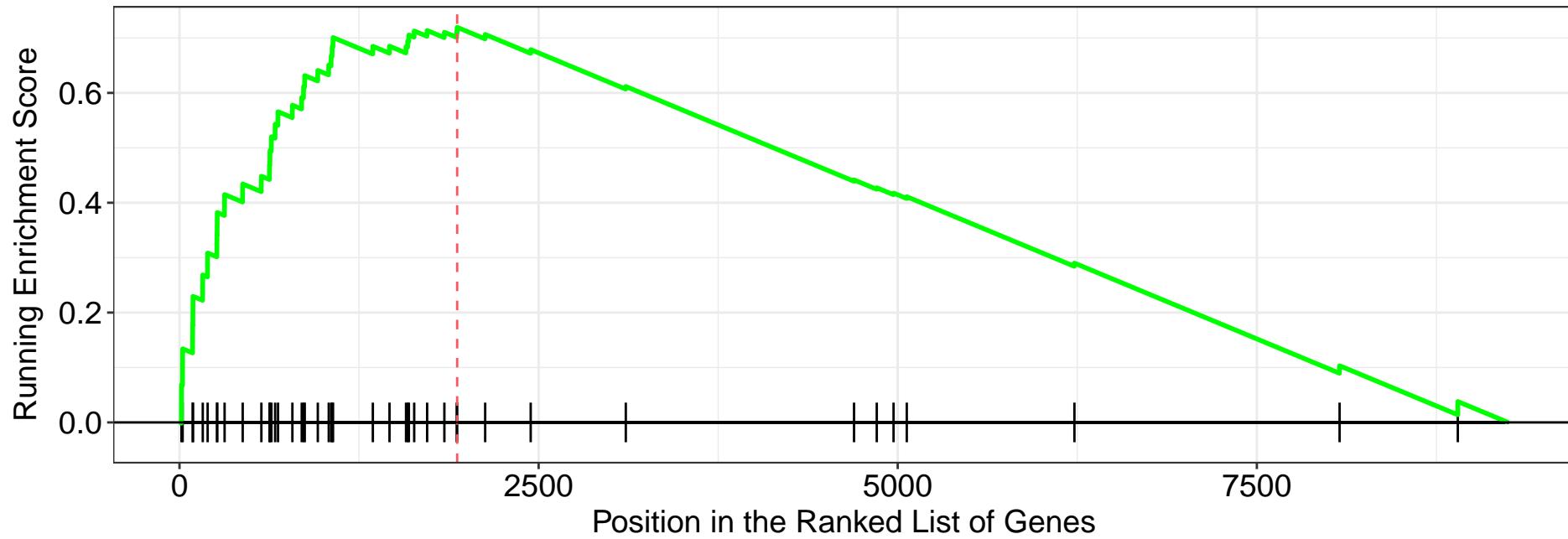
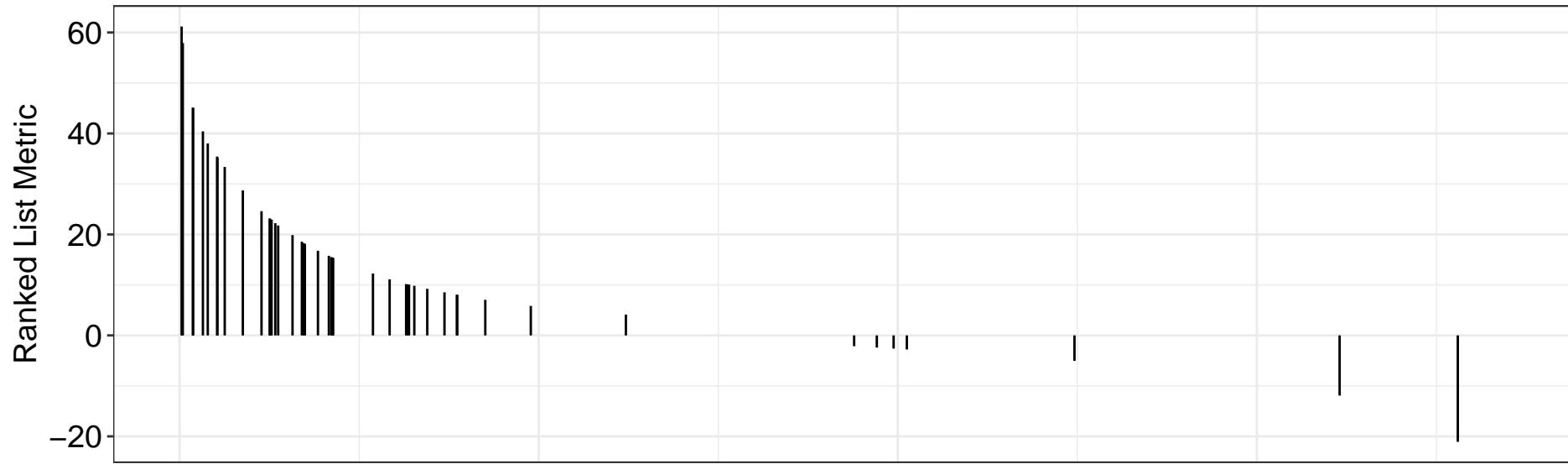
tumor necrosis factor superfamily cytokine production



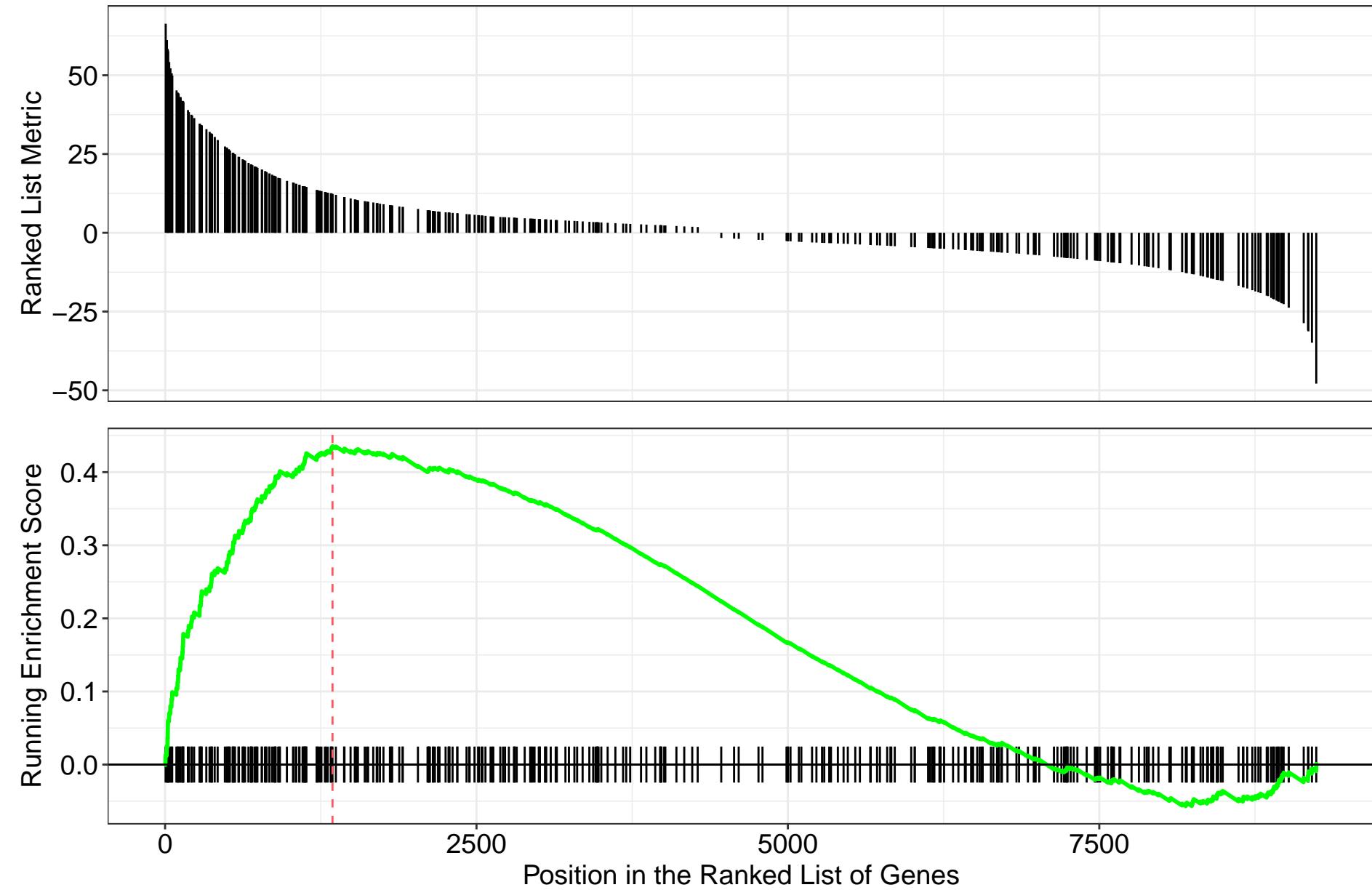
interleukin-1 beta production



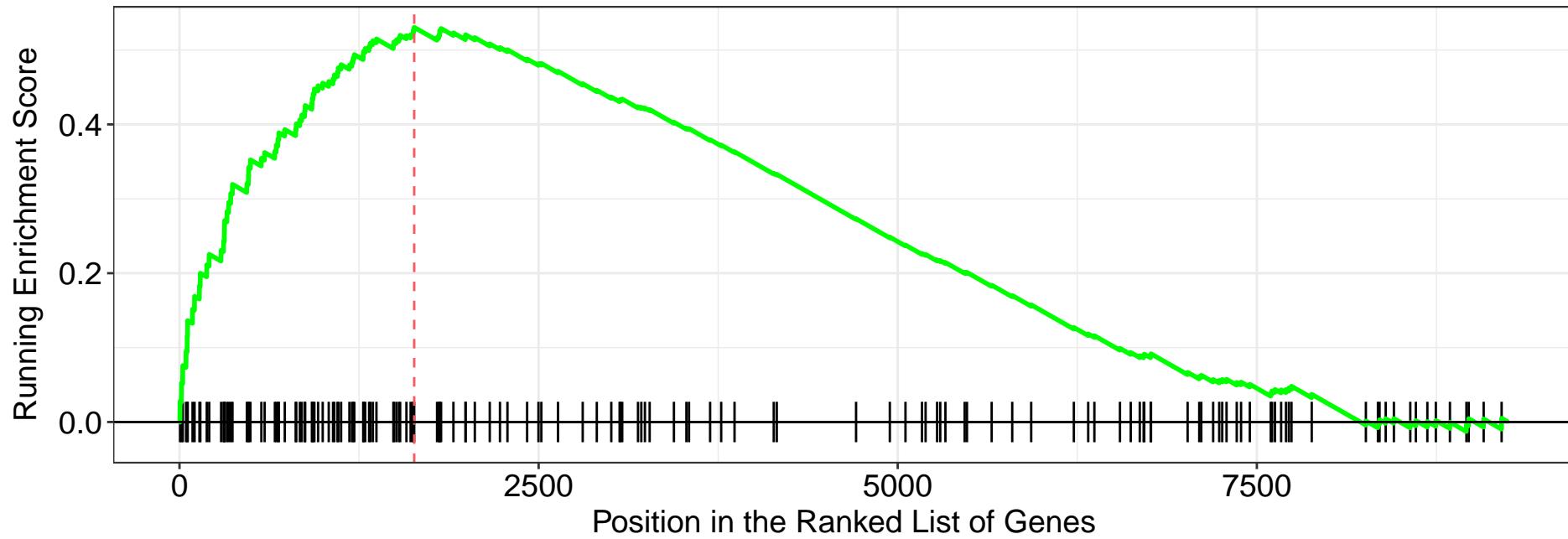
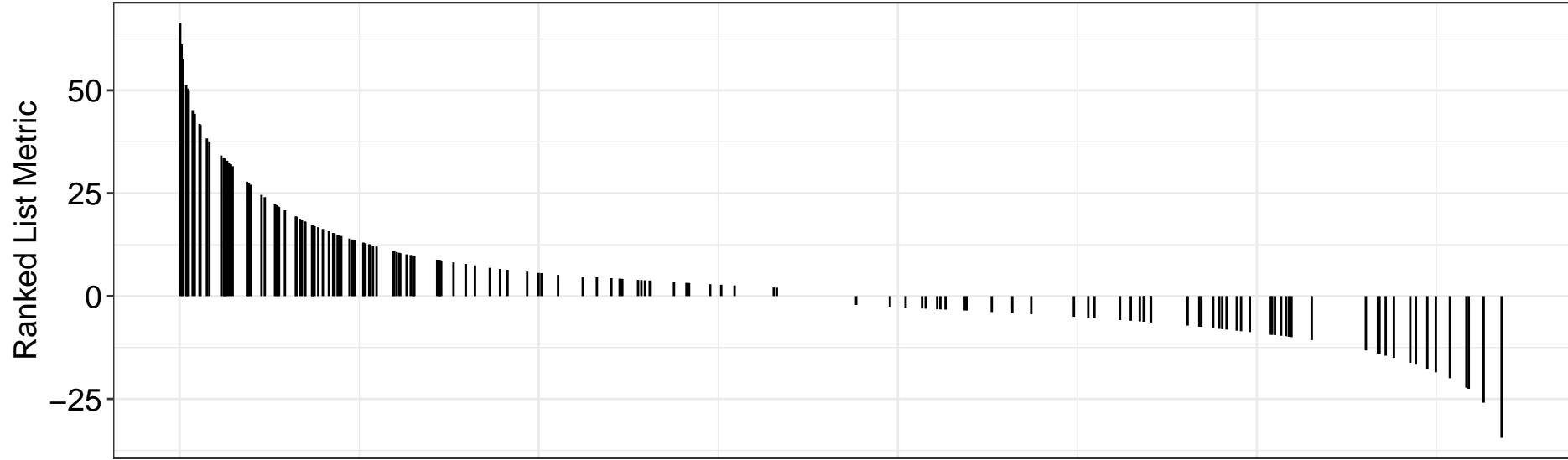
negative regulation of viral genome replication



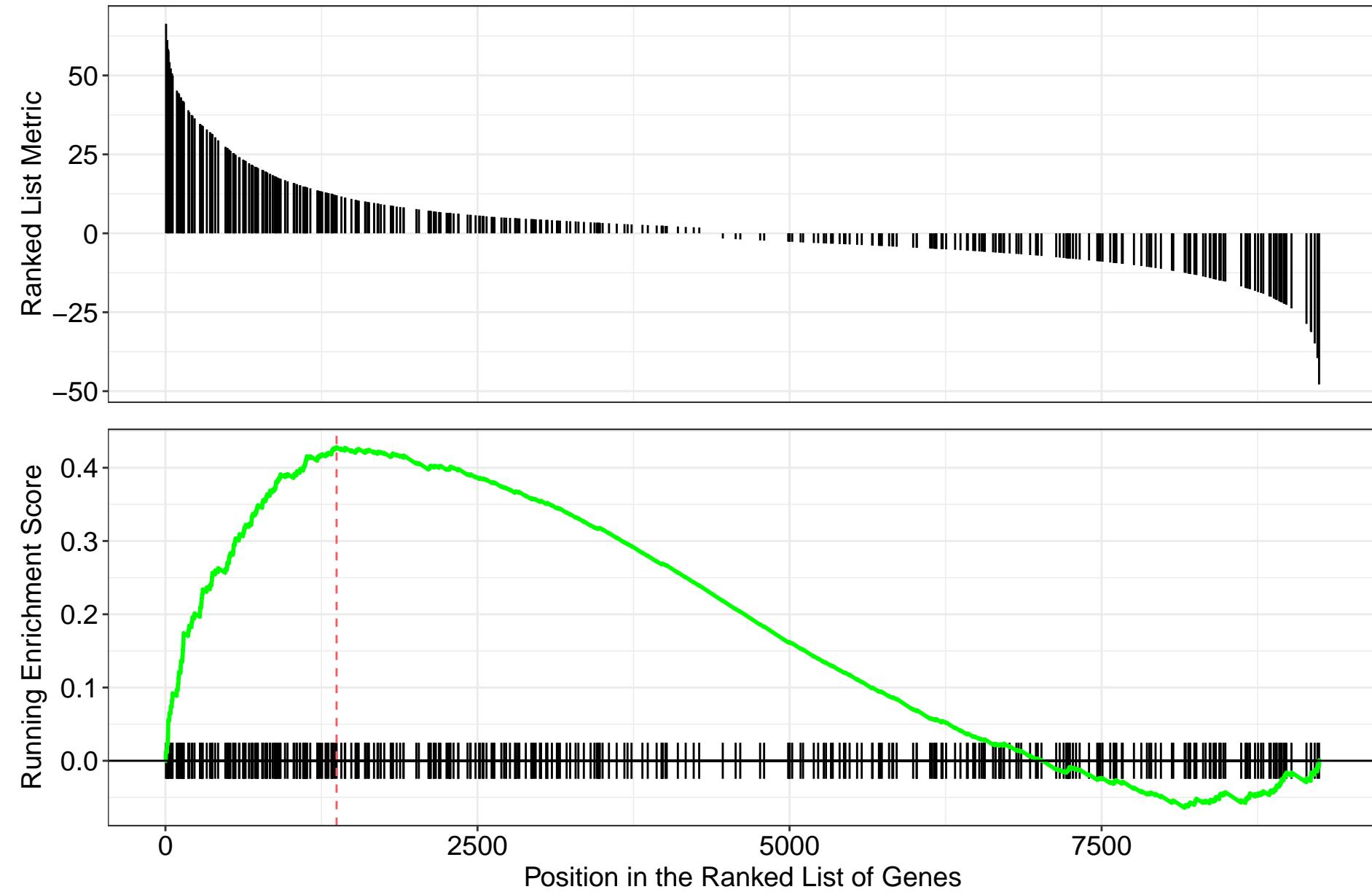
regulation of leukocyte activation



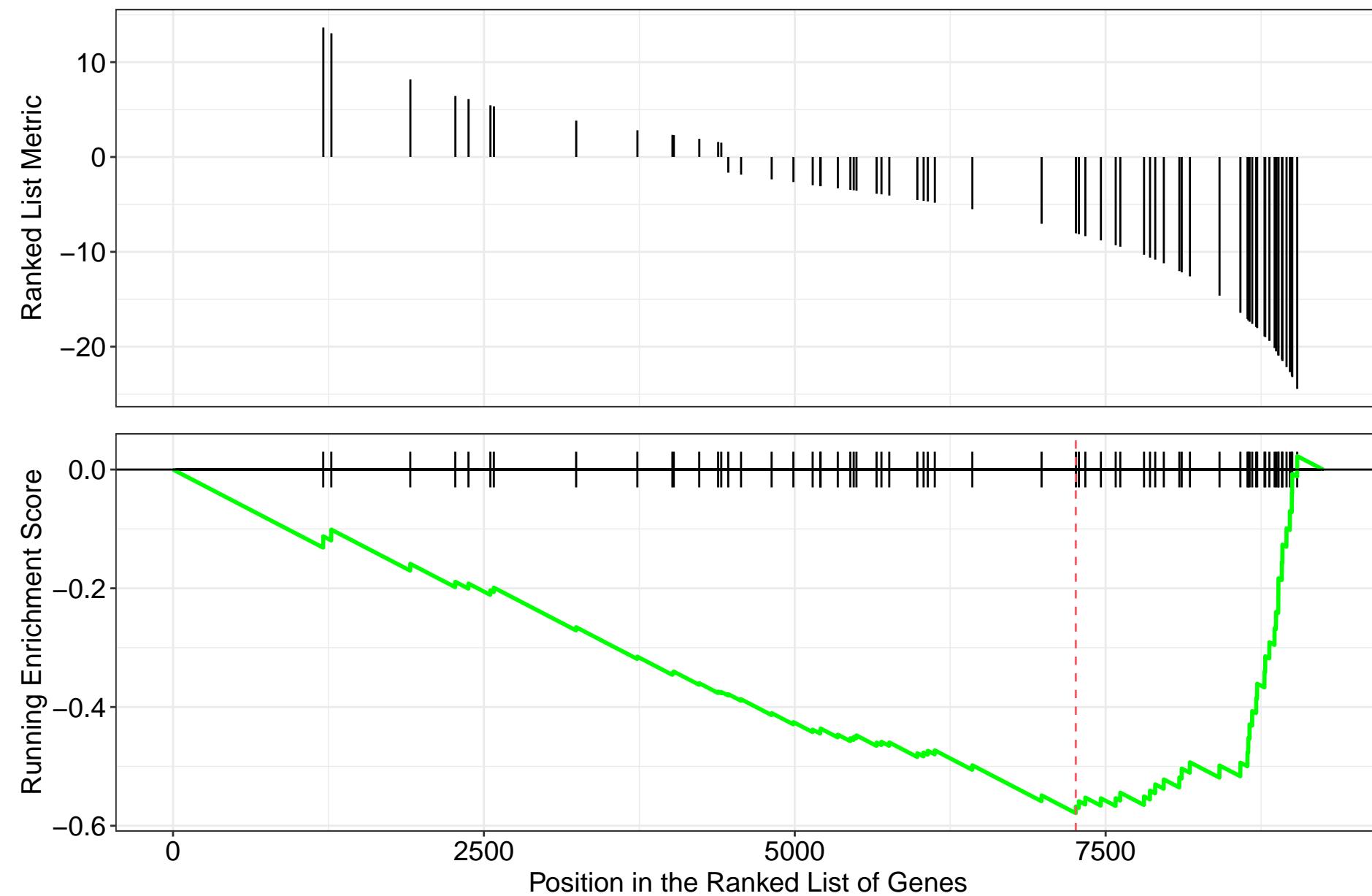
negative regulation of cytokine production



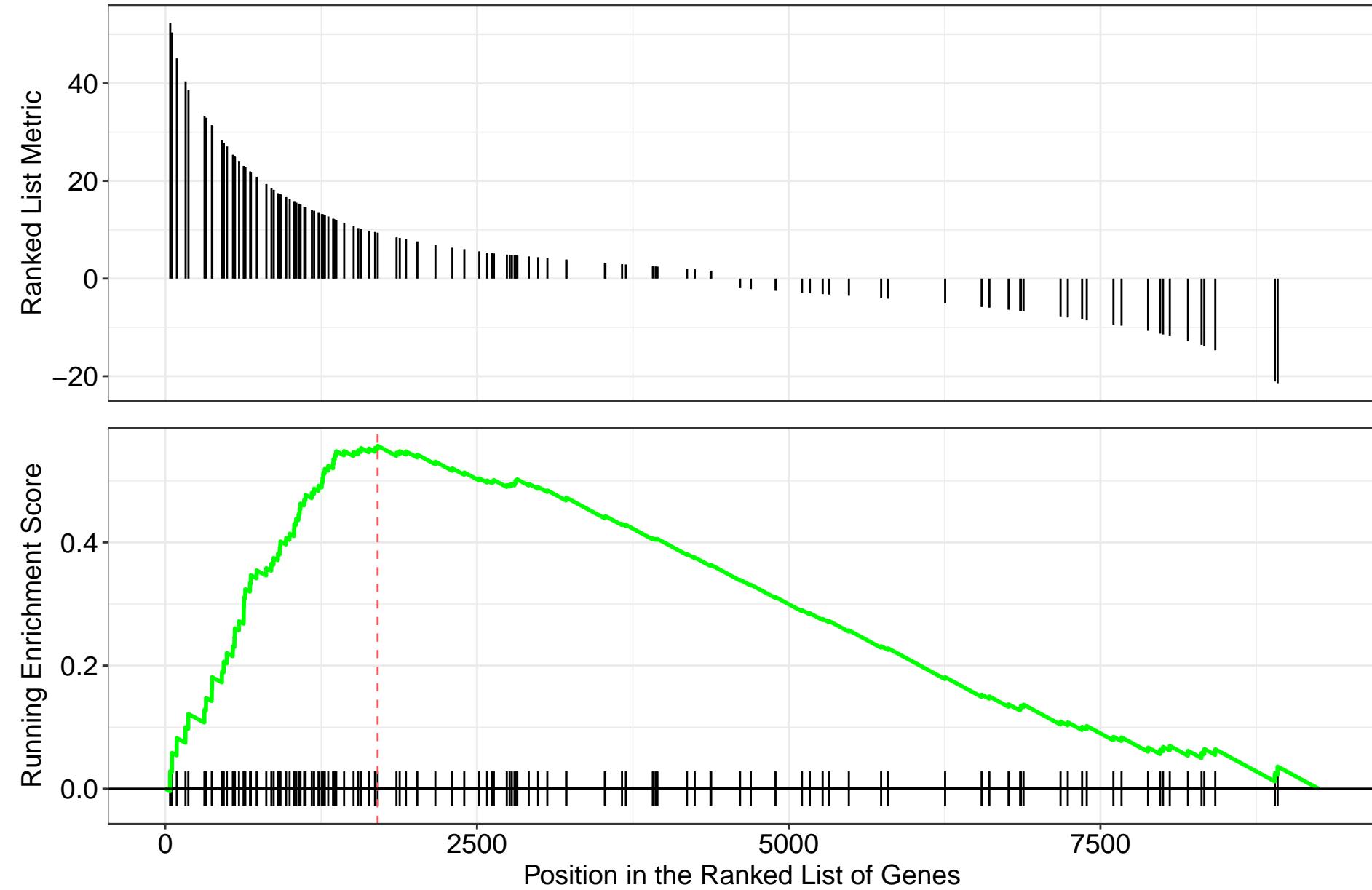
regulation of cell activation



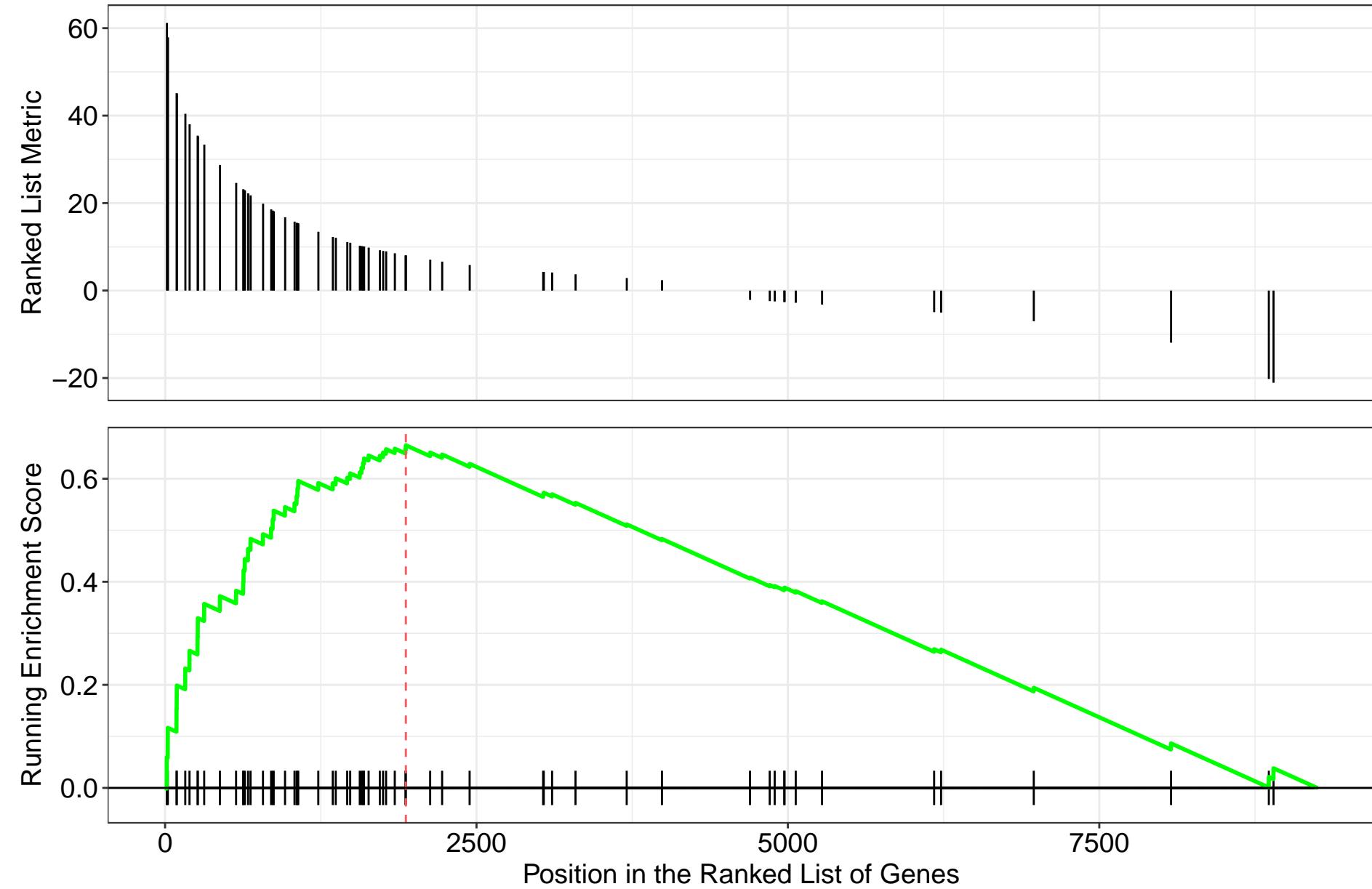
regulation of chromosome separation



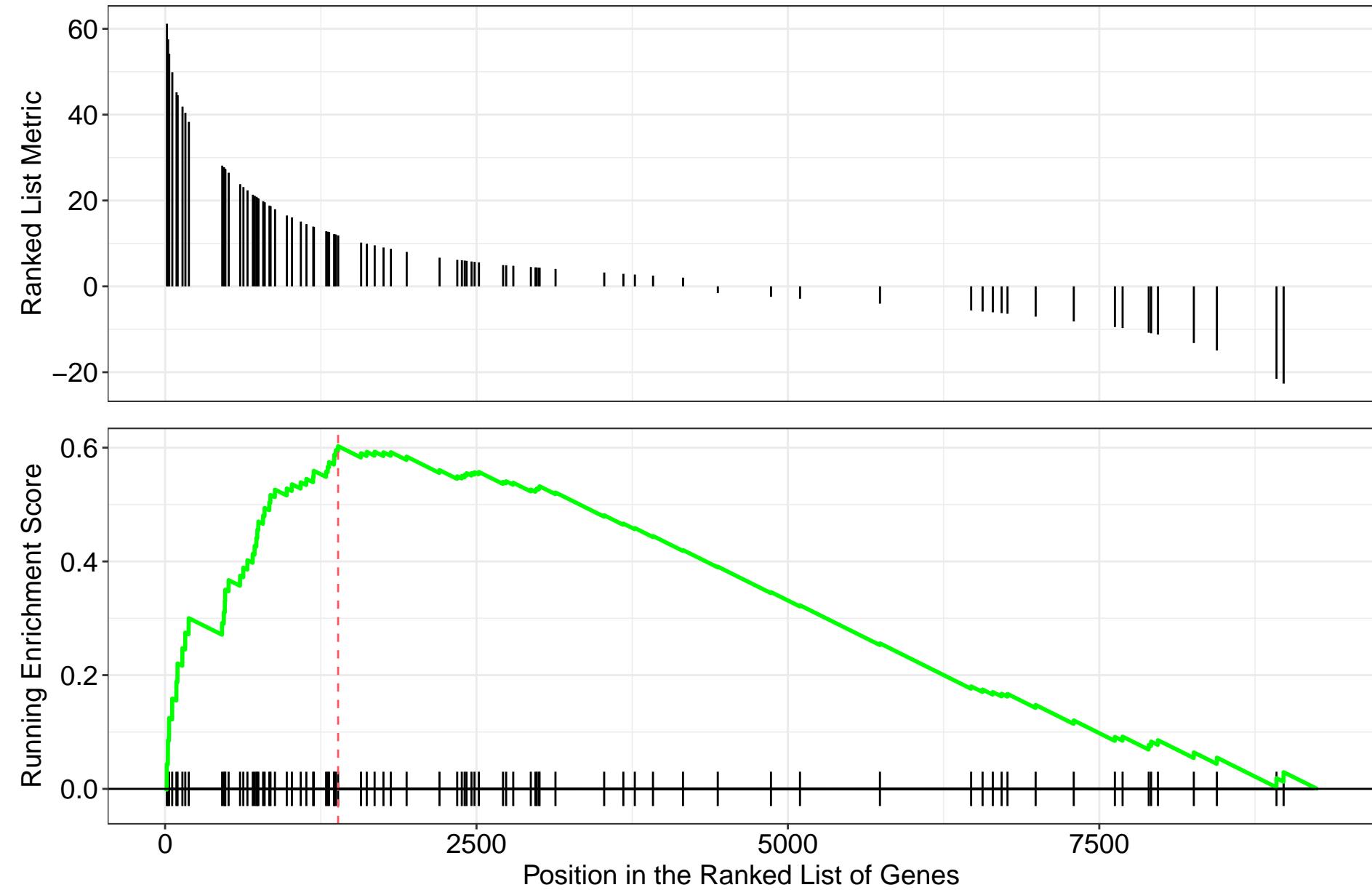
pattern recognition receptor signaling pathway



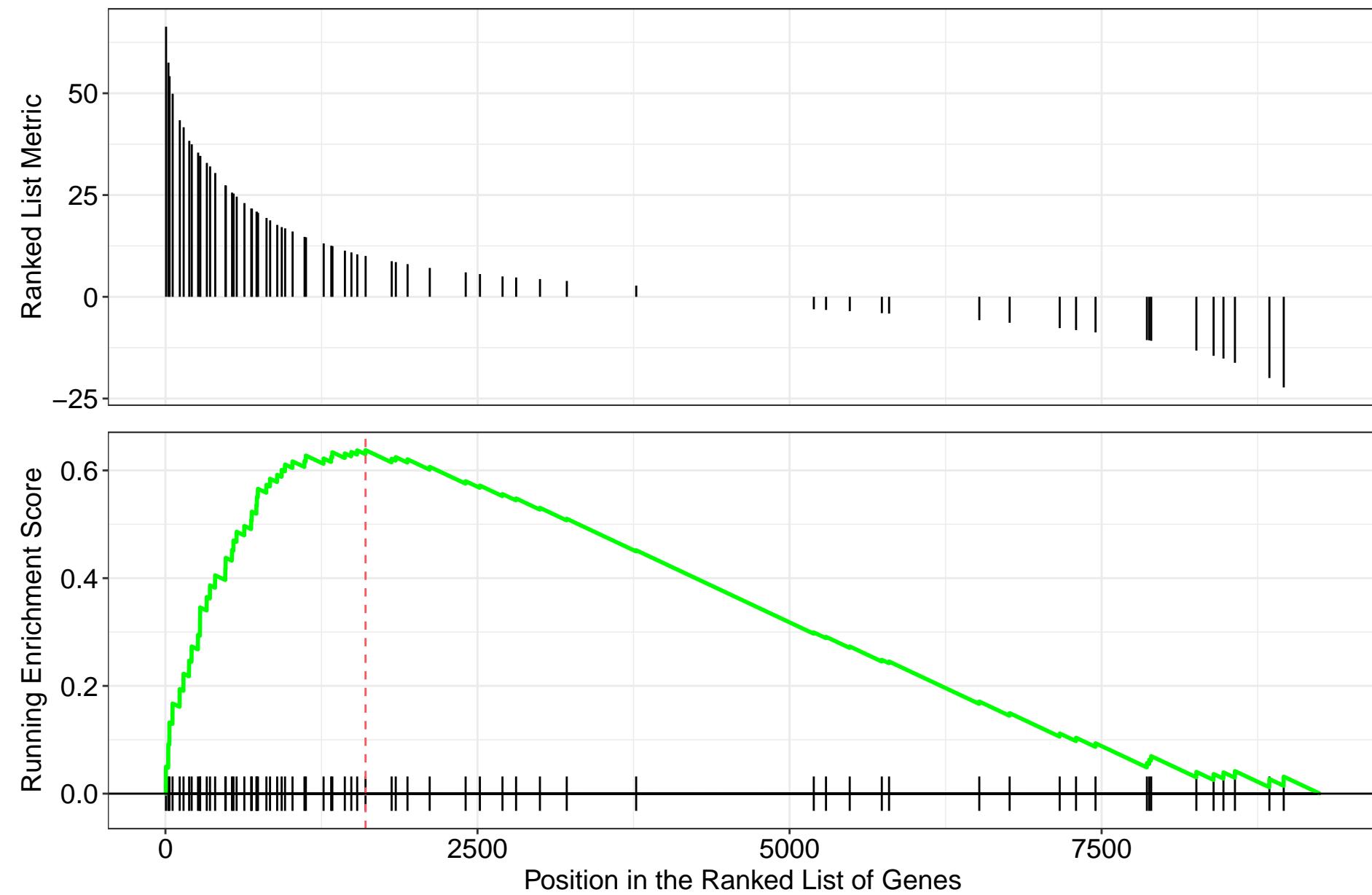
regulation of viral genome replication



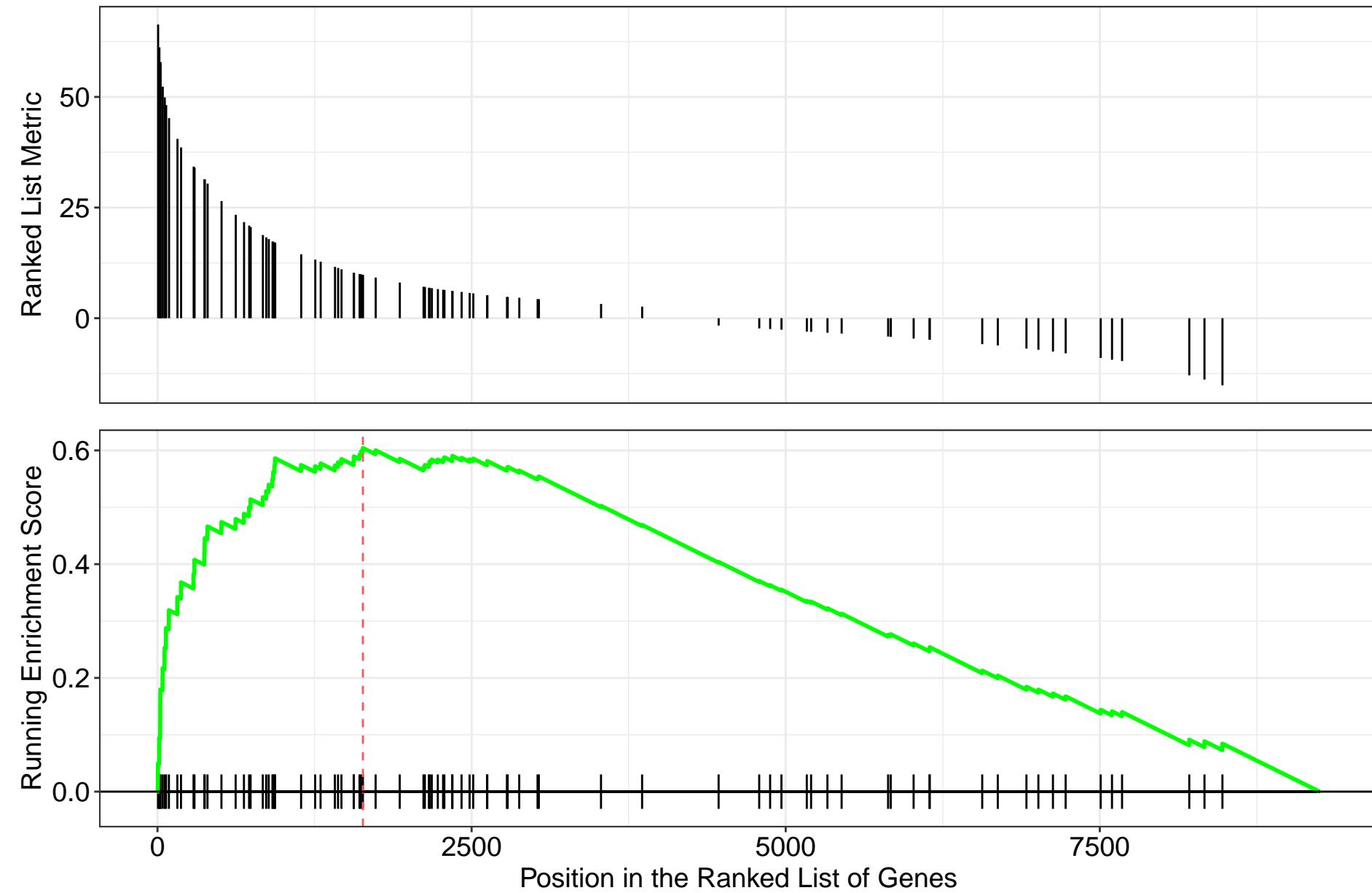
T cell mediated immunity



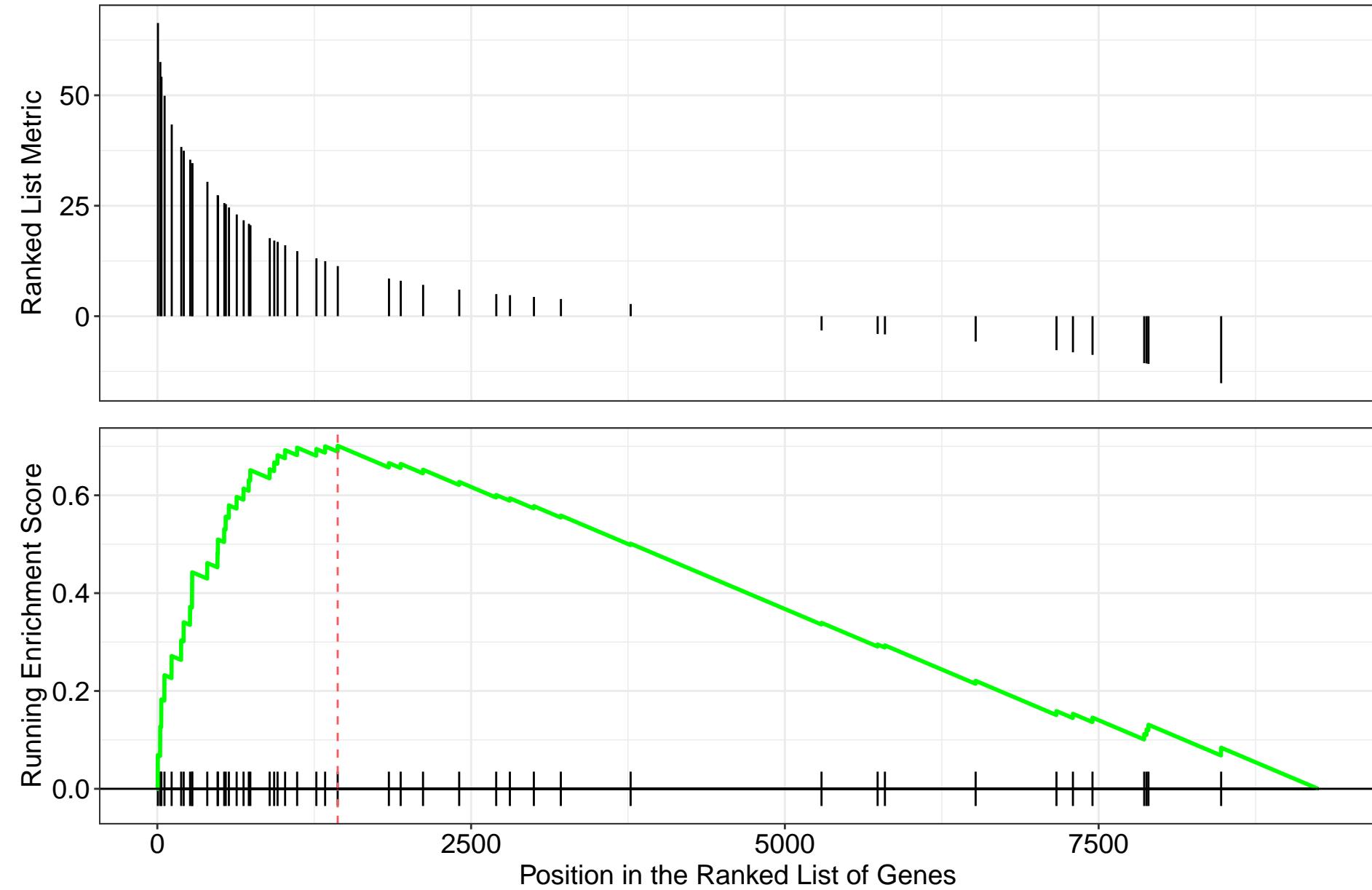
regulation of interferon-gamma production



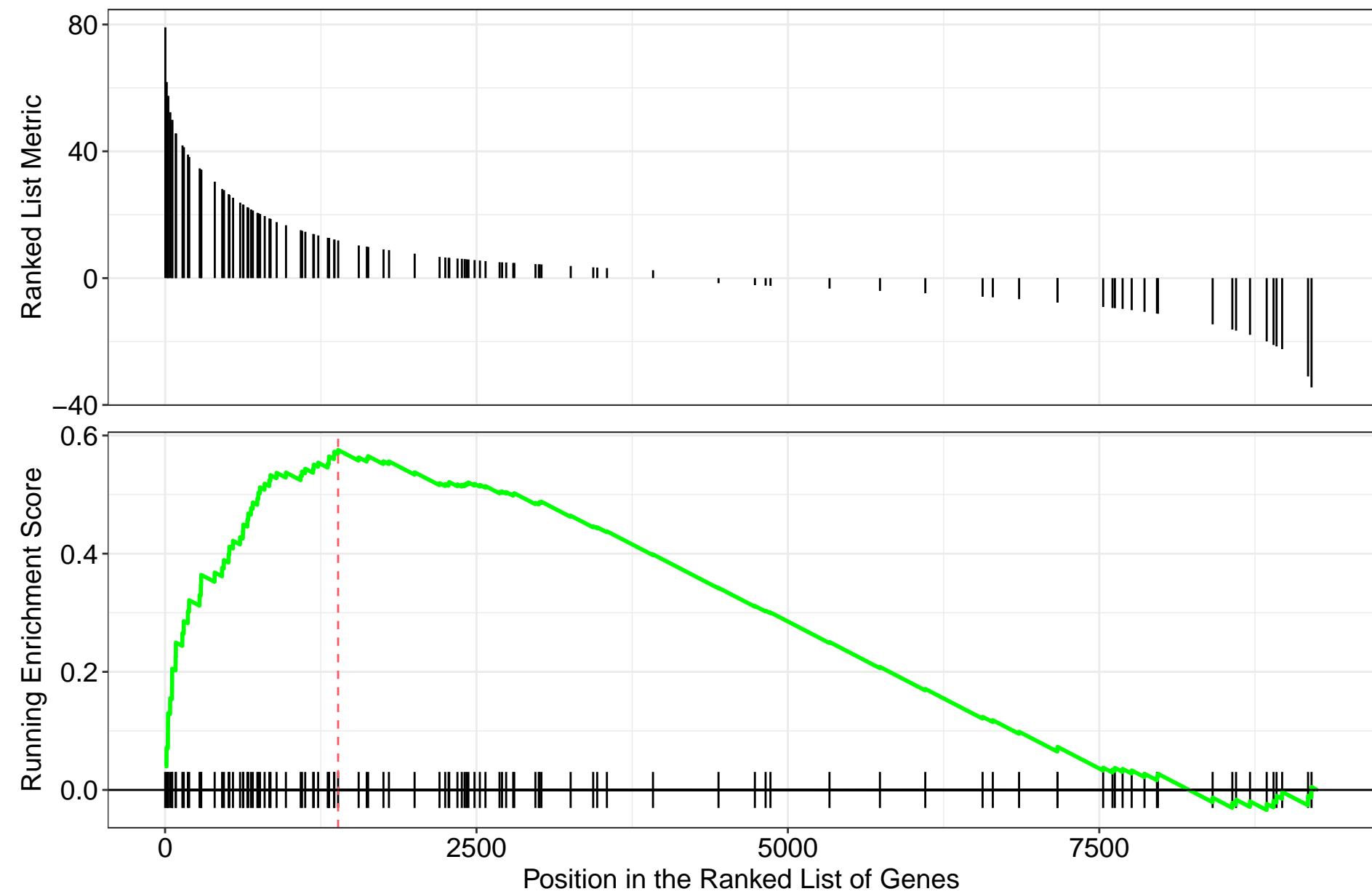
receptor signaling pathway via JAK–STAT



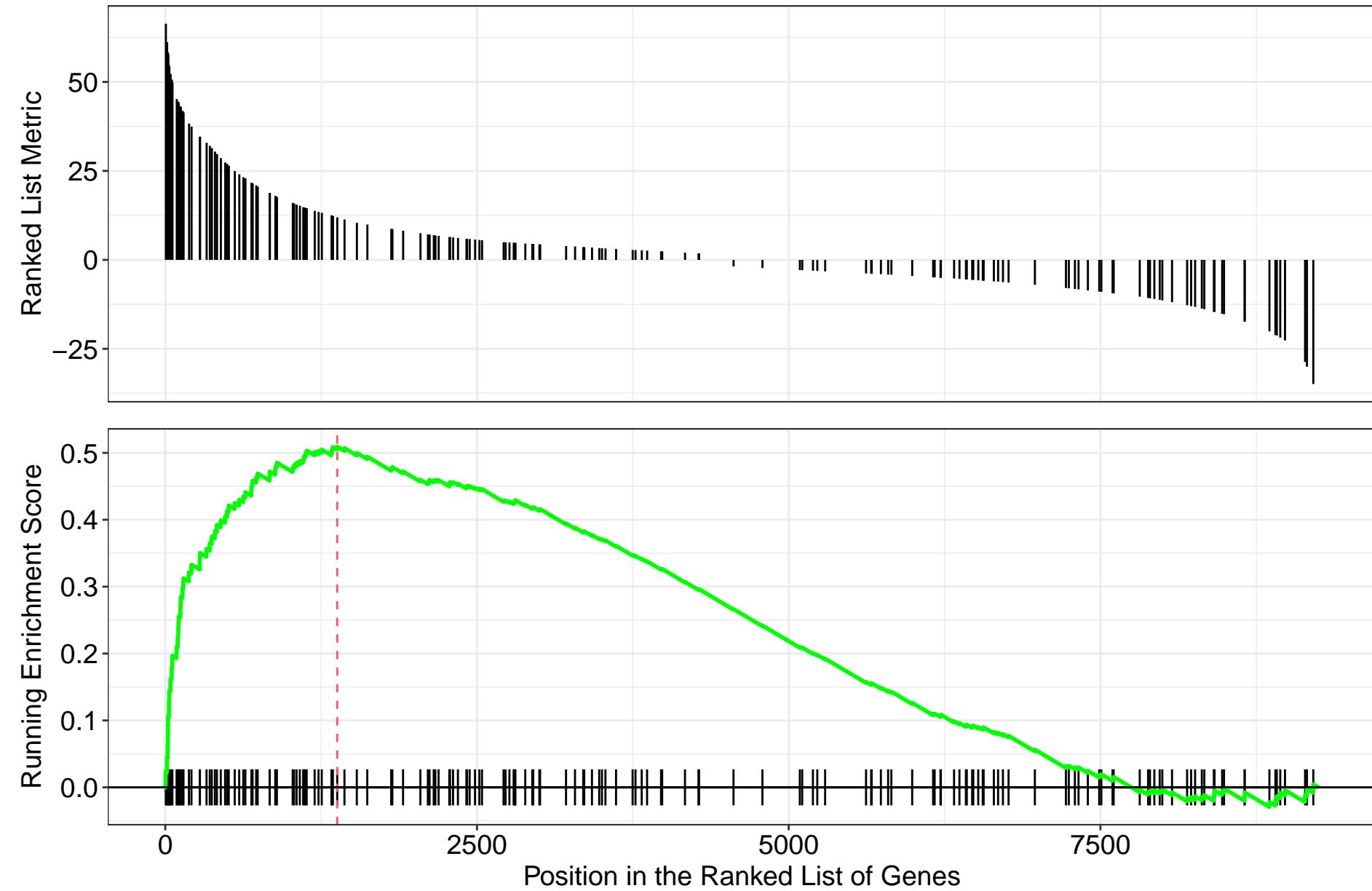
positive regulation of interferon-gamma production



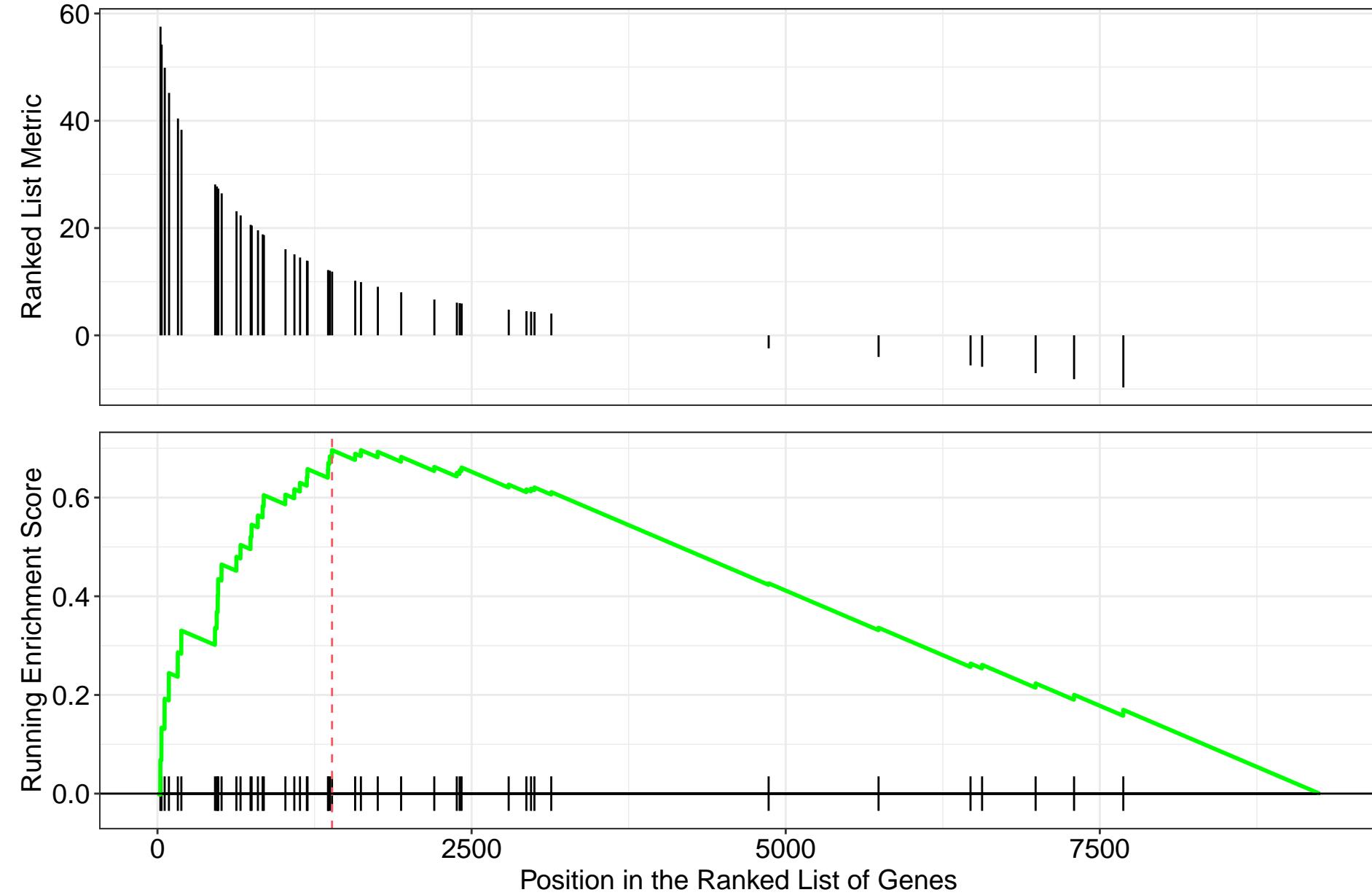
cell killing



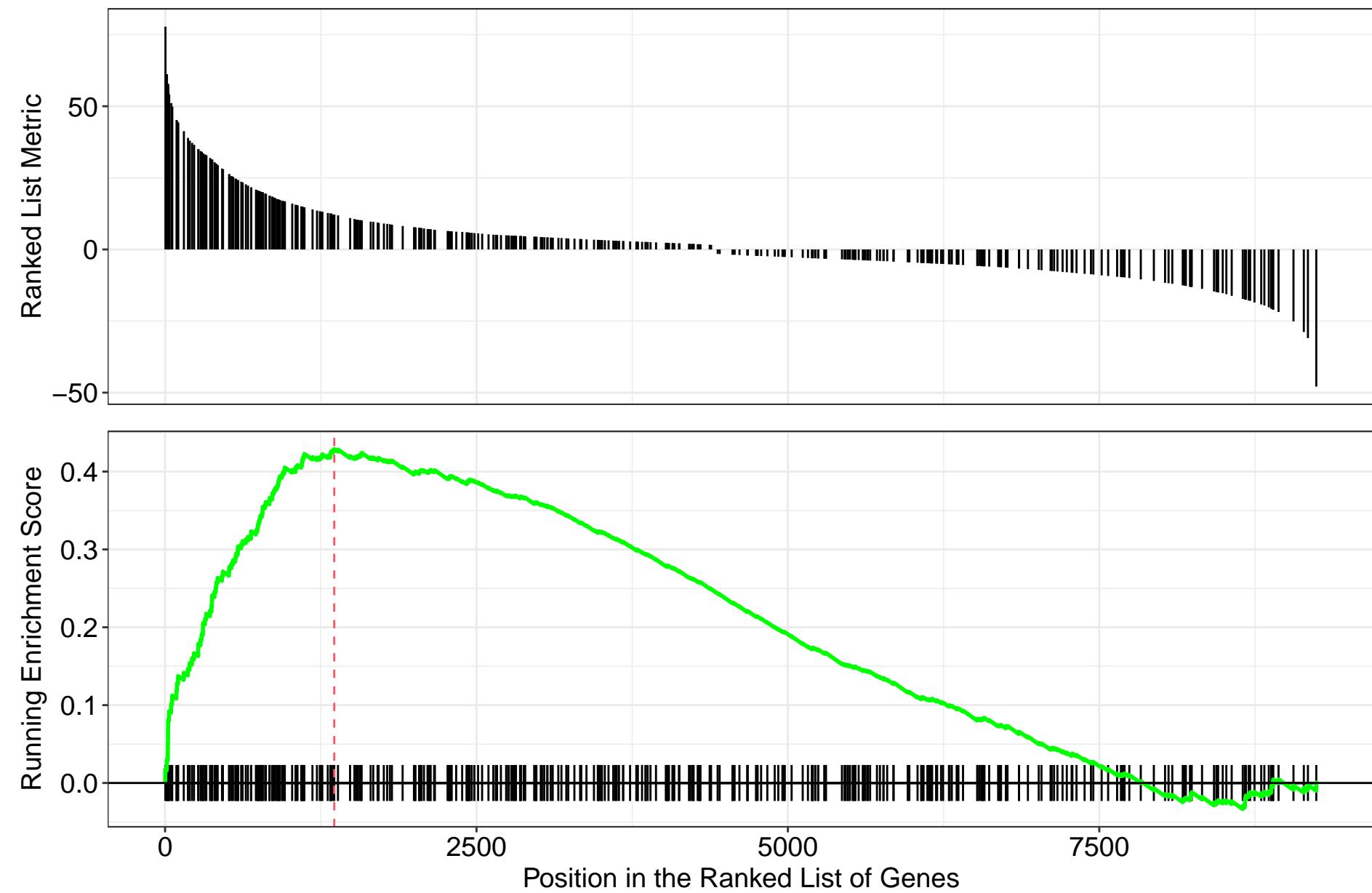
mononuclear cell proliferation



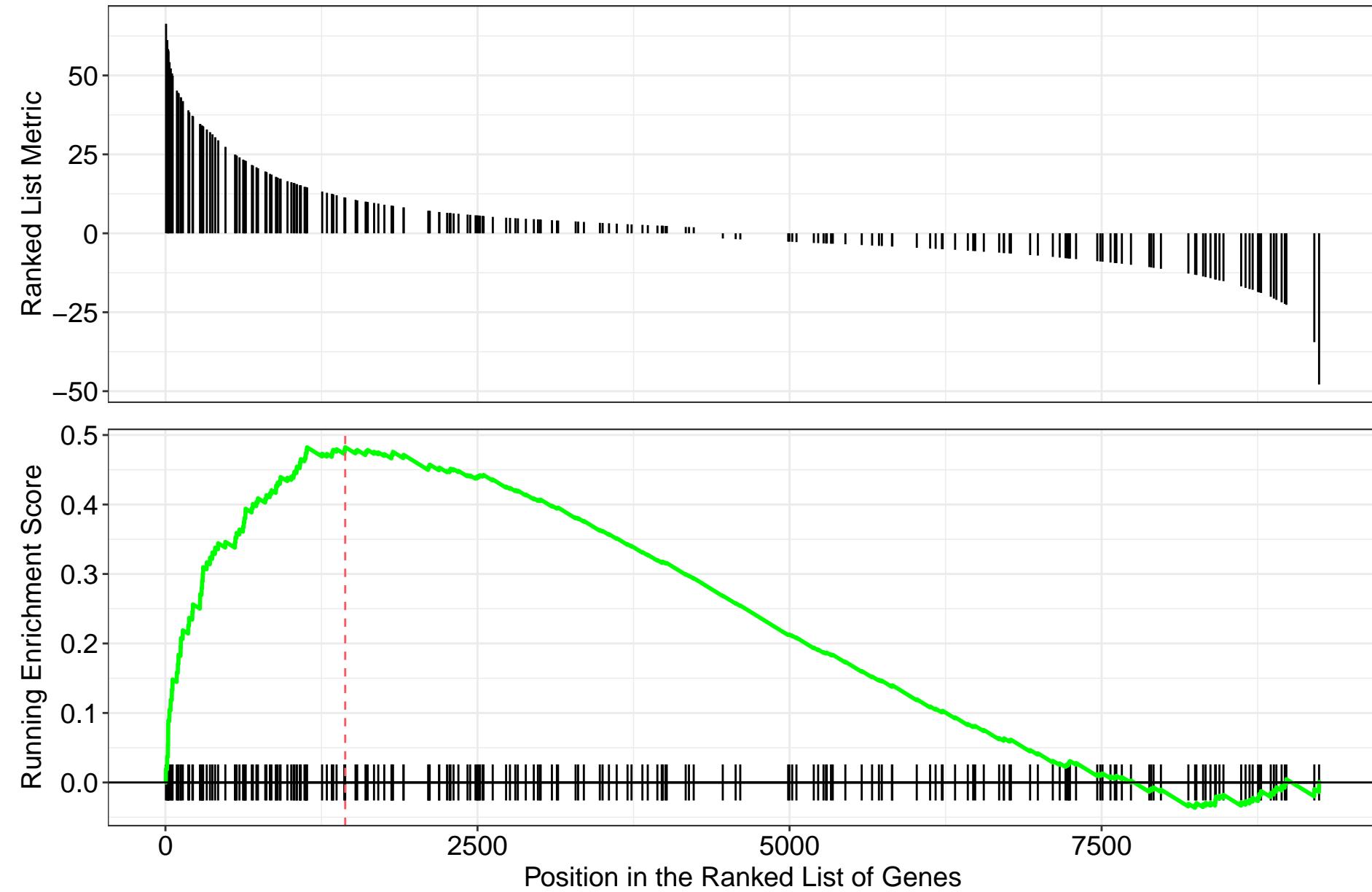
positive regulation of T cell mediated immunity



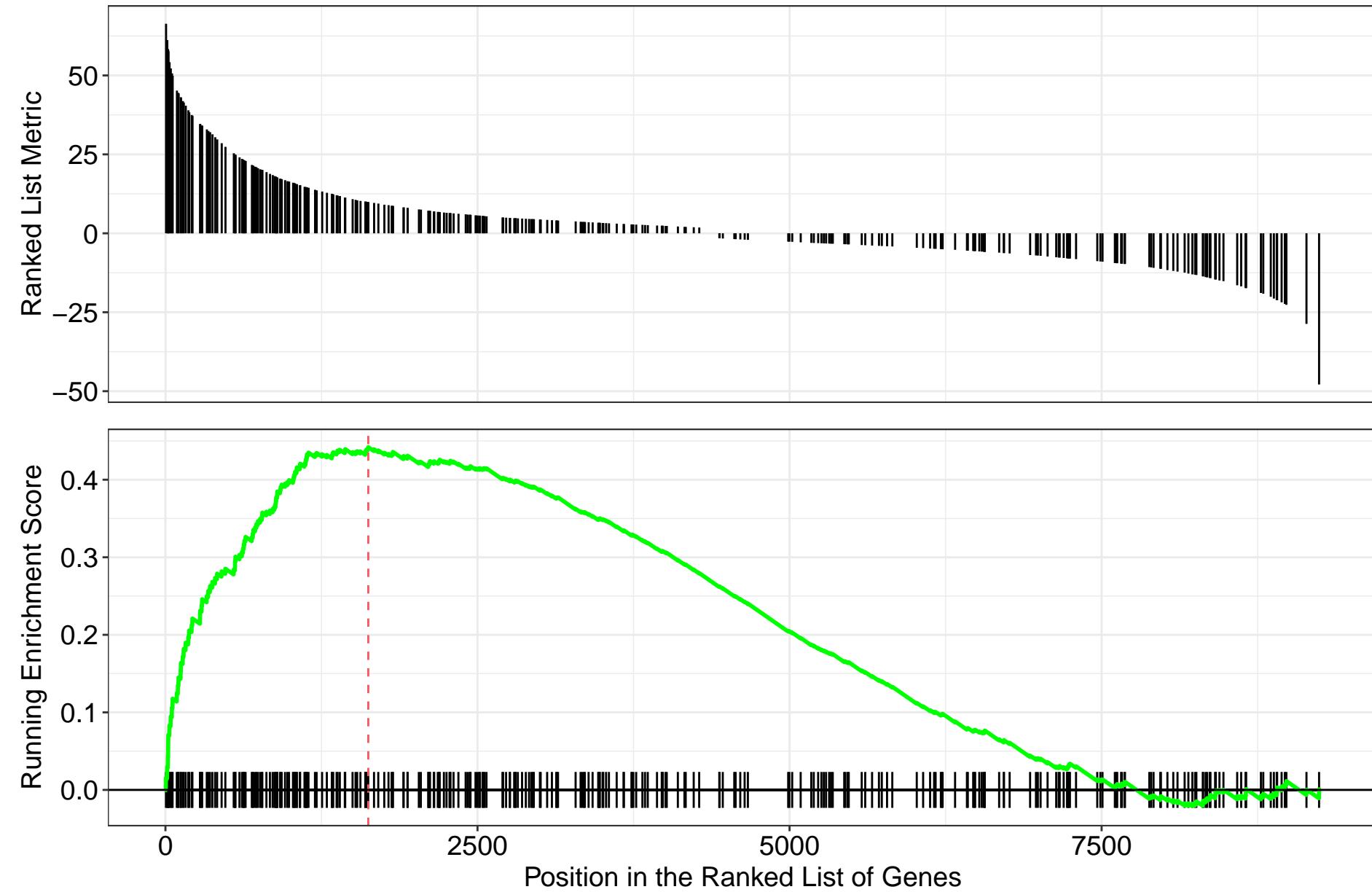
positive regulation of cell death



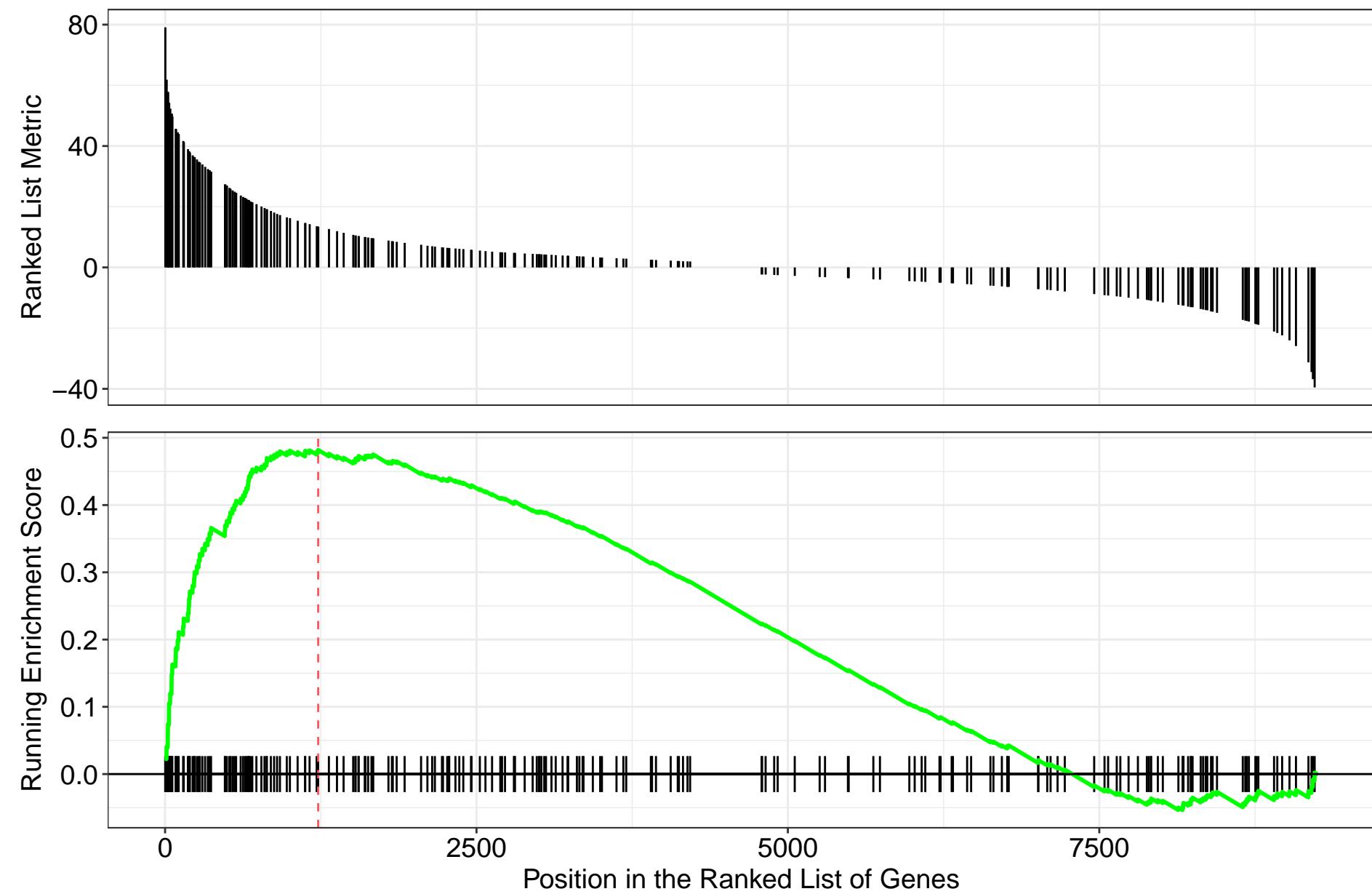
leukocyte cell–cell adhesion



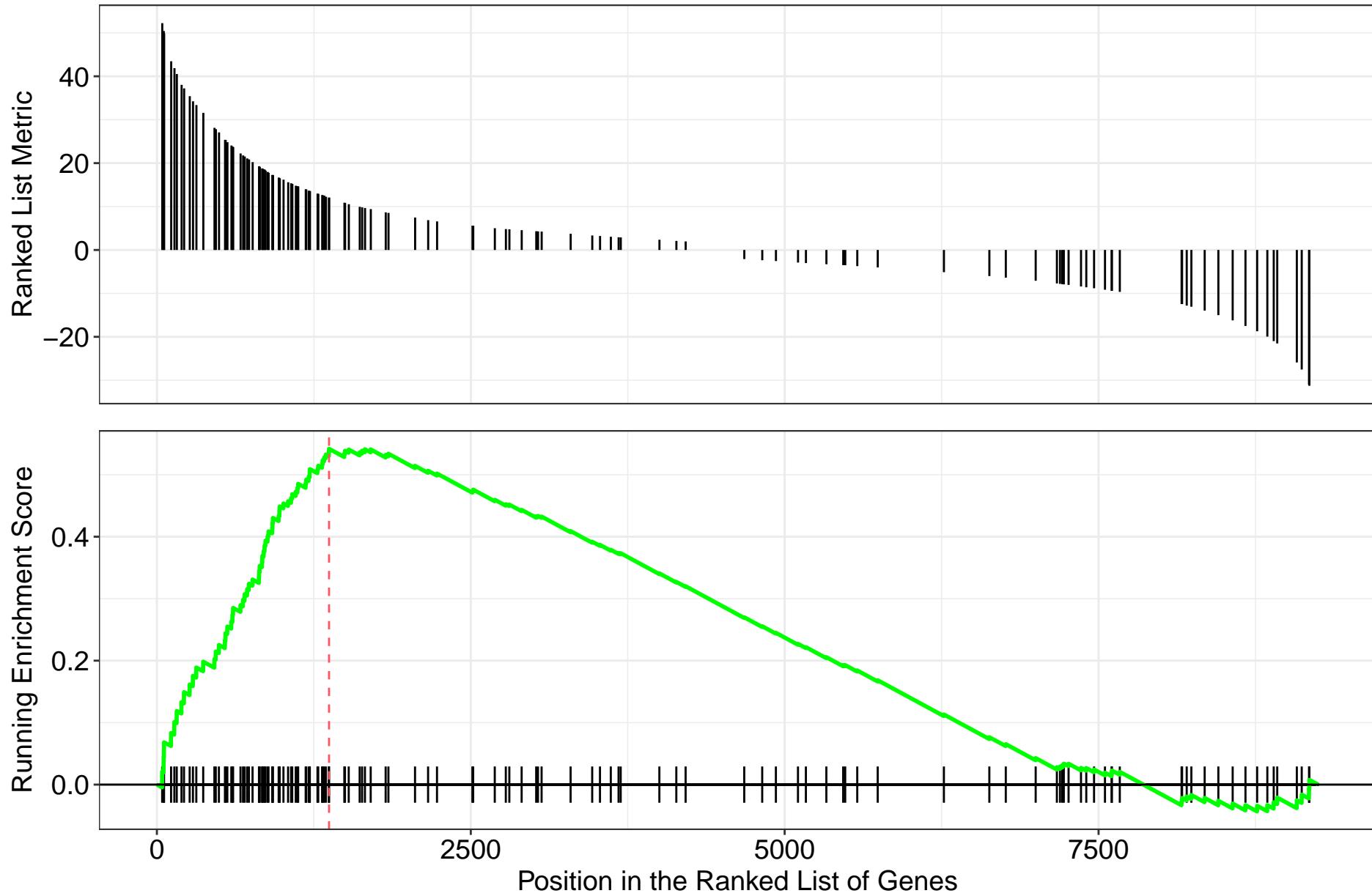
T cell activation



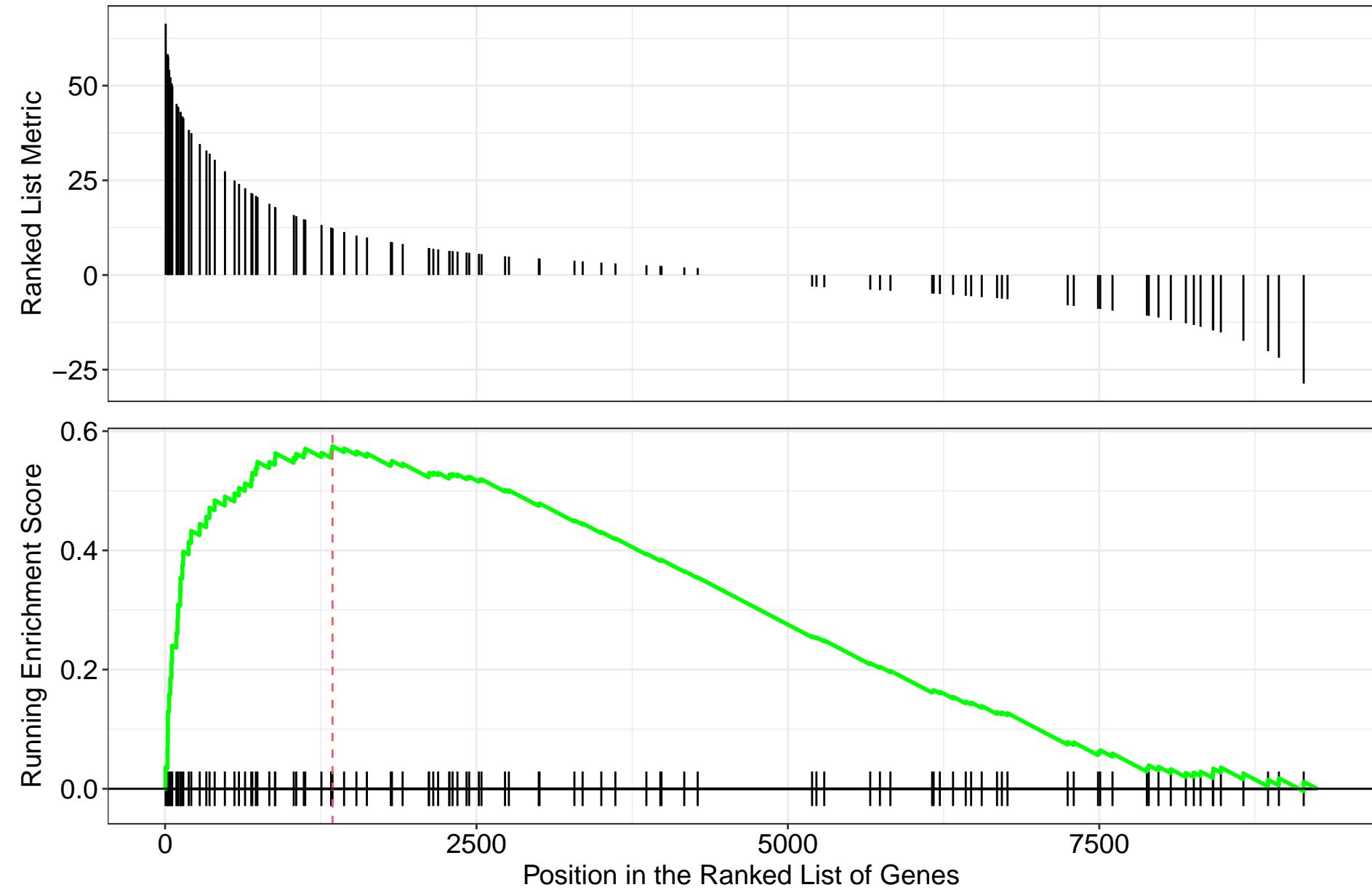
leukocyte migration



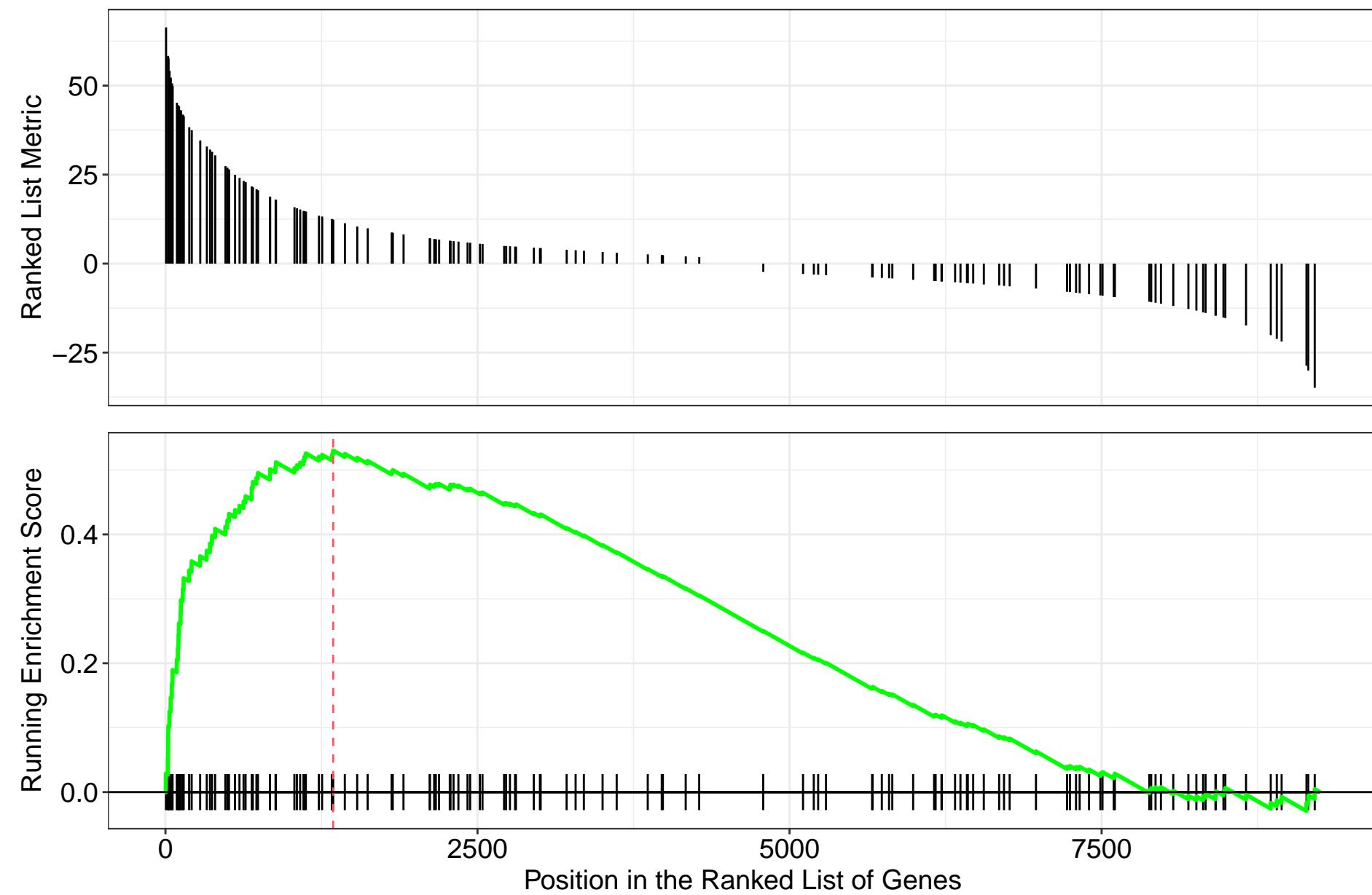
negative regulation of defense response



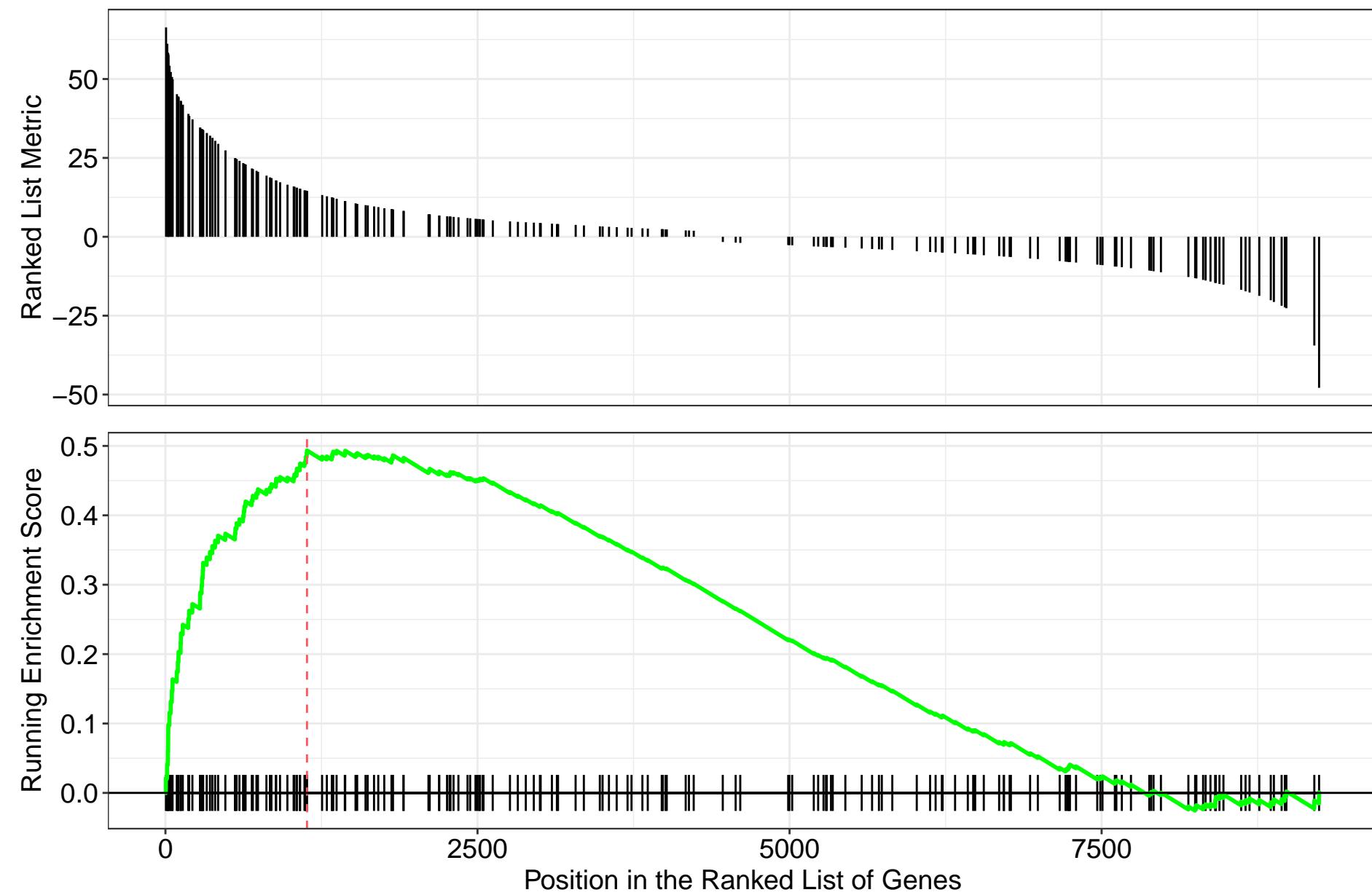
regulation of T cell proliferation



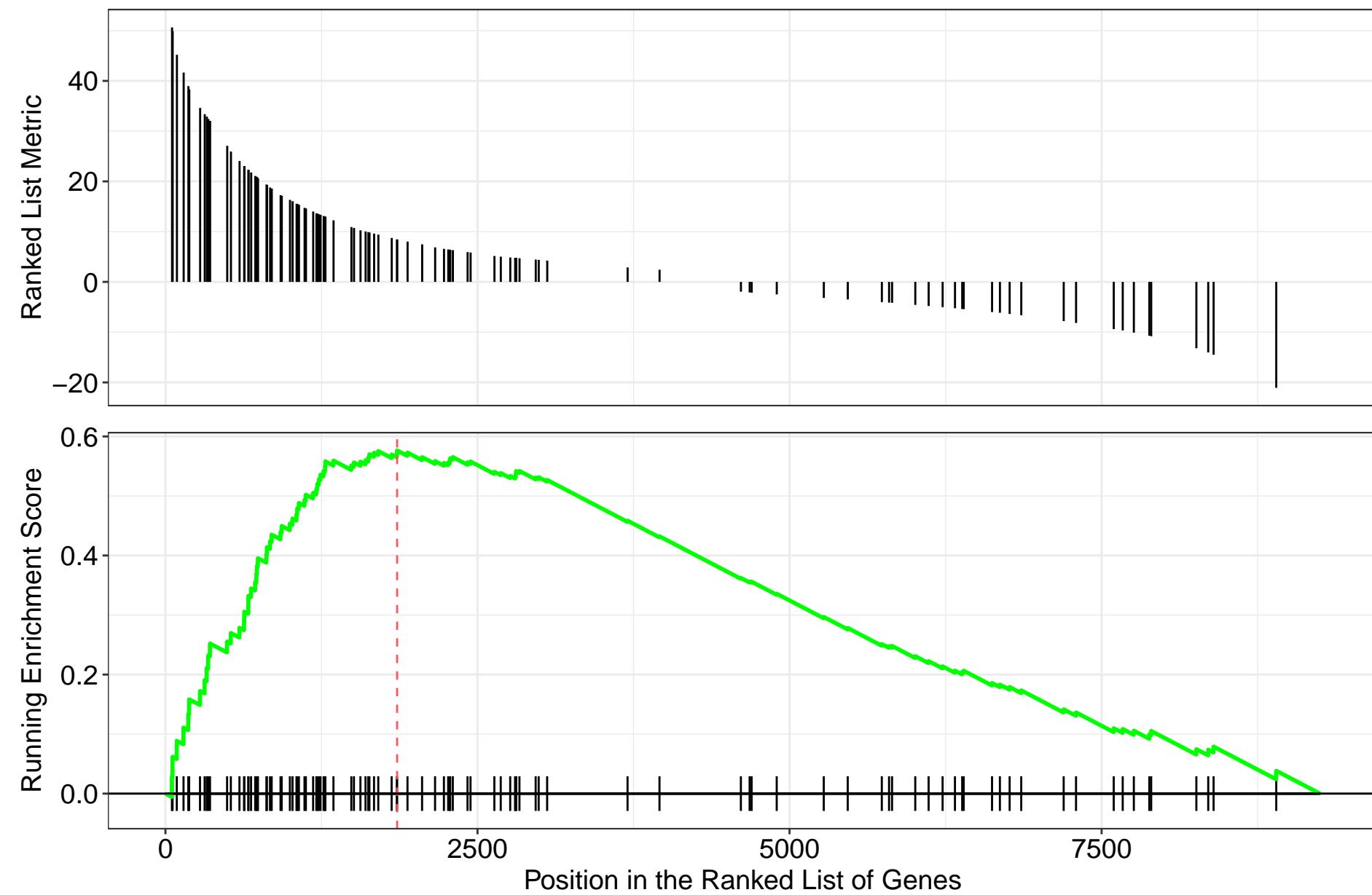
regulation of mononuclear cell proliferation



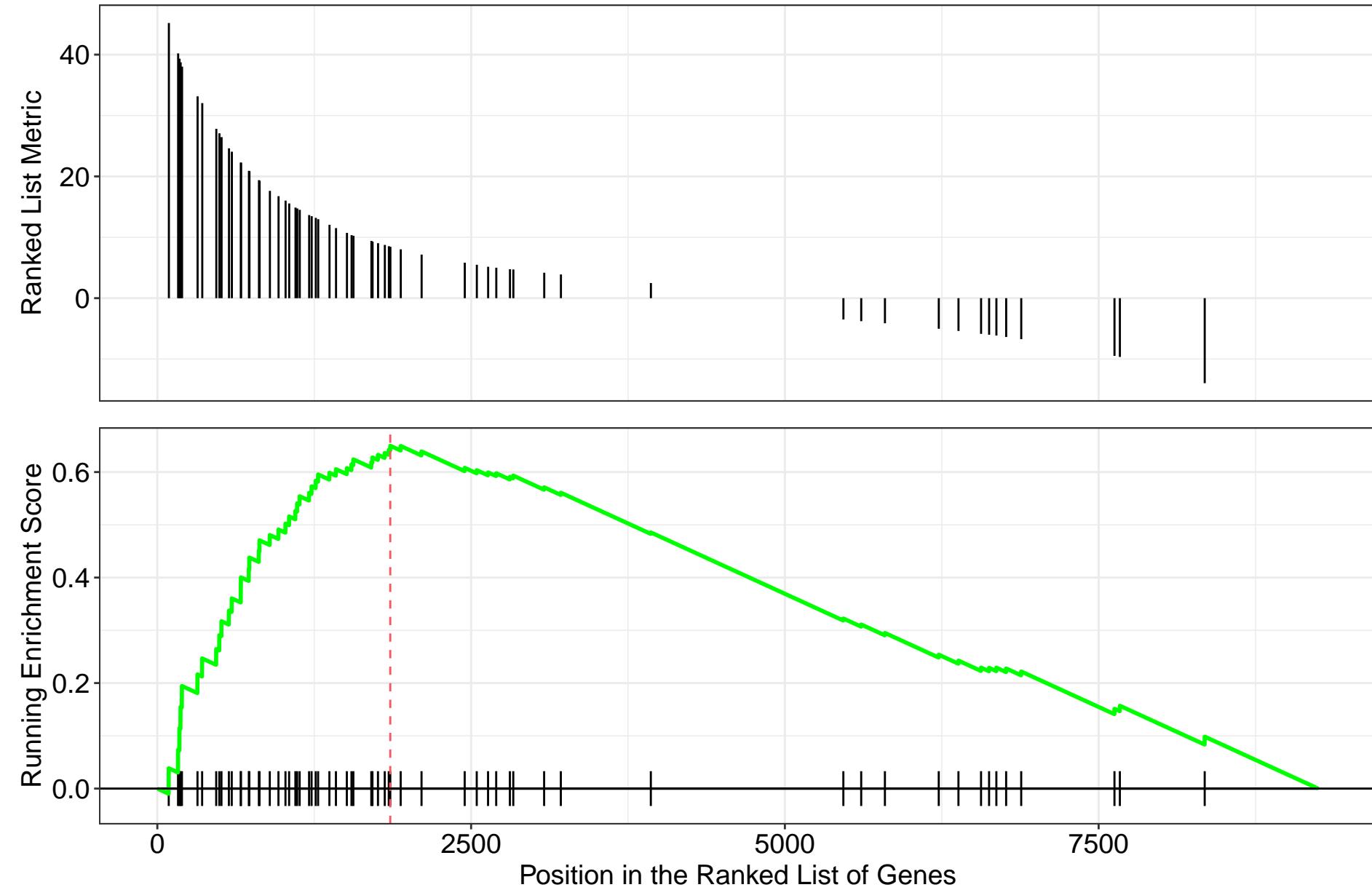
regulation of leukocyte cell–cell adhesion



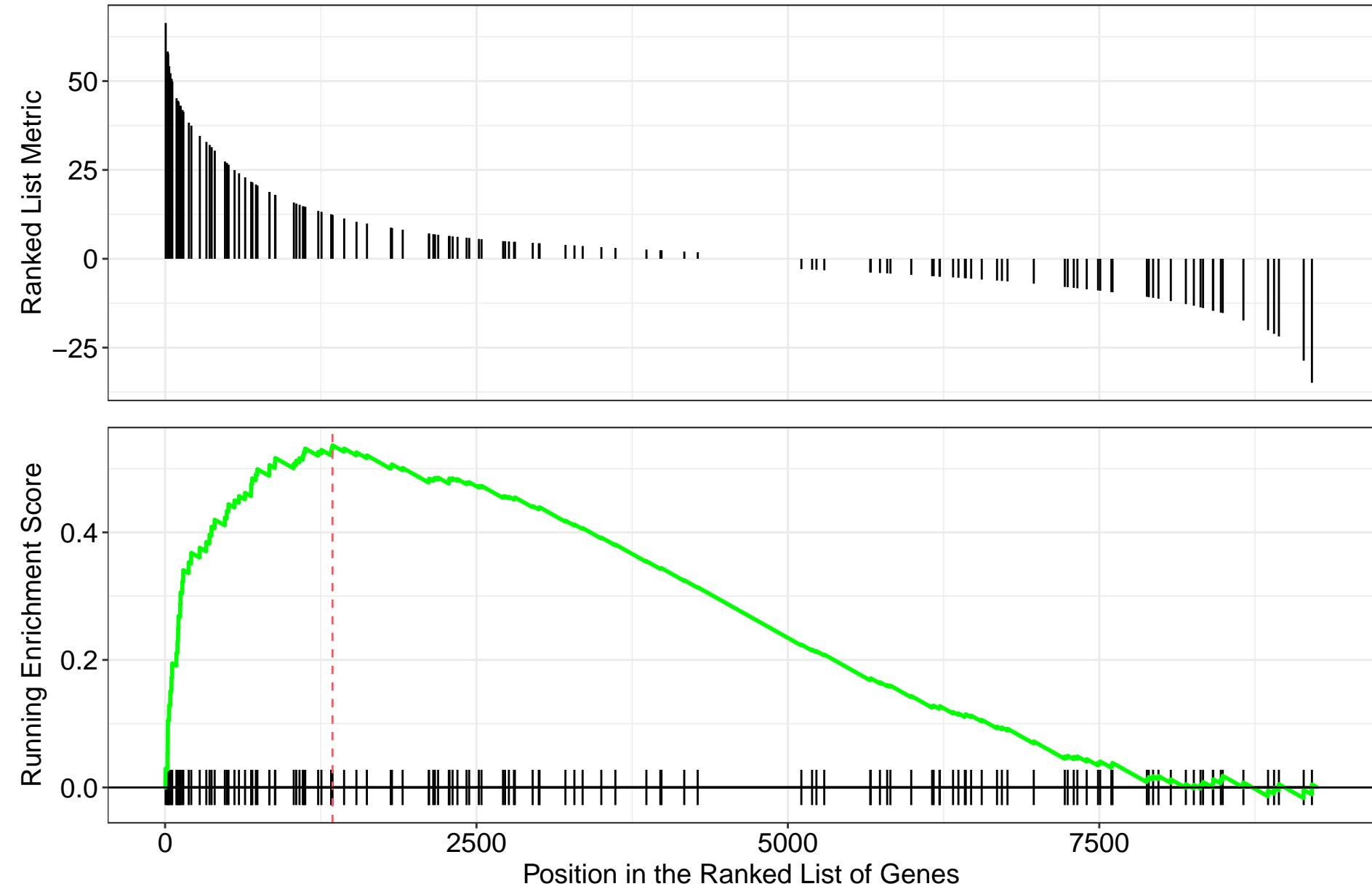
regulation of tumor necrosis factor superfamily cytokine production



regulation of interleukin–1 beta production

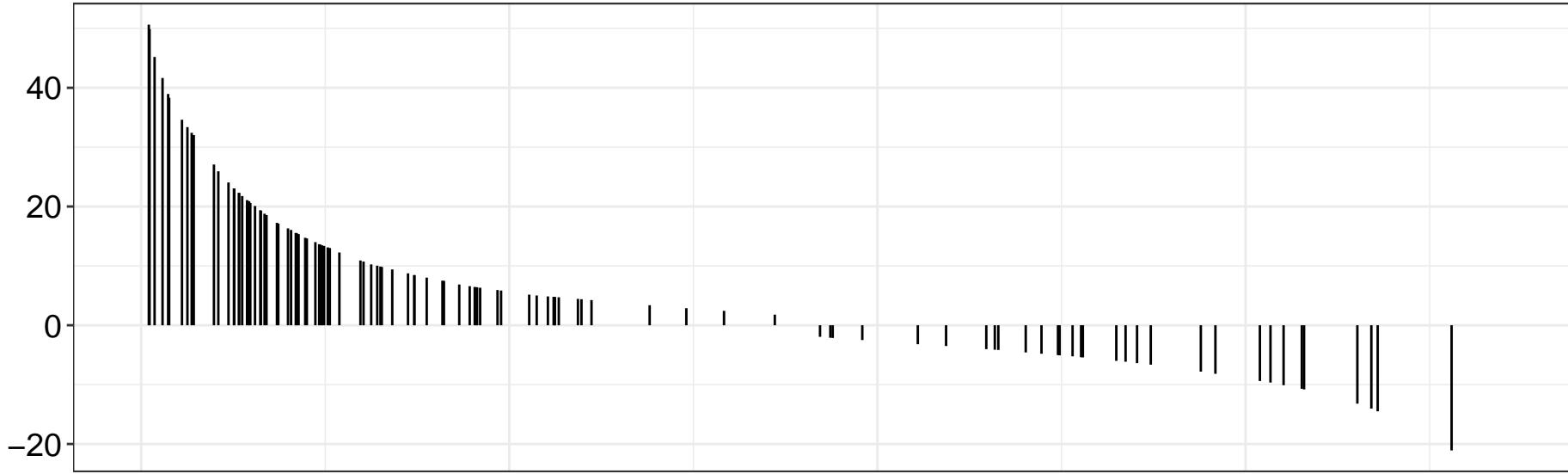


regulation of lymphocyte proliferation

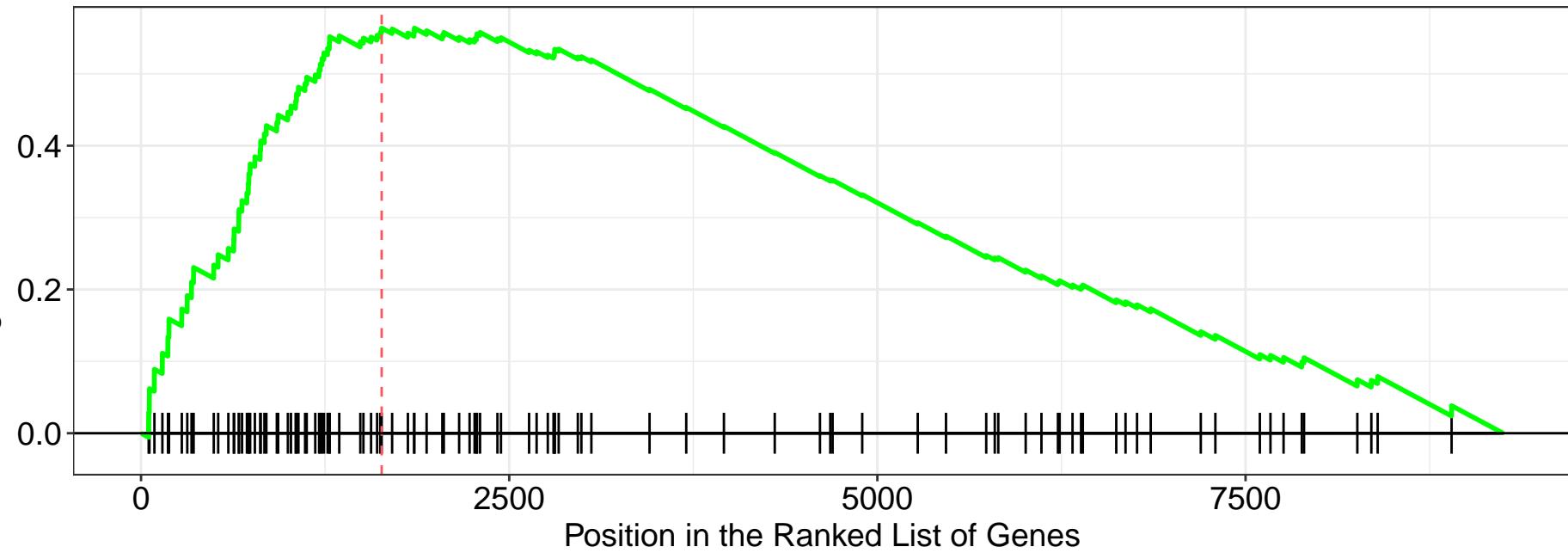


tumor necrosis factor production

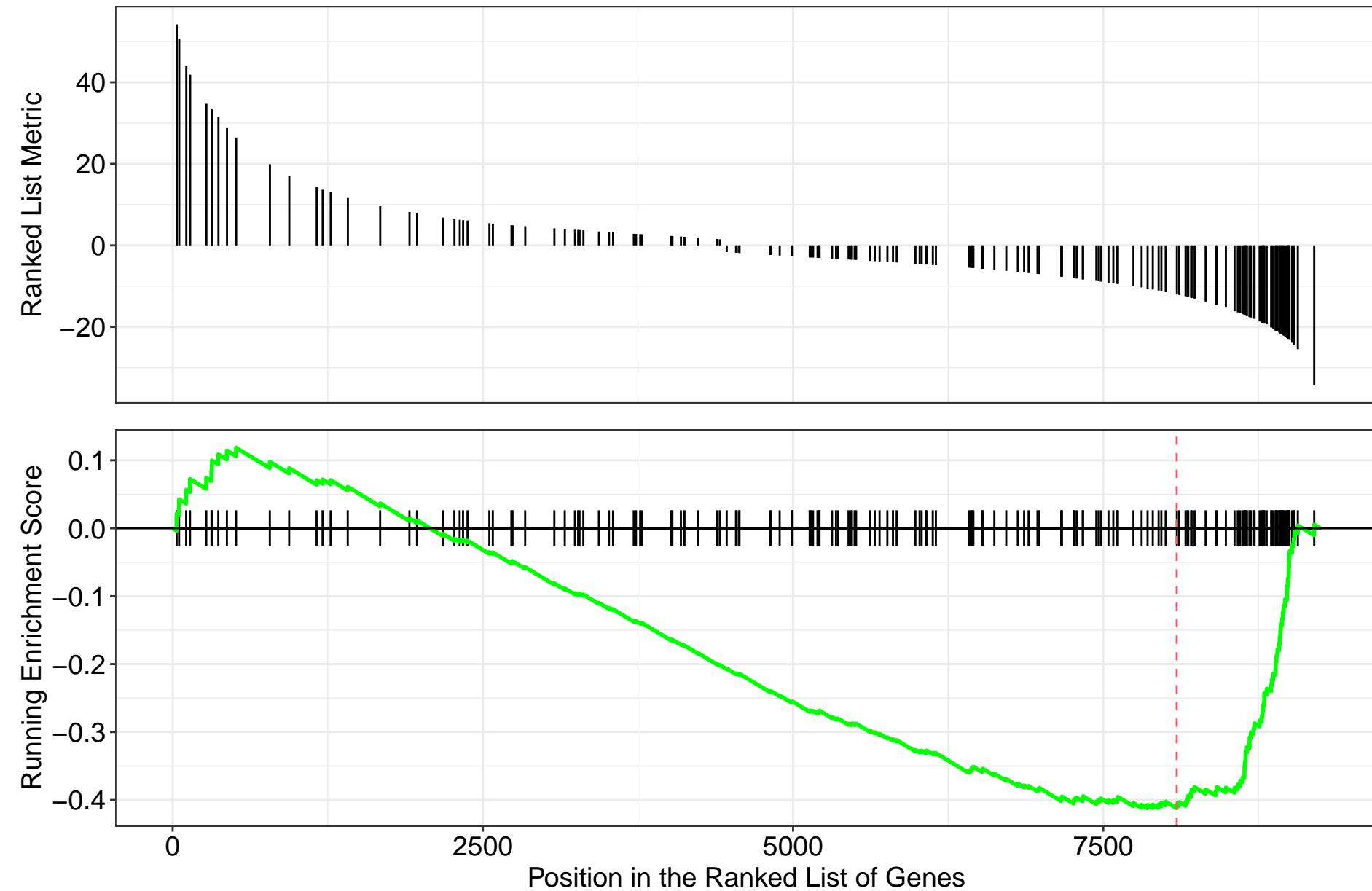
Ranked List Metric



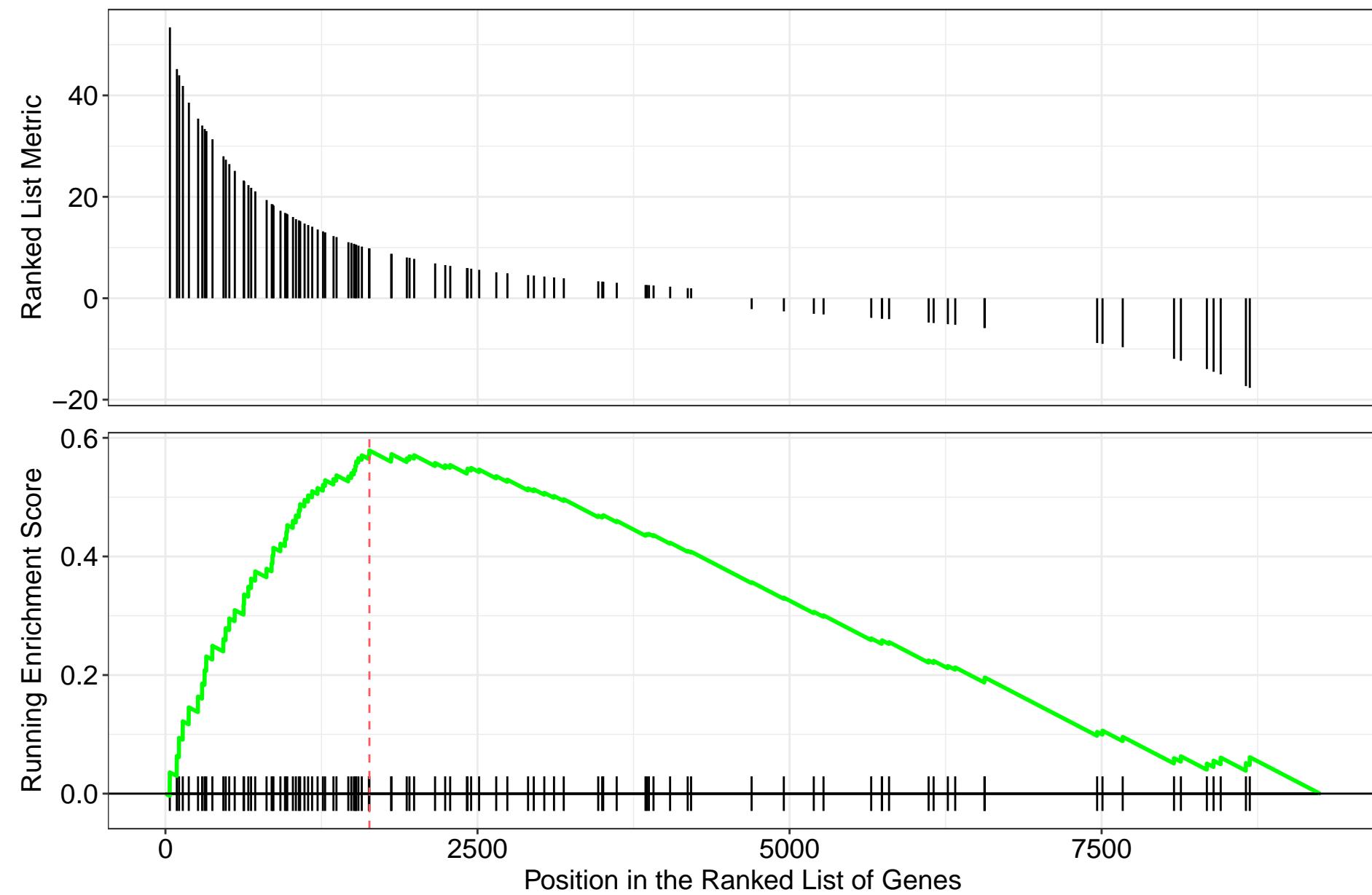
Running Enrichment Score



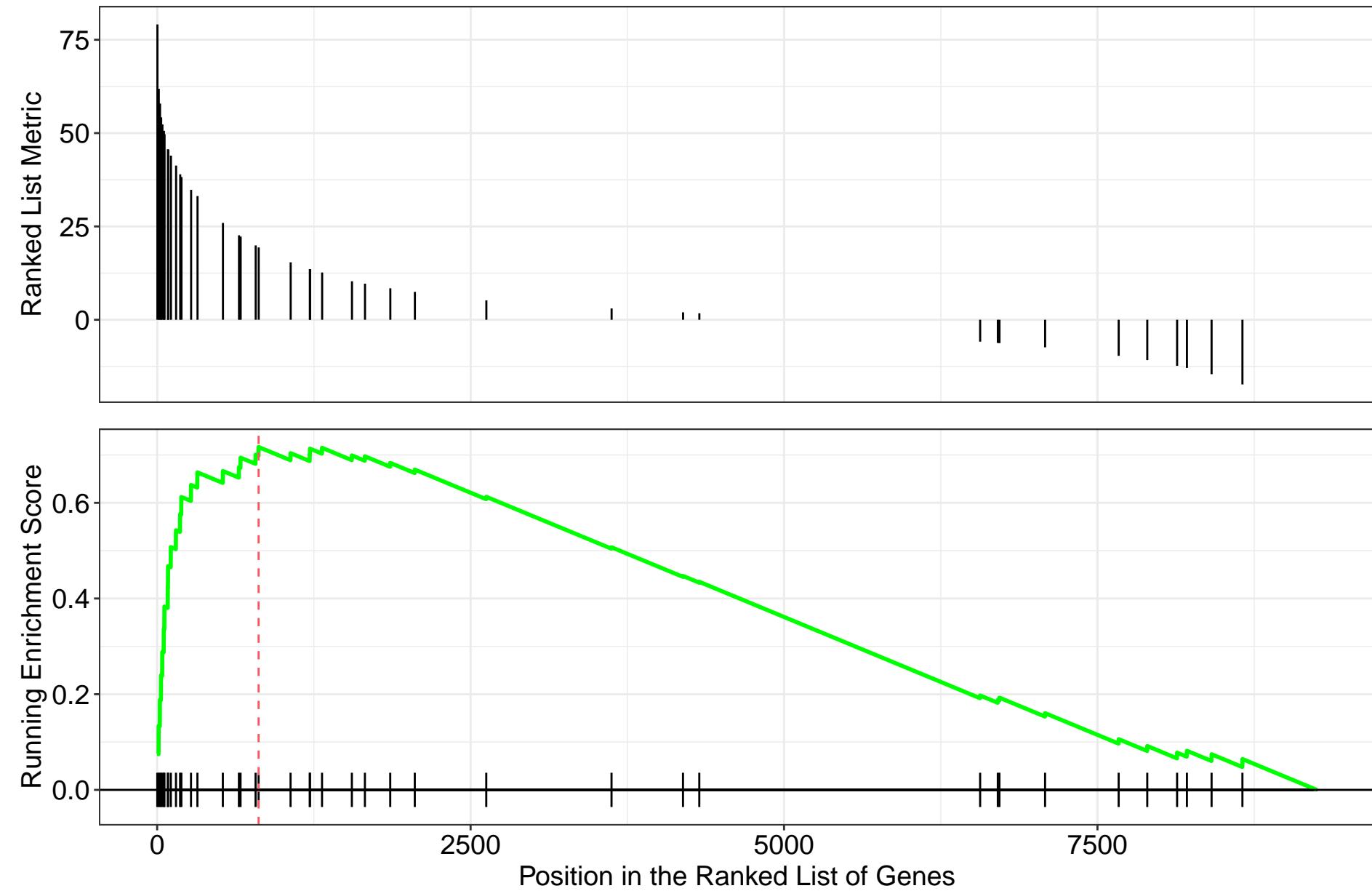
mitotic nuclear division



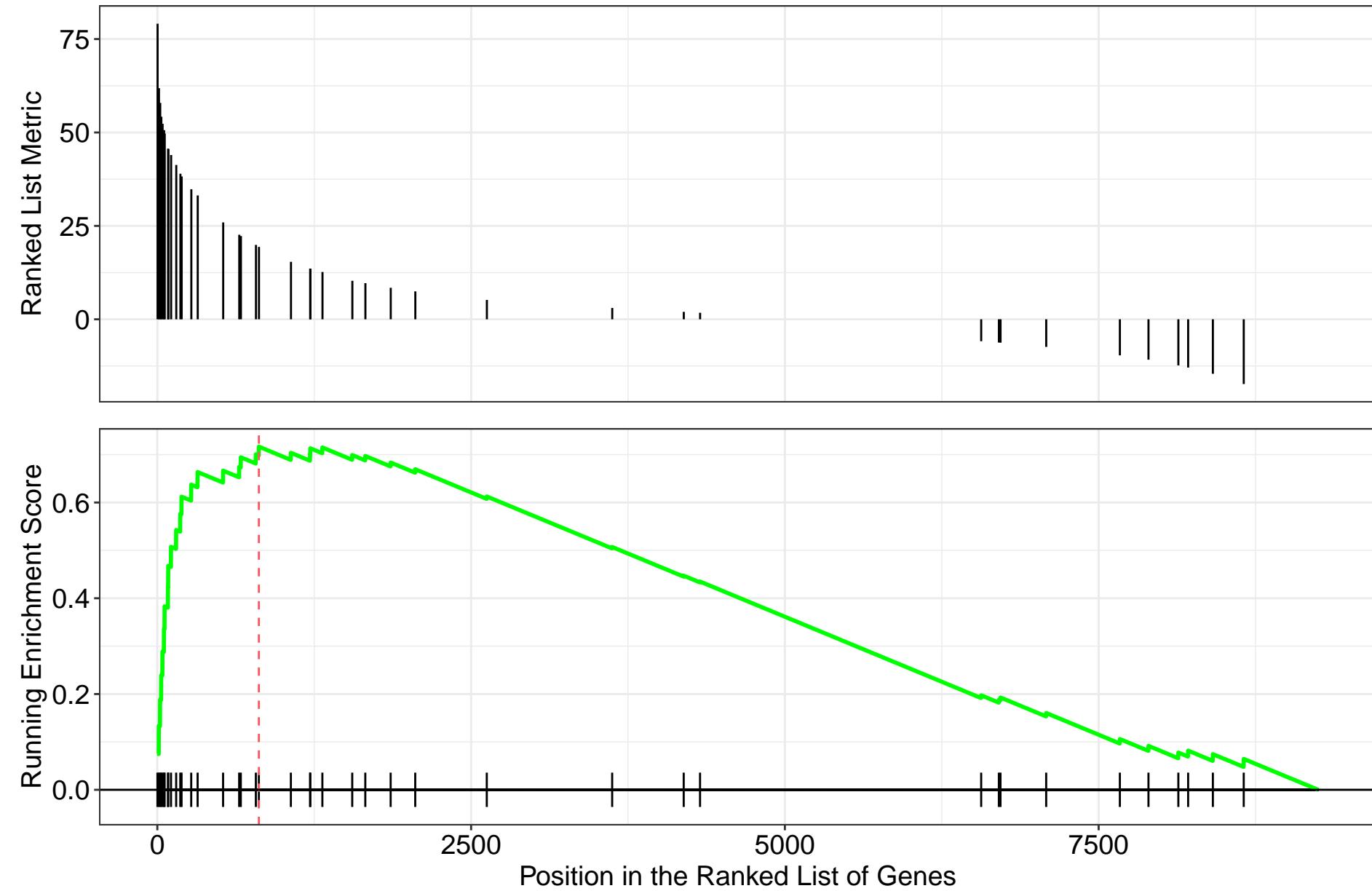
regulation of response to cytokine stimulus



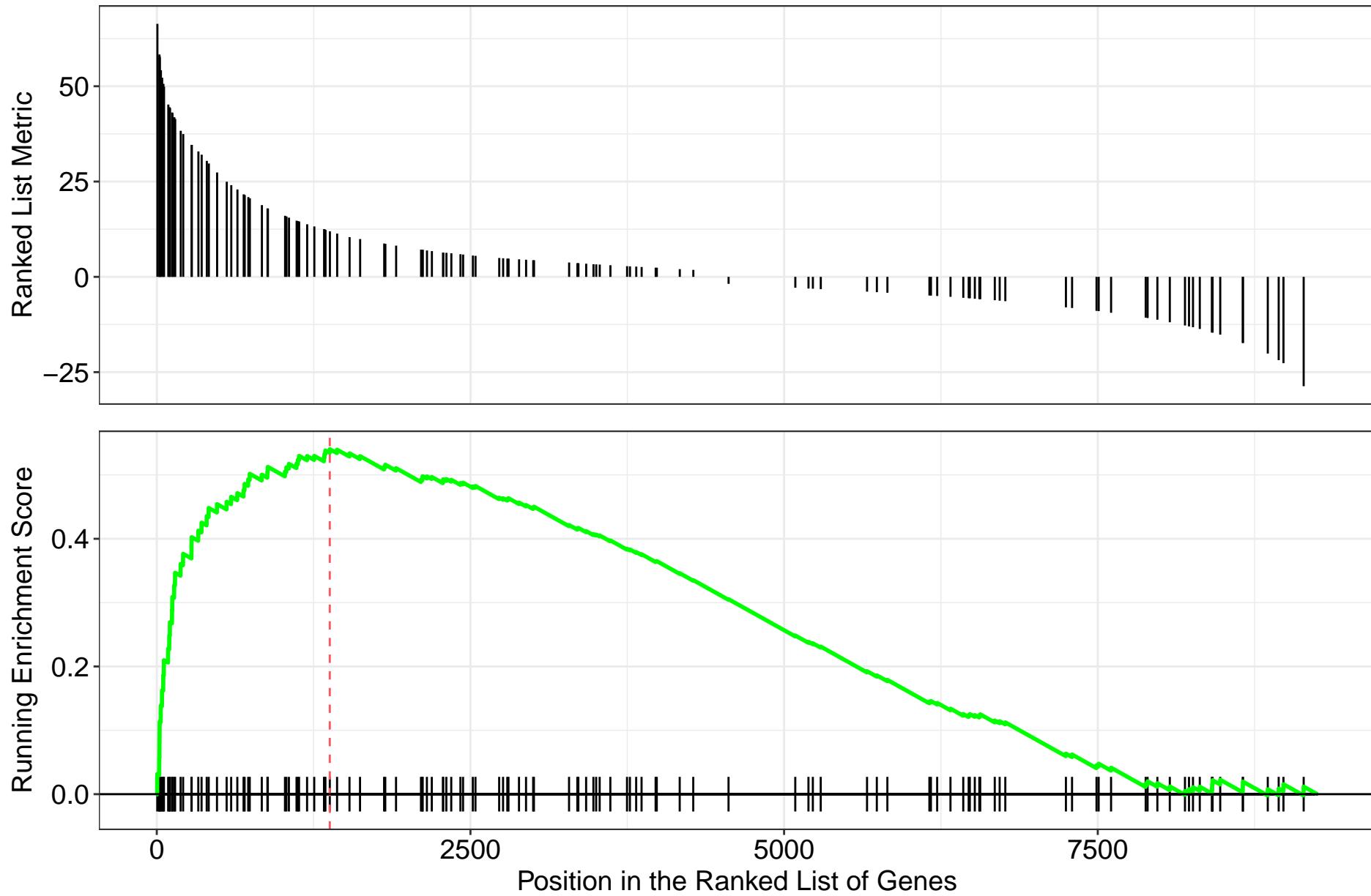
response to chemokine



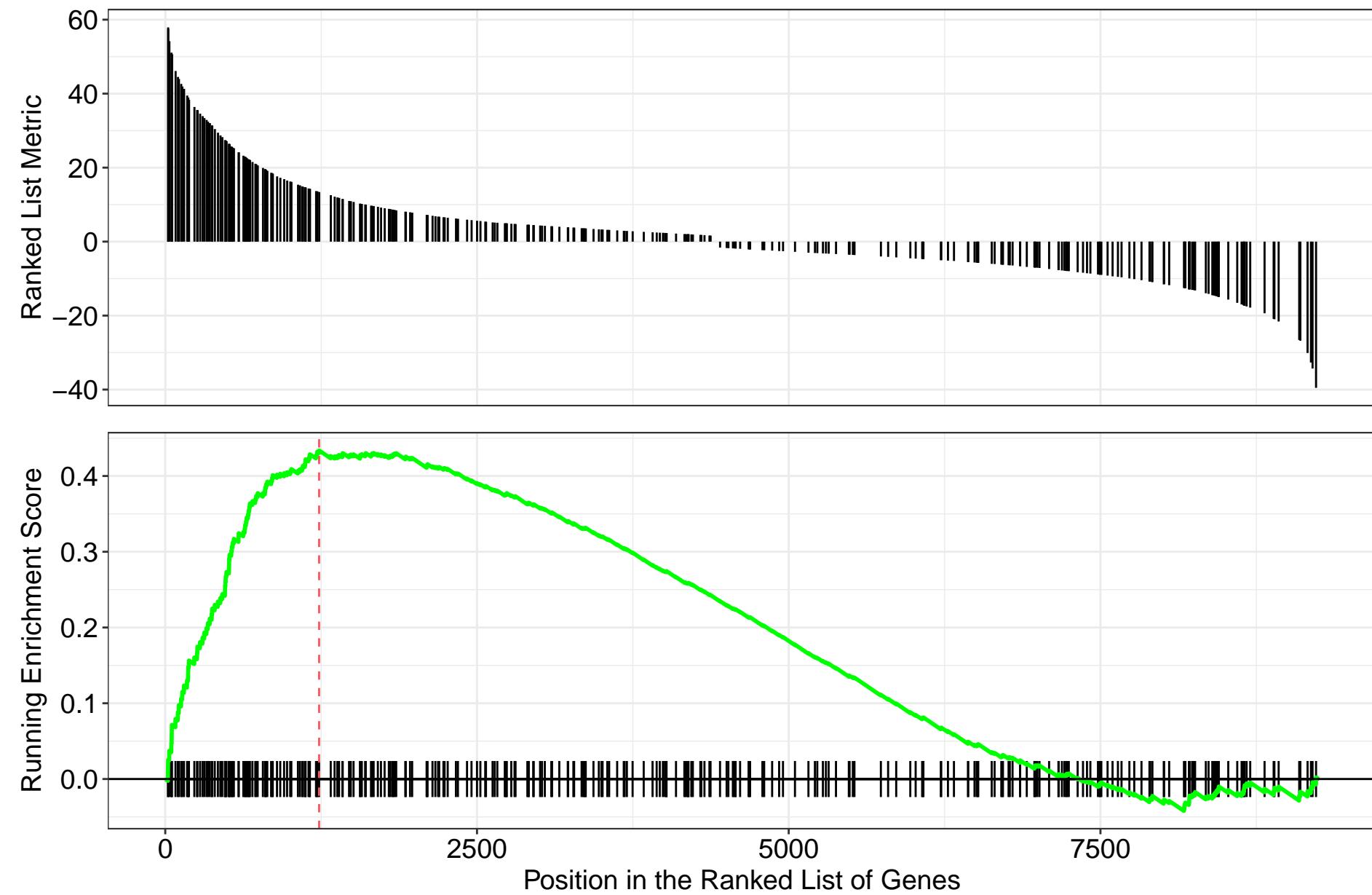
cellular response to chemokine



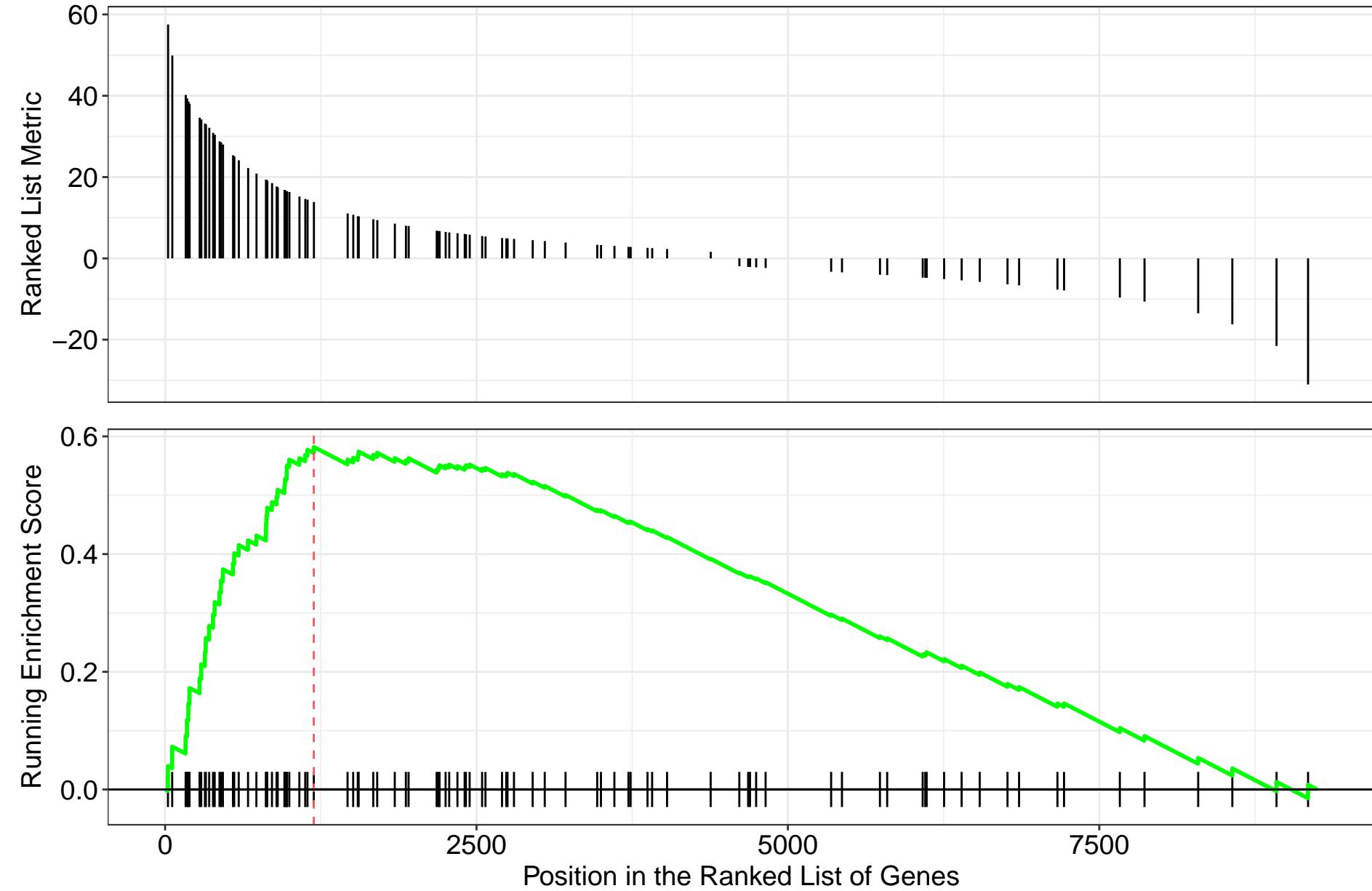
T cell proliferation



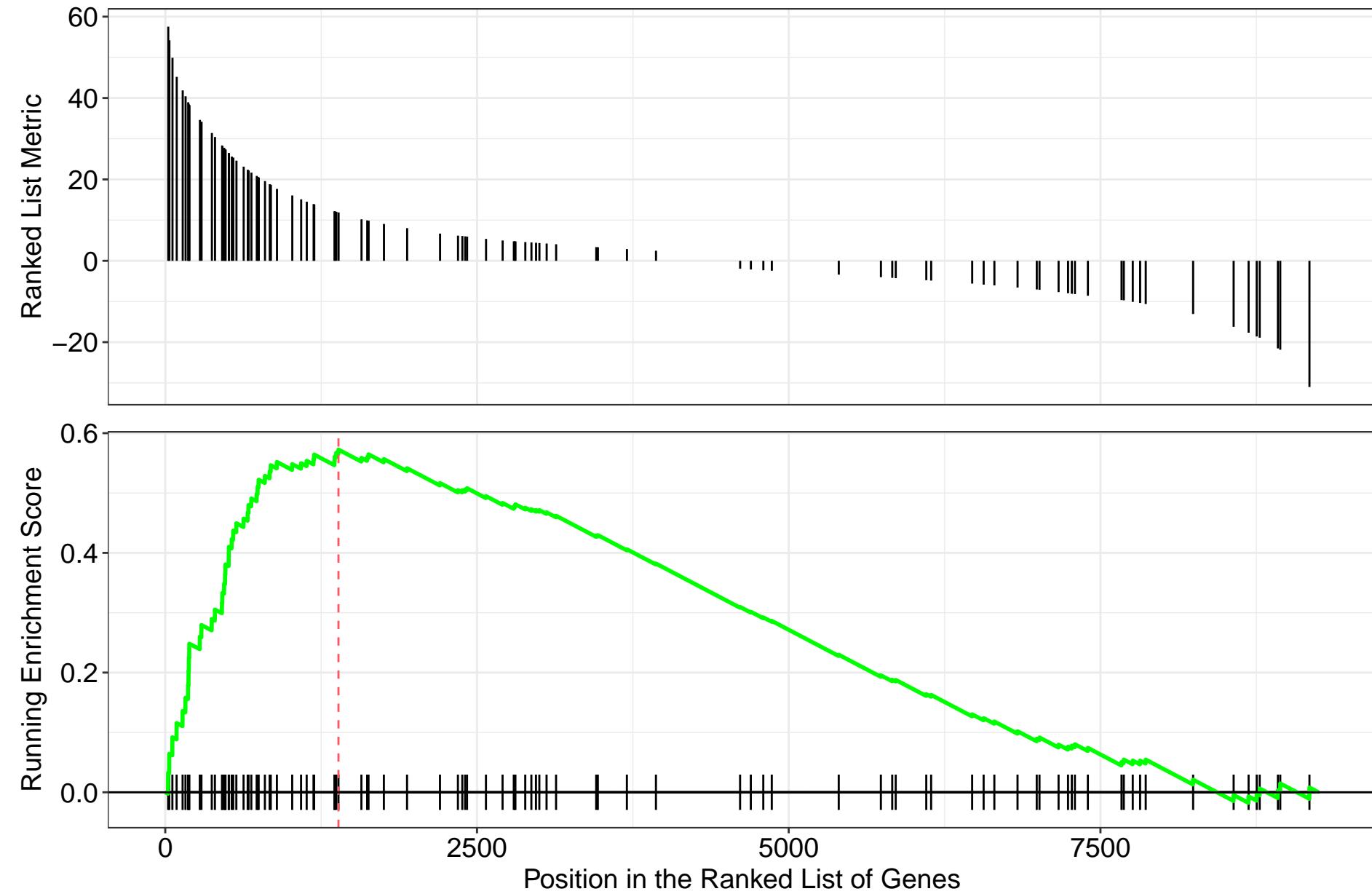
positive regulation of locomotion



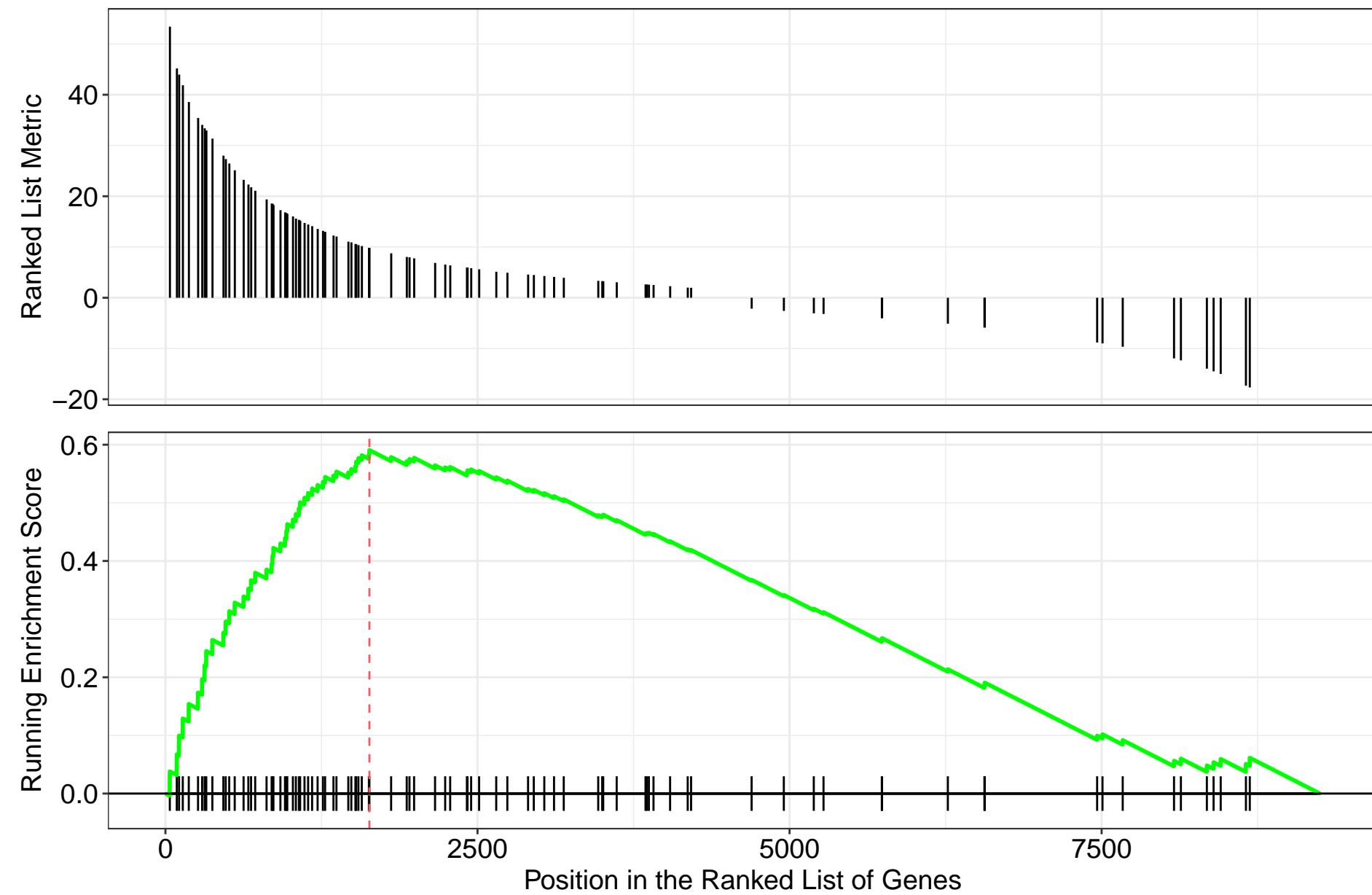
positive regulation of innate immune response



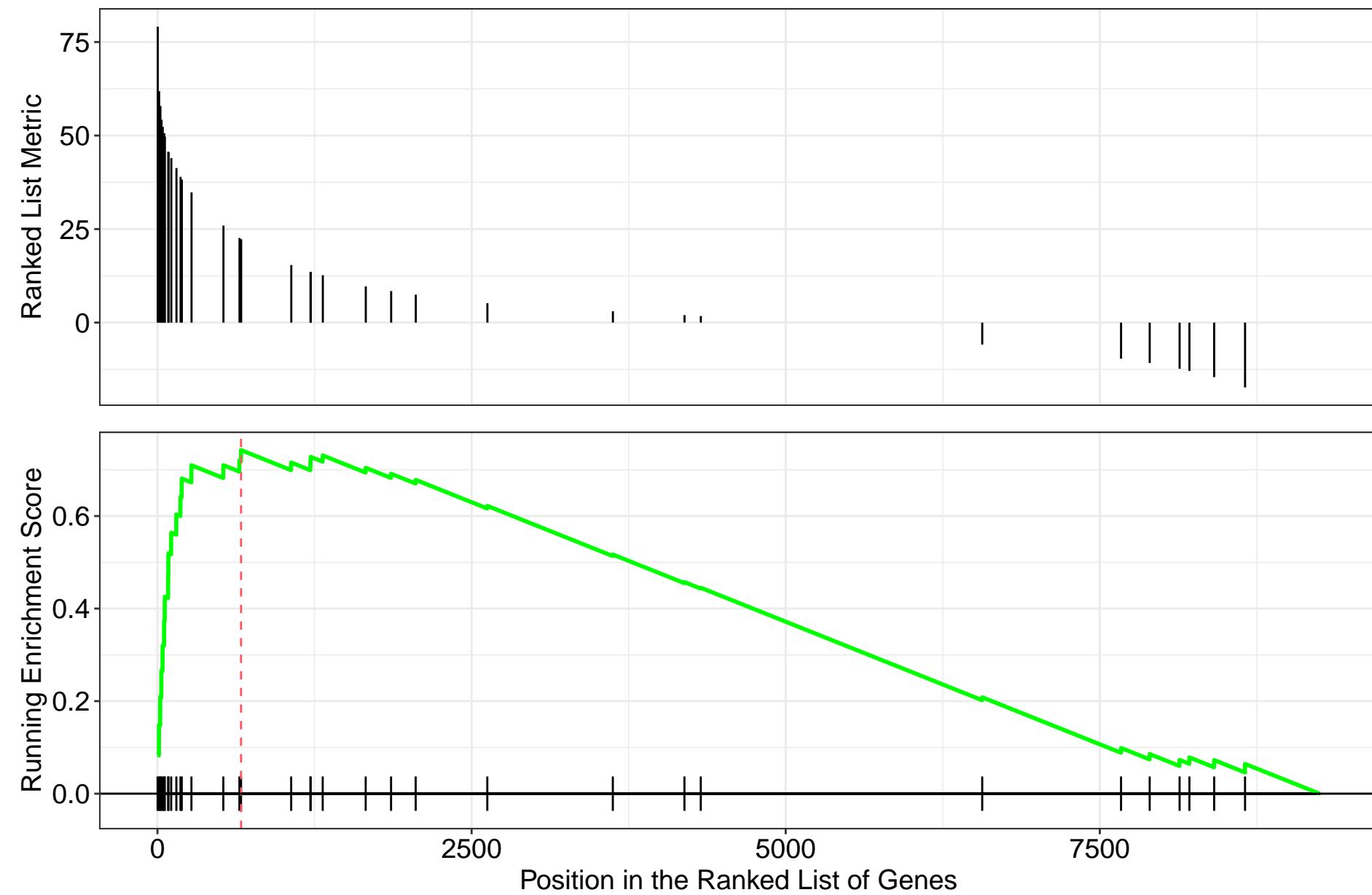
positive regulation of leukocyte mediated immunity



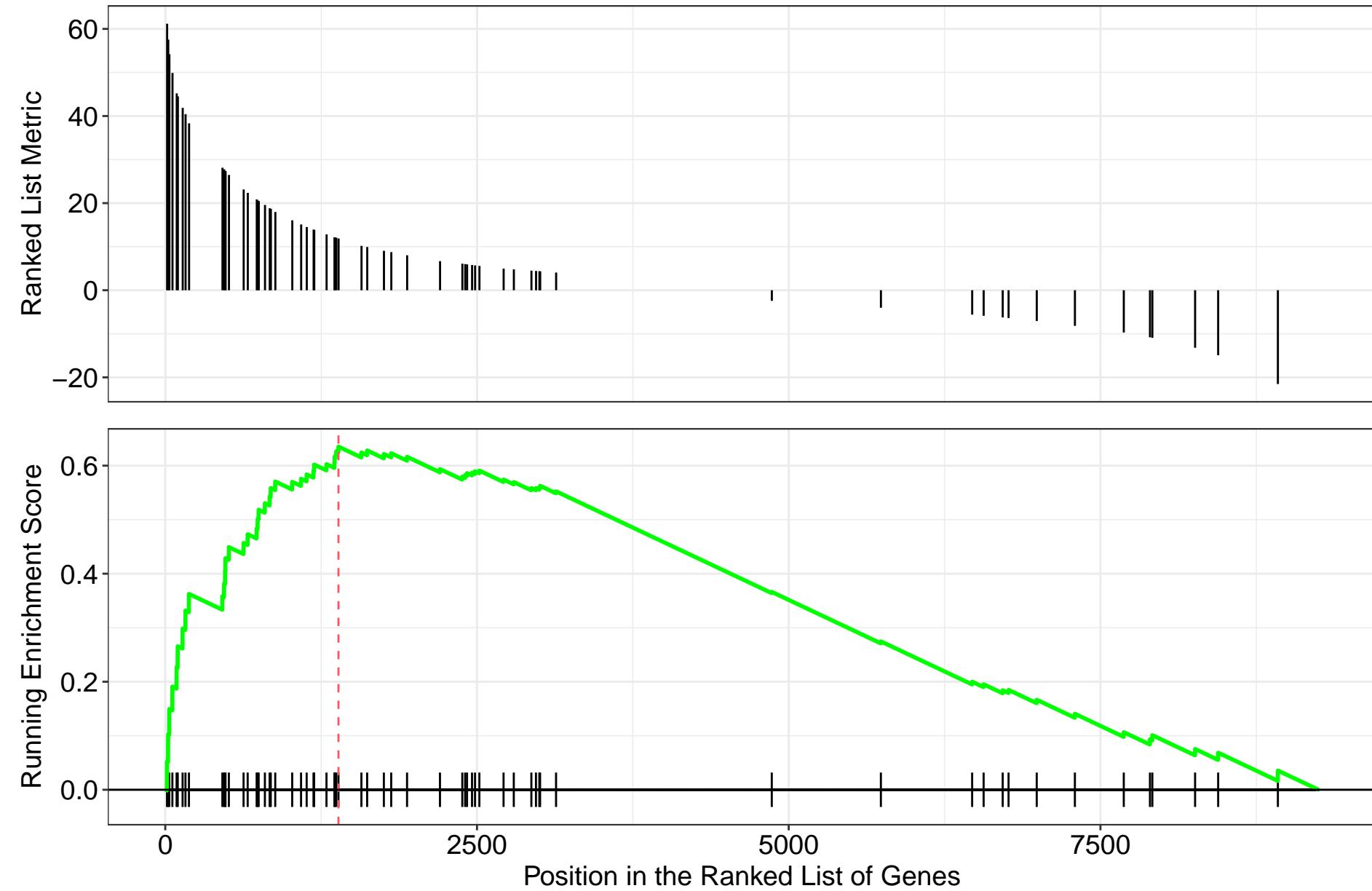
regulation of cytokine-mediated signaling pathway



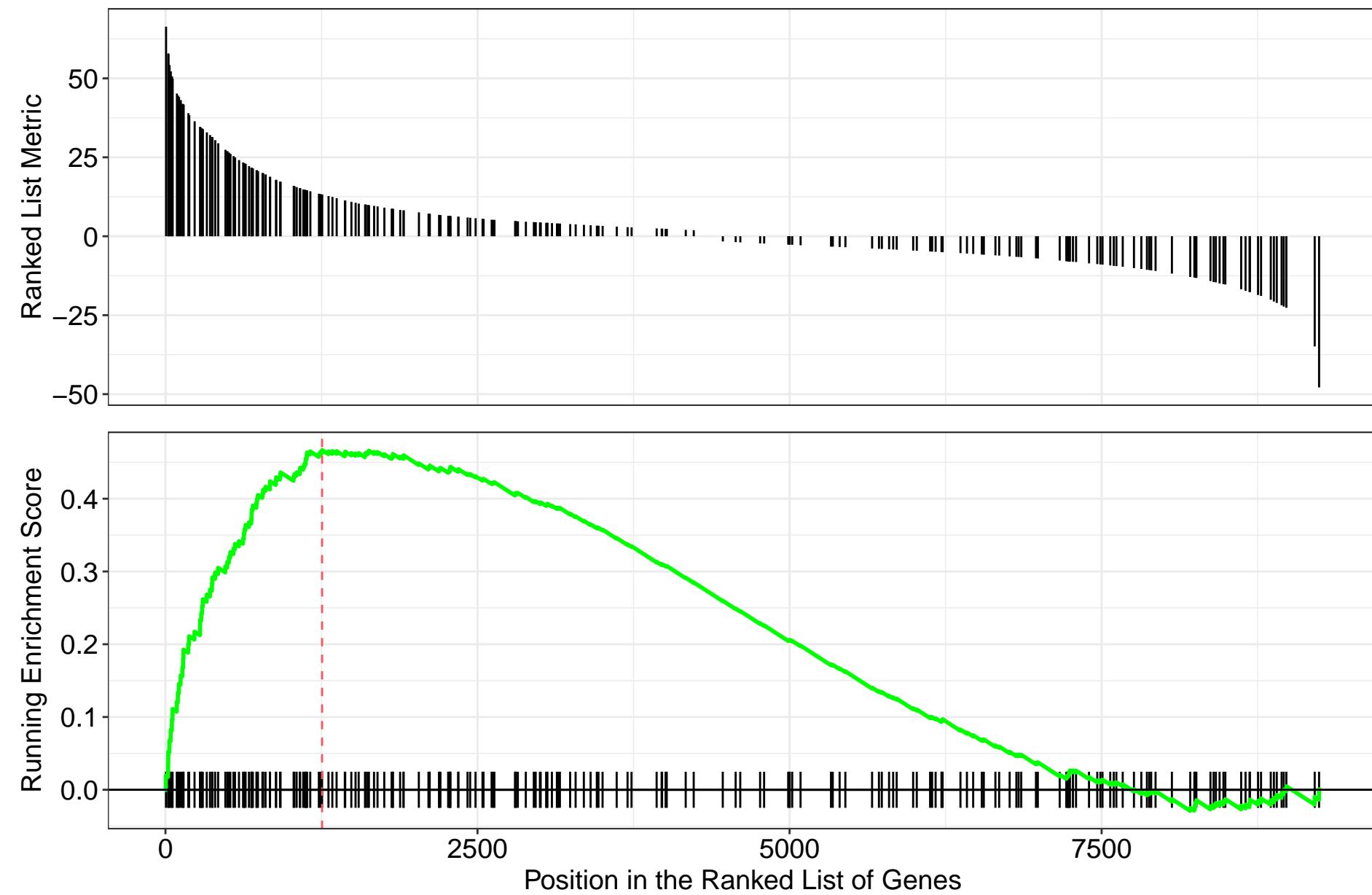
chemokine-mediated signaling pathway



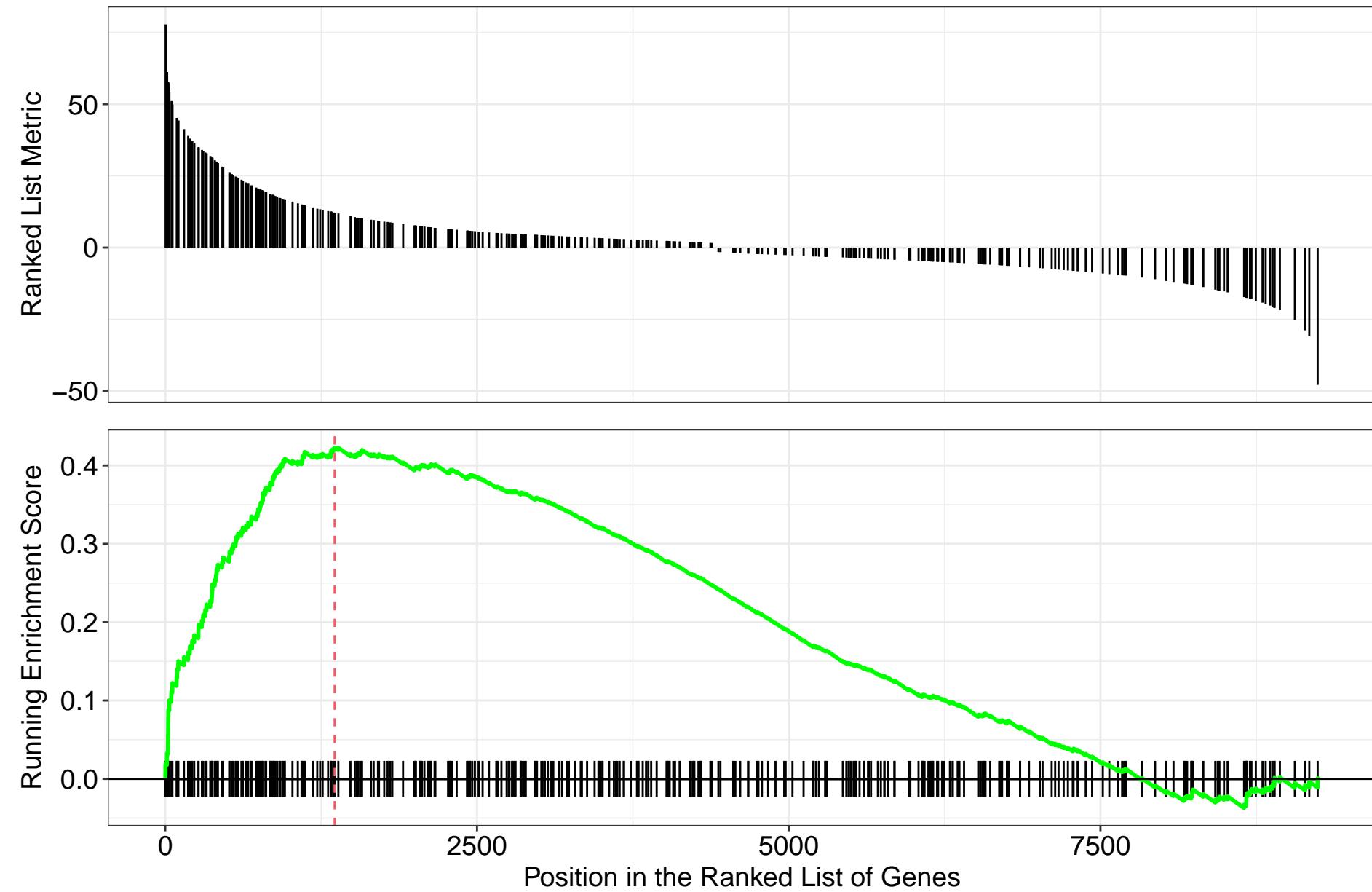
regulation of T cell mediated immunity



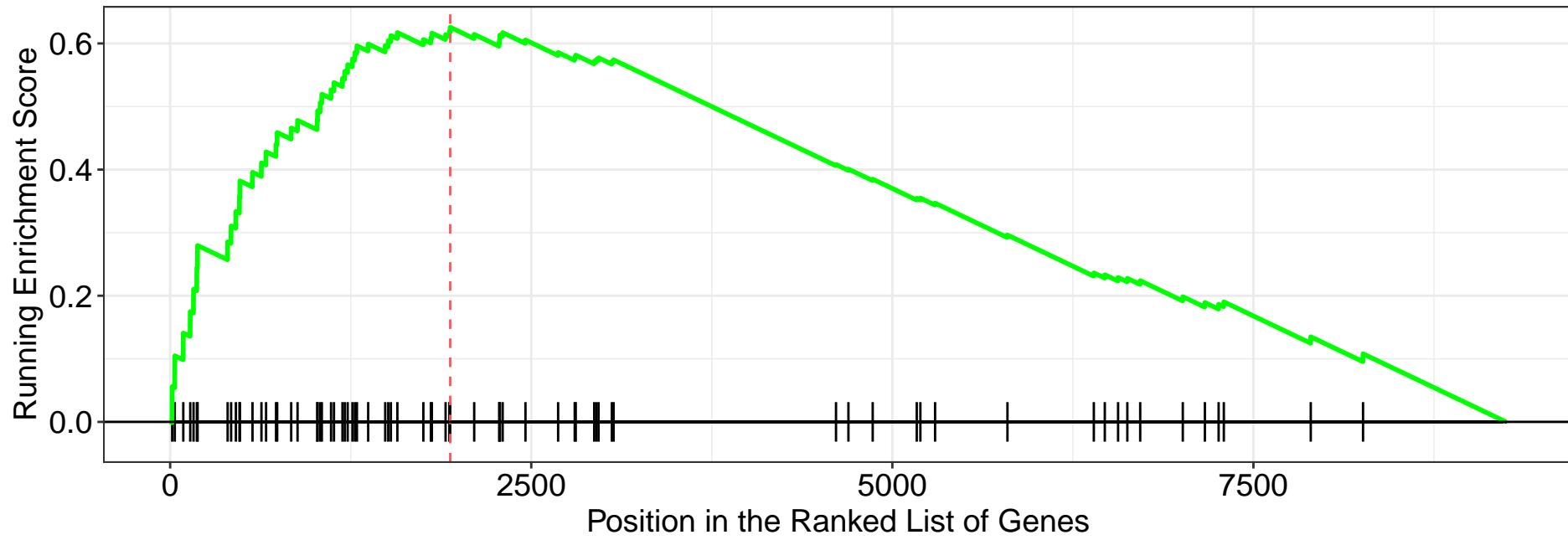
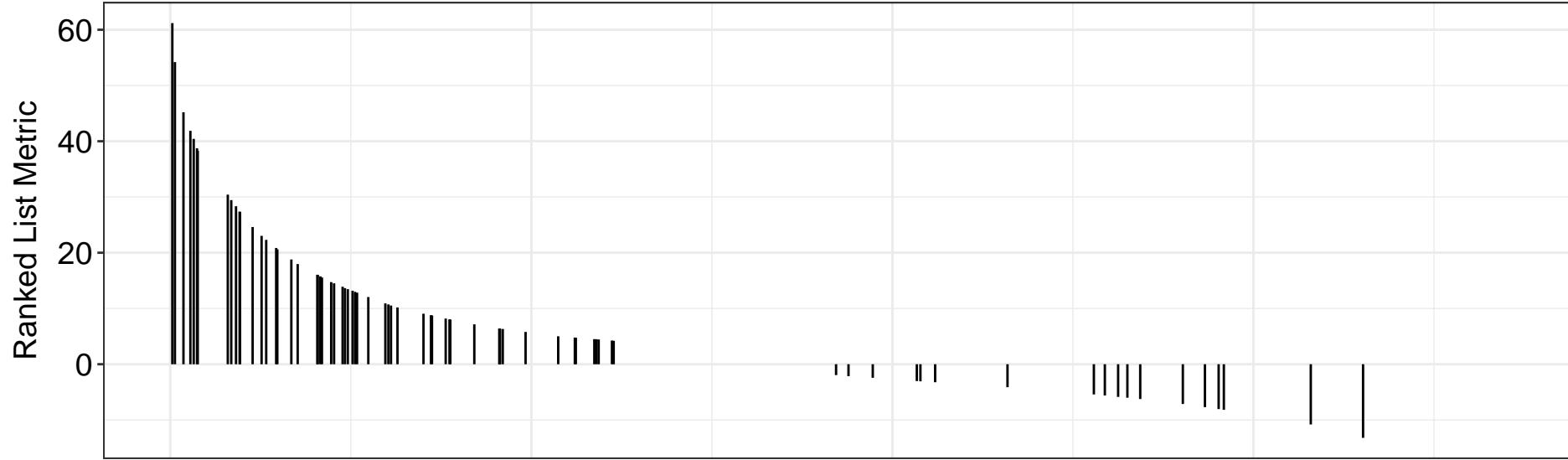
positive regulation of cell activation



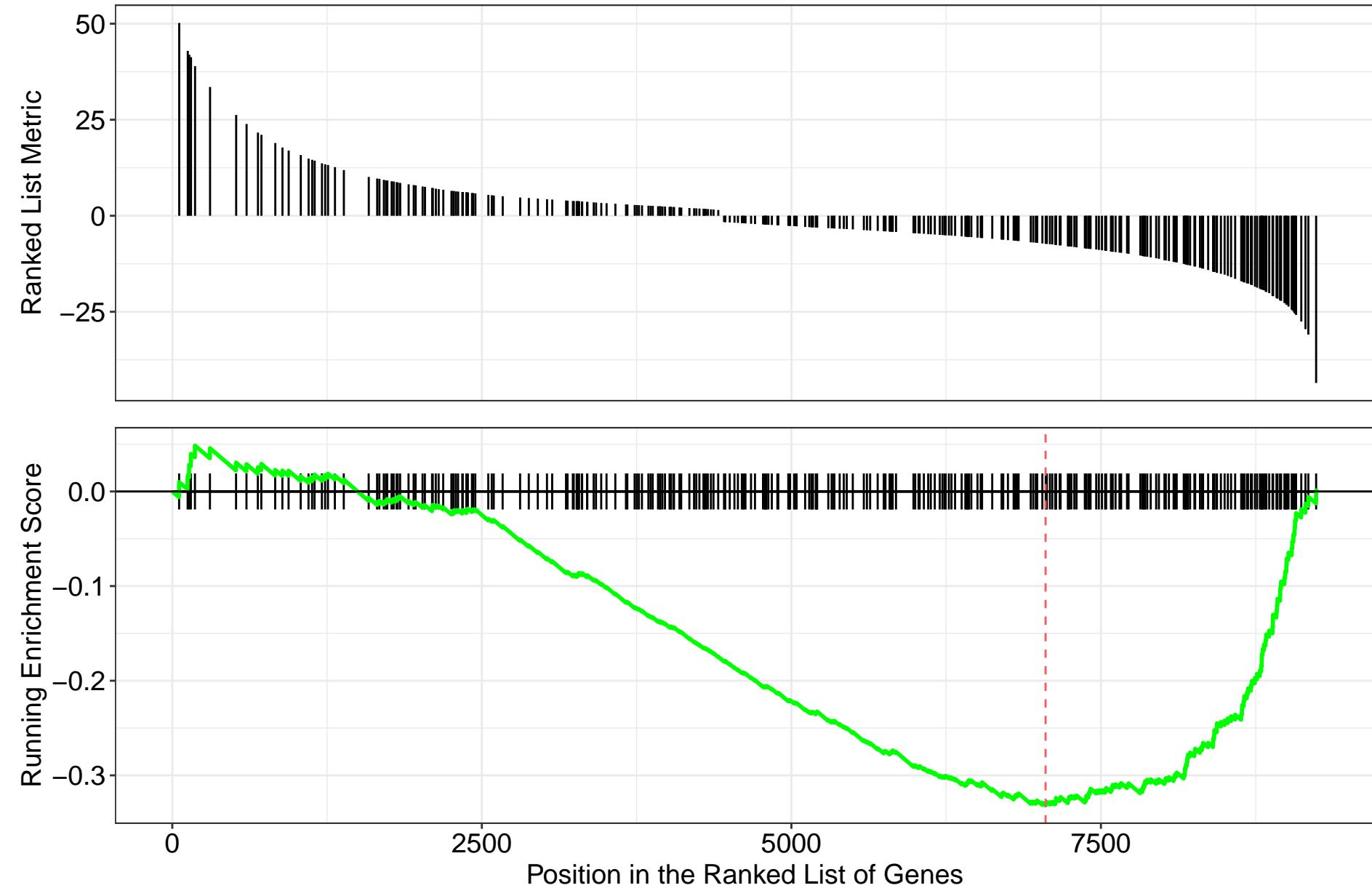
positive regulation of programmed cell death



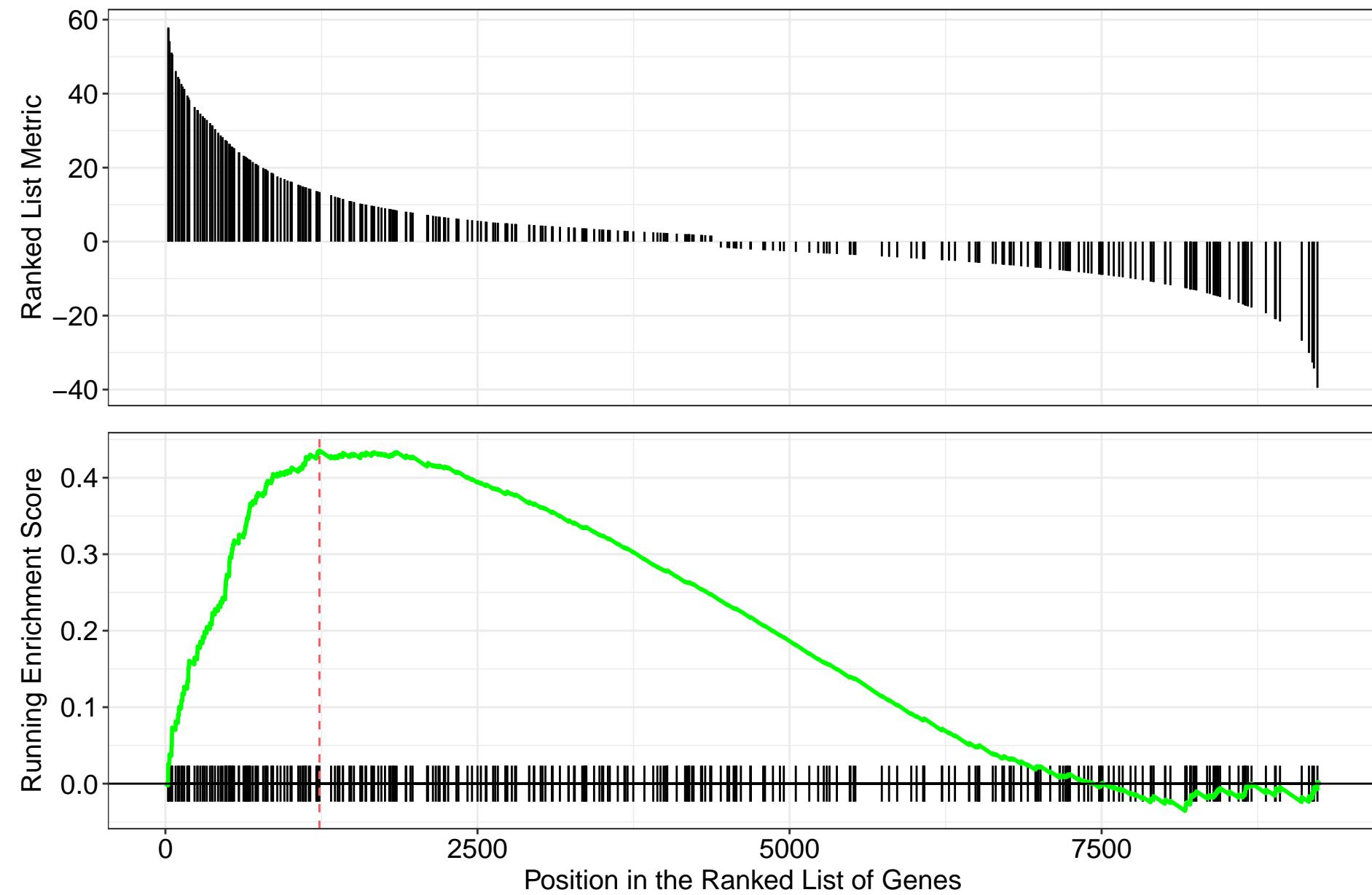
regulation of cytokine production involved in immune response



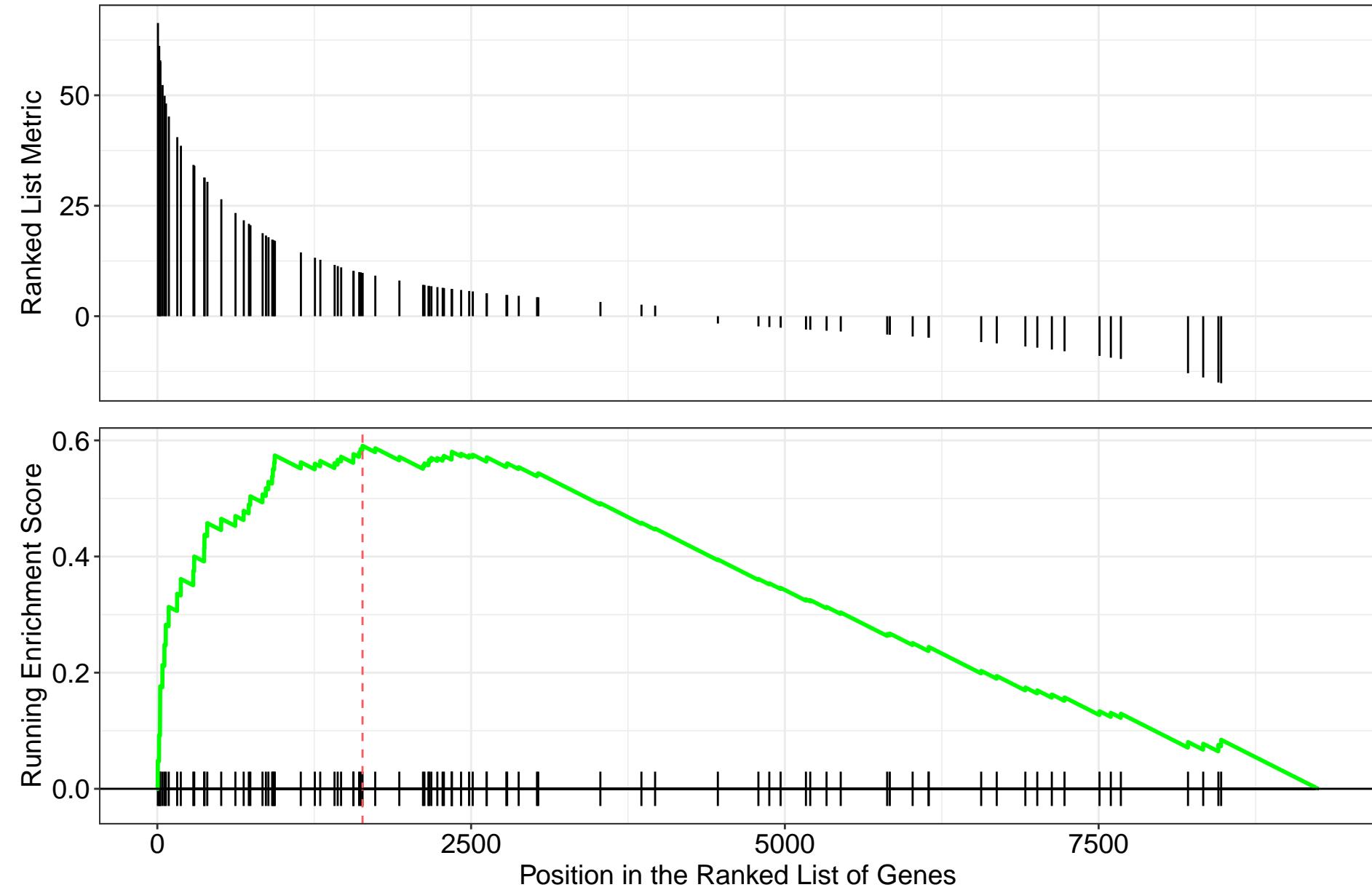
cell cycle phase transition



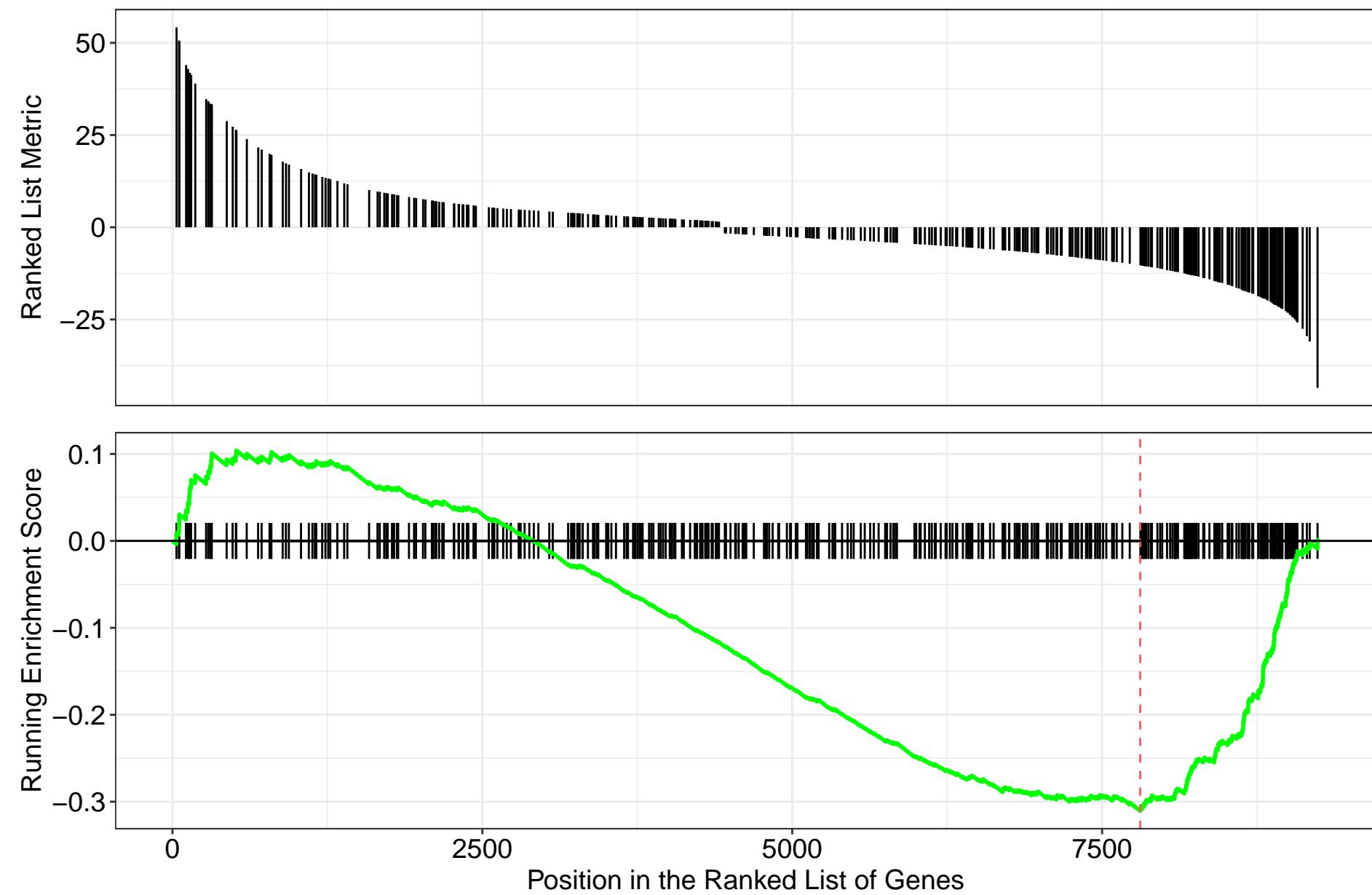
positive regulation of cell motility



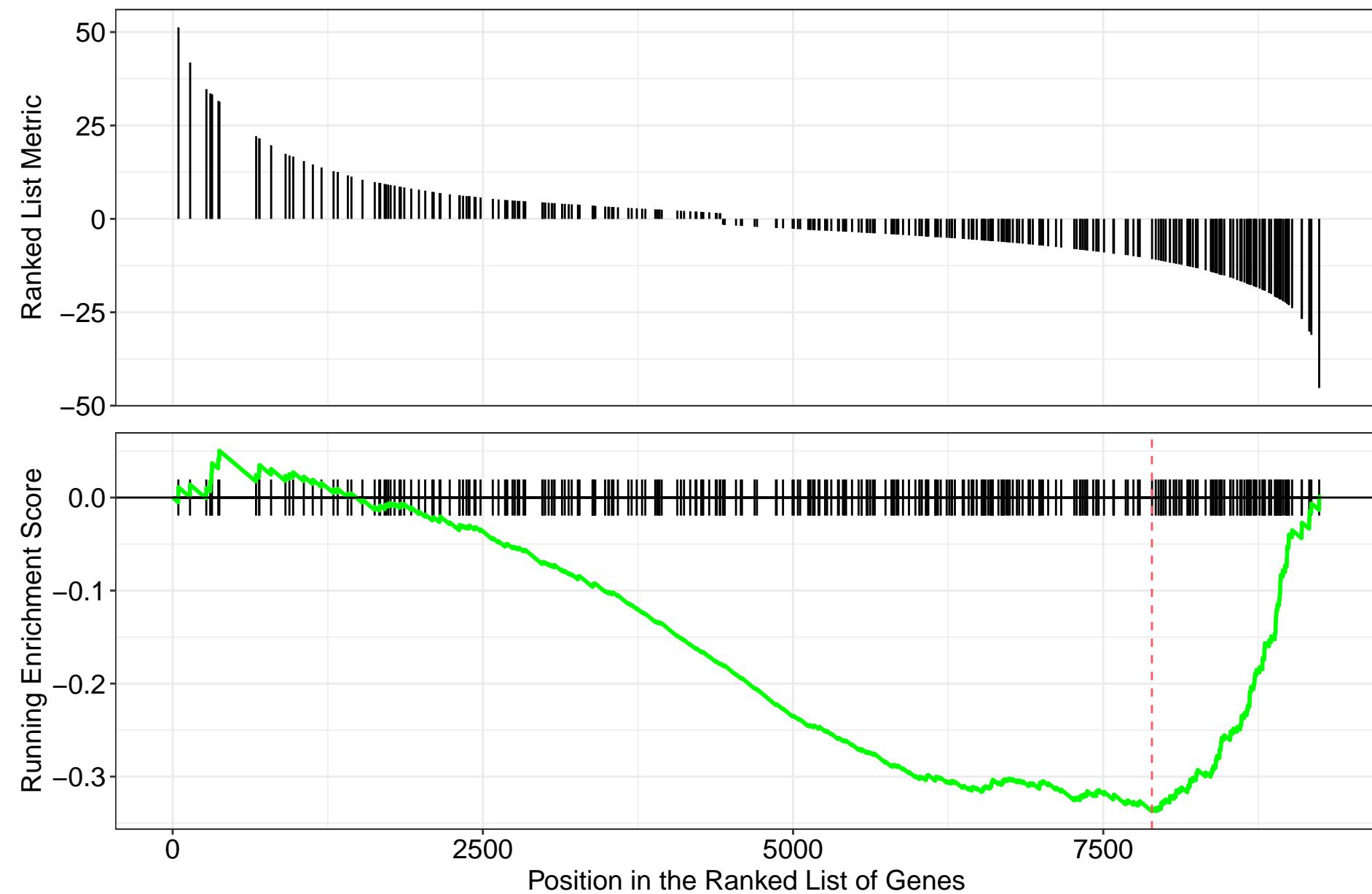
receptor signaling pathway via STAT



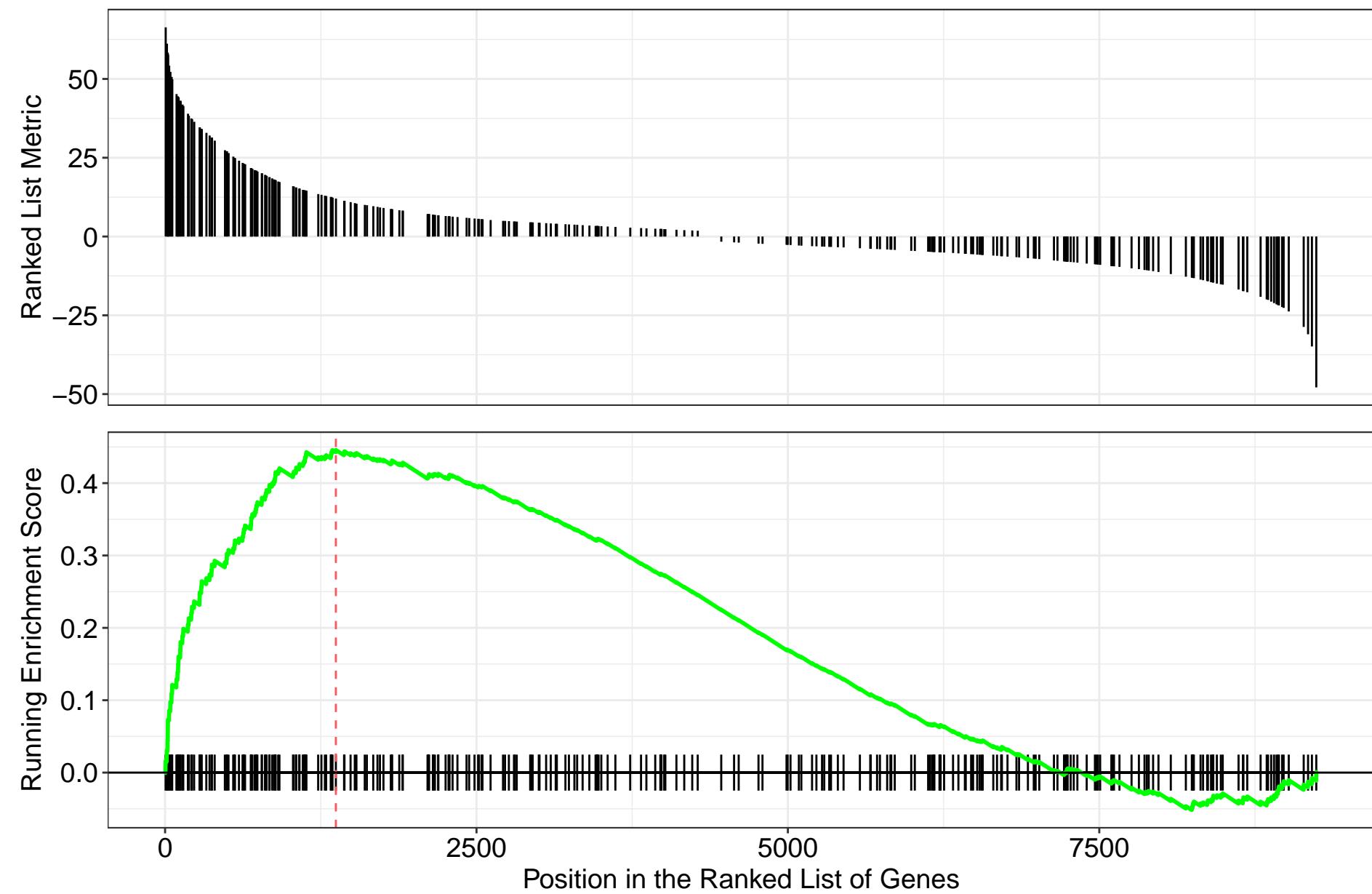
regulation of cell cycle process



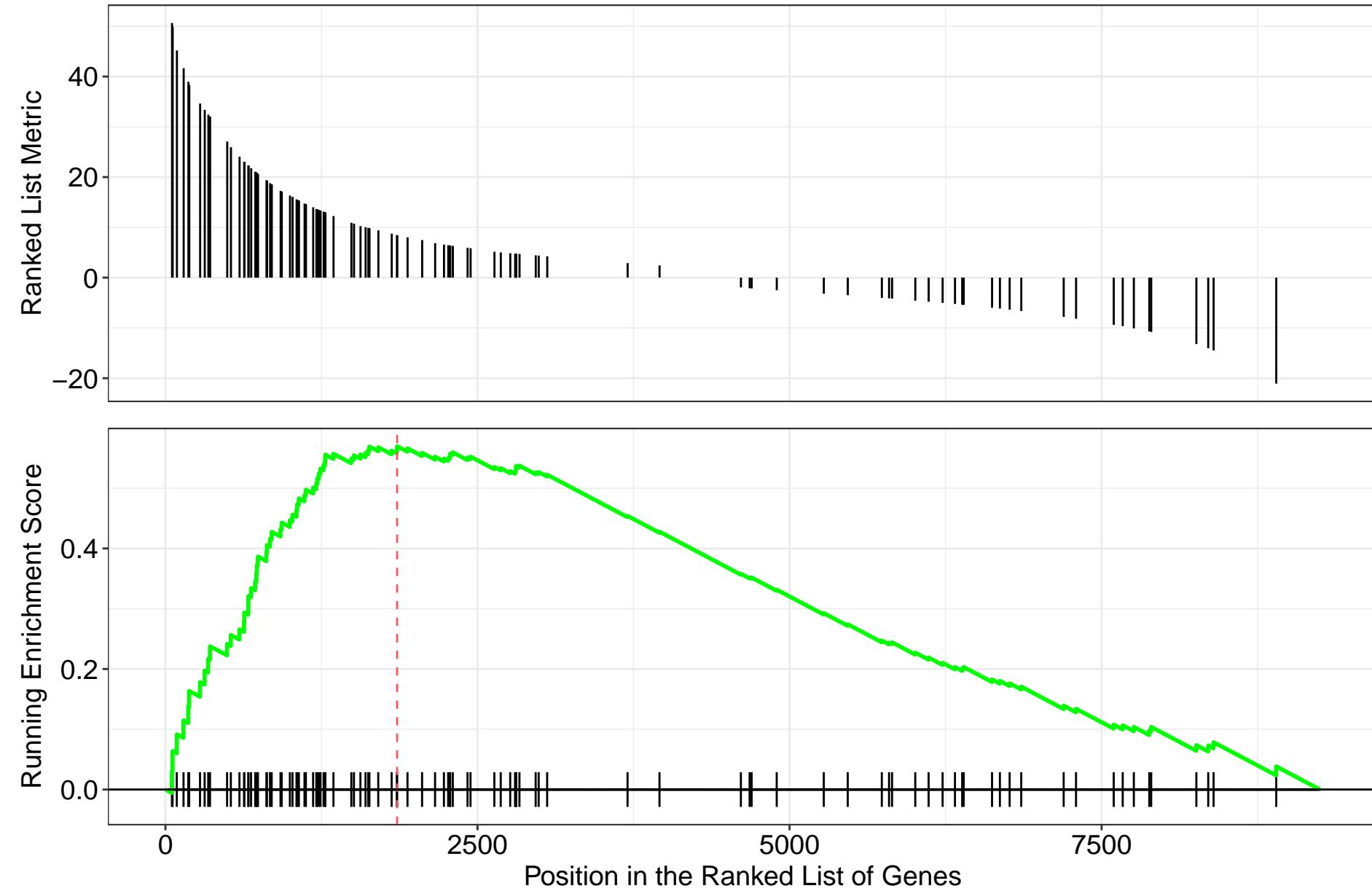
microtubule cytoskeleton organization



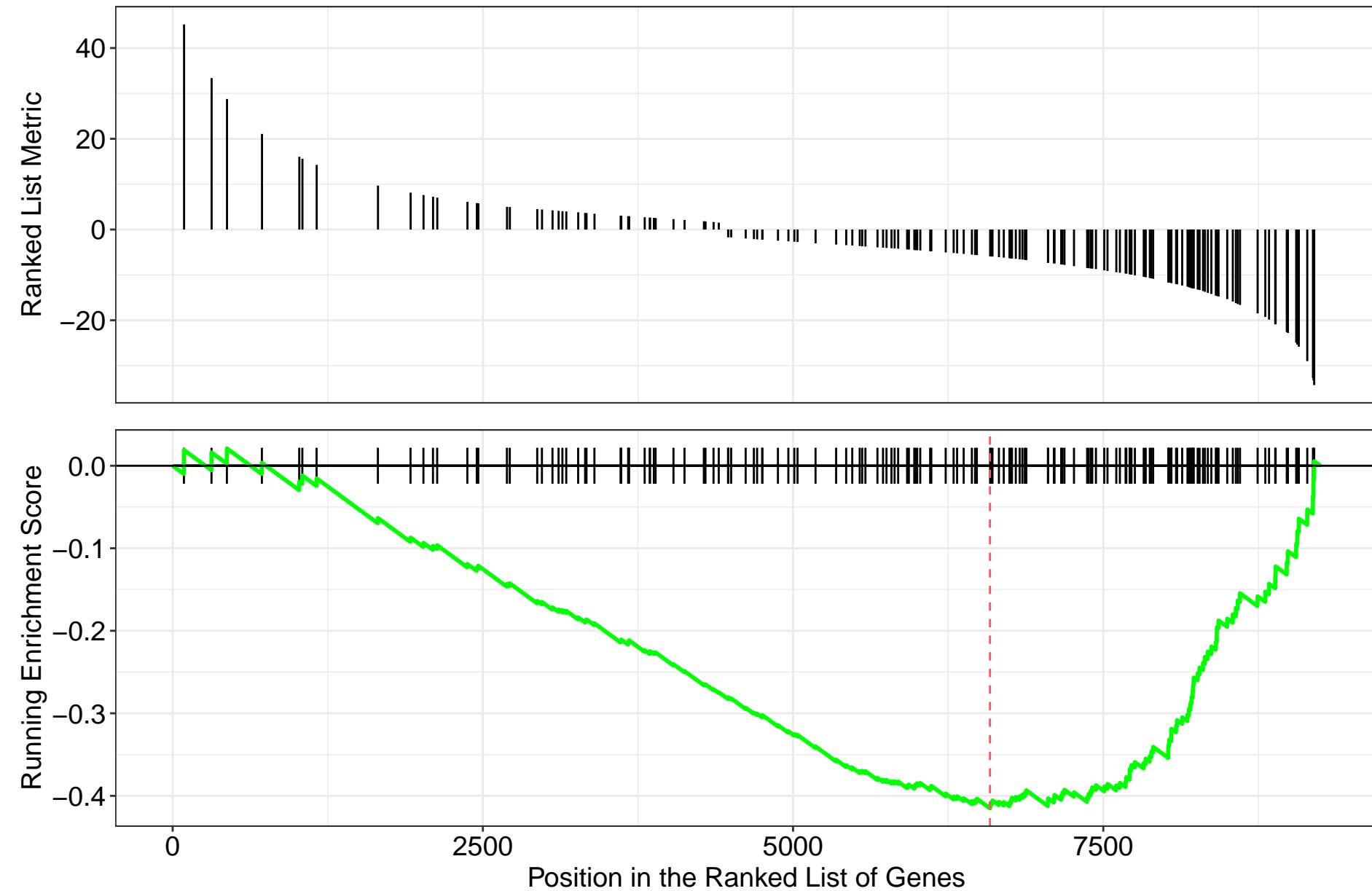
regulation of lymphocyte activation



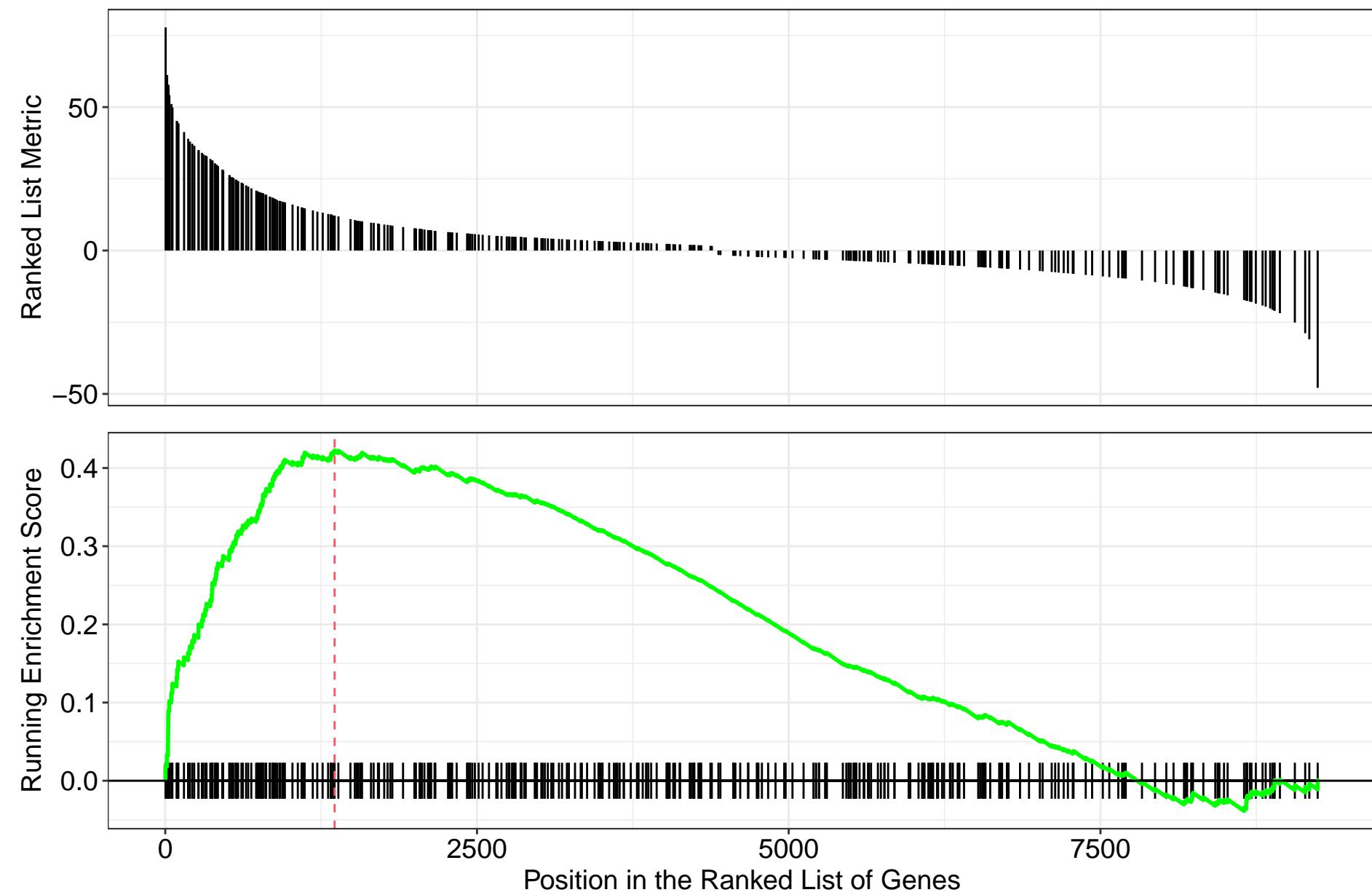
regulation of tumor necrosis factor production



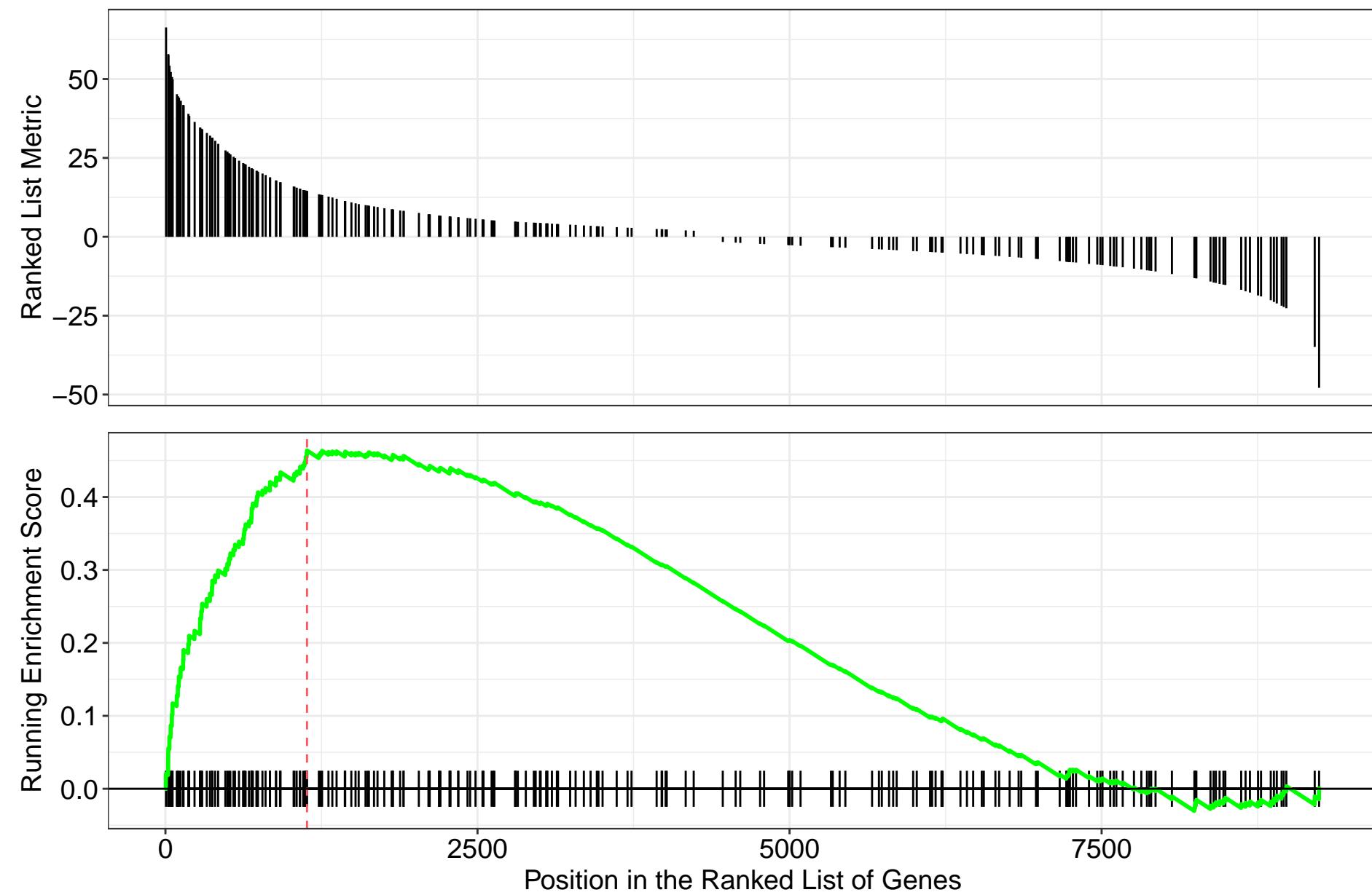
DNA replication



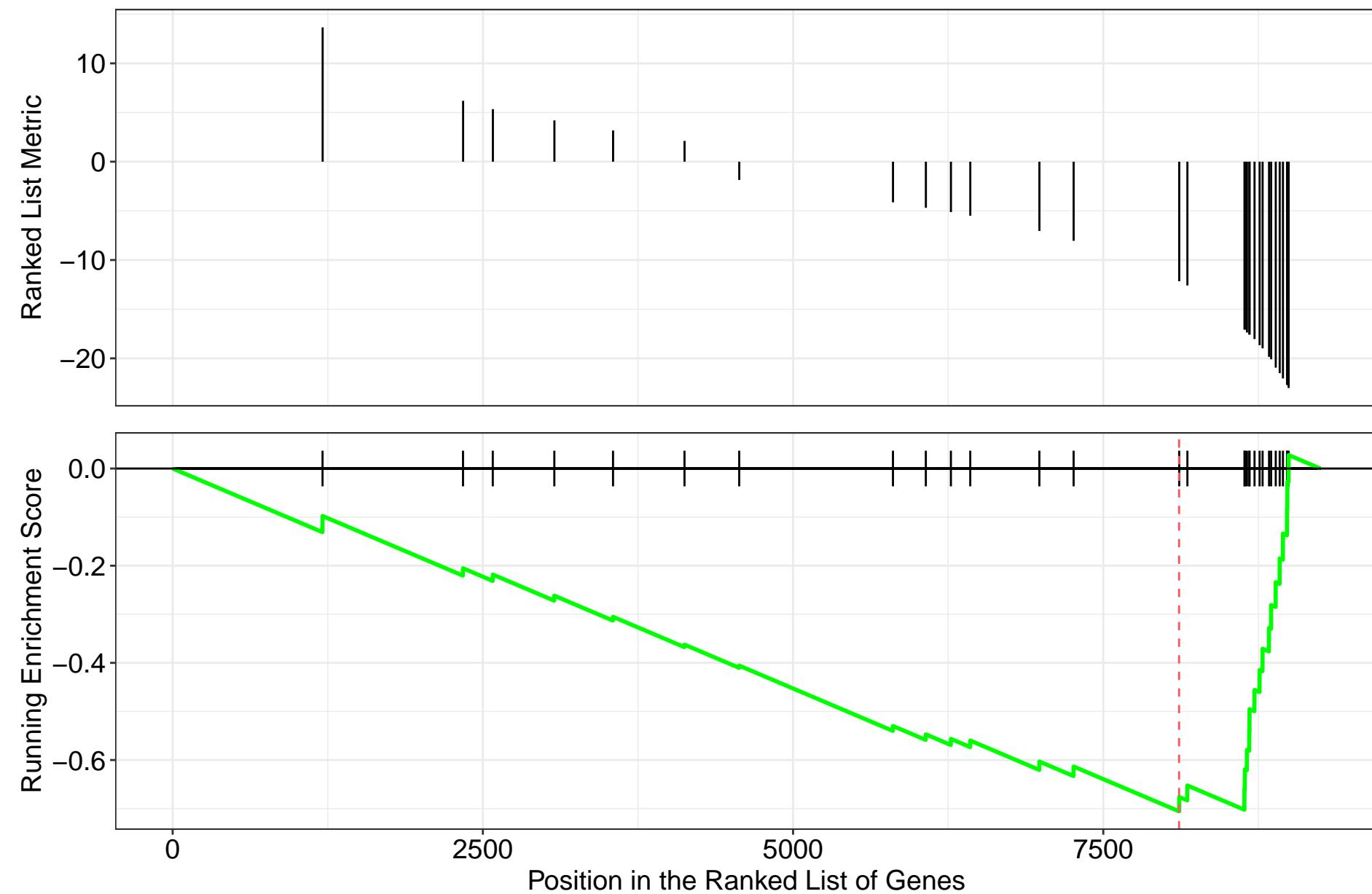
positive regulation of apoptotic process



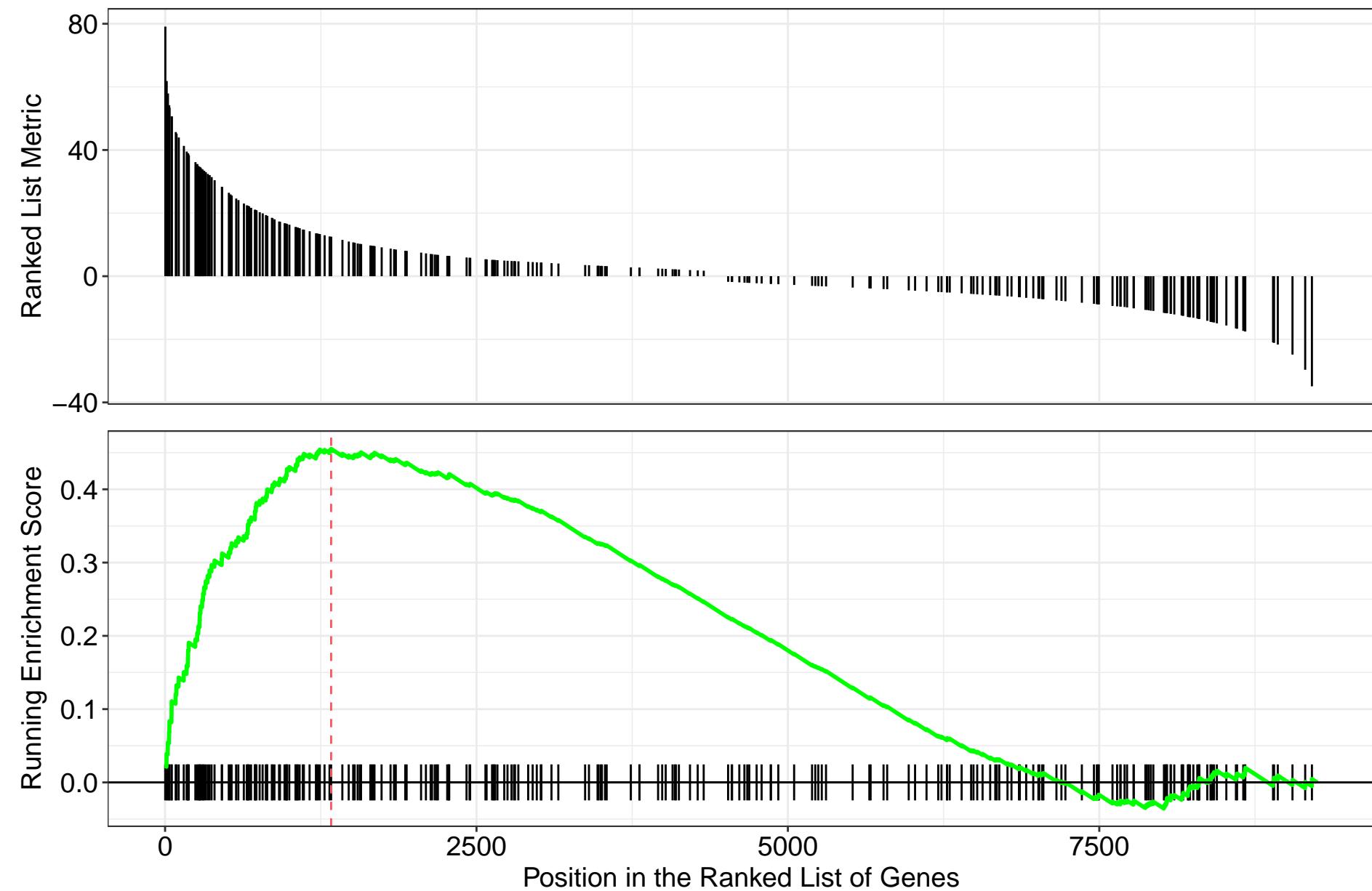
positive regulation of leukocyte activation



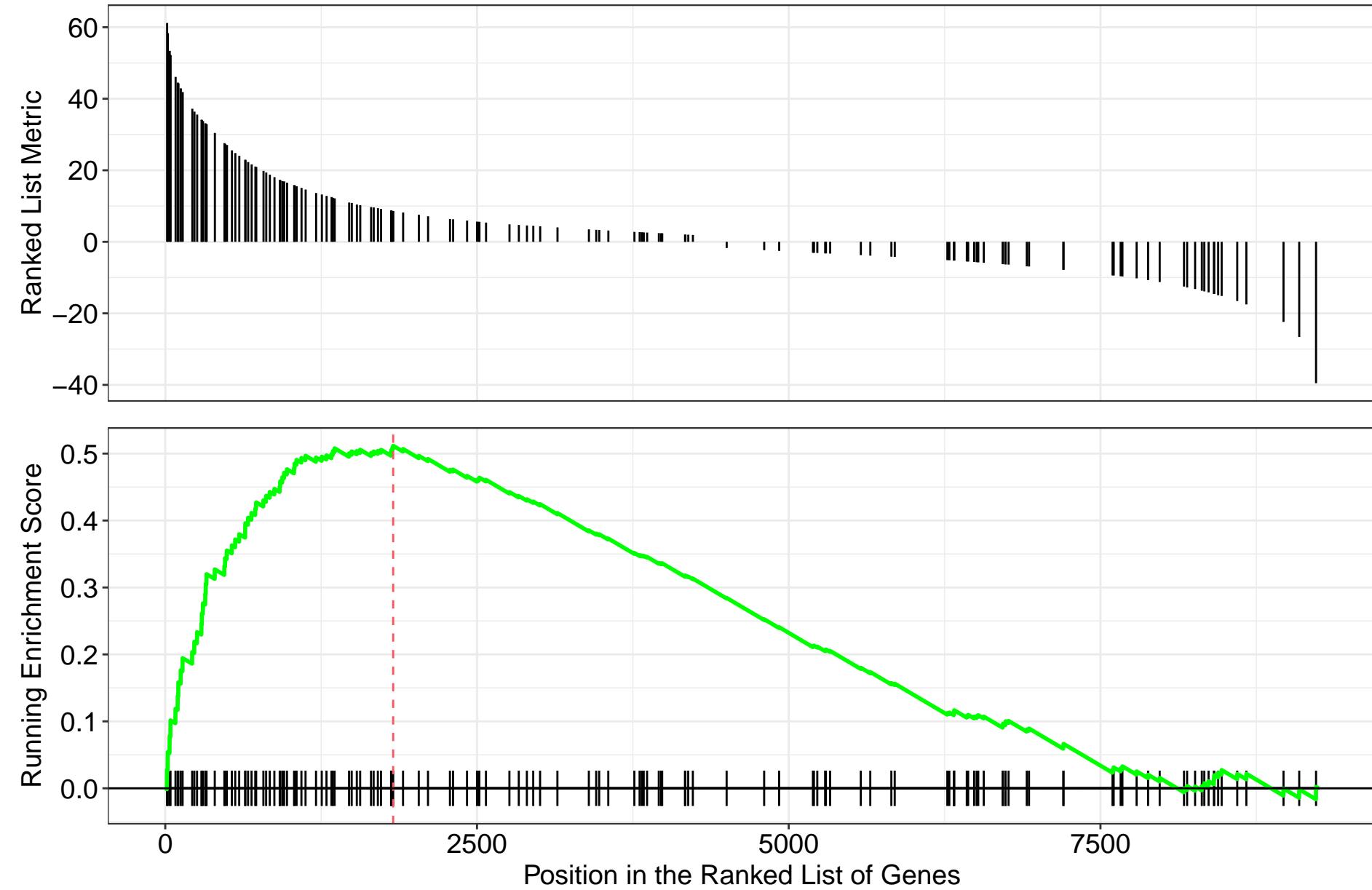
attachment of spindle microtubules to kinetochore



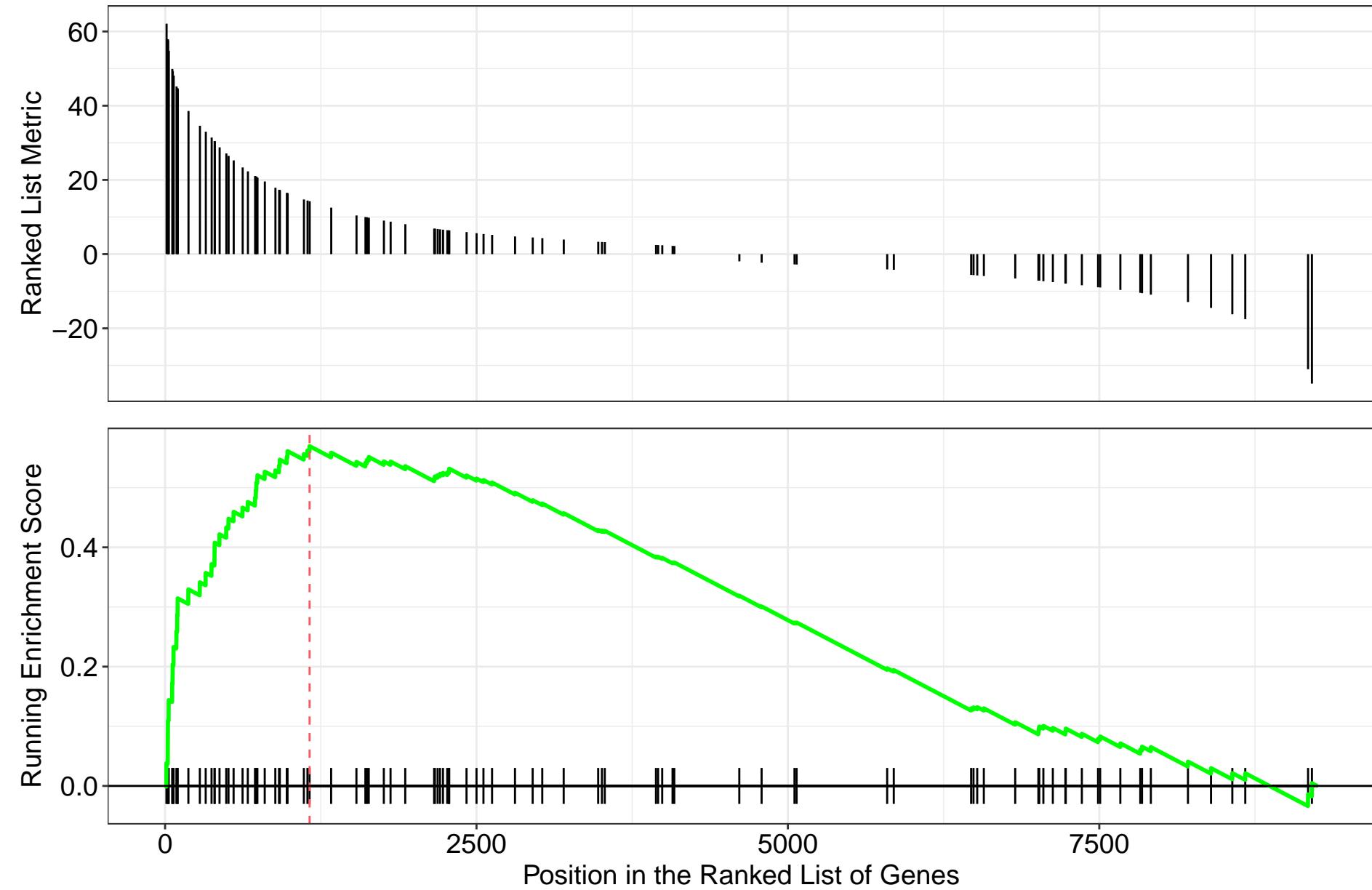
positive regulation of MAPK cascade



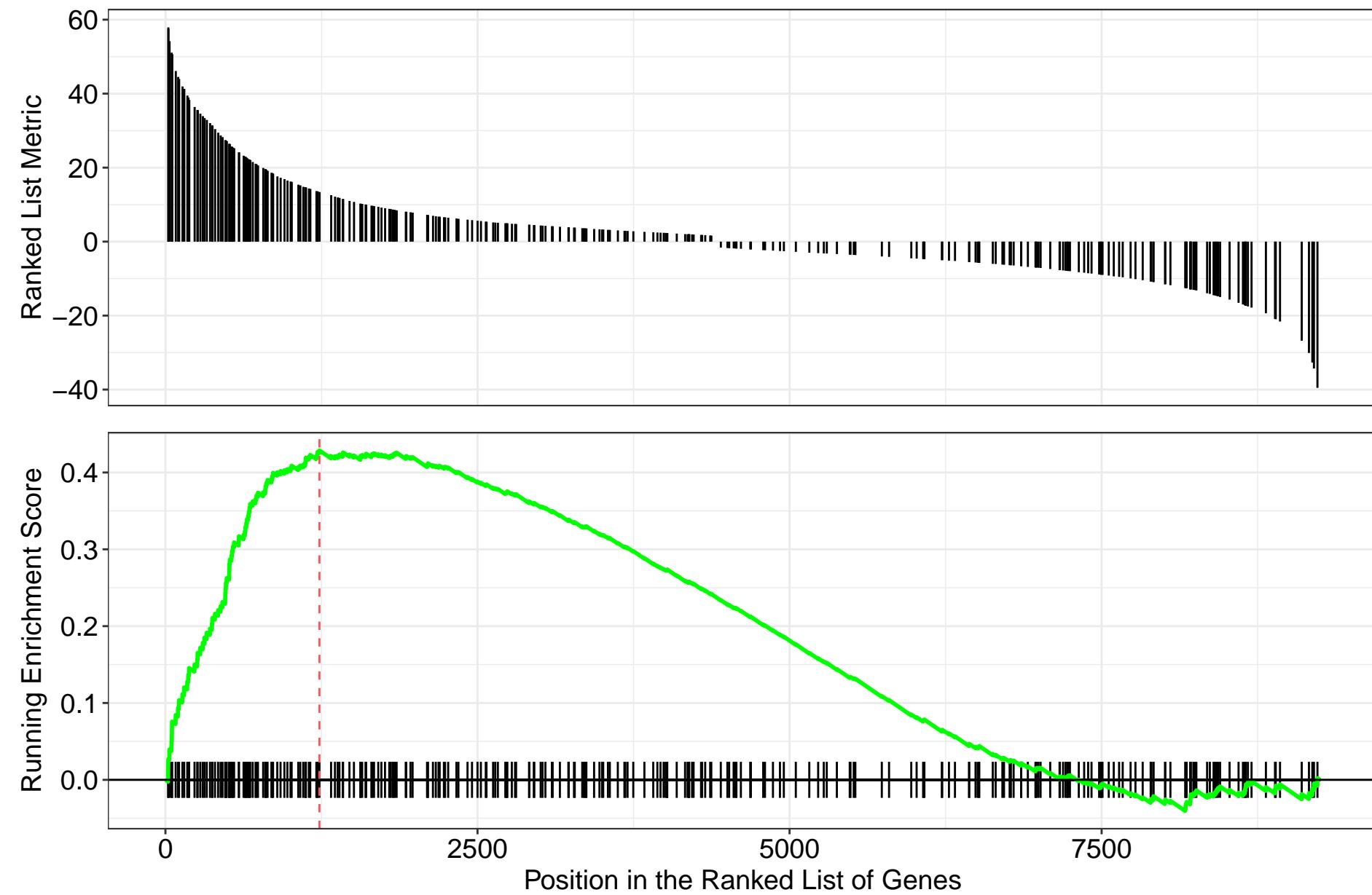
negative regulation of cell adhesion



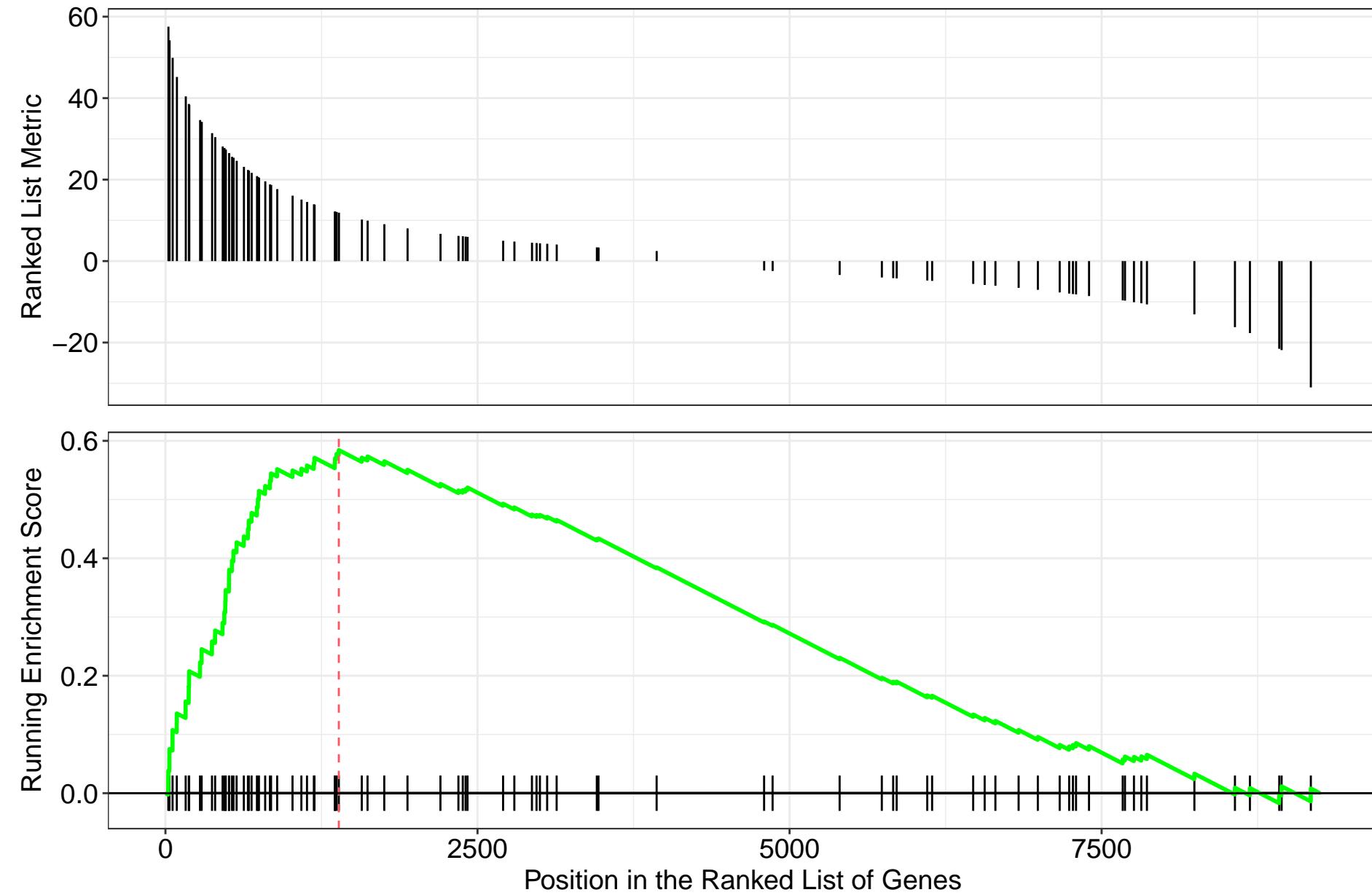
positive regulation of peptidyl–tyrosine phosphorylation



positive regulation of cell migration



positive regulation of lymphocyte mediated immunity



meiotic cell cycle

Ranked List Metric



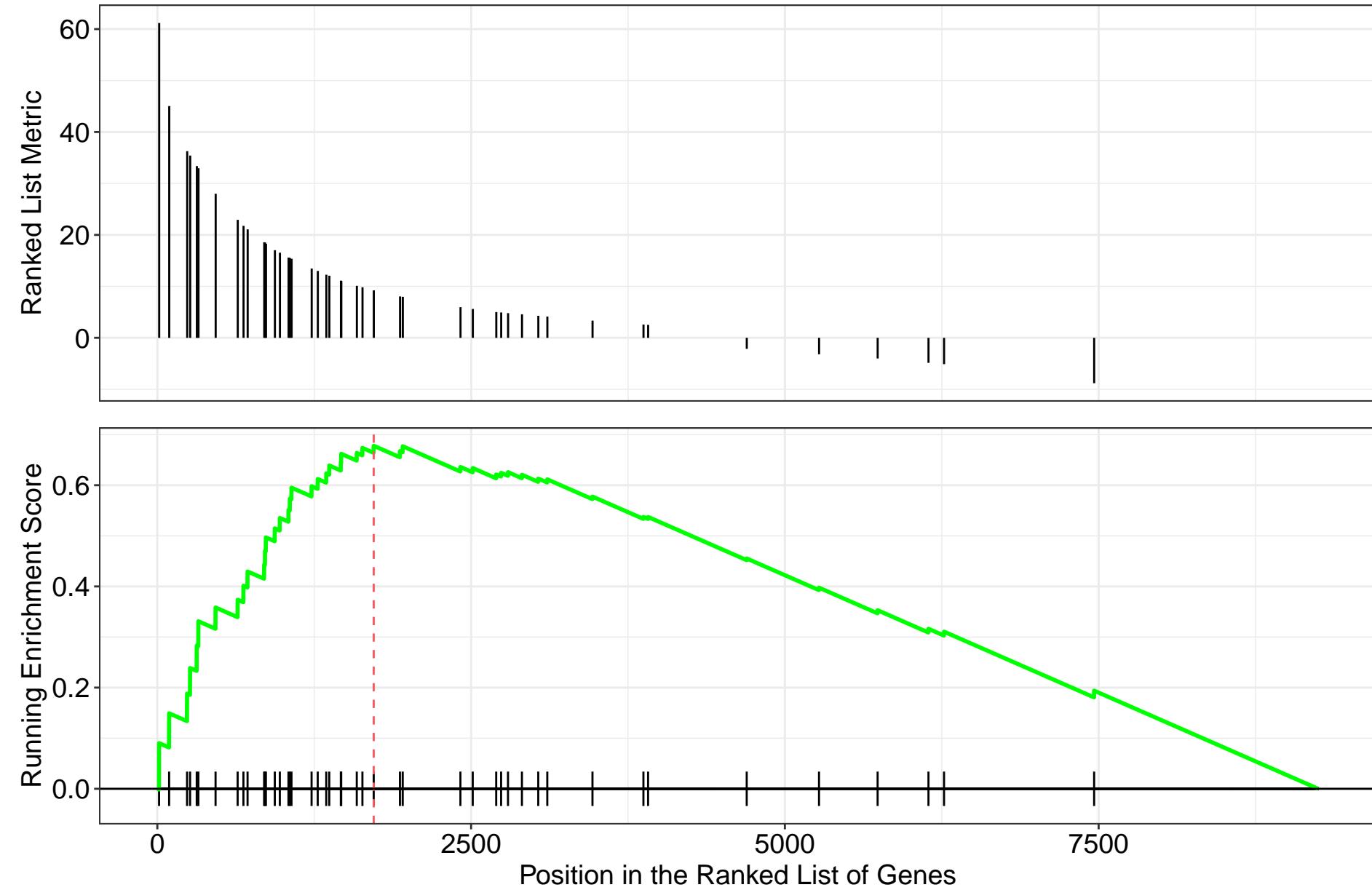
Running Enrichment Score

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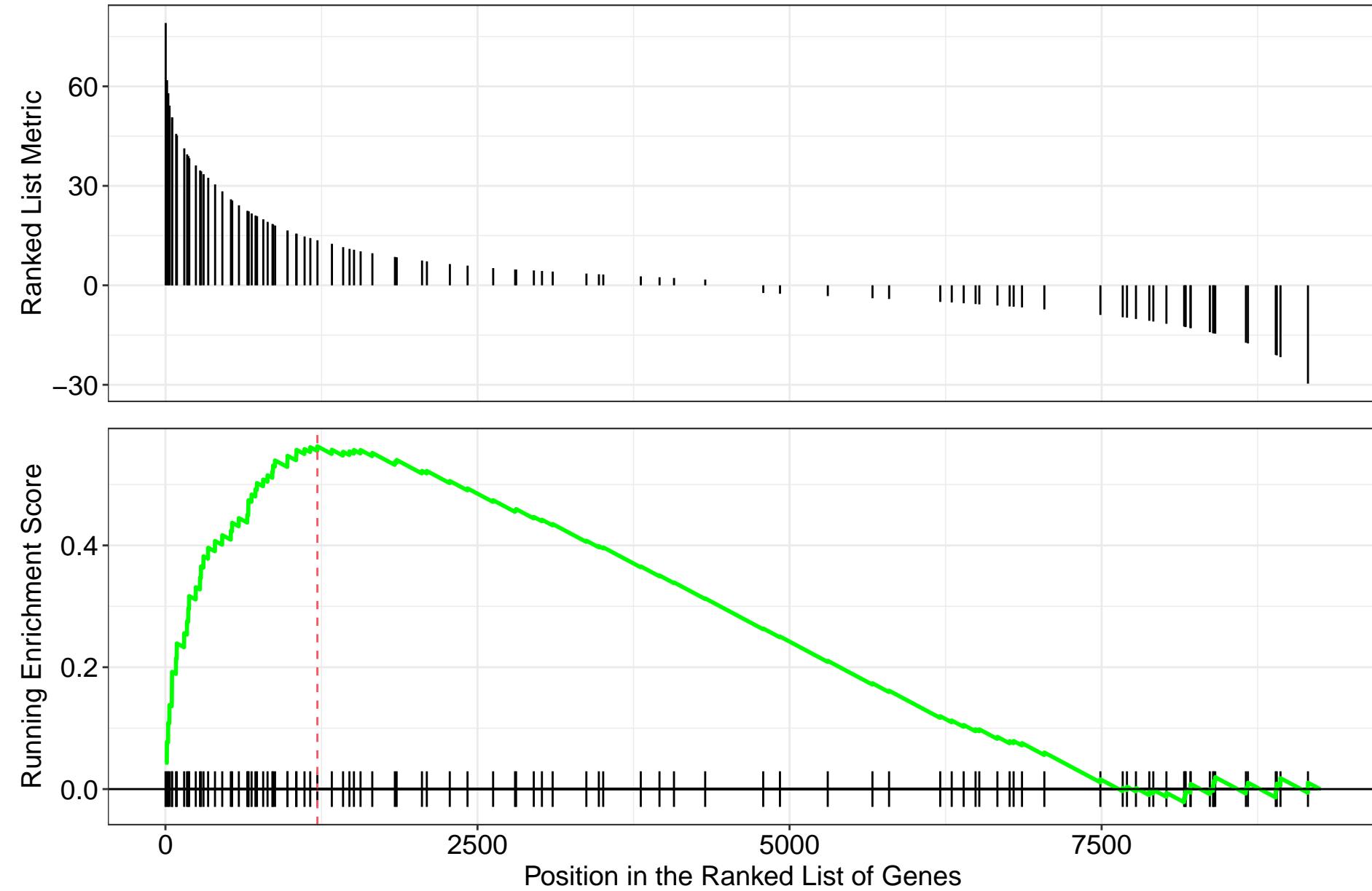
Position in the Ranked List of Genes



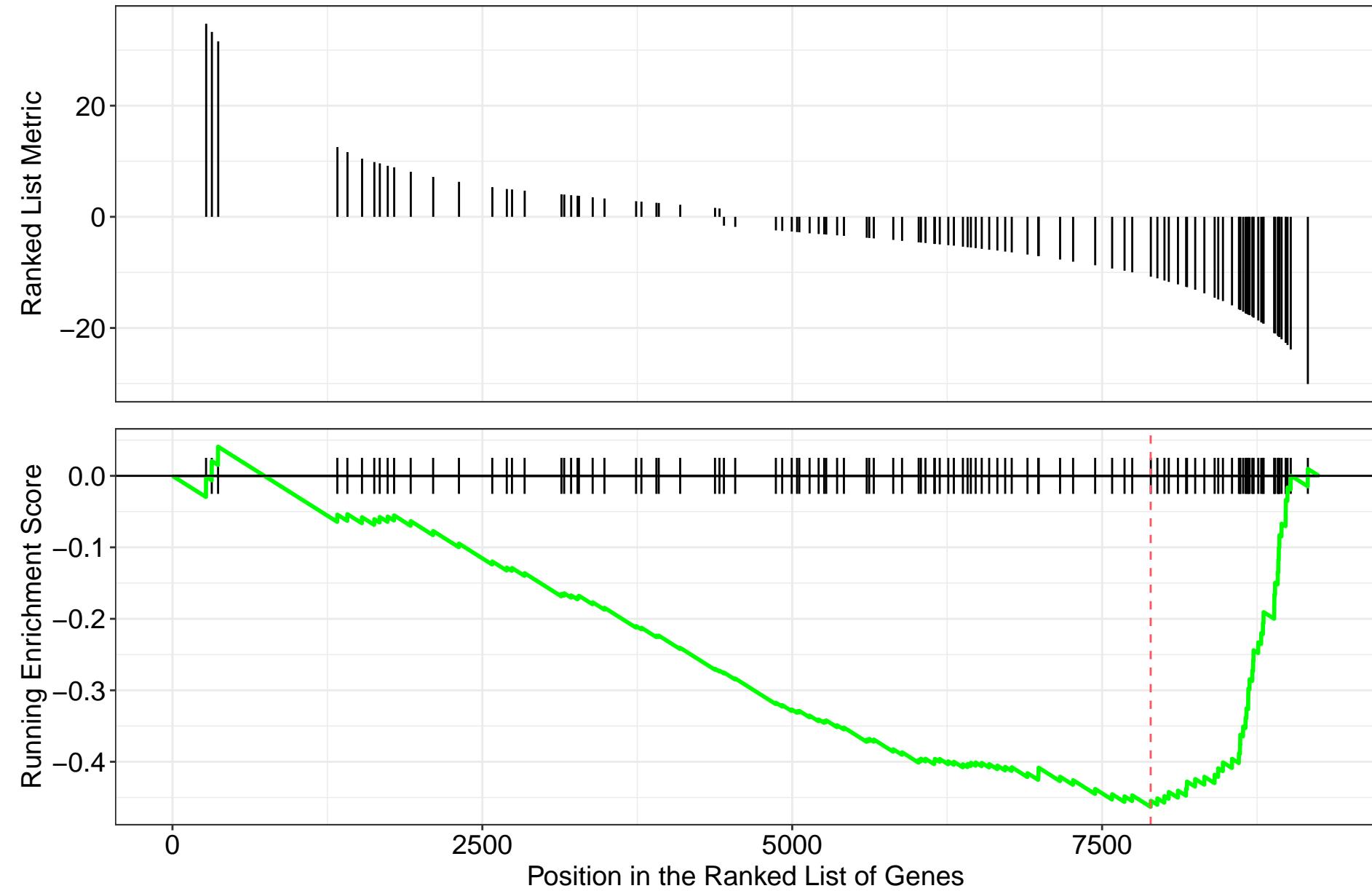
response to type I interferon



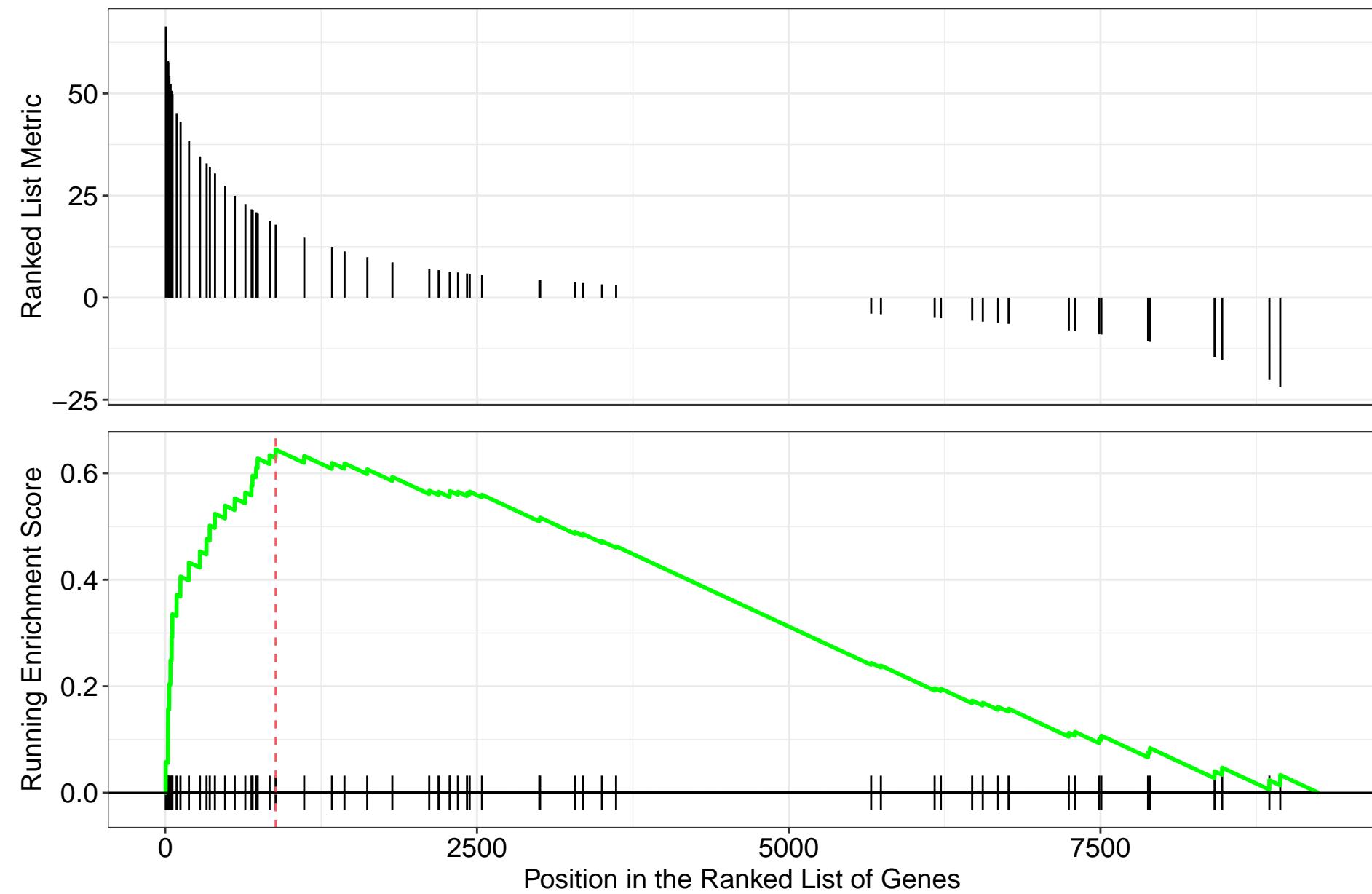
positive regulation of ERK1 and ERK2 cascade



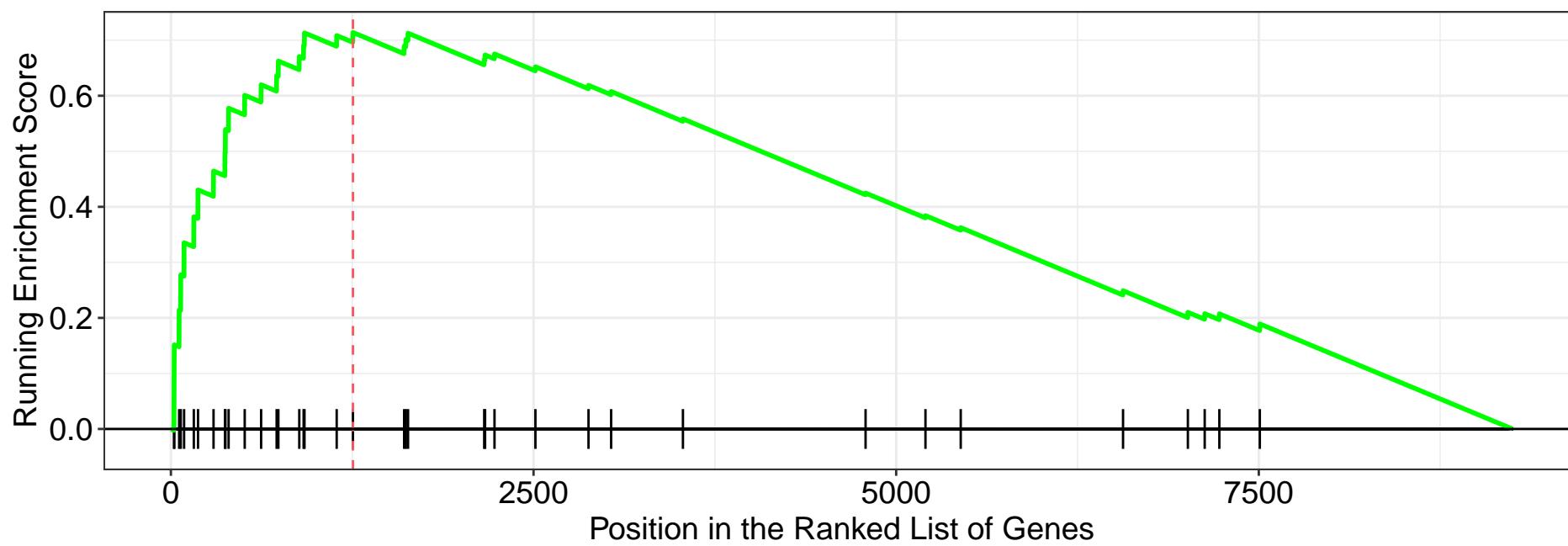
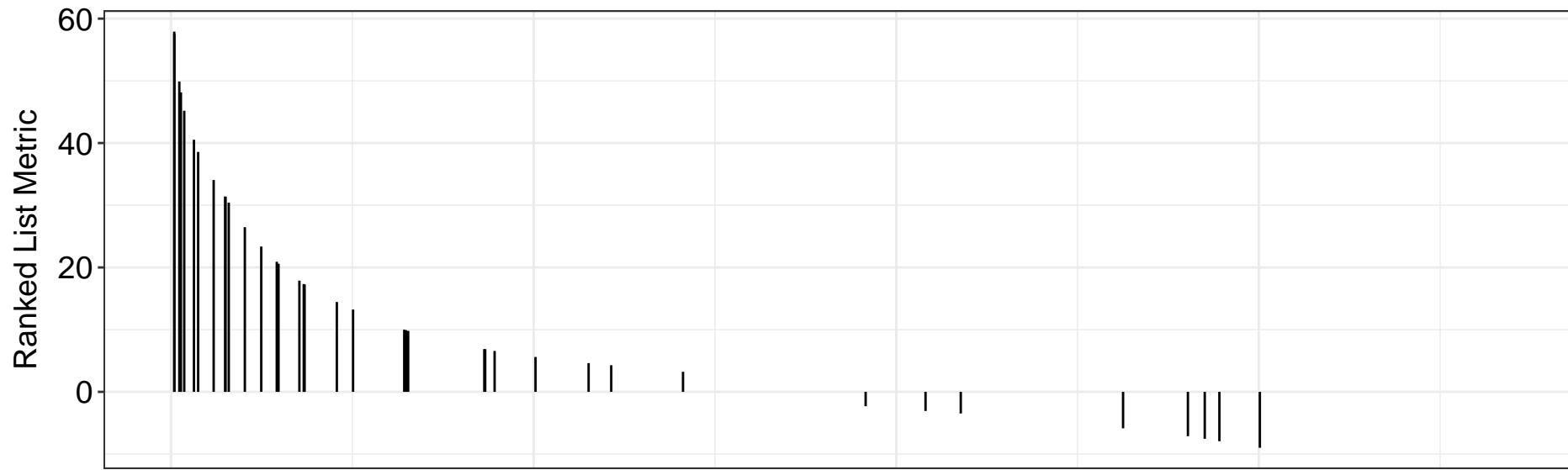
spindle organization



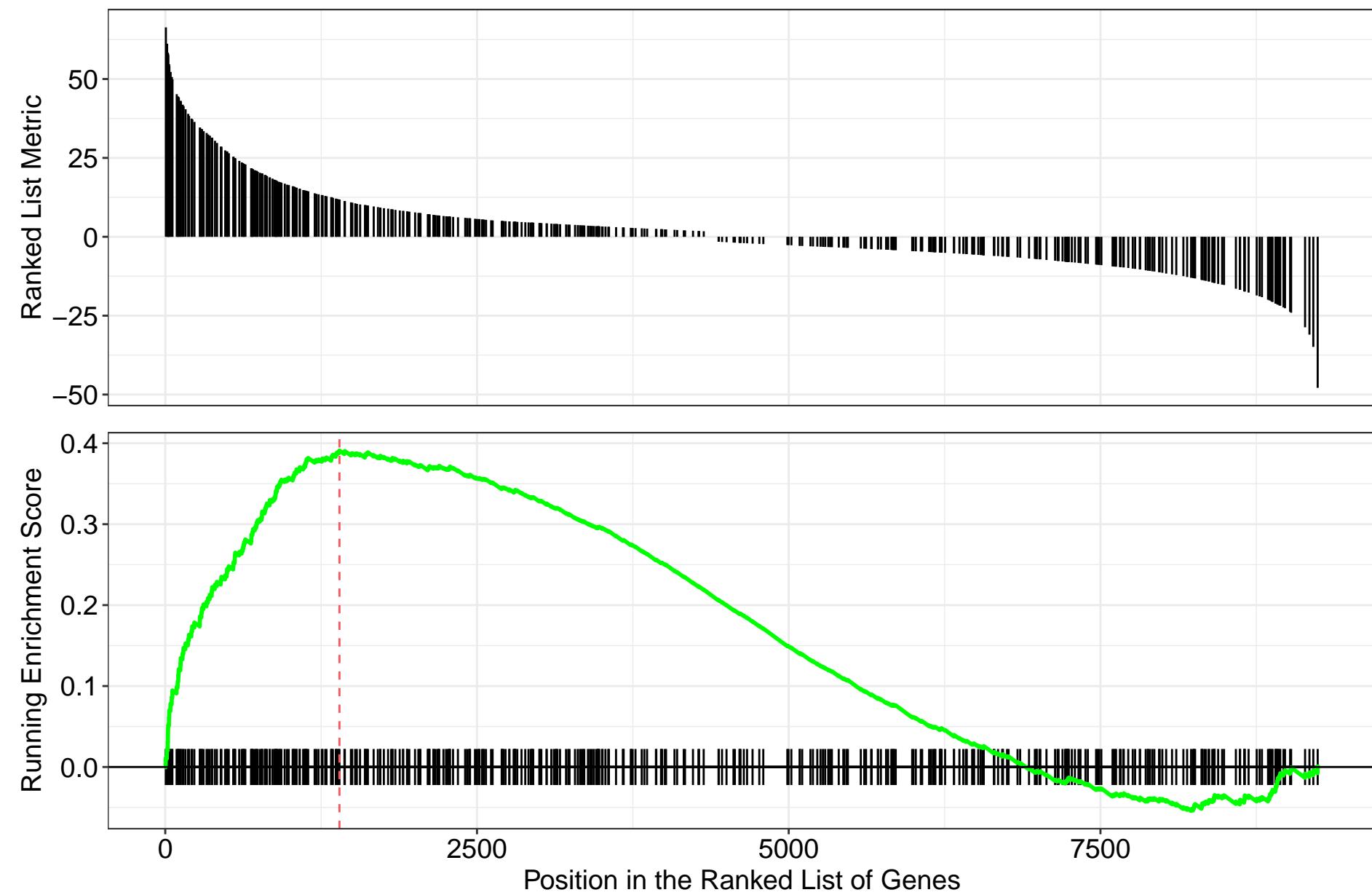
positive regulation of T cell proliferation



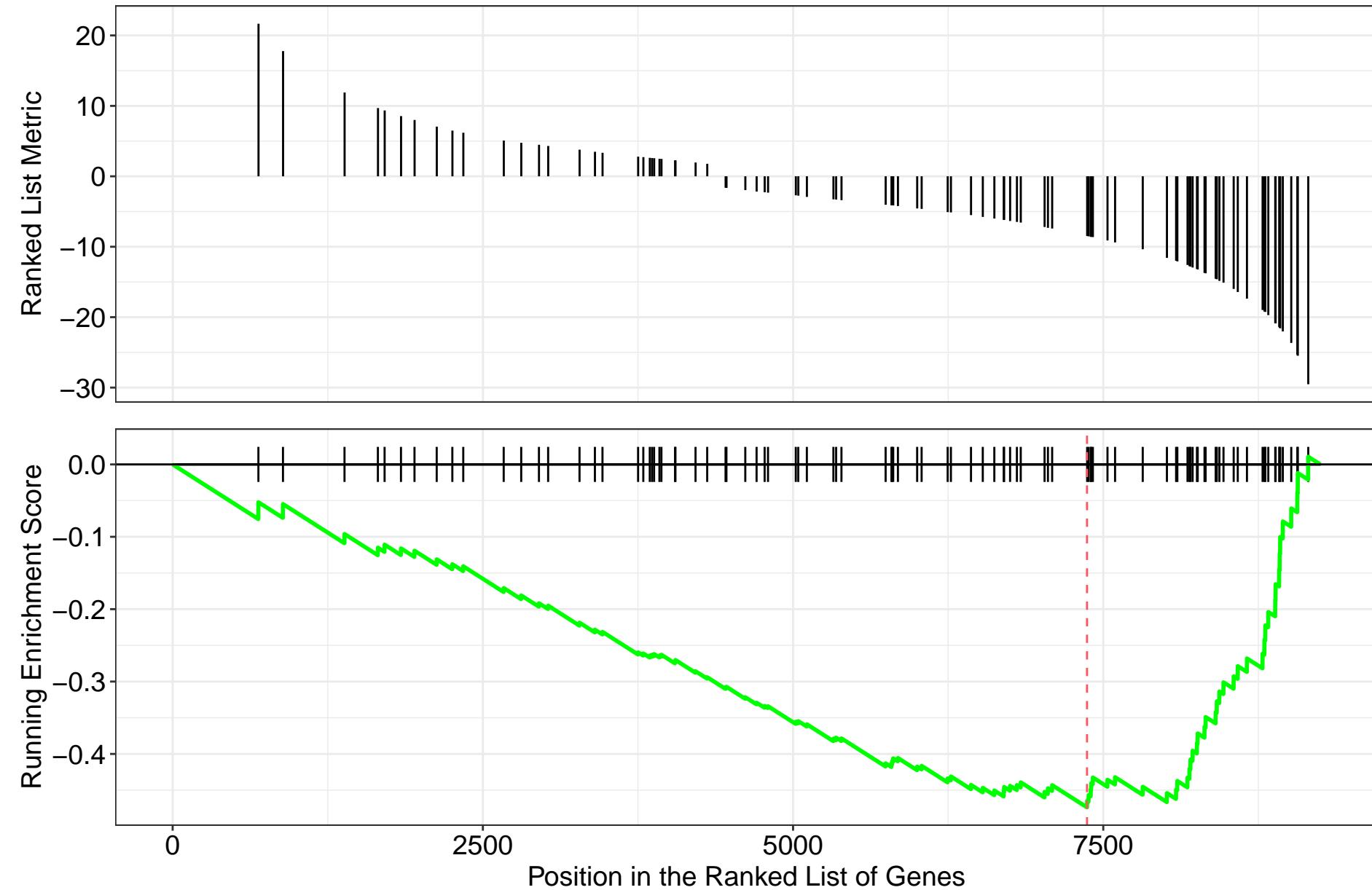
regulation of tyrosine phosphorylation of STAT protein



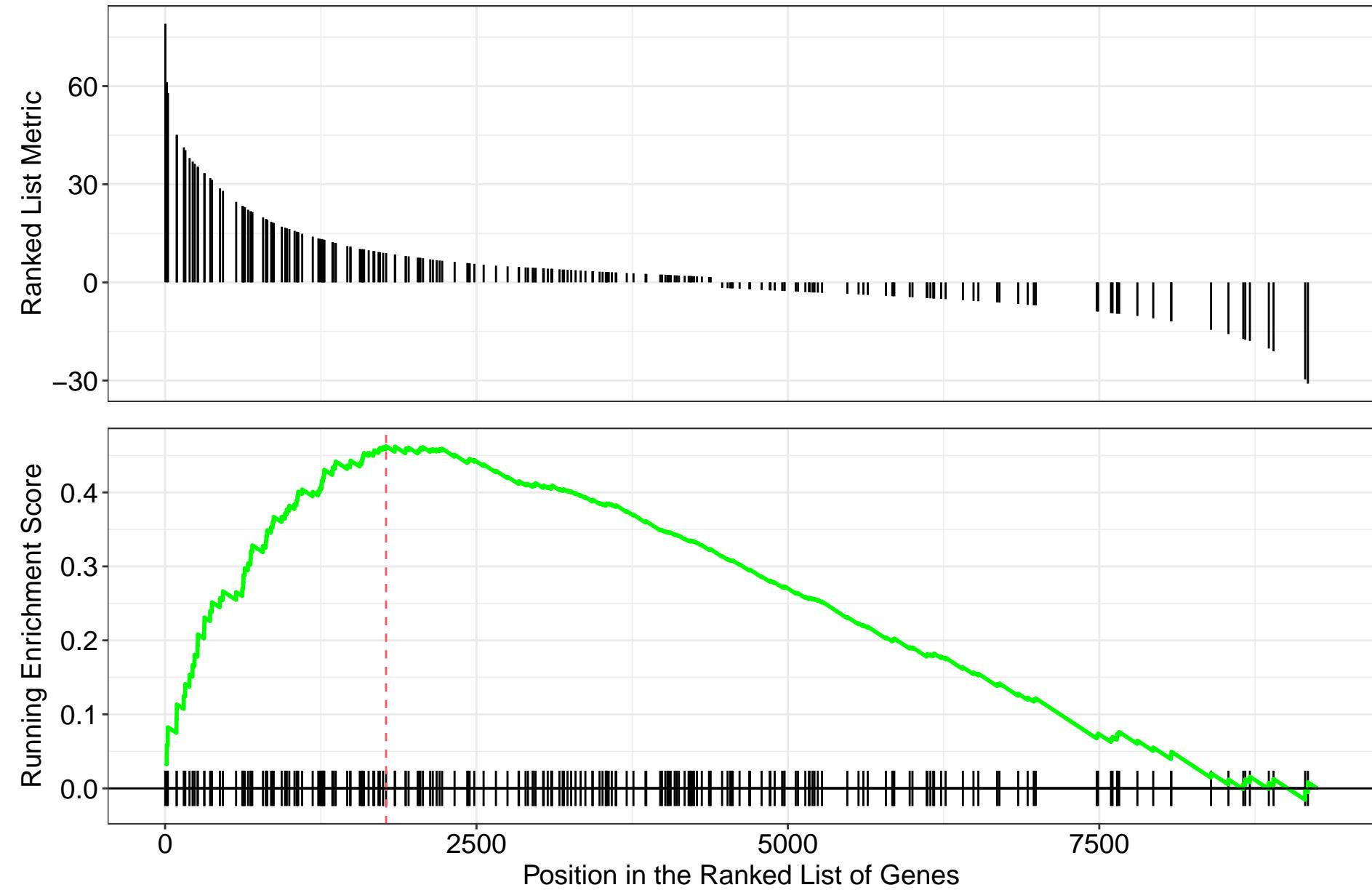
lymphocyte activation



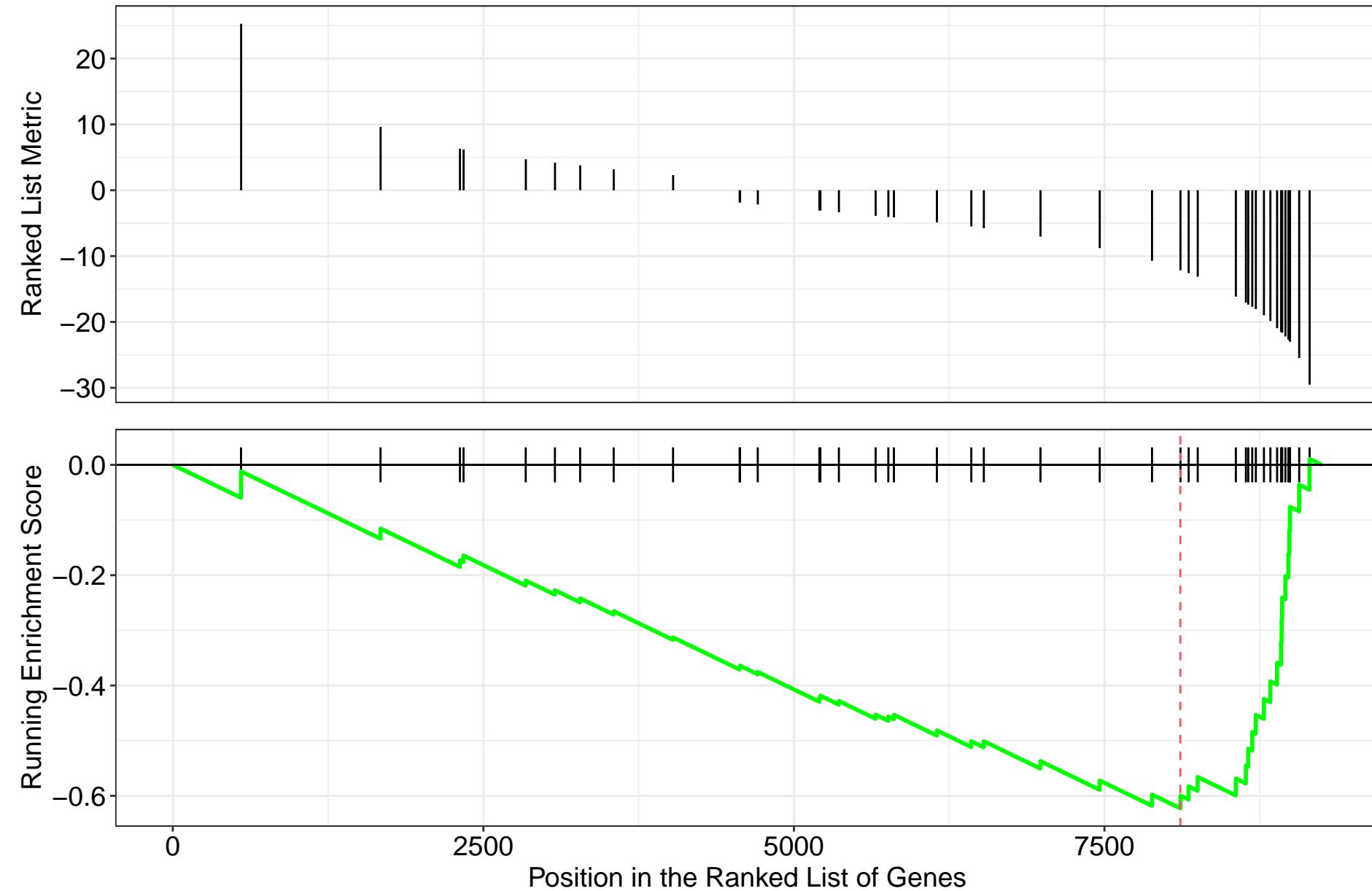
cell cycle G2/M phase transition



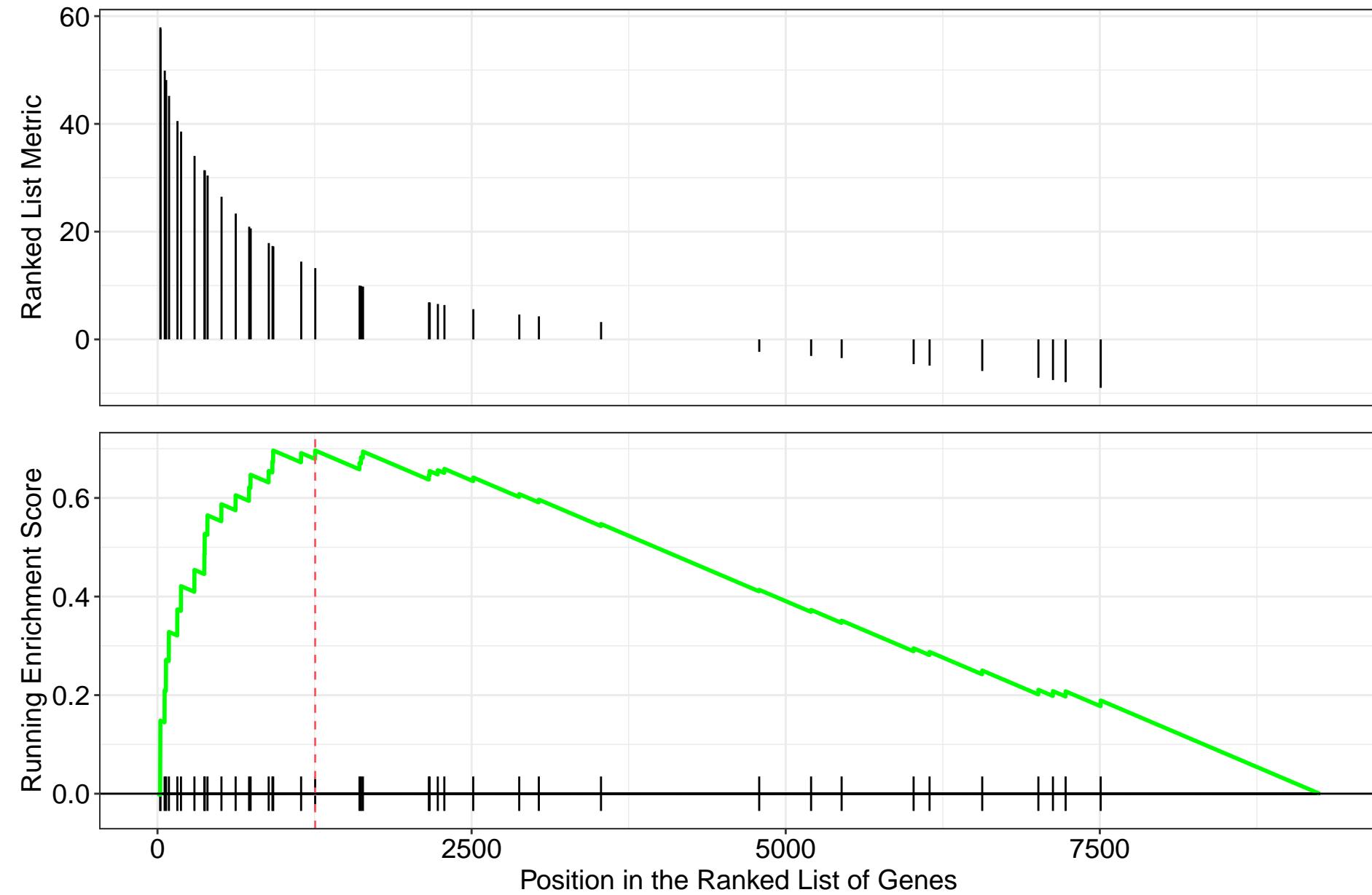
viral process



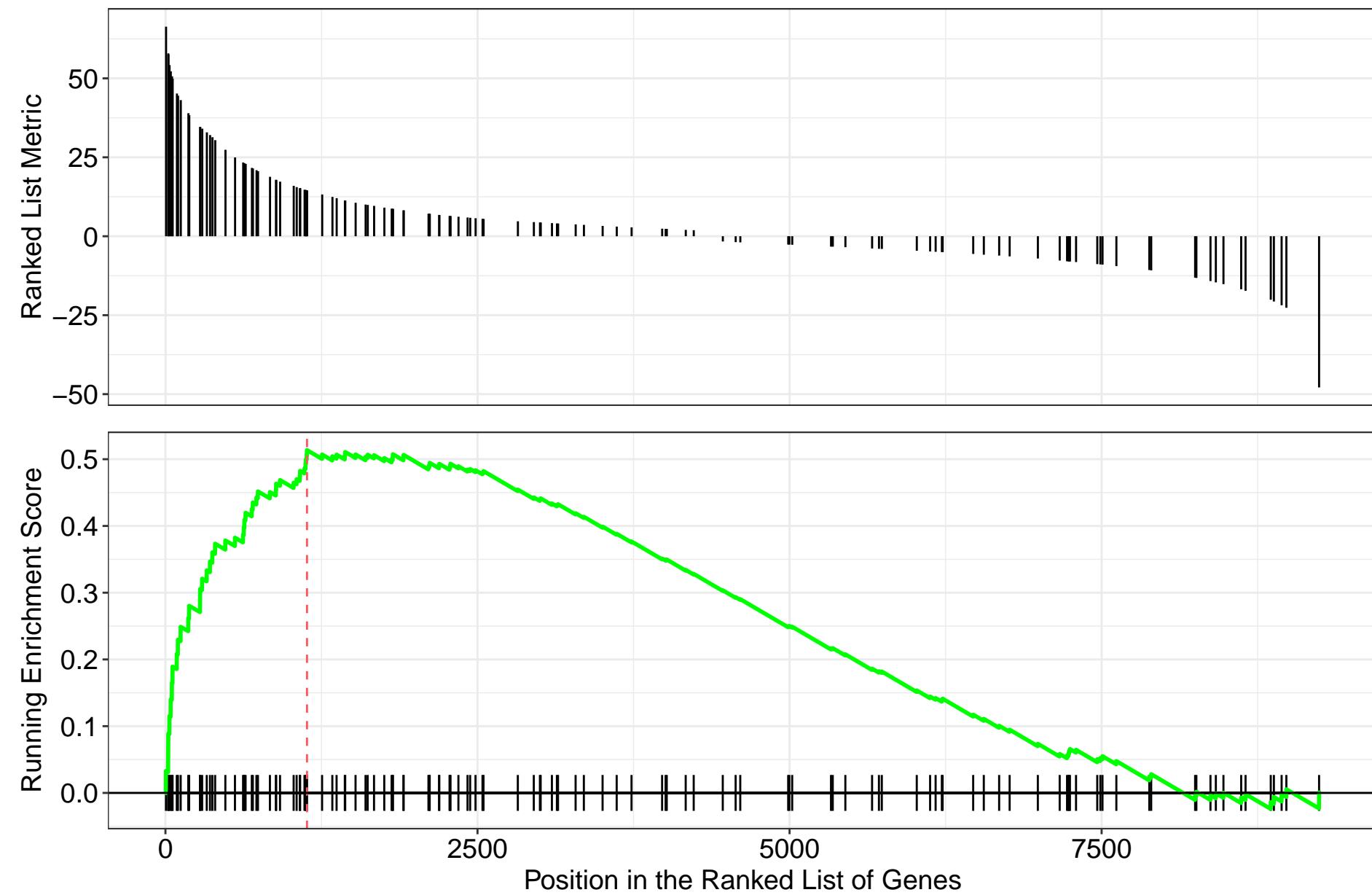
metaphase plate congression



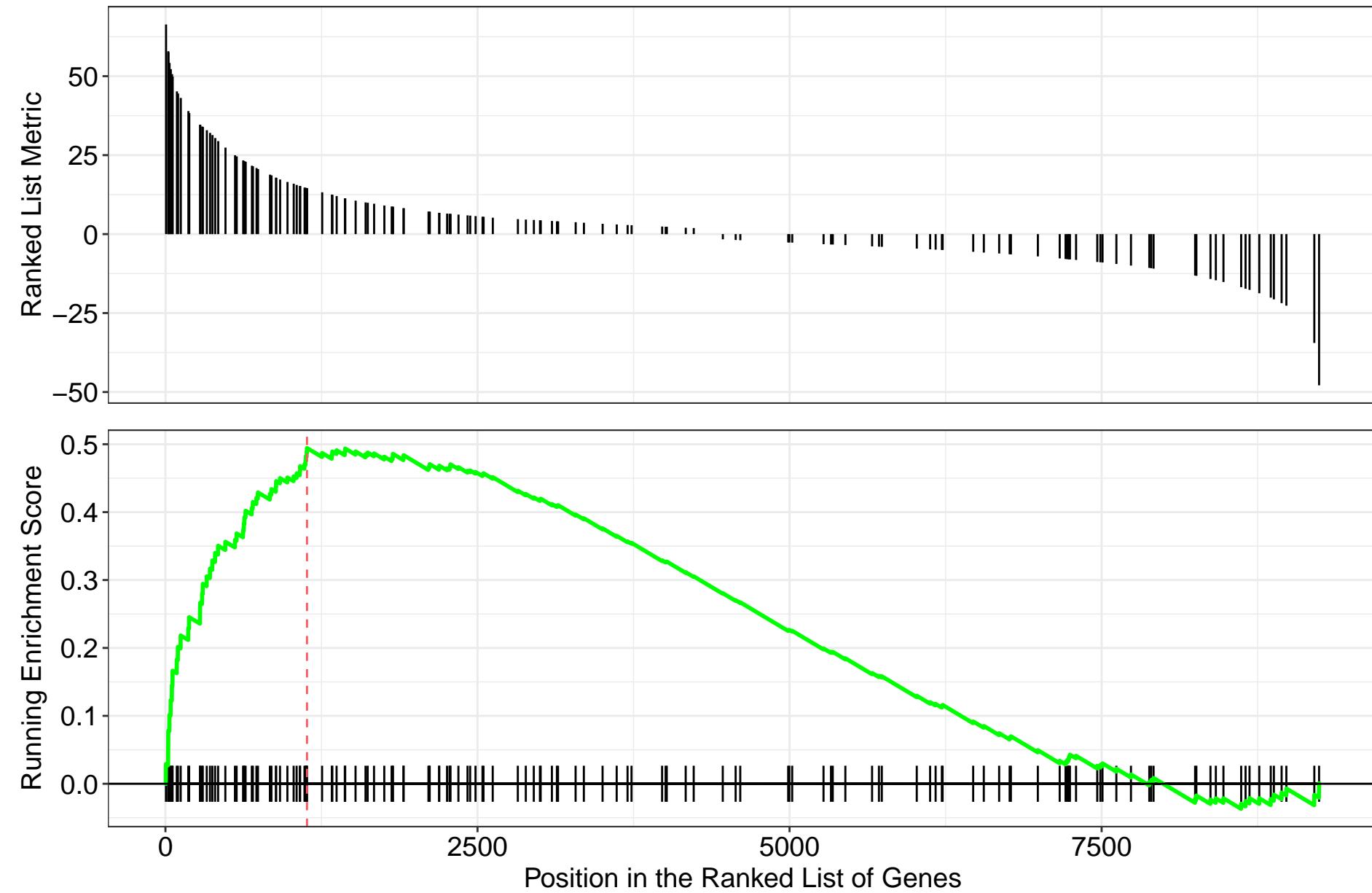
tyrosine phosphorylation of STAT protein



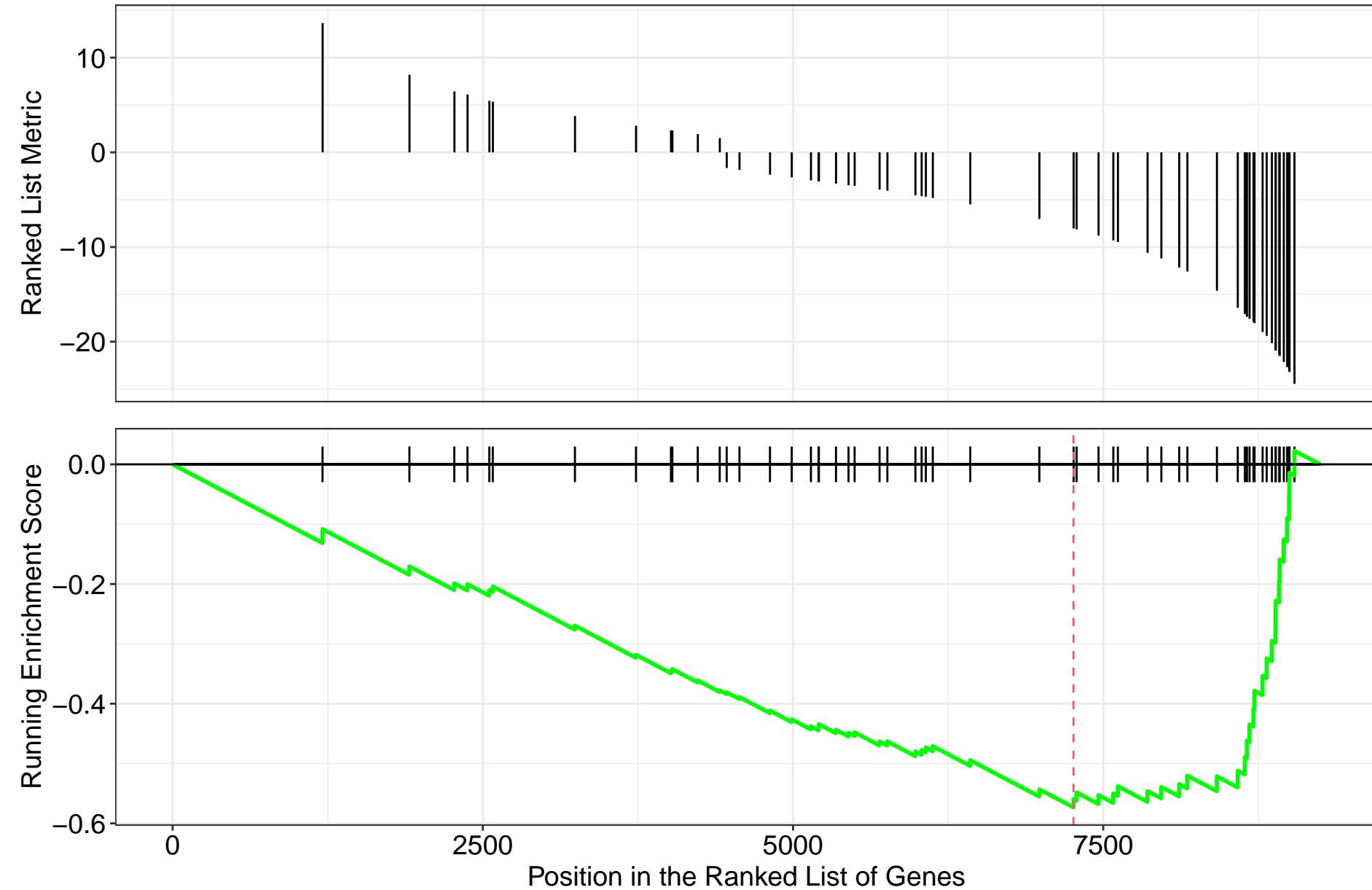
positive regulation of T cell activation



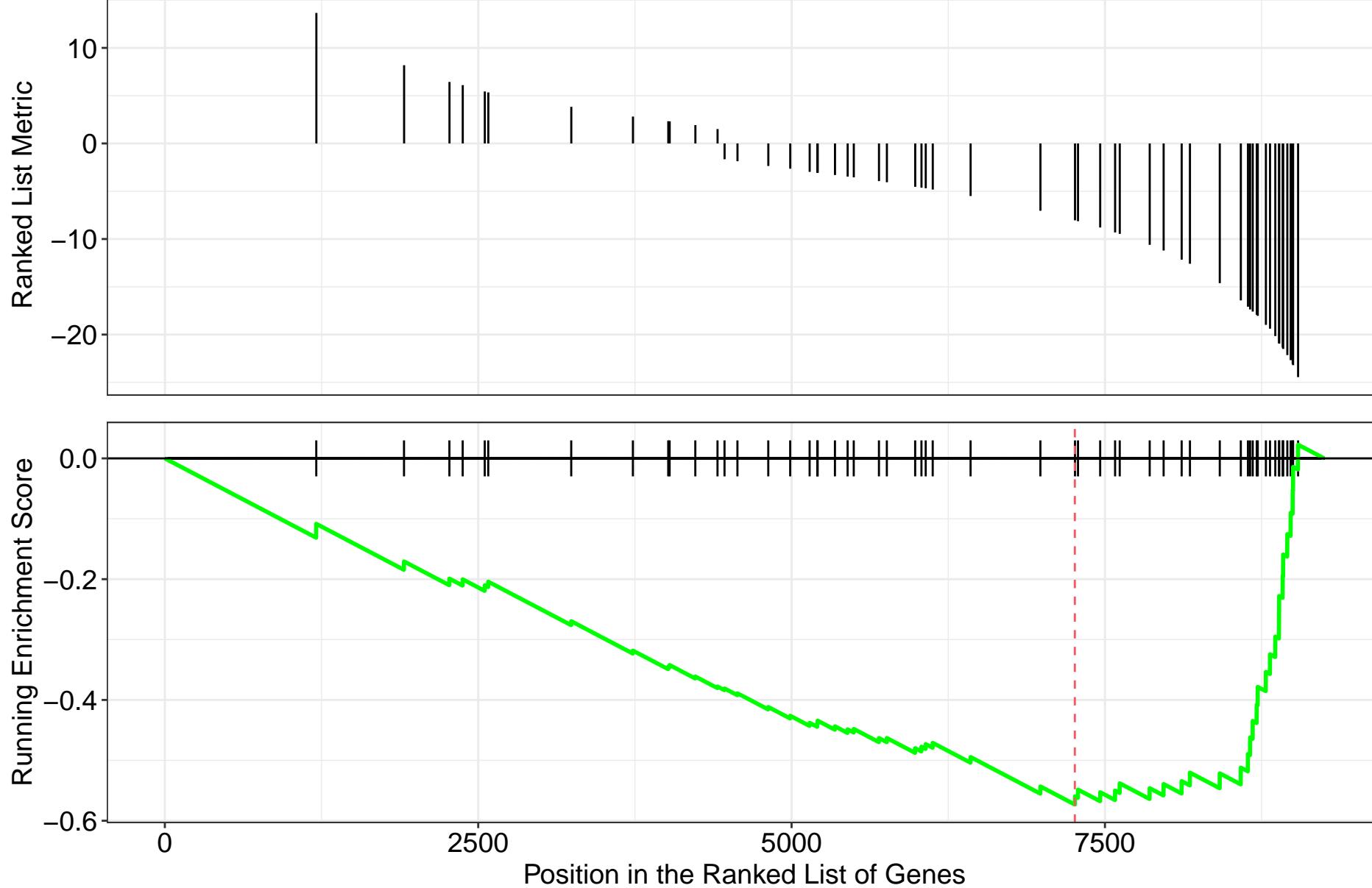
positive regulation of leukocyte cell–cell adhesion



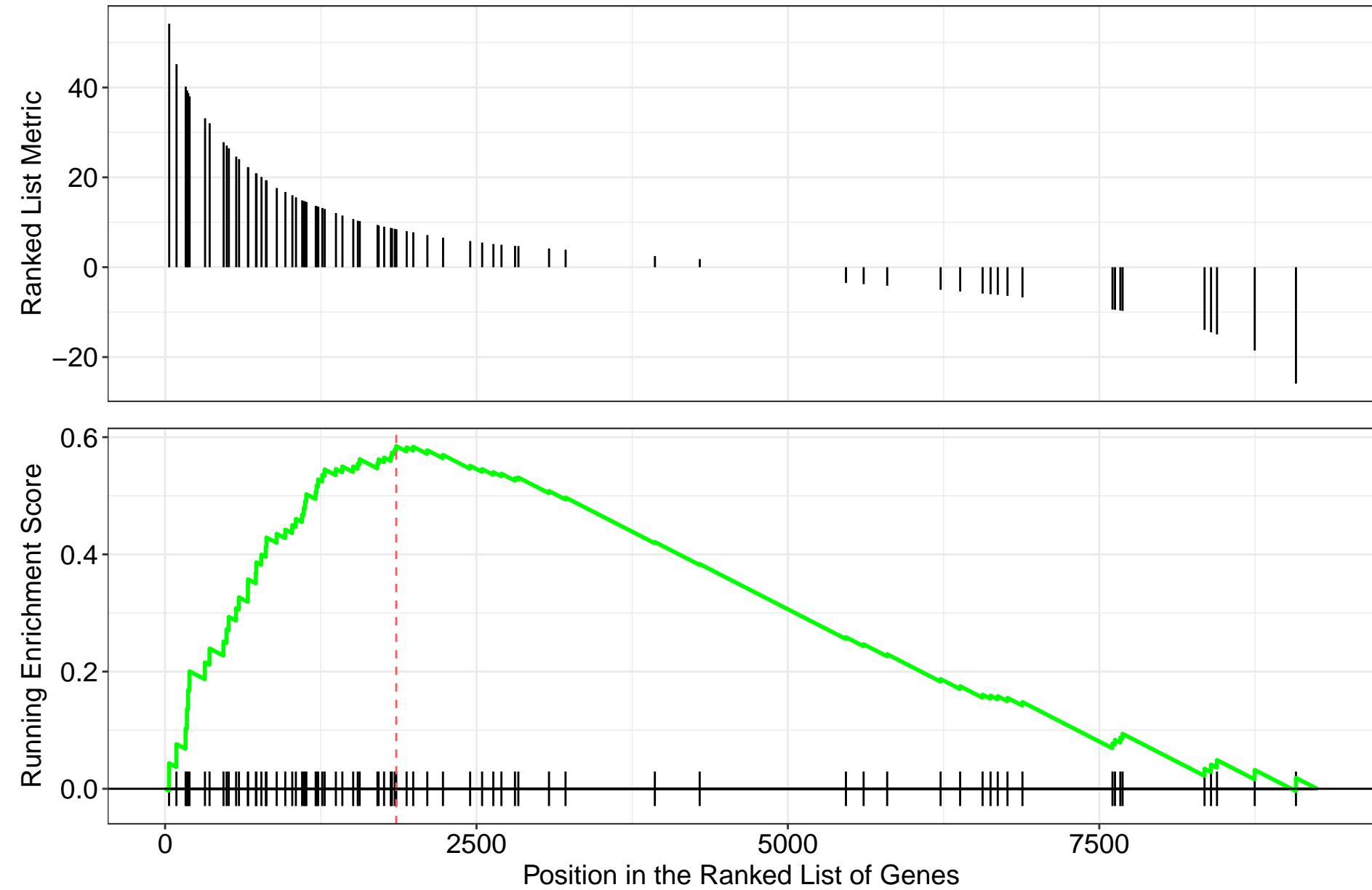
metaphase/anaphase transition of mitotic cell cycle



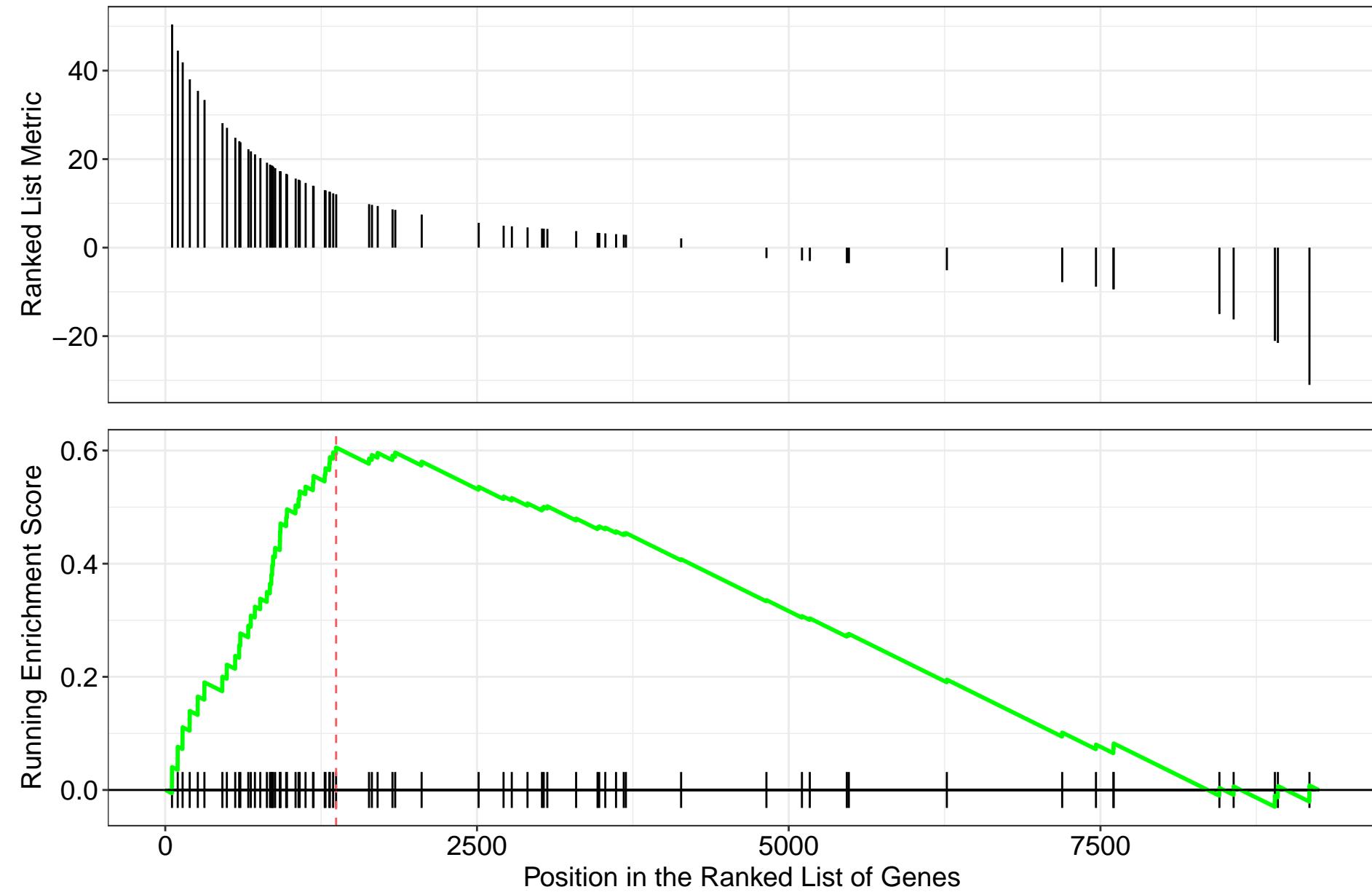
metaphase/anaphase transition of cell cycle



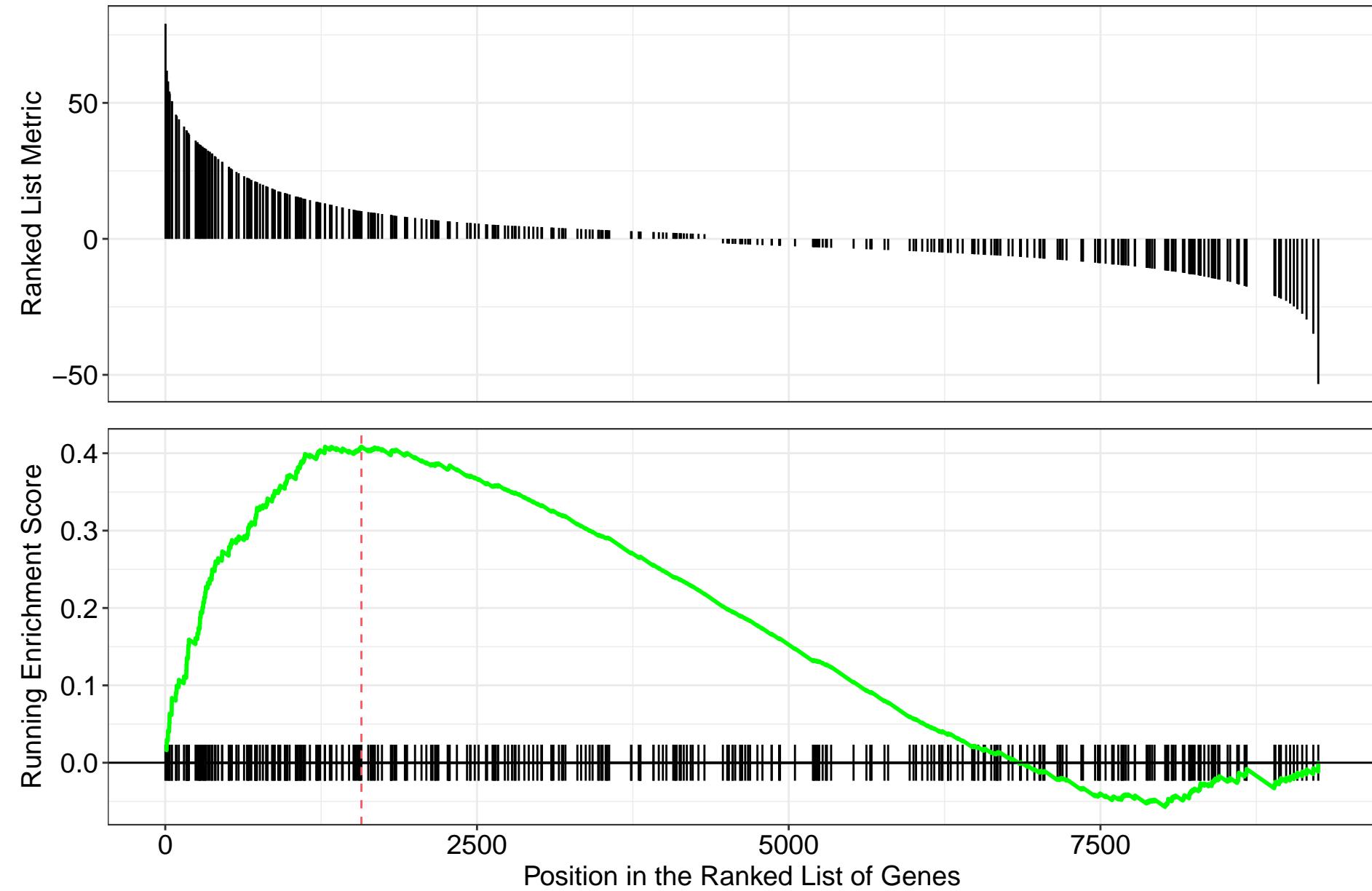
interleukin–1 production



negative regulation of response to biotic stimulus

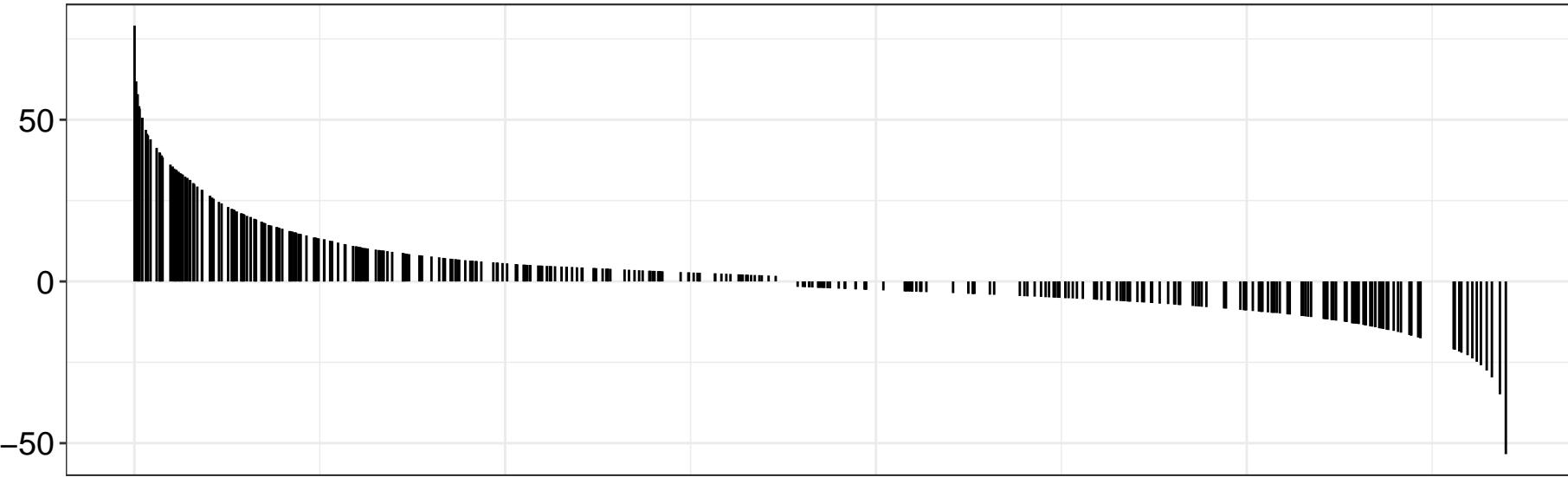


regulation of MAPK cascade



MAPK cascade

Ranked List Metric



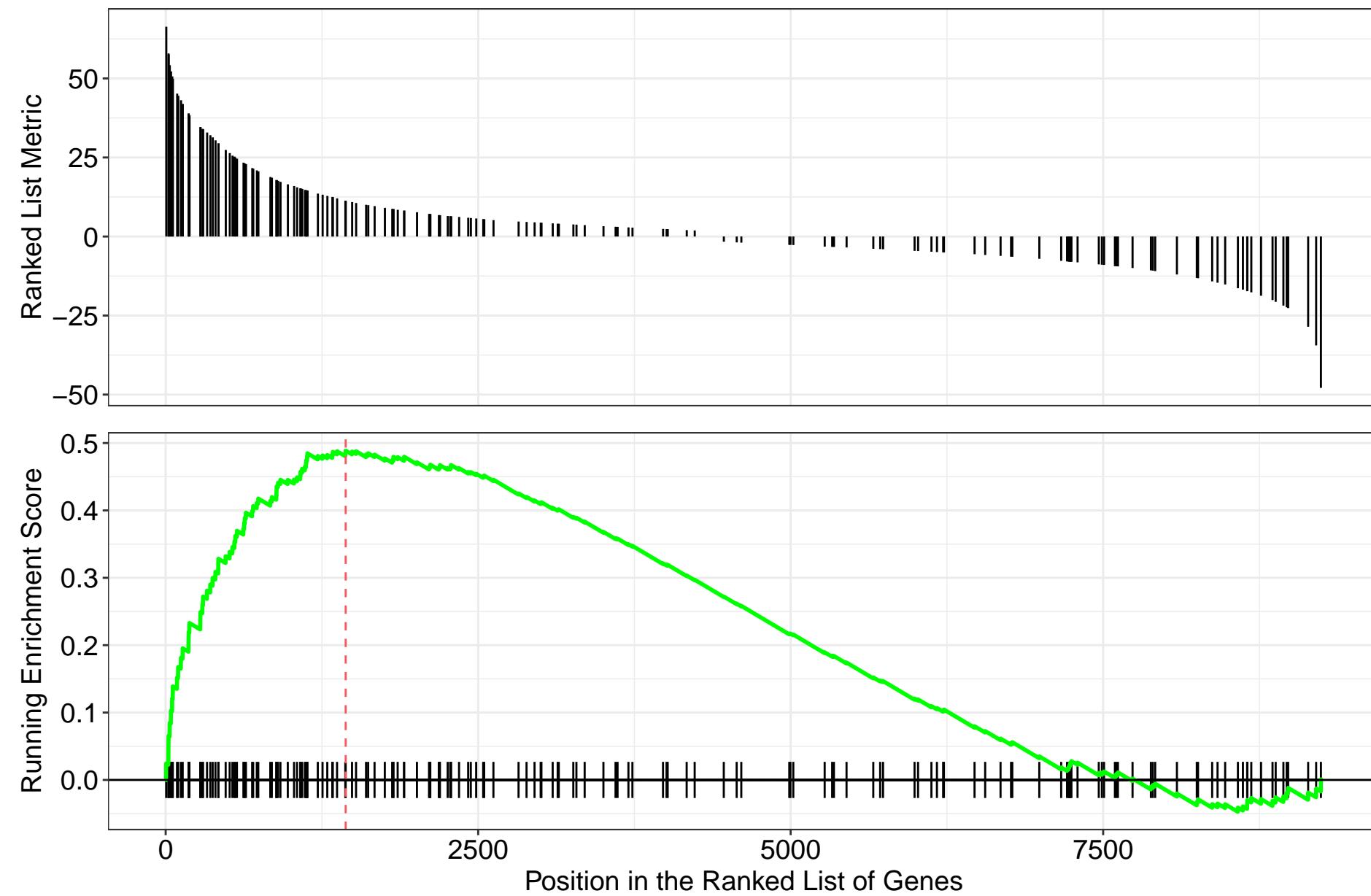
Running Enrichment Score

0 2500 5000 7500

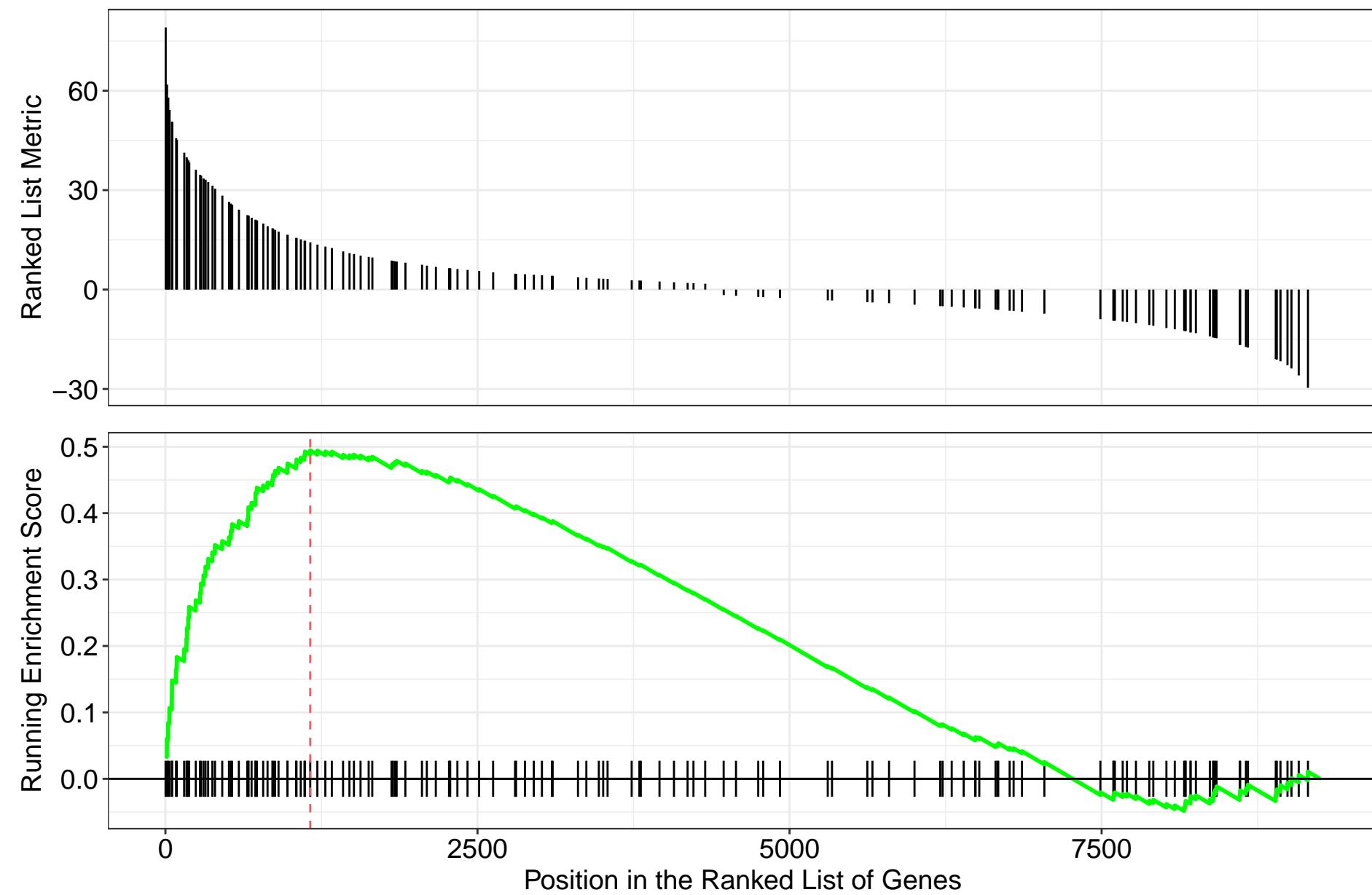
Position in the Ranked List of Genes



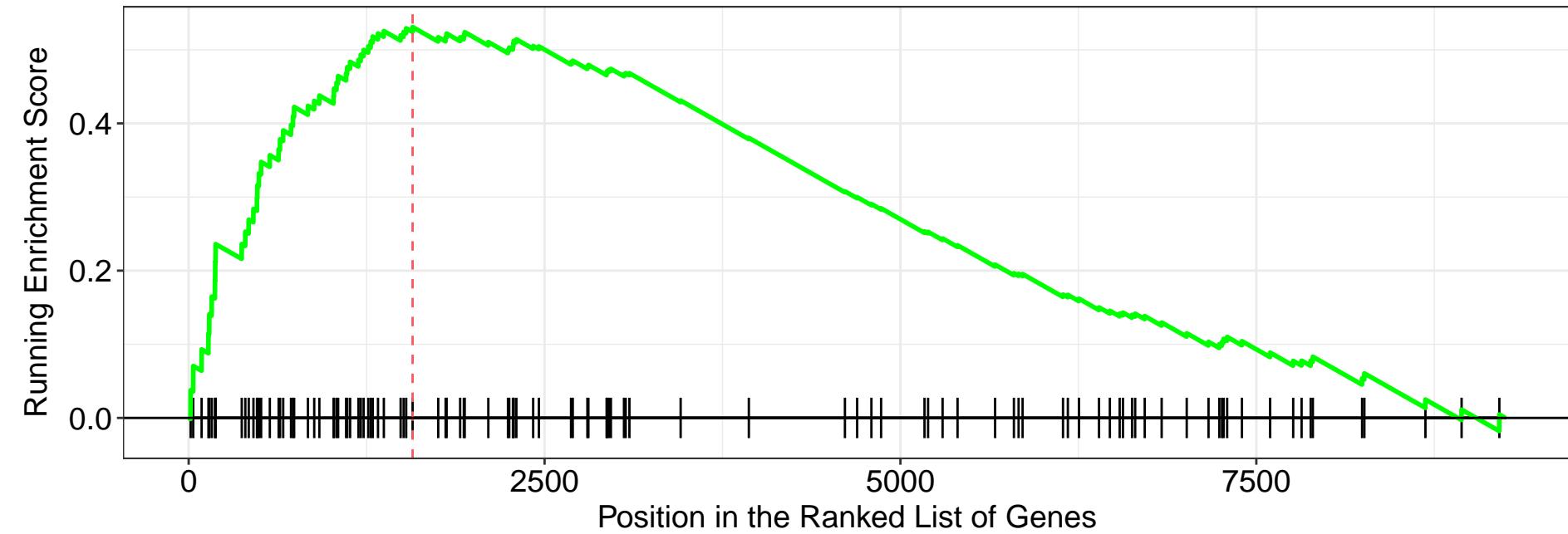
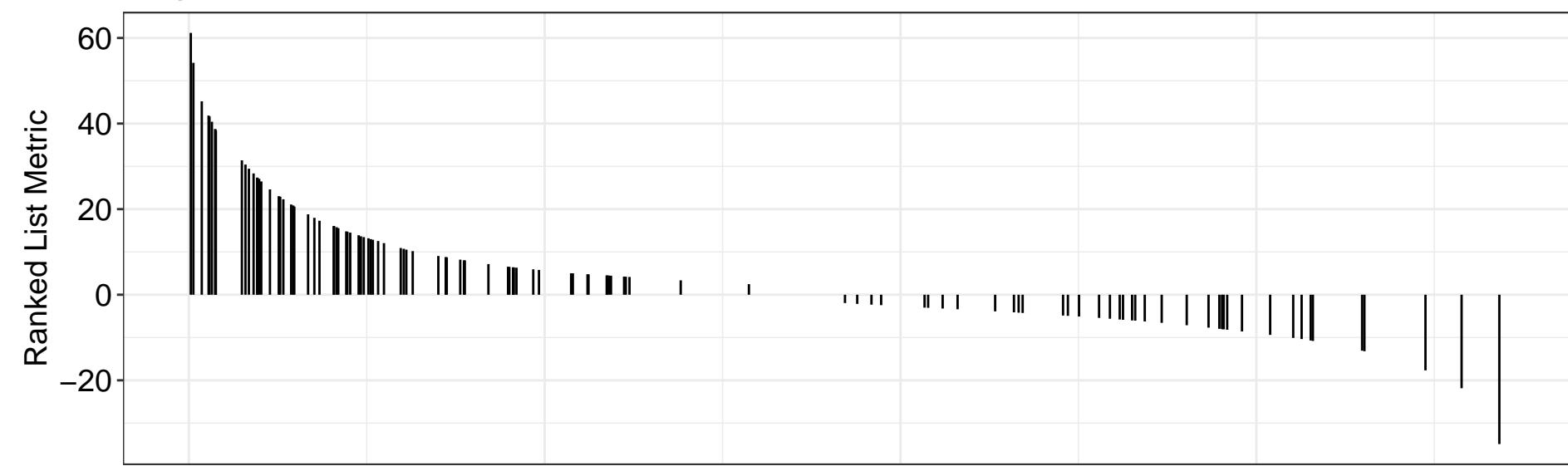
positive regulation of cell–cell adhesion



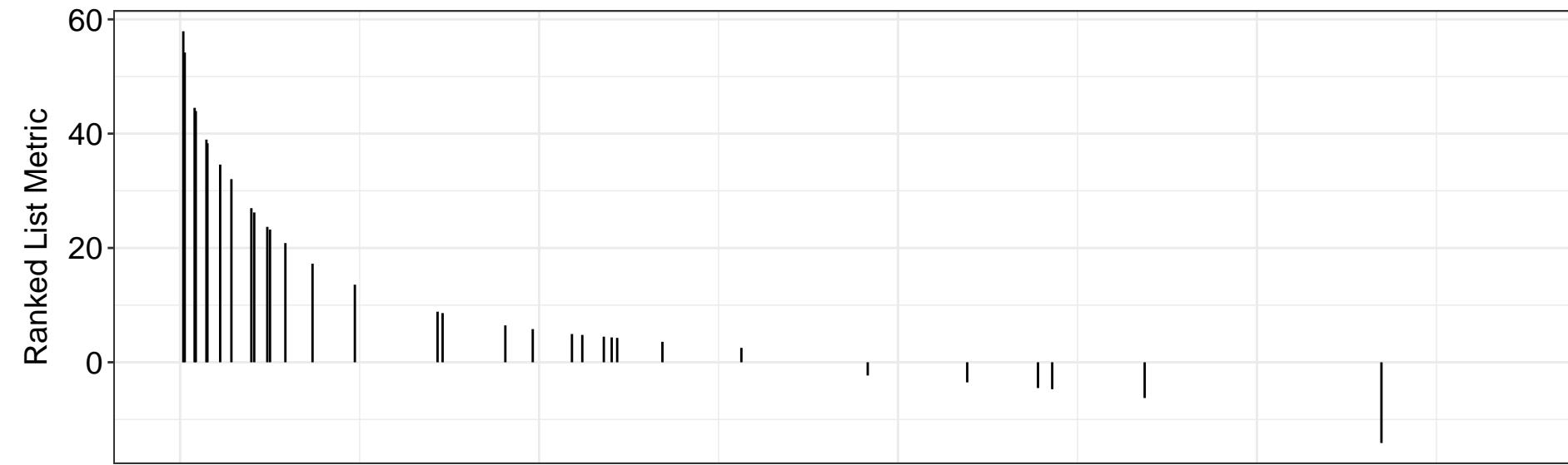
regulation of ERK1 and ERK2 cascade



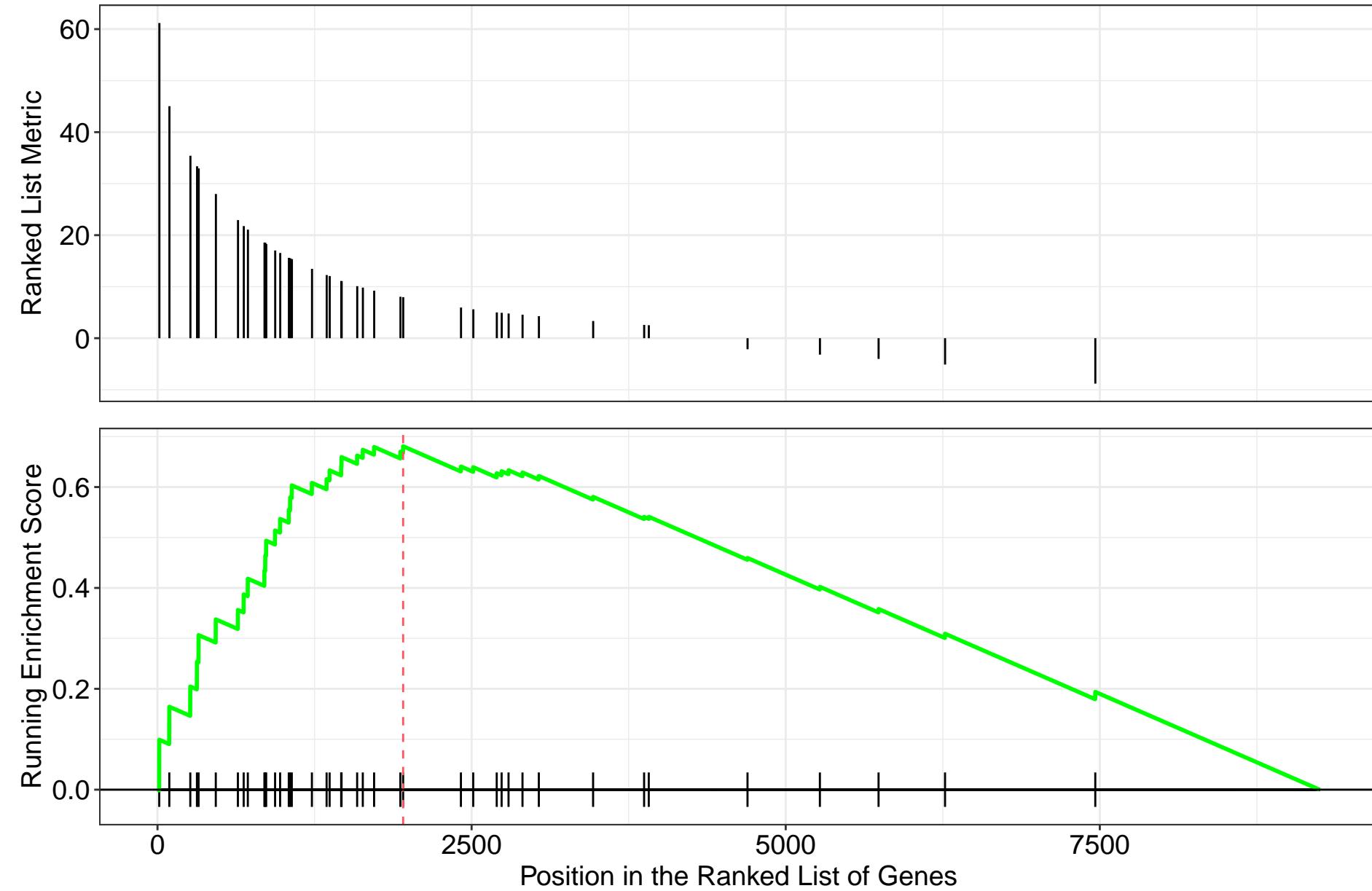
regulation of production of molecular mediator of immune response



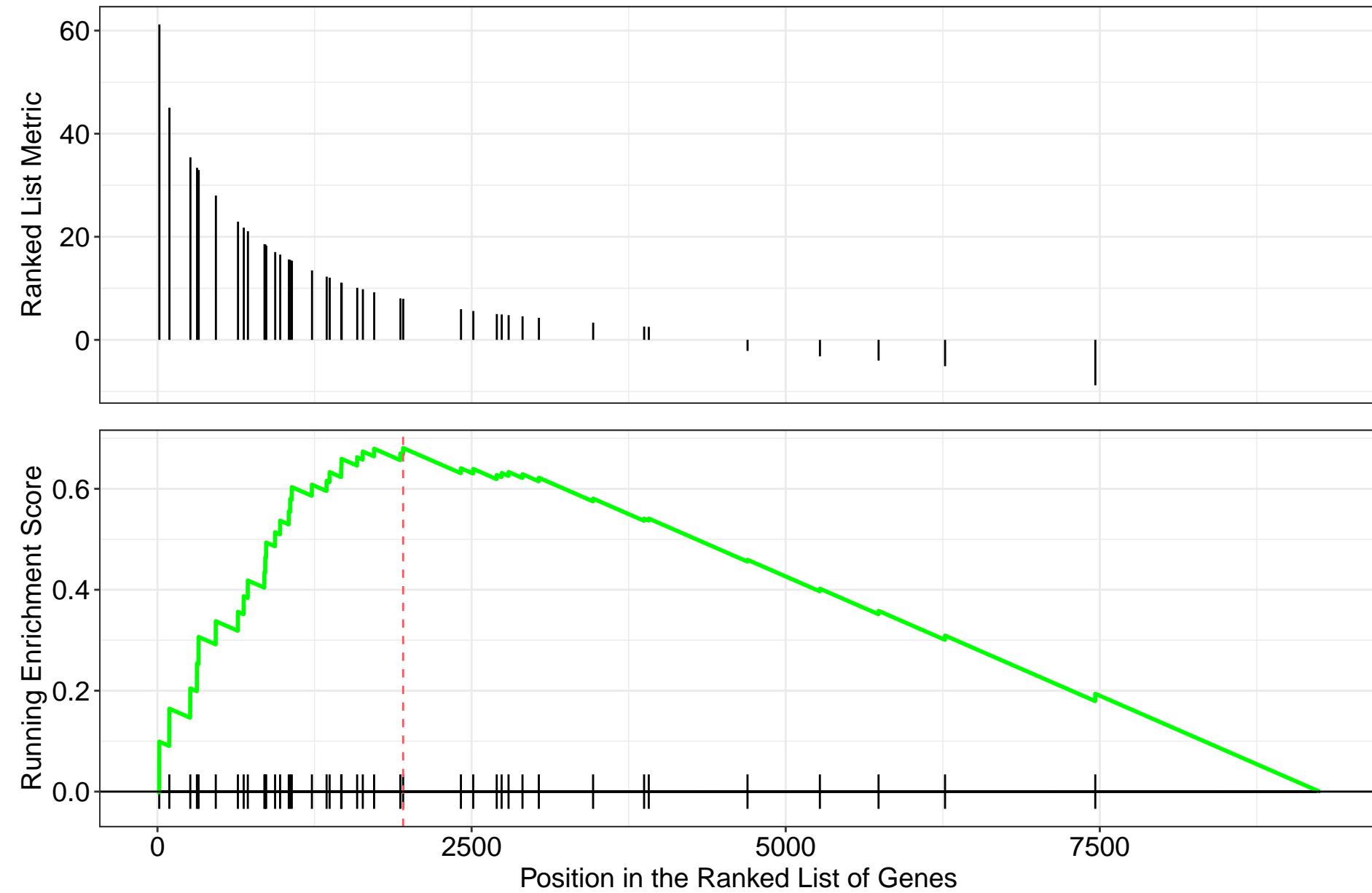
regulation of granulocyte chemotaxis



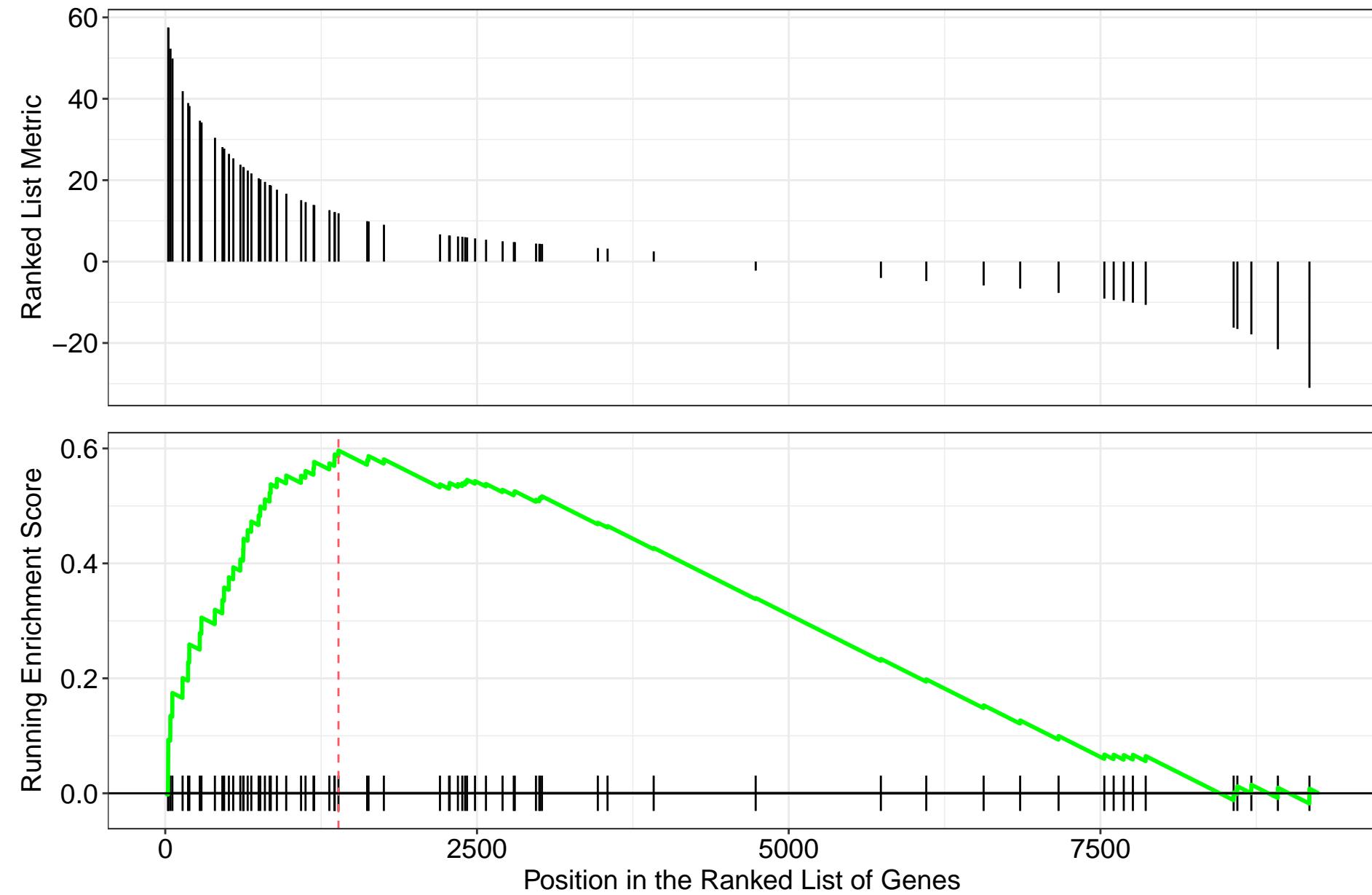
type I interferon signaling pathway



cellular response to type I interferon

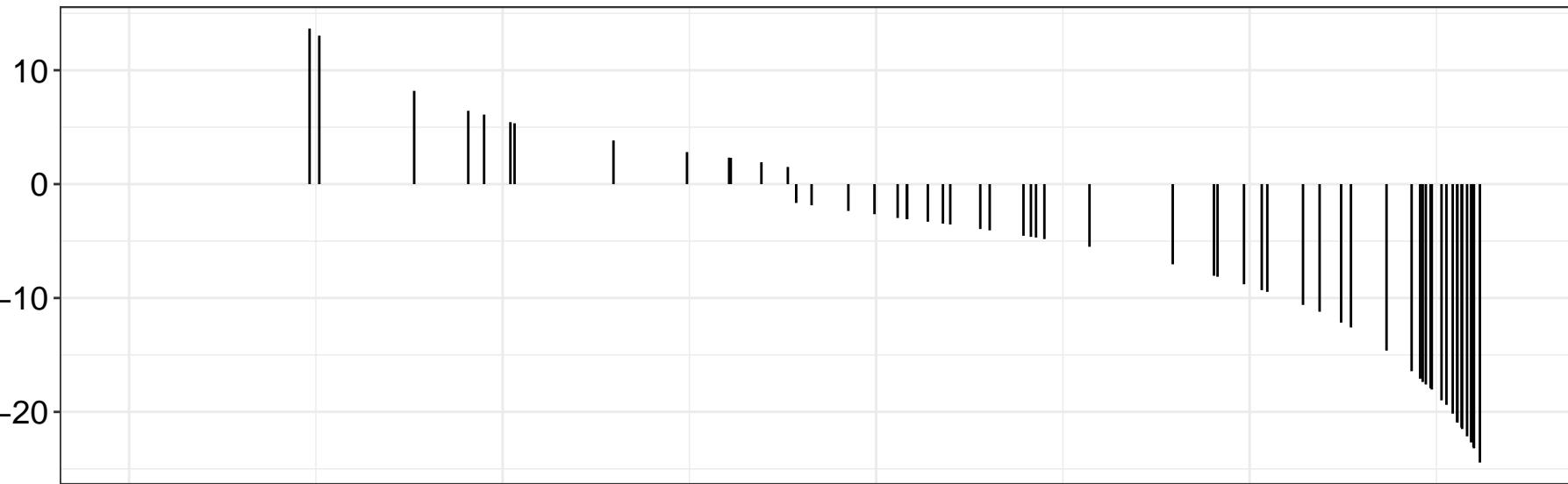


regulation of cell killing



regulation of mitotic sister chromatid separation

Ranked List Metric



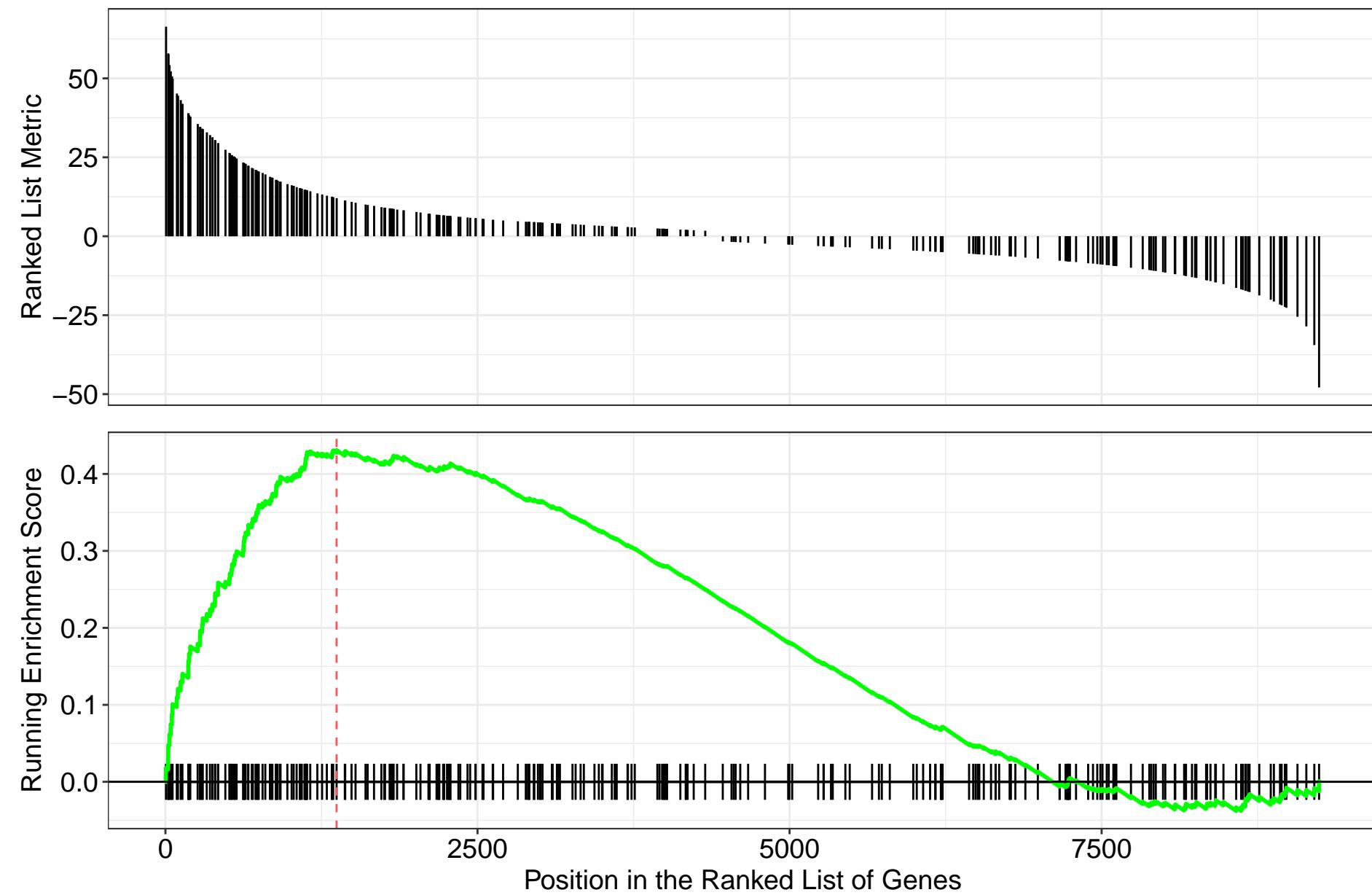
Running Enrichment Score

0 2500 5000 7500

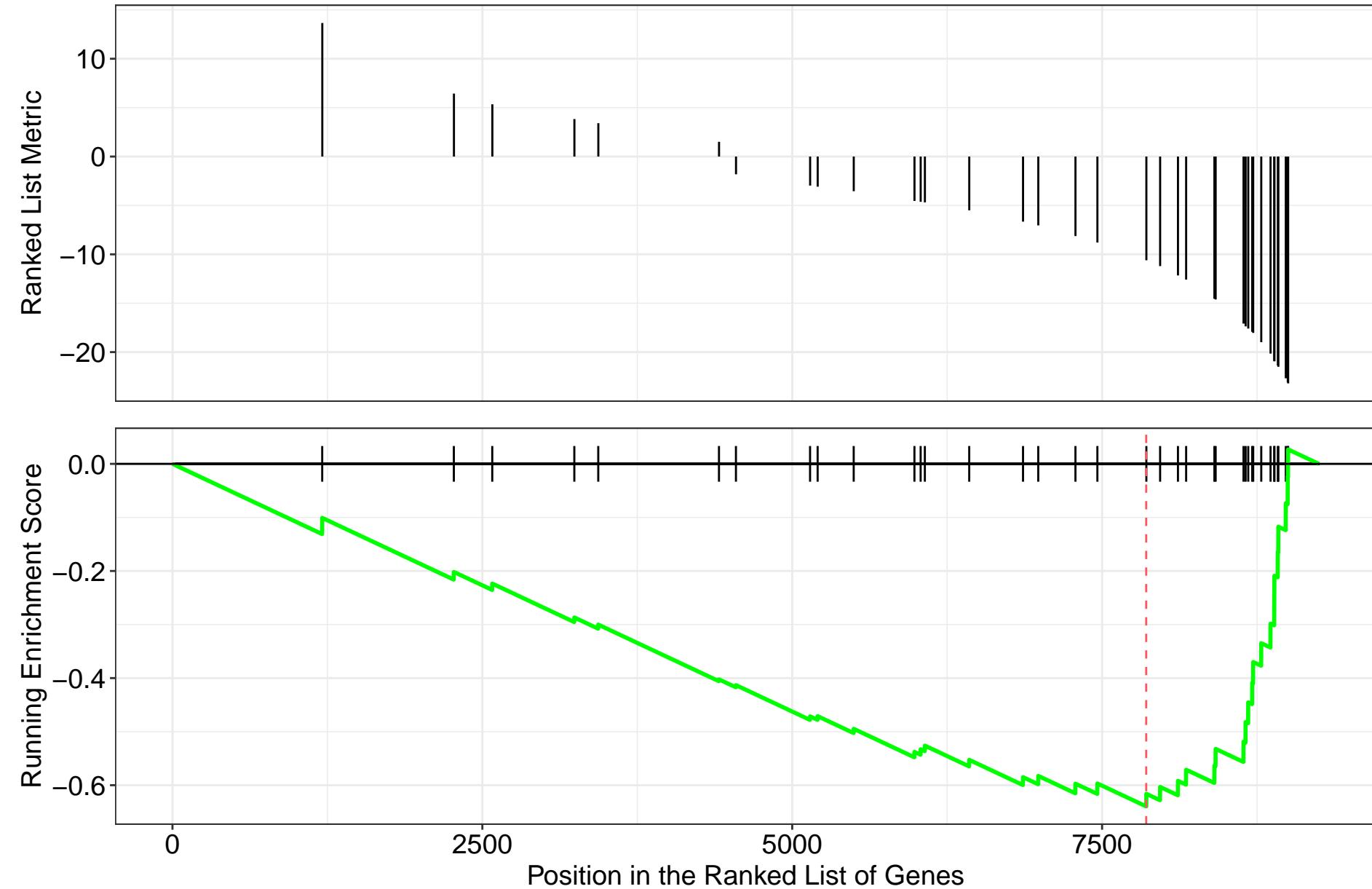
Position in the Ranked List of Genes



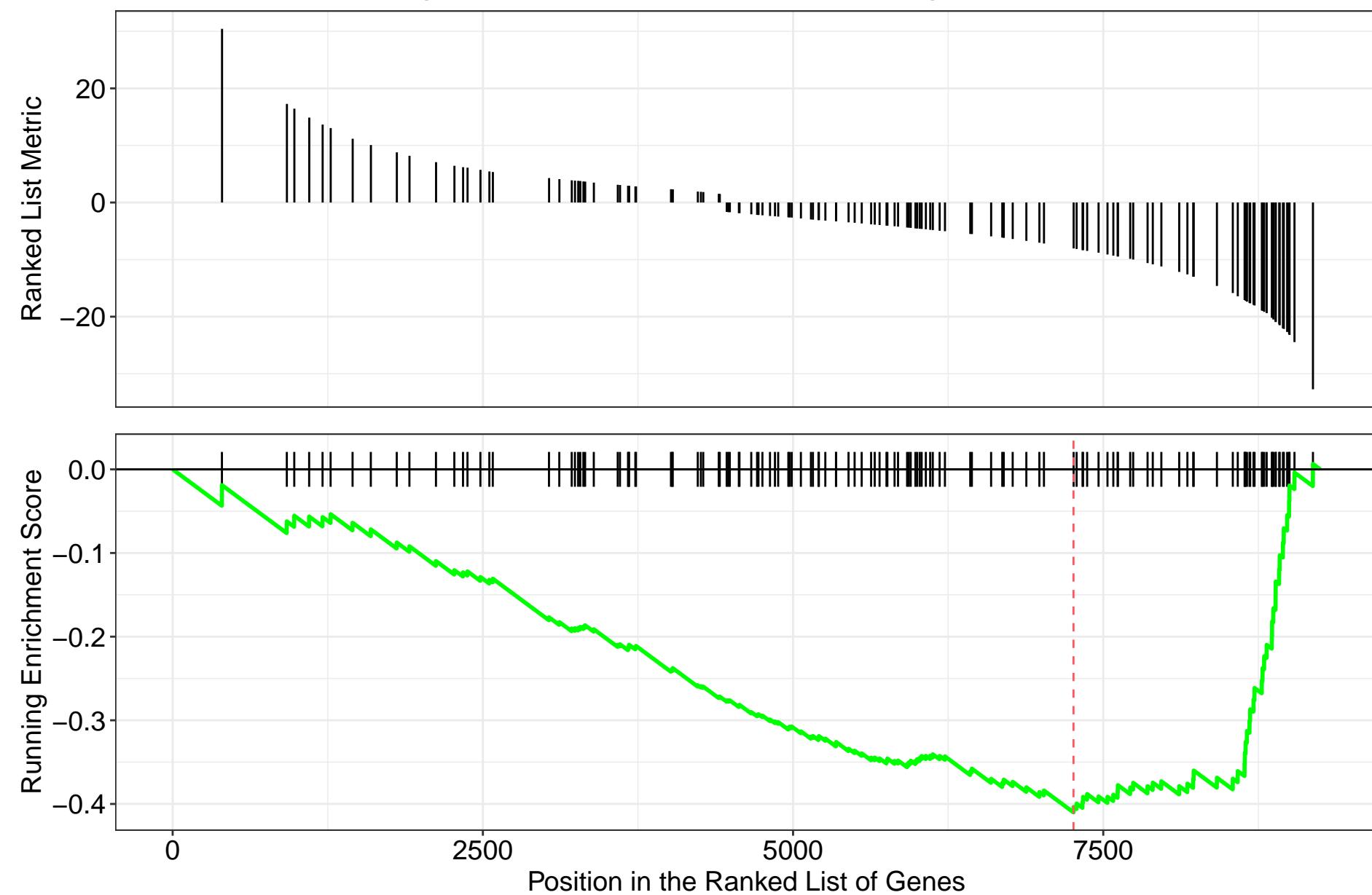
positive regulation of cell adhesion



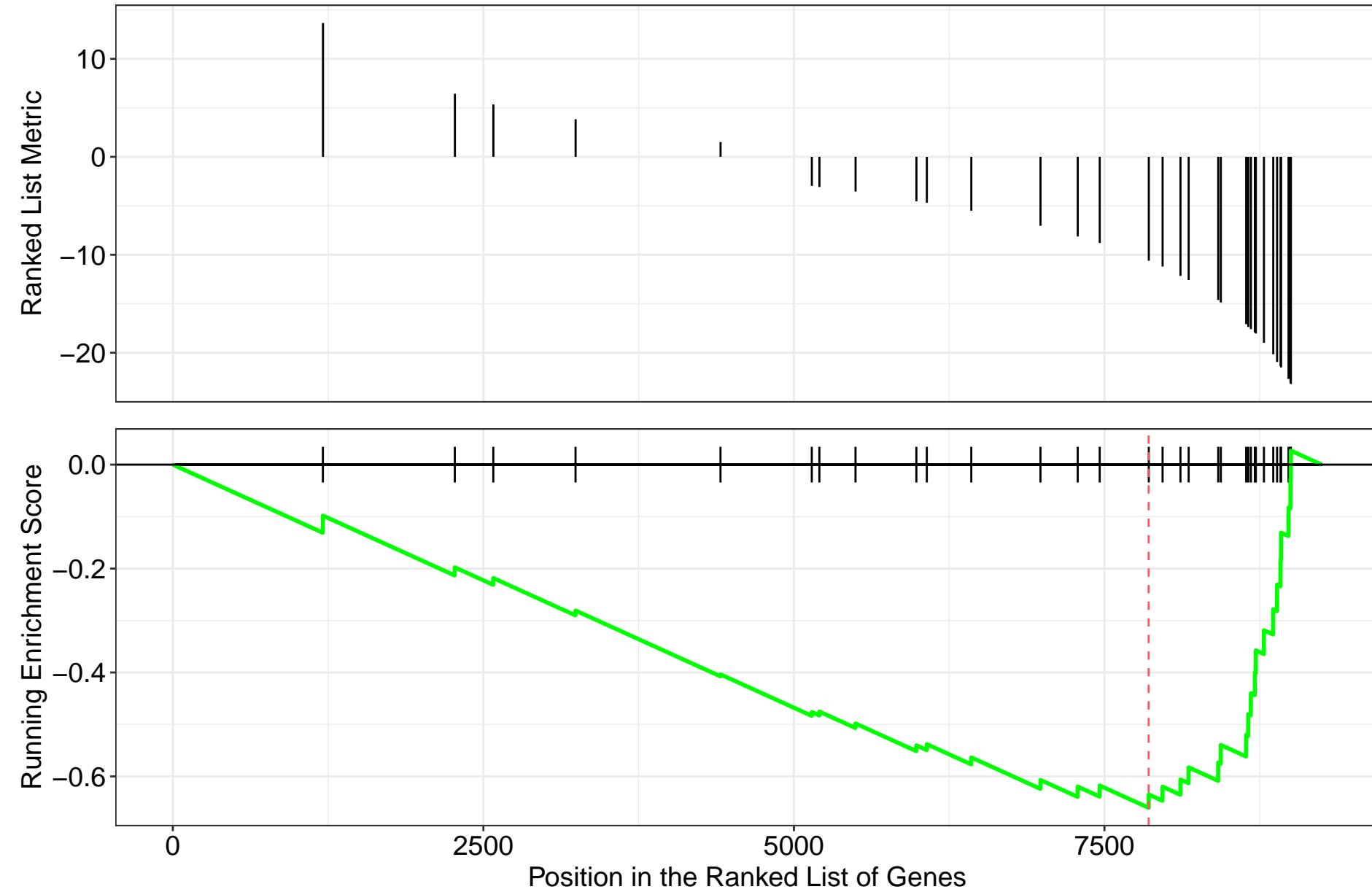
negative regulation of mitotic nuclear division



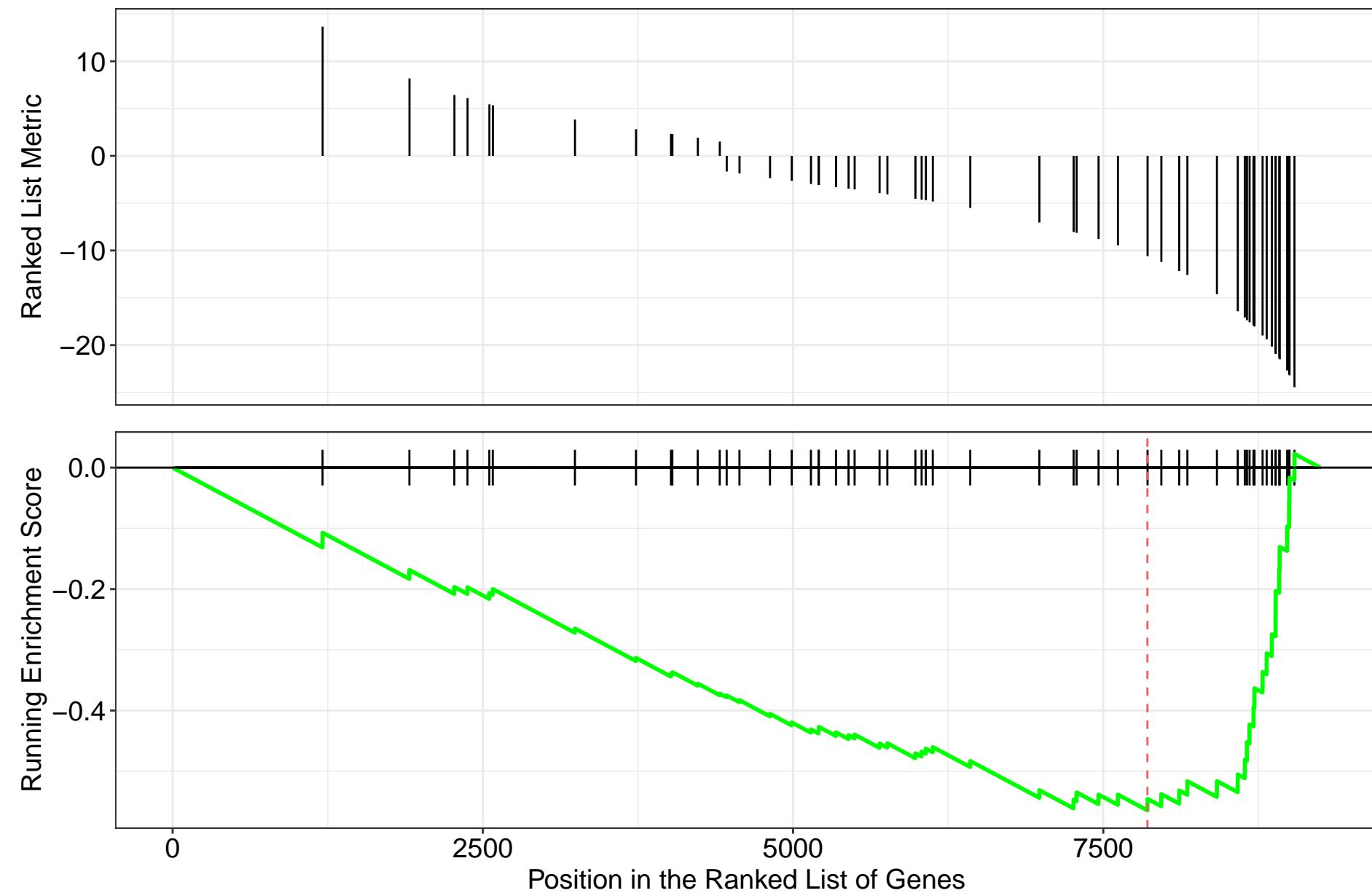
regulation of chromosome organization



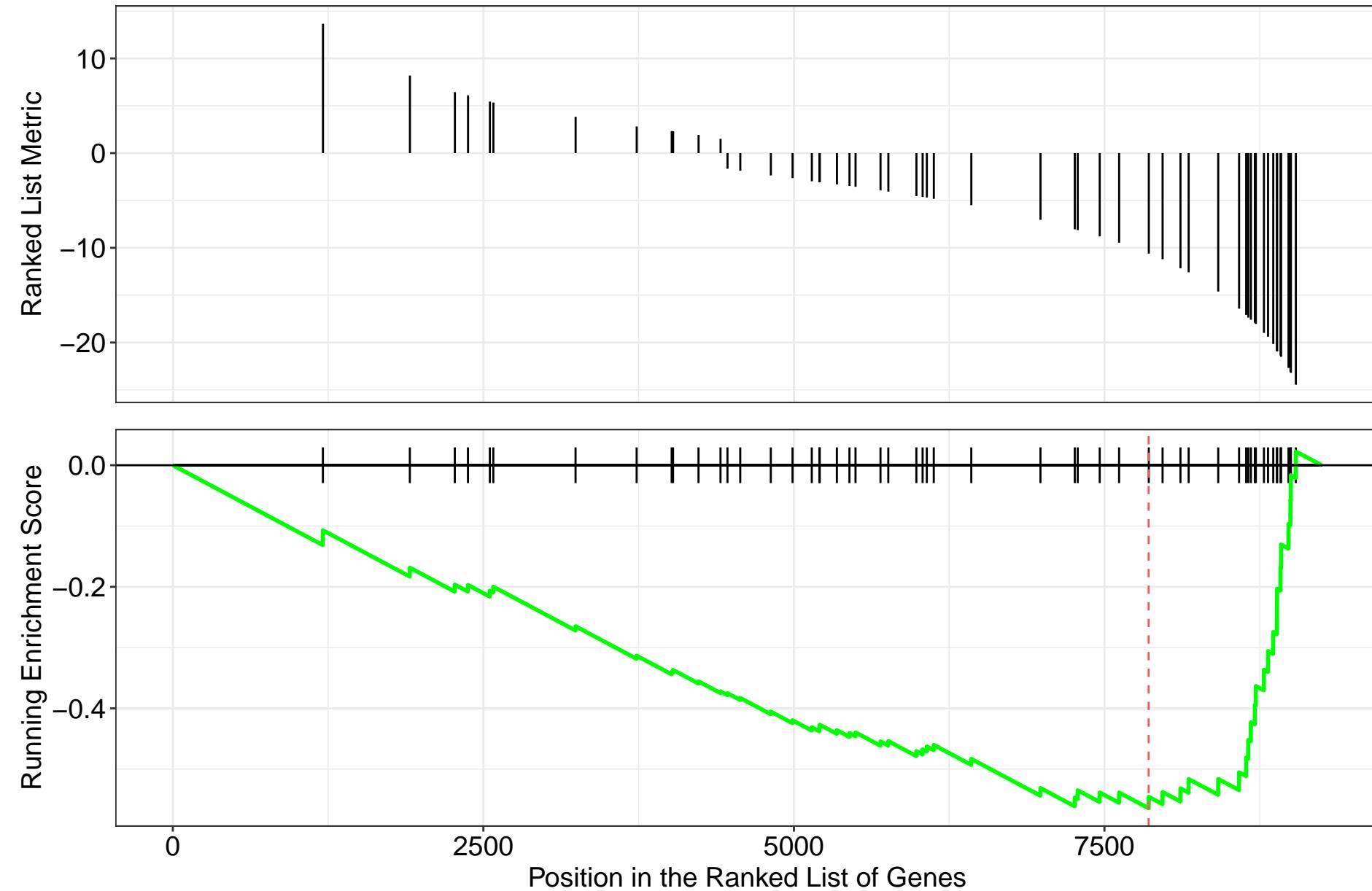
mitotic spindle checkpoint signaling



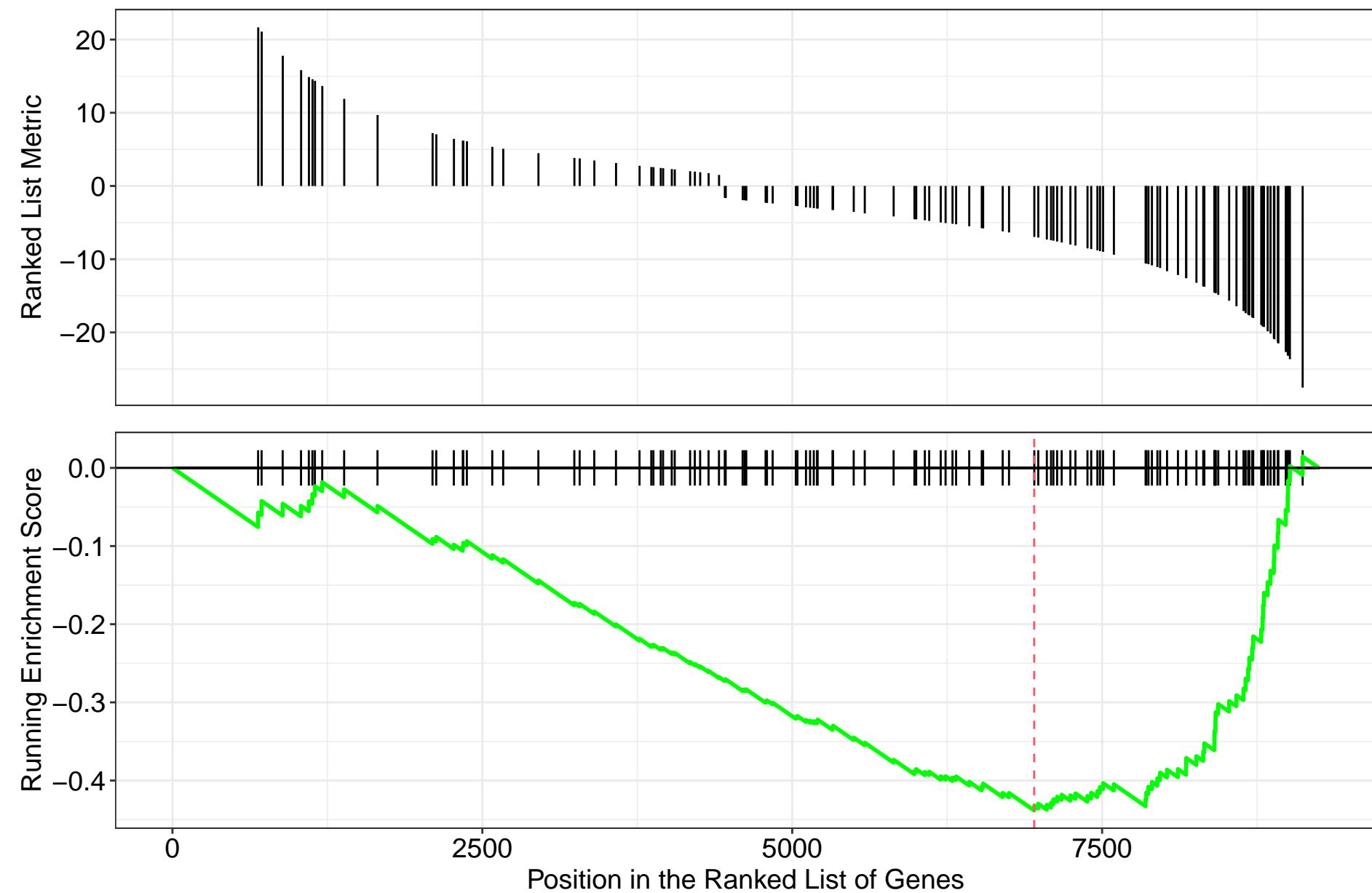
regulation of mitotic metaphase/anaphase transition



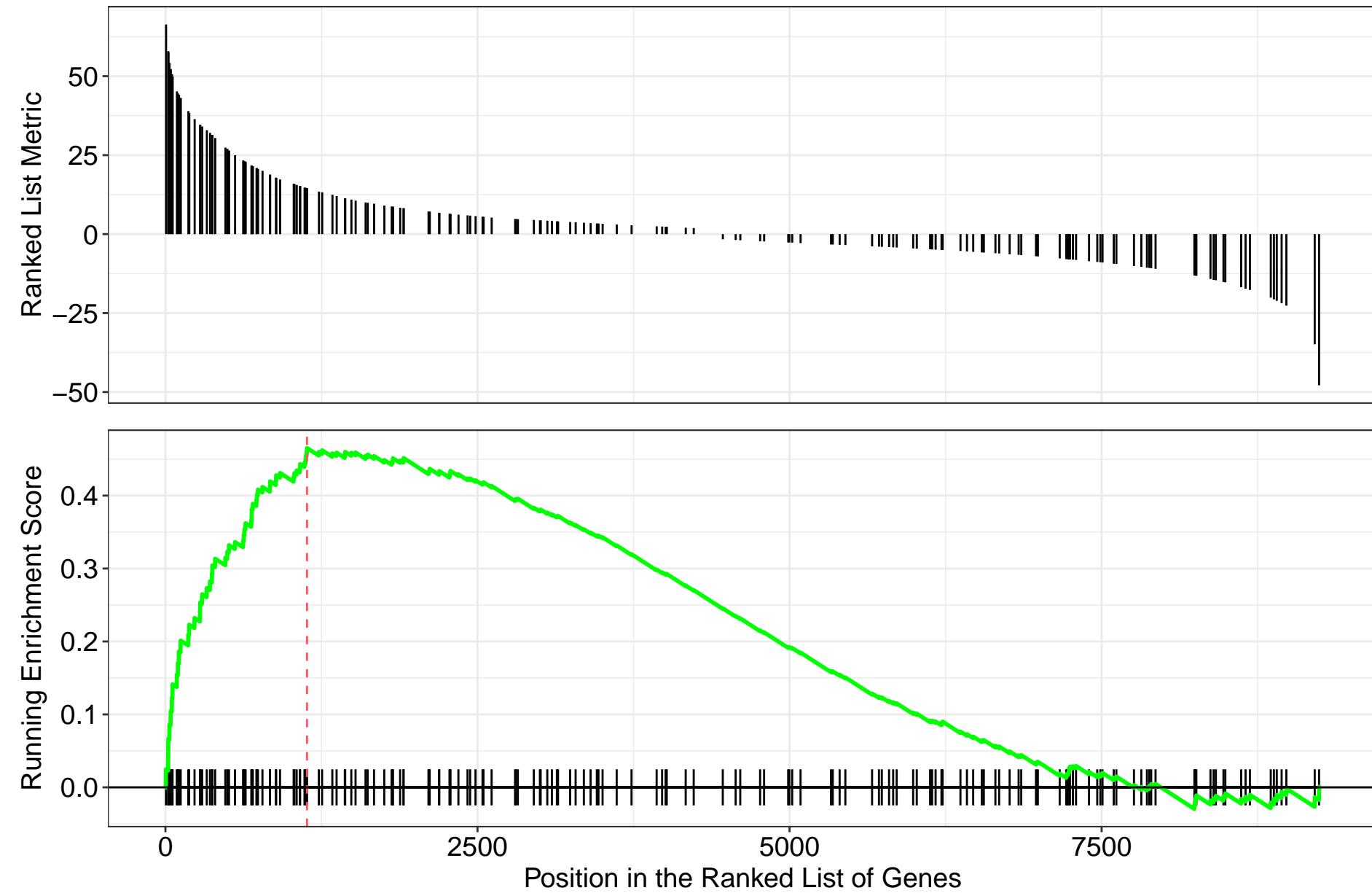
regulation of metaphase/anaphase transition of cell cycle



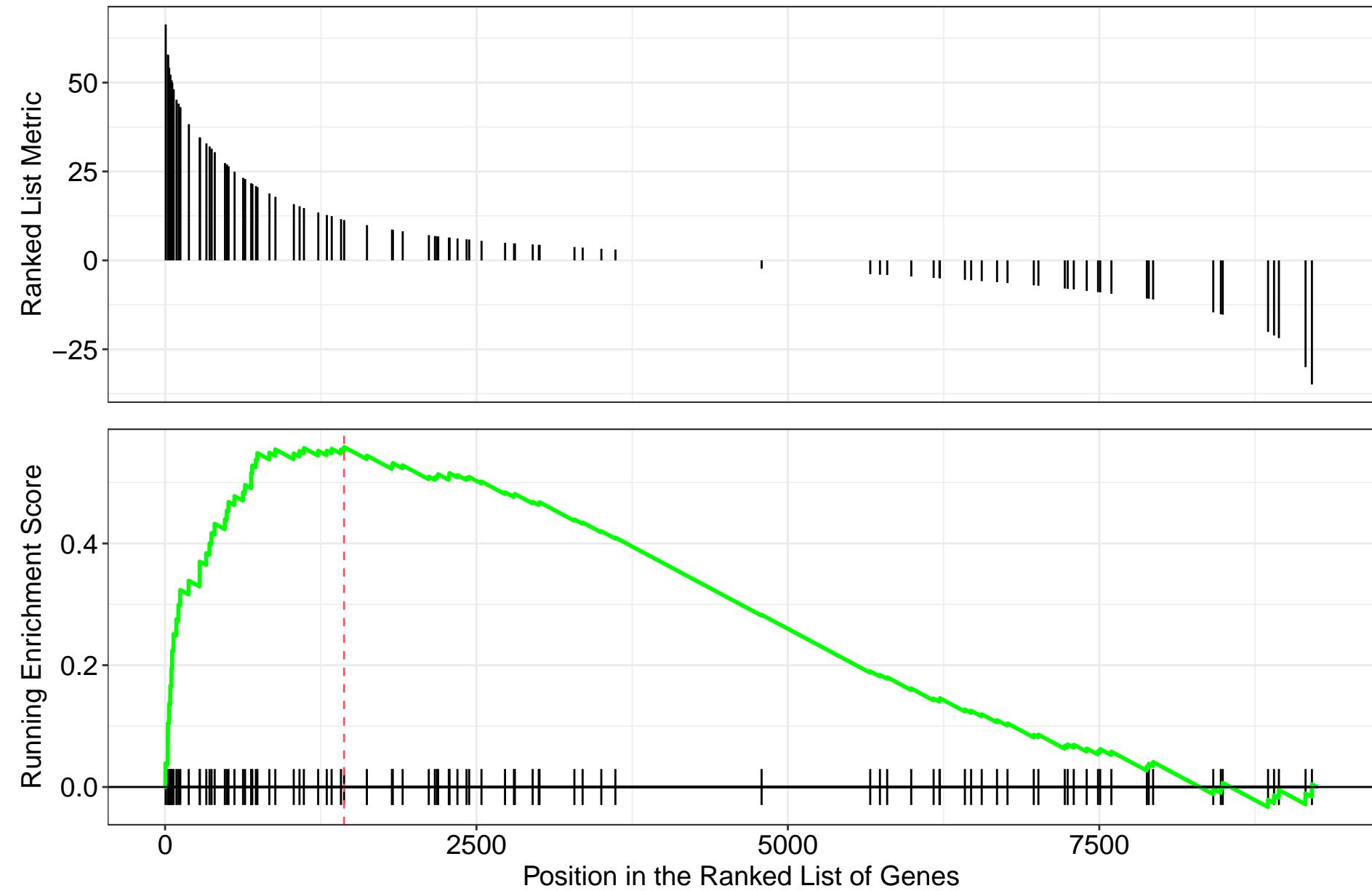
cell cycle checkpoint signaling



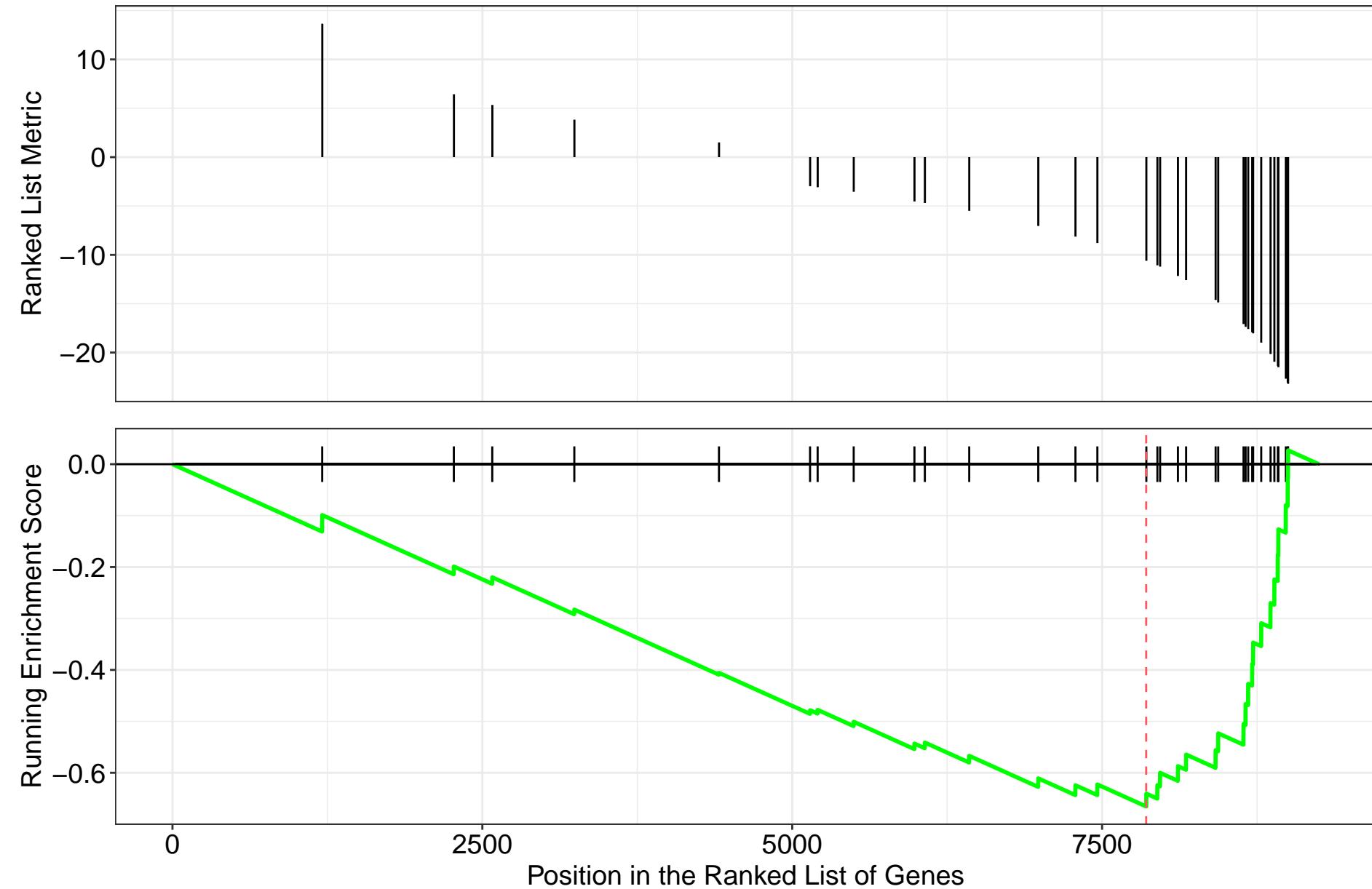
positive regulation of lymphocyte activation



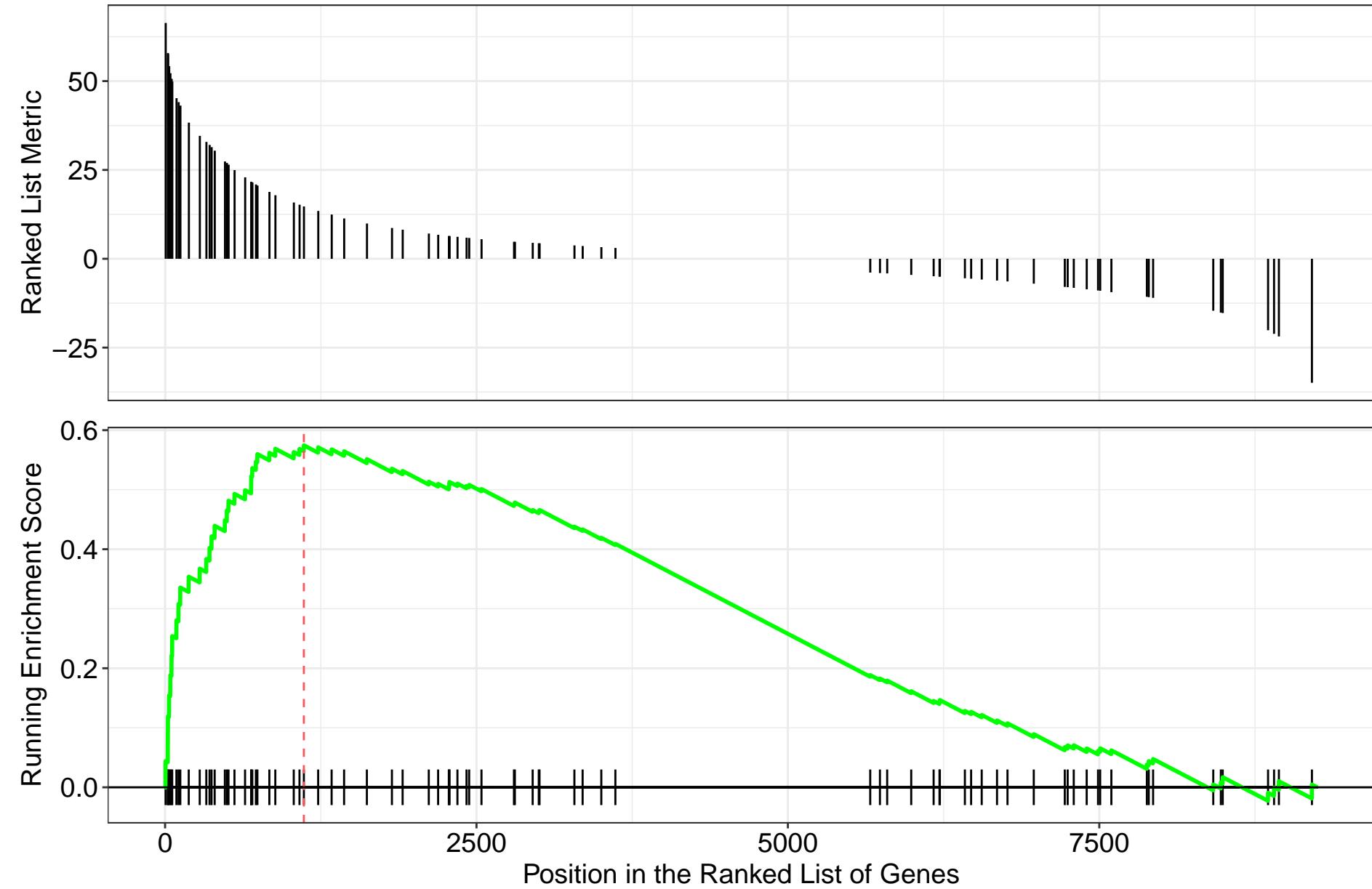
positive regulation of leukocyte proliferation



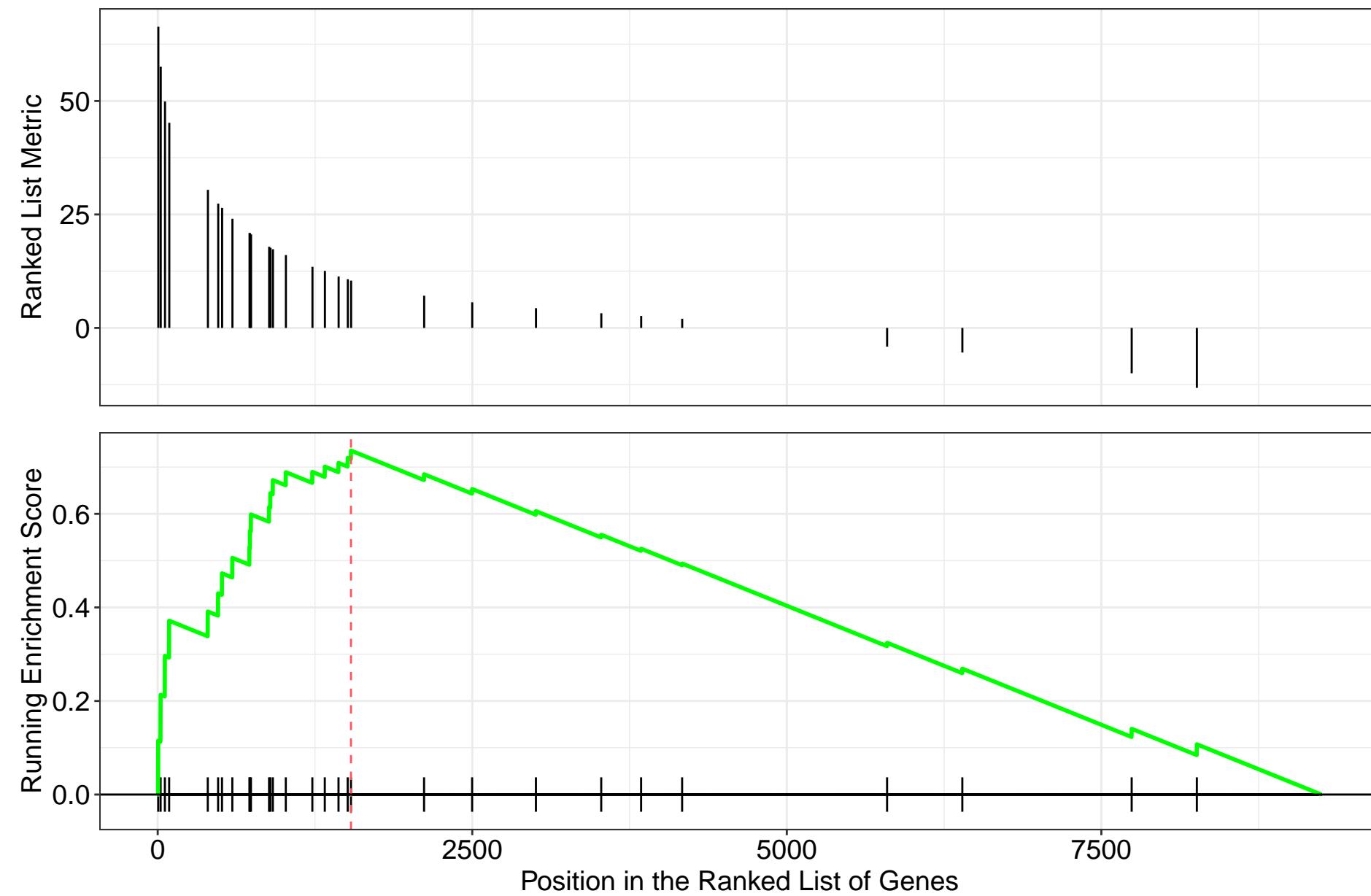
spindle checkpoint signaling



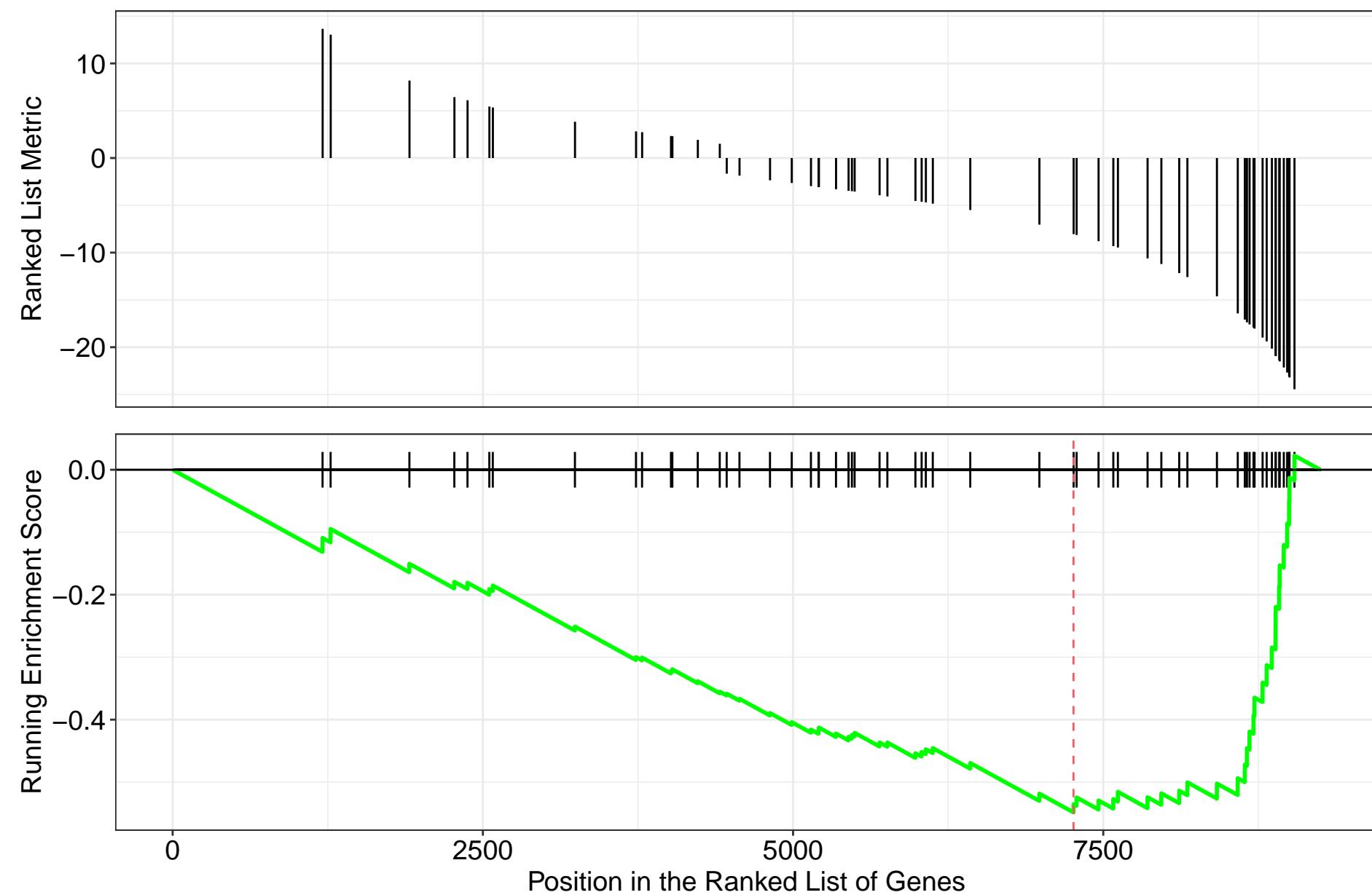
positive regulation of lymphocyte proliferation



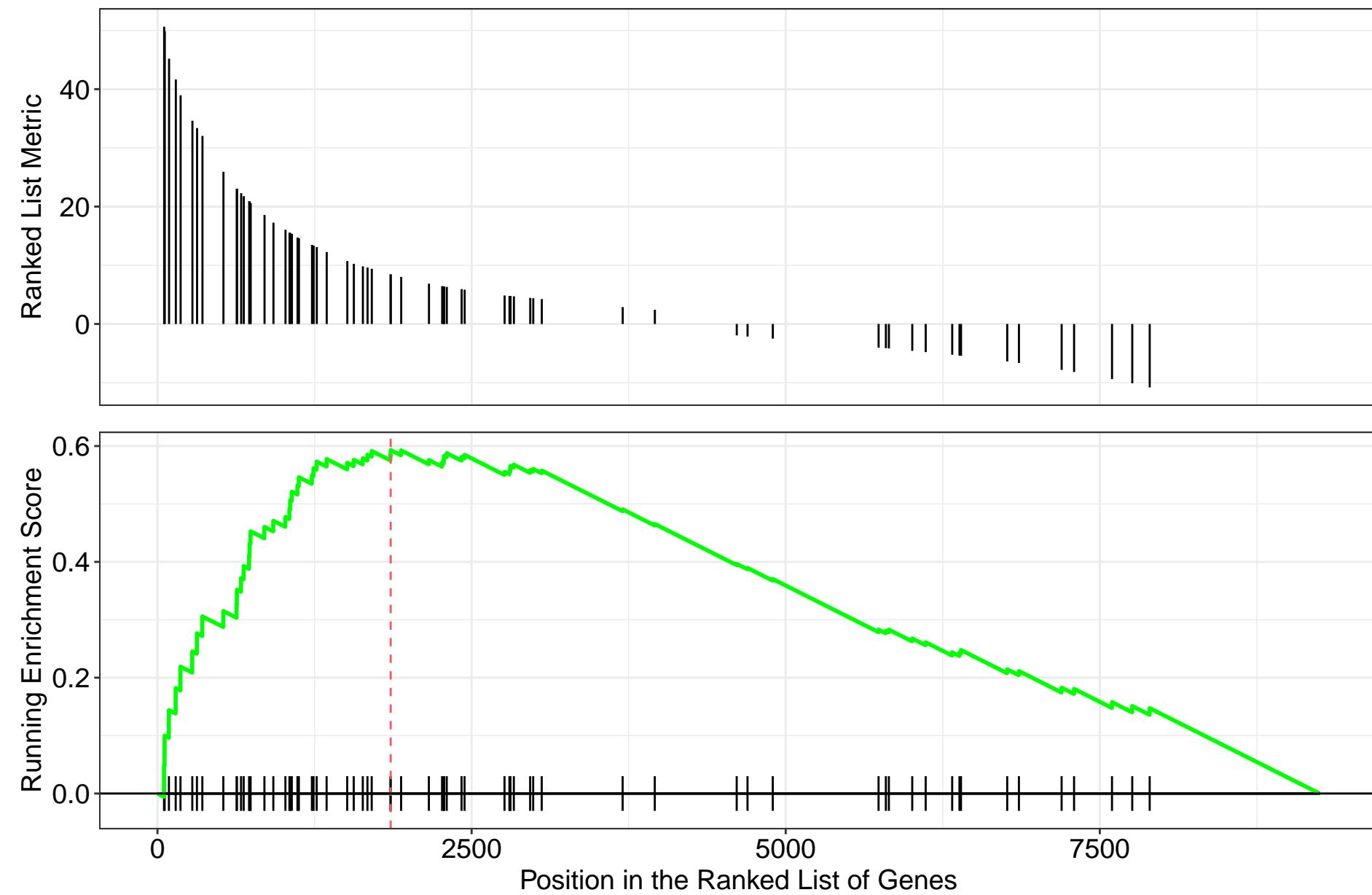
regulation of interleukin-17 production



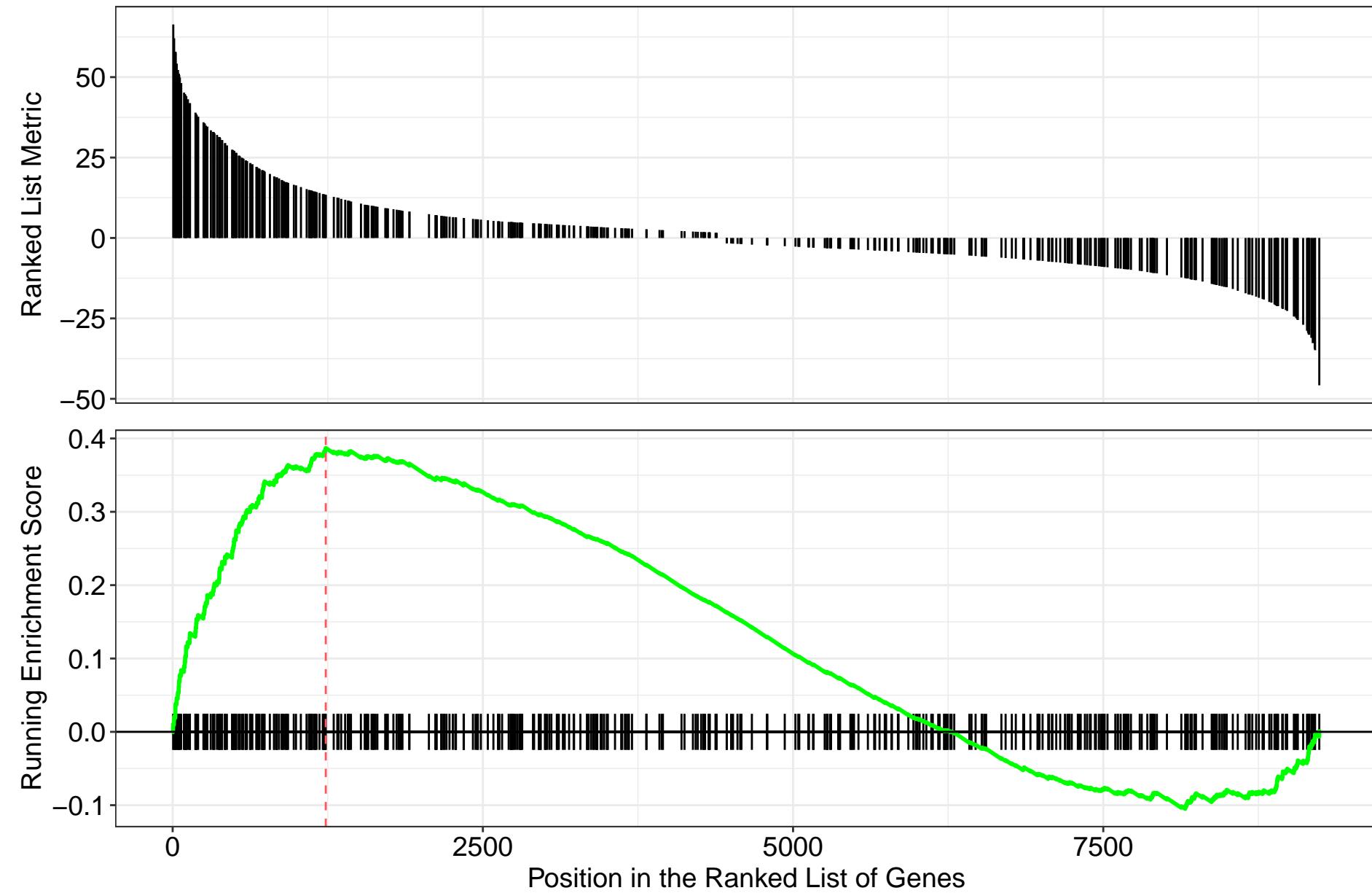
mitotic sister chromatid separation



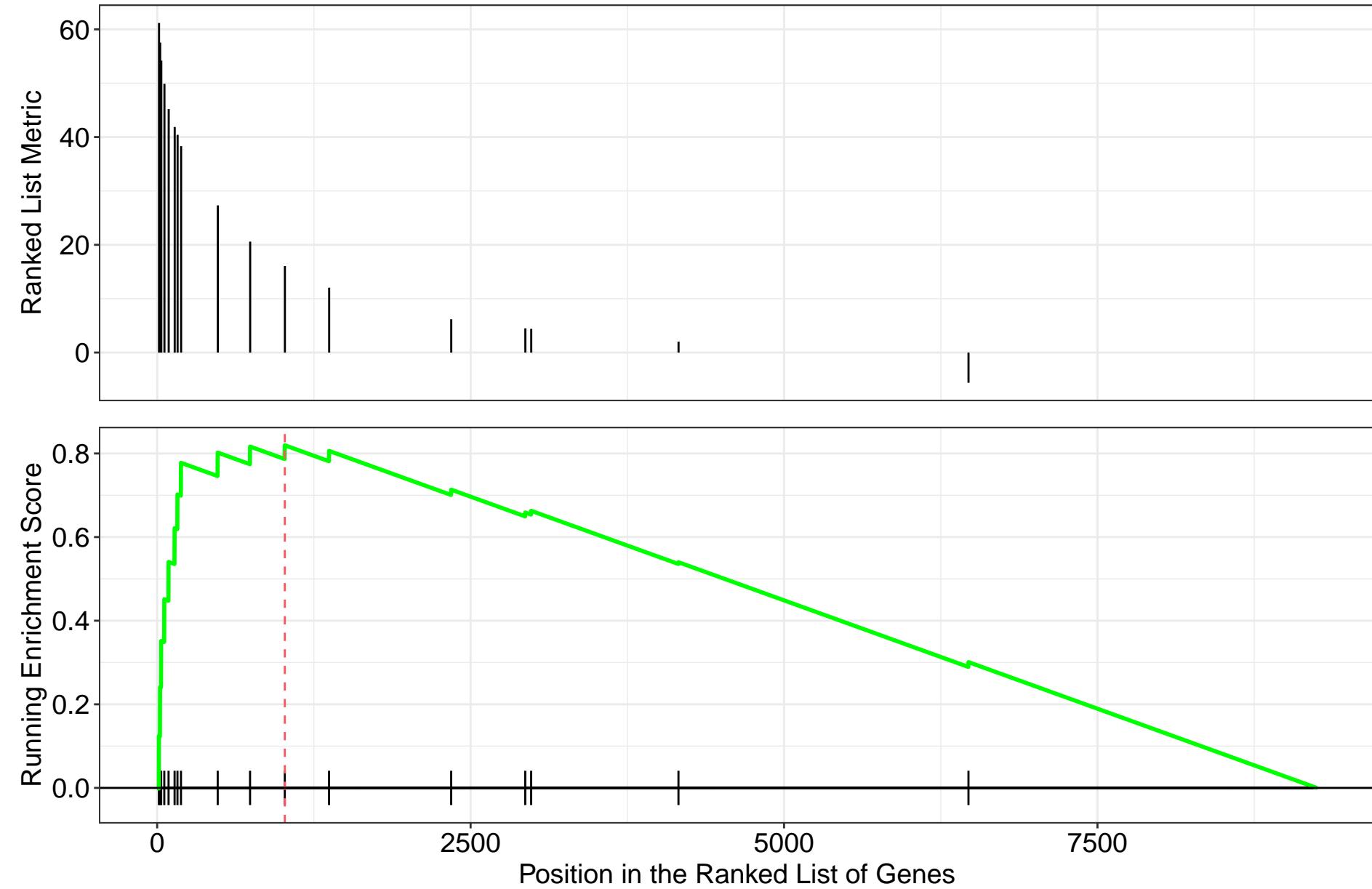
positive regulation of tumor necrosis factor superfamily cytokine production



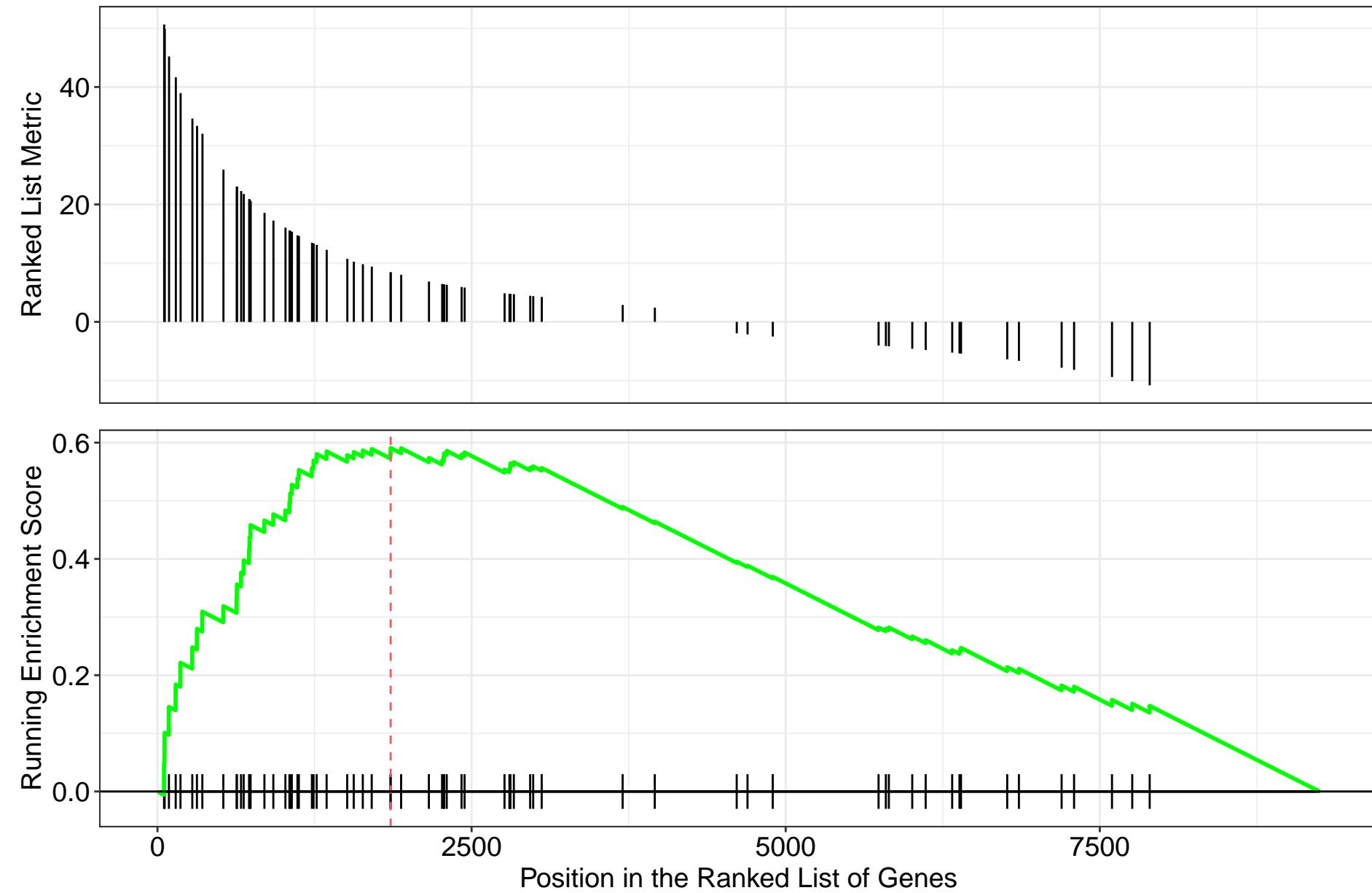
positive regulation of cell population proliferation



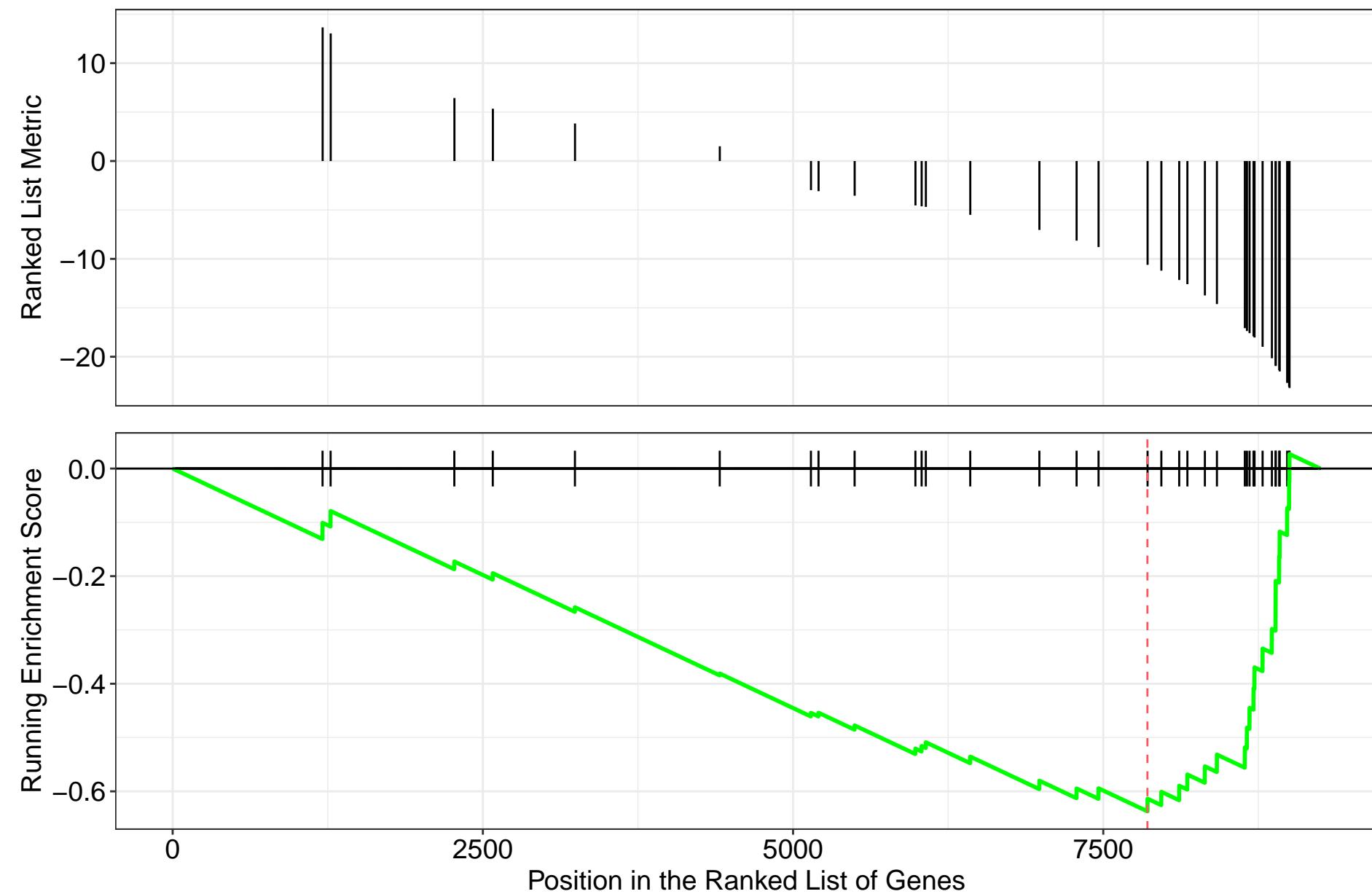
CD4-positive, alpha–beta T cell cytokine production



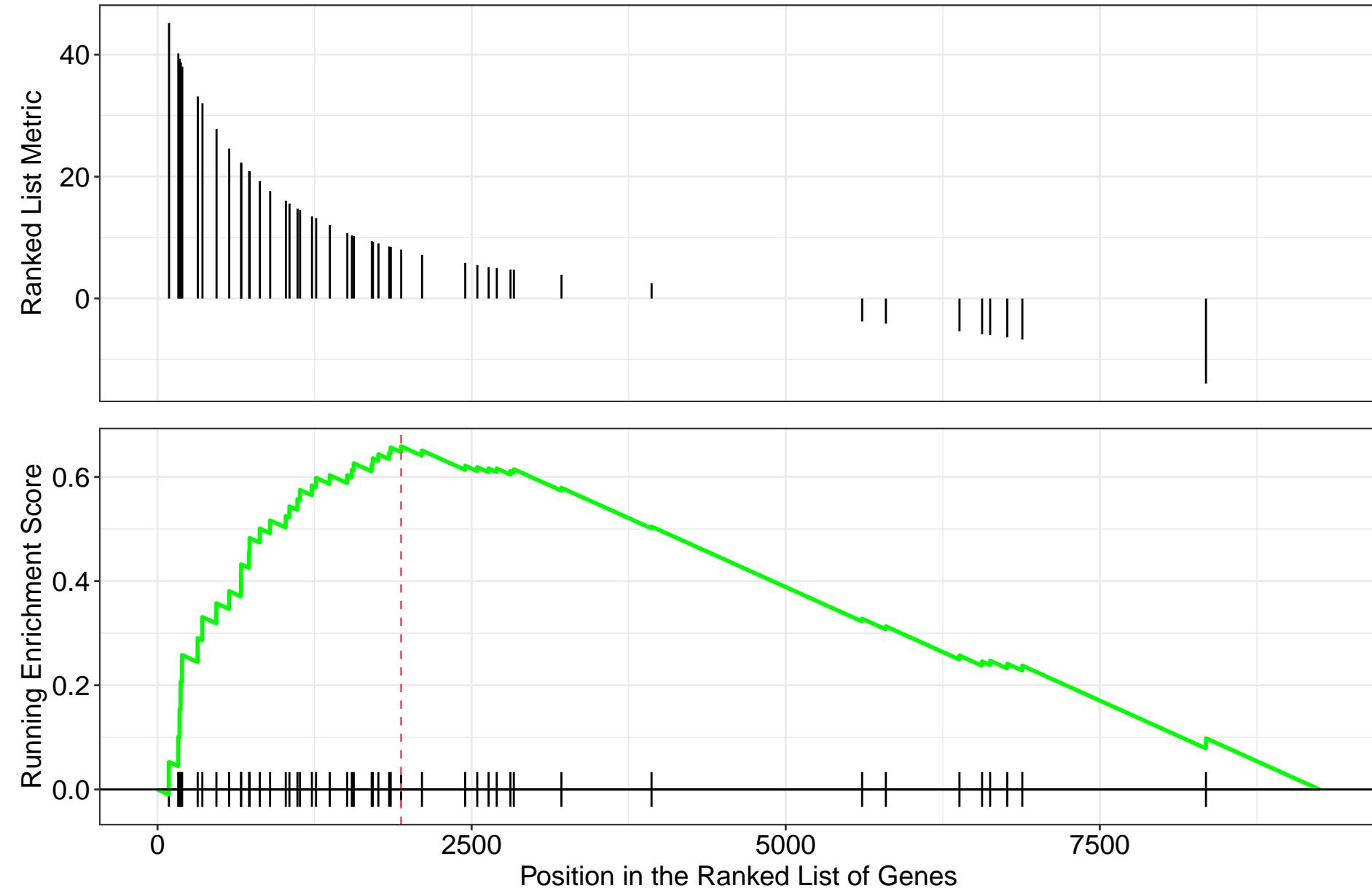
positive regulation of tumor necrosis factor production



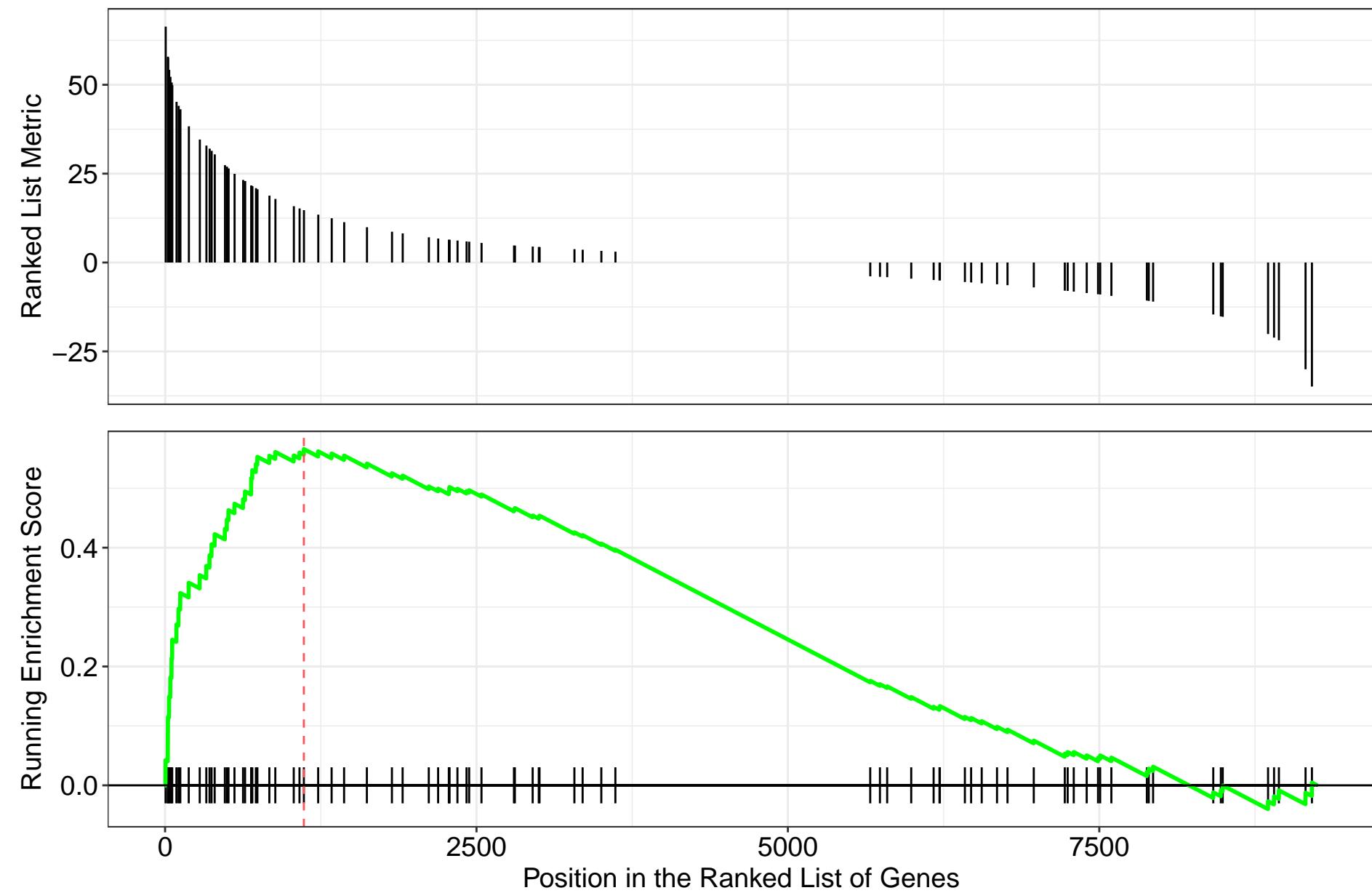
negative regulation of chromosome segregation



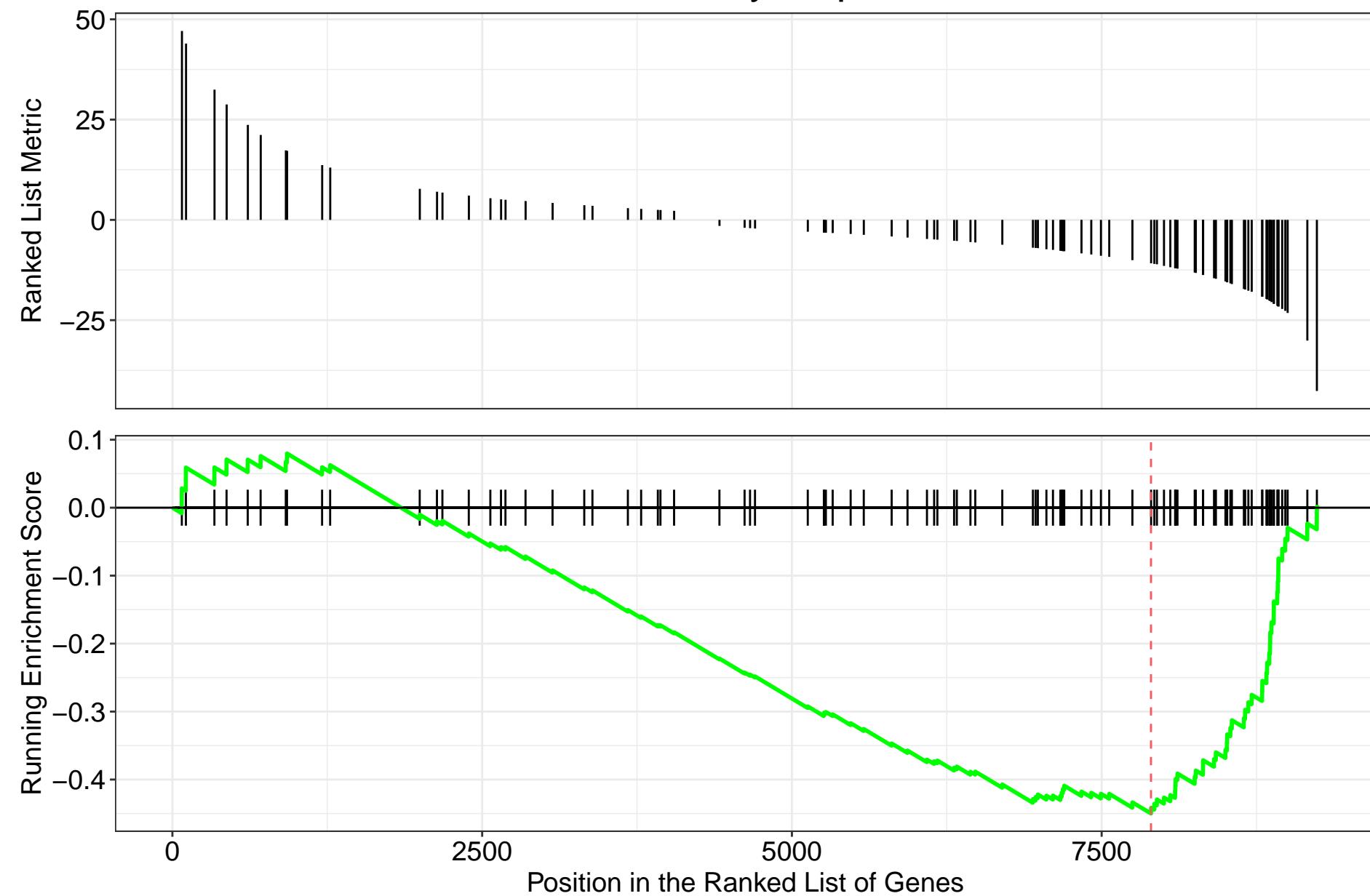
positive regulation of interleukin–1 beta production



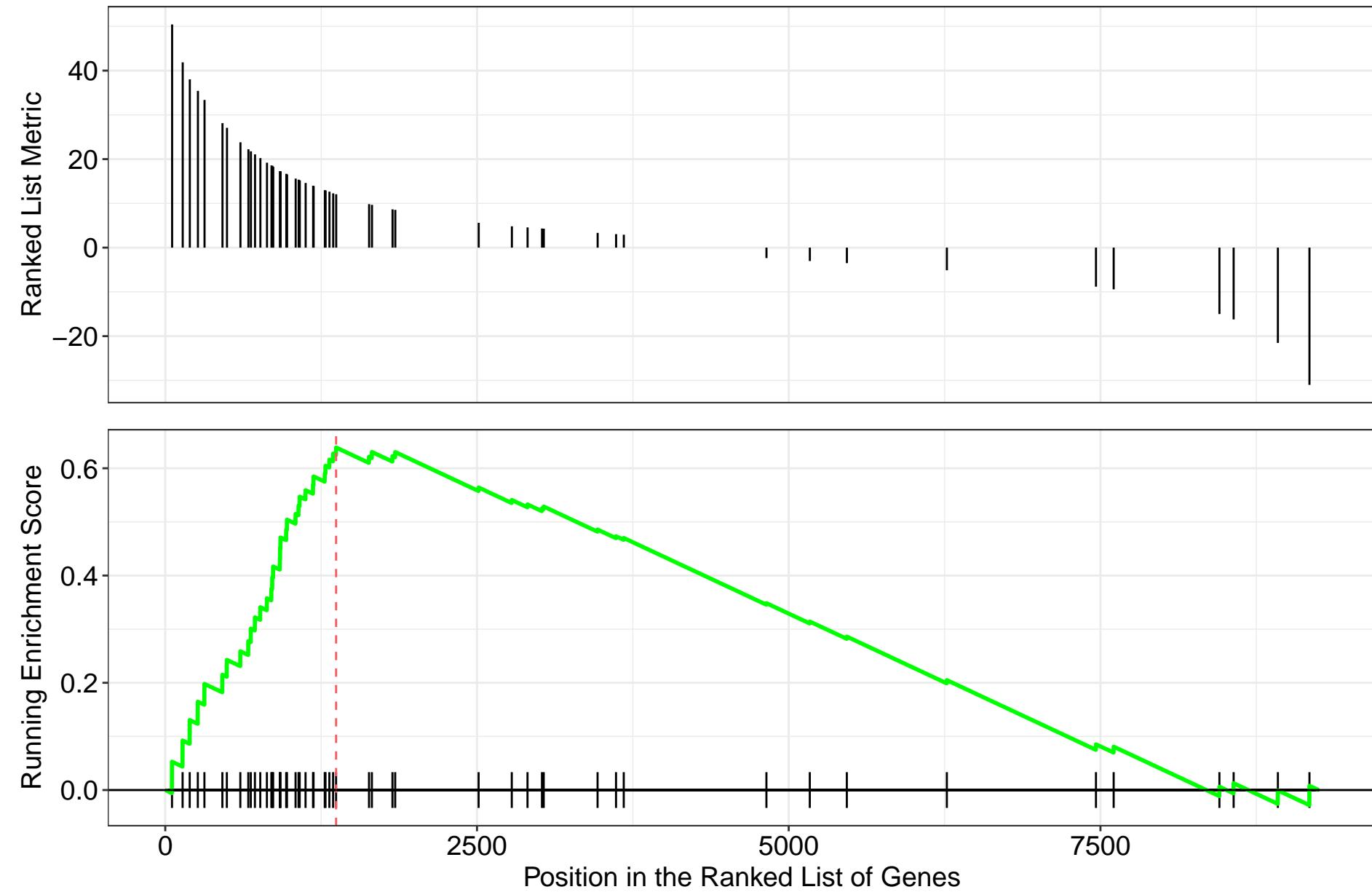
positive regulation of mononuclear cell proliferation



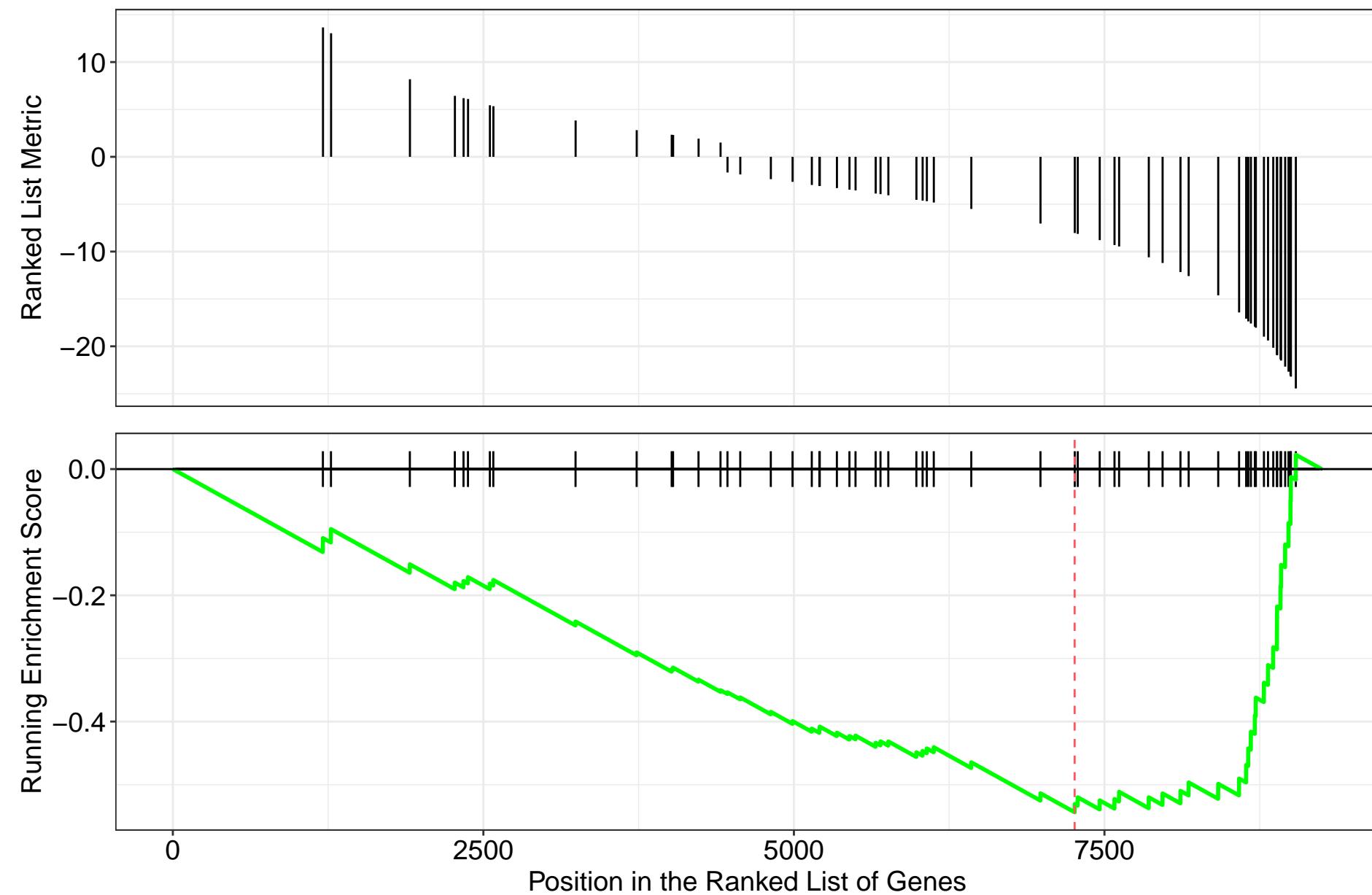
meiotic cell cycle process



negative regulation of innate immune response

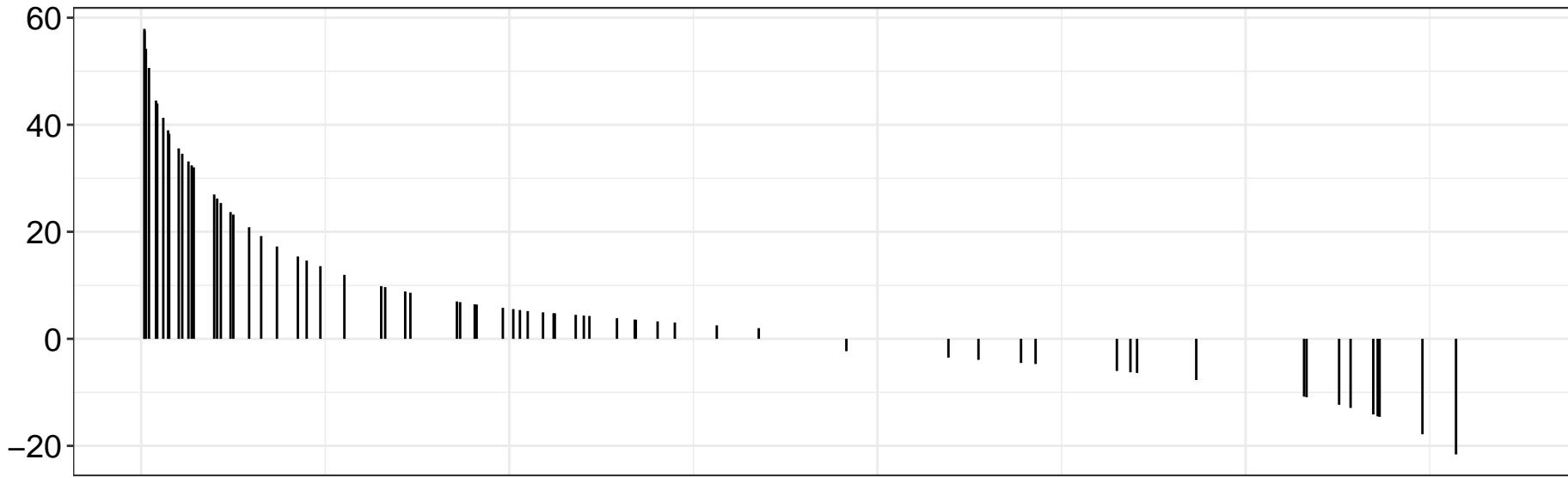


regulation of sister chromatid segregation



regulation of leukocyte chemotaxis

Ranked List Metric



Running Enrichment Score

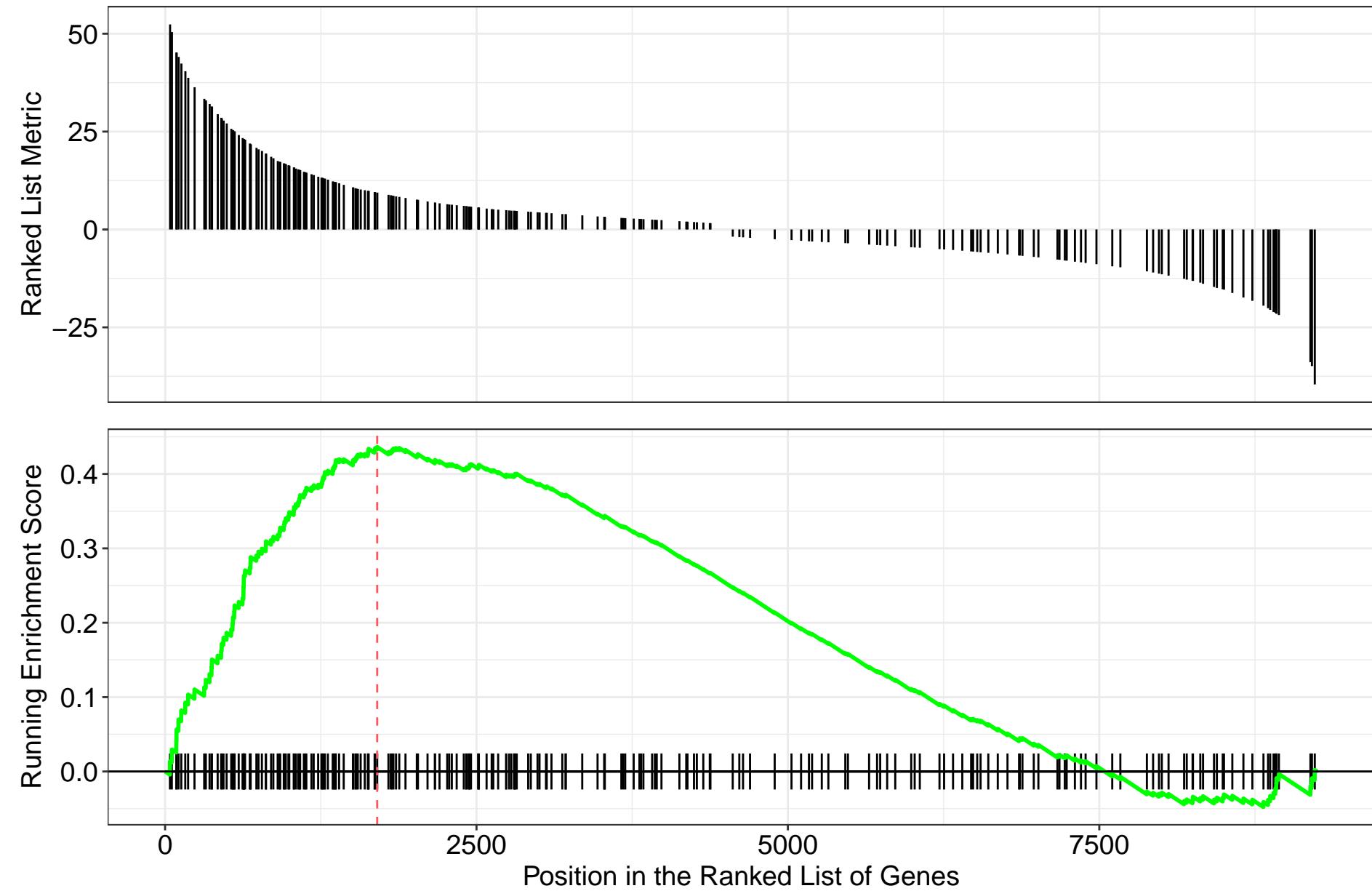
0 2500 5000 7500

Position in the Ranked List of Genes

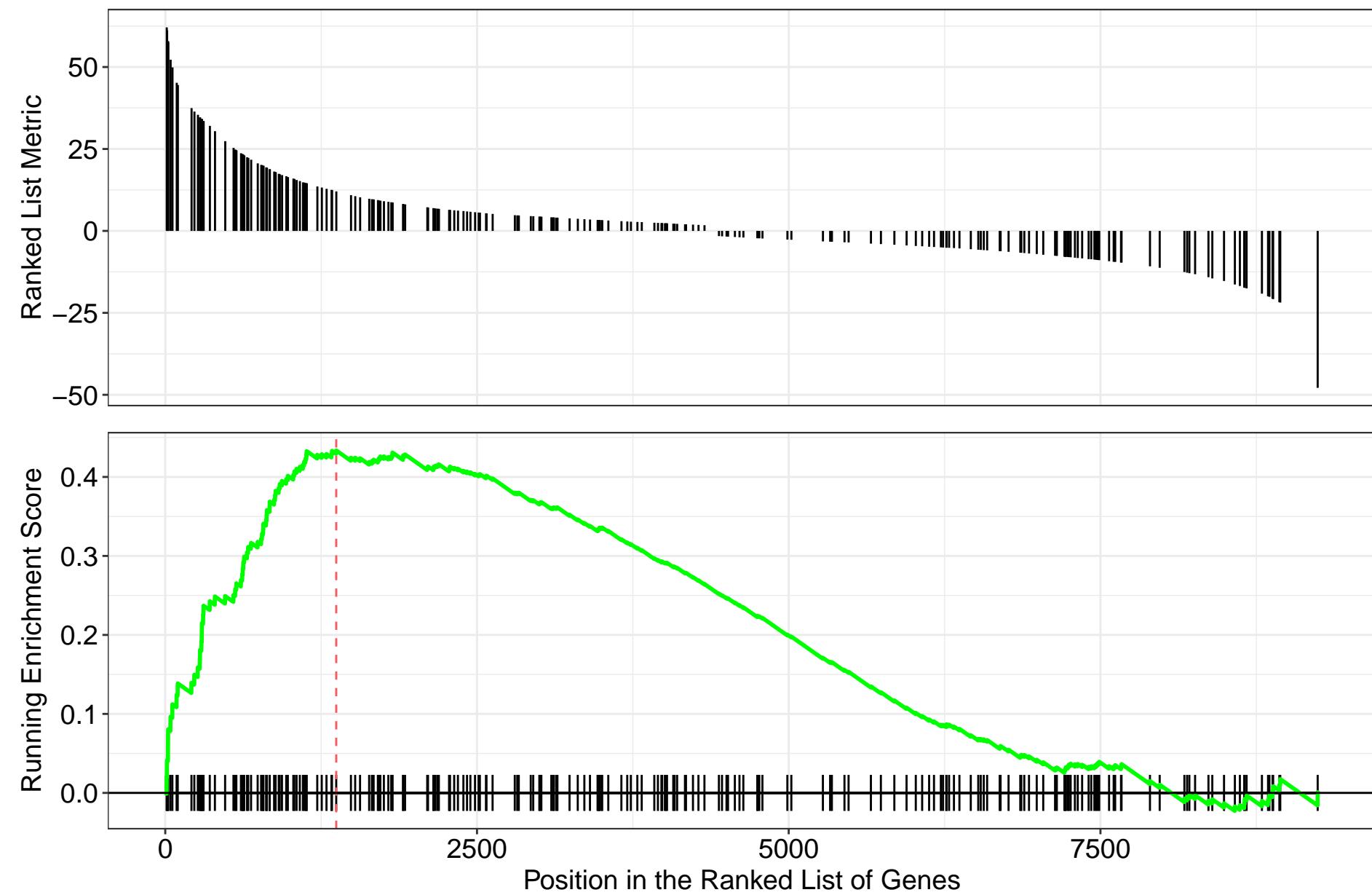
0.0 0.2 0.4 0.6



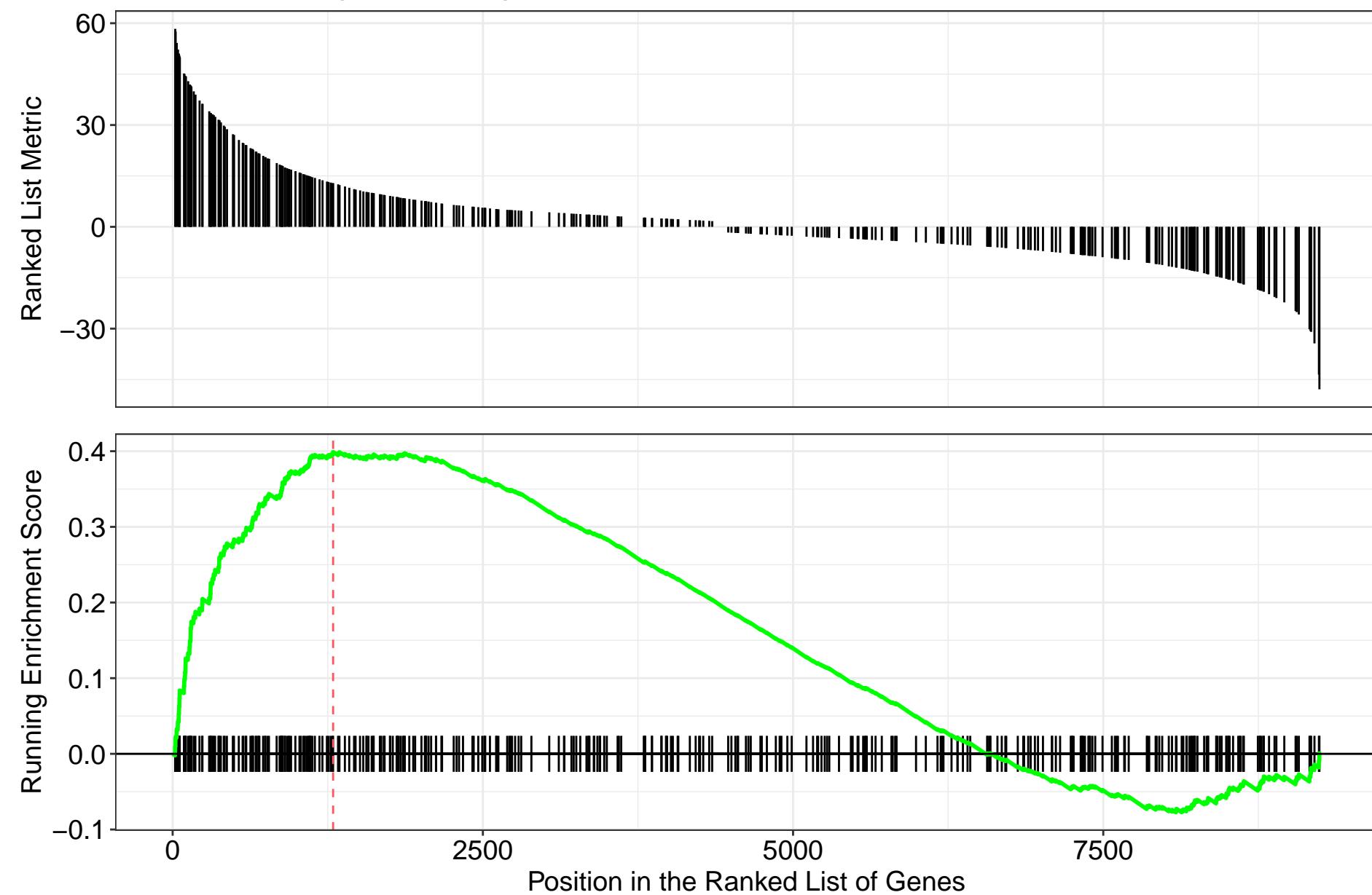
immune response-regulating signaling pathway



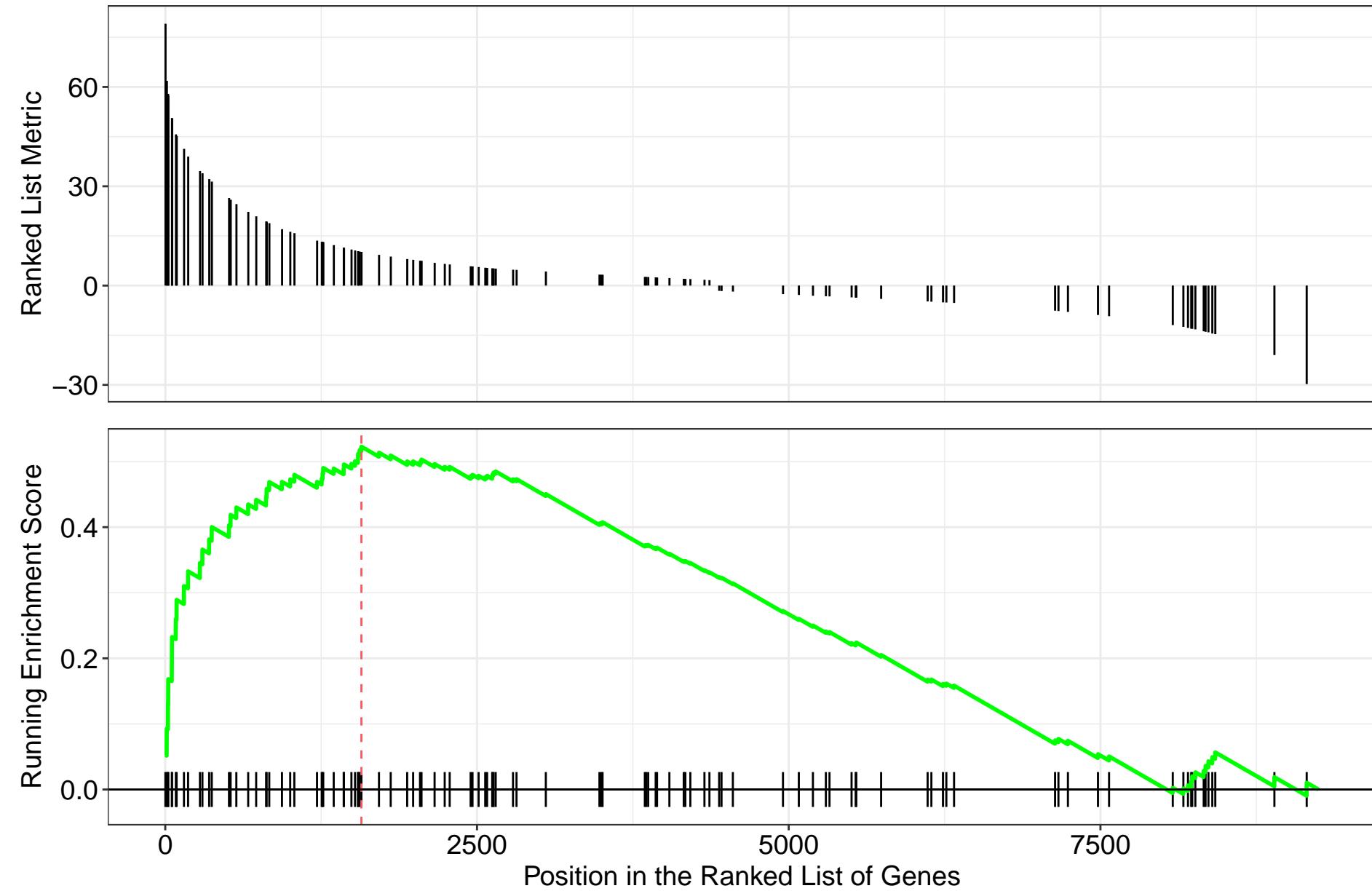
regulation of hemopoiesis



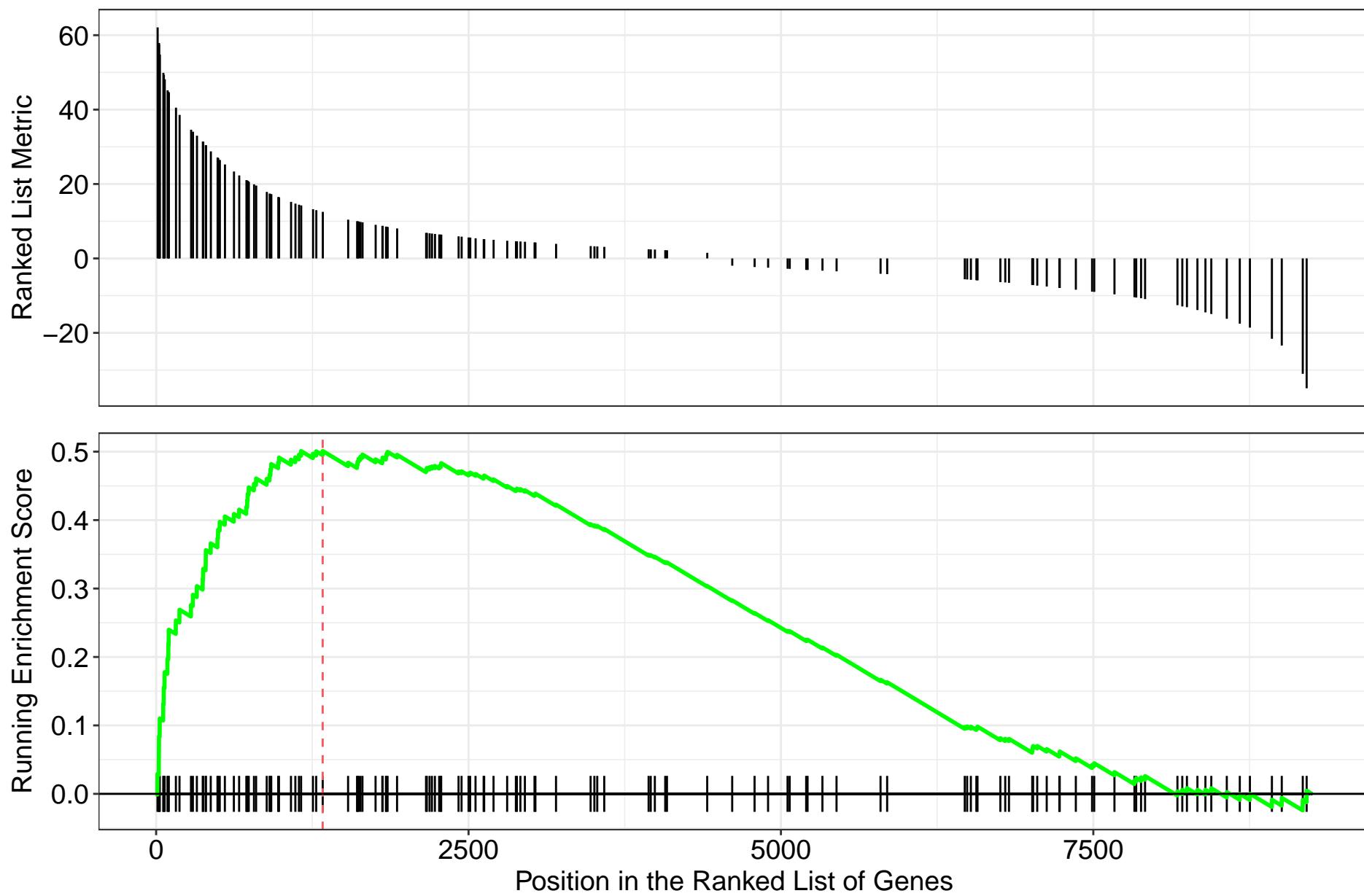
negative regulation of cell population proliferation



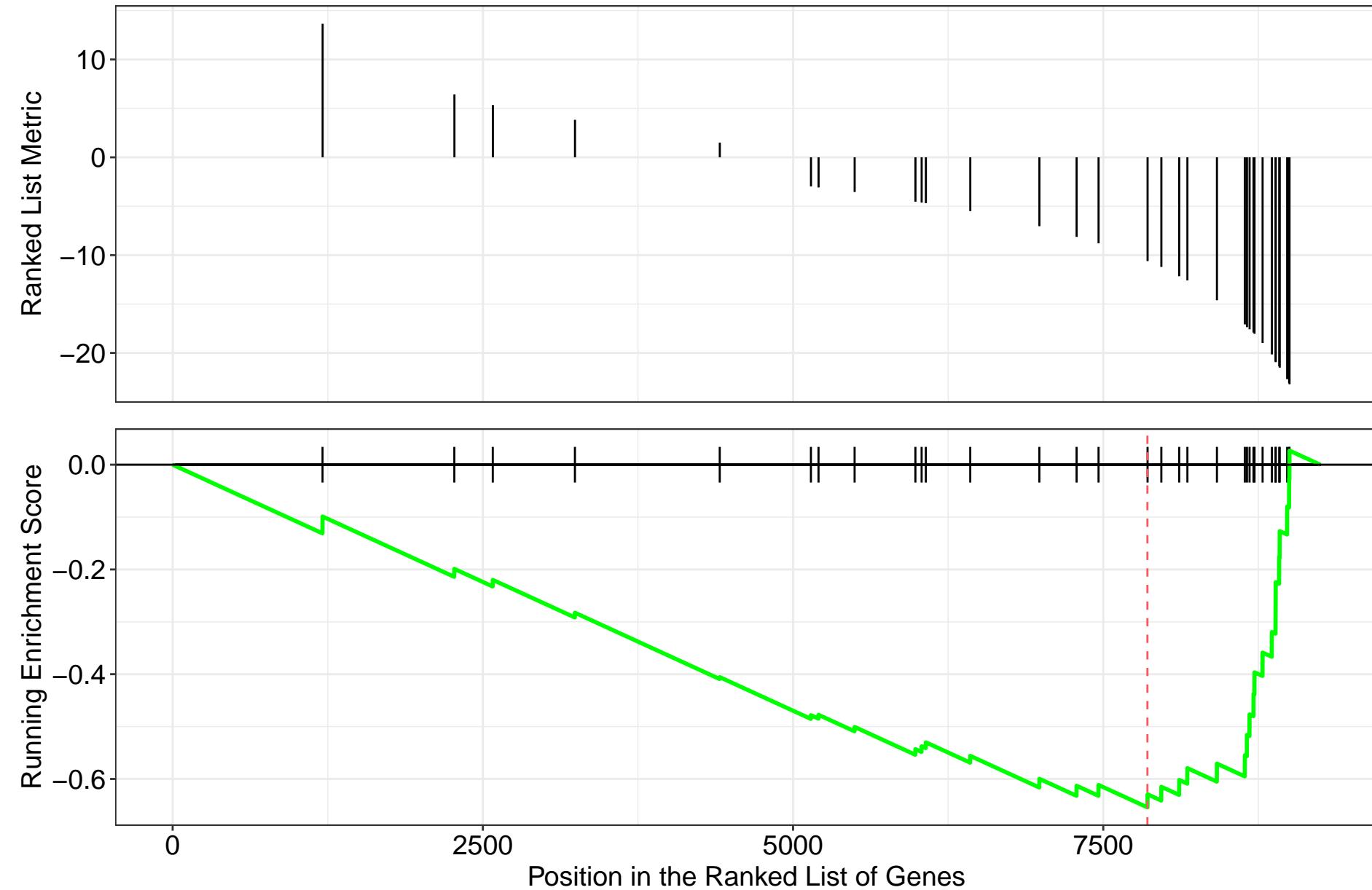
response to tumor necrosis factor



regulation of peptidyl–tyrosine phosphorylation

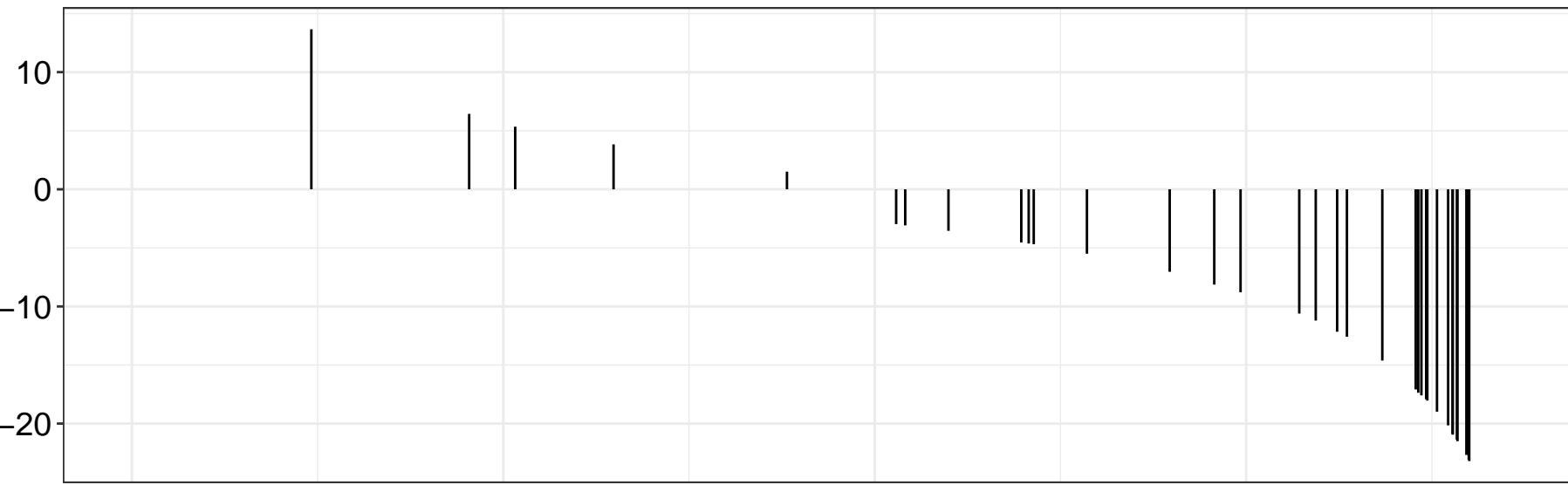


negative regulation of mitotic metaphase/anaphase transition



negative regulation of metaphase/anaphase transition of cell cycle

Ranked List Metric



Running Enrichment Score

0

2500

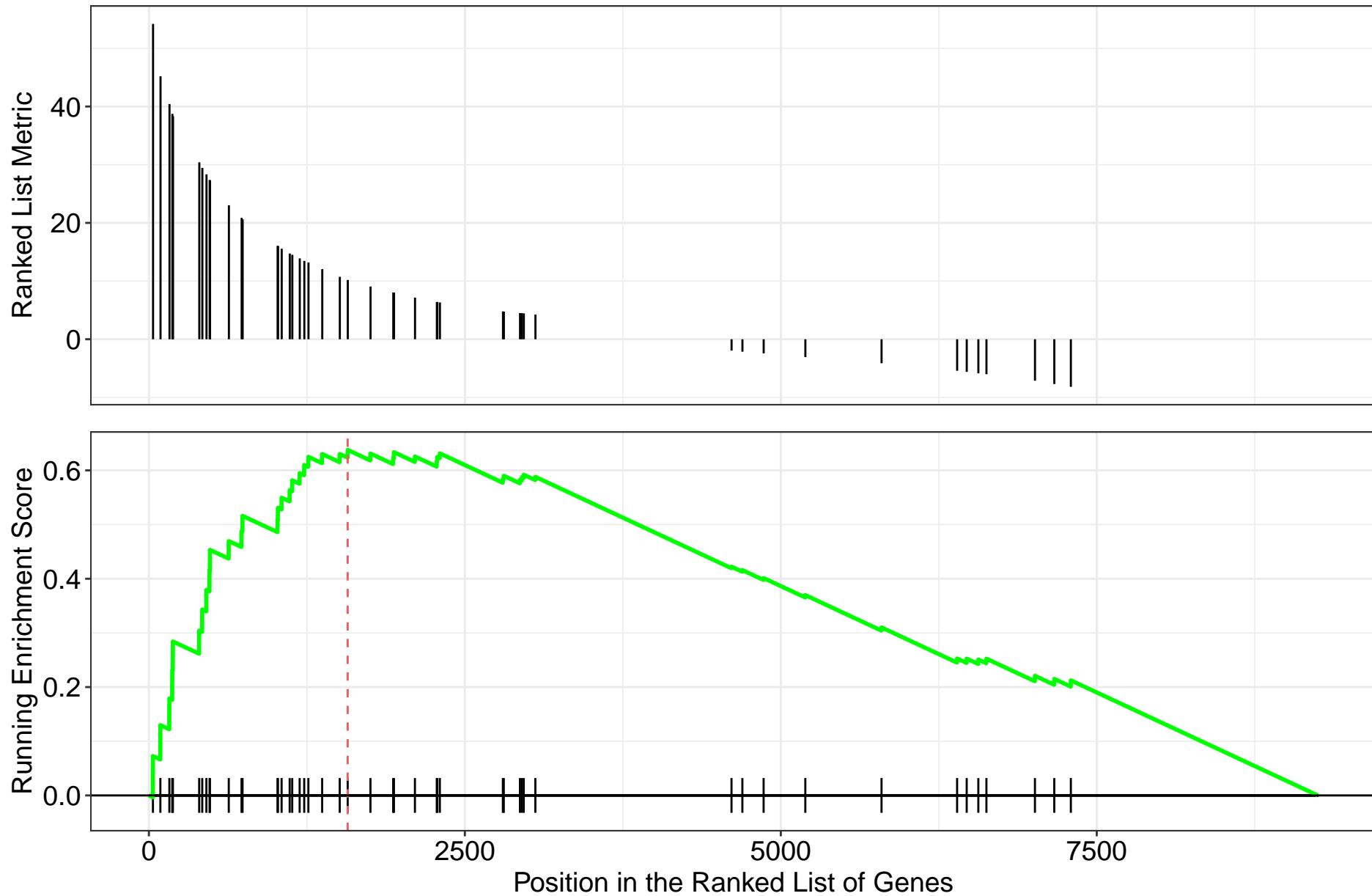
5000

7500

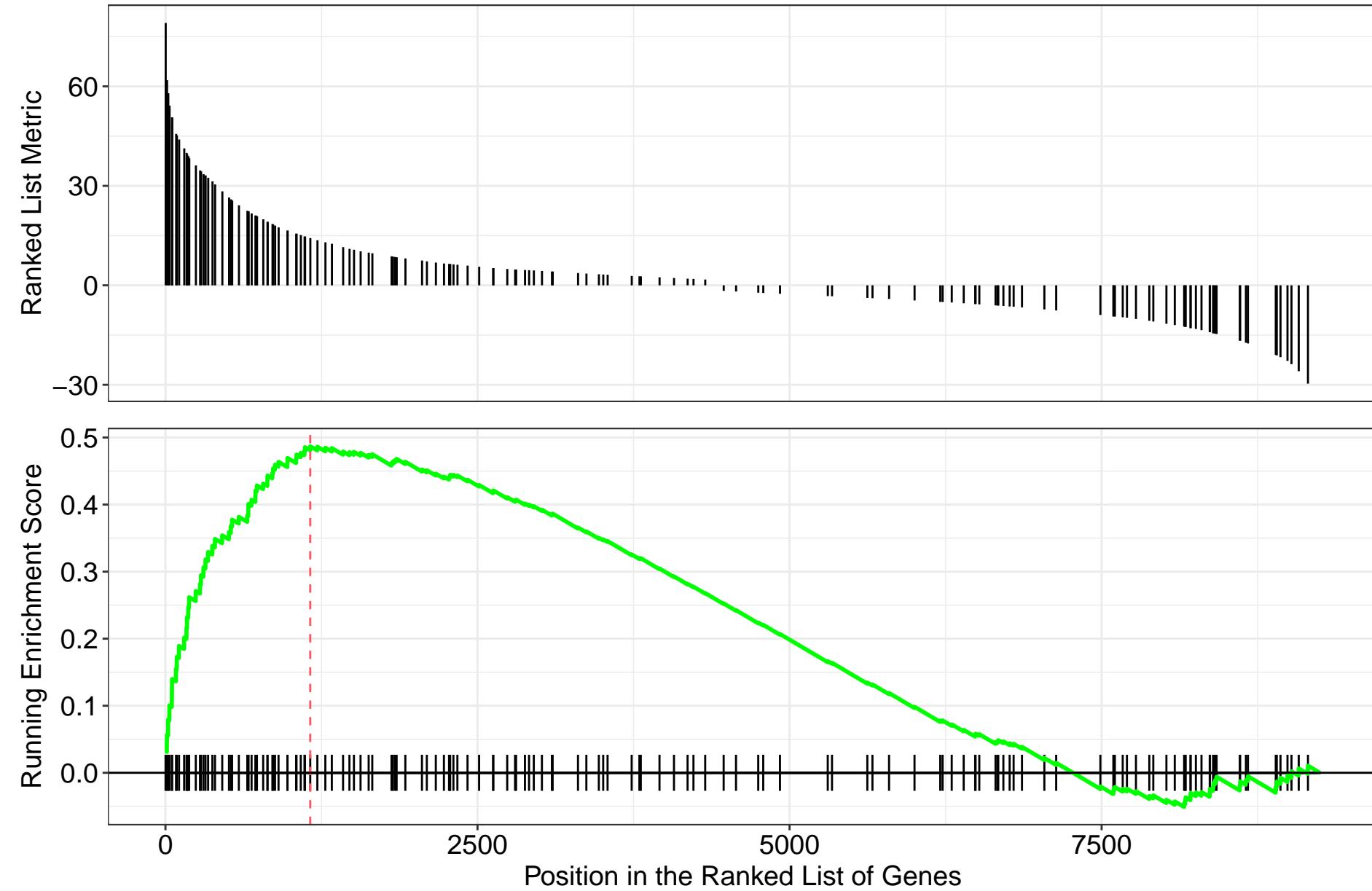
Position in the Ranked List of Genes



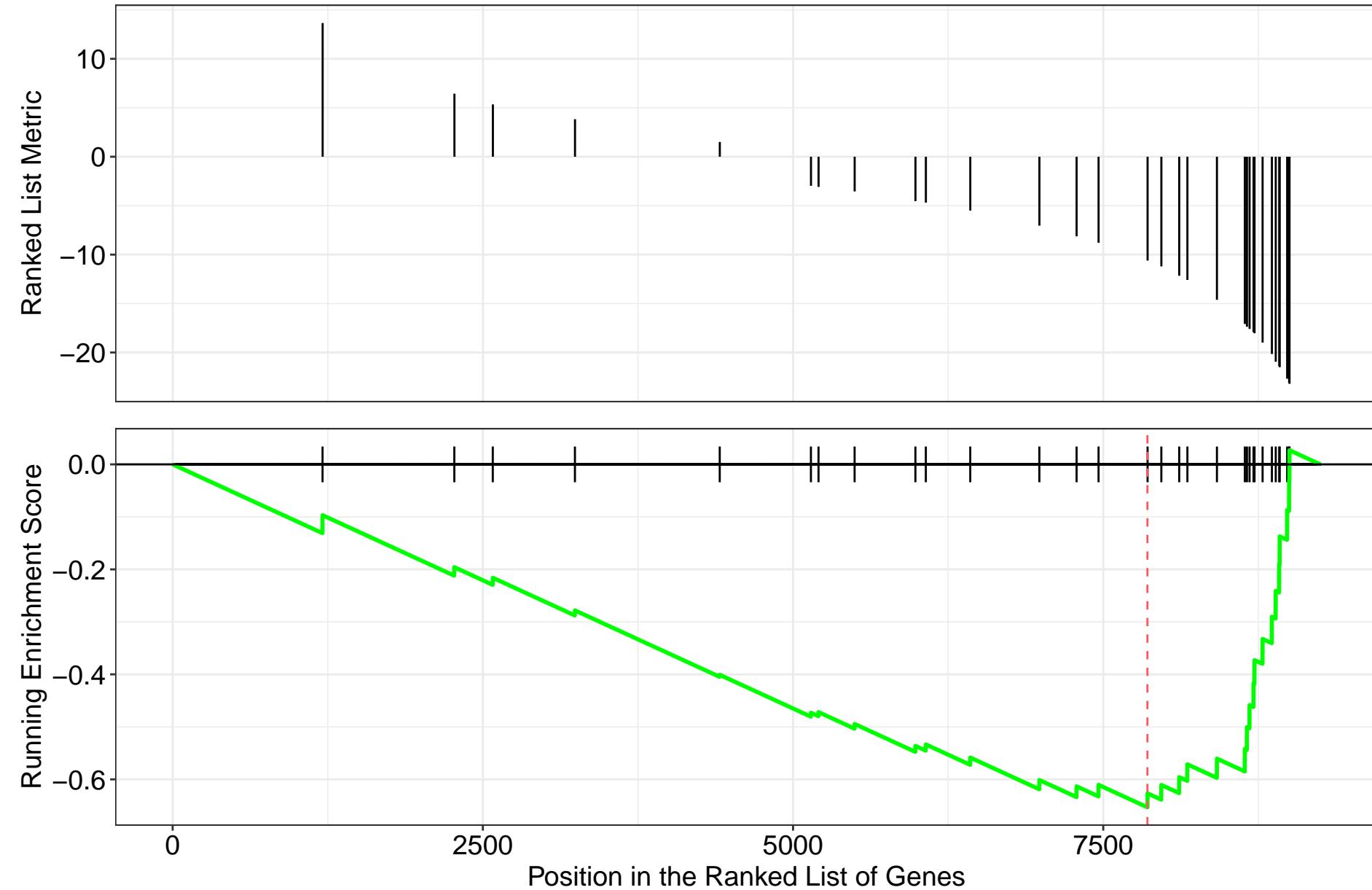
positive regulation of cytokine production involved in immune response



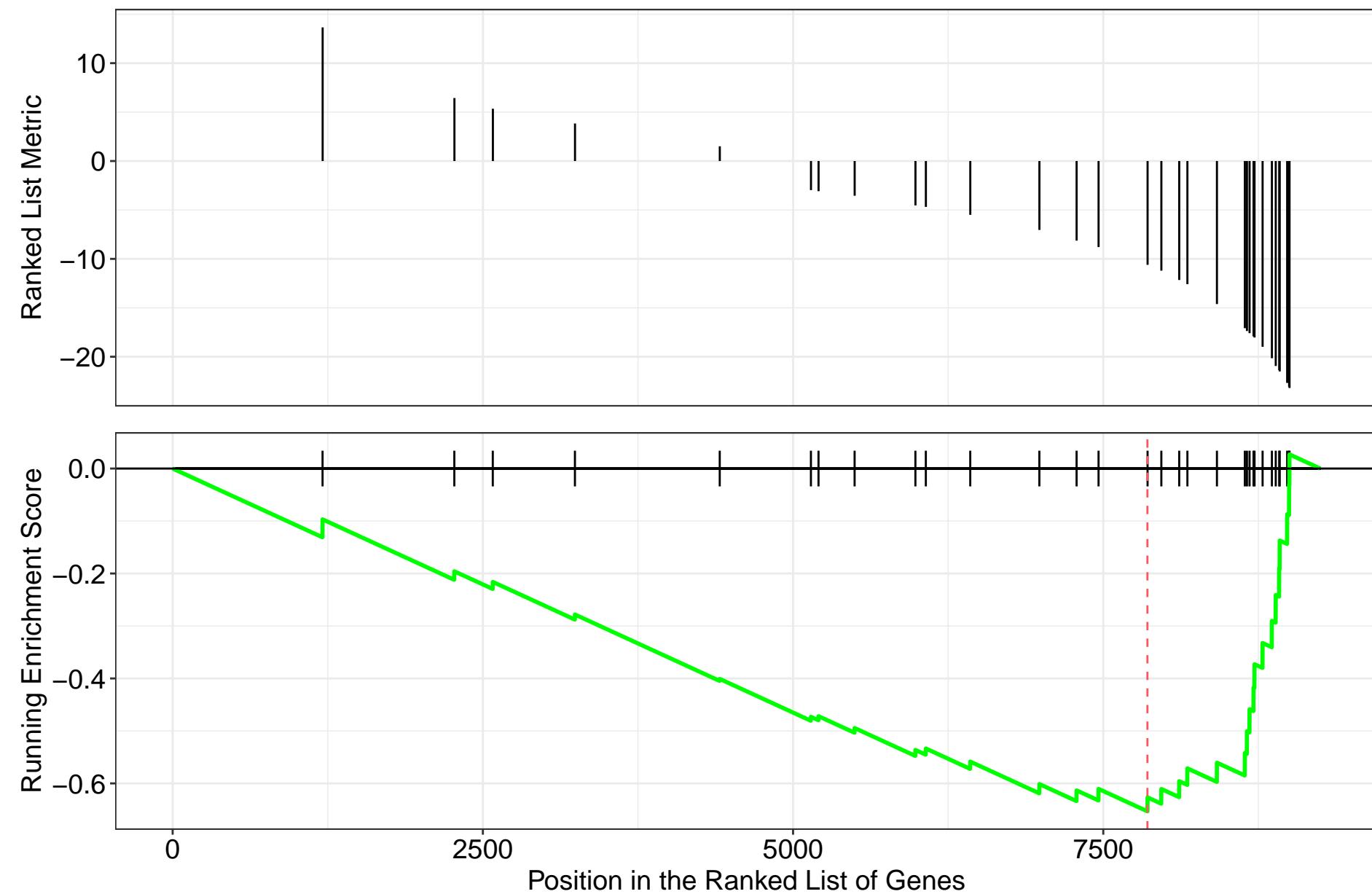
ERK1 and ERK2 cascade



mitotic spindle assembly checkpoint signaling

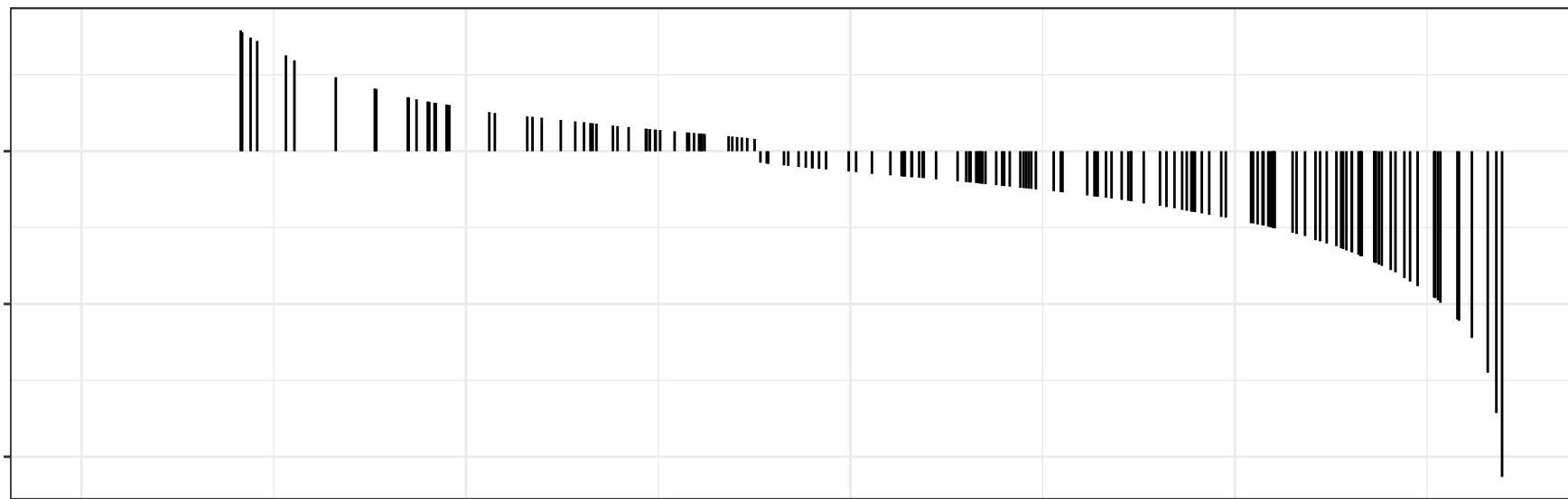


spindle assembly checkpoint signaling

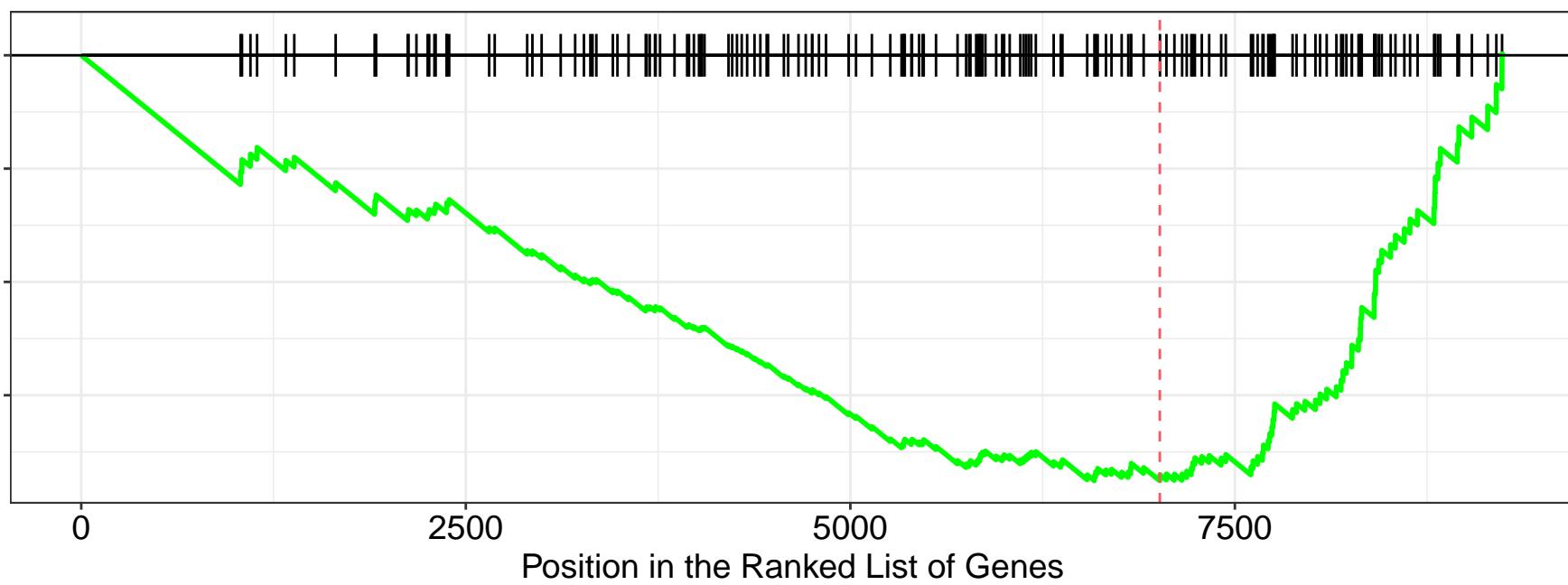


double-strand break repair

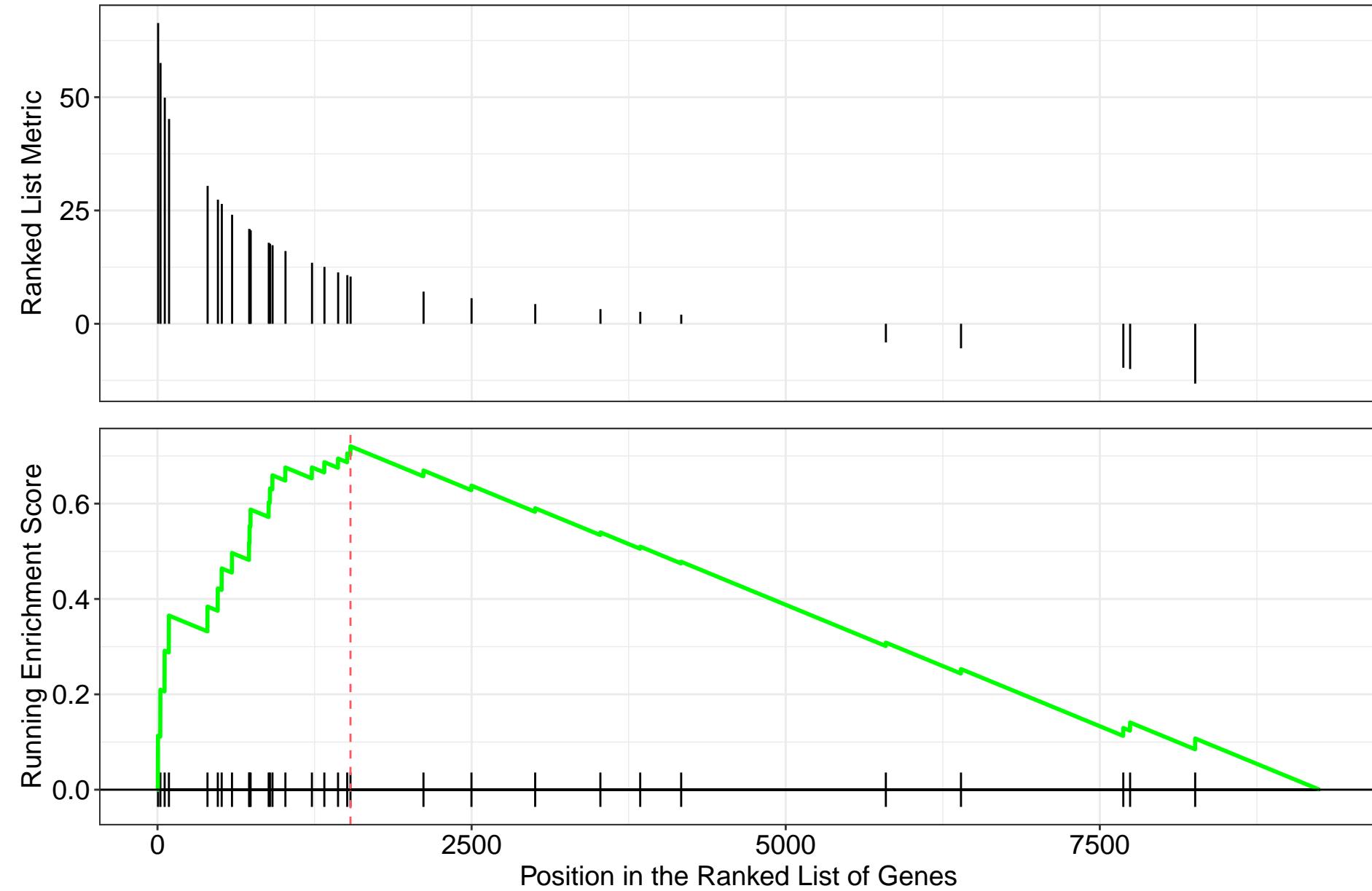
Ranked List Metric



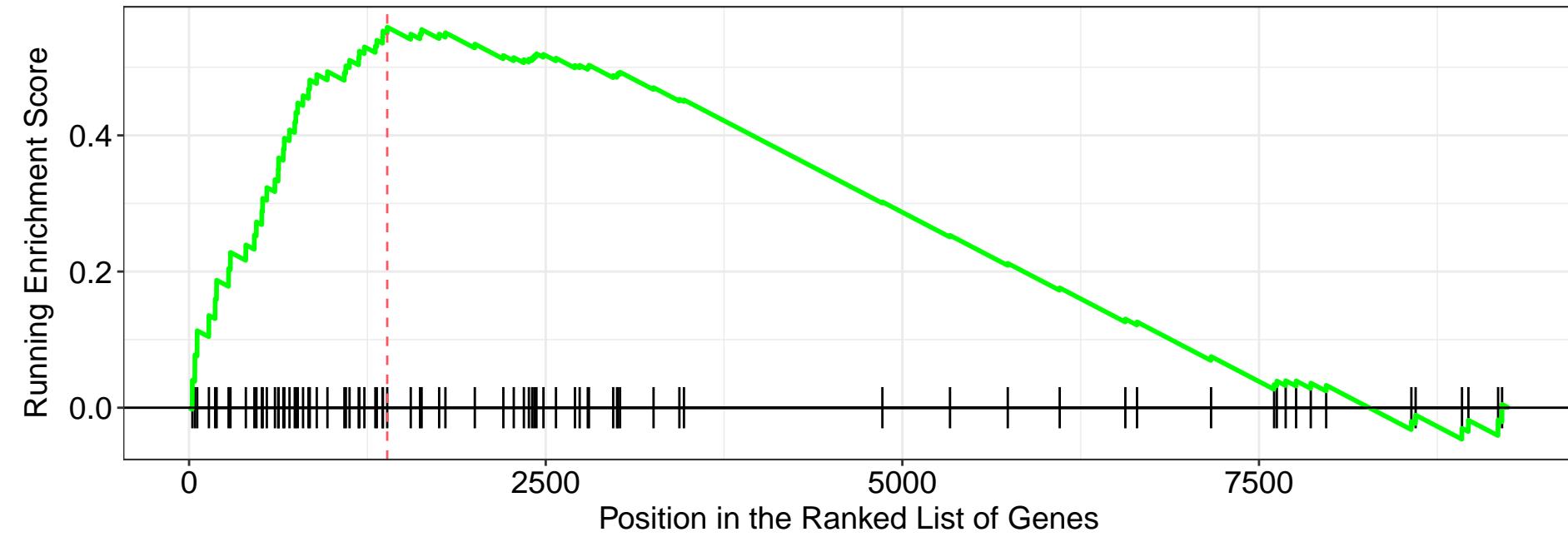
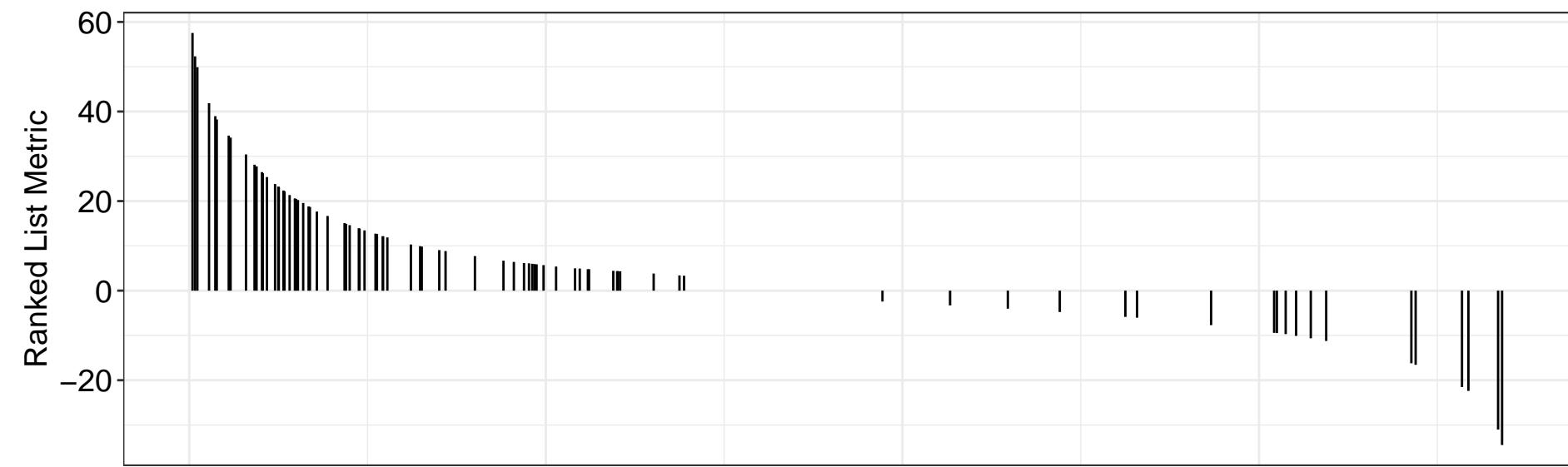
Running Enrichment Score



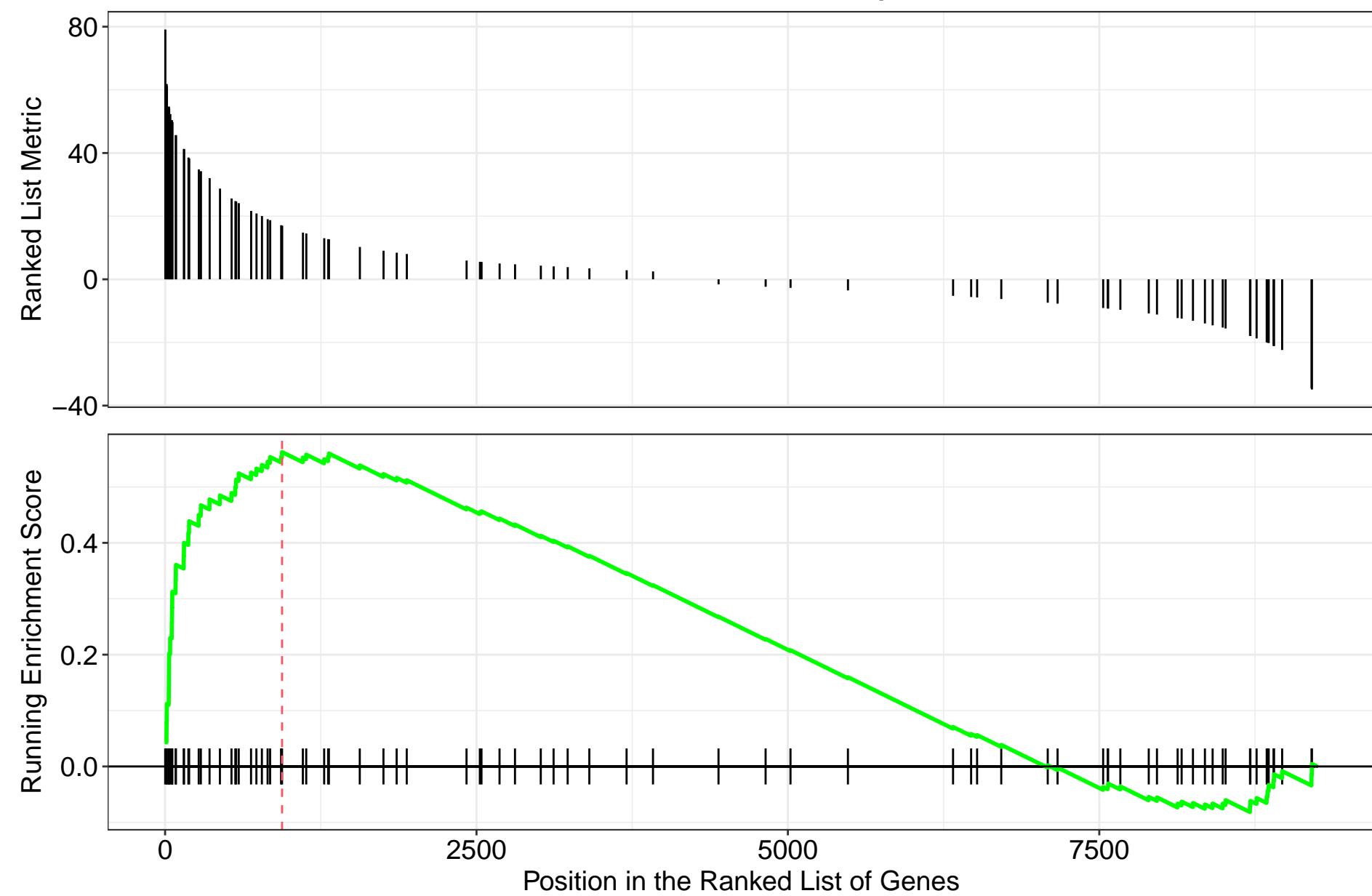
interleukin–17 production



leukocyte mediated cytotoxicity

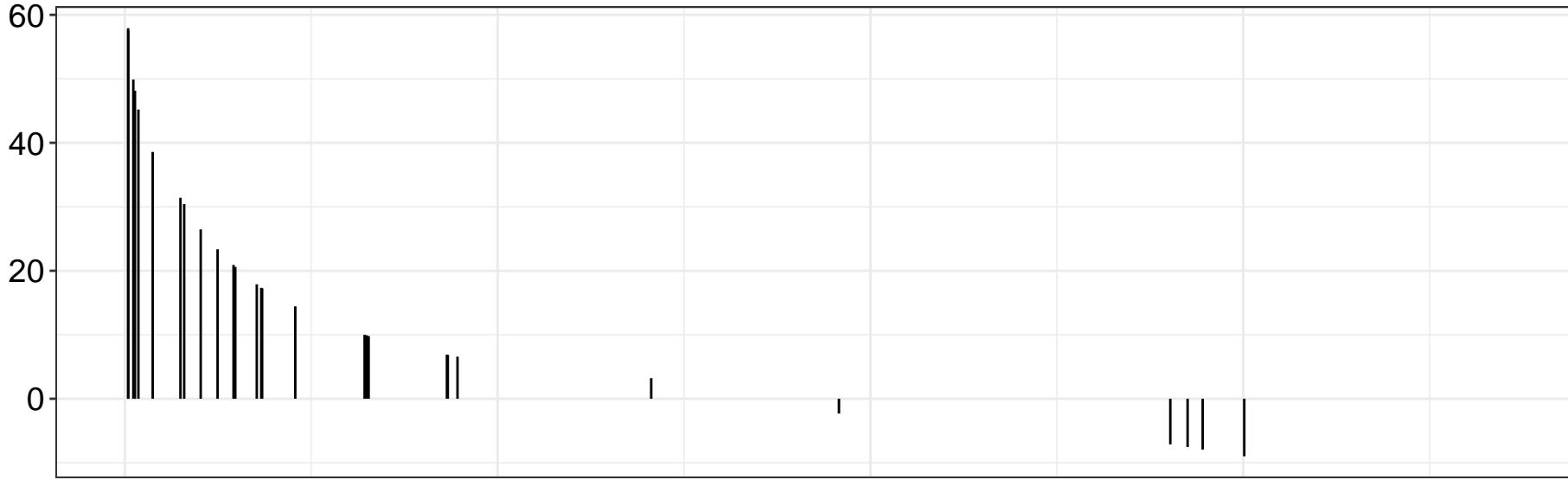


humoral immune response



positive regulation of tyrosine phosphorylation of STAT protein

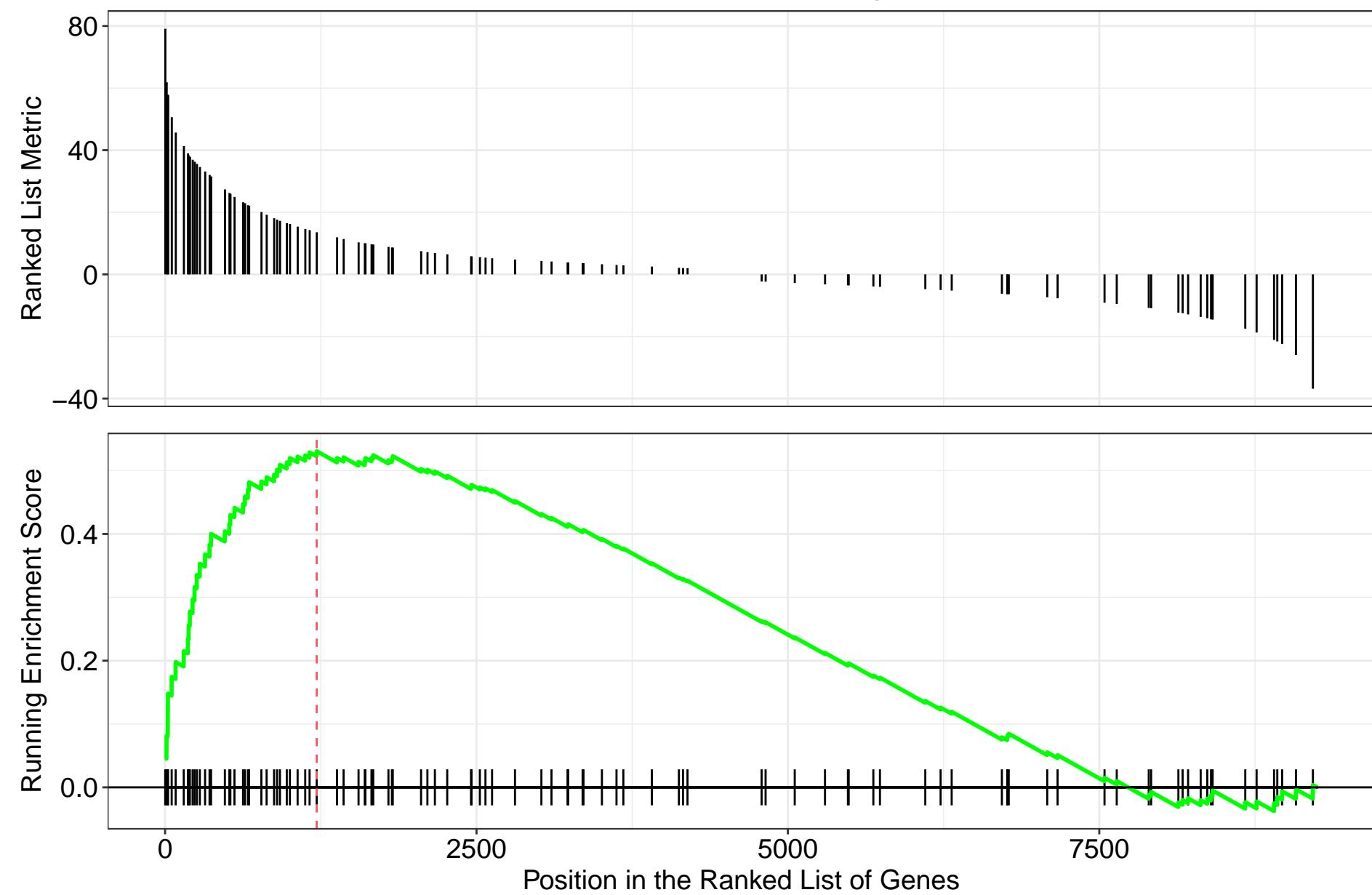
Ranked List Metric



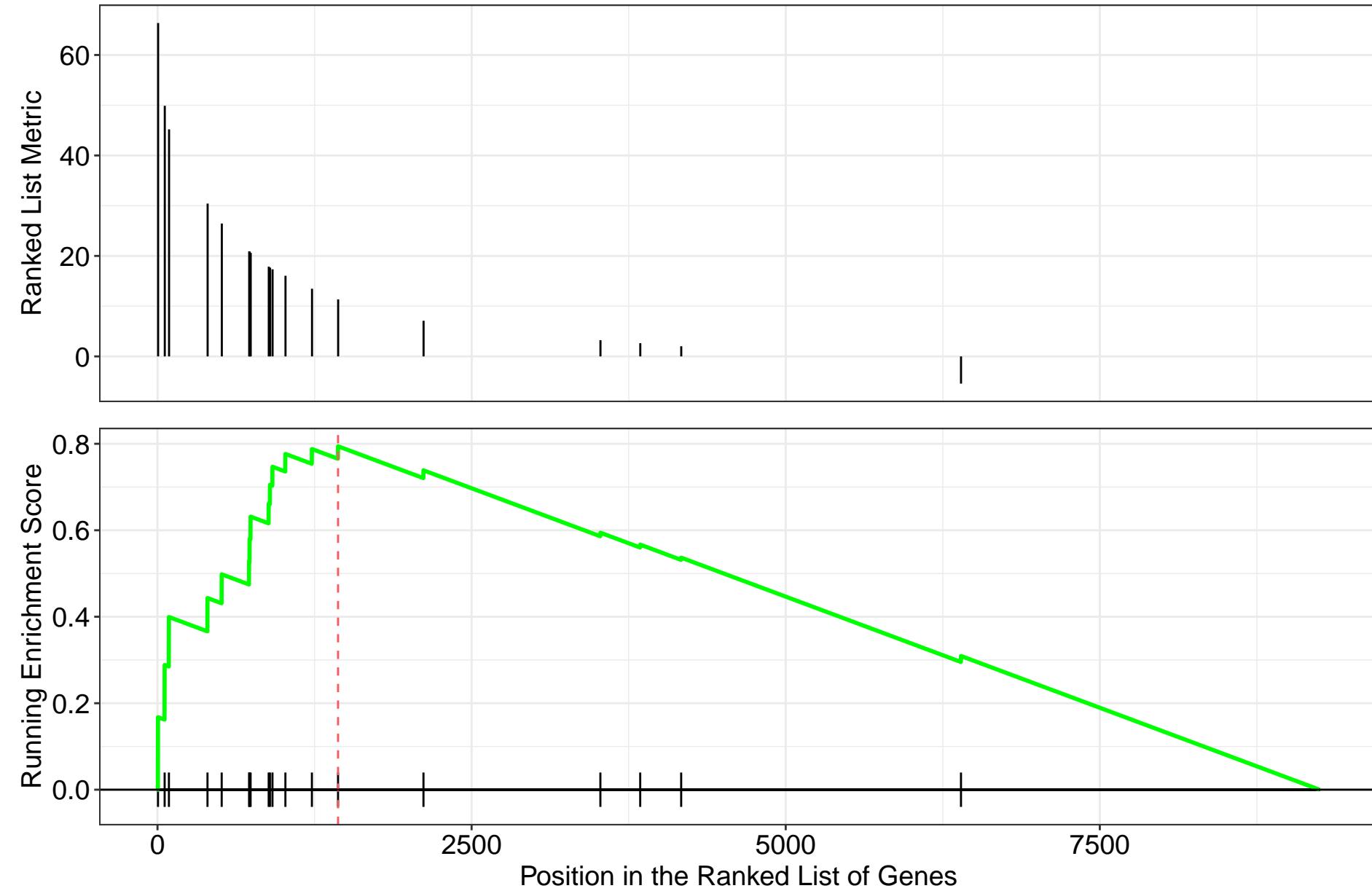
Running Enrichment Score



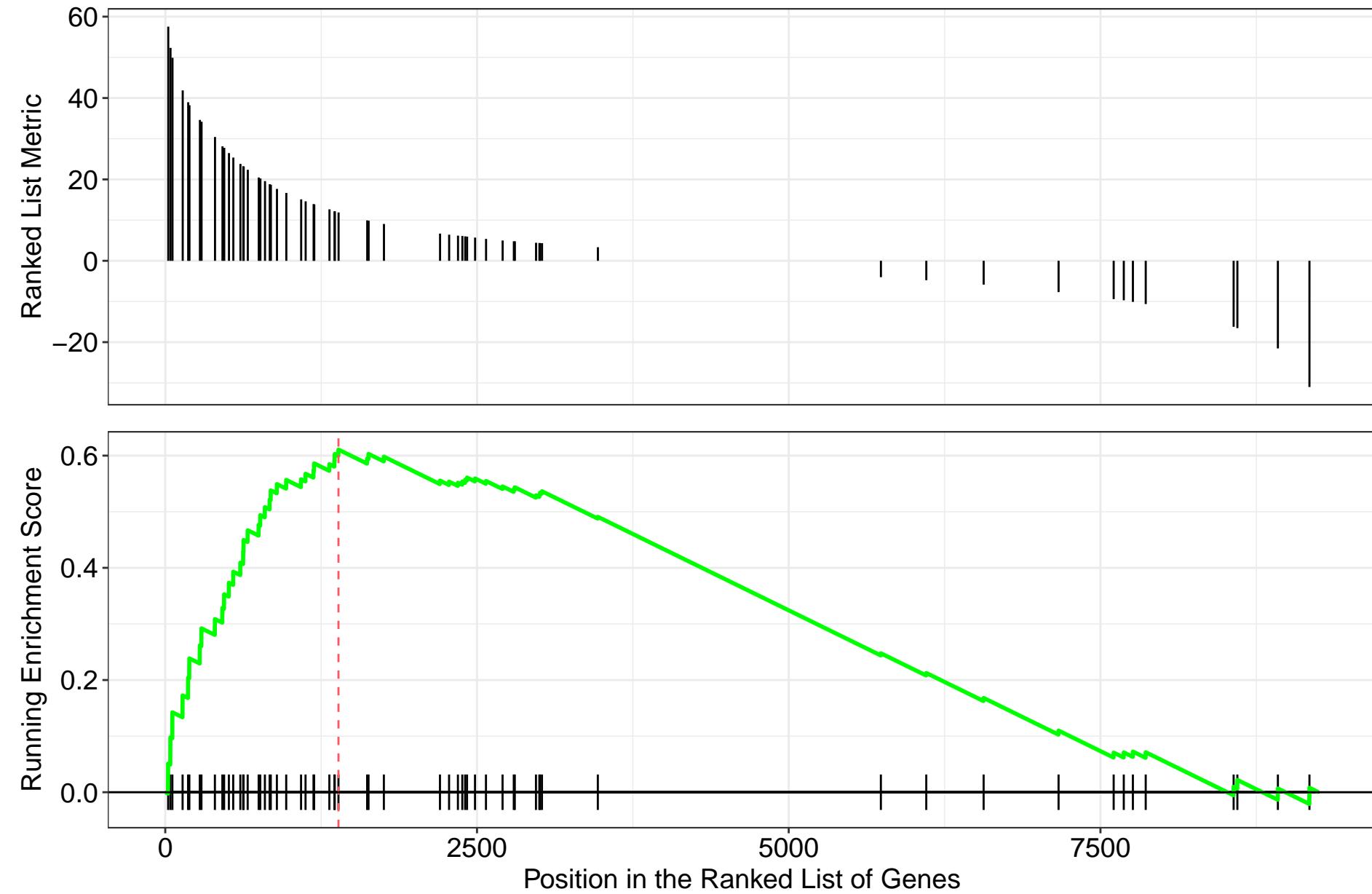
mononuclear cell migration



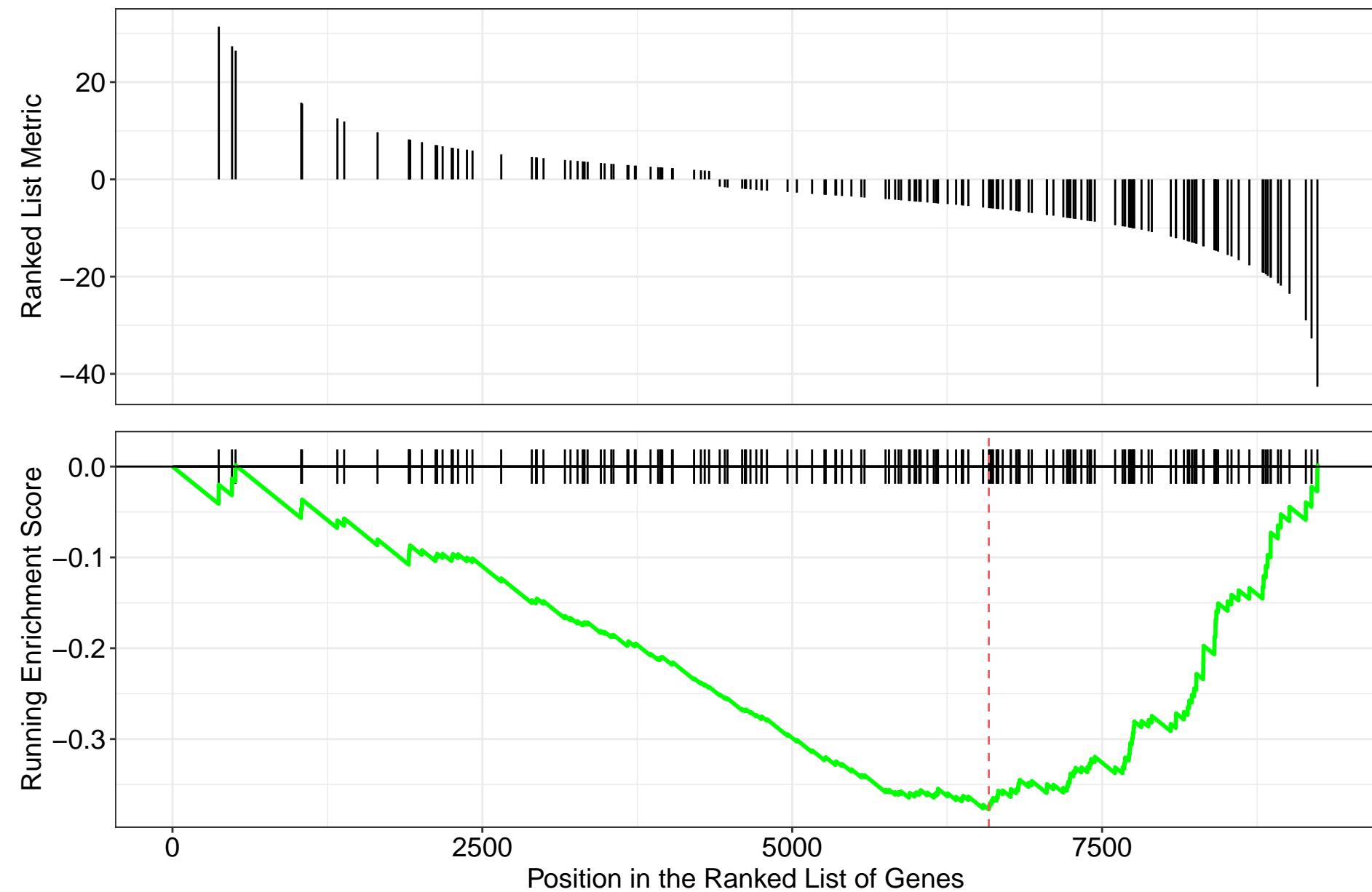
positive regulation of interleukin–17 production



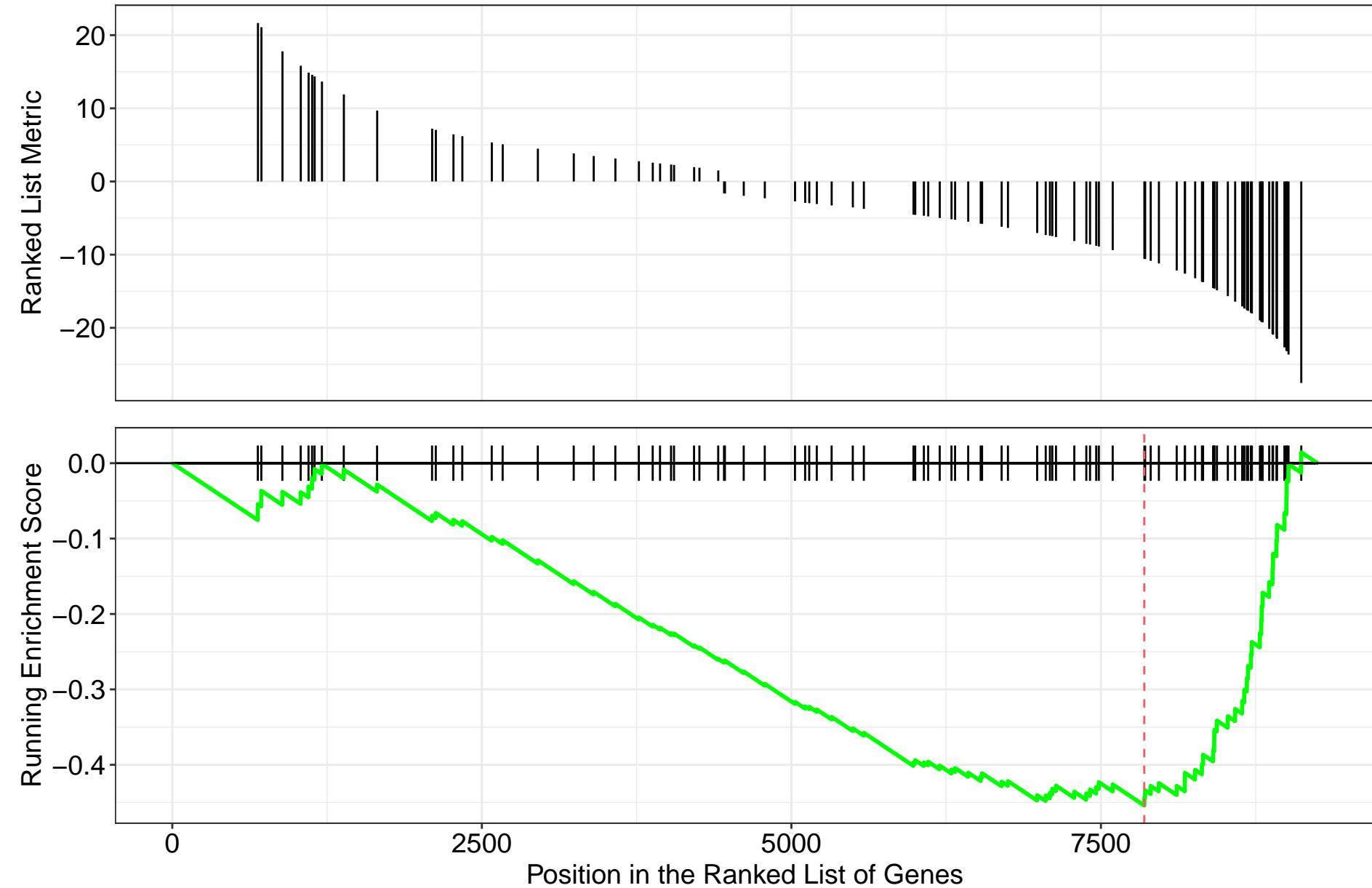
regulation of leukocyte mediated cytotoxicity



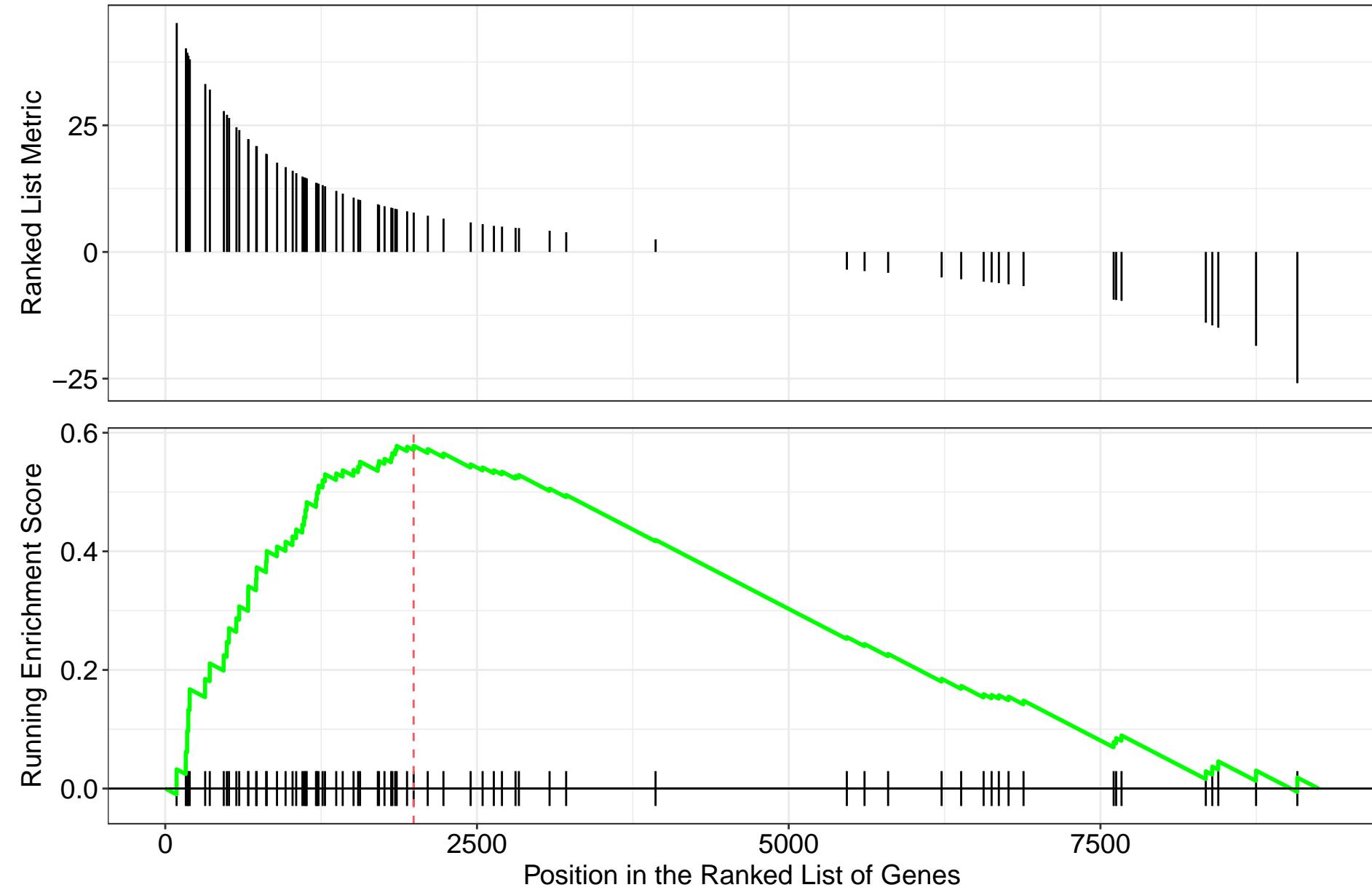
DNA recombination



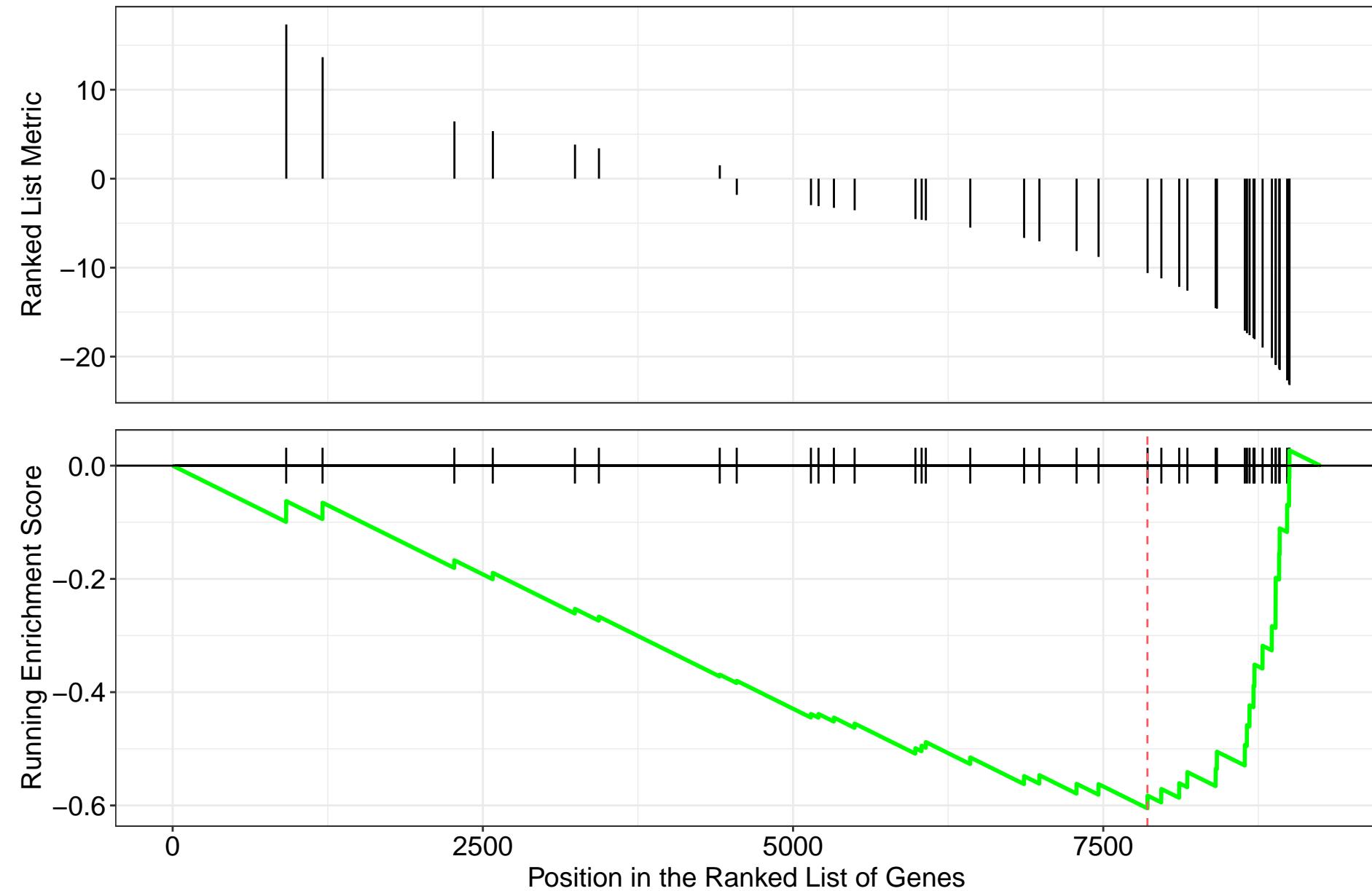
mitotic cell cycle checkpoint signaling



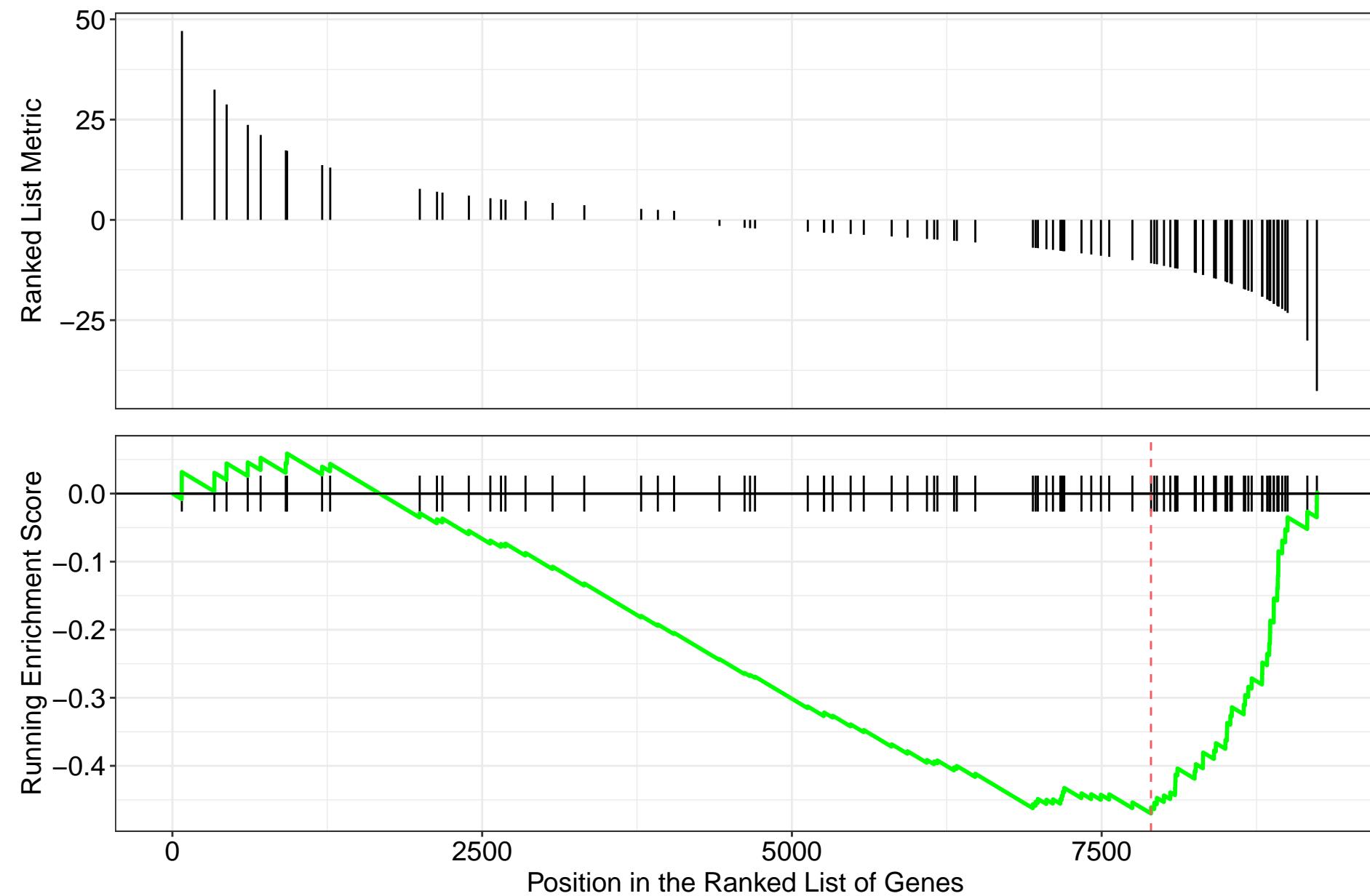
regulation of interleukin–1 production



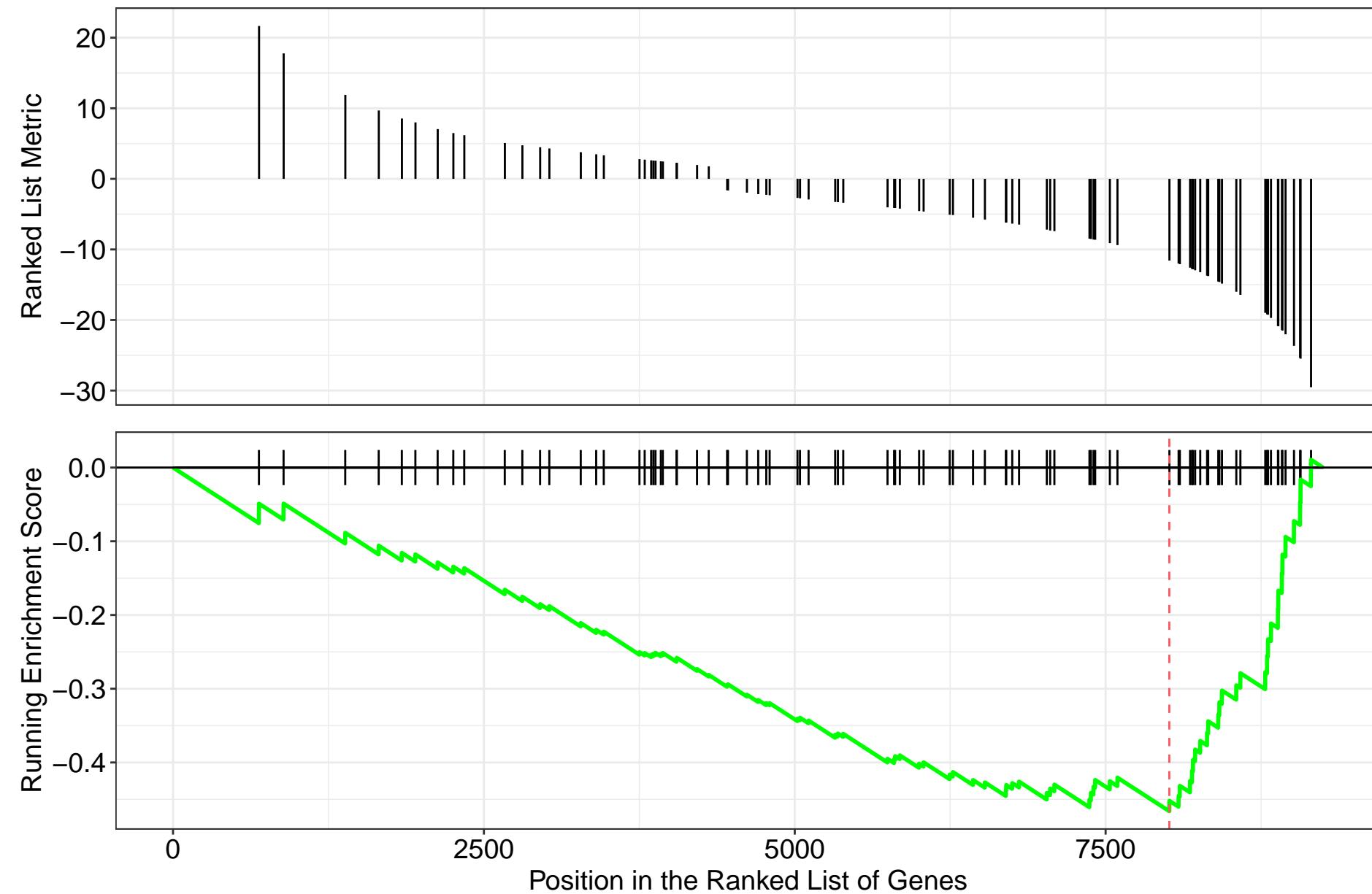
negative regulation of nuclear division



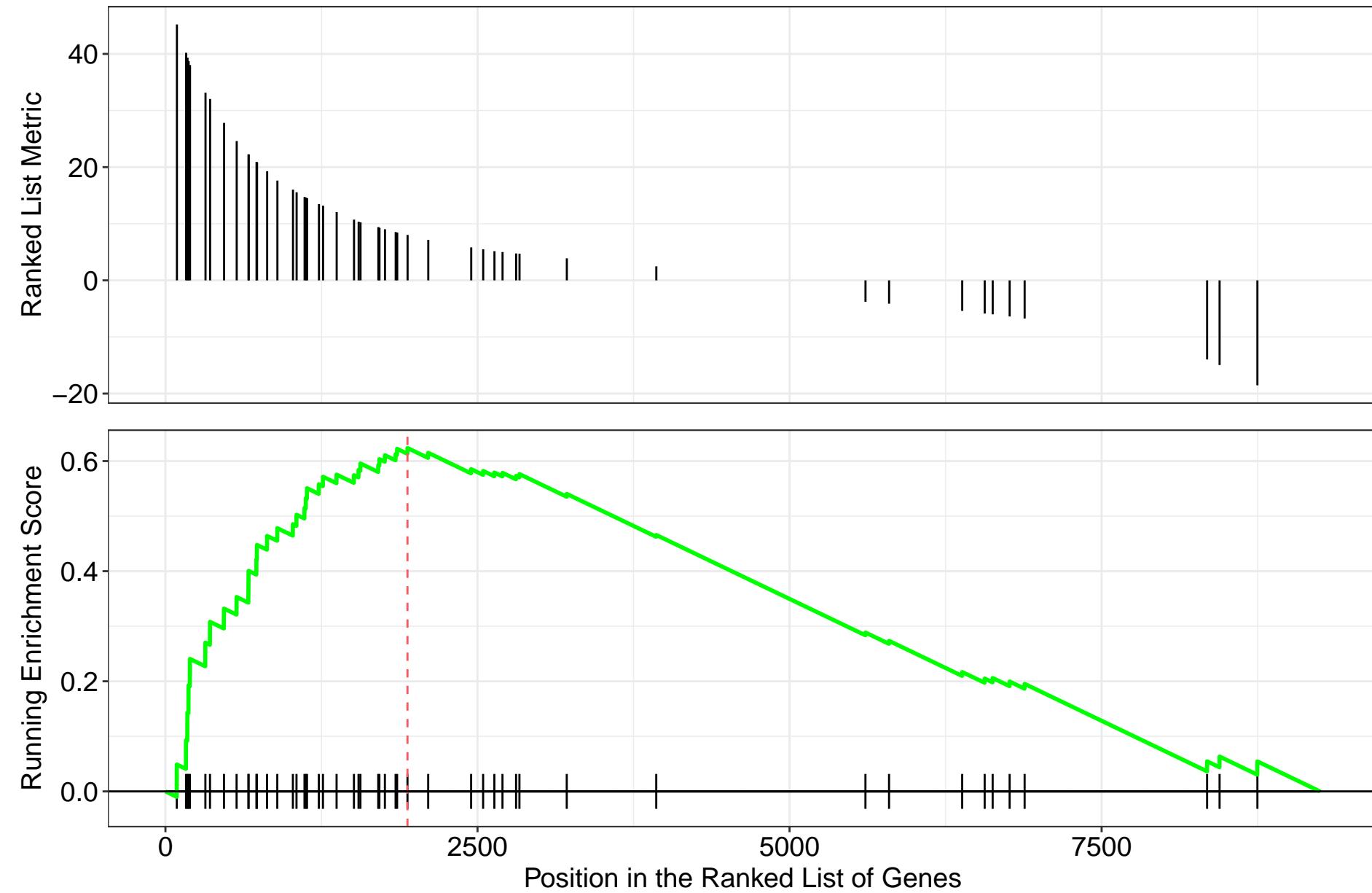
meiotic nuclear division



G2/M transition of mitotic cell cycle

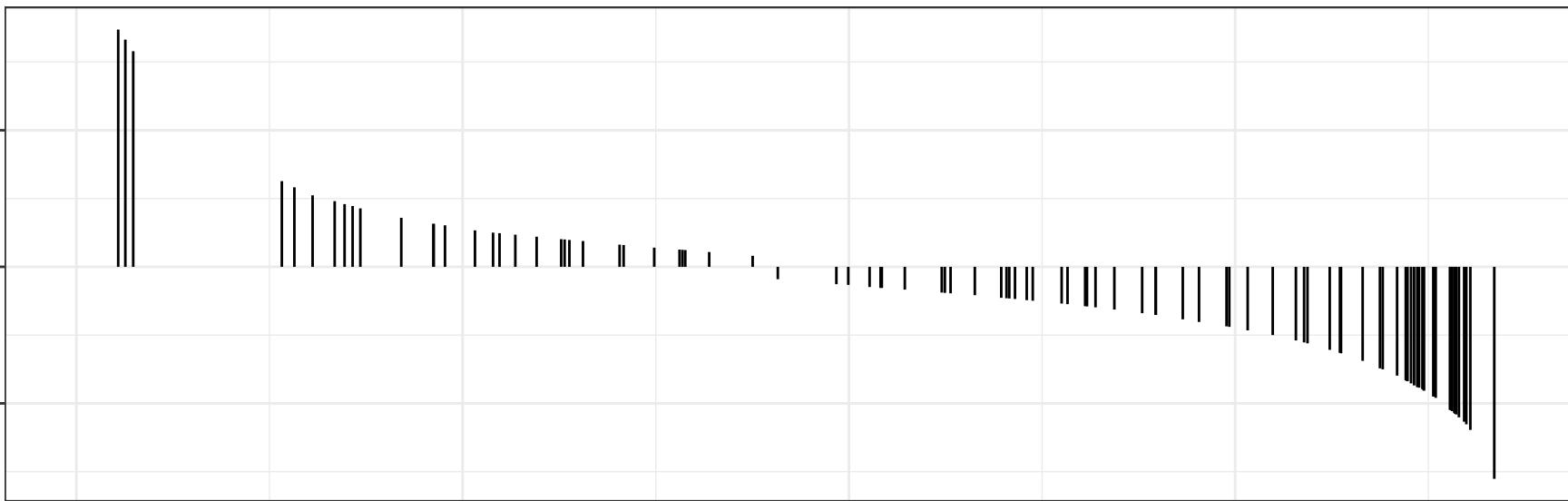


positive regulation of interleukin–1 production

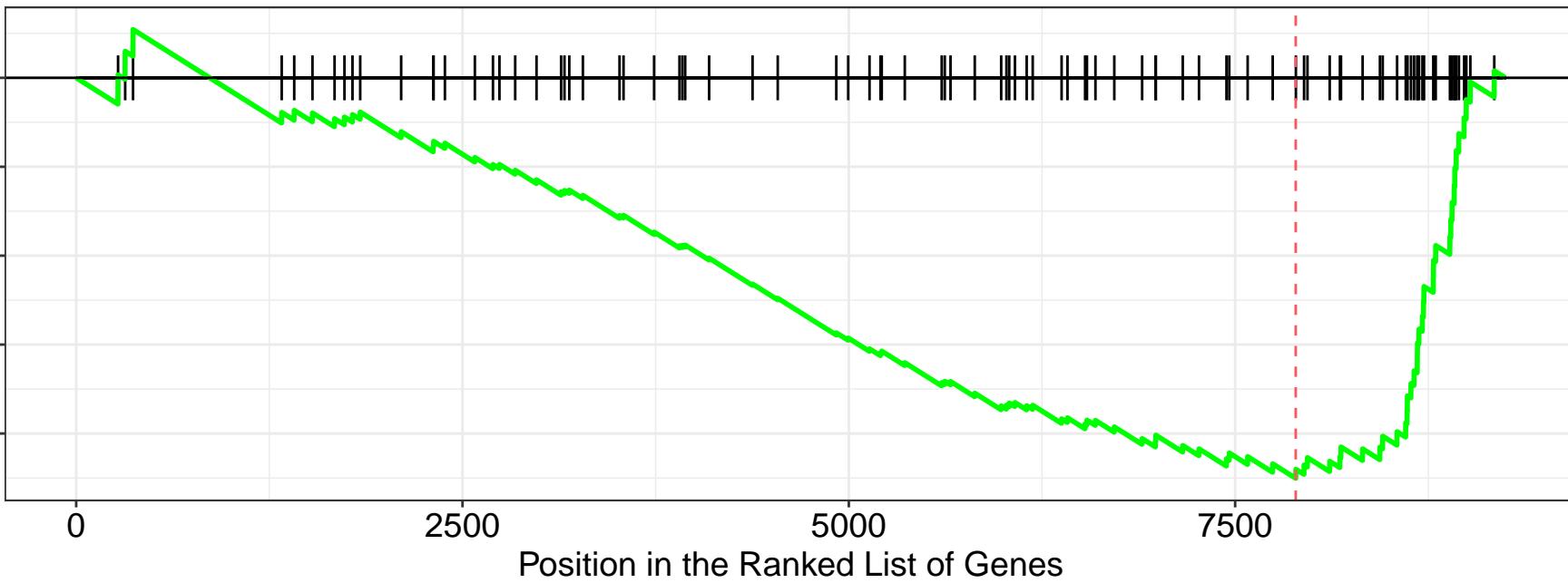


microtubule cytoskeleton organization involved in mitosis

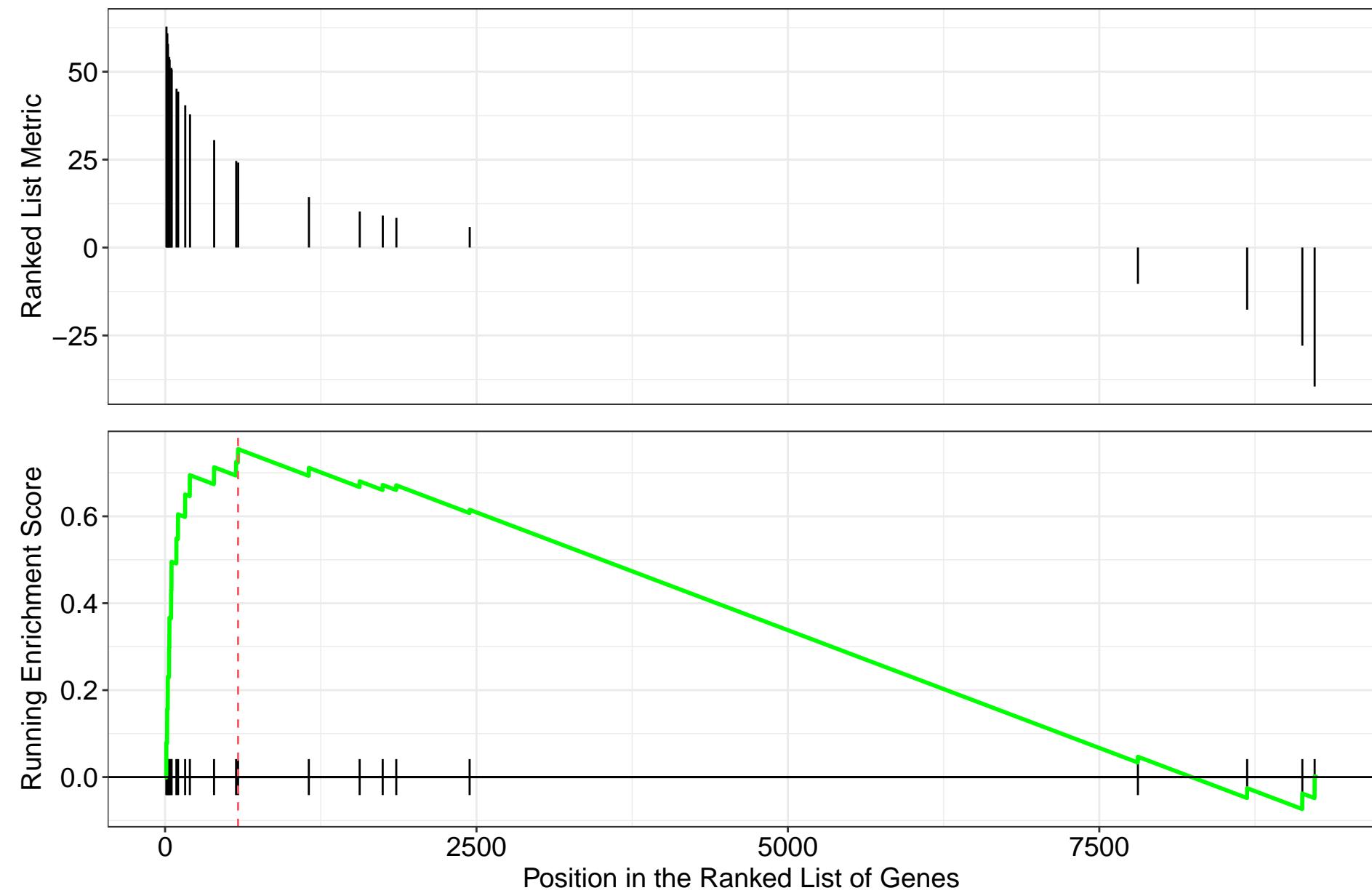
Ranked List Metric



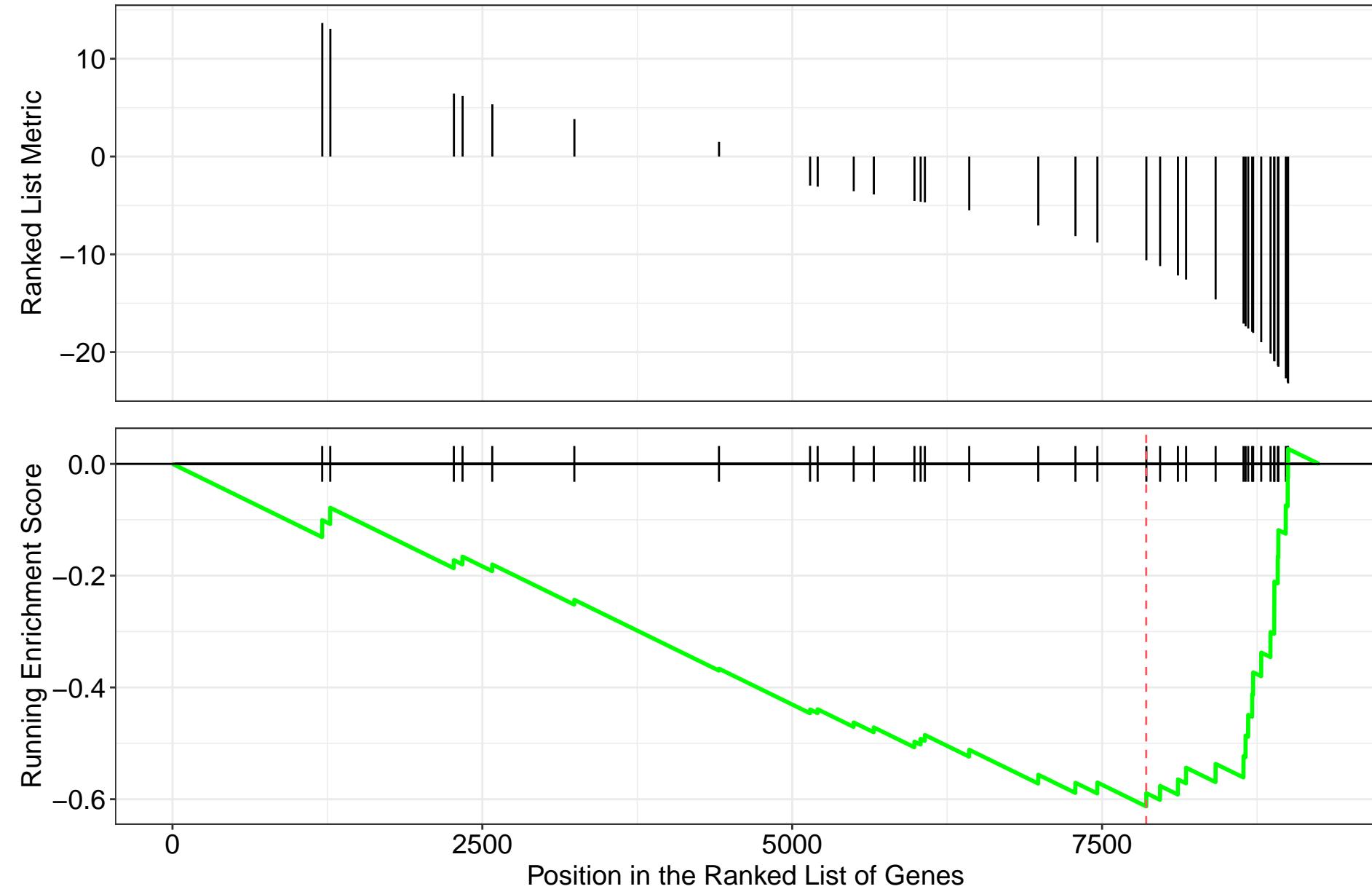
Running Enrichment Score



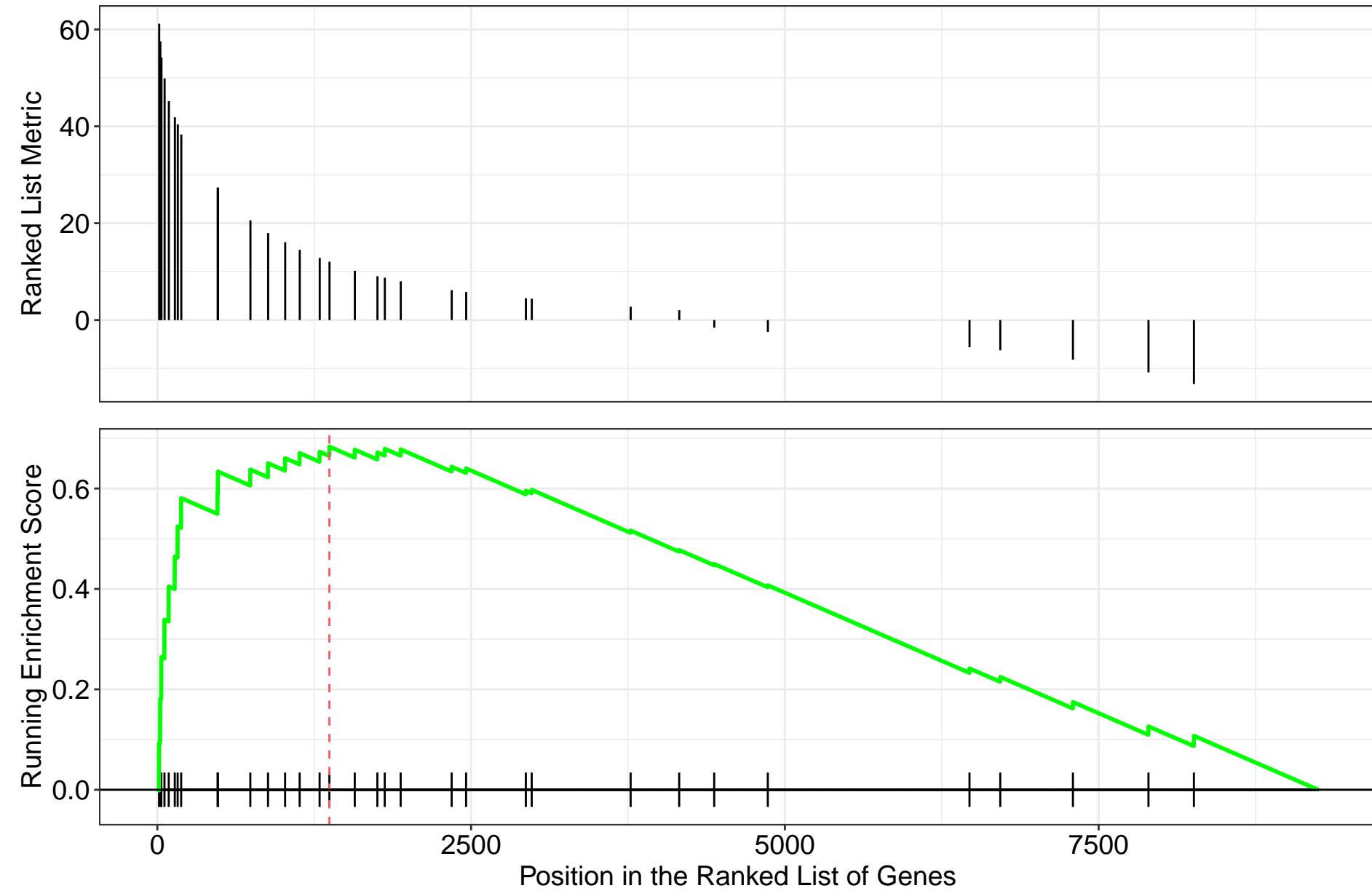
acute-phase response



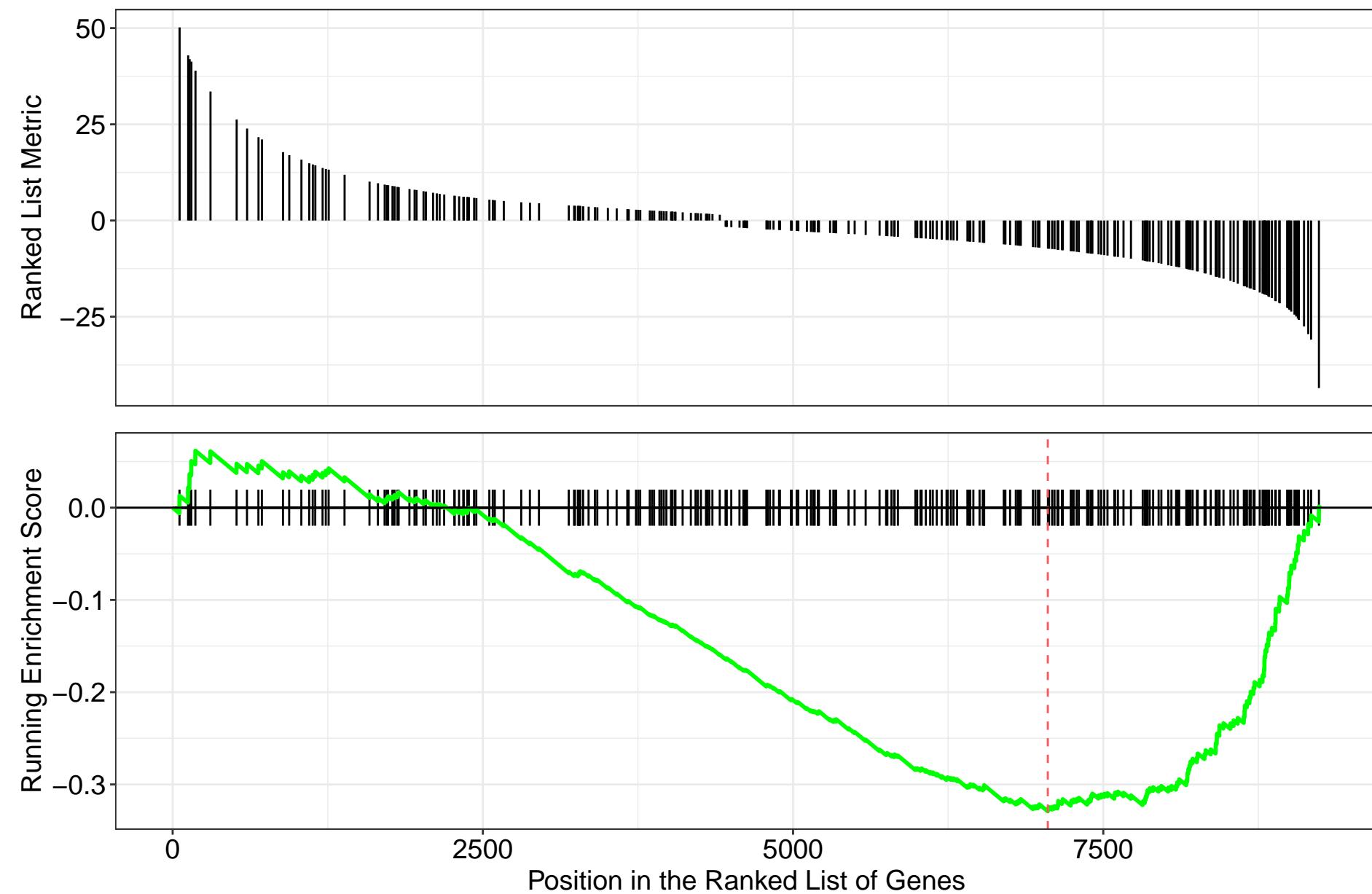
regulation of mitotic sister chromatid segregation



T cell cytokine production

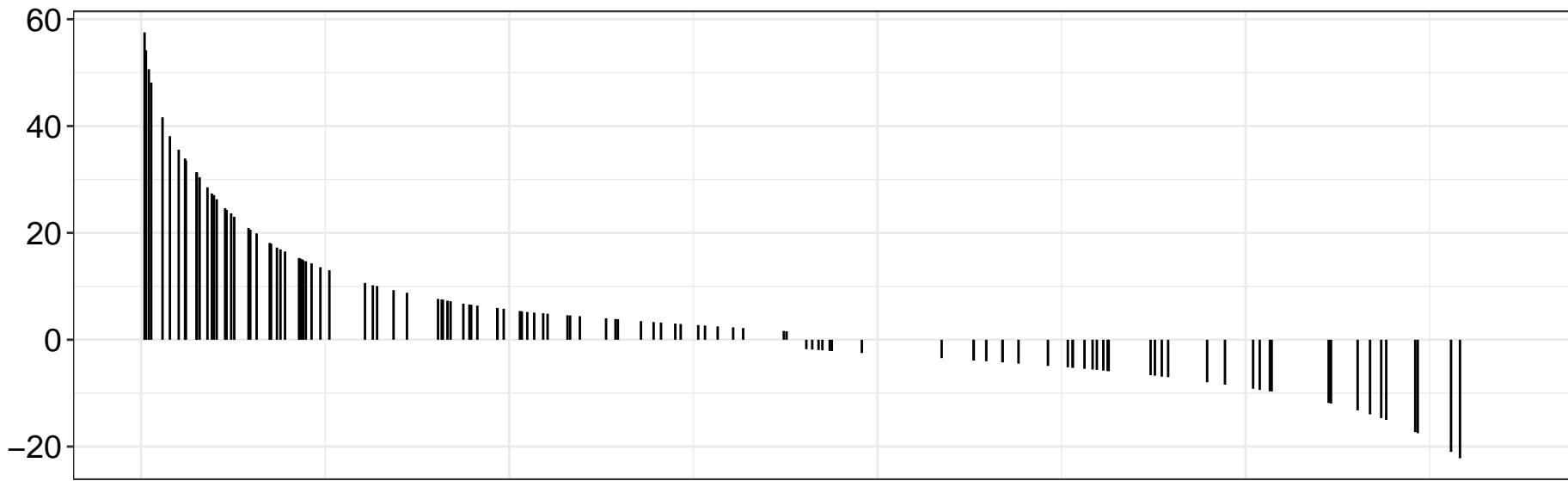


regulation of cell cycle phase transition



extrinsic apoptotic signaling pathway

Ranked List Metric



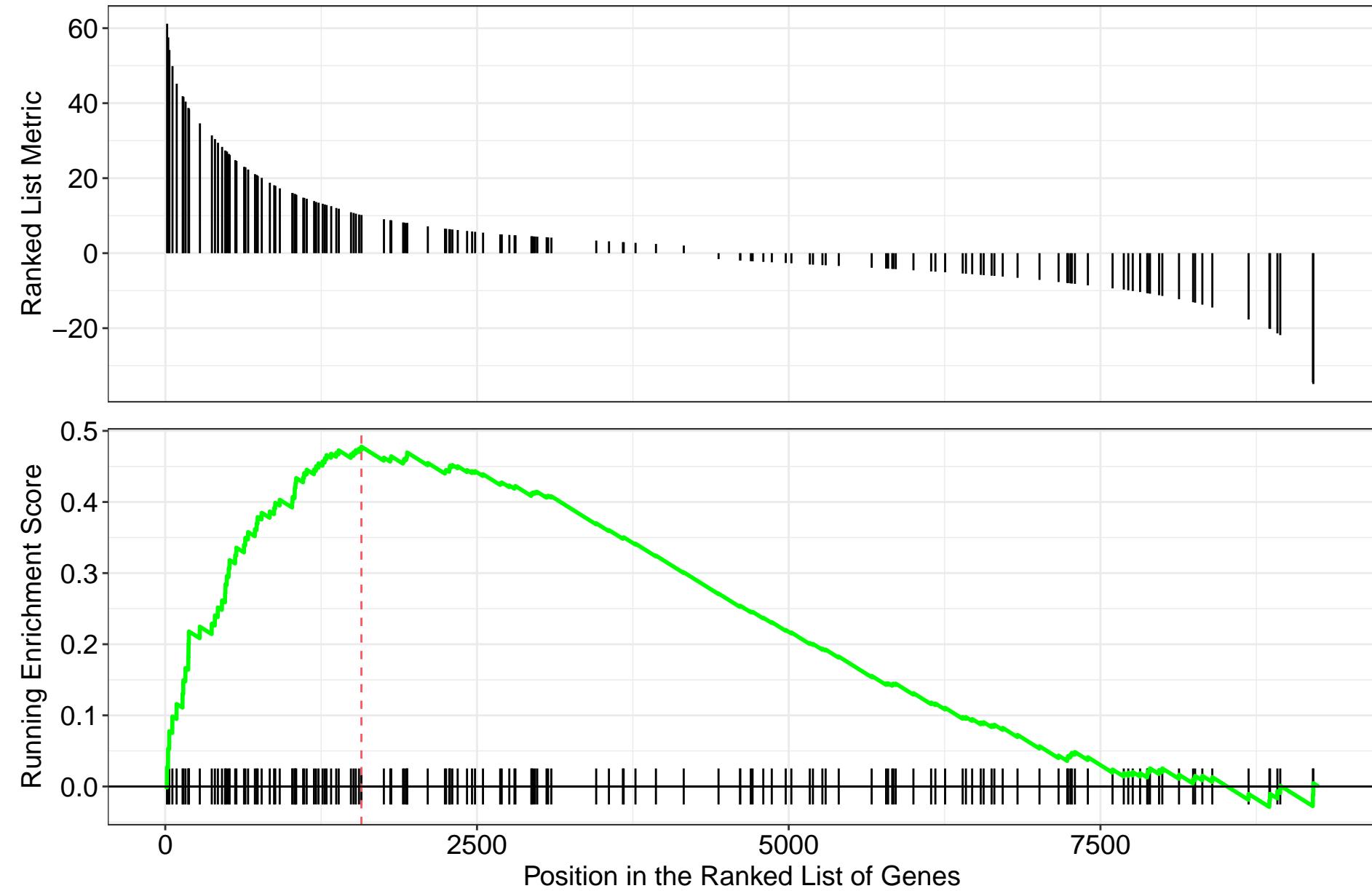
Running Enrichment Score

0 2500 5000 7500

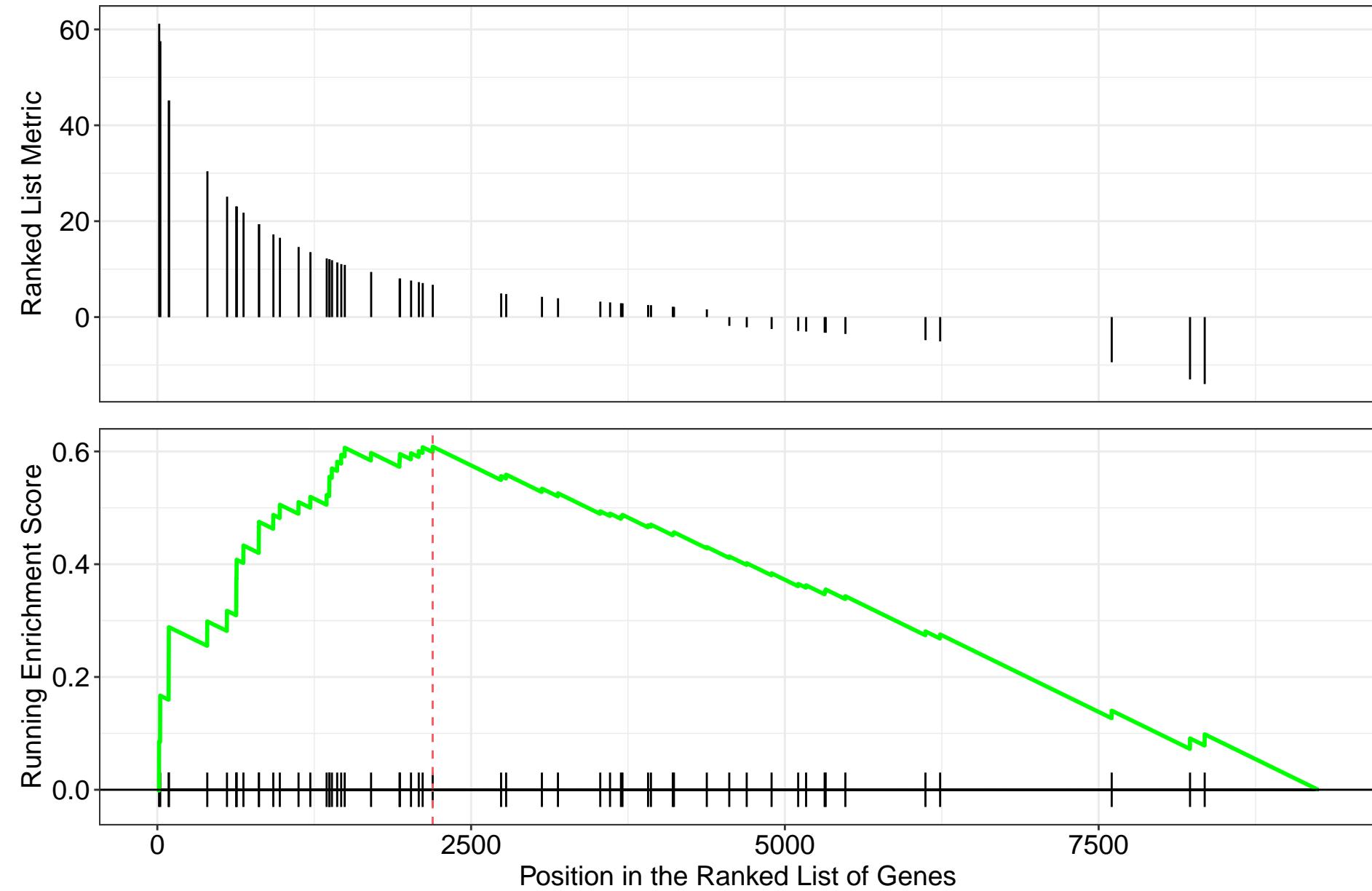
Position in the Ranked List of Genes



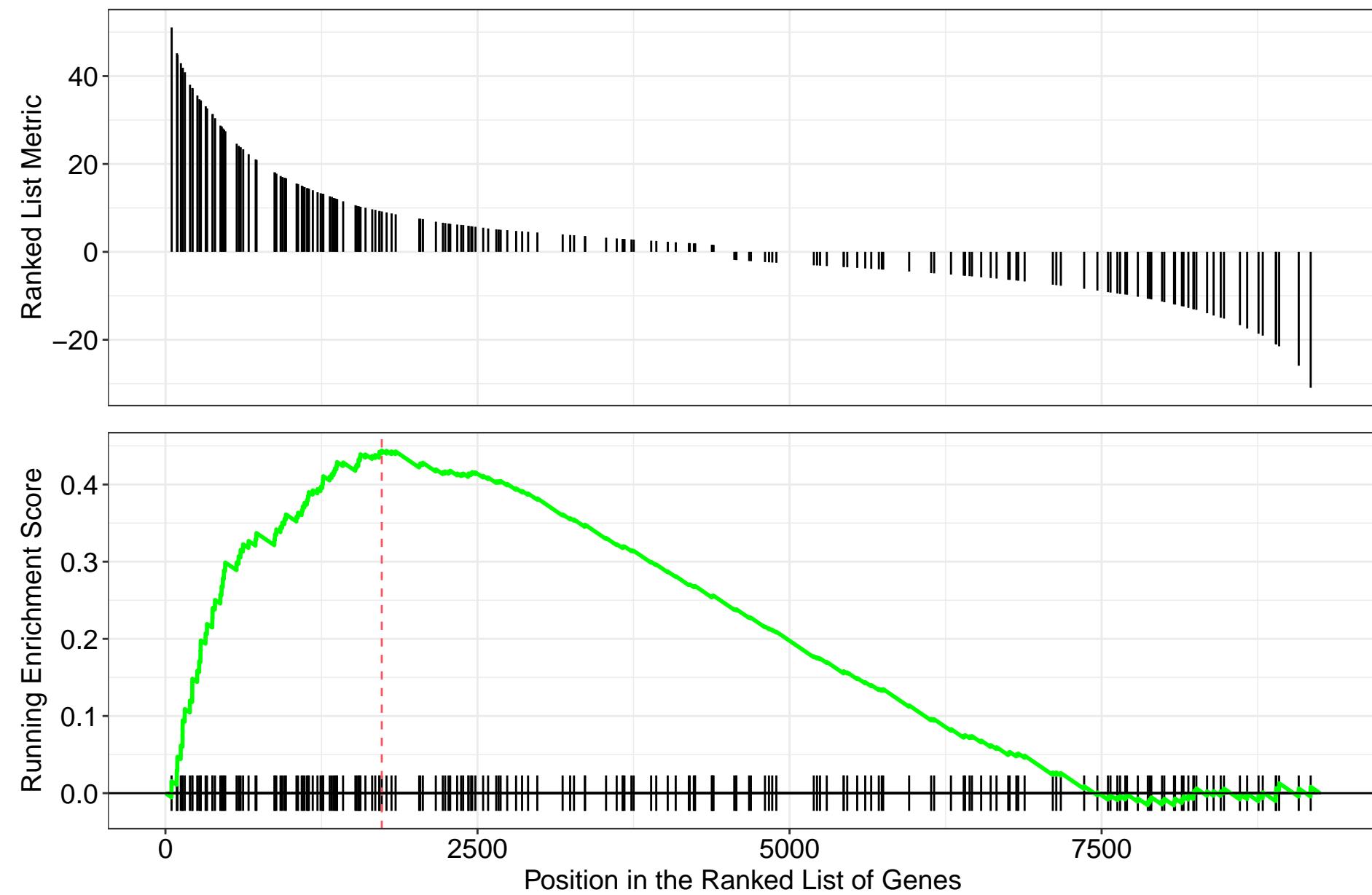
production of molecular mediator of immune response



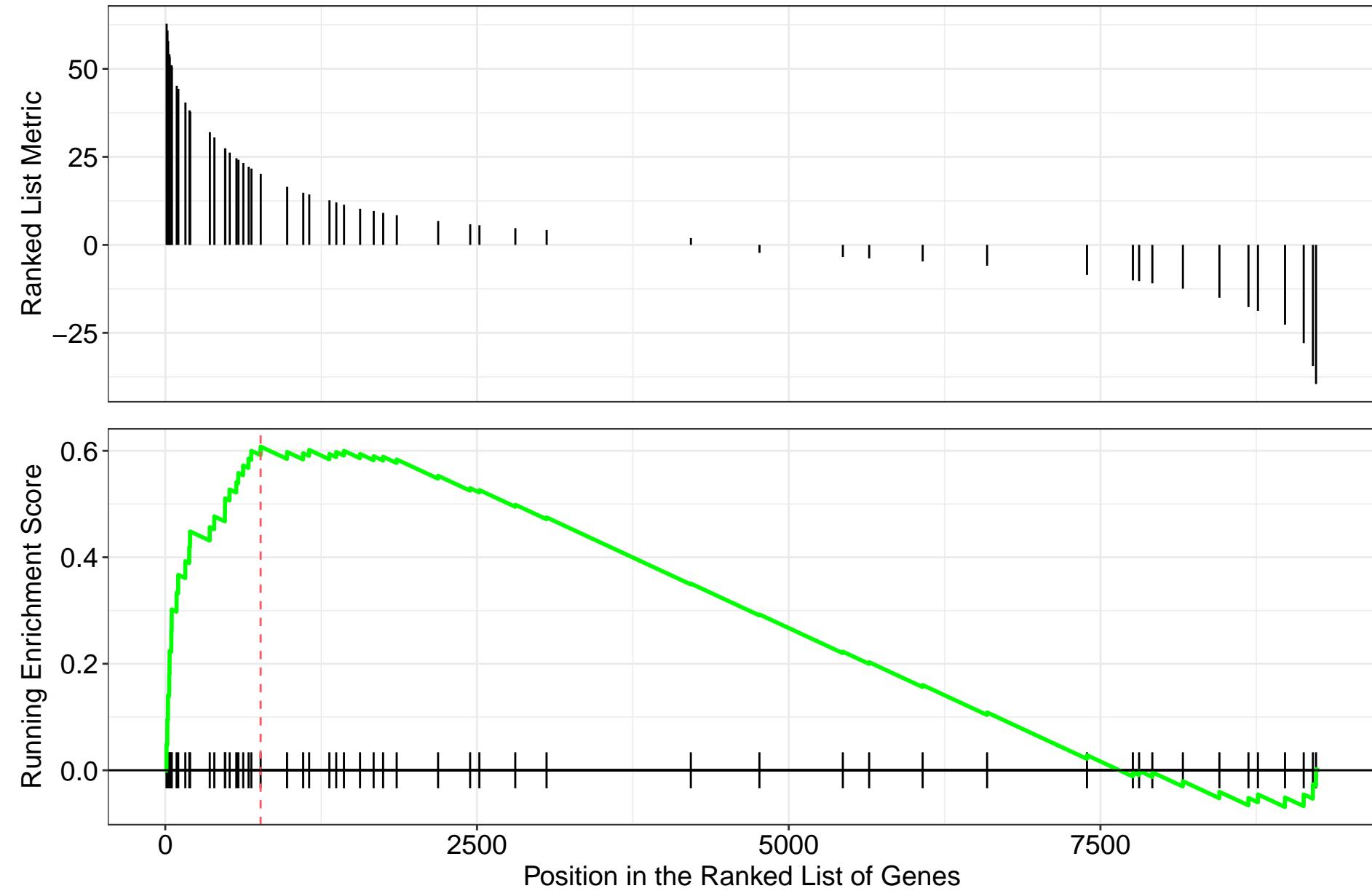
cellular response to virus



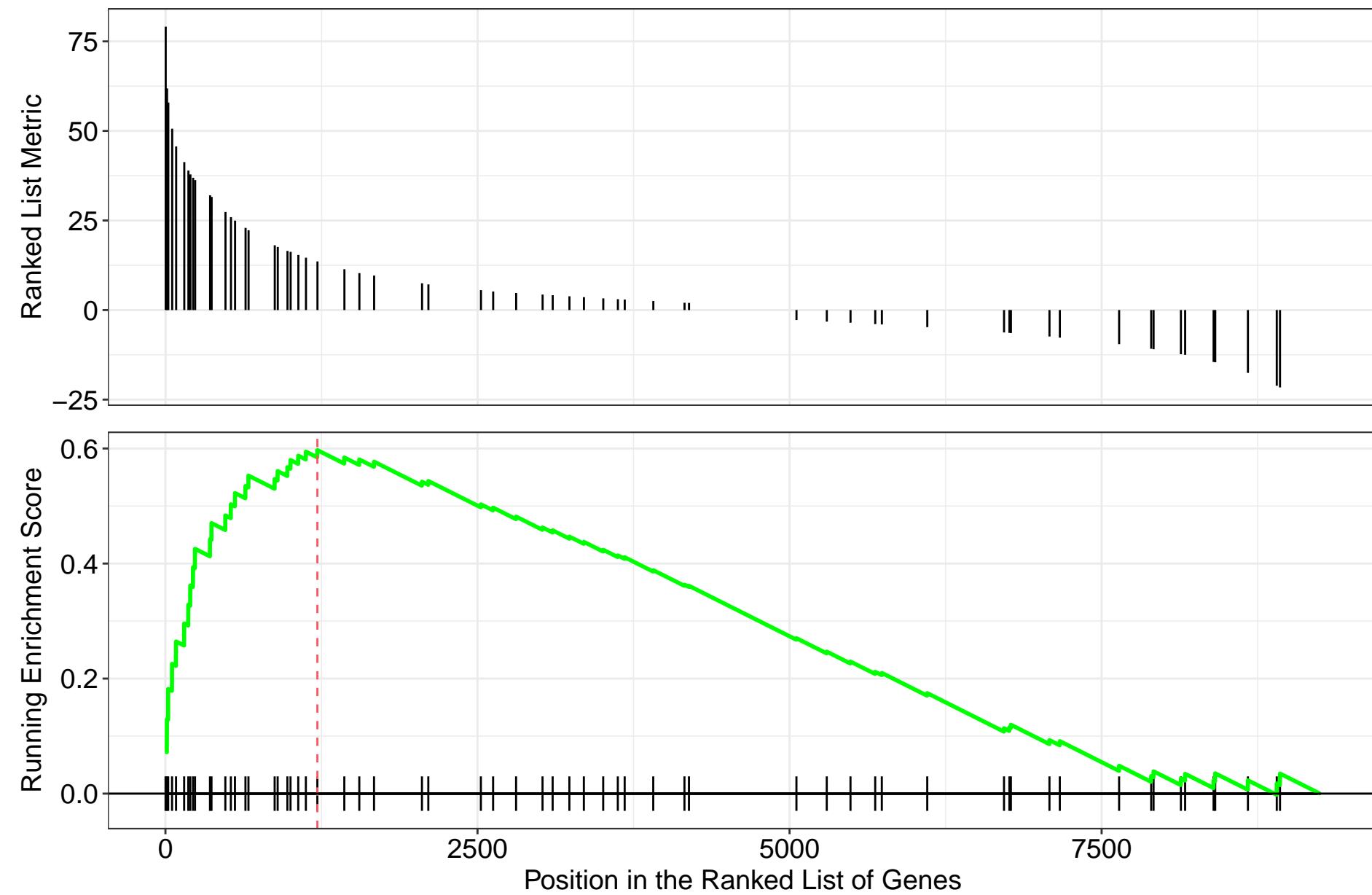
regulation of peptidase activity



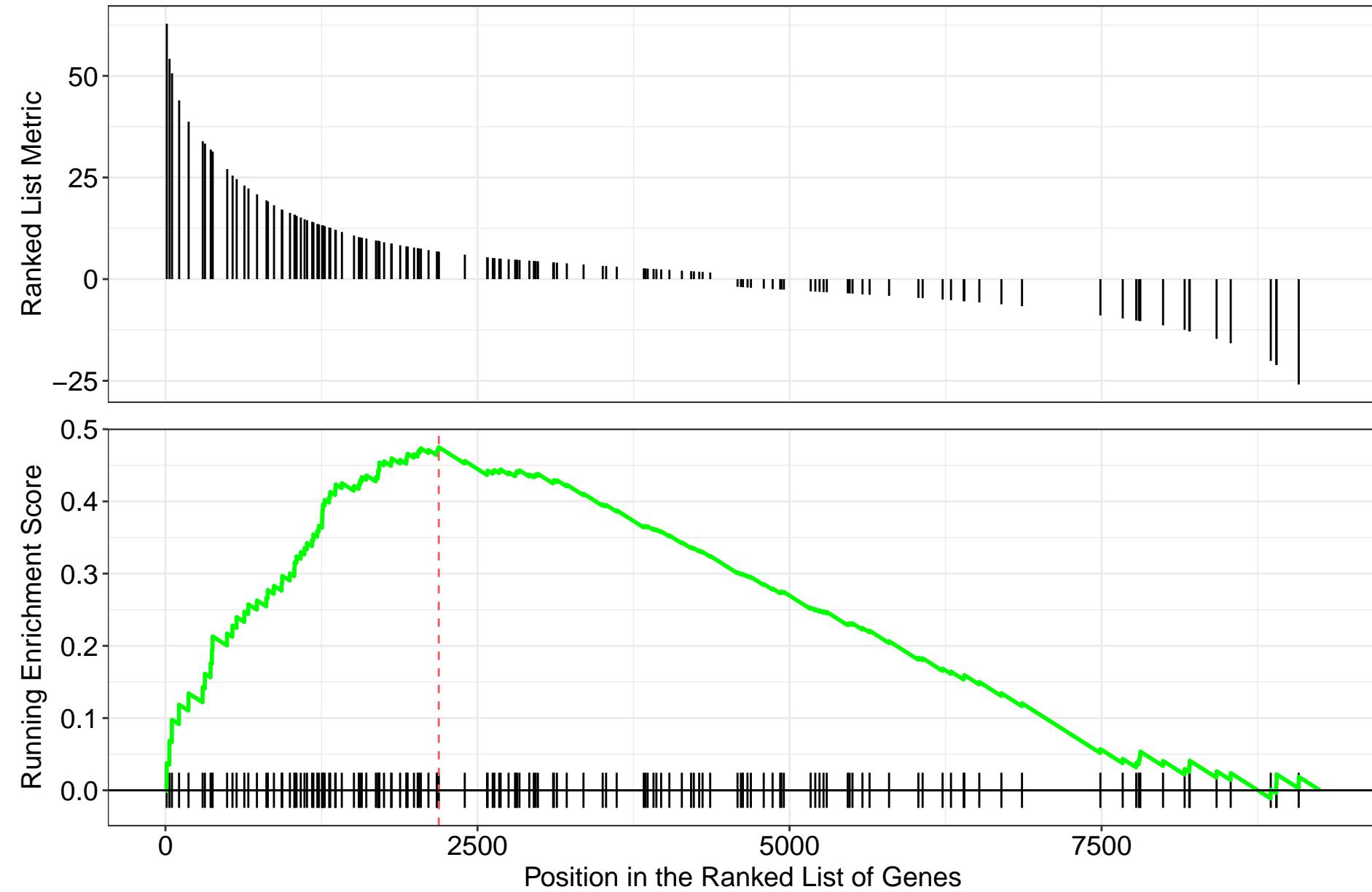
acute inflammatory response



lymphocyte migration

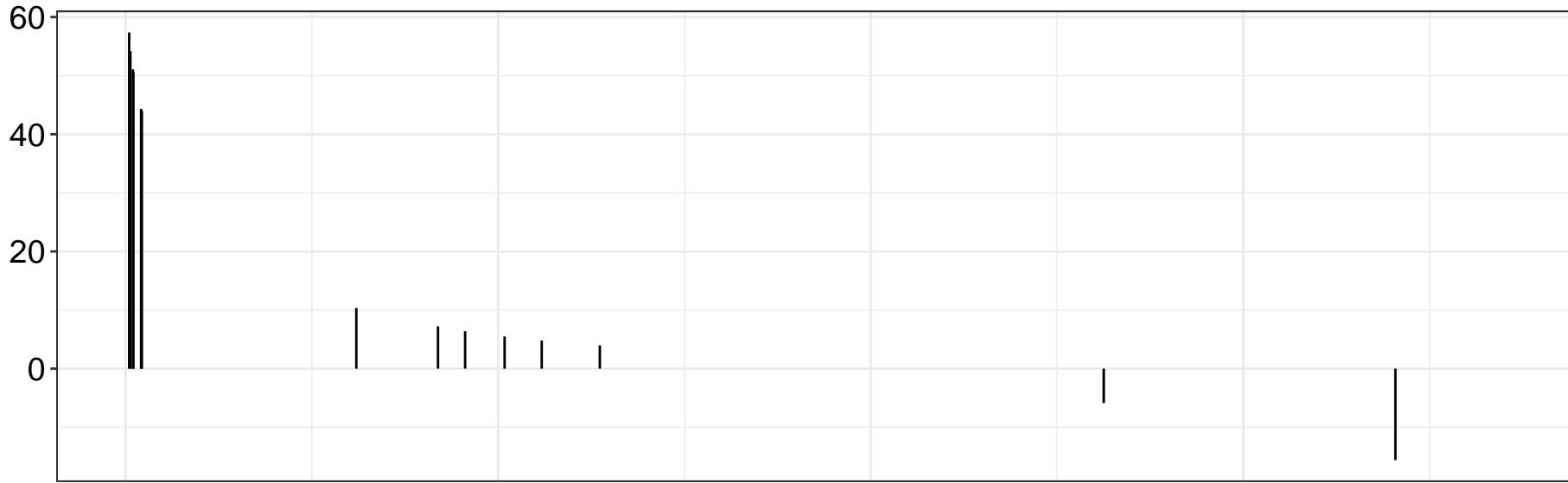


I-kappaB kinase/NF-kappaB signaling

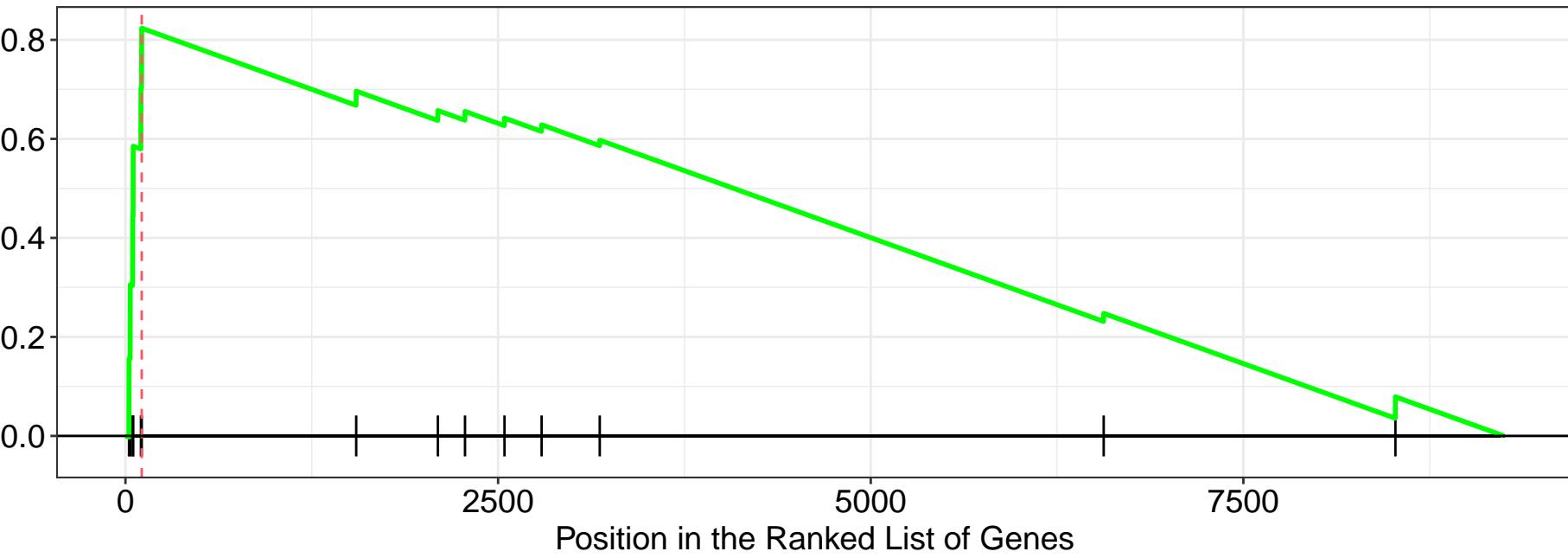


prostaglandin secretion

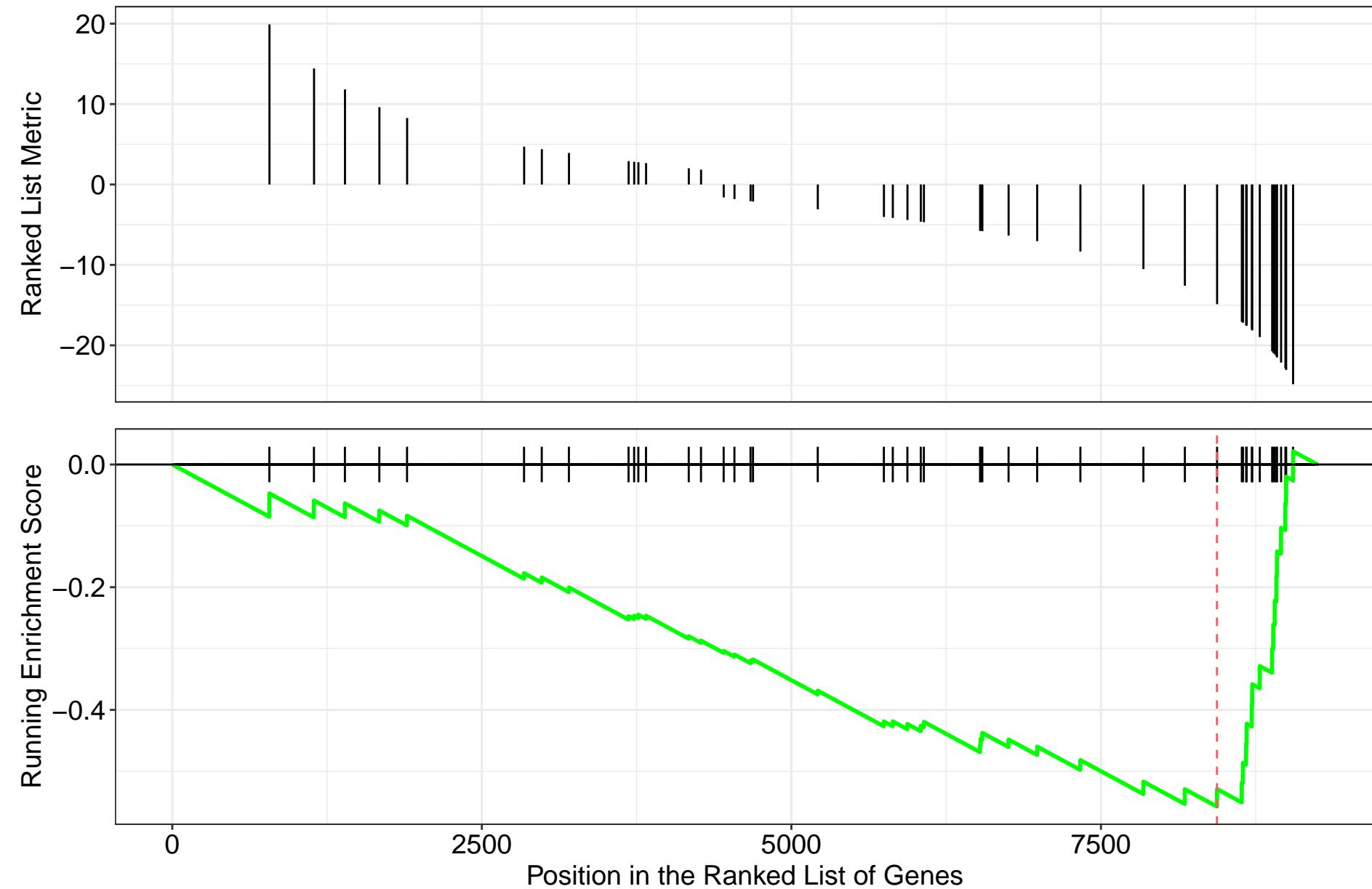
Ranked List Metric



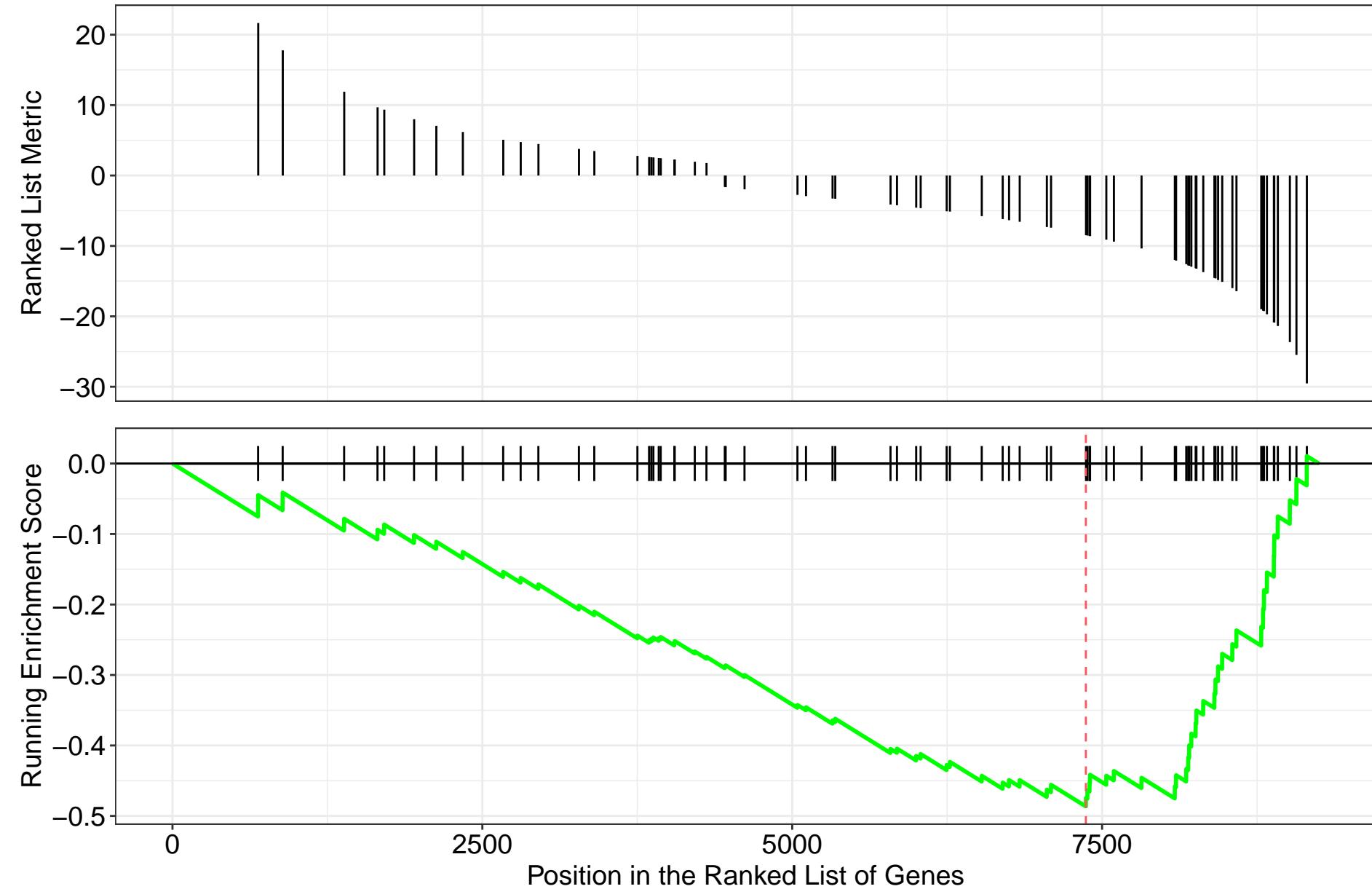
Running Enrichment Score



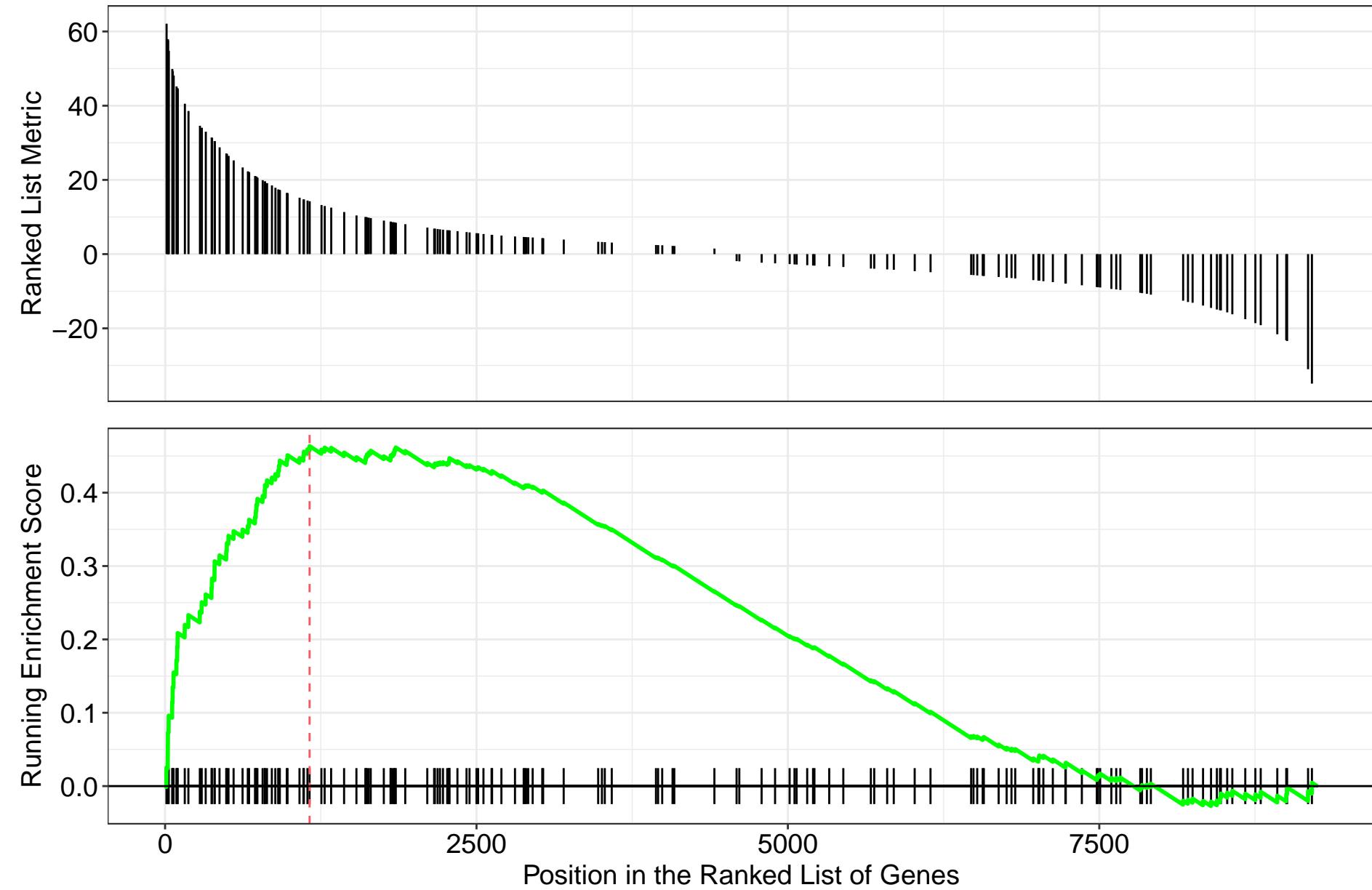
mitotic cytokinesis



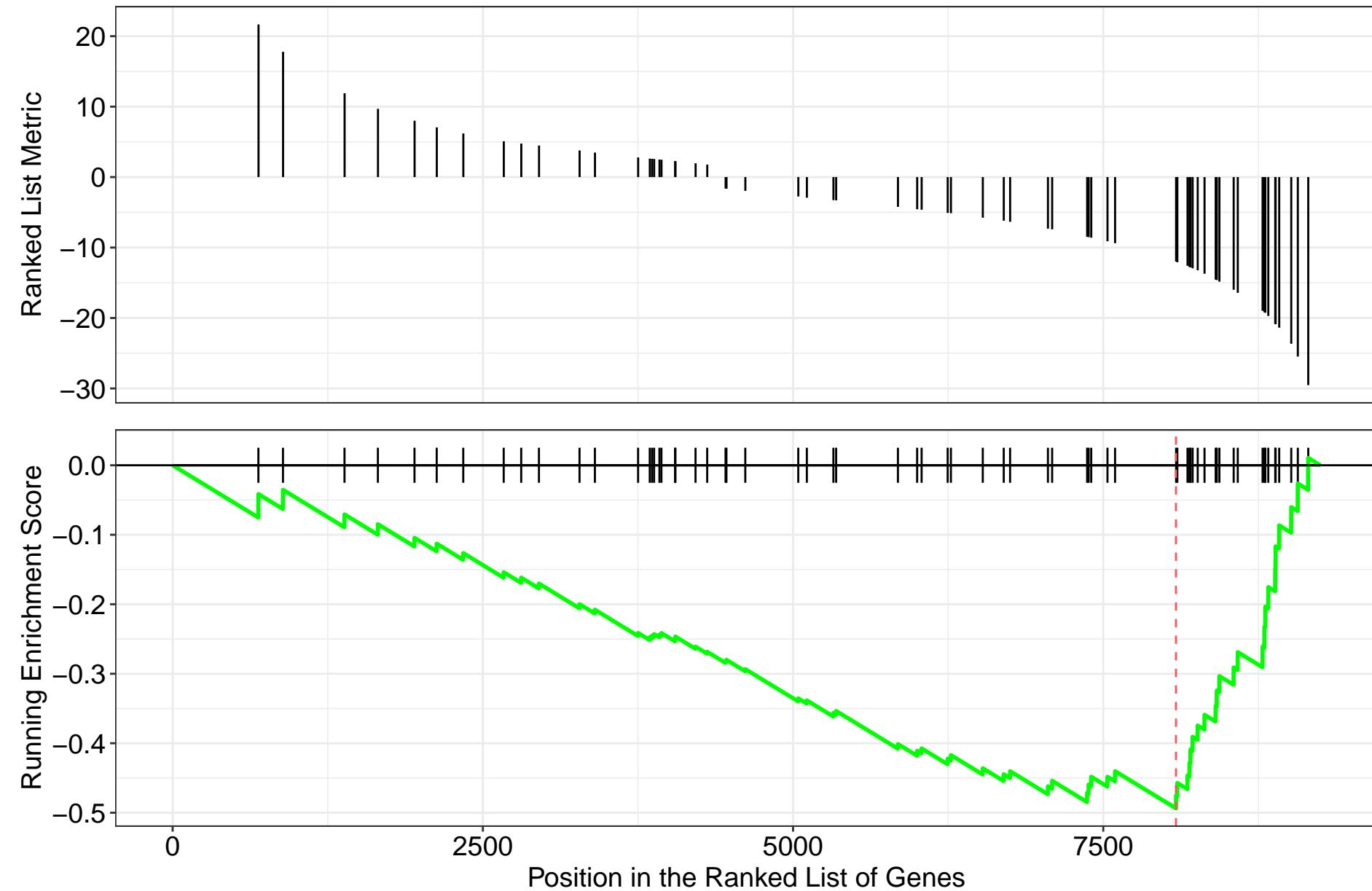
regulation of cell cycle G2/M phase transition



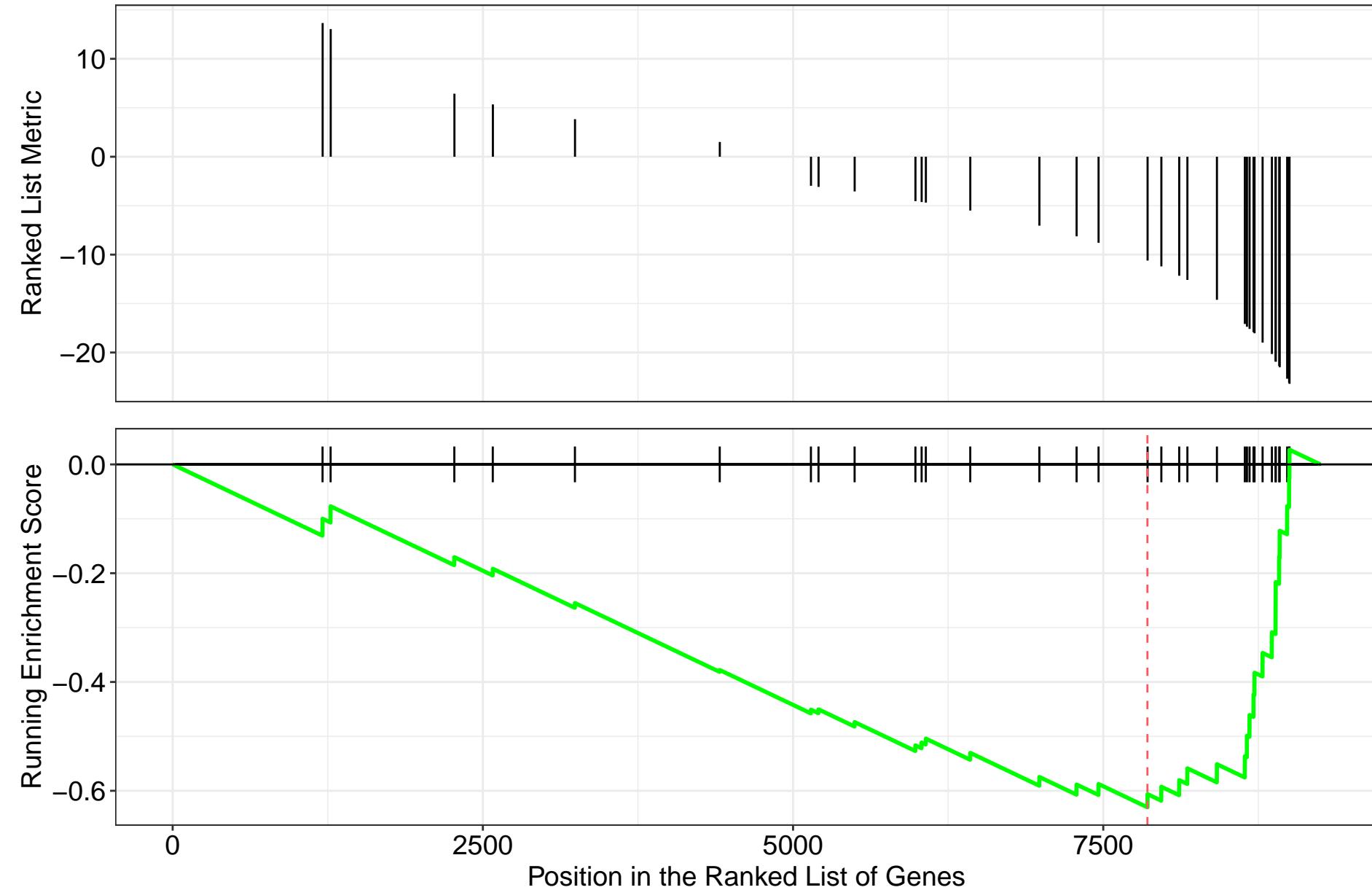
peptidyl–tyrosine phosphorylation



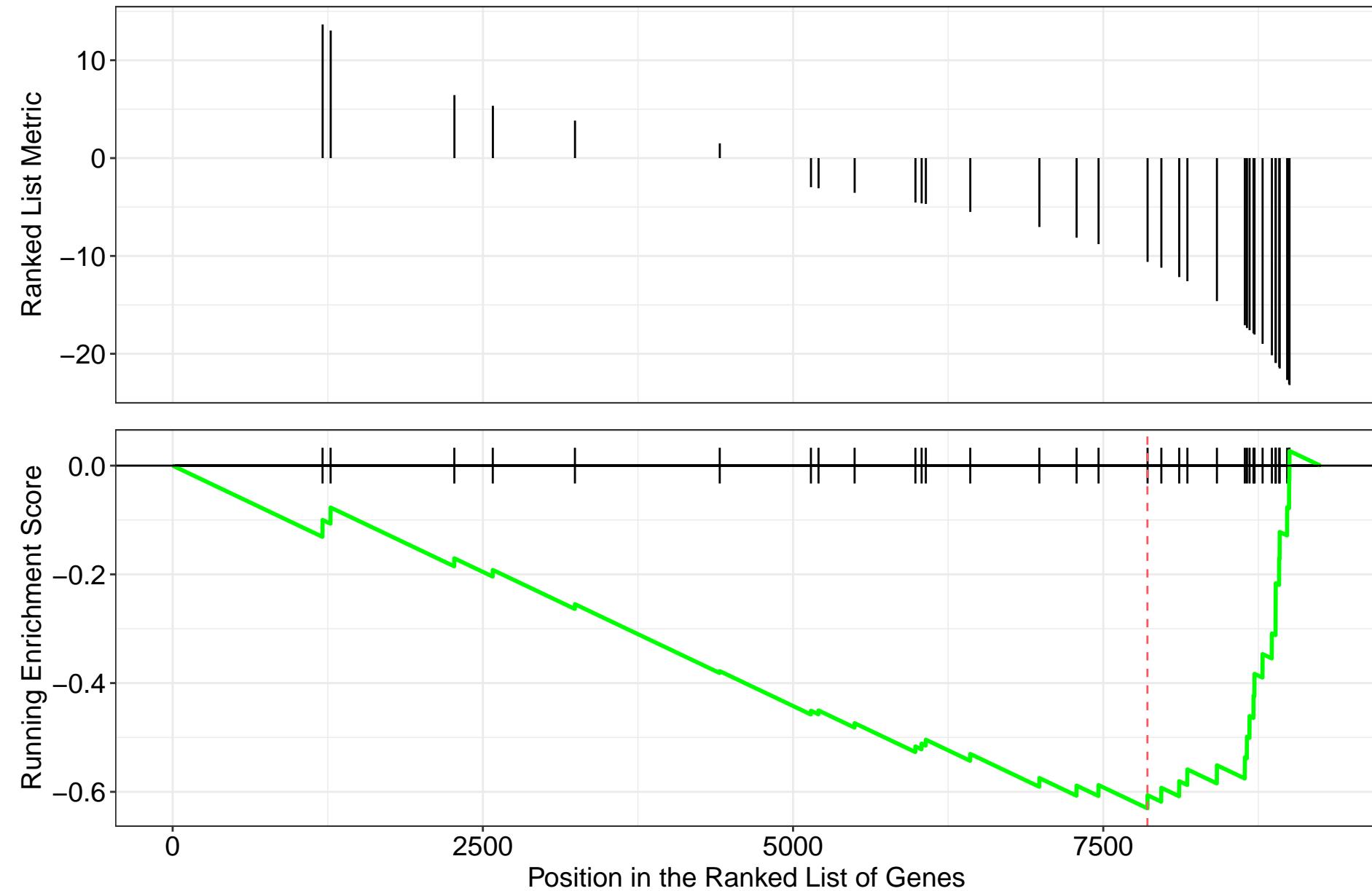
regulation of G2/M transition of mitotic cell cycle



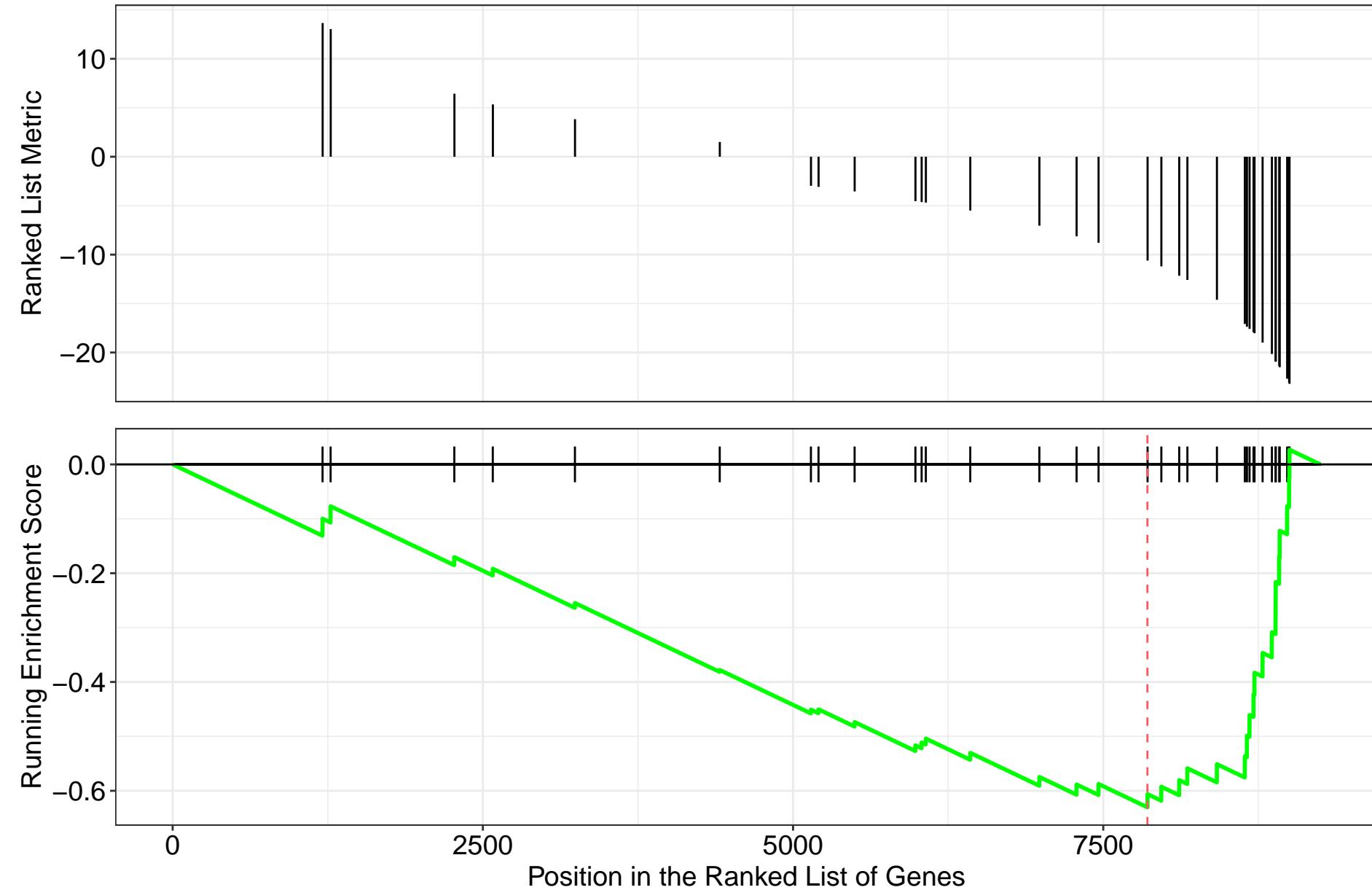
negative regulation of sister chromatid segregation



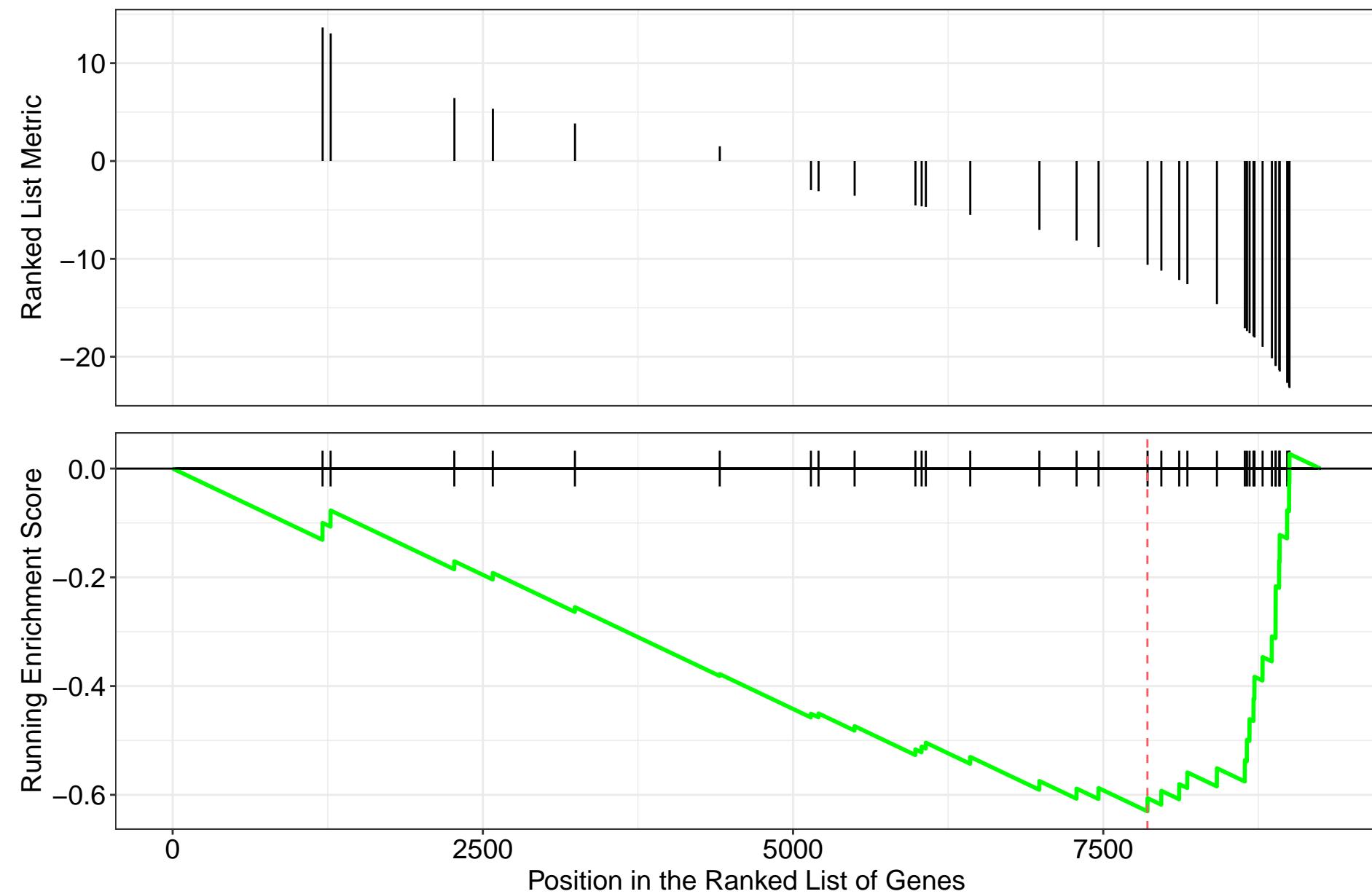
negative regulation of mitotic sister chromatid segregation



negative regulation of chromosome separation

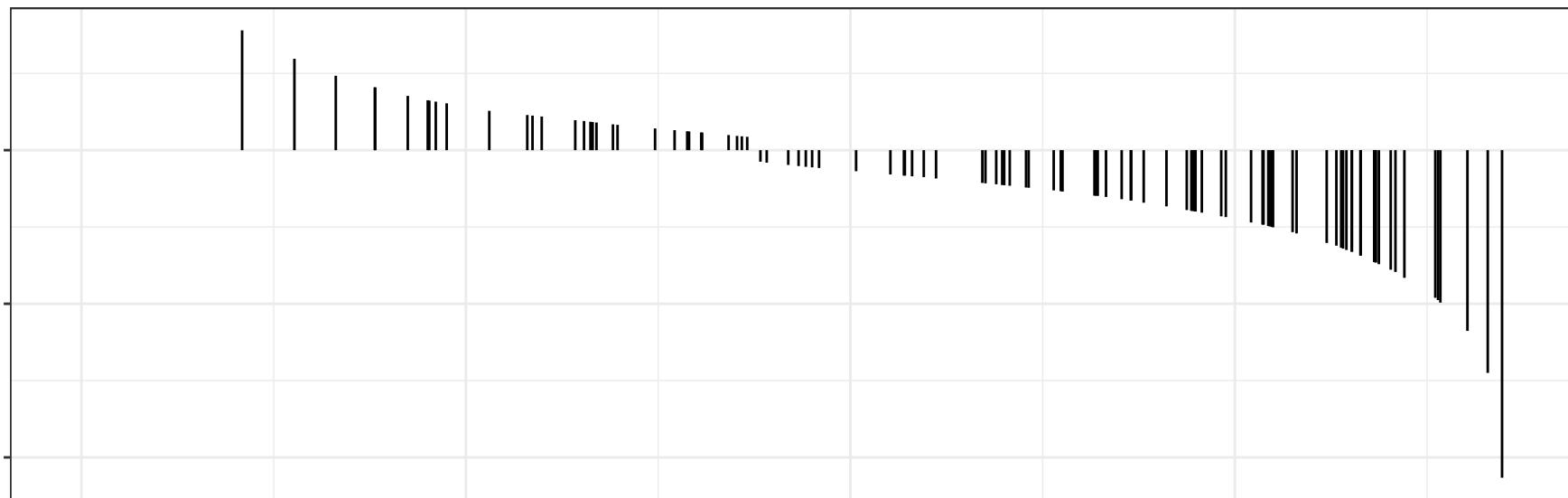


negative regulation of mitotic sister chromatid separation

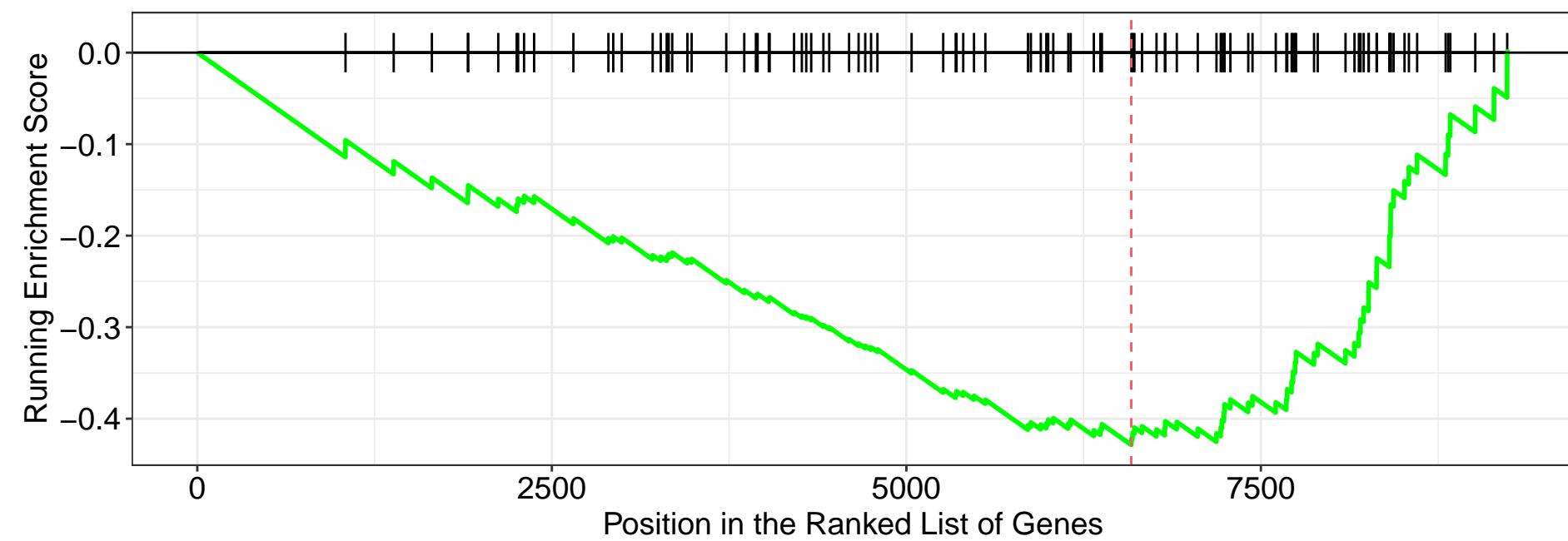


recombinational repair

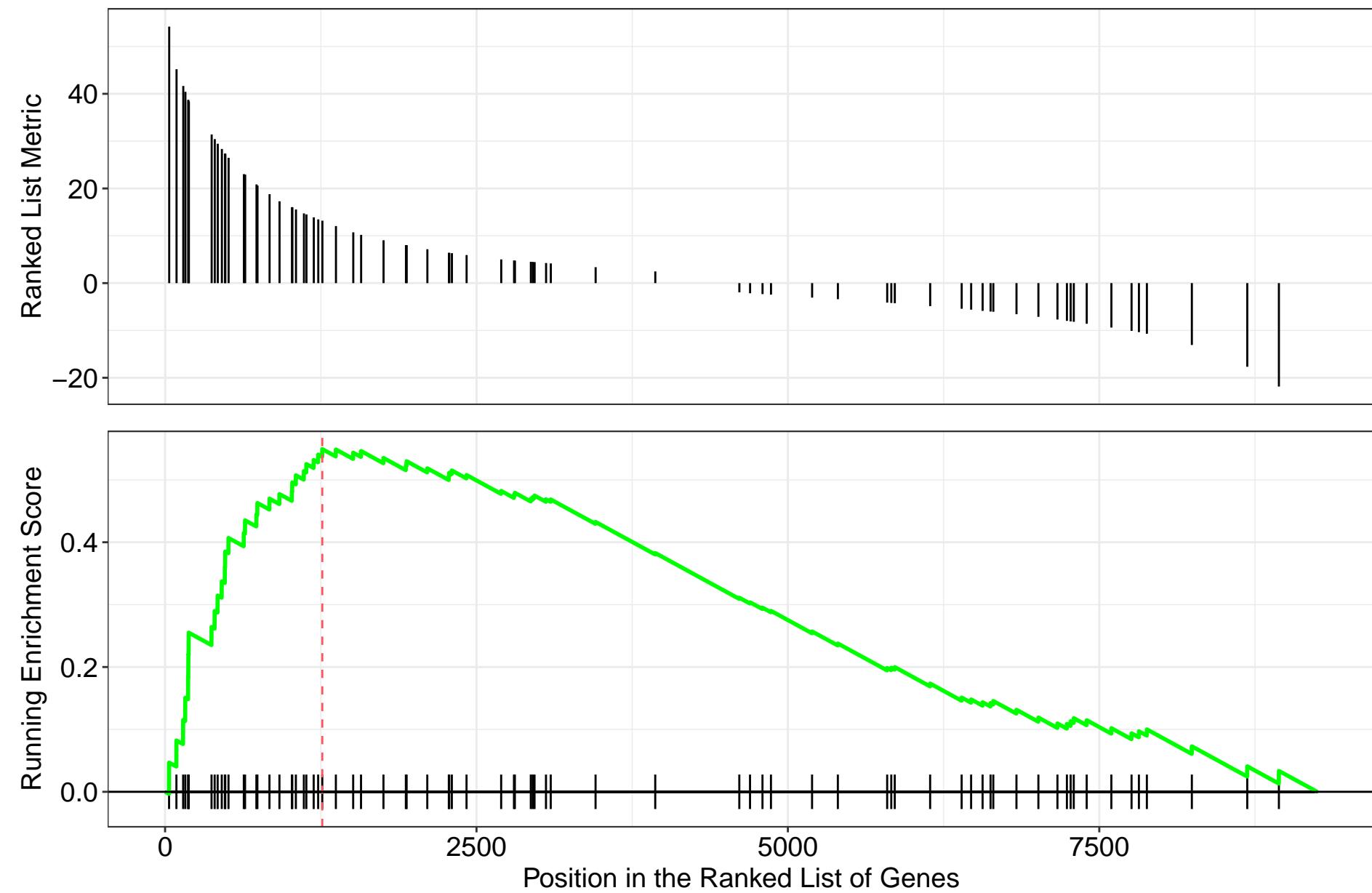
Ranked List Metric



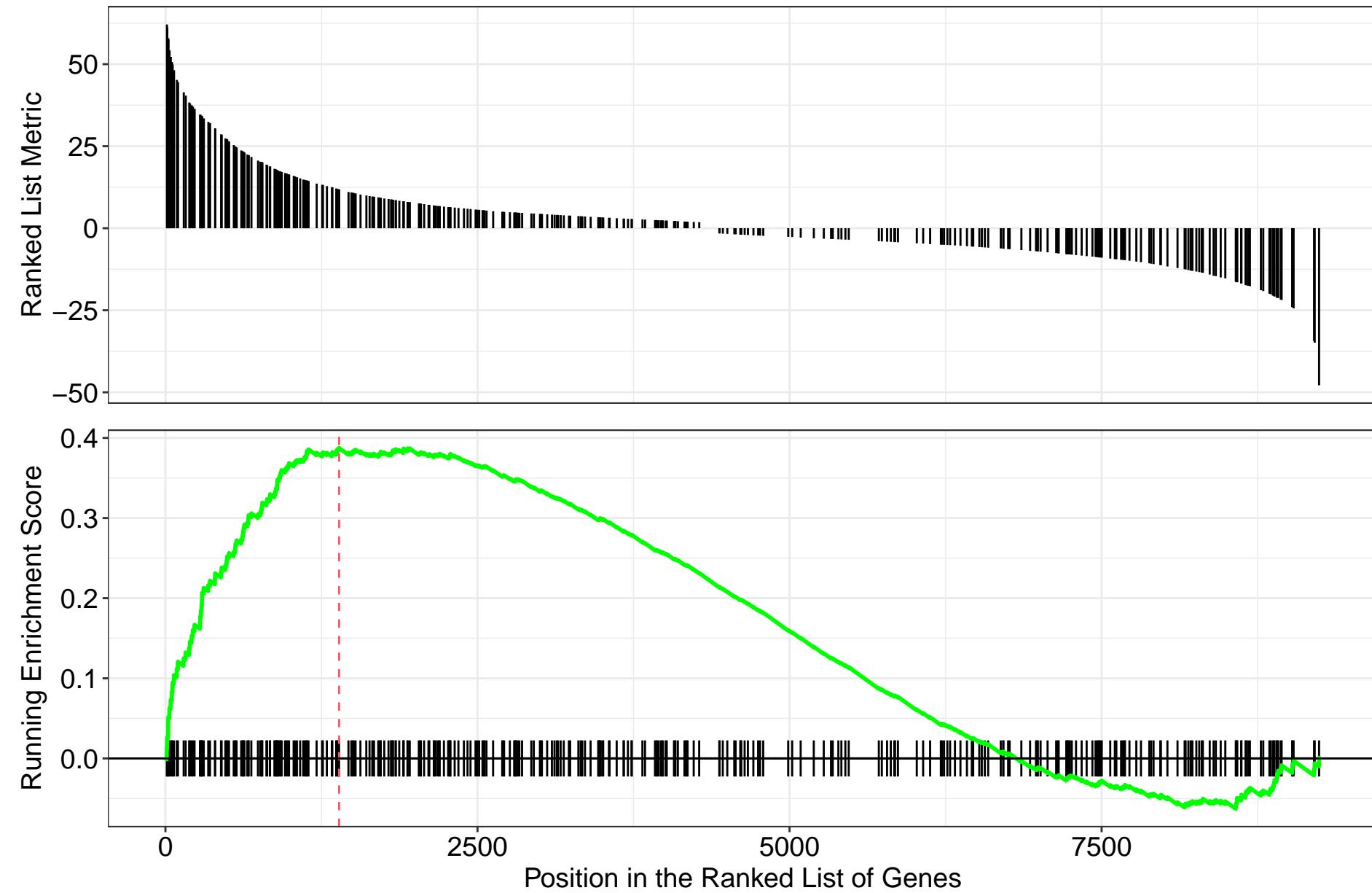
Running Enrichment Score



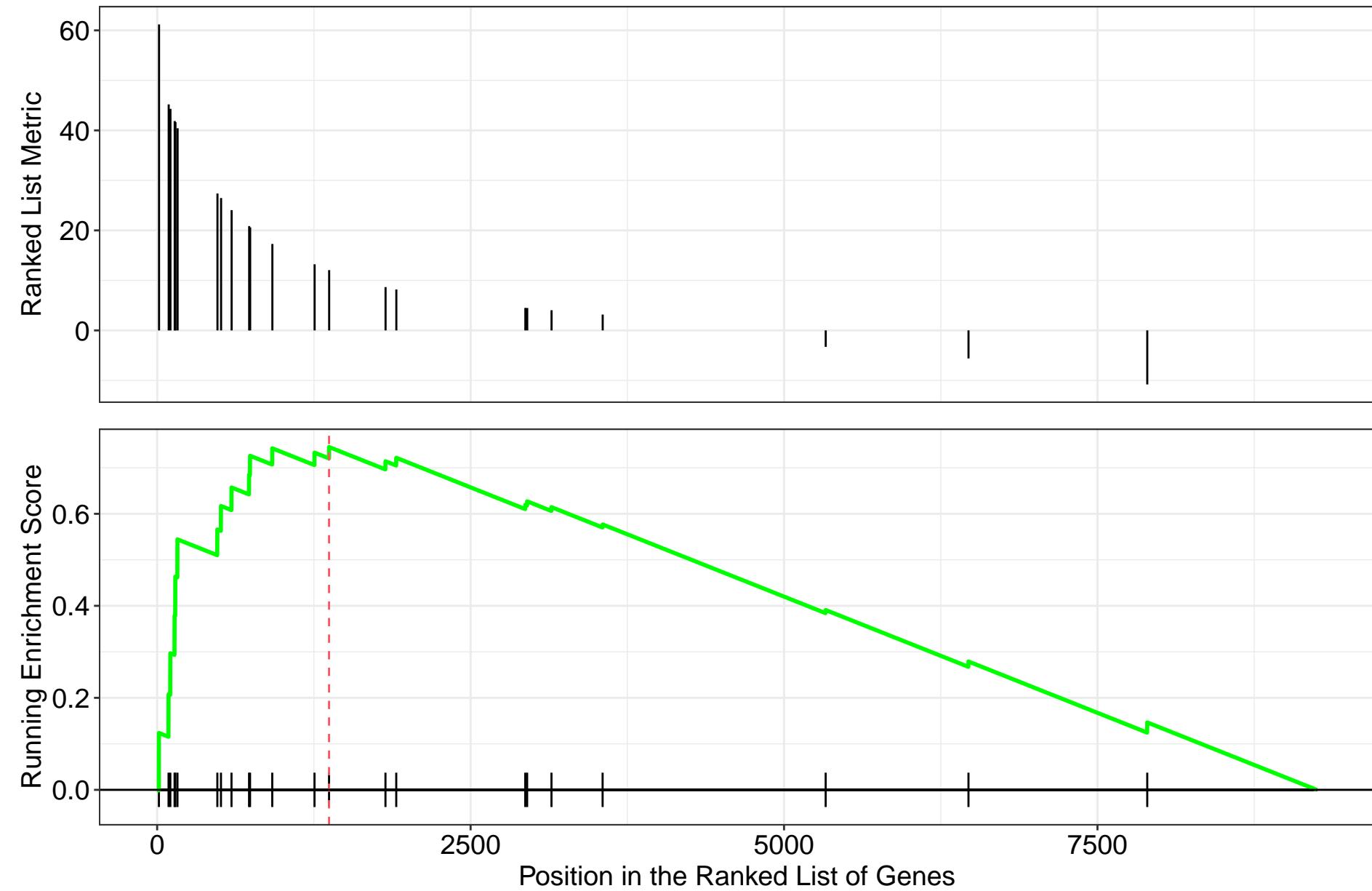
positive regulation of production of molecular mediator of immune response



leukocyte differentiation



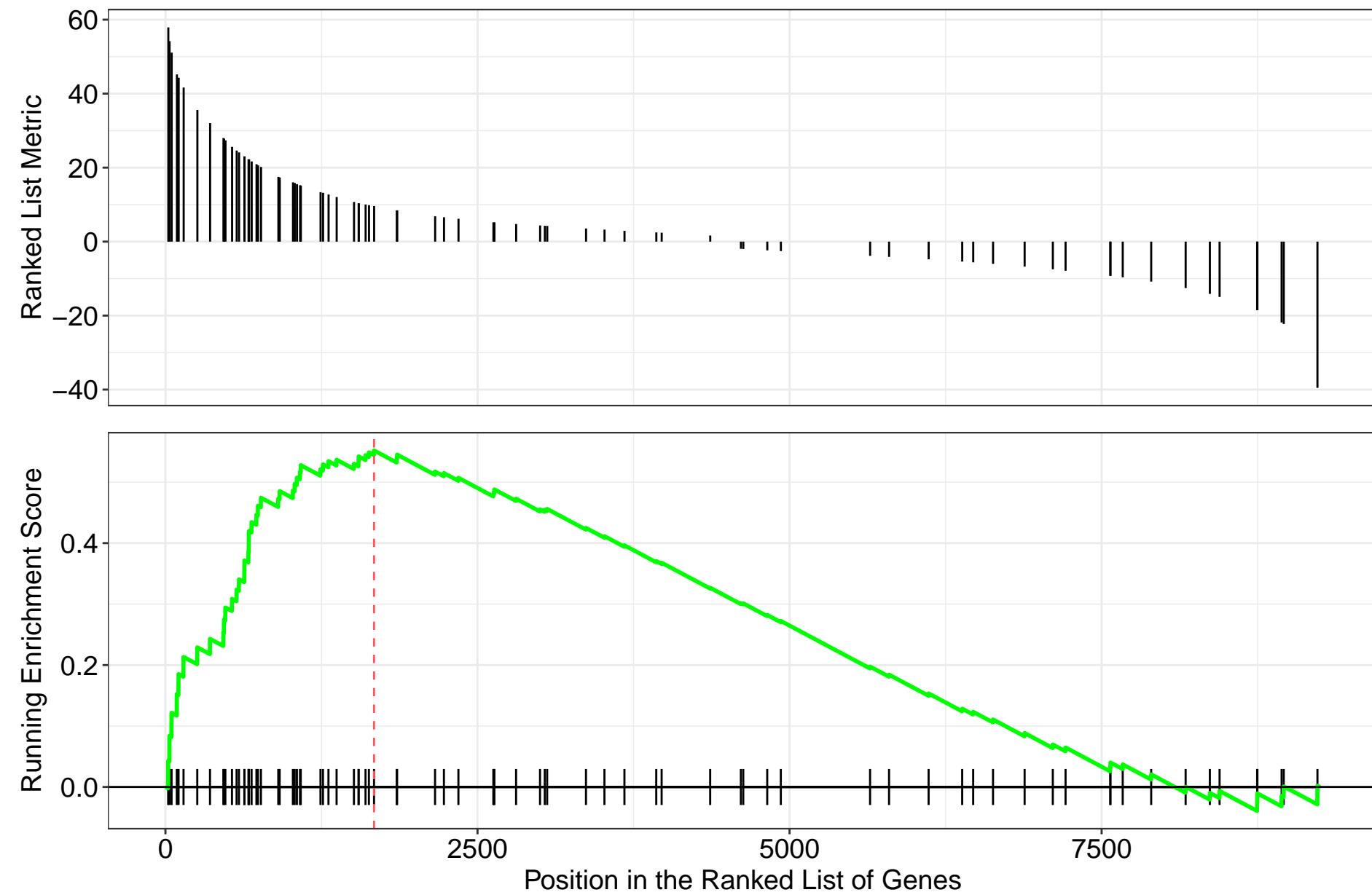
regulation of type 2 immune response



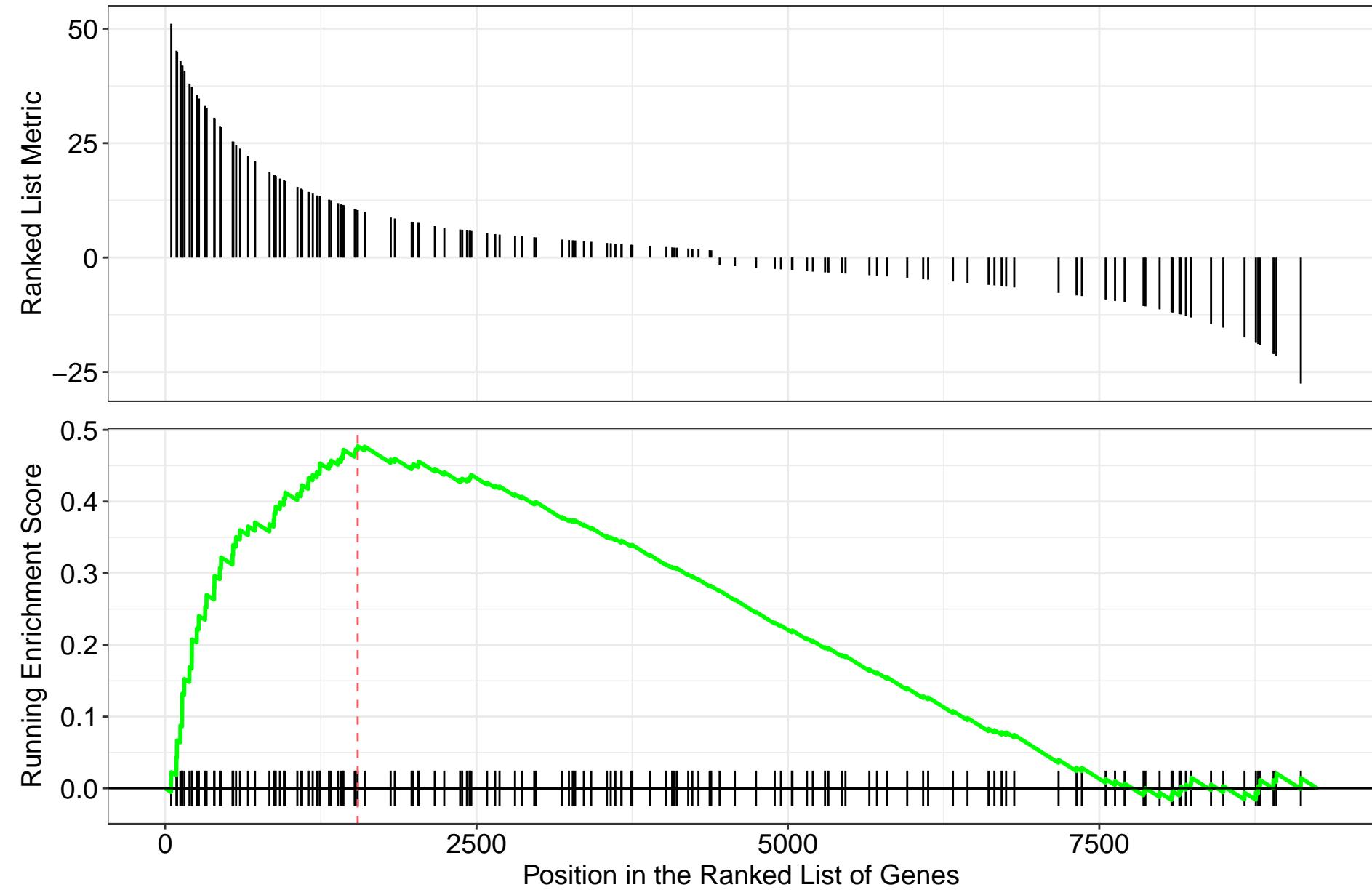
type 2 immune response



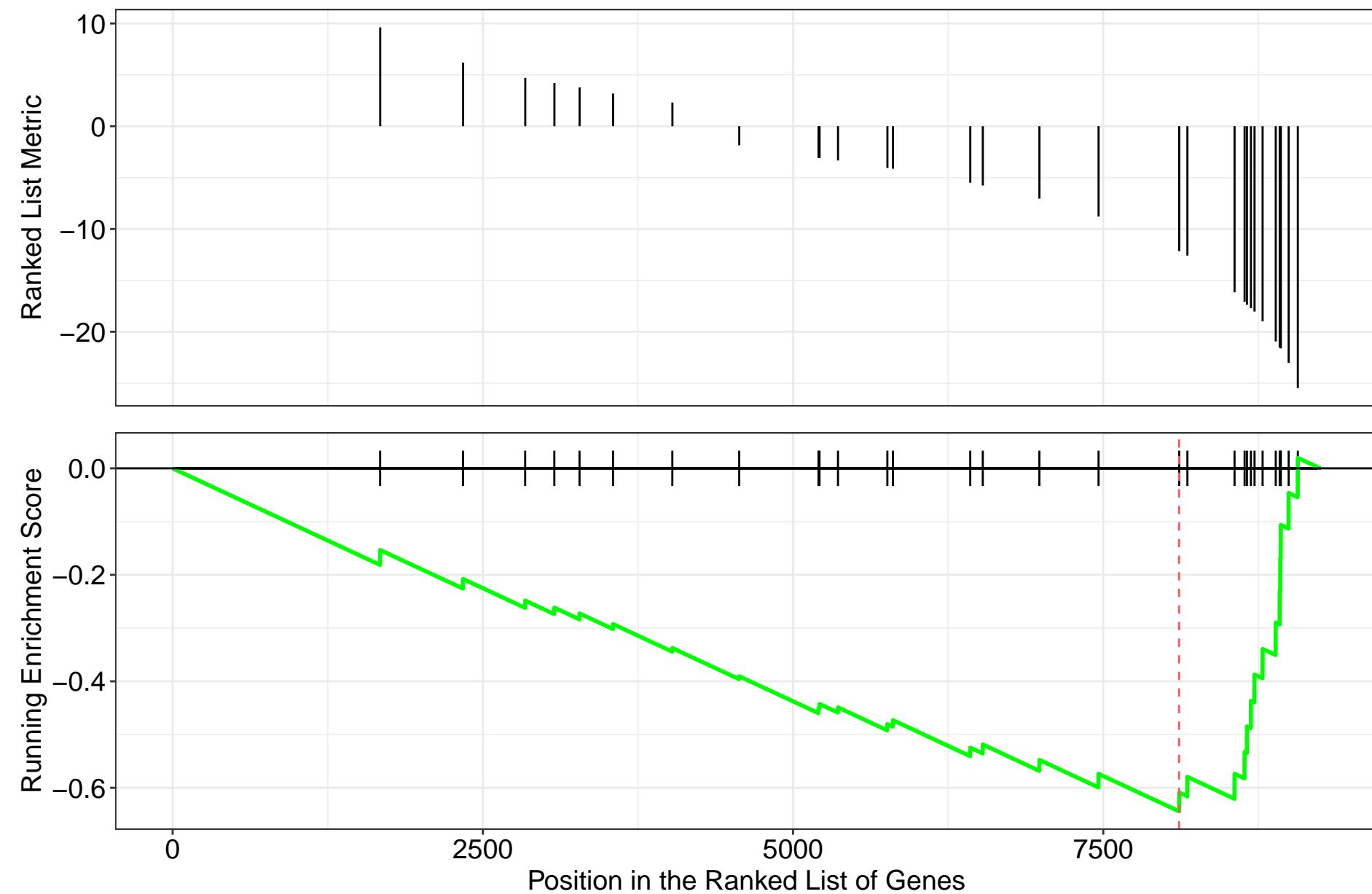
positive regulation of inflammatory response



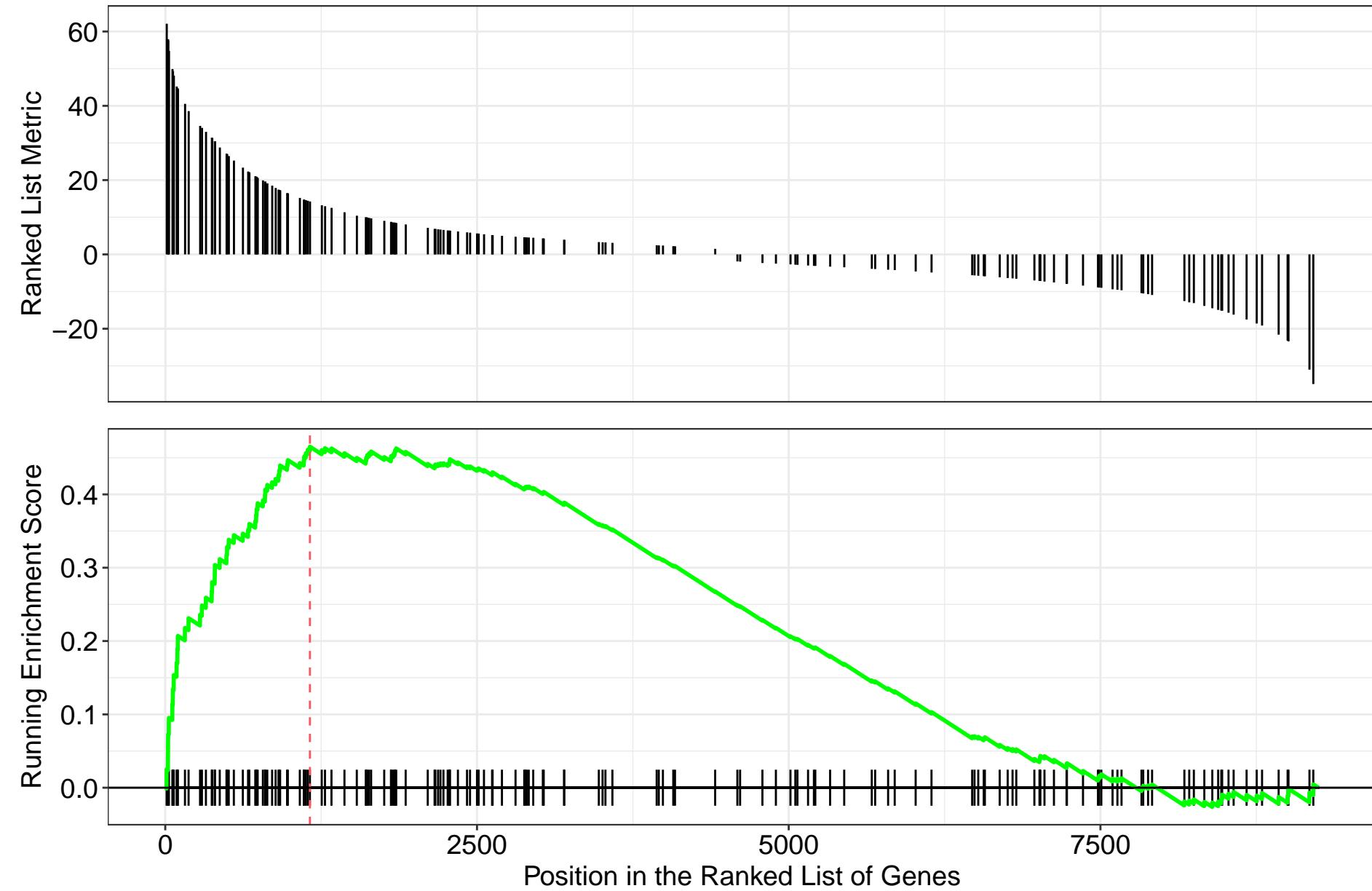
negative regulation of proteolysis



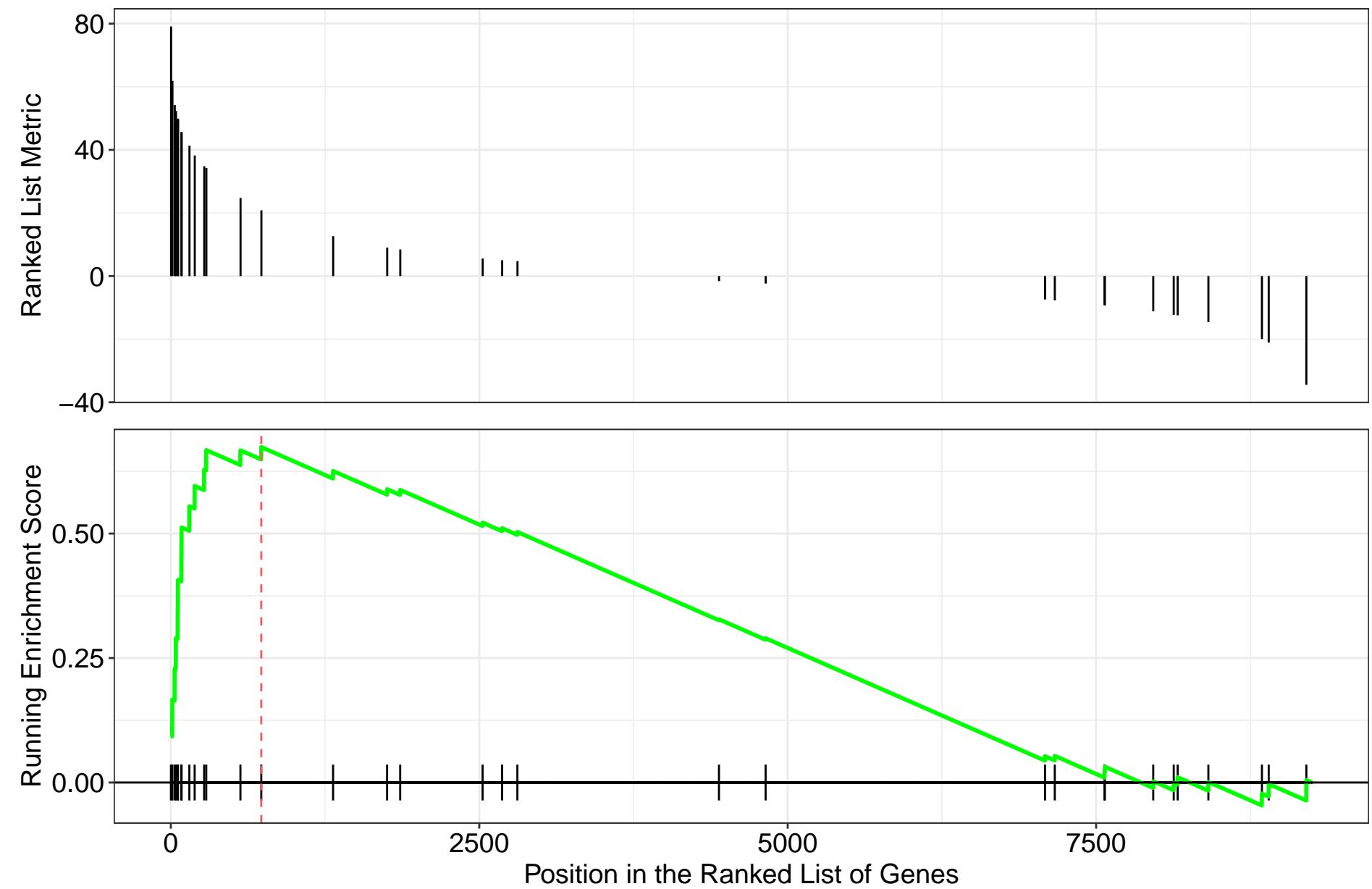
mitotic metaphase plate congression



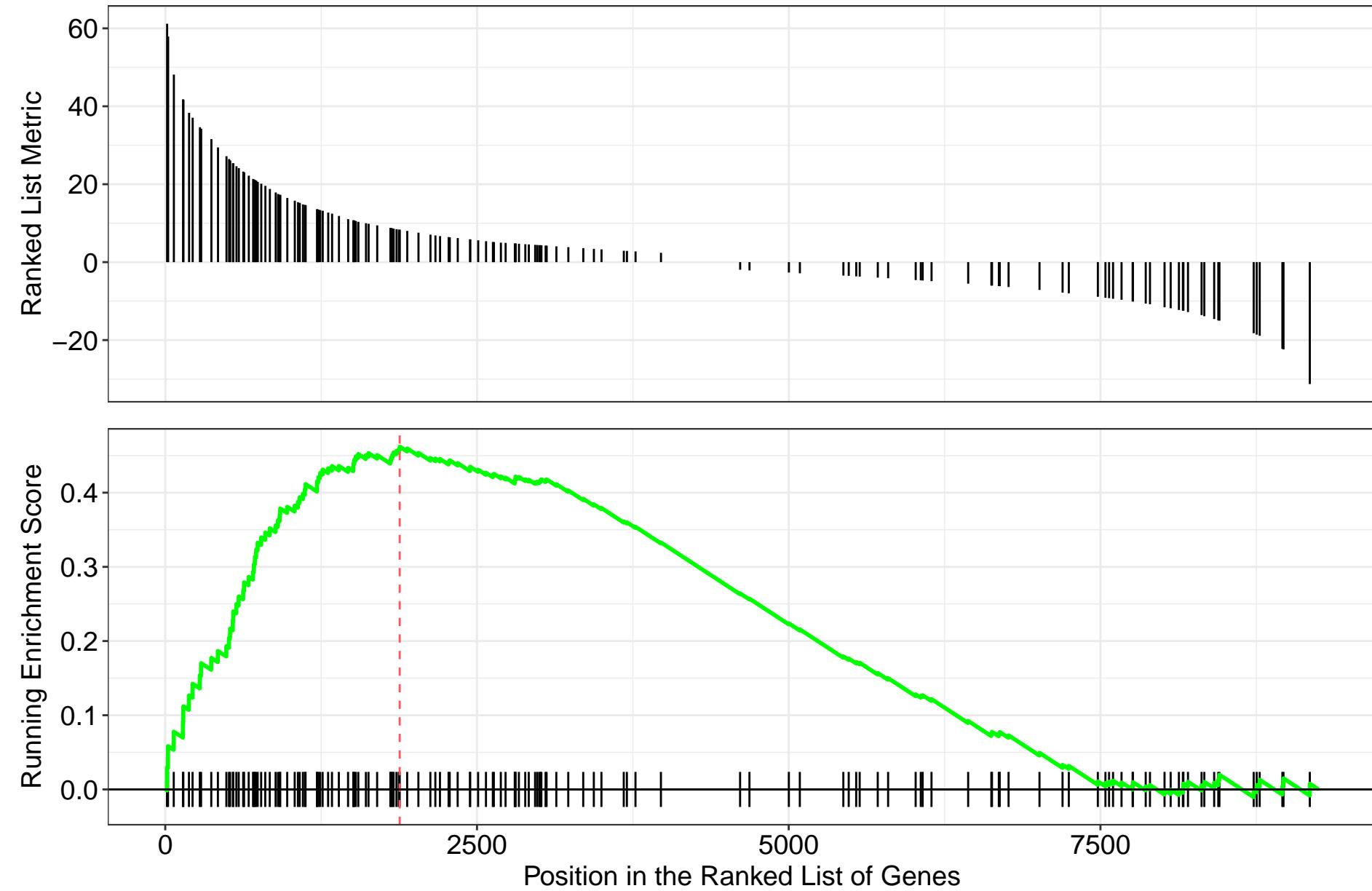
peptidyl–tyrosine modification



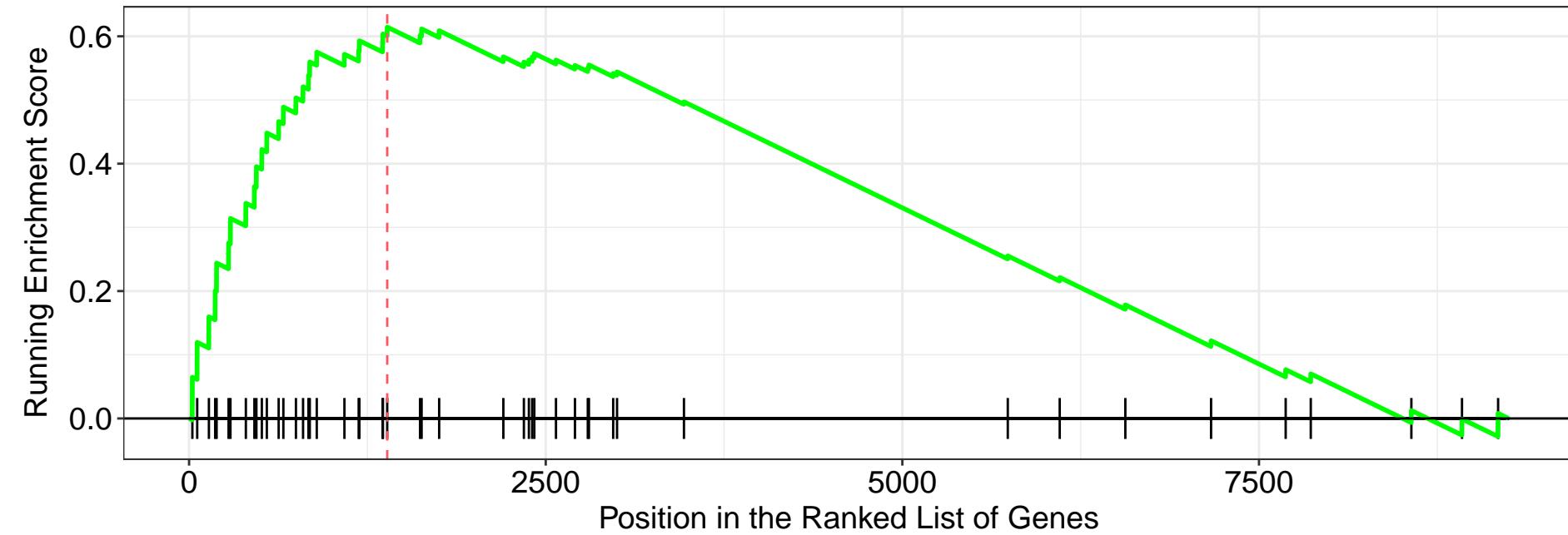
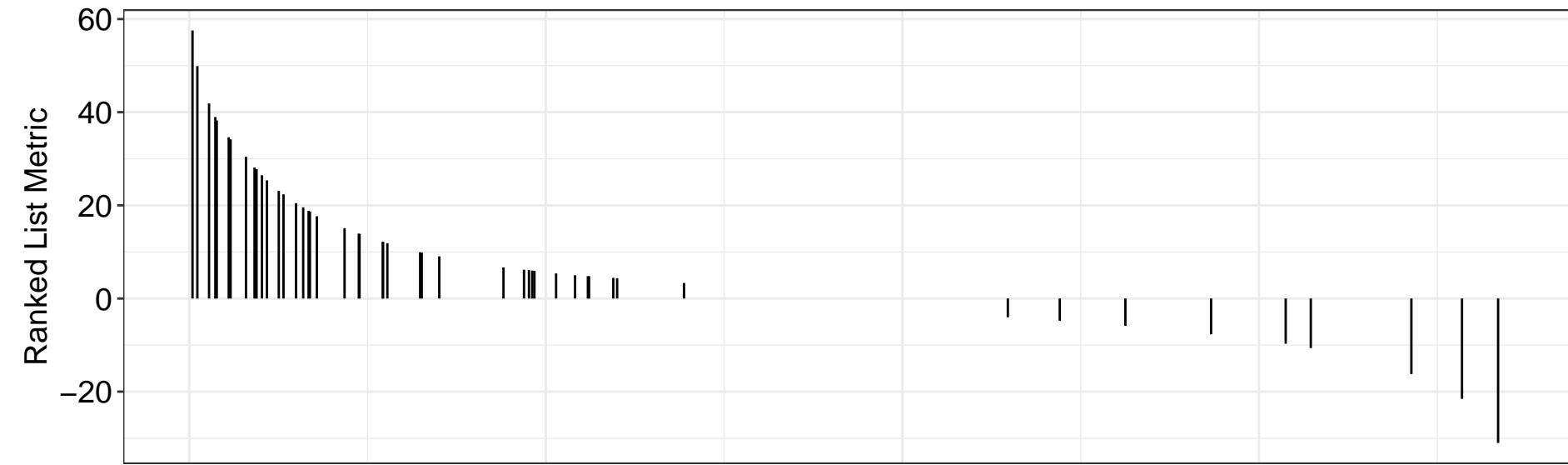
antimicrobial humoral immune response mediated by antimicrobial peptide



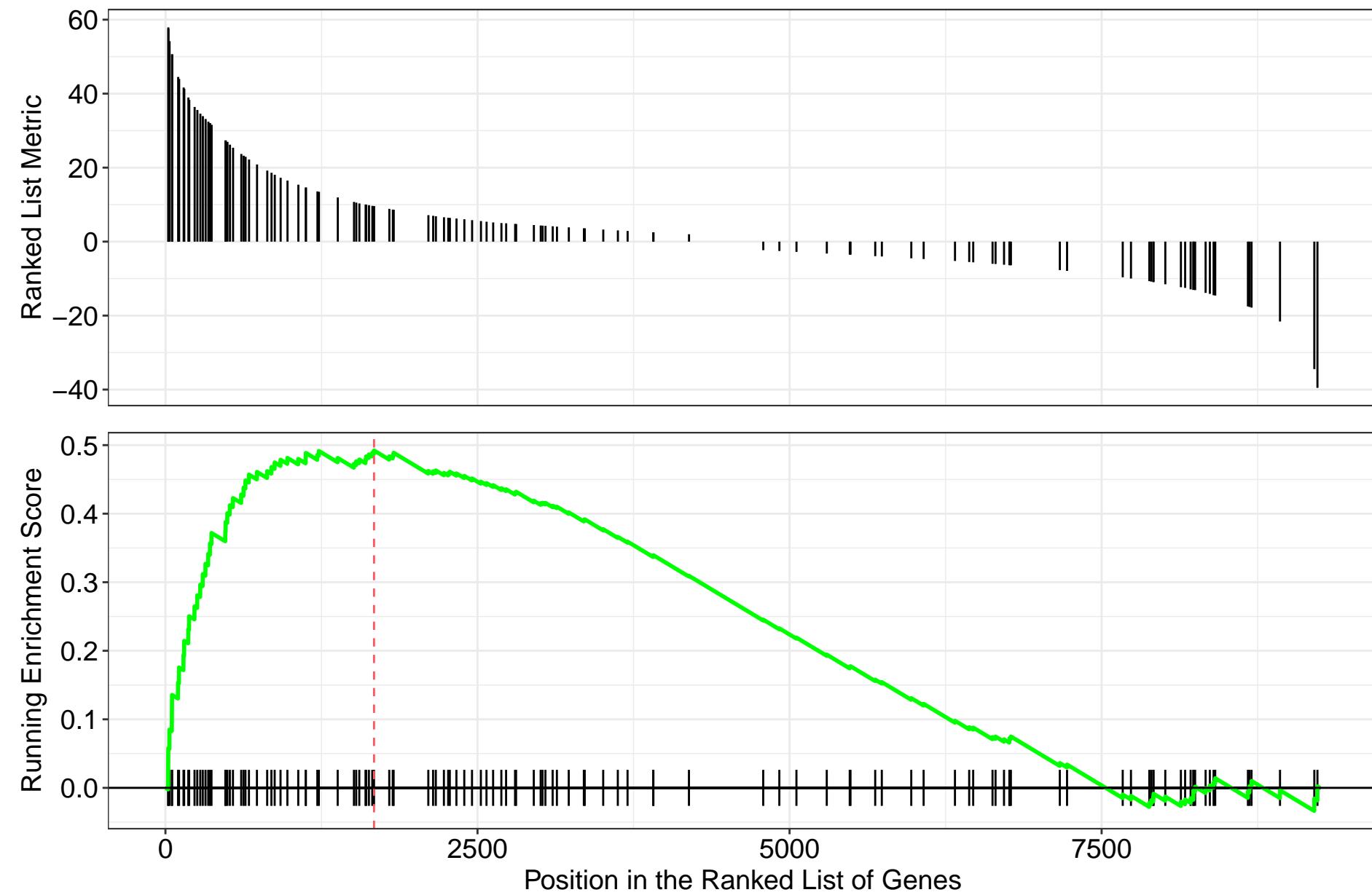
myeloid leukocyte activation



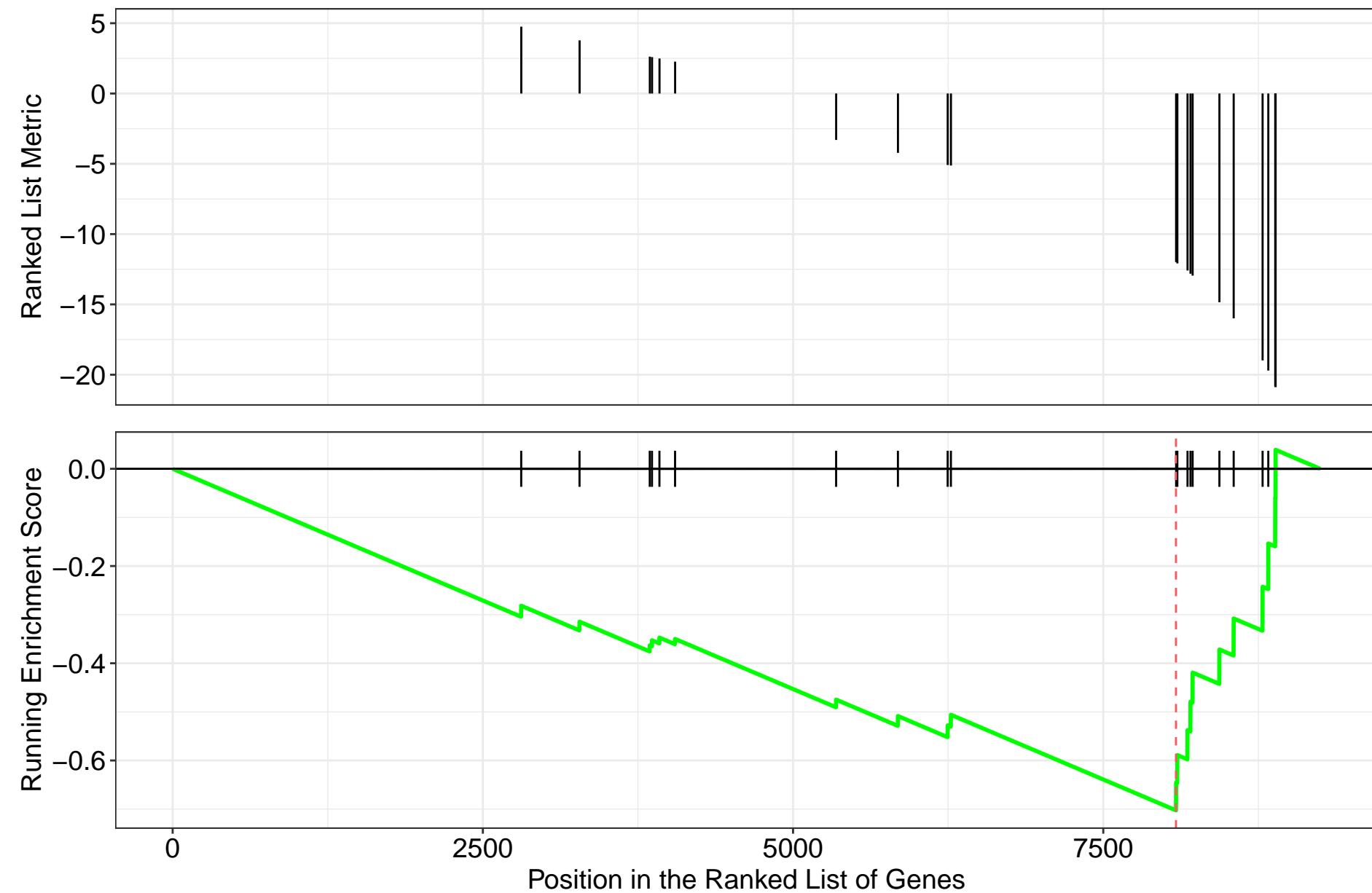
positive regulation of leukocyte mediated cytotoxicity



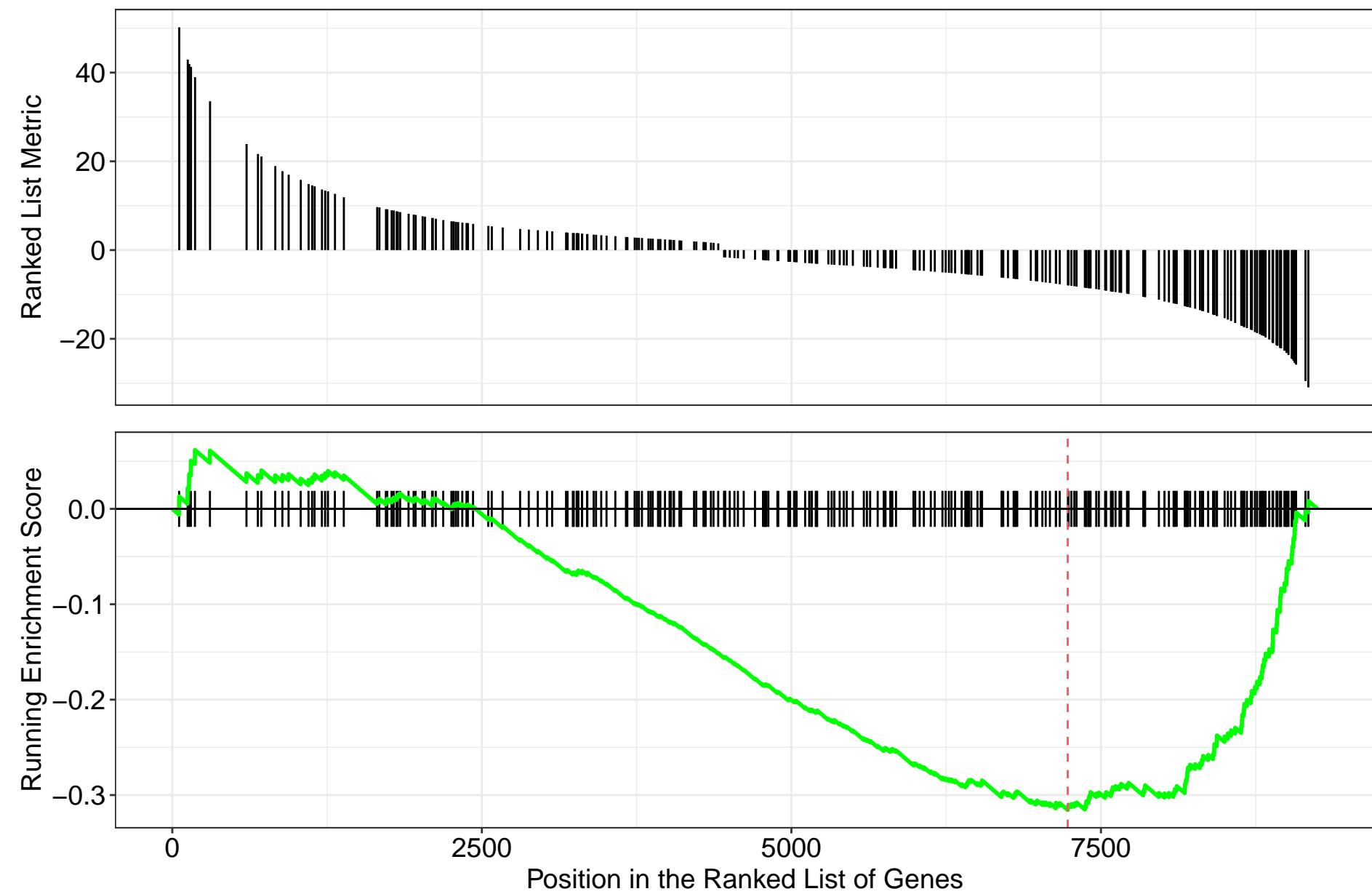
regulation of leukocyte migration



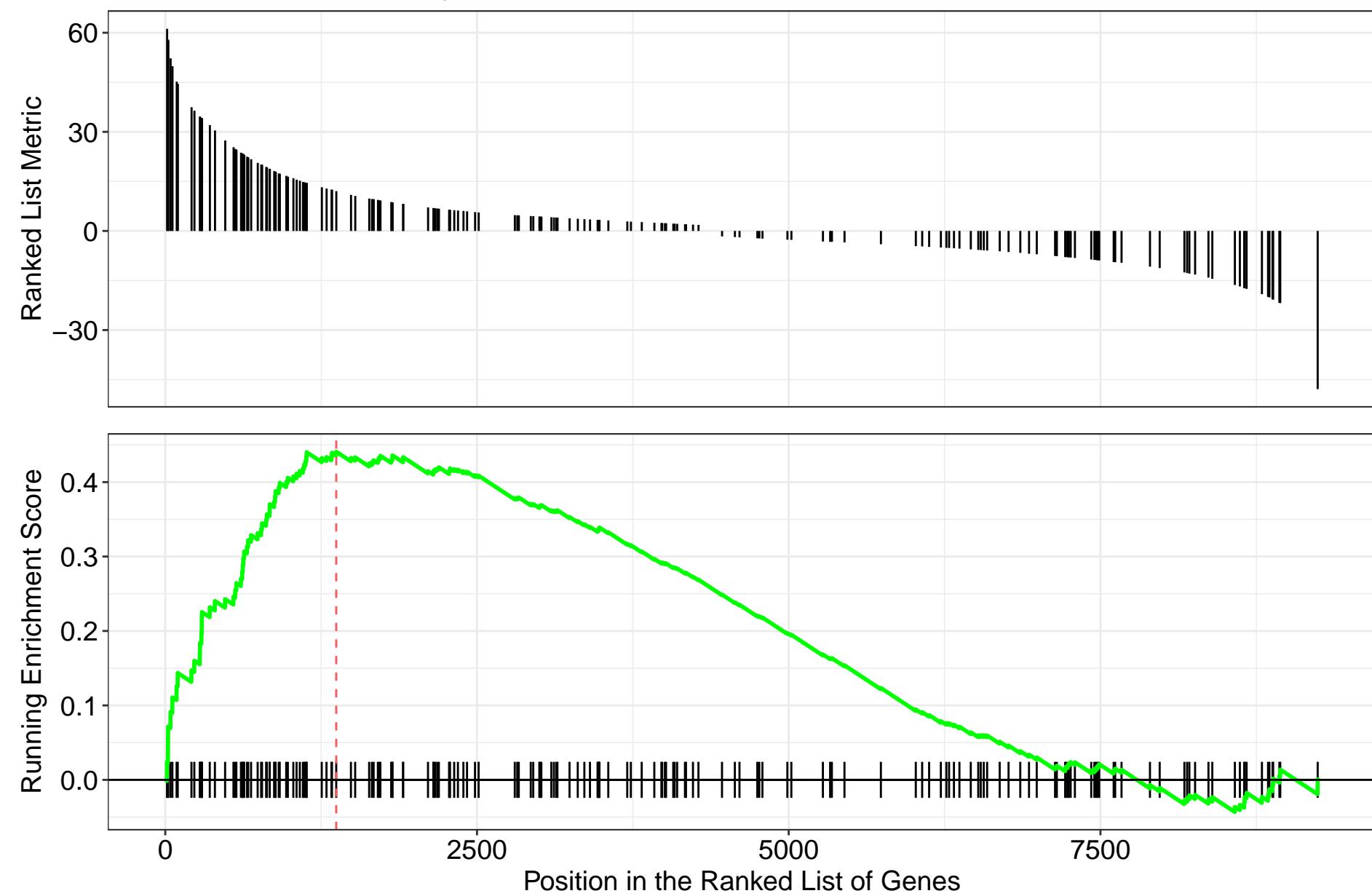
positive regulation of G2/M transition of mitotic cell cycle



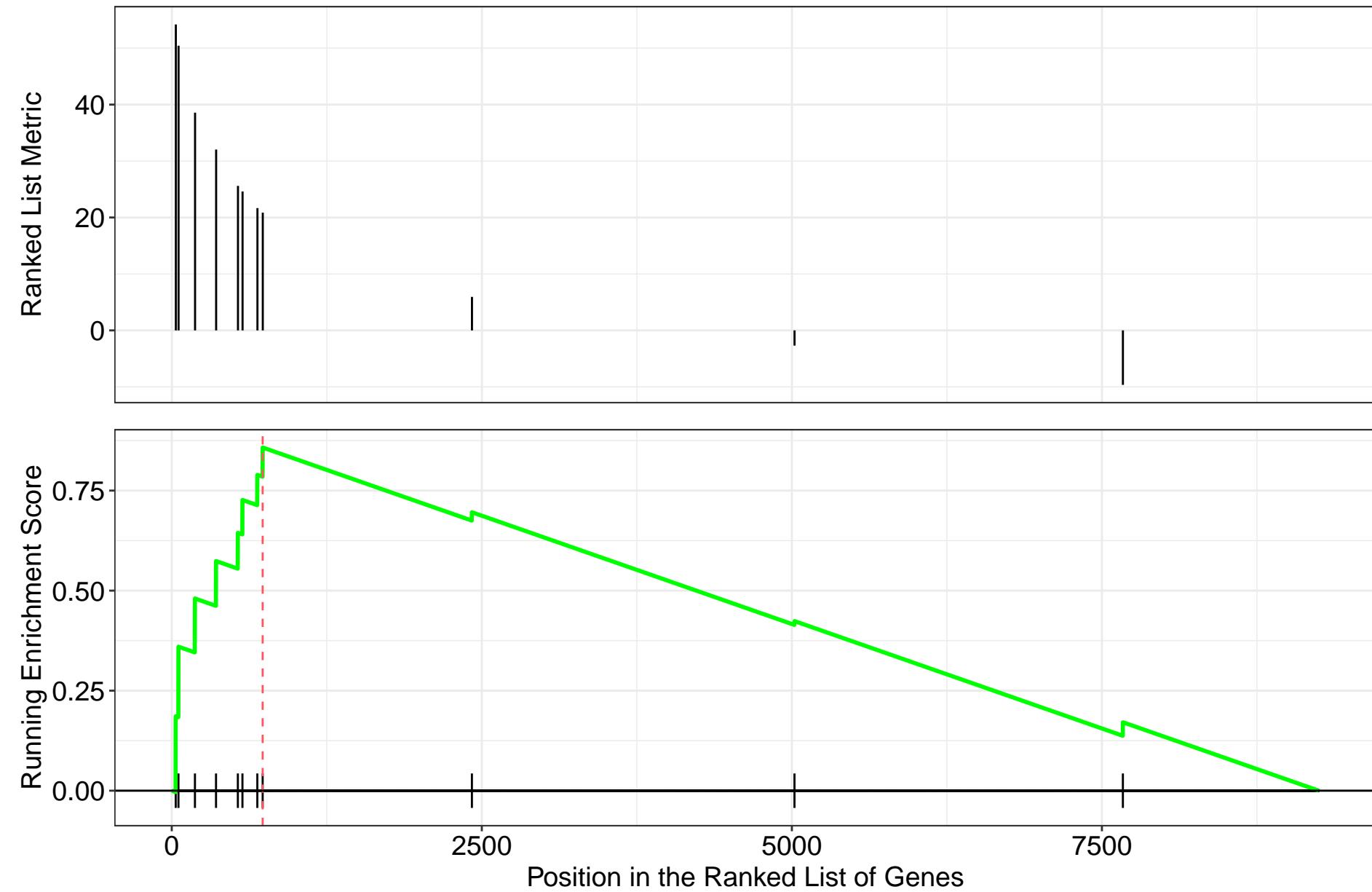
mitotic cell cycle phase transition



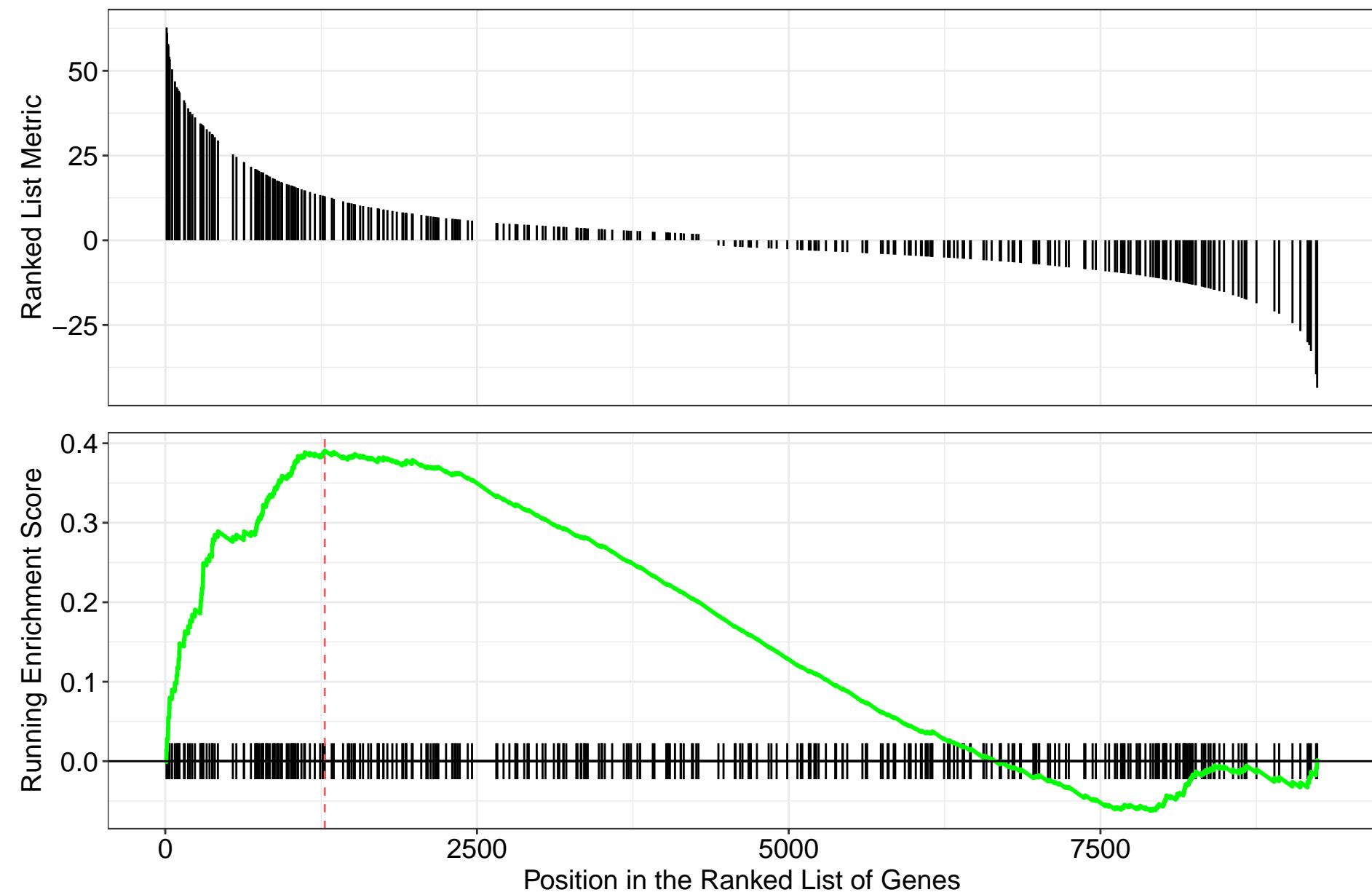
regulation of leukocyte differentiation



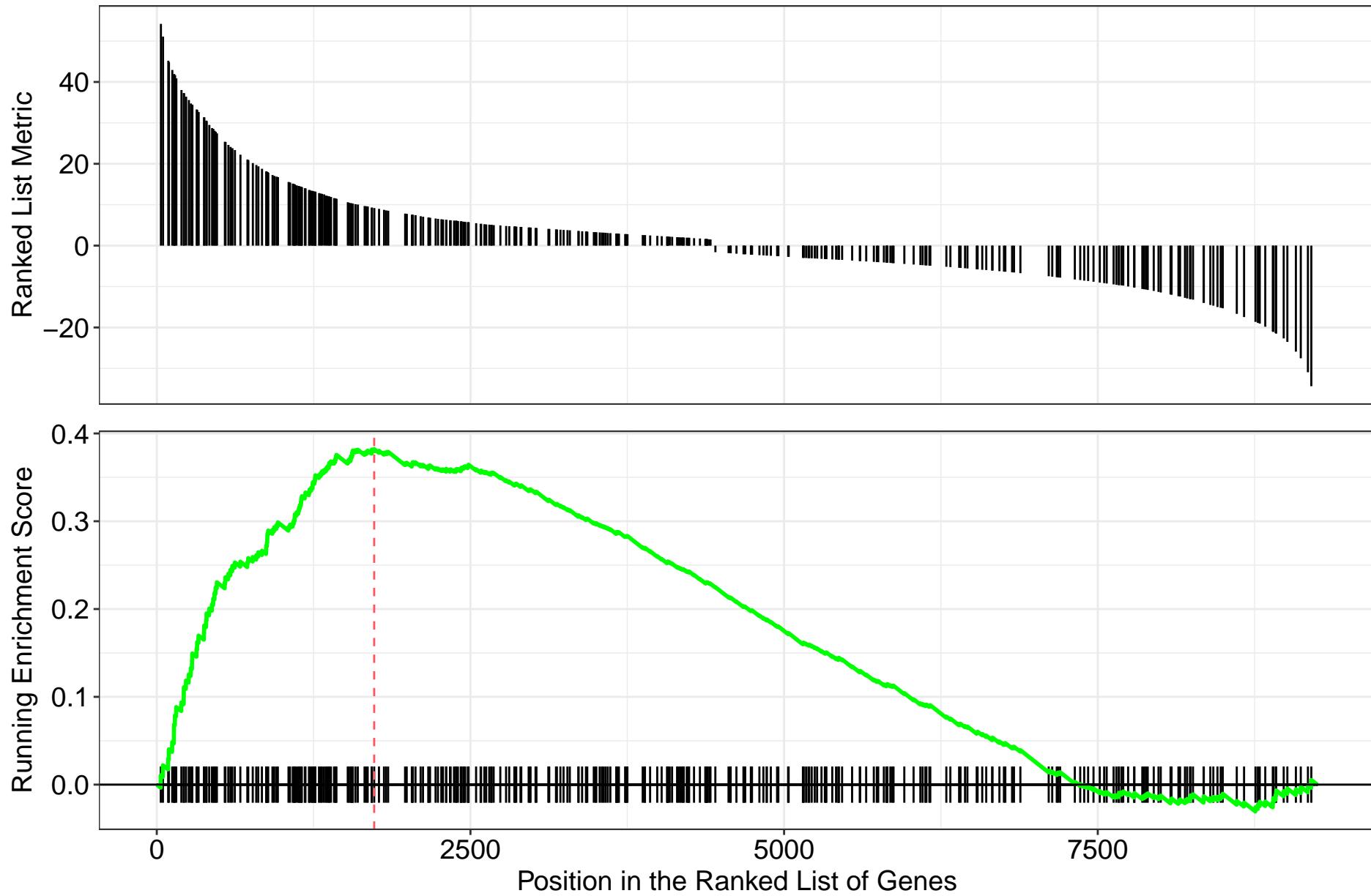
positive regulation of humoral immune response



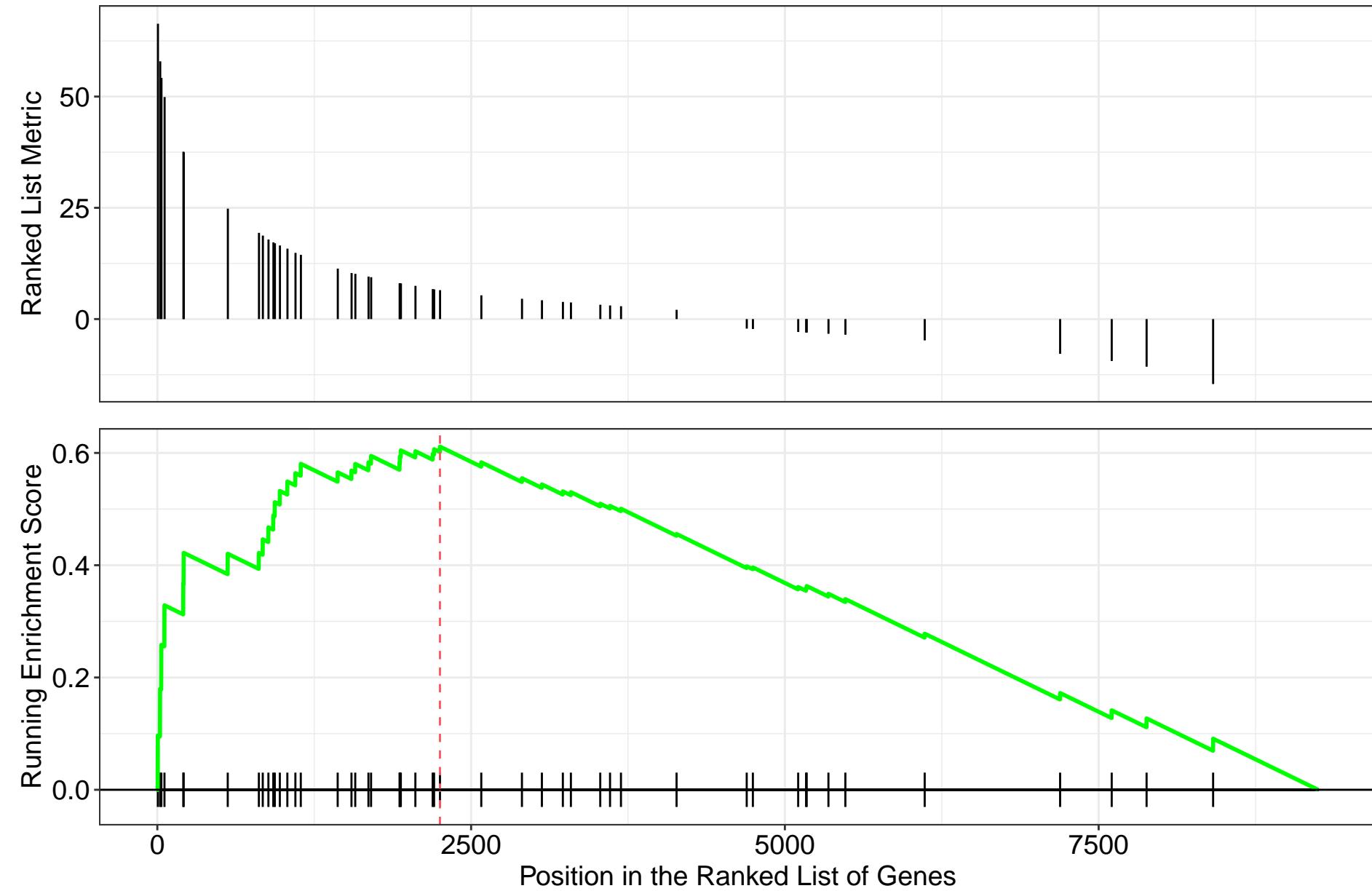
response to organic cyclic compound



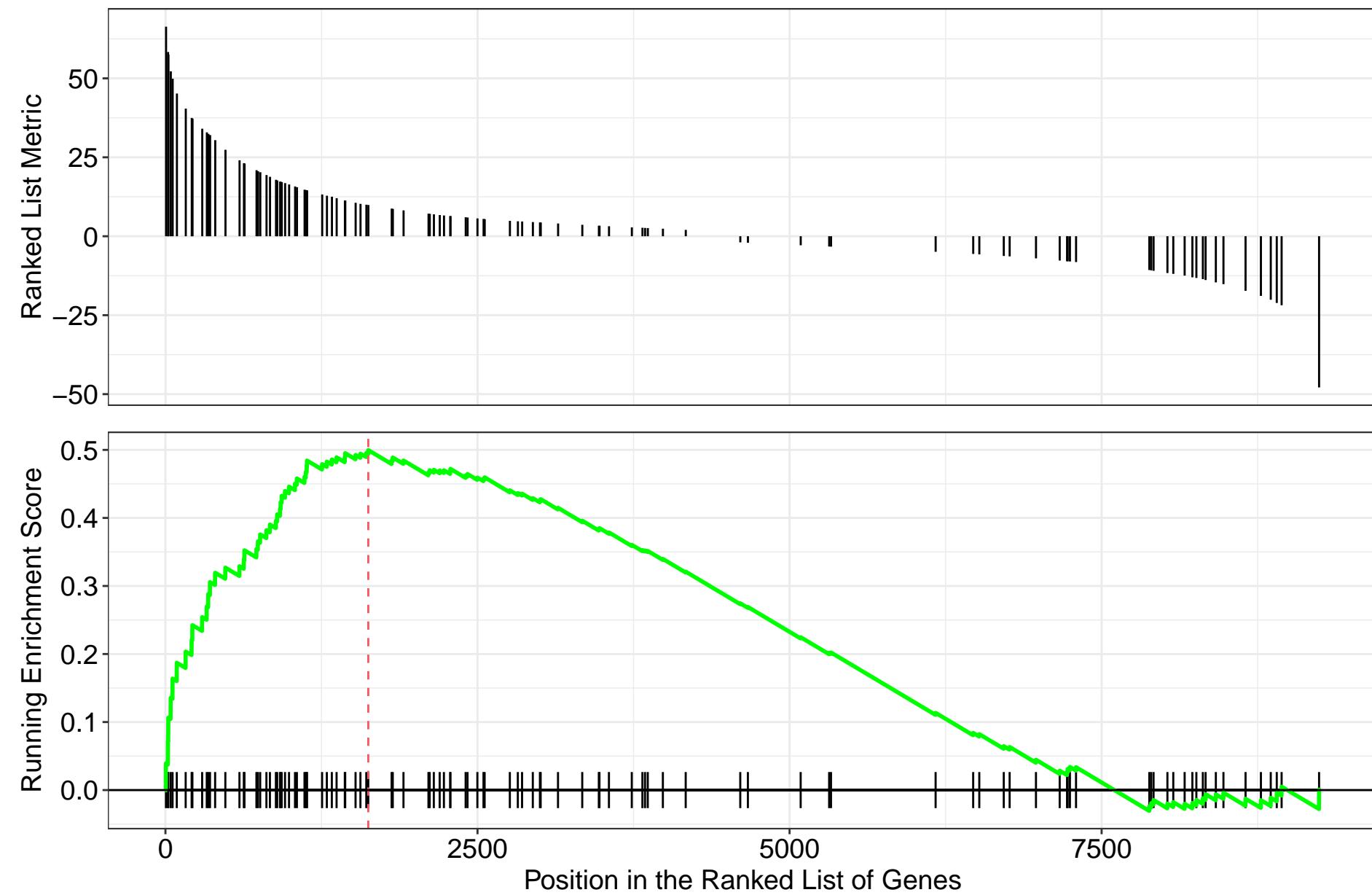
regulation of proteolysis



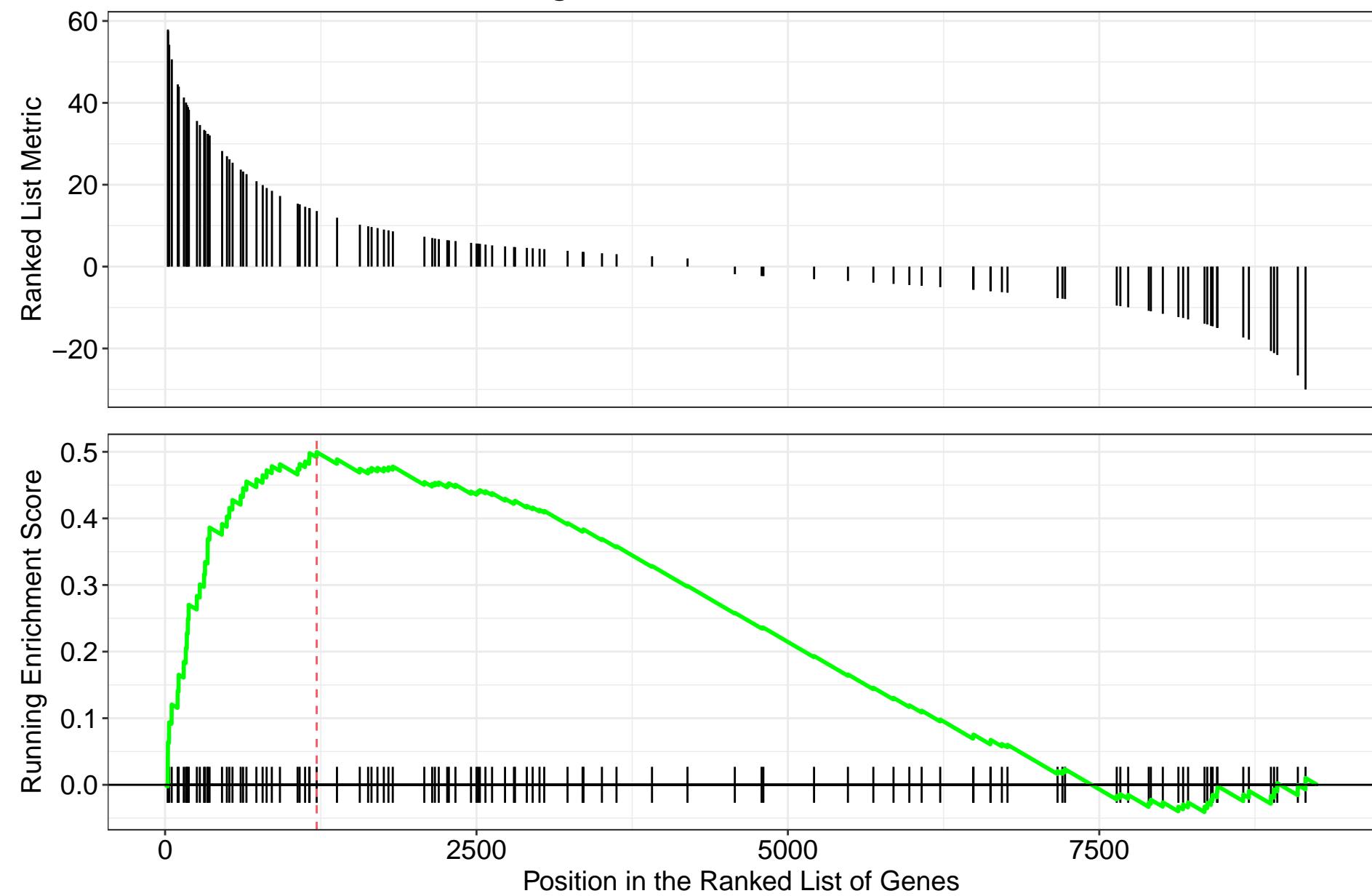
regulation of defense response to virus



alpha–beta T cell activation

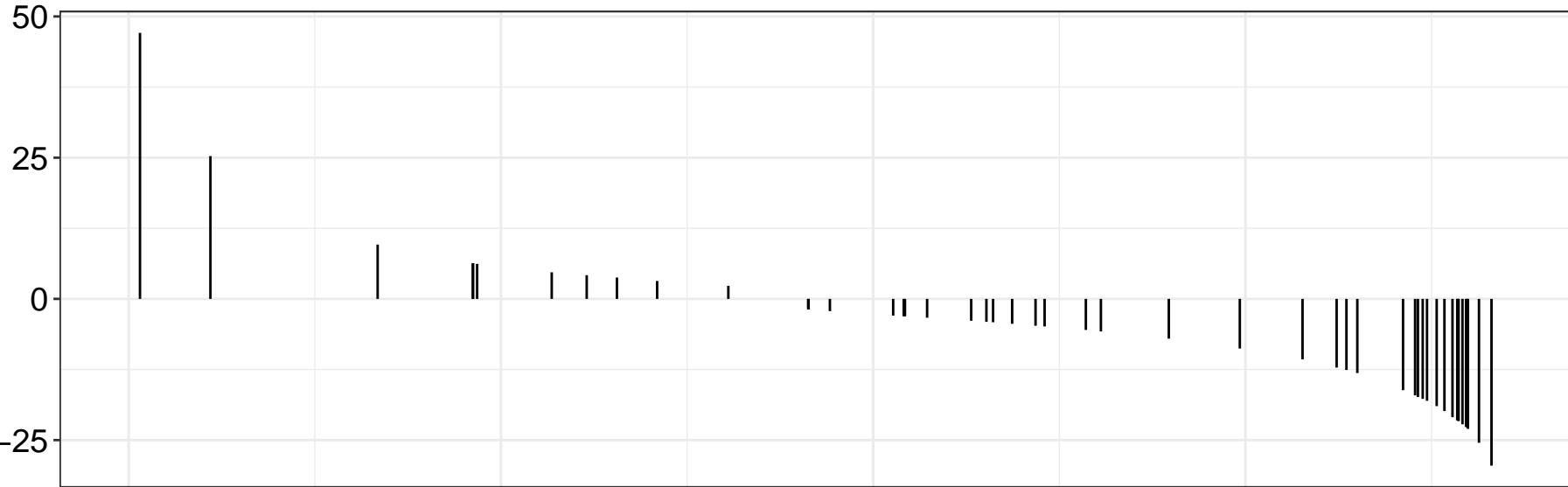


regulation of chemotaxis



establishment of chromosome localization

Ranked List Metric



Running Enrichment Score

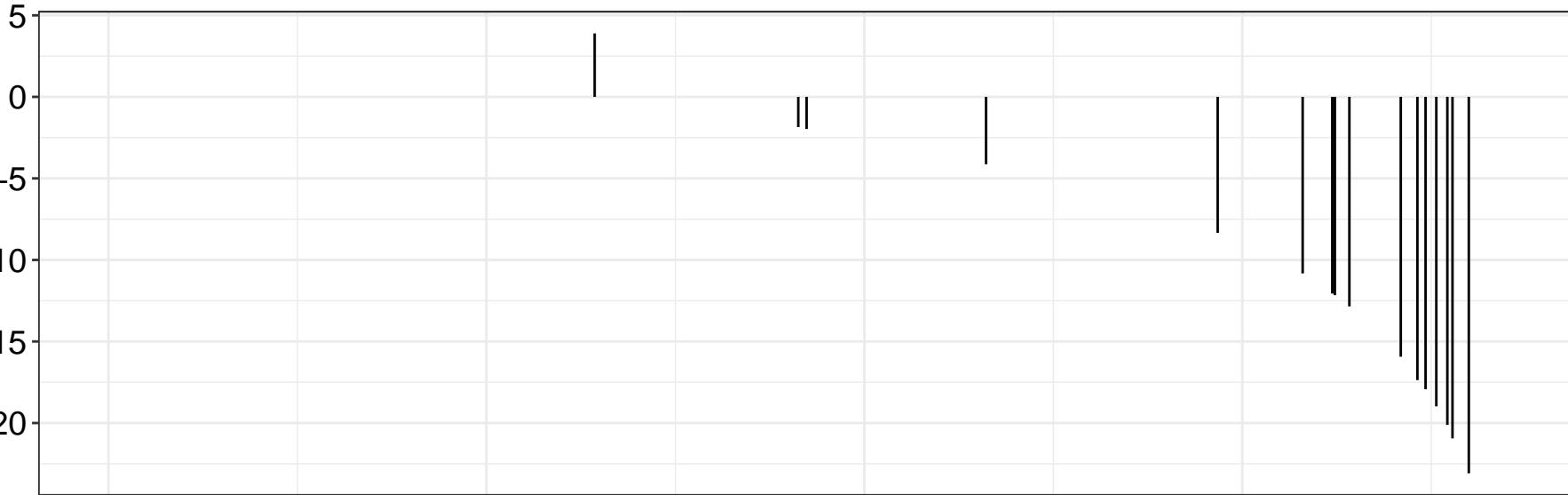
0 2500 5000 7500

Position in the Ranked List of Genes



kinetochore organization

Ranked List Metric



Running Enrichment Score

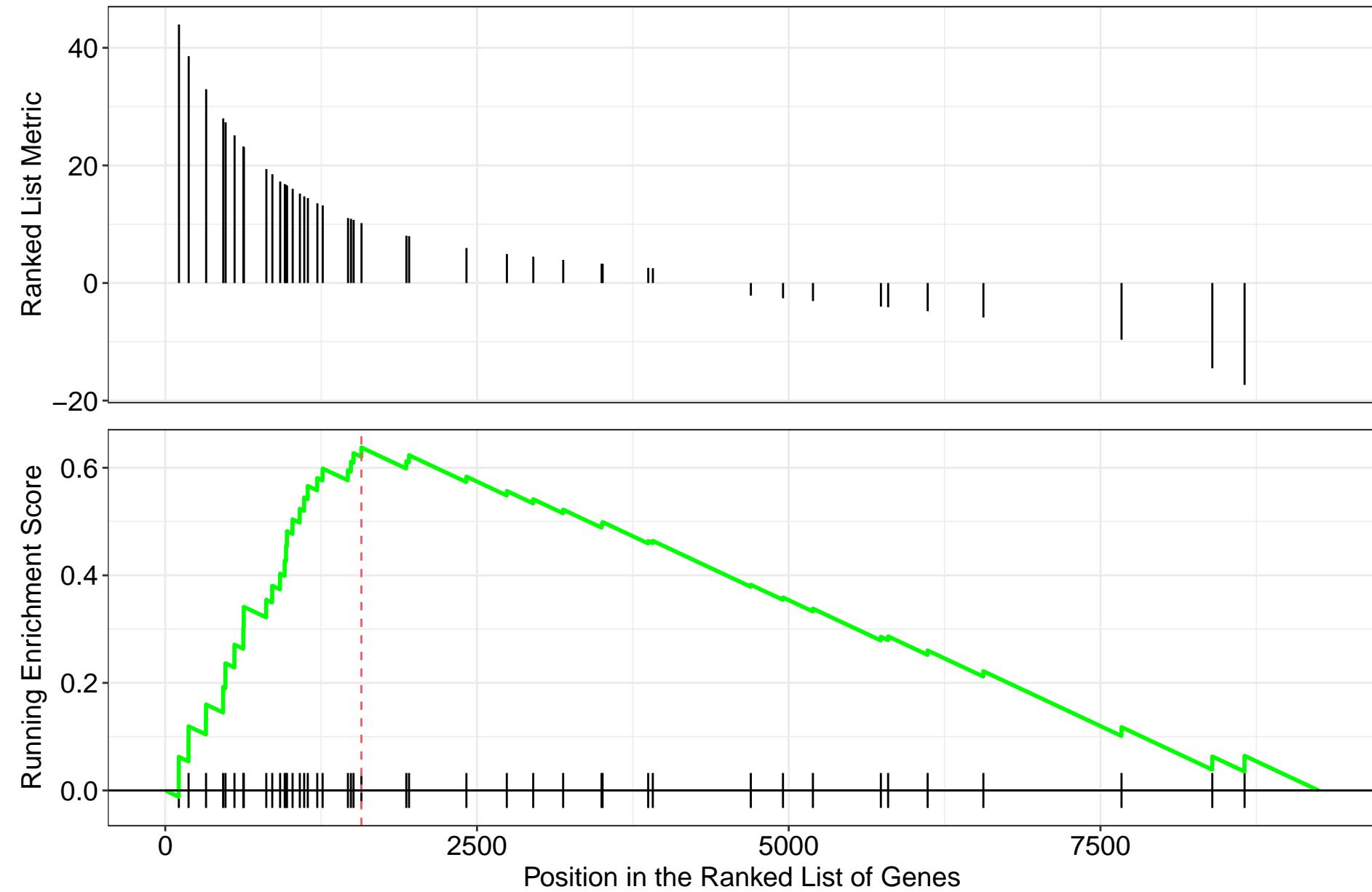
Position in the Ranked List of Genes

0 2500 5000 7500

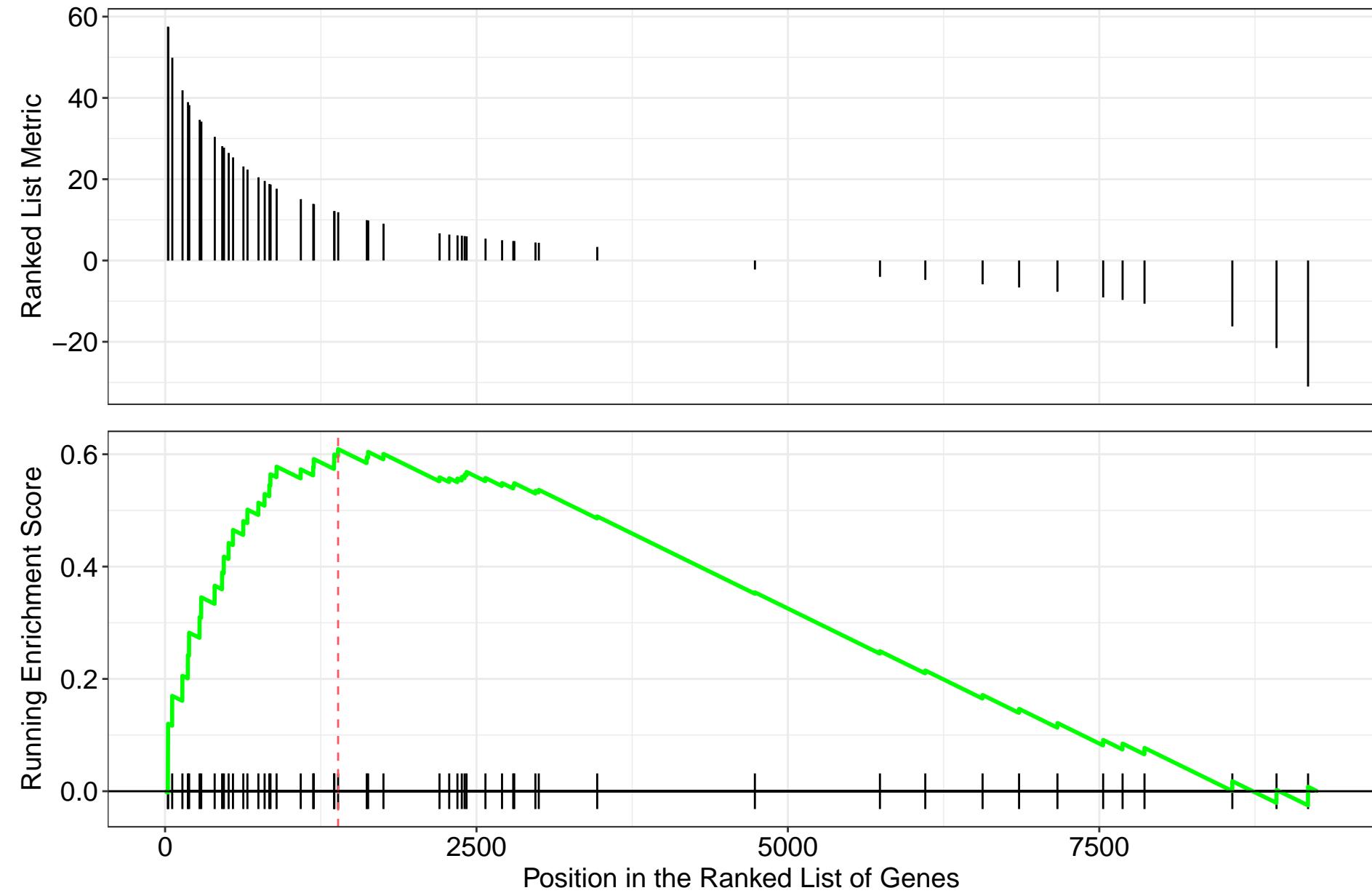
Position in the Ranked List of Genes



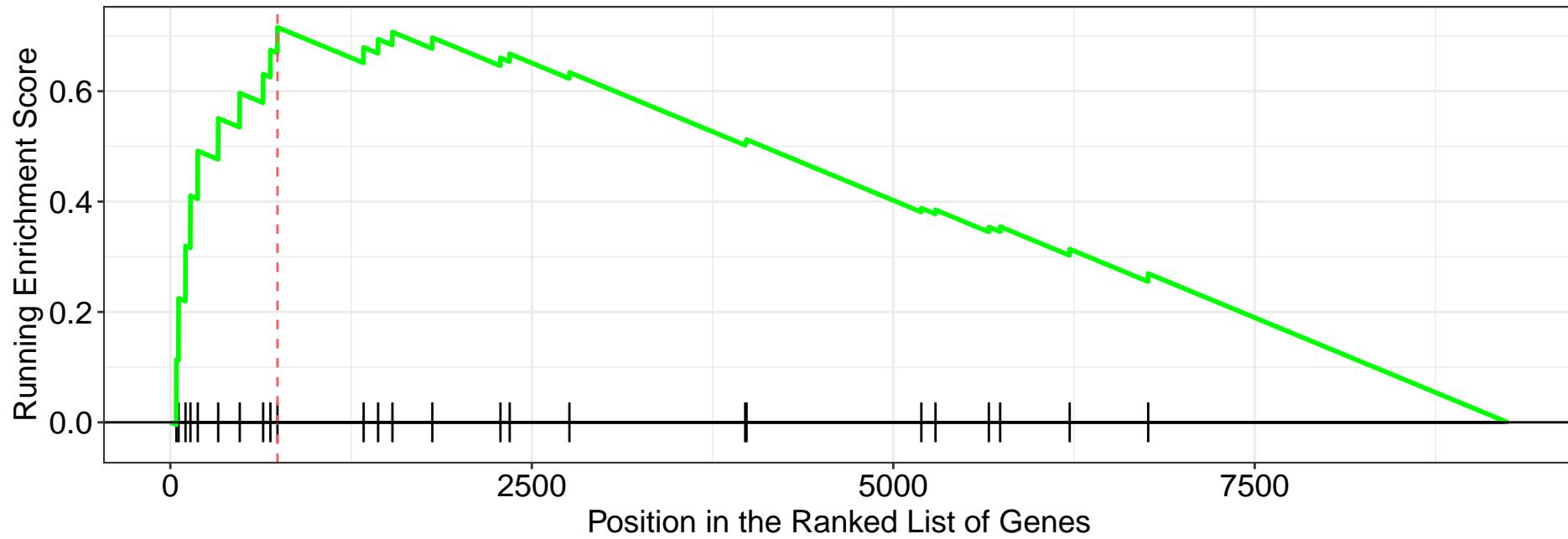
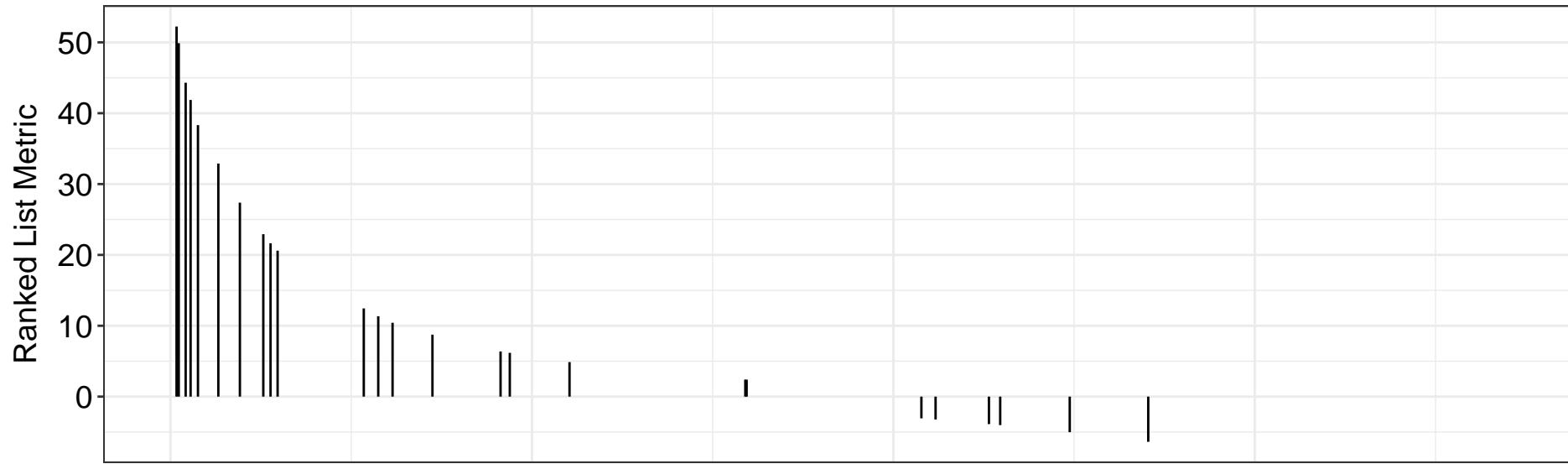
positive regulation of response to cytokine stimulus



positive regulation of cell killing

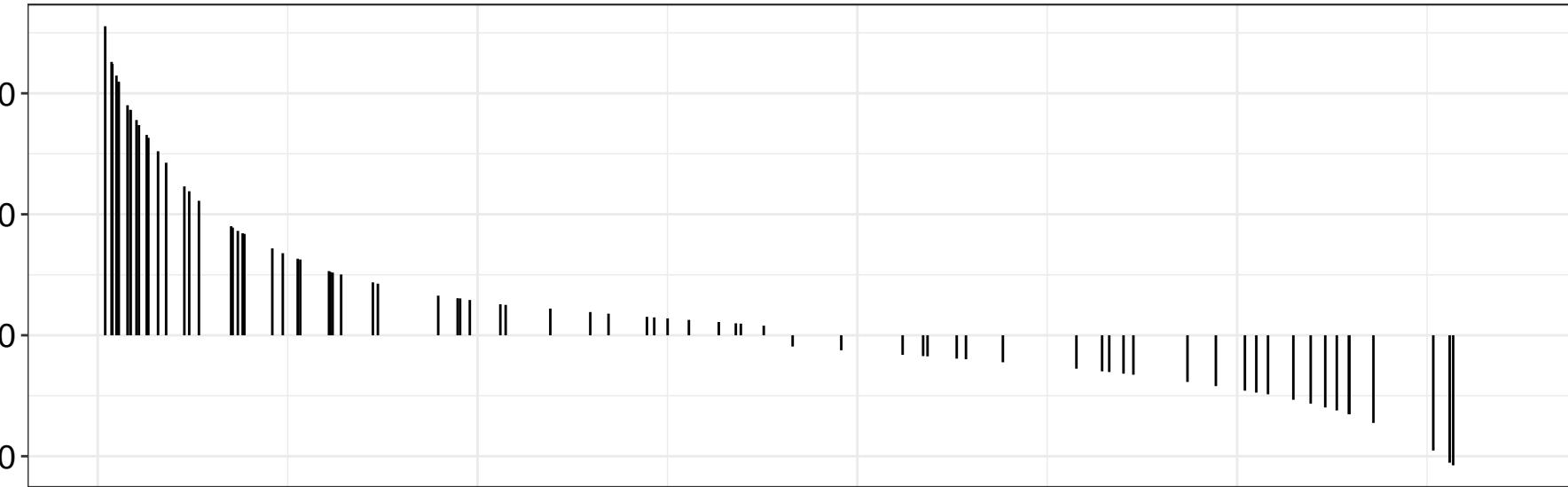


regulation of activated T cell proliferation



negative regulation of endopeptidase activity

Ranked List Metric



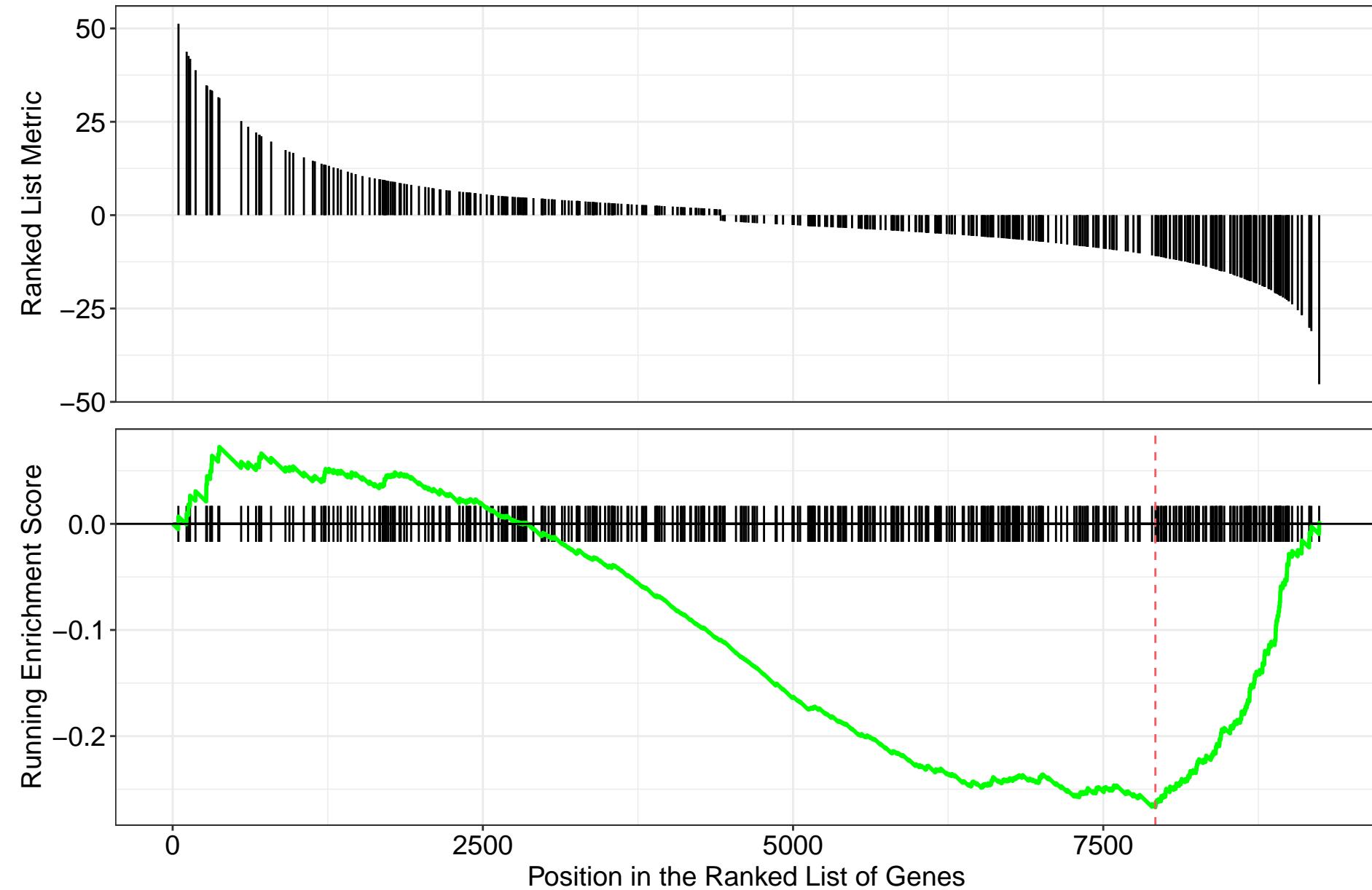
Running Enrichment Score

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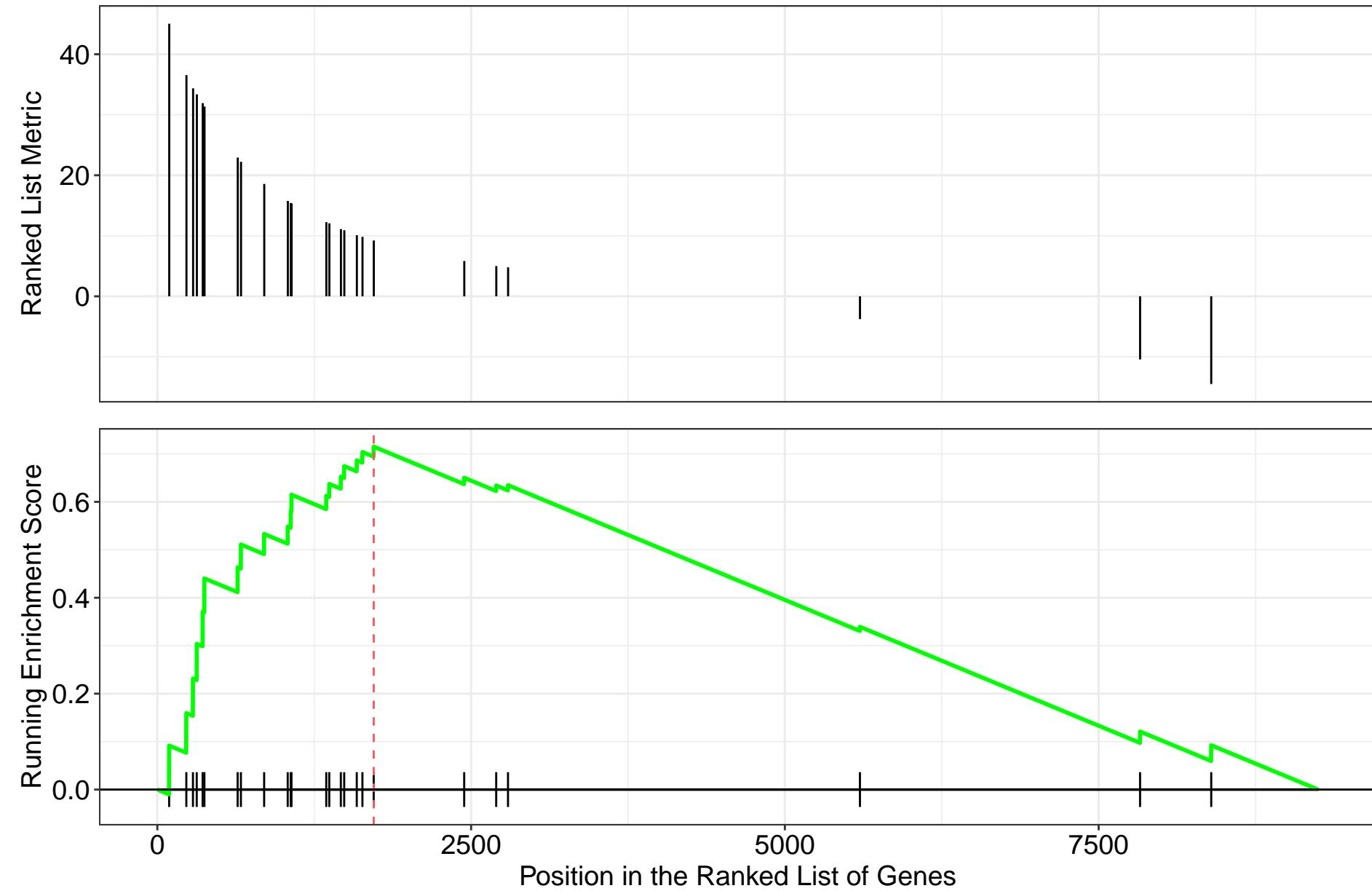
Position in the Ranked List of Genes



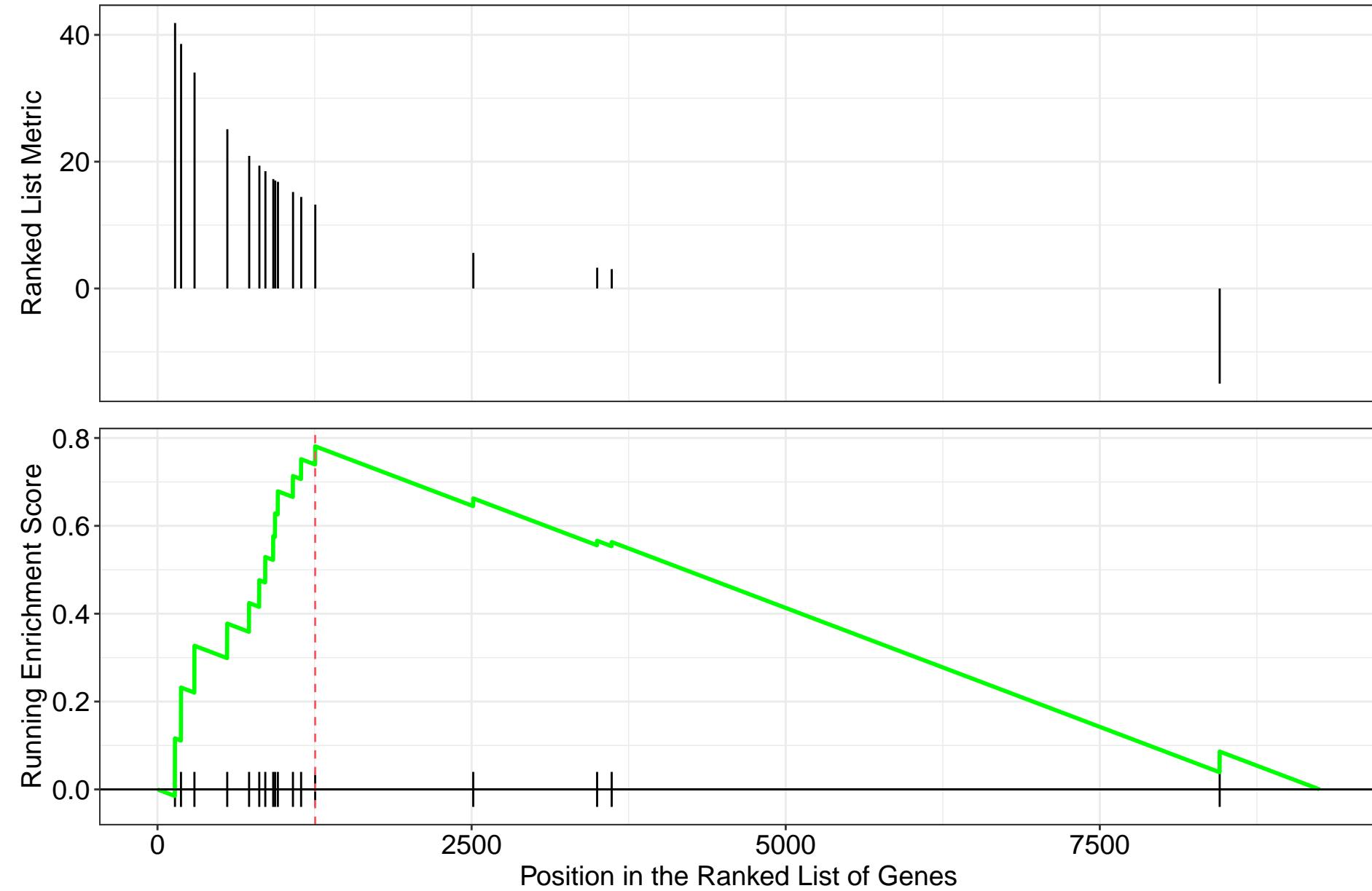
microtubule–based process



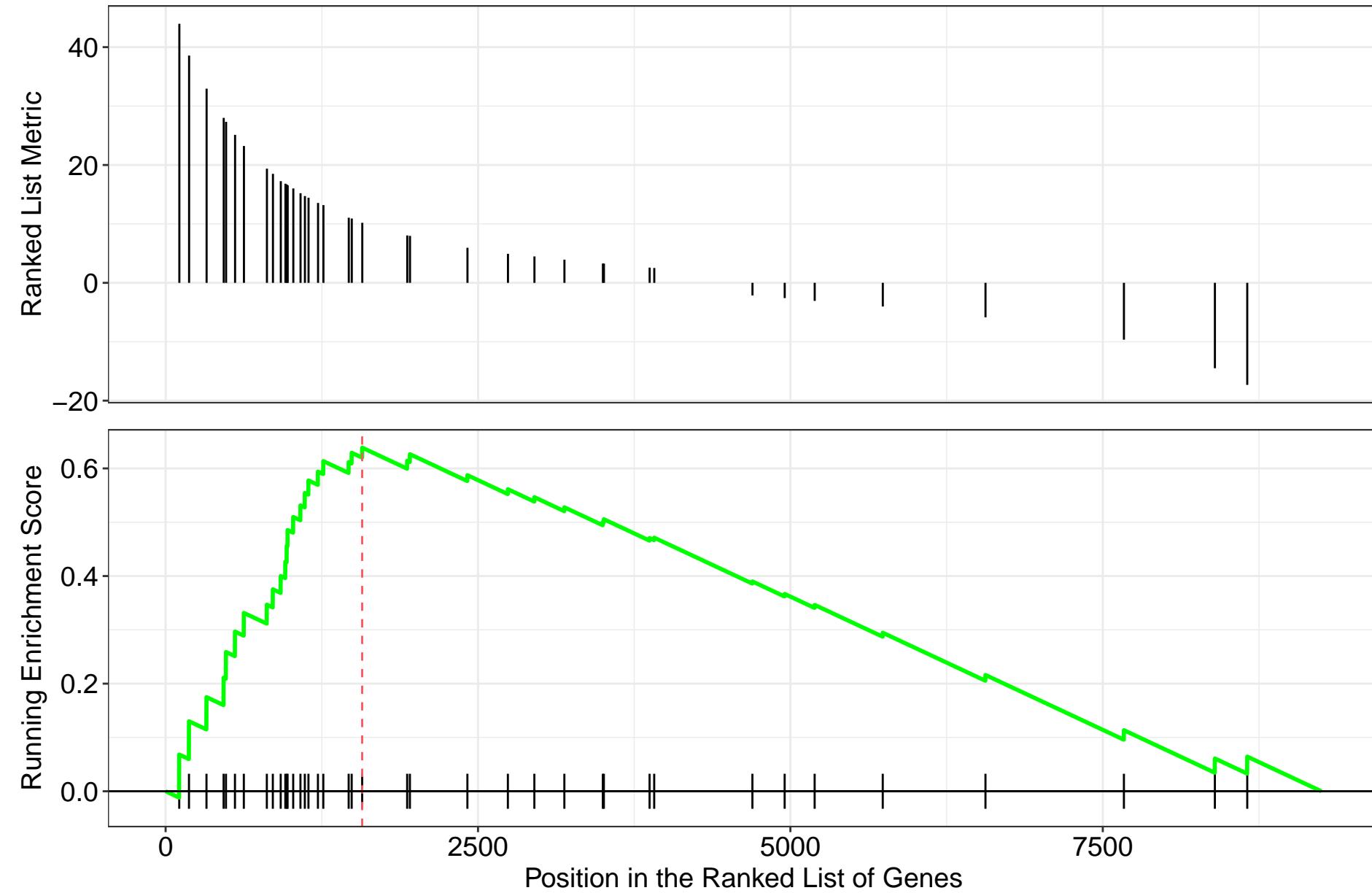
response to interferon–alpha



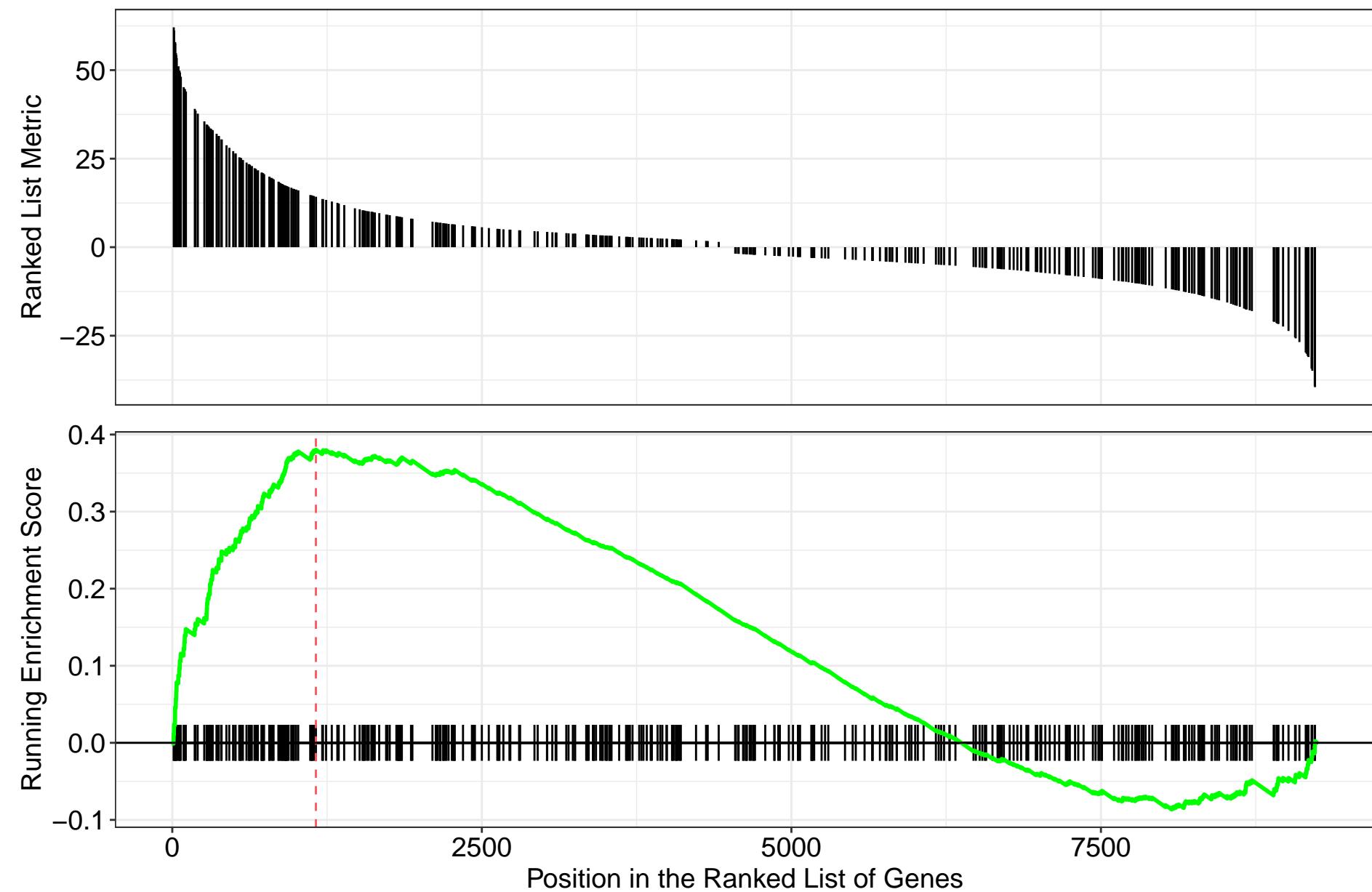
interferon–gamma–mediated signaling pathway



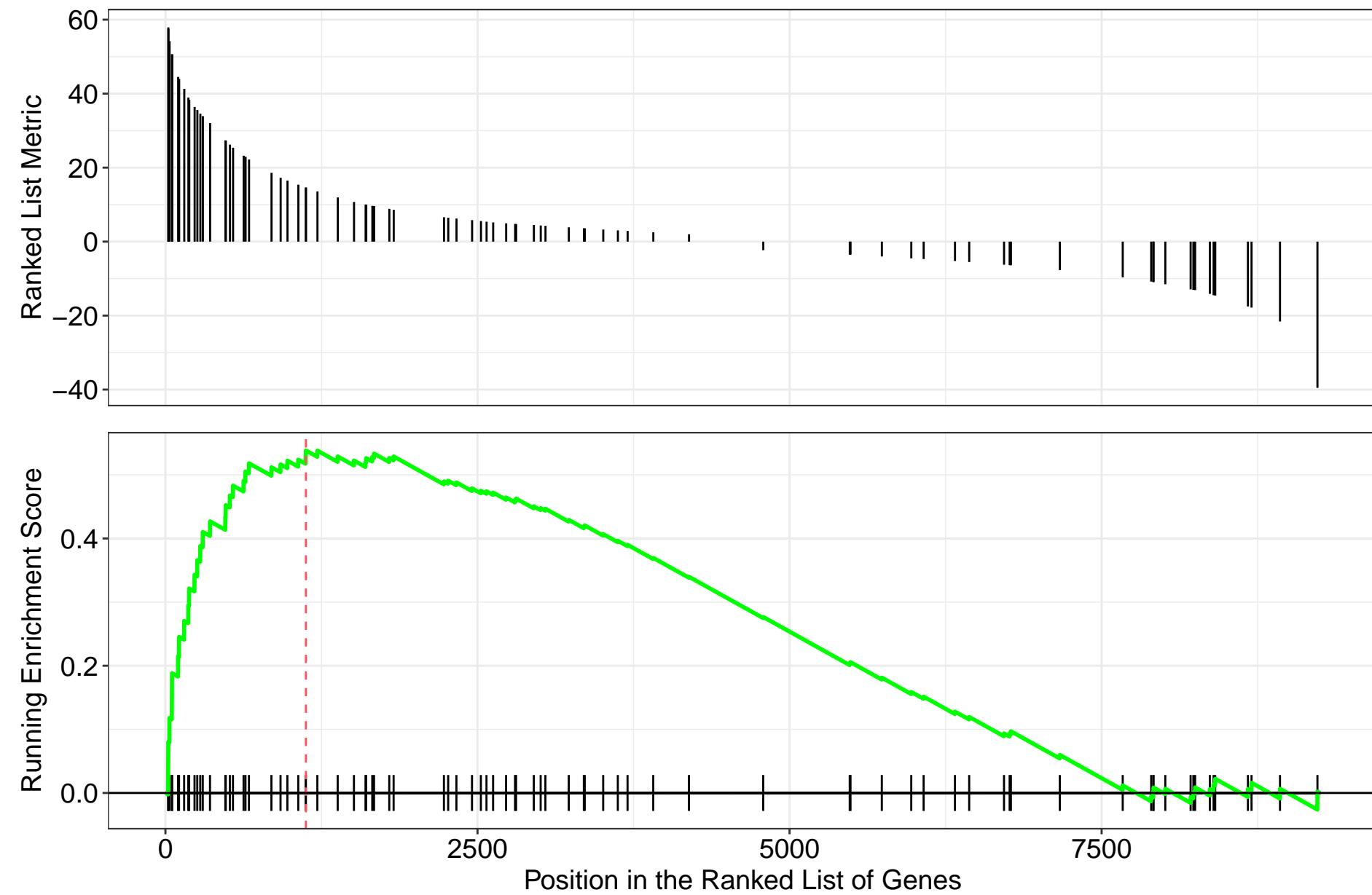
positive regulation of cytokine-mediated signaling pathway



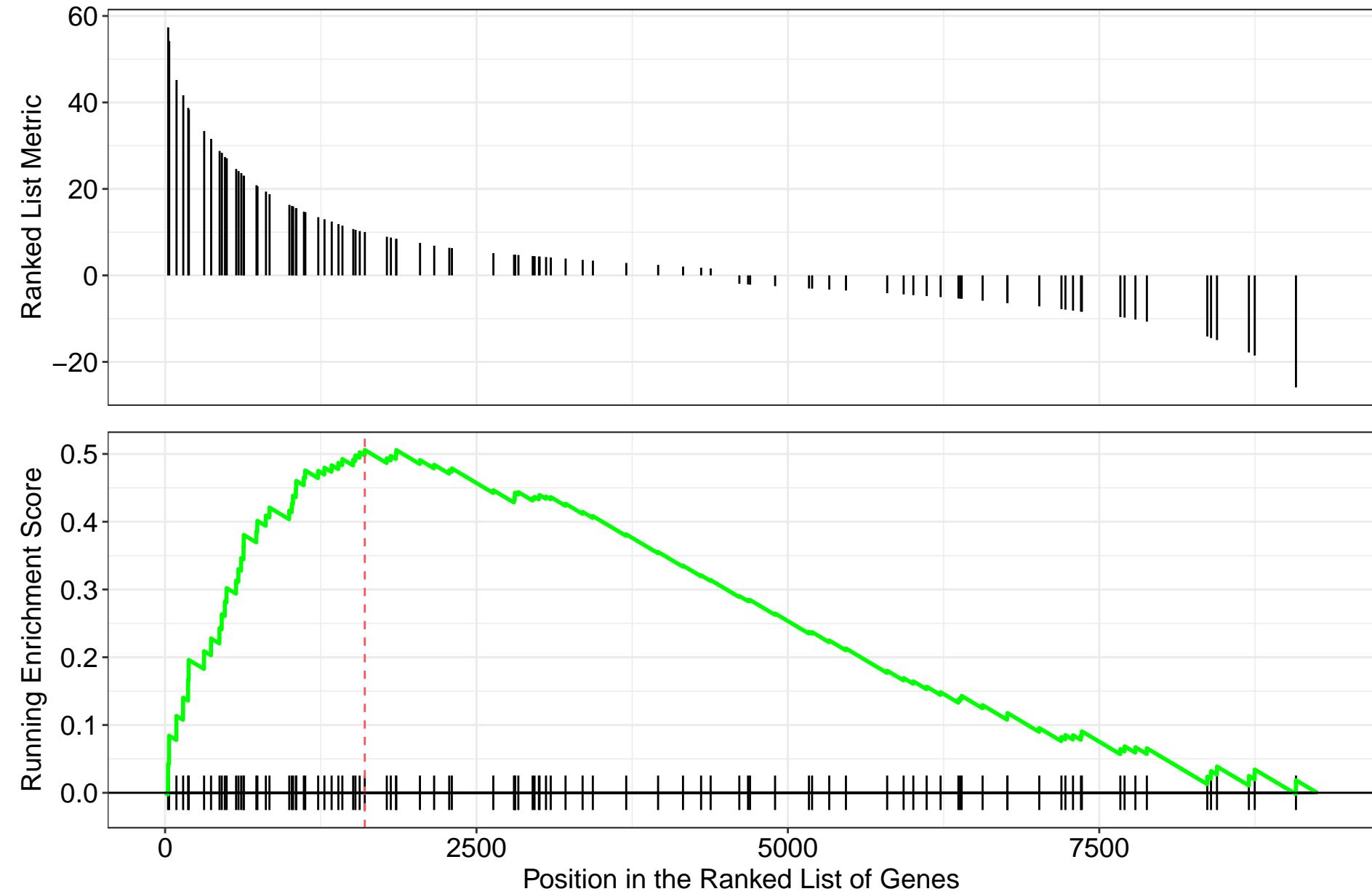
positive regulation of protein phosphorylation



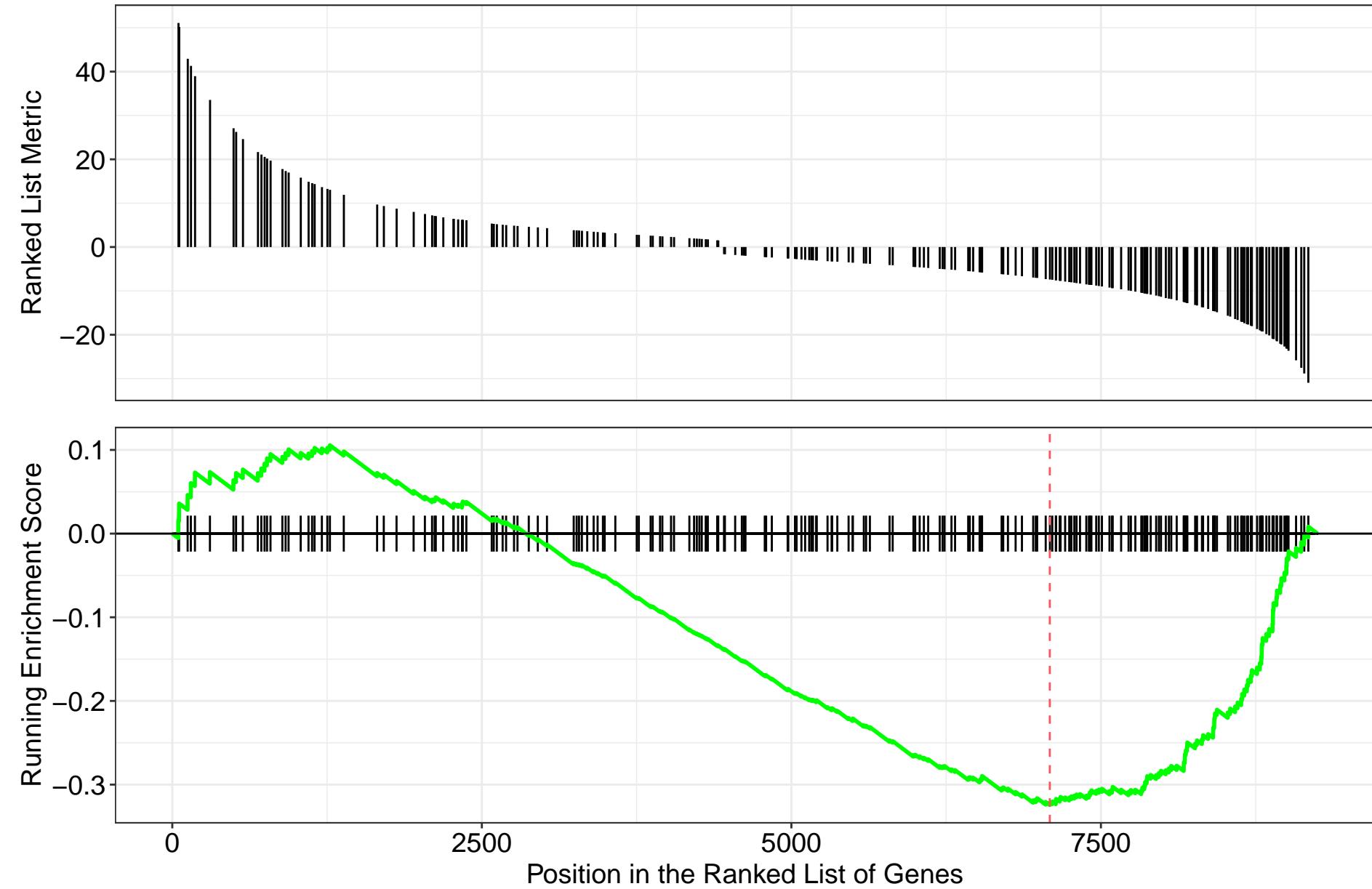
positive regulation of leukocyte migration



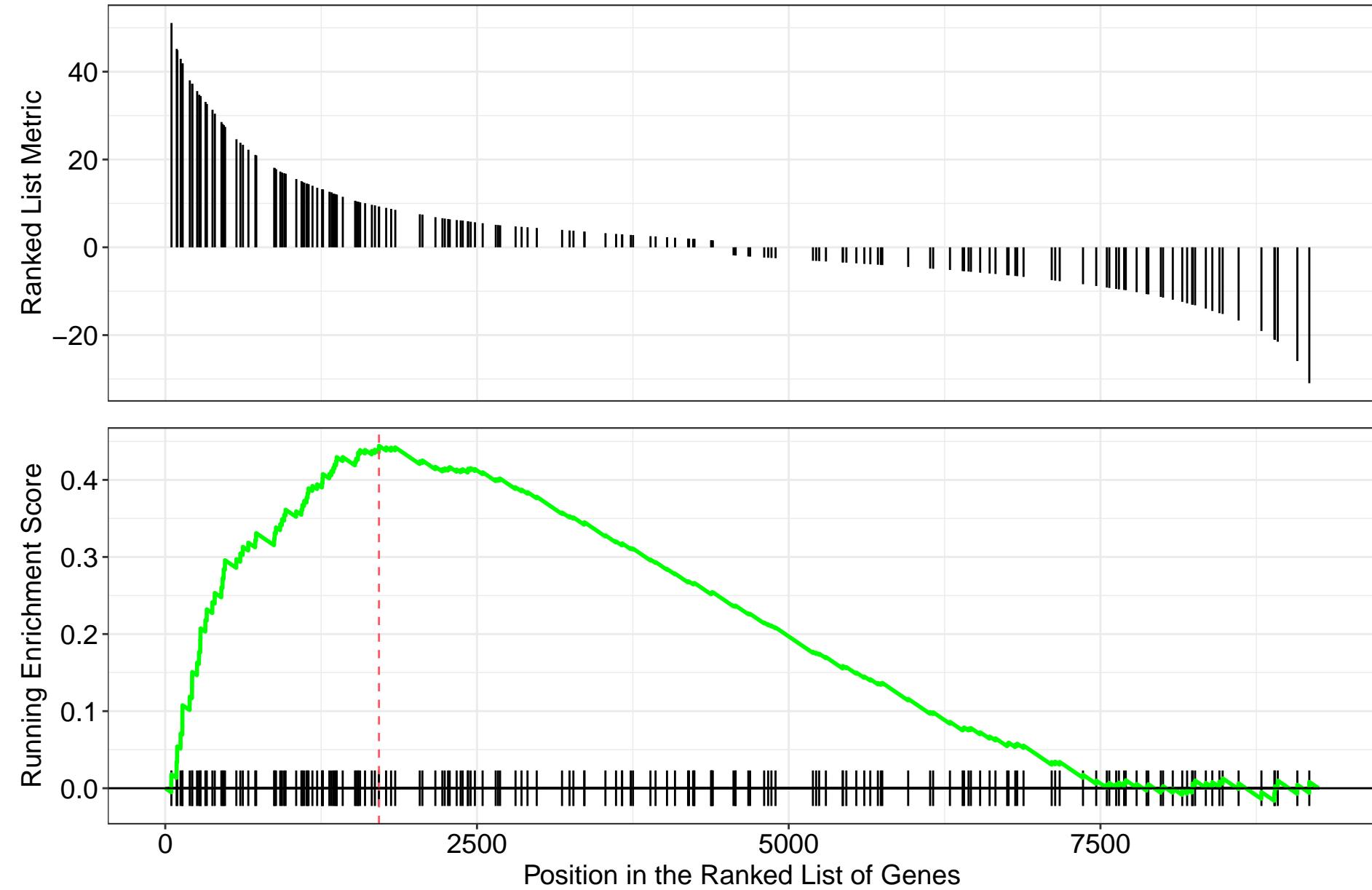
interleukin–6 production



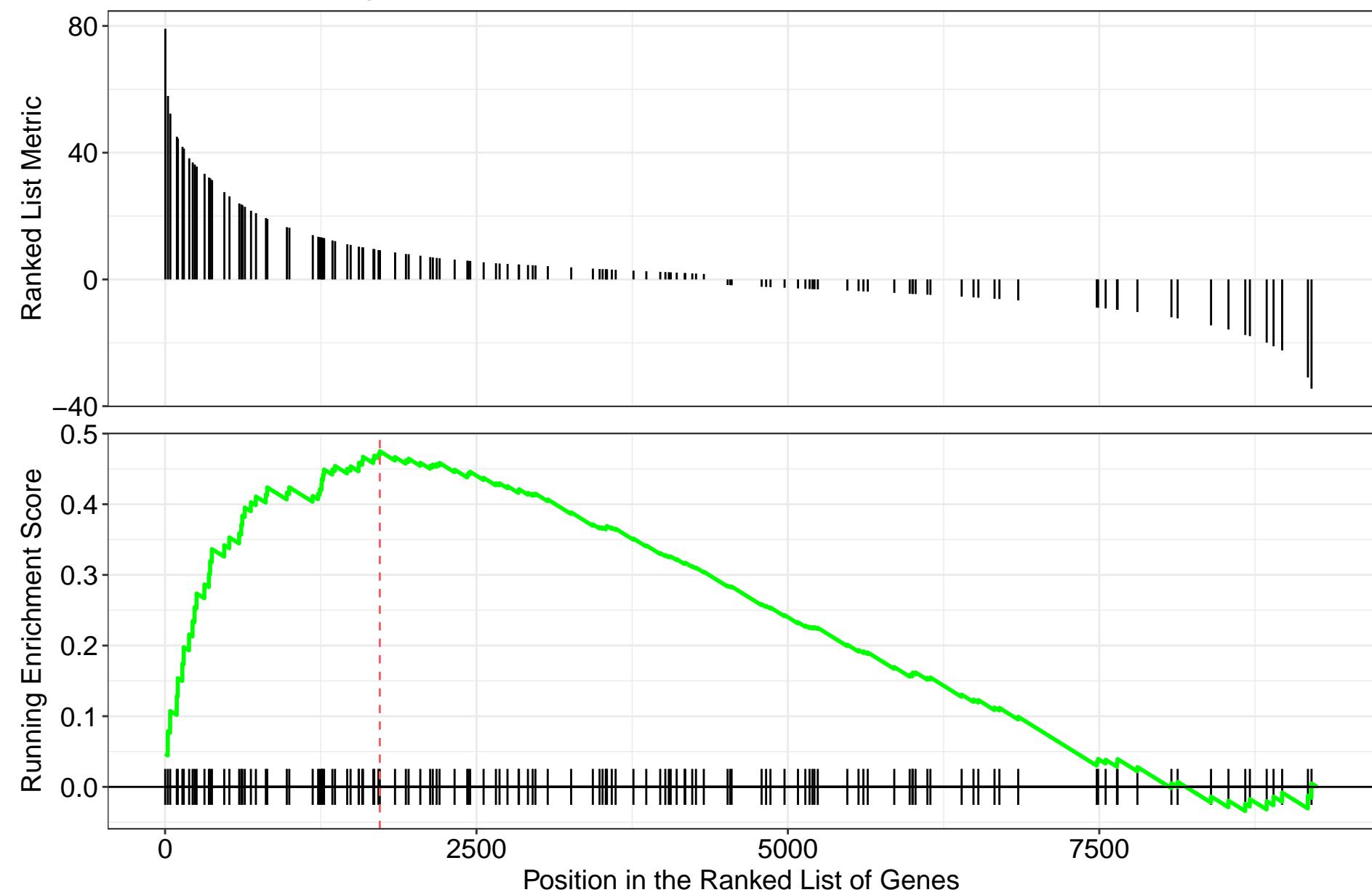
negative regulation of cell cycle



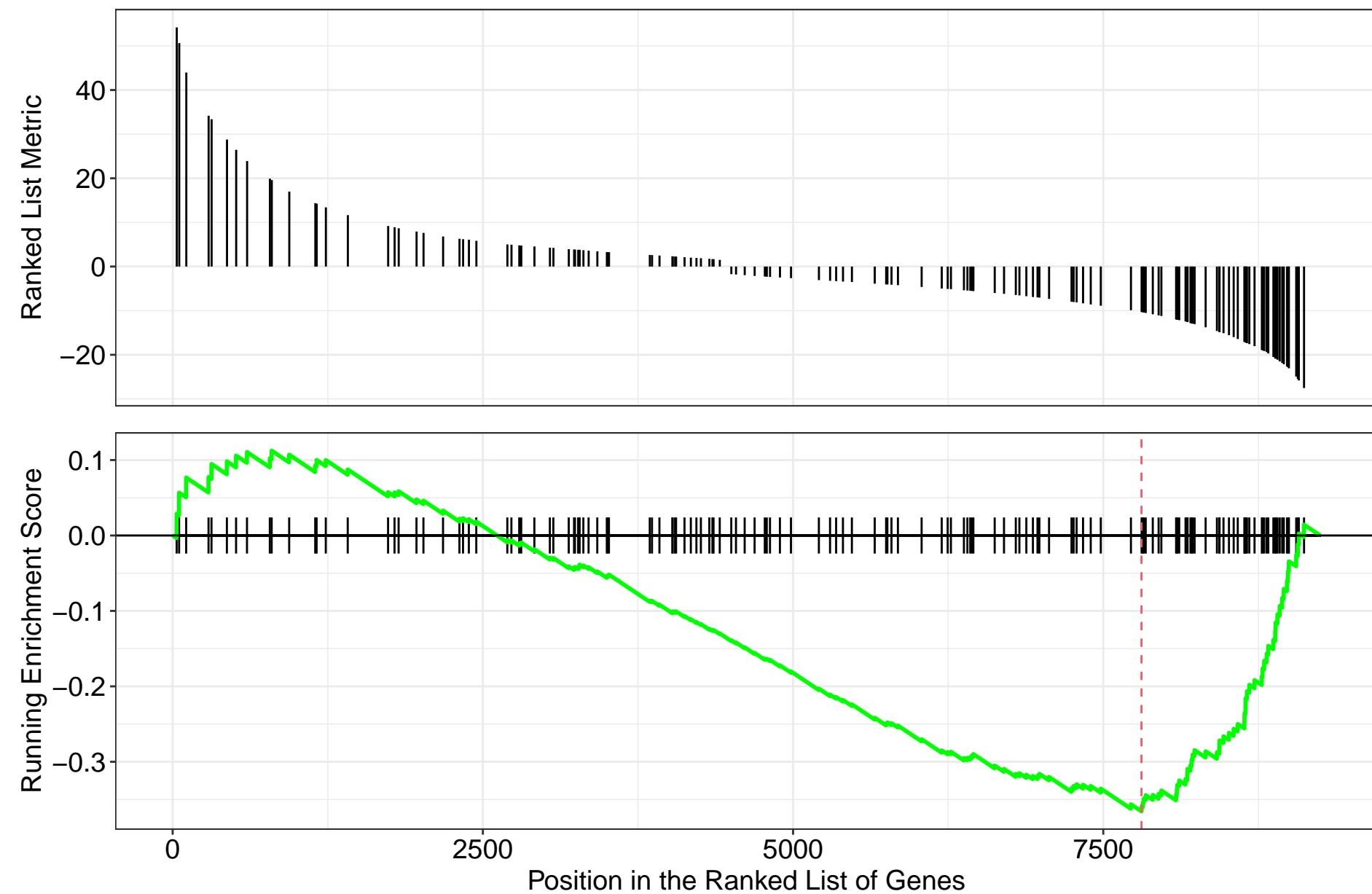
regulation of endopeptidase activity



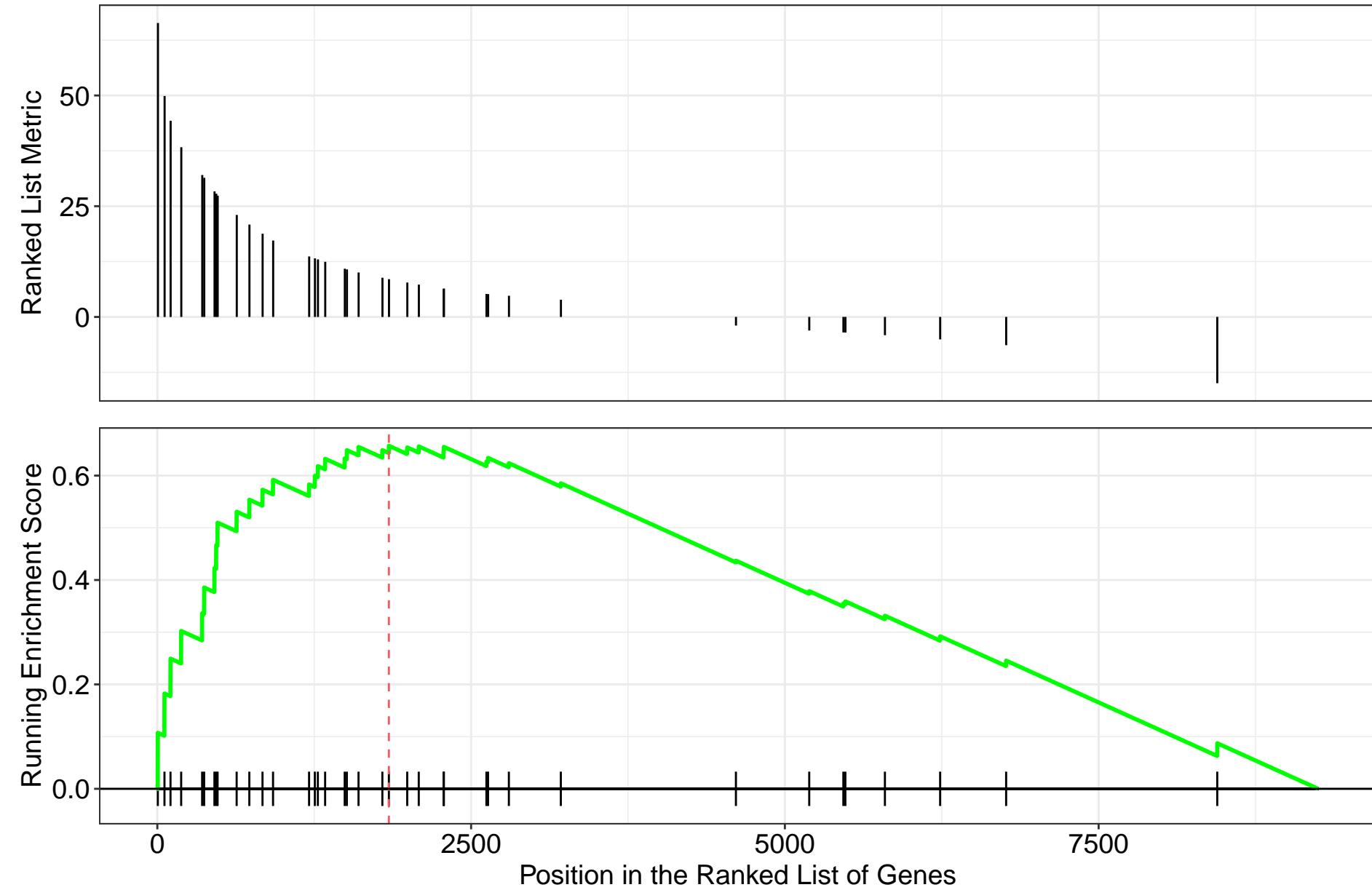
biological process involved in symbiotic interaction



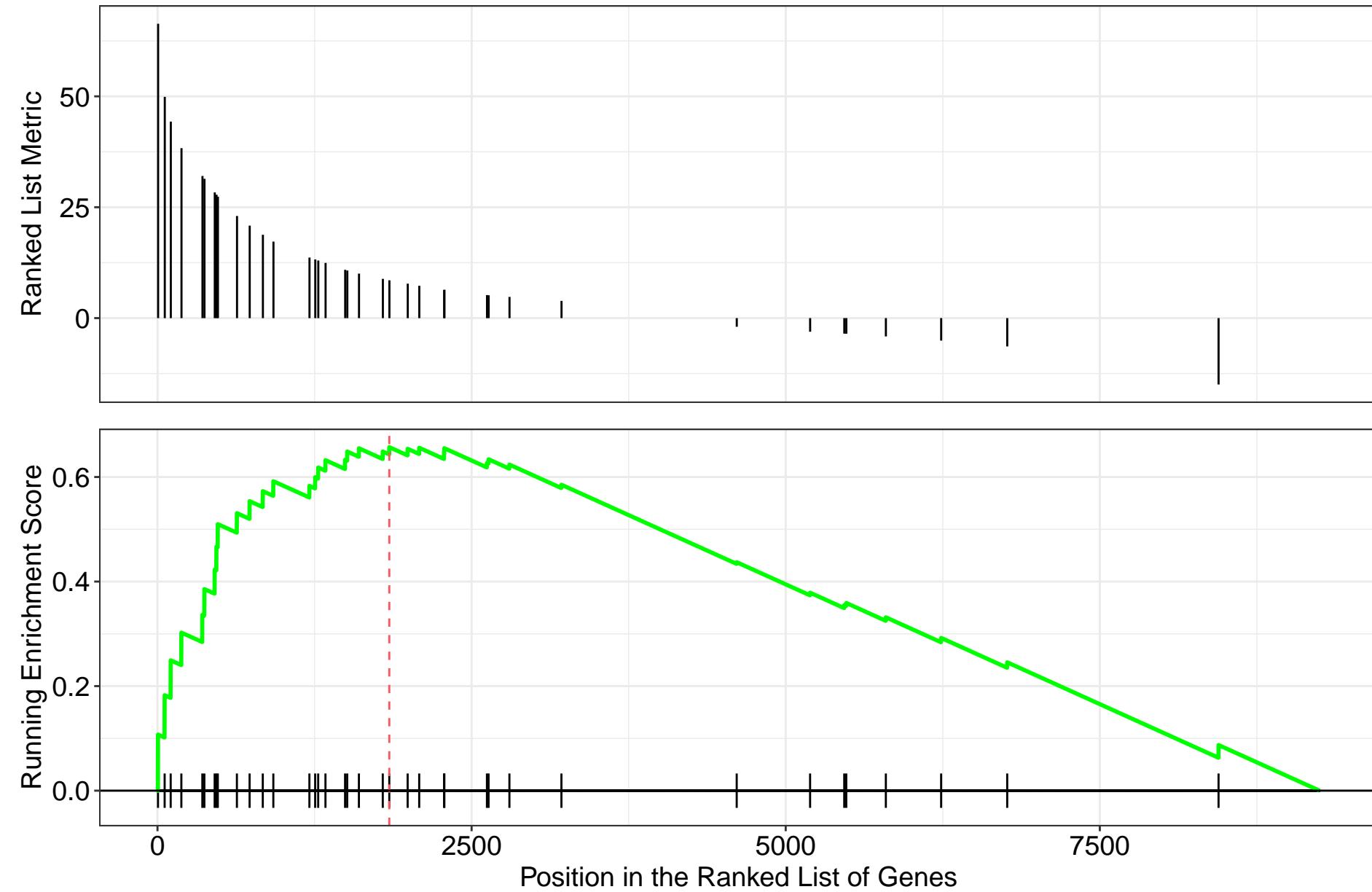
positive regulation of cell cycle process



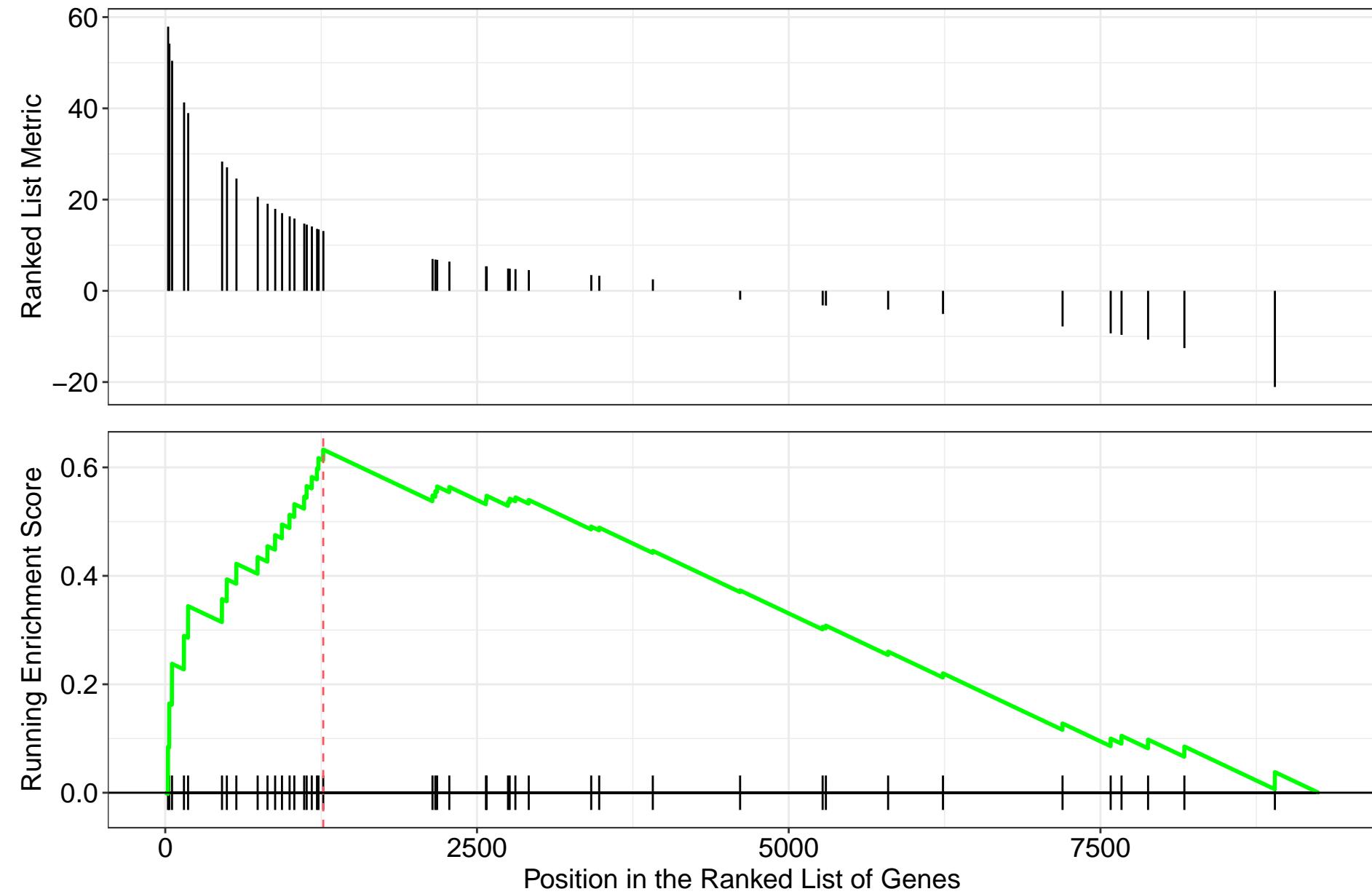
interleukin–12 production



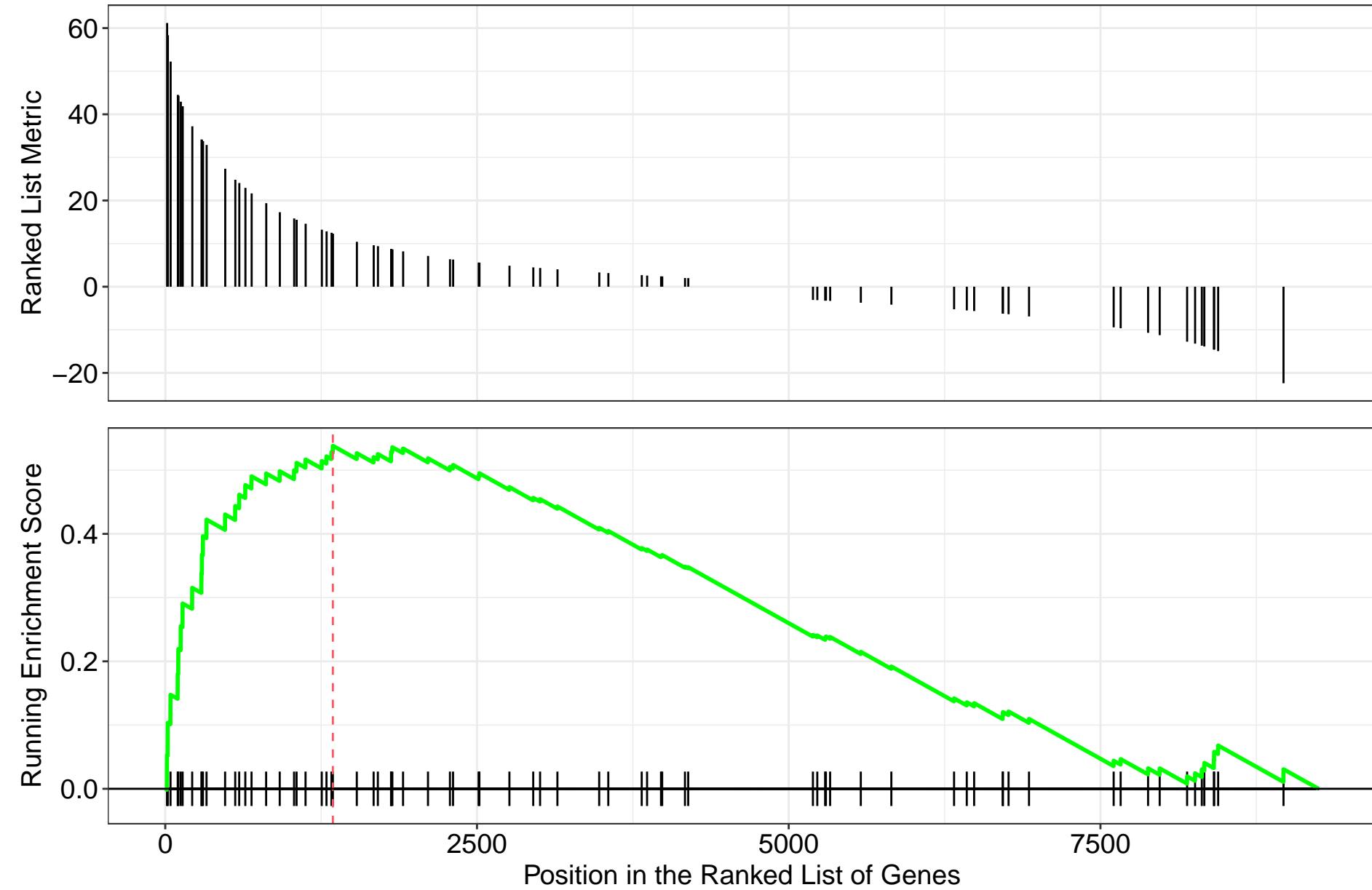
regulation of interleukin-12 production



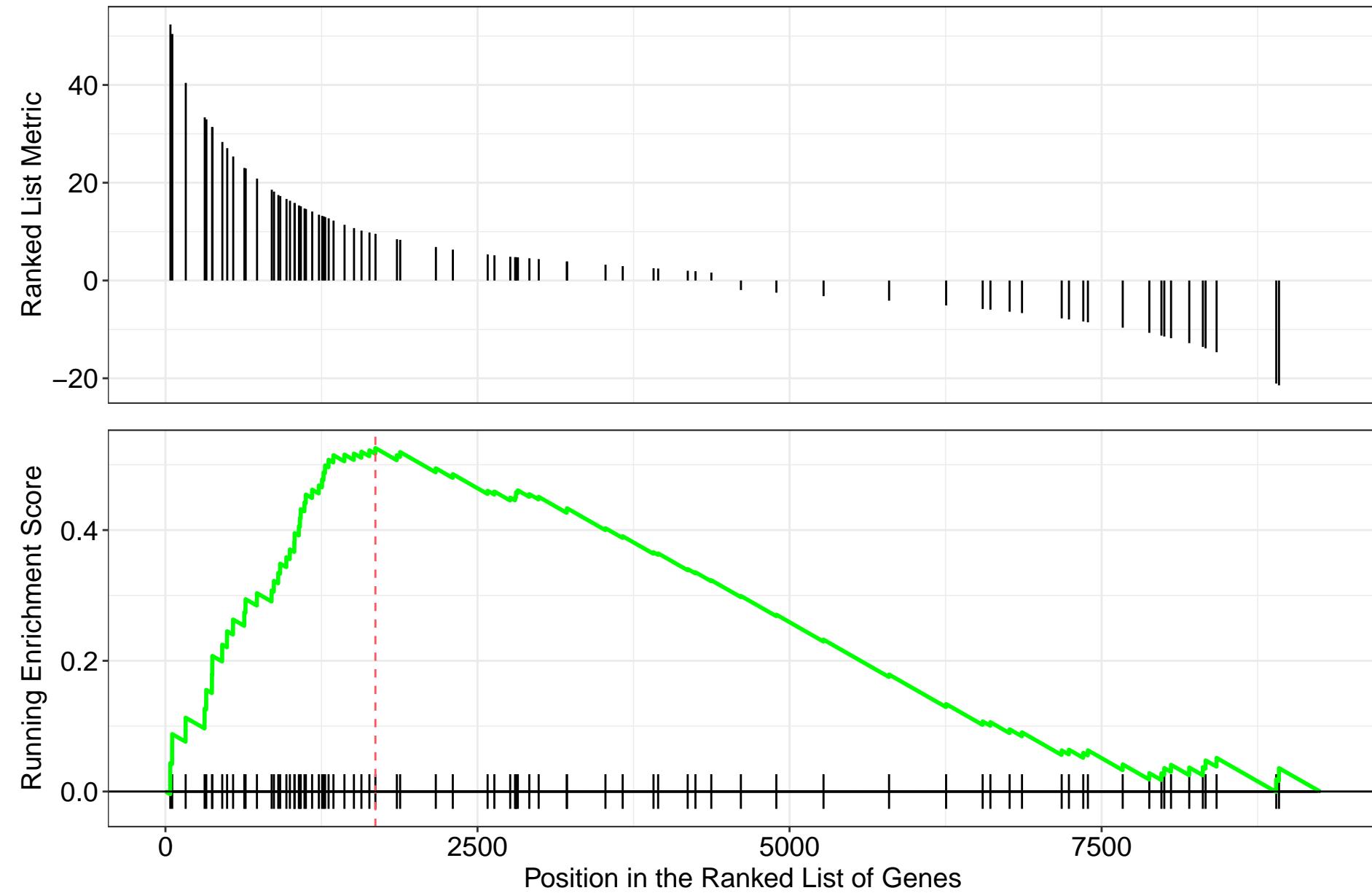
lipopolysaccharide-mediated signaling pathway



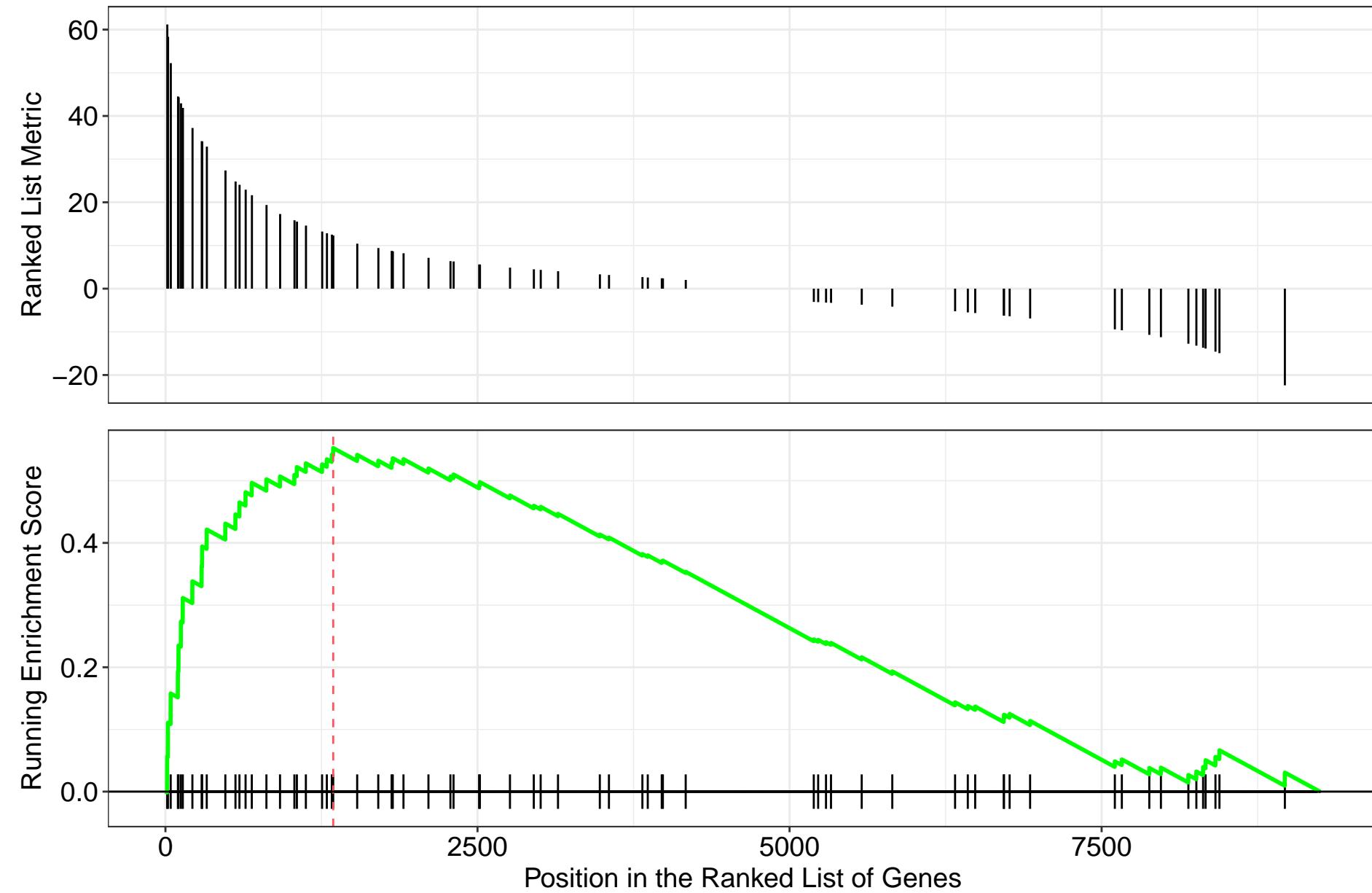
negative regulation of leukocyte cell–cell adhesion



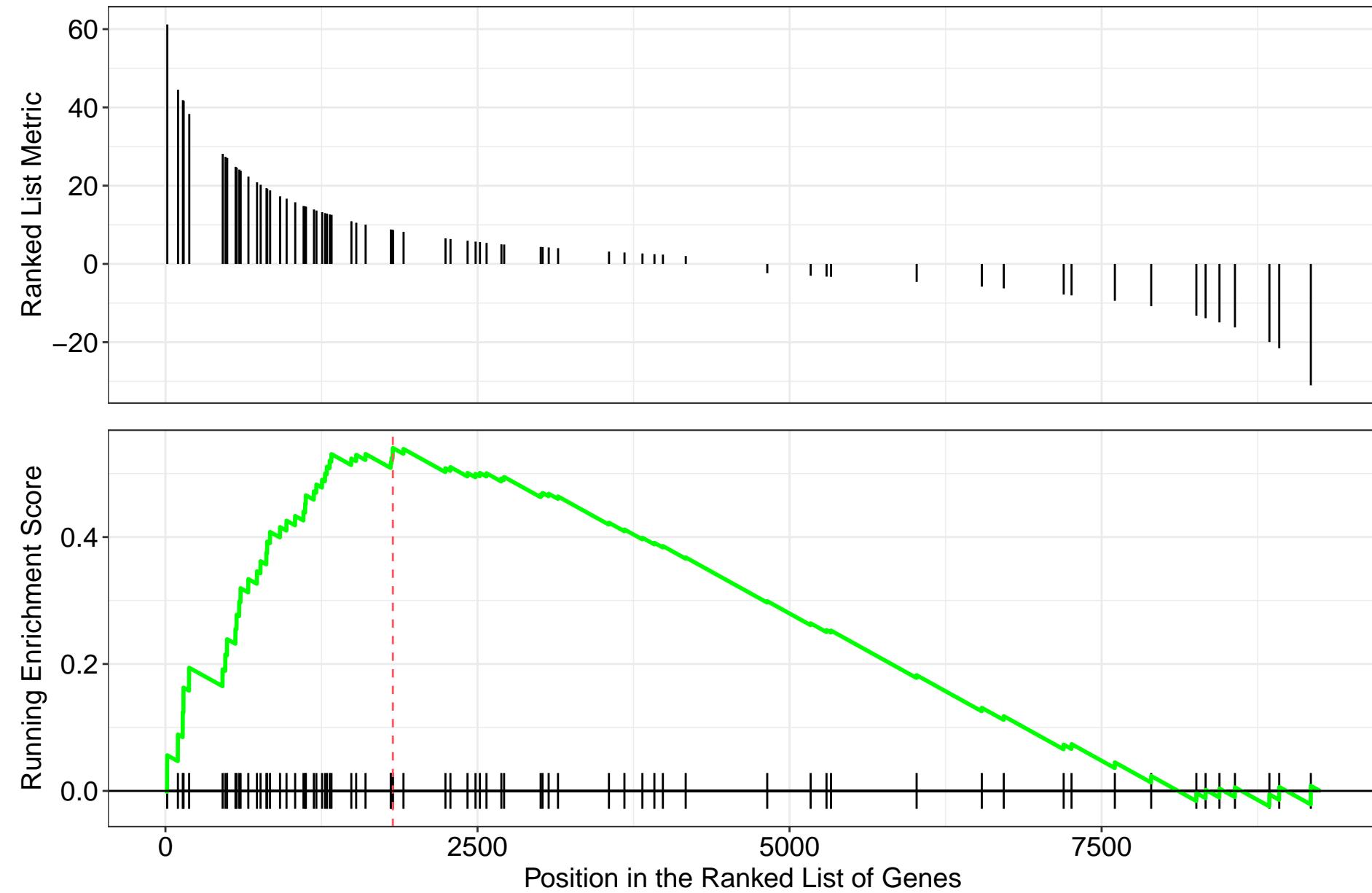
toll-like receptor signaling pathway



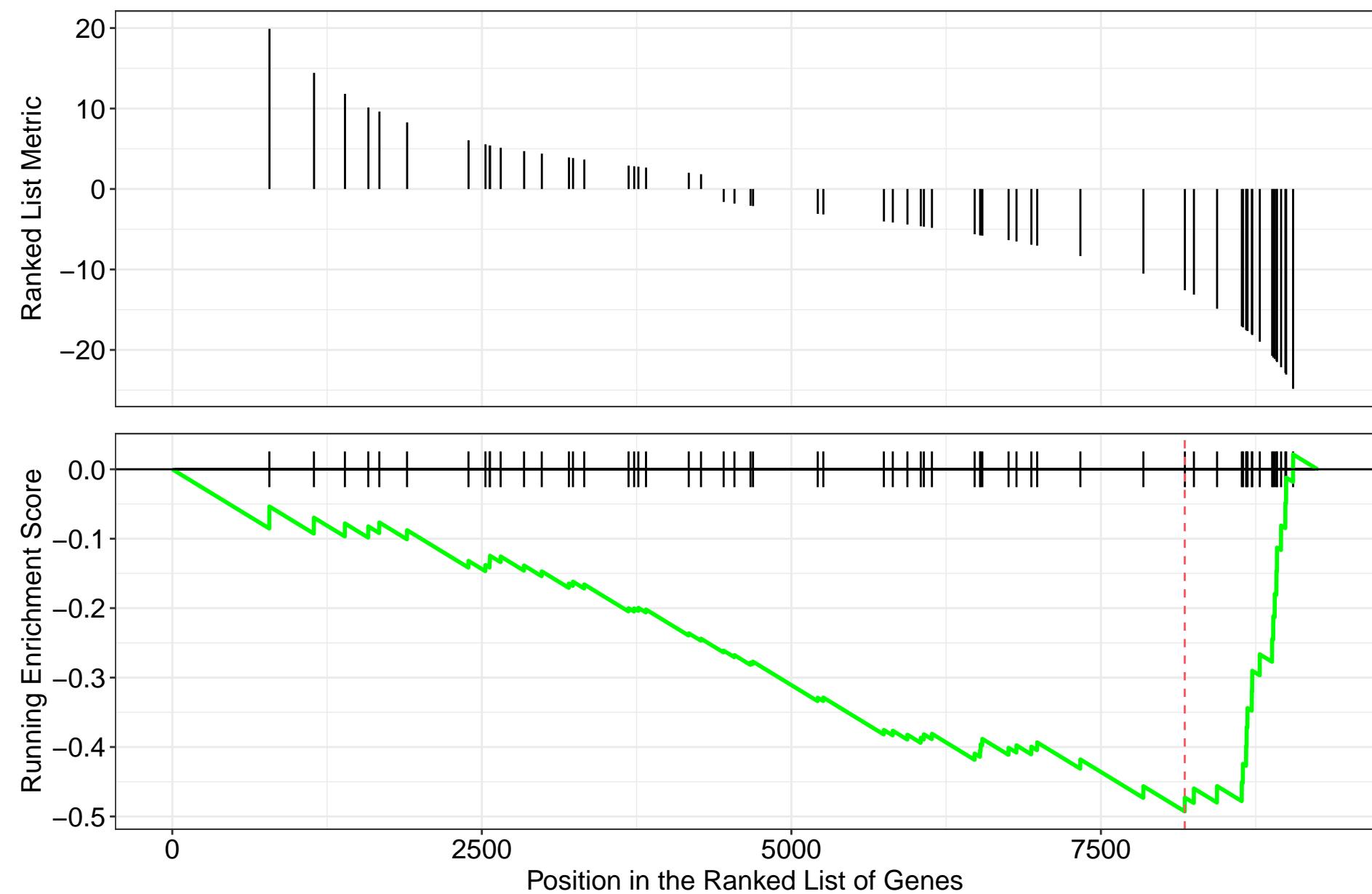
negative regulation of T cell activation



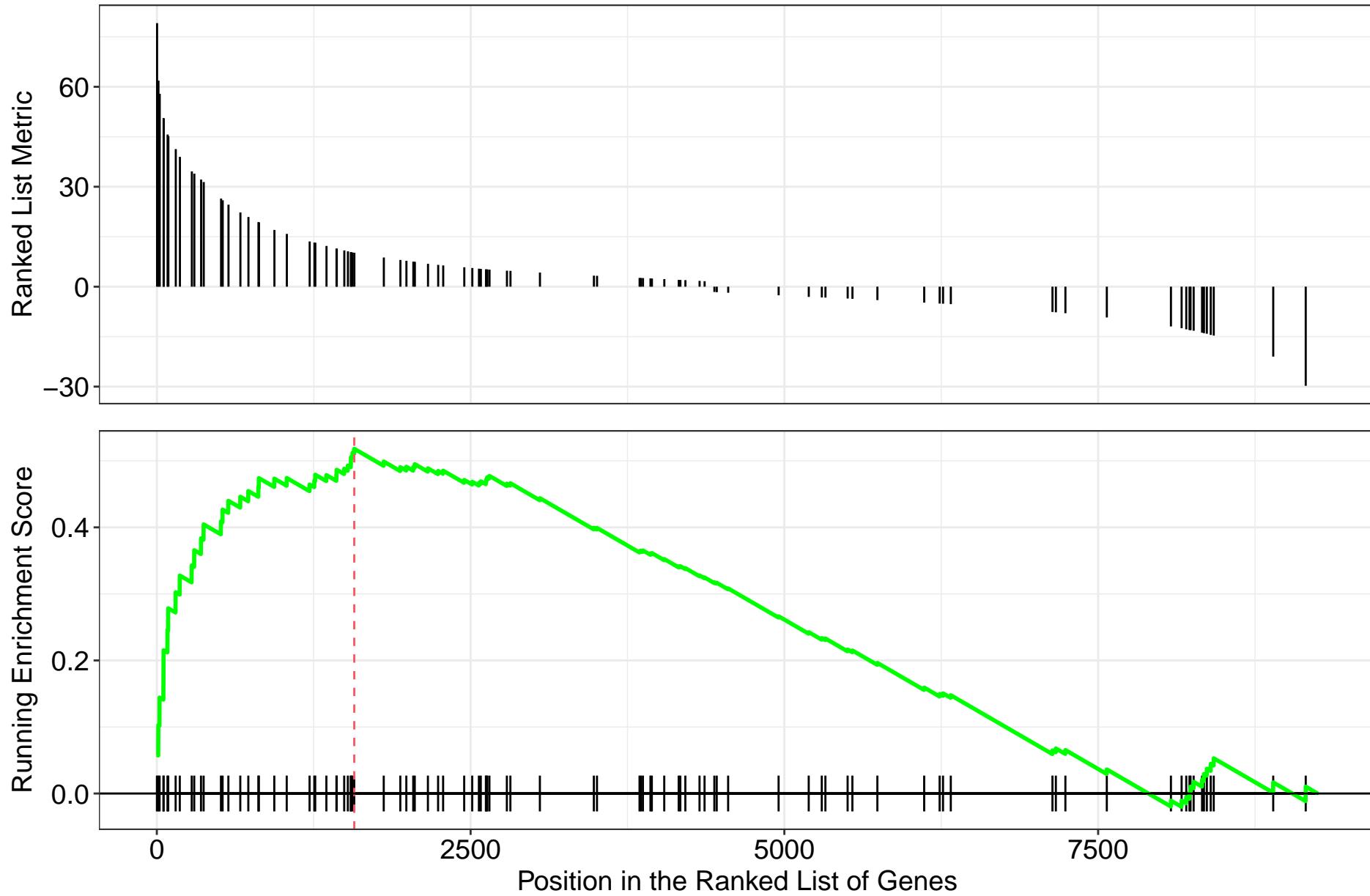
negative regulation of immune effector process



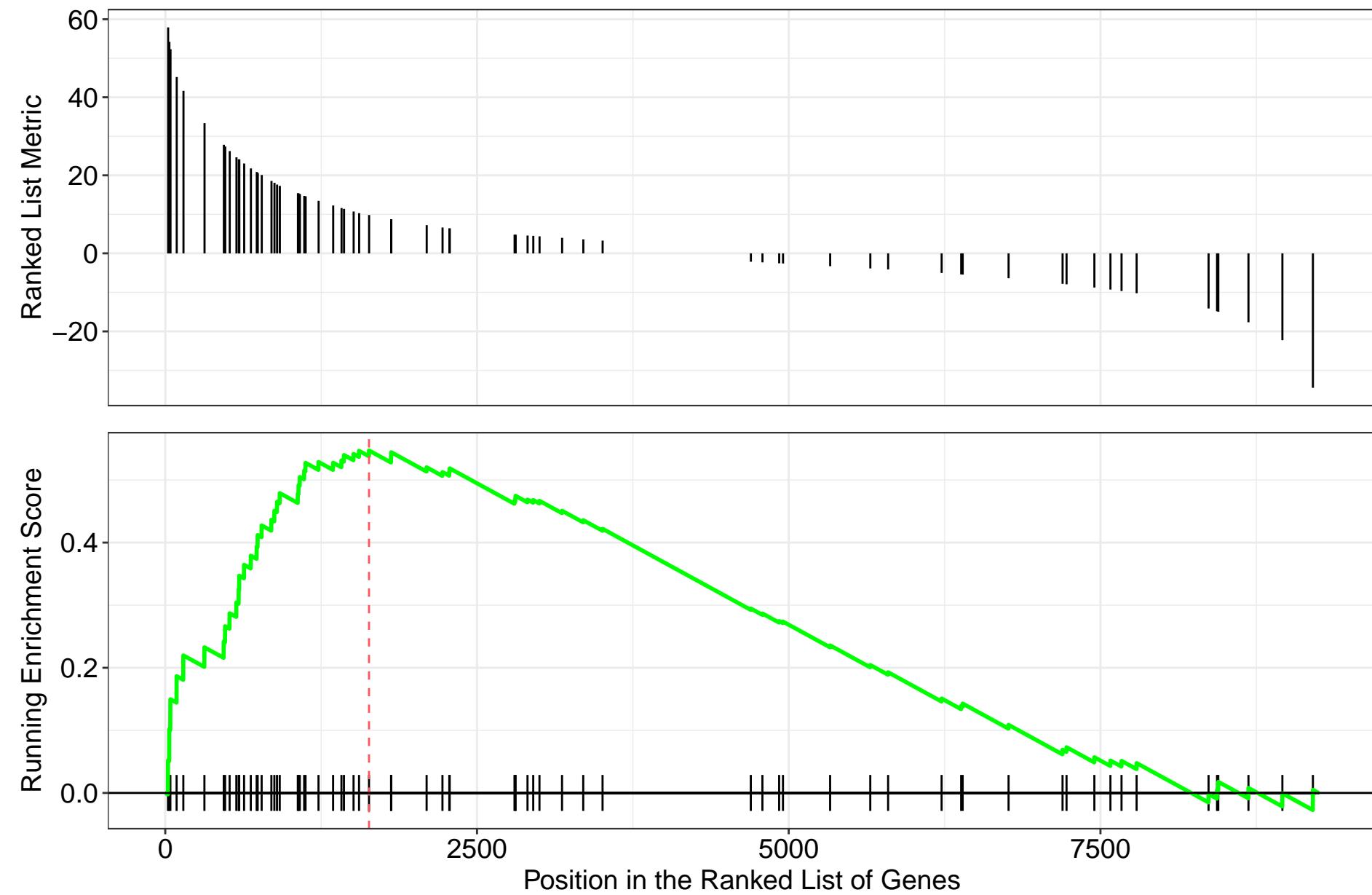
cytoskeleton–dependent cytokinesis



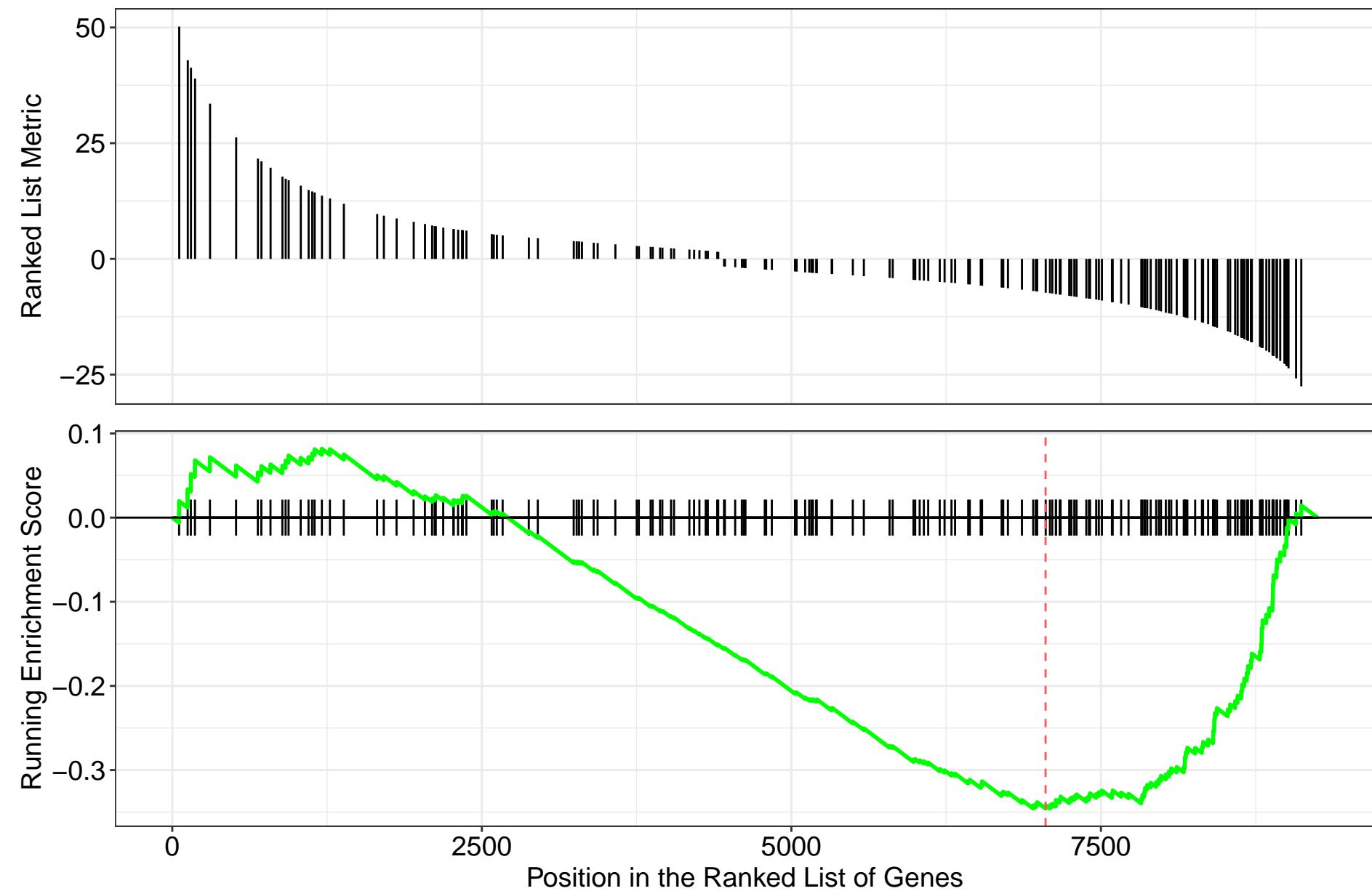
cellular response to tumor necrosis factor



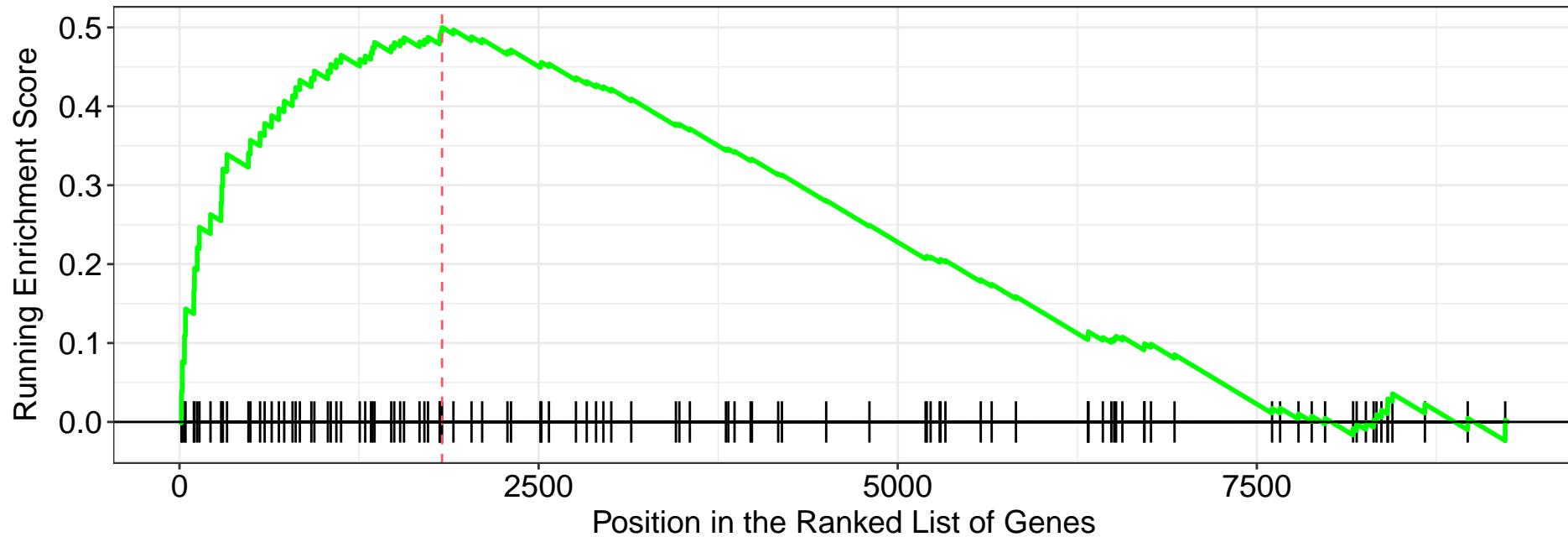
chemokine production



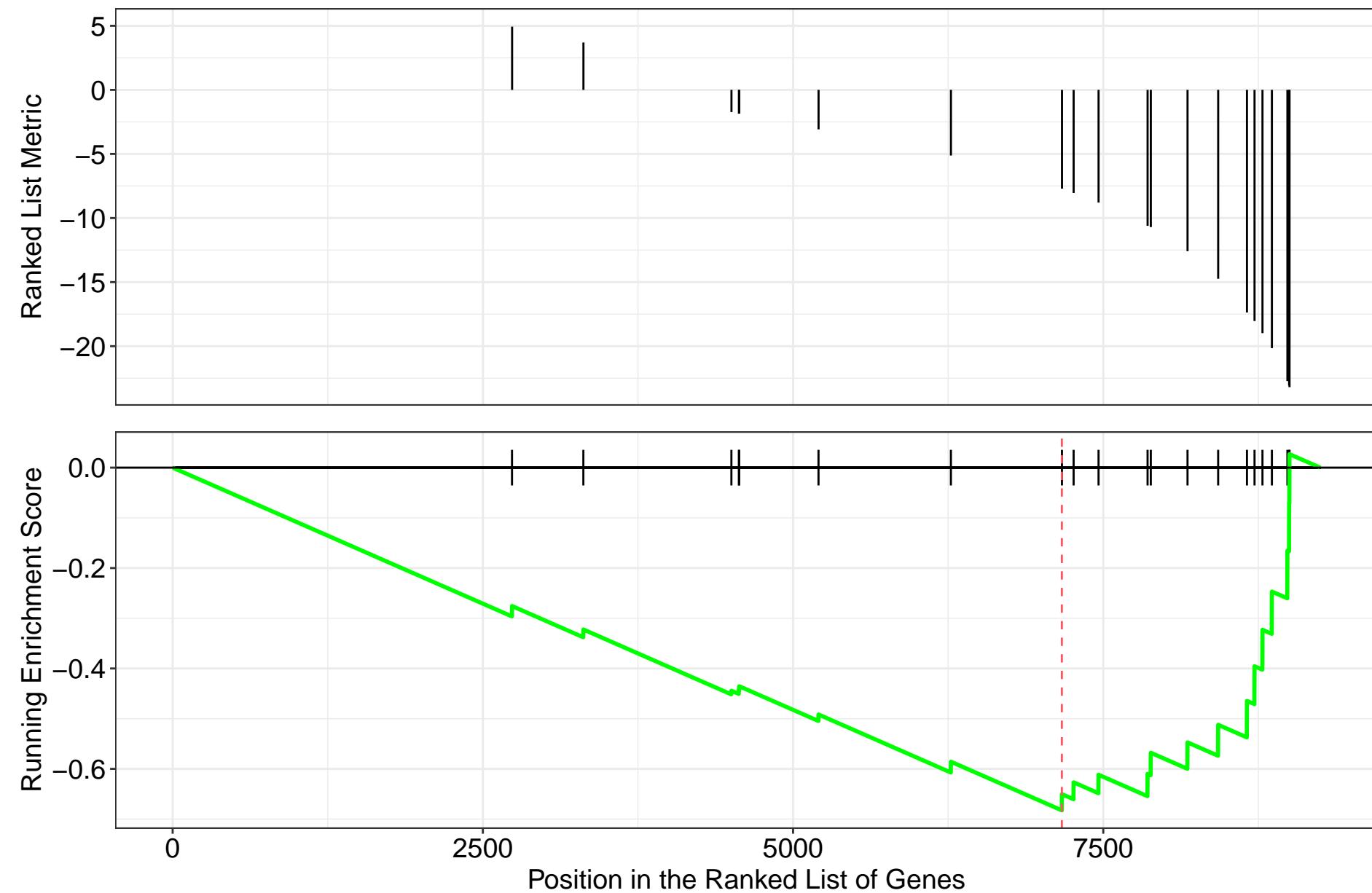
negative regulation of cell cycle process



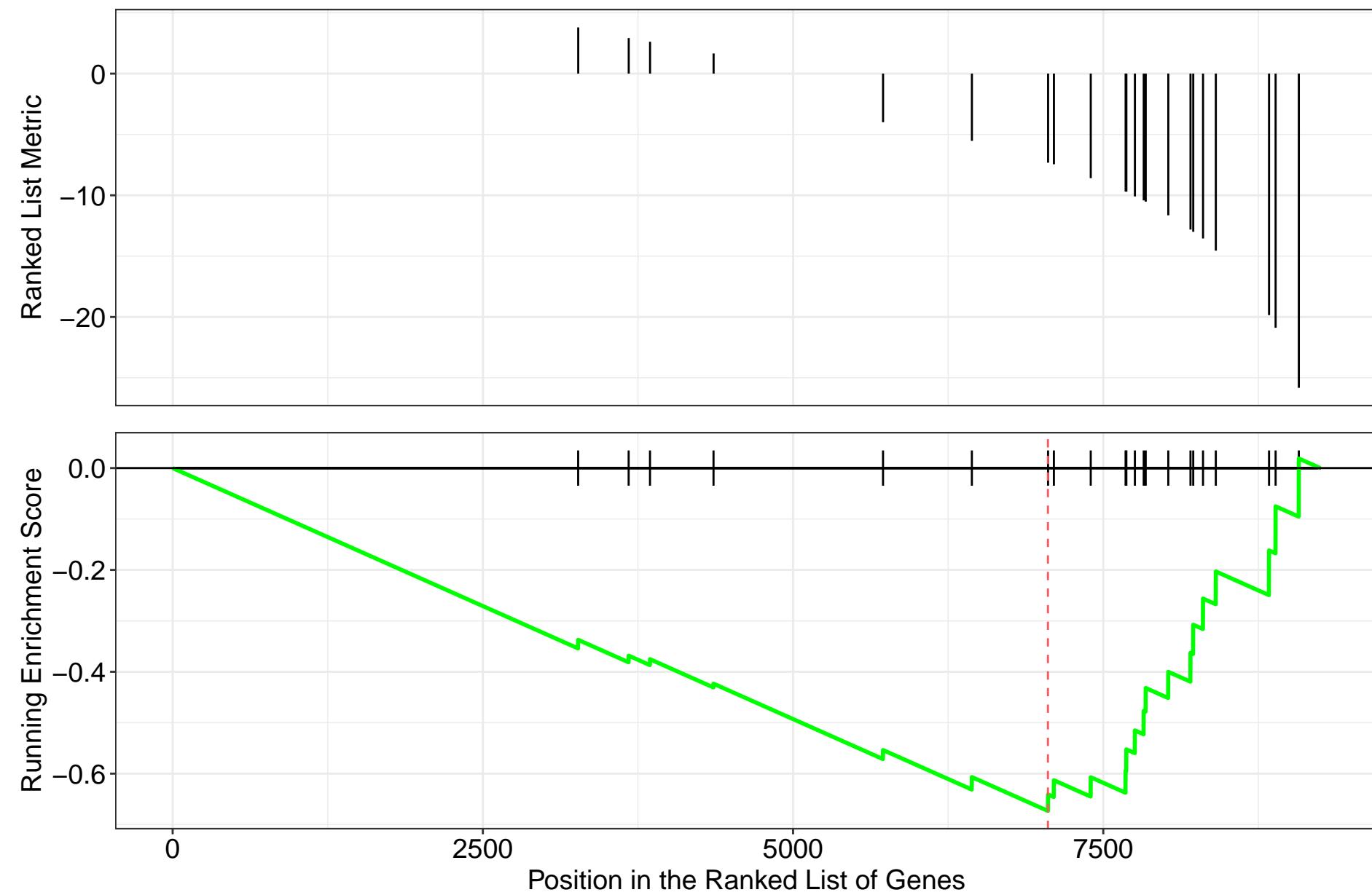
negative regulation of cell–cell adhesion



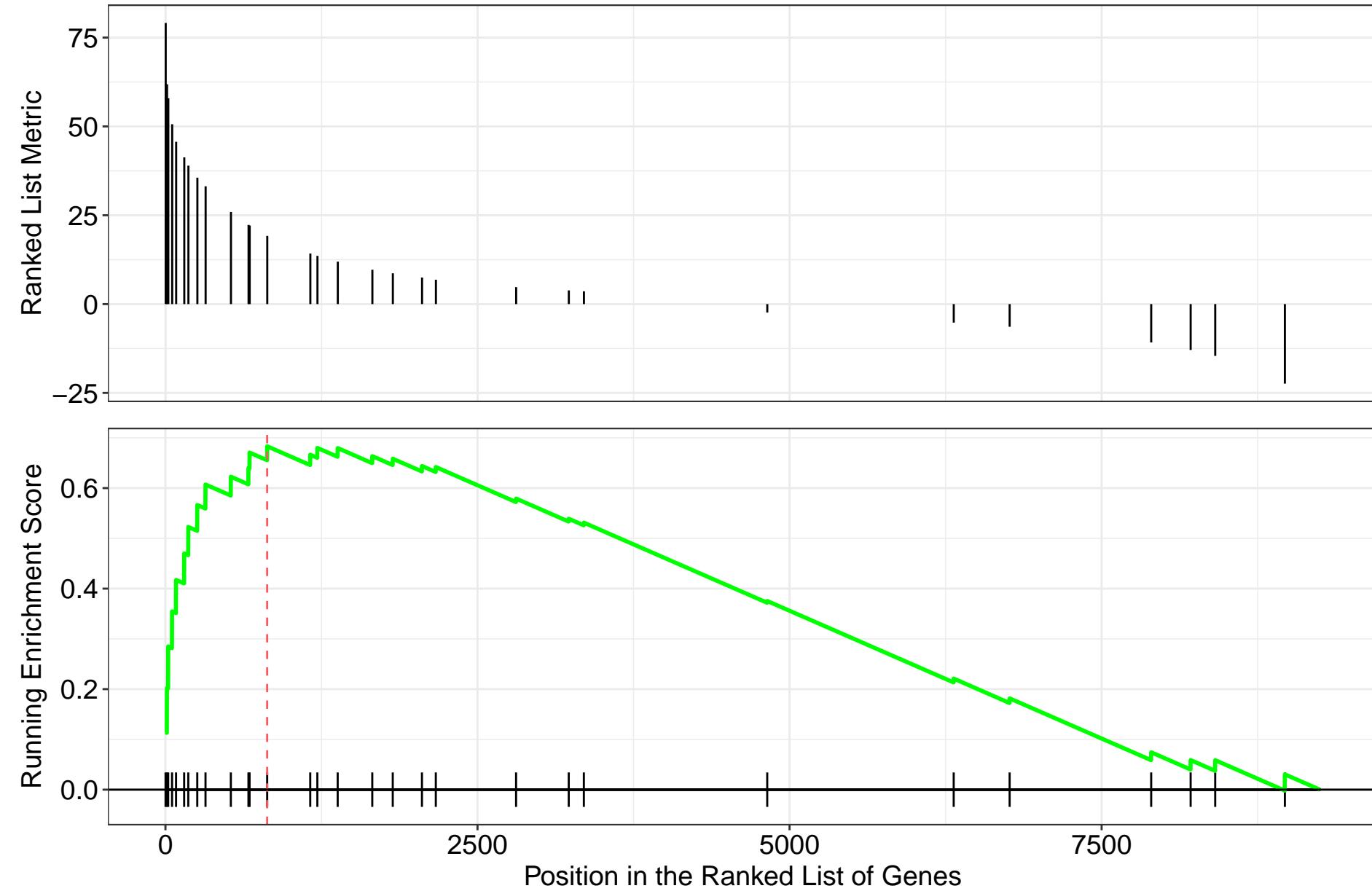
protein localization to chromosome, centromeric region



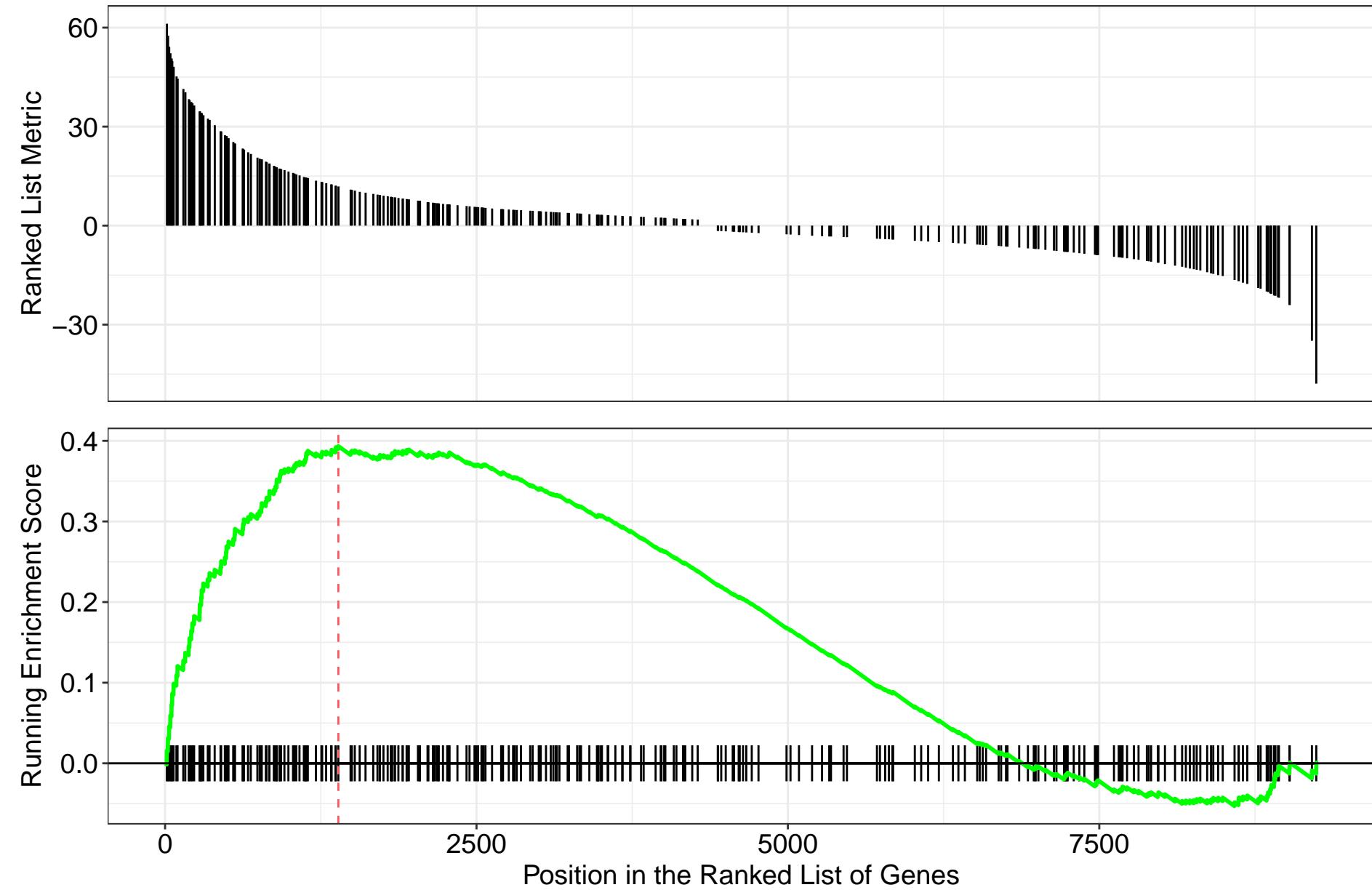
cell cycle DNA replication



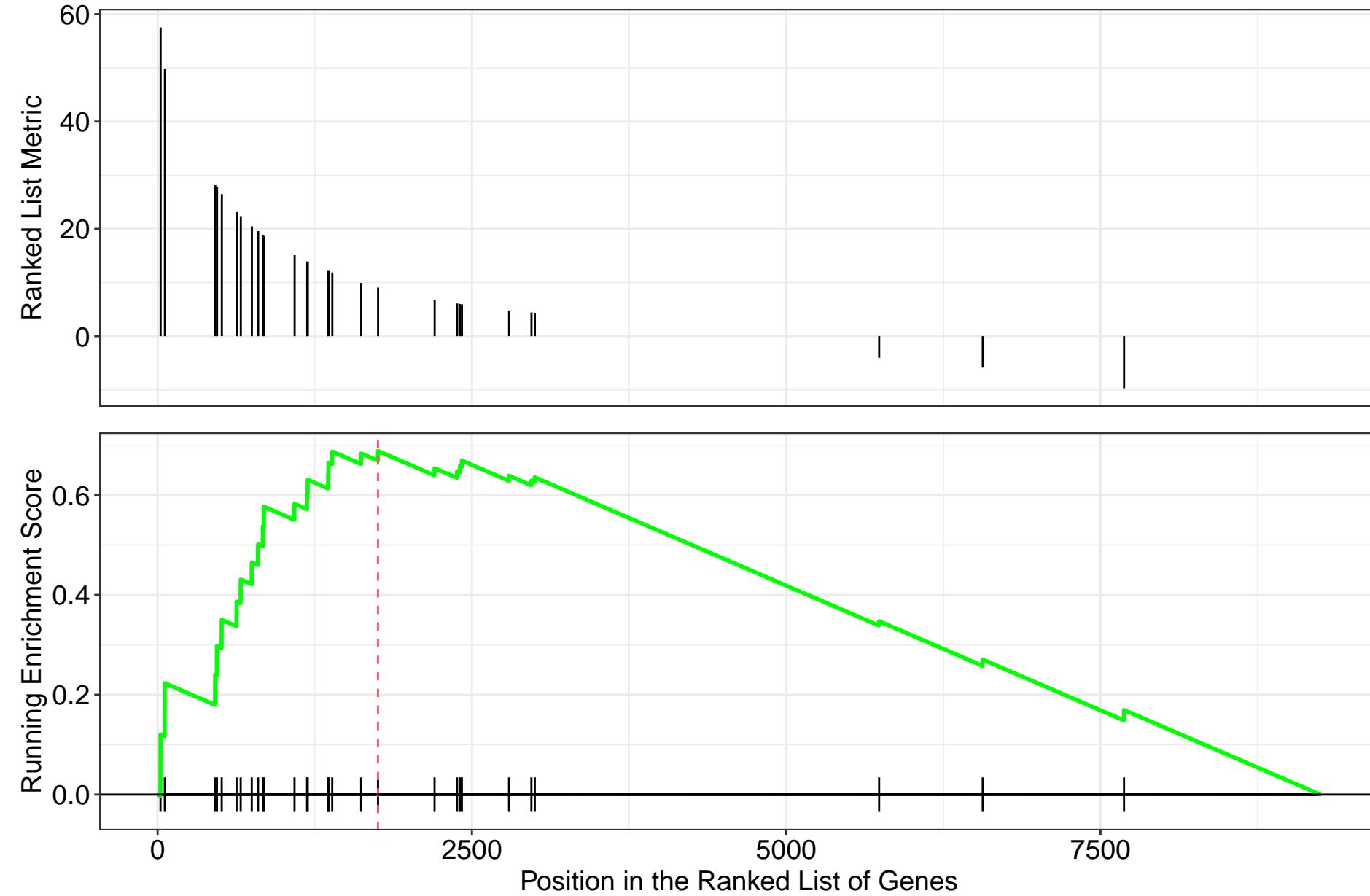
monocyte chemotaxis



mononuclear cell differentiation

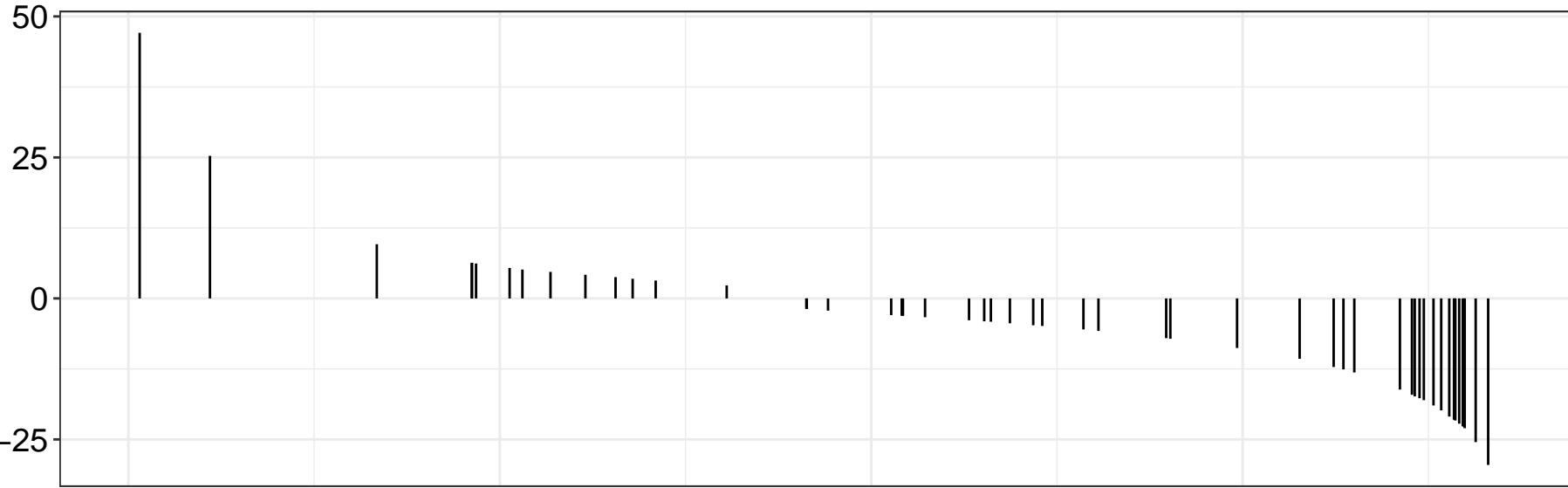


positive regulation of T cell mediated cytotoxicity



chromosome localization

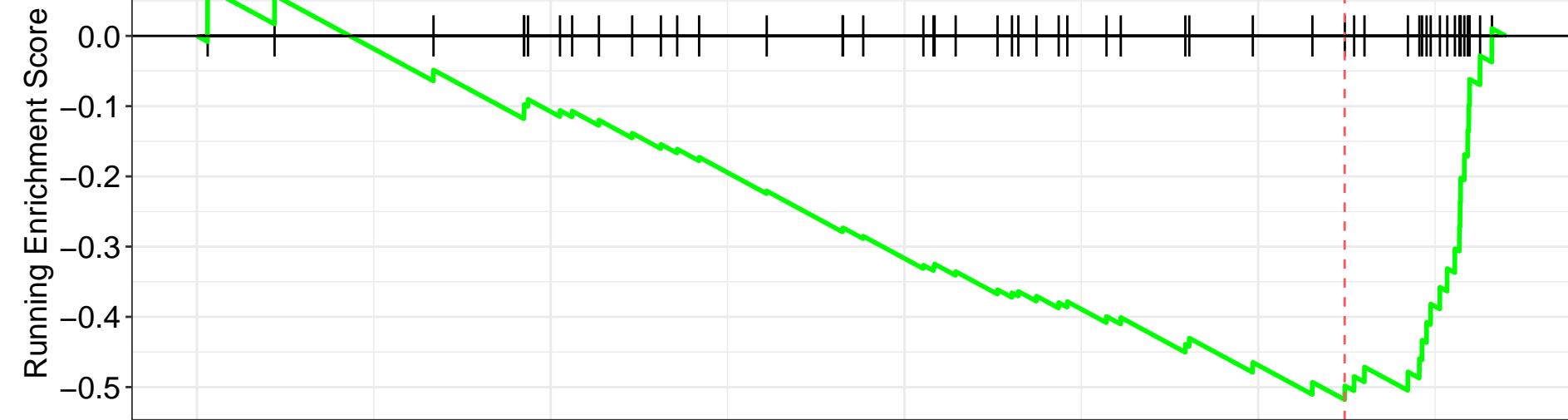
Ranked List Metric



Running Enrichment Score

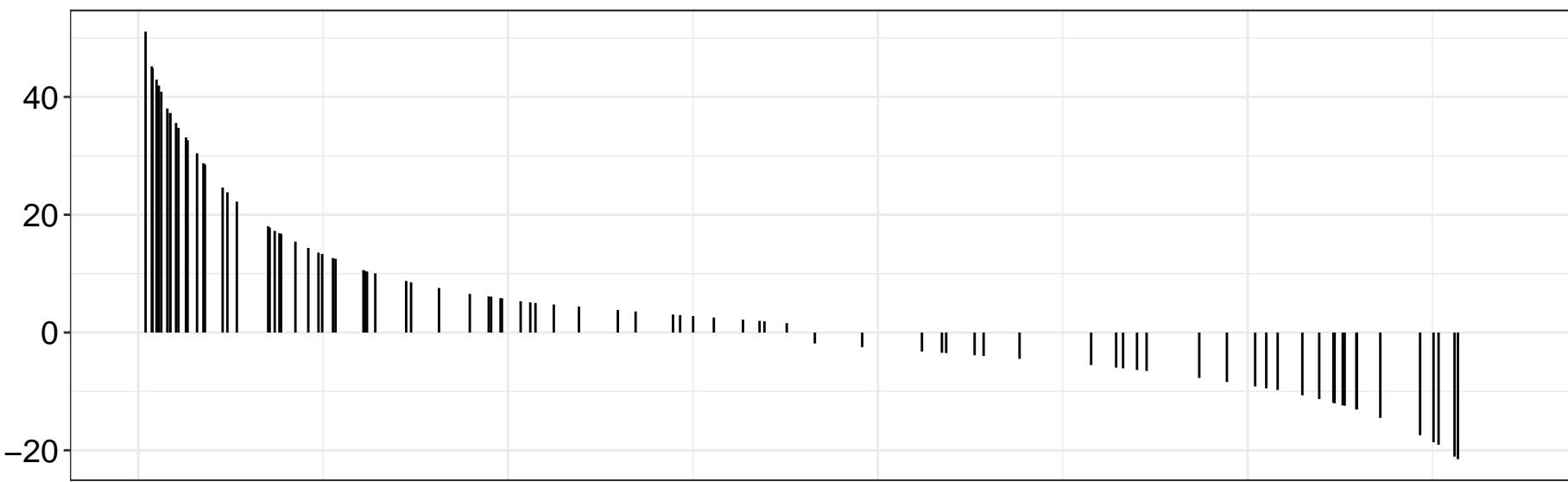
0 2500 5000 7500

Position in the Ranked List of Genes



negative regulation of peptidase activity

Ranked List Metric



Running Enrichment Score

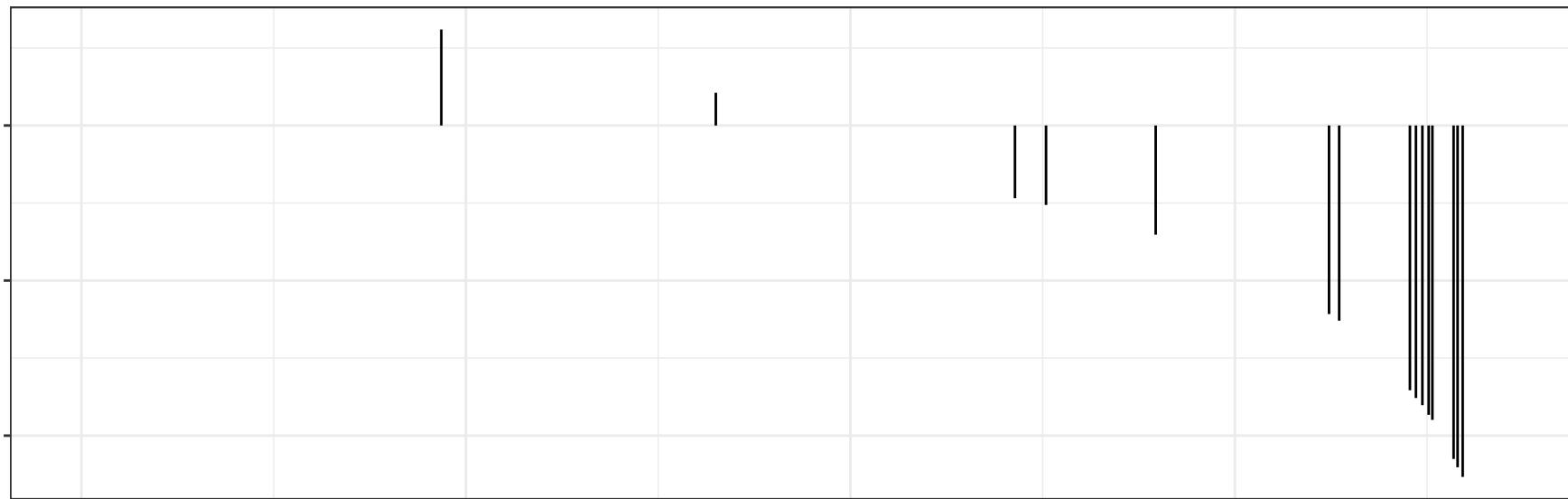
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Position in the Ranked List of Genes



regulation of attachment of spindle microtubules to kinetochore

Ranked List Metric



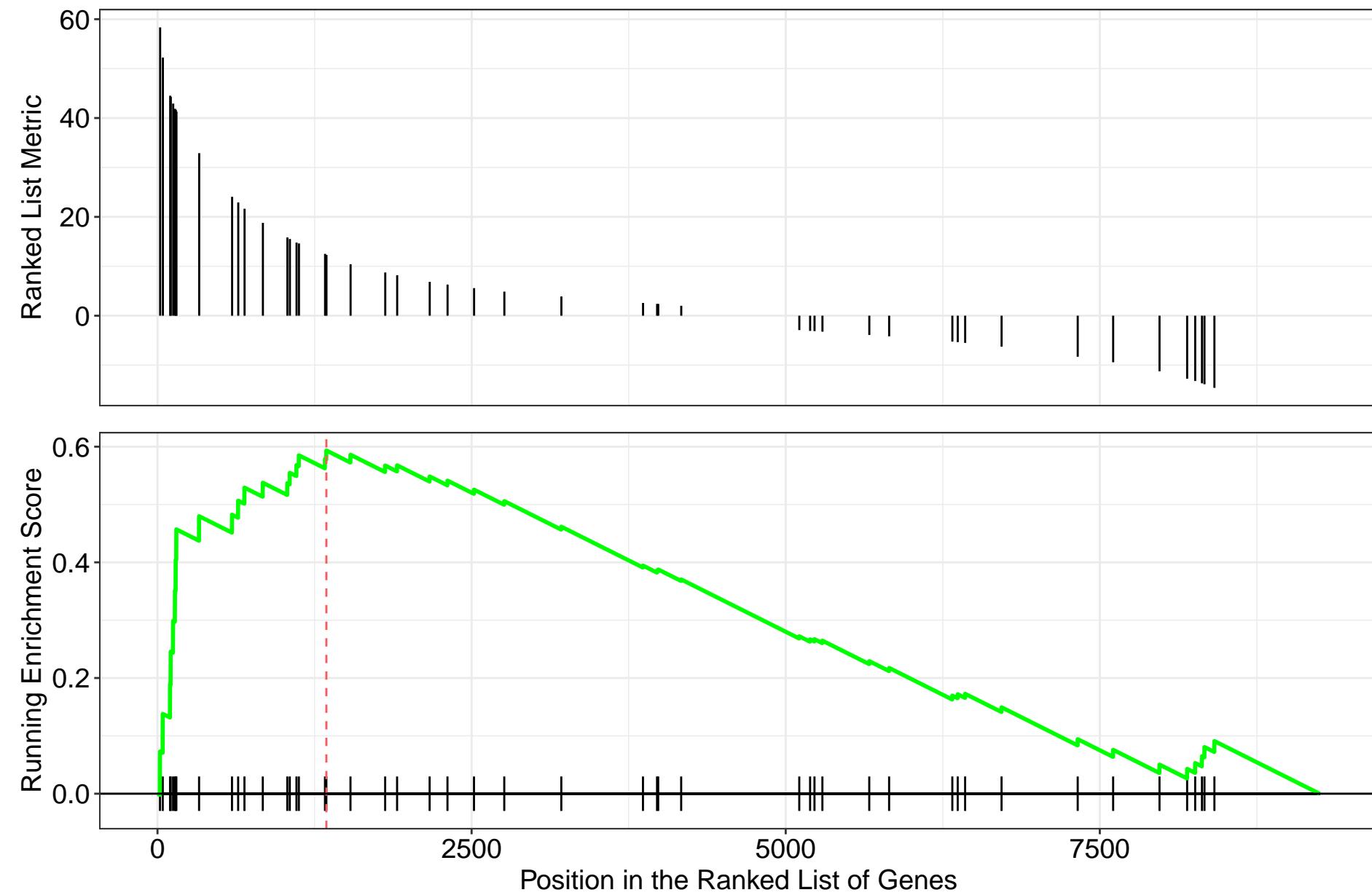
Running Enrichment Score

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Position in the Ranked List of Genes

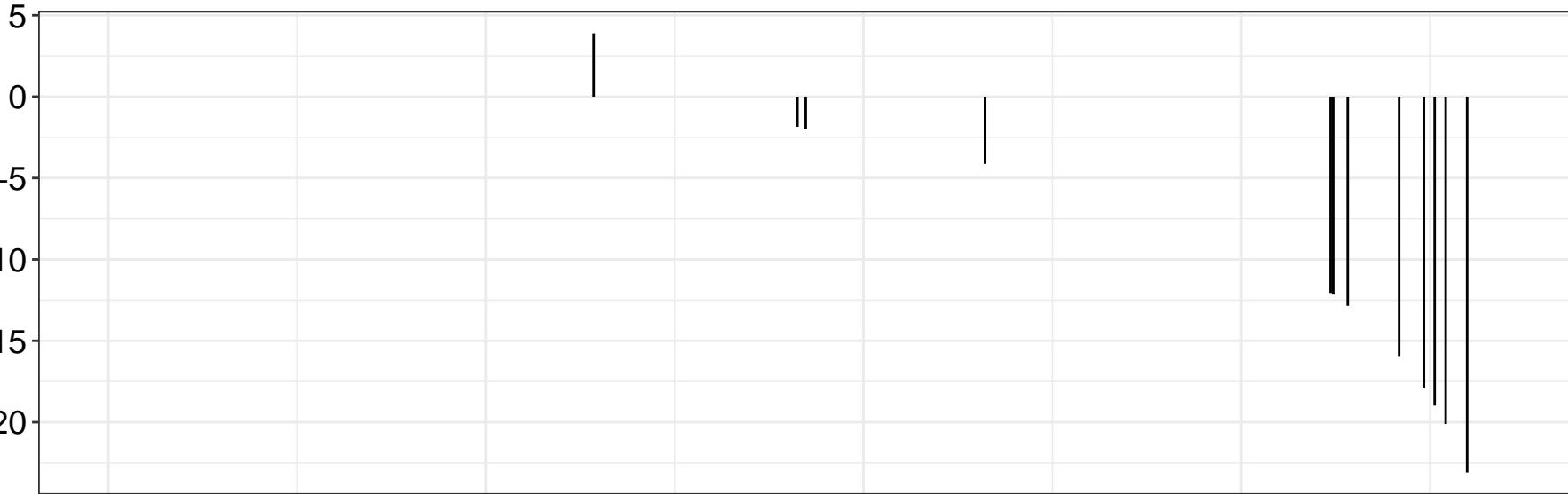


negative regulation of leukocyte proliferation



kinetochore assembly

Ranked List Metric



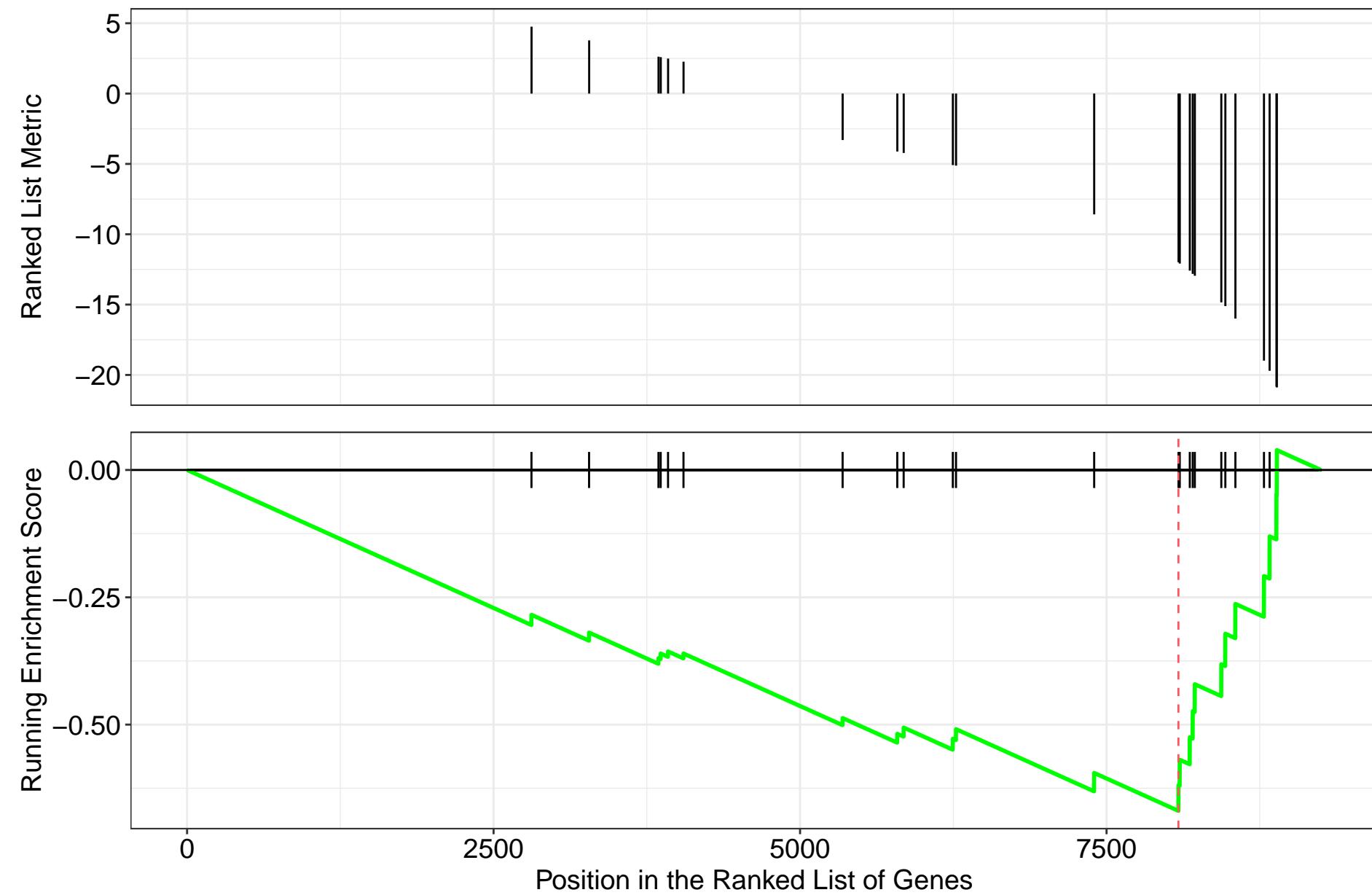
Running Enrichment Score

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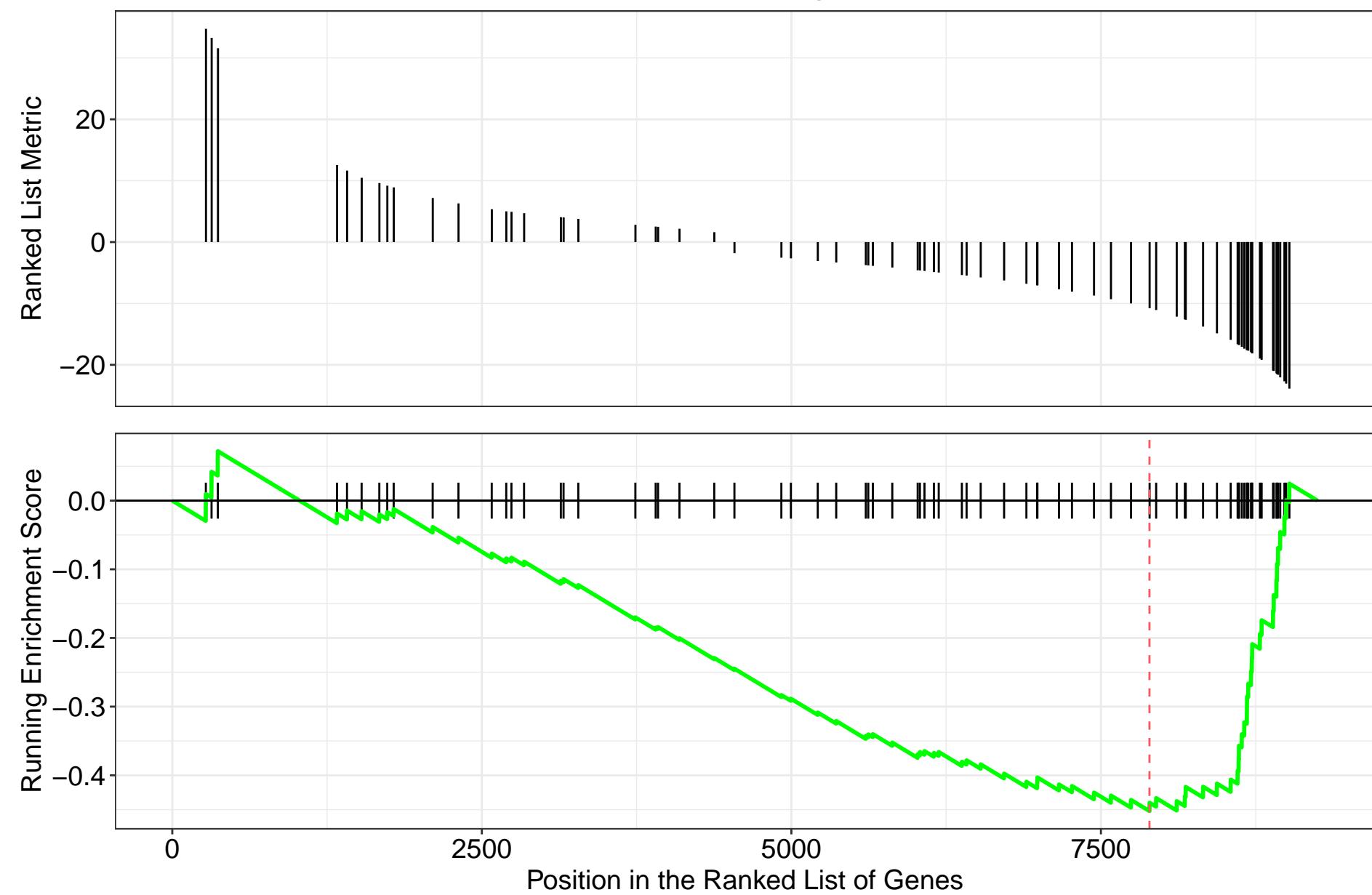
Position in the Ranked List of Genes



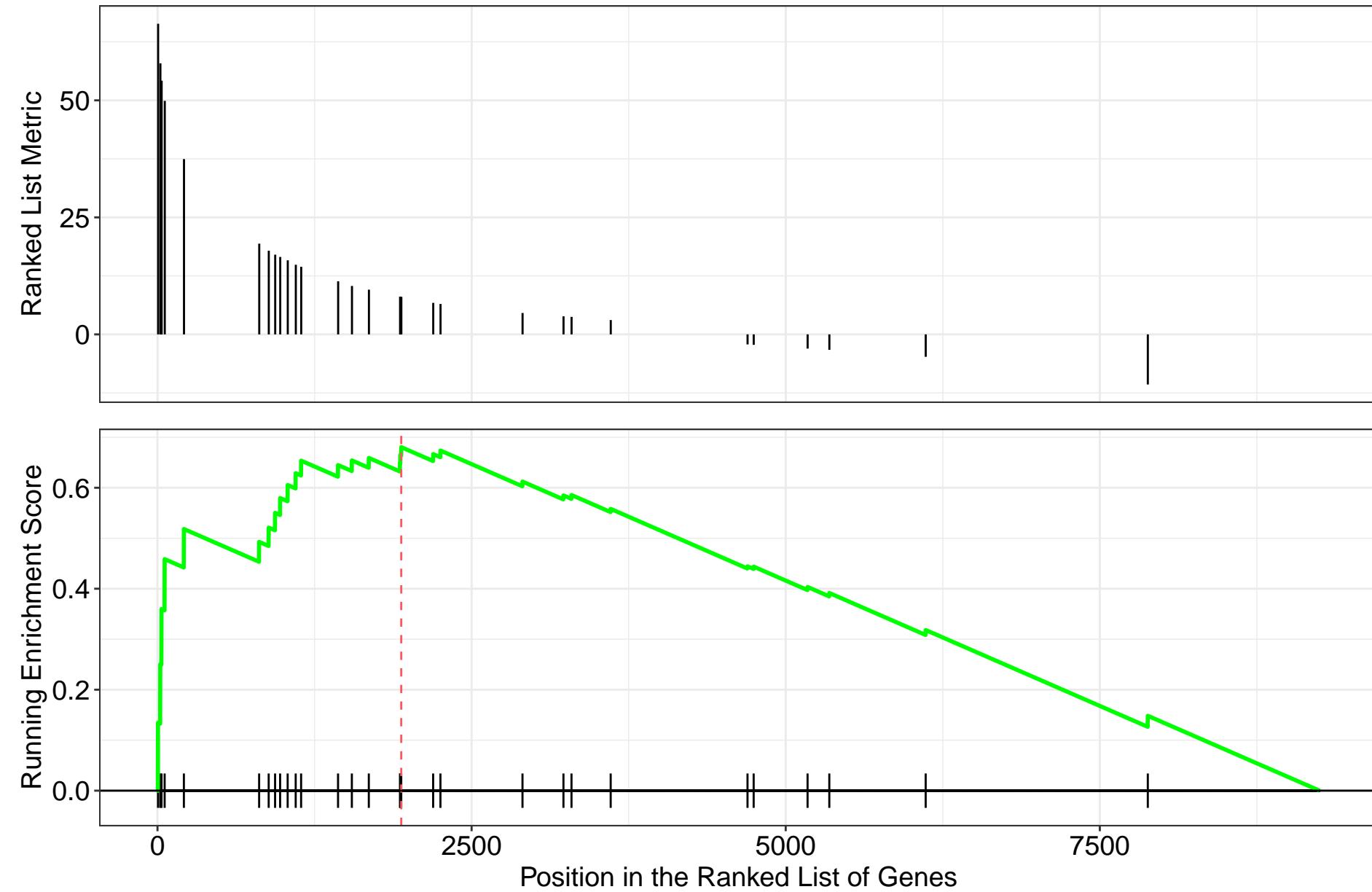
positive regulation of cell cycle G2/M phase transition



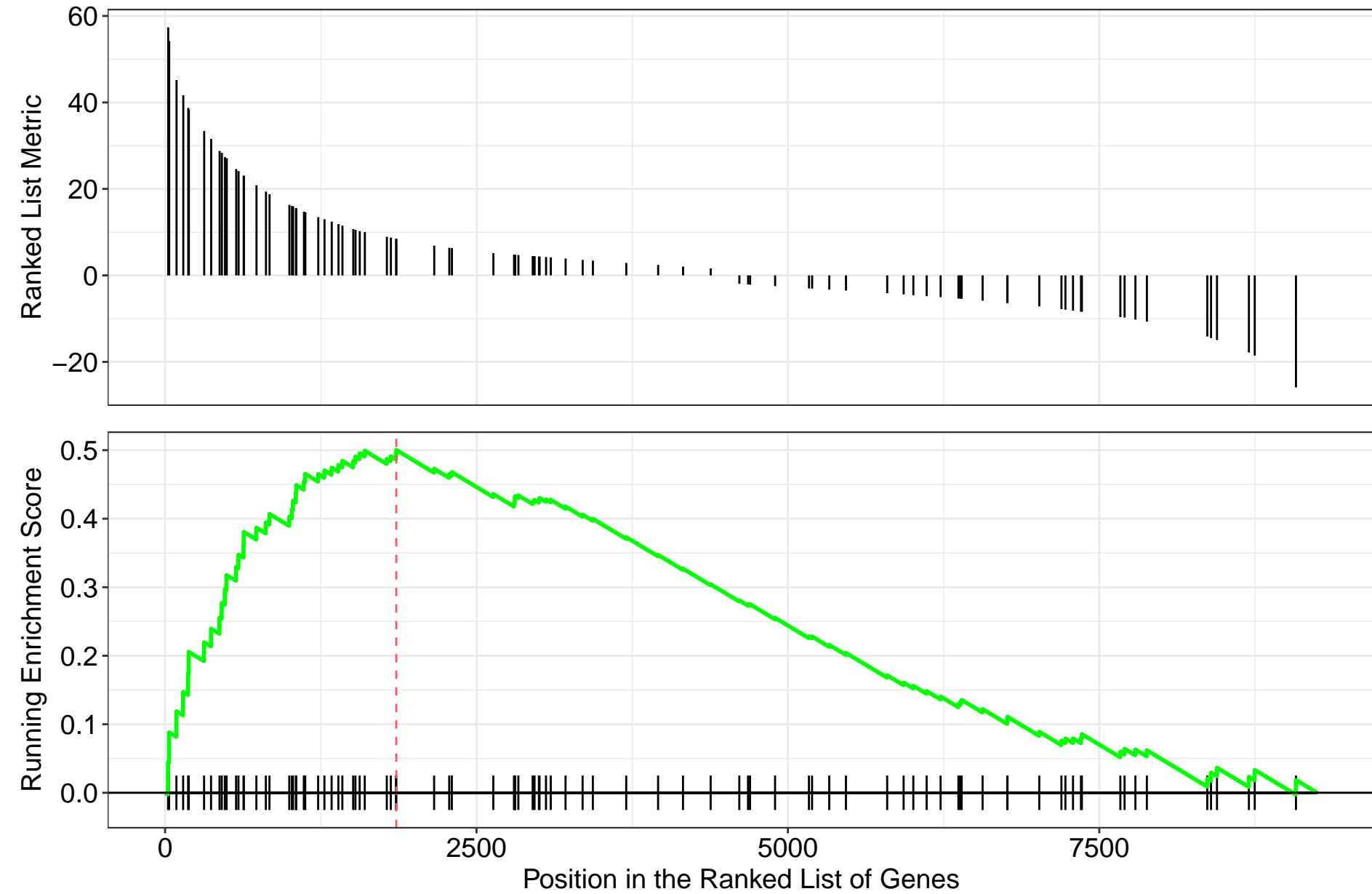
mitotic spindle organization



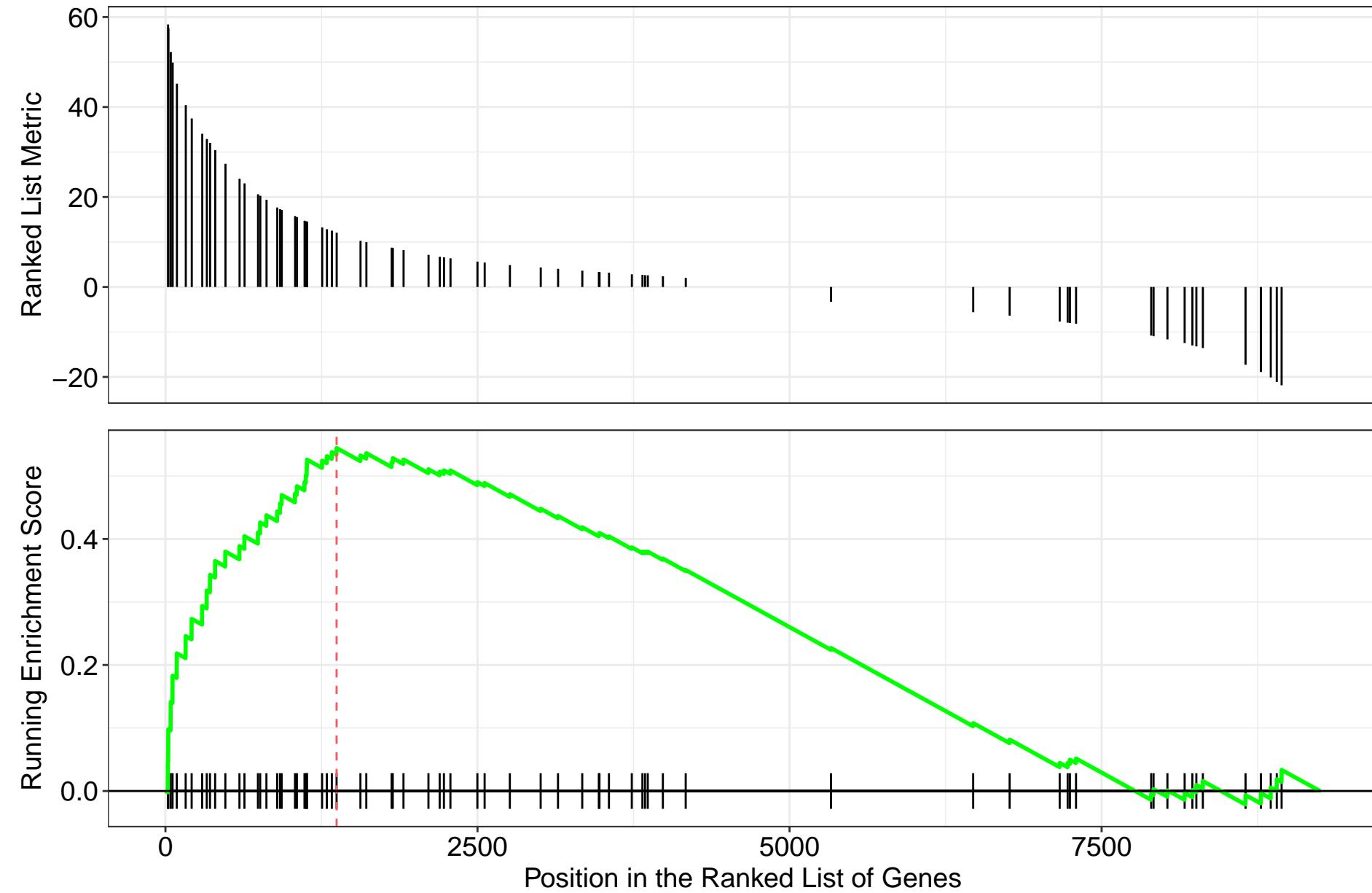
regulation of defense response to virus by host



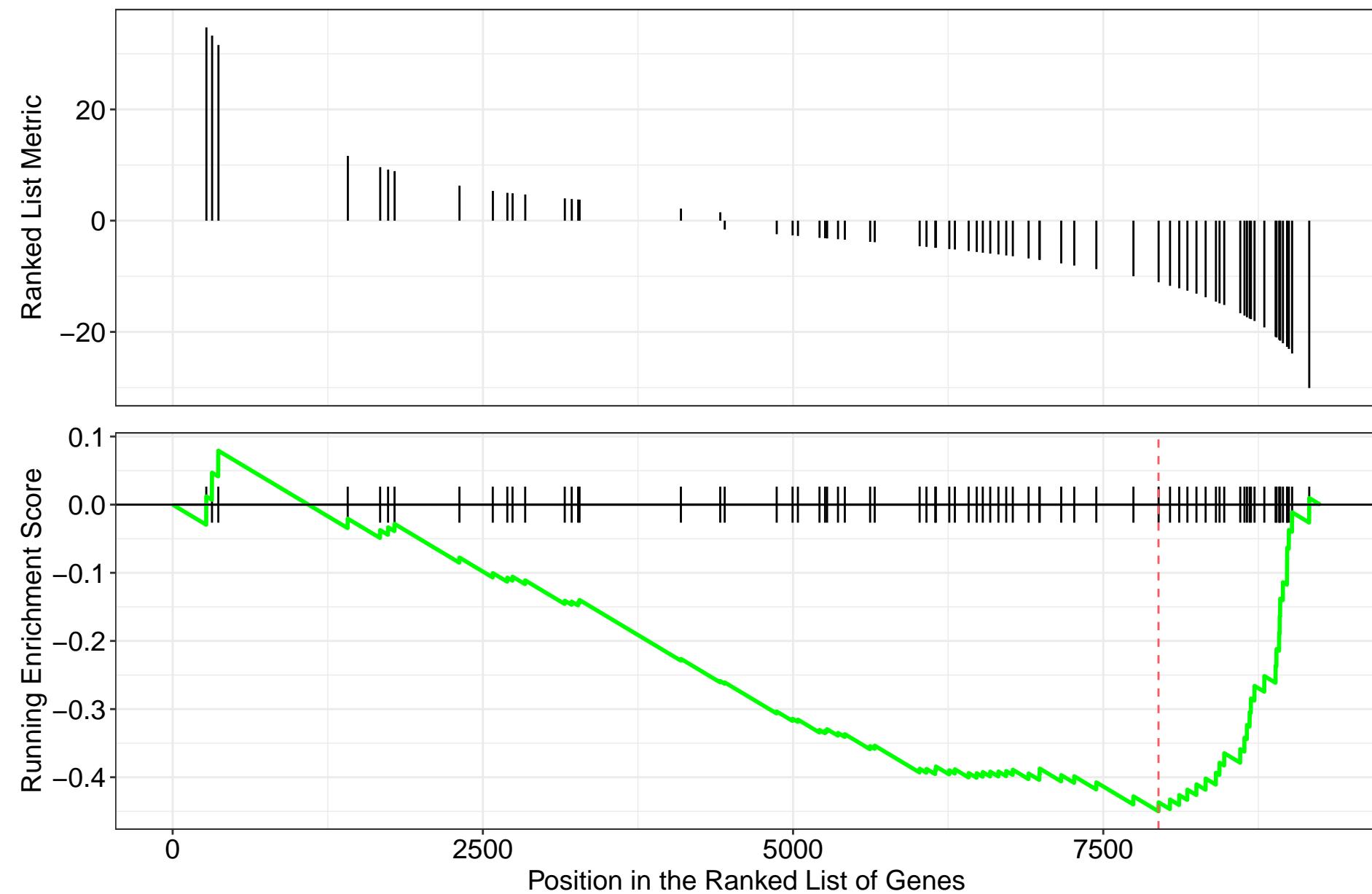
regulation of interleukin–6 production



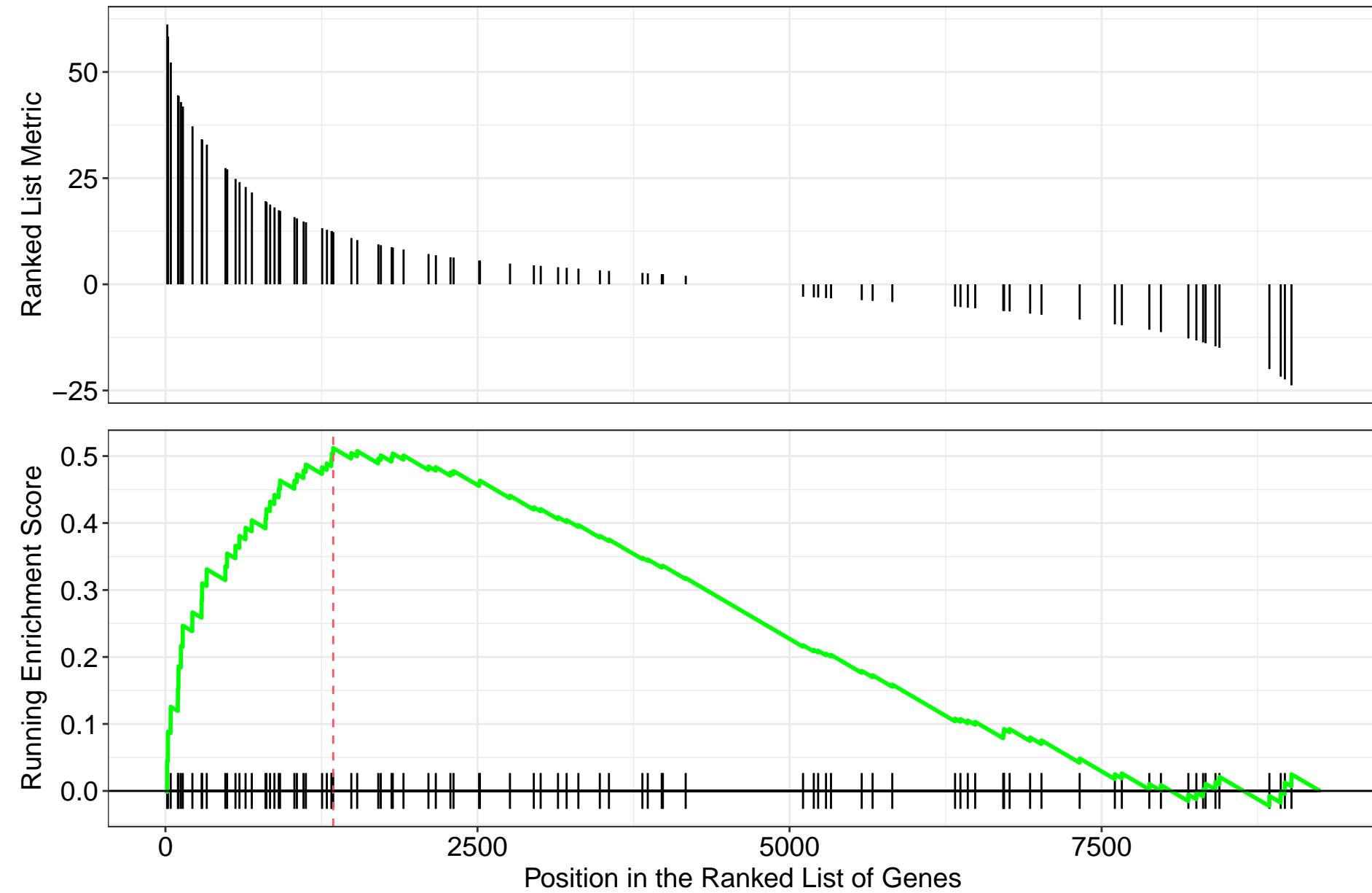
CD4-positive, alpha–beta T cell activation



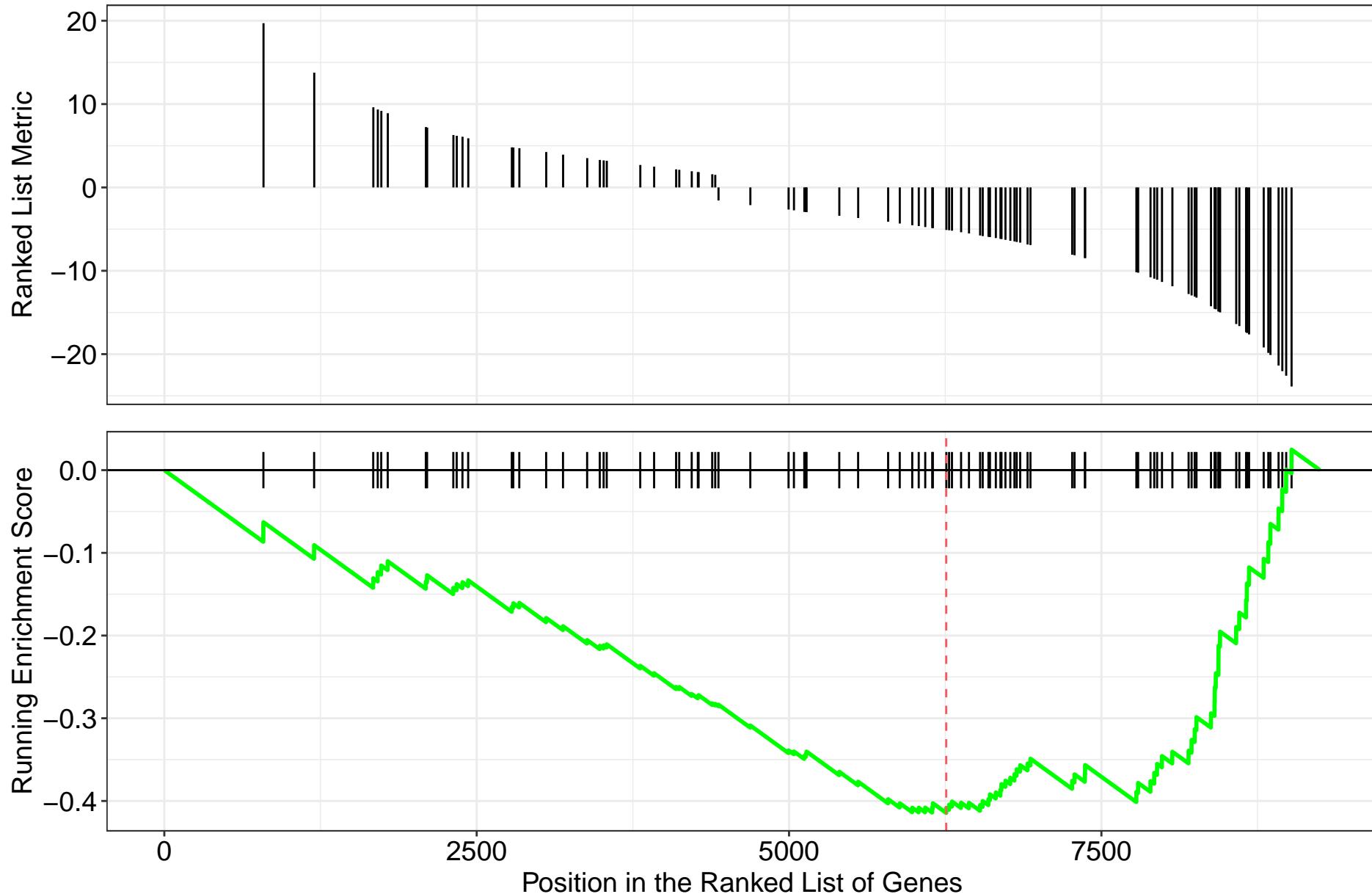
spindle assembly



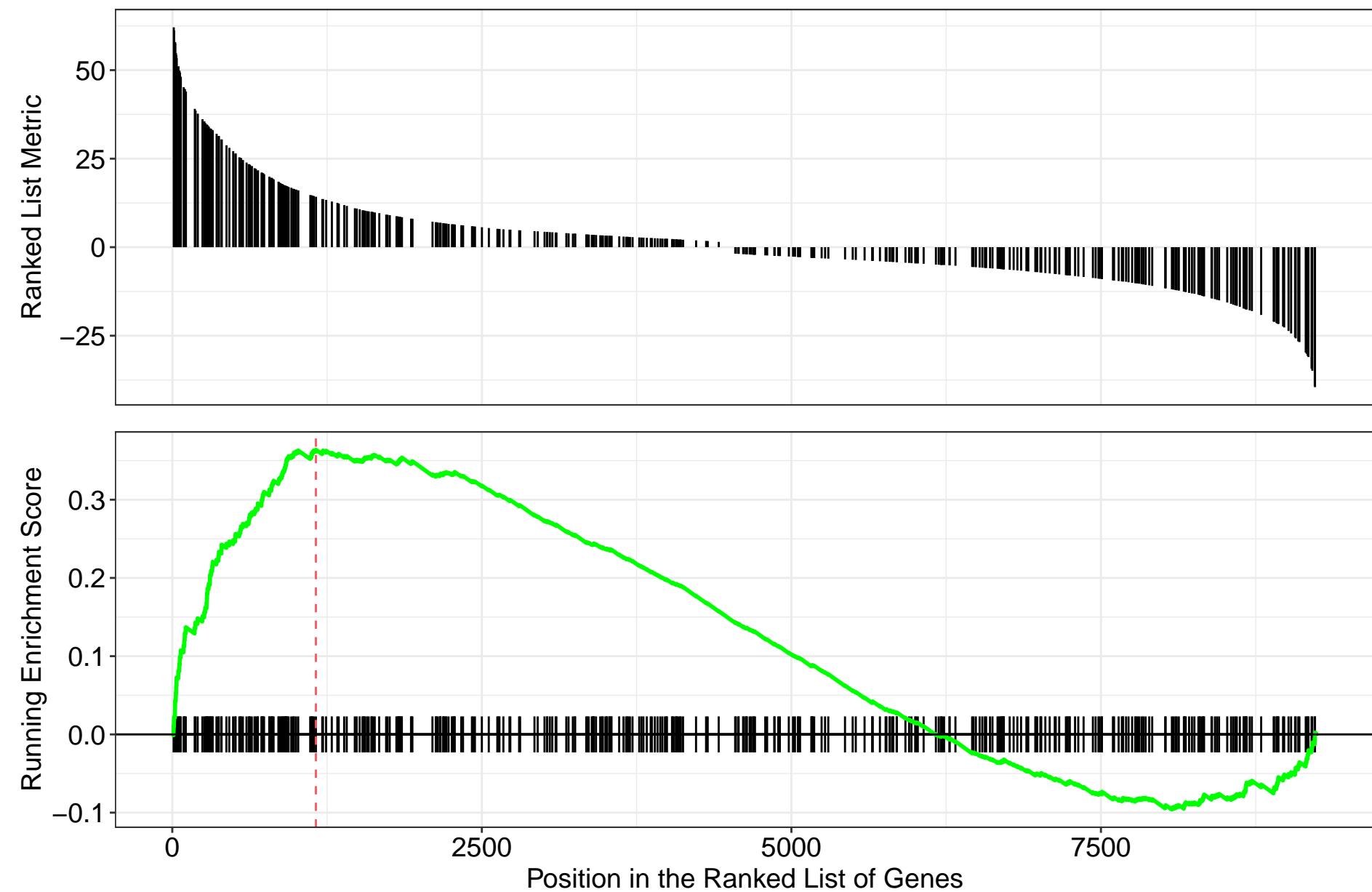
negative regulation of lymphocyte activation



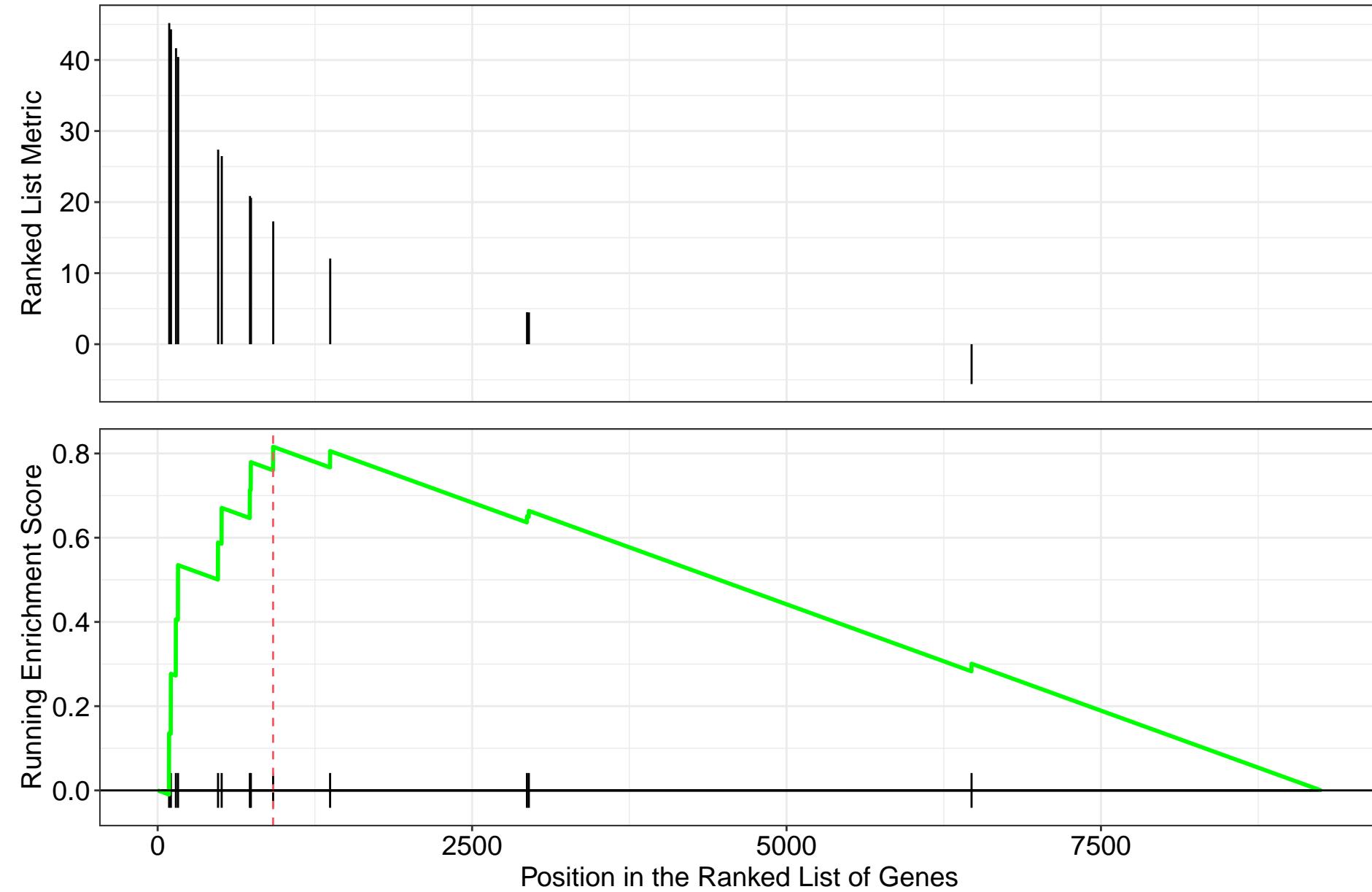
microtubule organizing center organization



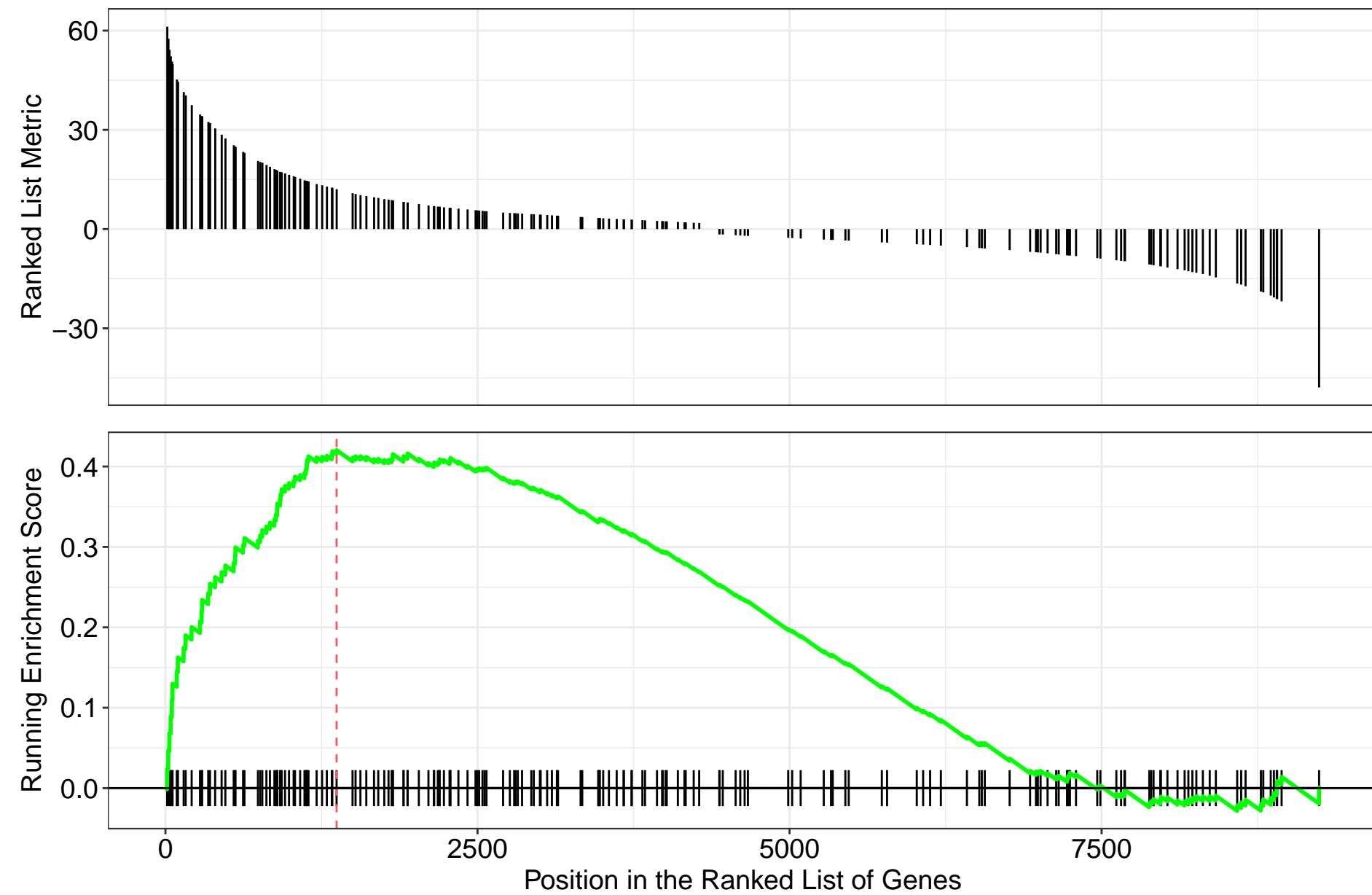
positive regulation of phosphorylation



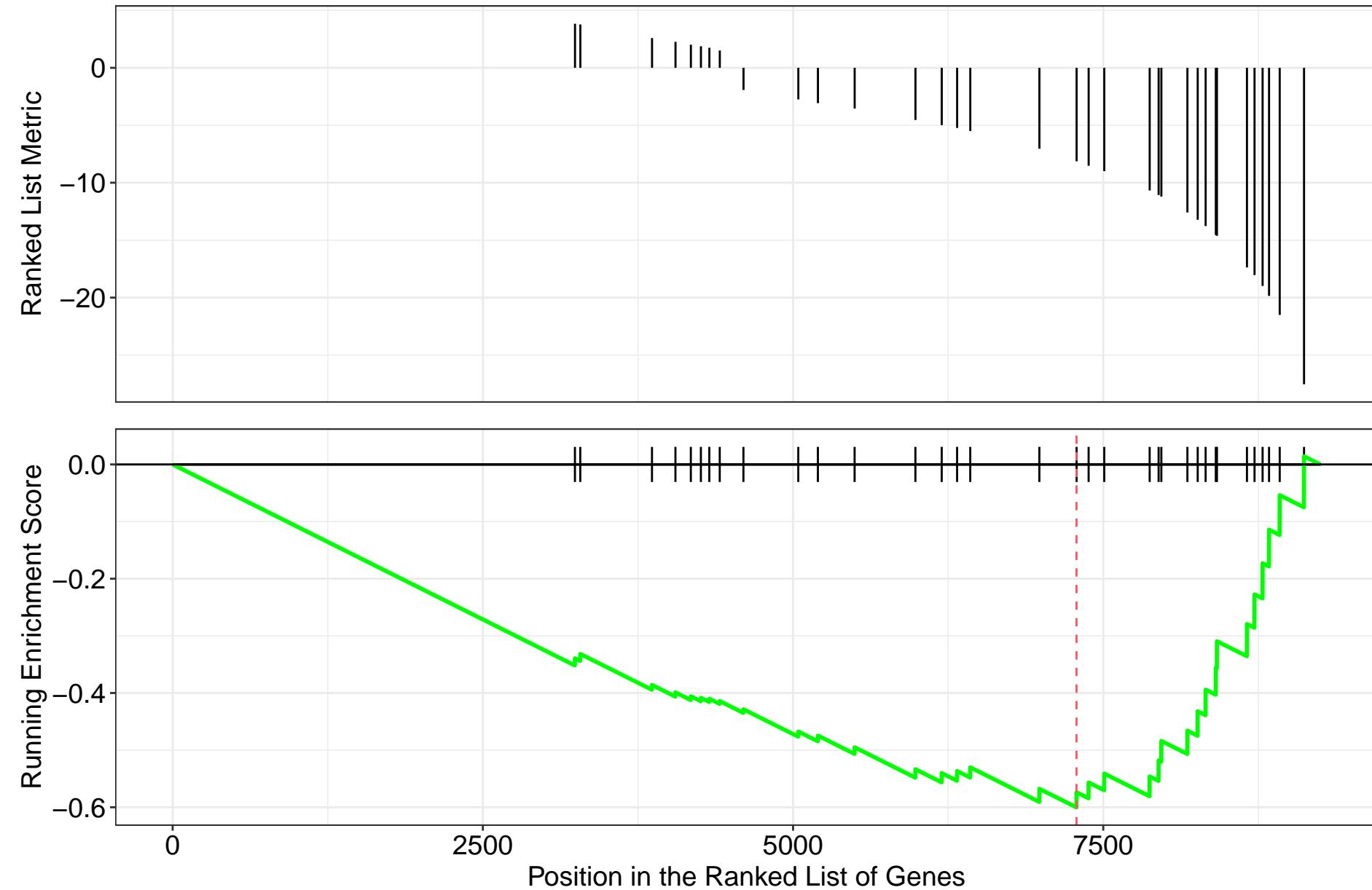
positive regulation of type 2 immune response



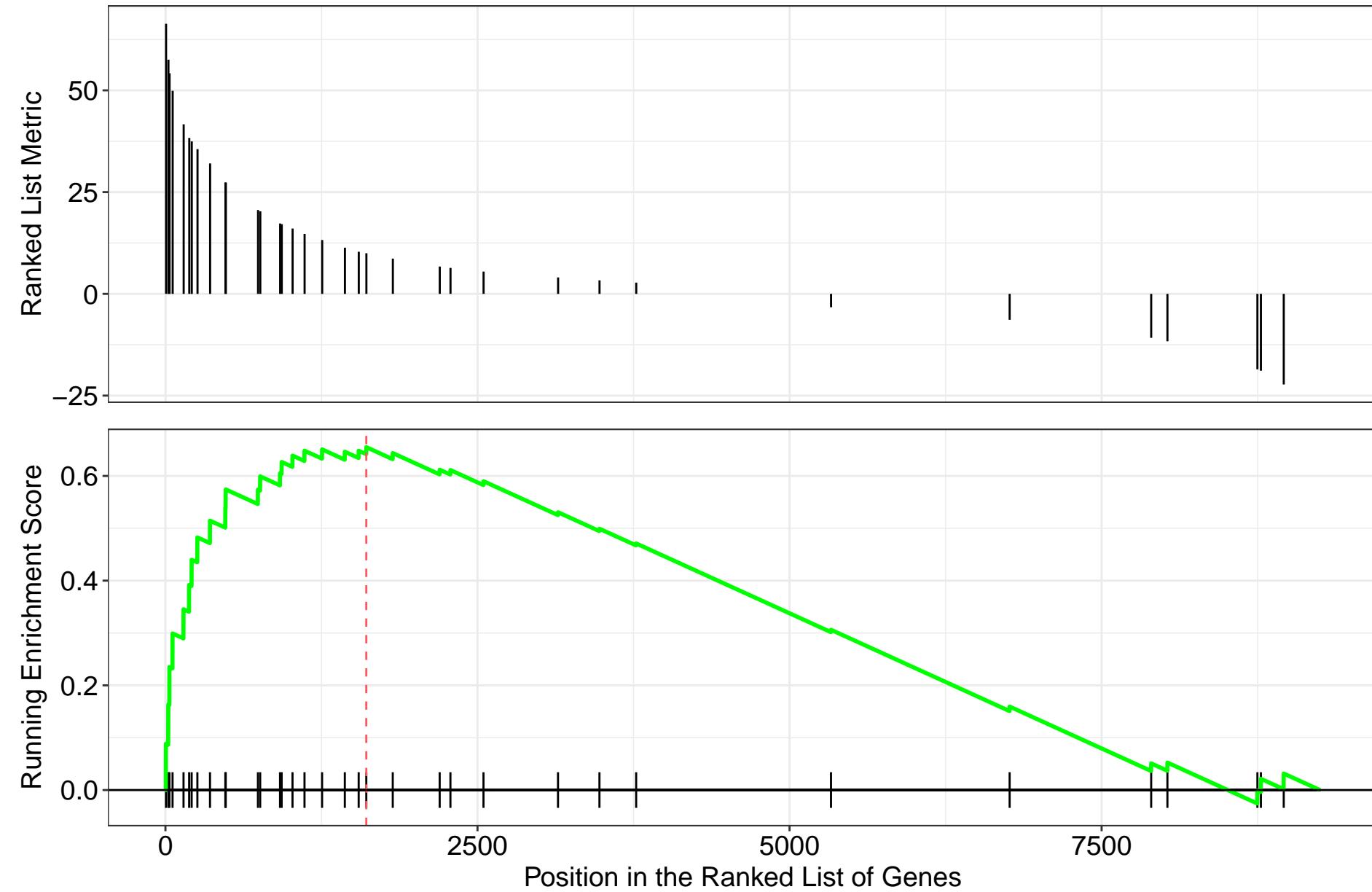
T cell differentiation



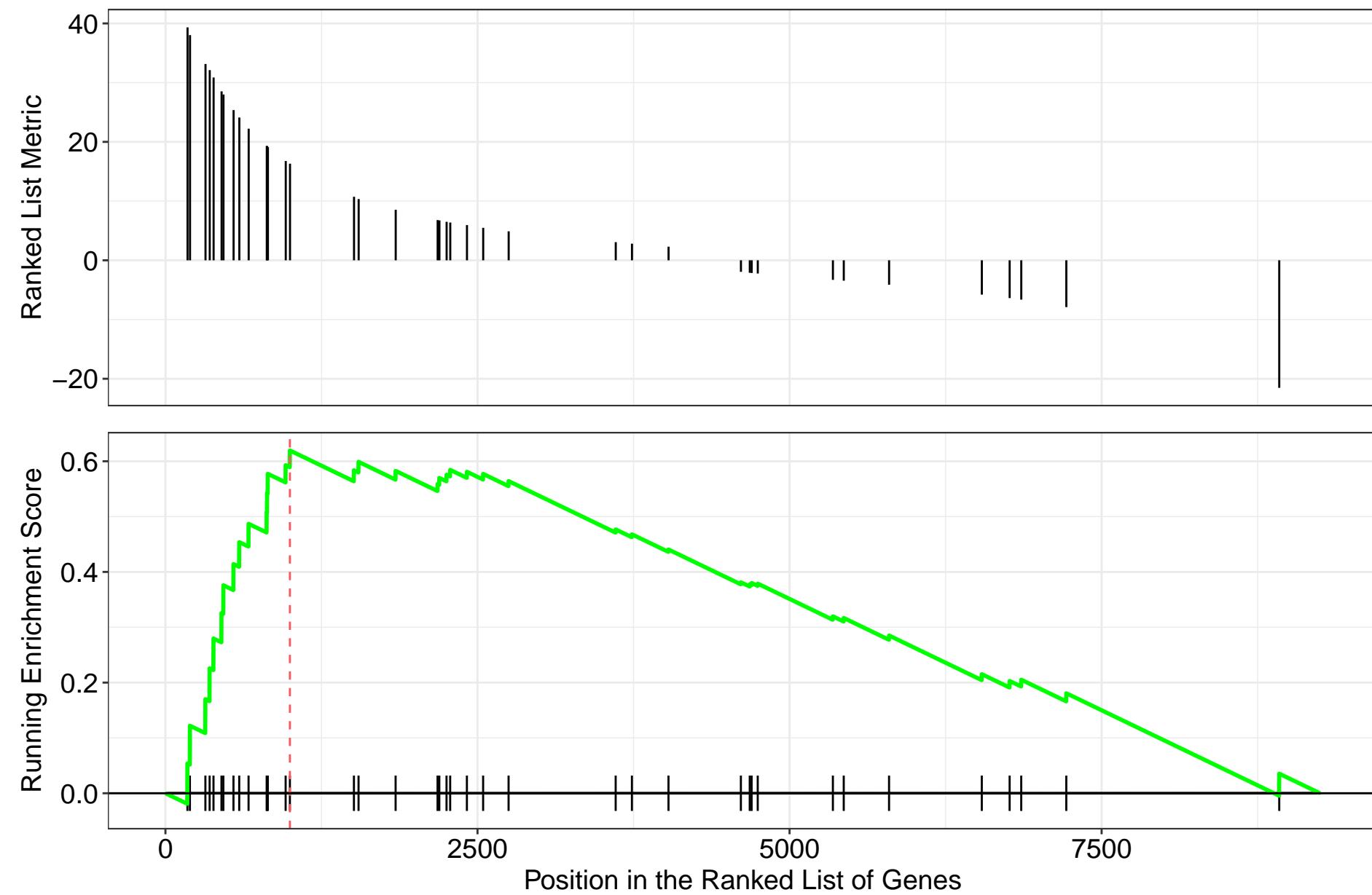
regulation of cell cycle checkpoint



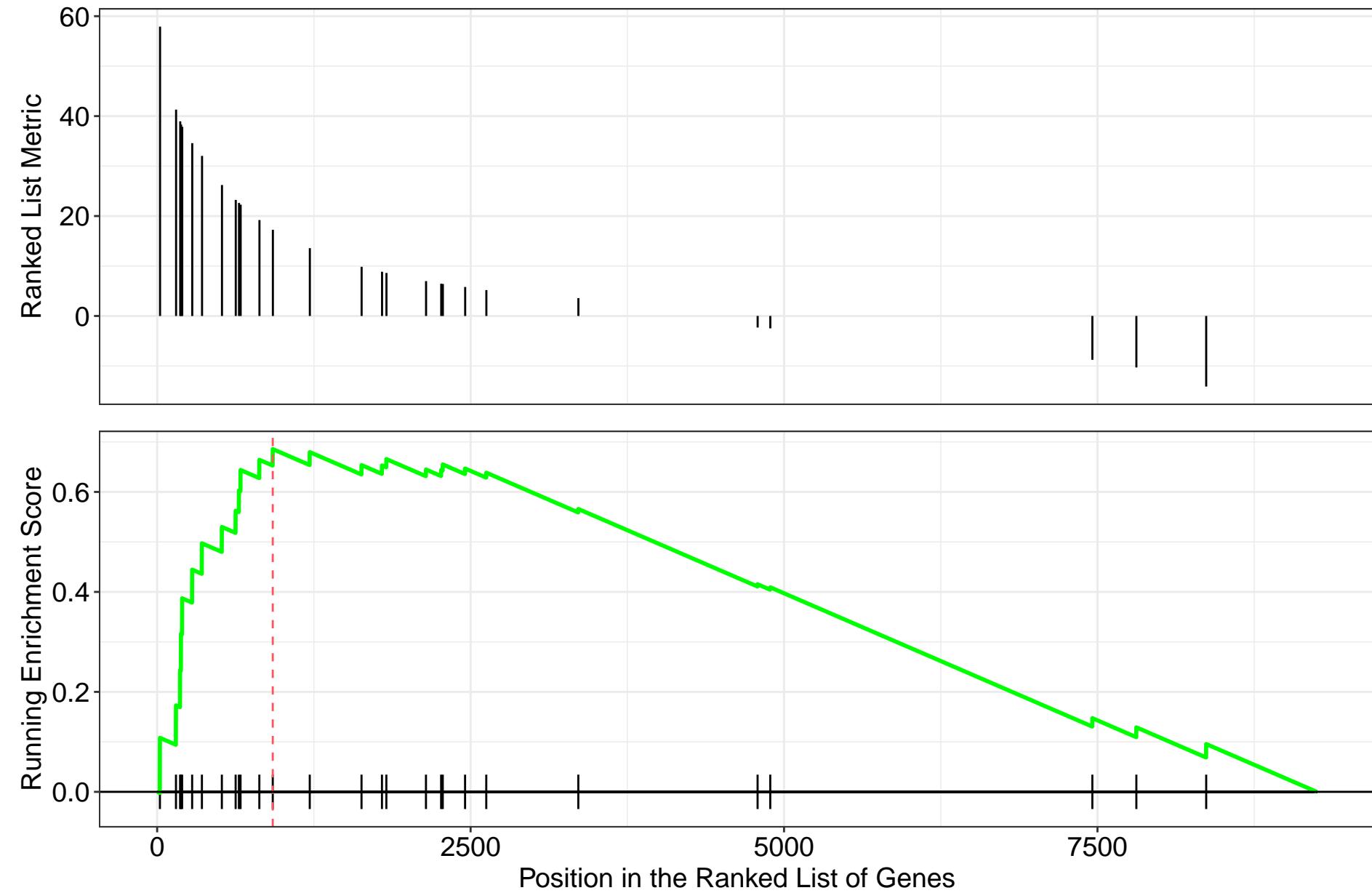
T-helper 1 type immune response



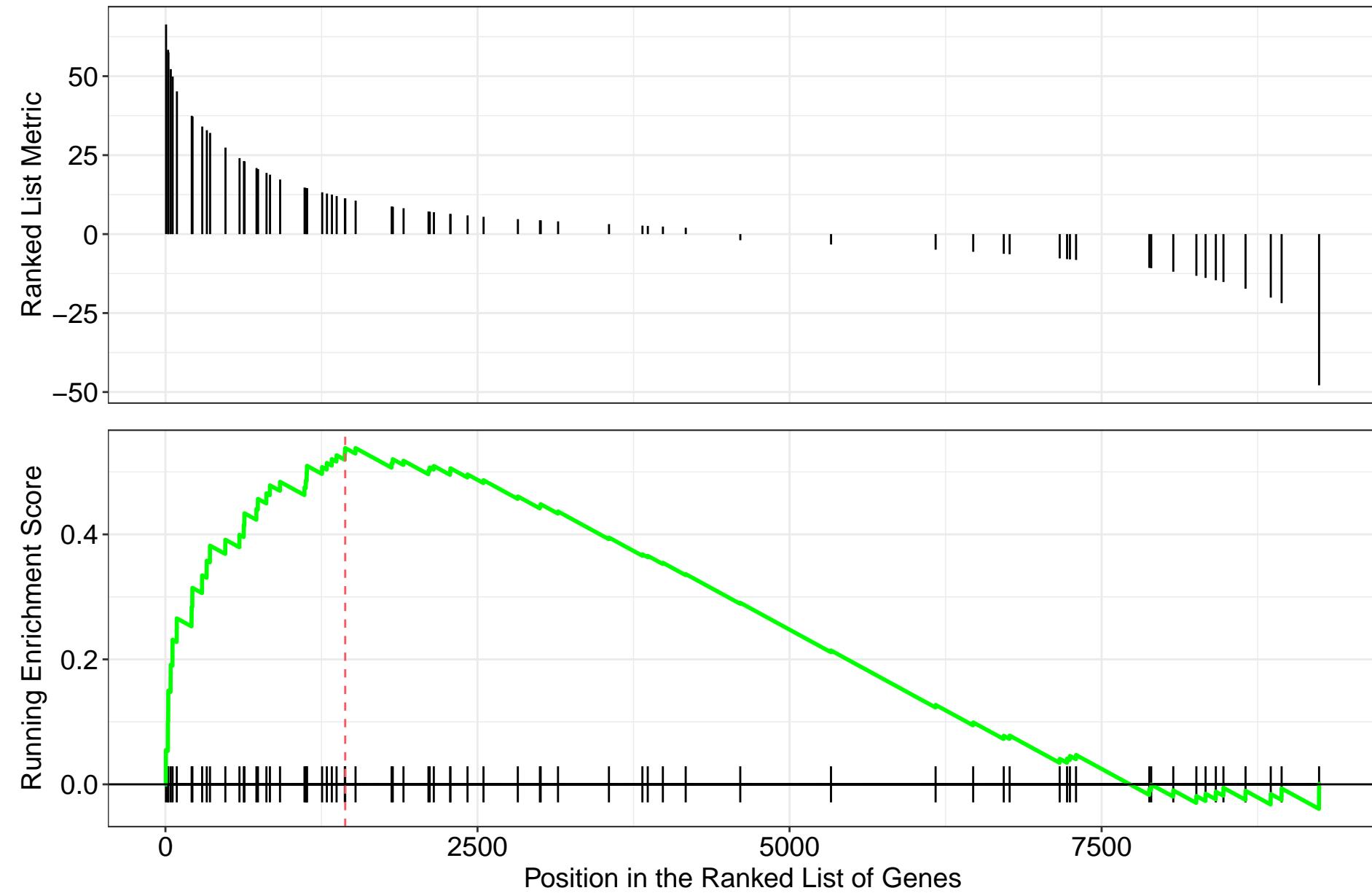
activation of innate immune response



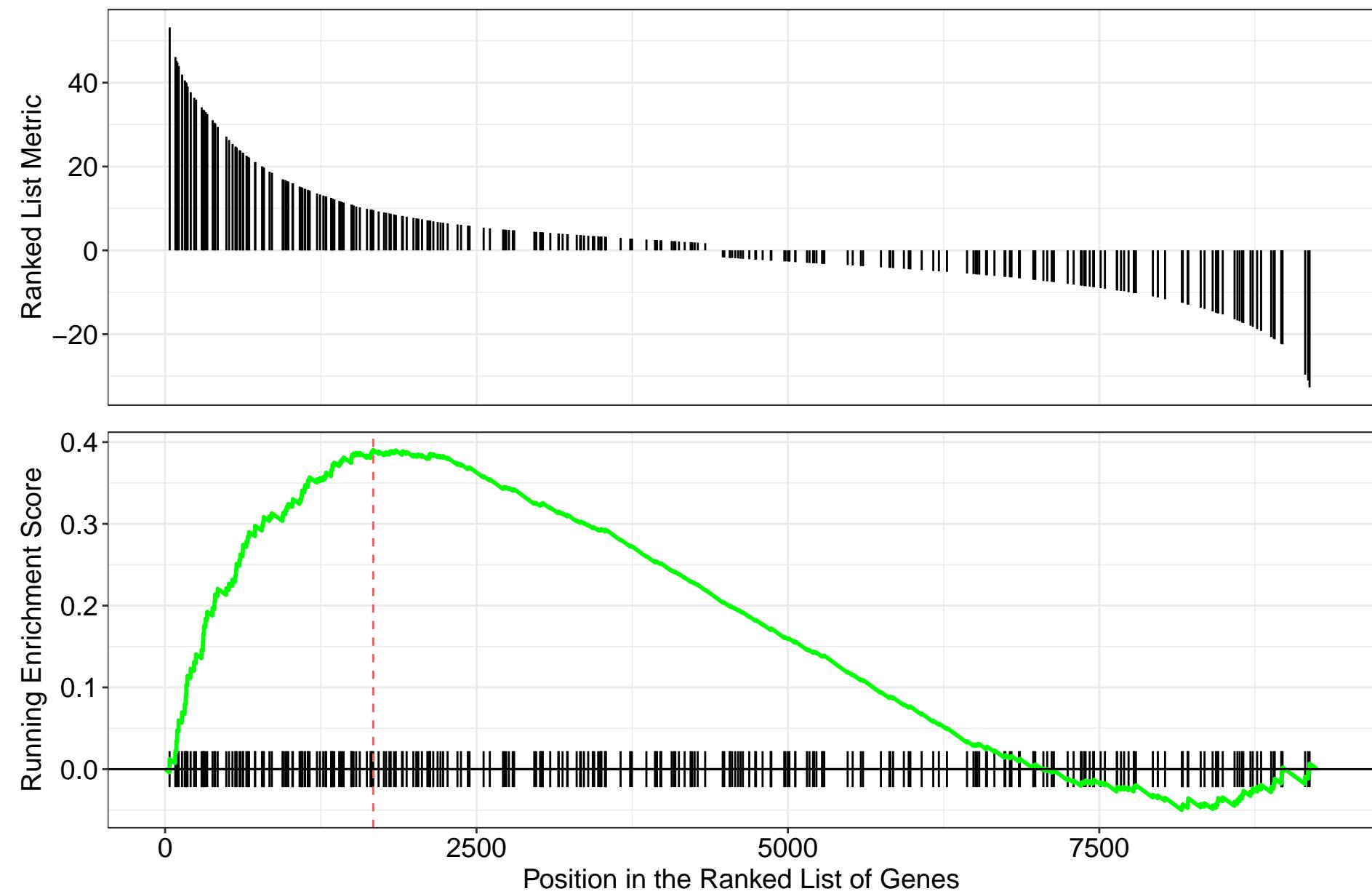
macrophage chemotaxis



regulation of alpha–beta T cell activation

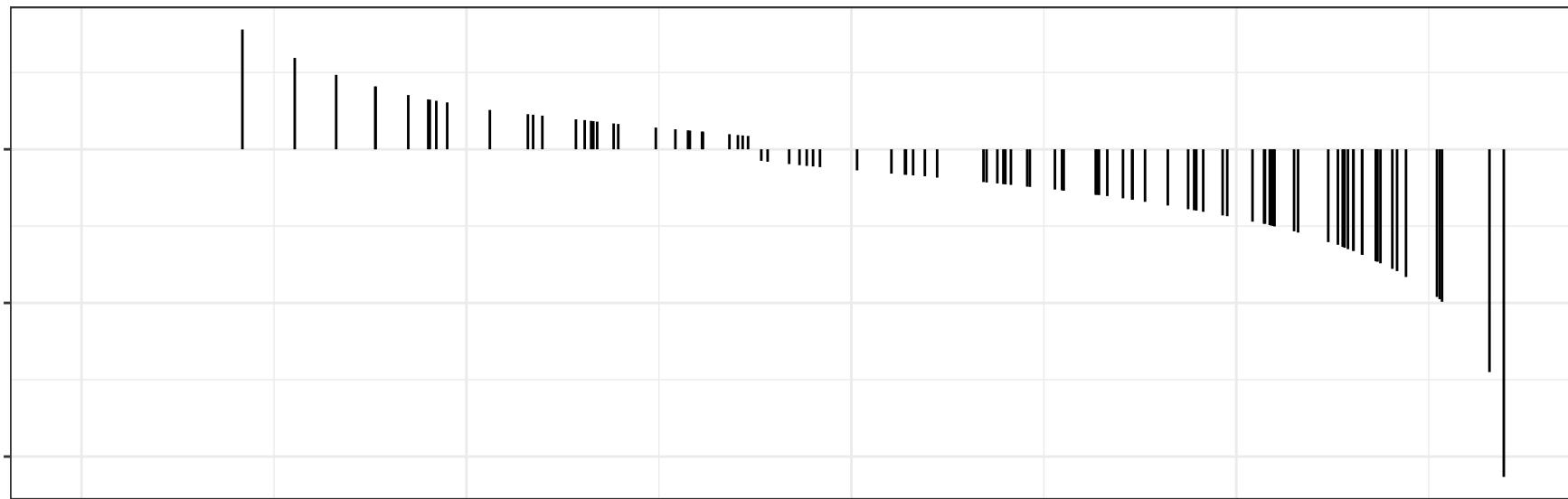


tissue morphogenesis

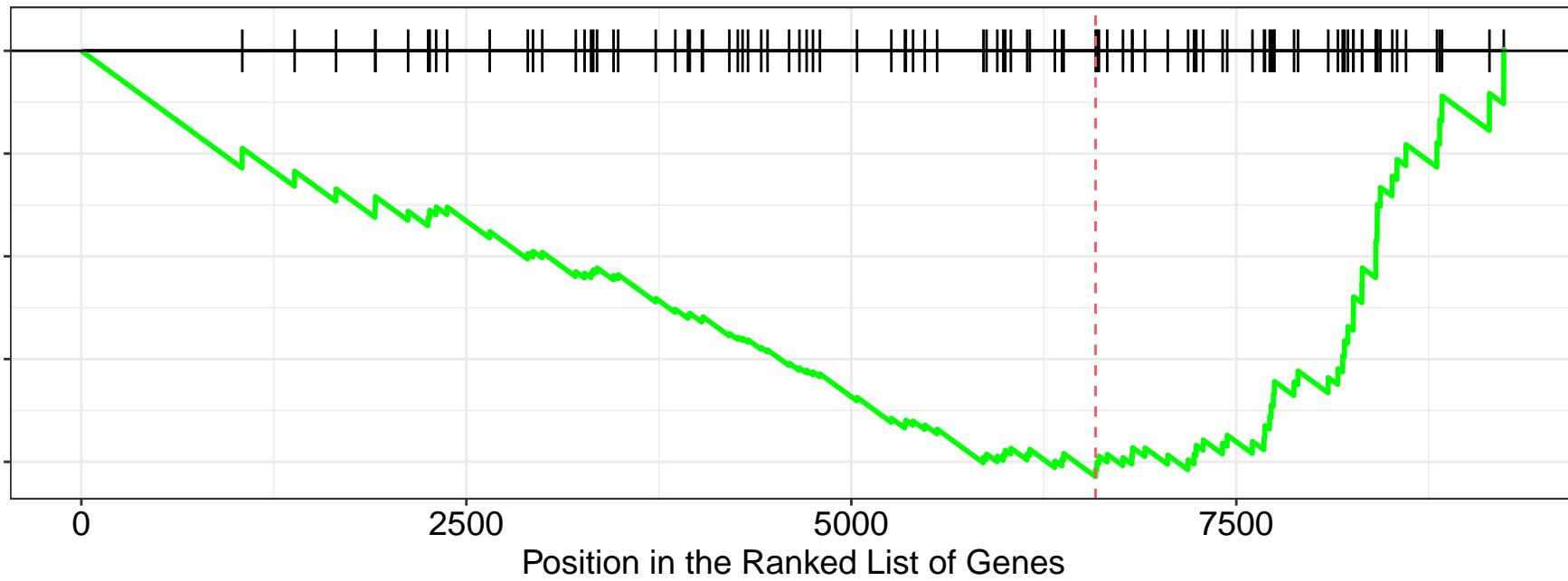


double-strand break repair via homologous recombination

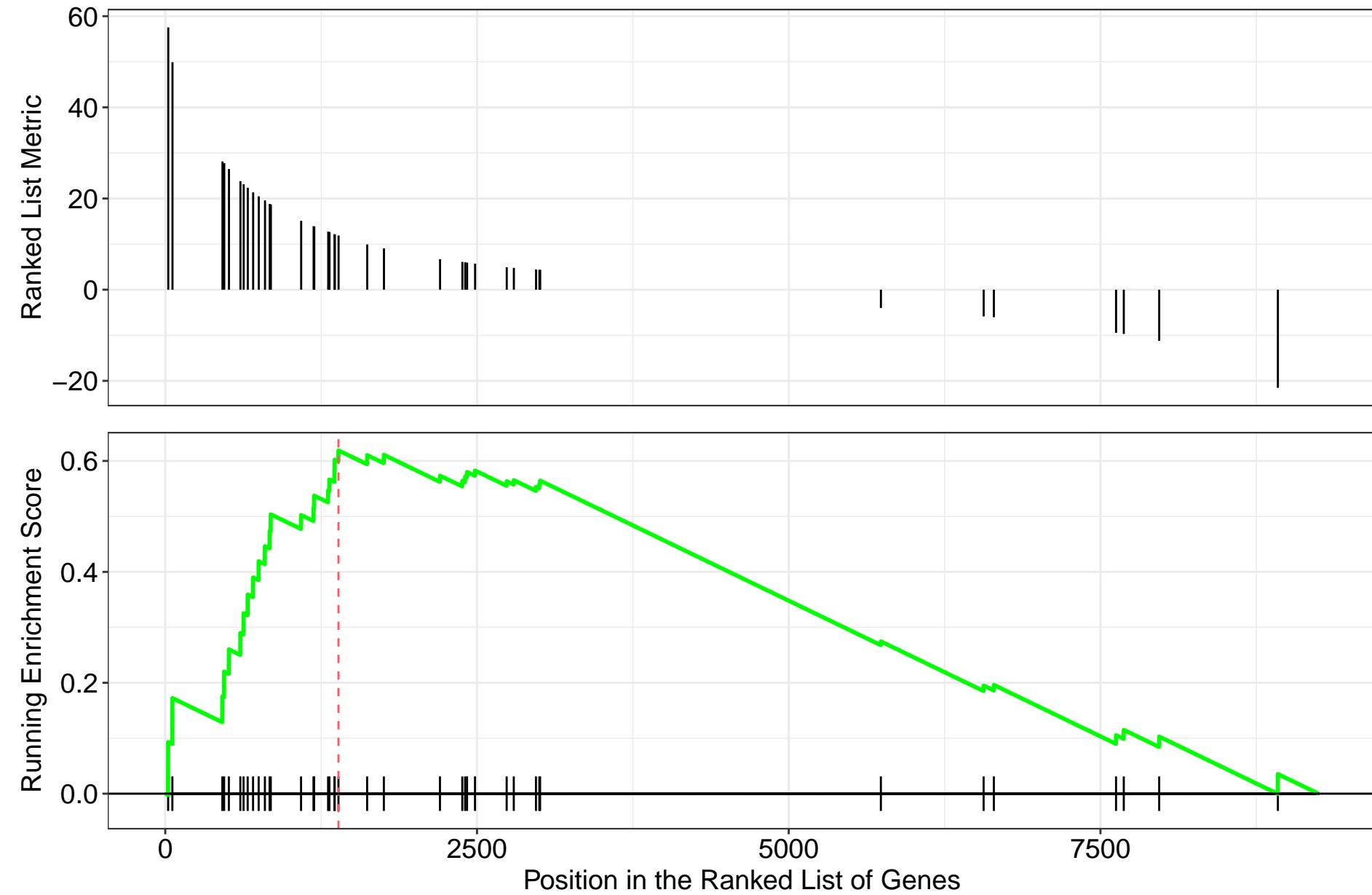
Ranked List Metric



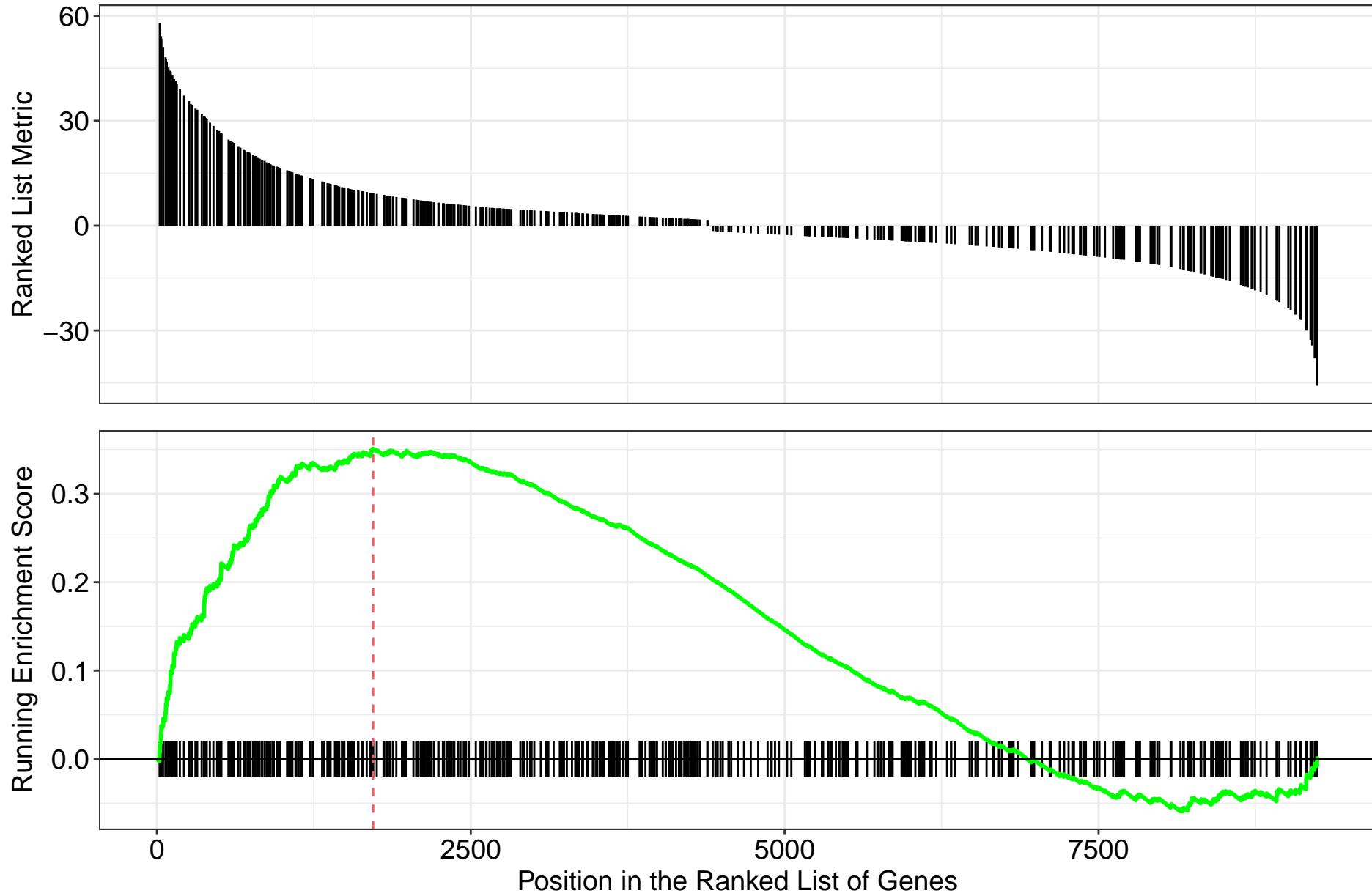
Running Enrichment Score



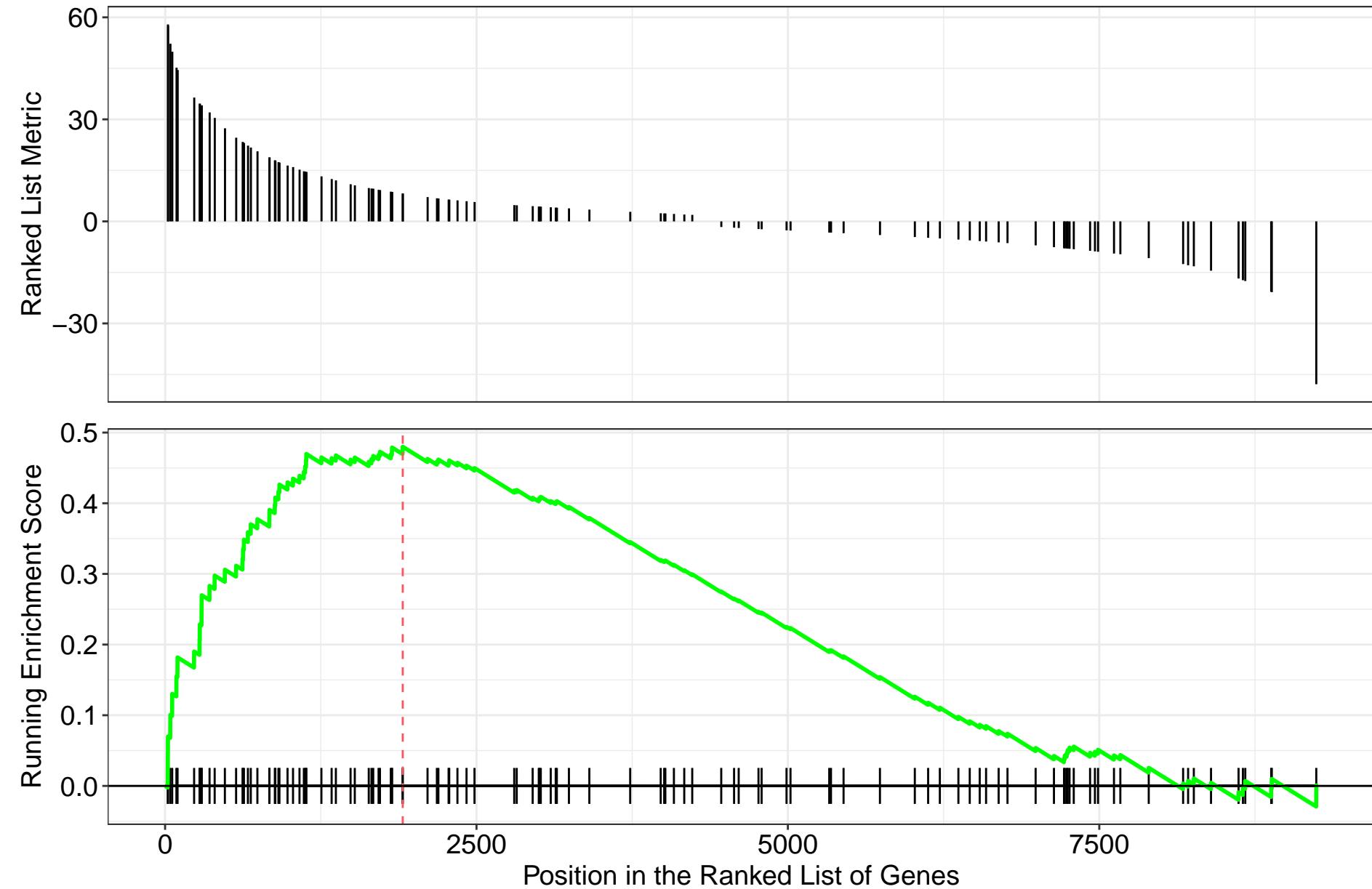
T cell mediated cytotoxicity



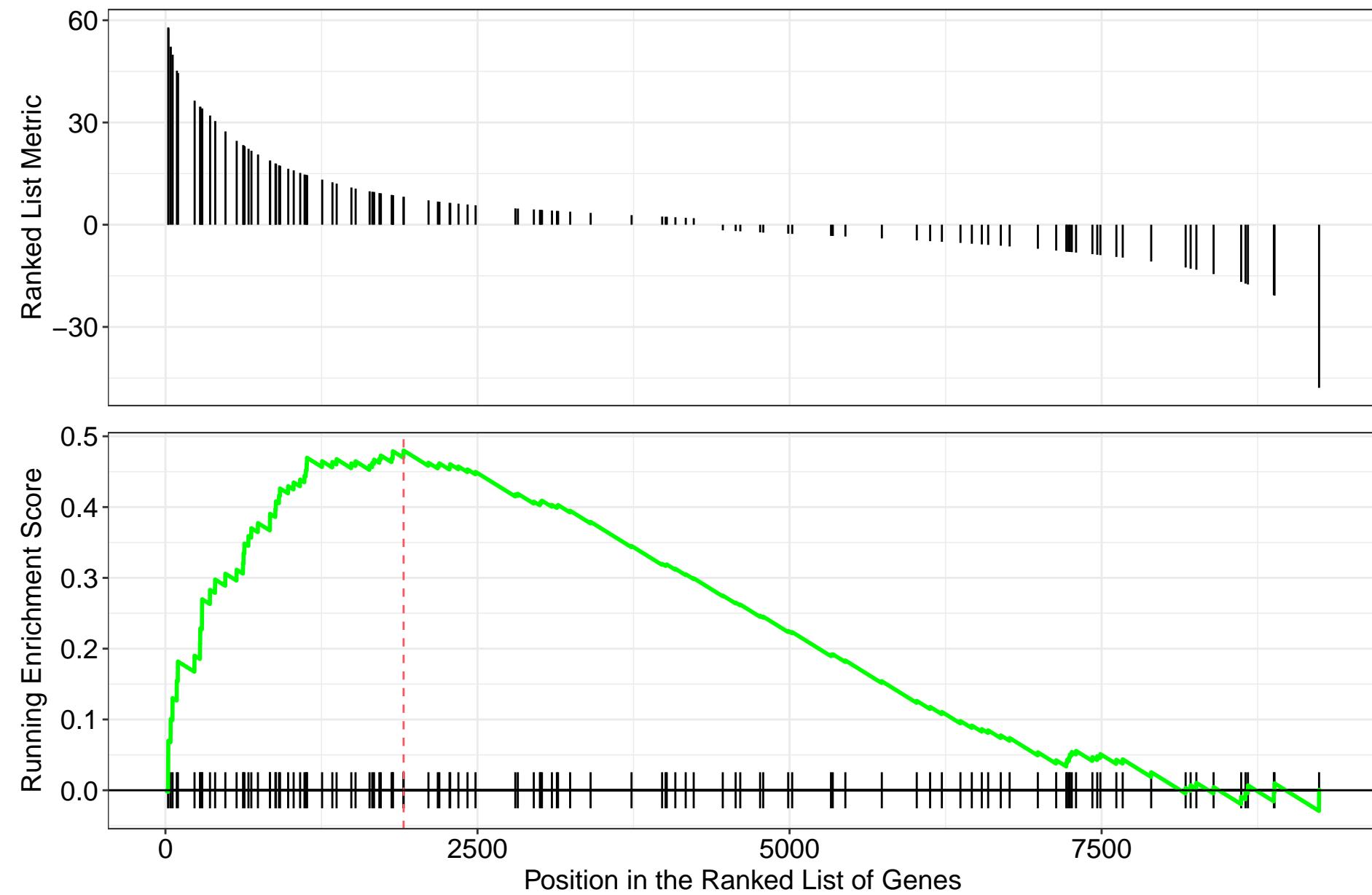
negative regulation of apoptotic process



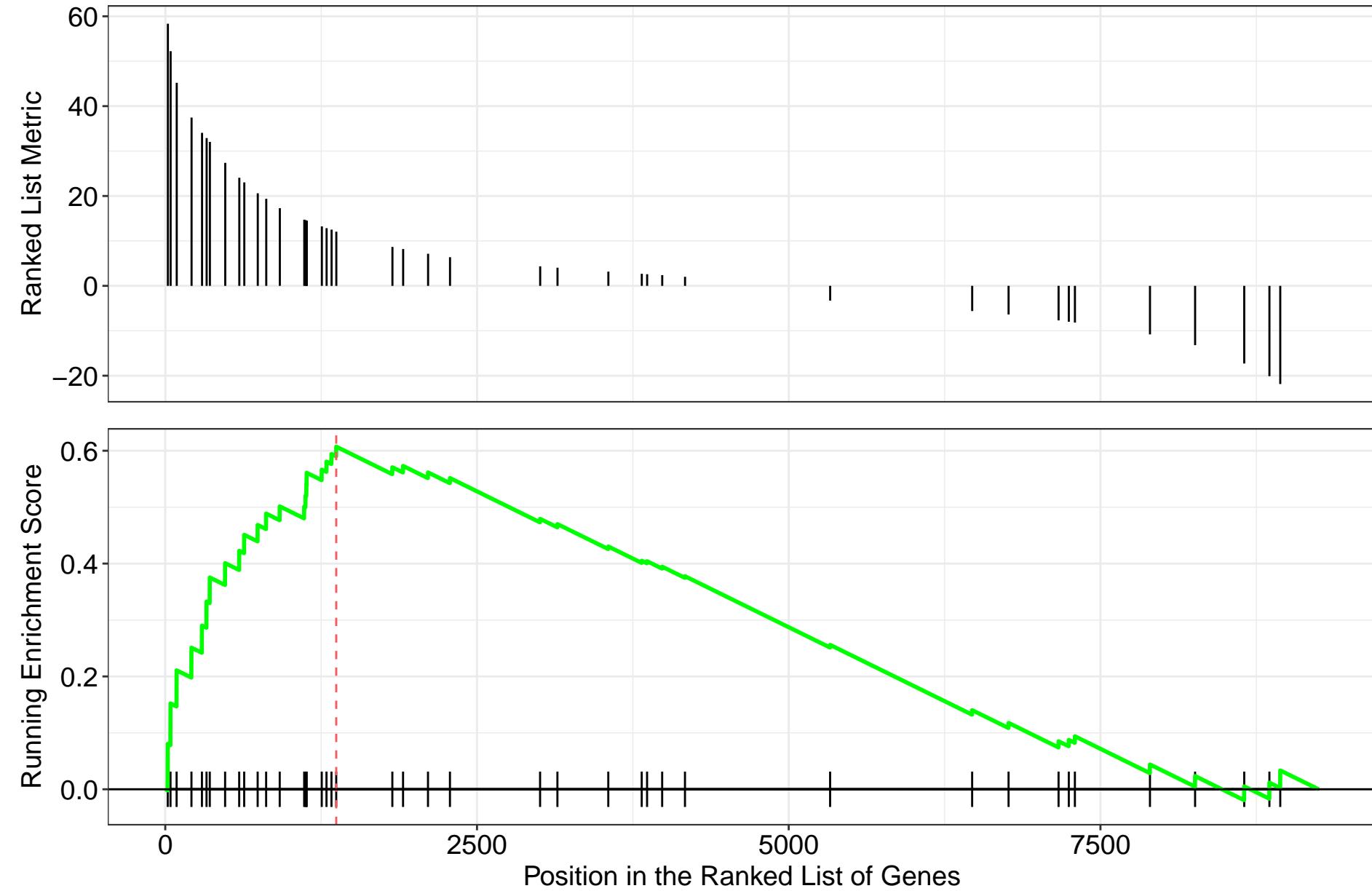
positive regulation of leukocyte differentiation



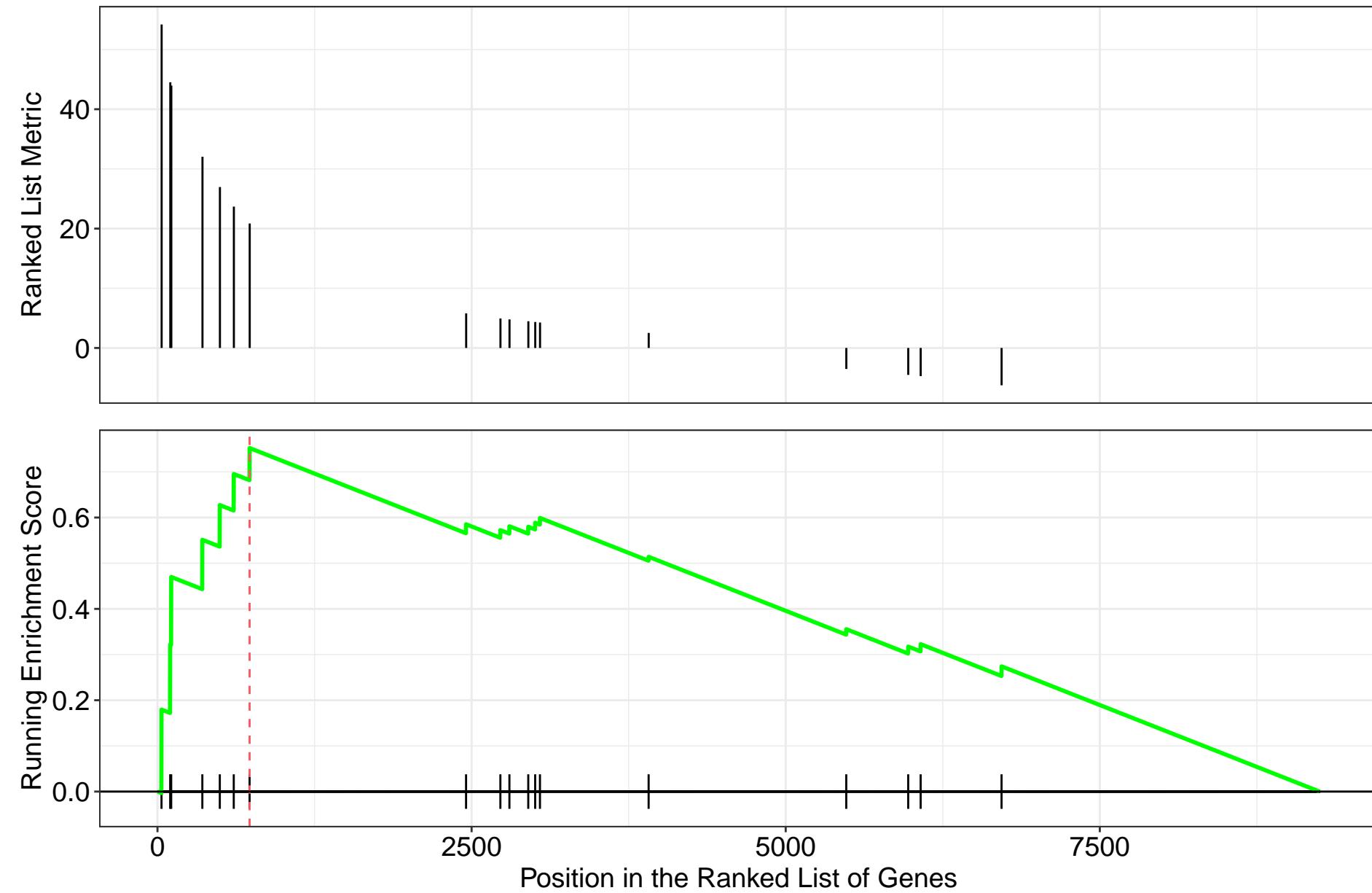
positive regulation of hemopoiesis



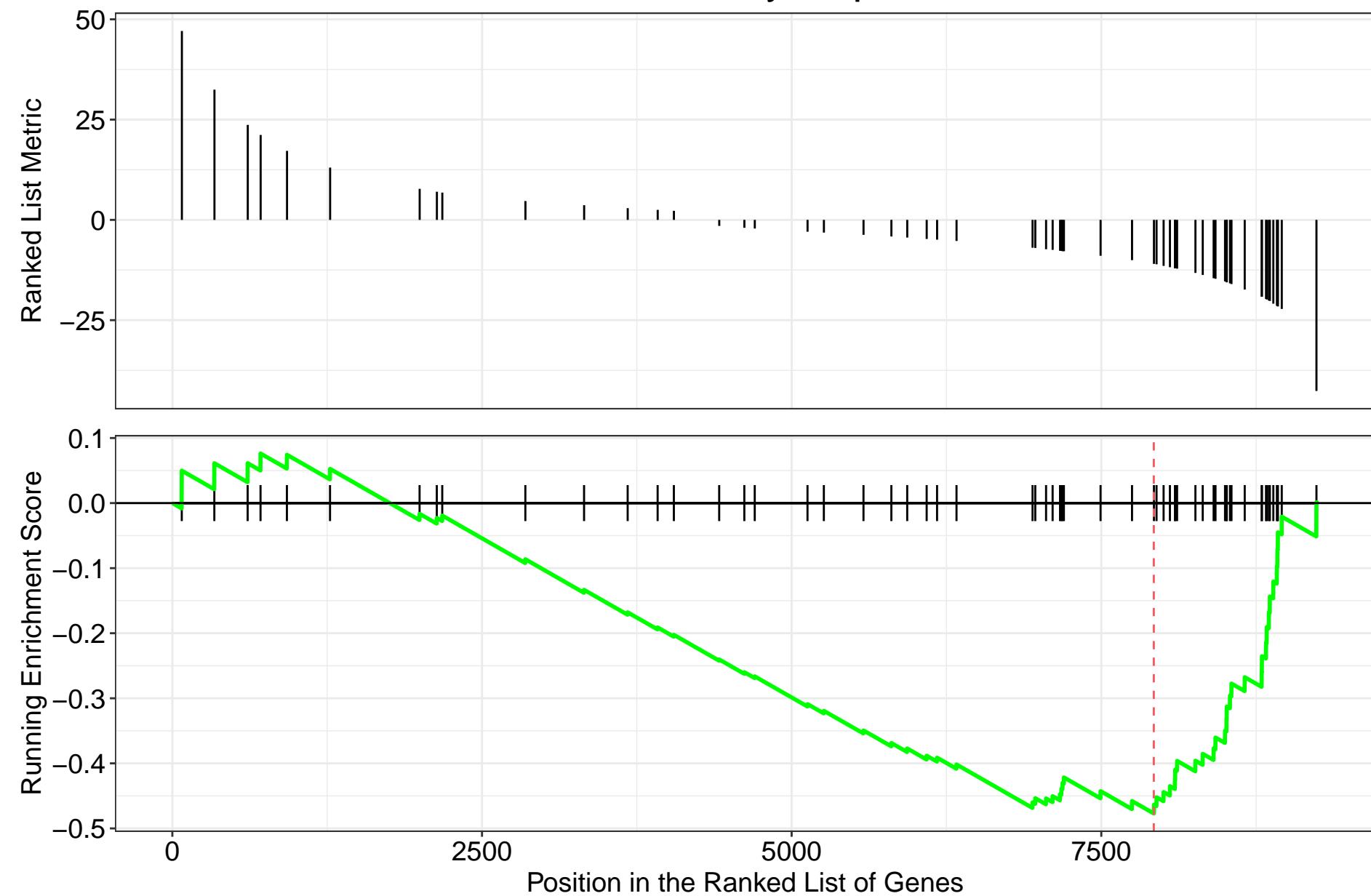
regulation of CD4-positive, alpha-beta T cell activation



regulation of neutrophil chemotaxis

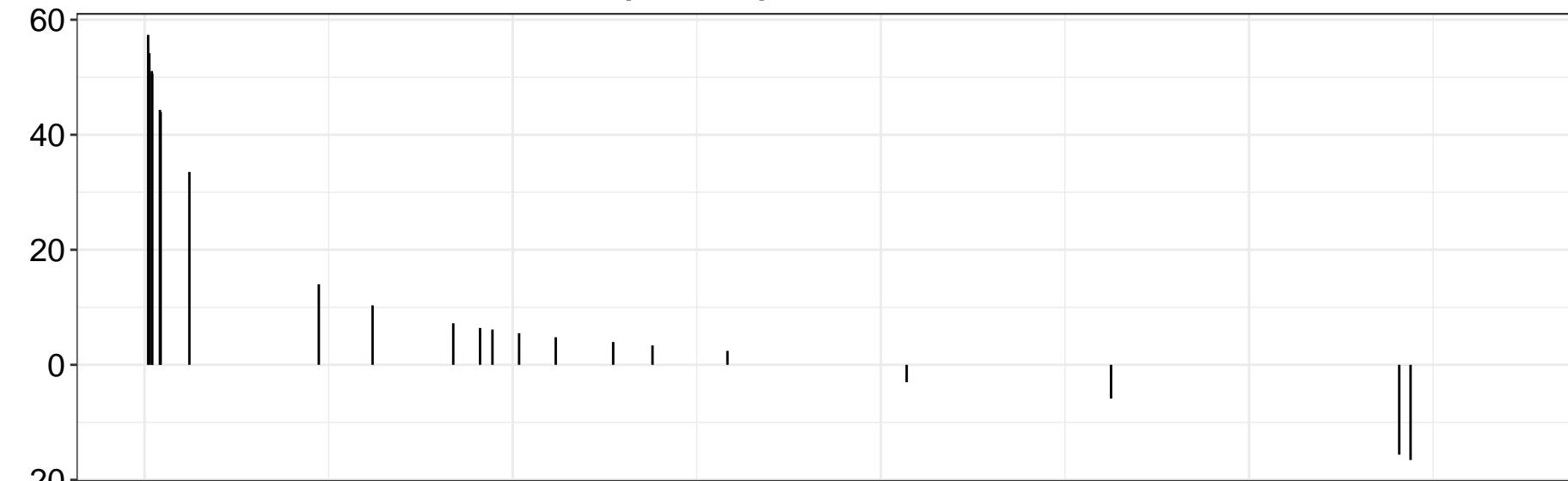


meiosis I cell cycle process



lipid export from cell

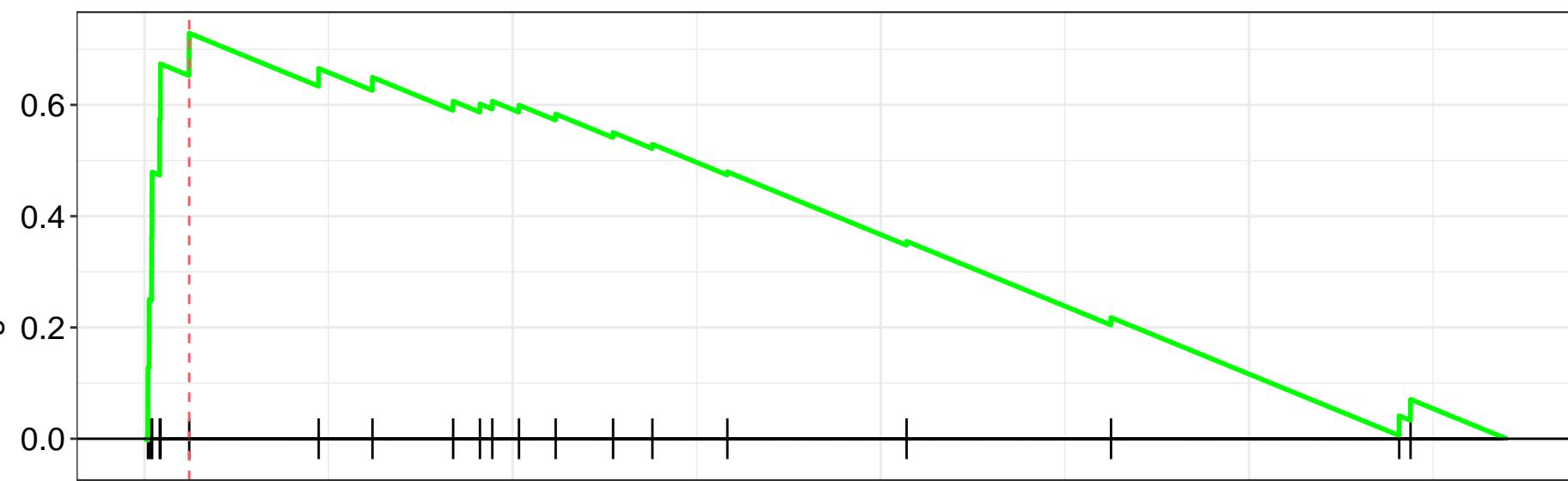
Ranked List Metric



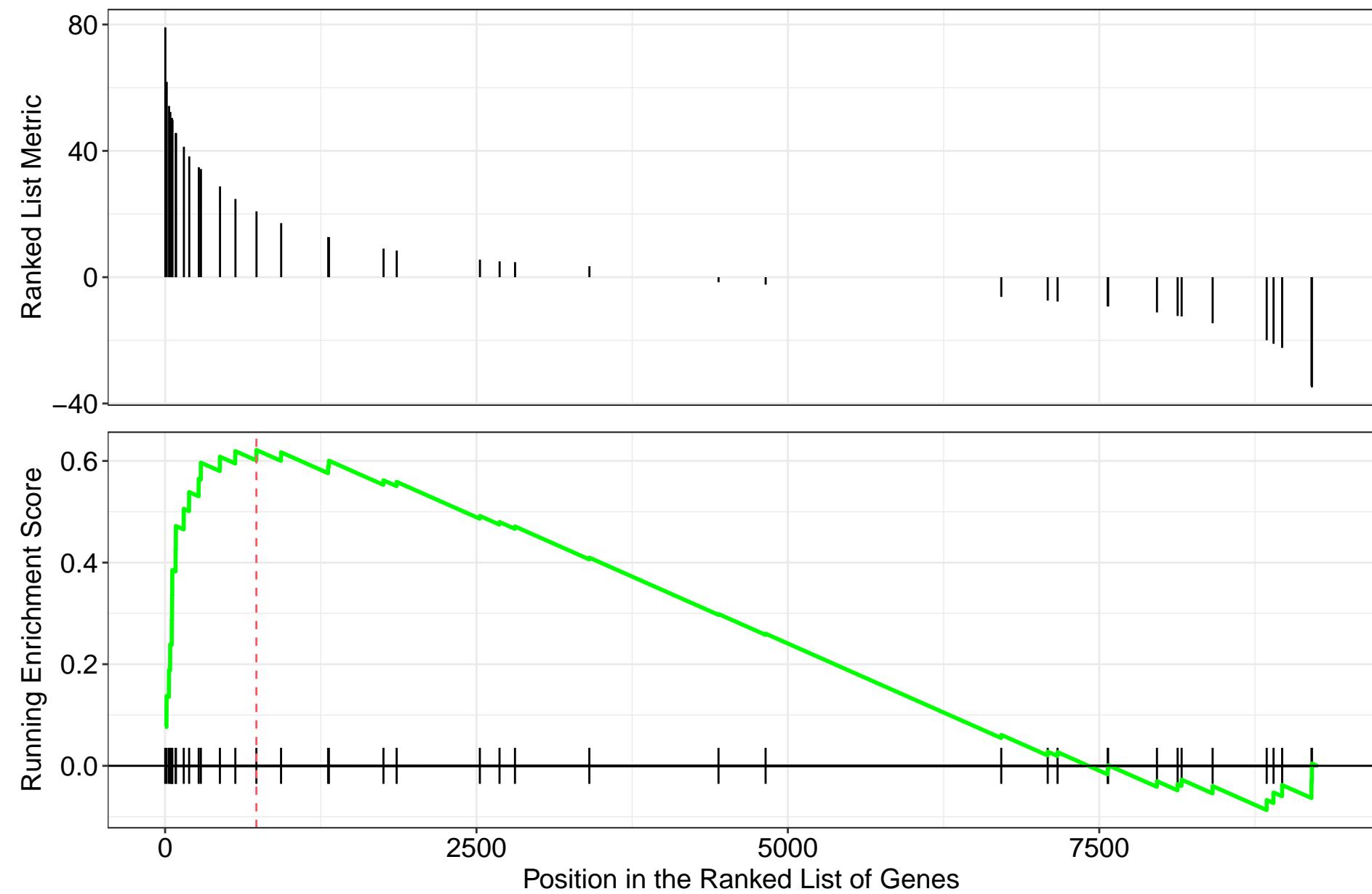
Running Enrichment Score

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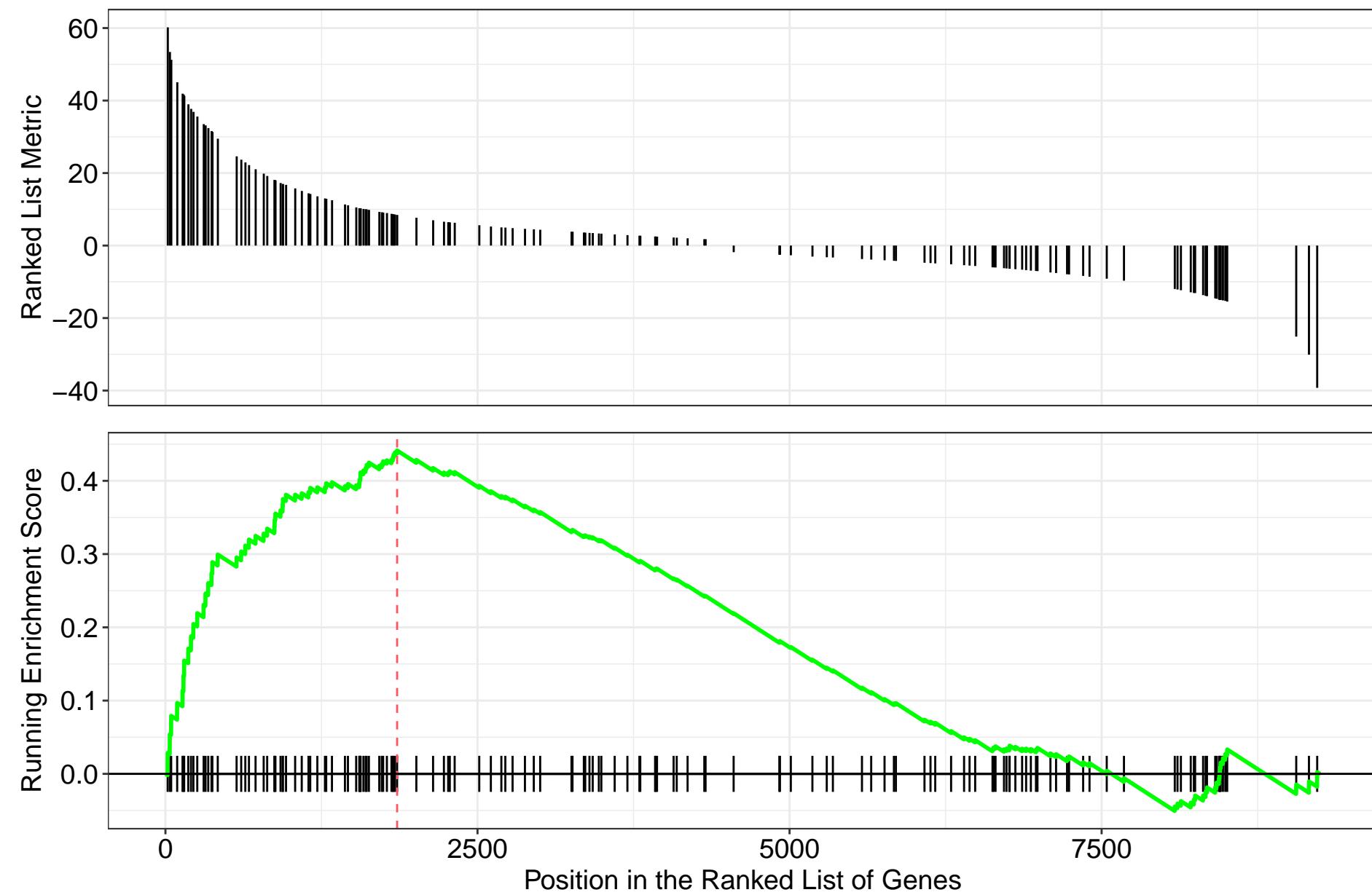
Position in the Ranked List of Genes



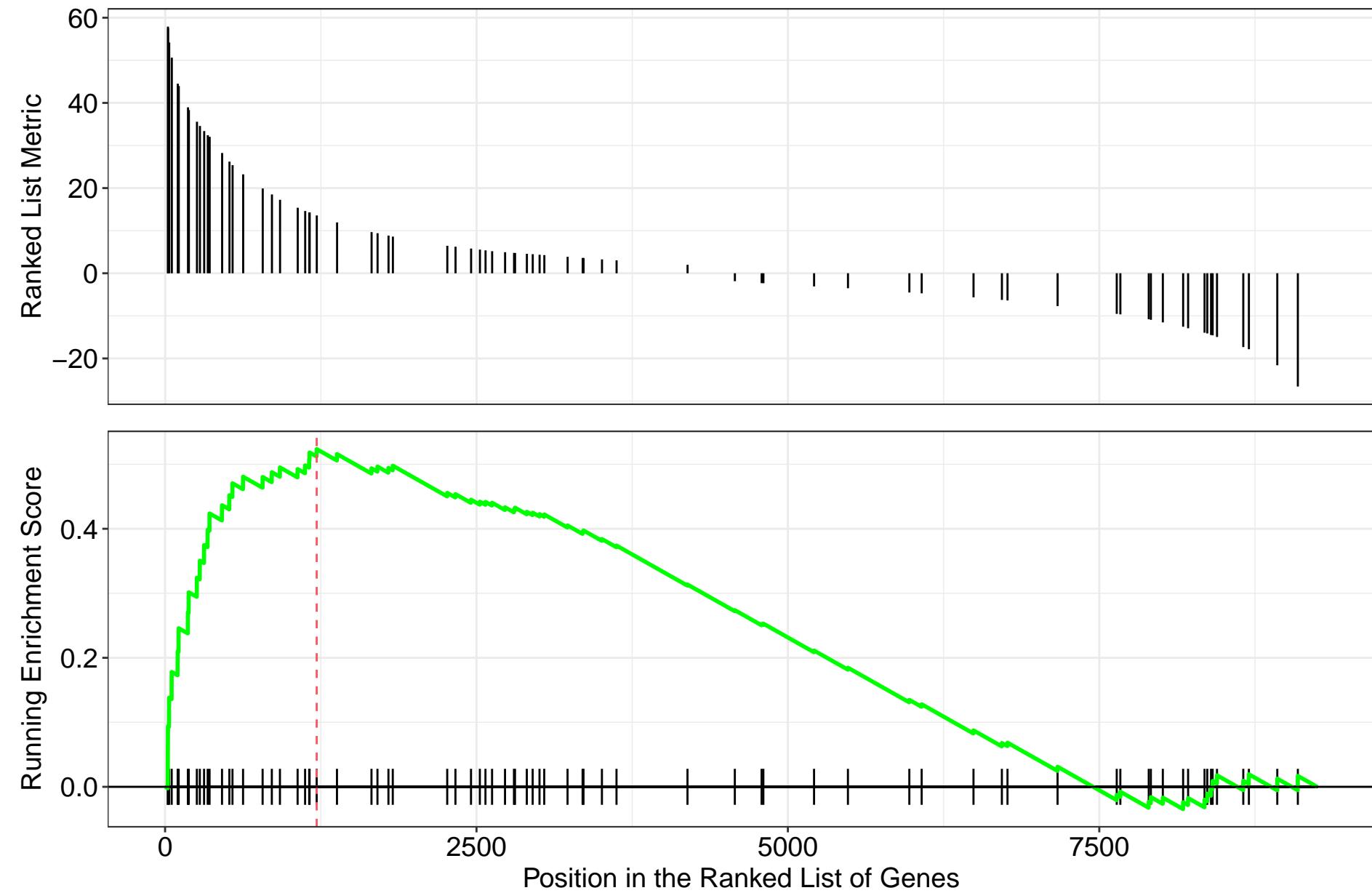
antimicrobial humoral response



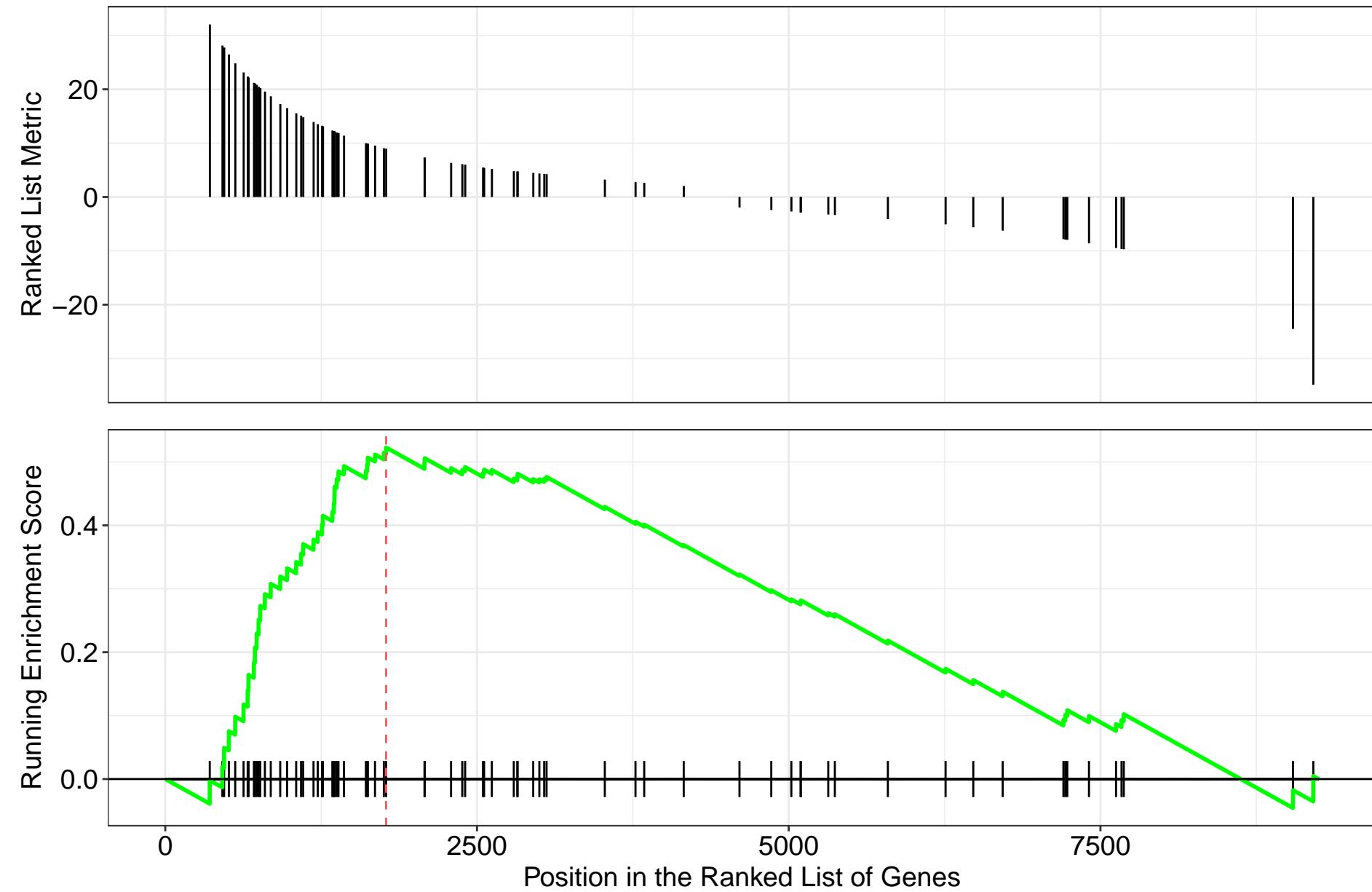
negative regulation of cell migration



positive regulation of chemotaxis

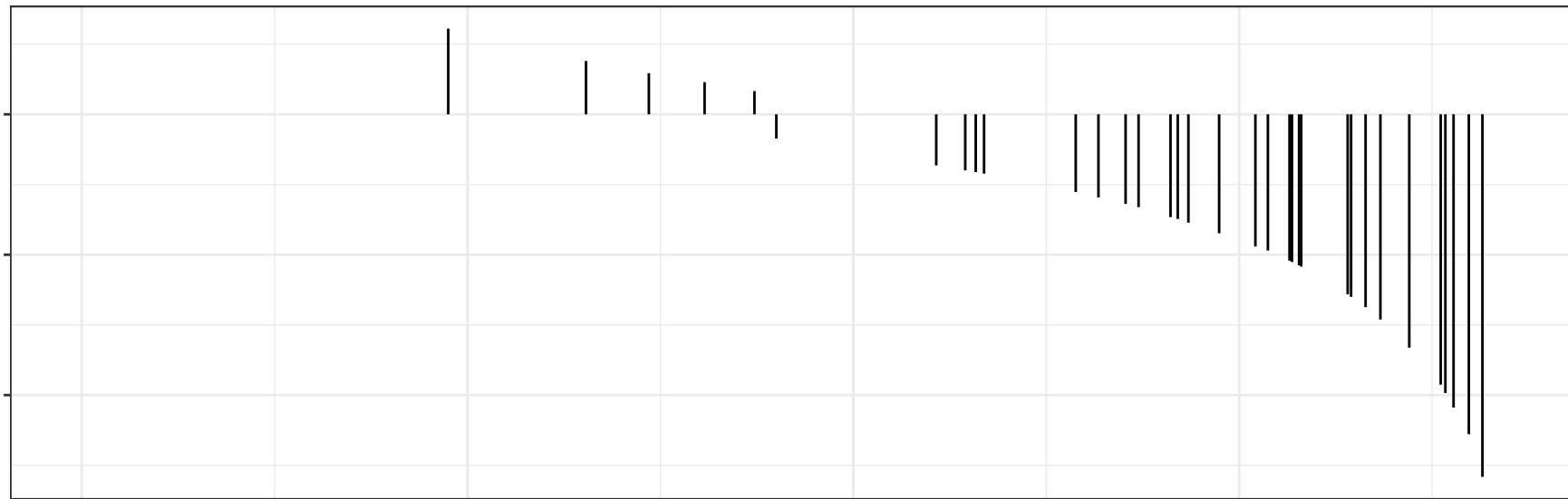


antigen processing and presentation



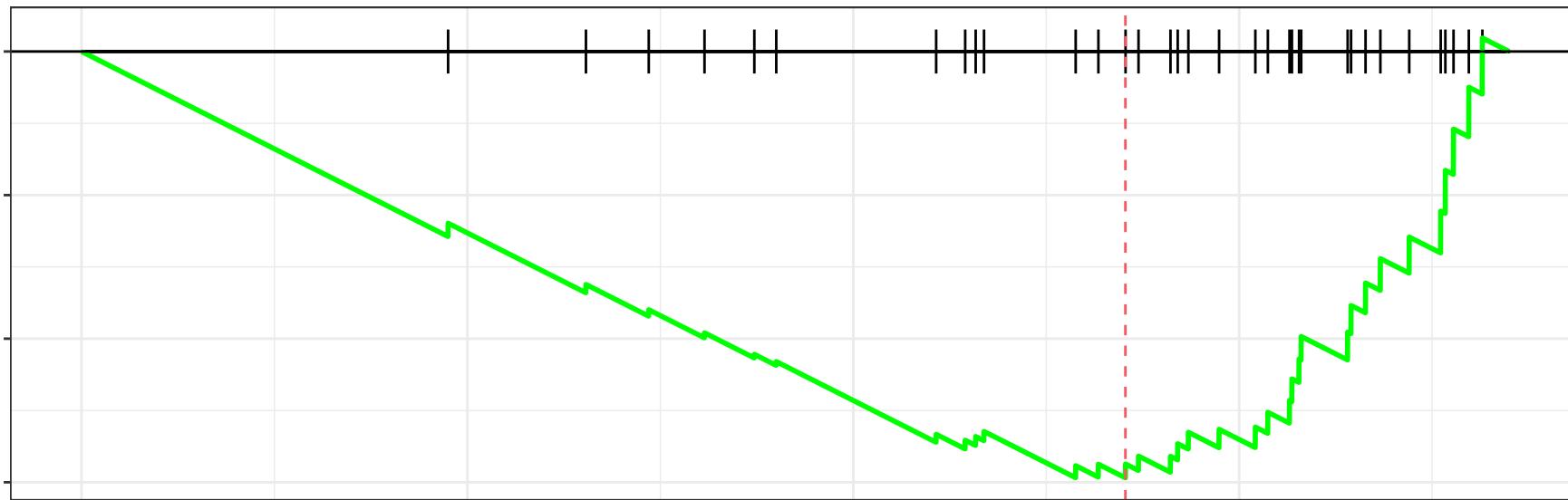
regulation of DNA–templated DNA replication

Ranked List Metric

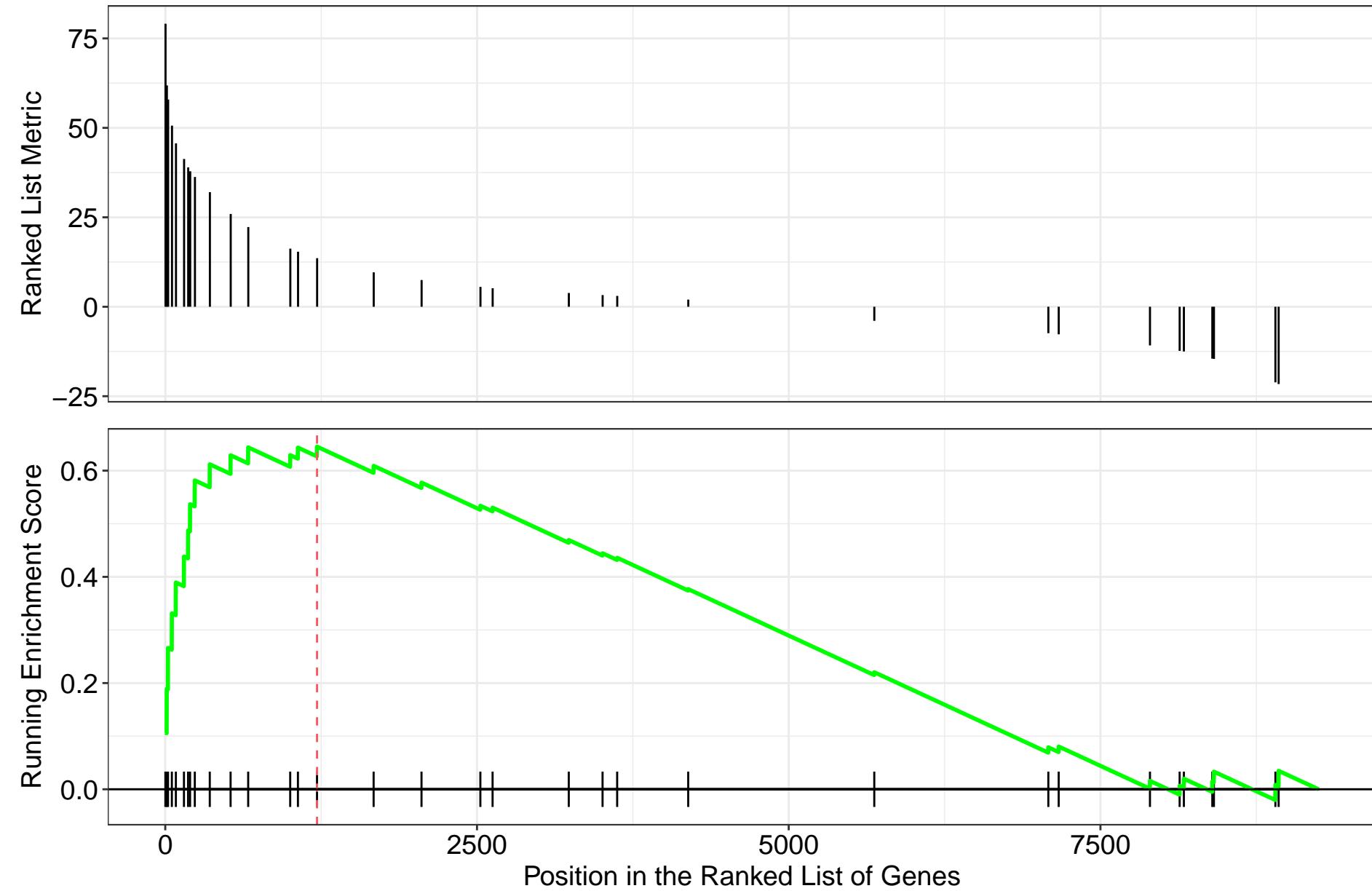


Running Enrichment Score

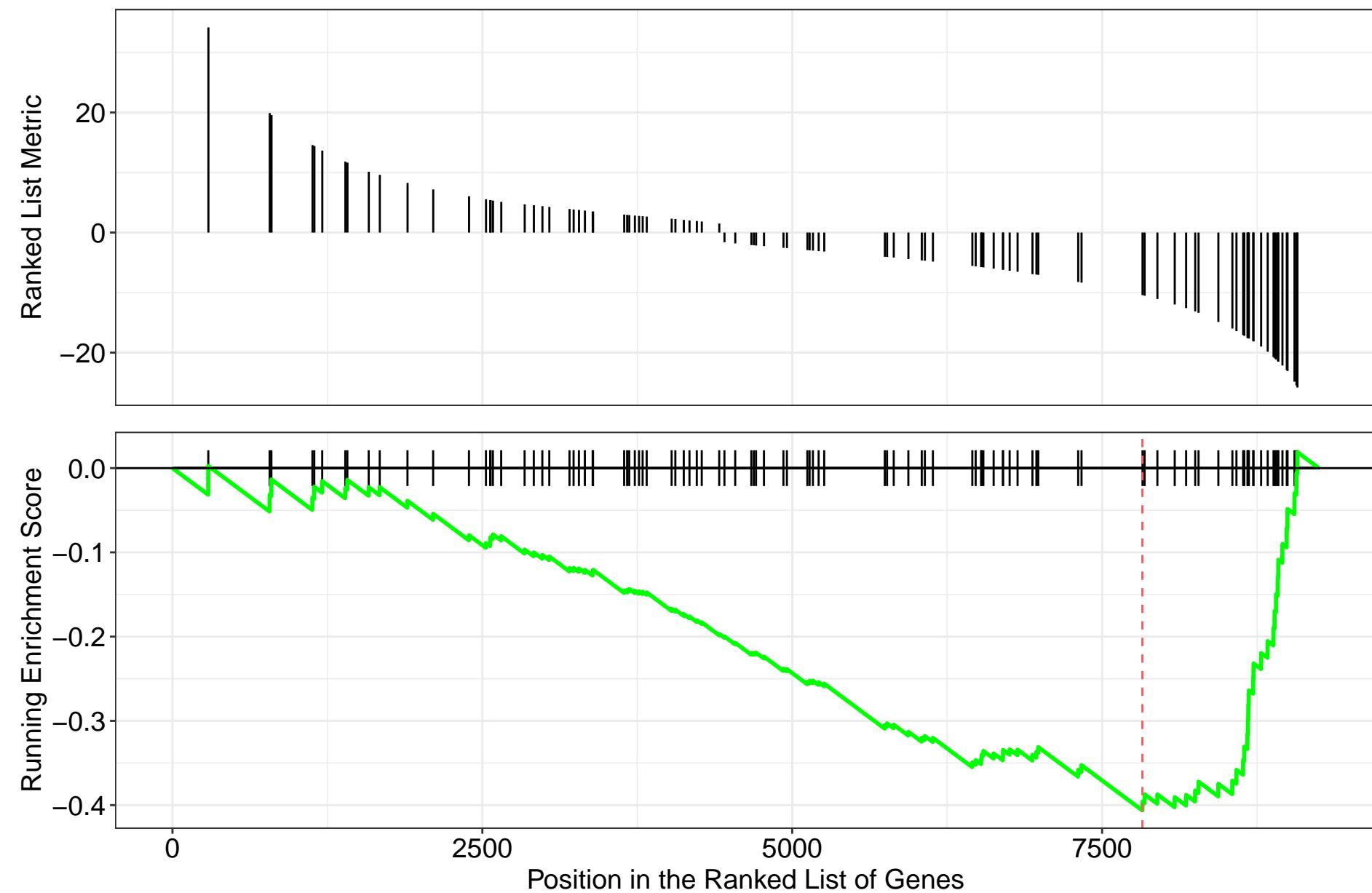
Position in the Ranked List of Genes



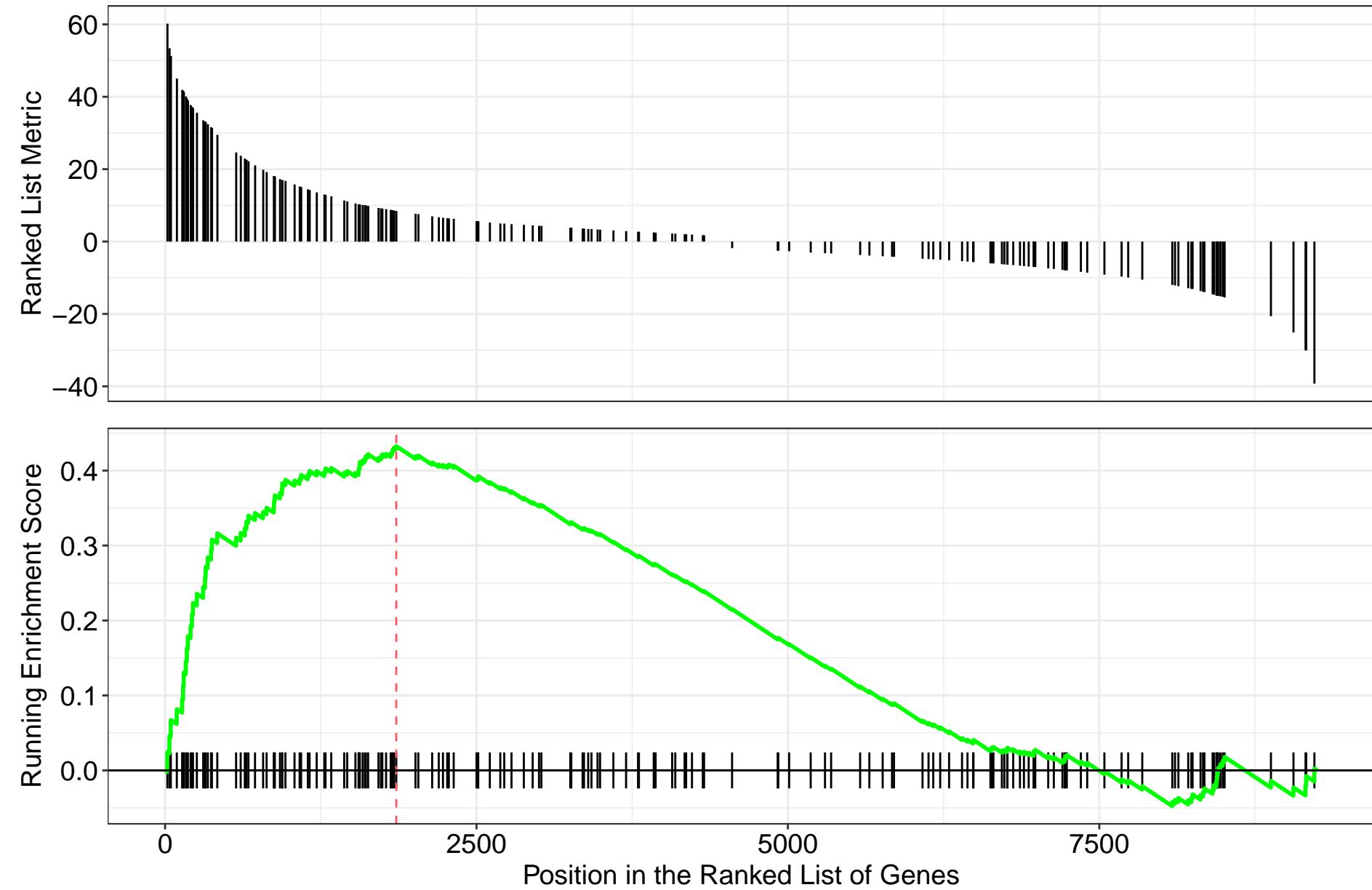
lymphocyte chemotaxis



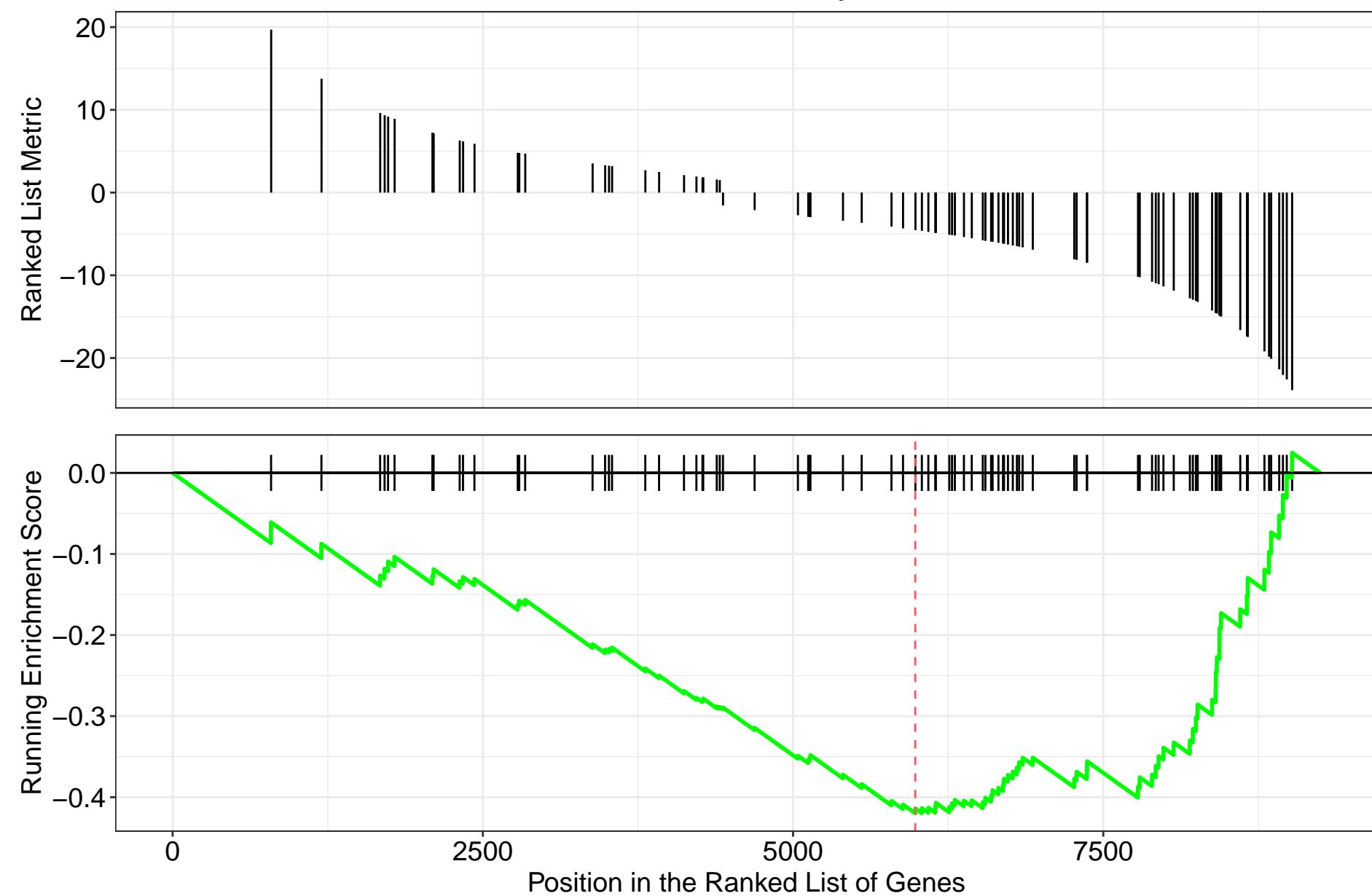
cytokinesis



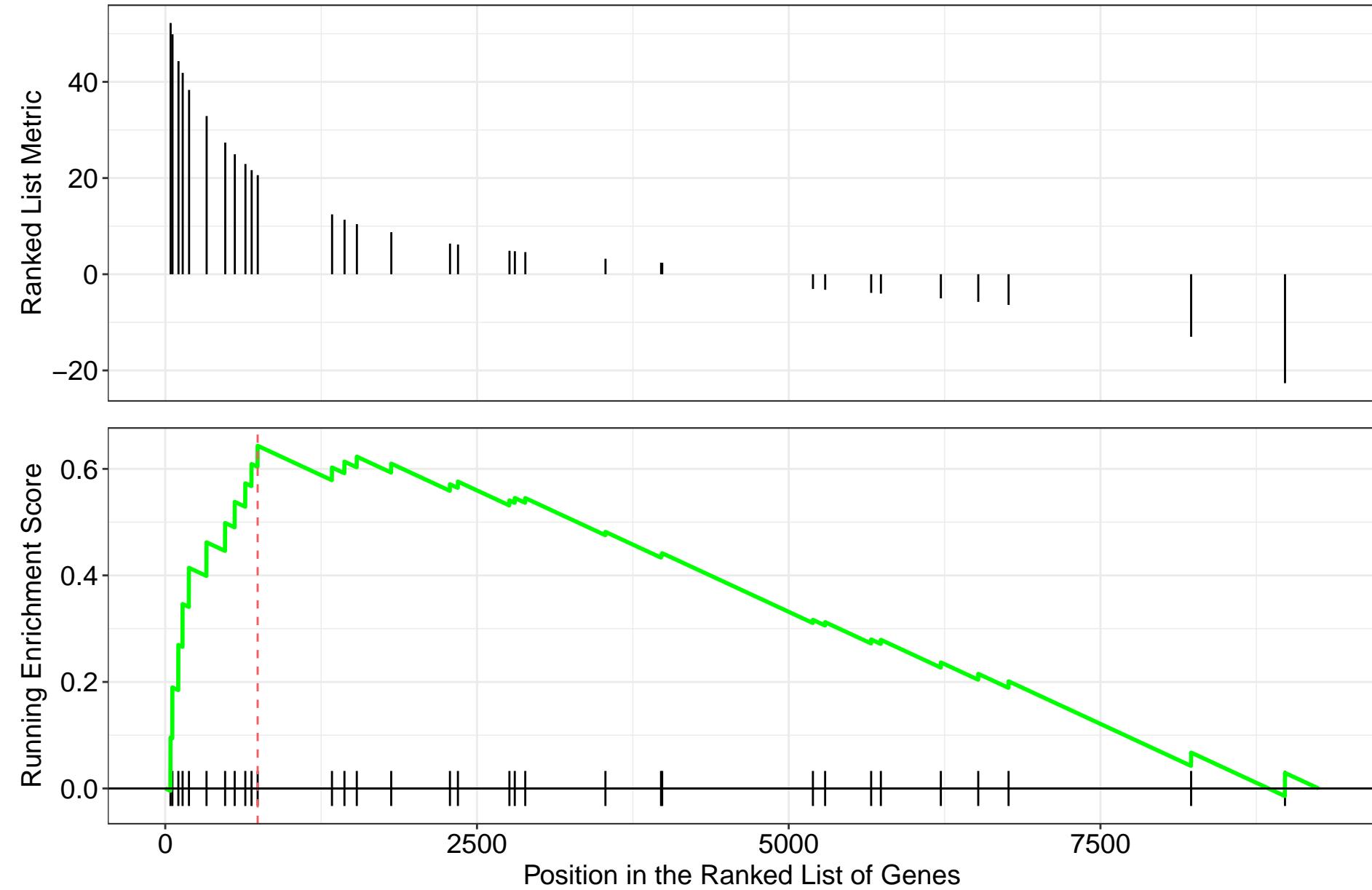
negative regulation of locomotion



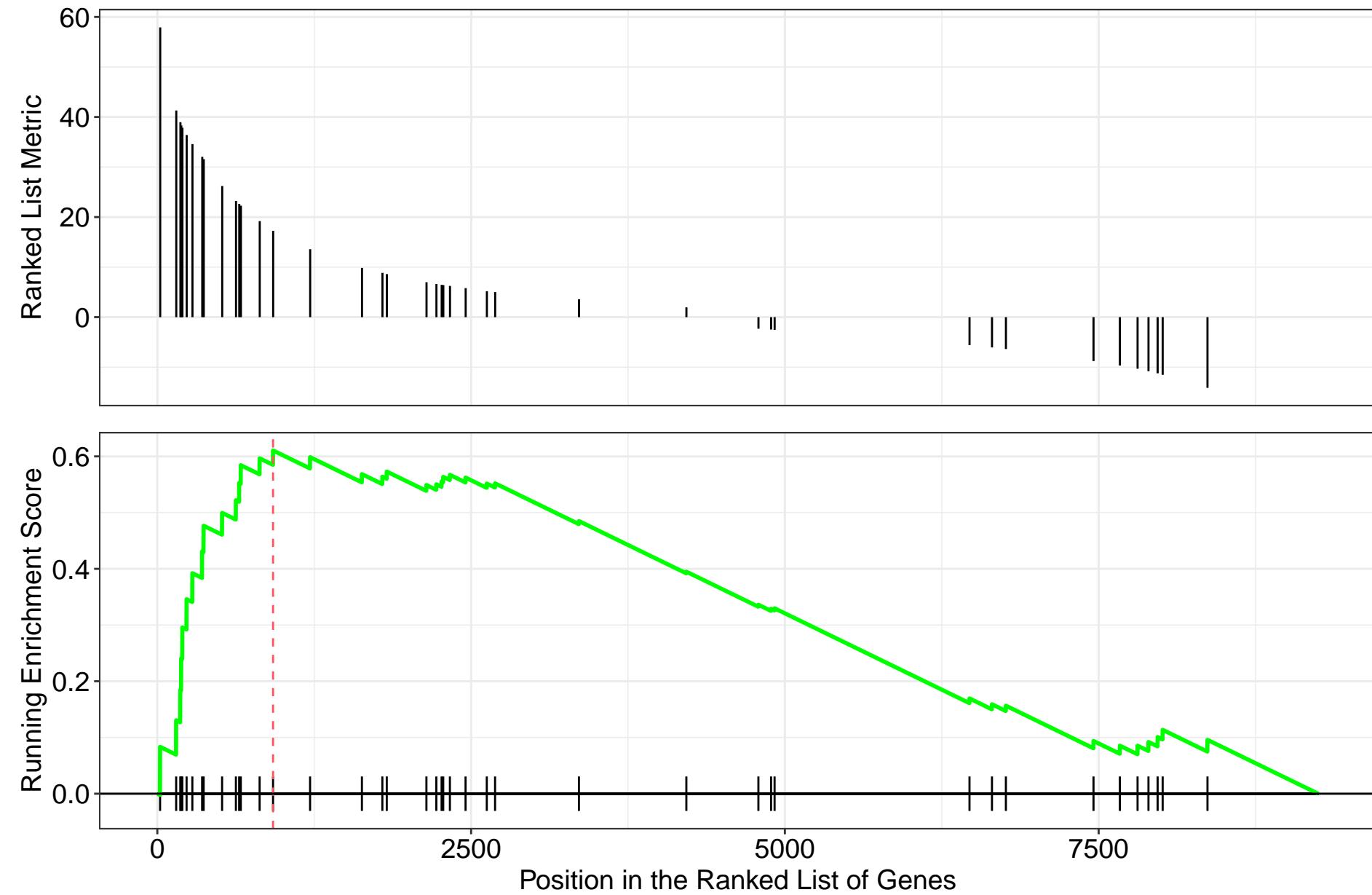
centrosome cycle



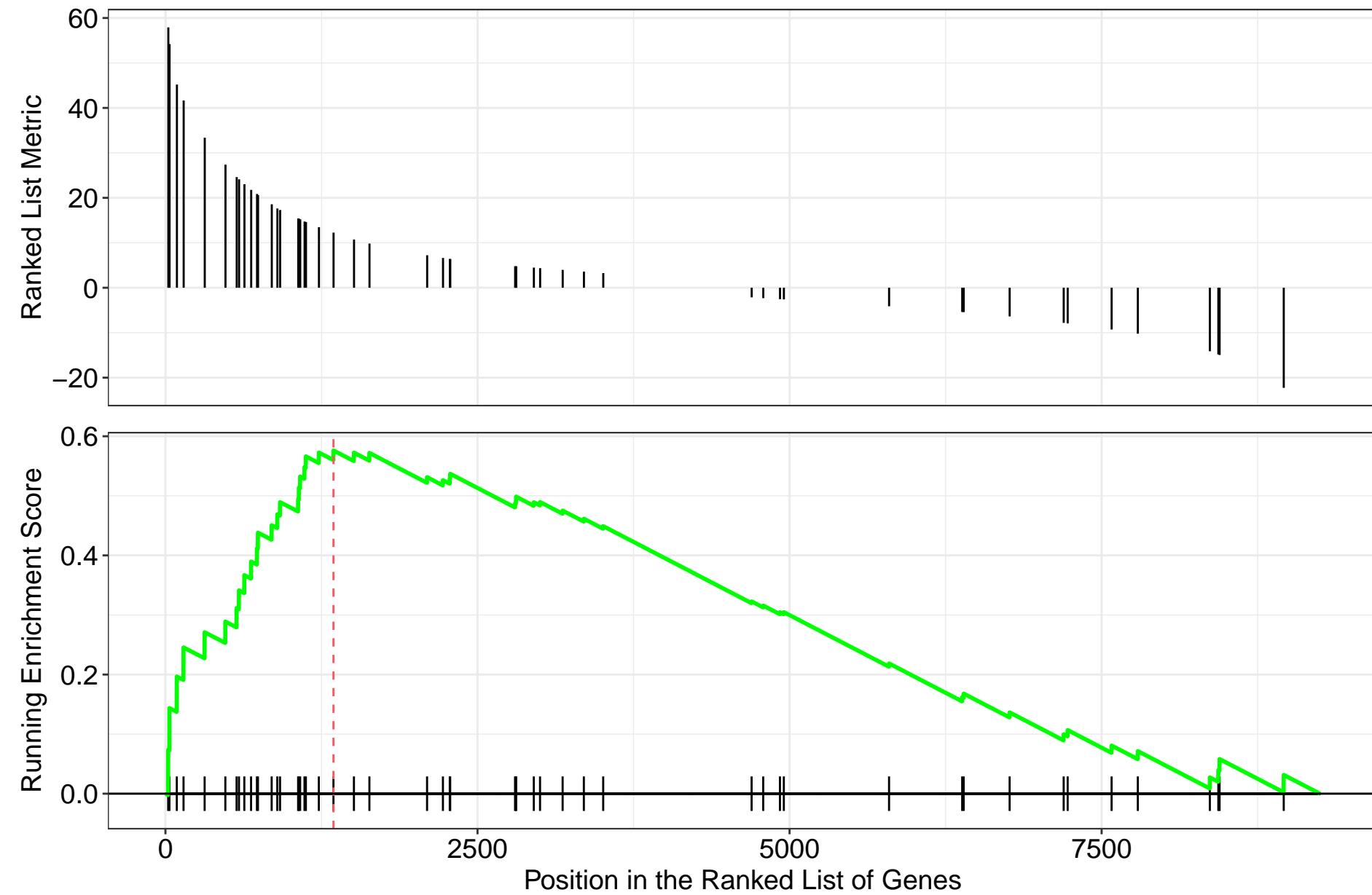
activated T cell proliferation



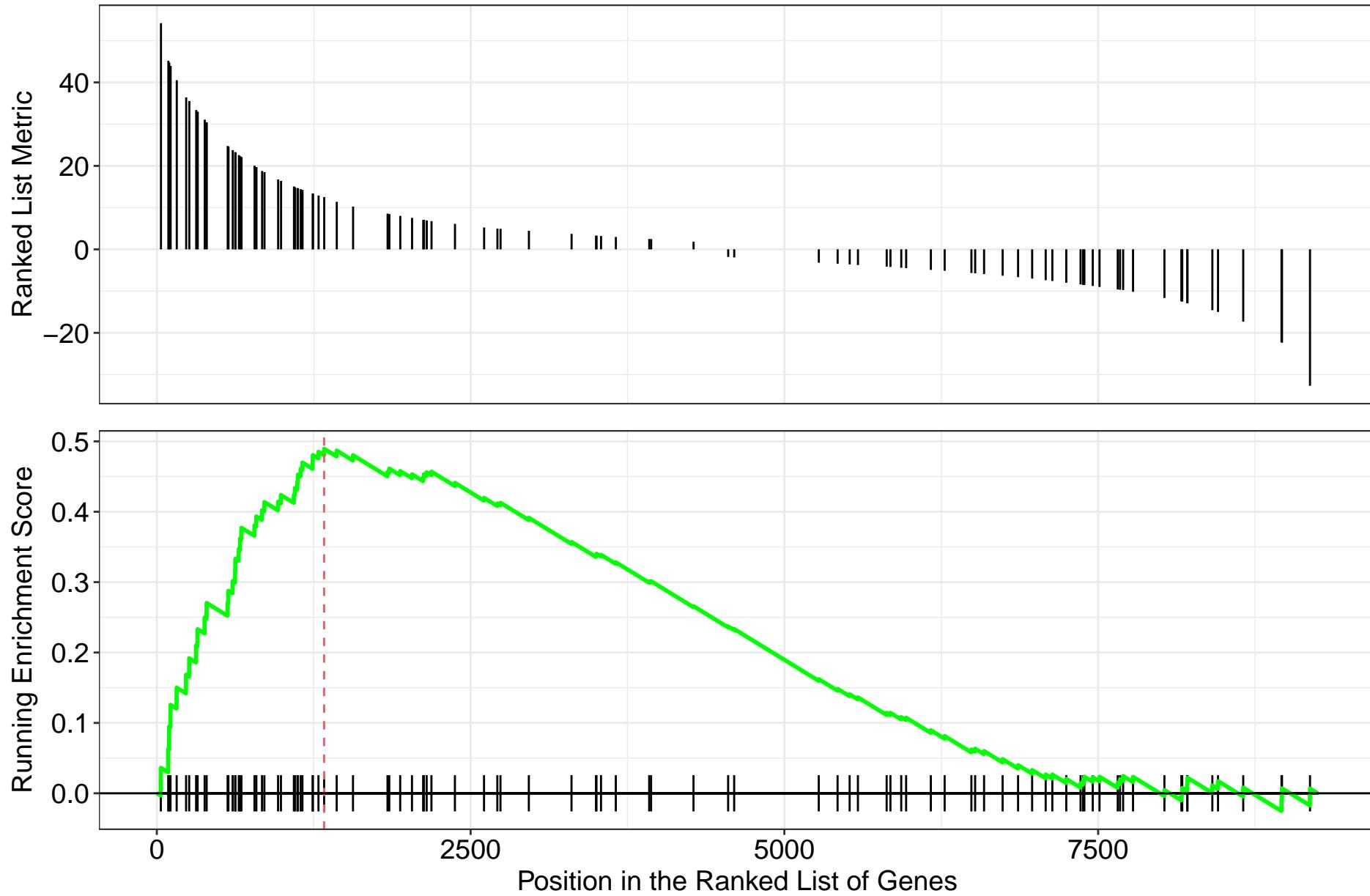
macrophage migration



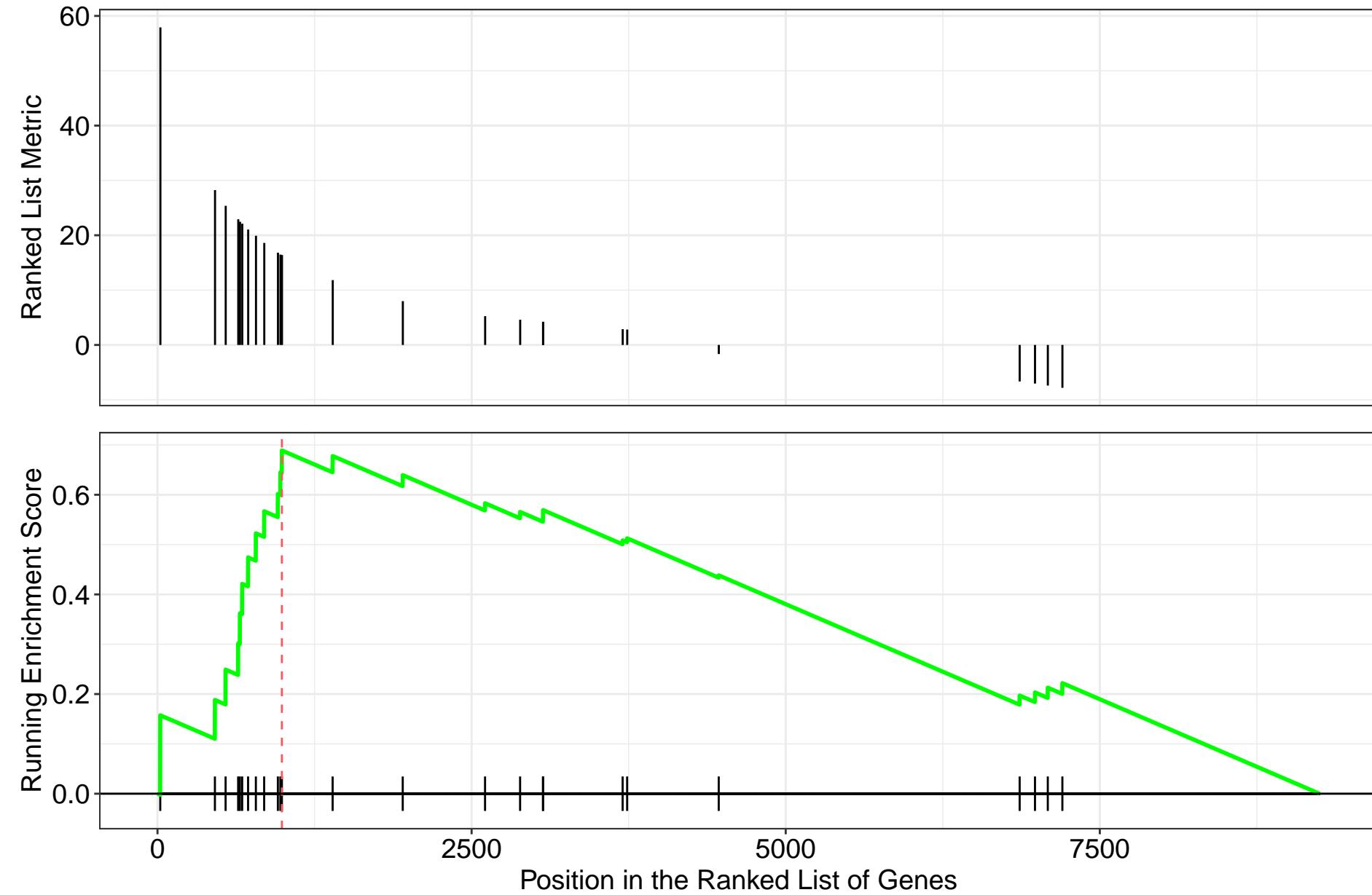
positive regulation of chemokine production



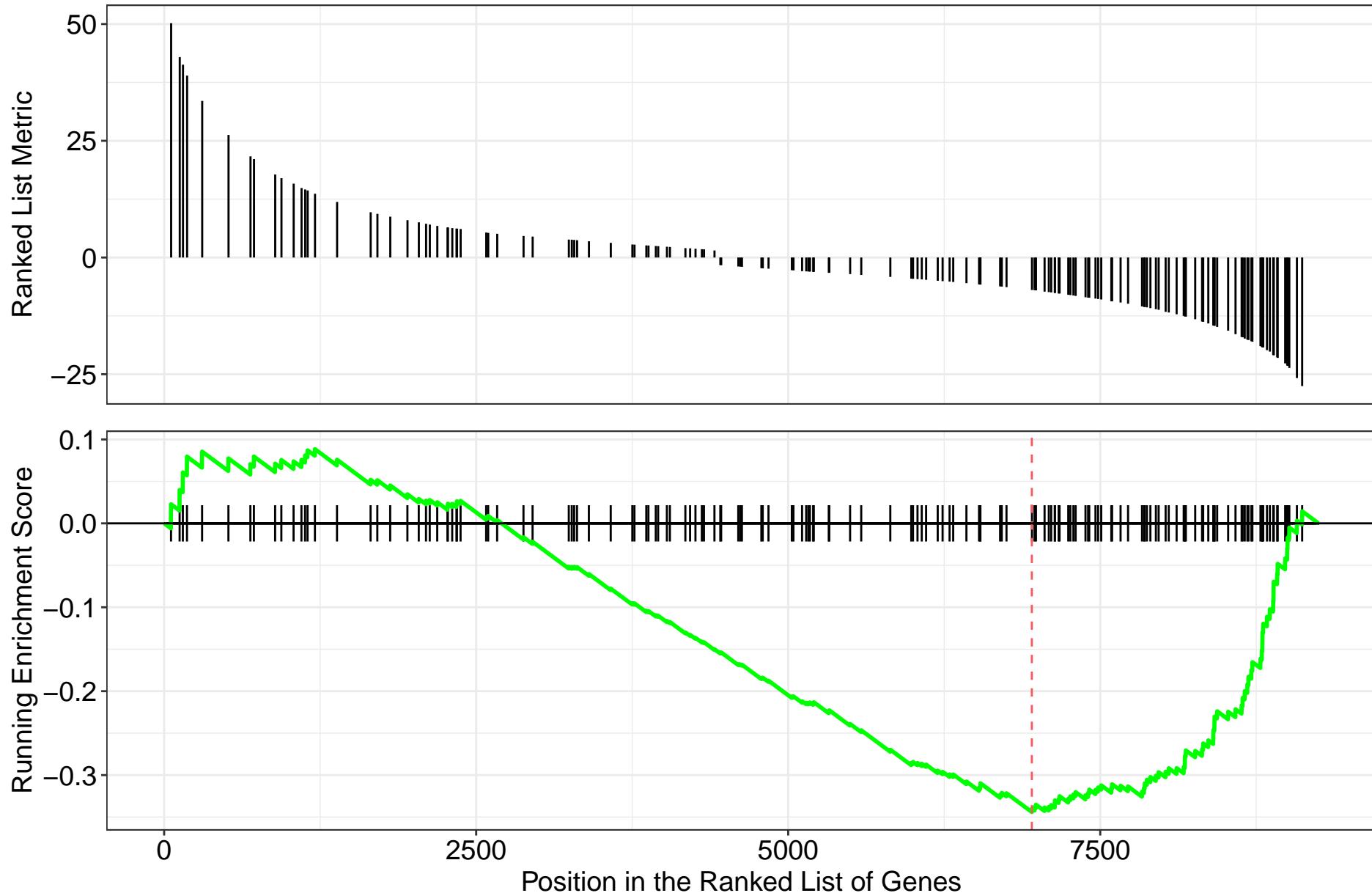
morphogenesis of a branching structure



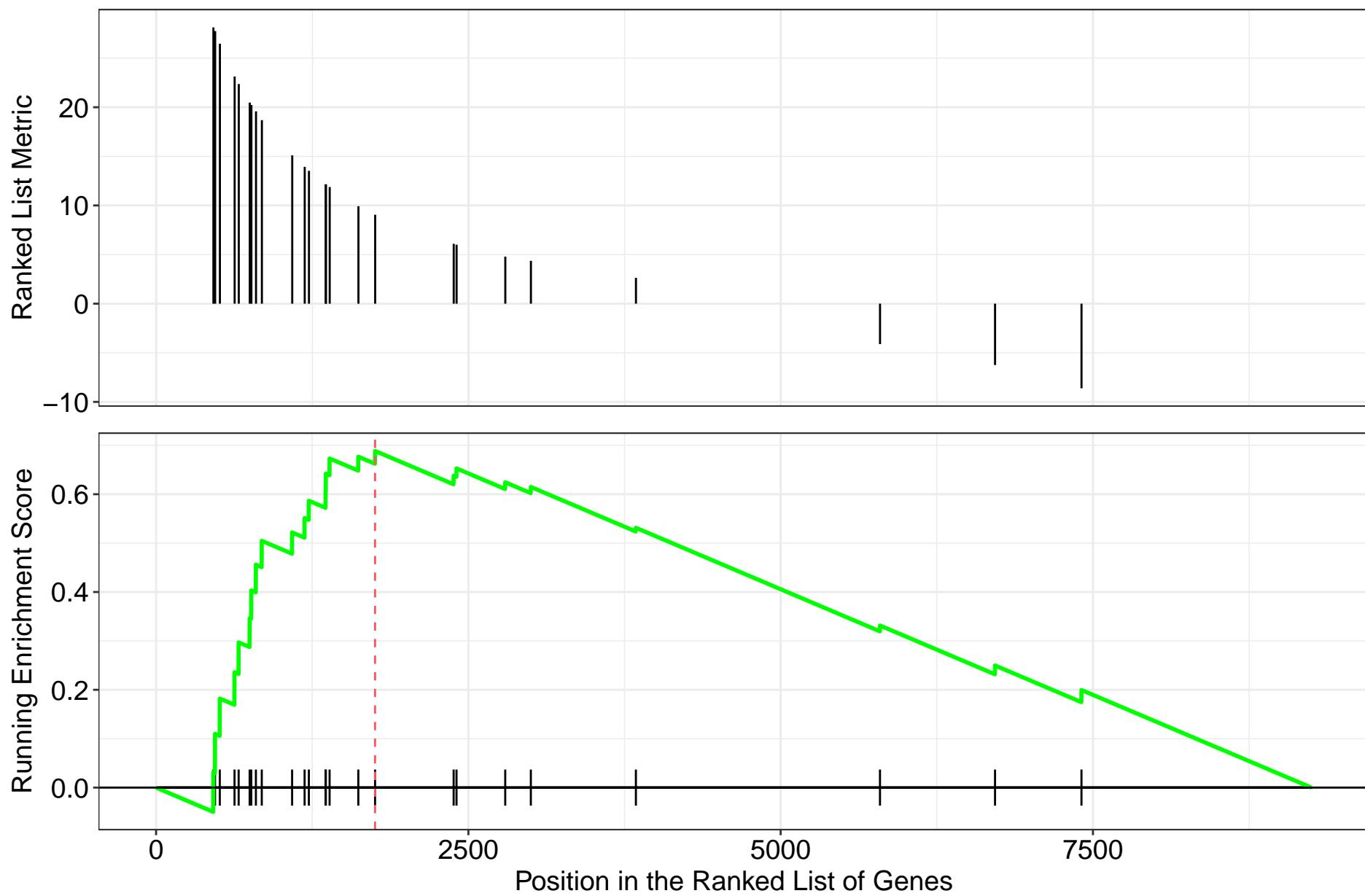
positive regulation of lipase activity



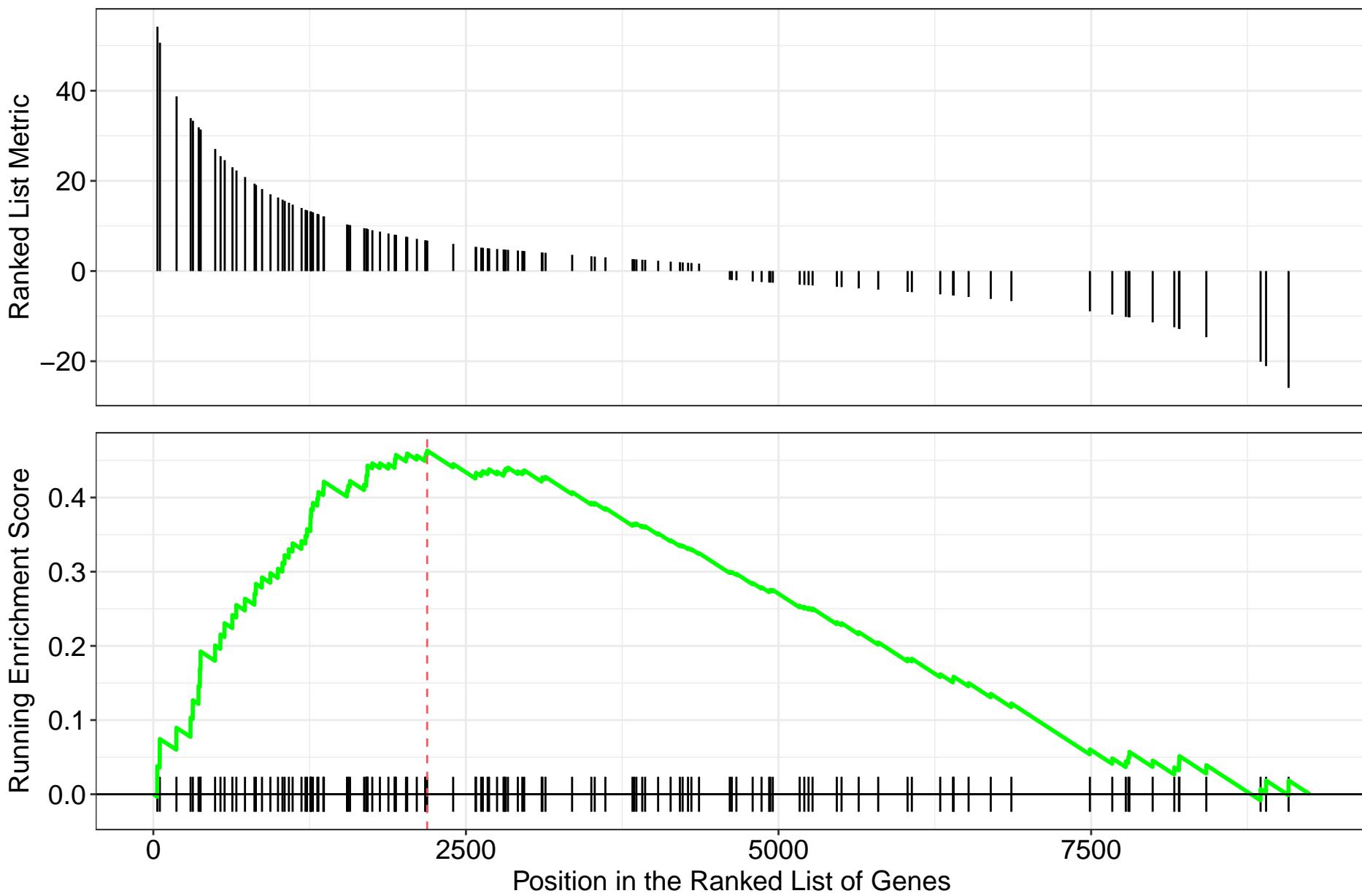
negative regulation of cell cycle phase transition



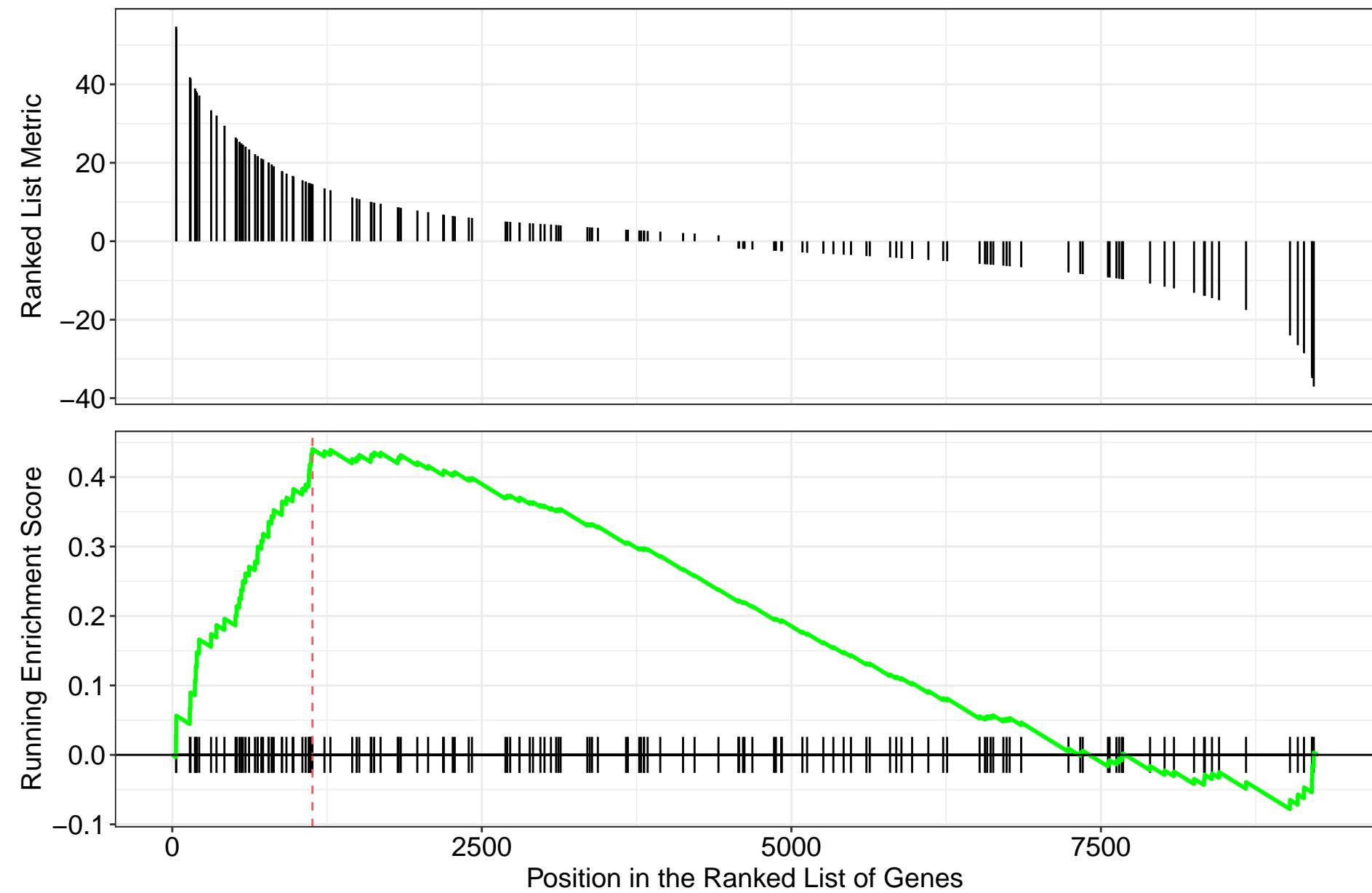
antigen processing and presentation of endogenous antigen



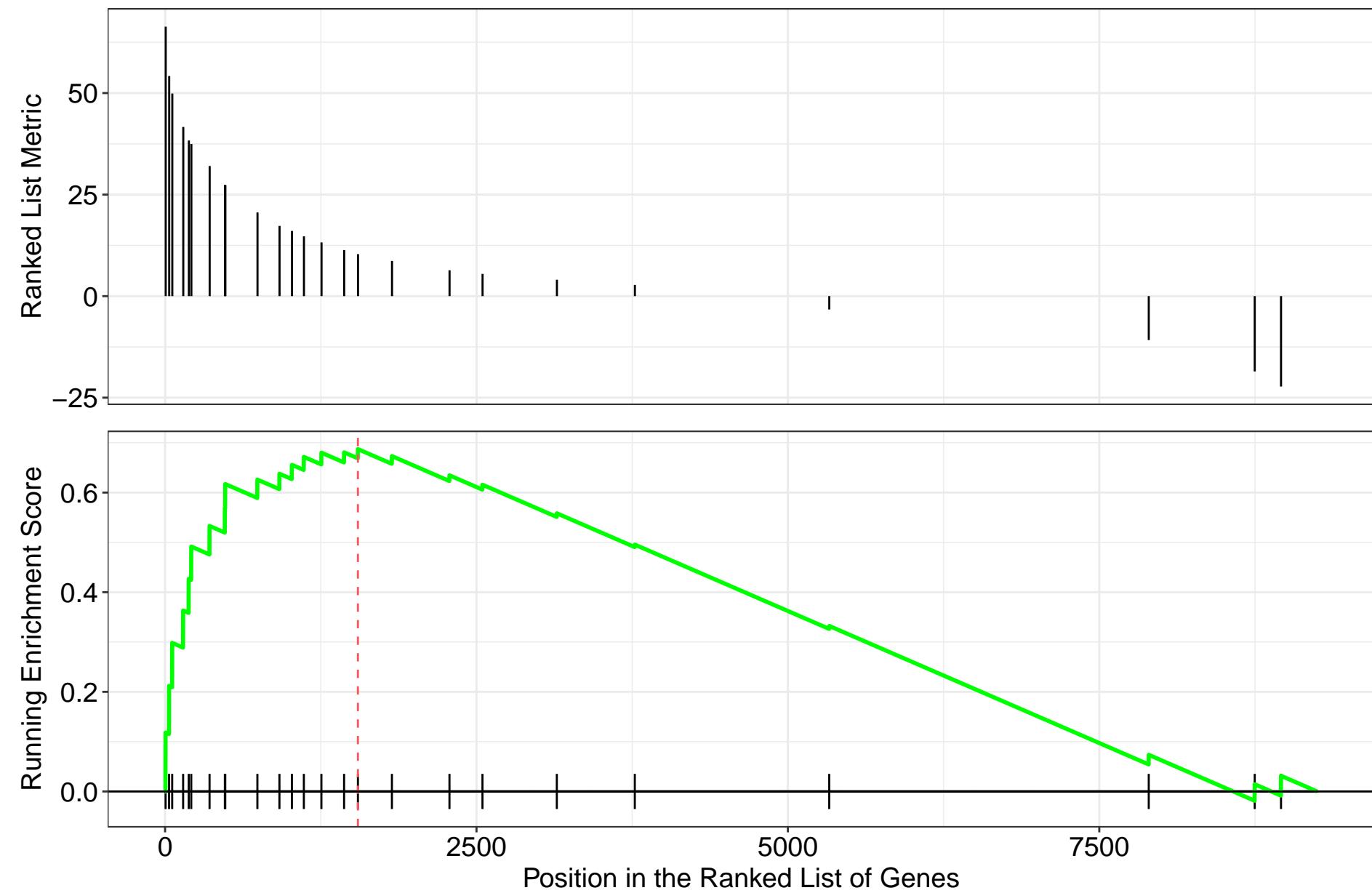
regulation of I-kappaB kinase/NF-kappaB signaling



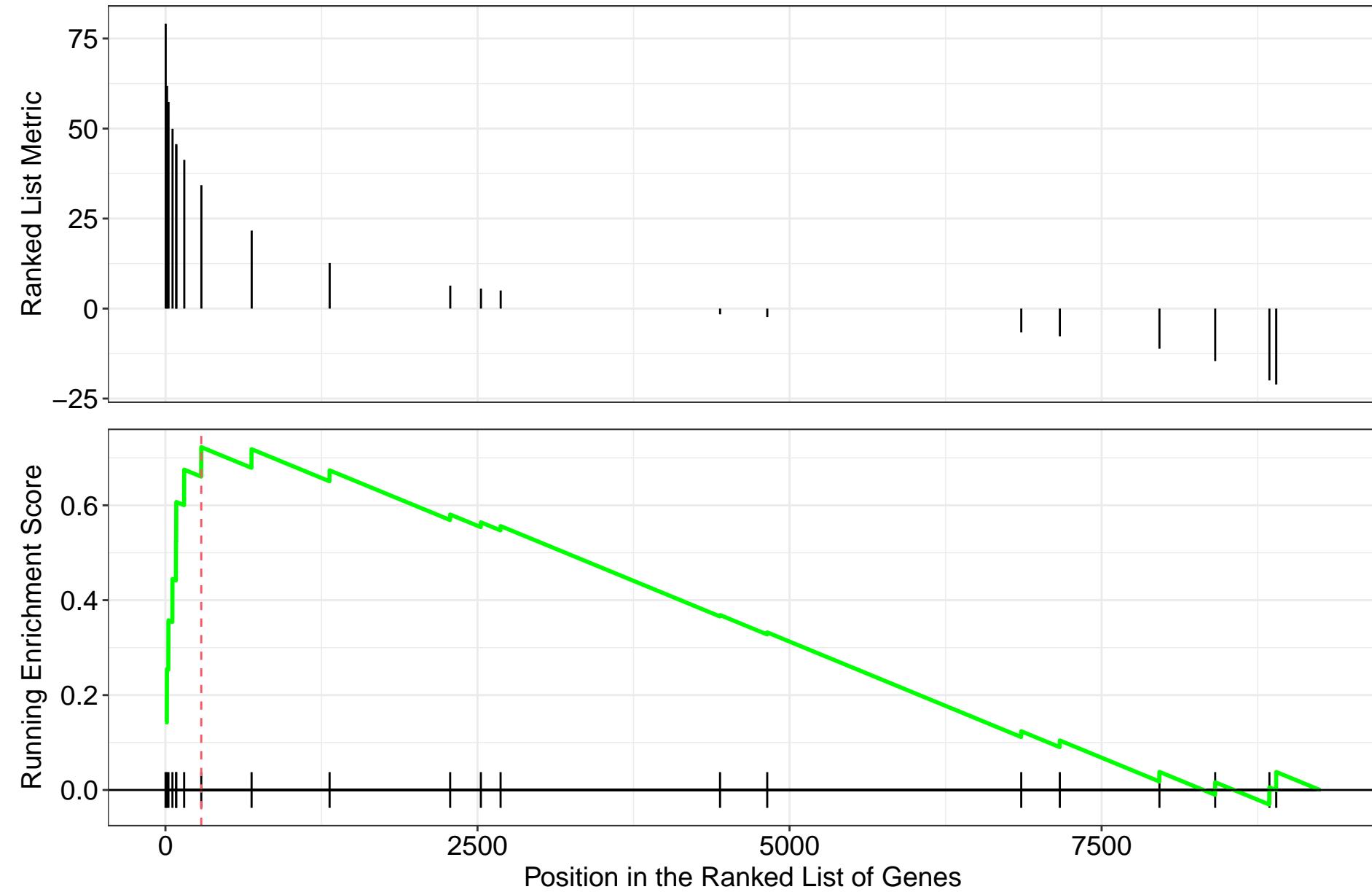
phagocytosis



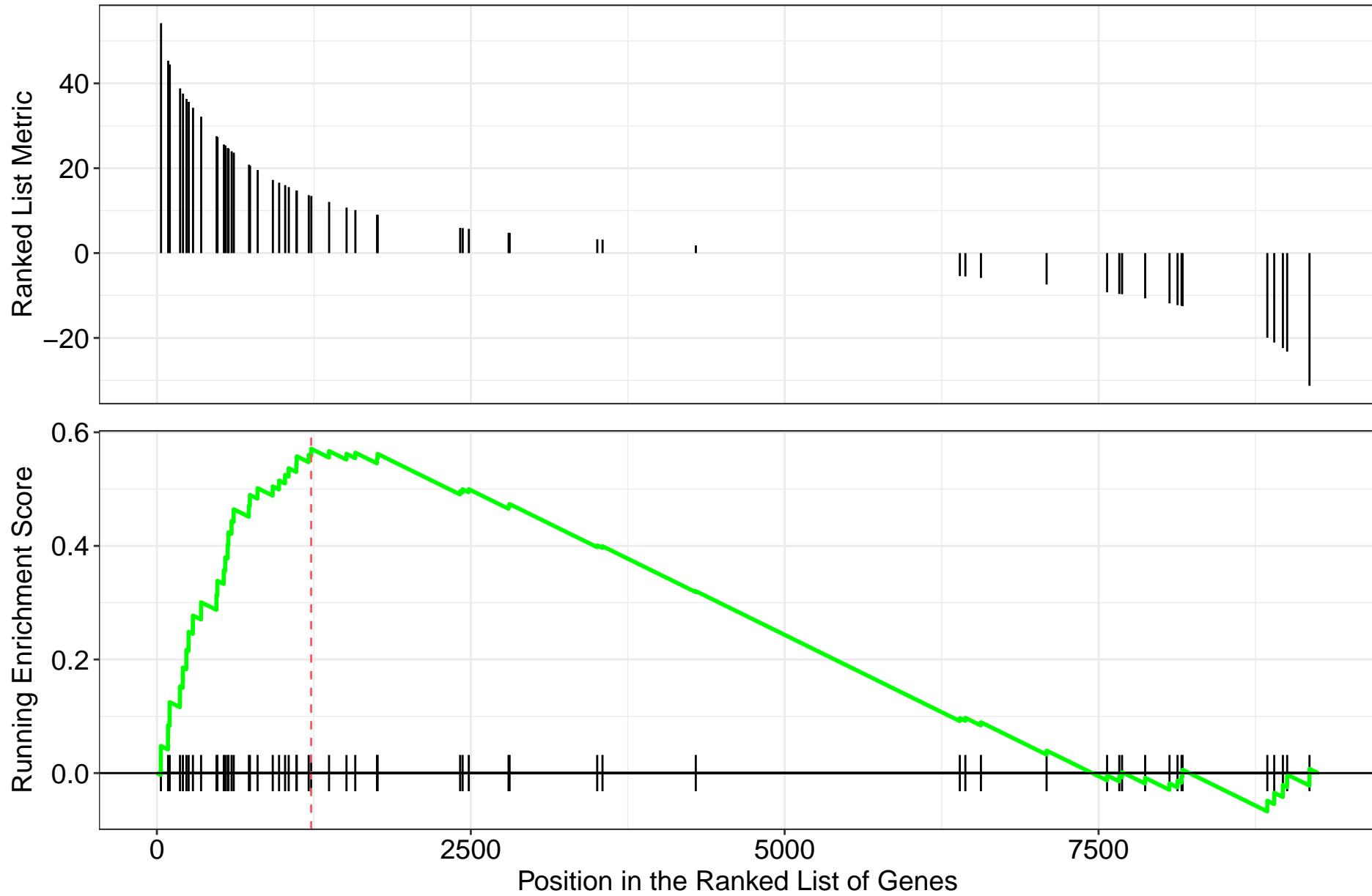
regulation of T-helper 1 type immune response



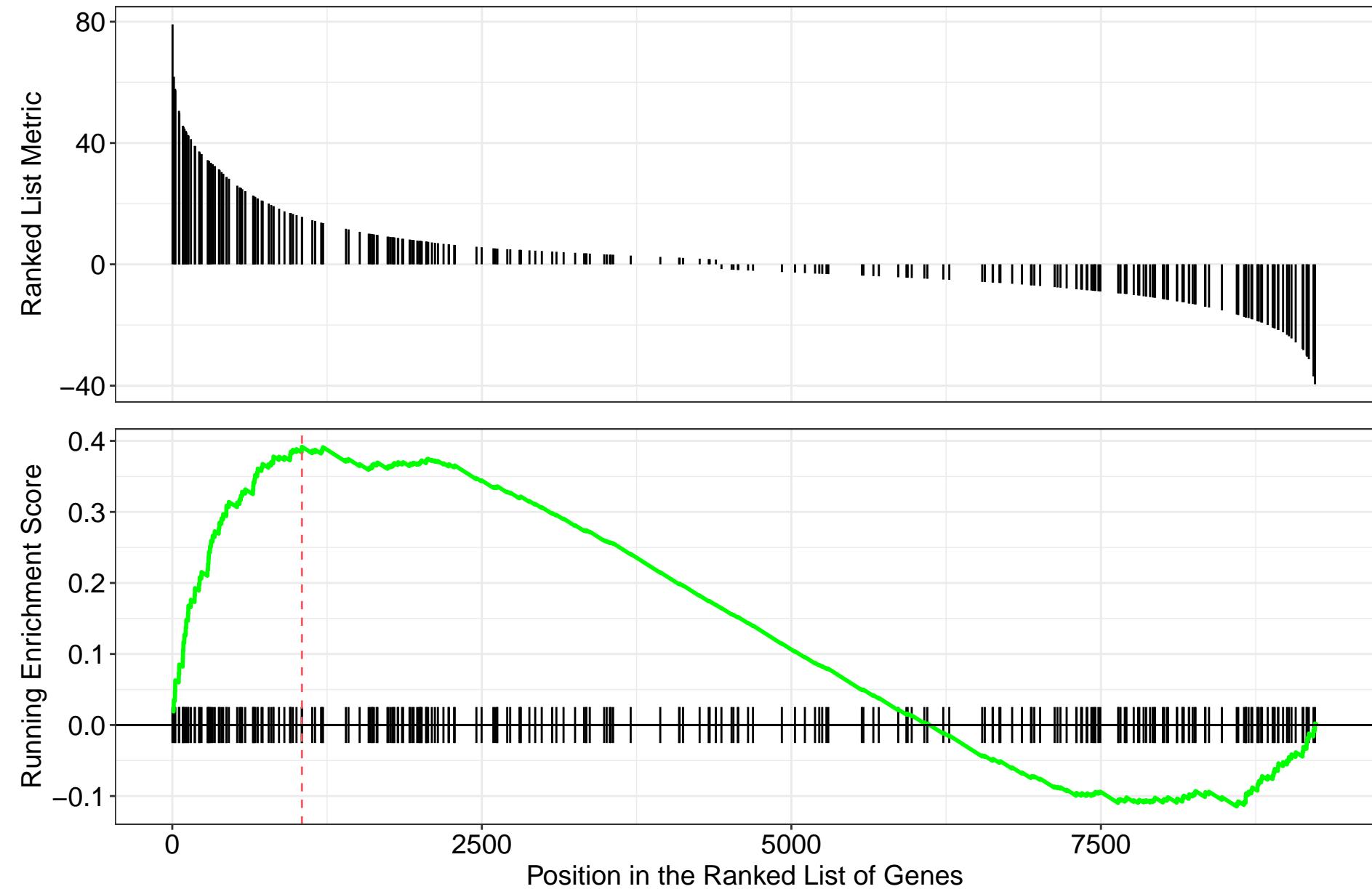
killing of cells of another organism



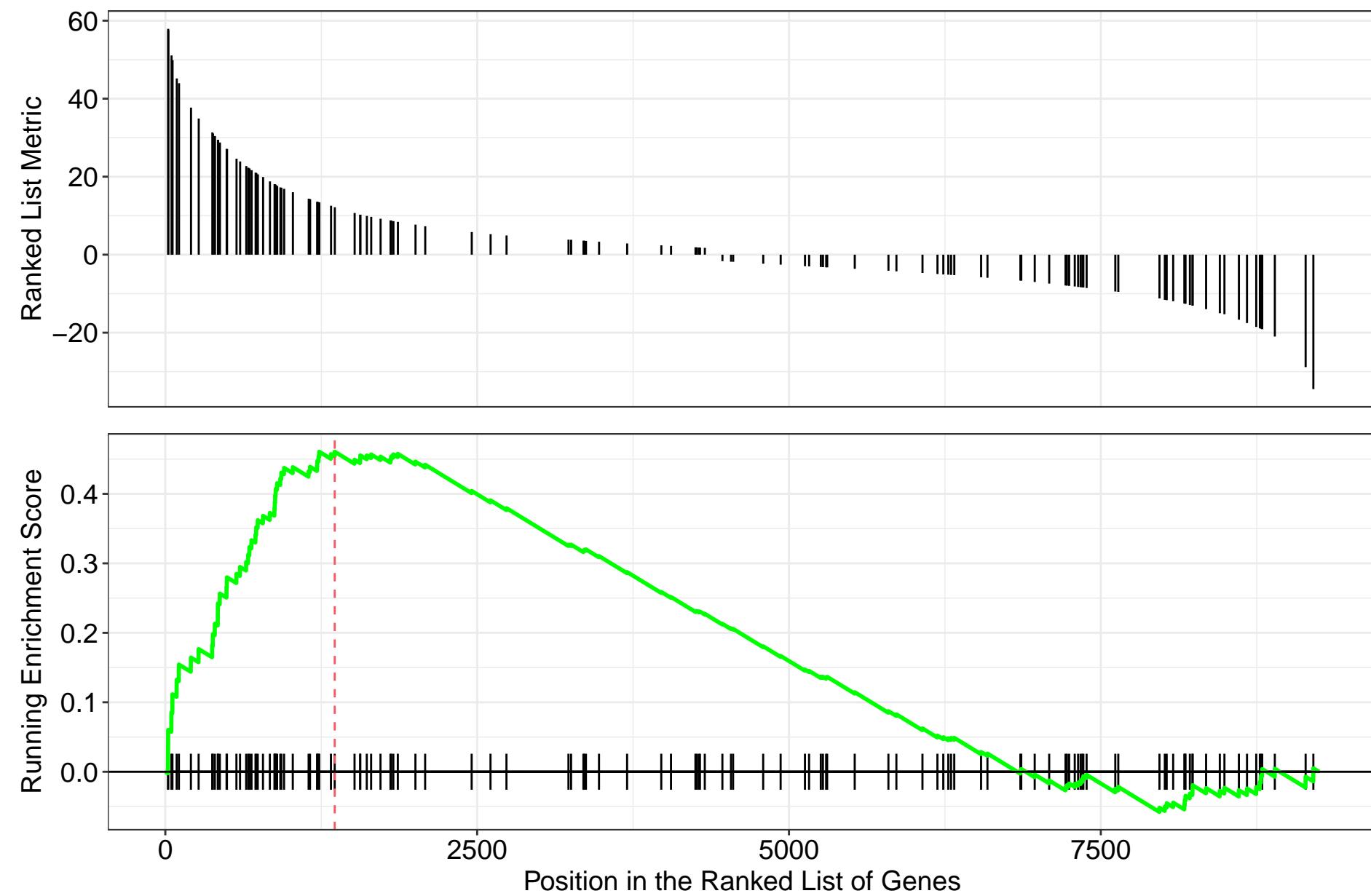
defense response to Gram-positive bacterium



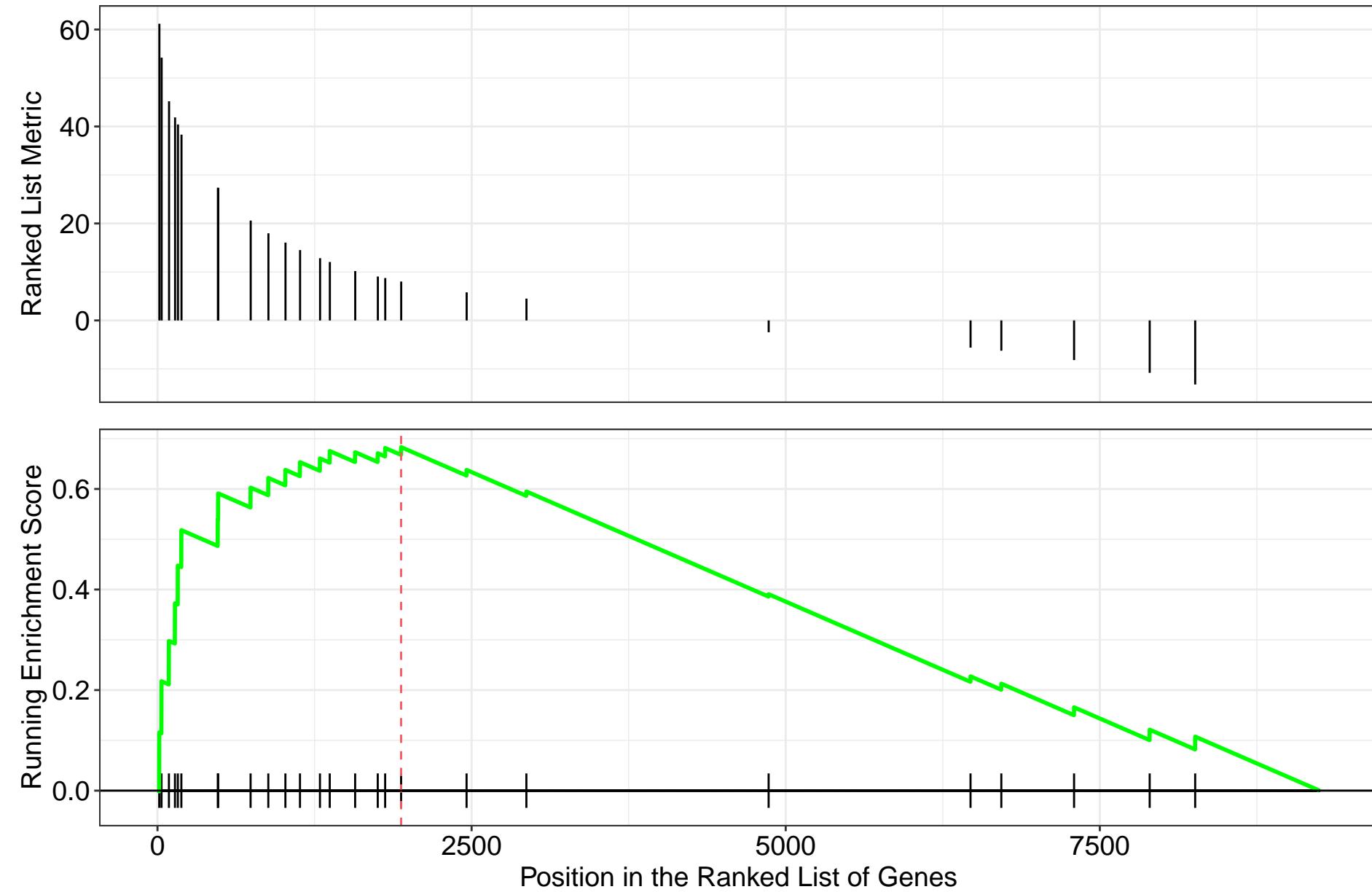
G protein-coupled receptor signaling pathway



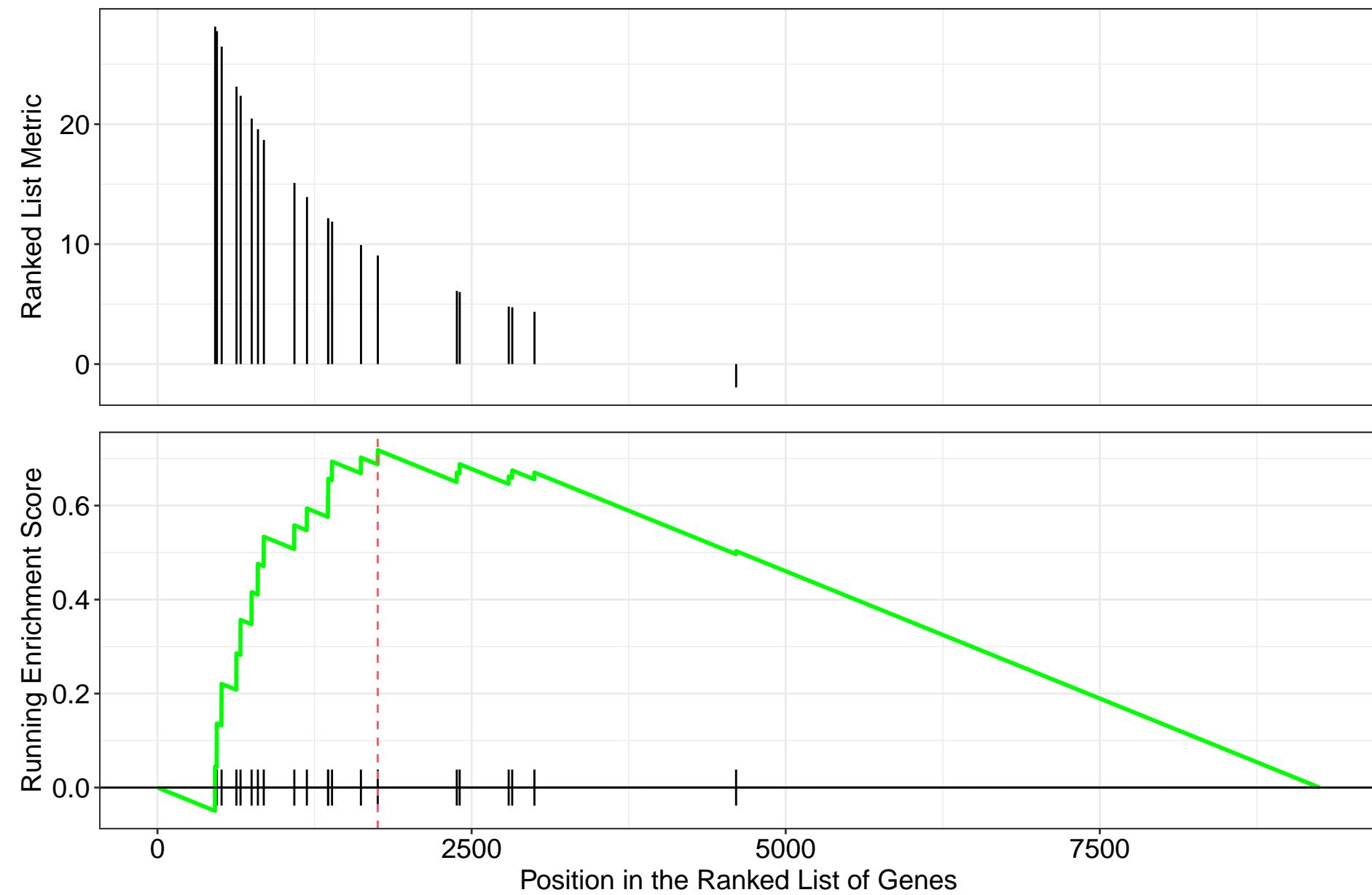
muscle cell proliferation



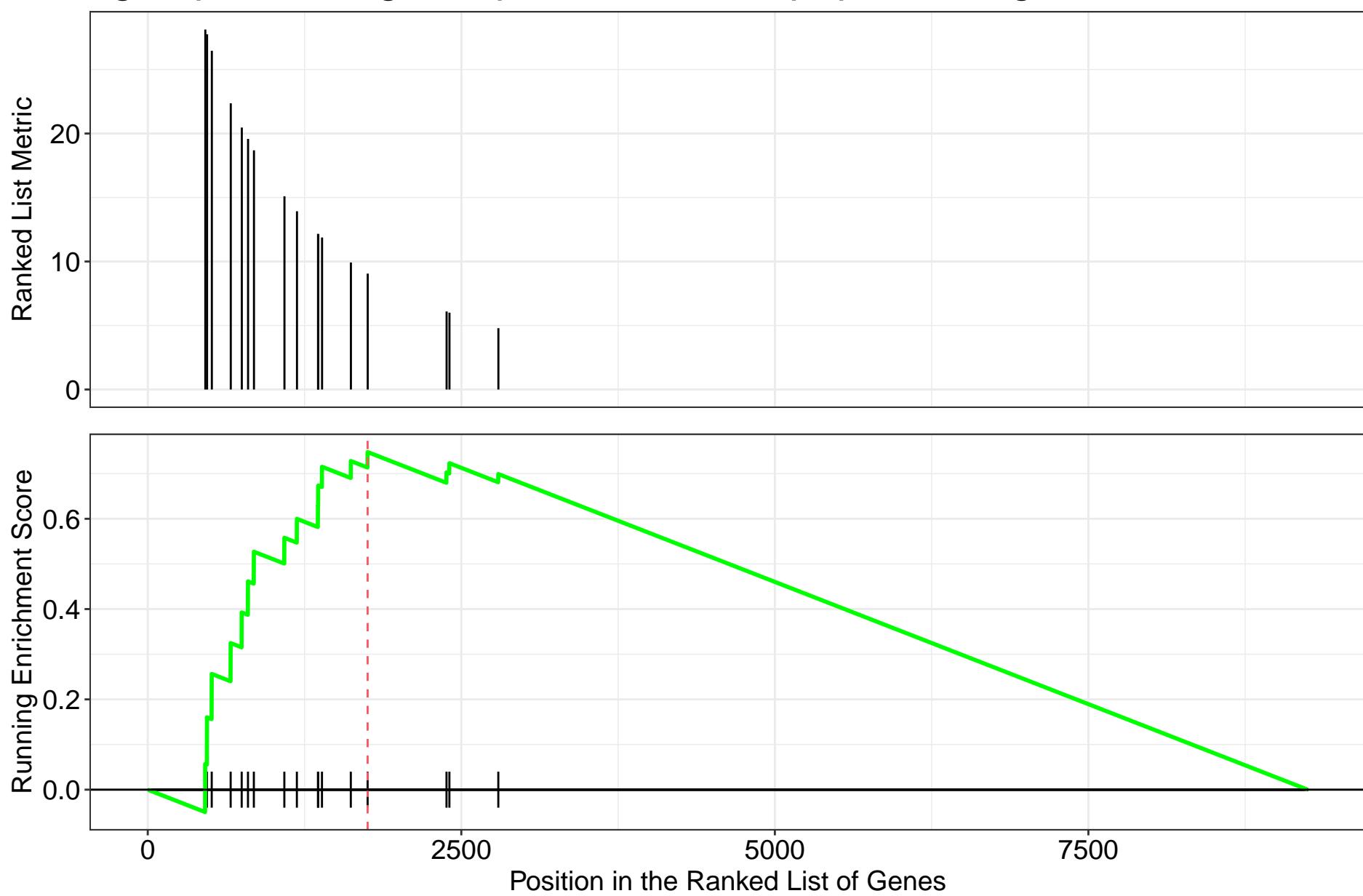
regulation of T cell cytokine production



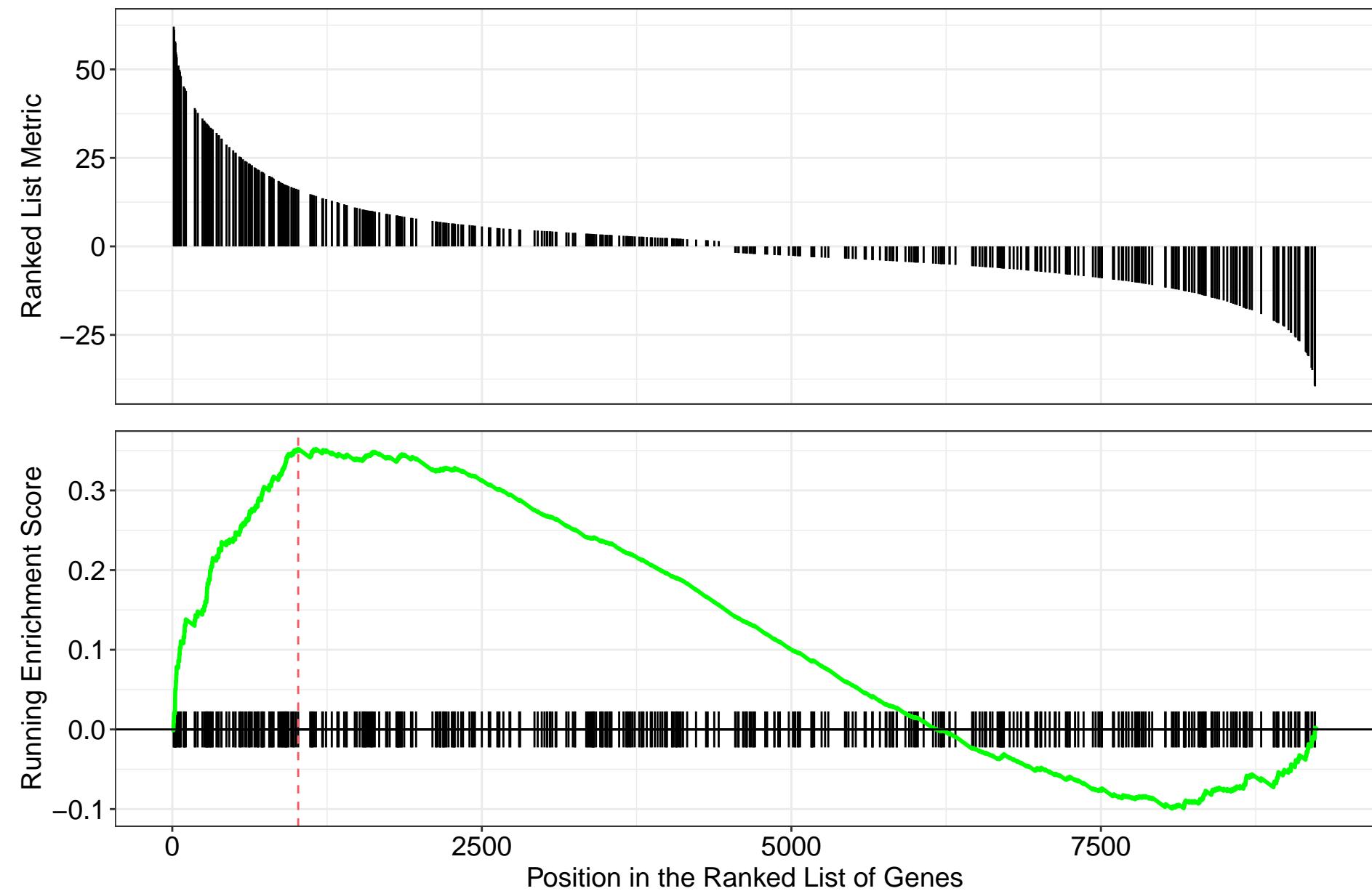
antigen processing and presentation via MHC class Ib



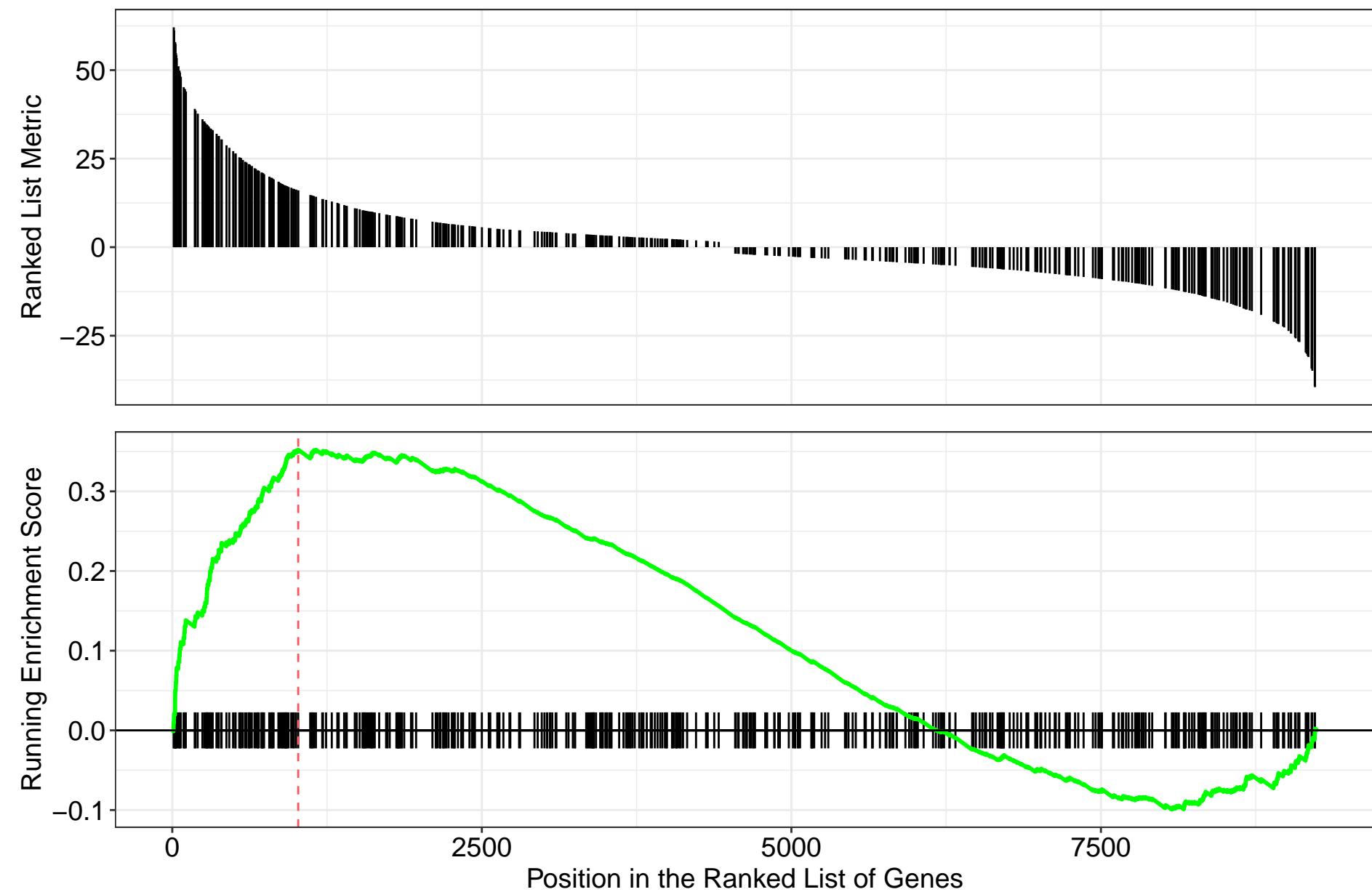
antigen processing and presentation of peptide antigen via MHC class I



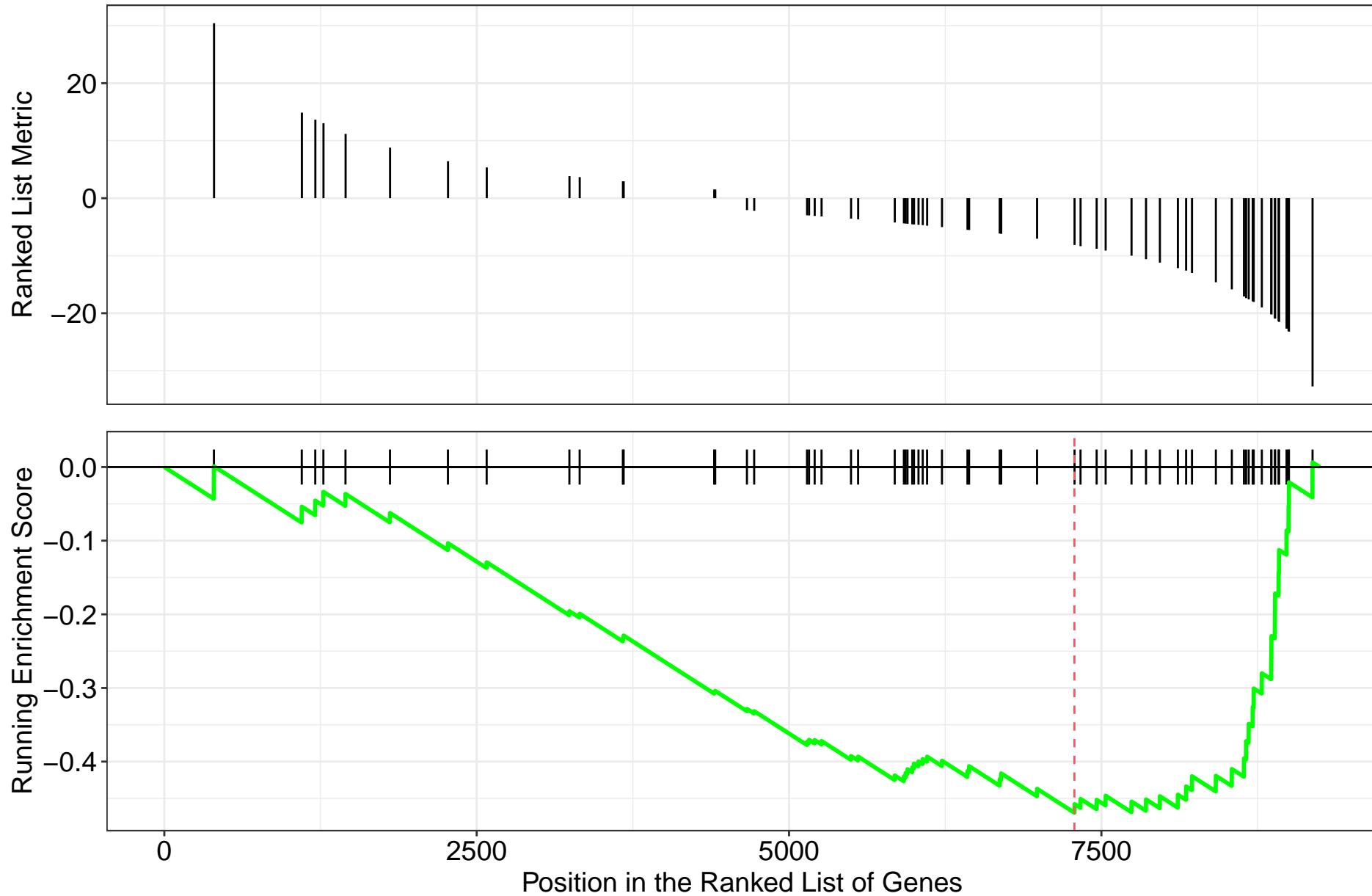
positive regulation of phosphorus metabolic process



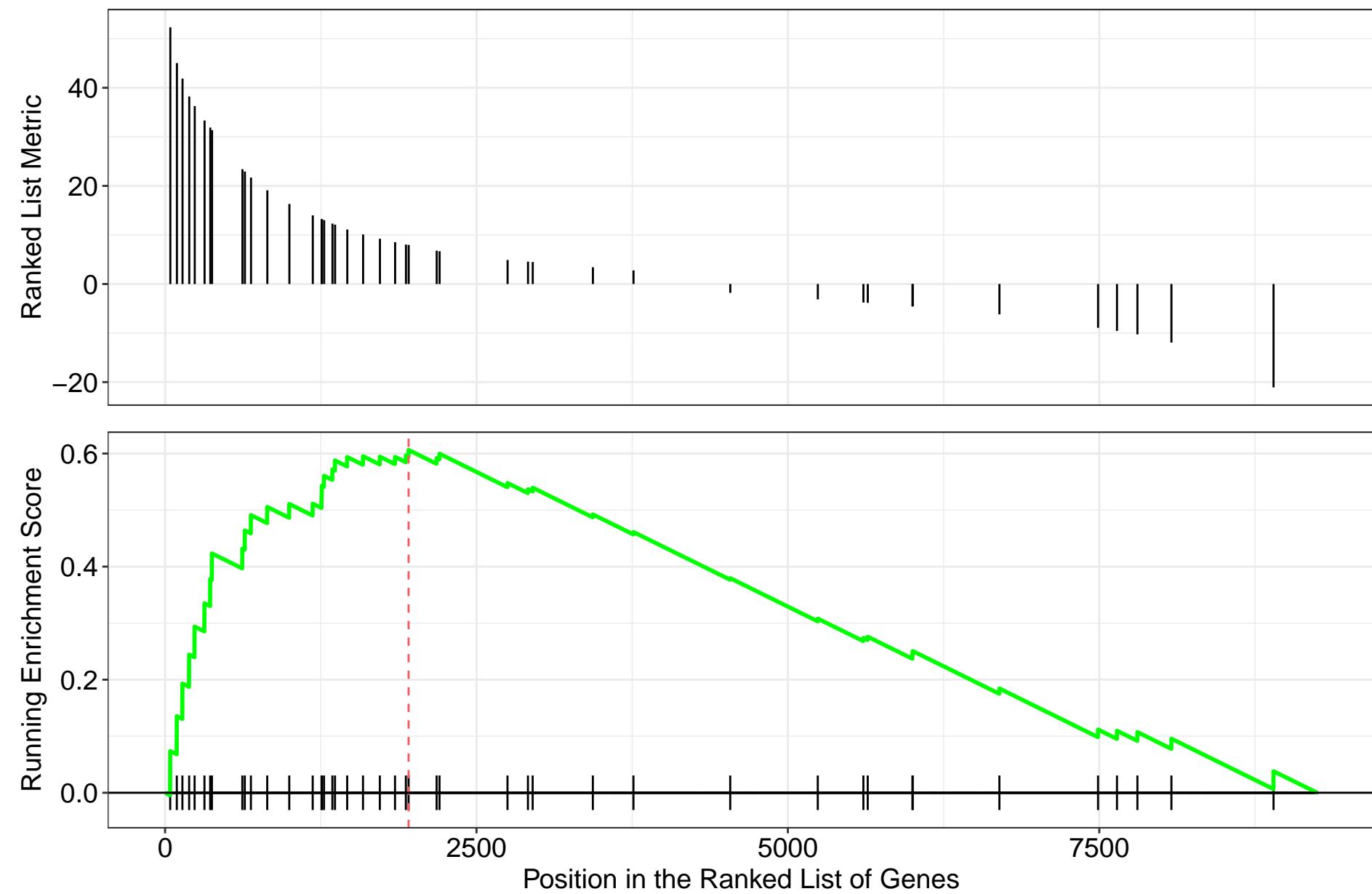
positive regulation of phosphate metabolic process



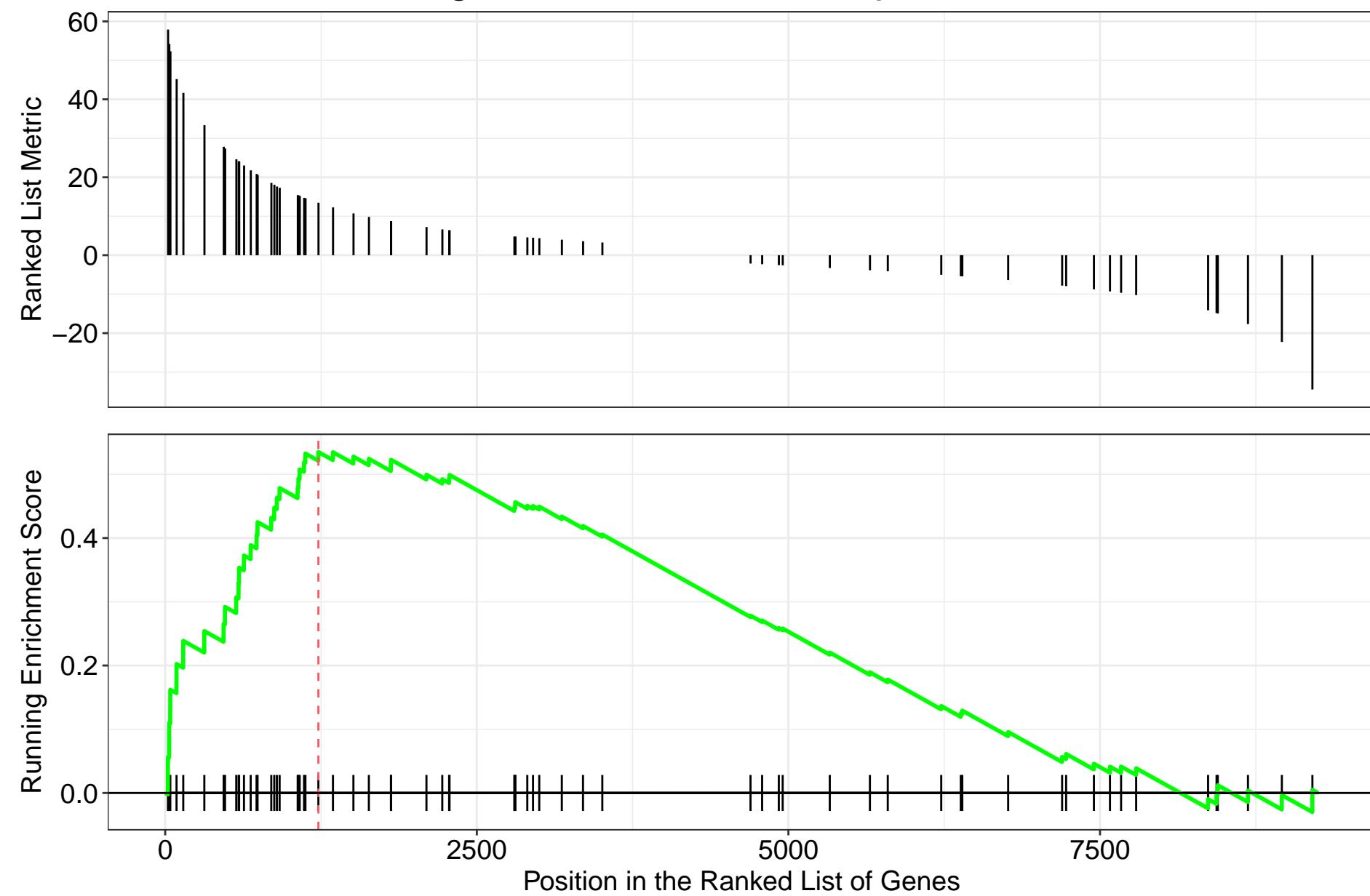
negative regulation of chromosome organization



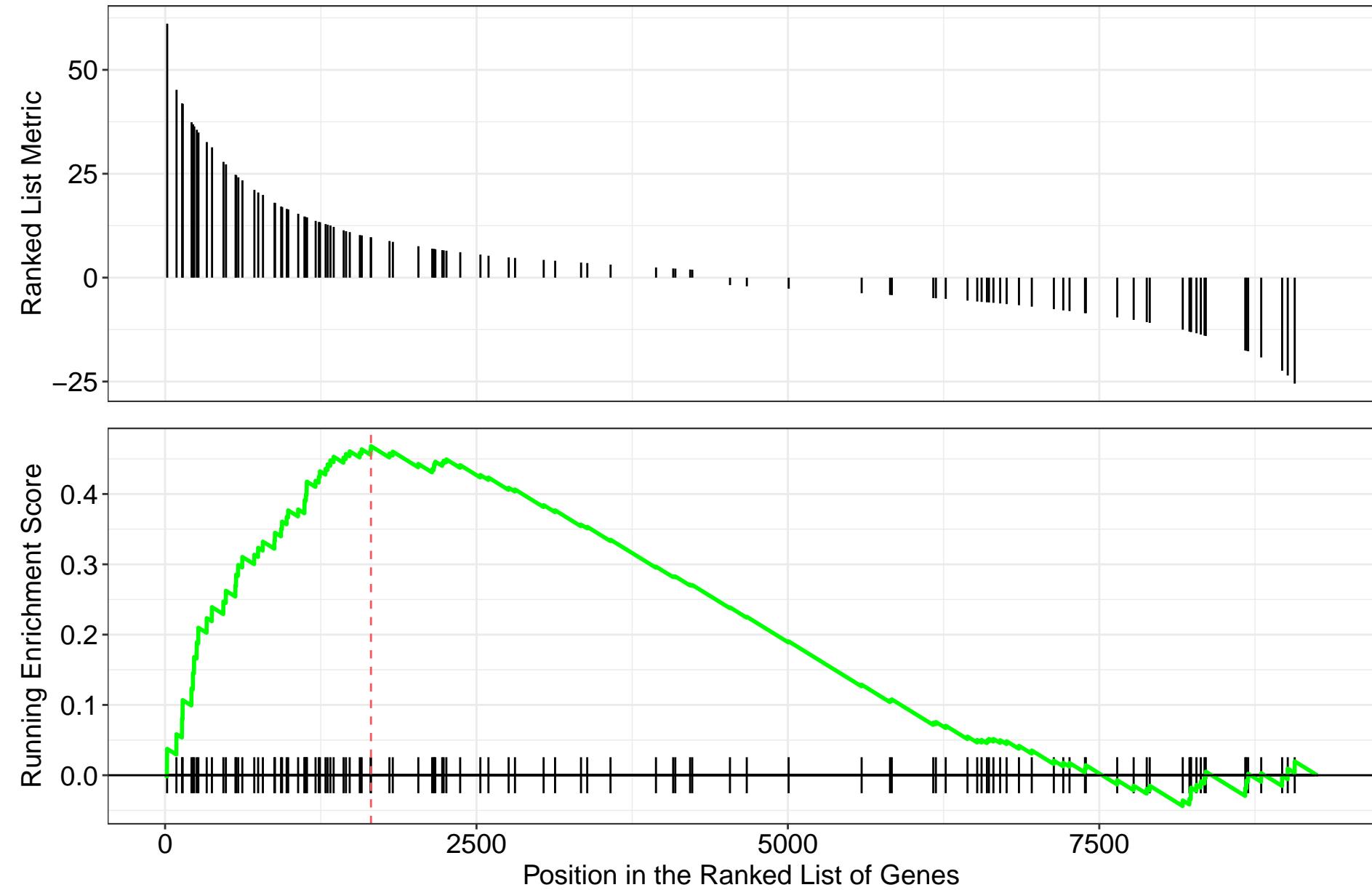
regulation of biological process involved in symbiotic interaction



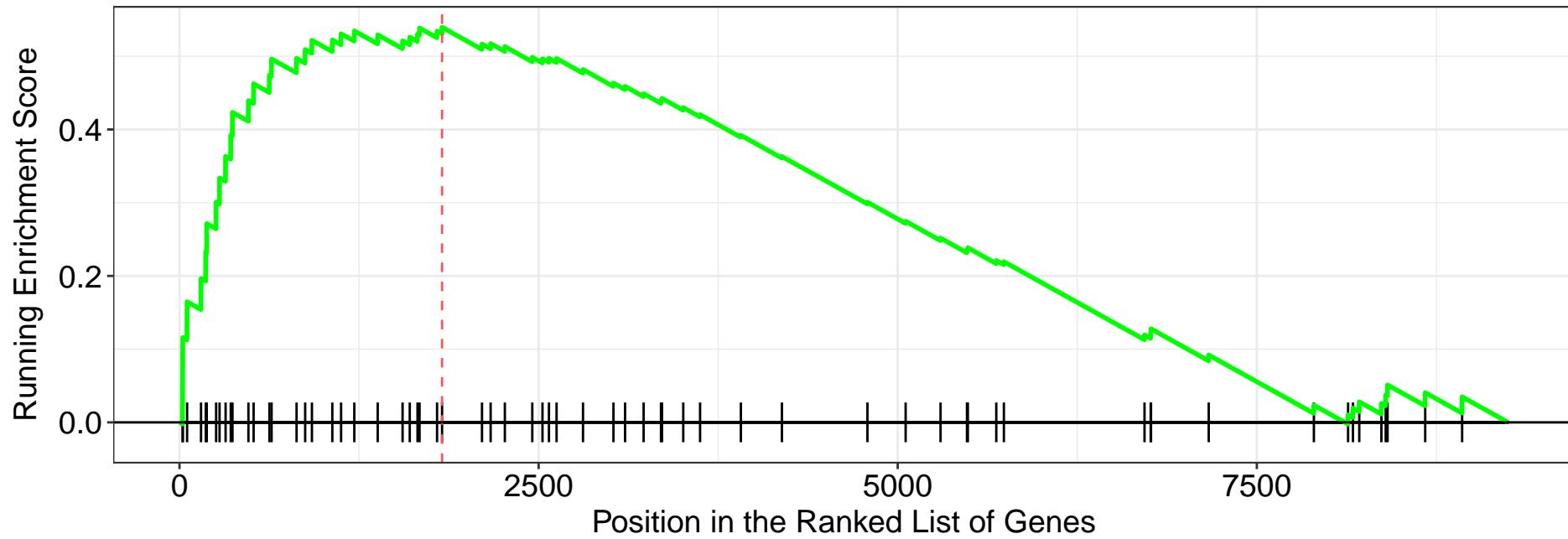
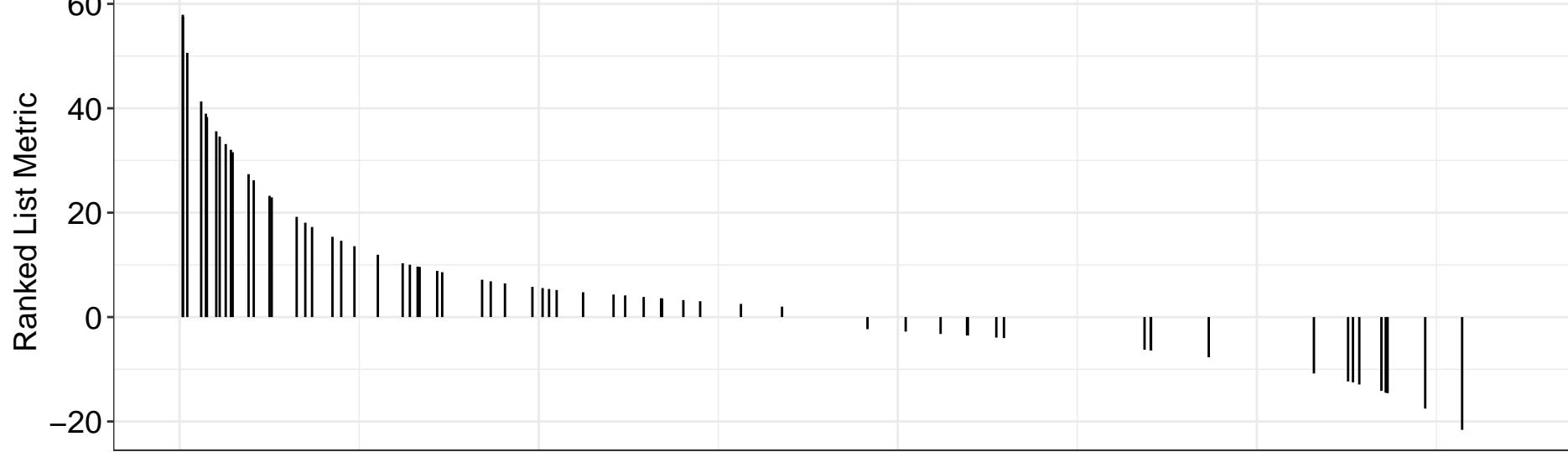
regulation of chemokine production



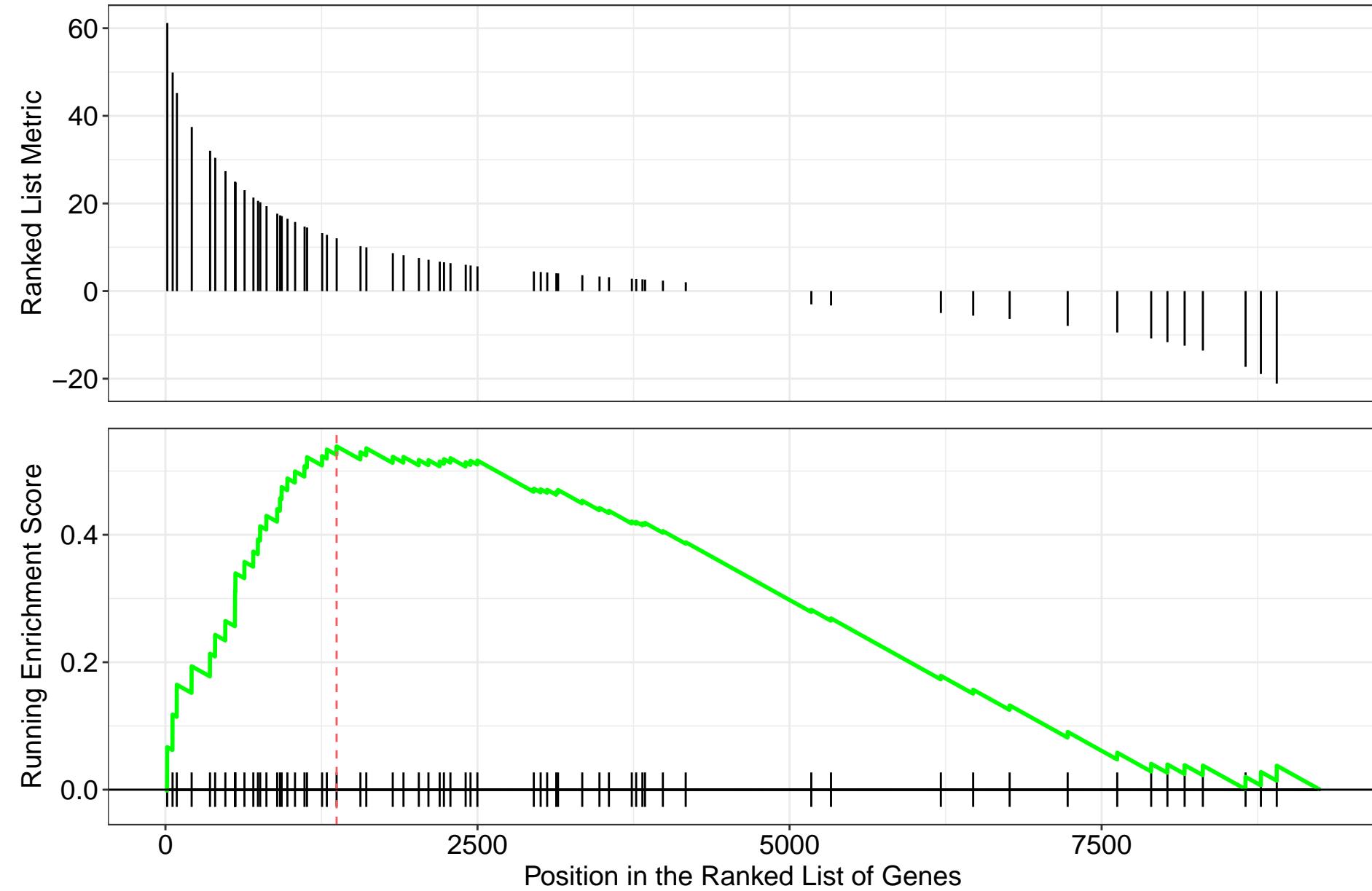
extracellular structure organization



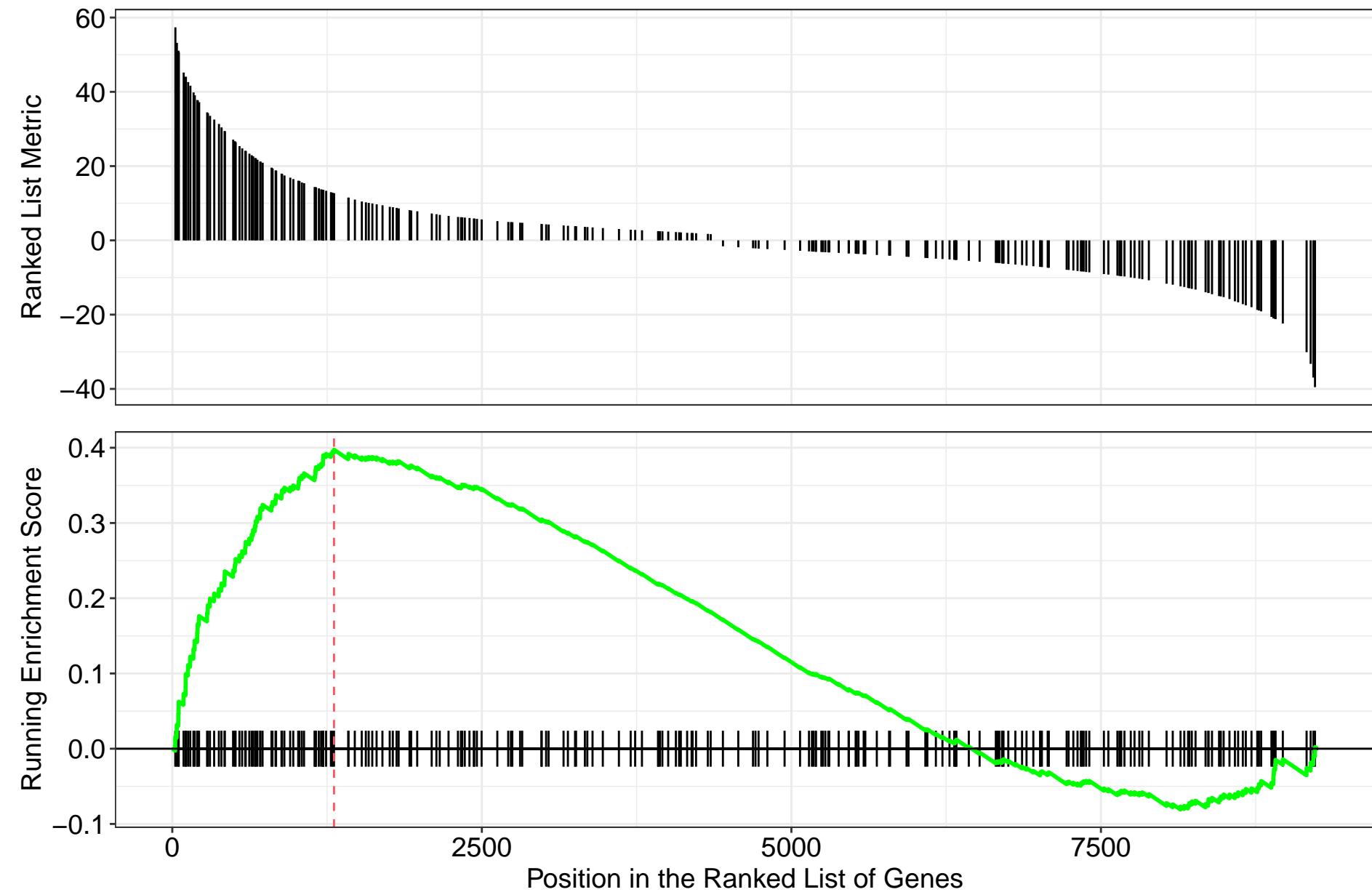
regulation of mononuclear cell migration



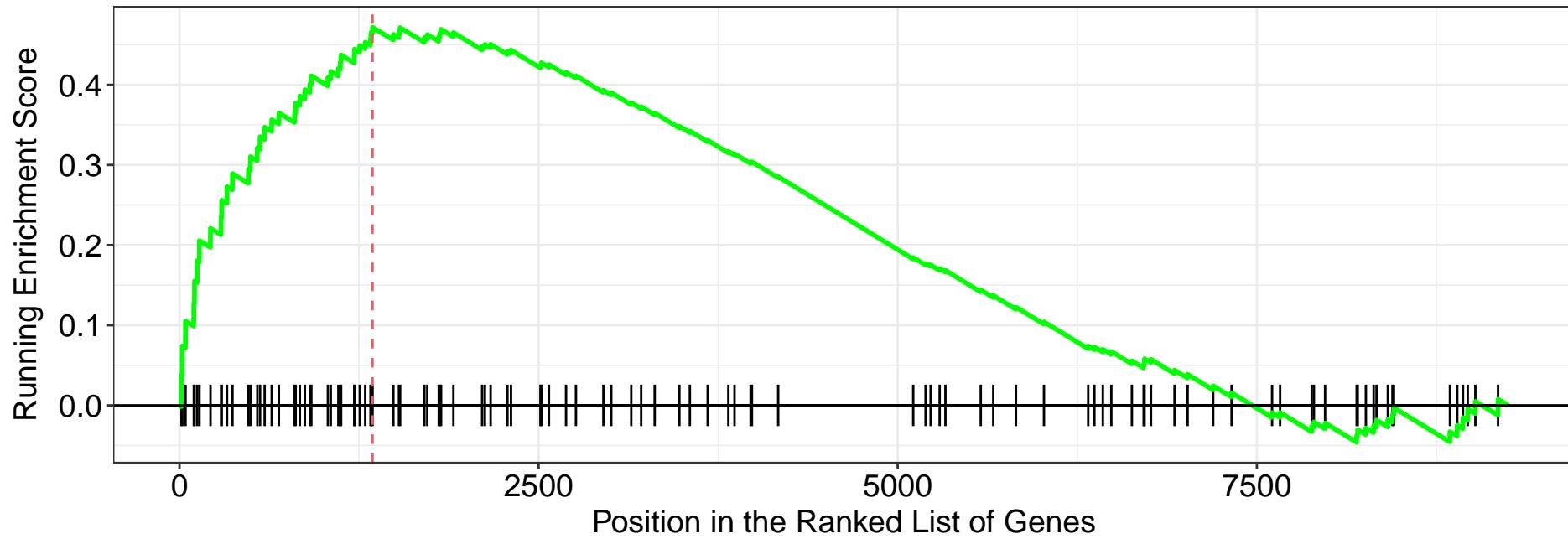
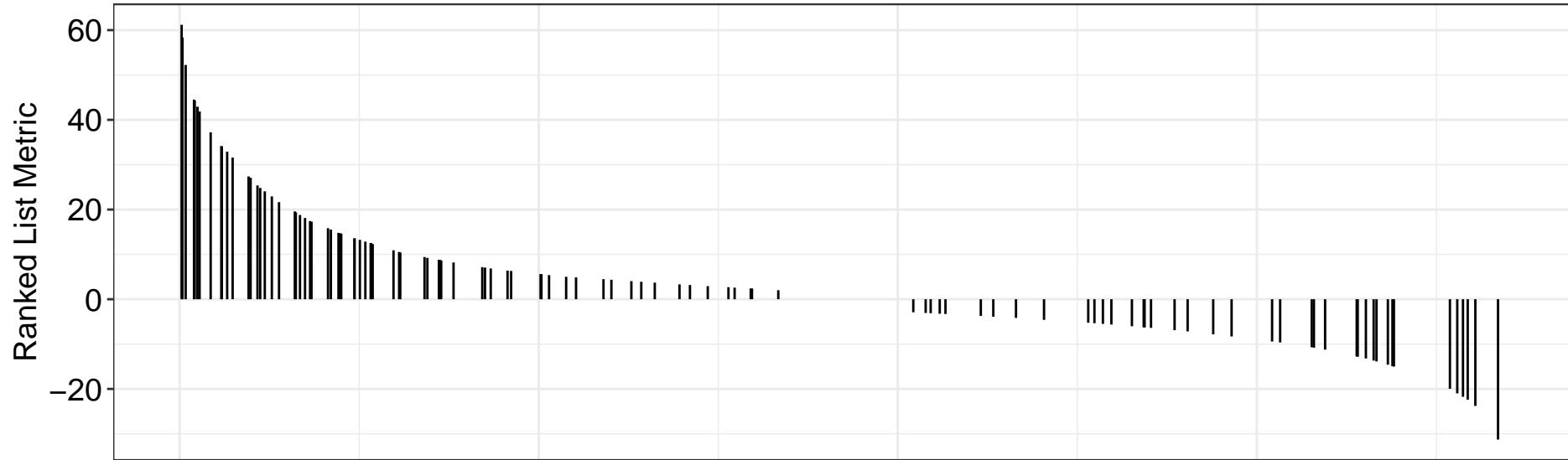
T cell activation involved in immune response



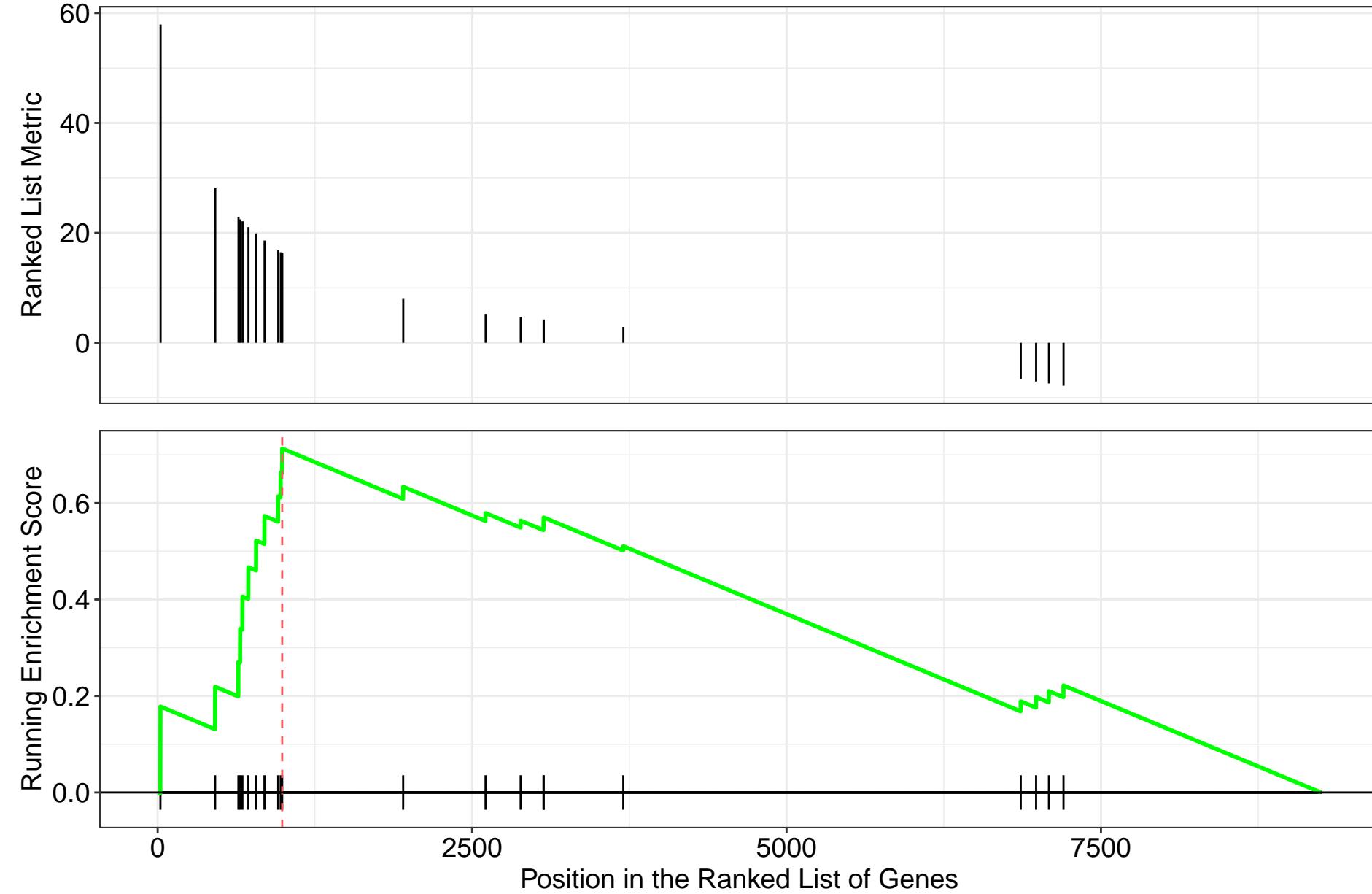
regulation of system process



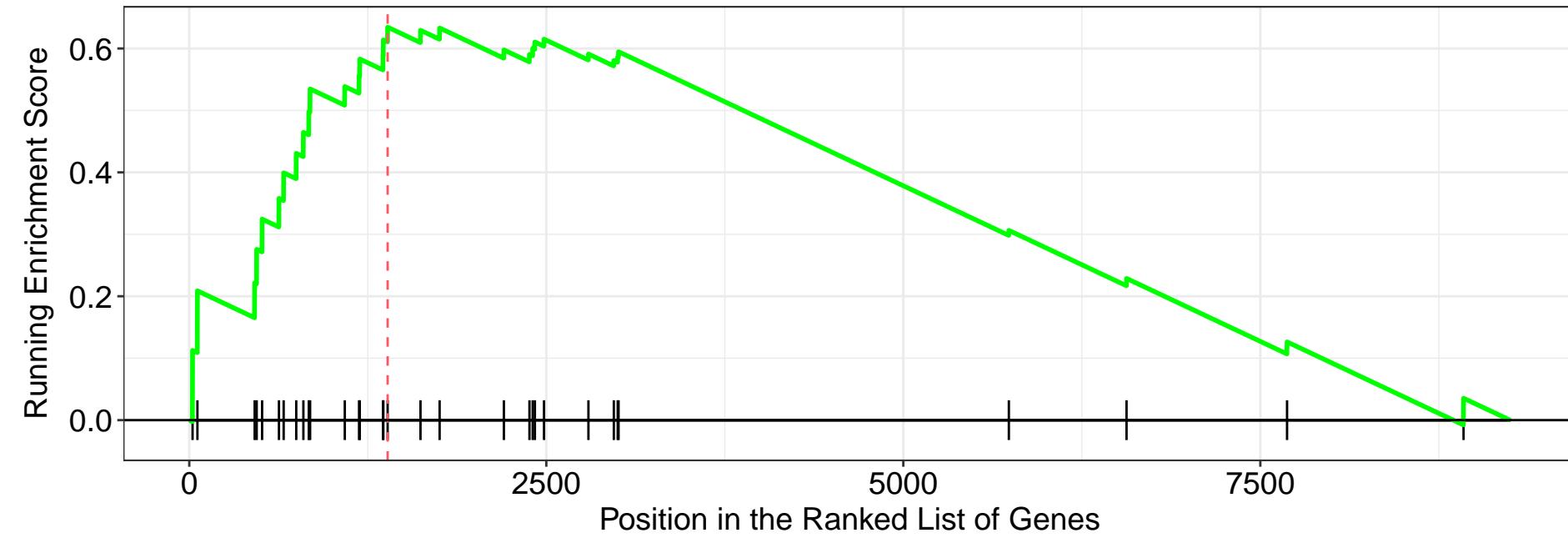
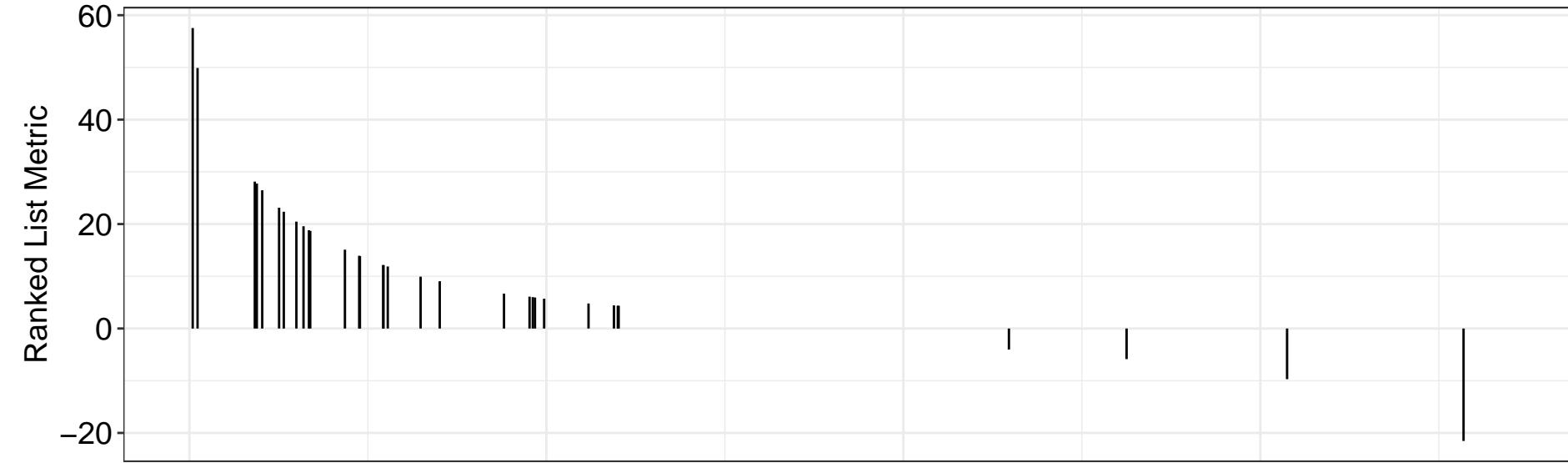
negative regulation of leukocyte activation



positive regulation of phospholipase activity

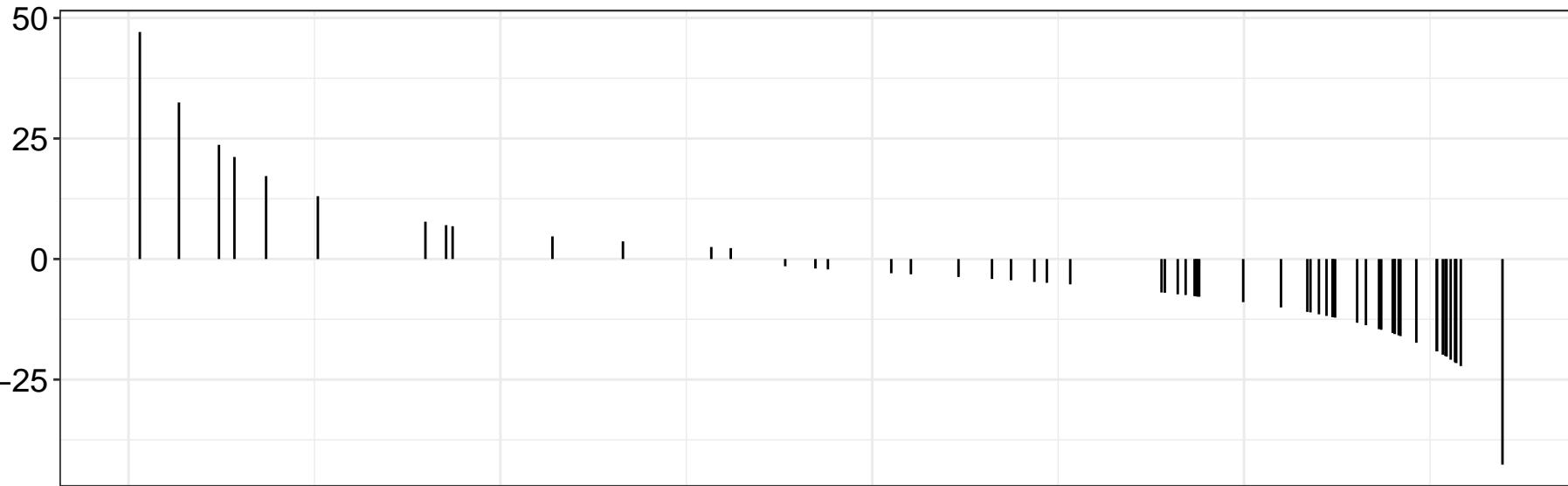


regulation of T cell mediated cytotoxicity



meiosis I

Ranked List Metric



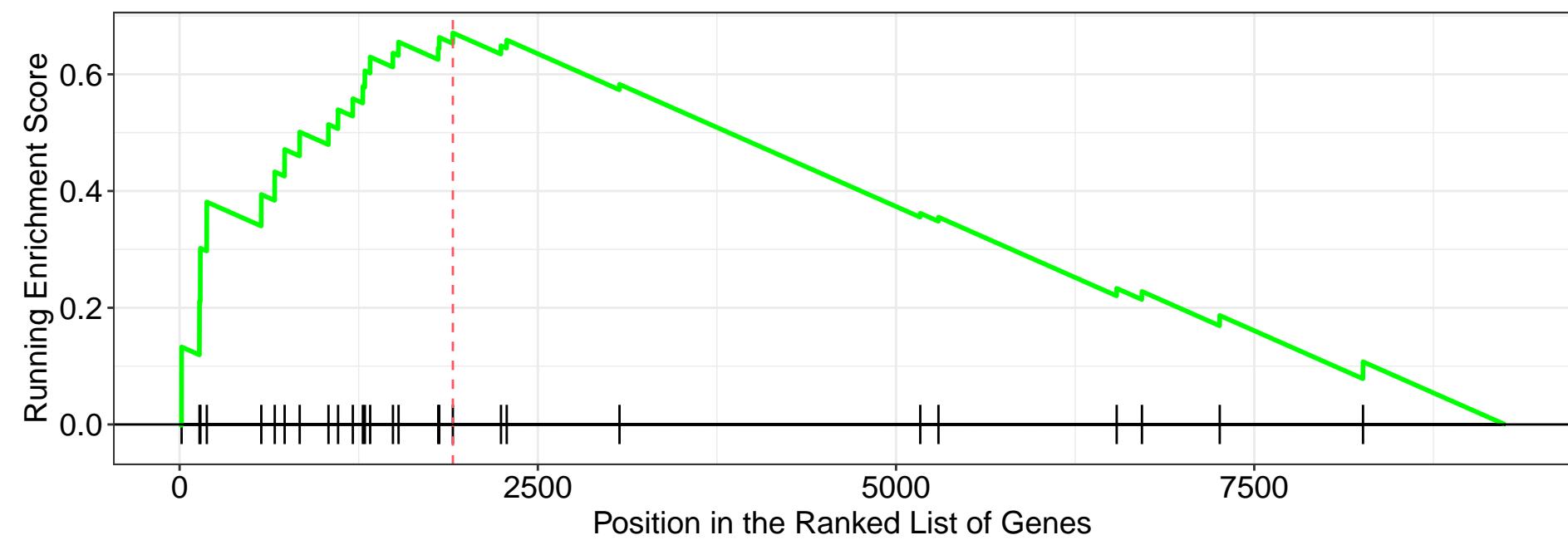
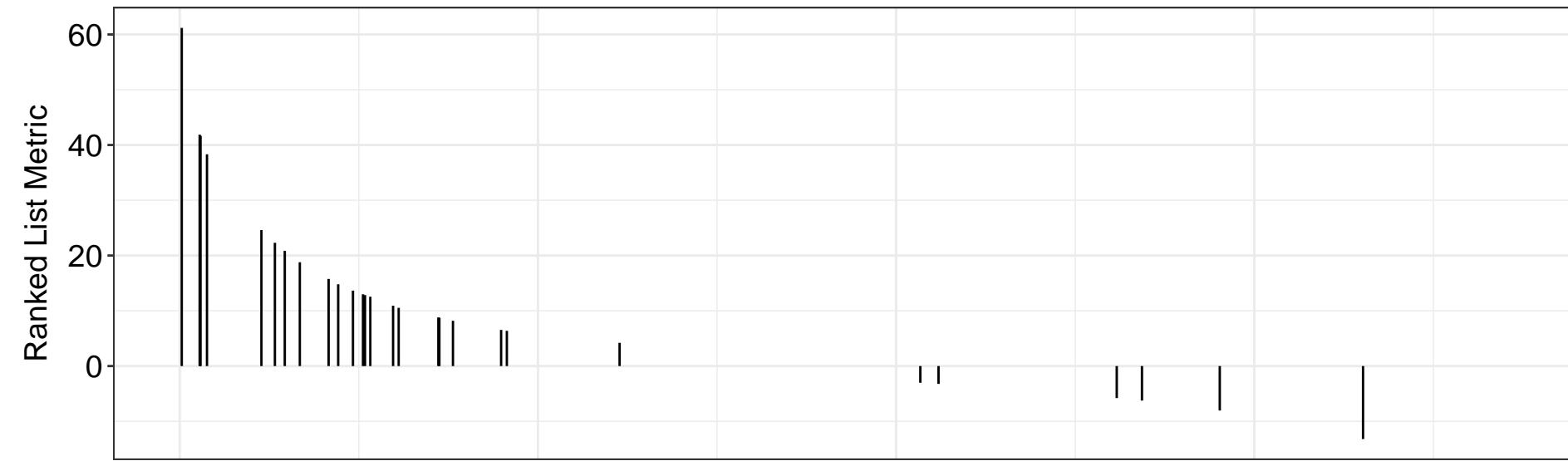
Running Enrichment Score

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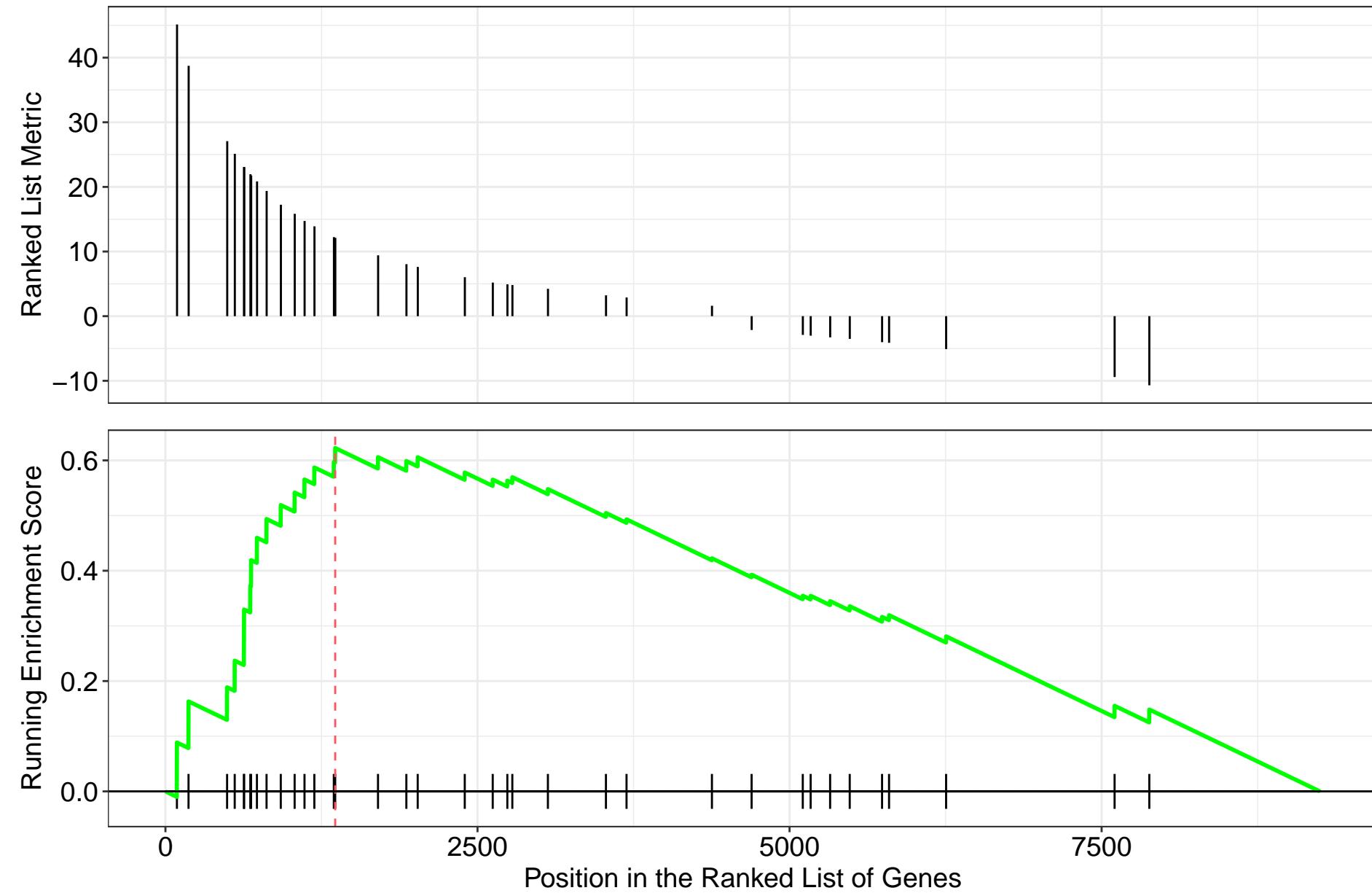
Position in the Ranked List of Genes



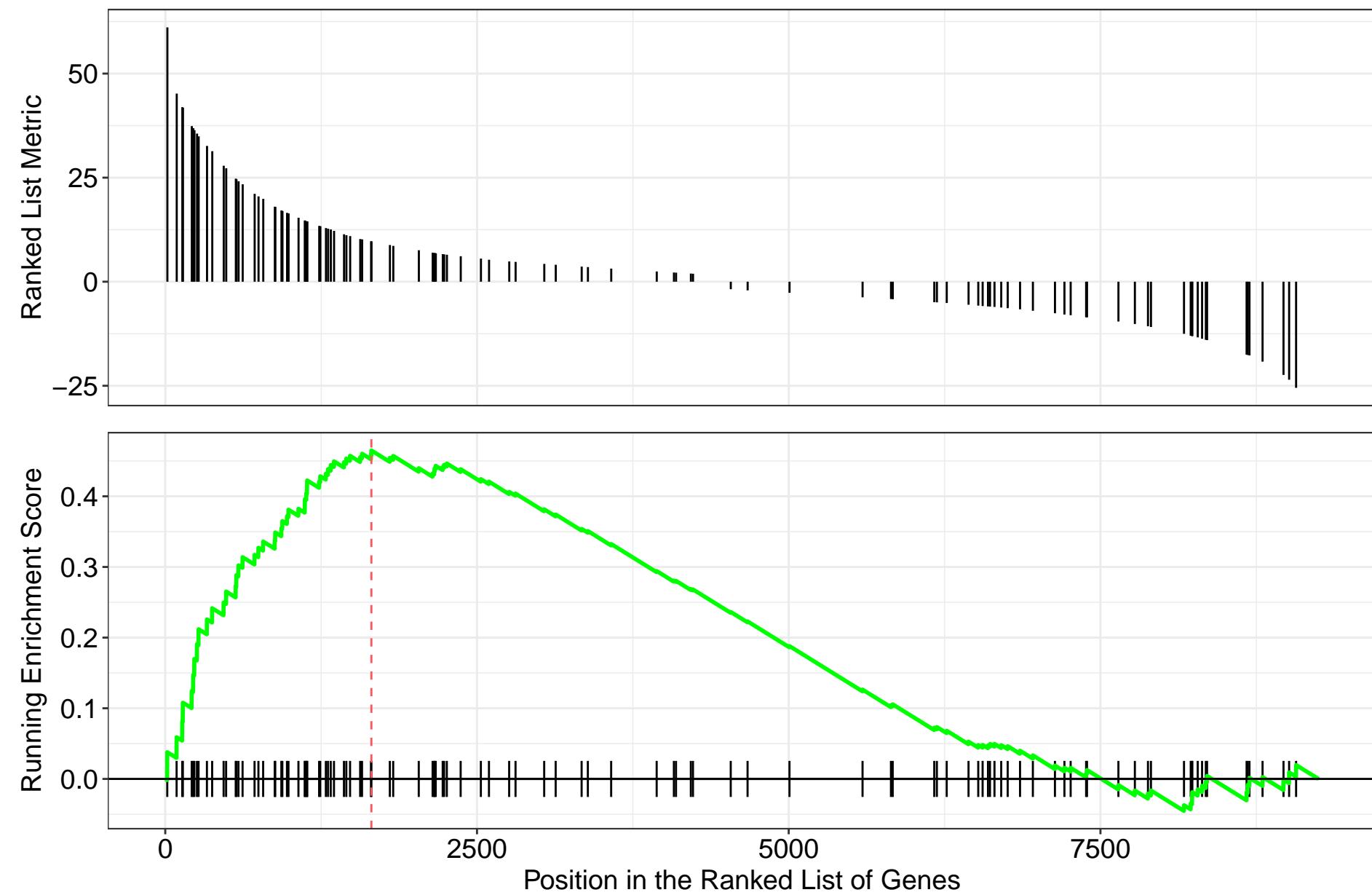
negative regulation of production of molecular mediator of immune respon



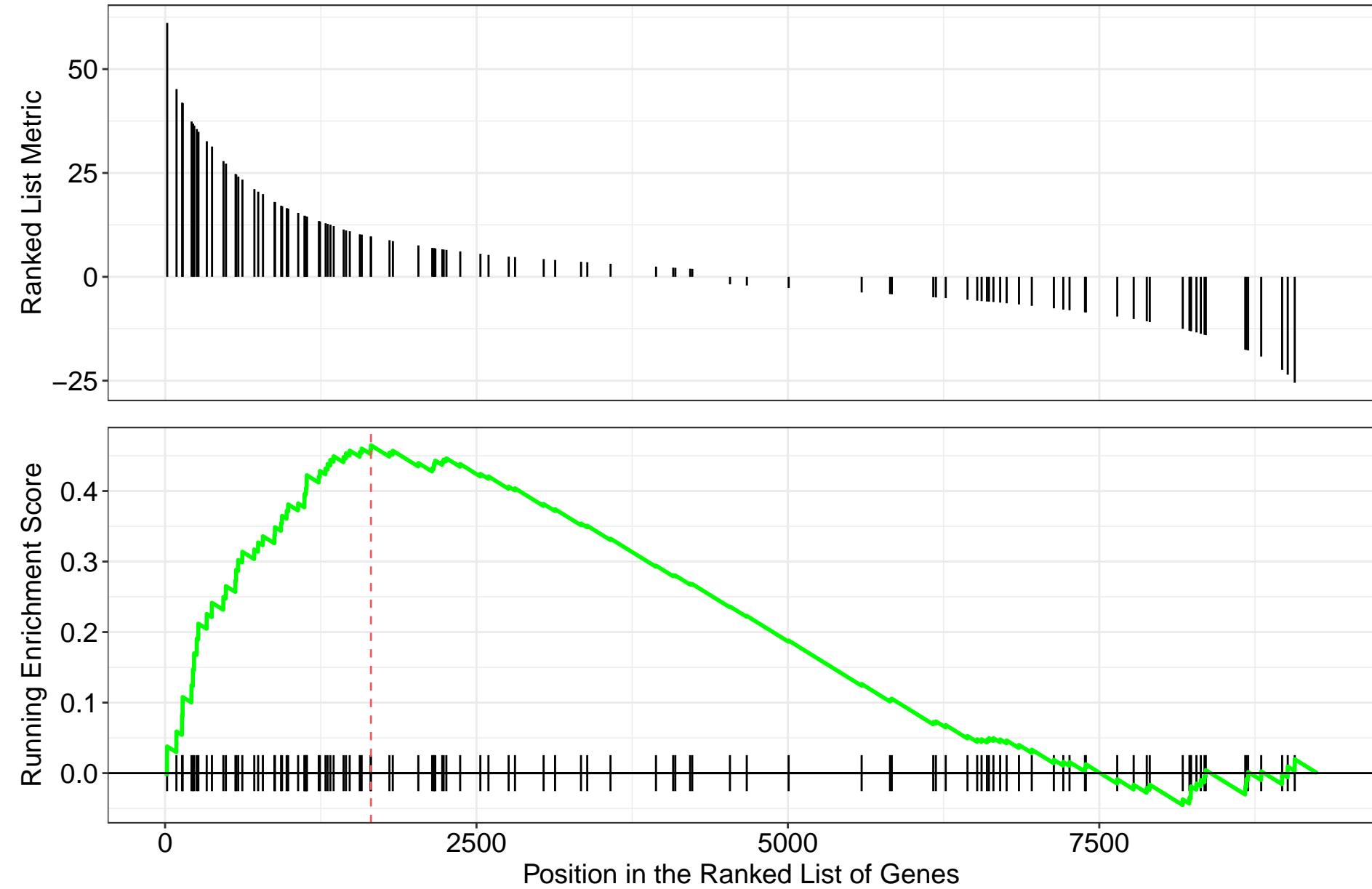
cytoplasmic pattern recognition receptor signaling pathway



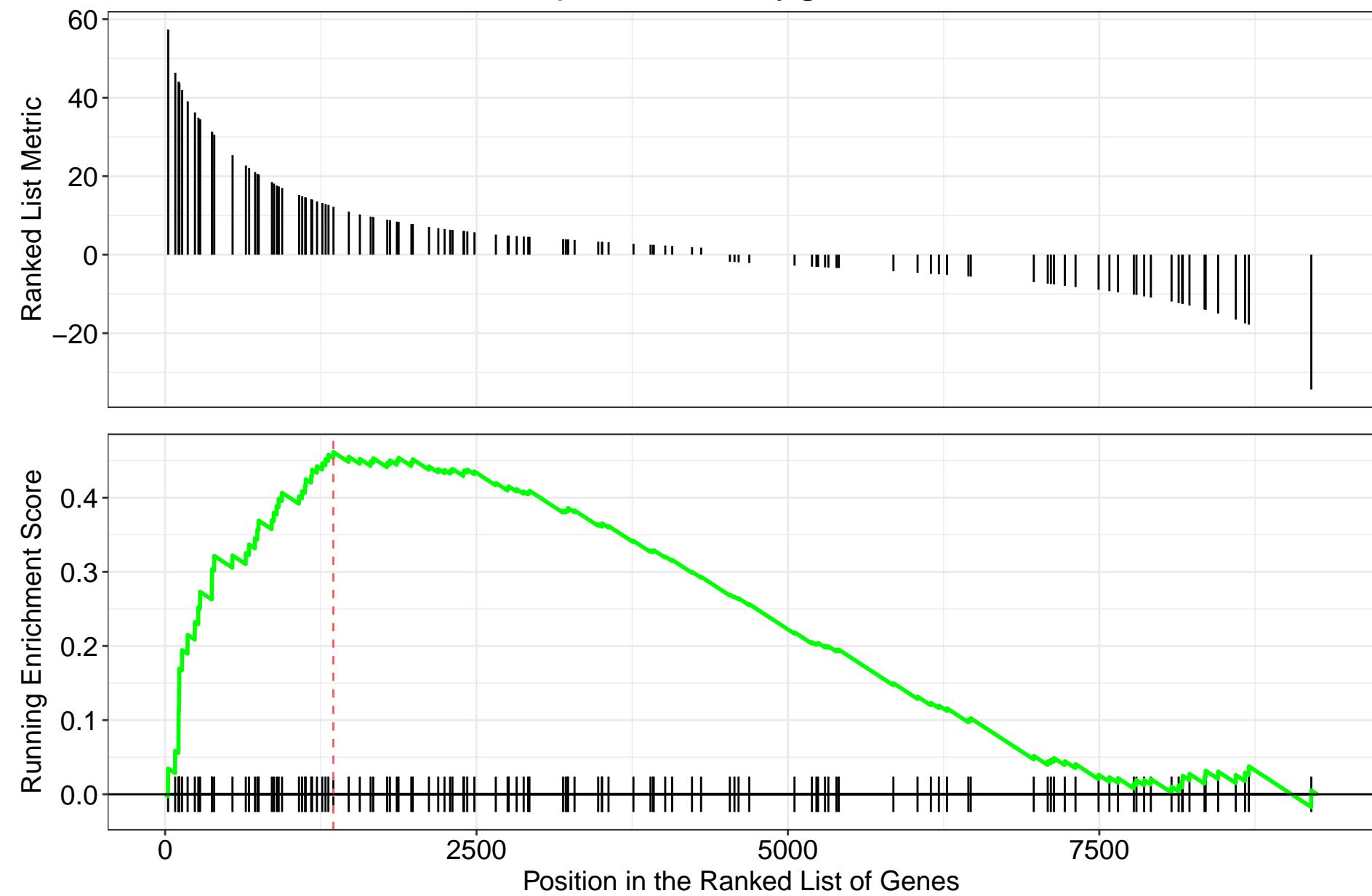
extracellular matrix organization



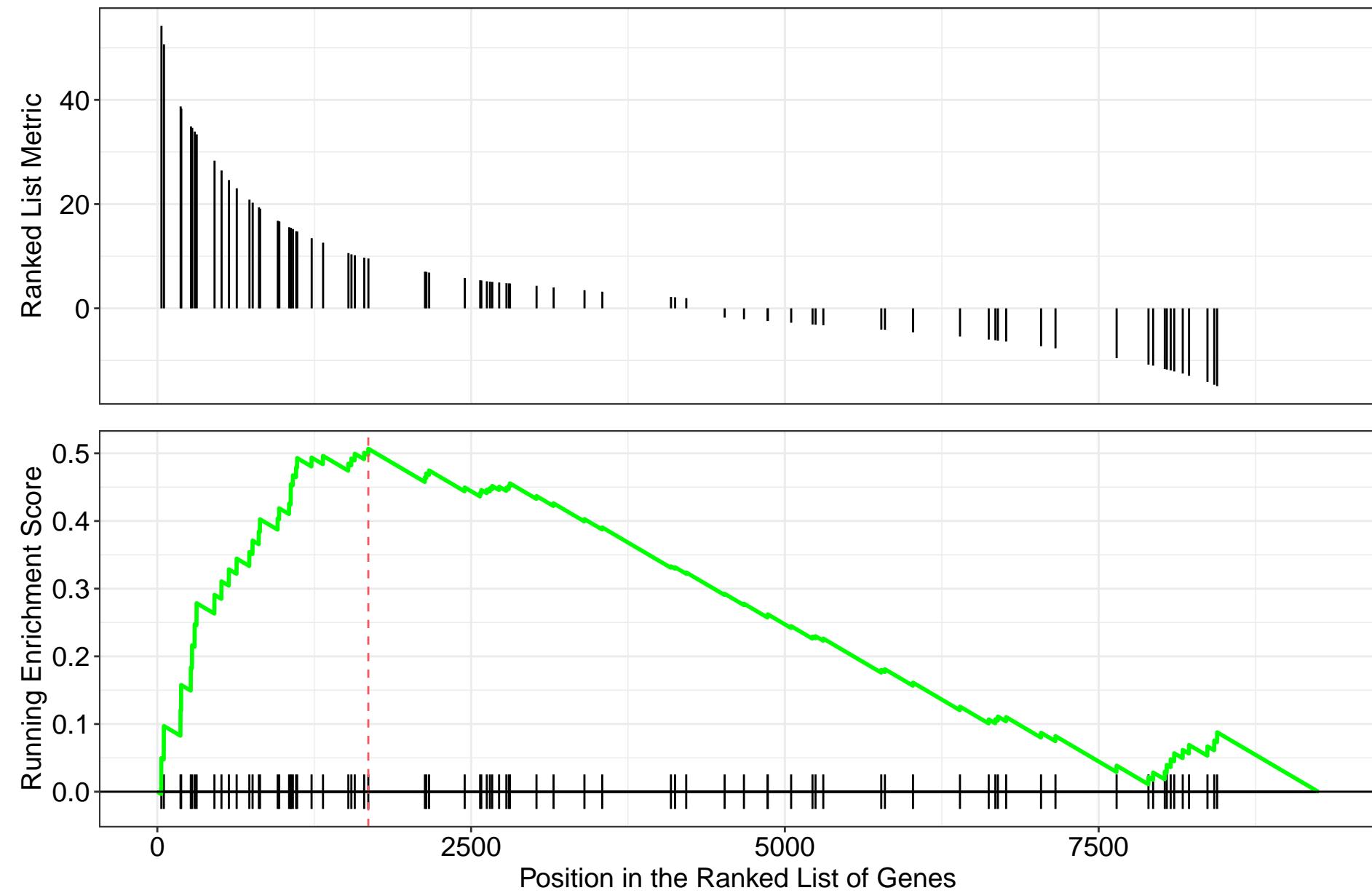
external encapsulating structure organization



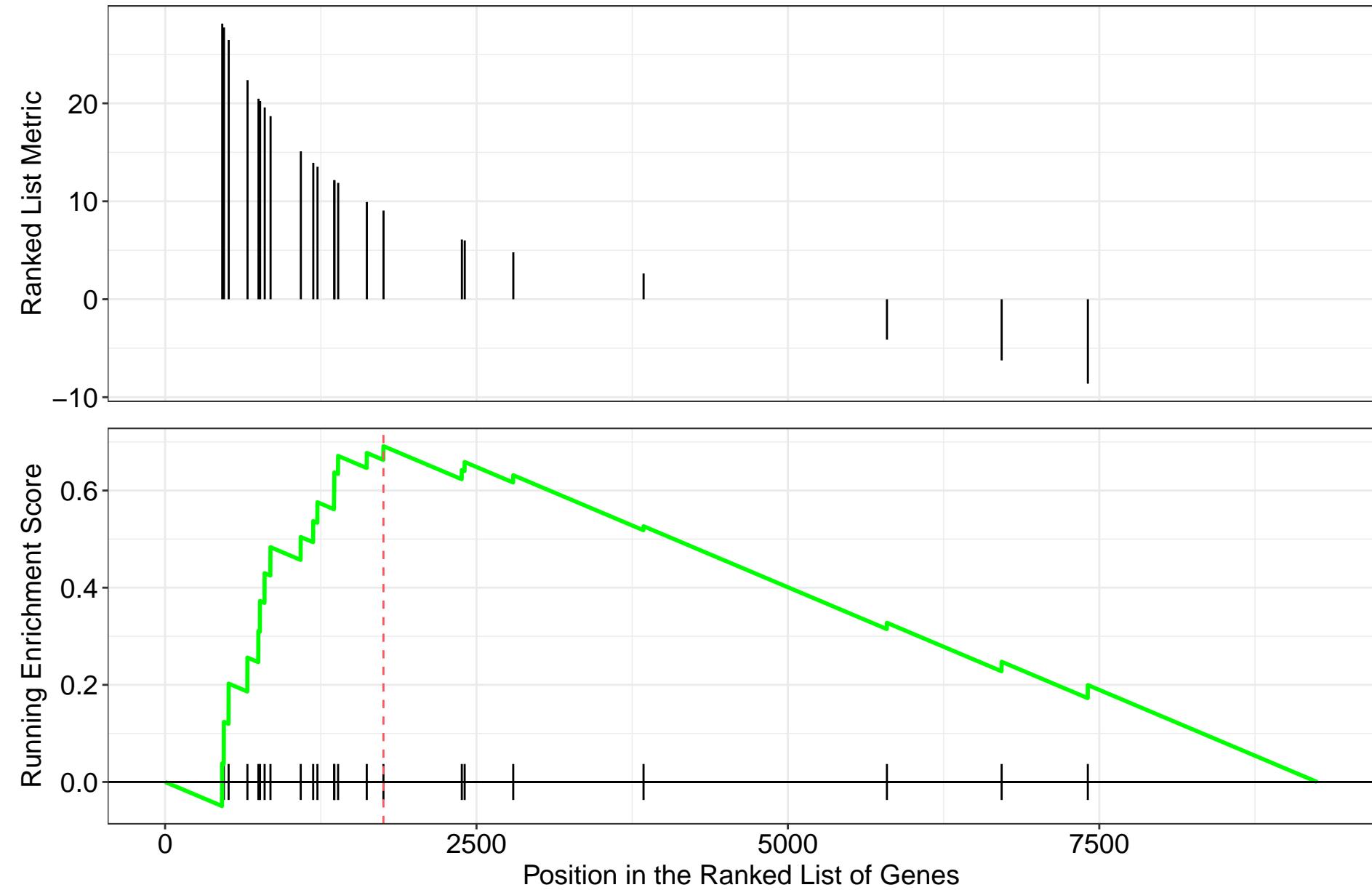
response to oxygen levels



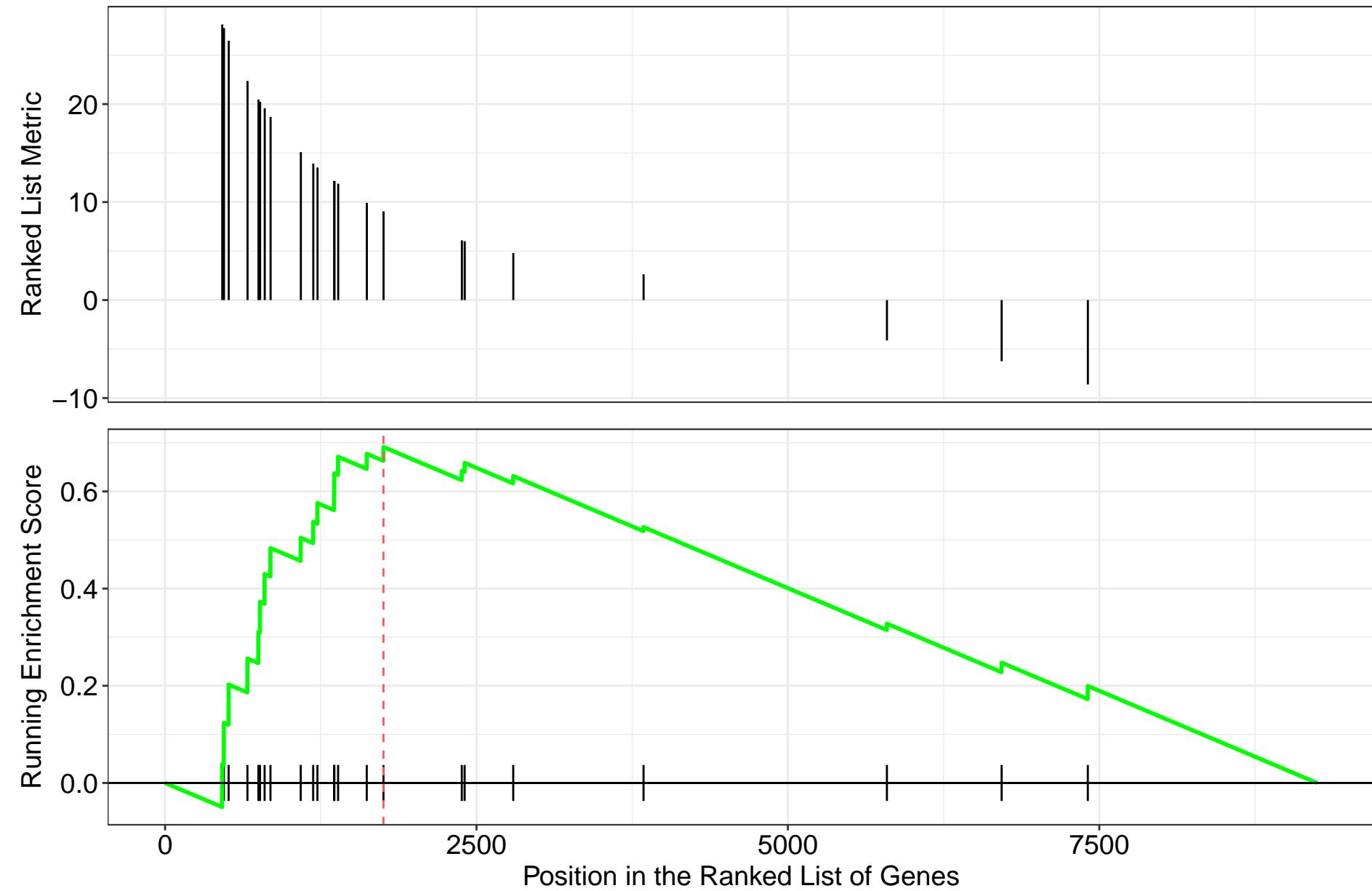
positive regulation of stress-activated MAPK cascade



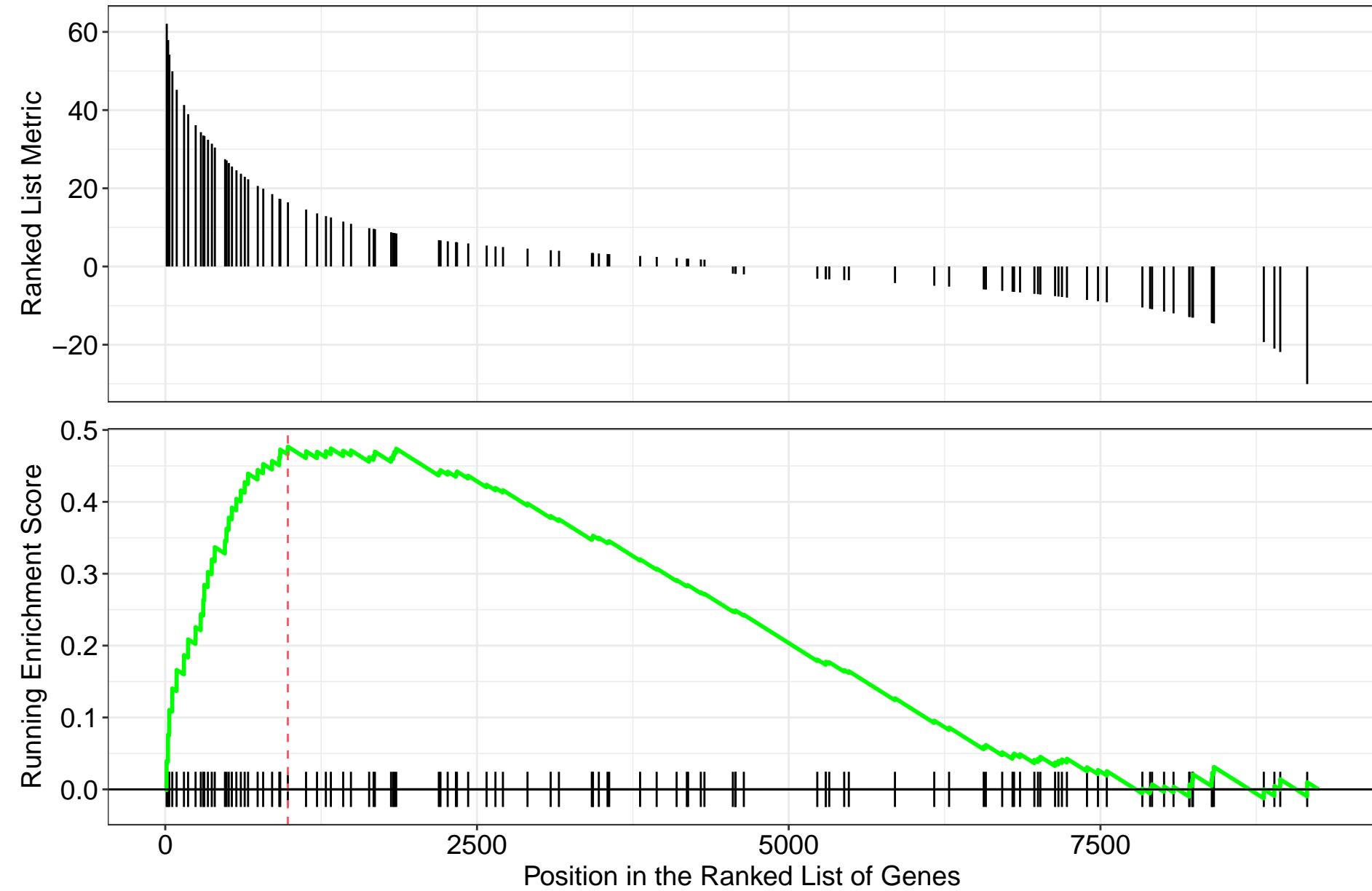
antigen processing and presentation of endogenous peptide antigen



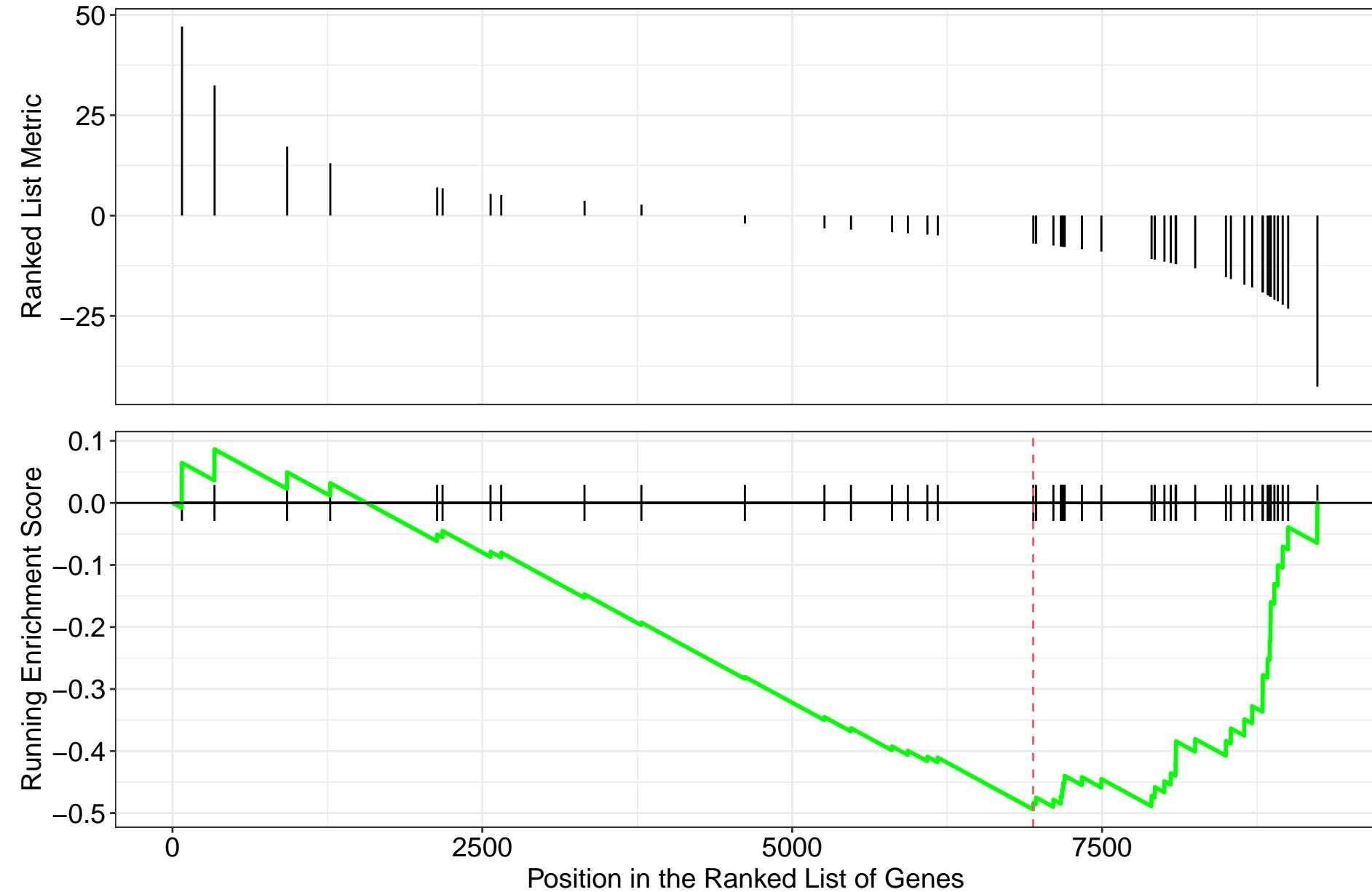
Antigen processing and presentation of endogenous peptide antigen via MHC



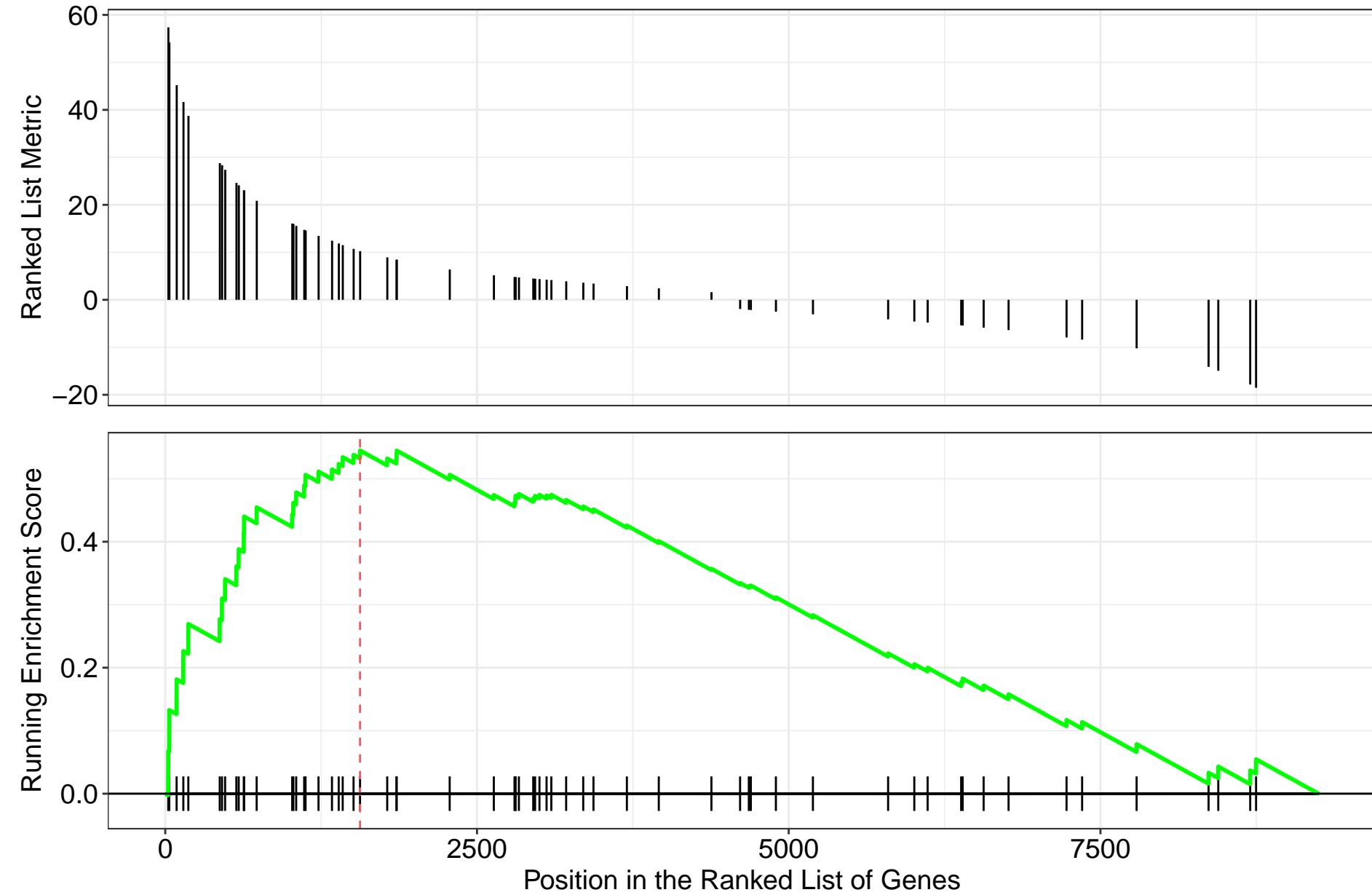
protein kinase B signaling



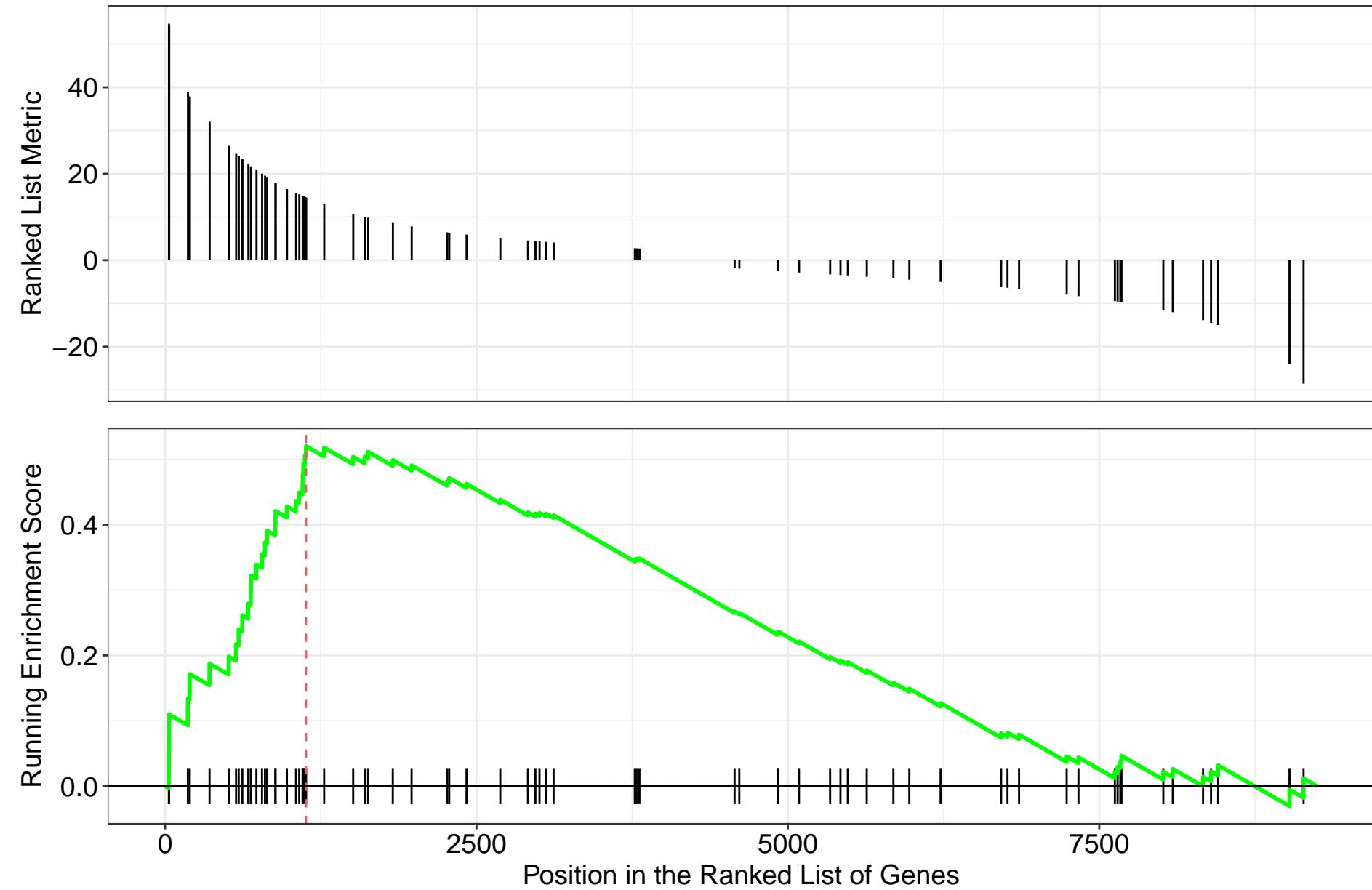
meiotic chromosome segregation



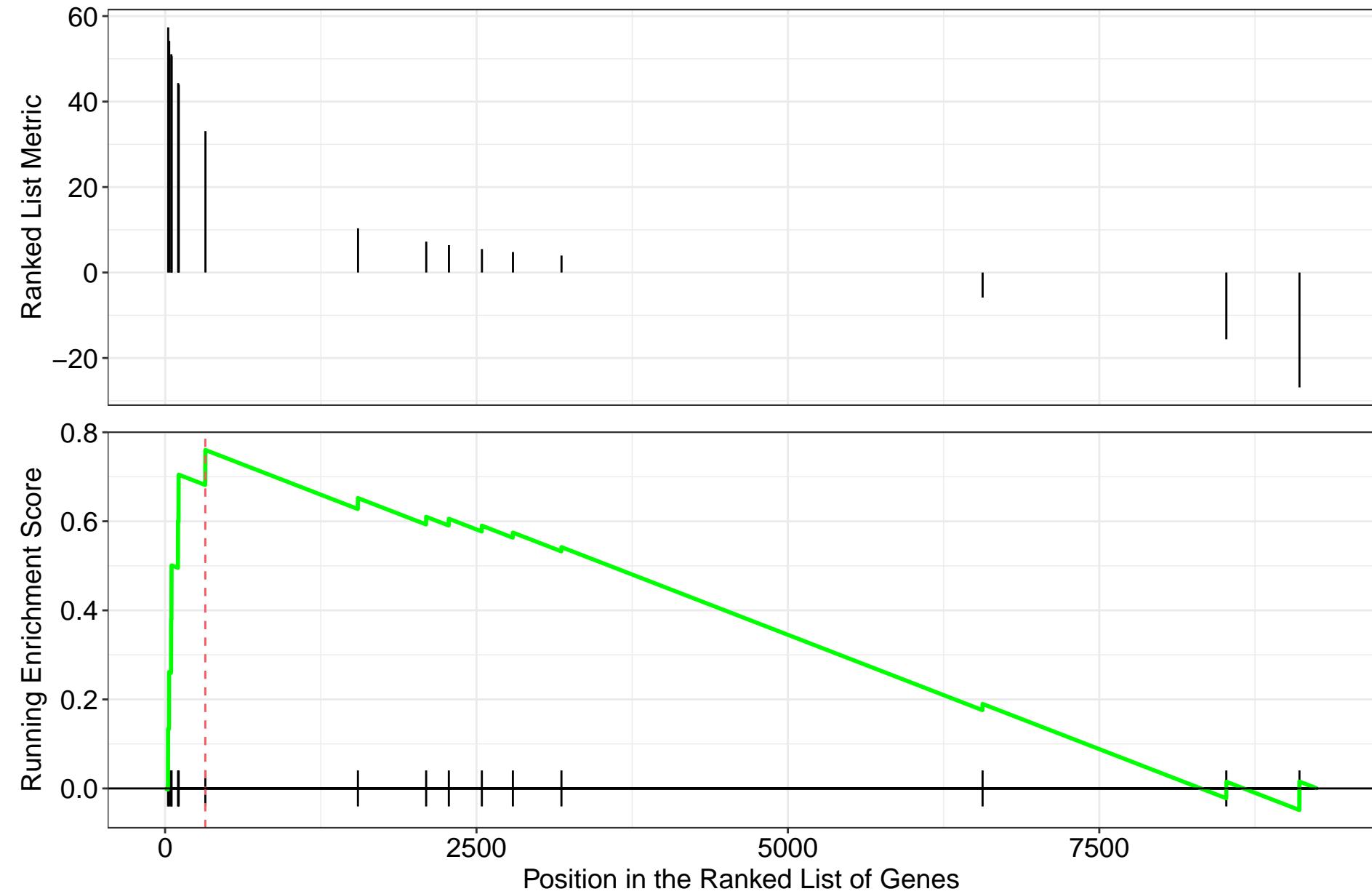
positive regulation of interleukin–6 production



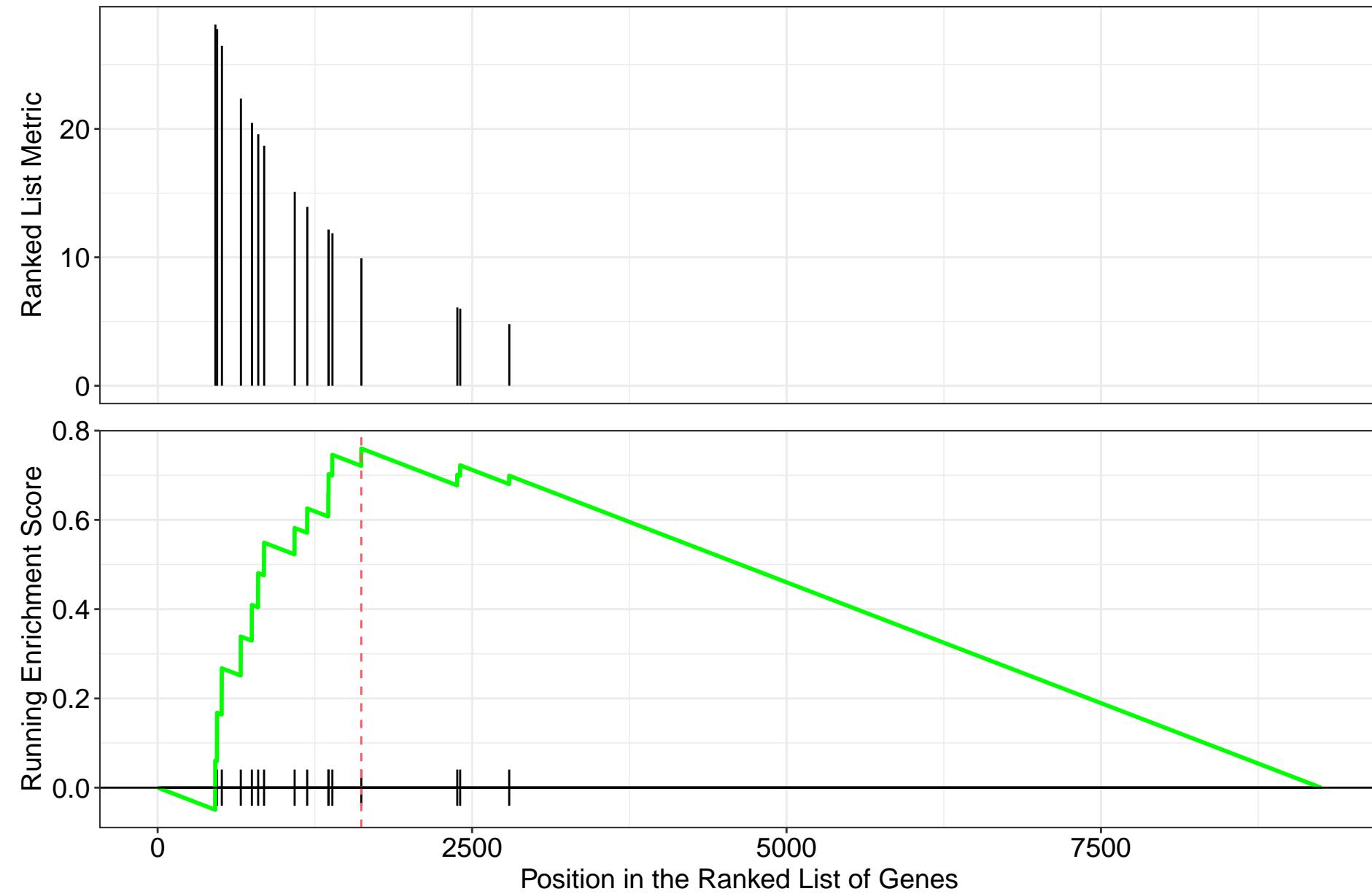
regulation of phagocytosis



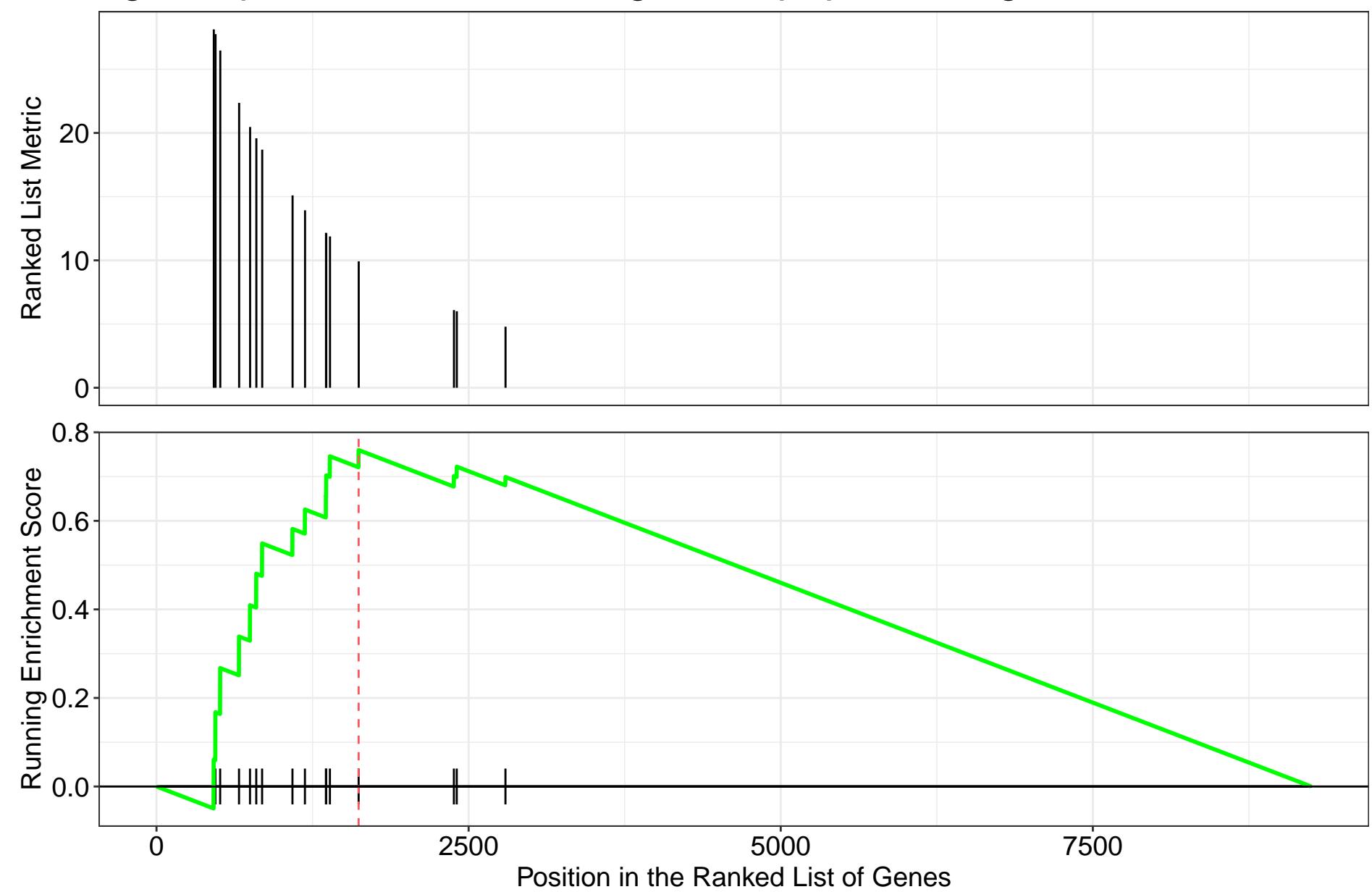
prostaglandin transport



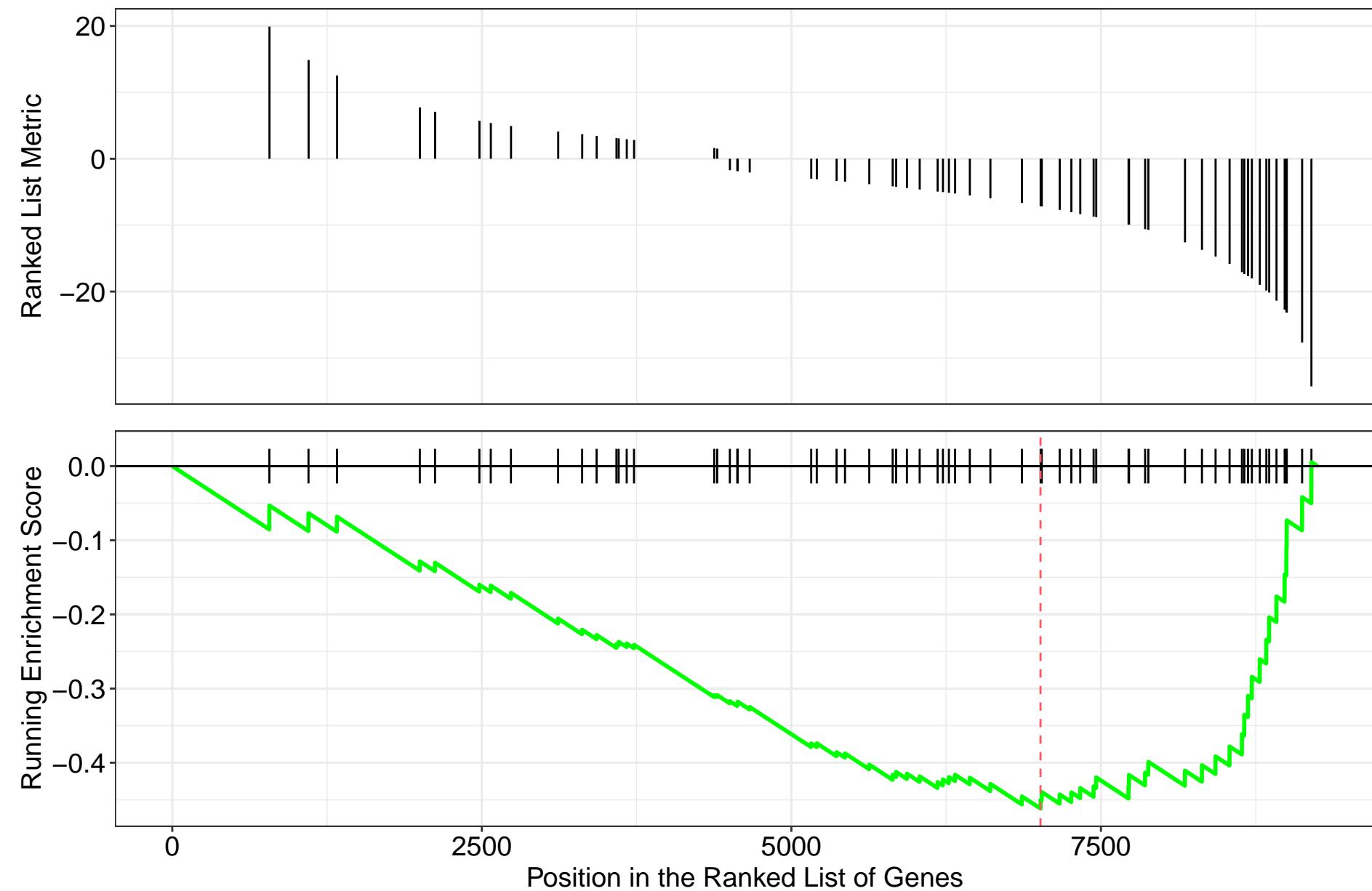
Gen processing and presentation of endogenous peptide antigen via MHC



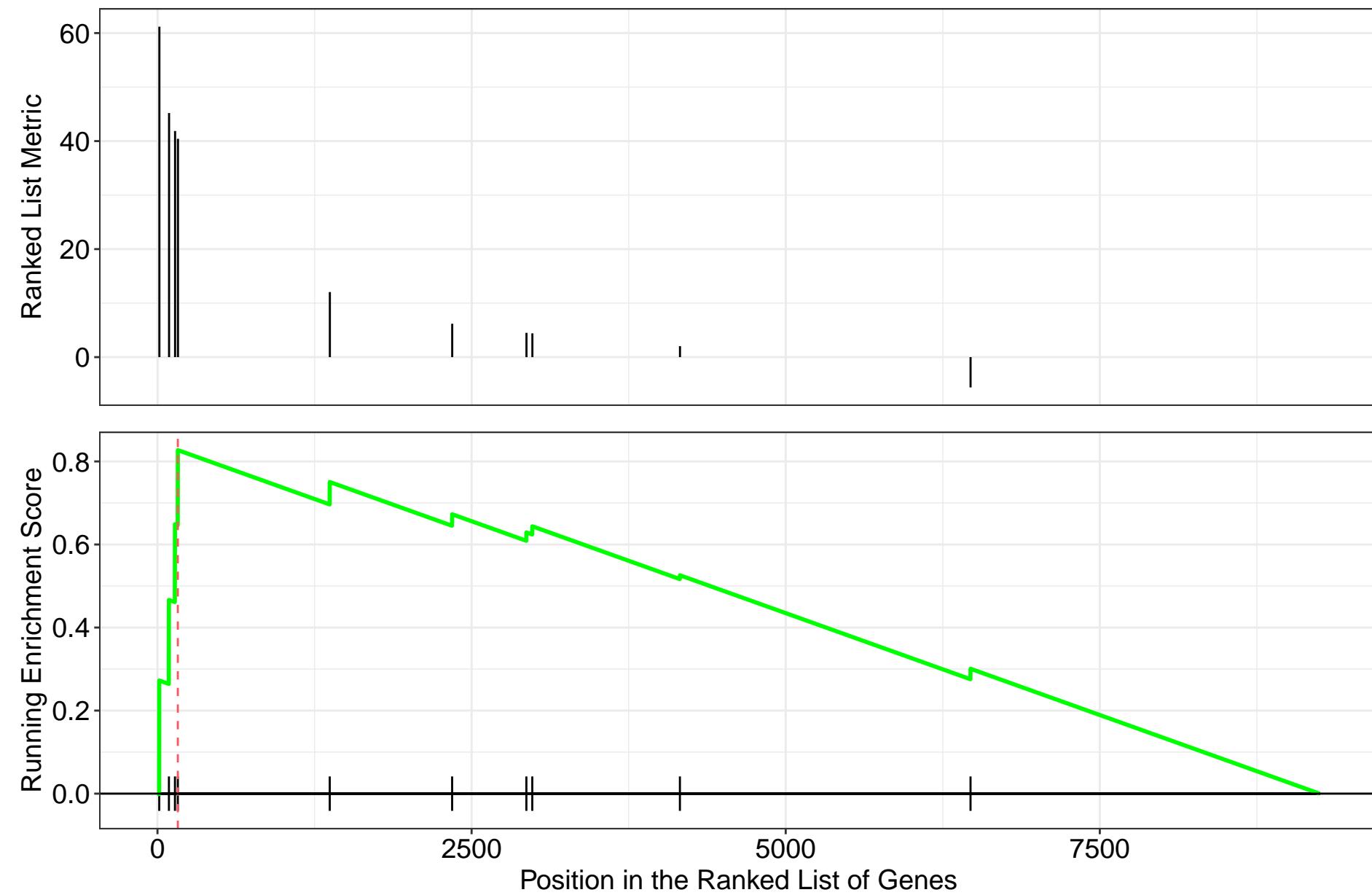
Processing and presentation of endogenous peptide antigen via MHC class I



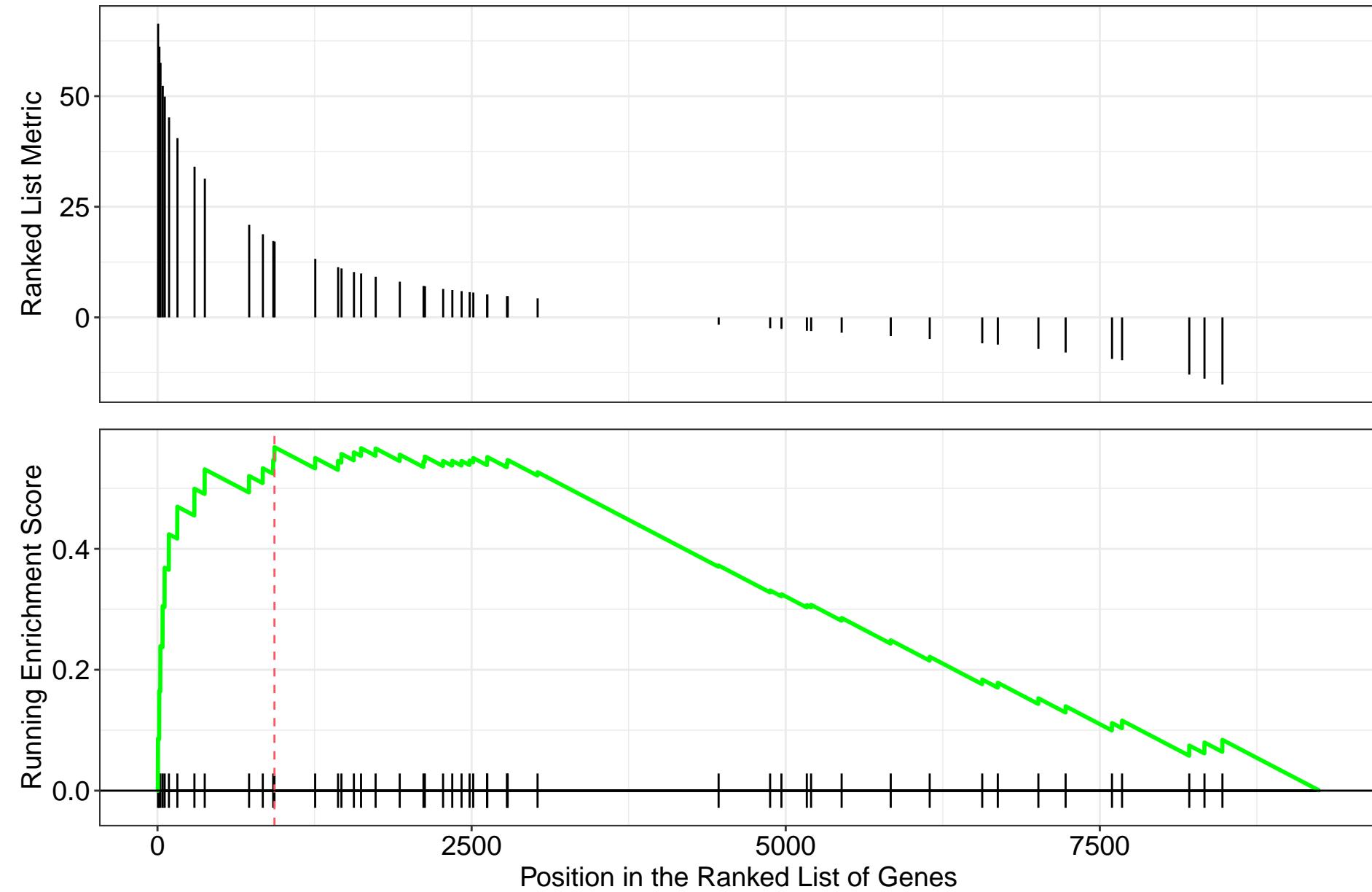
protein localization to chromosome



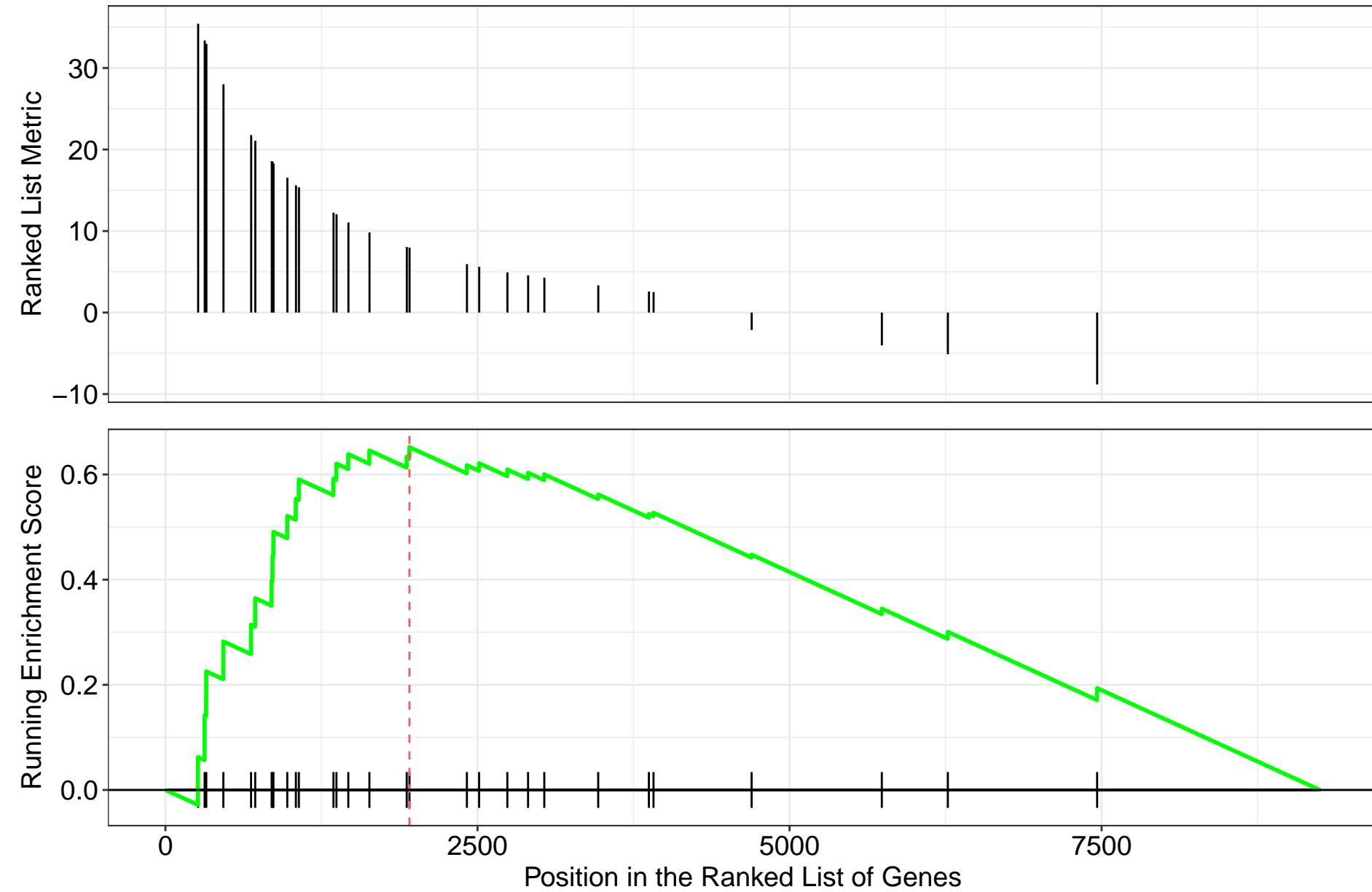
T-helper 2 cell cytokine production



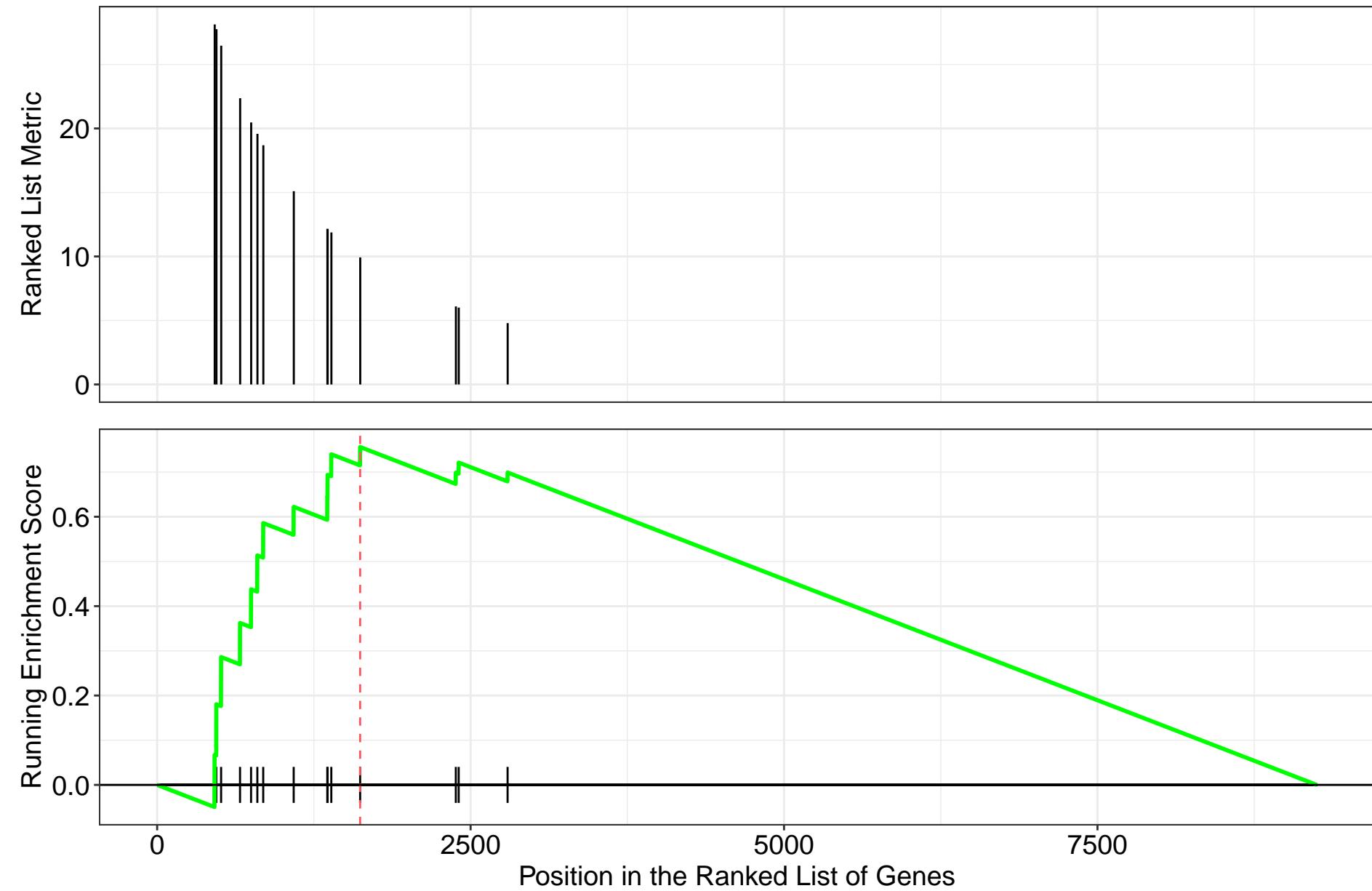
regulation of receptor signaling pathway via JAK–STAT



regulation of type I interferon-mediated signaling pathway

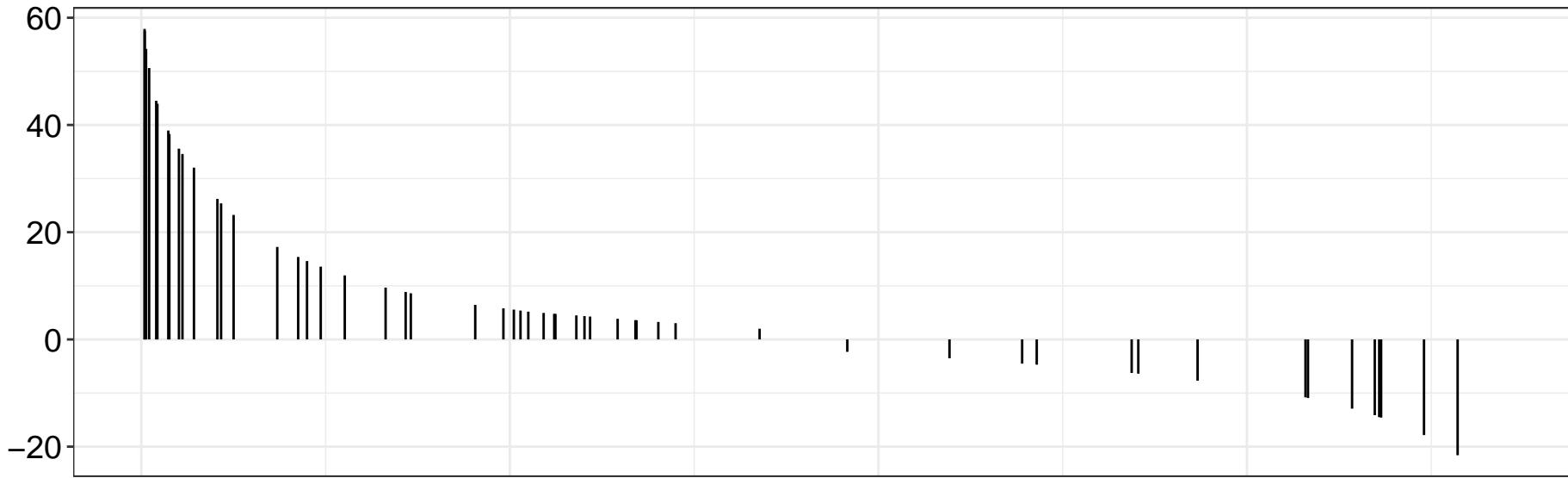


End presentation of endogenous peptide antigen via MHC class I via ER pathway



positive regulation of leukocyte chemotaxis

Ranked List Metric



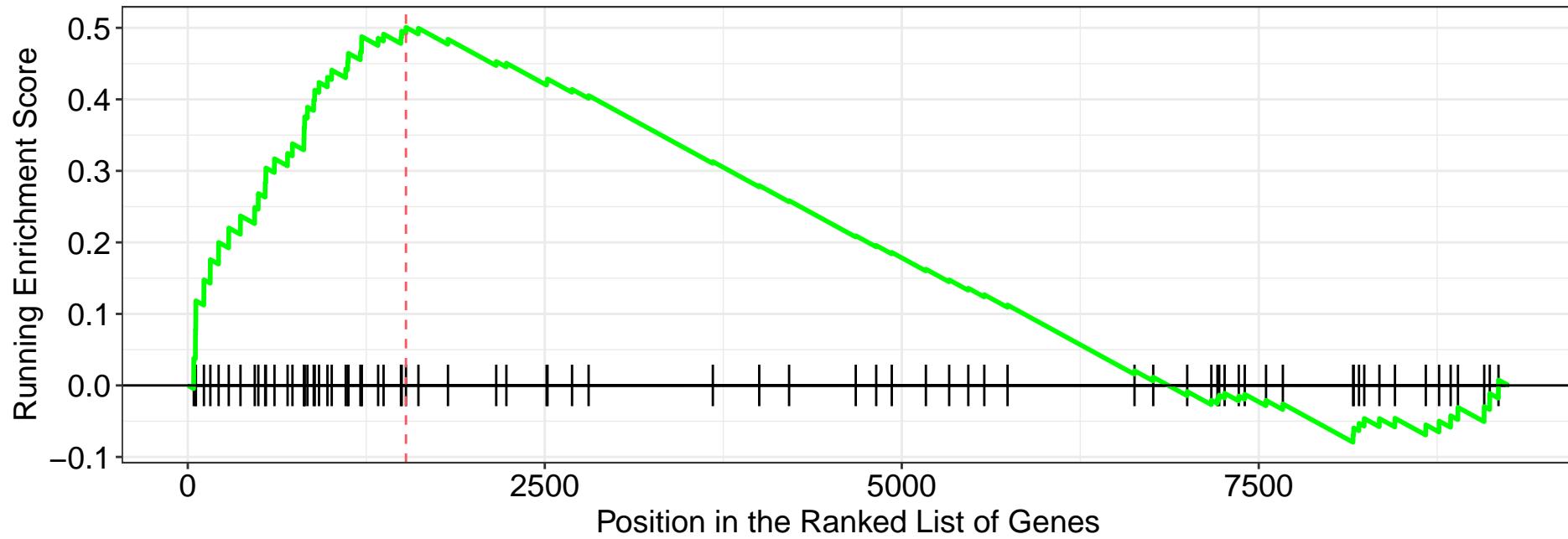
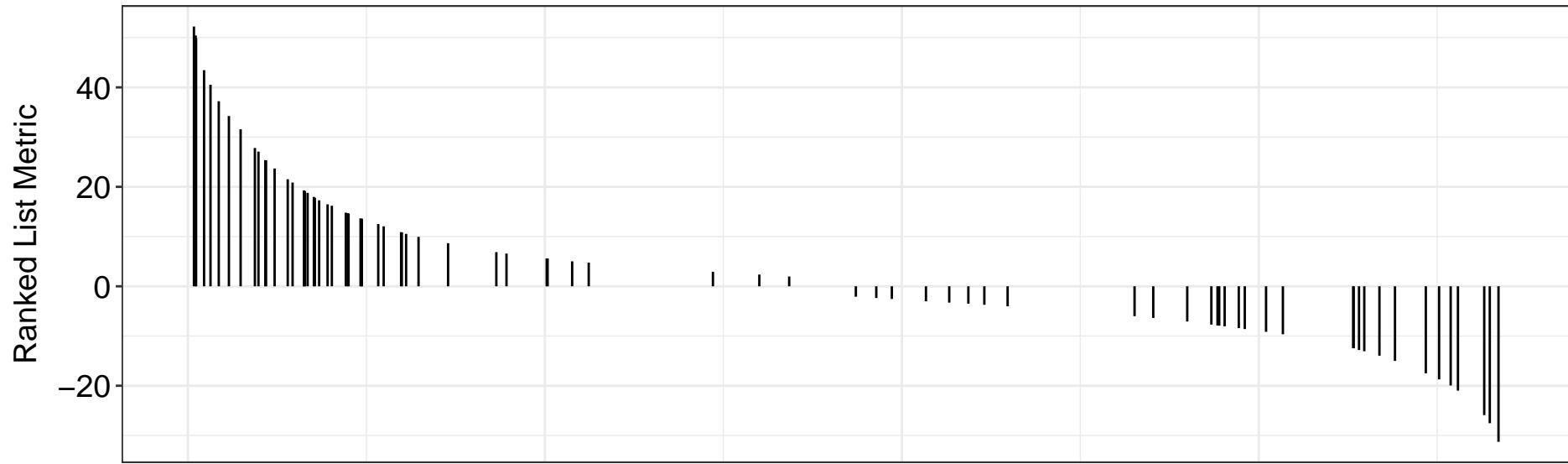
Running Enrichment Score

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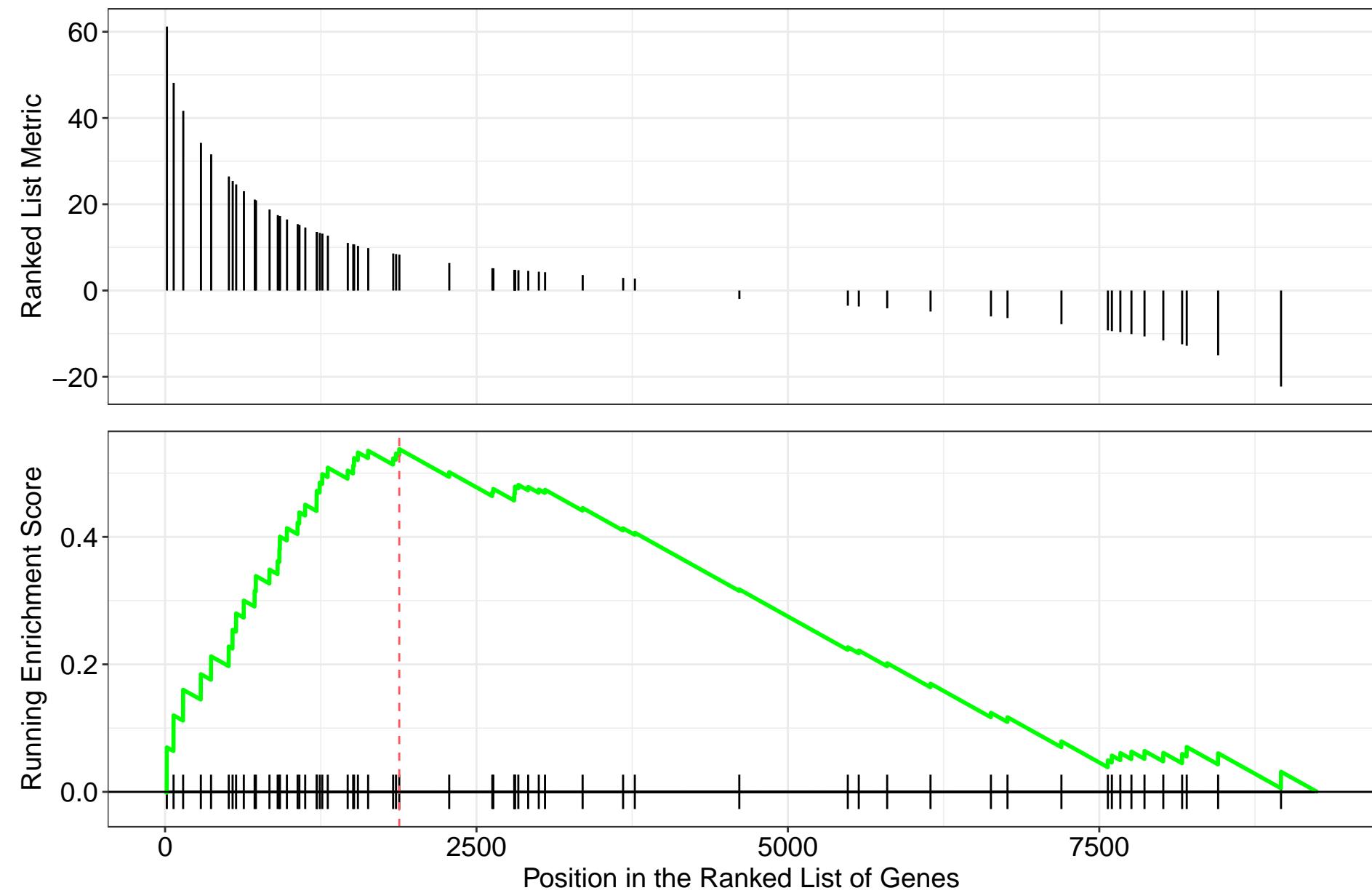
Position in the Ranked List of Genes



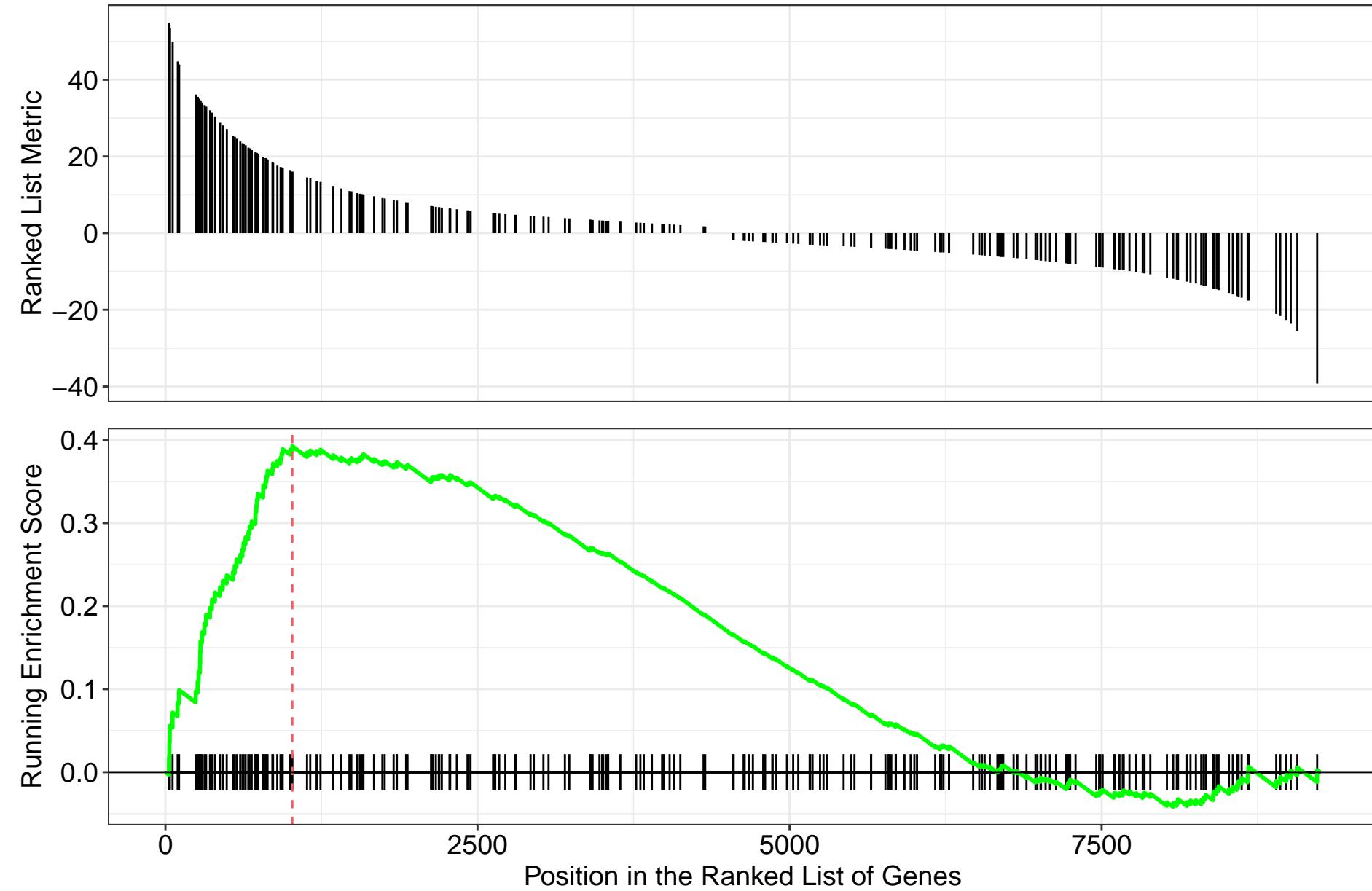
negative regulation of inflammatory response



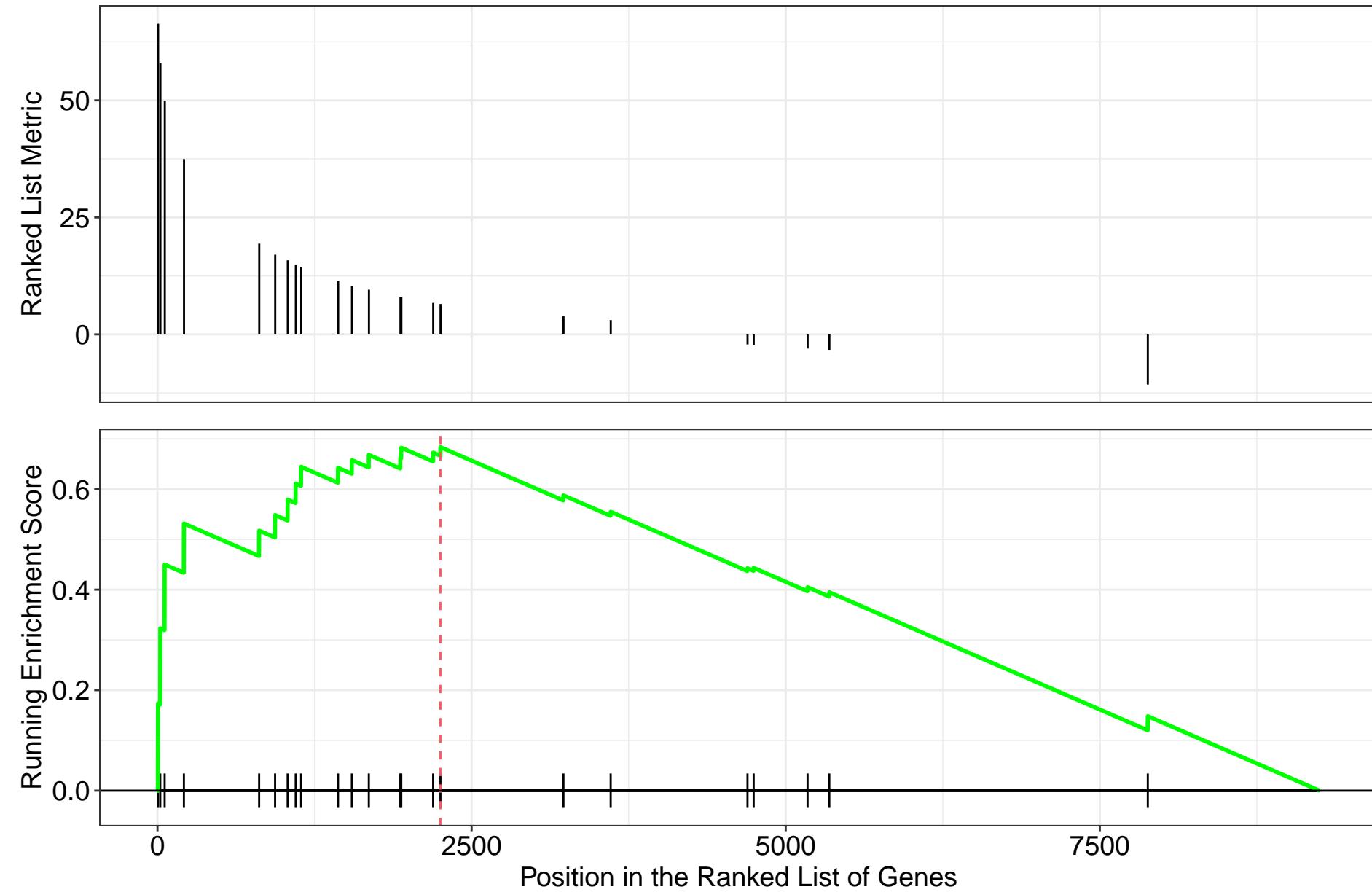
macrophage activation



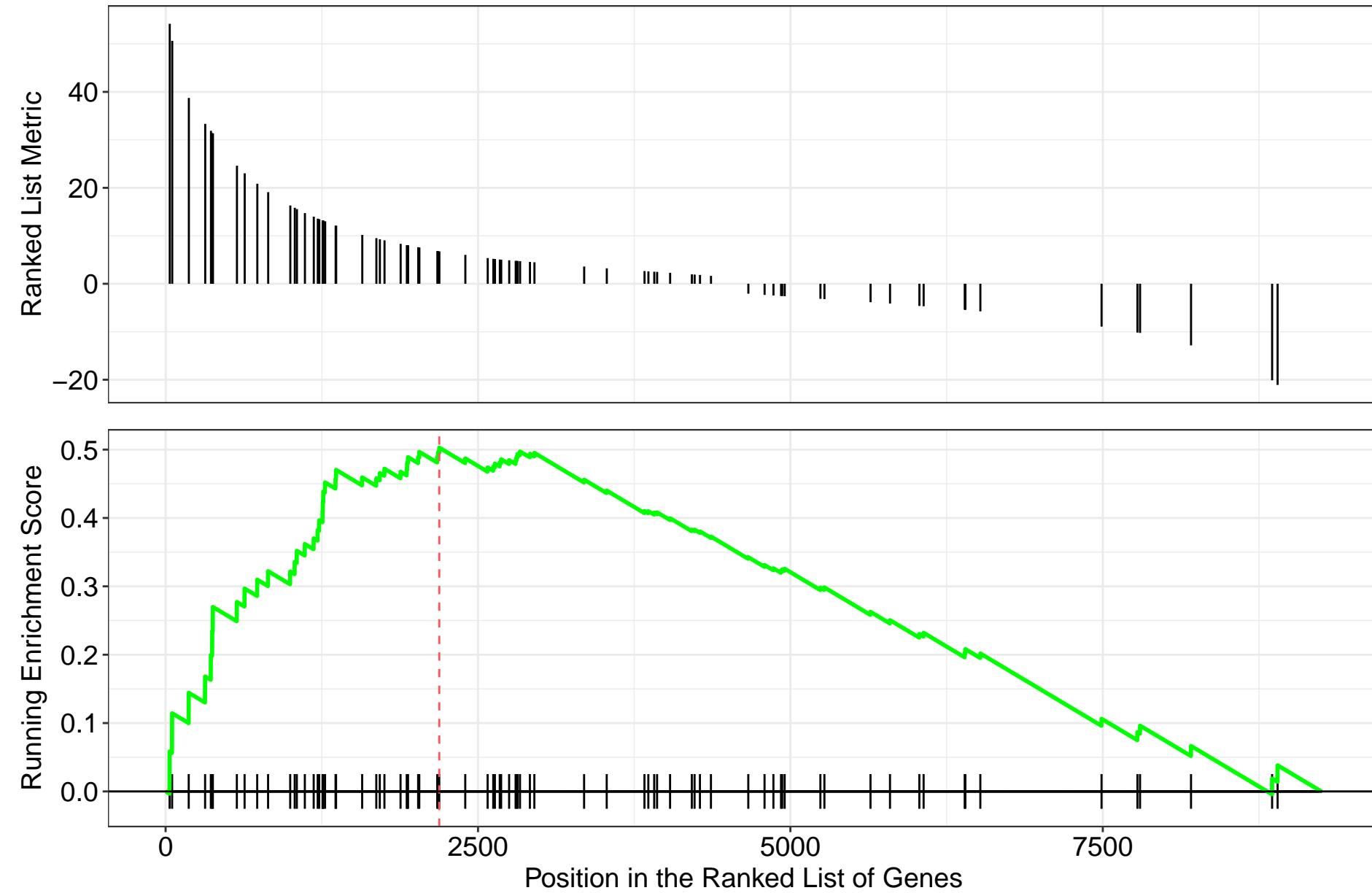
positive regulation of kinase activity



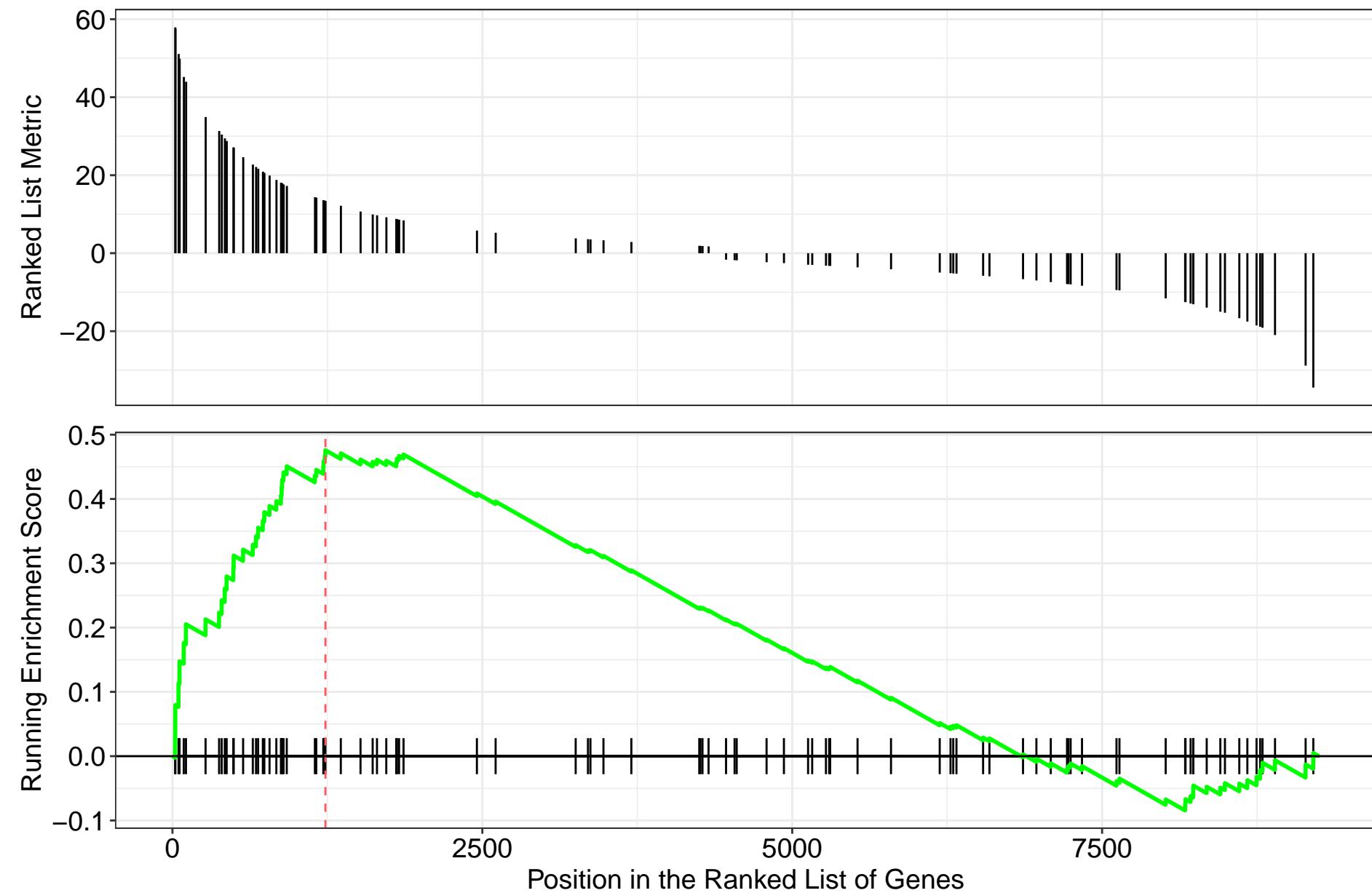
positive regulation of defense response to virus by host



positive regulation of I-kappaB kinase/NF-kappaB signaling

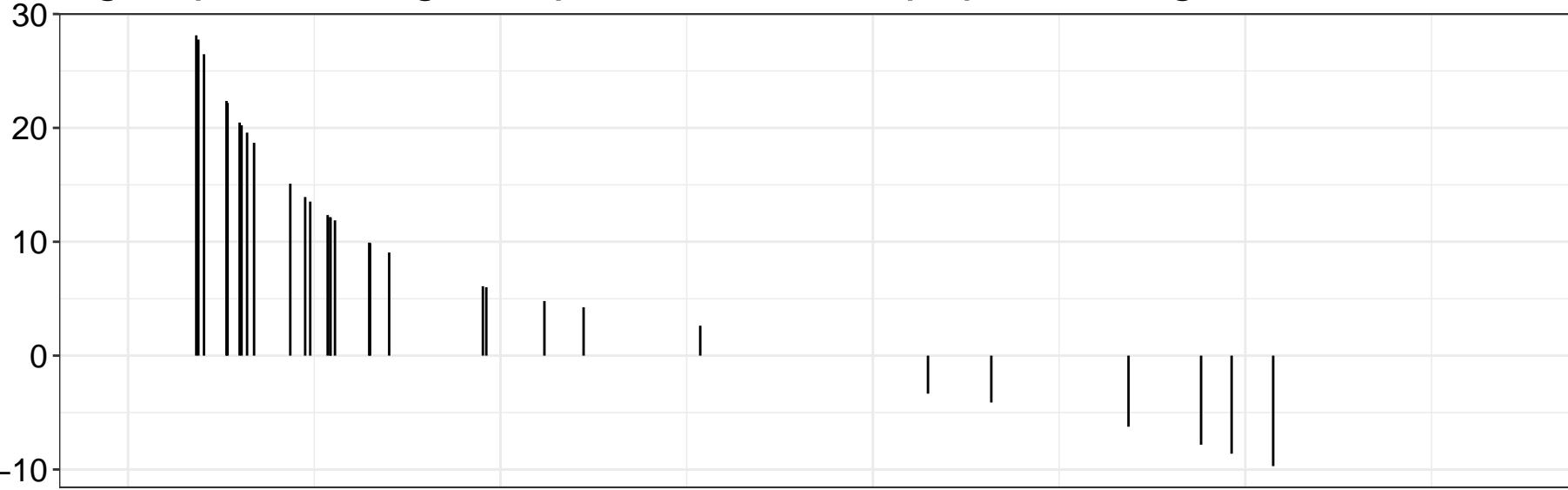


regulation of smooth muscle cell proliferation

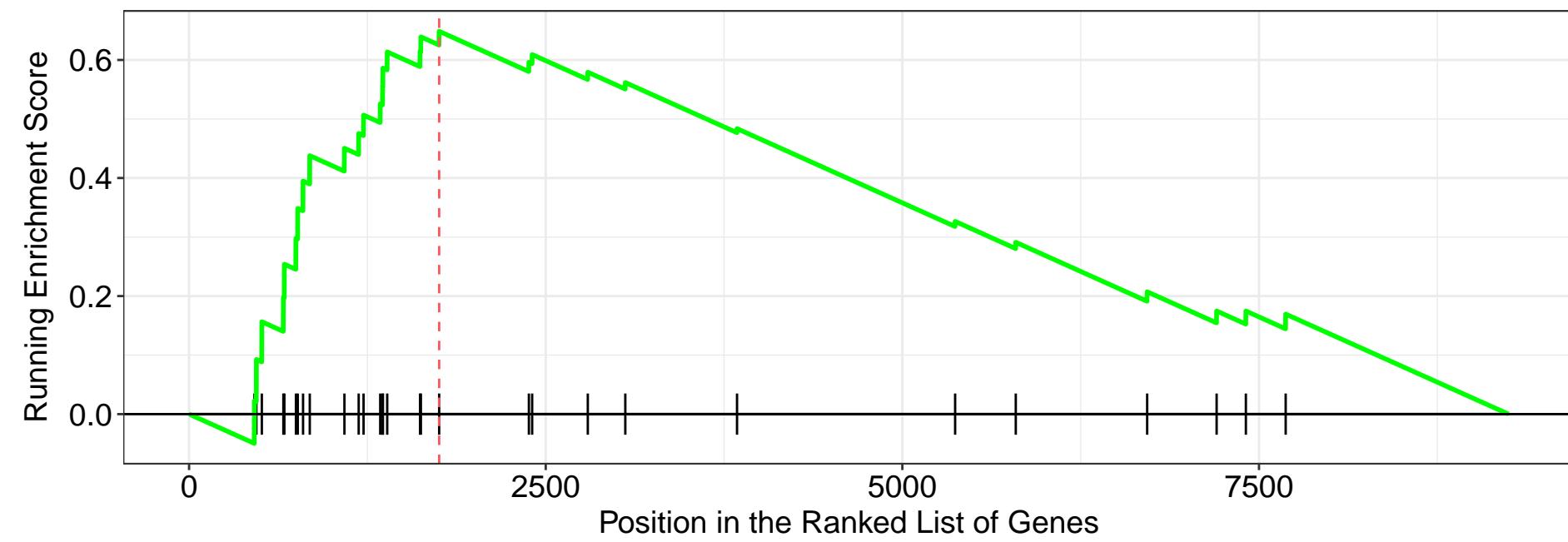


antigen processing and presentation of peptide antigen via MHC class

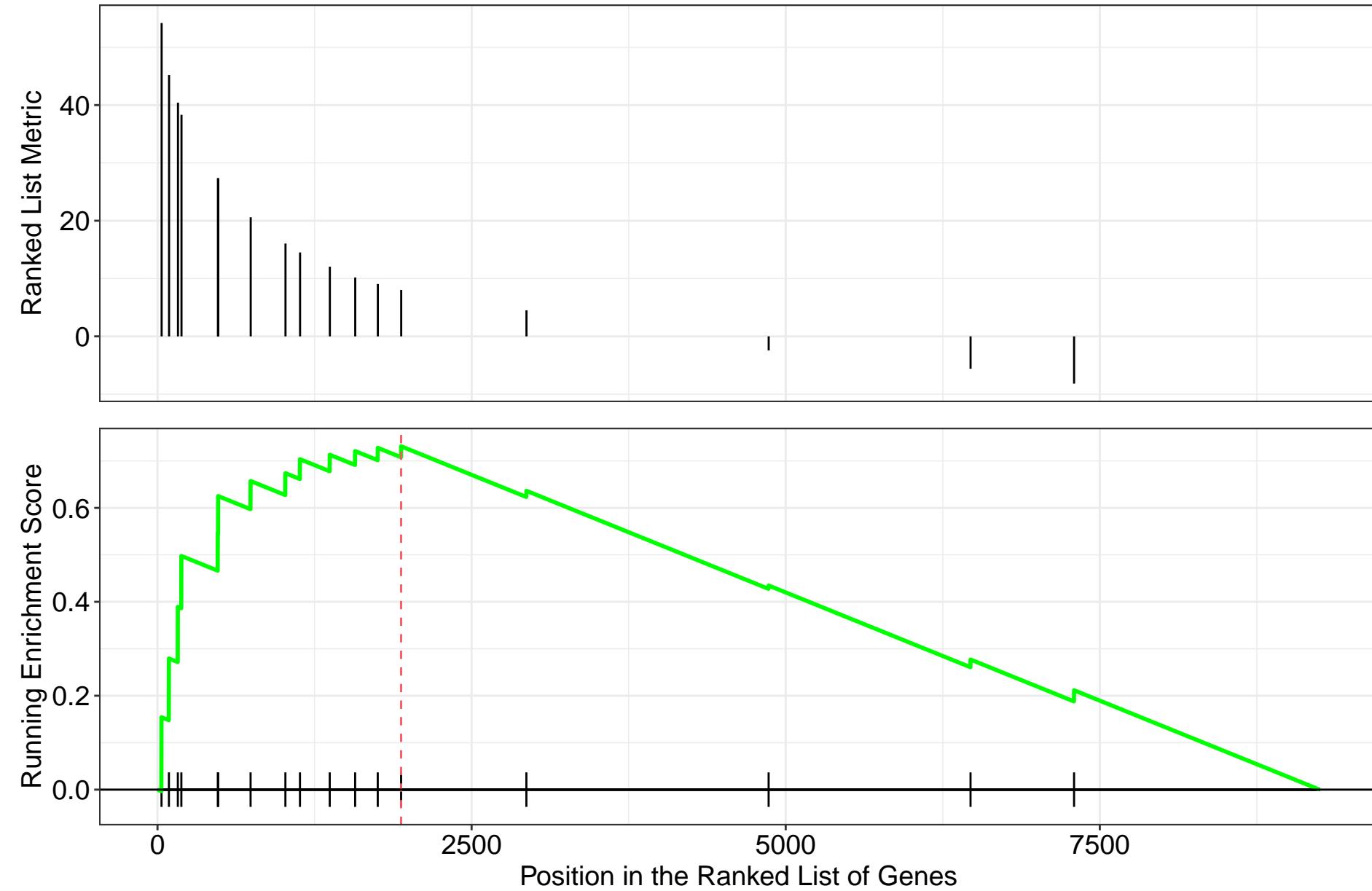
Ranked List Metric



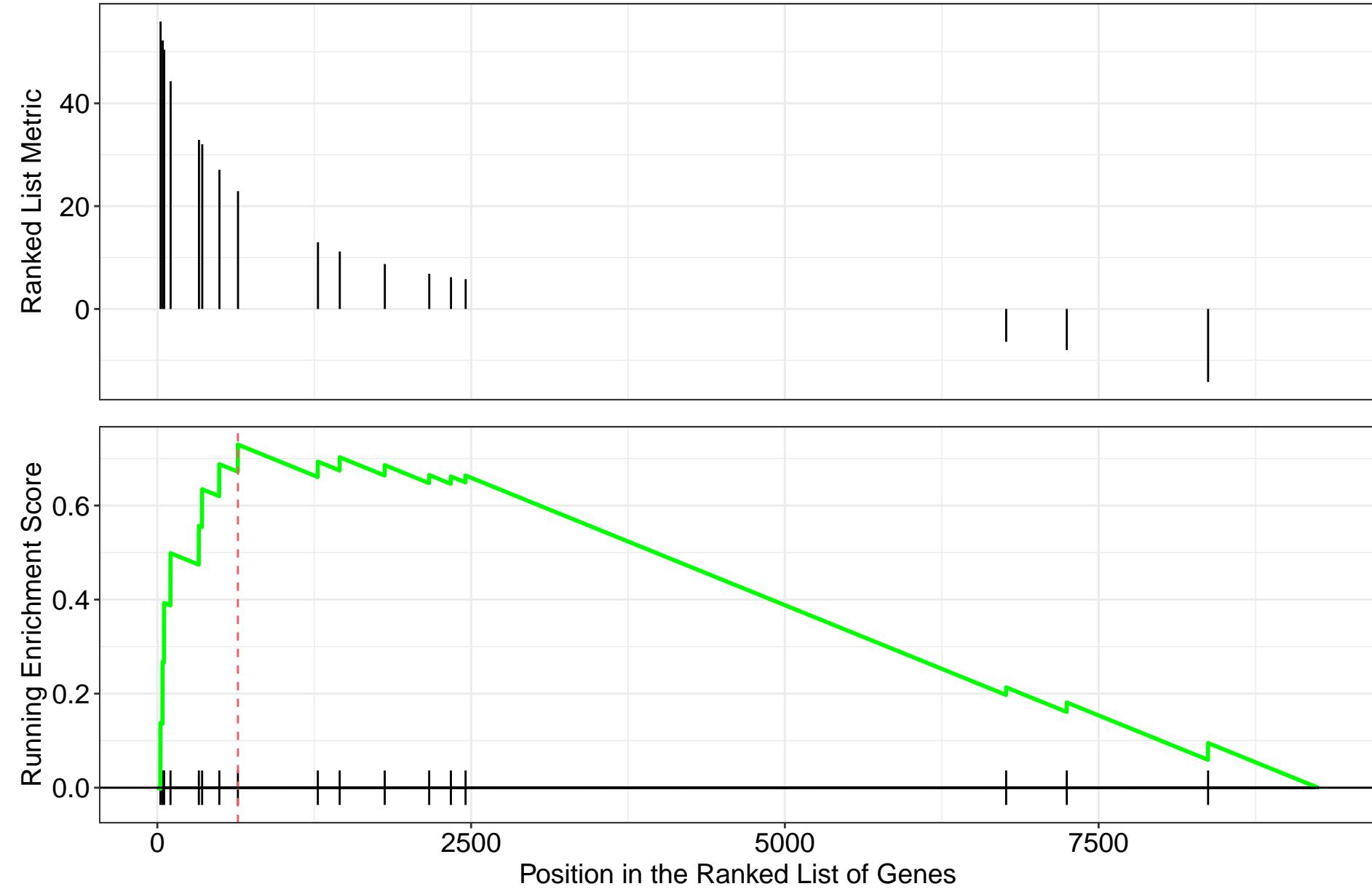
Running Enrichment Score



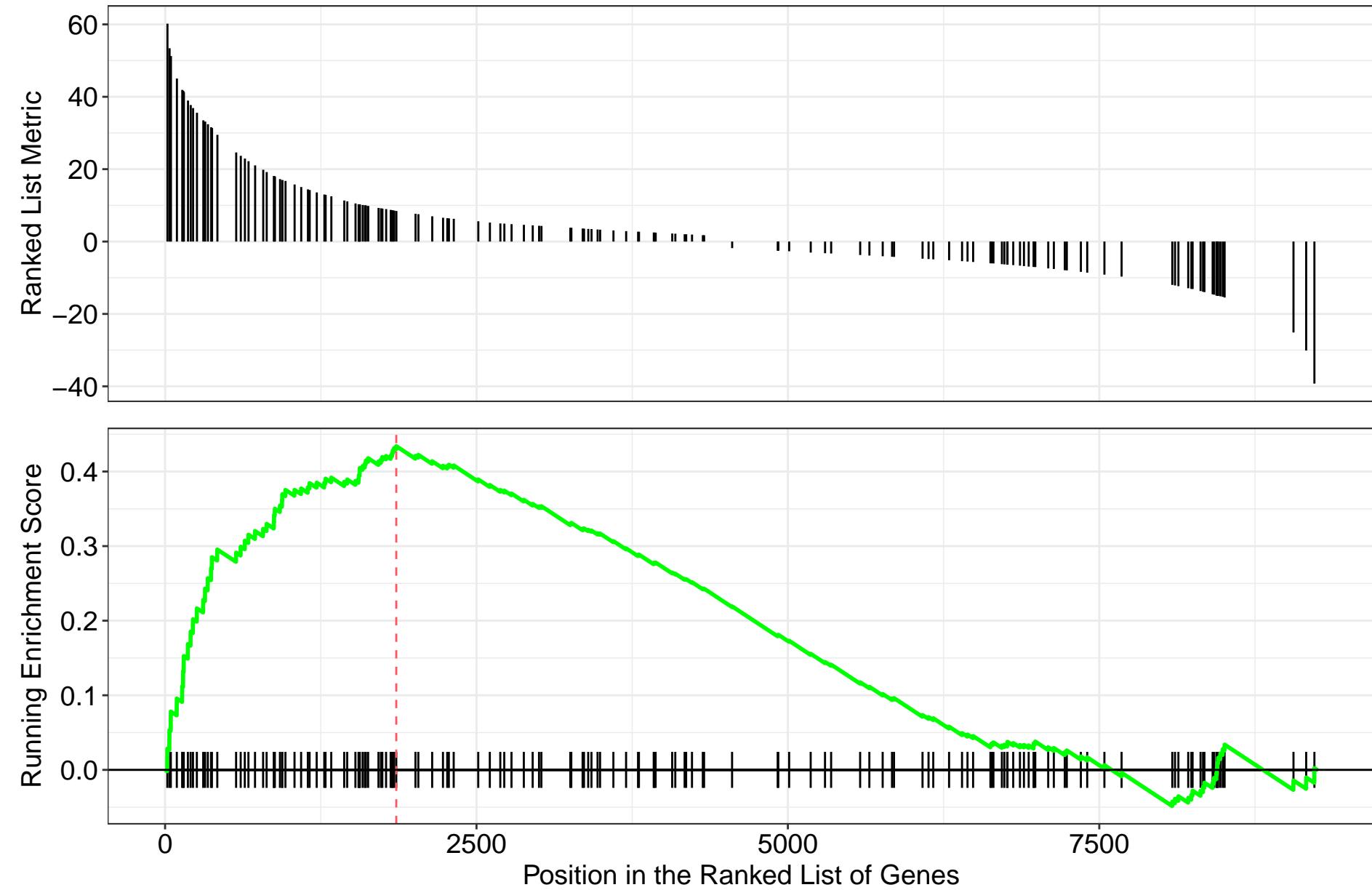
positive regulation of T cell cytokine production



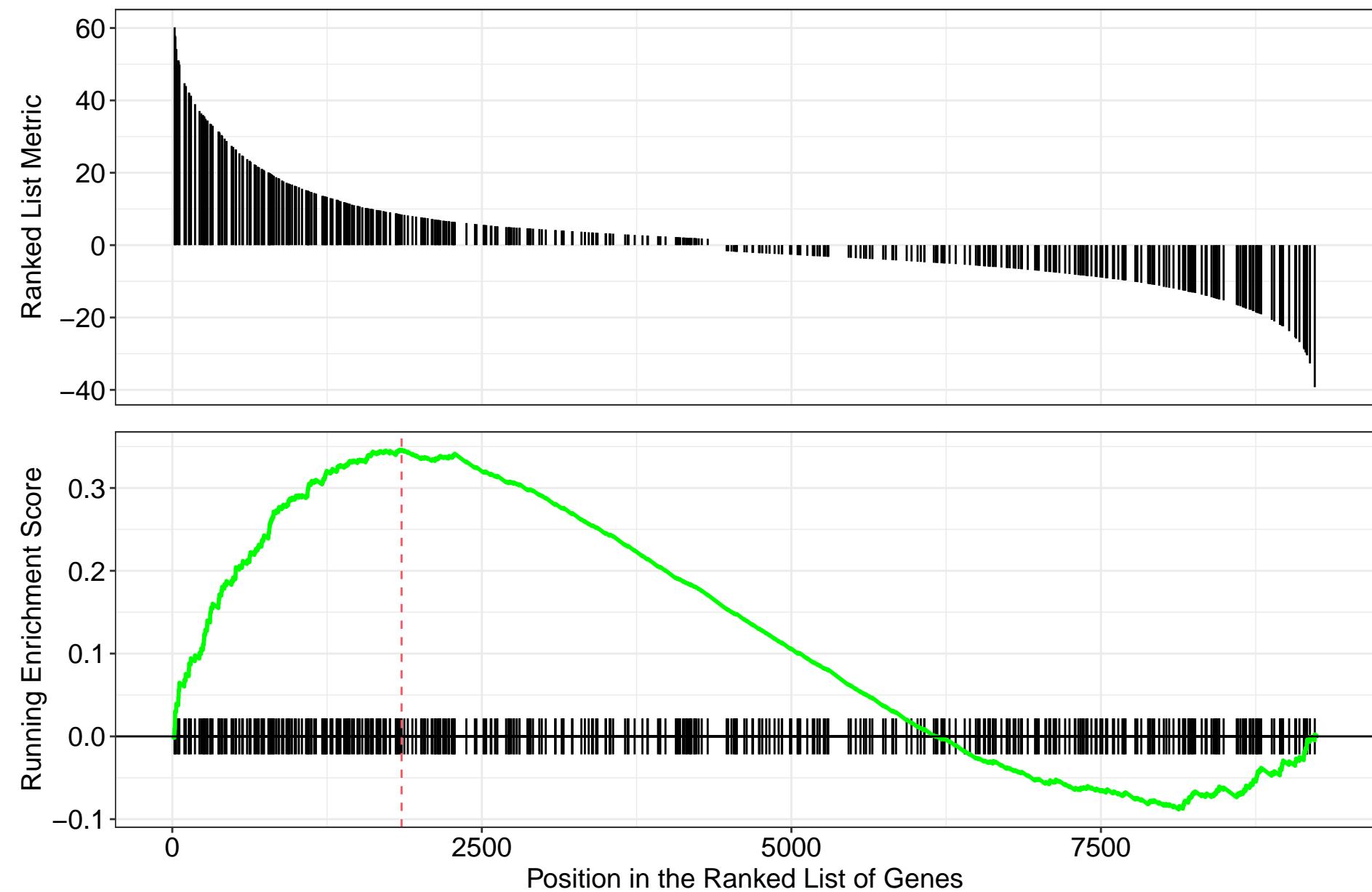
tolerance induction



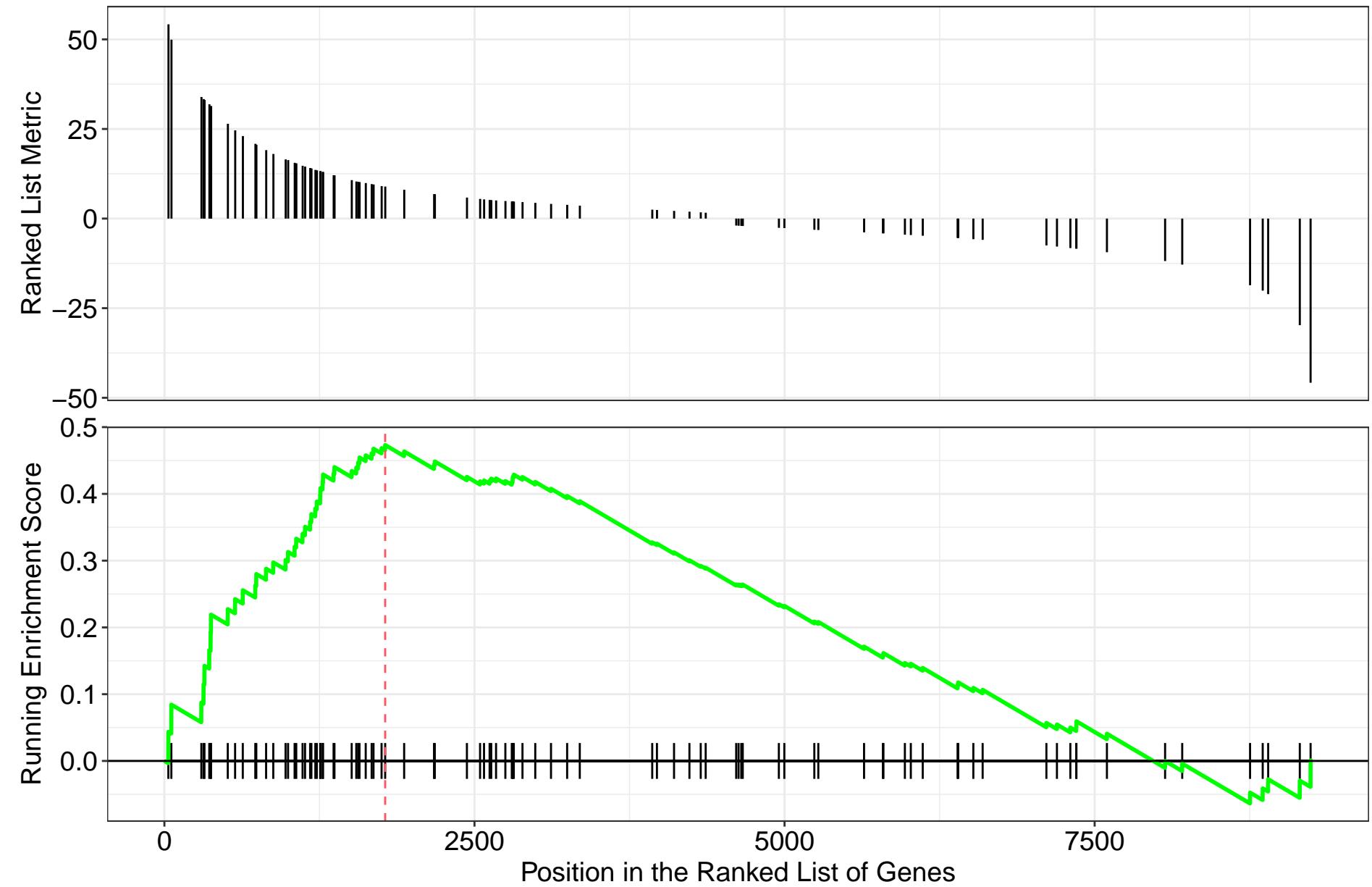
negative regulation of cell motility



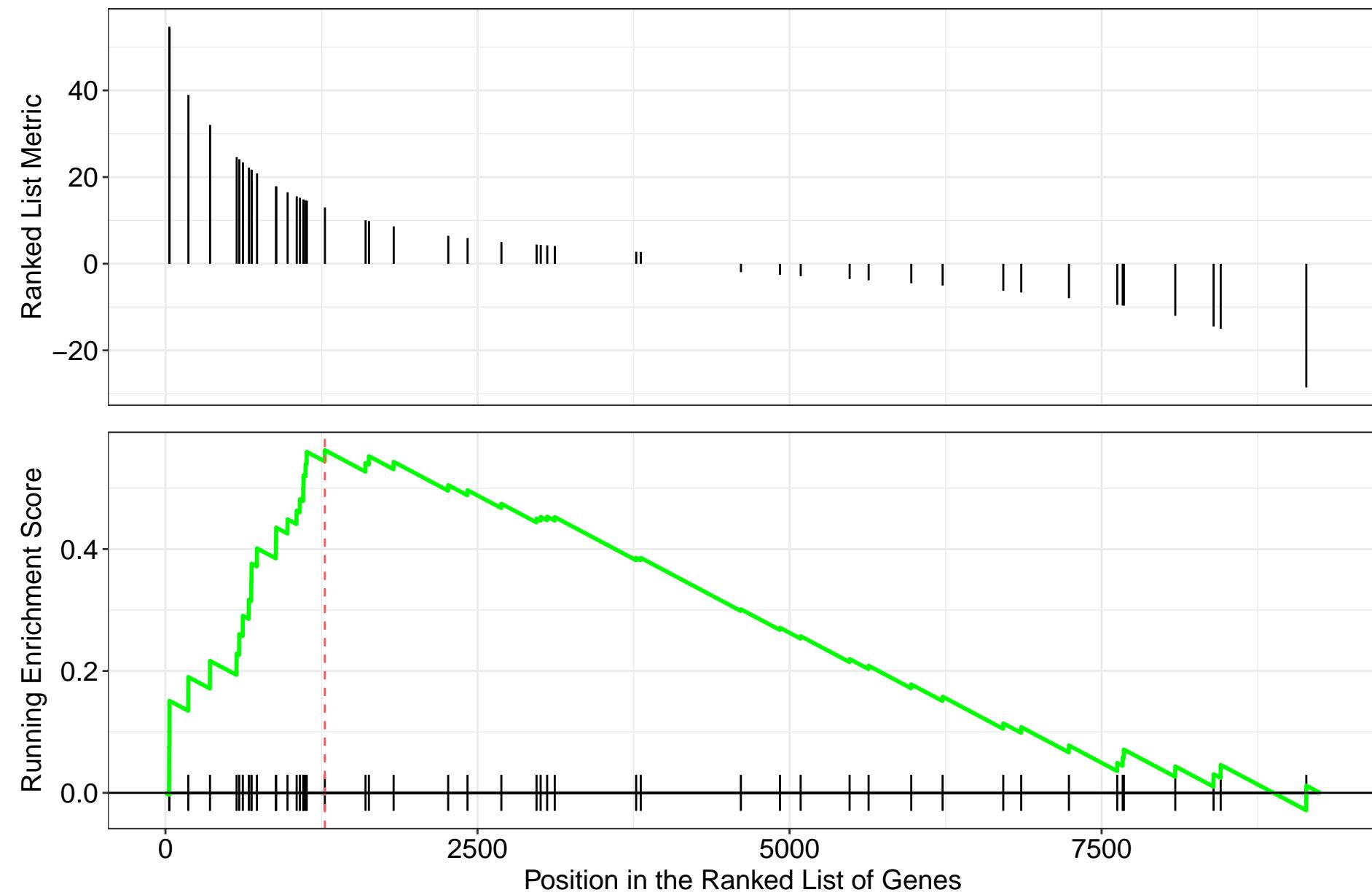
tube morphogenesis



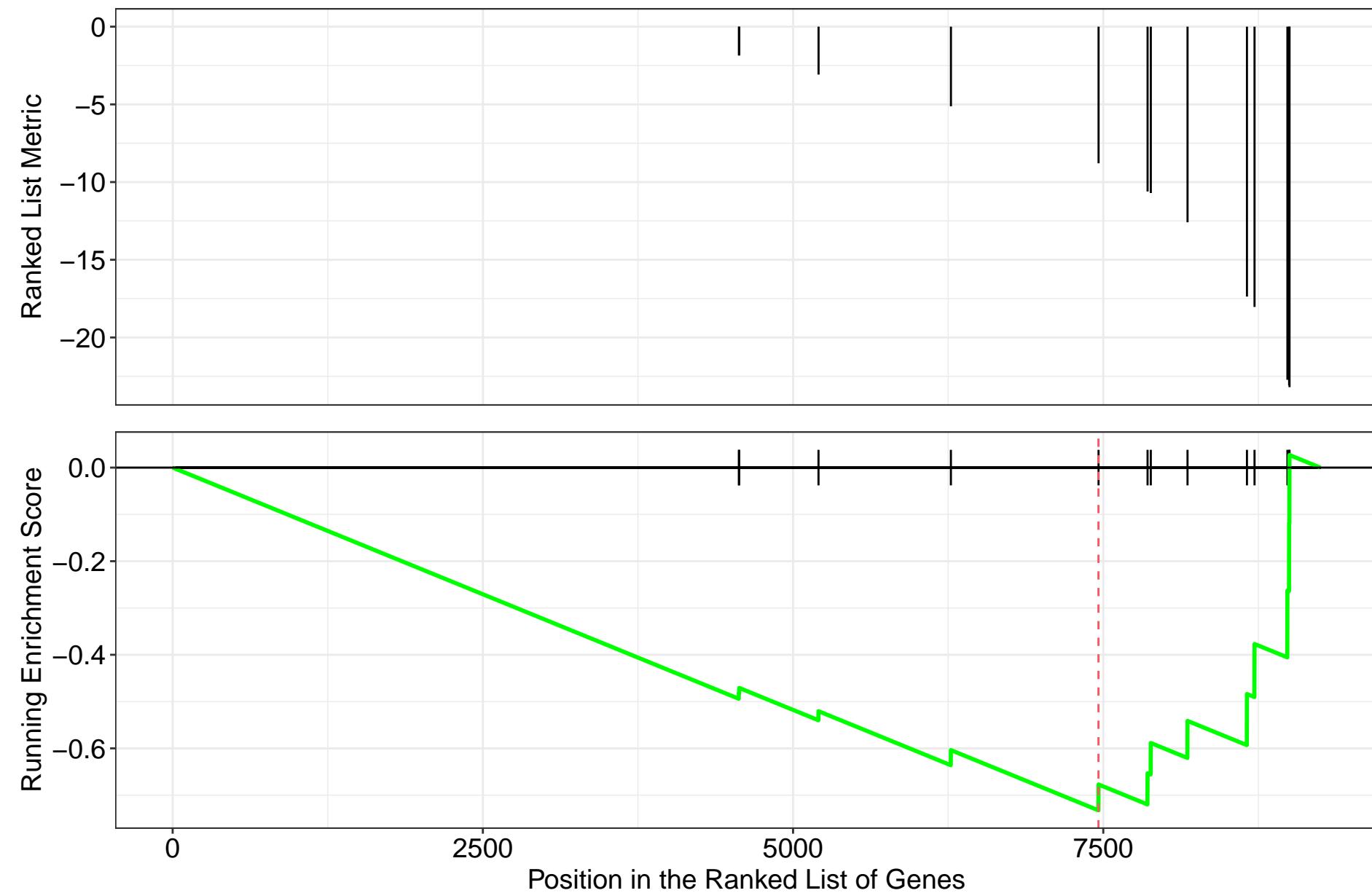
positive regulation of NF–kappaB transcription factor activity



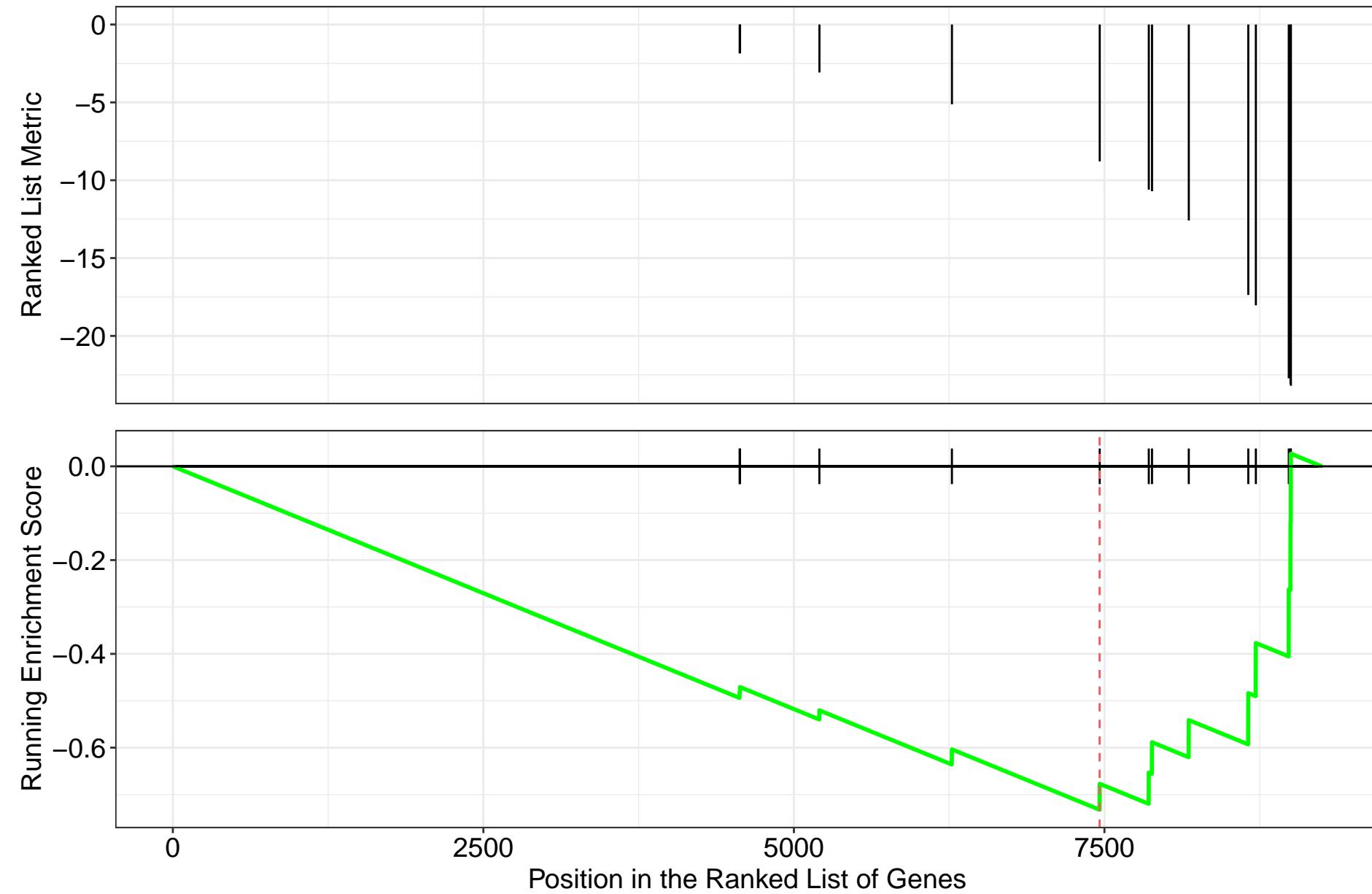
positive regulation of phagocytosis



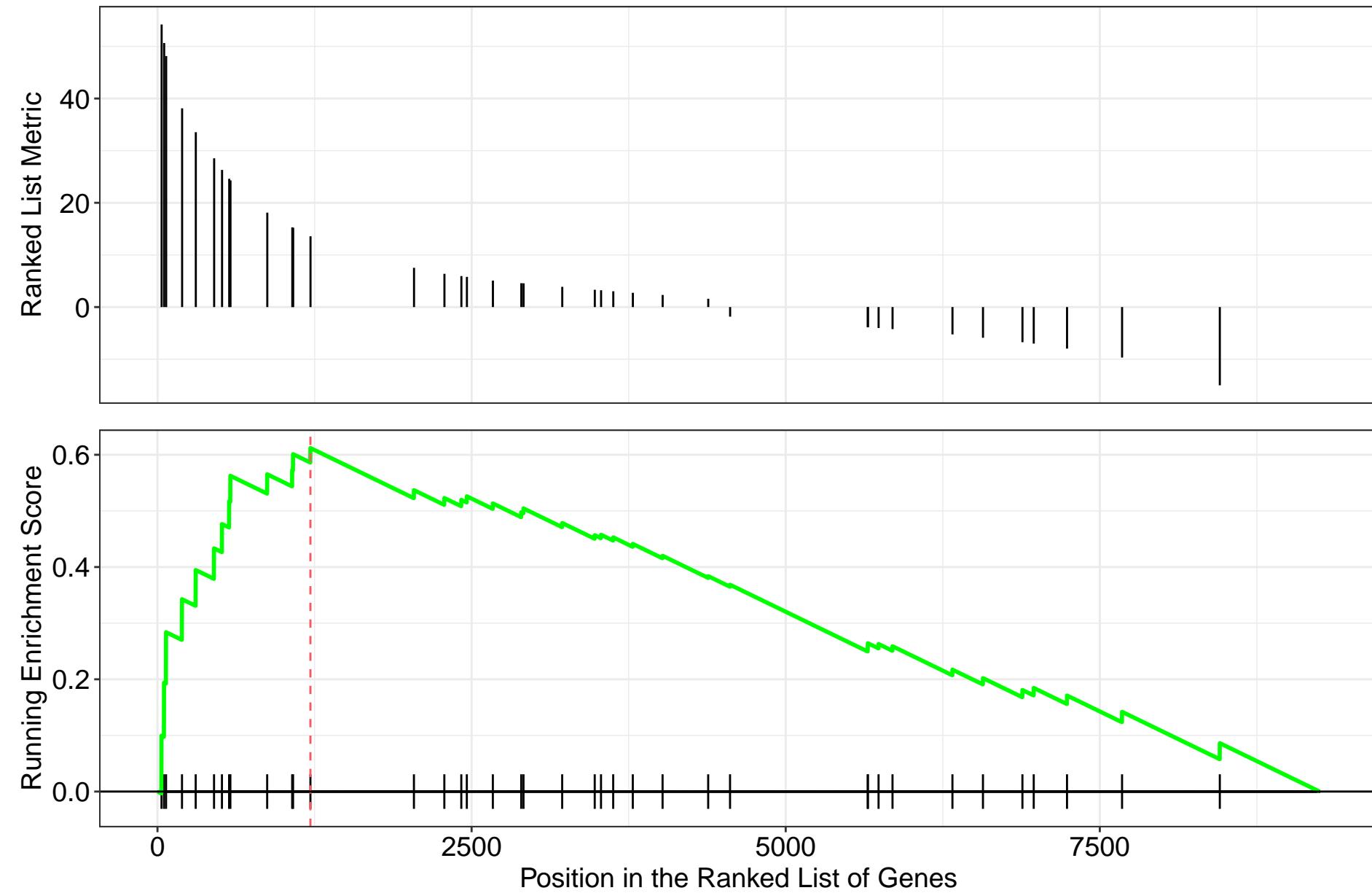
protein localization to kinetochore



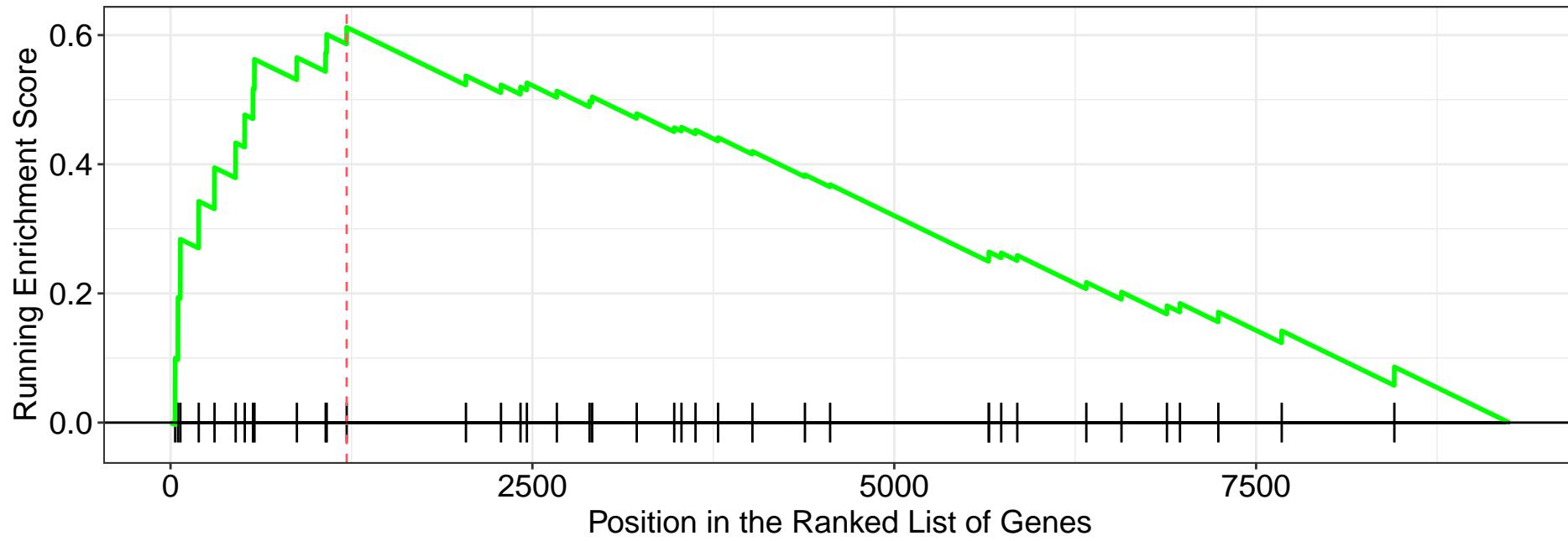
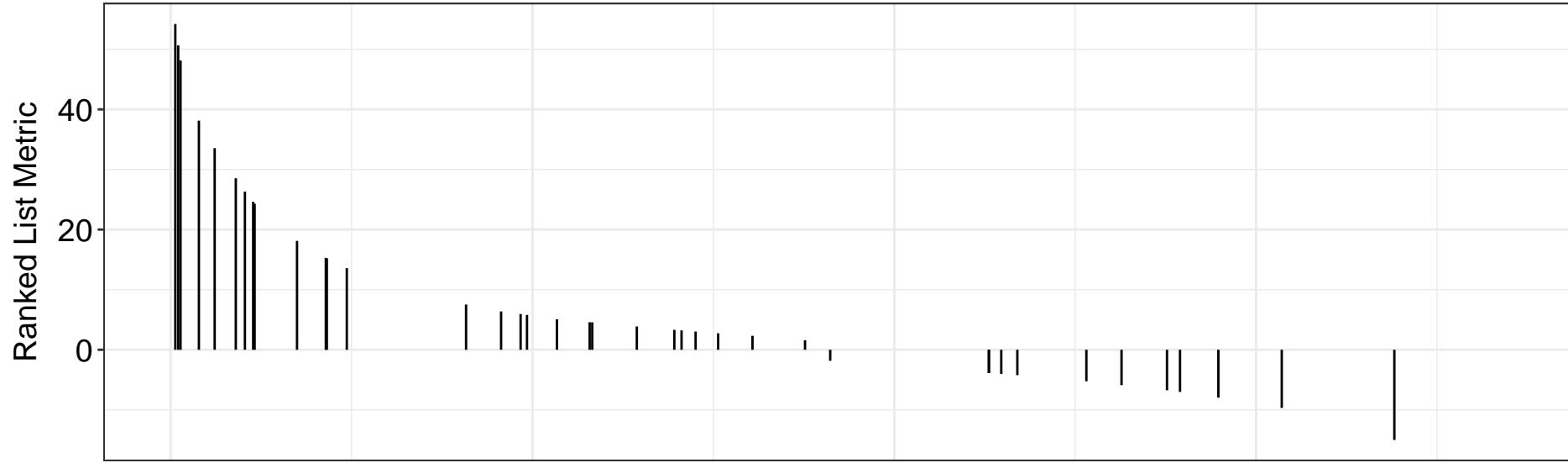
protein localization to condensed chromosome



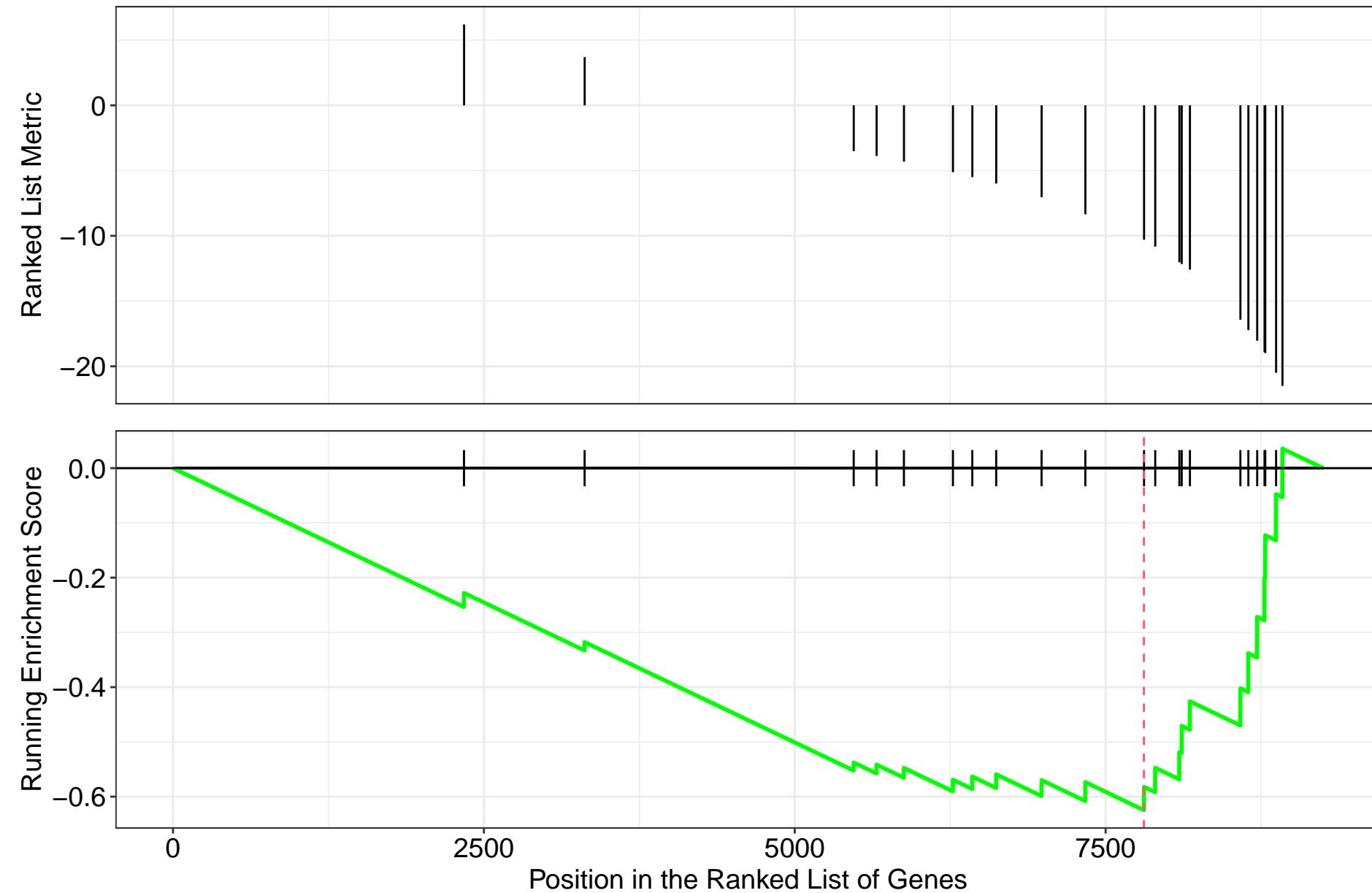
signal transduction in absence of ligand



extrinsic apoptotic signaling pathway in absence of ligand



positive regulation of chromosome segregation



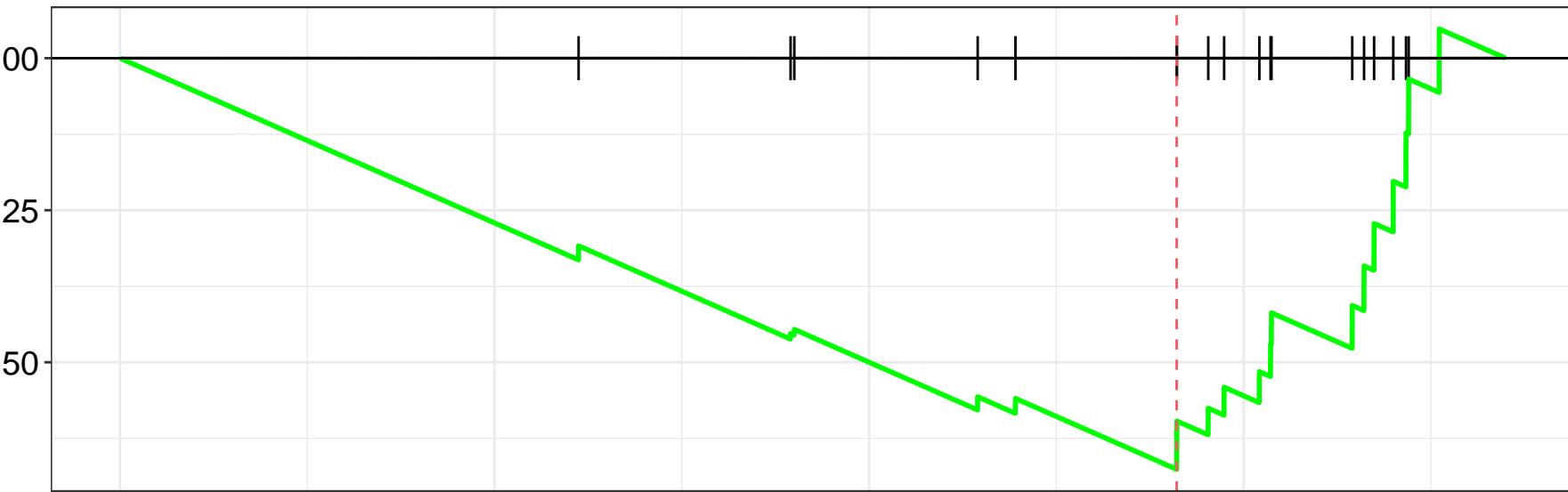
DNA replication initiation

Ranked List Metric

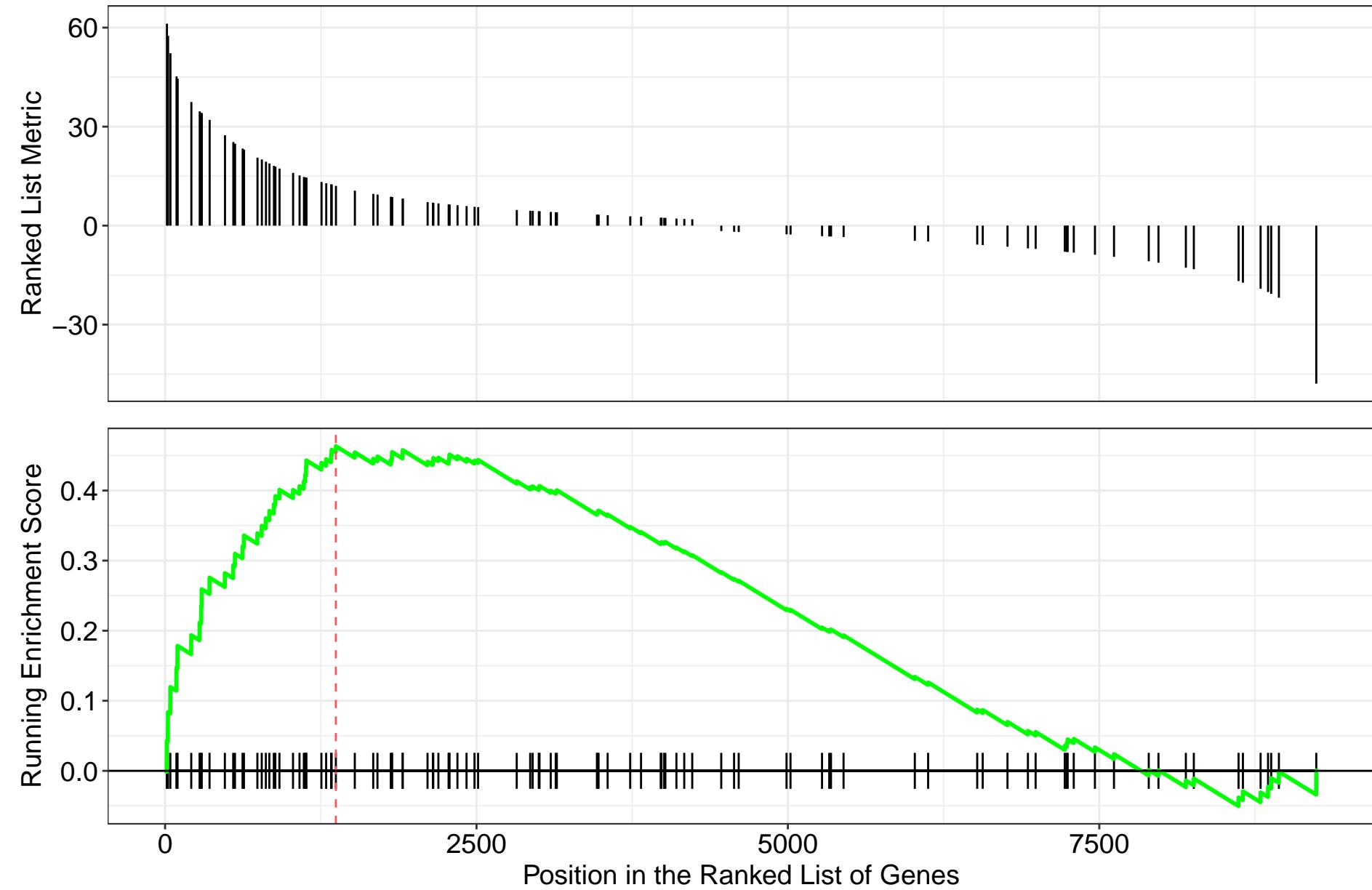


Running Enrichment Score

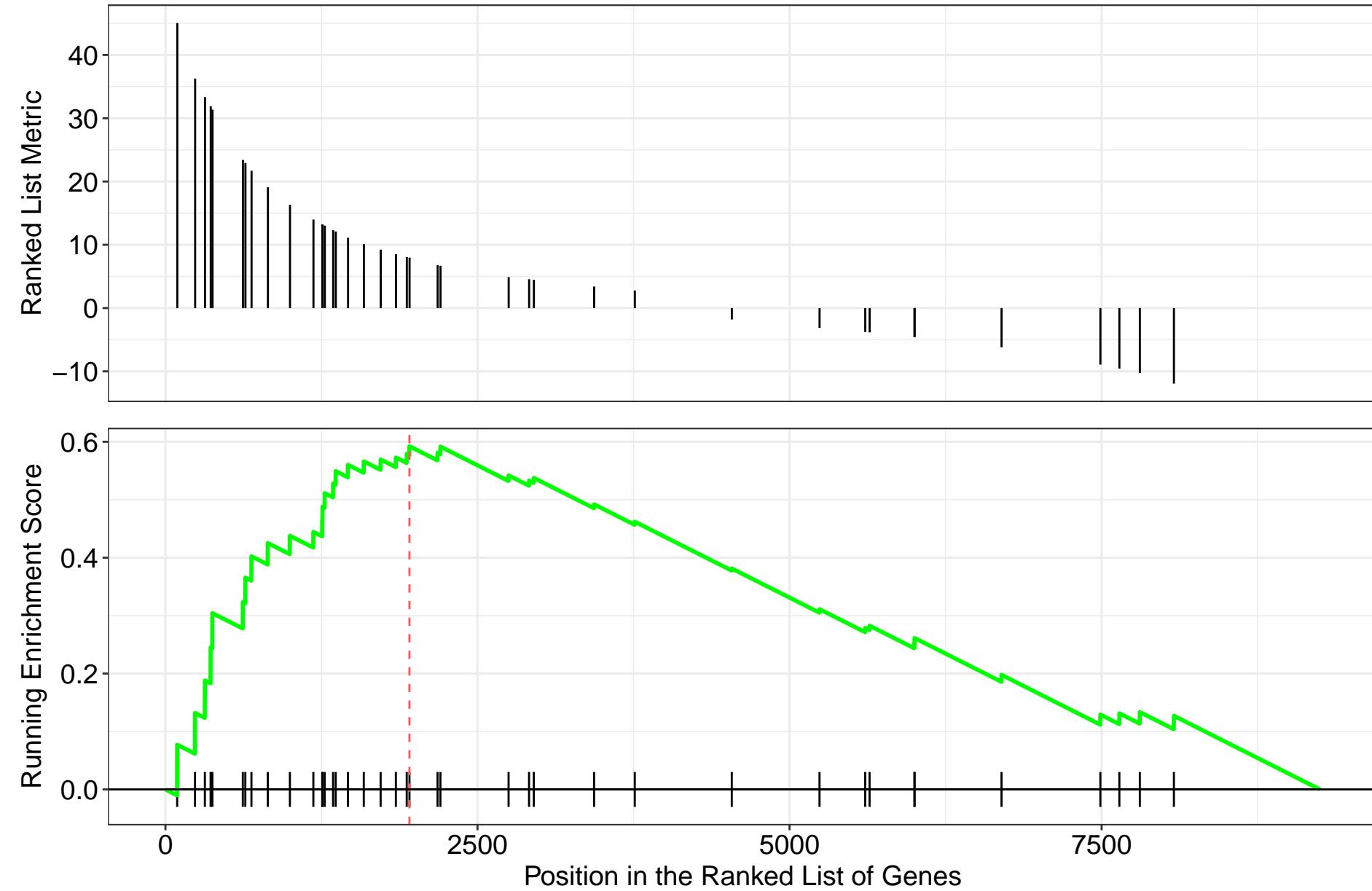
Position in the Ranked List of Genes



regulation of T cell differentiation

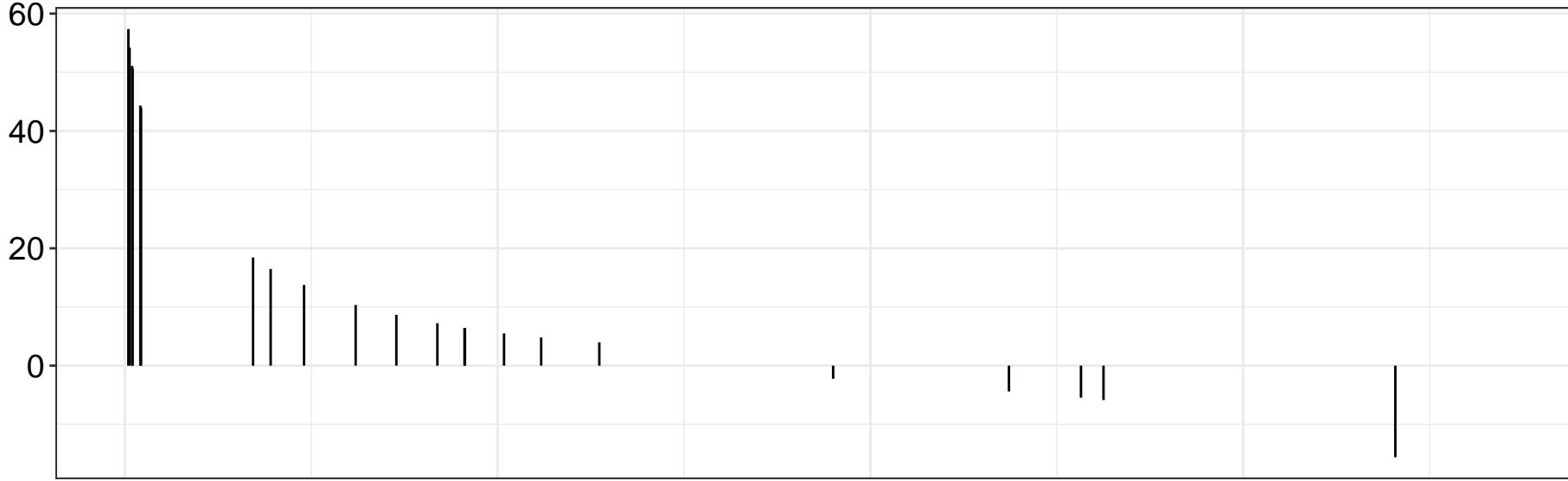


modulation by symbiont of entry into host



icosanoid secretion

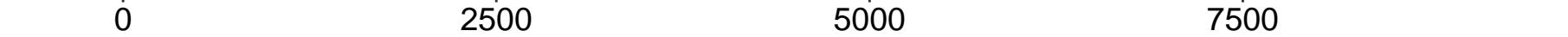
Ranked List Metric



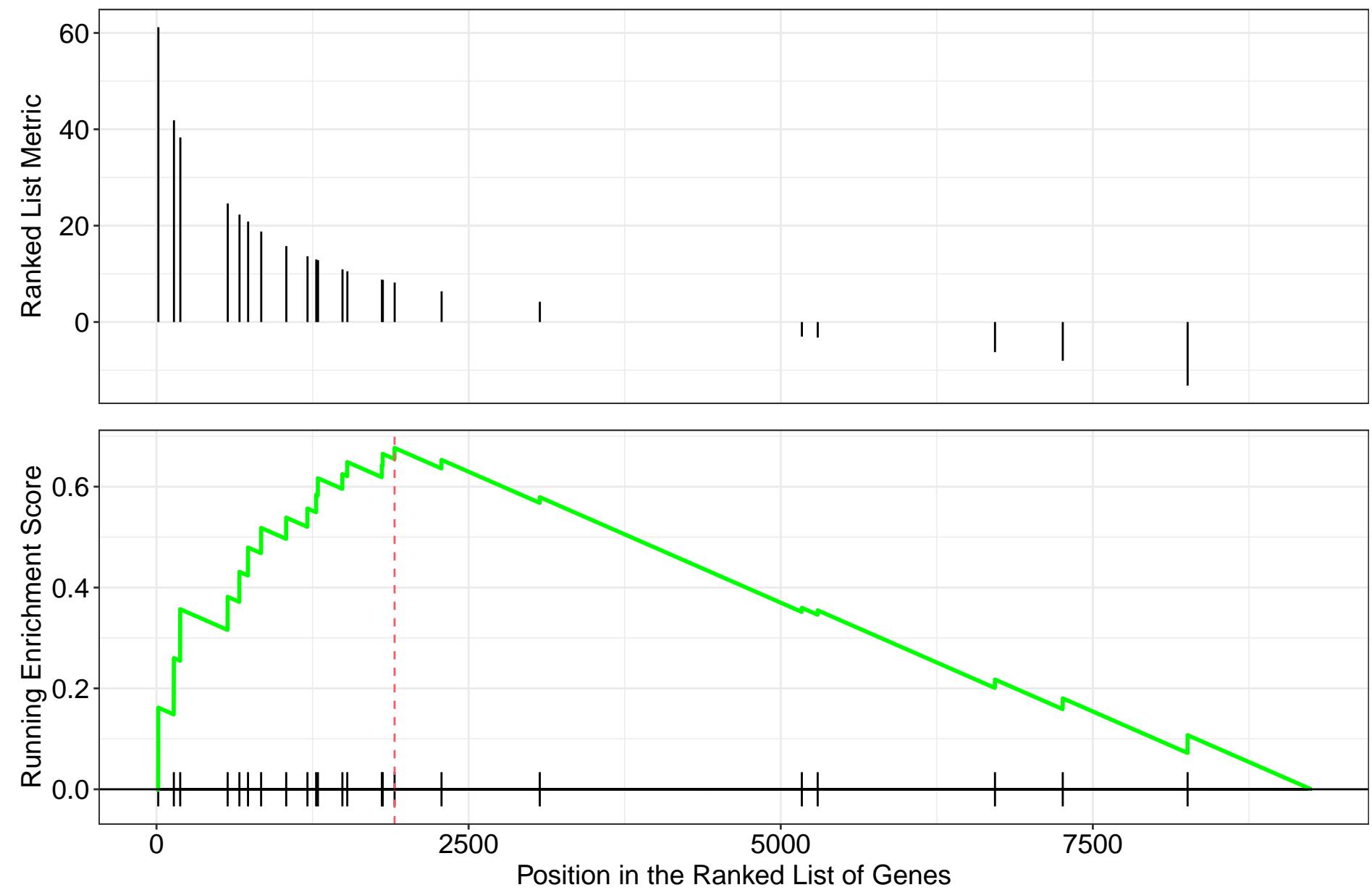
Running Enrichment Score

Position in the Ranked List of Genes

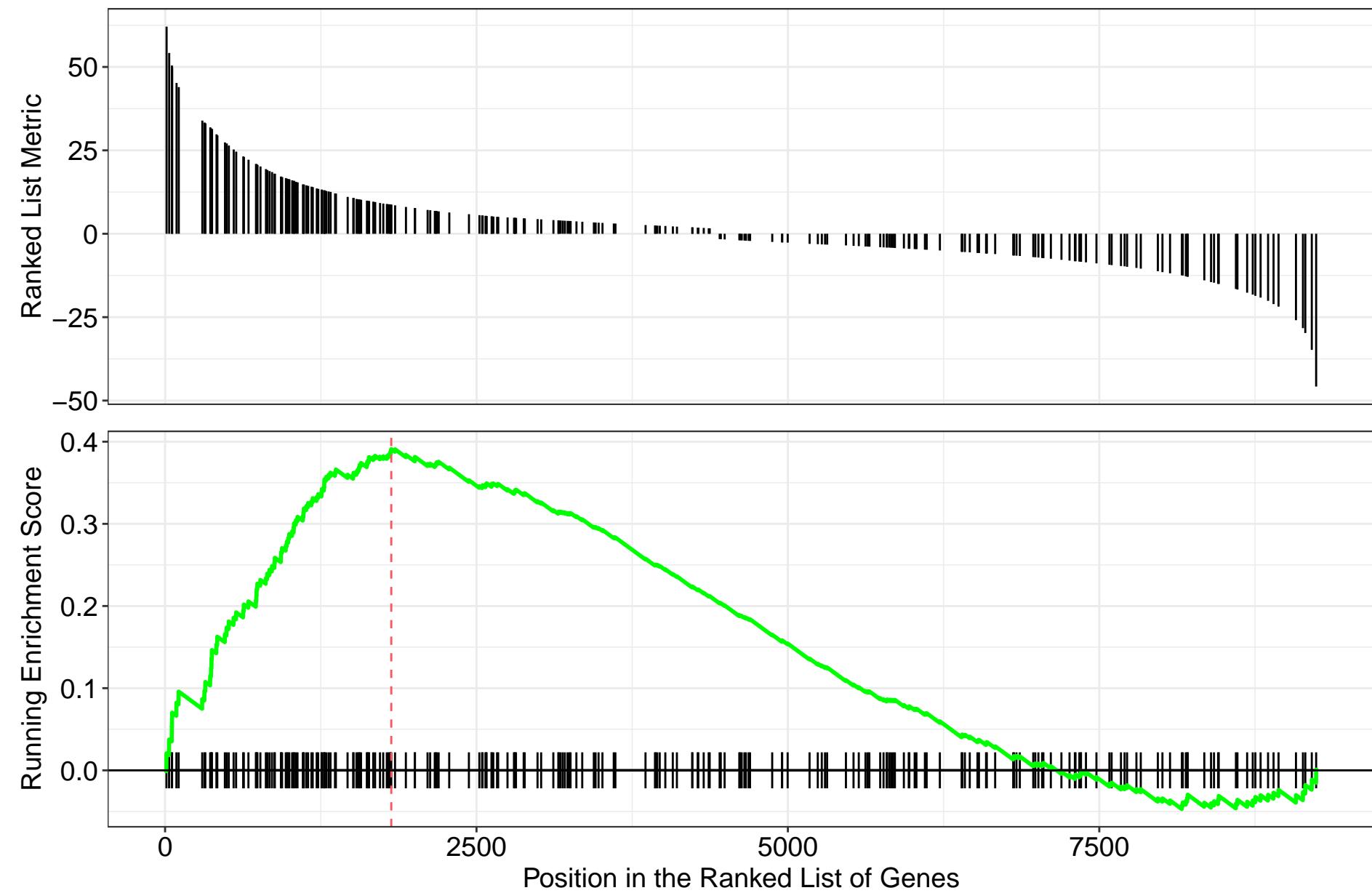
0 2500 5000 7500



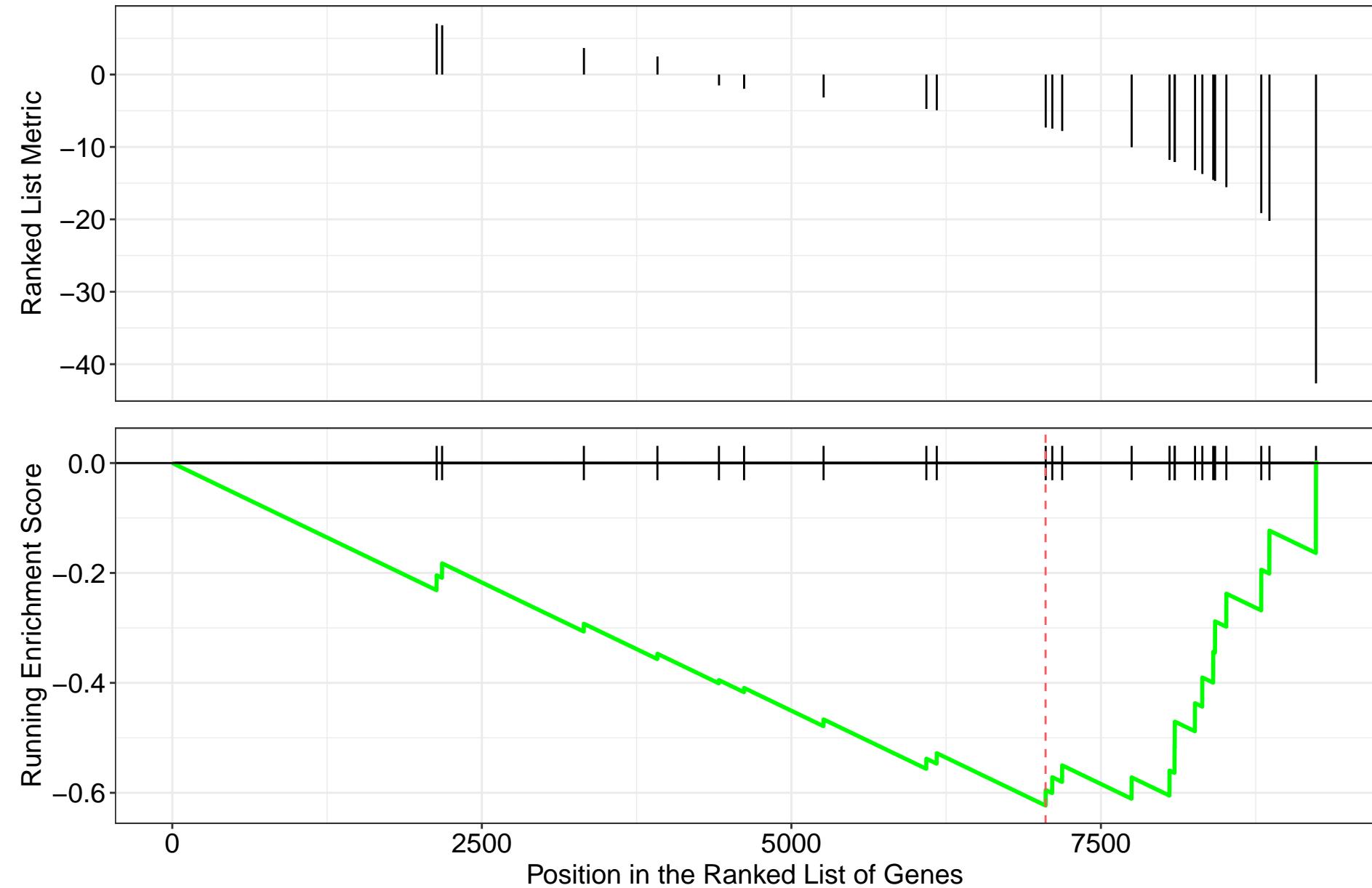
negative regulation of cytokine production involved in immune response



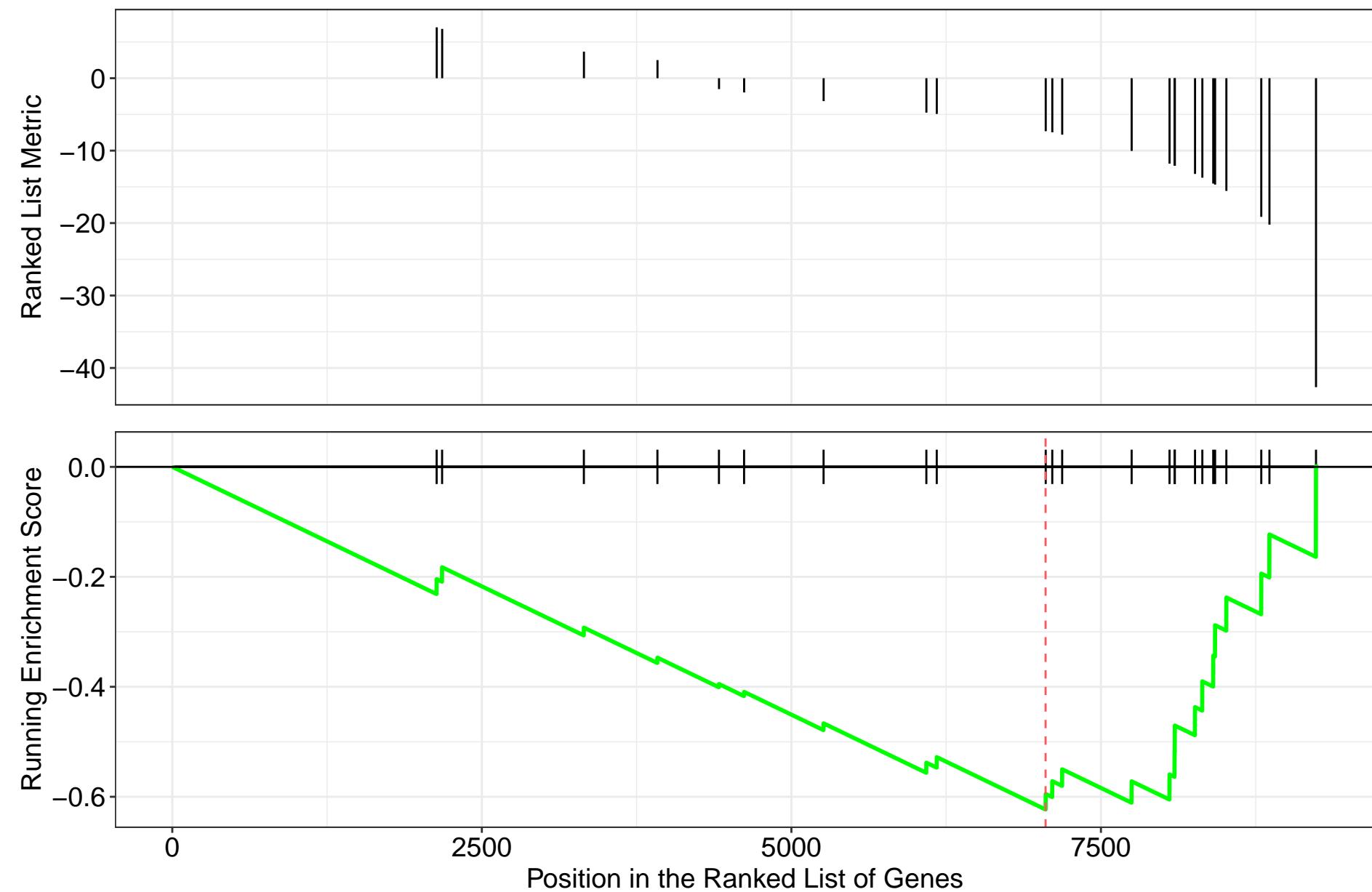
regulation of DNA–binding transcription factor activity



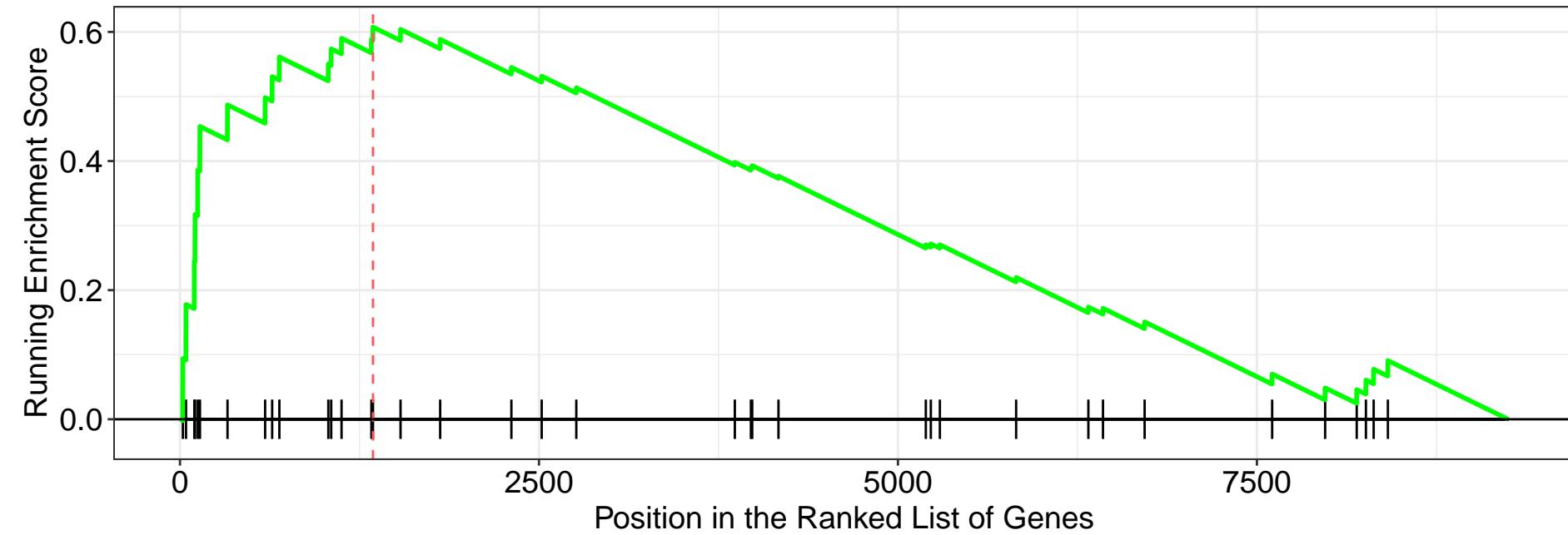
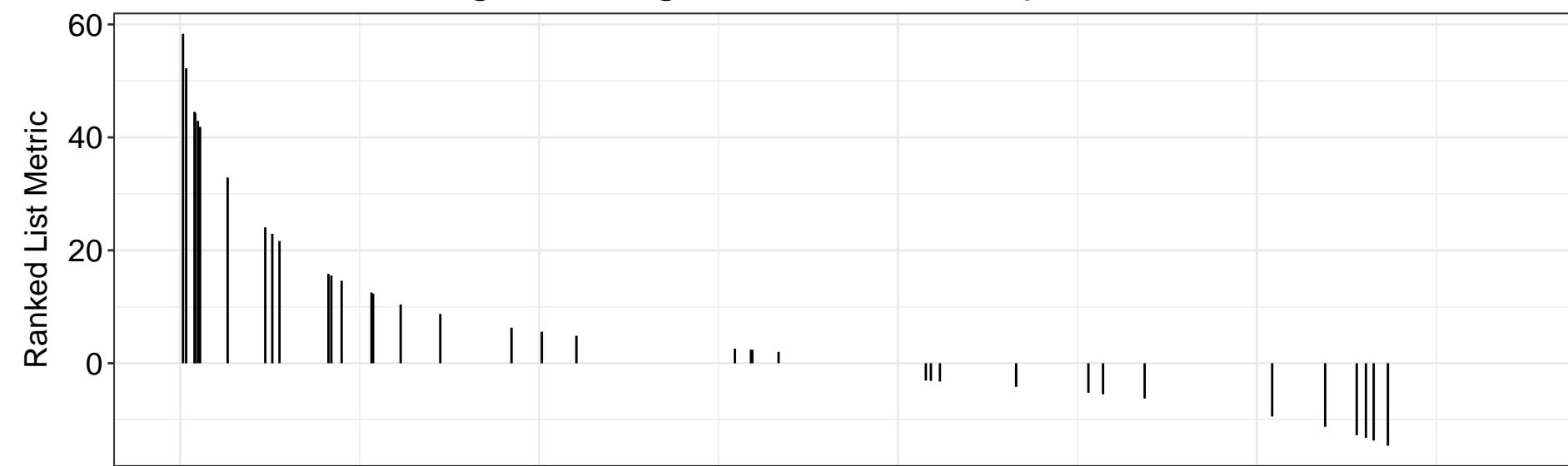
reciprocal meiotic recombination



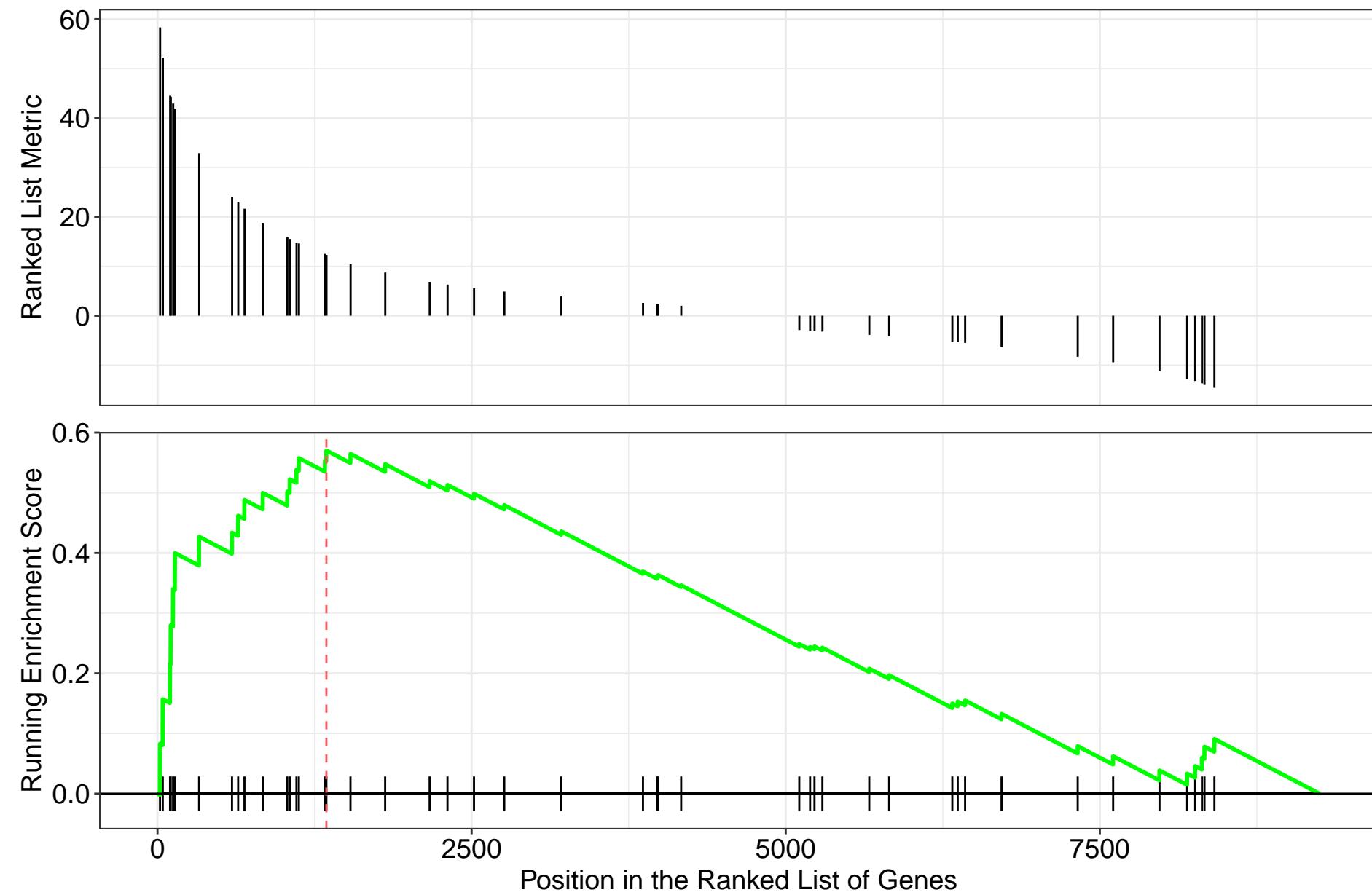
reciprocal homologous recombination



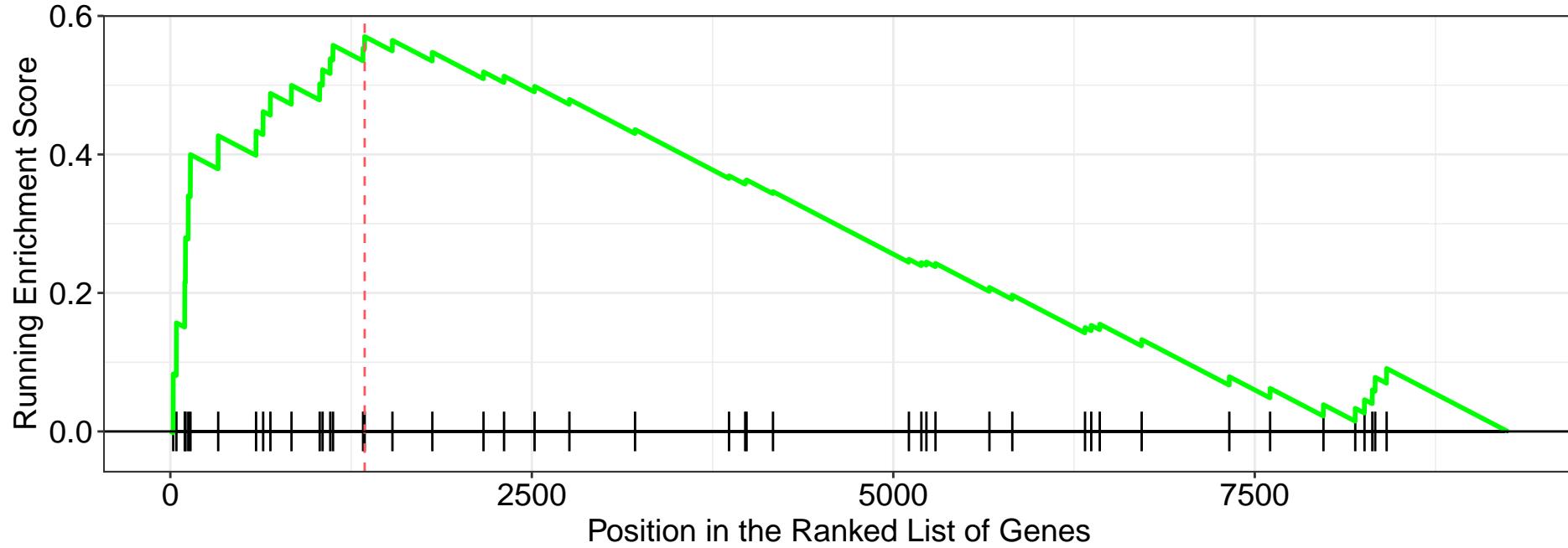
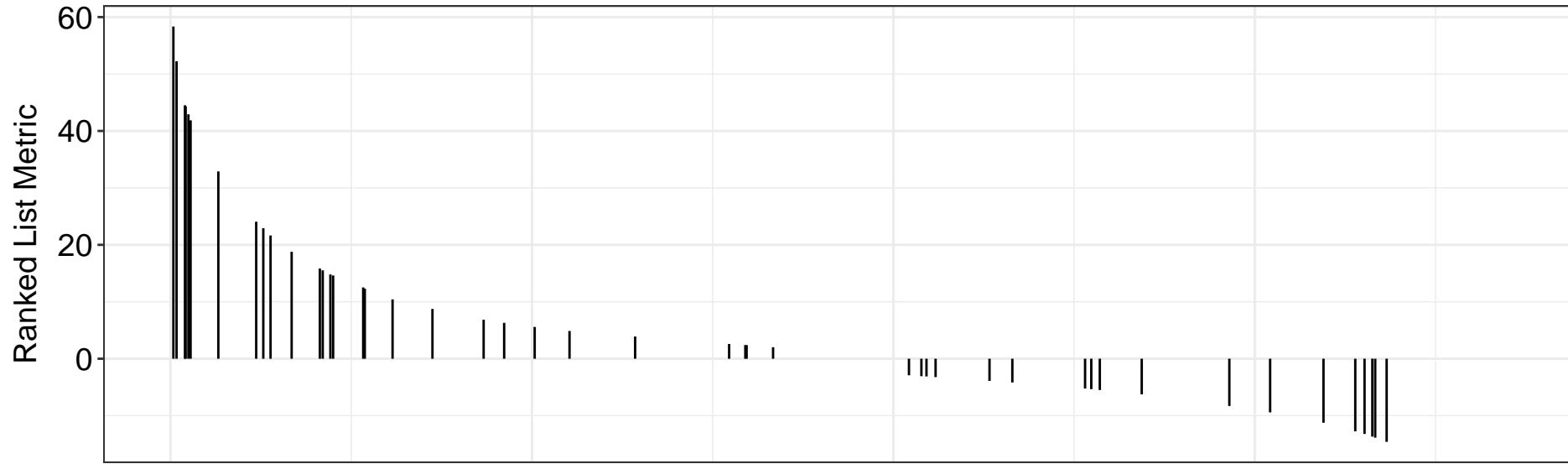
negative regulation of T cell proliferation



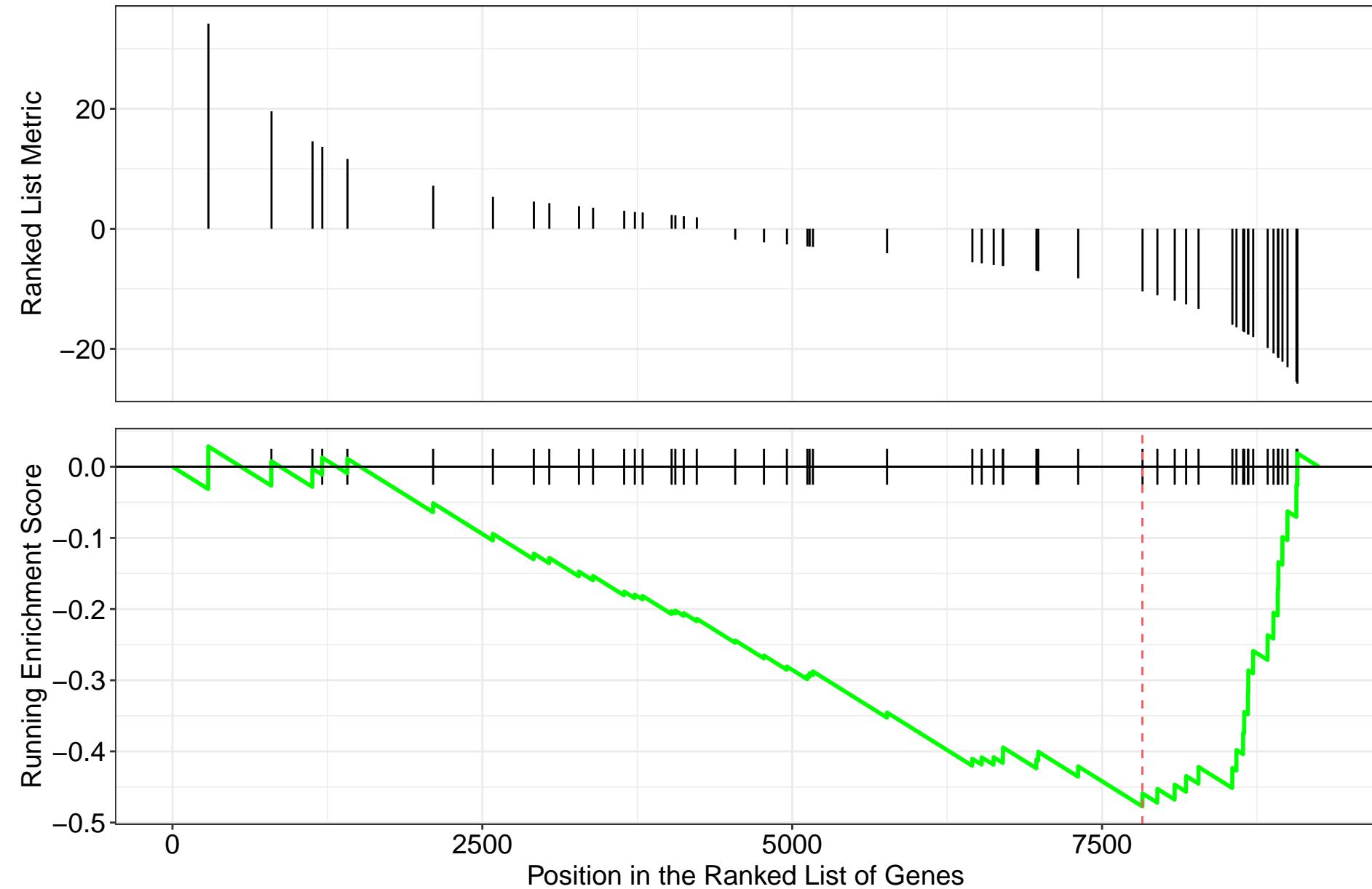
negative regulation of mononuclear cell proliferation



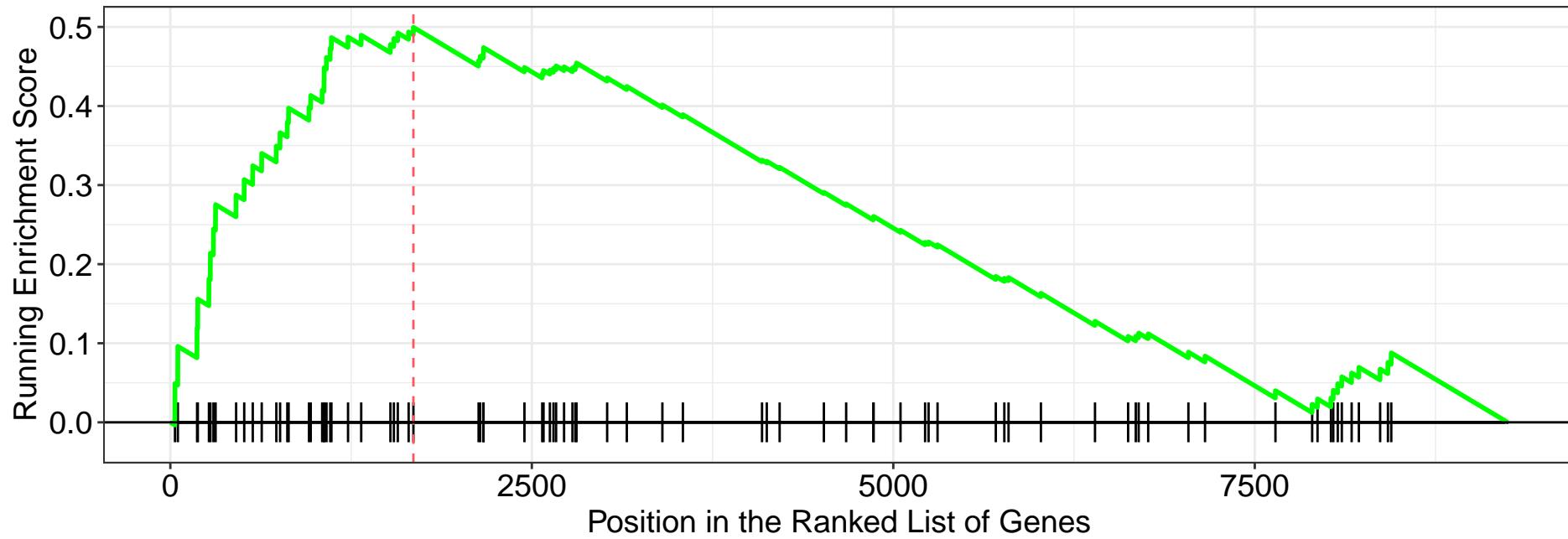
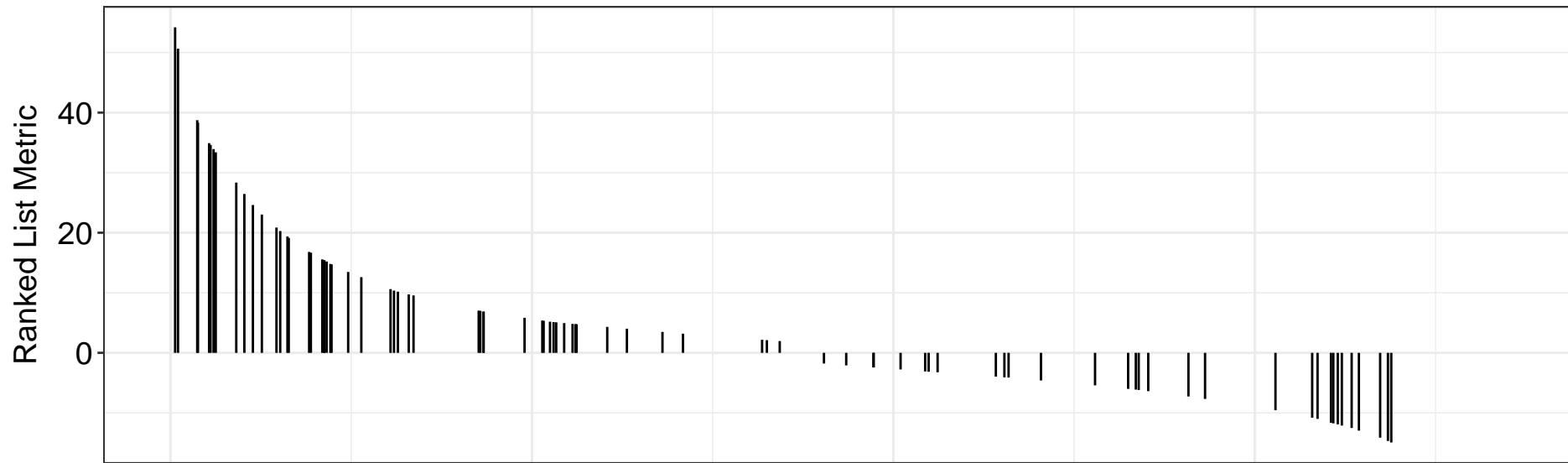
negative regulation of lymphocyte proliferation



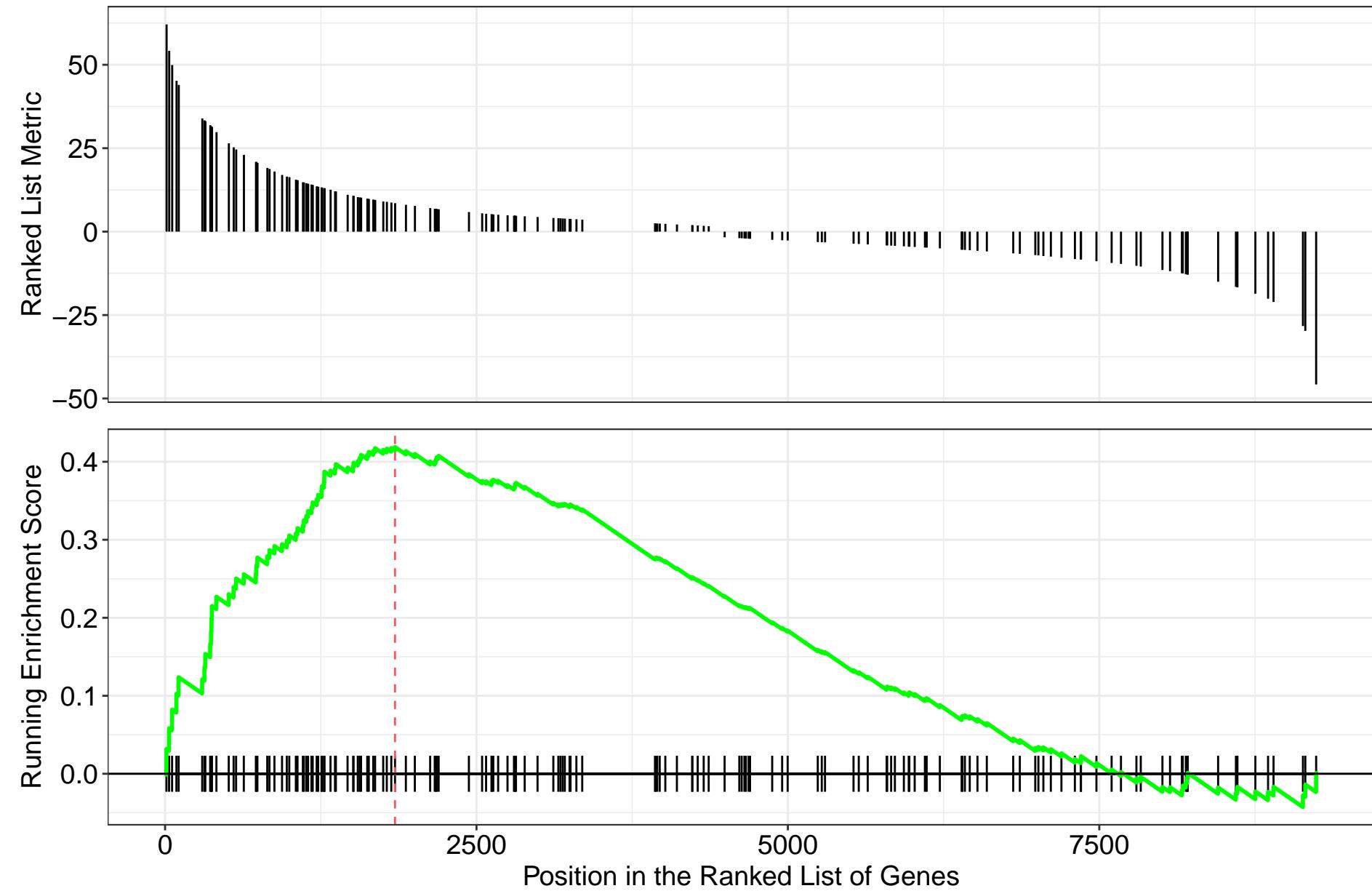
regulation of cytokinesis



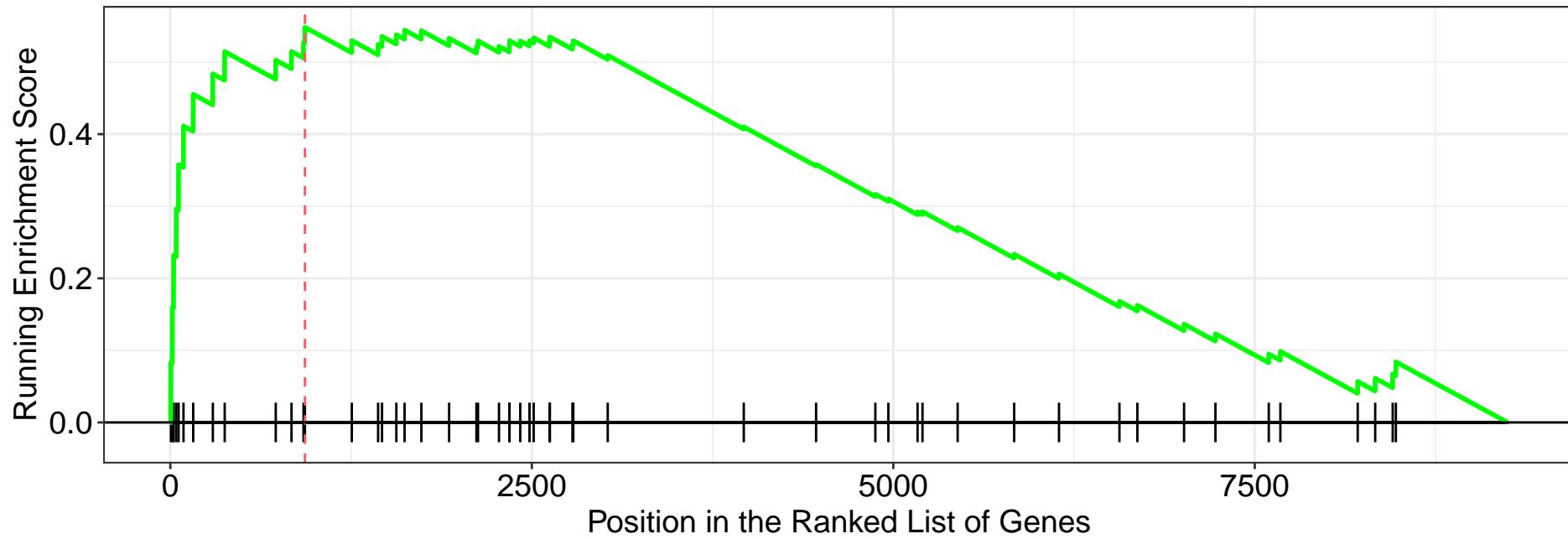
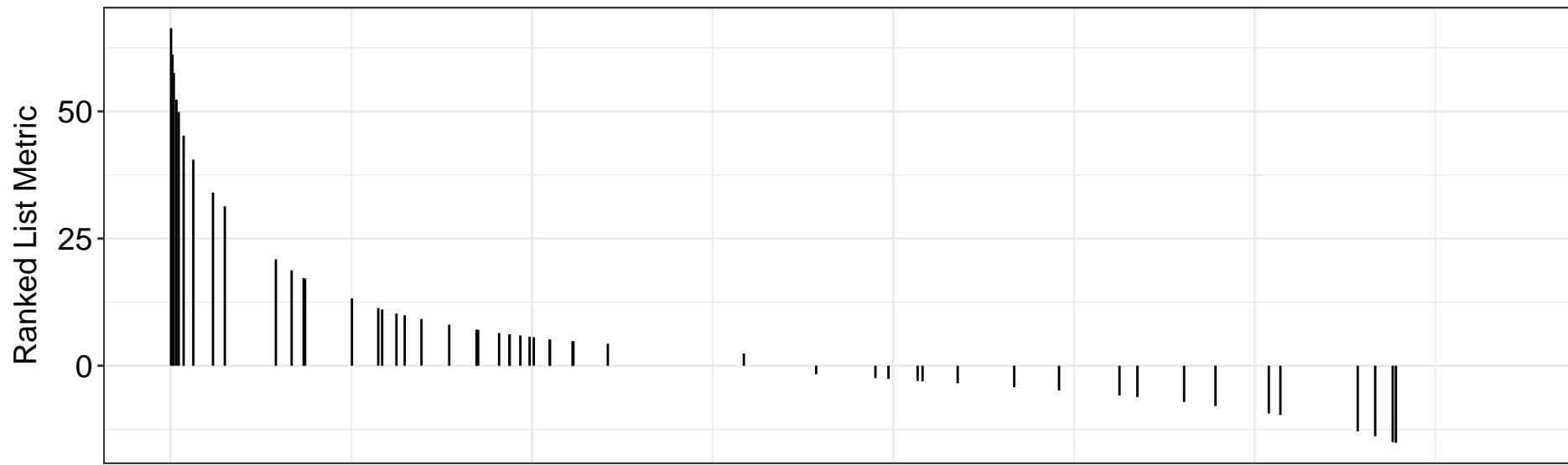
positive regulation of stress-activated protein kinase signaling cascade



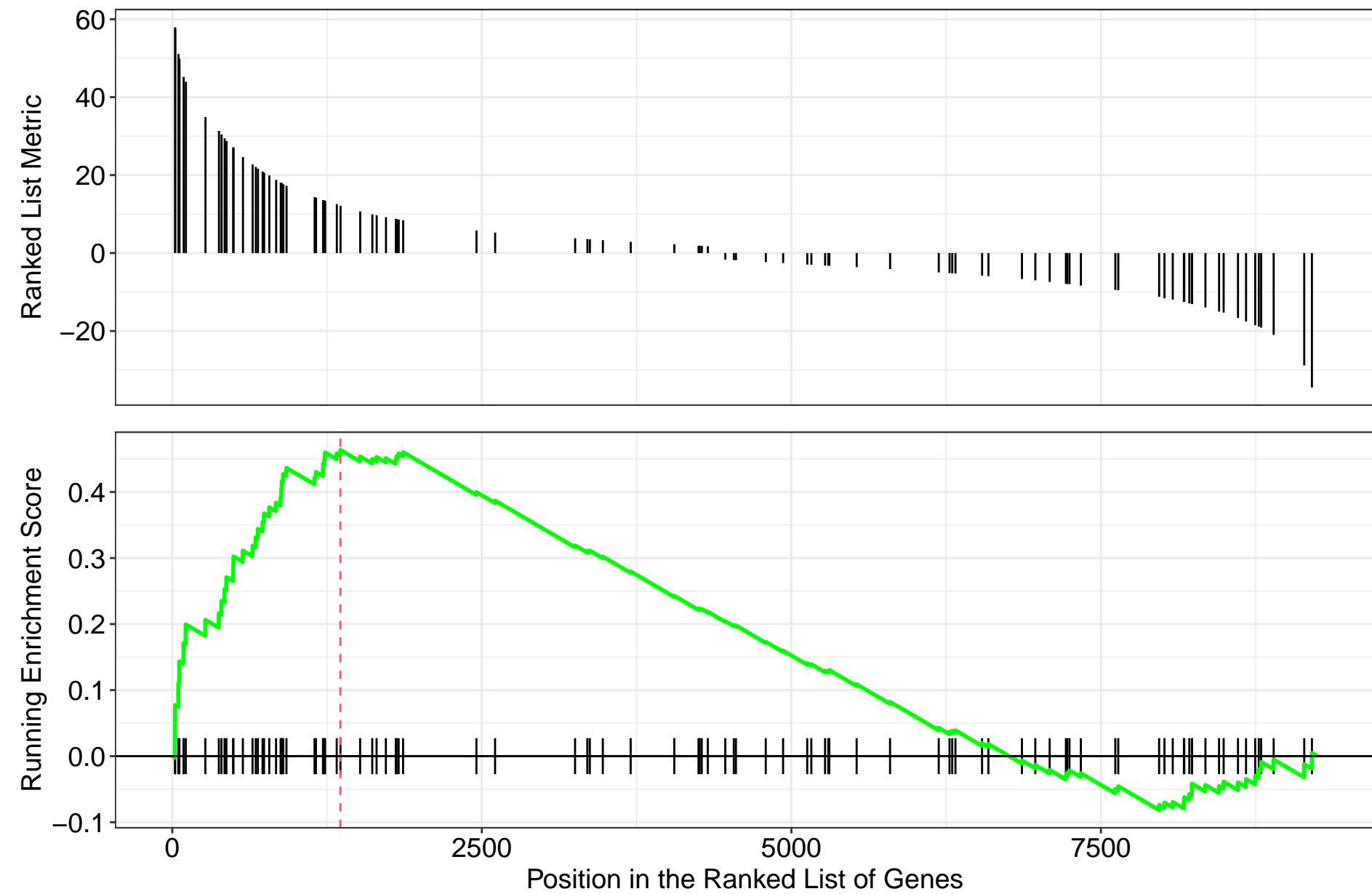
positive regulation of DNA–binding transcription factor activity



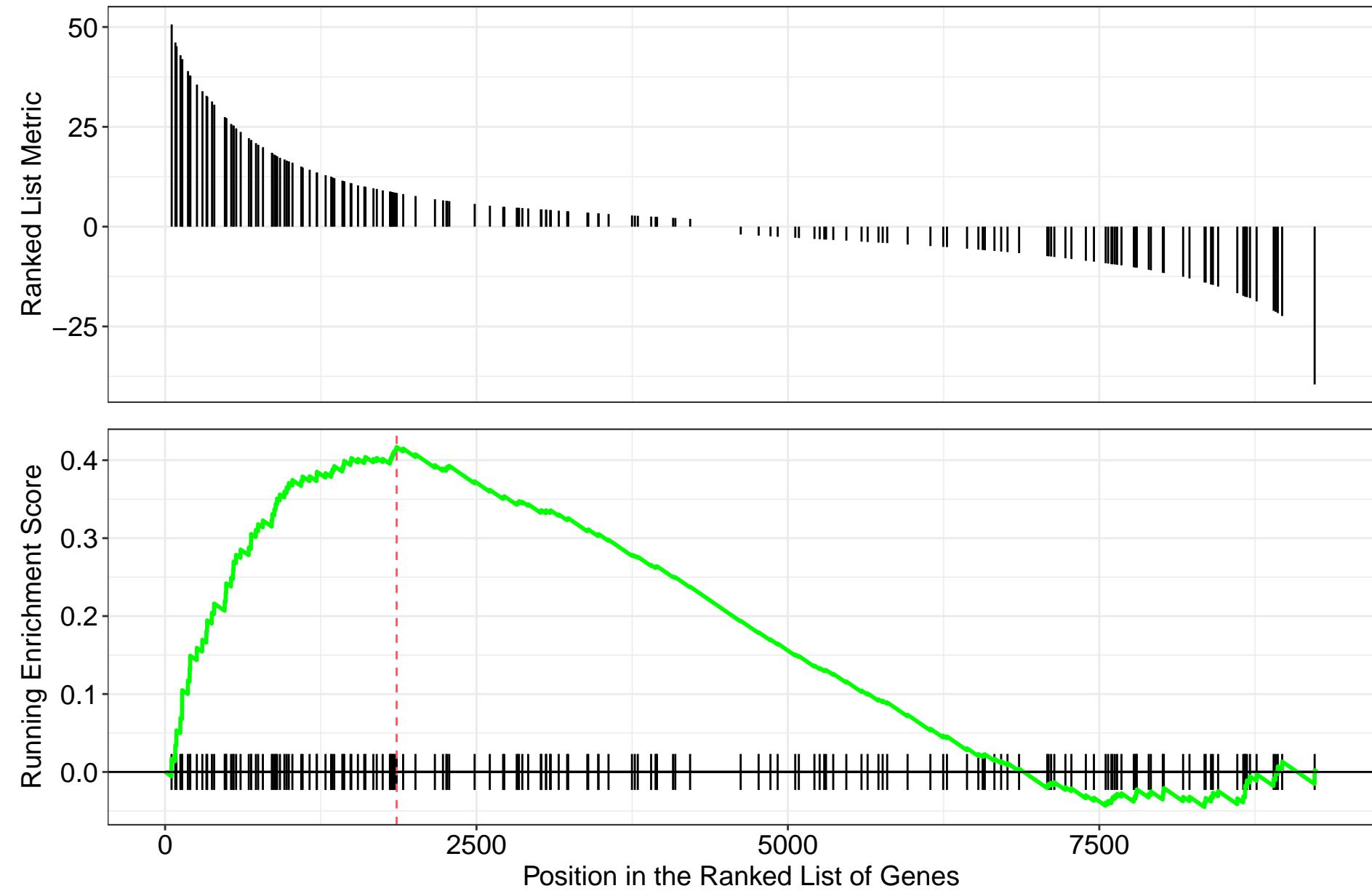
regulation of receptor signaling pathway via STAT



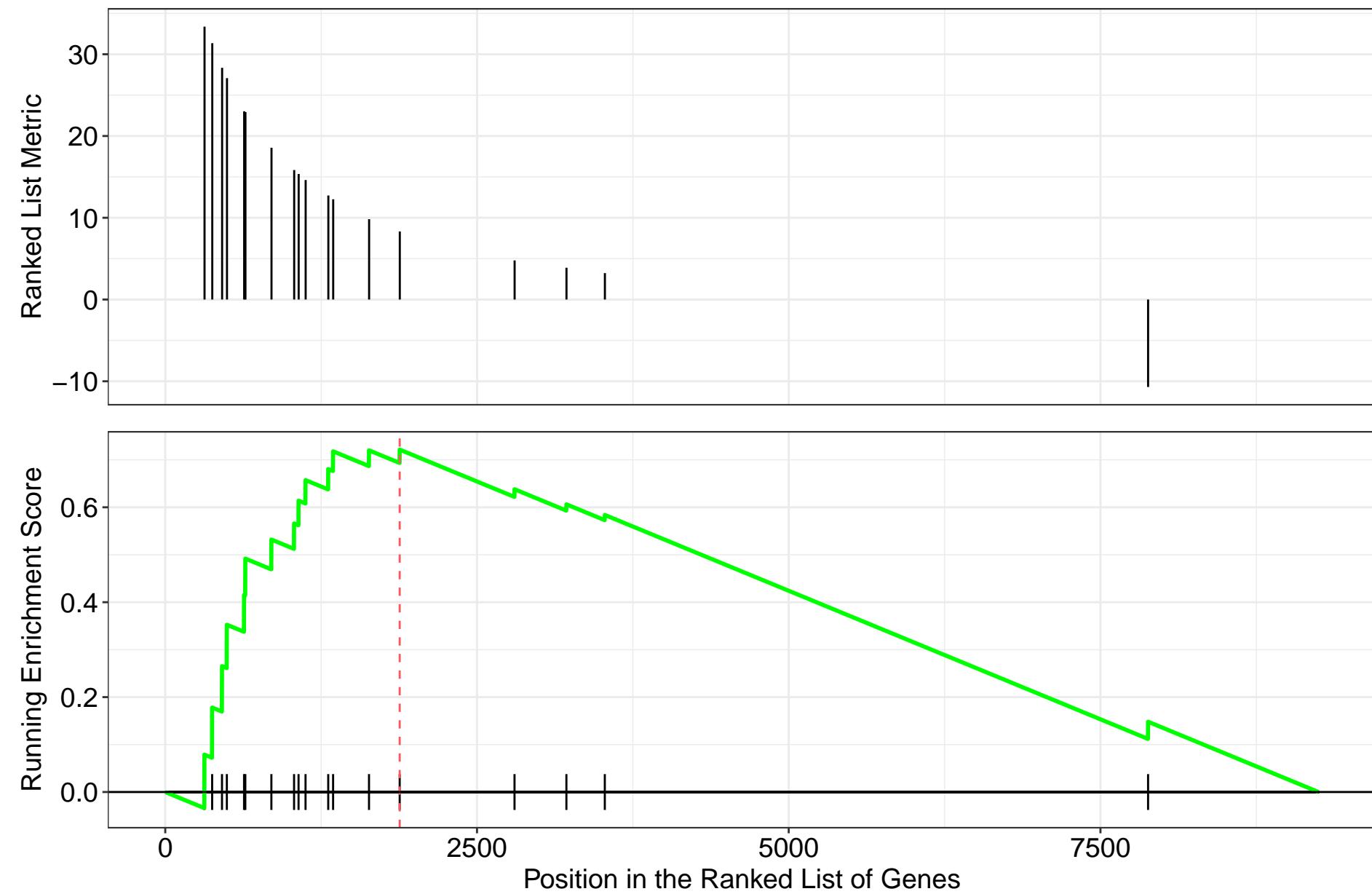
smooth muscle cell proliferation



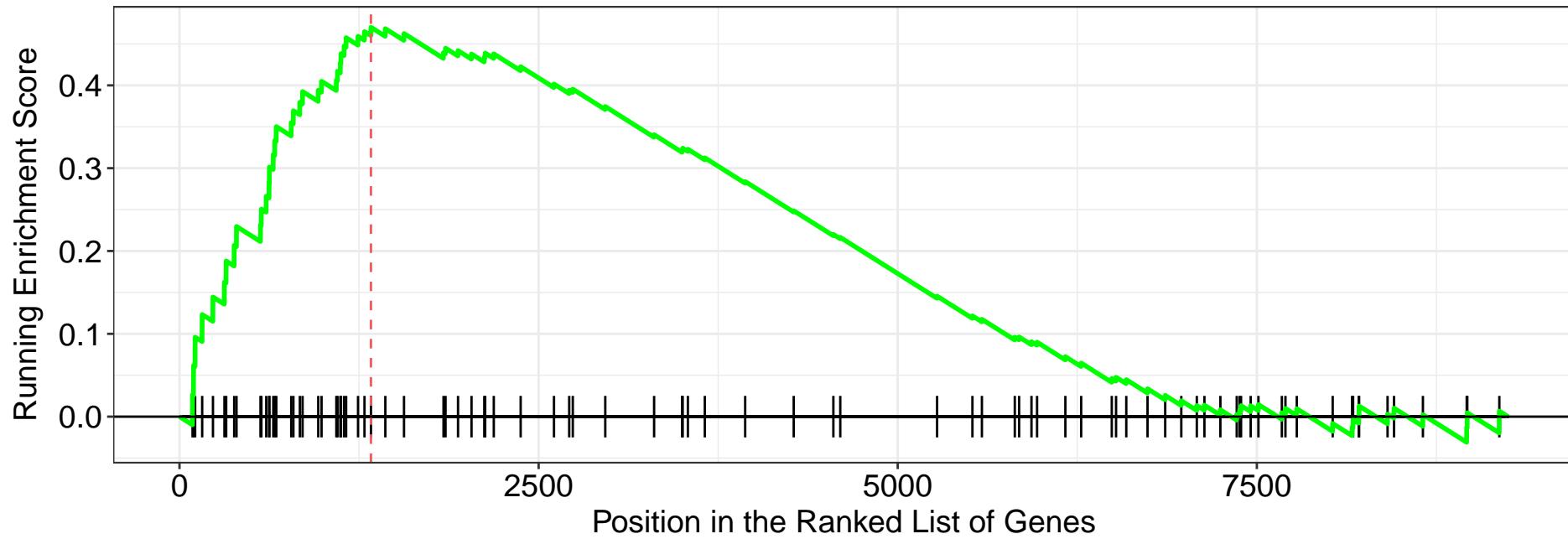
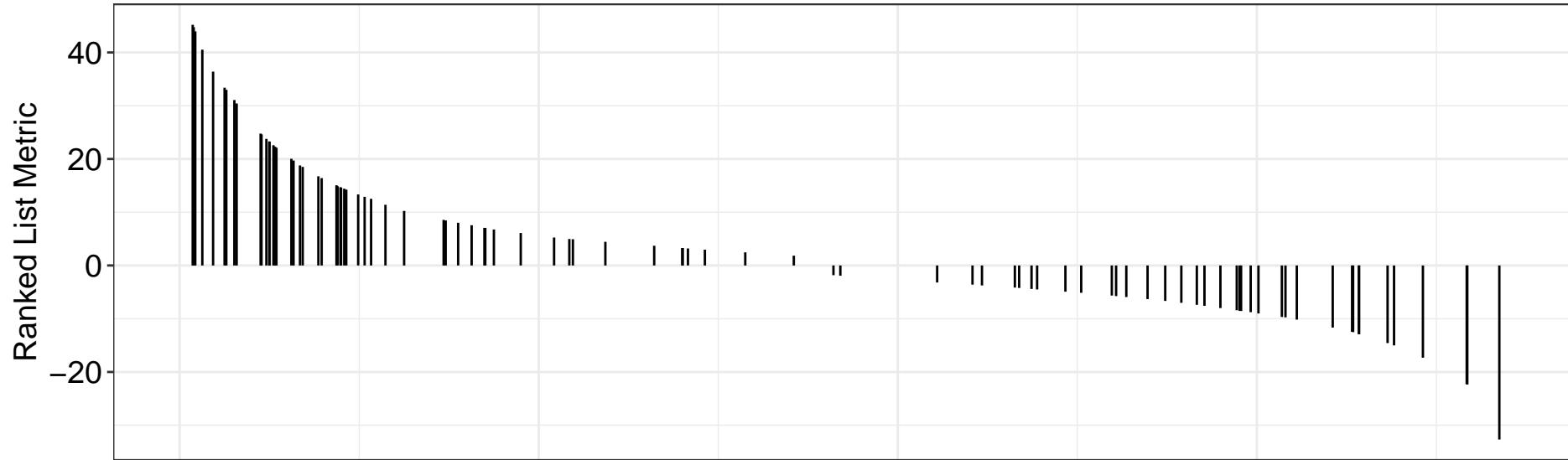
wound healing



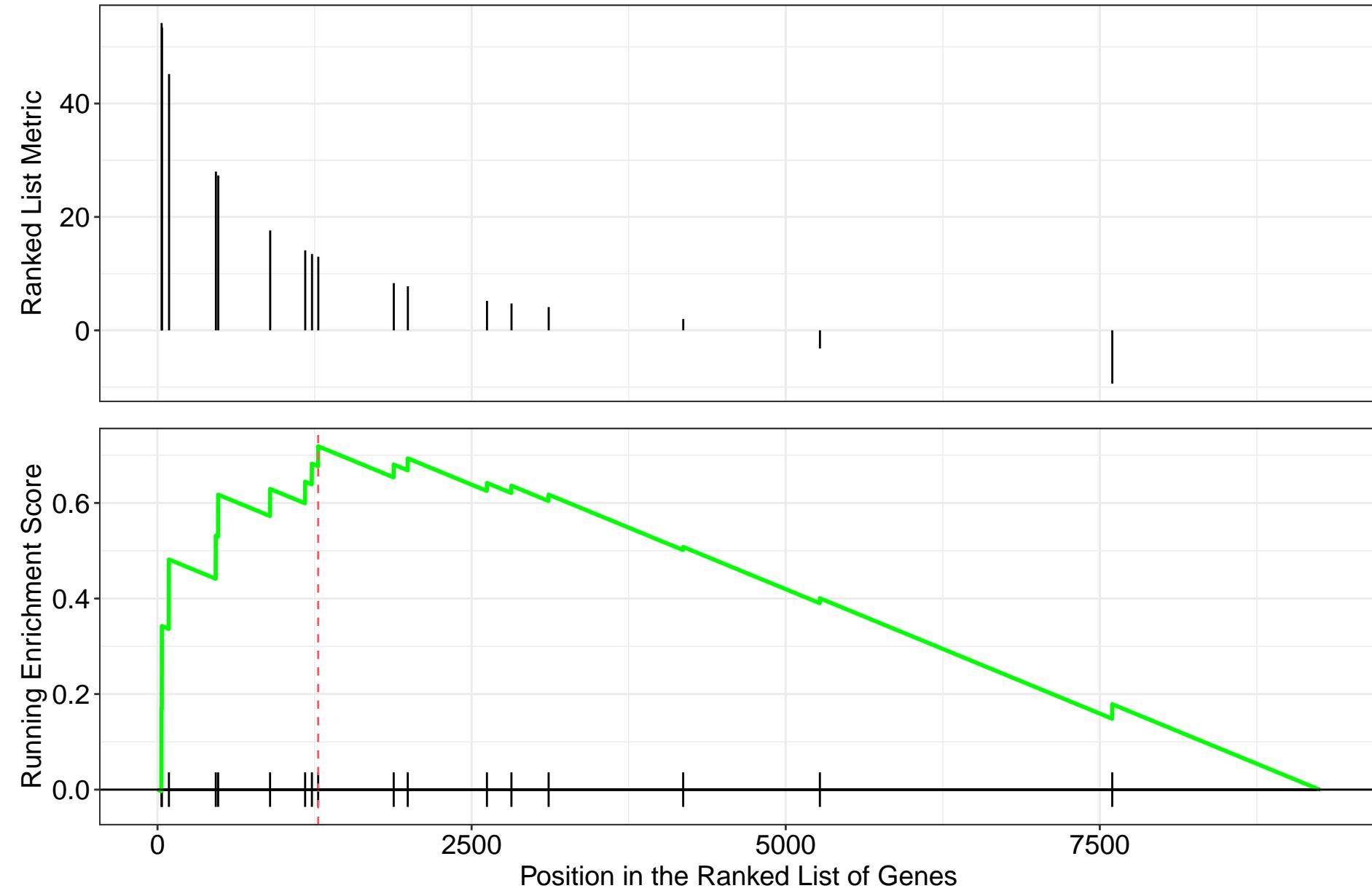
toll-like receptor 3 signaling pathway



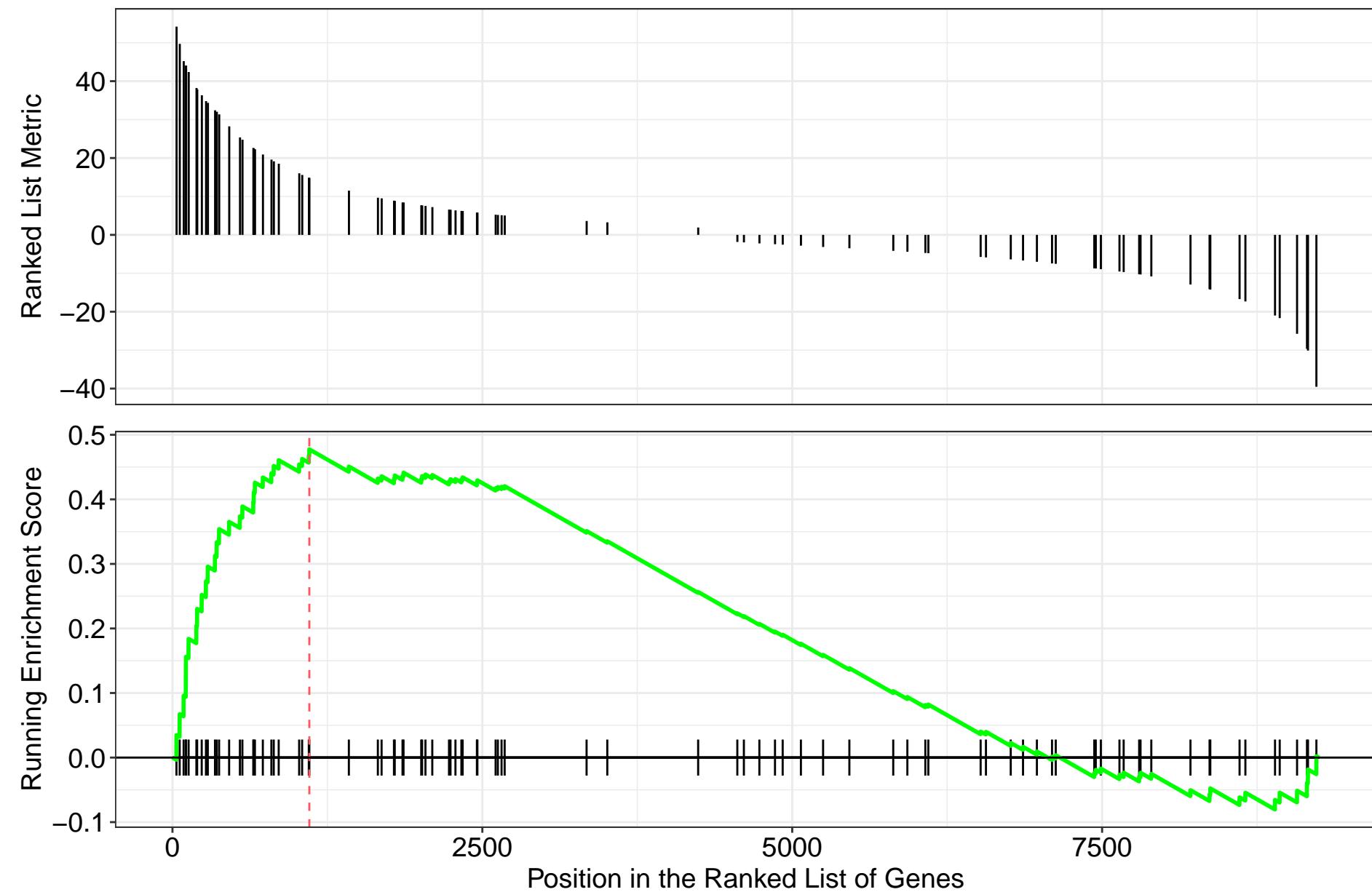
morphogenesis of a branching epithelium



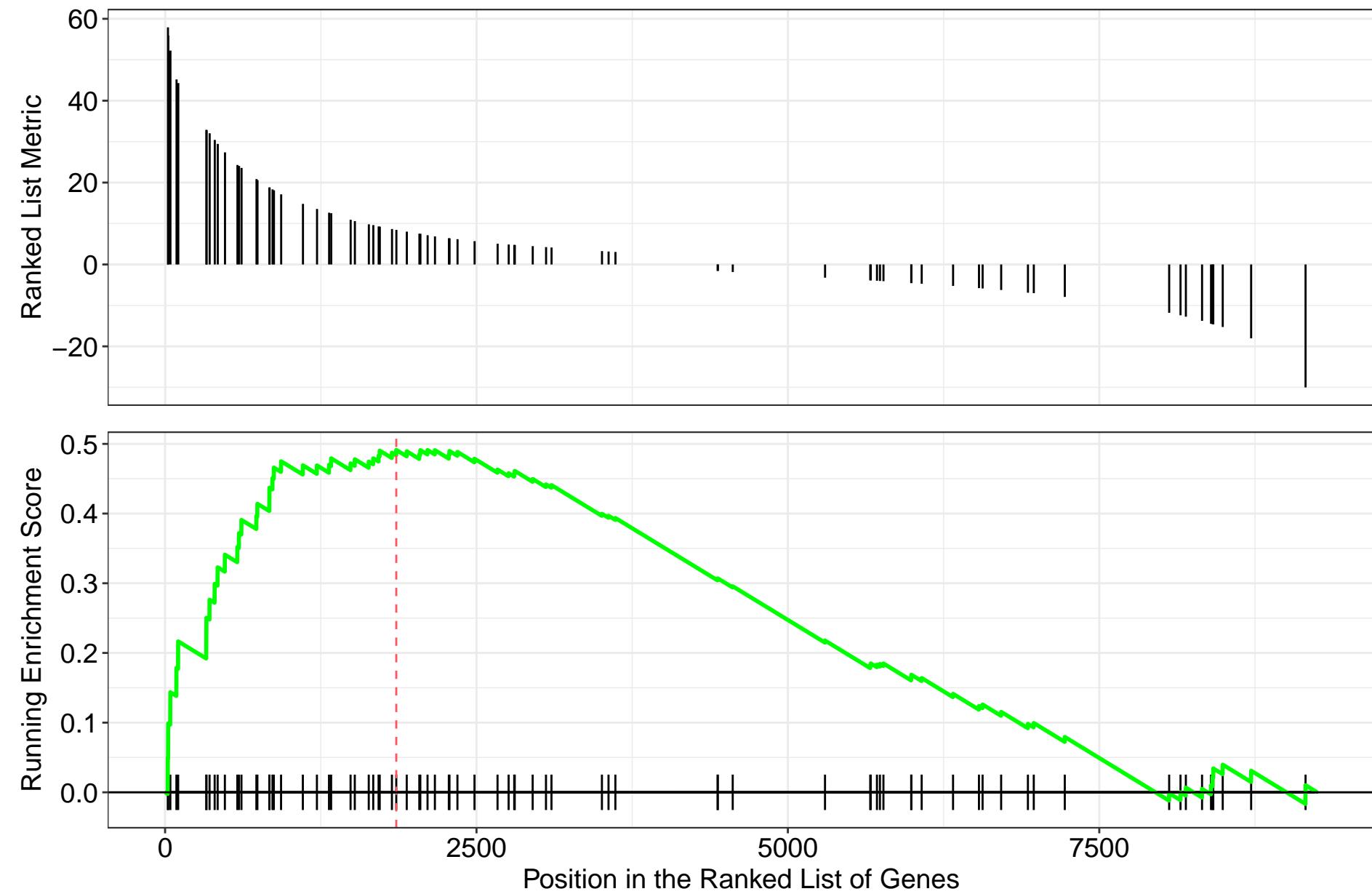
interleukin–1–mediated signaling pathway



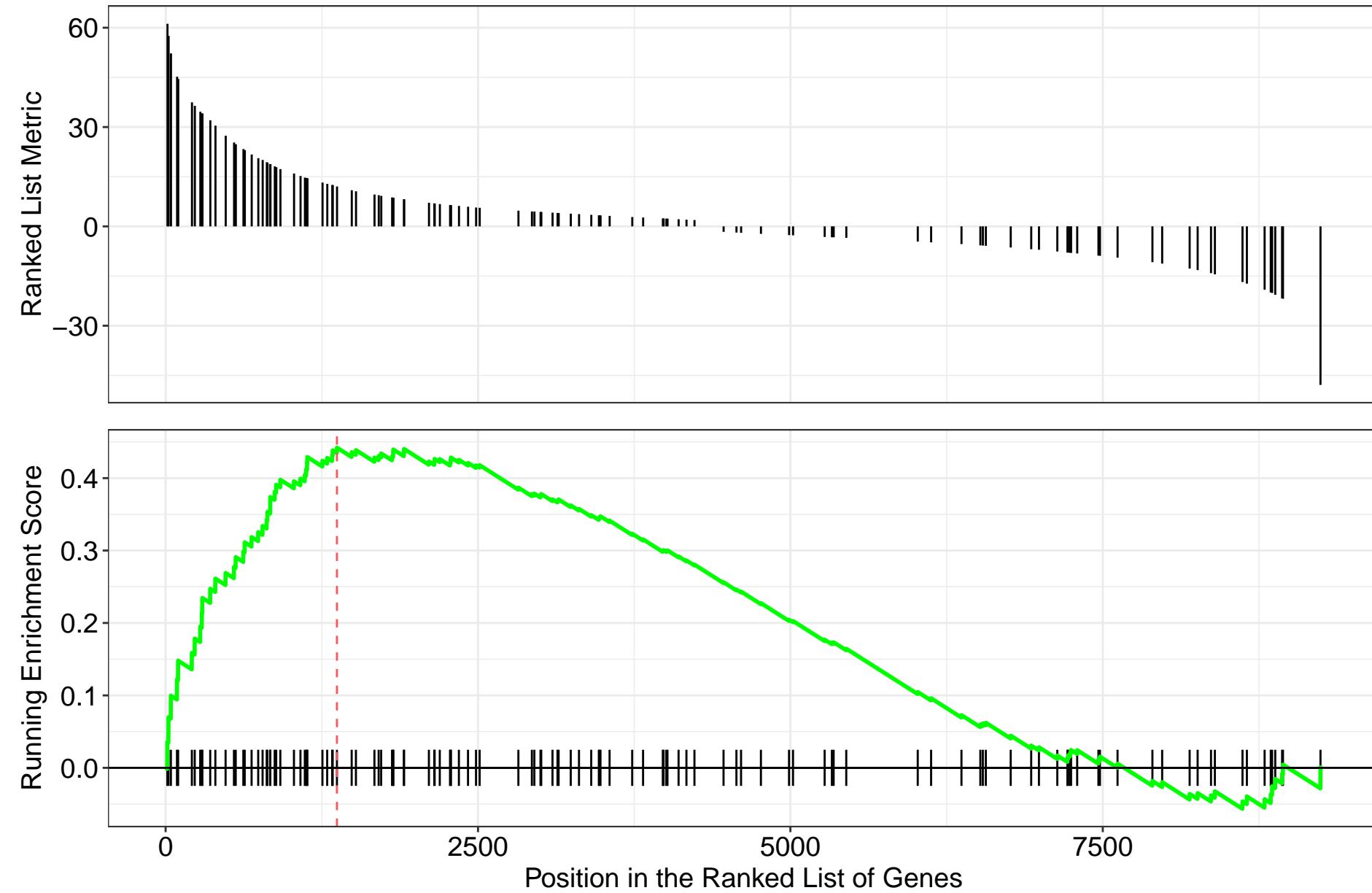
positive regulation of cytosolic calcium ion concentration



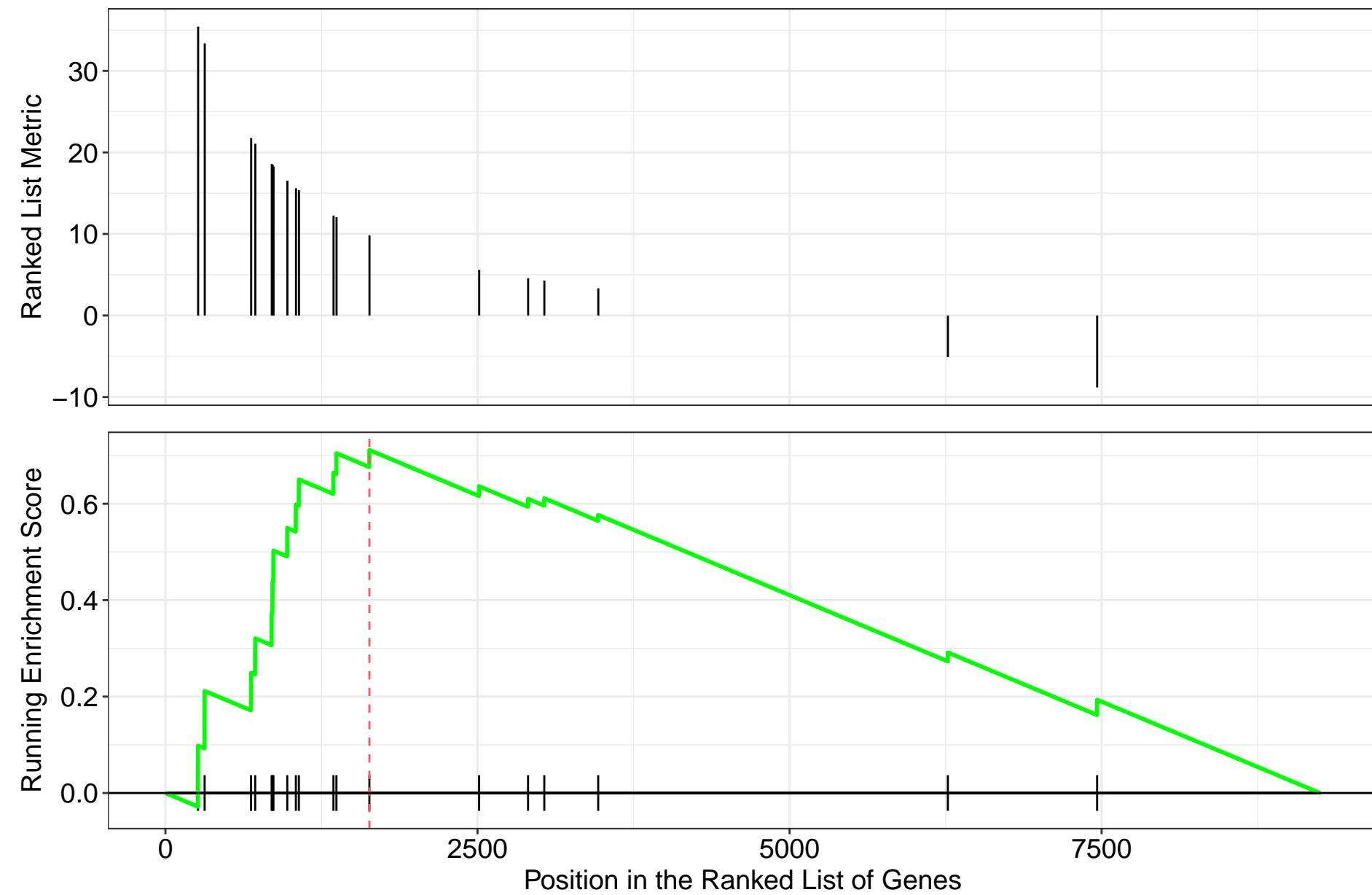
leukocyte apoptotic process



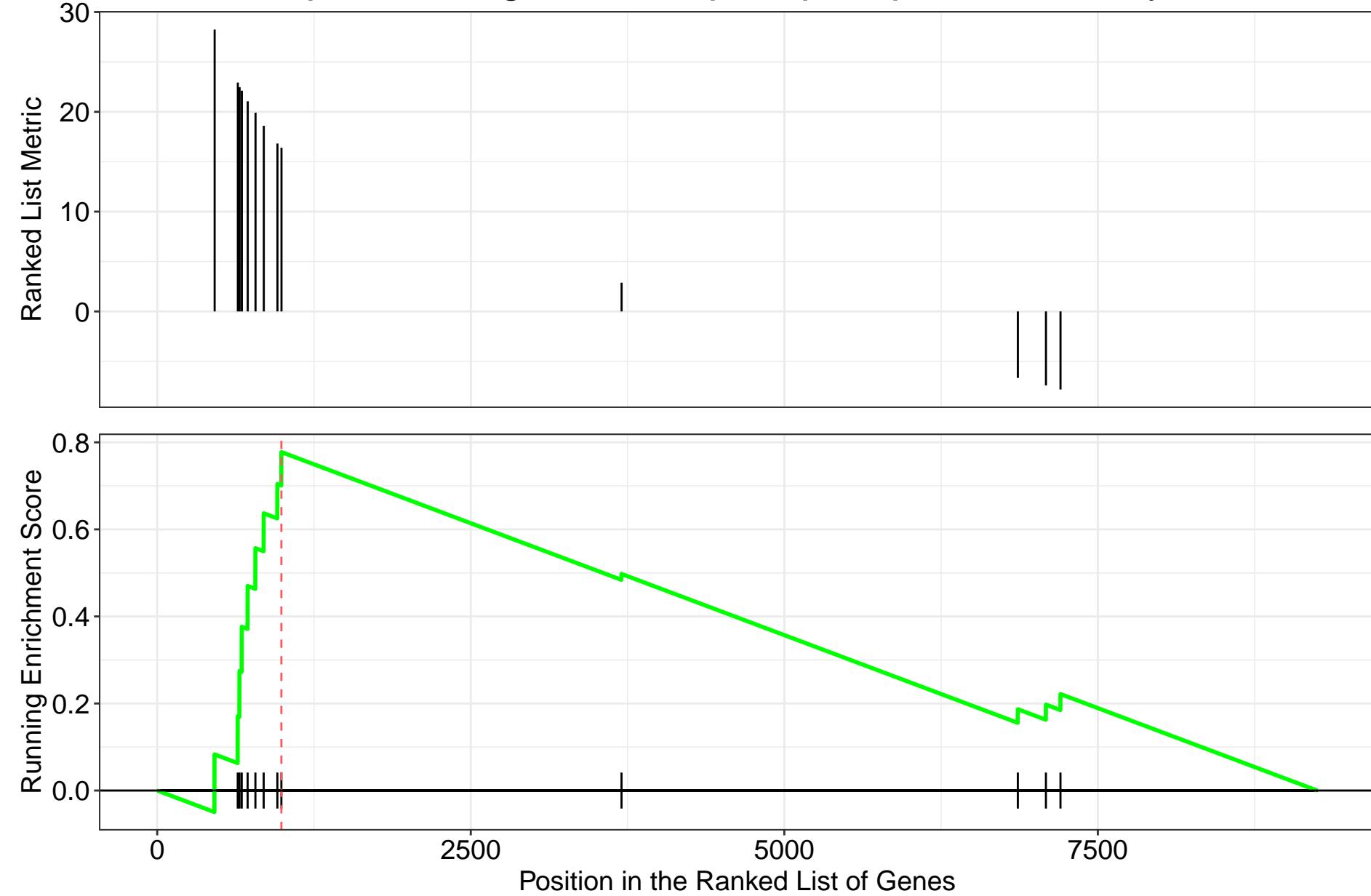
regulation of lymphocyte differentiation



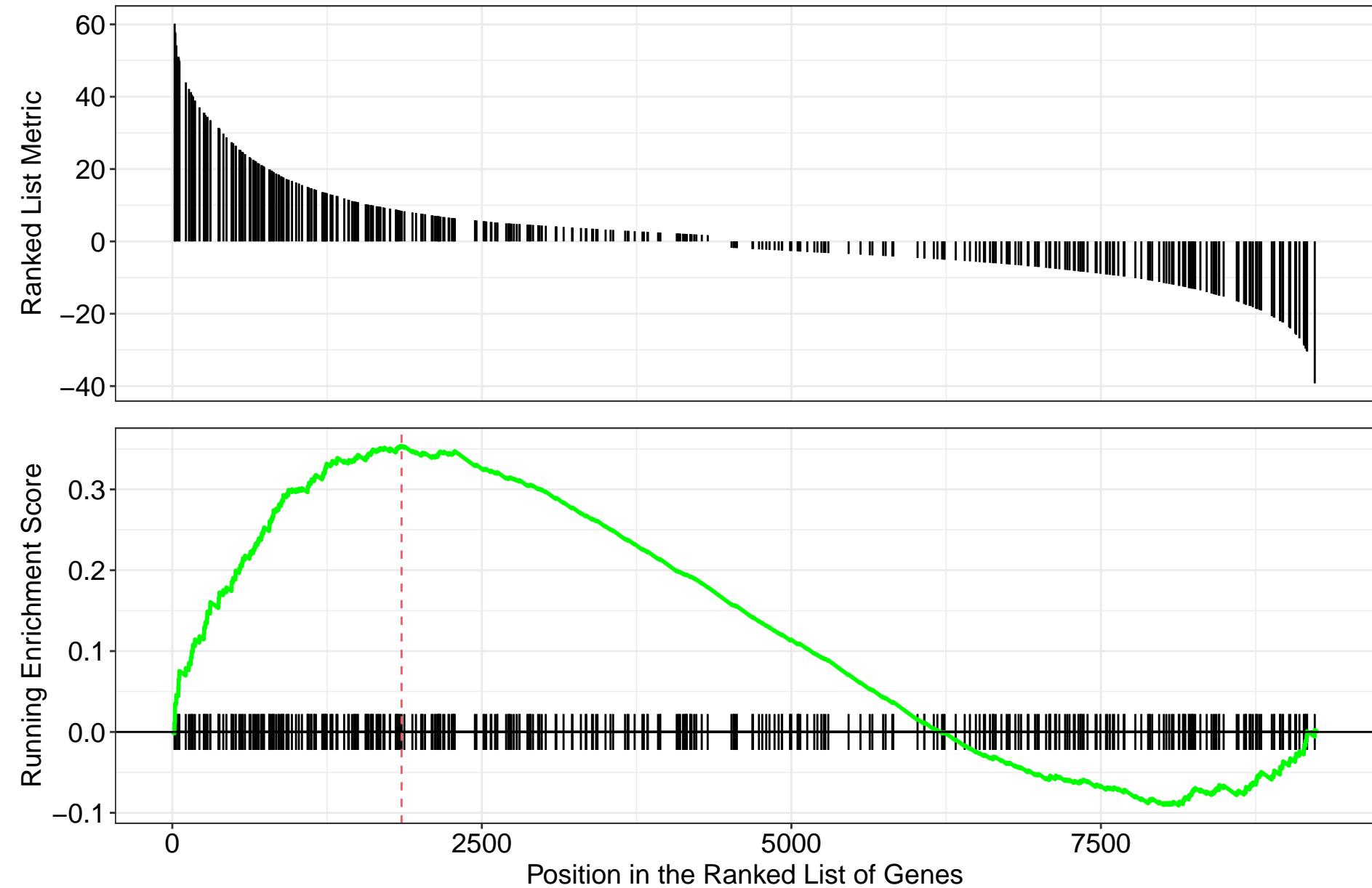
negative regulation of type I interferon-mediated signaling pathway



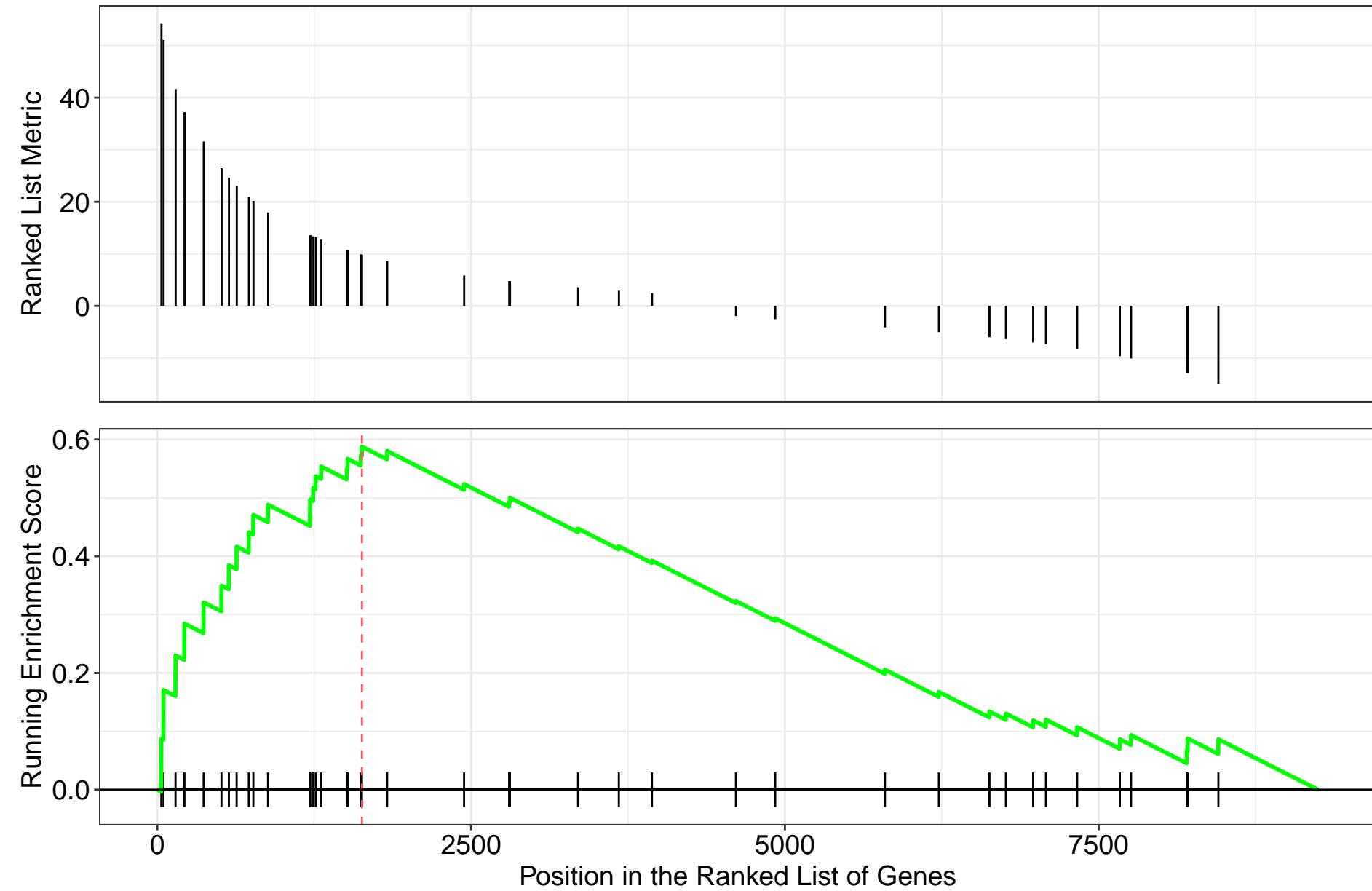
positive regulation of phospholipase C activity



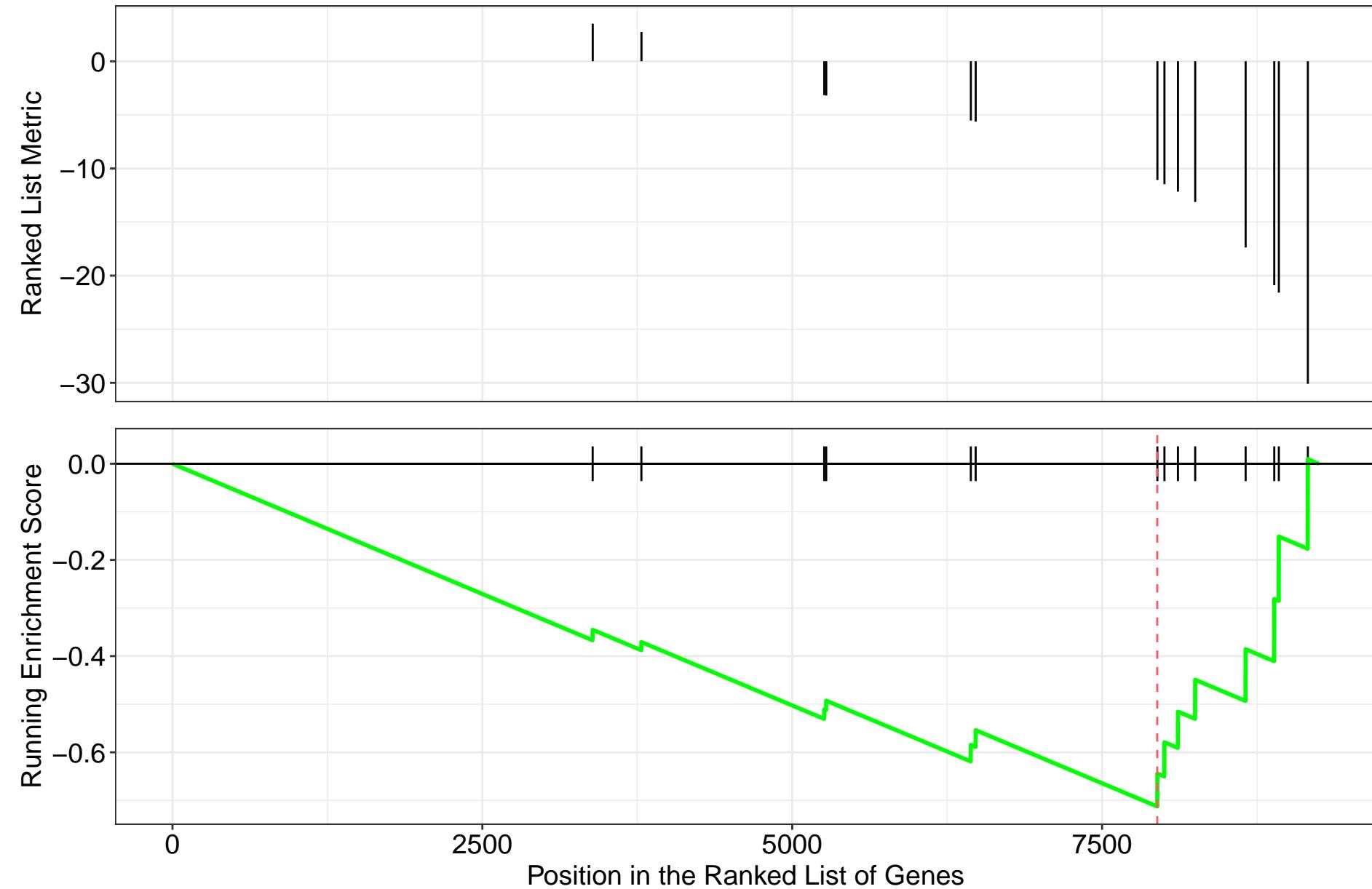
blood vessel development



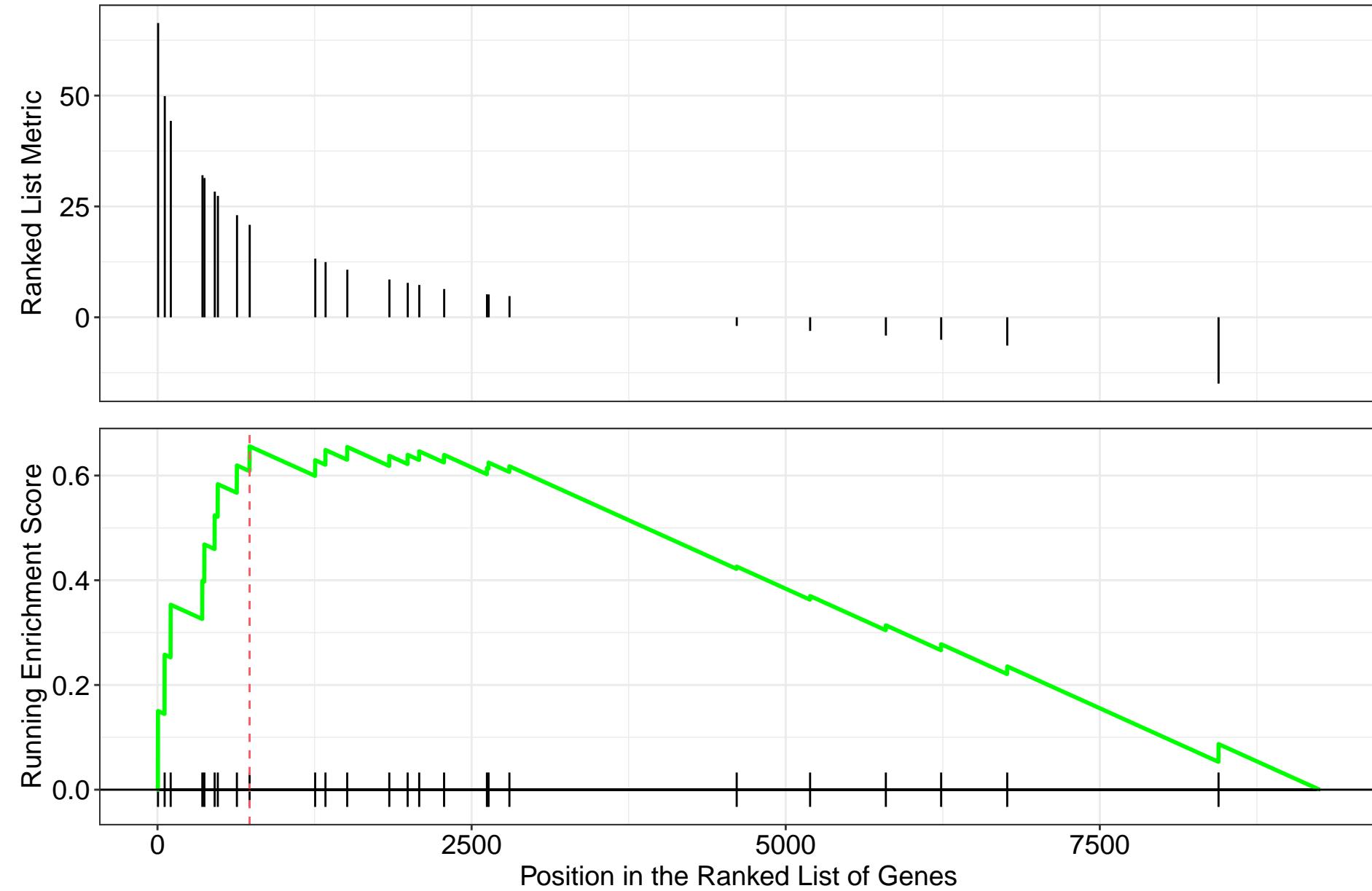
neuroinflammatory response



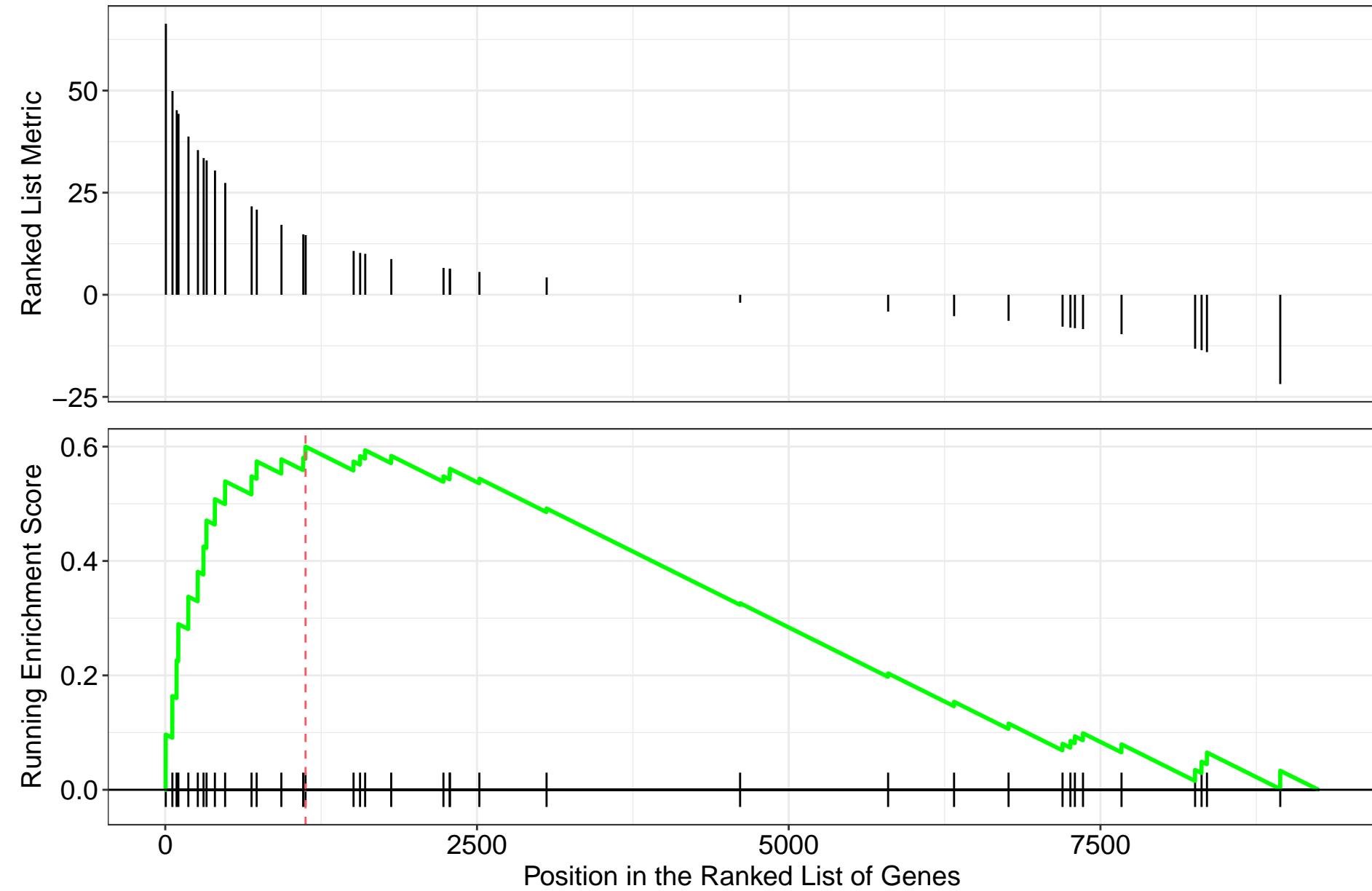
meiotic spindle organization



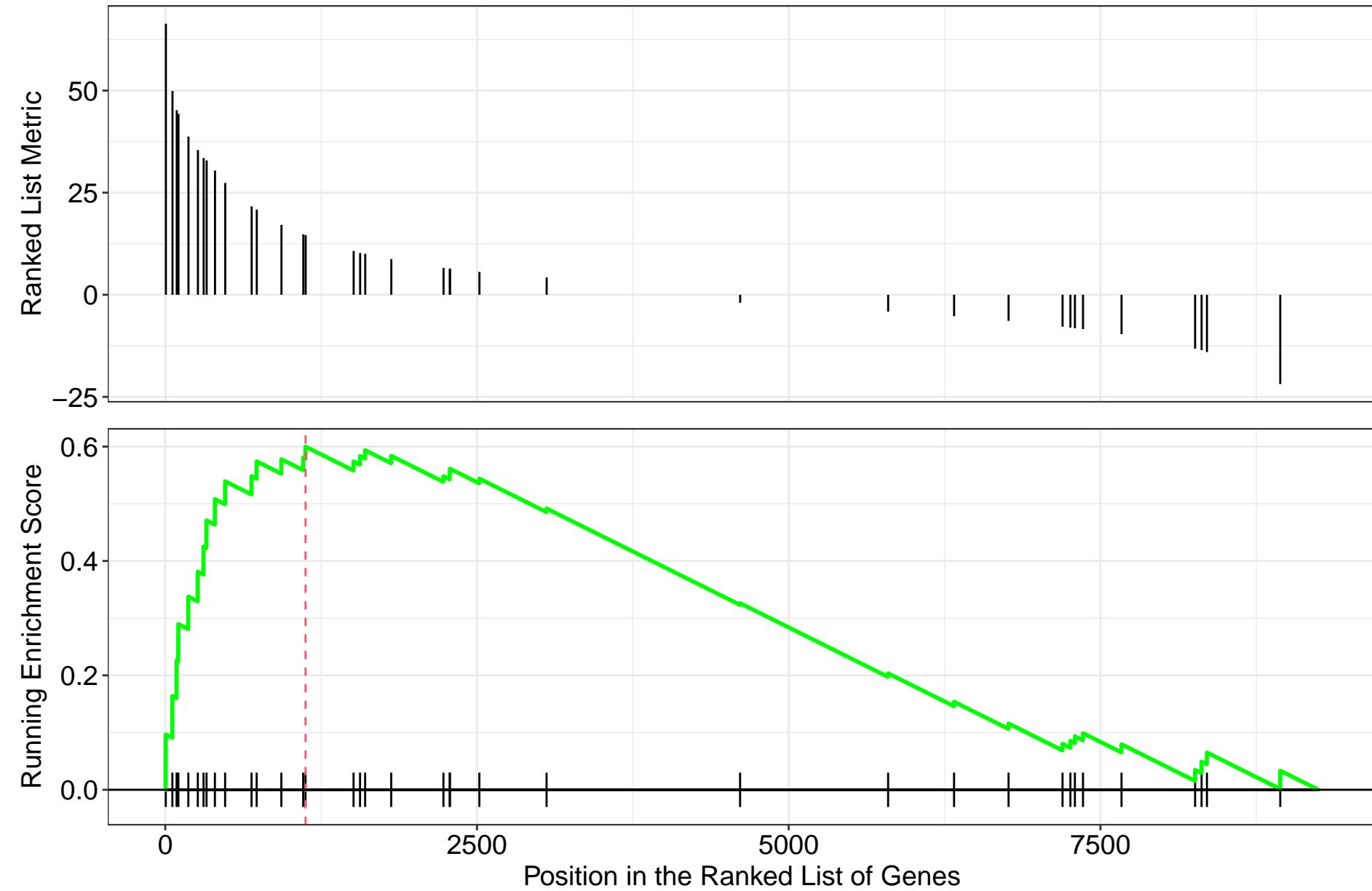
positive regulation of interleukin–12 production



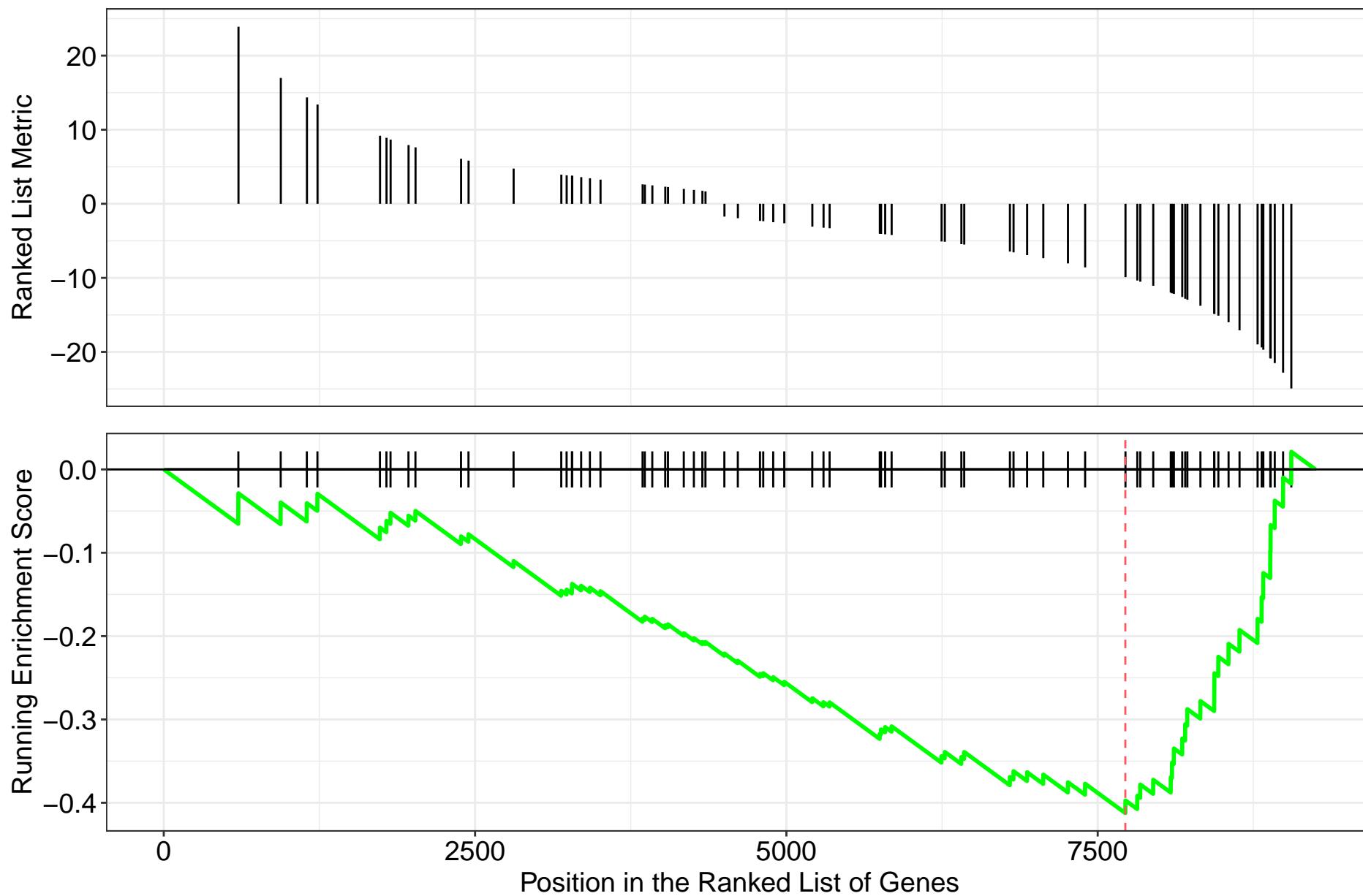
interleukin–10 production



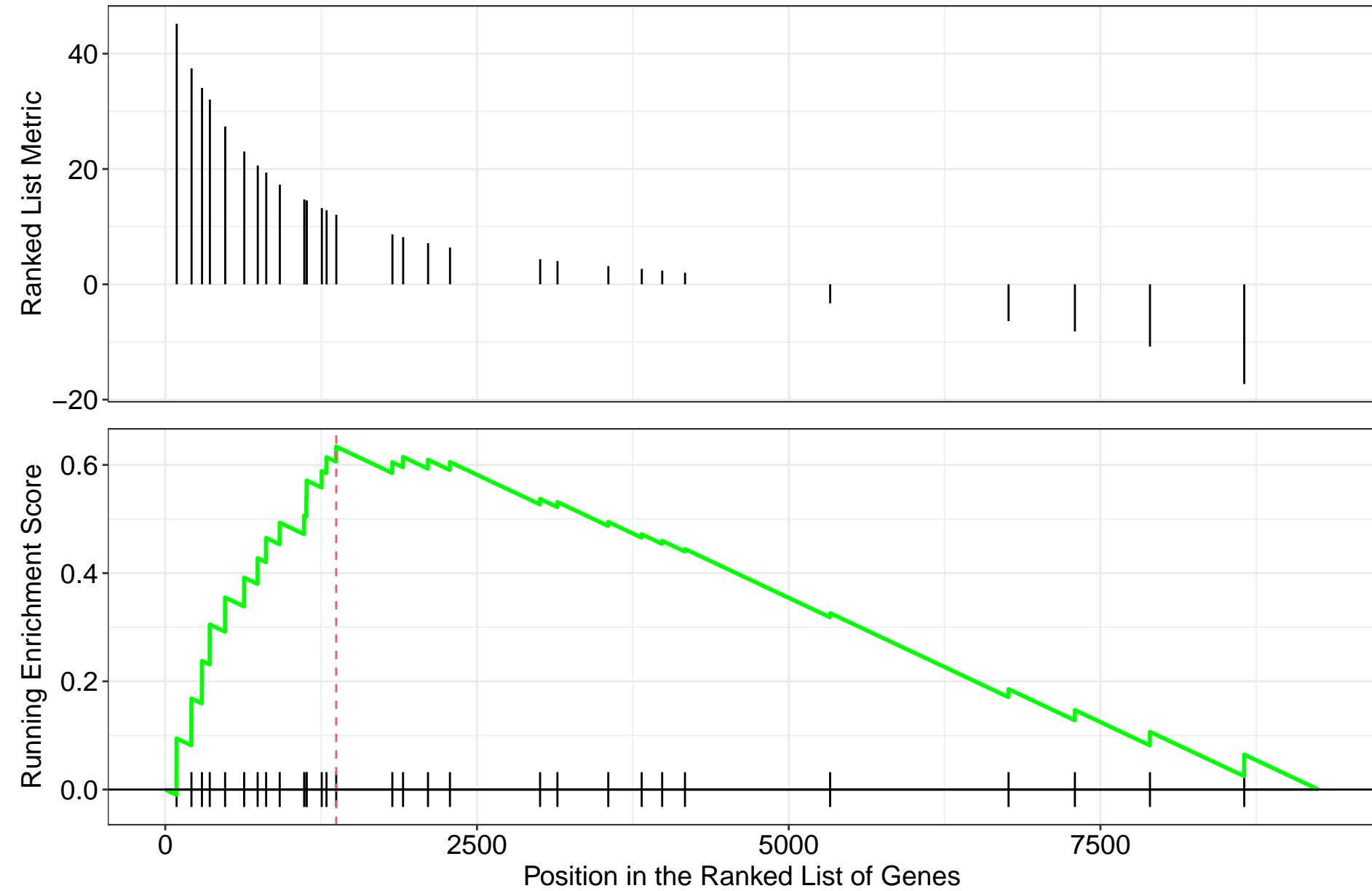
regulation of interleukin-10 production



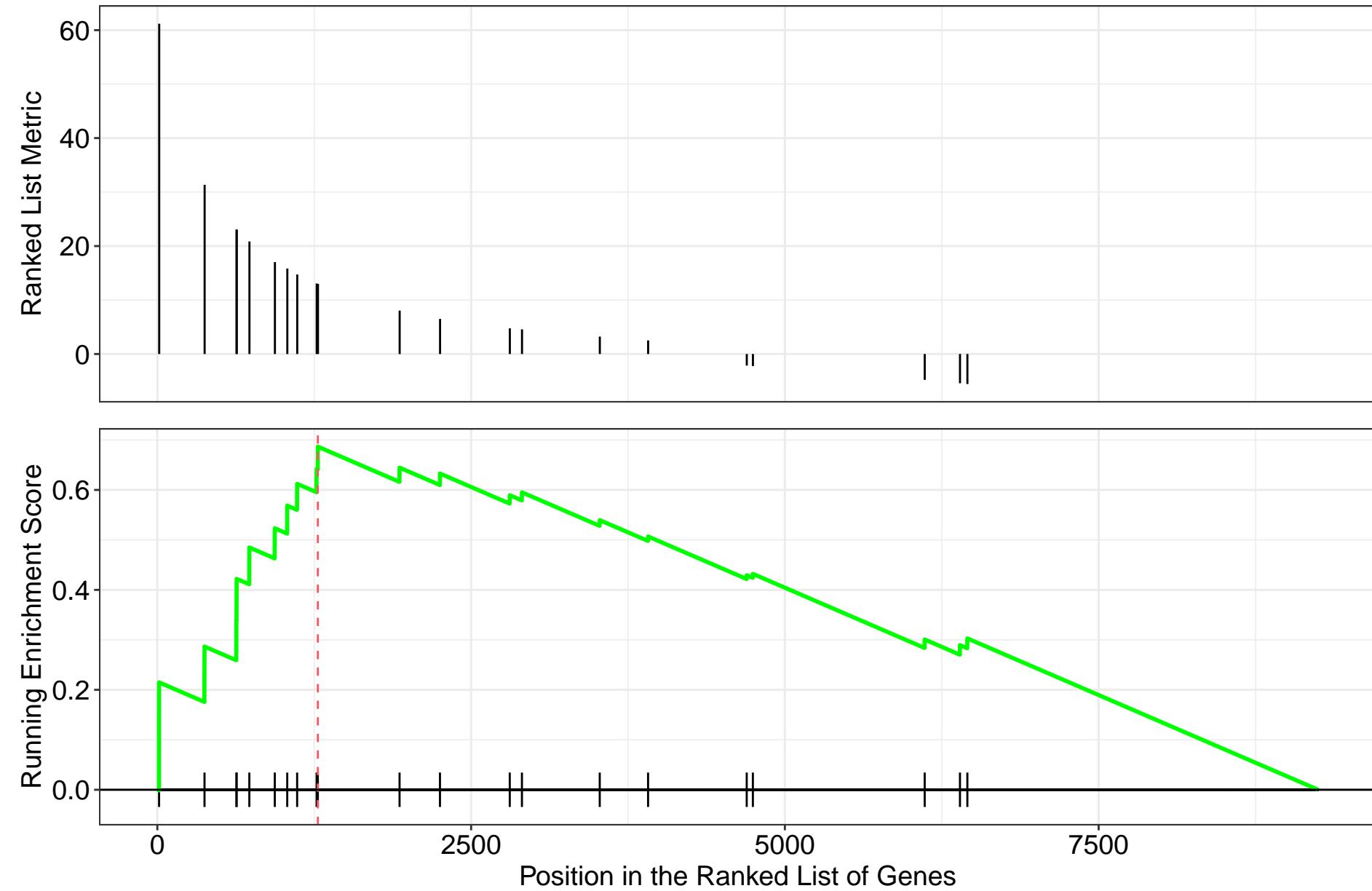
positive regulation of cell cycle phase transition



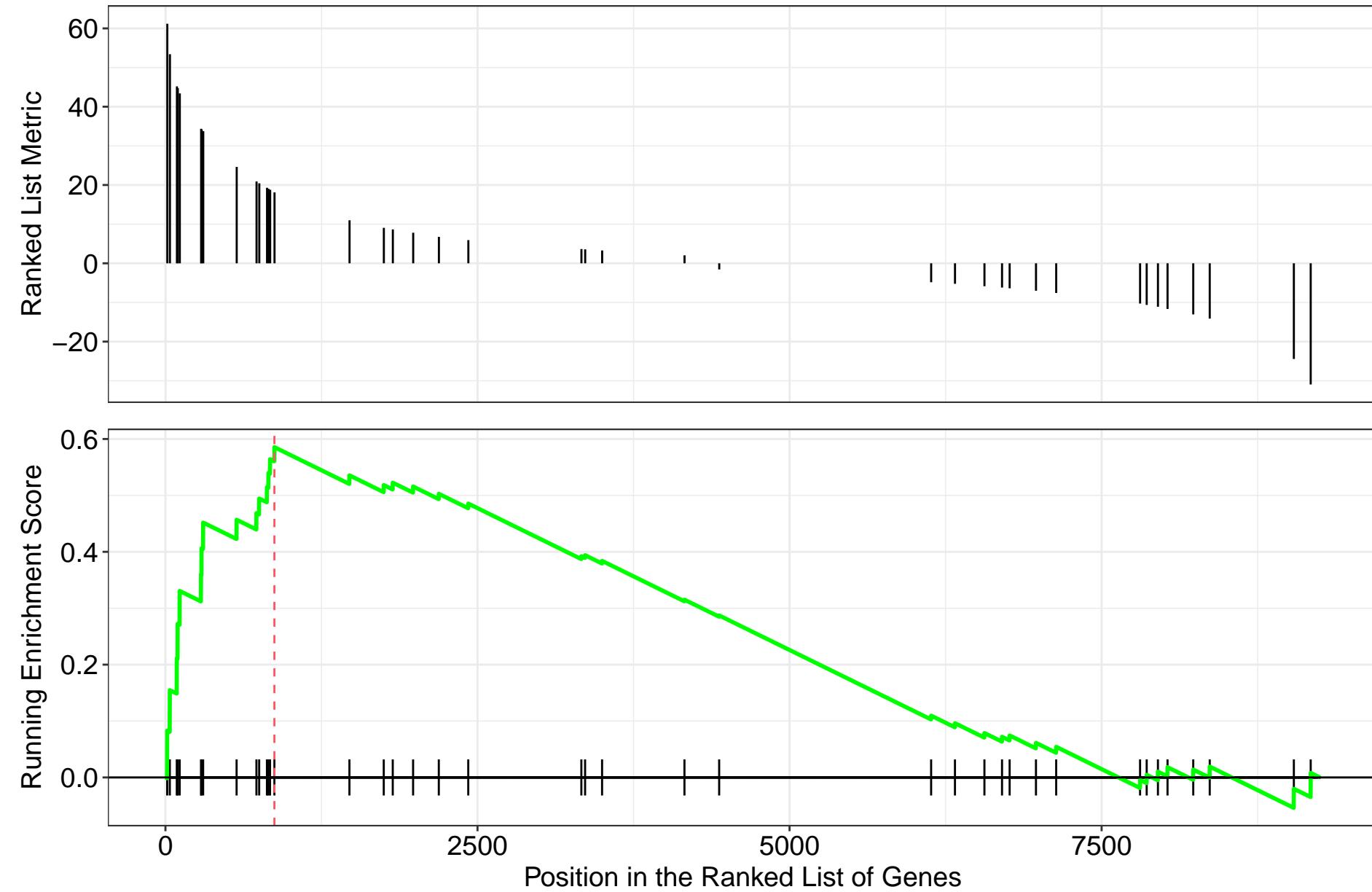
regulation of CD4-positive, alpha-beta T cell differentiation



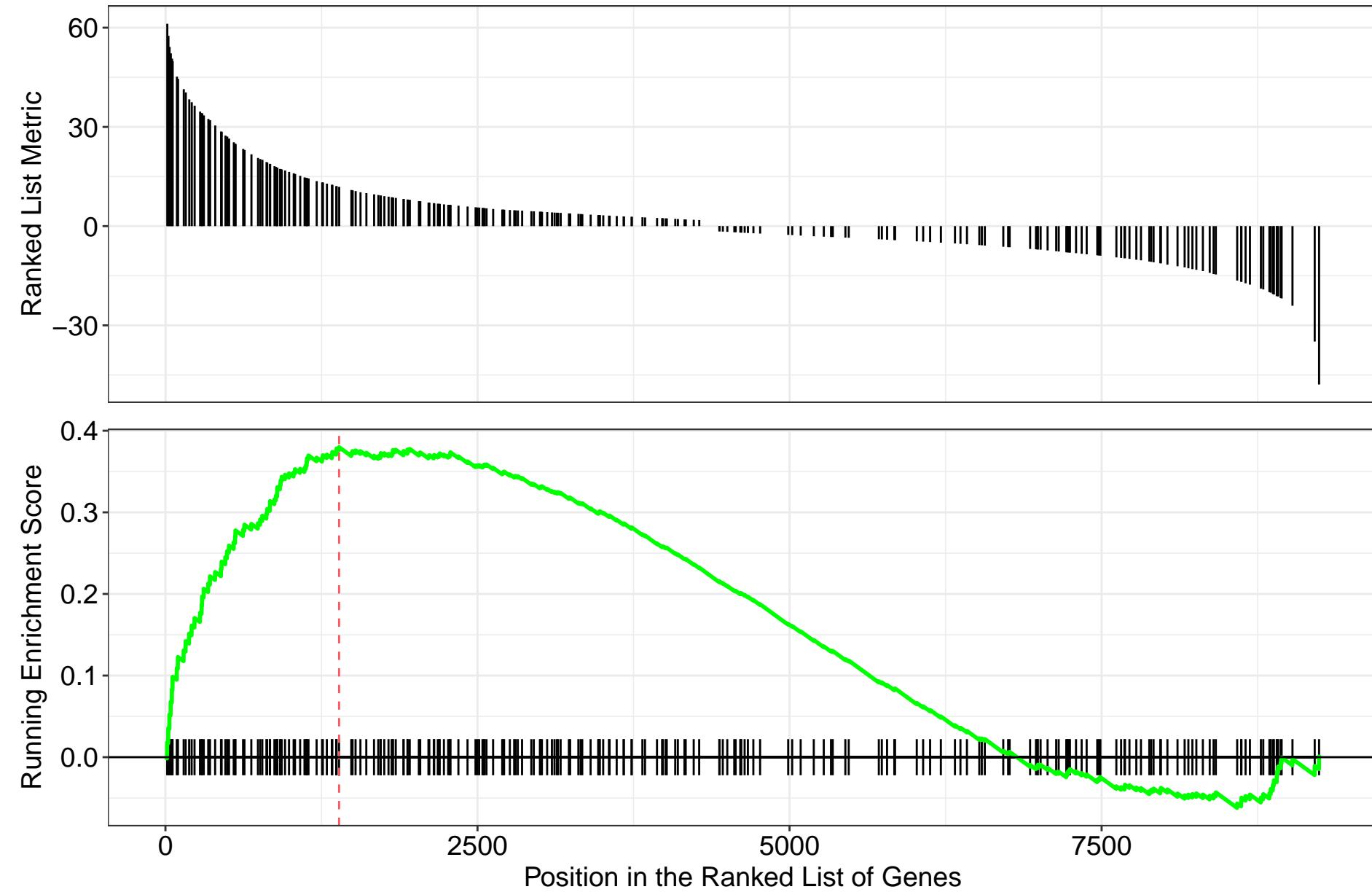
response to exogenous dsRNA



response to glucocorticoid

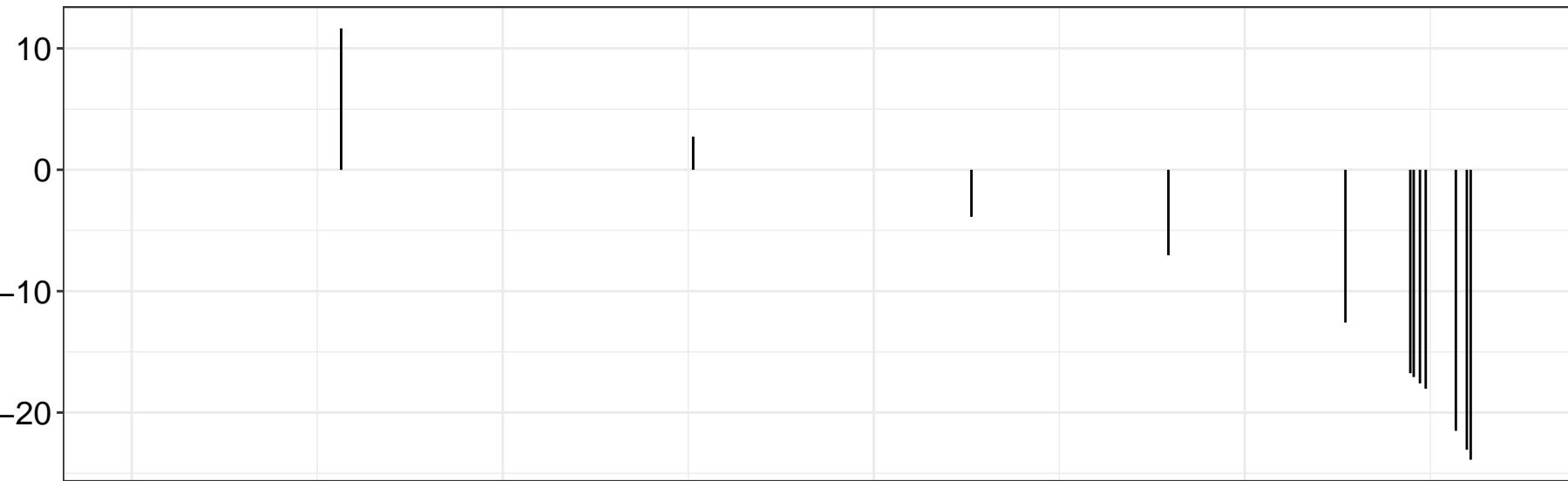


lymphocyte differentiation



spindle elongation

Ranked List Metric



Running Enrichment Score

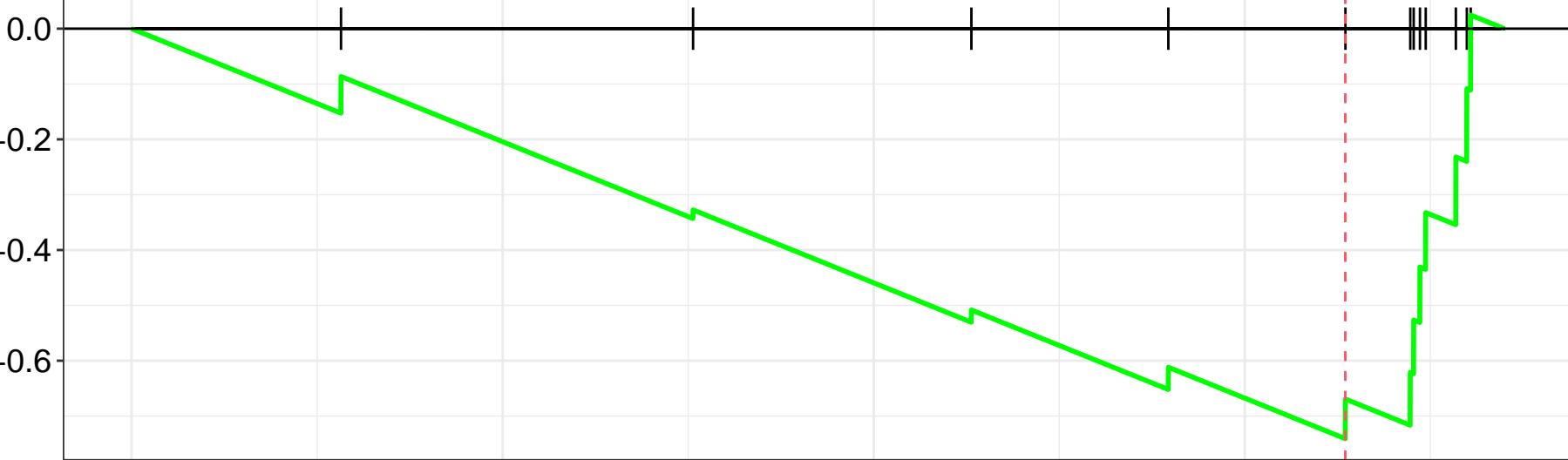
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2500

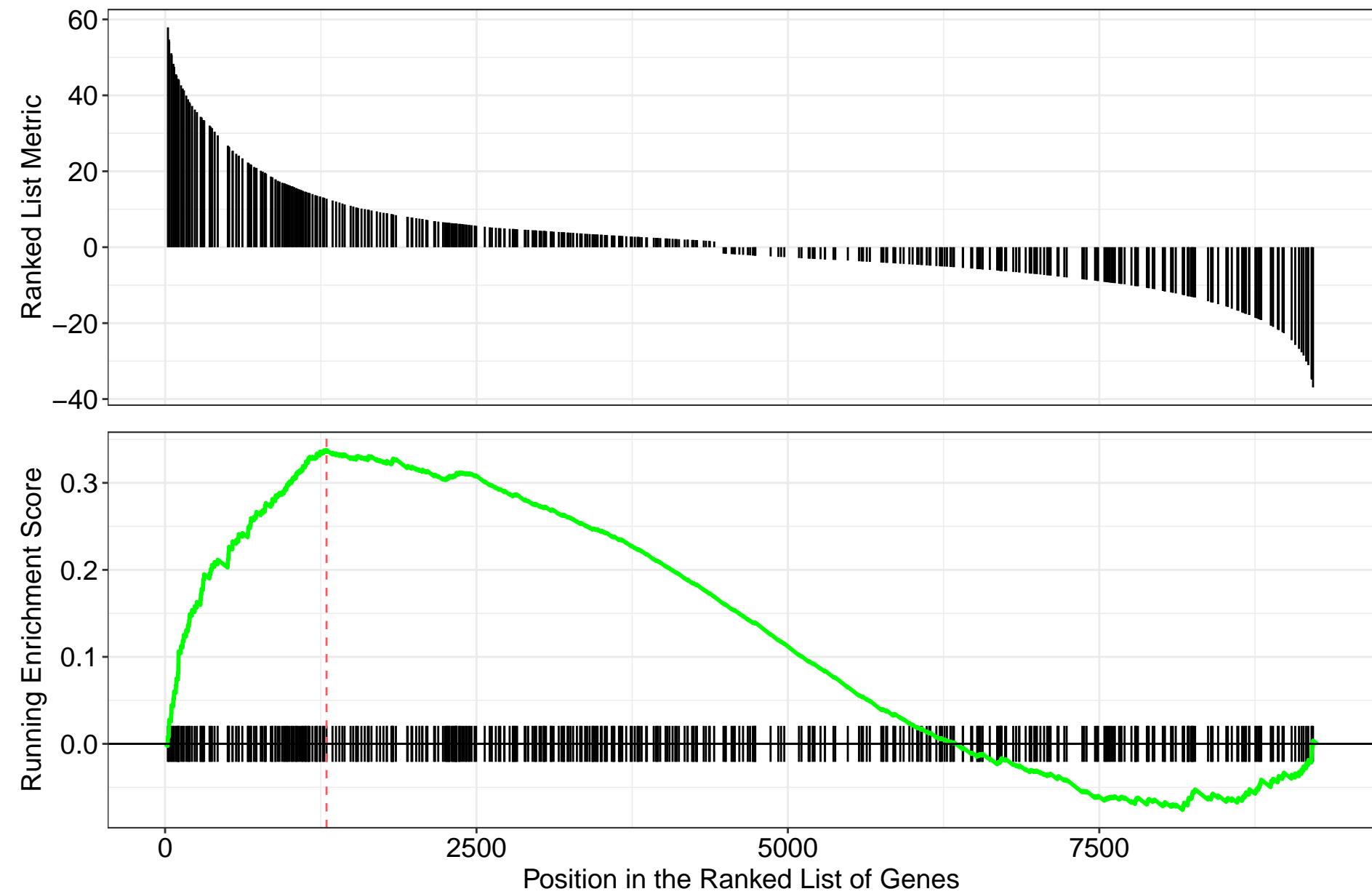
5000

7500

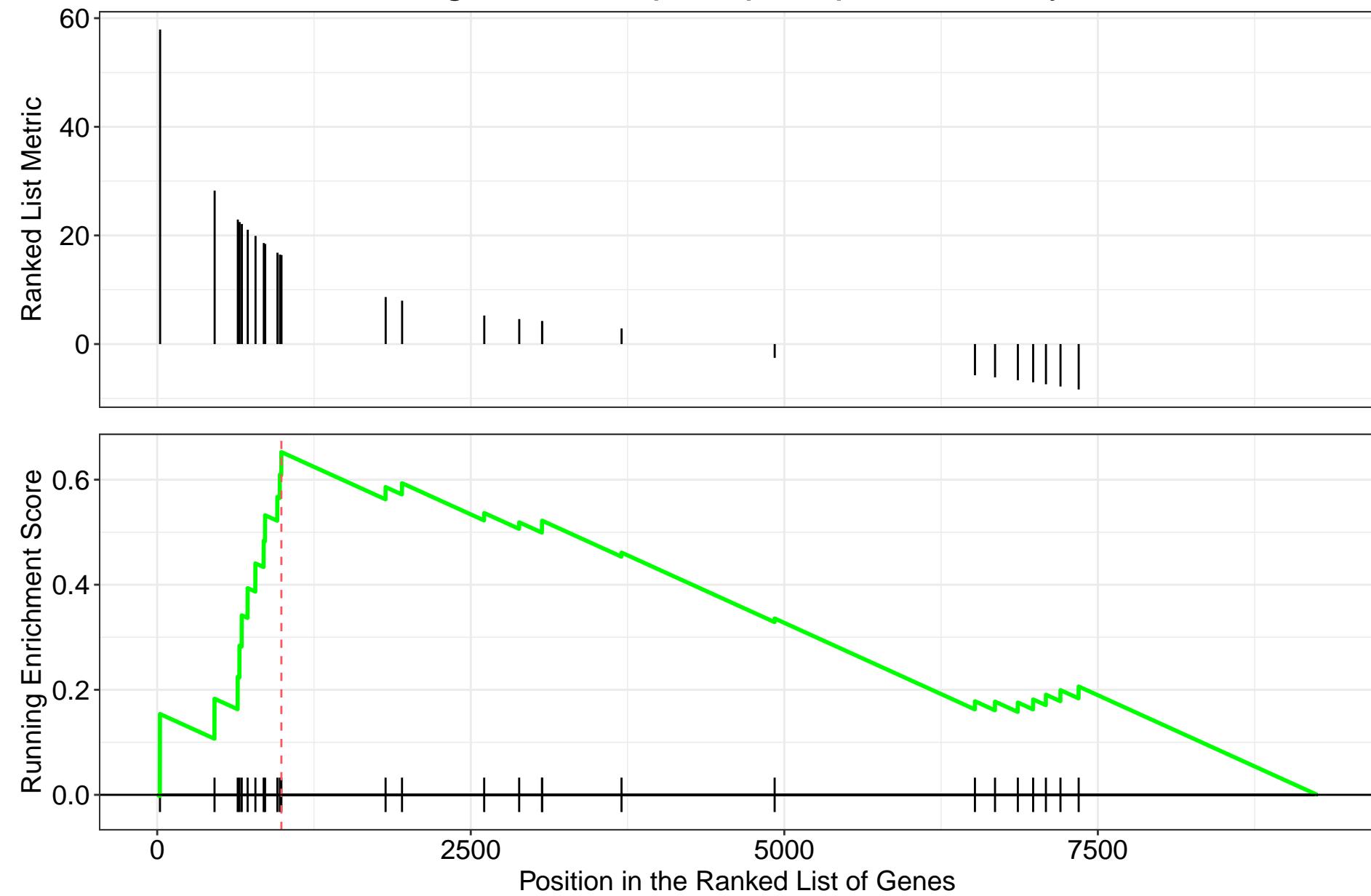
Position in the Ranked List of Genes



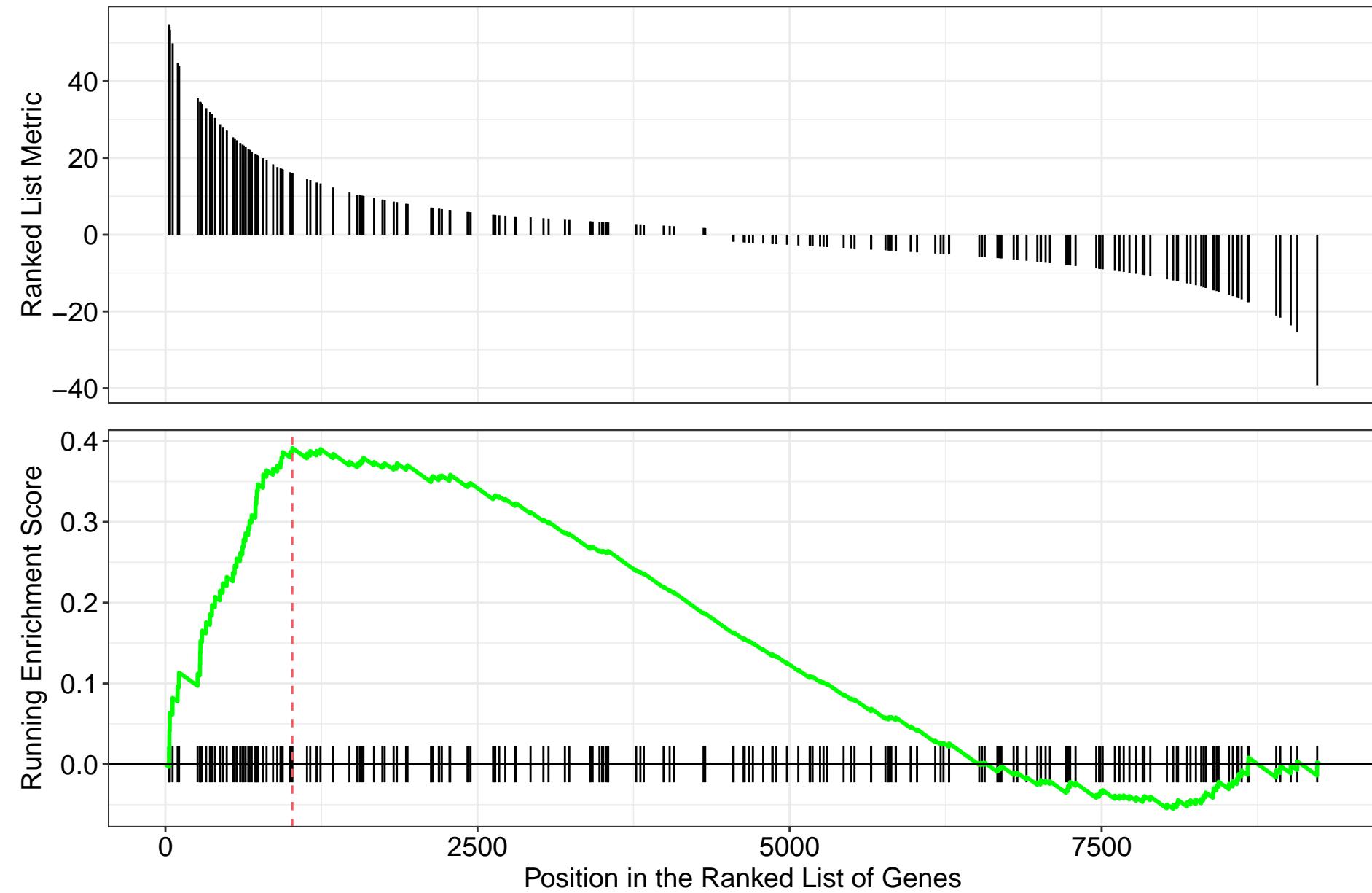
positive regulation of transport



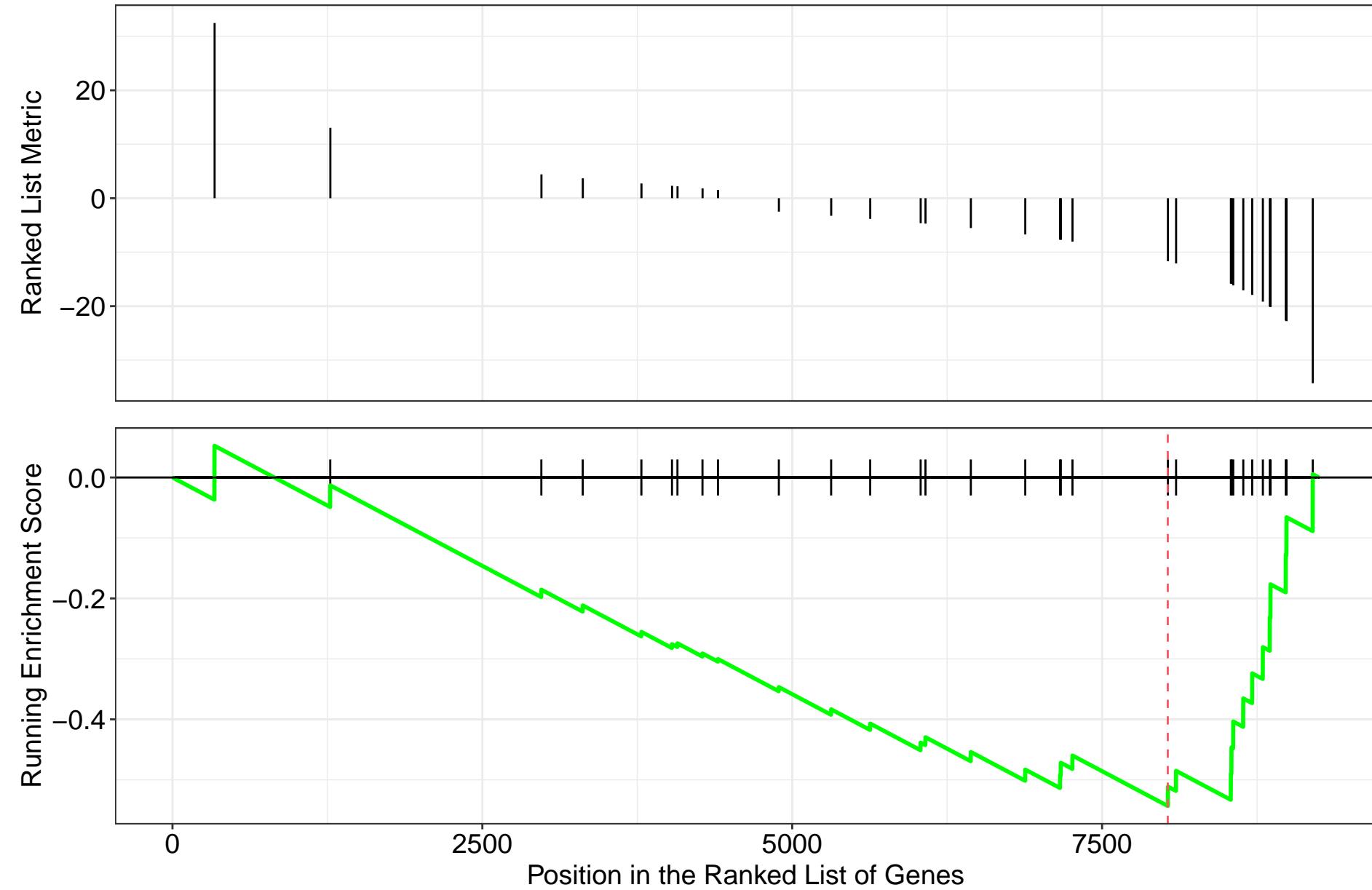
regulation of phospholipase activity



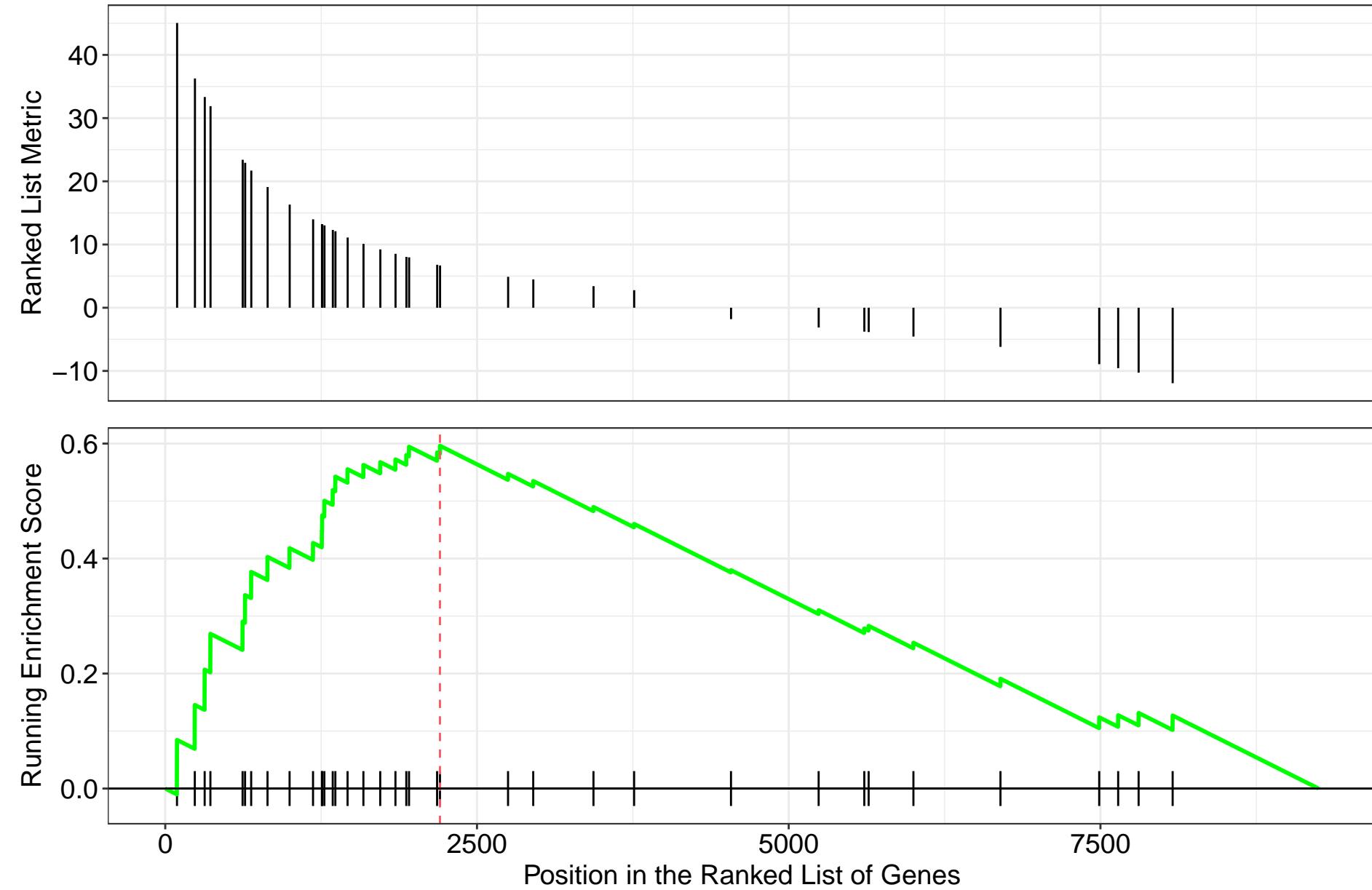
positive regulation of protein kinase activity



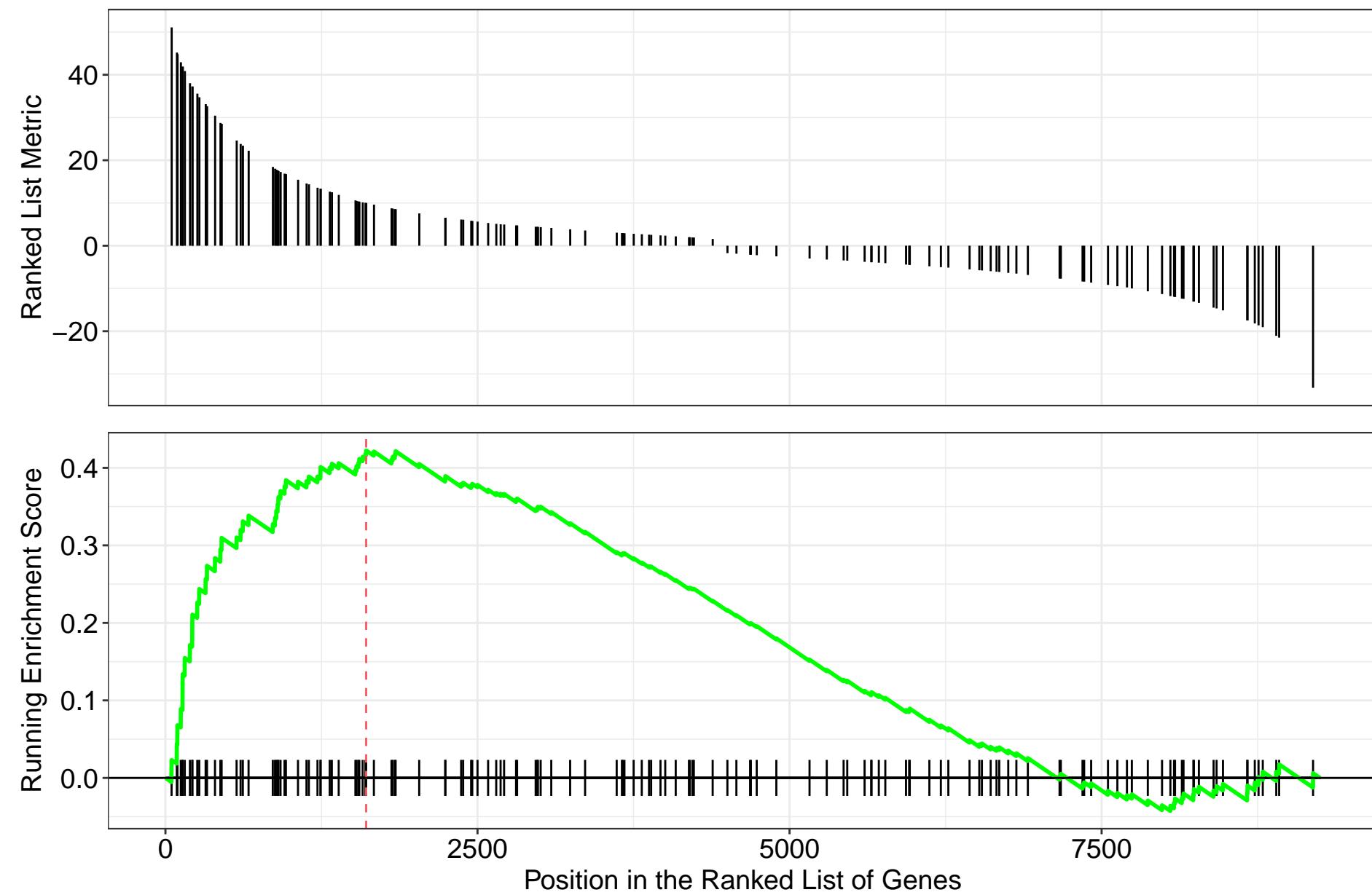
sister chromatid cohesion



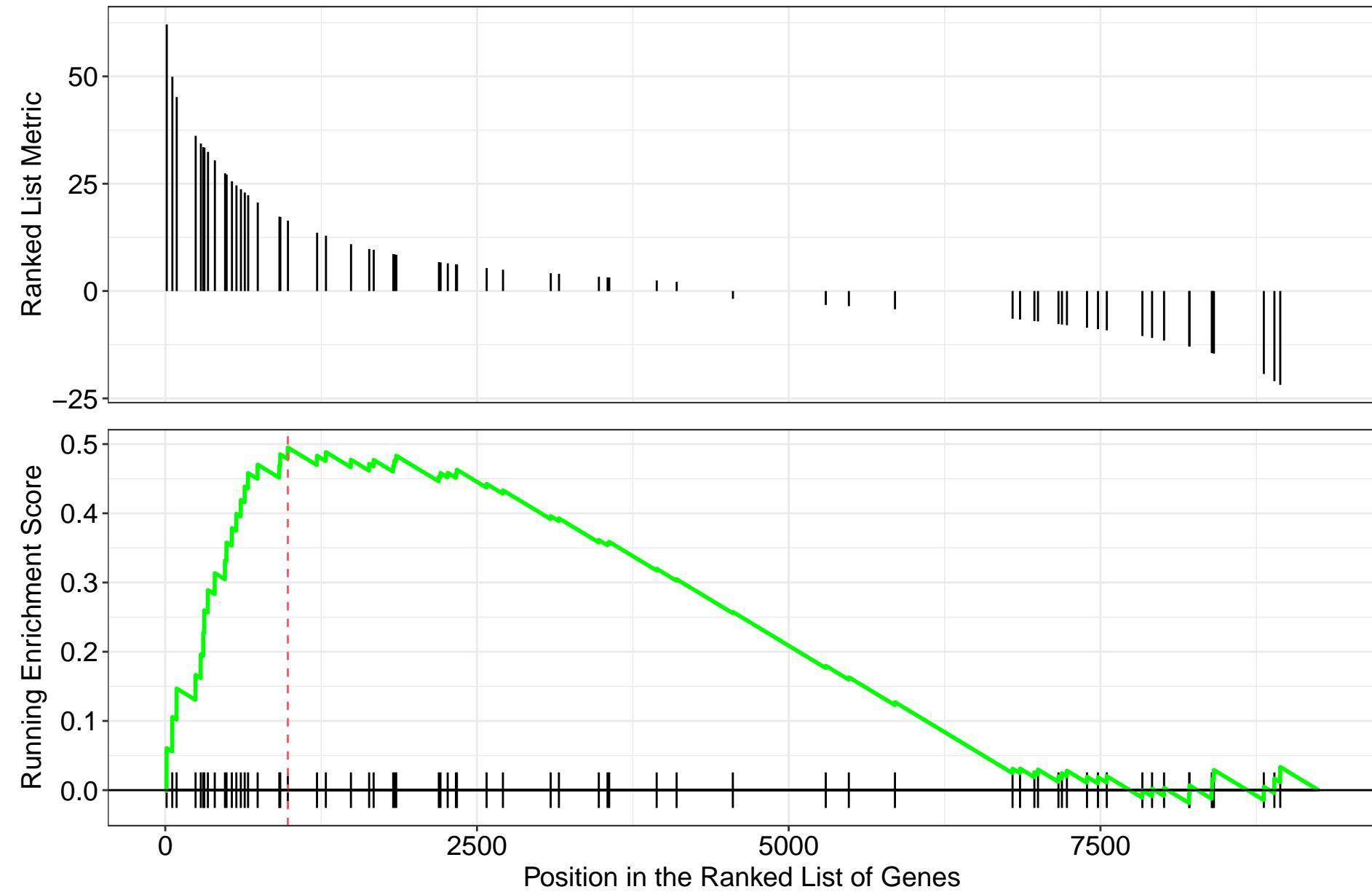
regulation of viral entry into host cell



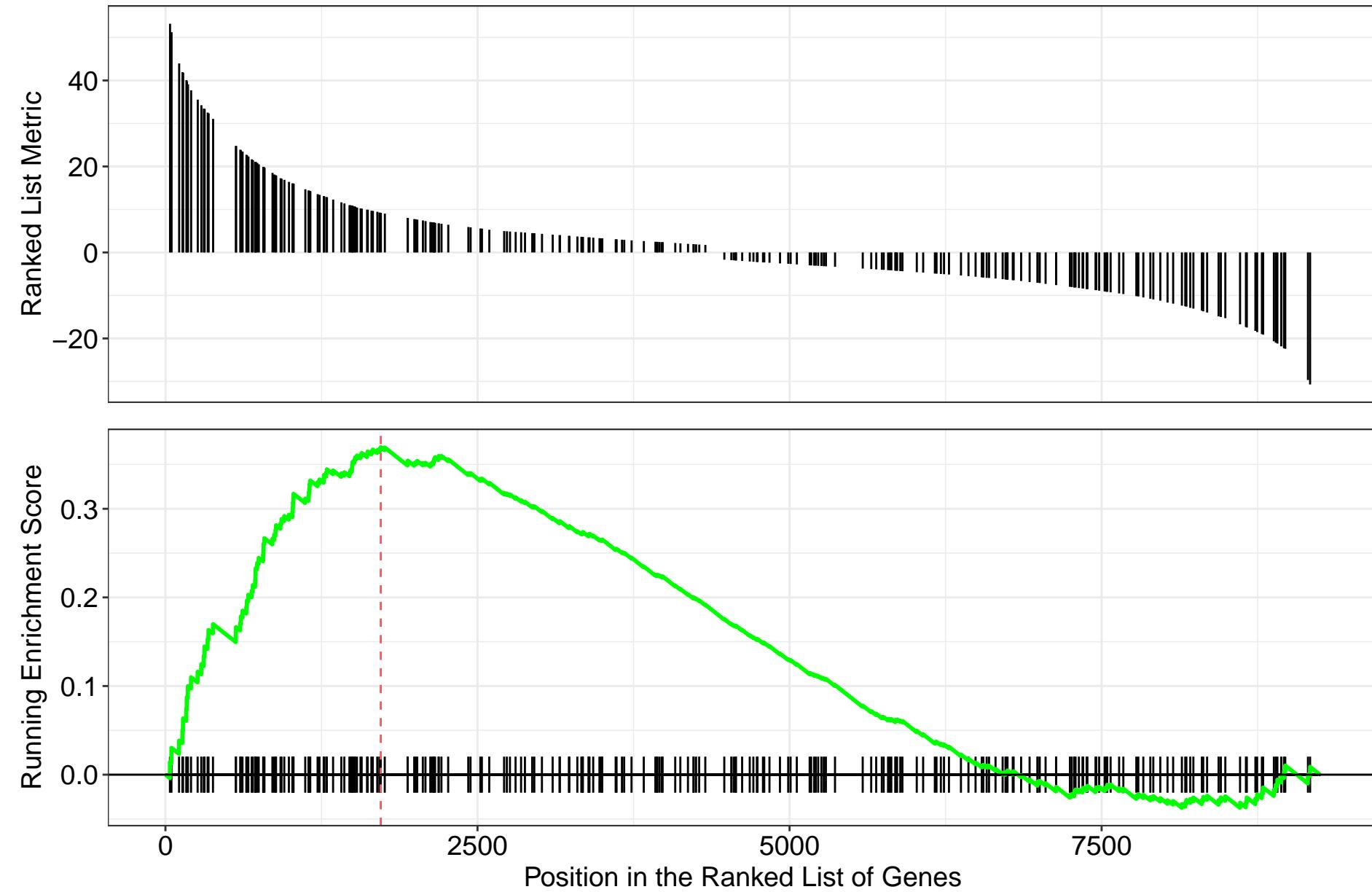
negative regulation of hydrolase activity



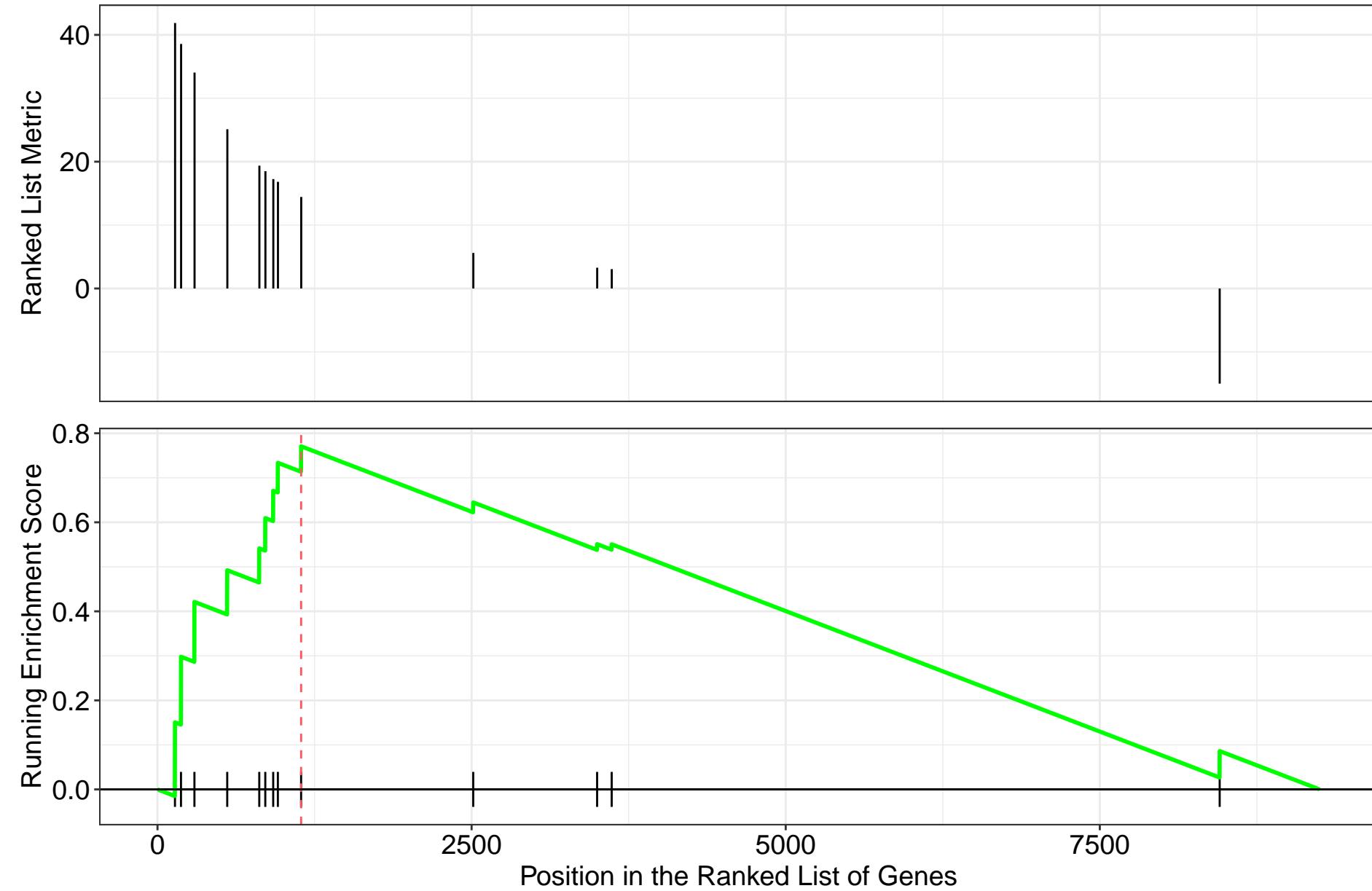
positive regulation of protein kinase B signaling



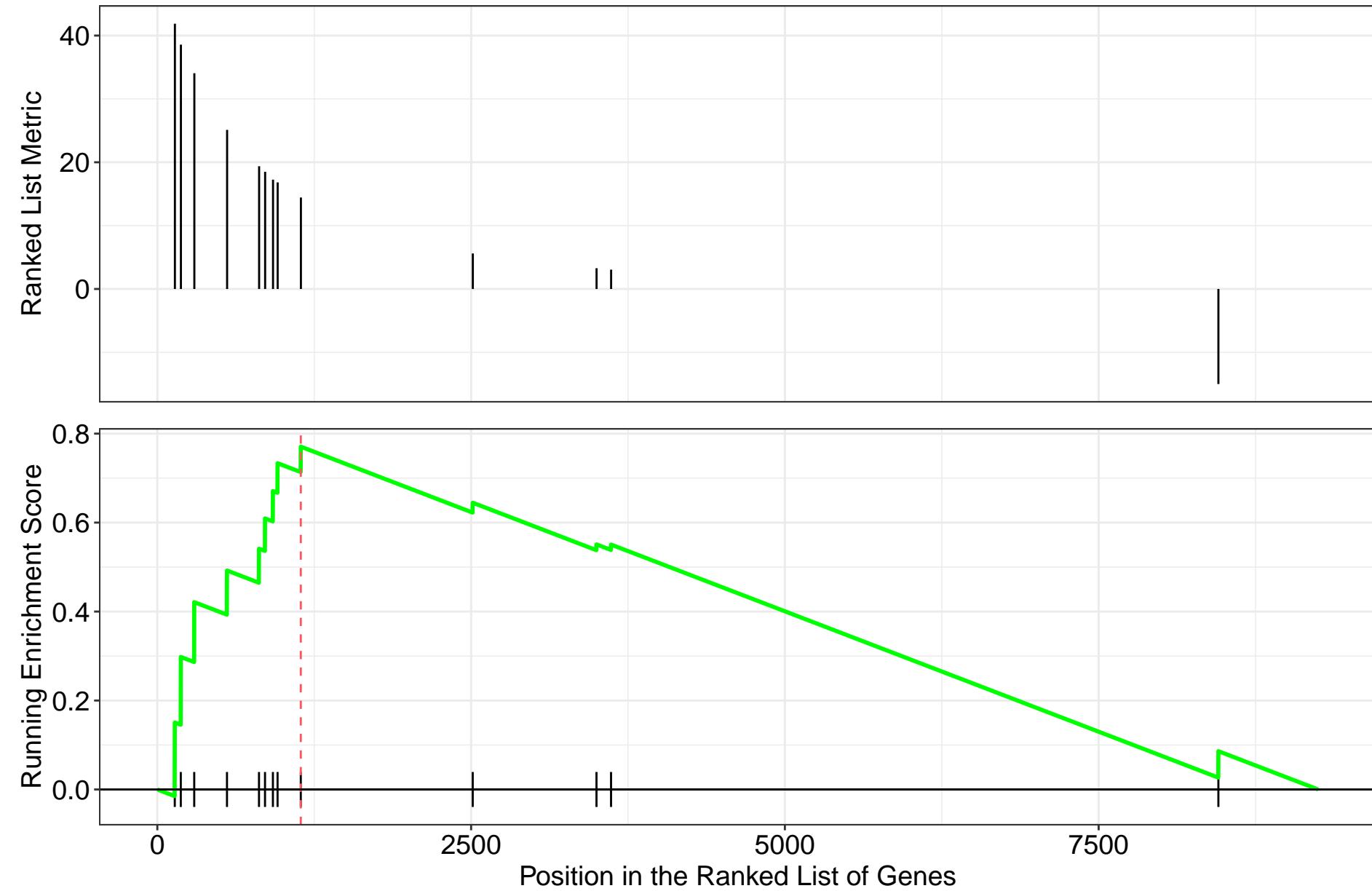
heart development



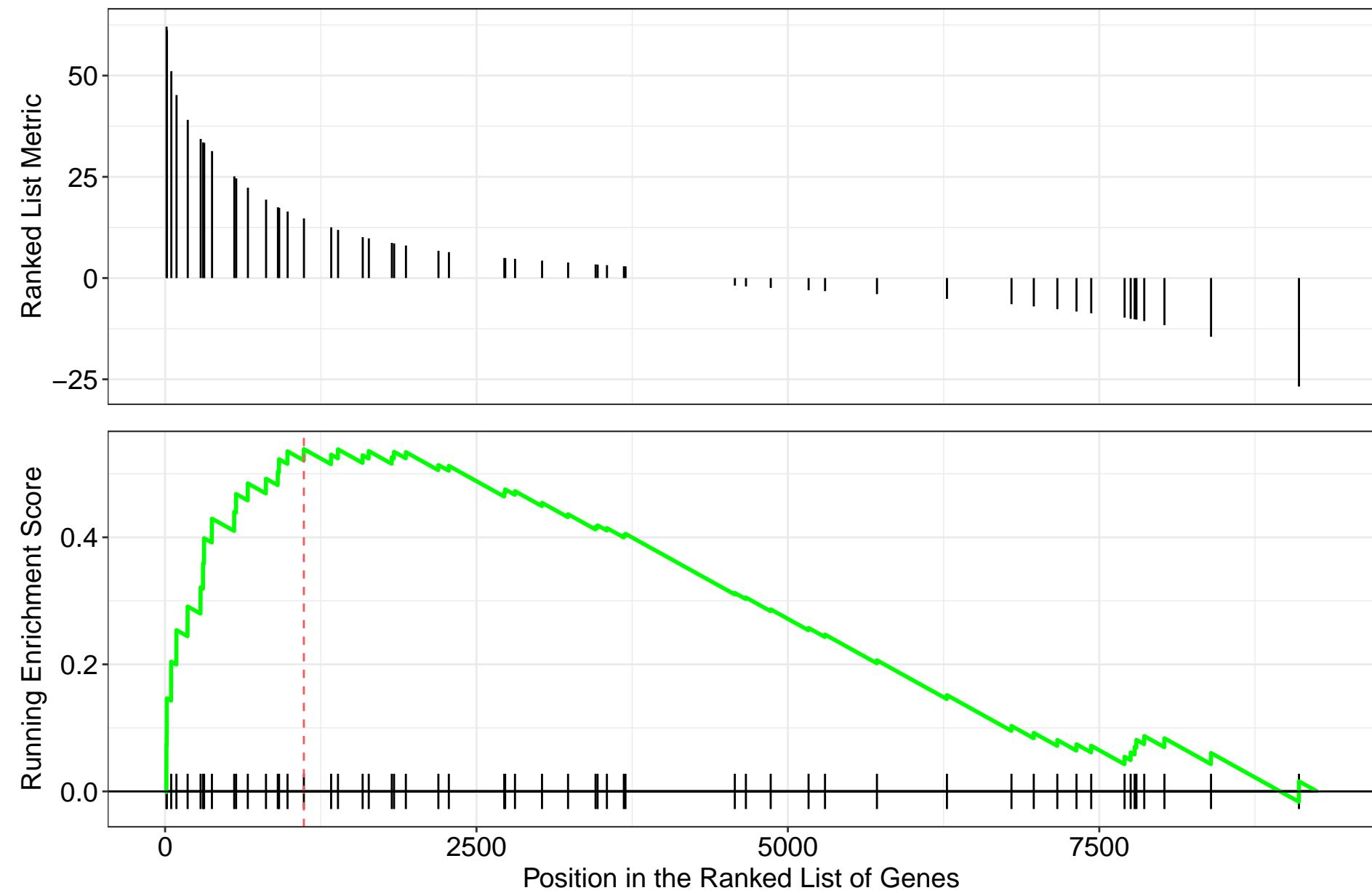
regulation of response to interferon-gamma



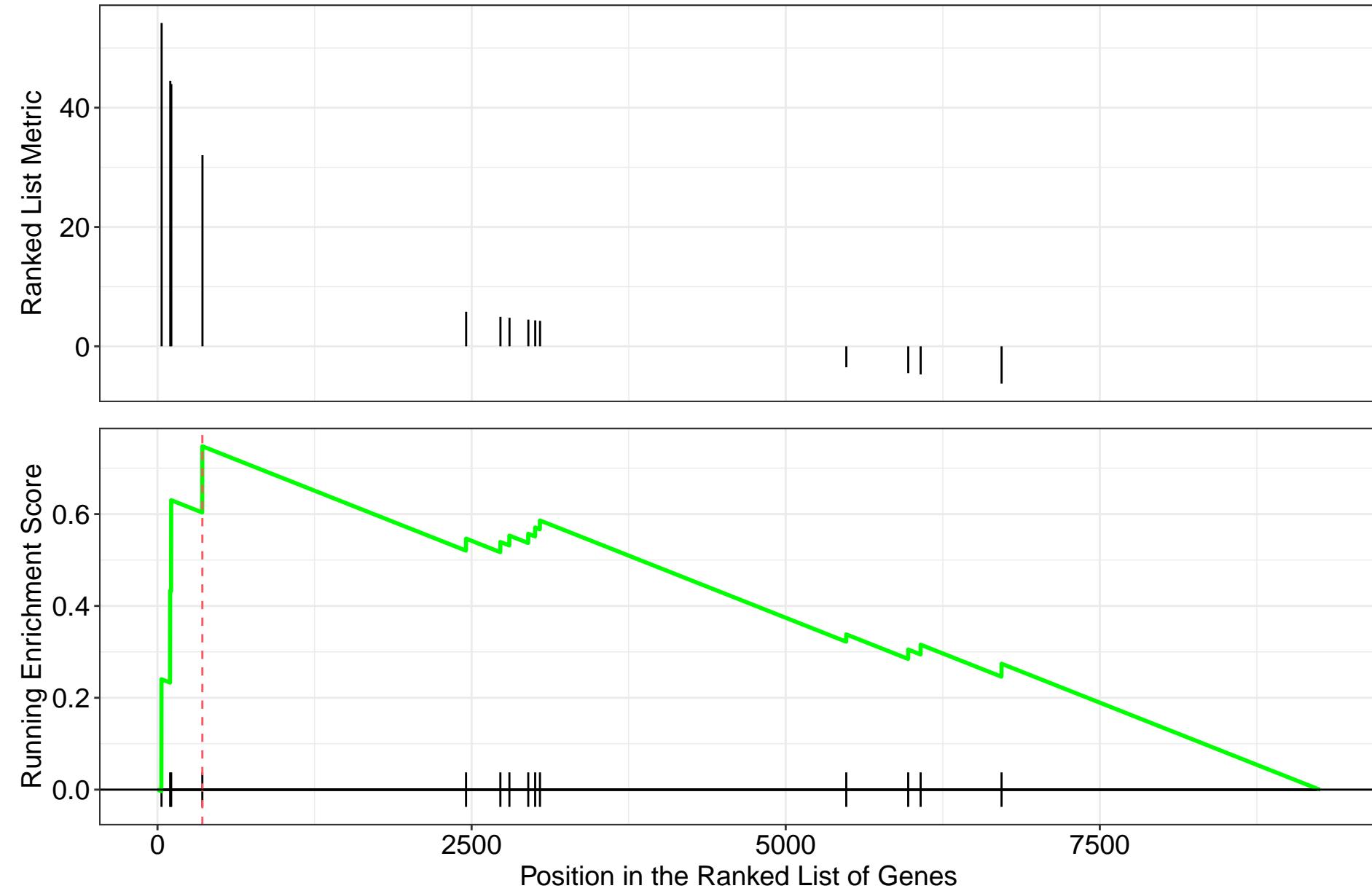
regulation of interferon-gamma-mediated signaling pathway



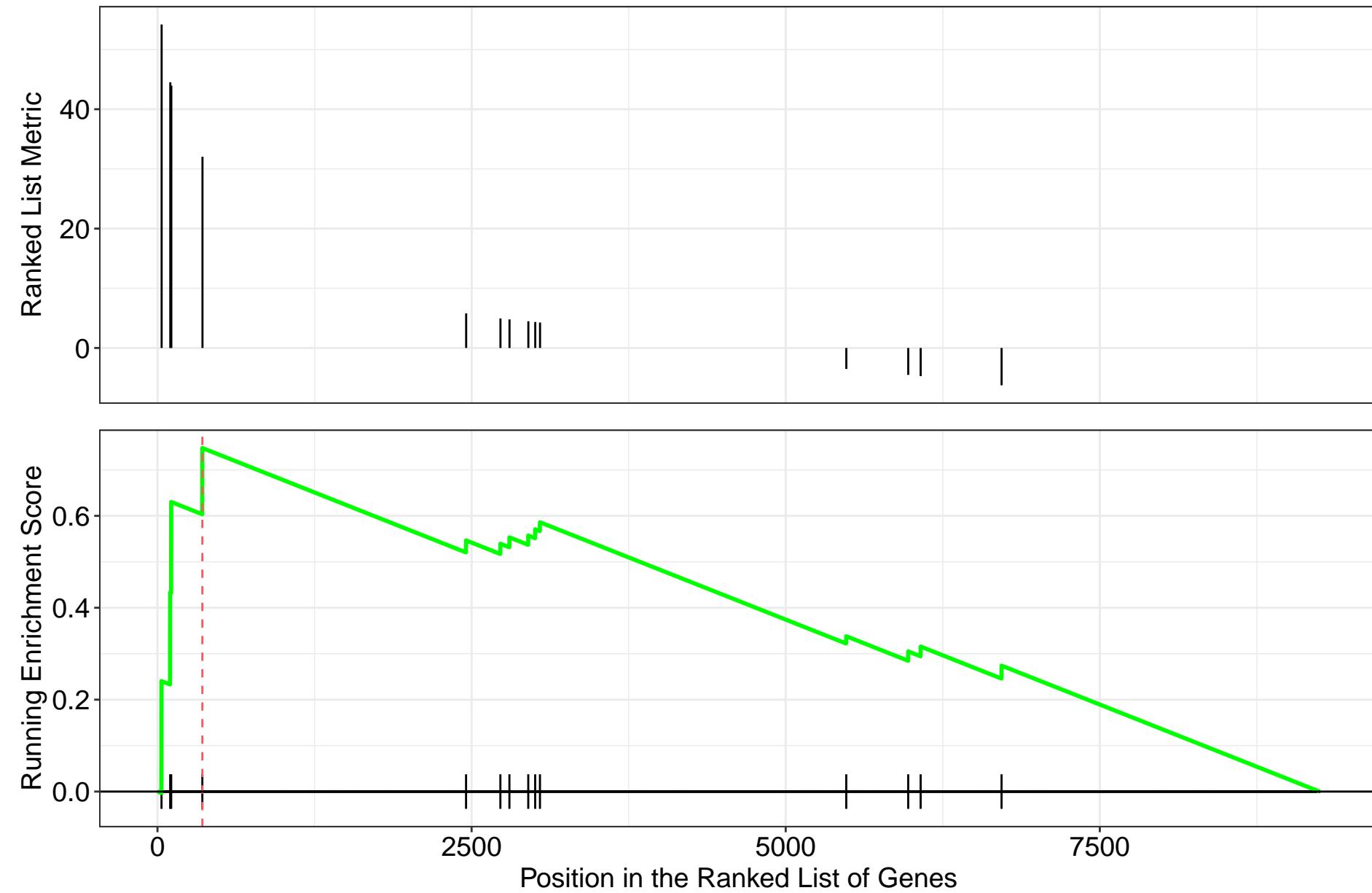
positive regulation of peptidyl-serine phosphorylation



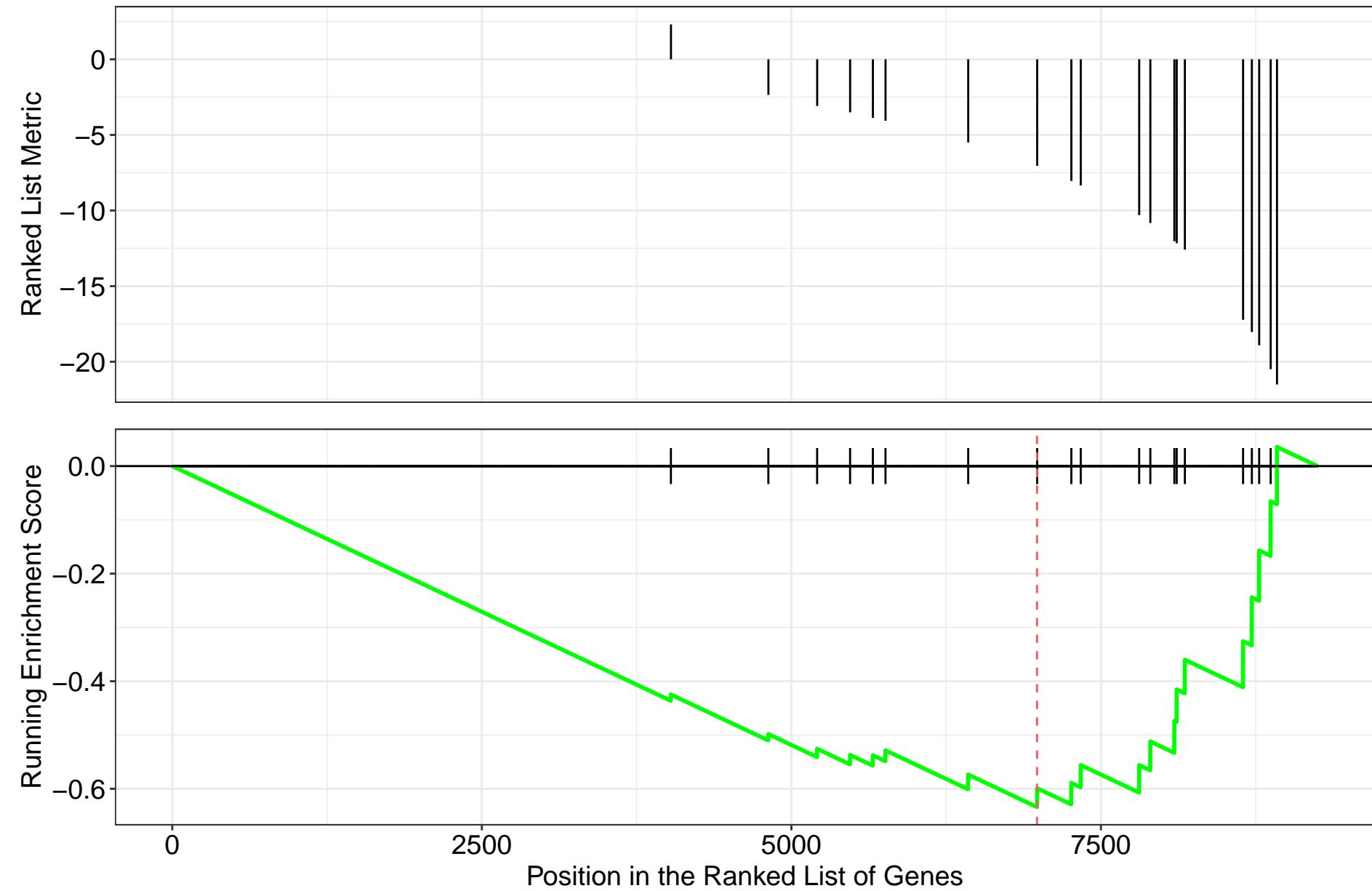
positive regulation of granulocyte chemotaxis



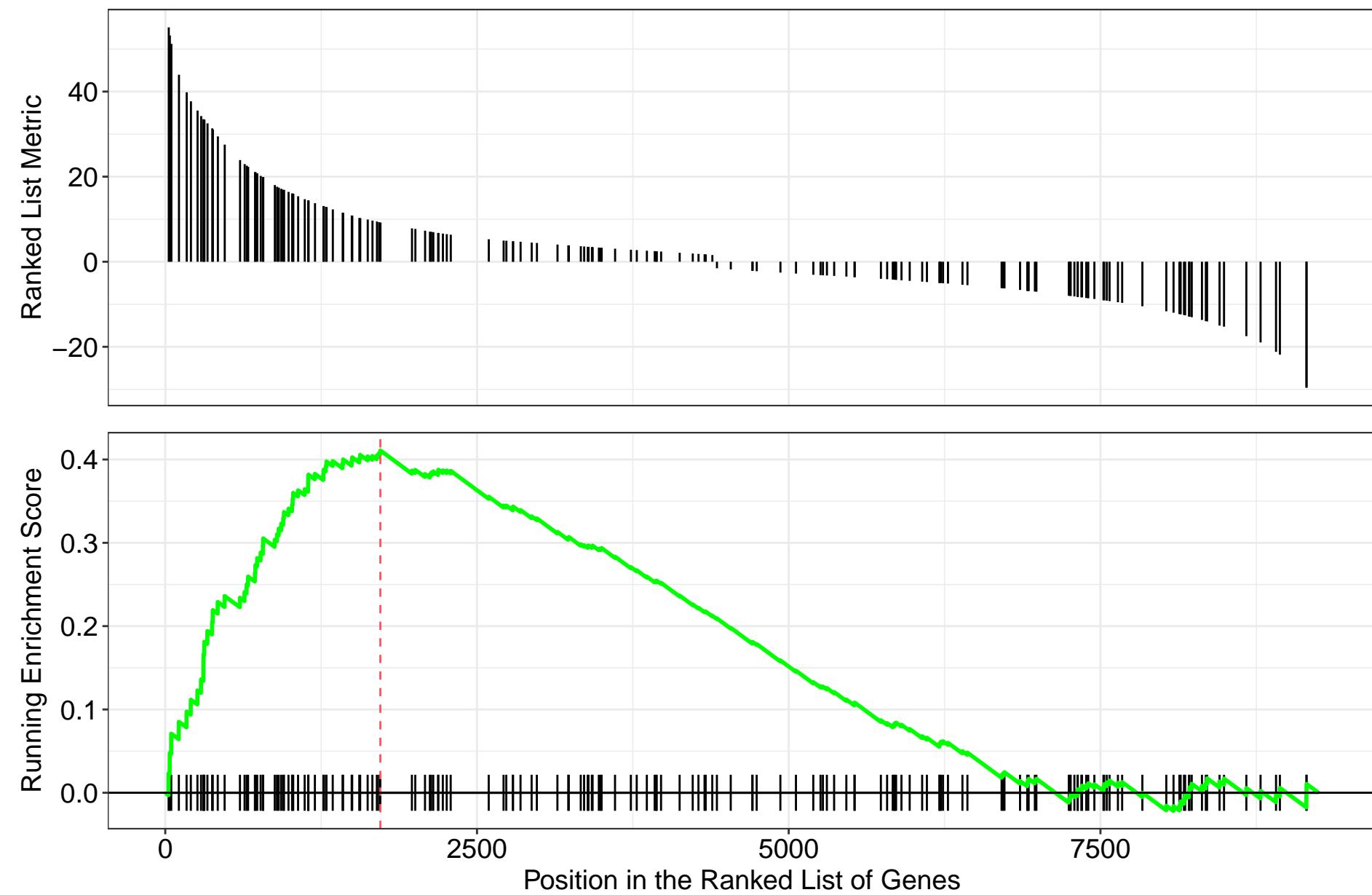
positive regulation of neutrophil chemotaxis



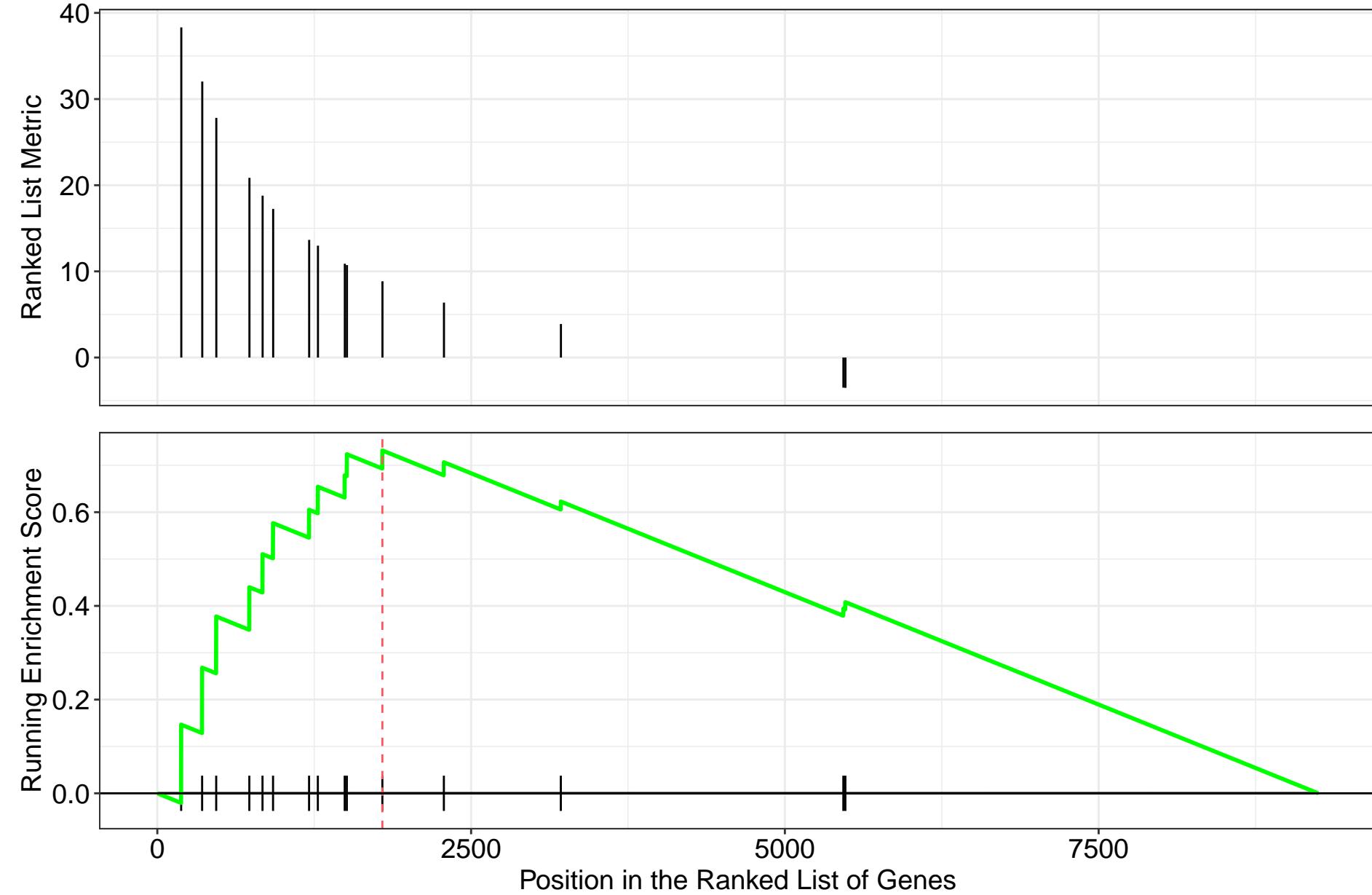
positive regulation of chromosome separation



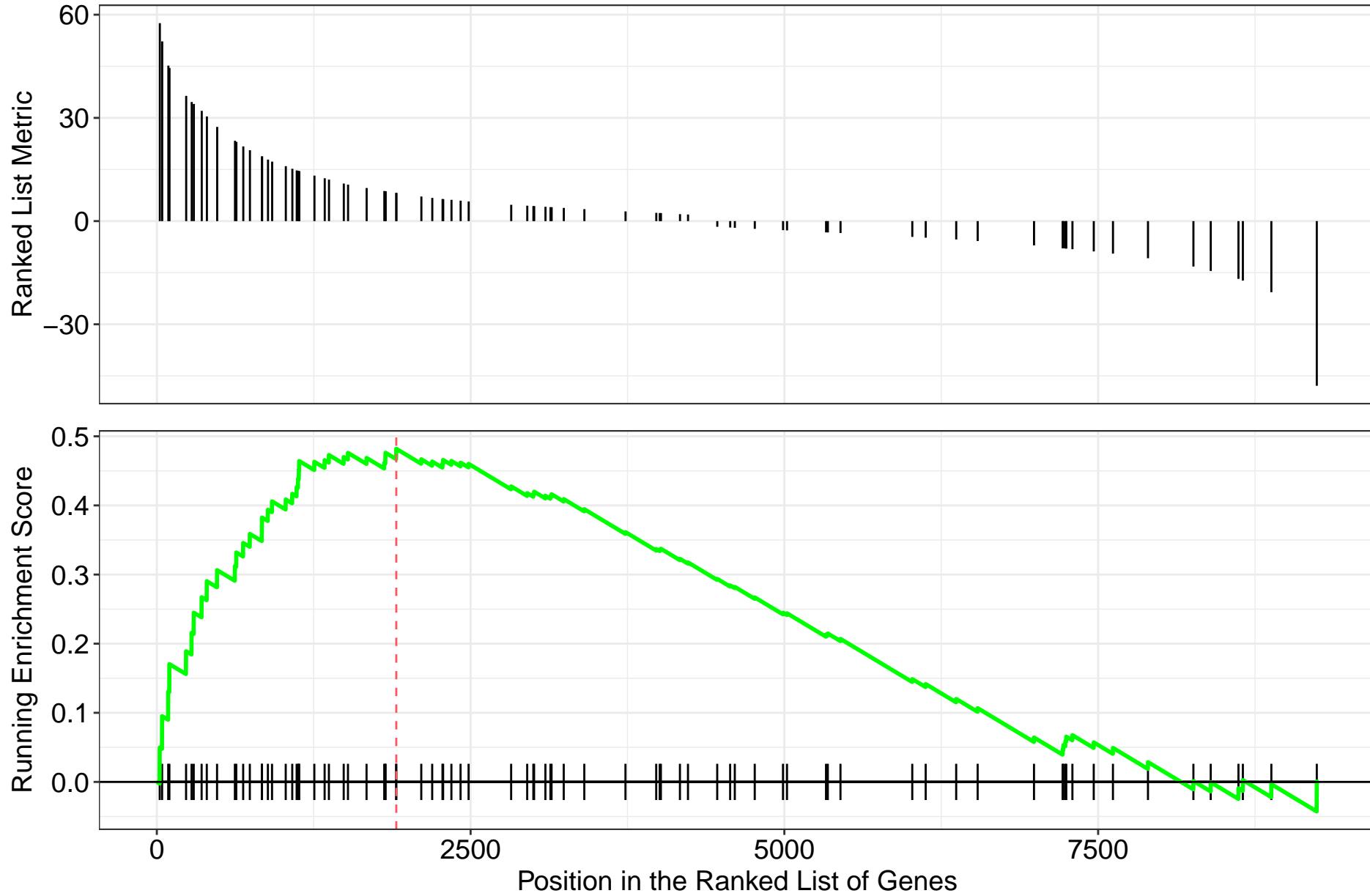
muscle tissue development



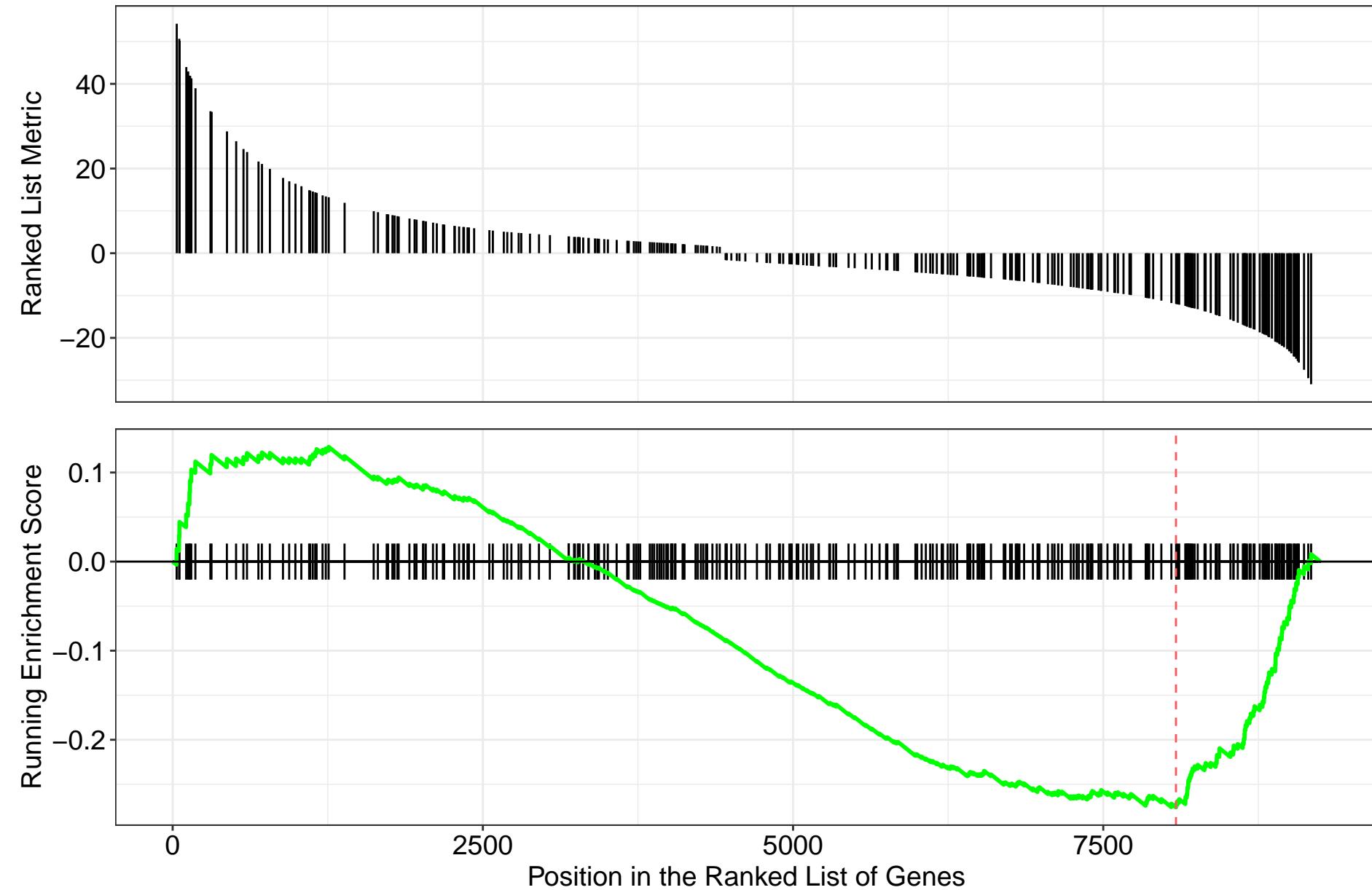
negative regulation of interleukin-12 production



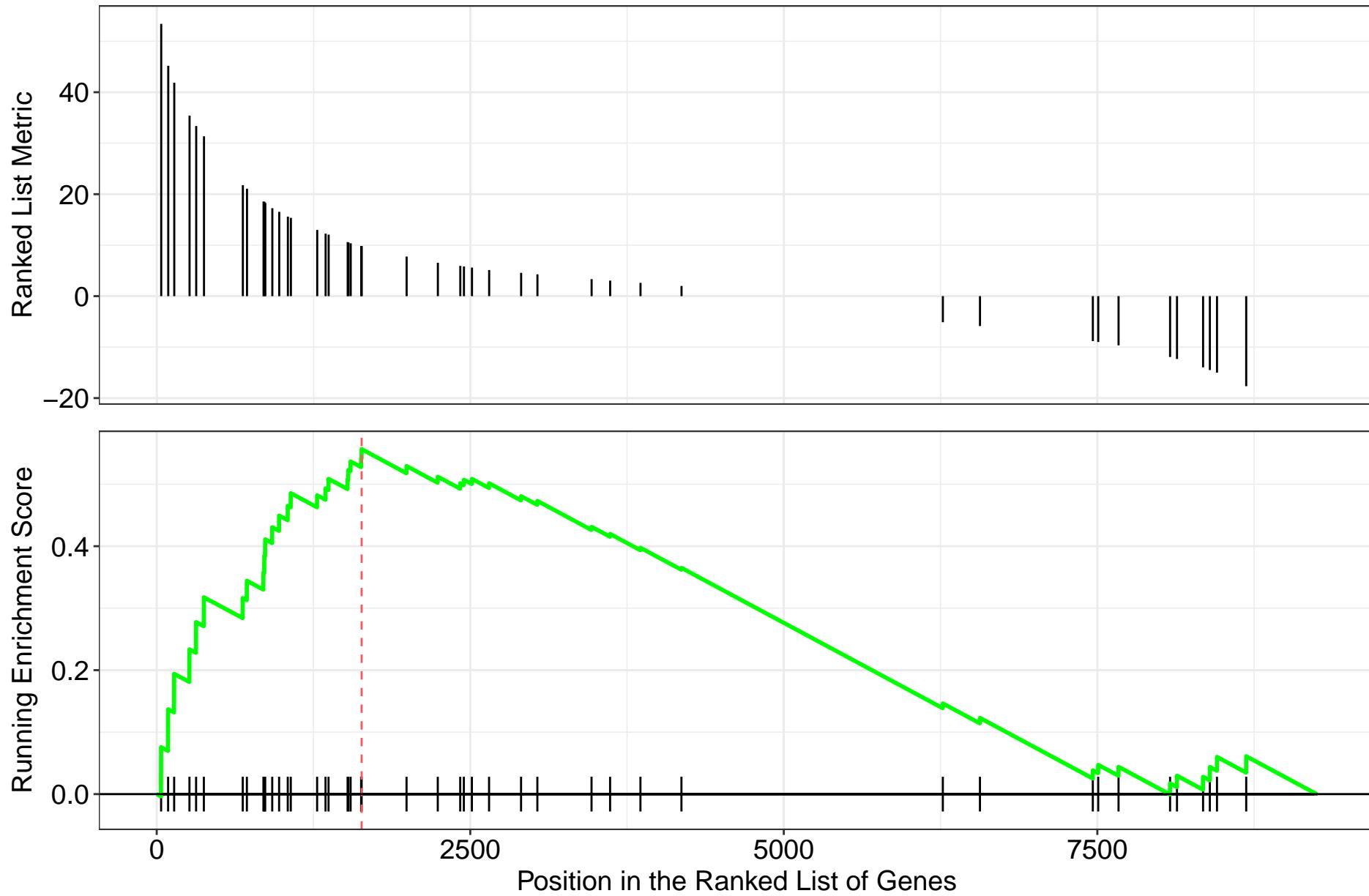
positive regulation of lymphocyte differentiation



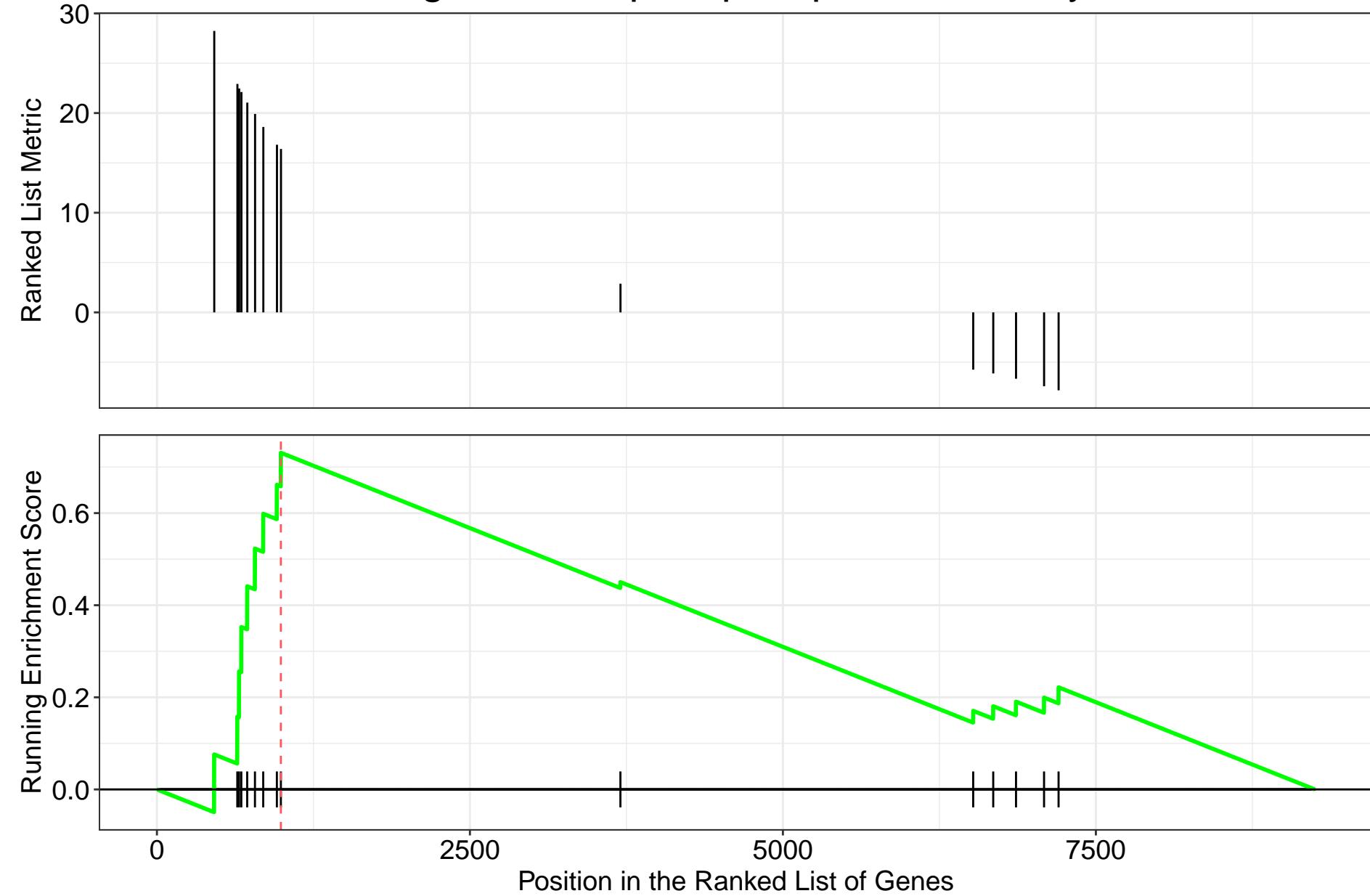
regulation of mitotic cell cycle



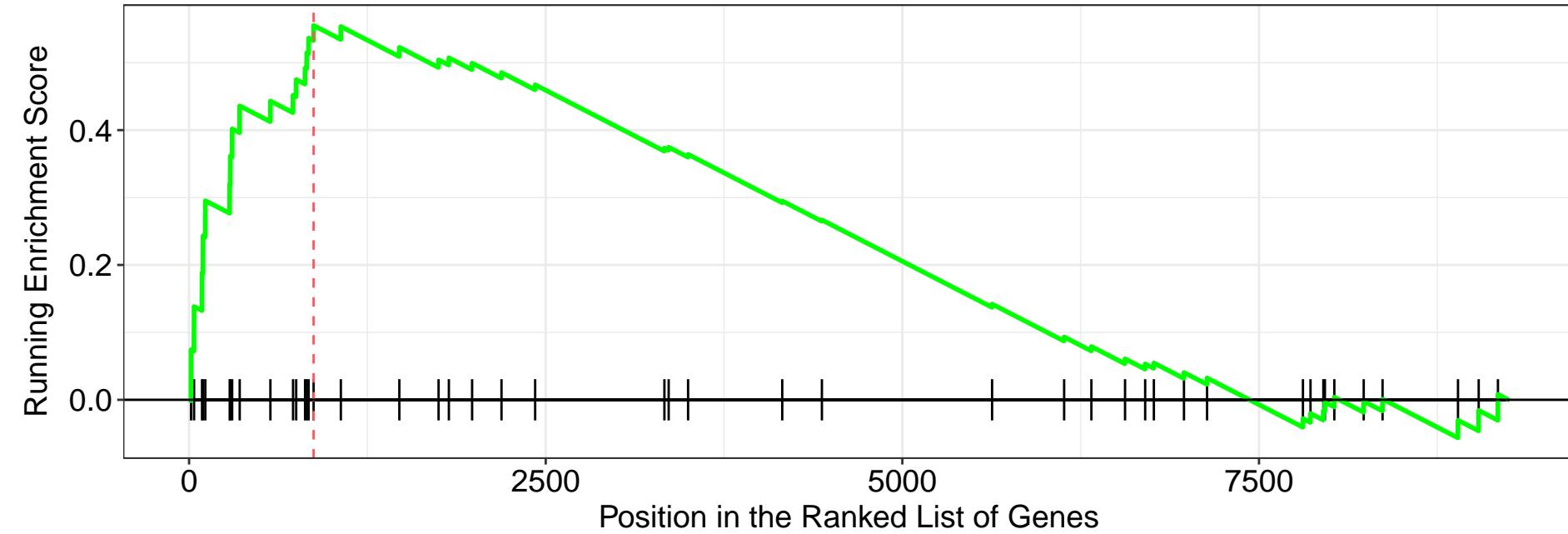
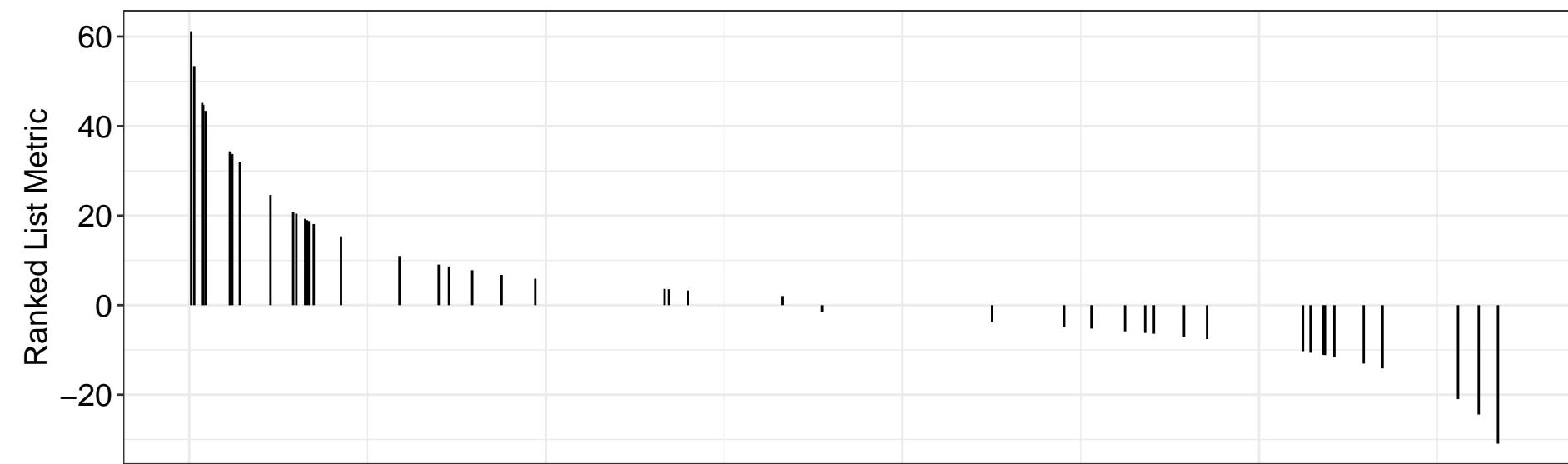
negative regulation of cytokine-mediated signaling pathway



regulation of phospholipase C activity



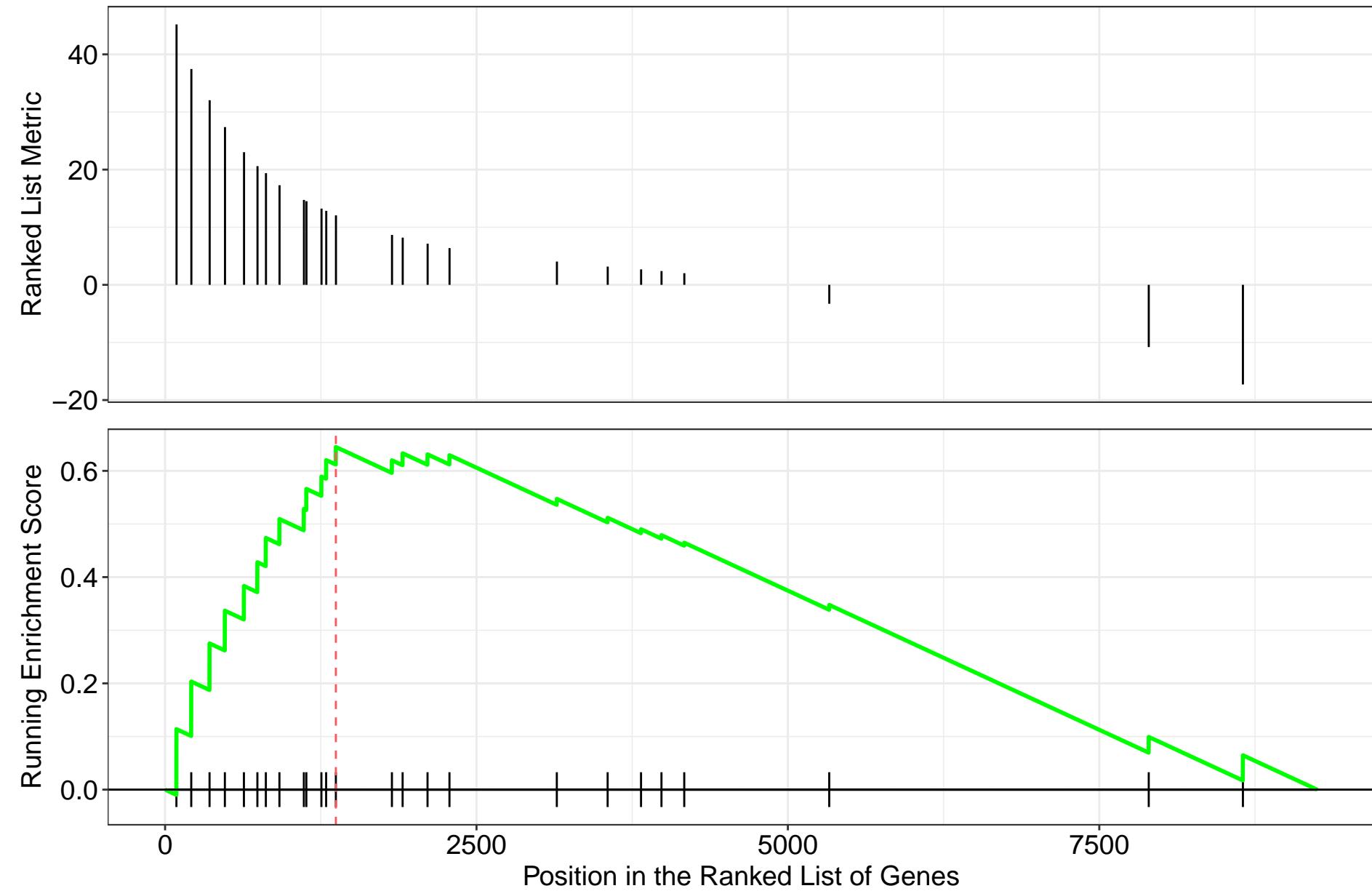
response to corticosteroid



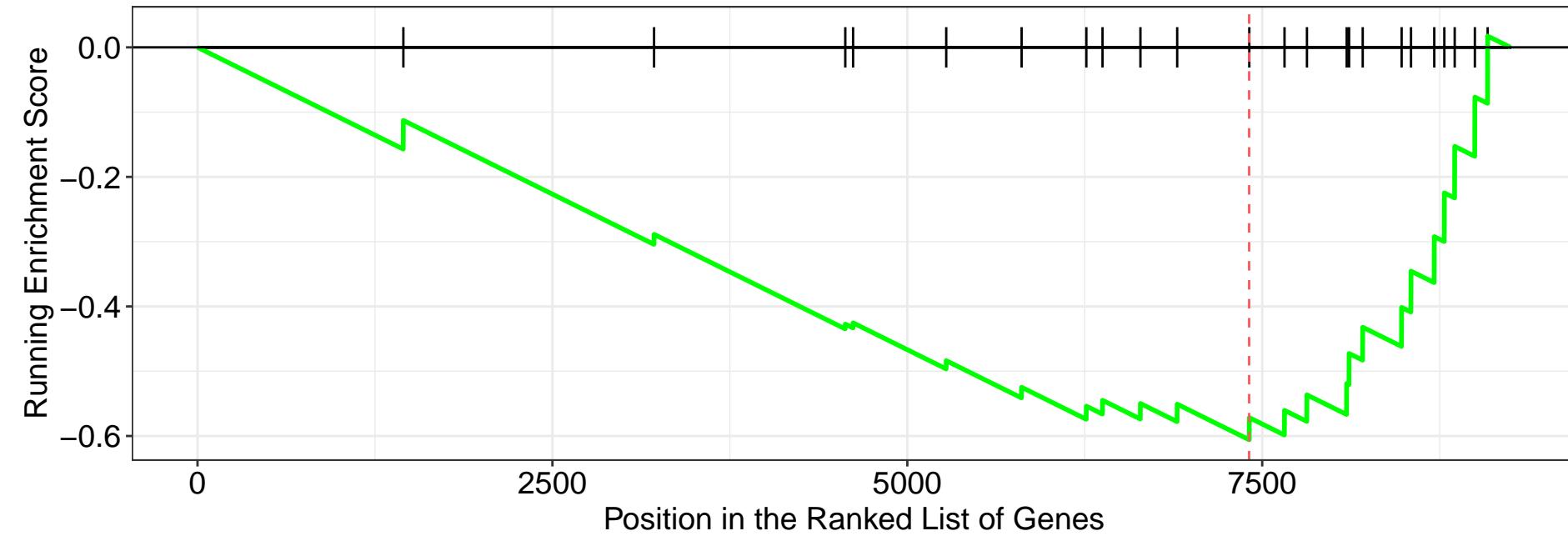
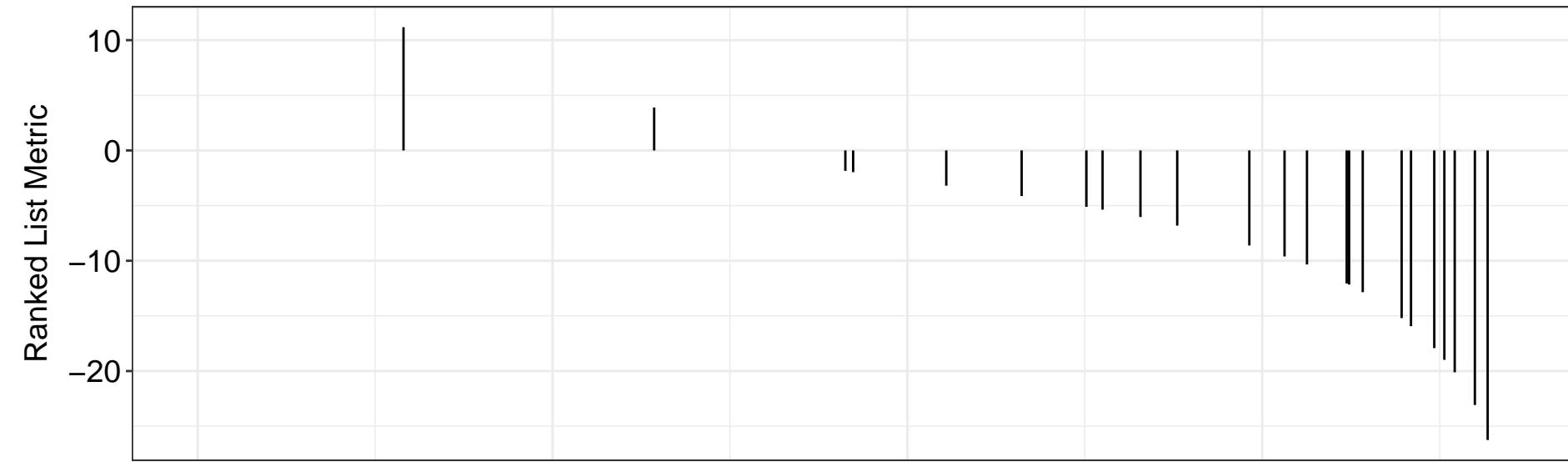
regulation of macrophage chemotaxis



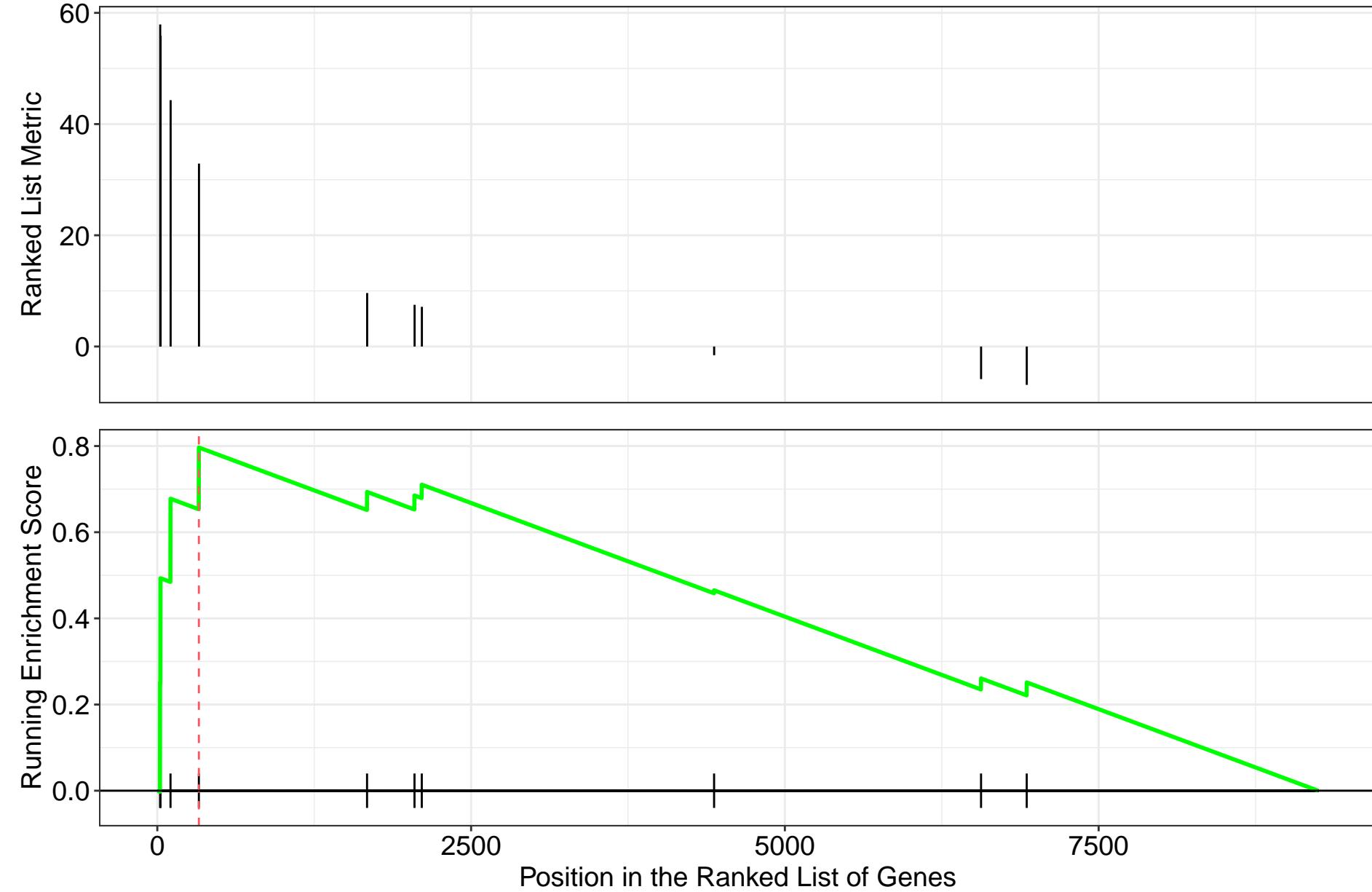
regulation of T-helper cell differentiation



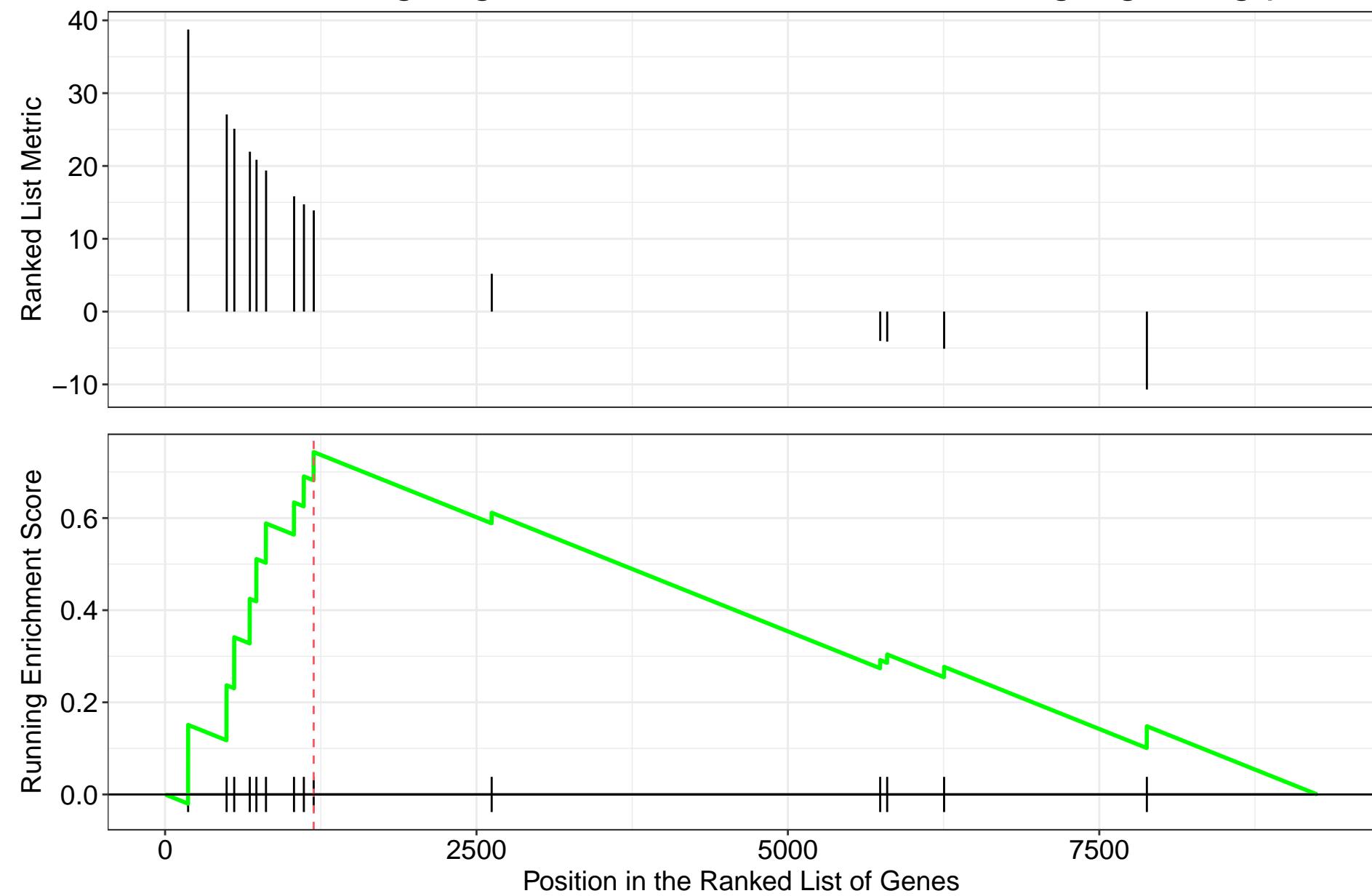
centromere complex assembly



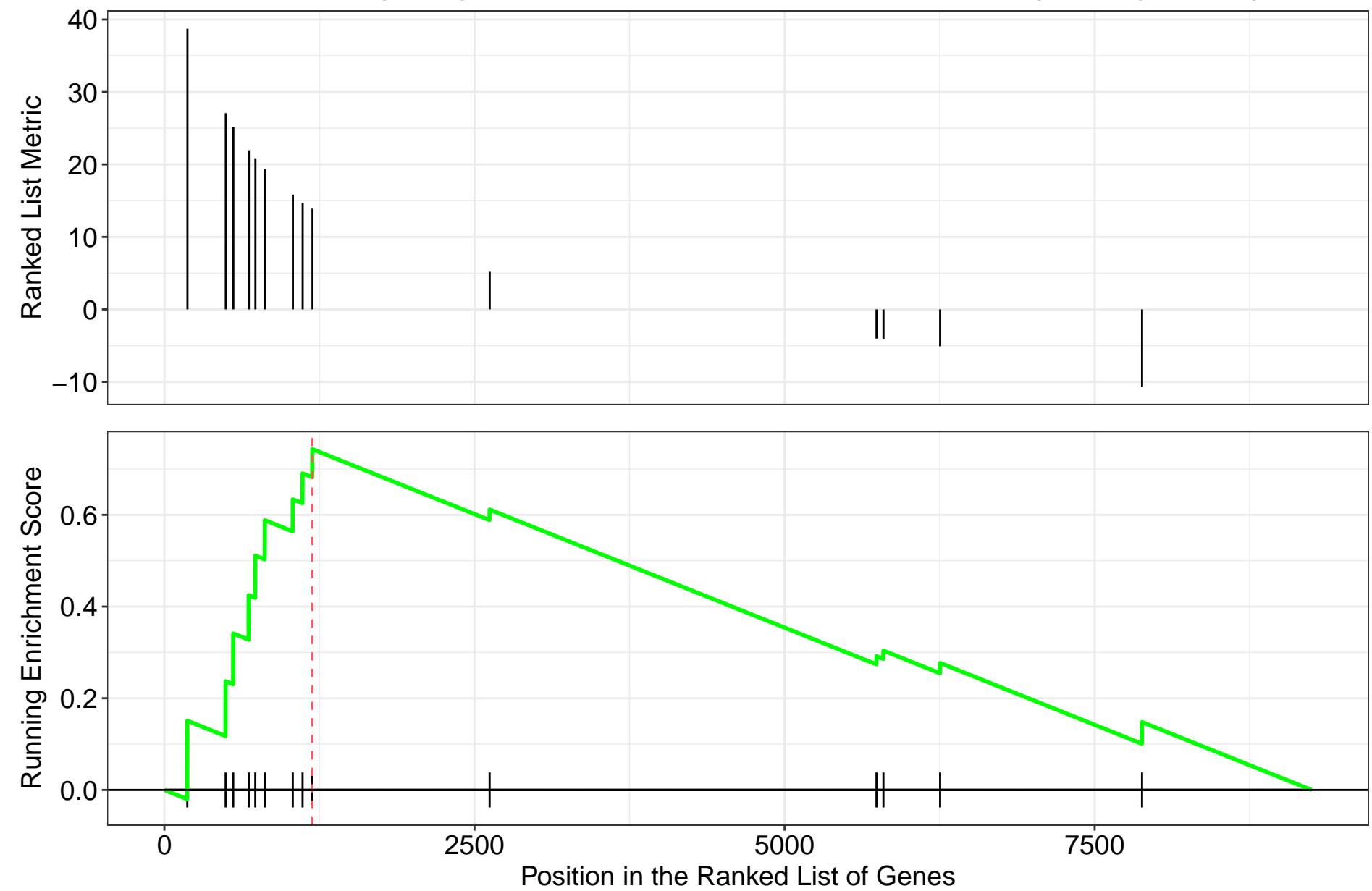
positive regulation of T cell apoptotic process



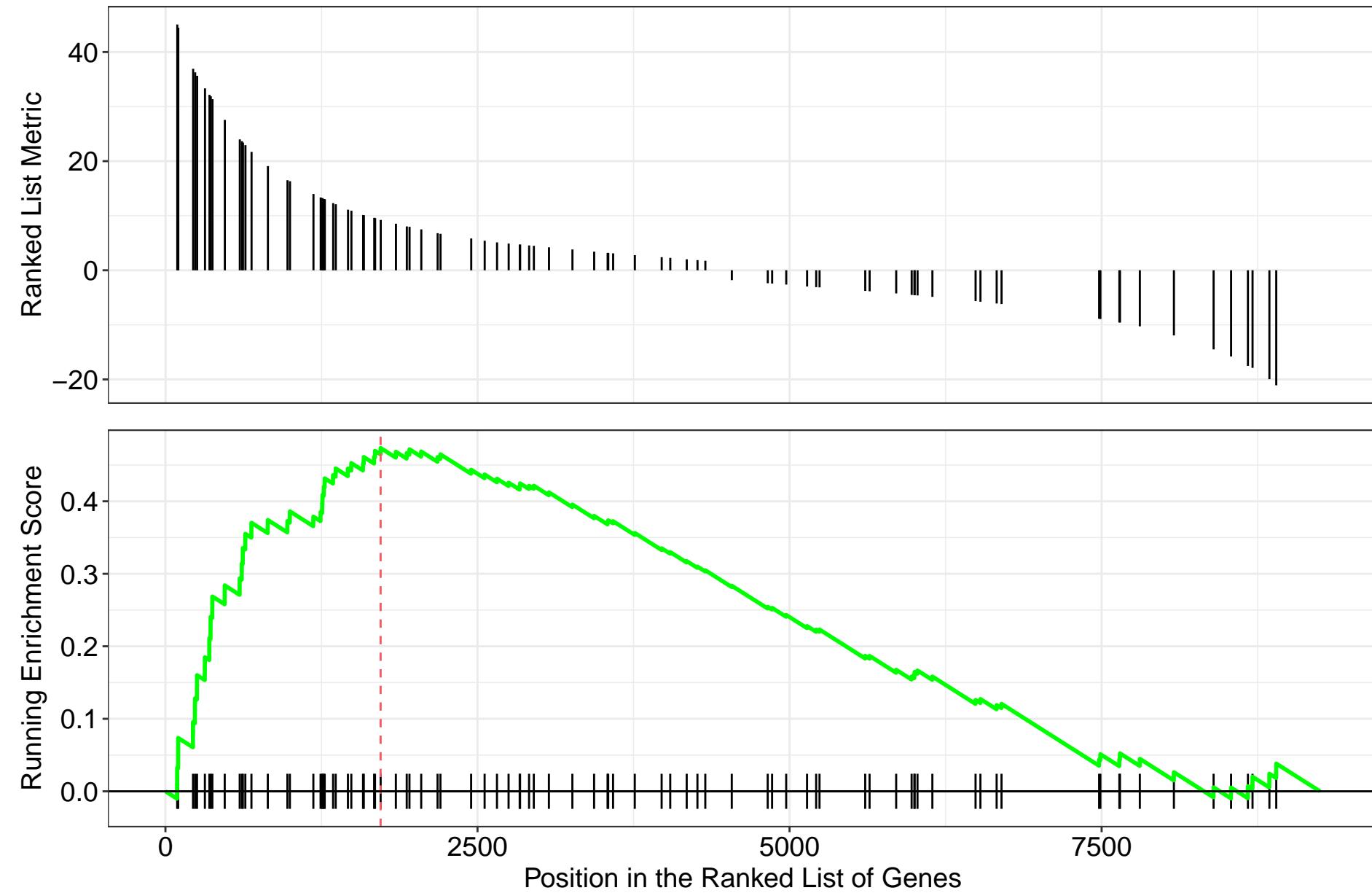
nucleotide–binding oligomerization domain containing signaling pathway



nucleotide–binding oligomerization domain containing 2 signaling pathway

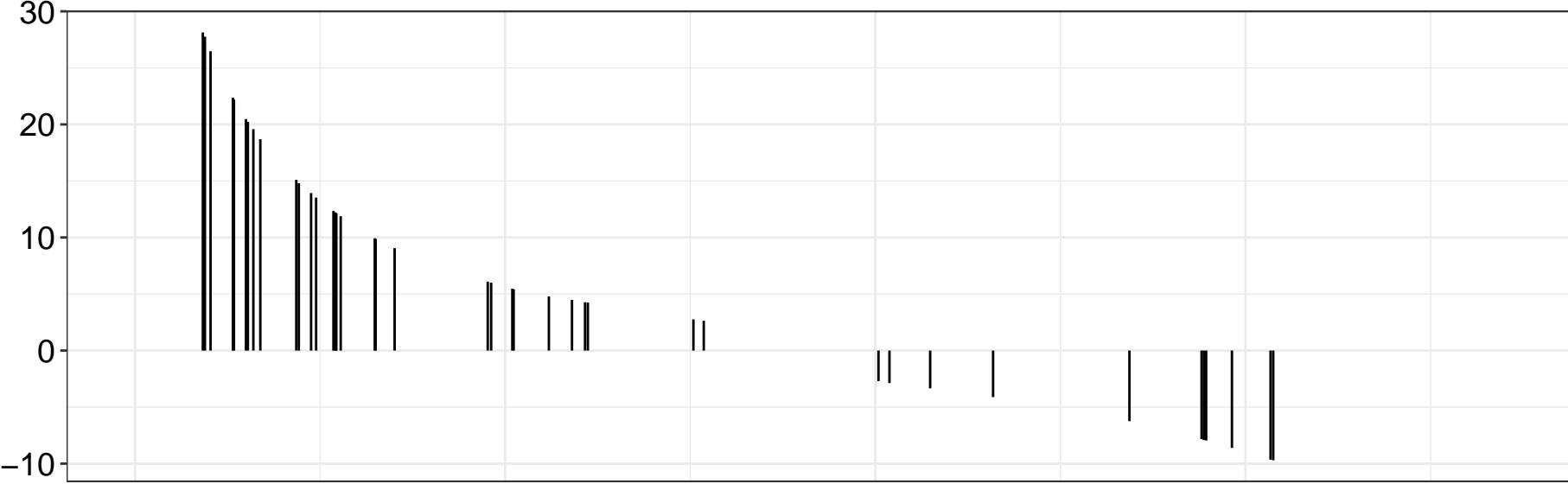


biological process involved in interaction with host



antigen processing and presentation of peptide antigen

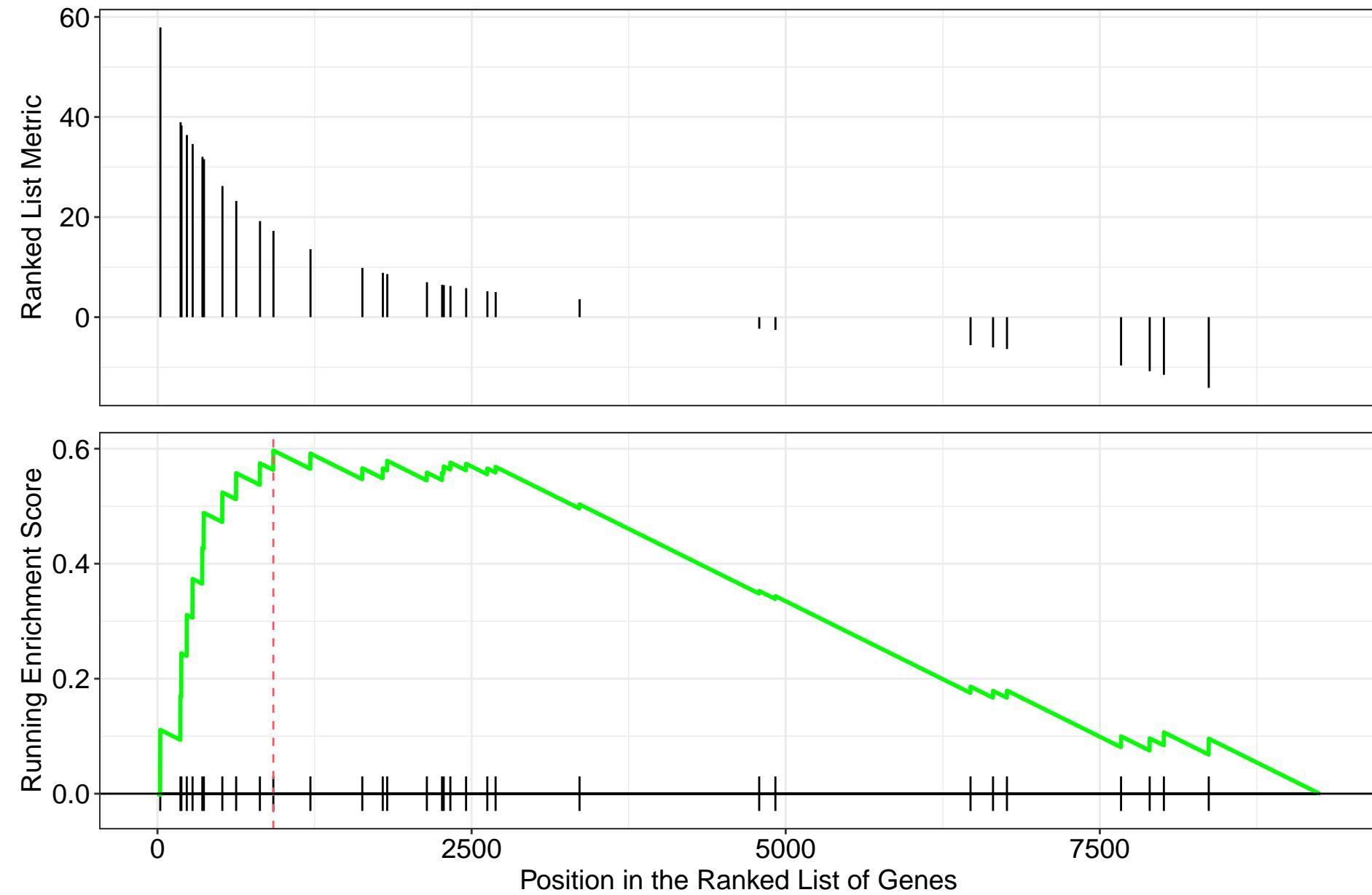
Ranked List Metric



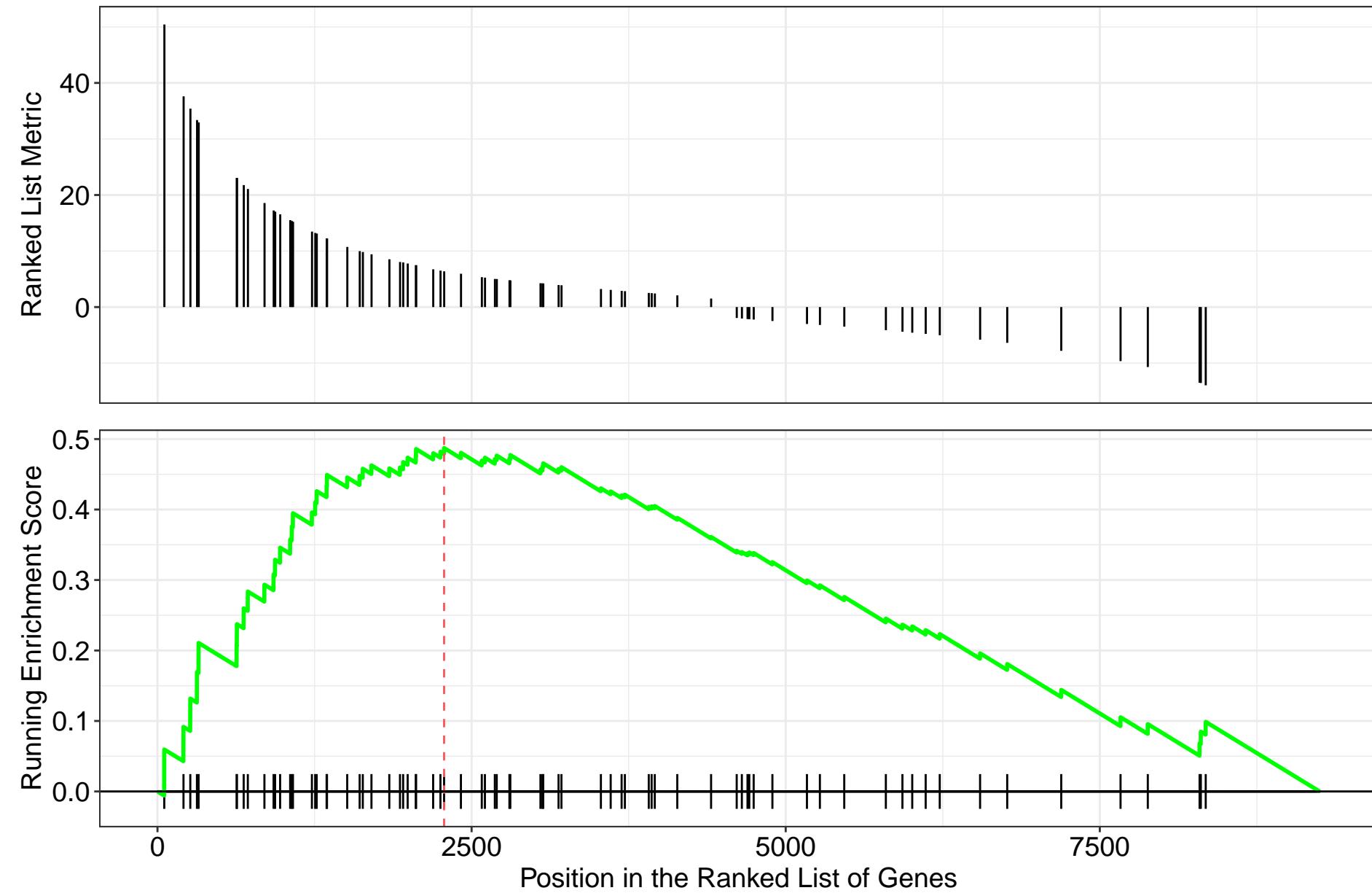
Running Enrichment Score



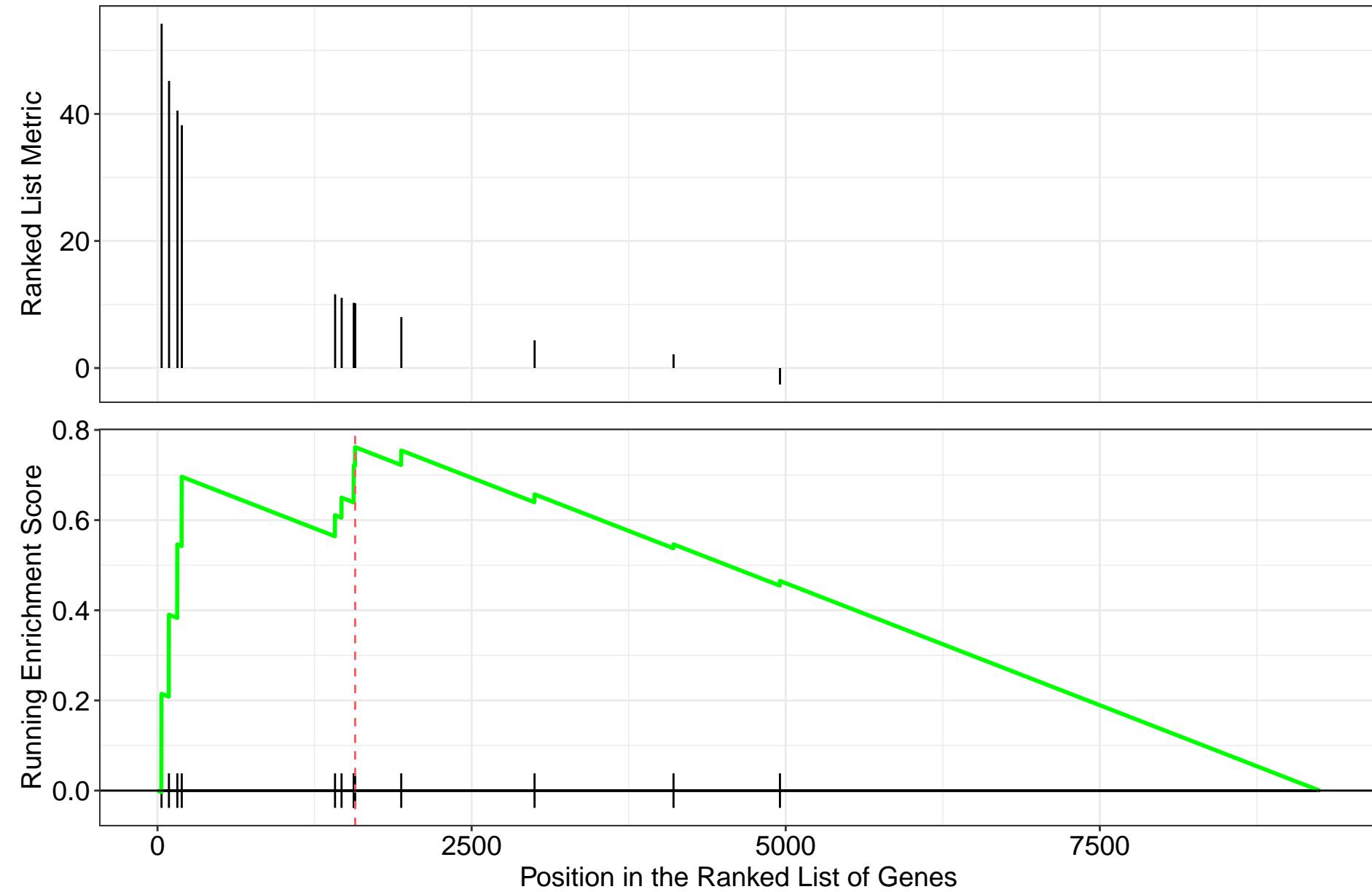
regulation of macrophage migration



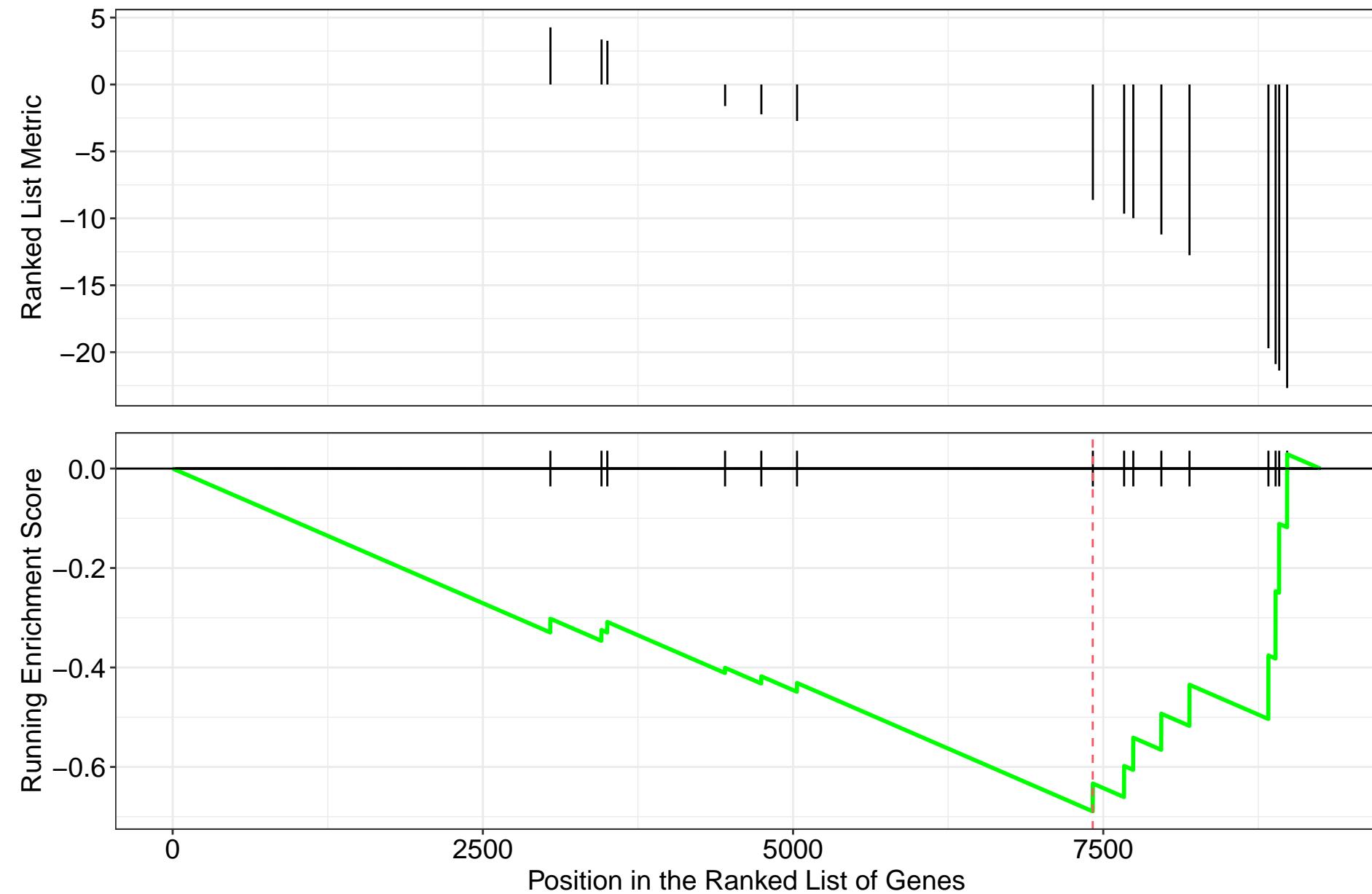
regulation of type I interferon production



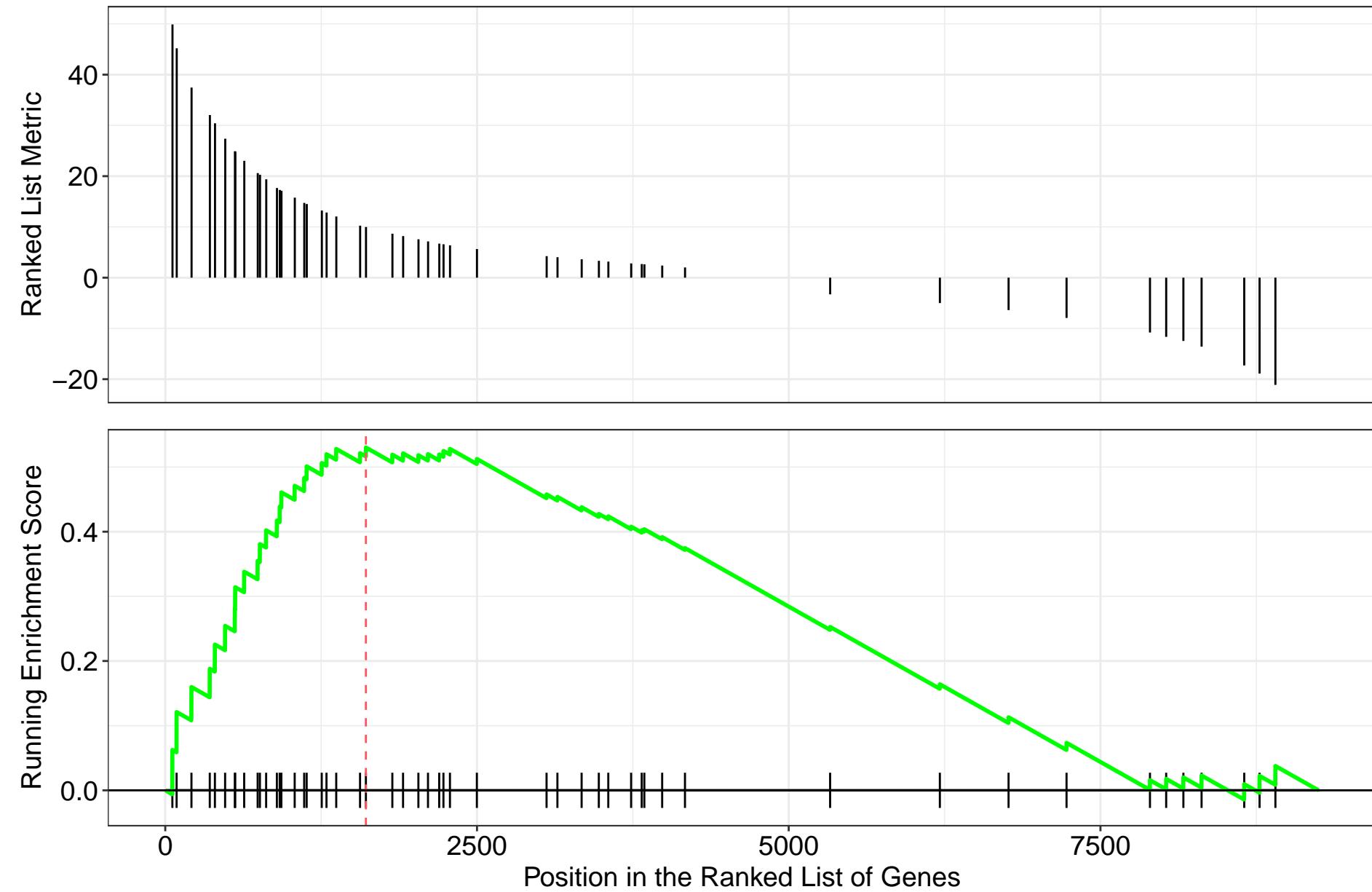
response to interleukin-17



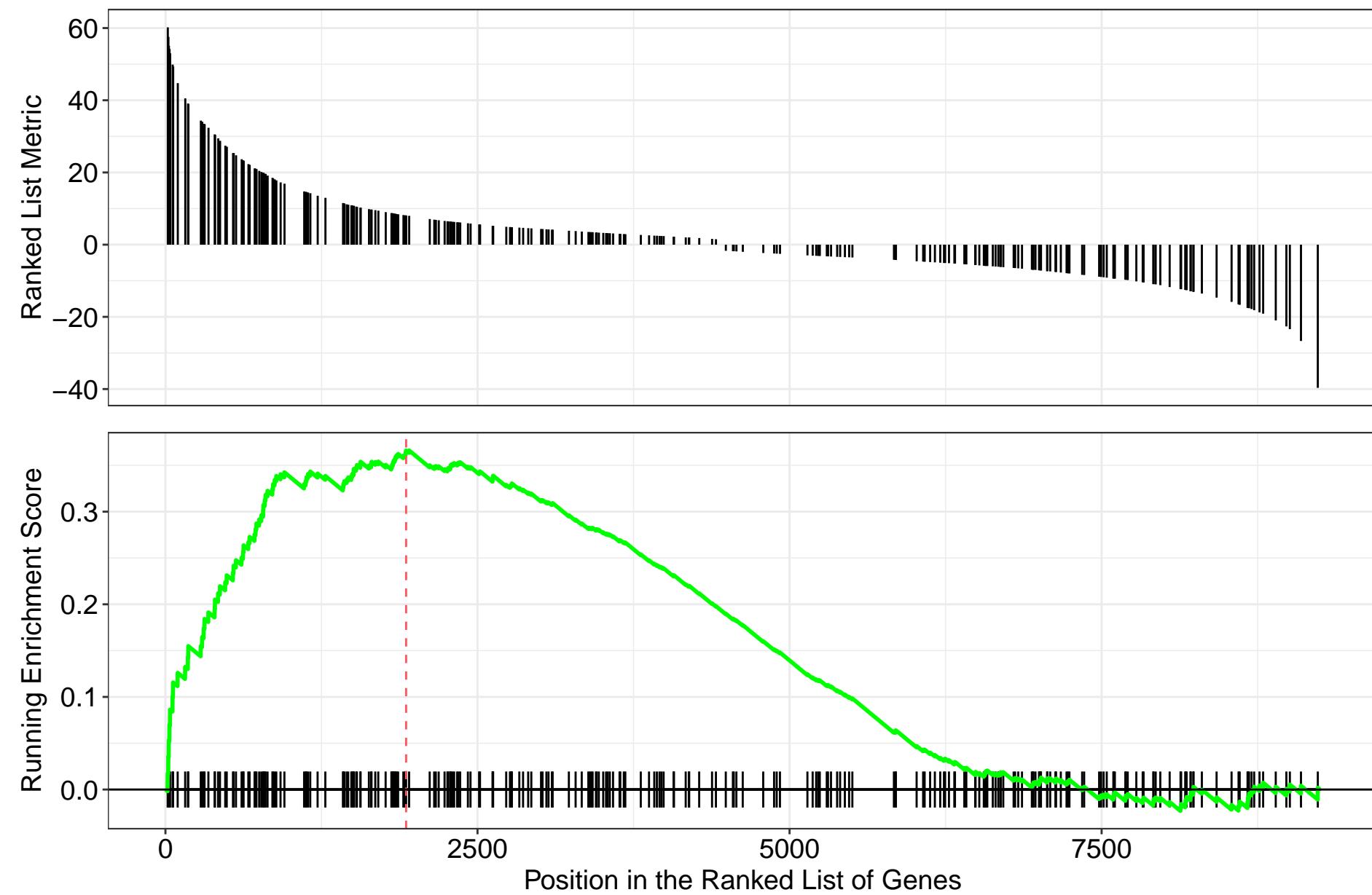
regulation of ubiquitin protein ligase activity



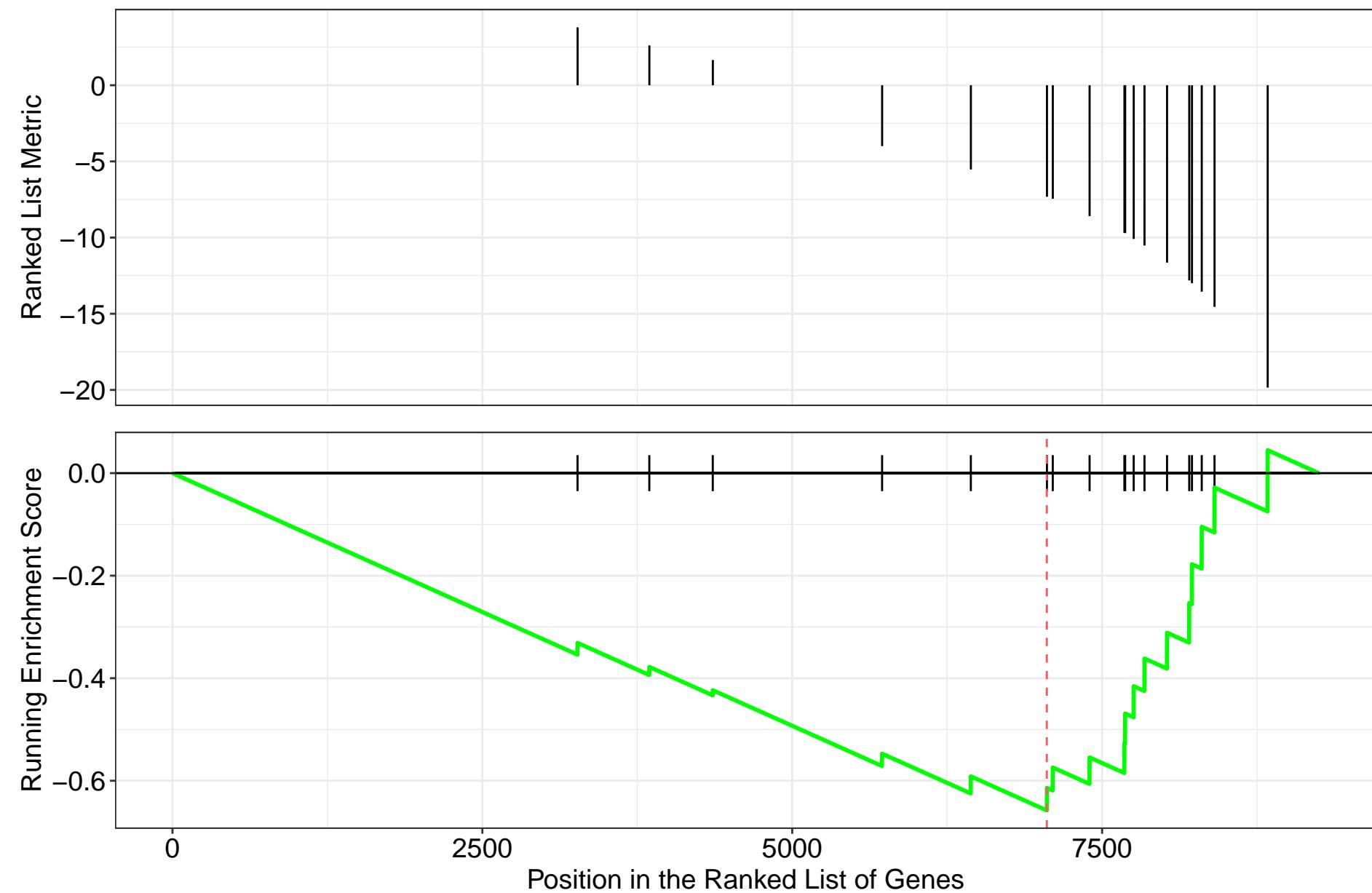
T cell differentiation involved in immune response



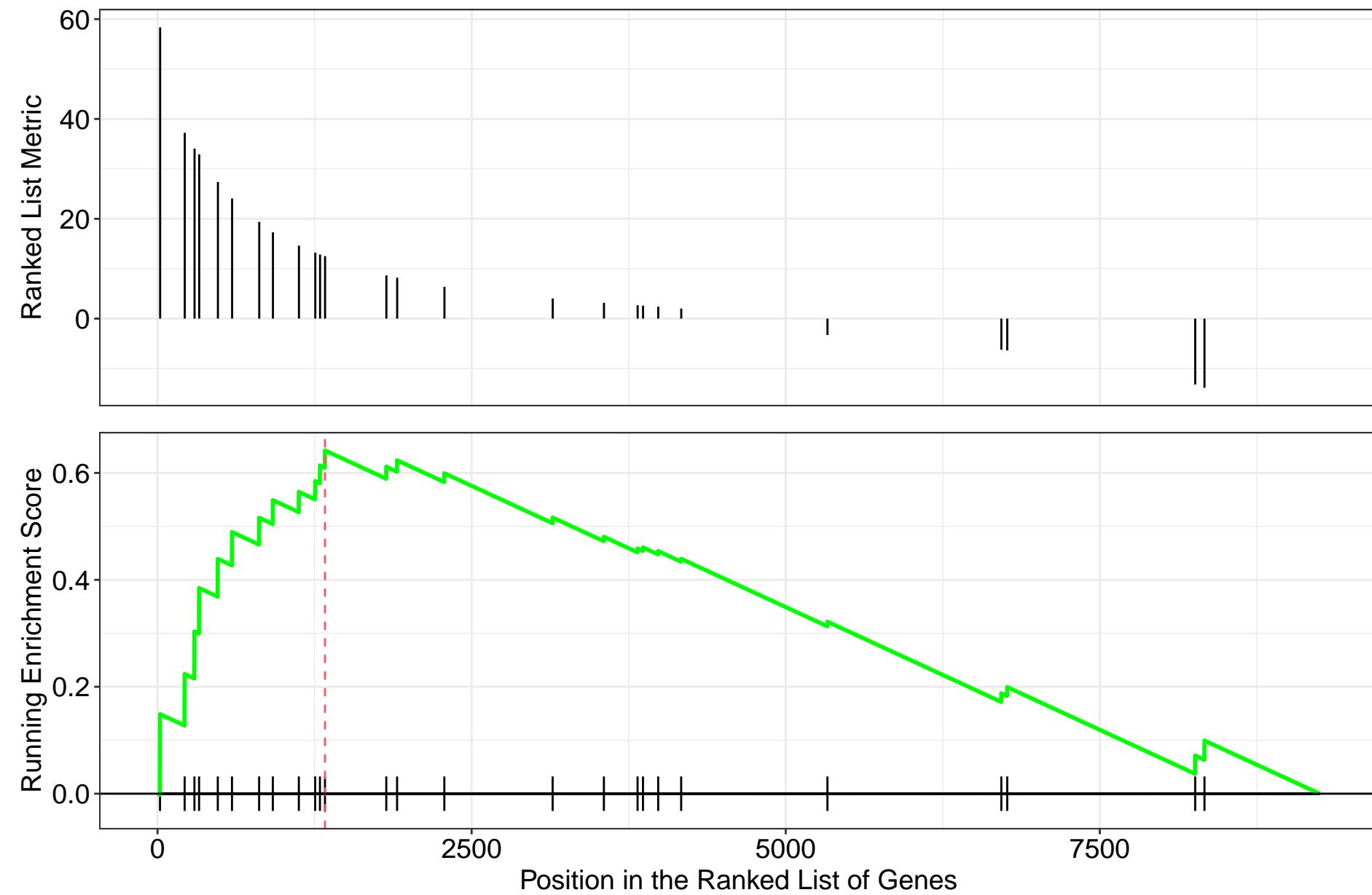
transmembrane receptor protein tyrosine kinase signaling pathway



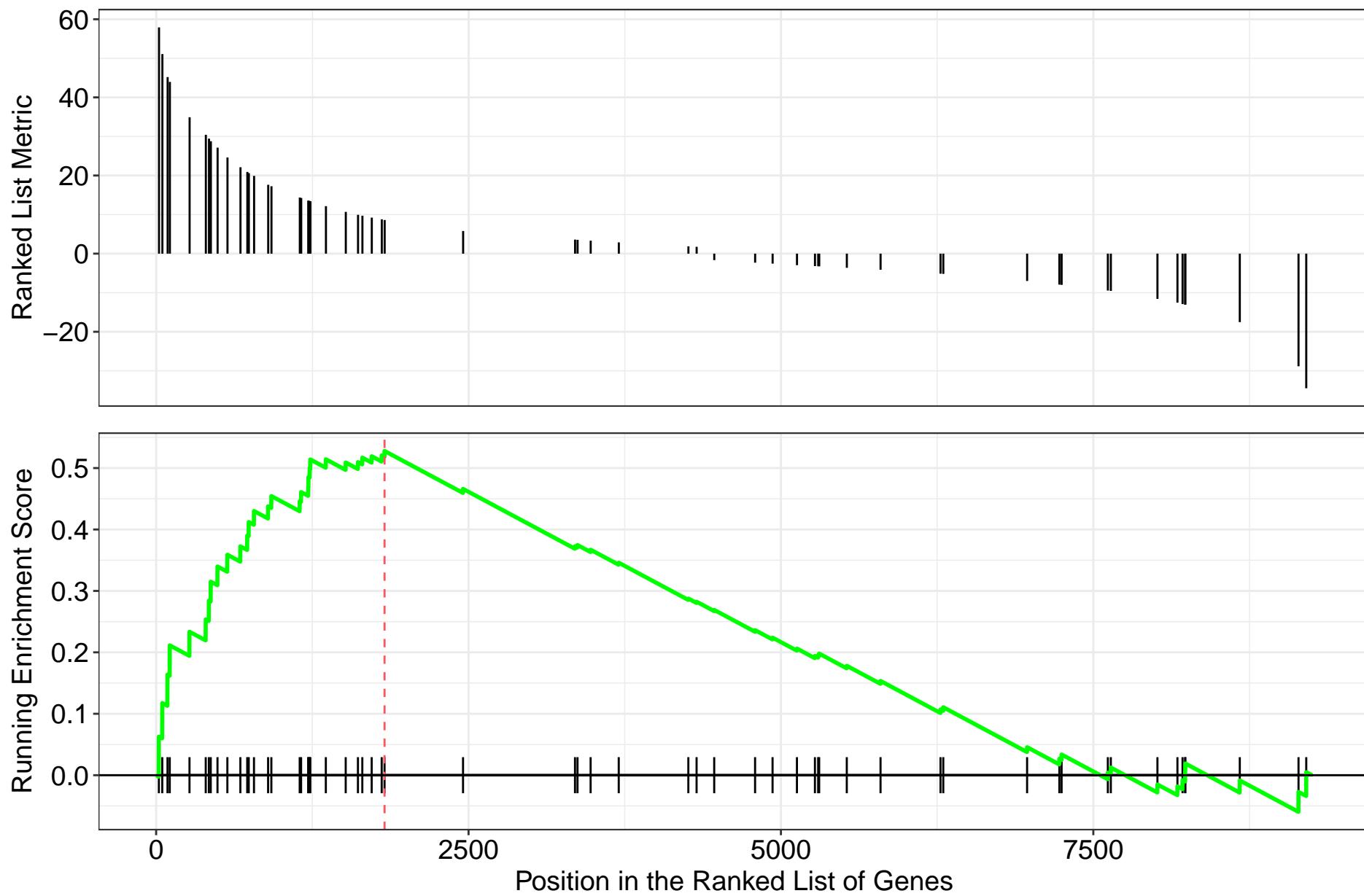
nuclear DNA replication



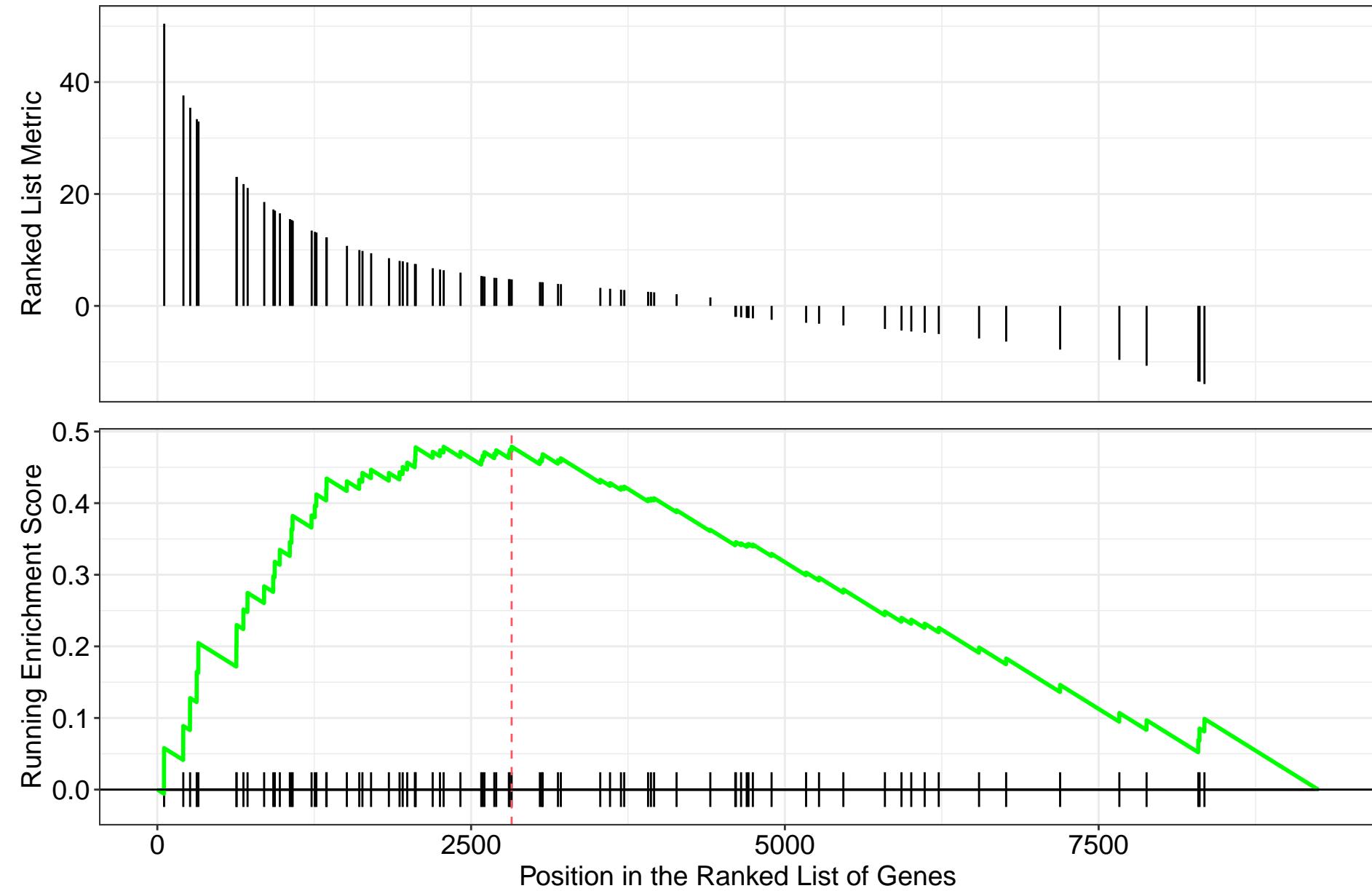
negative regulation of alpha–beta T cell activation



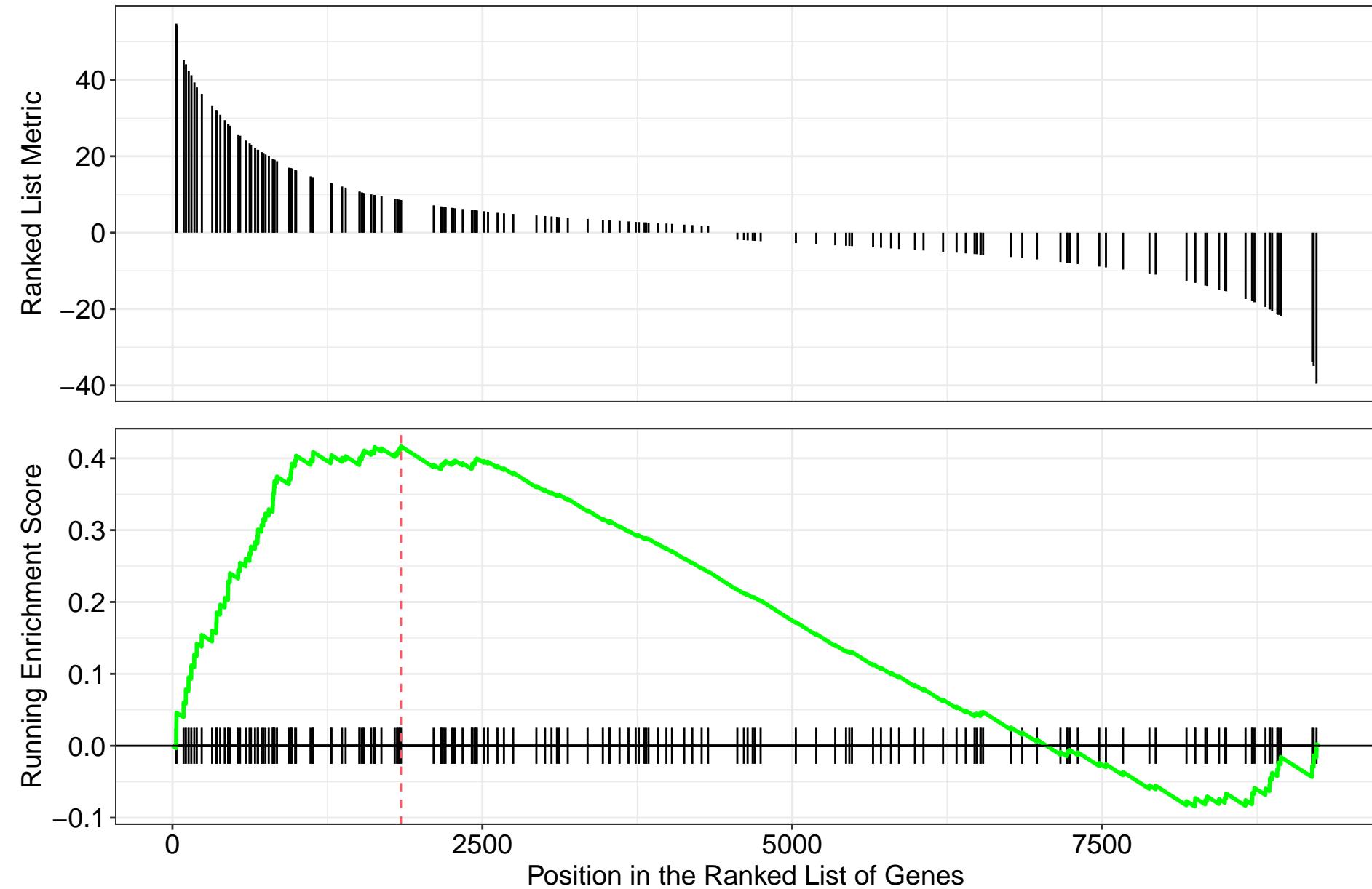
positive regulation of smooth muscle cell proliferation



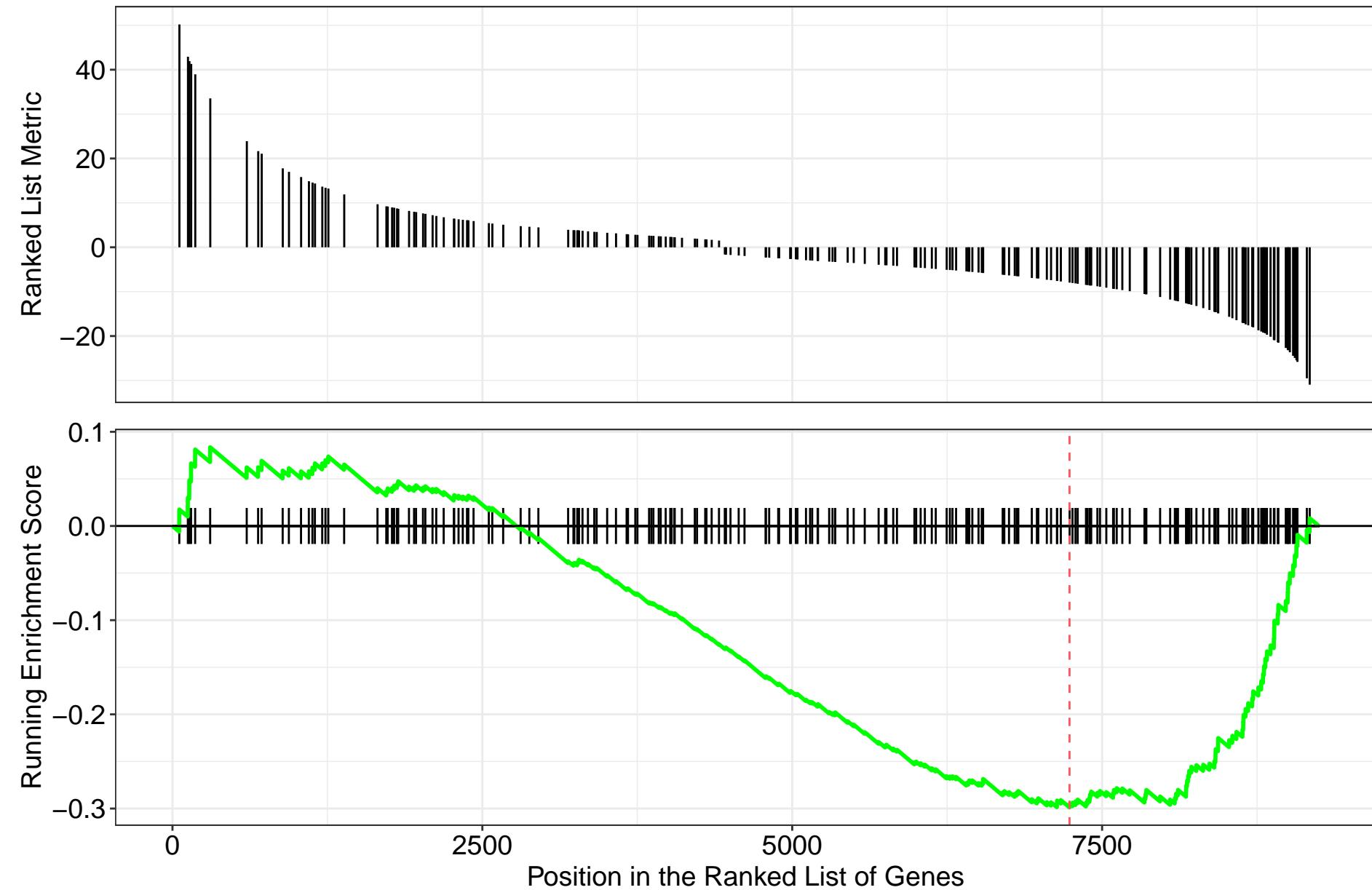
type I interferon production



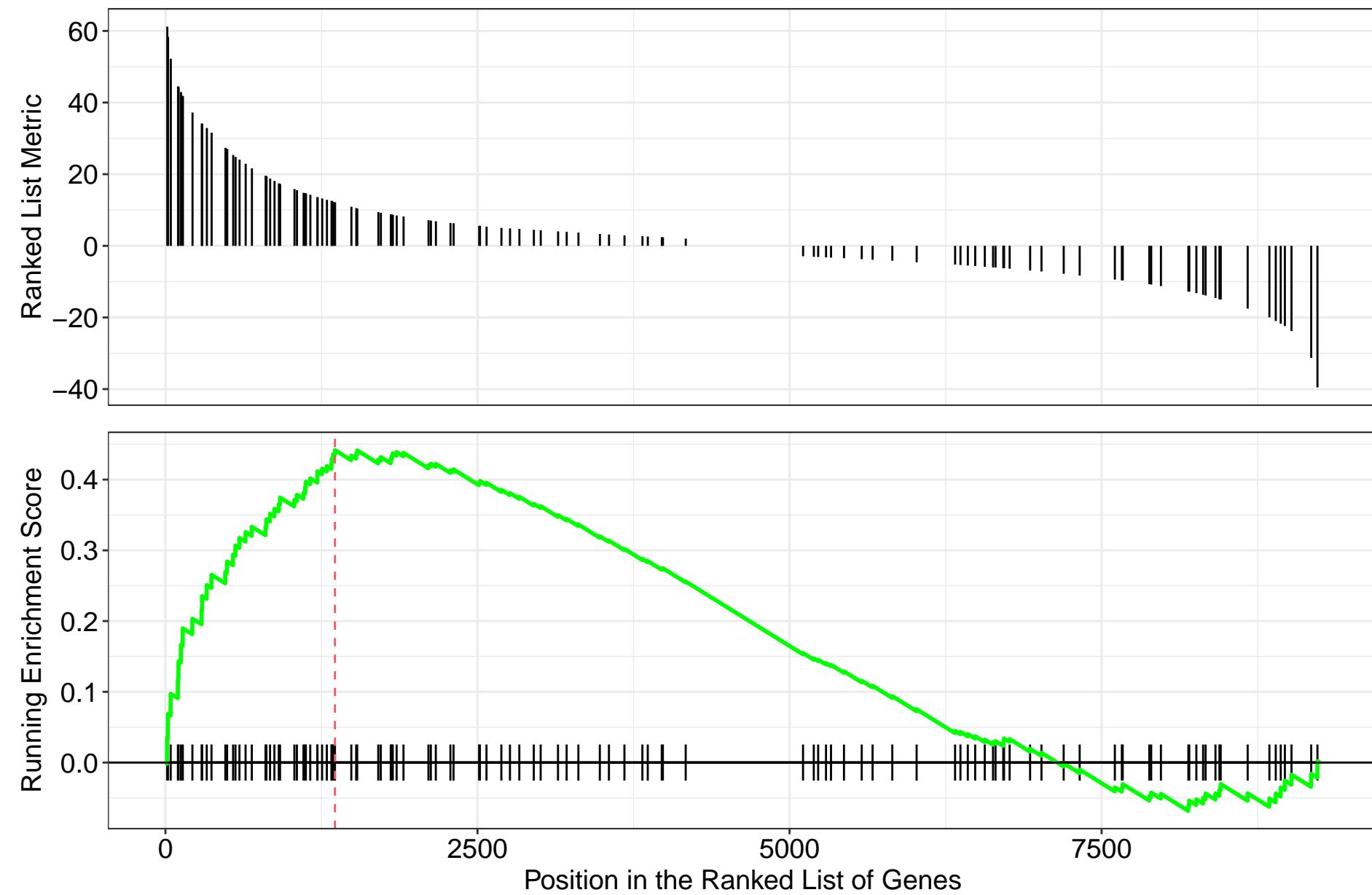
activation of immune response



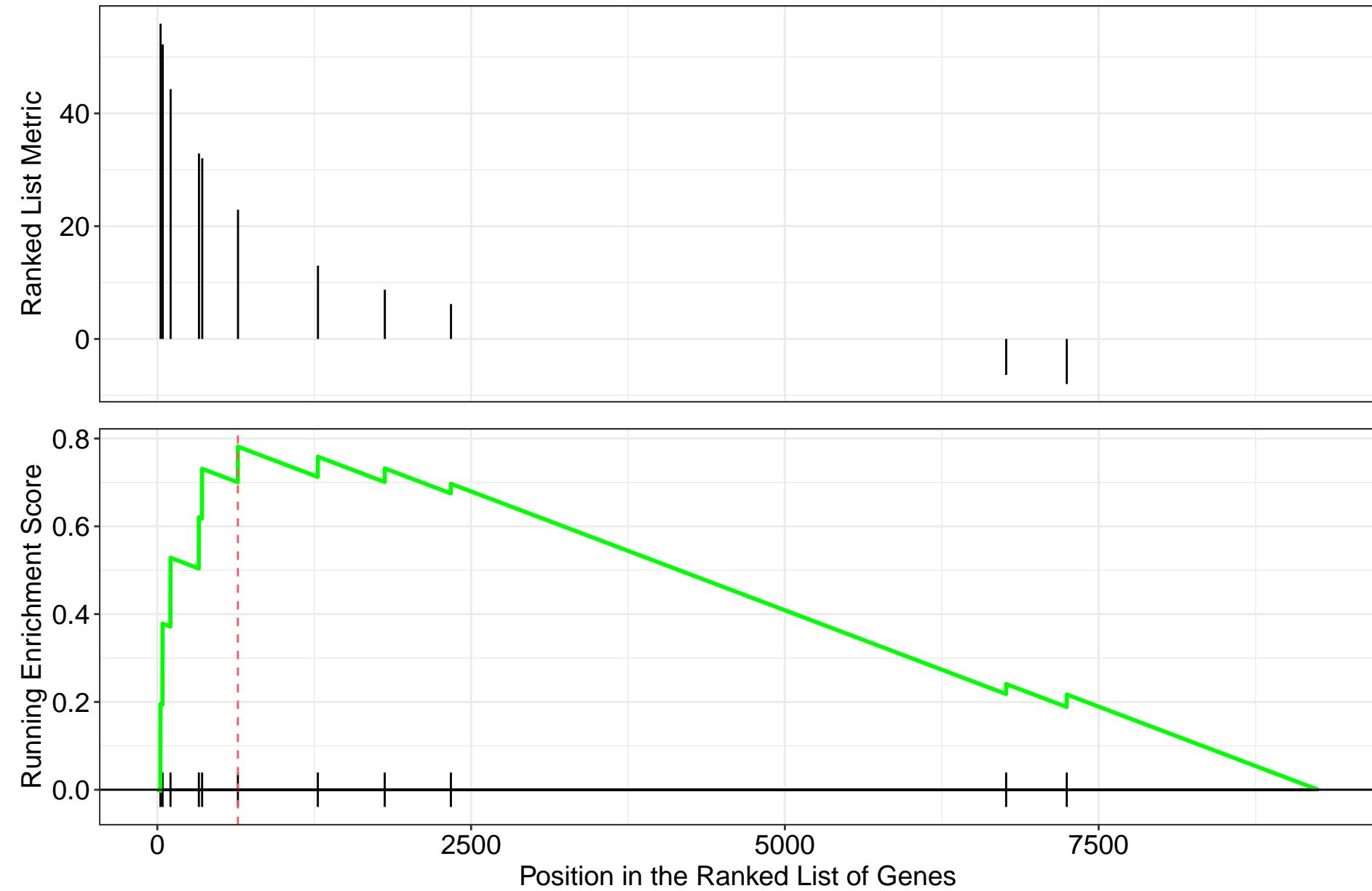
regulation of mitotic cell cycle phase transition



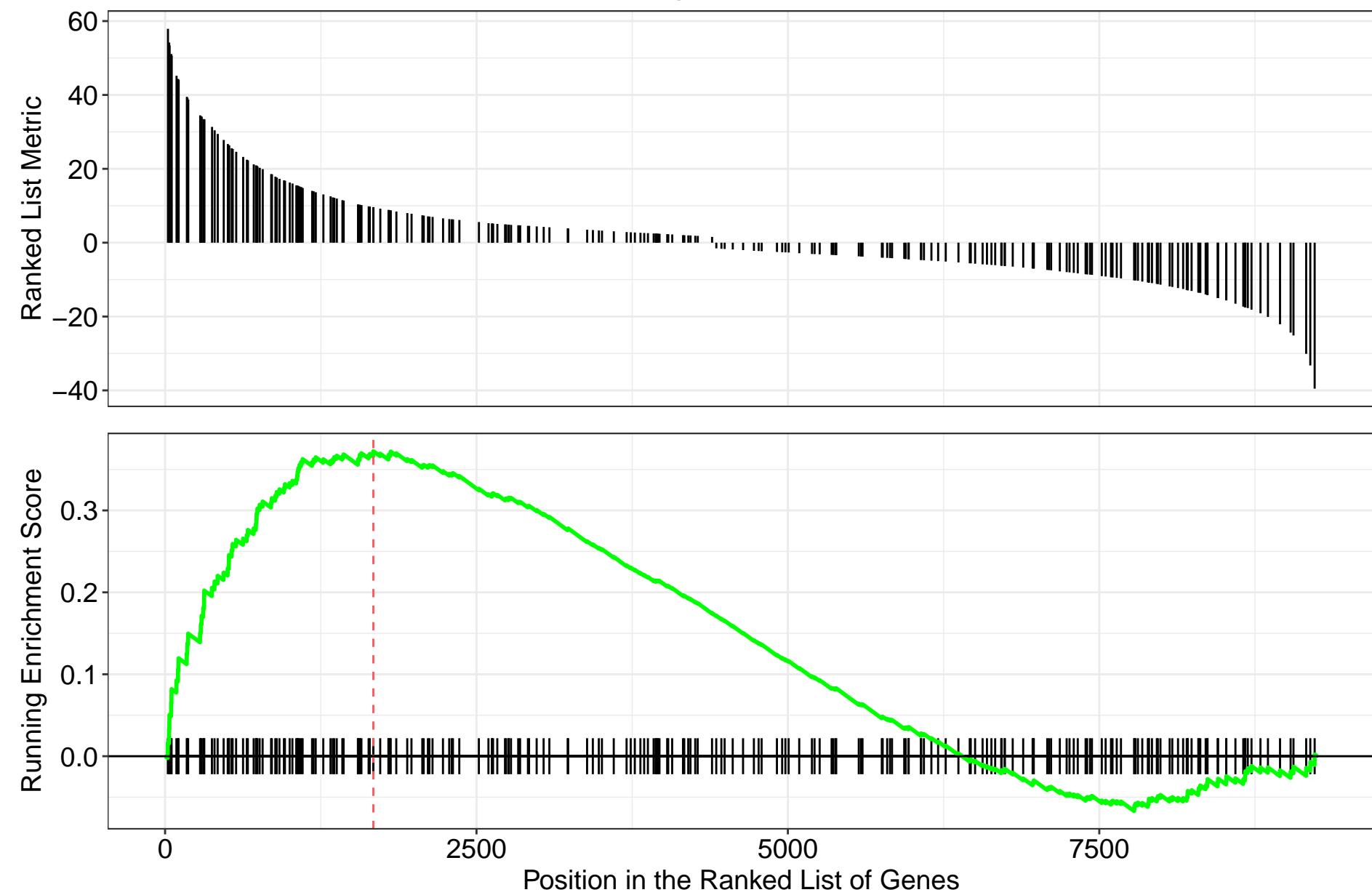
negative regulation of cell activation



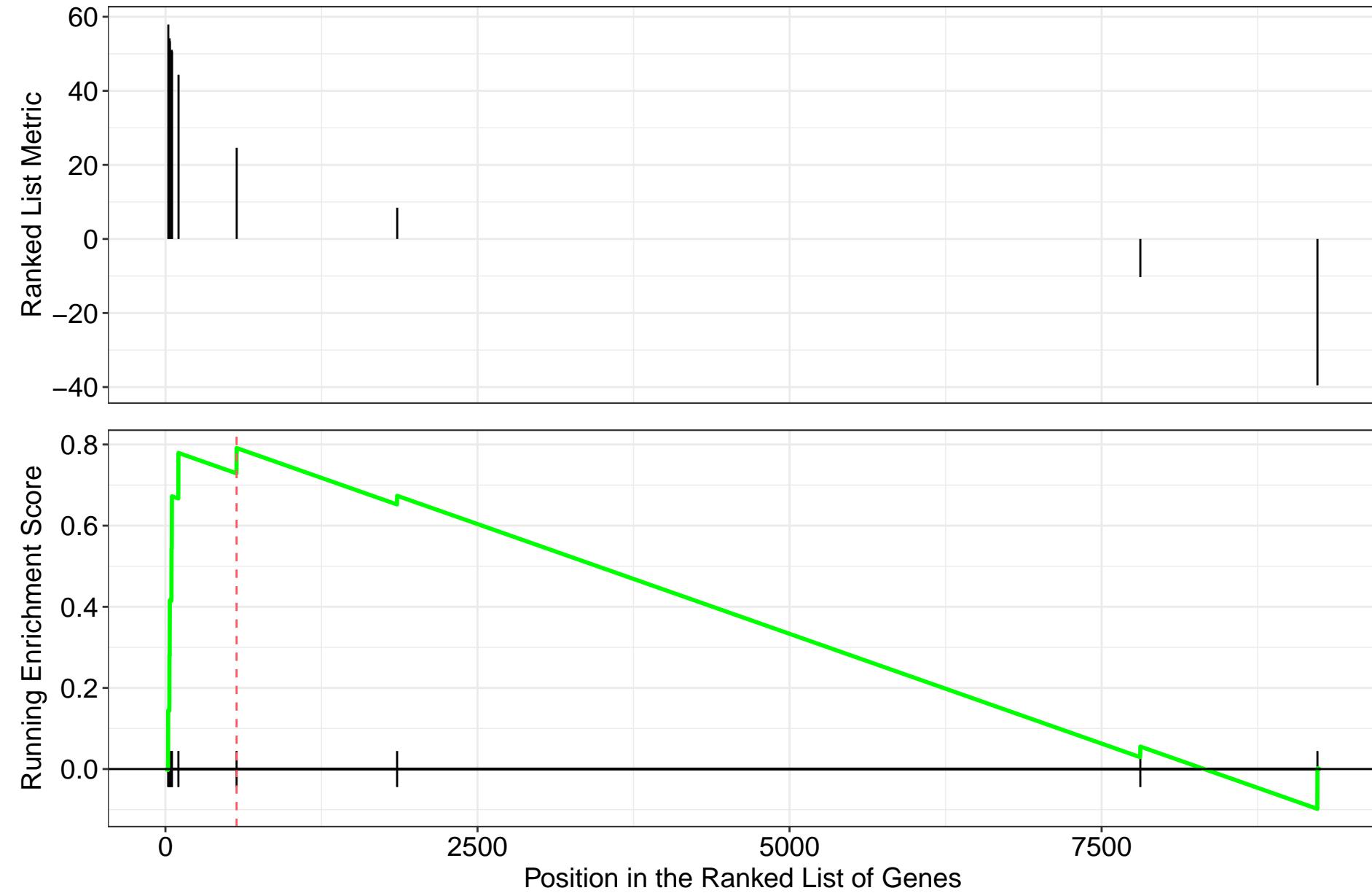
regulation of tolerance induction



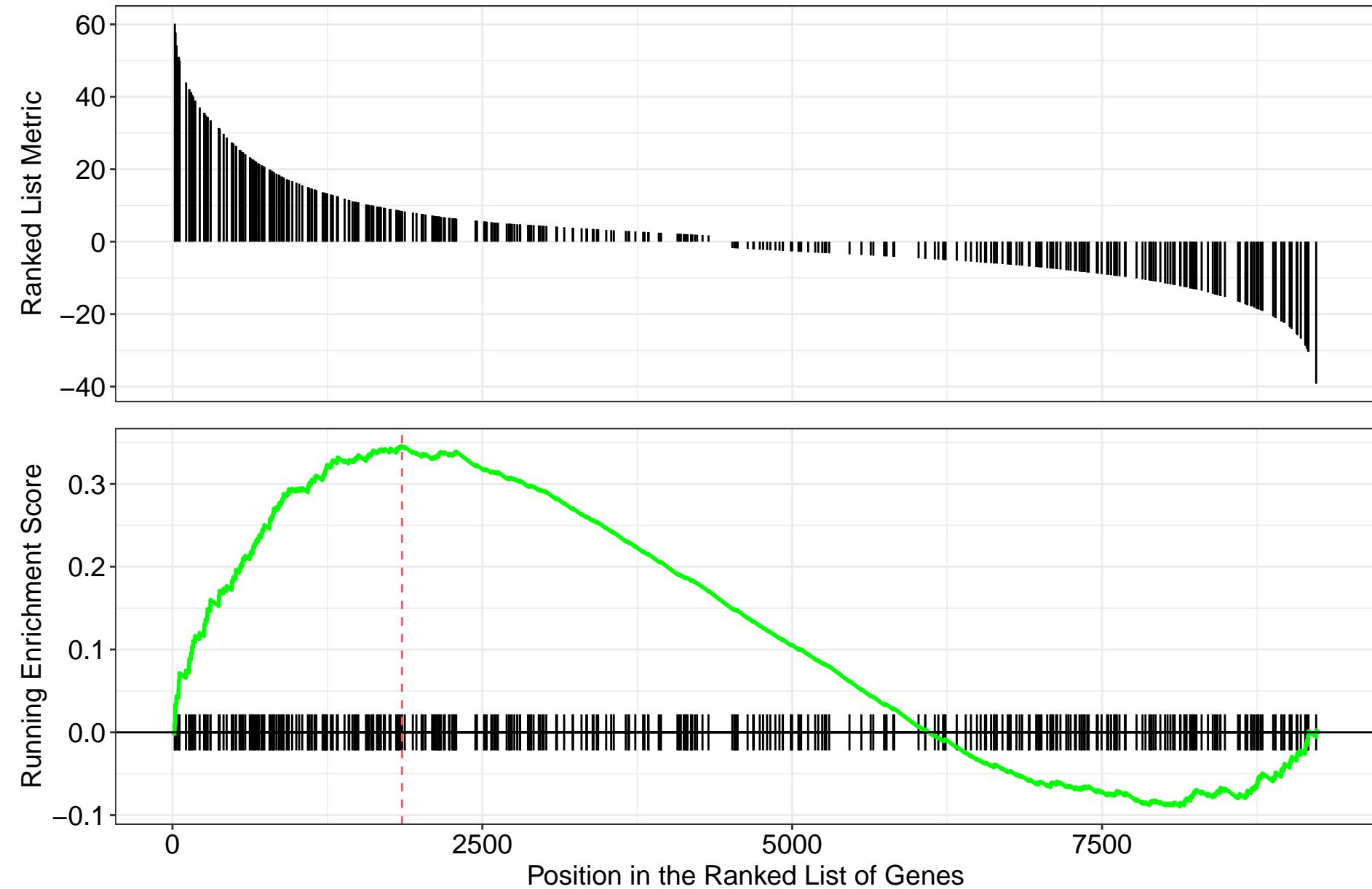
multicellular organismal homeostasis



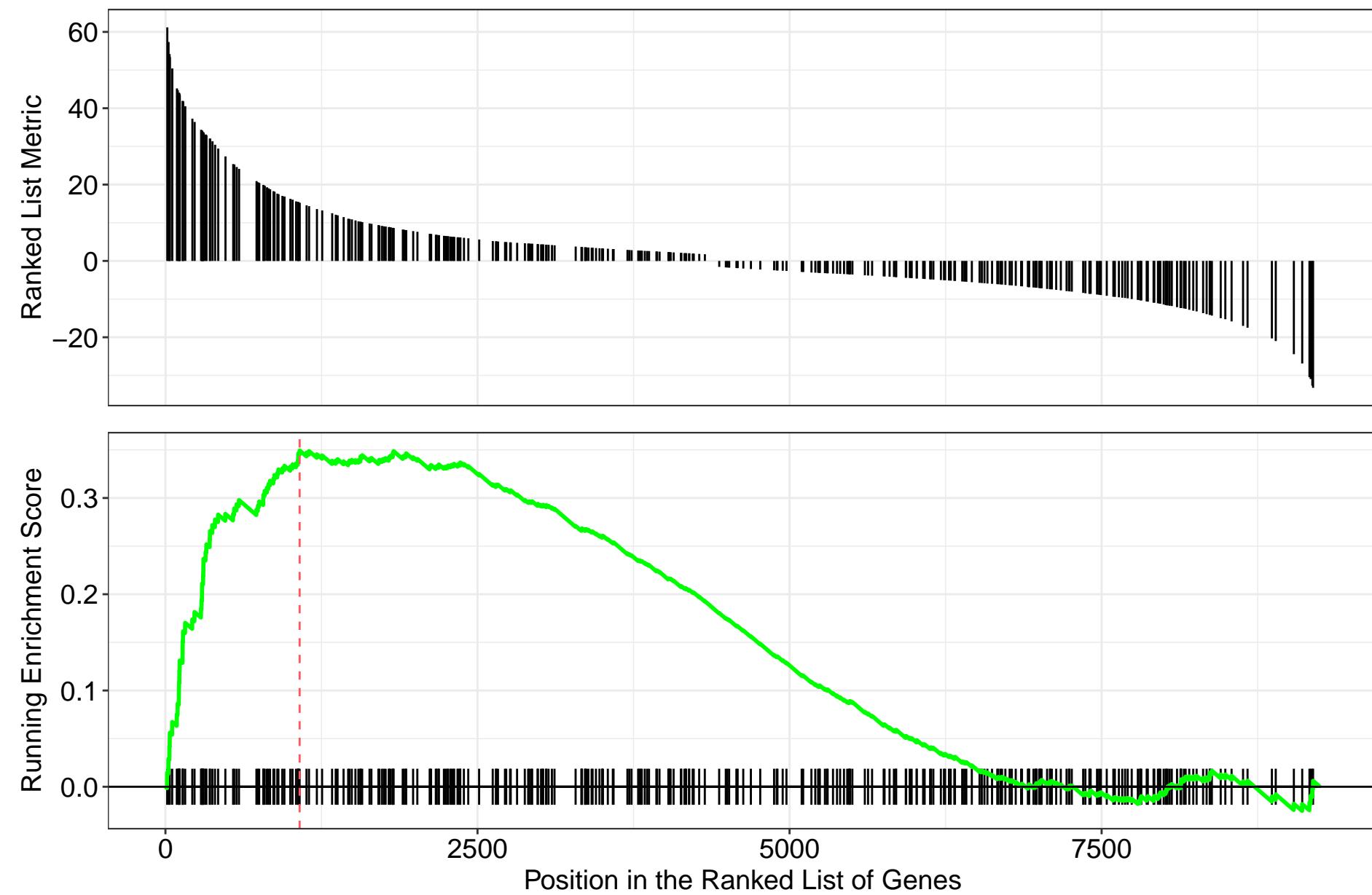
fever generation



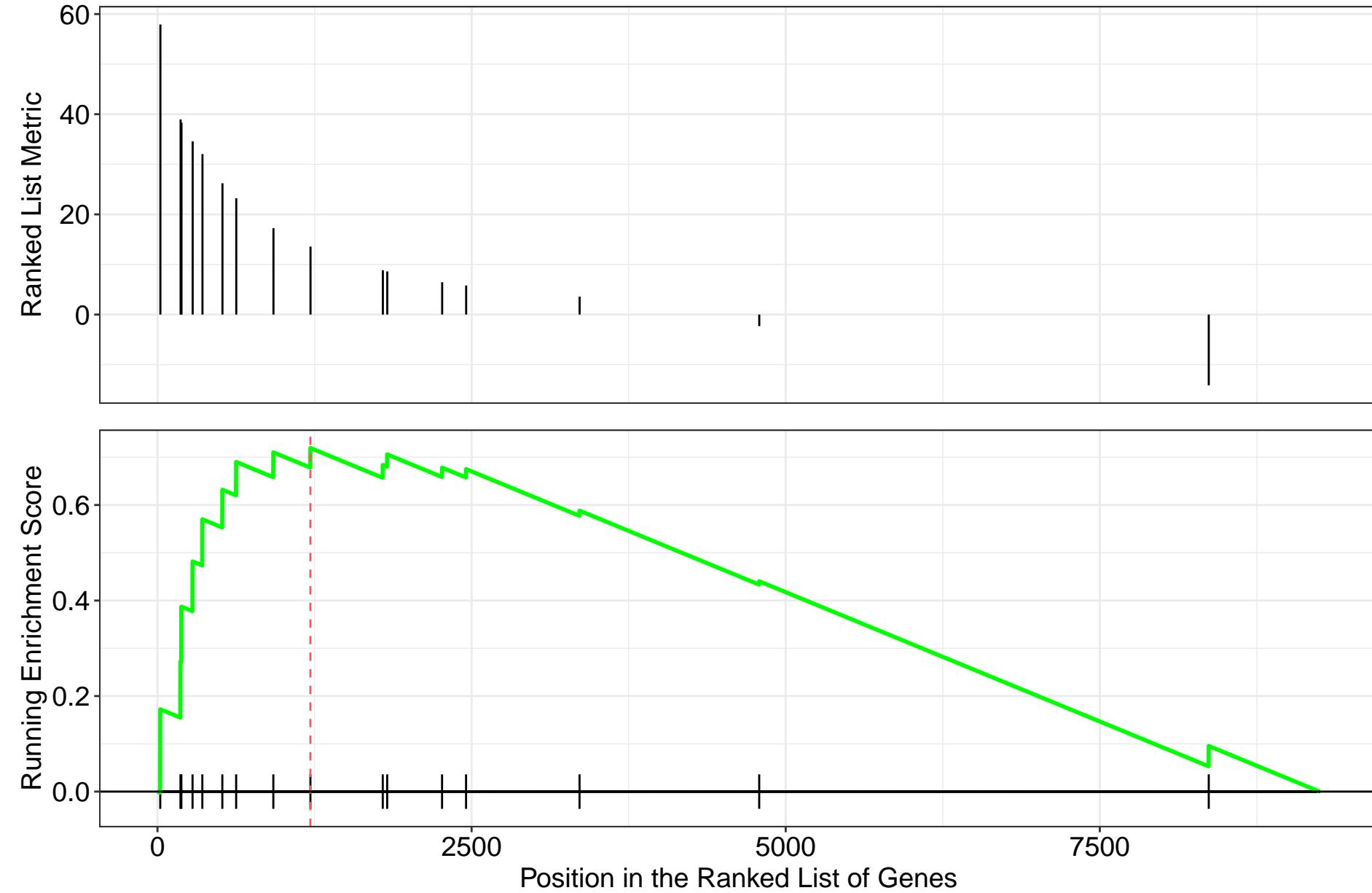
vasculature development



response to hormone

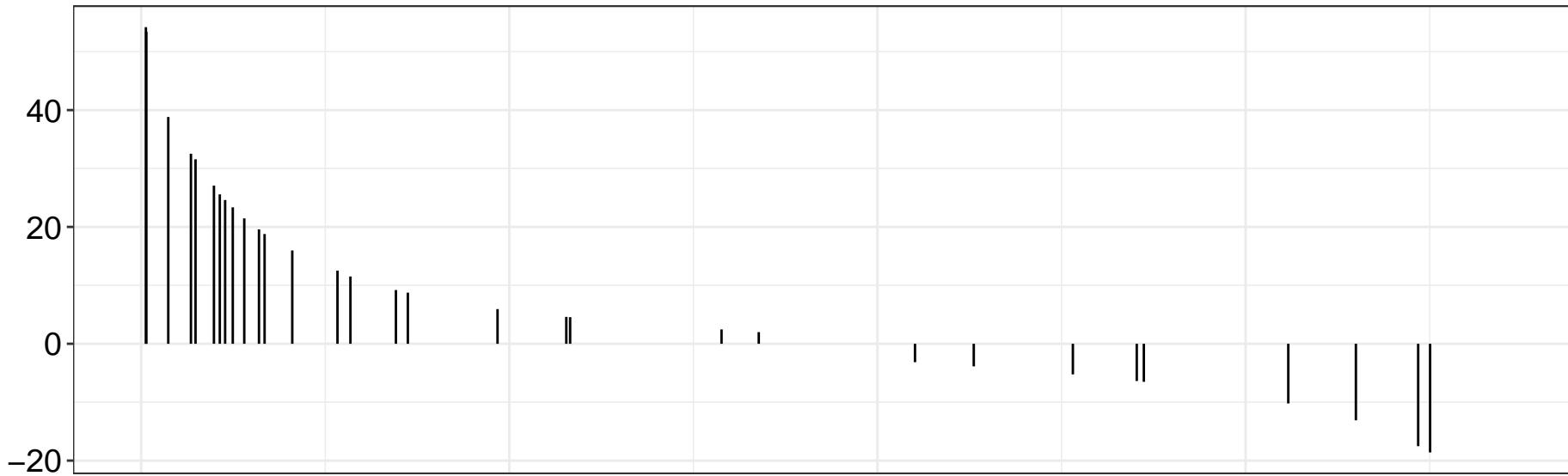


positive regulation of macrophage chemotaxis

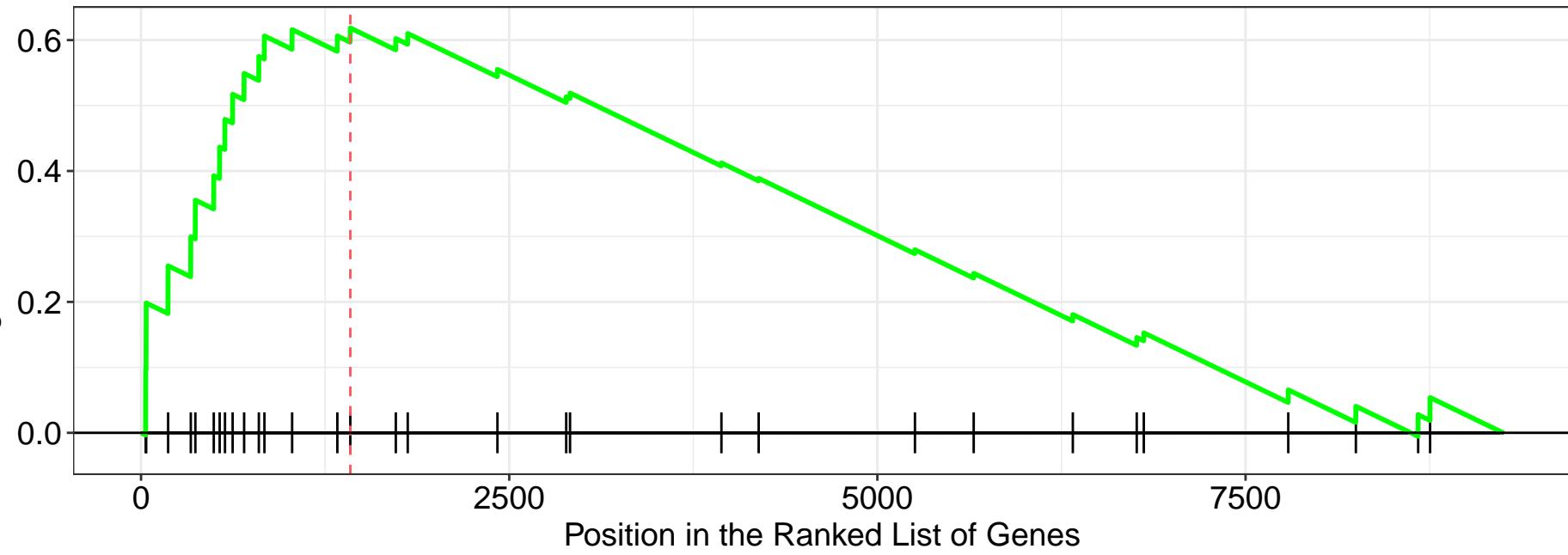


heterotypic cell–cell adhesion

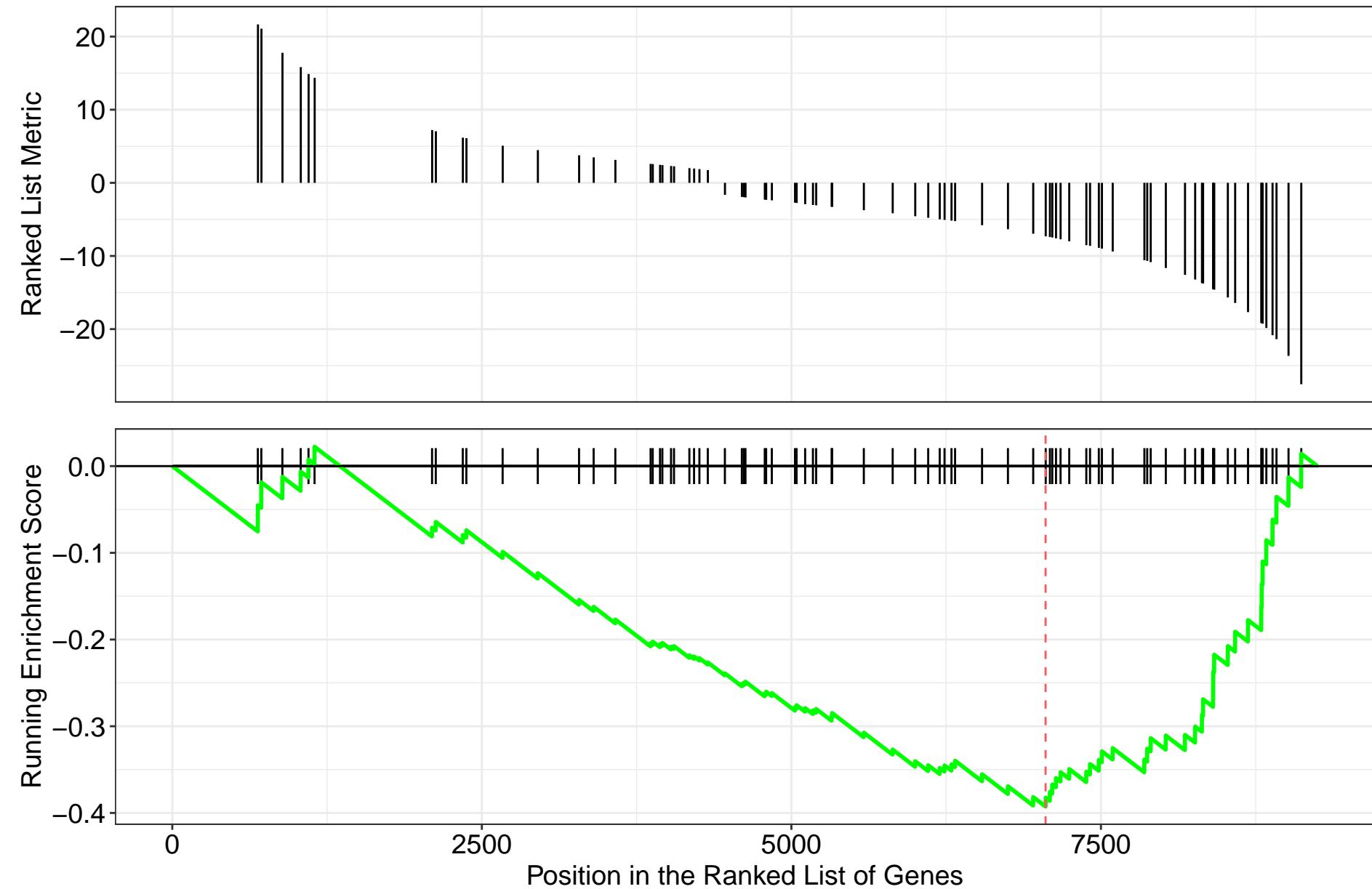
Ranked List Metric



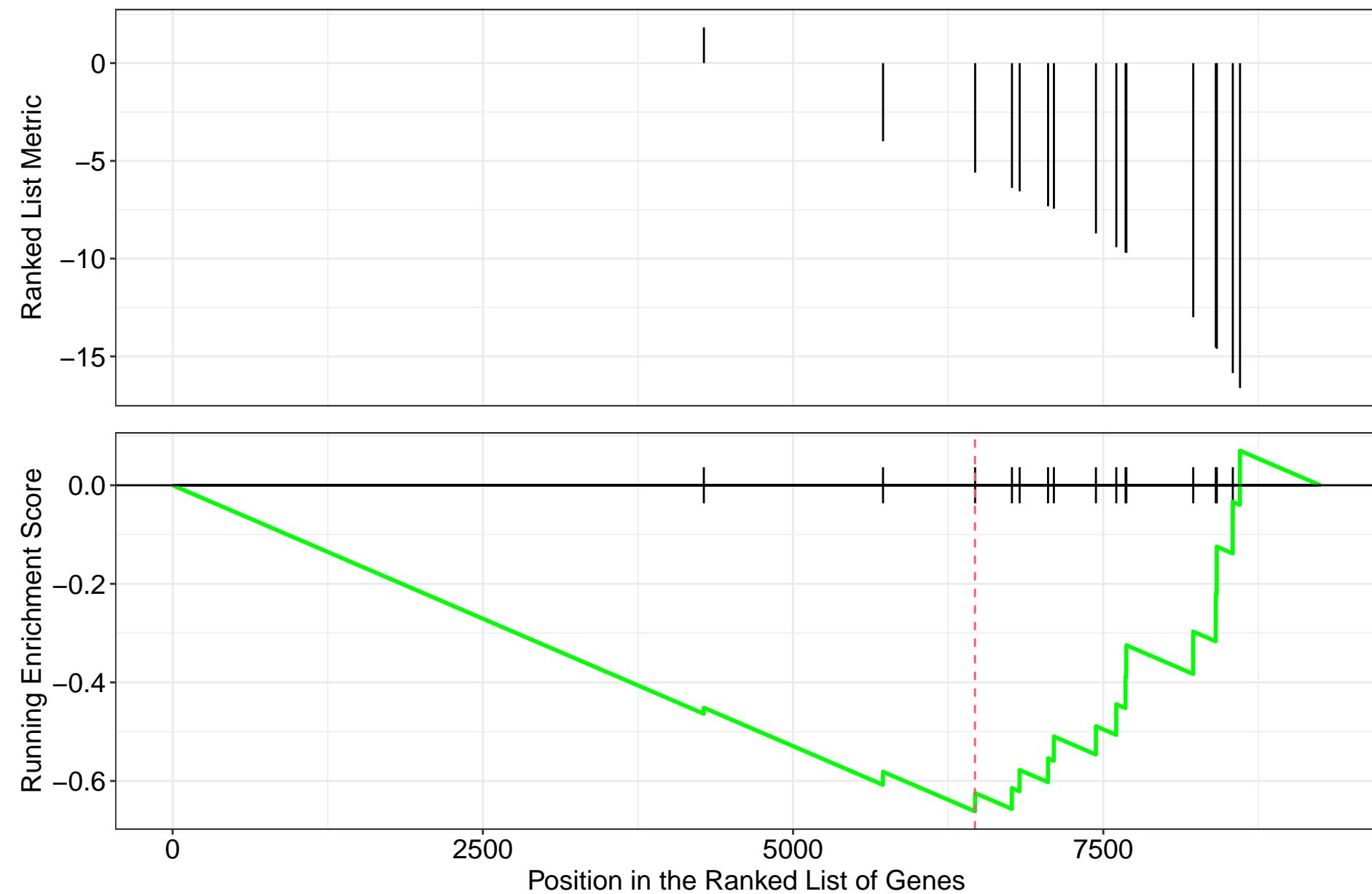
Running Enrichment Score



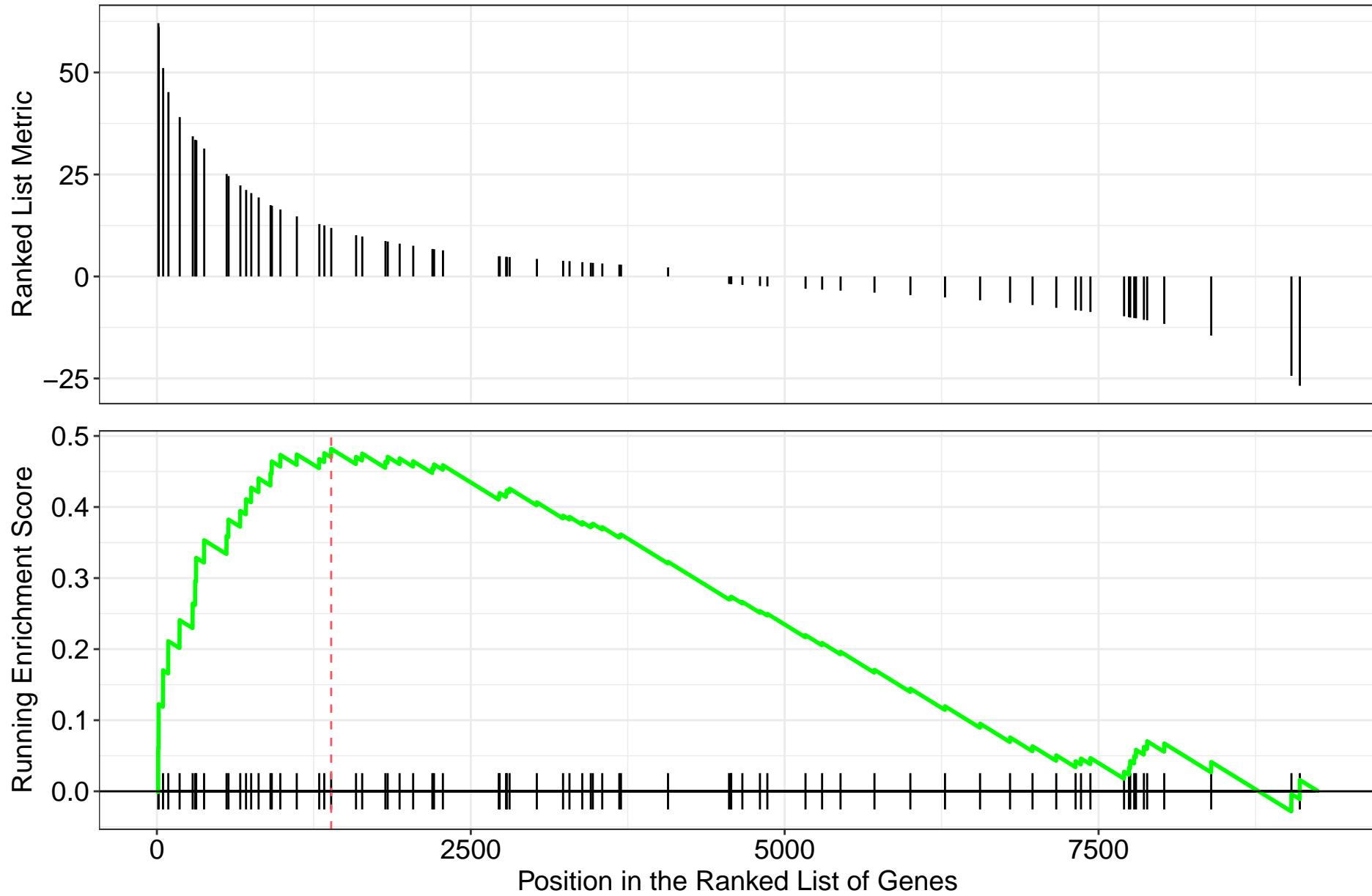
DNA integrity checkpoint signaling



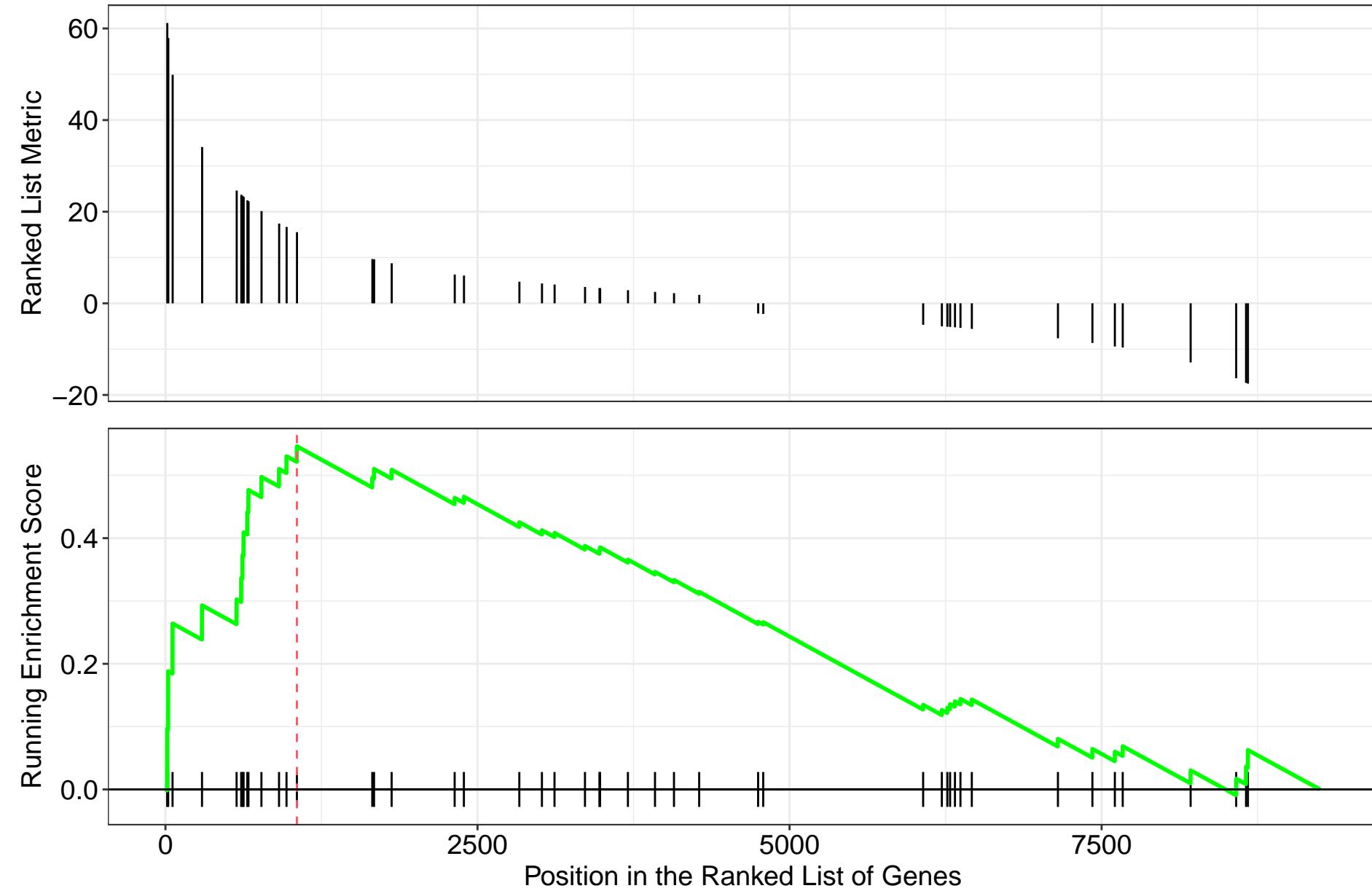
DNA unwinding involved in DNA replication



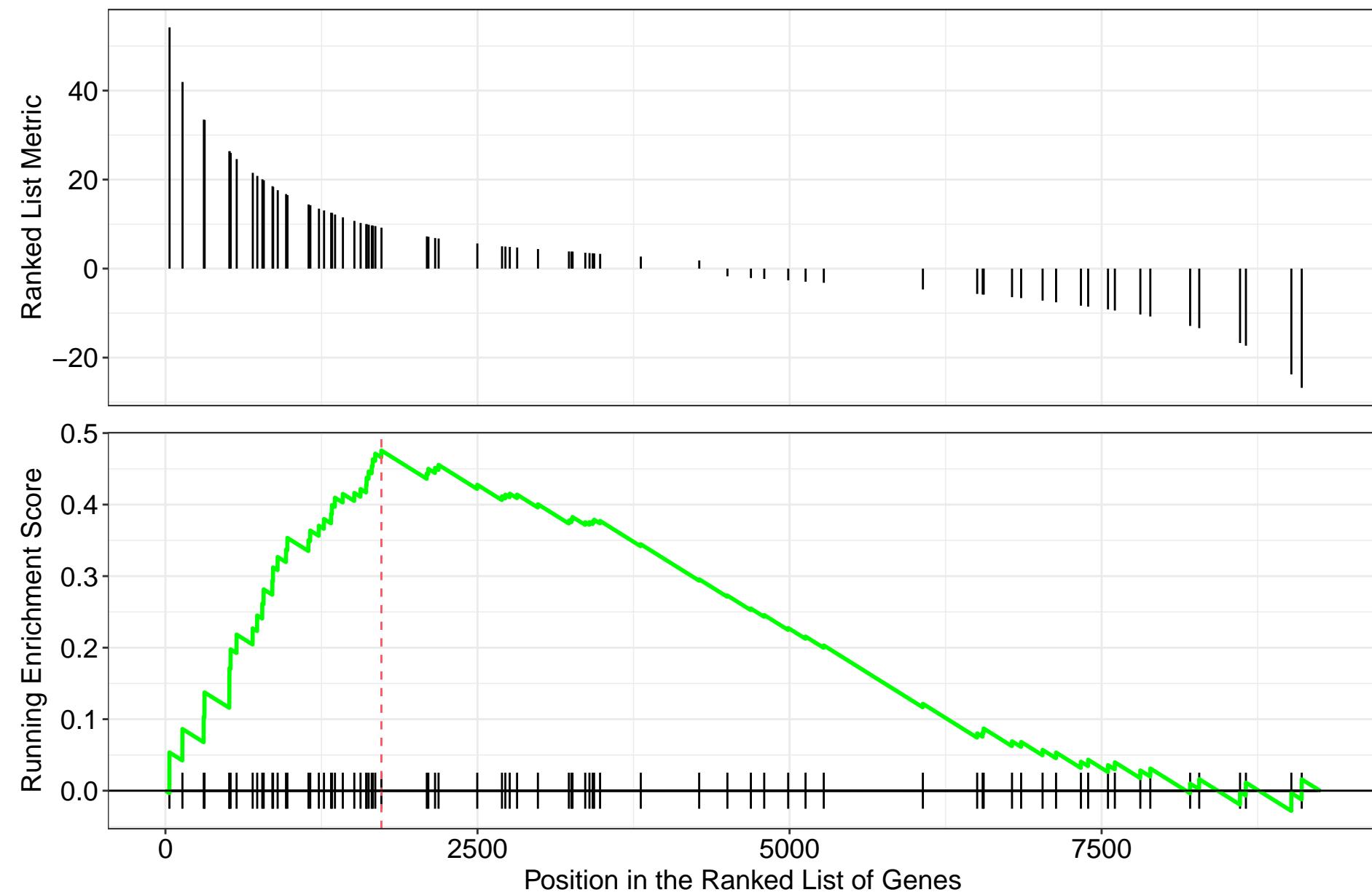
regulation of peptidyl–serine phosphorylation



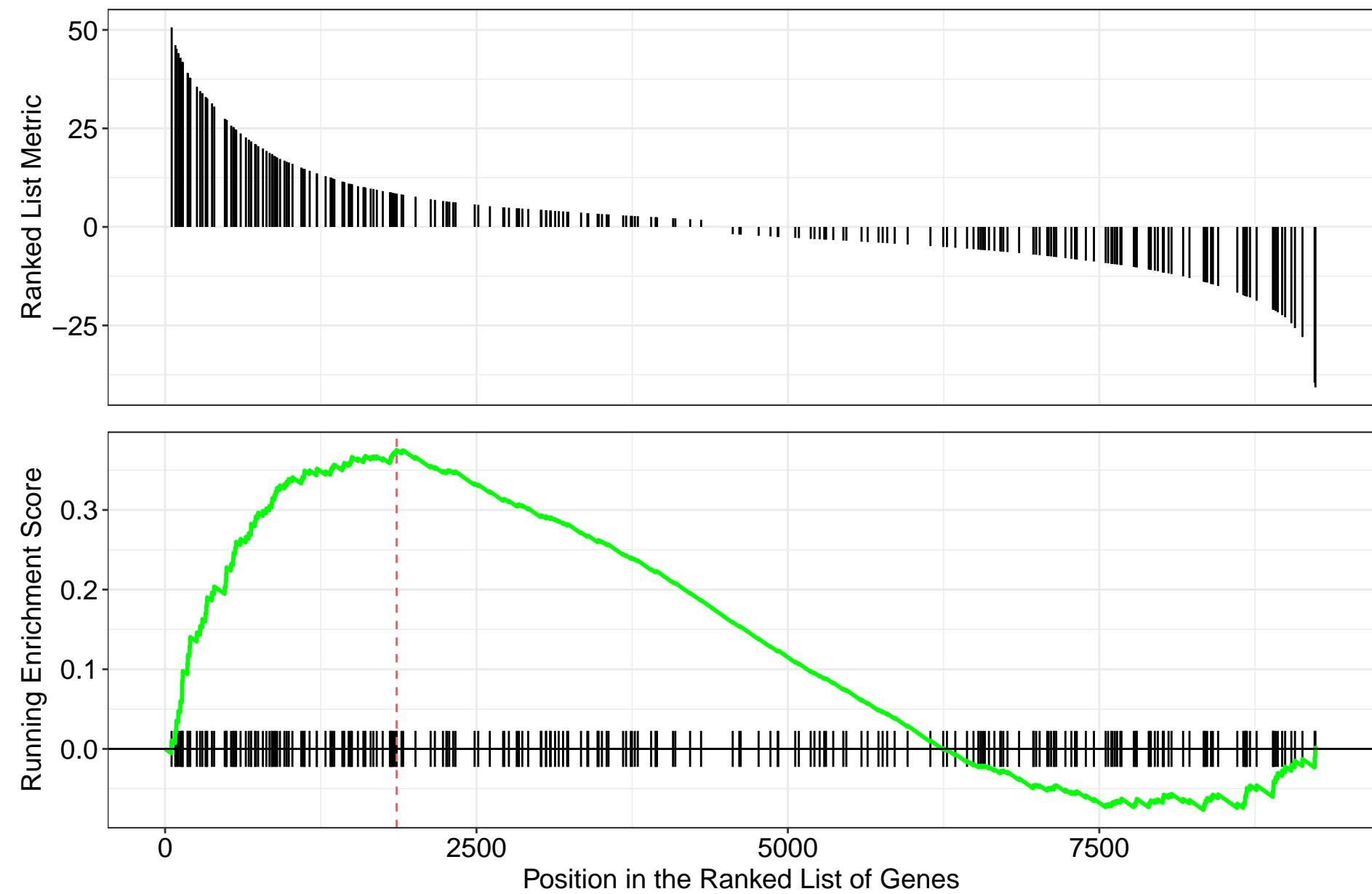
regulation of osteoclast differentiation



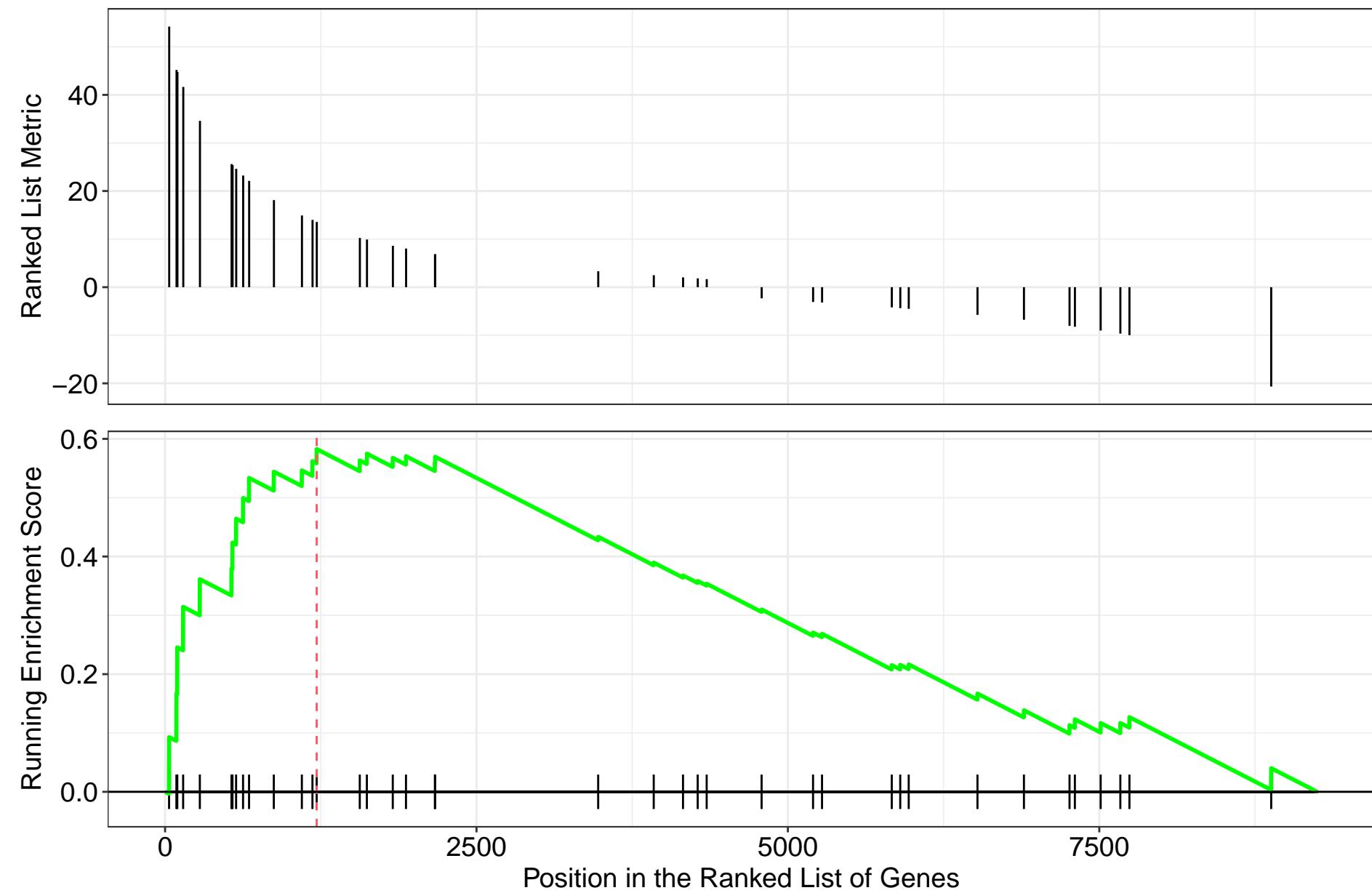
endothelium development



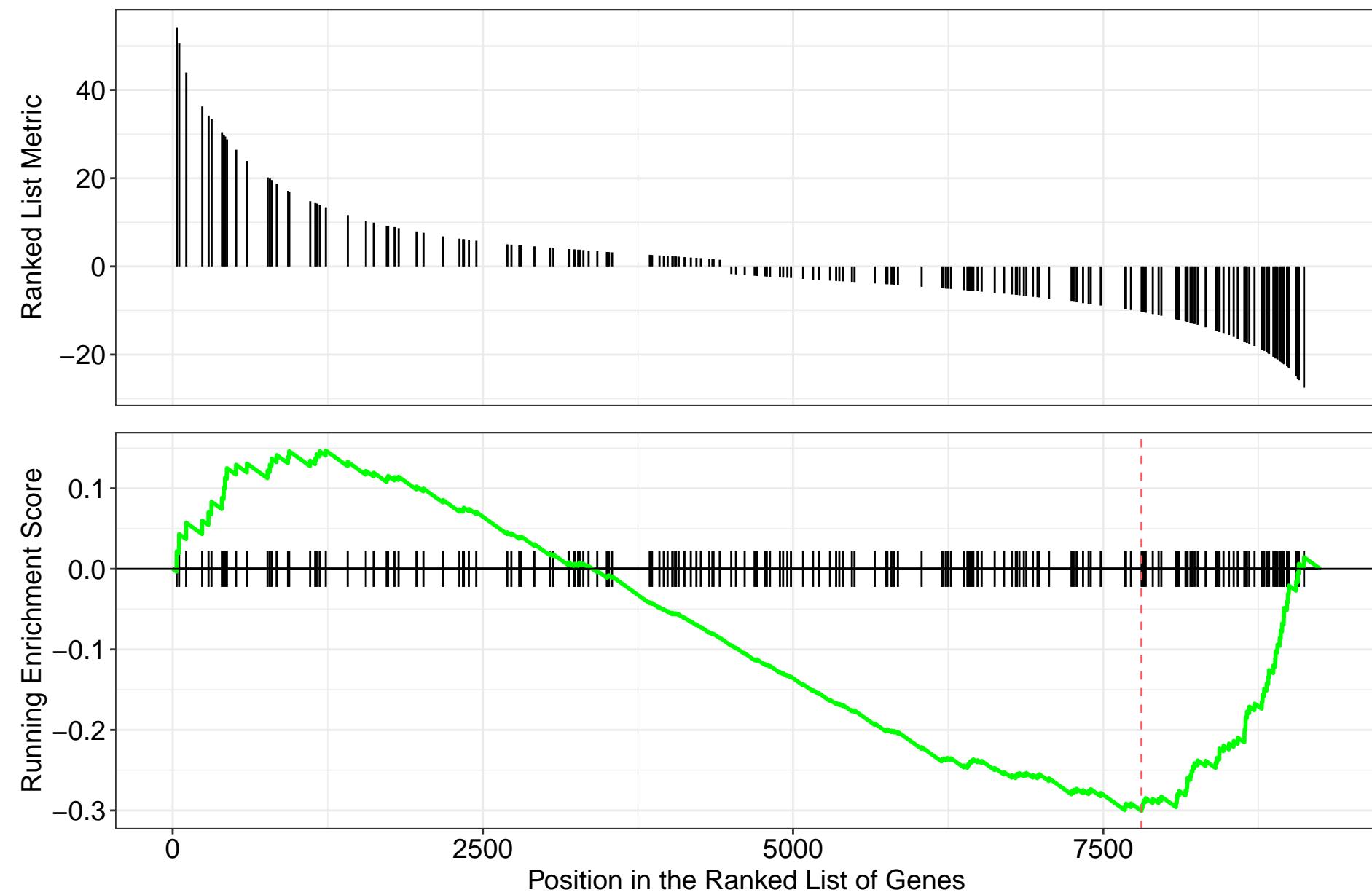
response to wounding



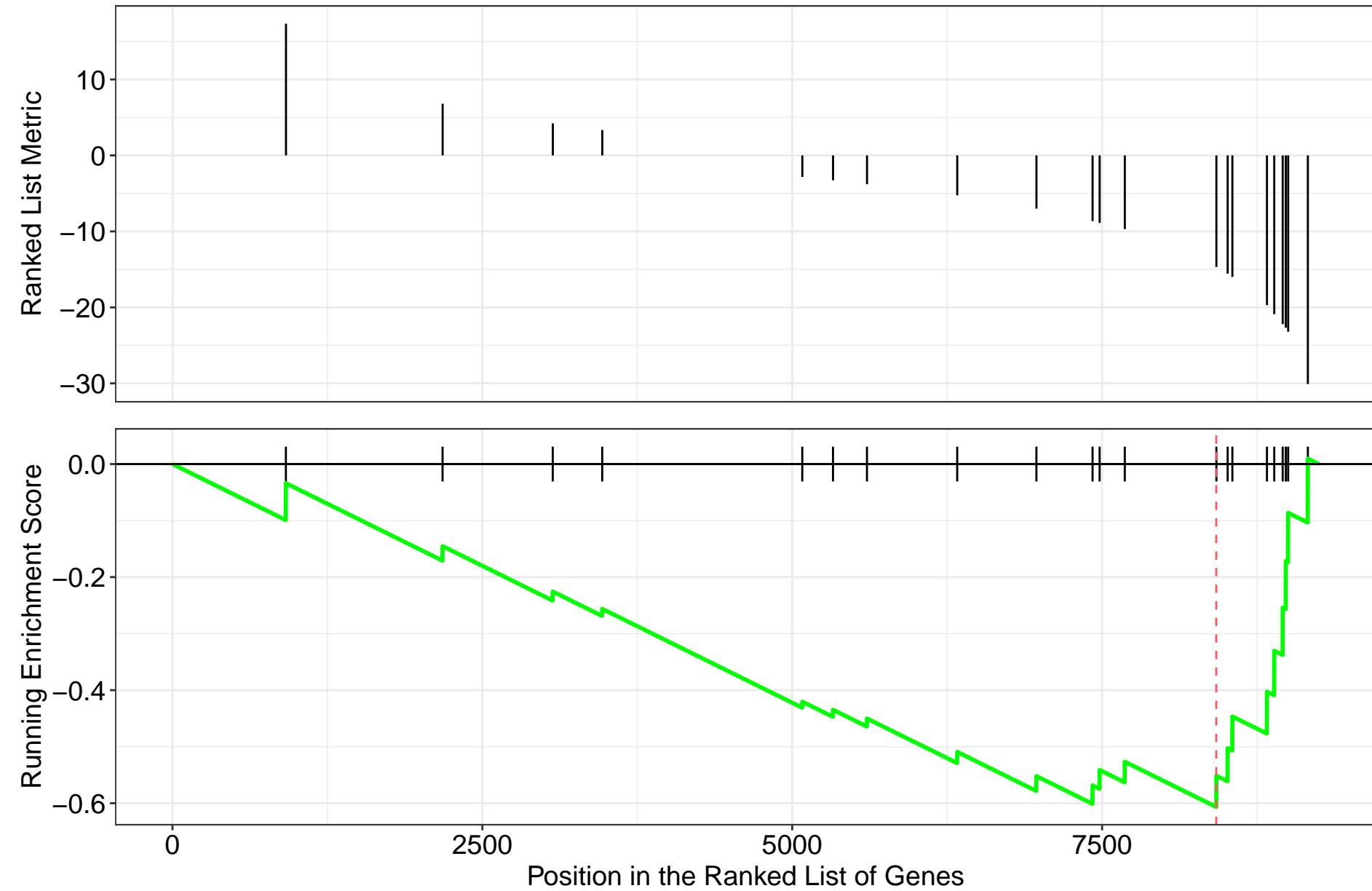
glial cell proliferation



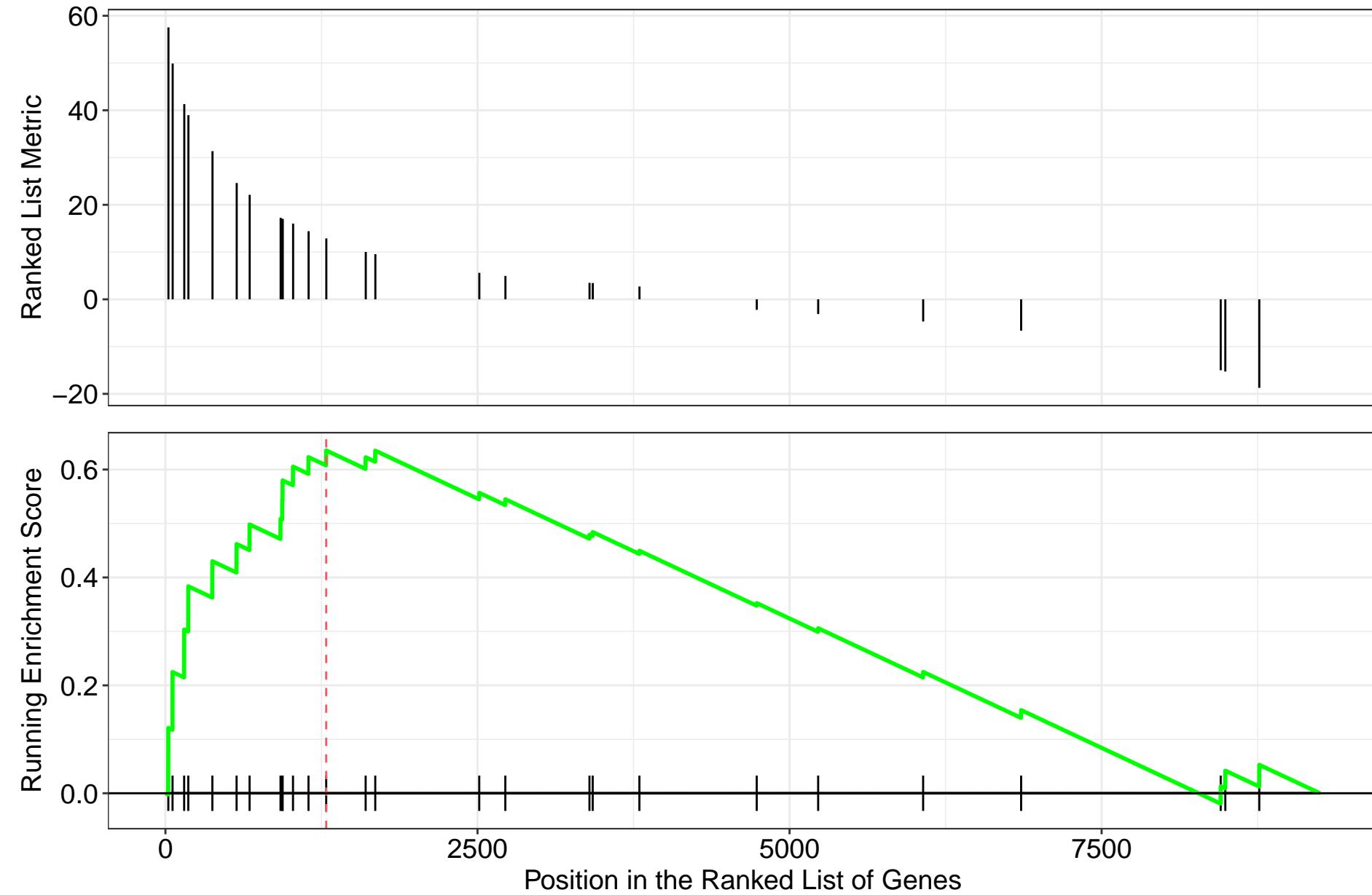
positive regulation of cell cycle



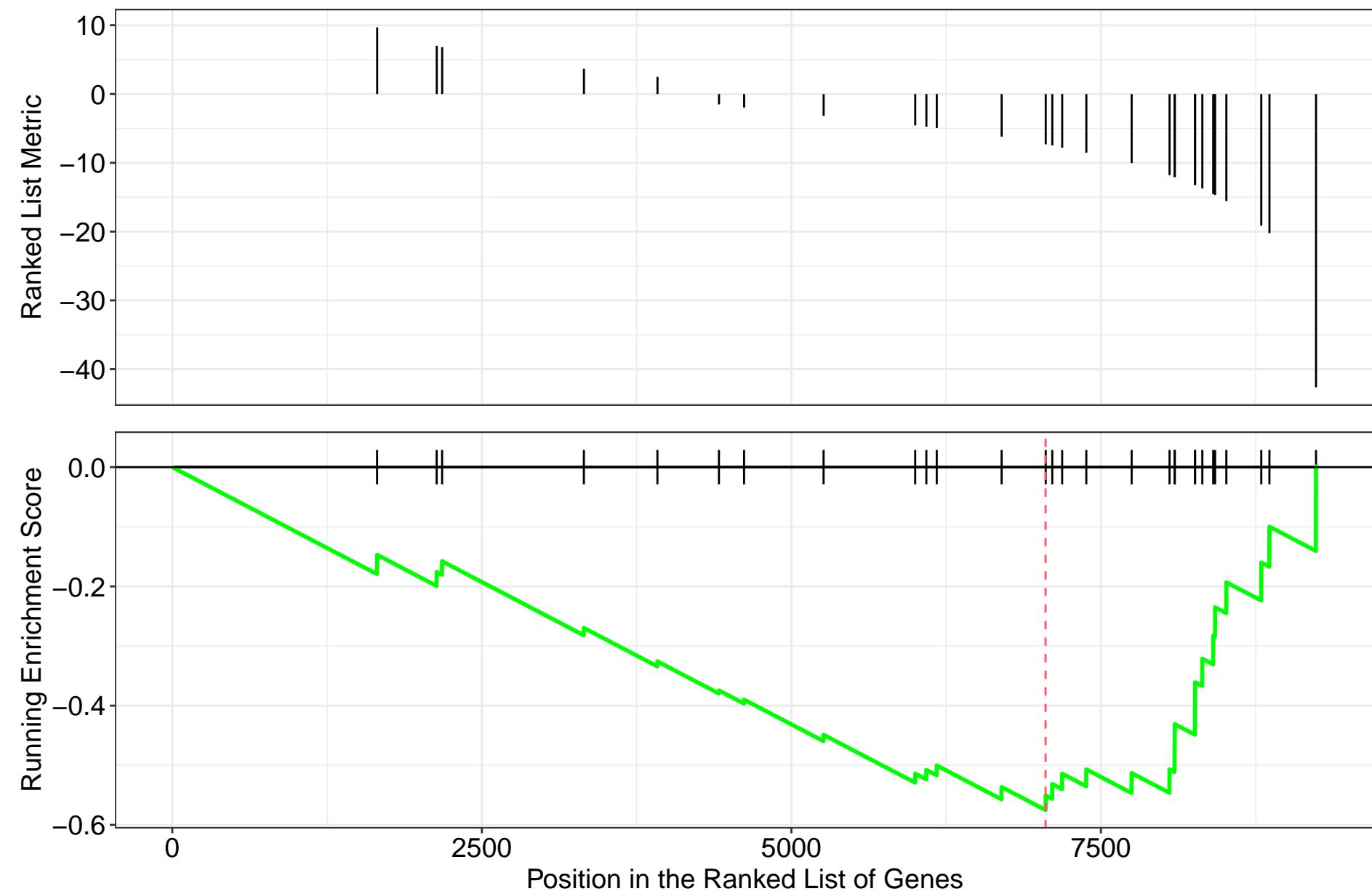
regulation of meiotic cell cycle



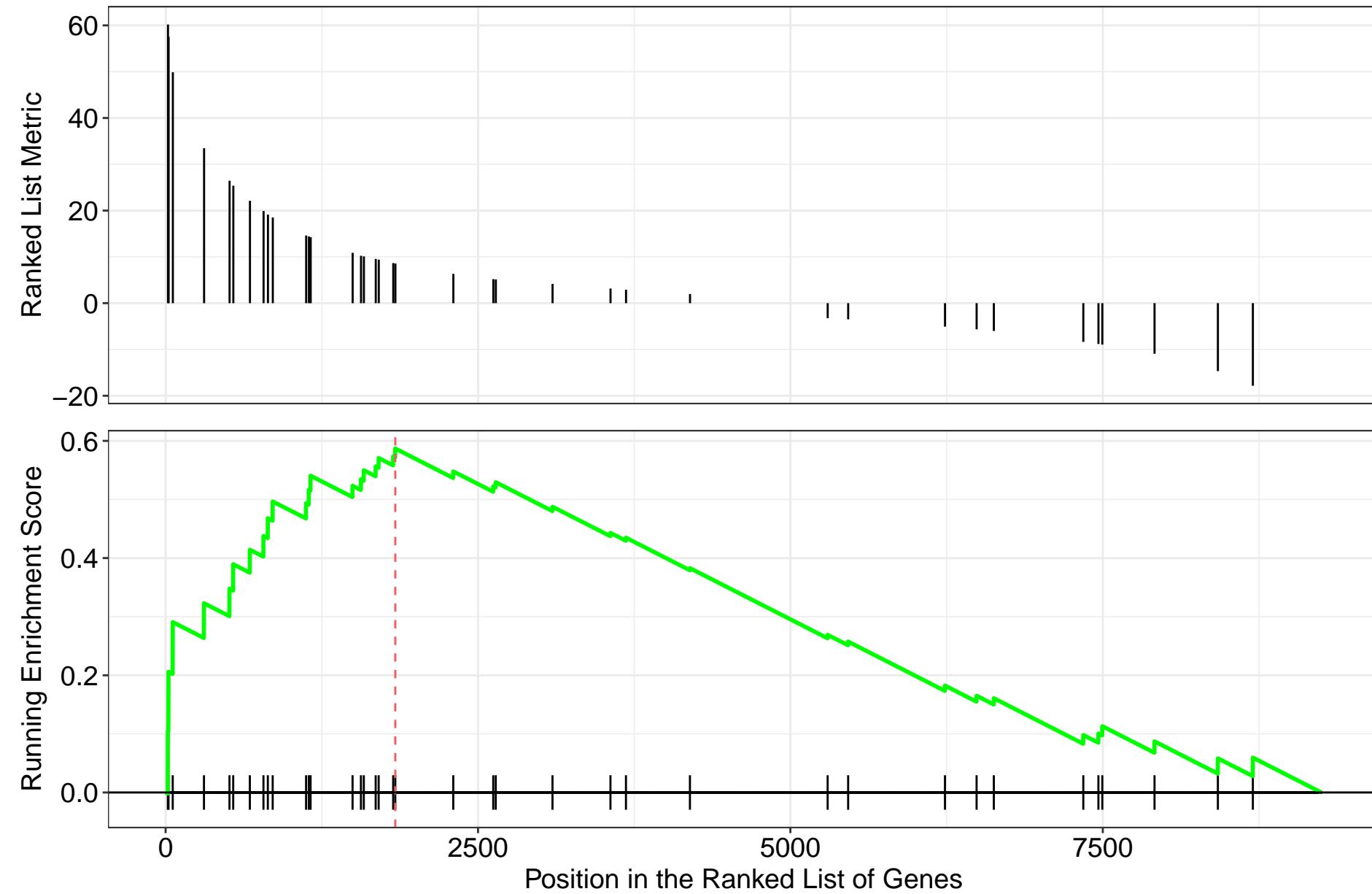
negative regulation of endothelial cell proliferation



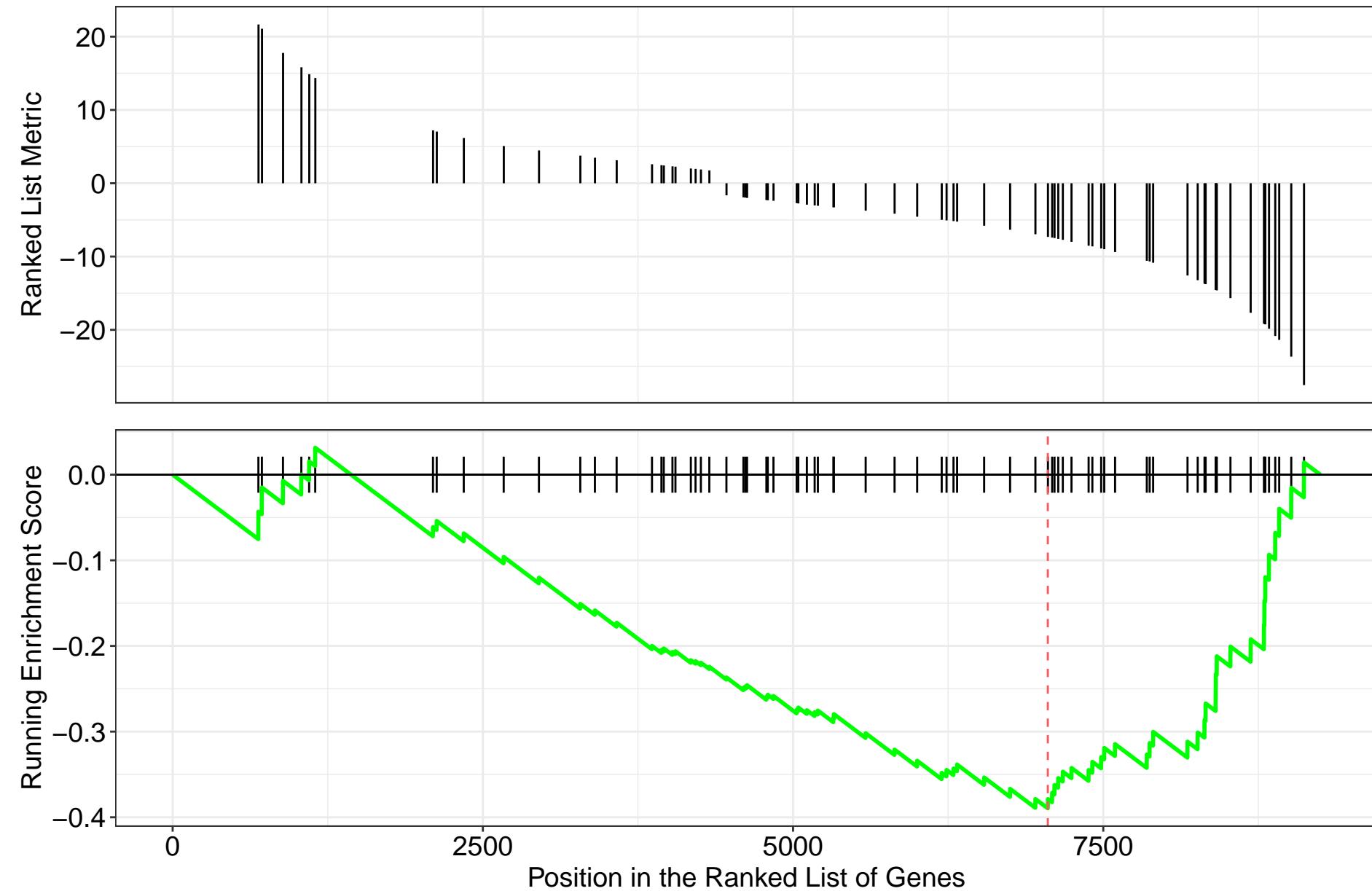
homologous recombination



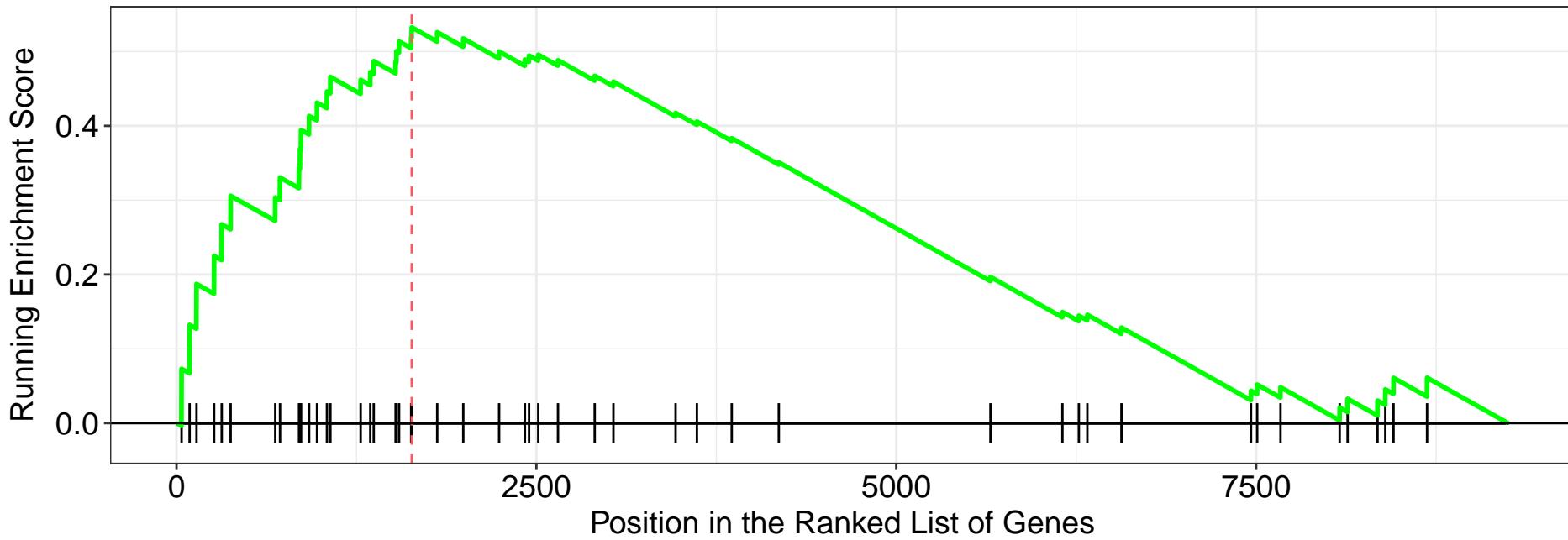
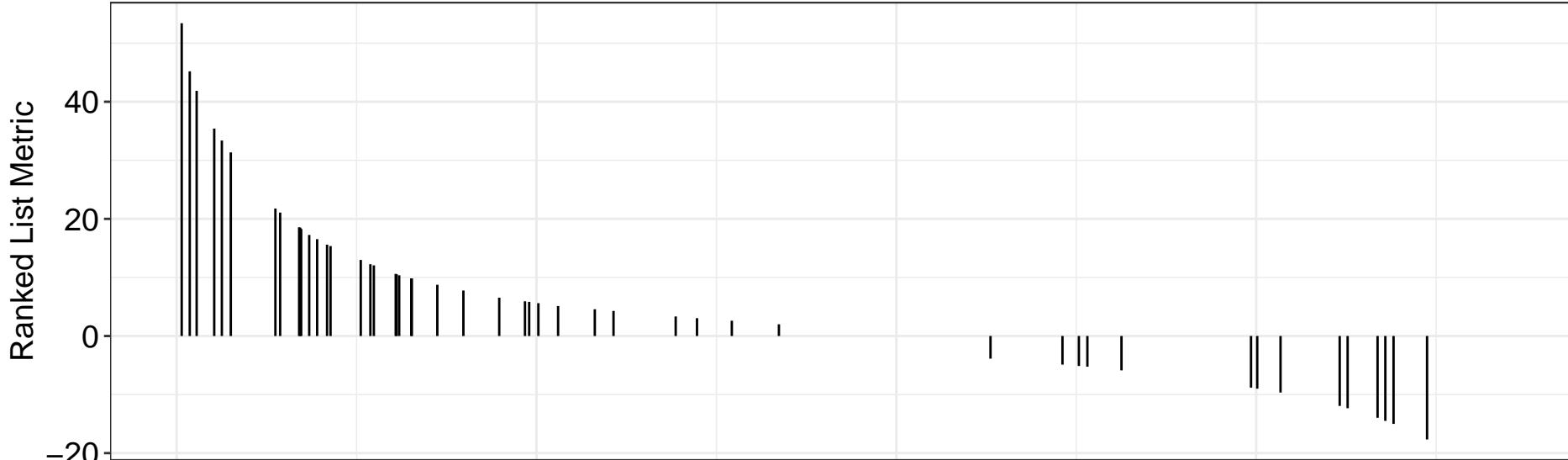
cellular response to vascular endothelial growth factor stimulus



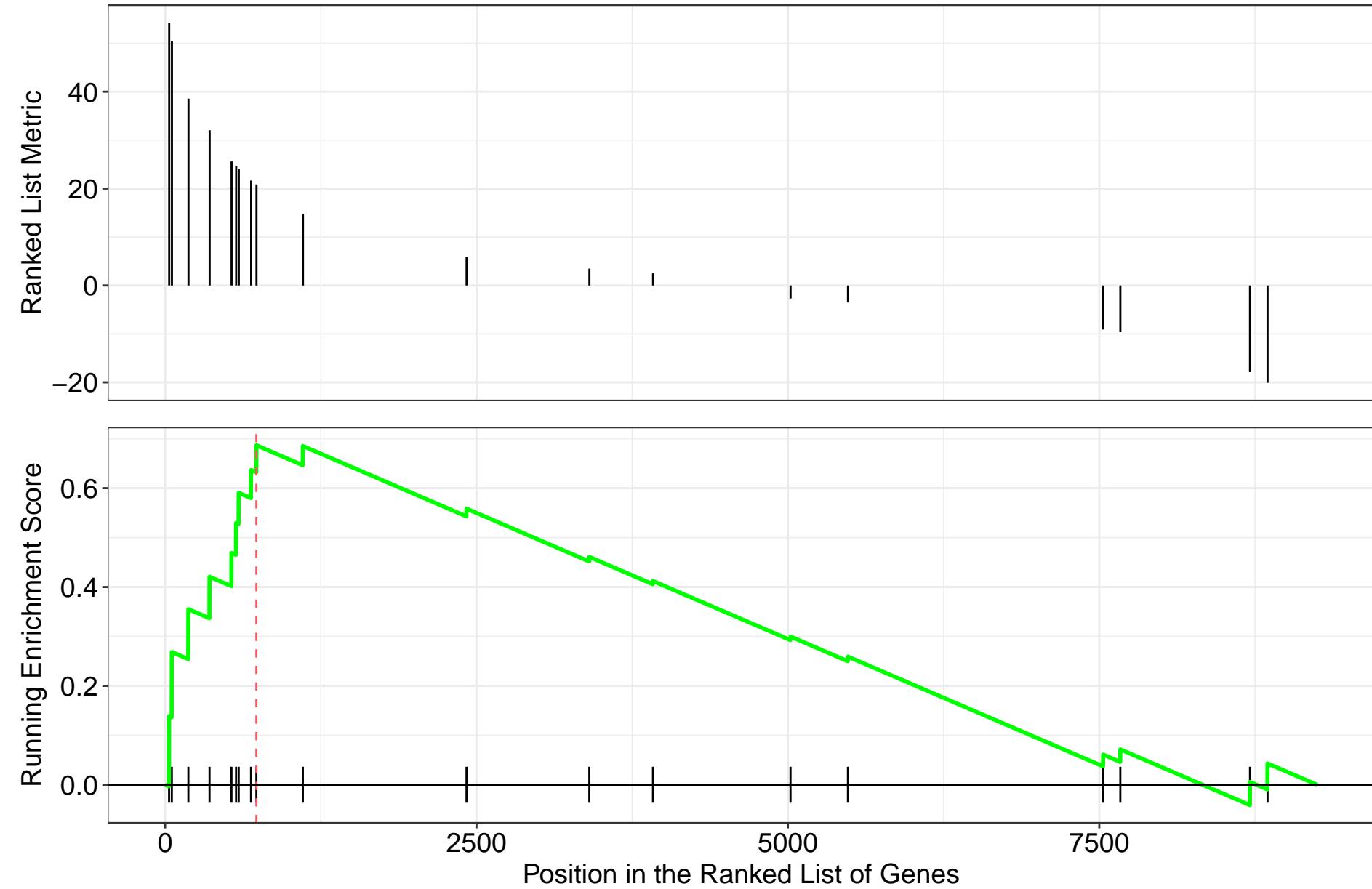
DNA damage checkpoint signaling



negative regulation of response to cytokine stimulus

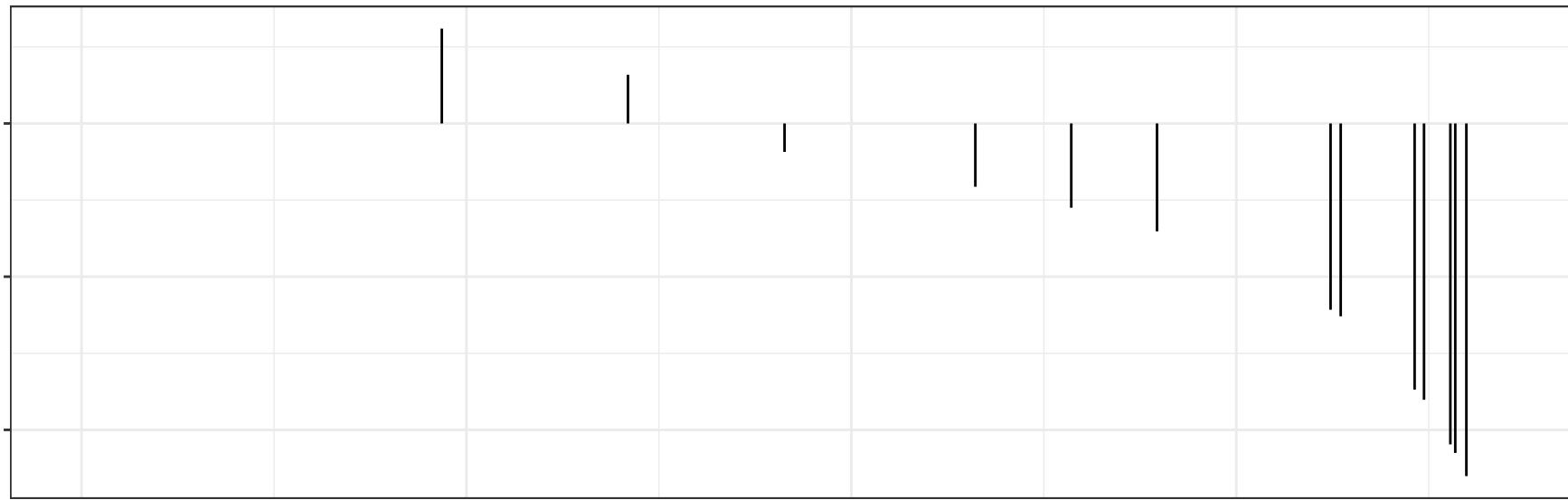


regulation of humoral immune response



attachment of mitotic spindle microtubules to kinetochore

Ranked List Metric



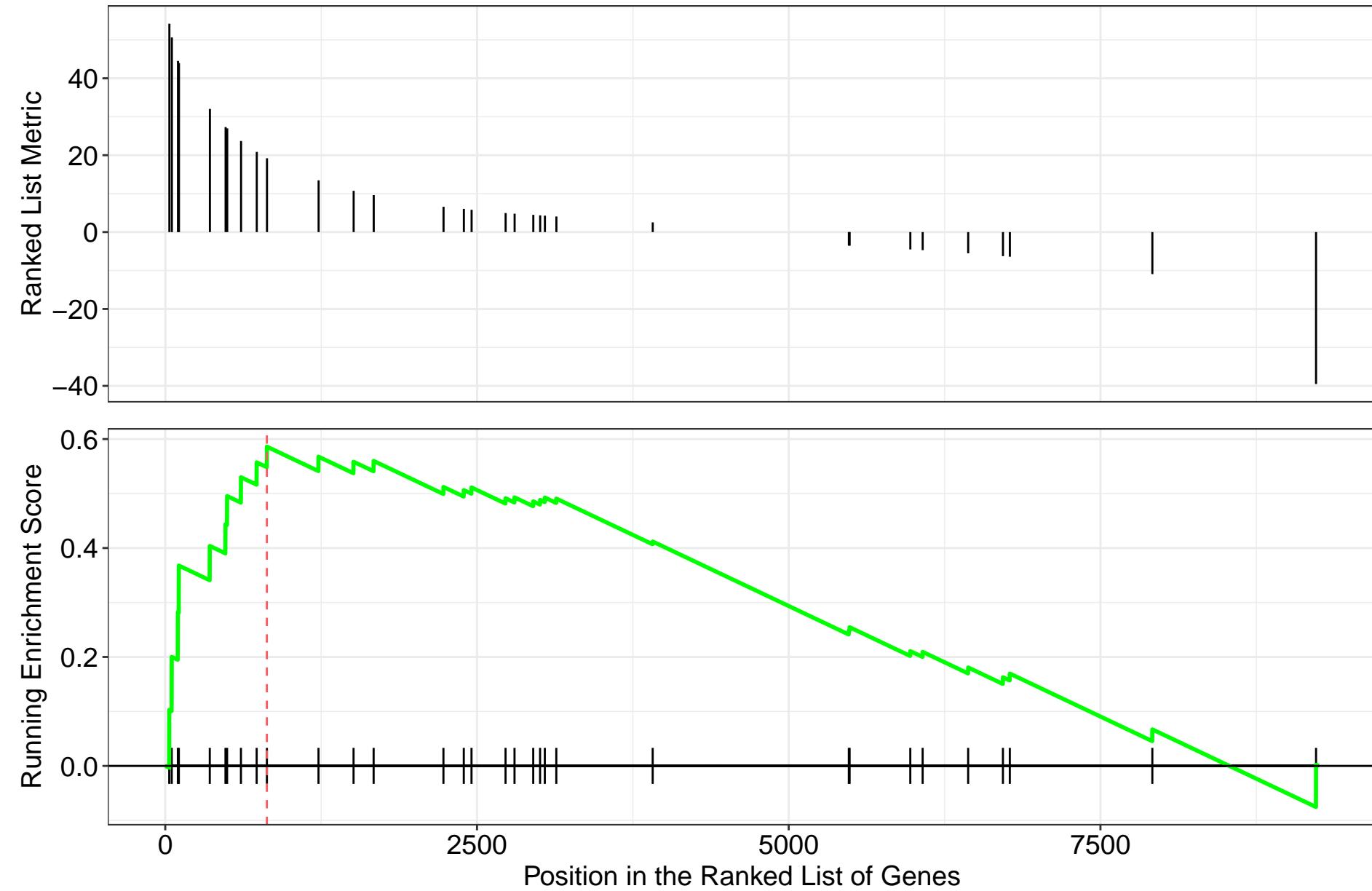
Running Enrichment Score

0 2500 5000 7500

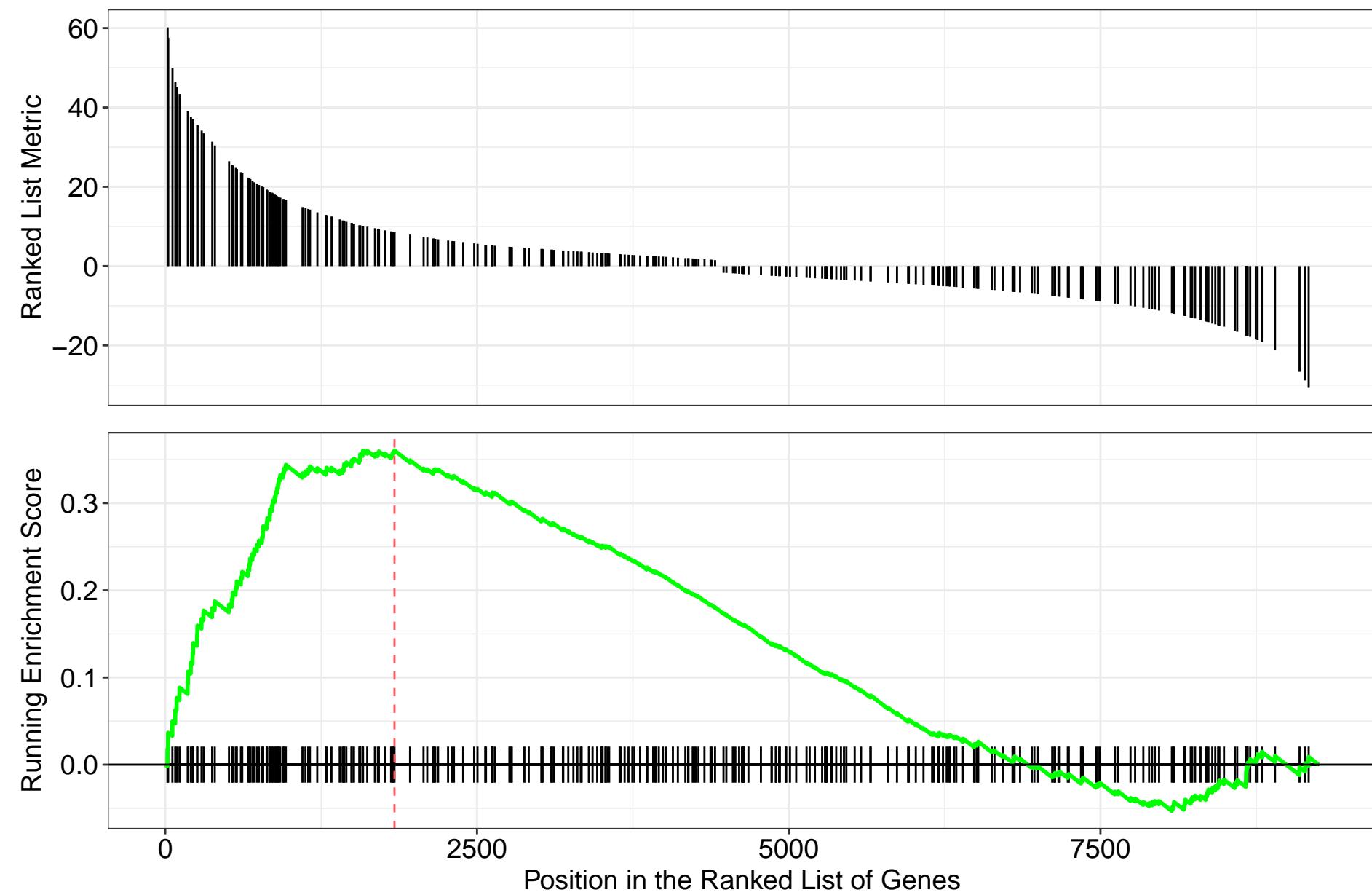
Position in the Ranked List of Genes



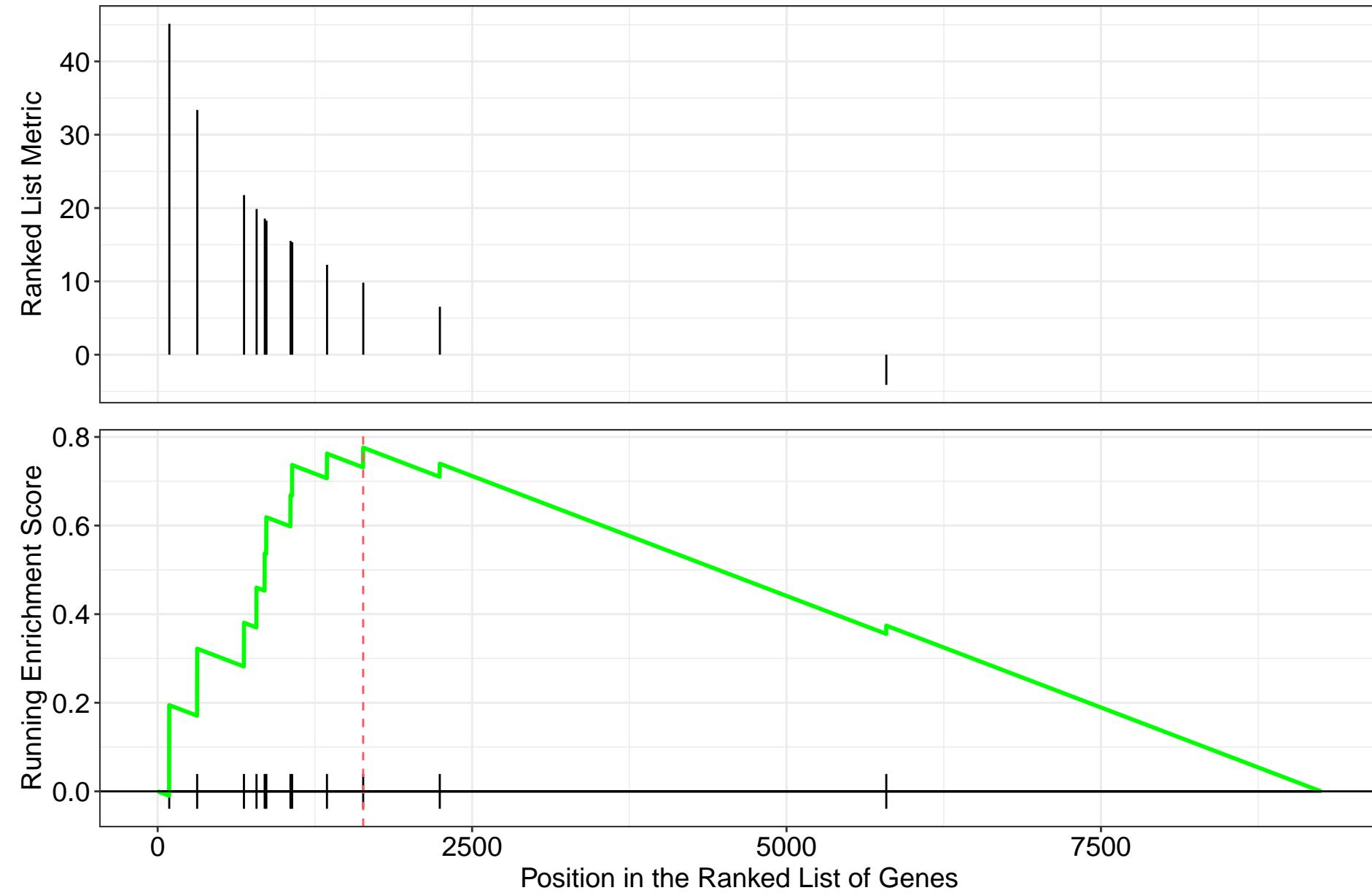
regulation of neutrophil migration



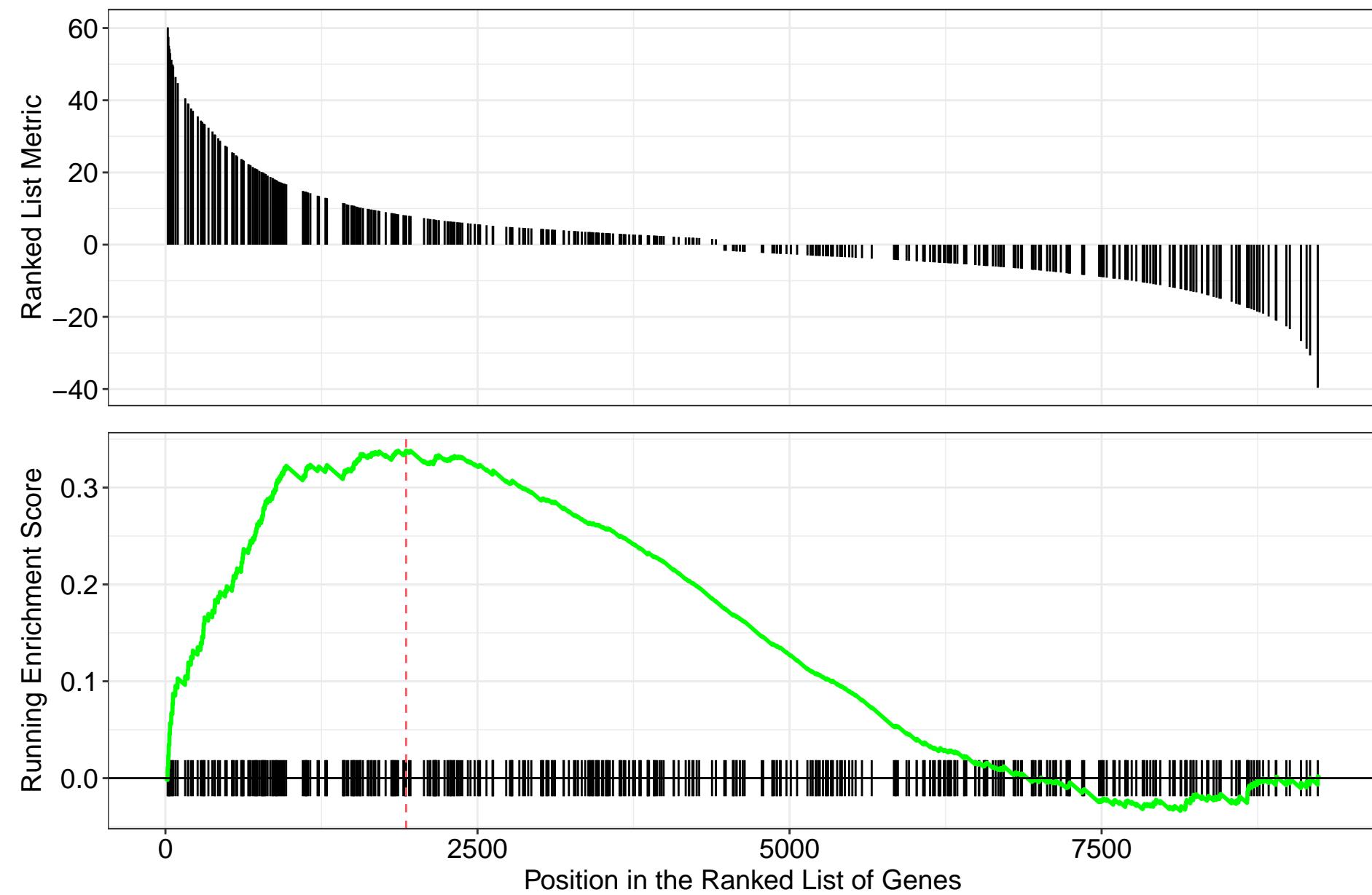
cellular response to growth factor stimulus



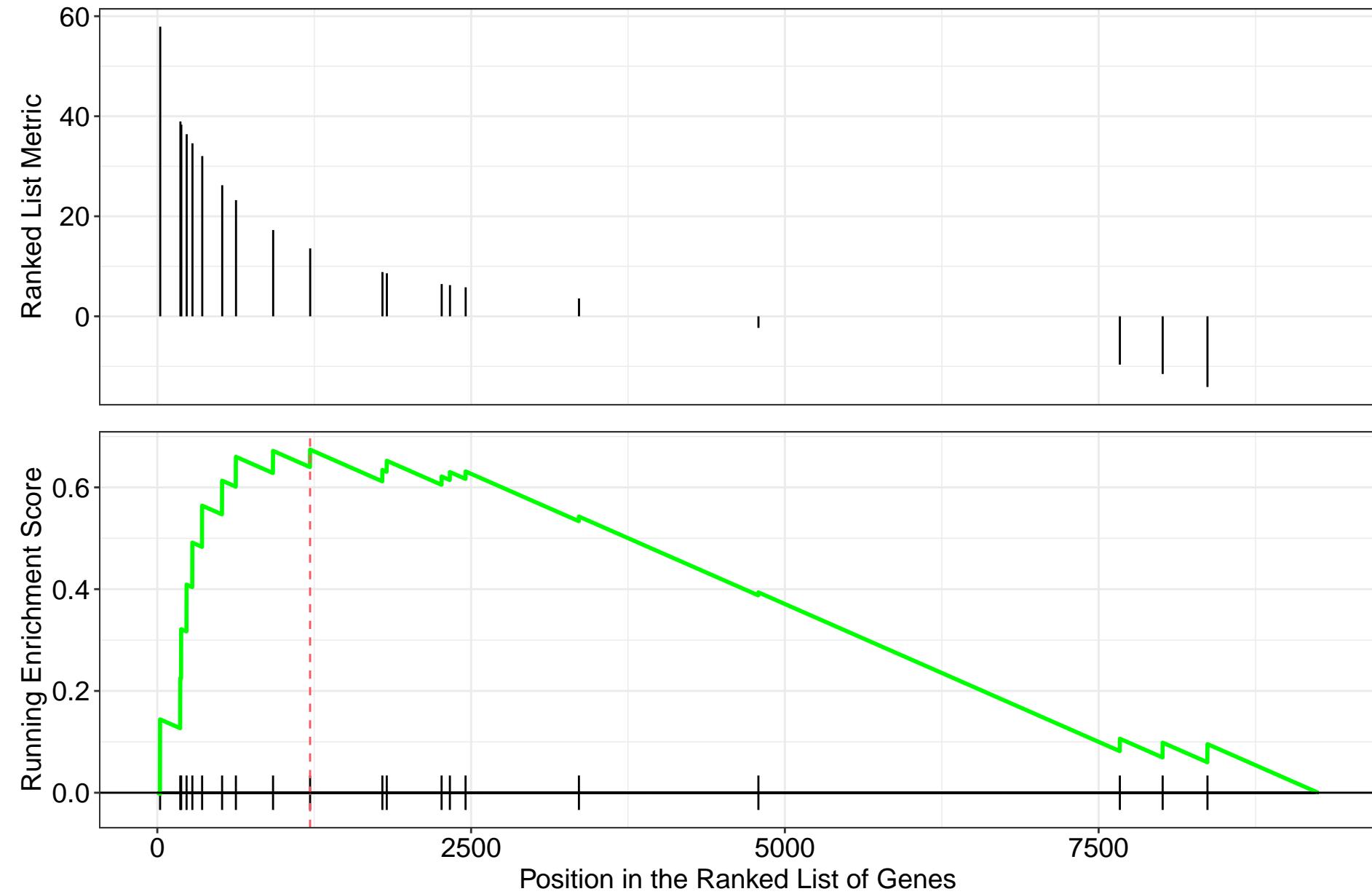
regulation of ribonuclease activity



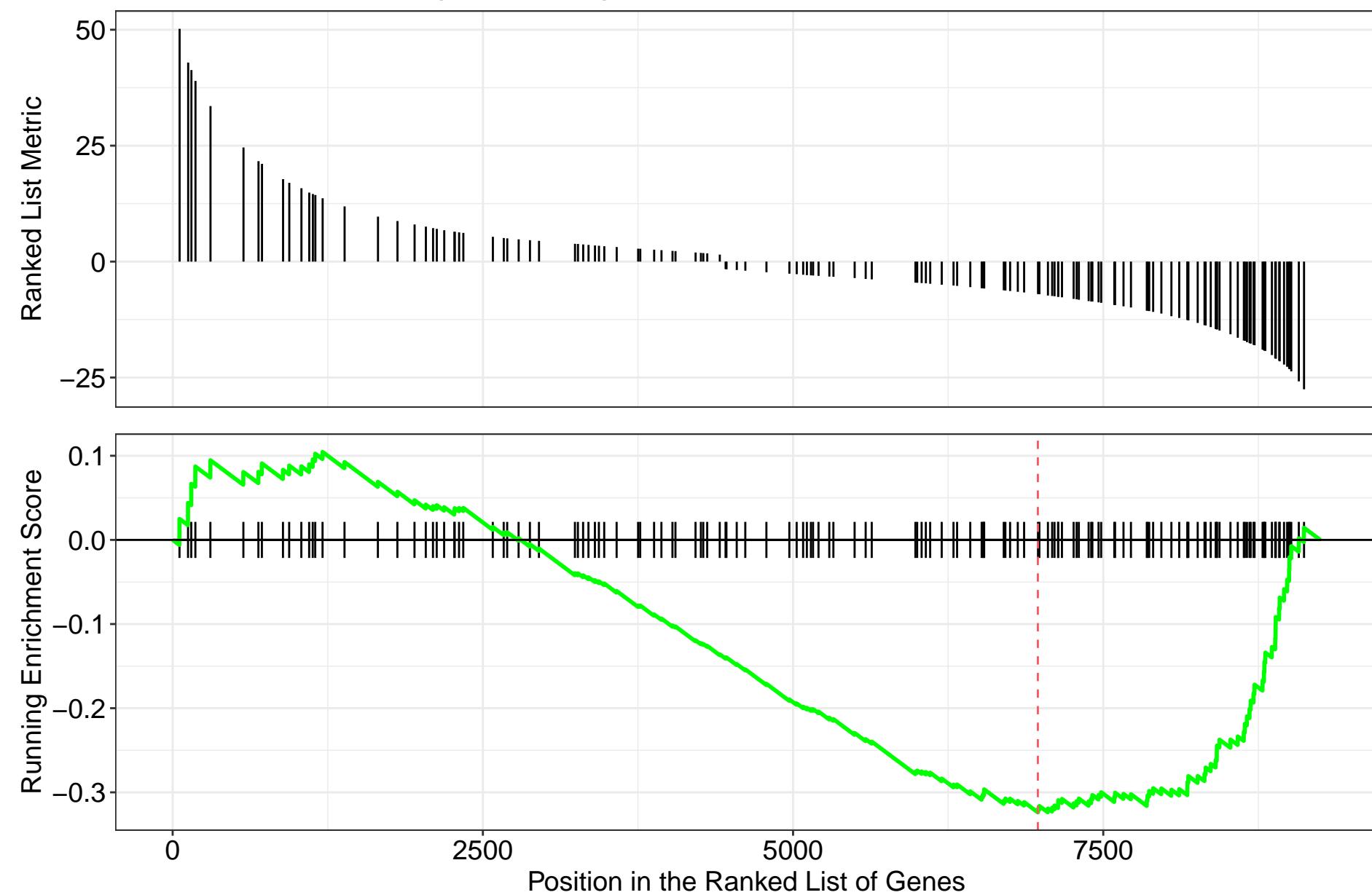
enzyme-linked receptor protein signaling pathway



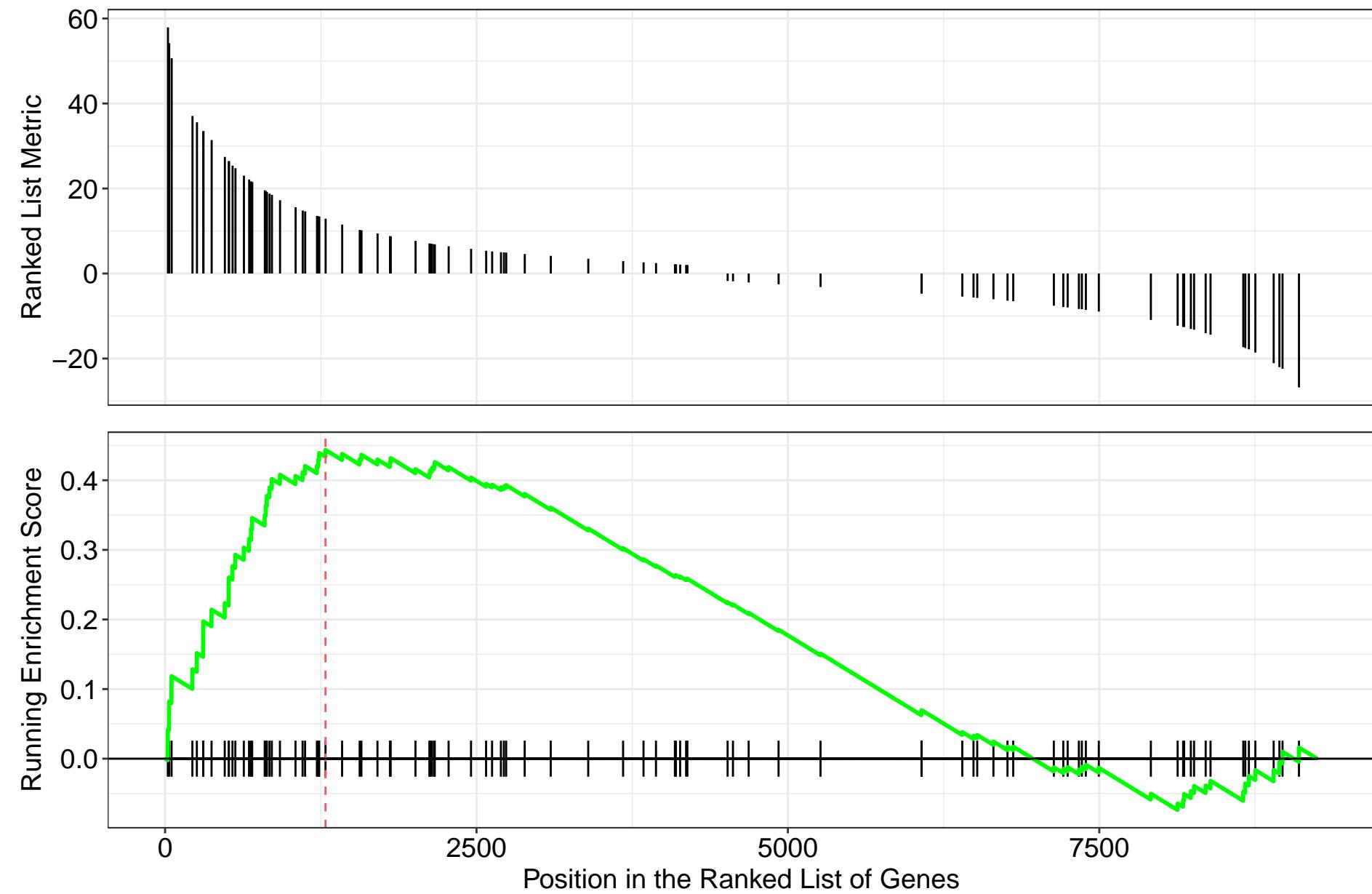
positive regulation of macrophage migration



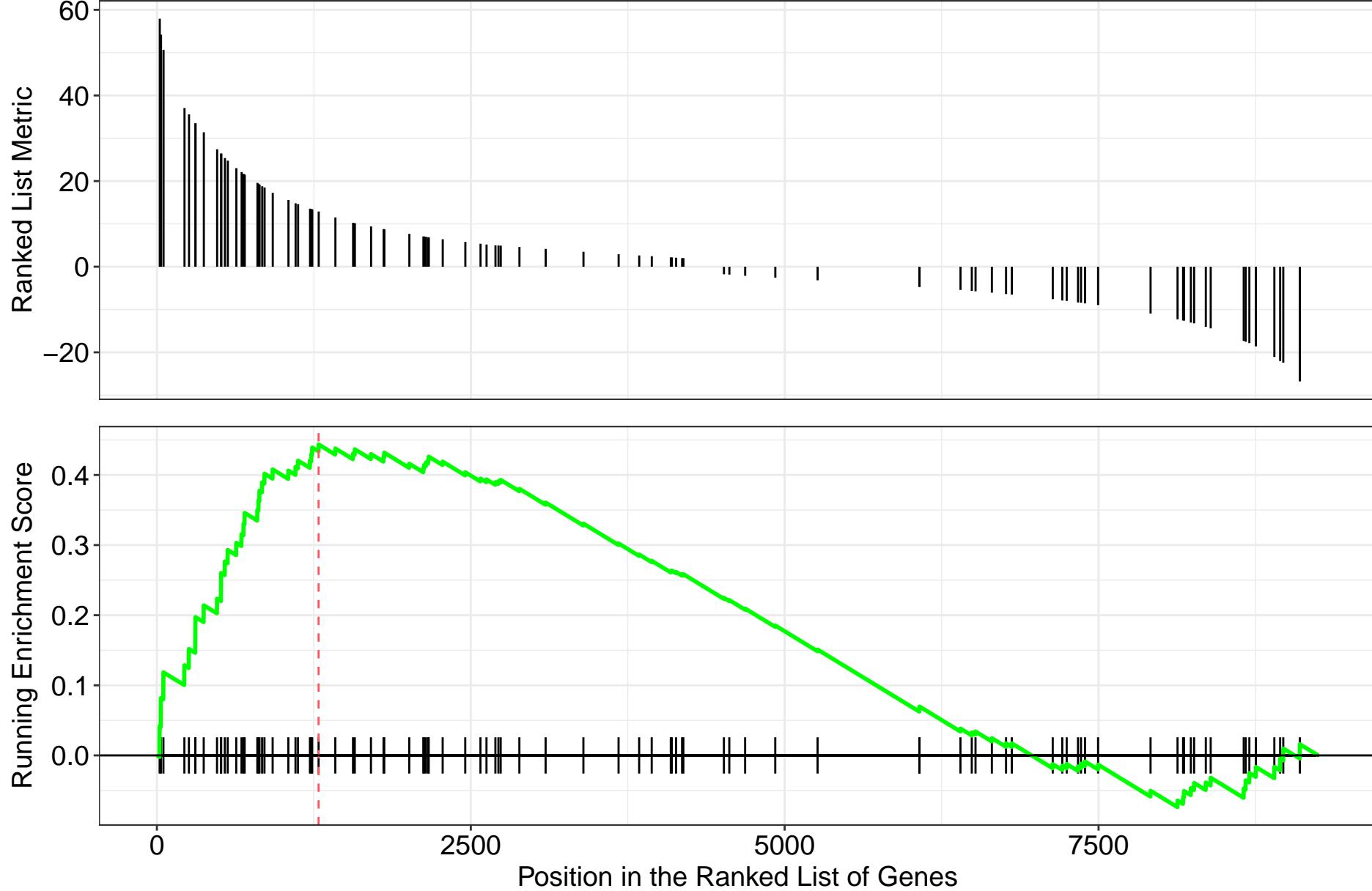
negative regulation of mitotic cell cycle



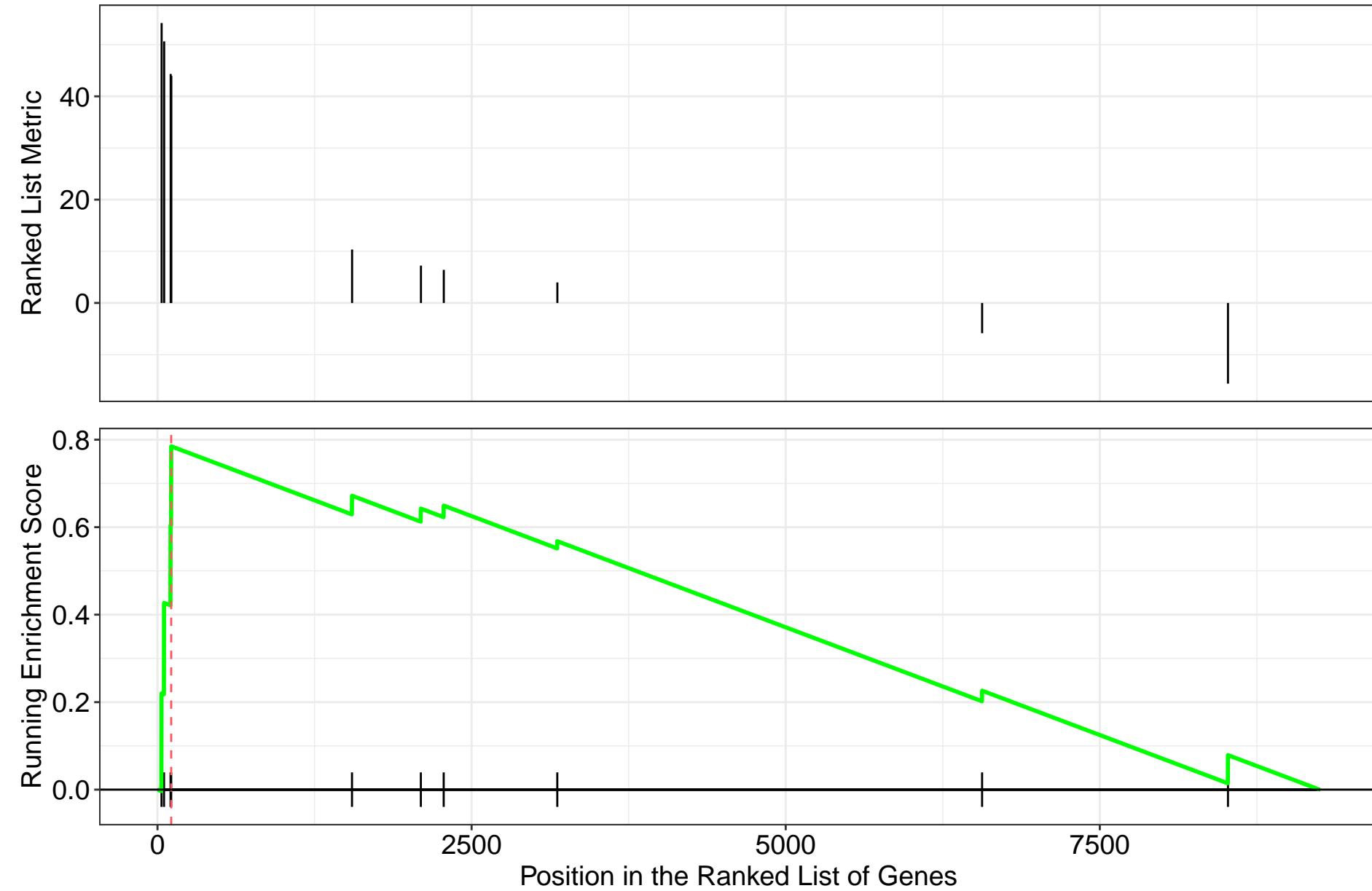
positive regulation of angiogenesis



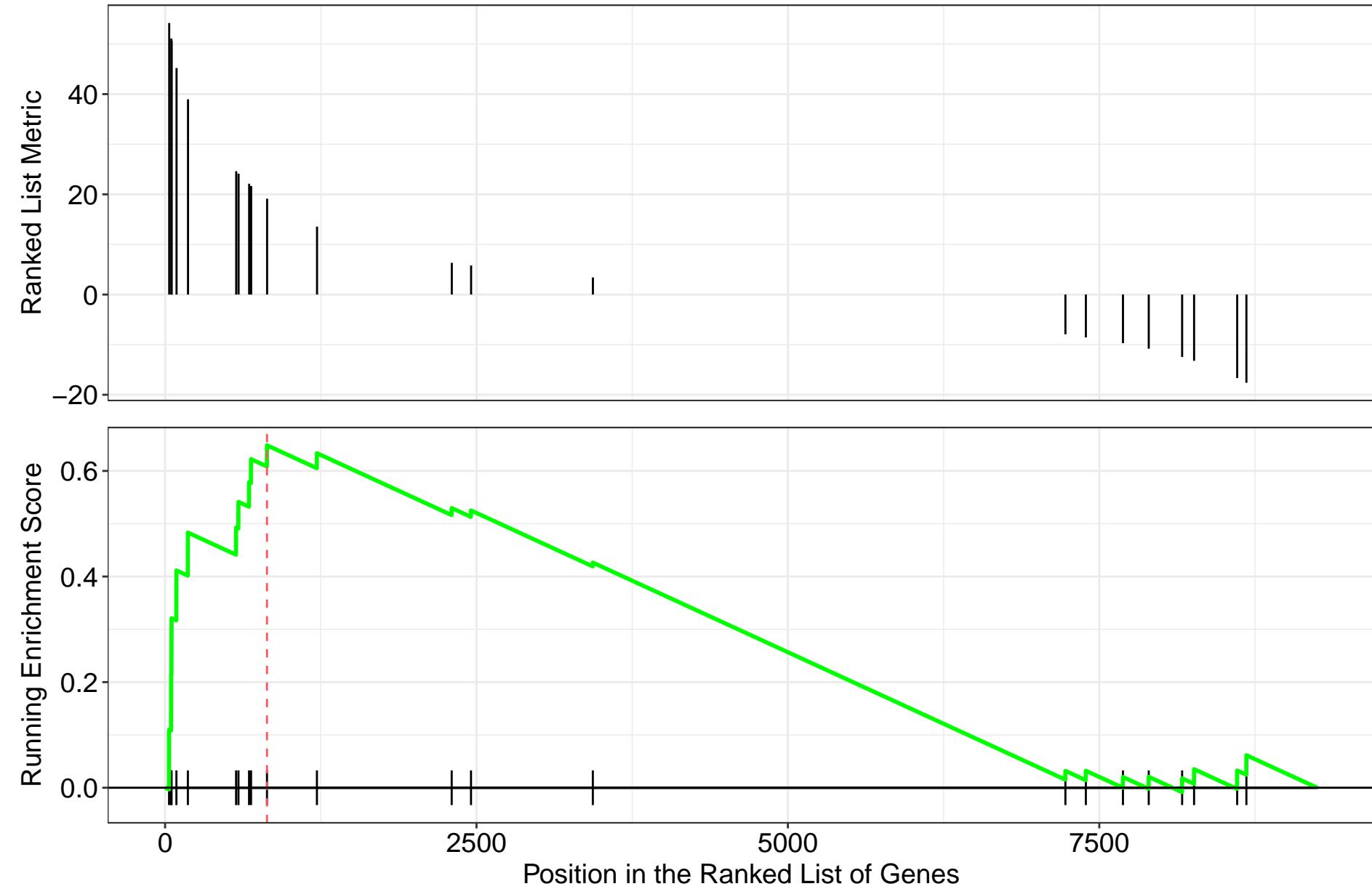
positive regulation of vasculature development



positive regulation of prostaglandin secretion

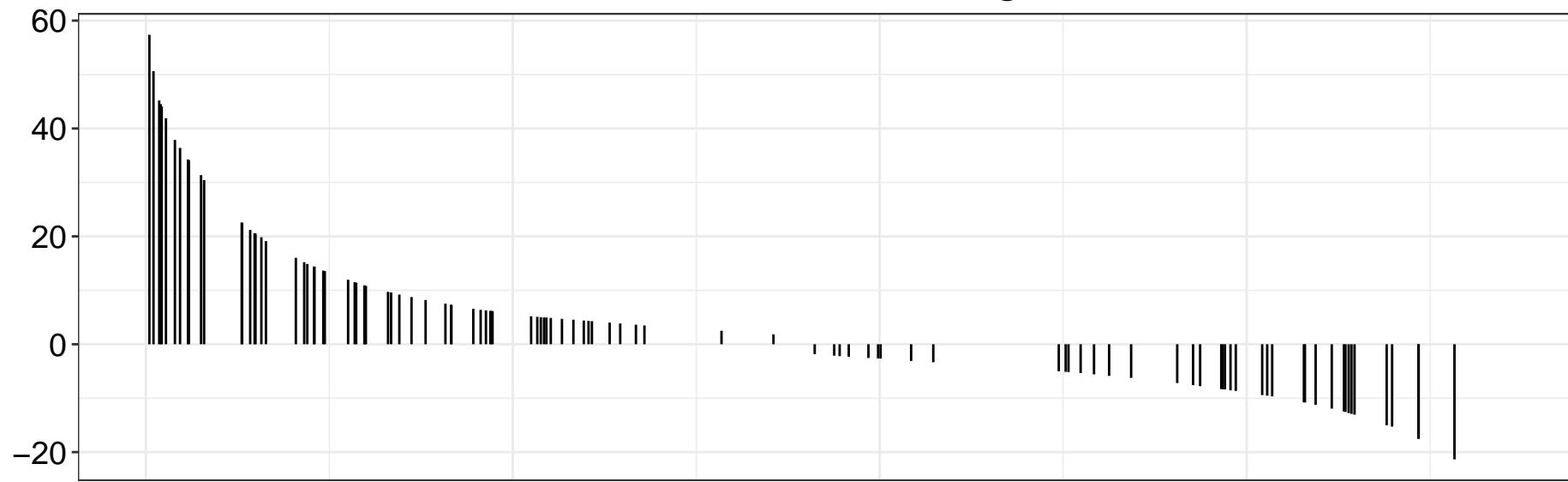


vascular endothelial growth factor production



tissue remodeling

Ranked List Metric



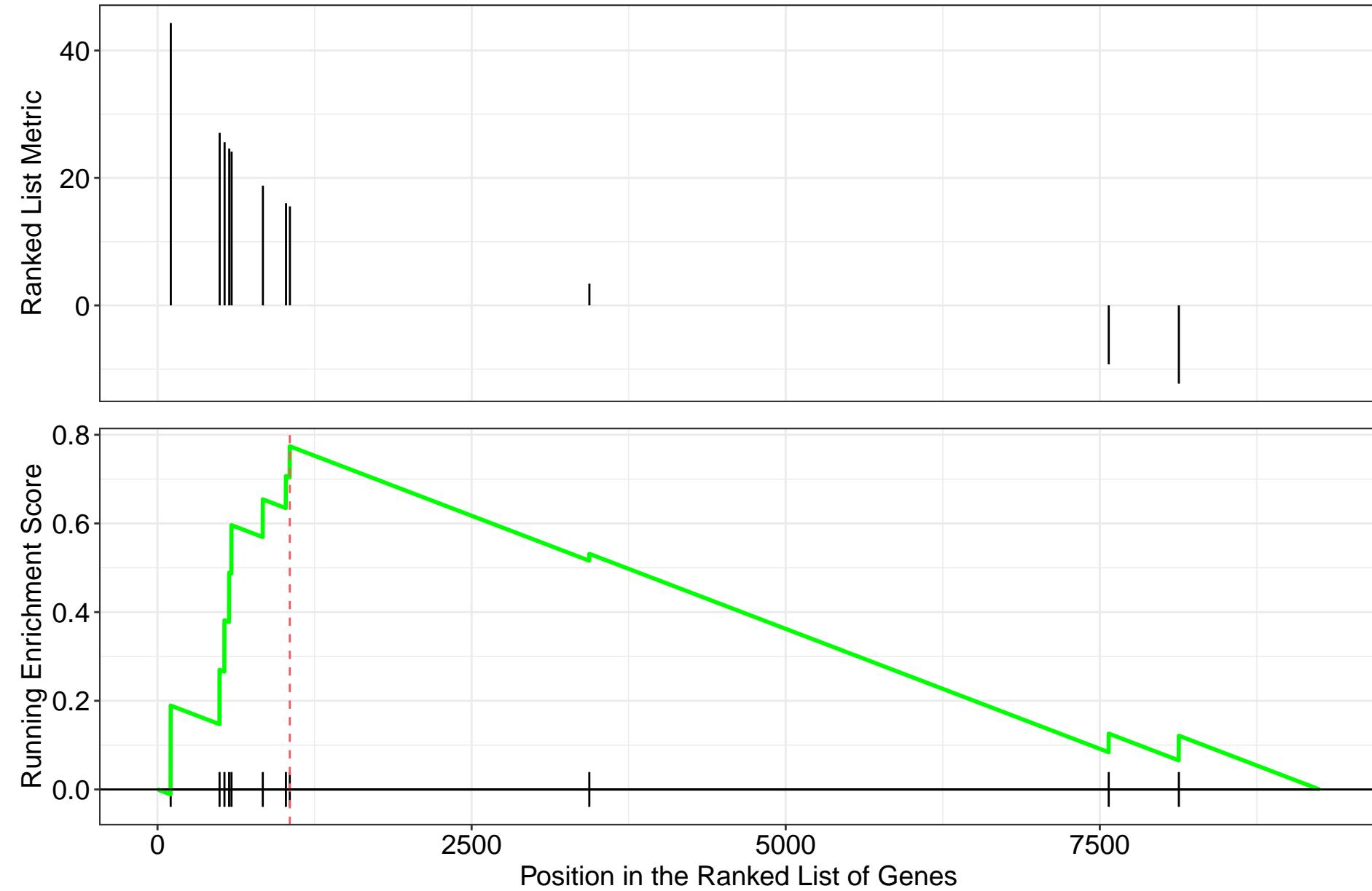
Running Enrichment Score

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Position in the Ranked List of Genes

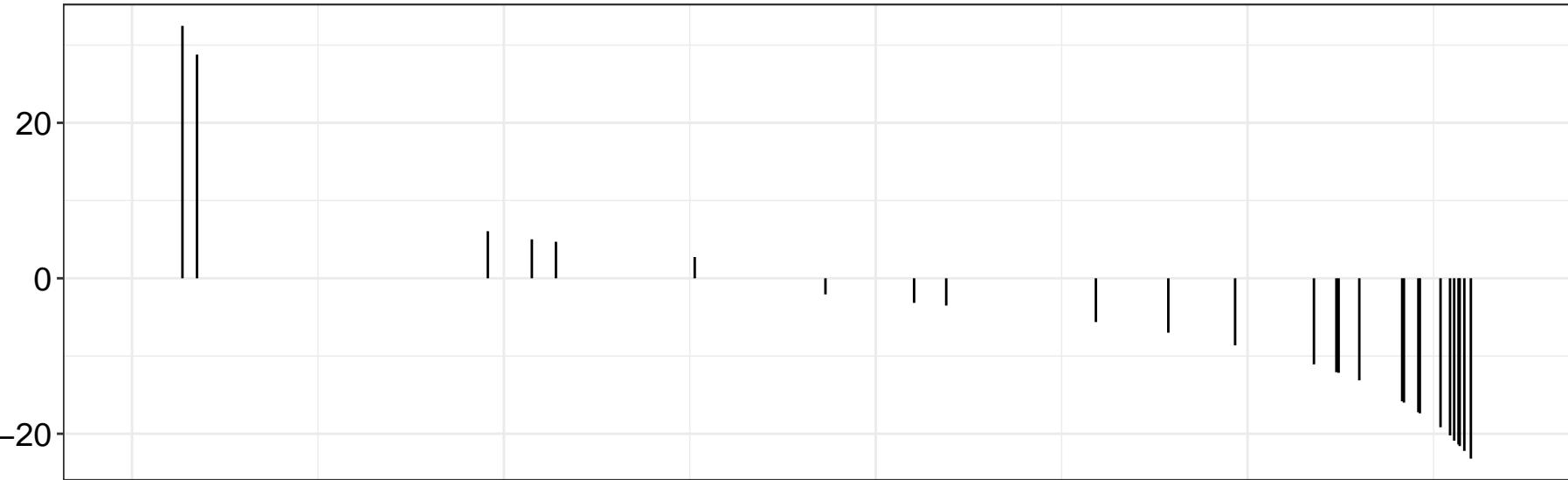


chronic inflammatory response



female meiotic nuclear division

Ranked List Metric



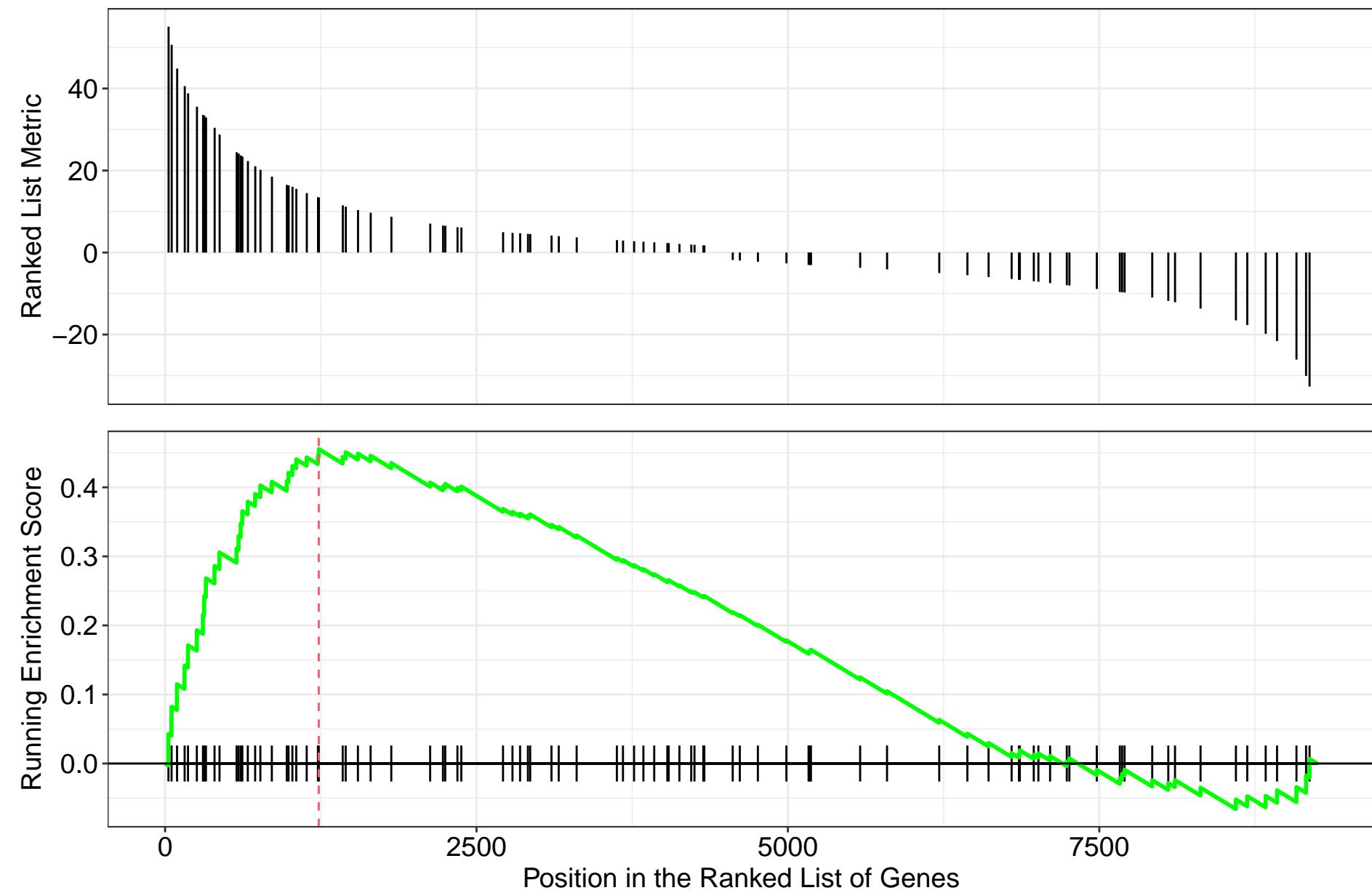
Running Enrichment Score

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Position in the Ranked List of Genes



gonad development



cytokinetic process

Ranked List Metric



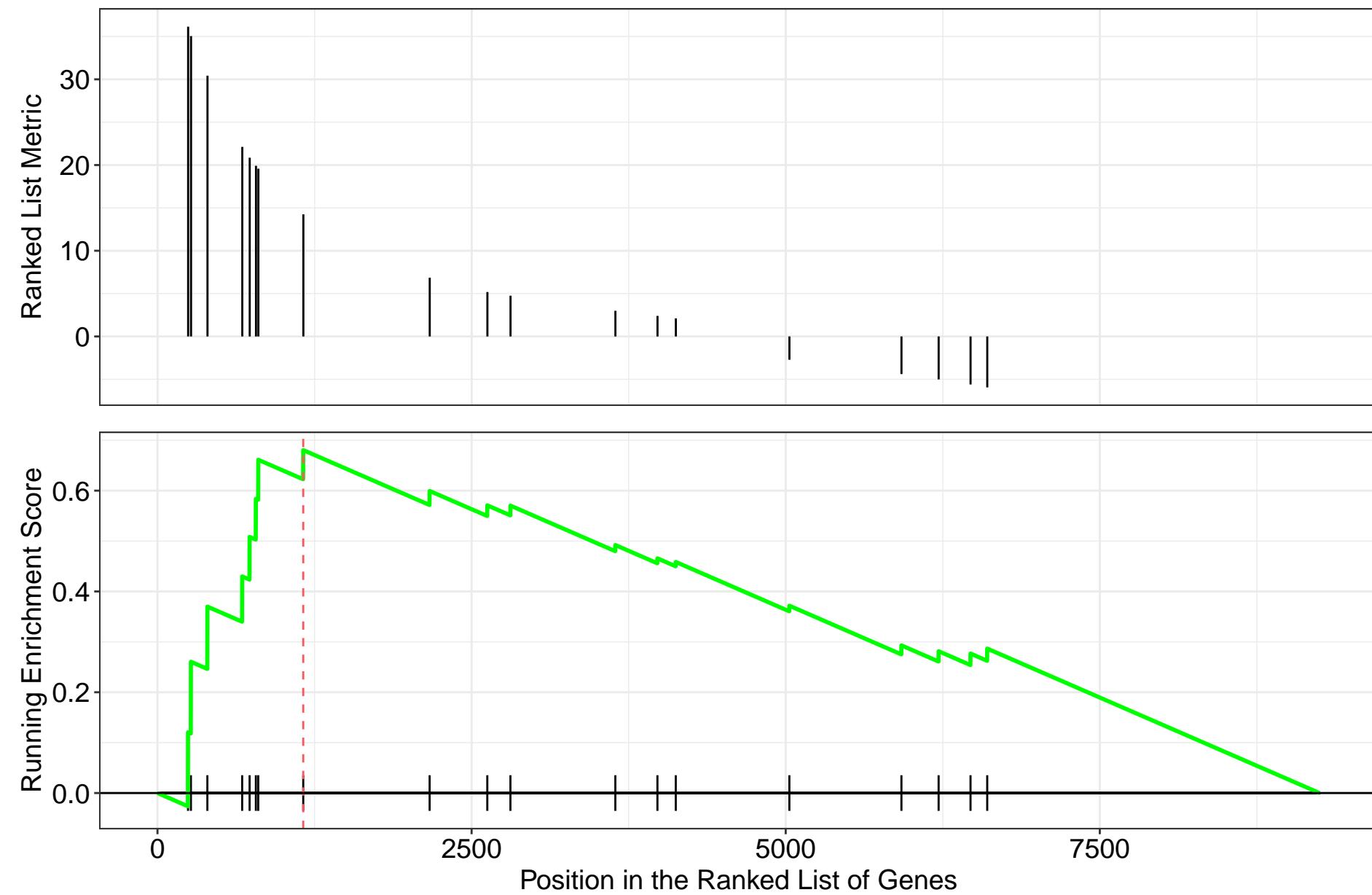
Running Enrichment Score

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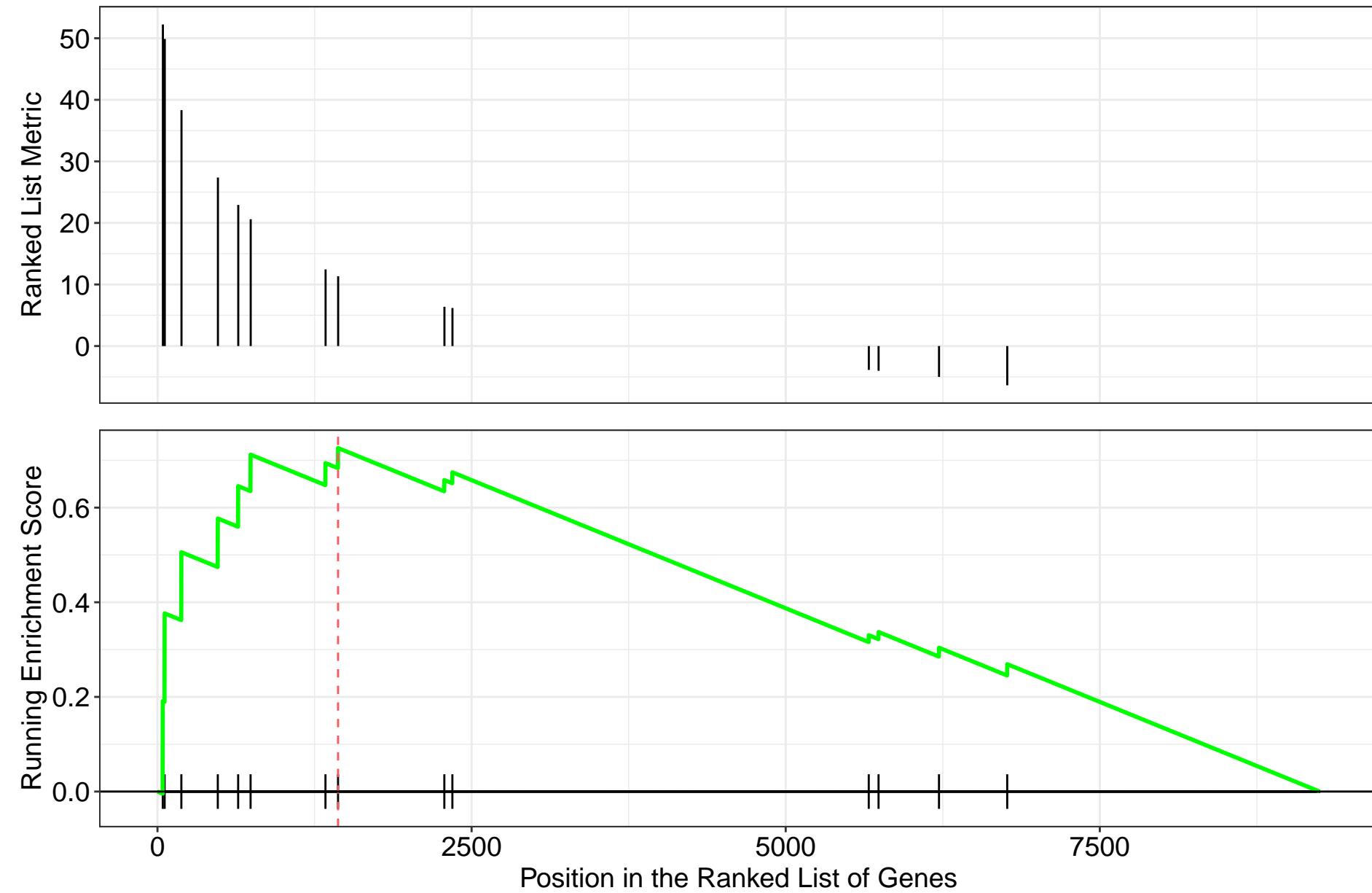
Position in the Ranked List of Genes



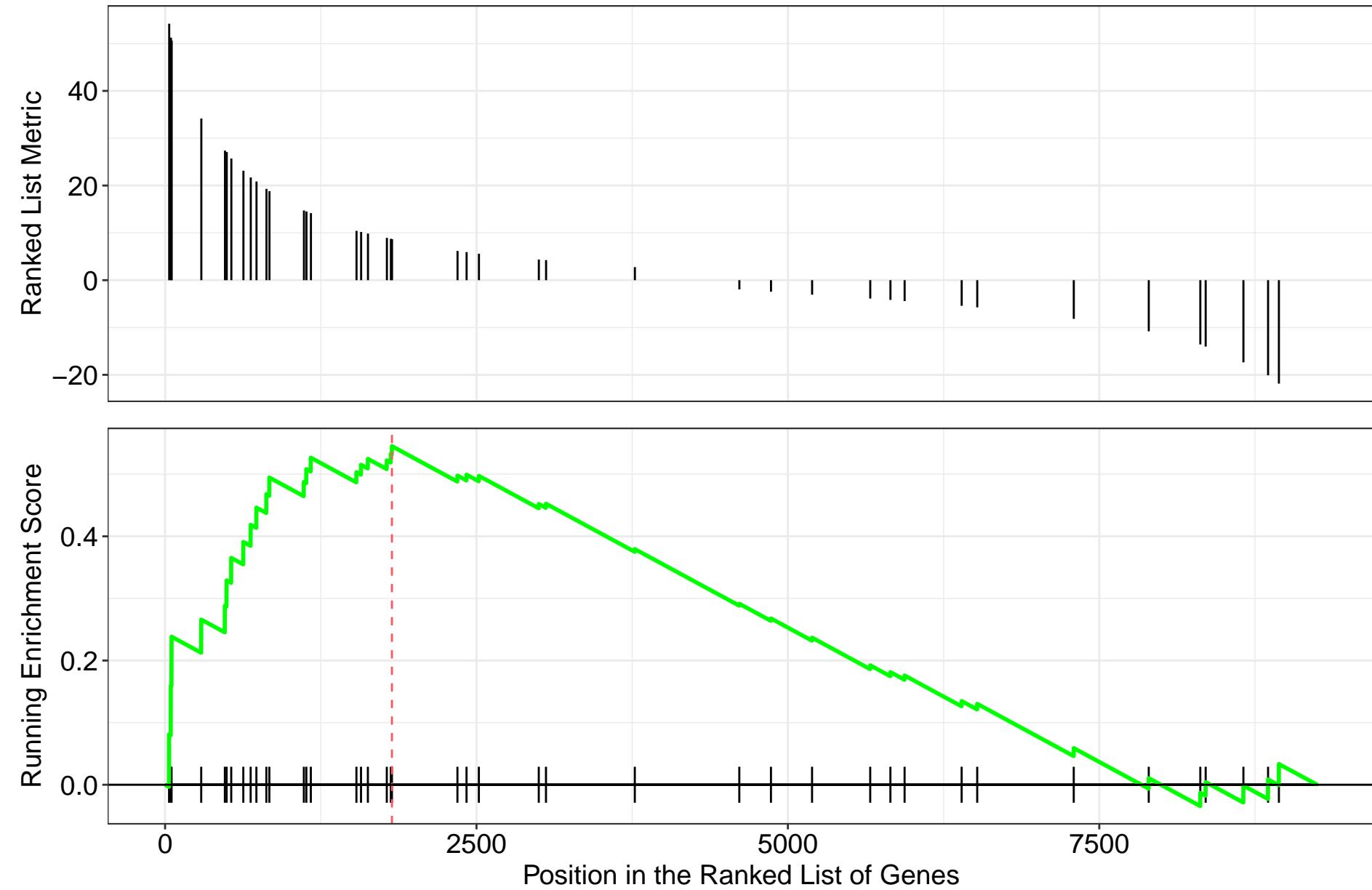
positive regulation of lipid kinase activity



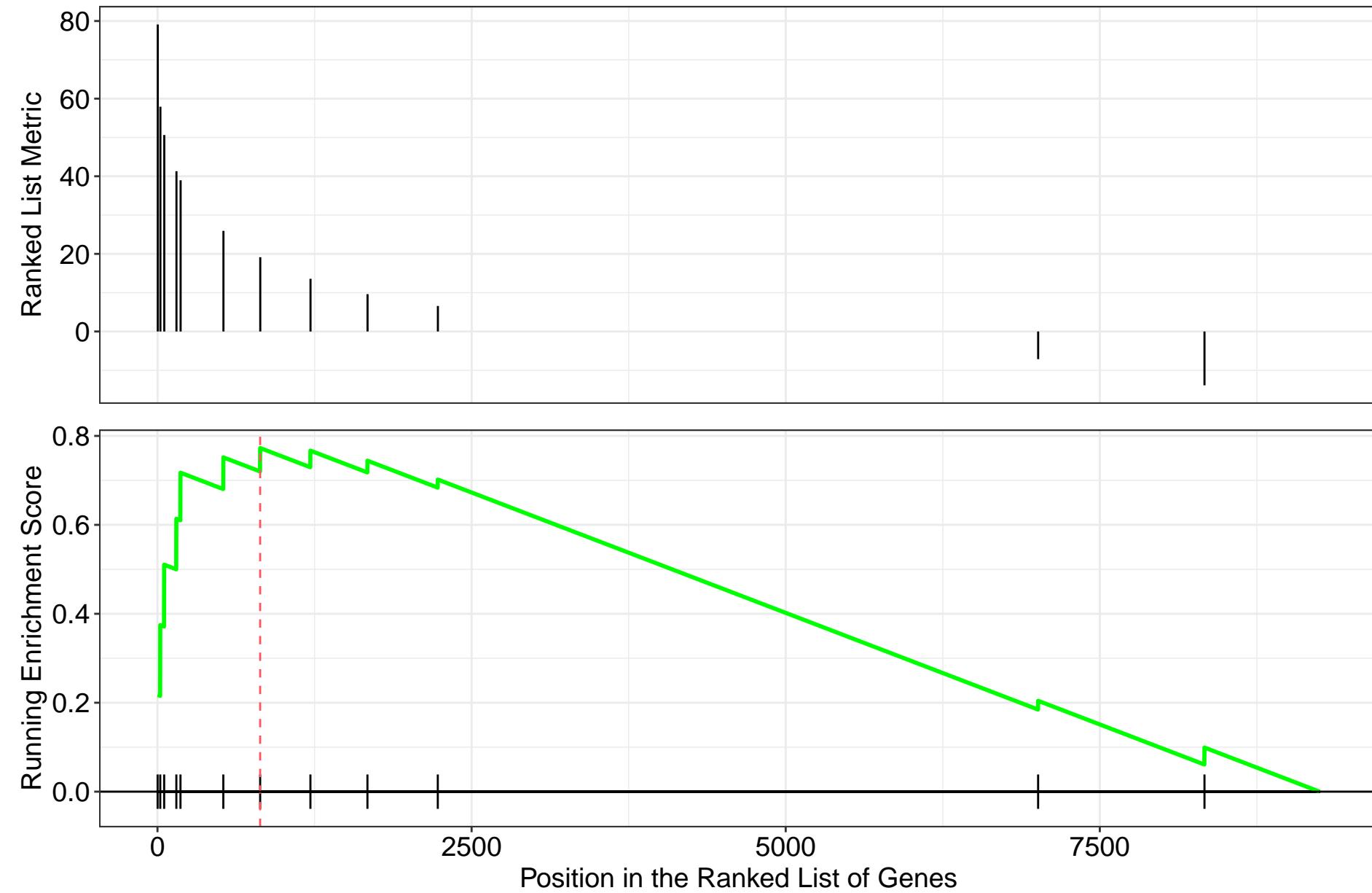
positive regulation of activated T cell proliferation



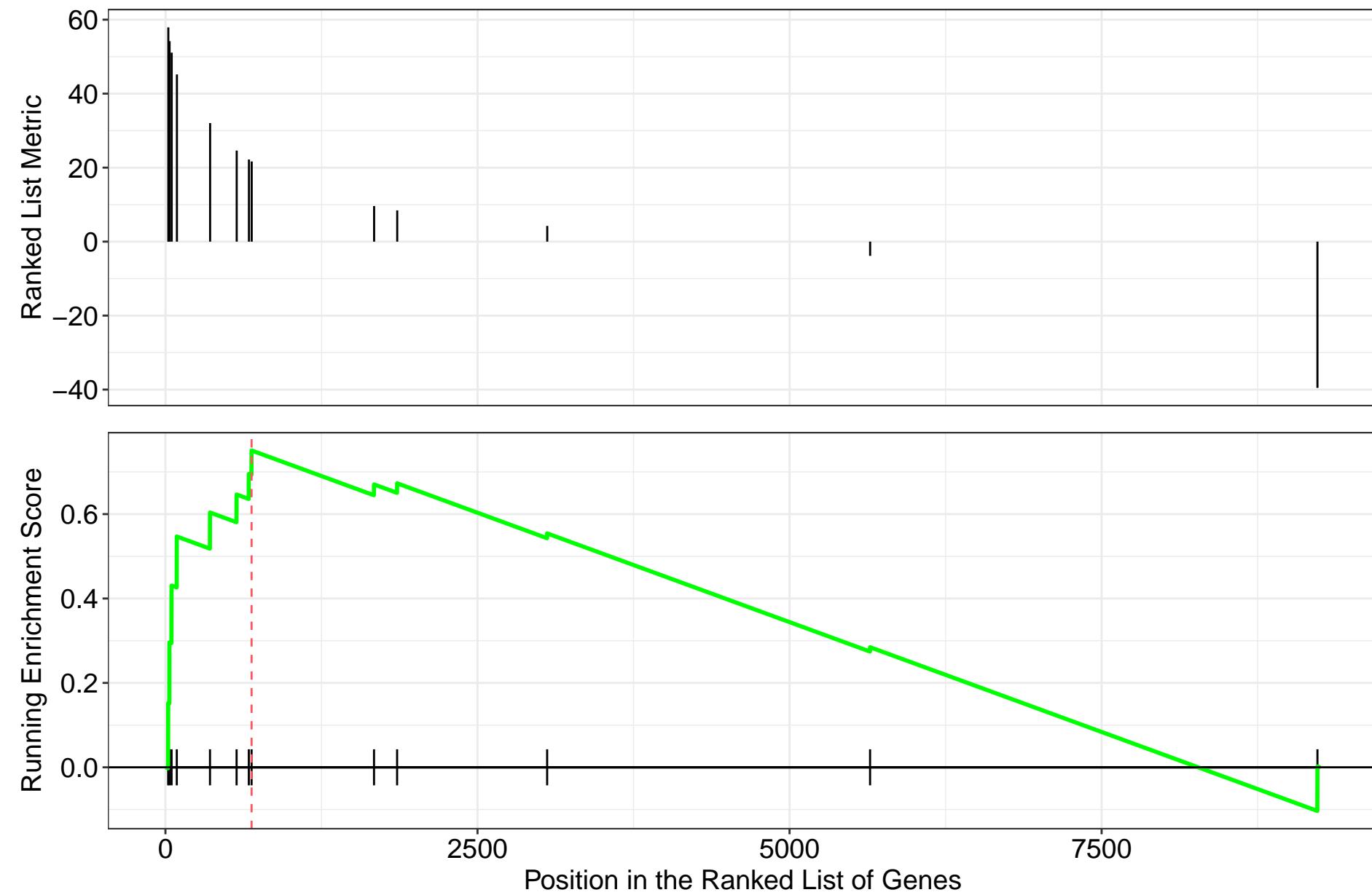
interleukin–2 production



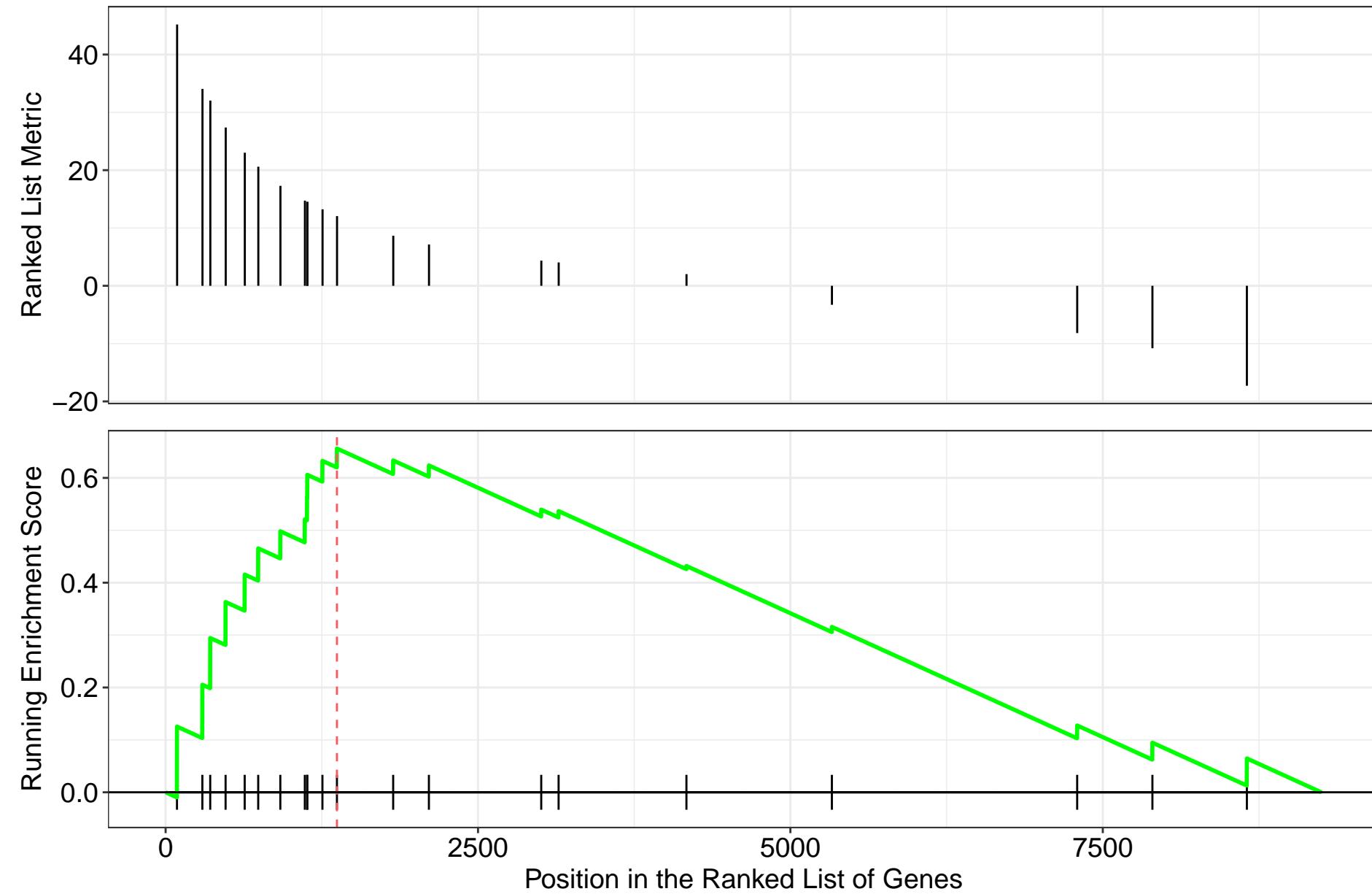
eosinophil migration



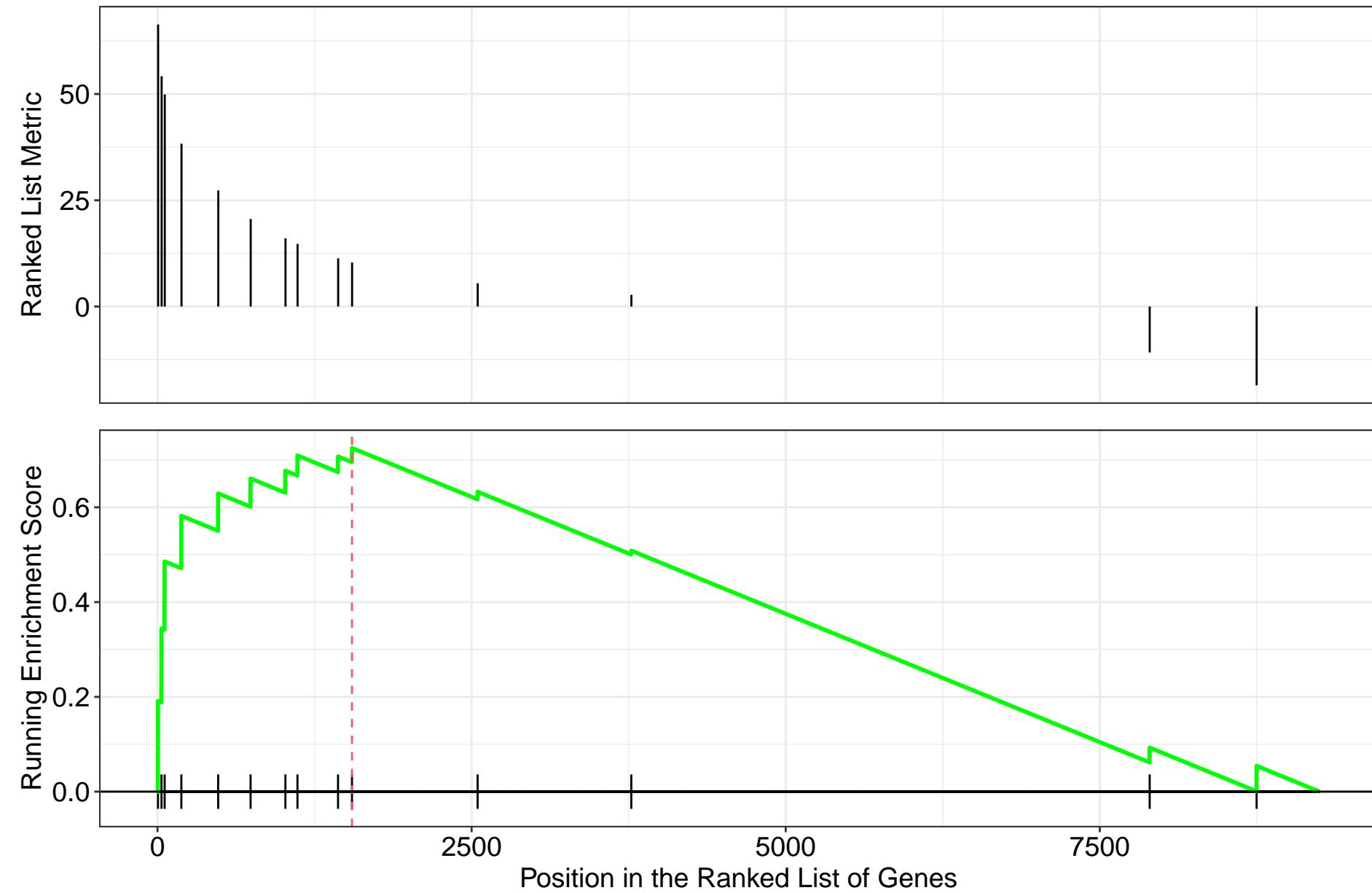
positive regulation of acute inflammatory response



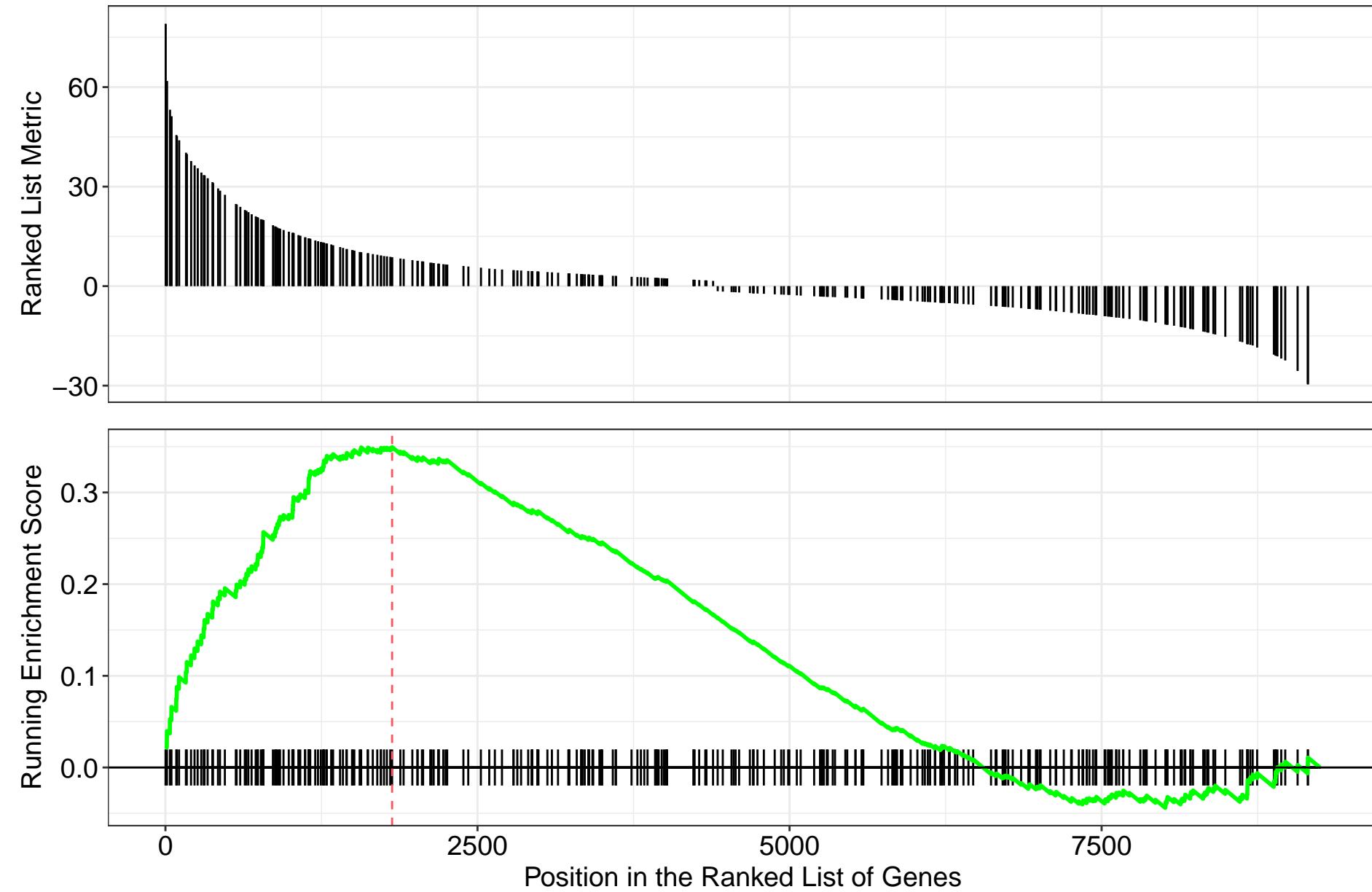
positive regulation of CD4-positive, alpha–beta T cell differentiation



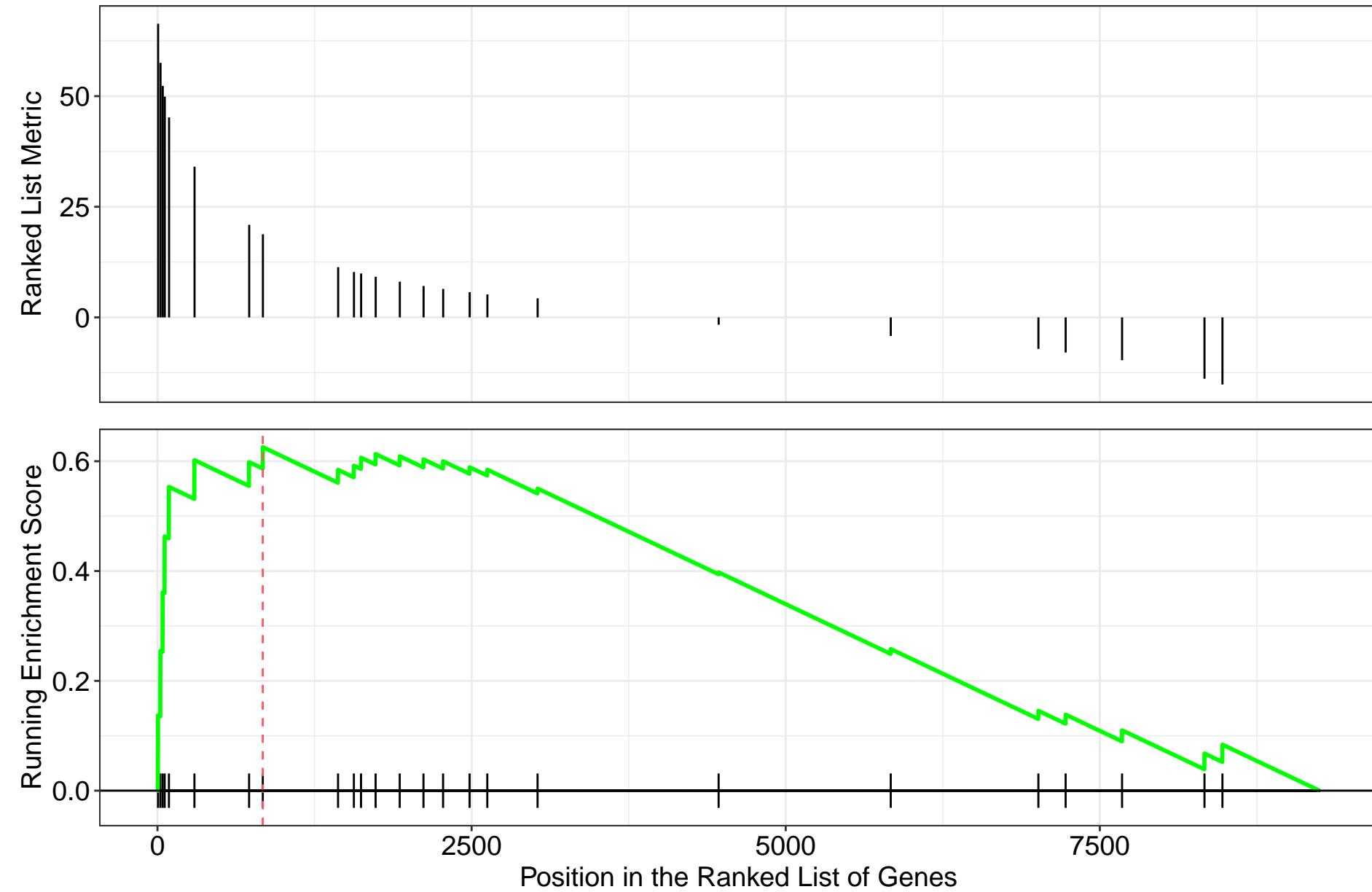
positive regulation of T-helper 1 type immune response



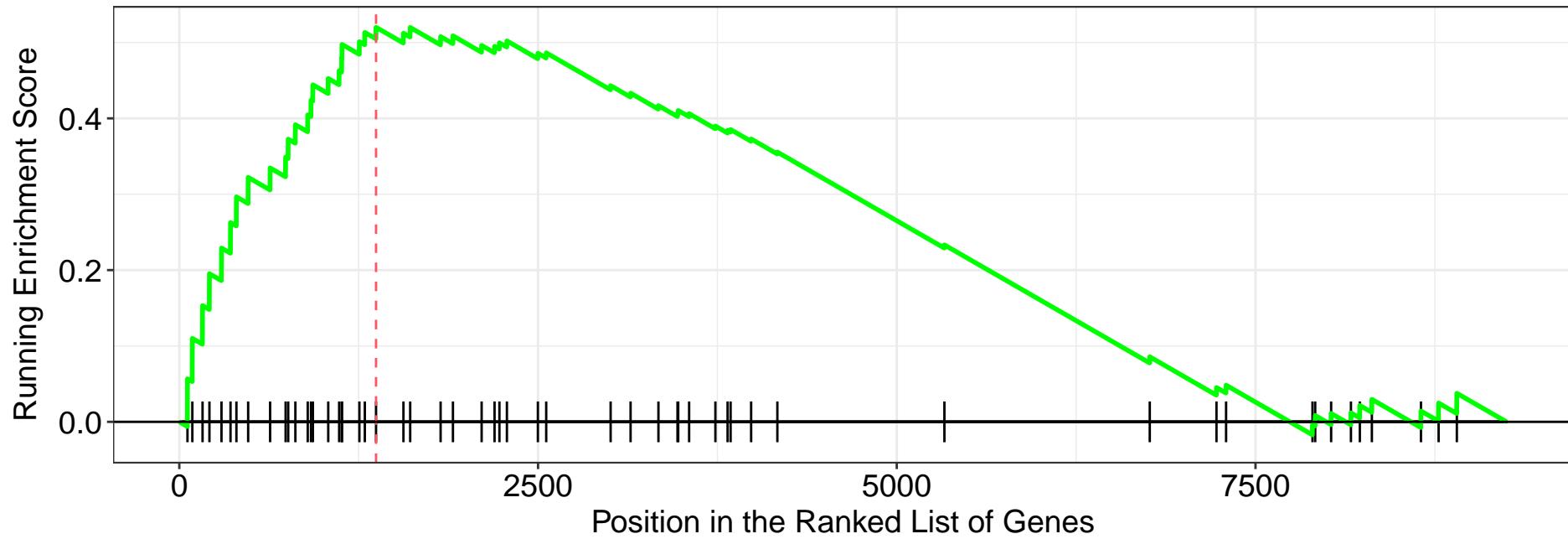
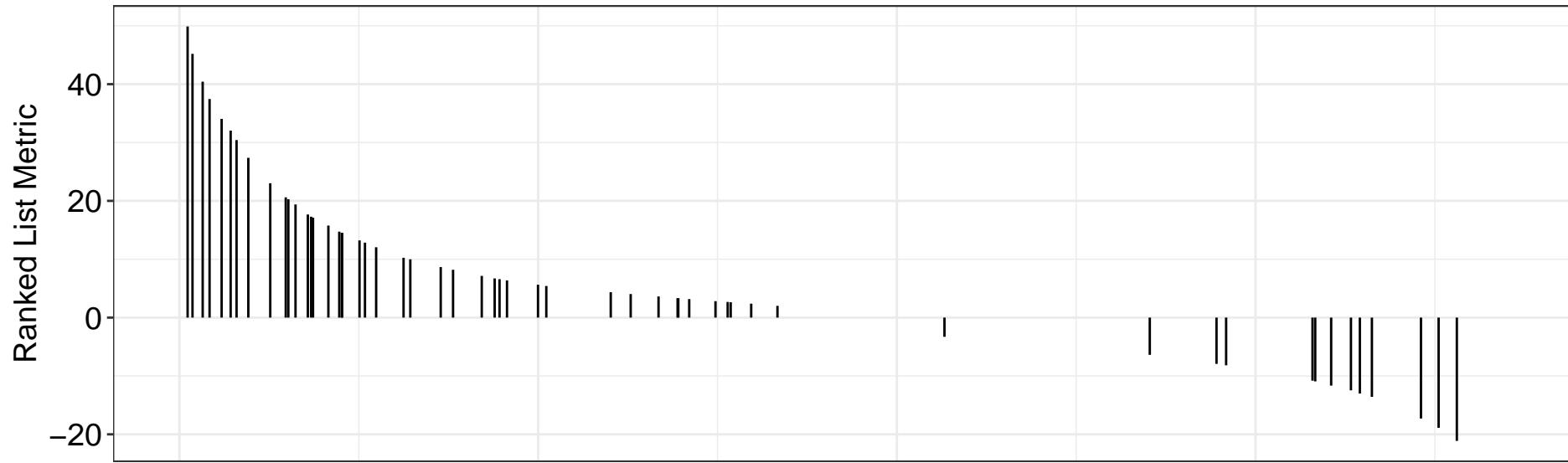
muscle structure development



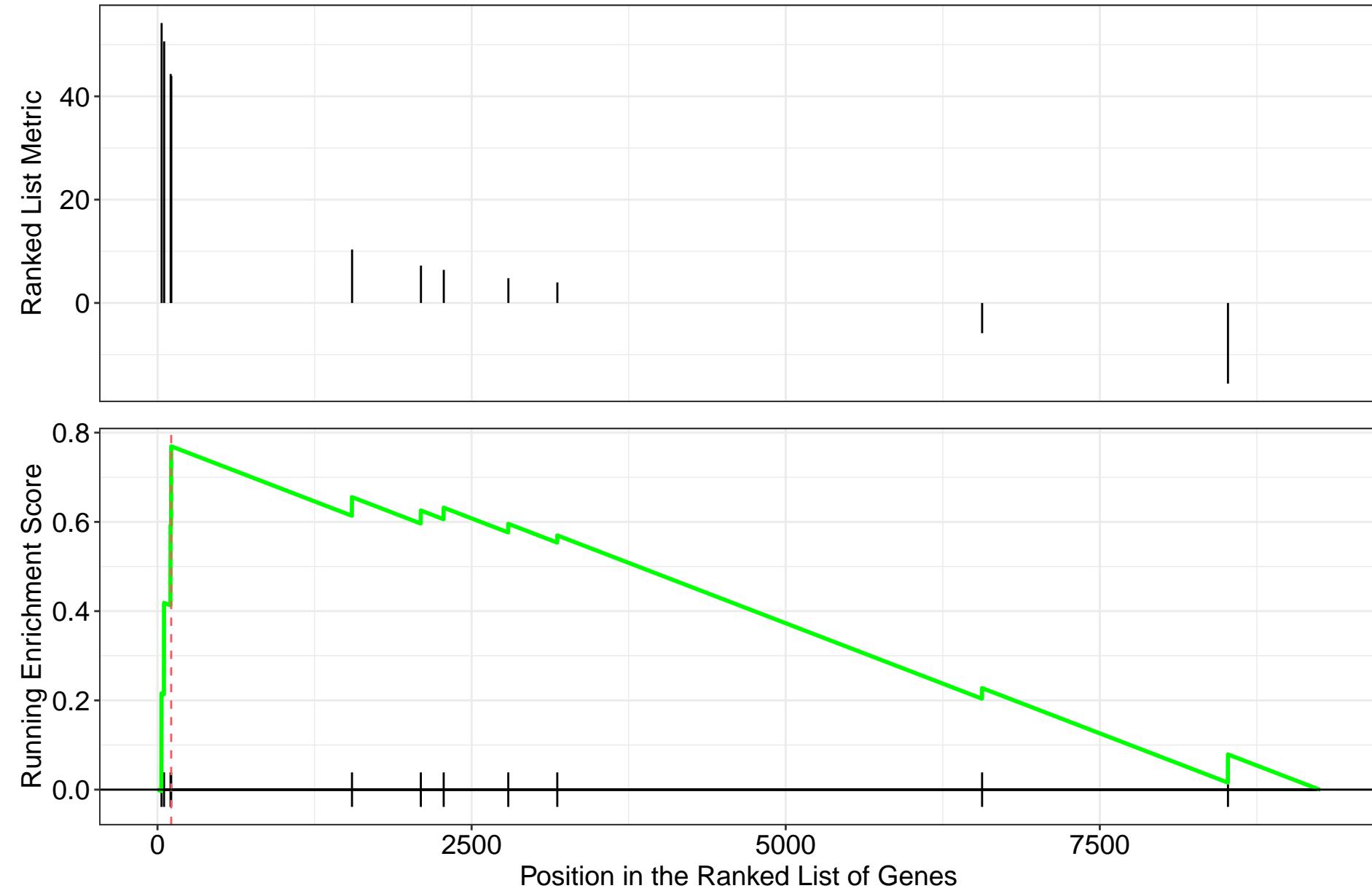
positive regulation of receptor signaling pathway via JAK–STAT



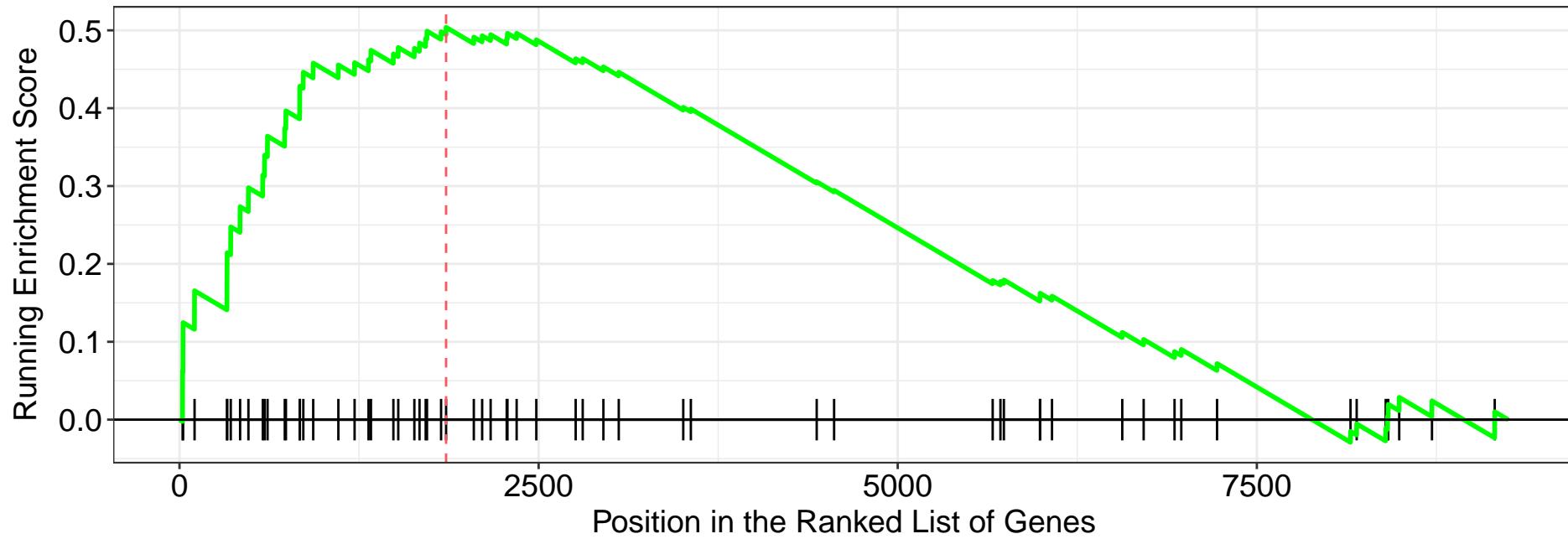
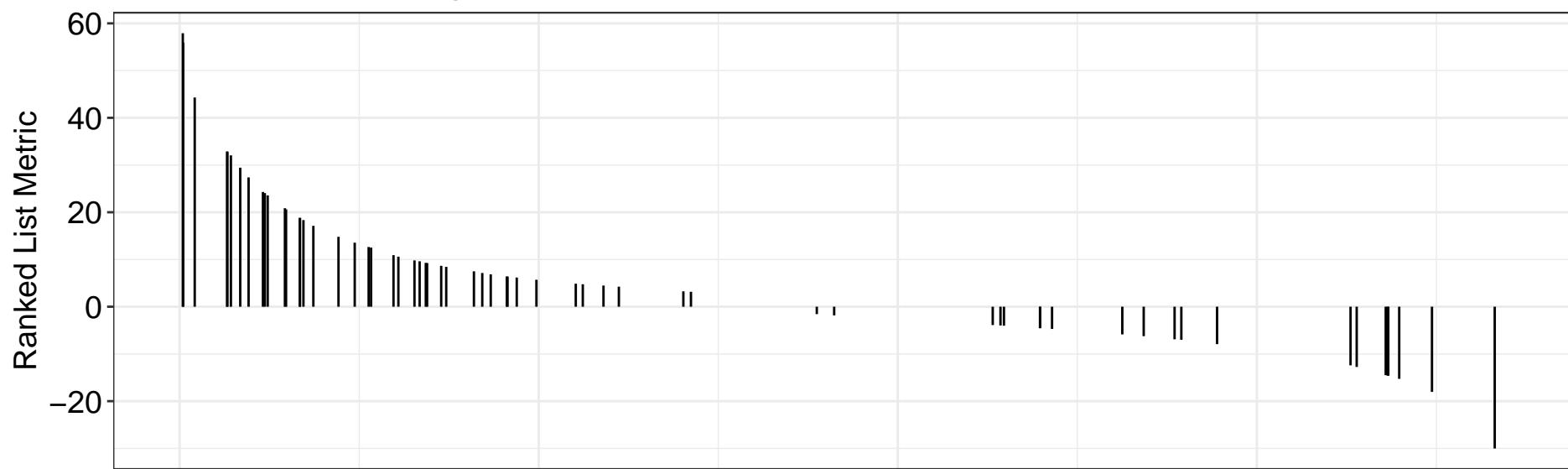
CD4-positive, alpha-beta T cell differentiation



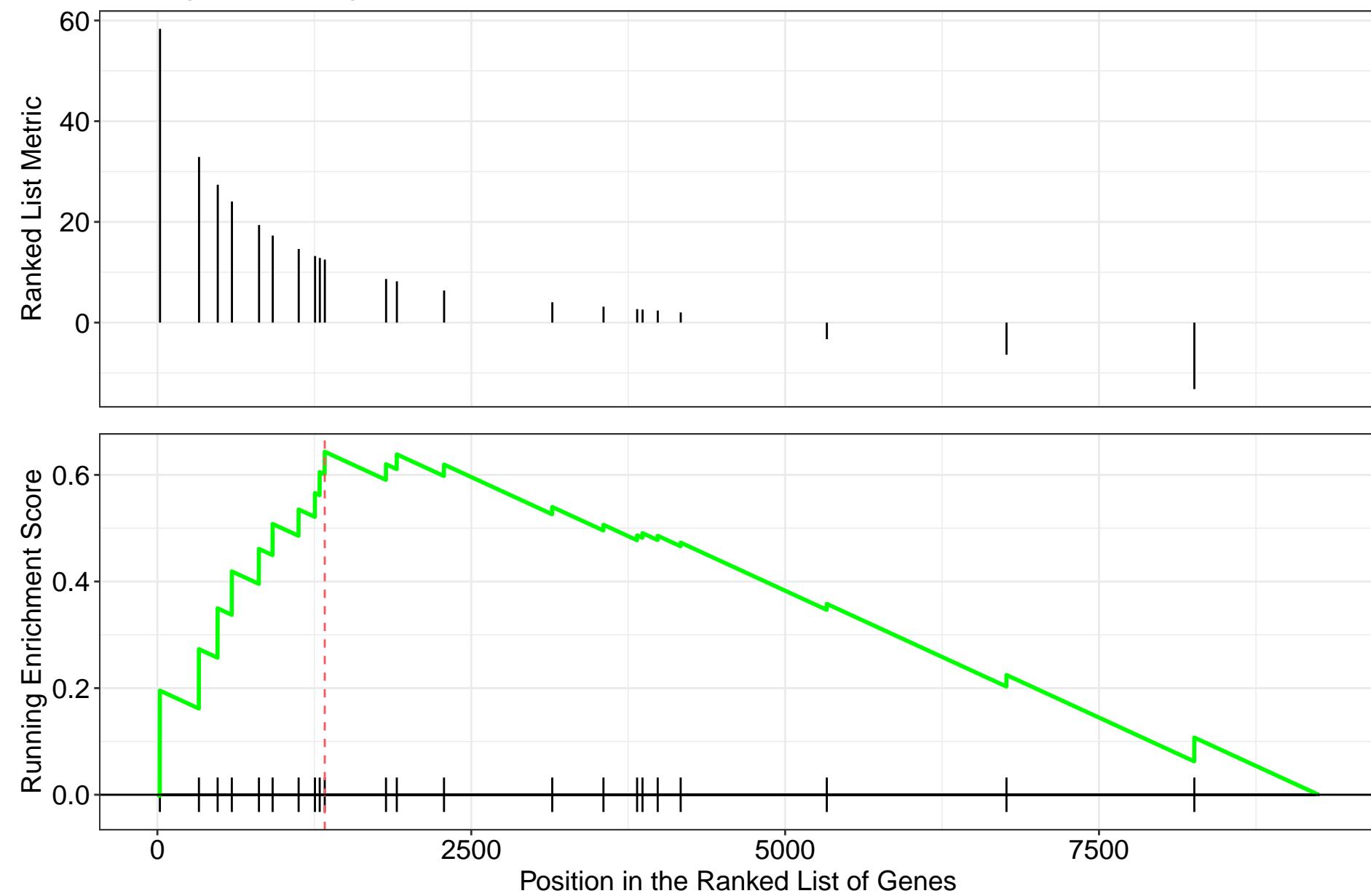
regulation of prostaglandin secretion



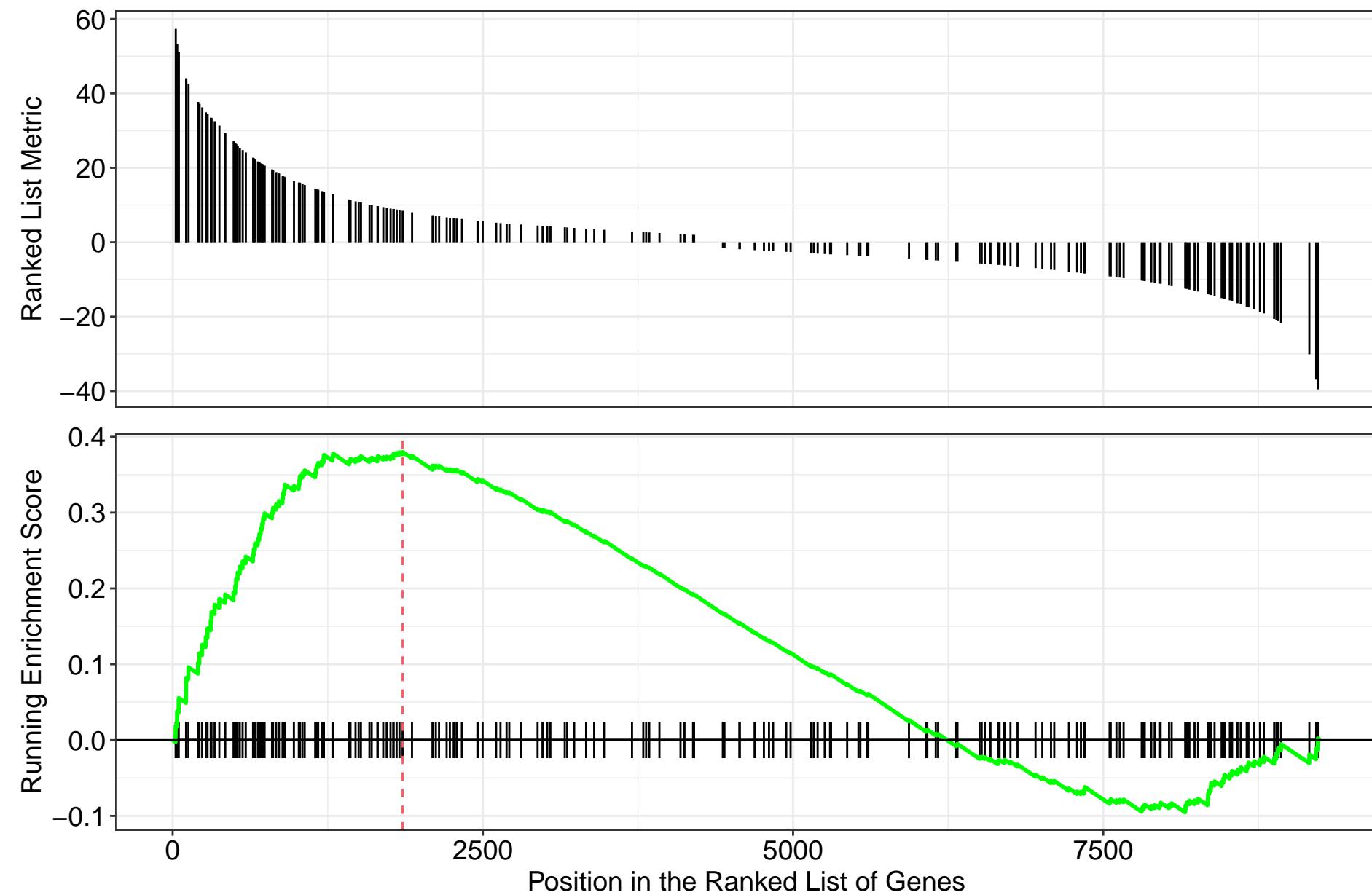
regulation of leukocyte apoptotic process



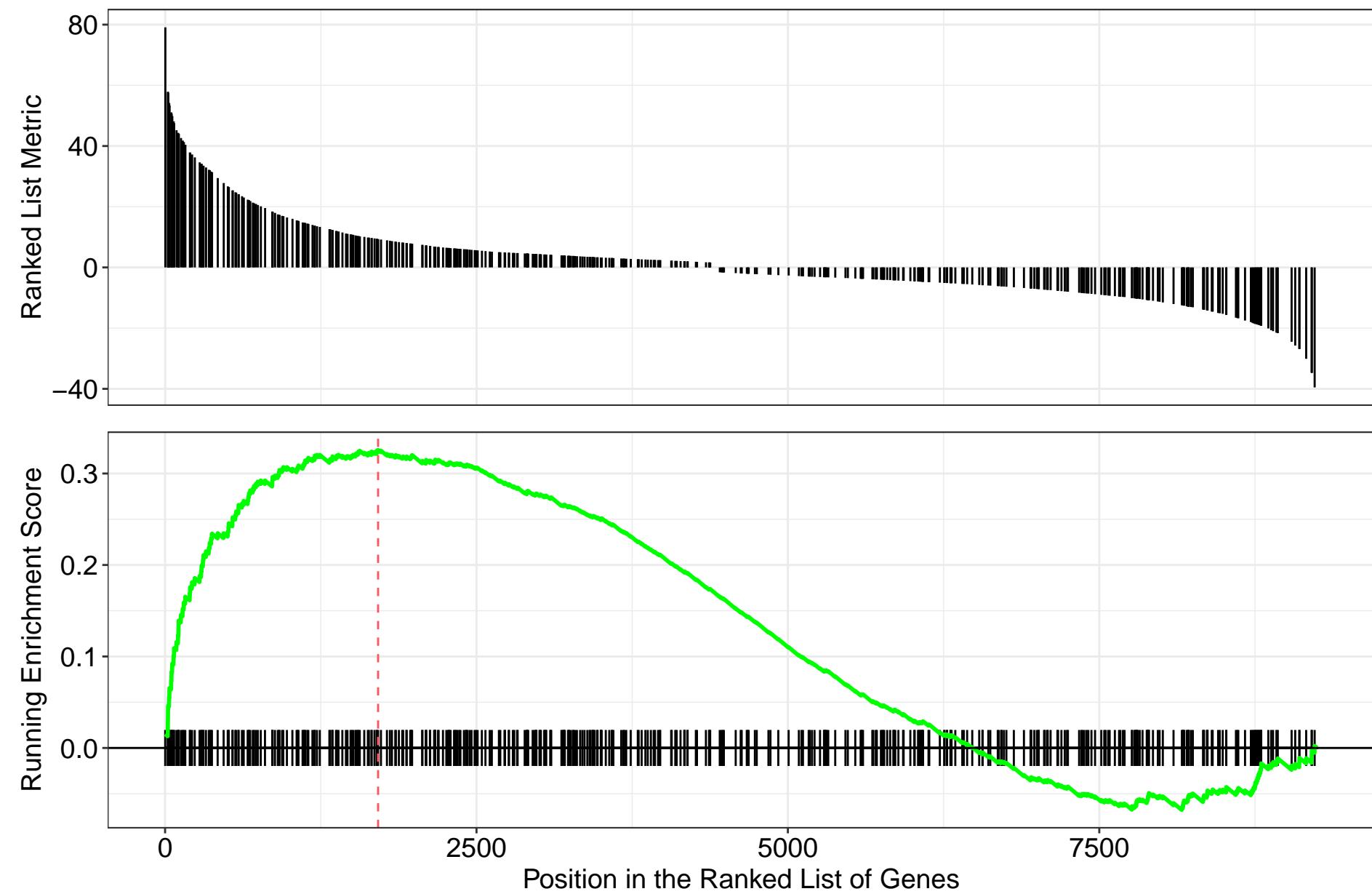
negative regulation of CD4-positive, alpha-beta T cell activation



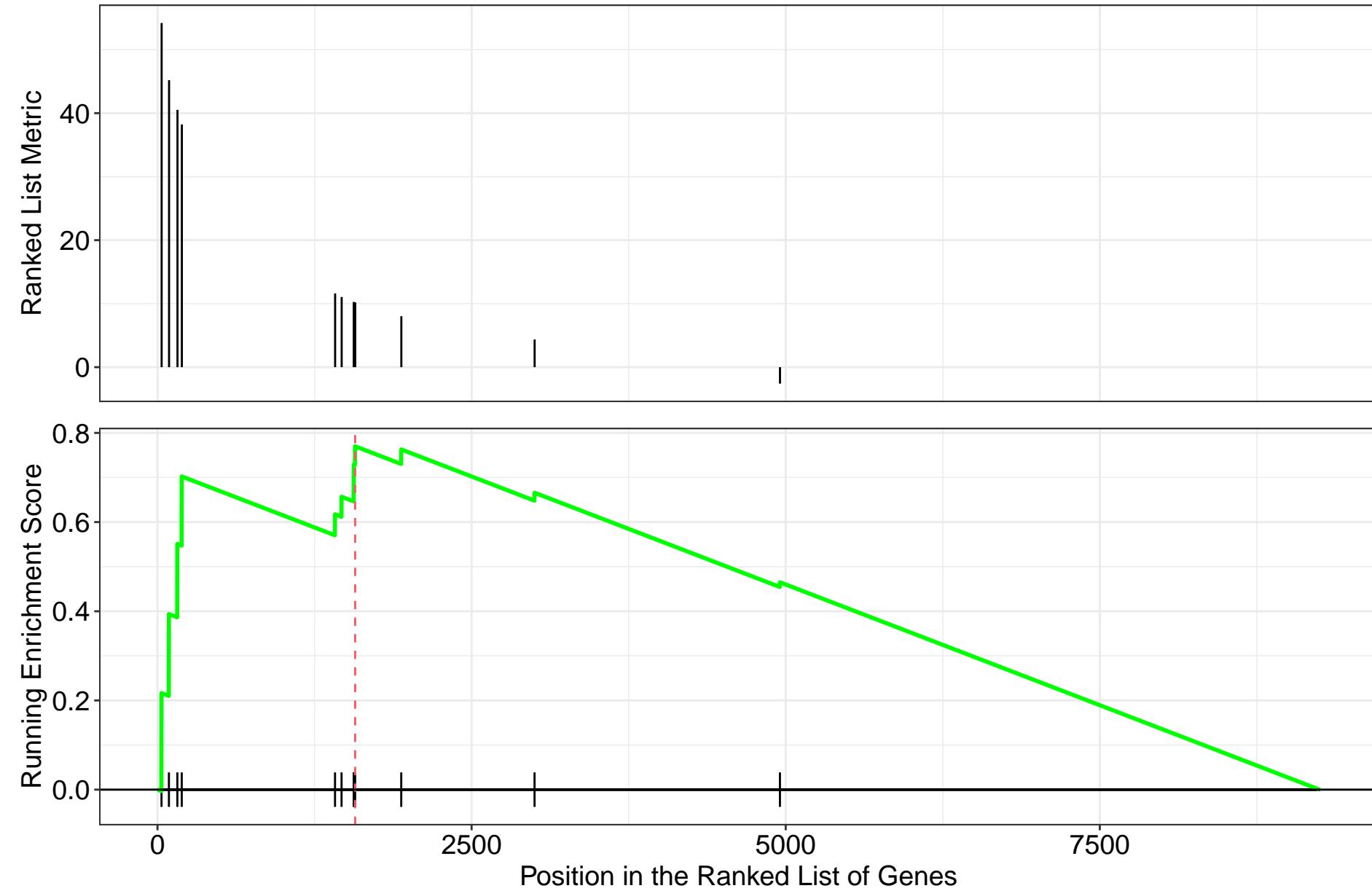
blood circulation



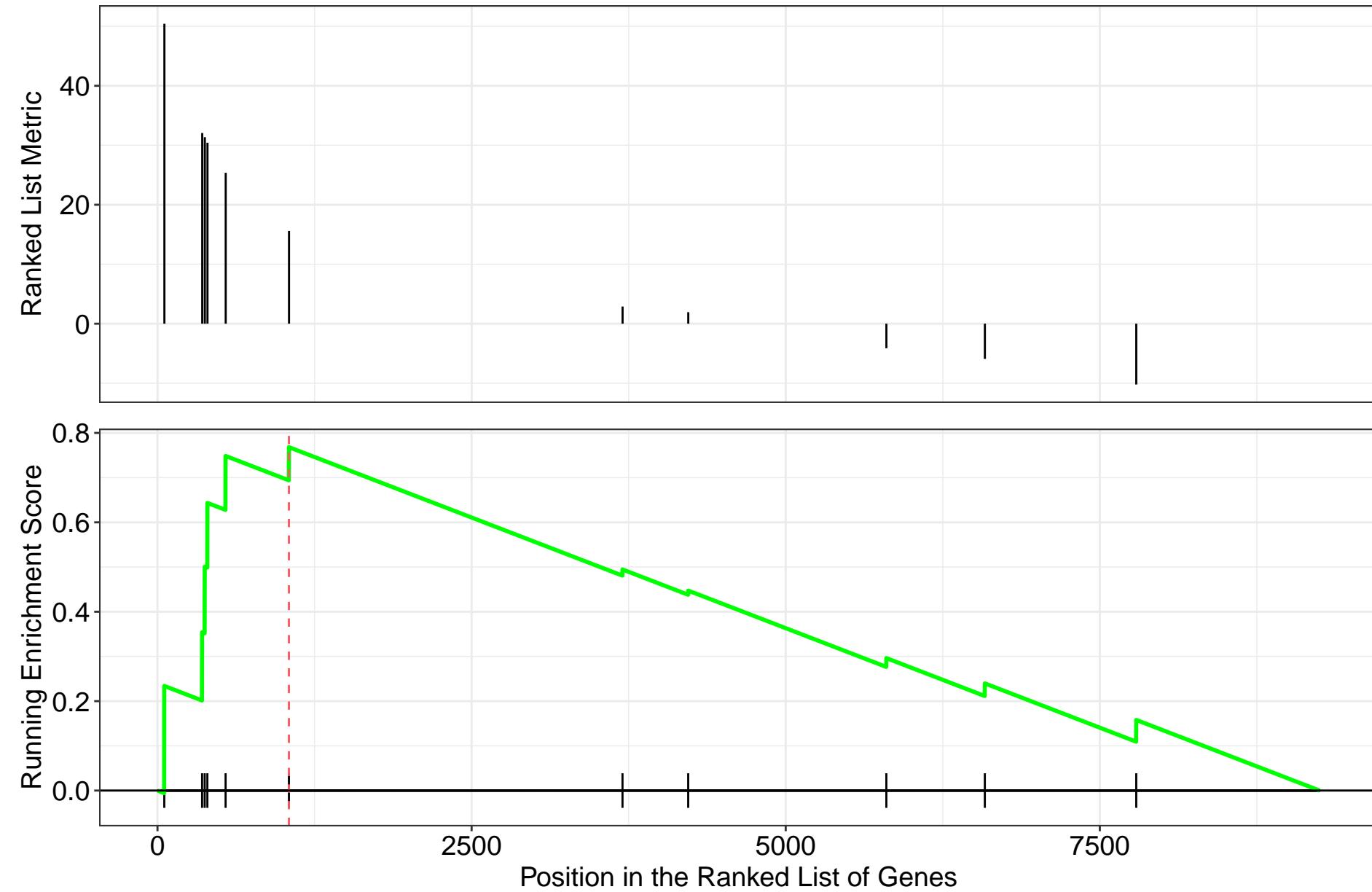
secretion



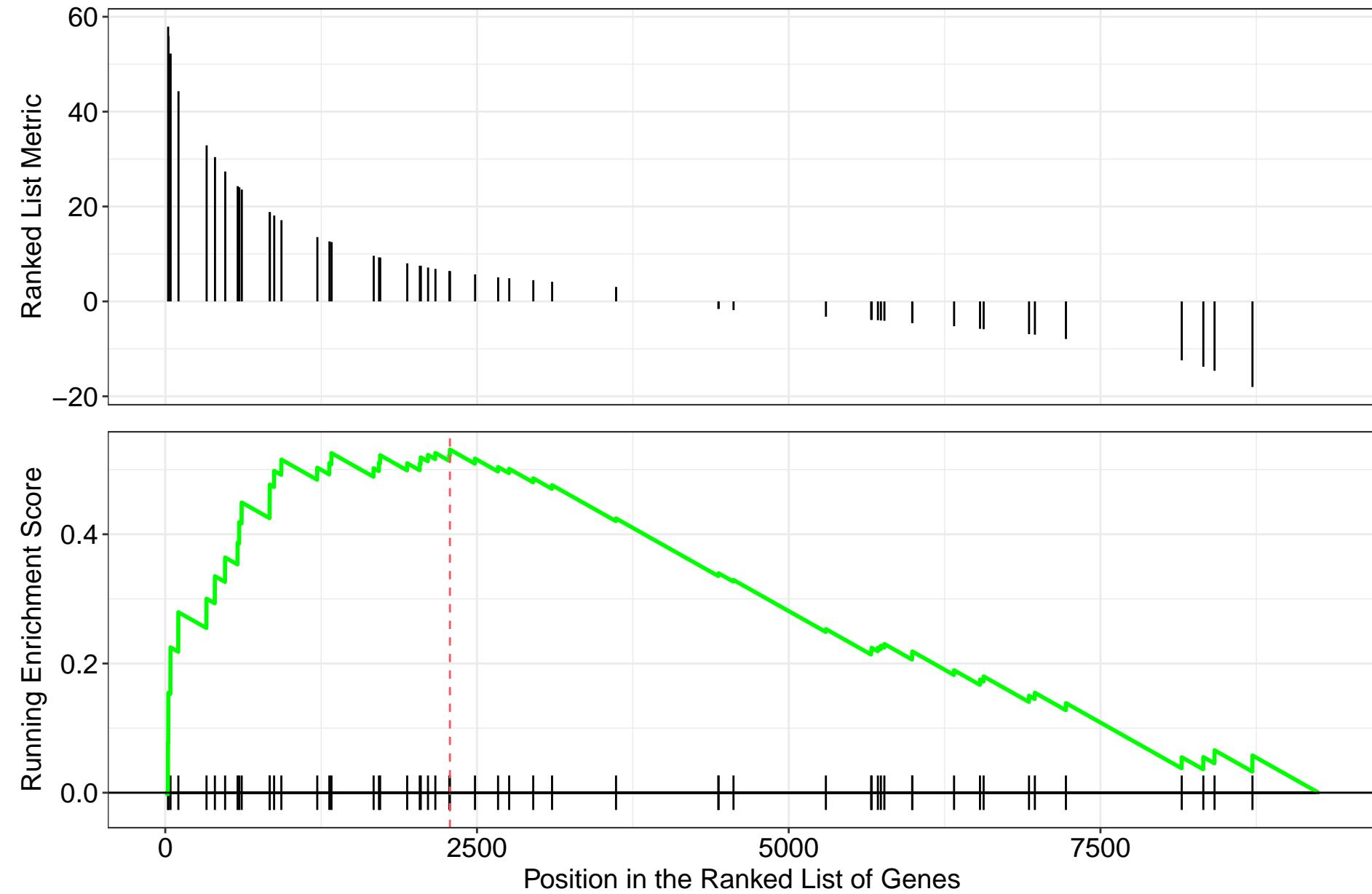
cellular response to interleukin-17



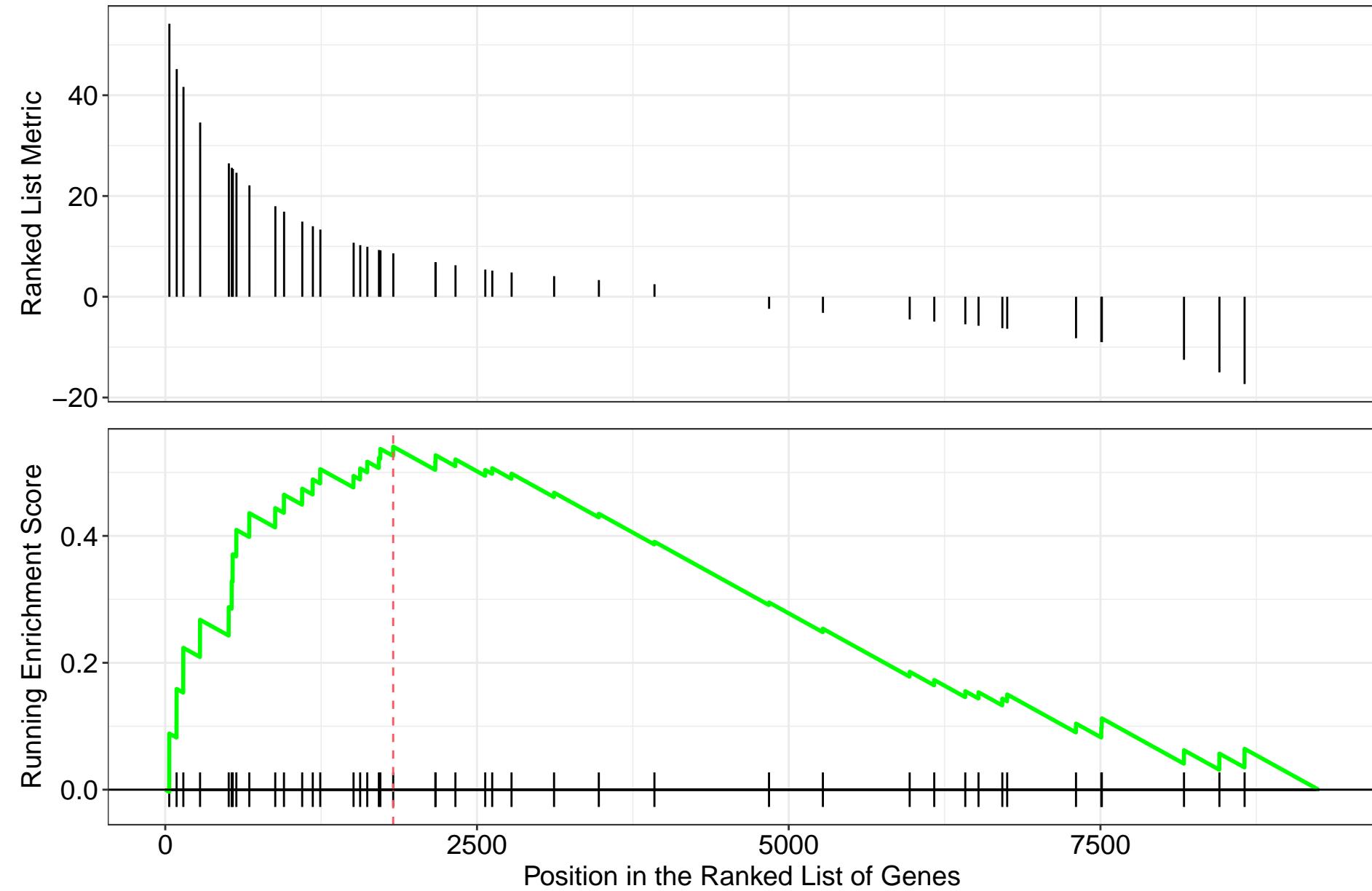
response to progesterone



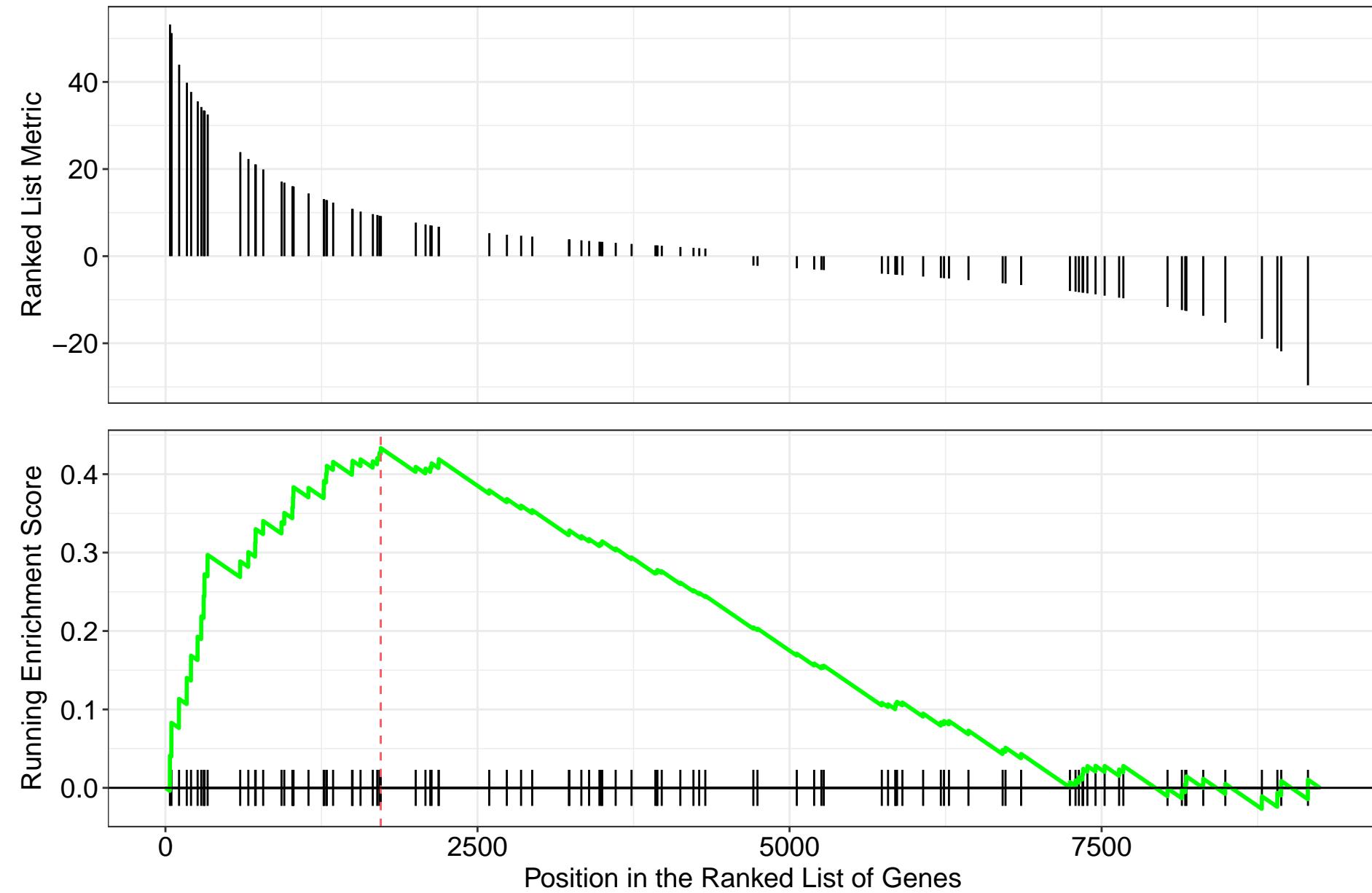
lymphocyte apoptotic process



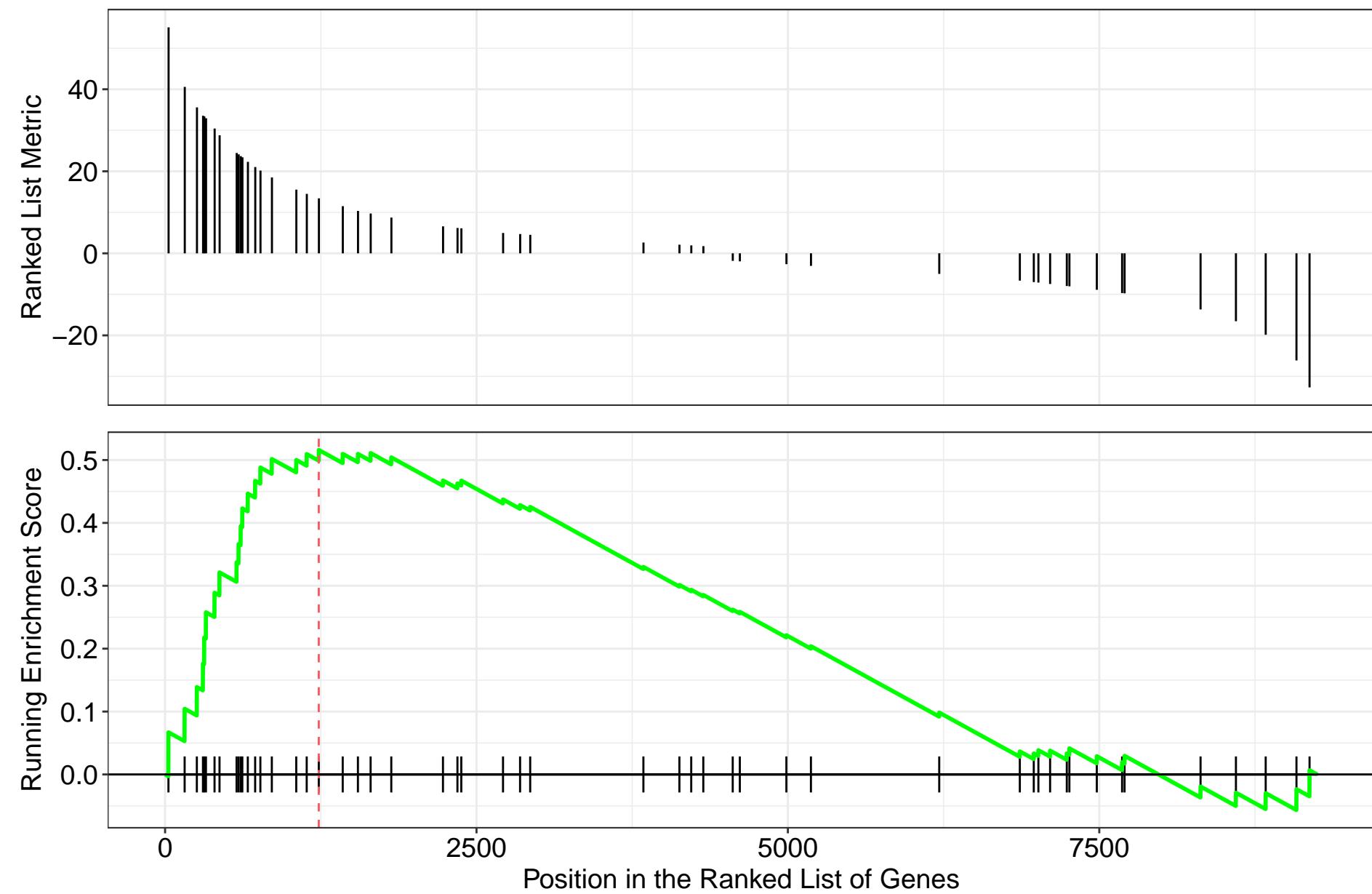
positive regulation of gliogenesis



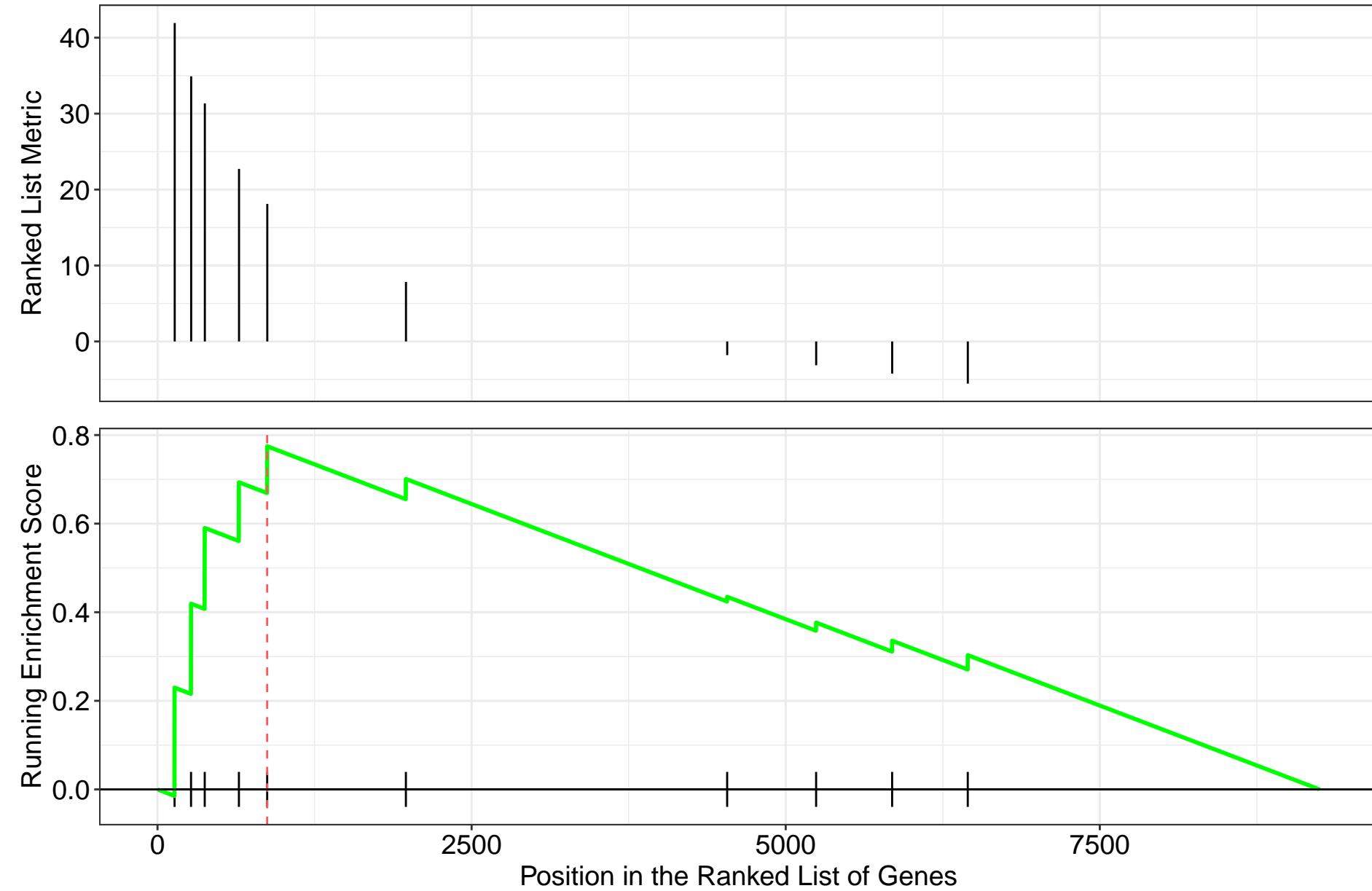
cardiac muscle tissue development



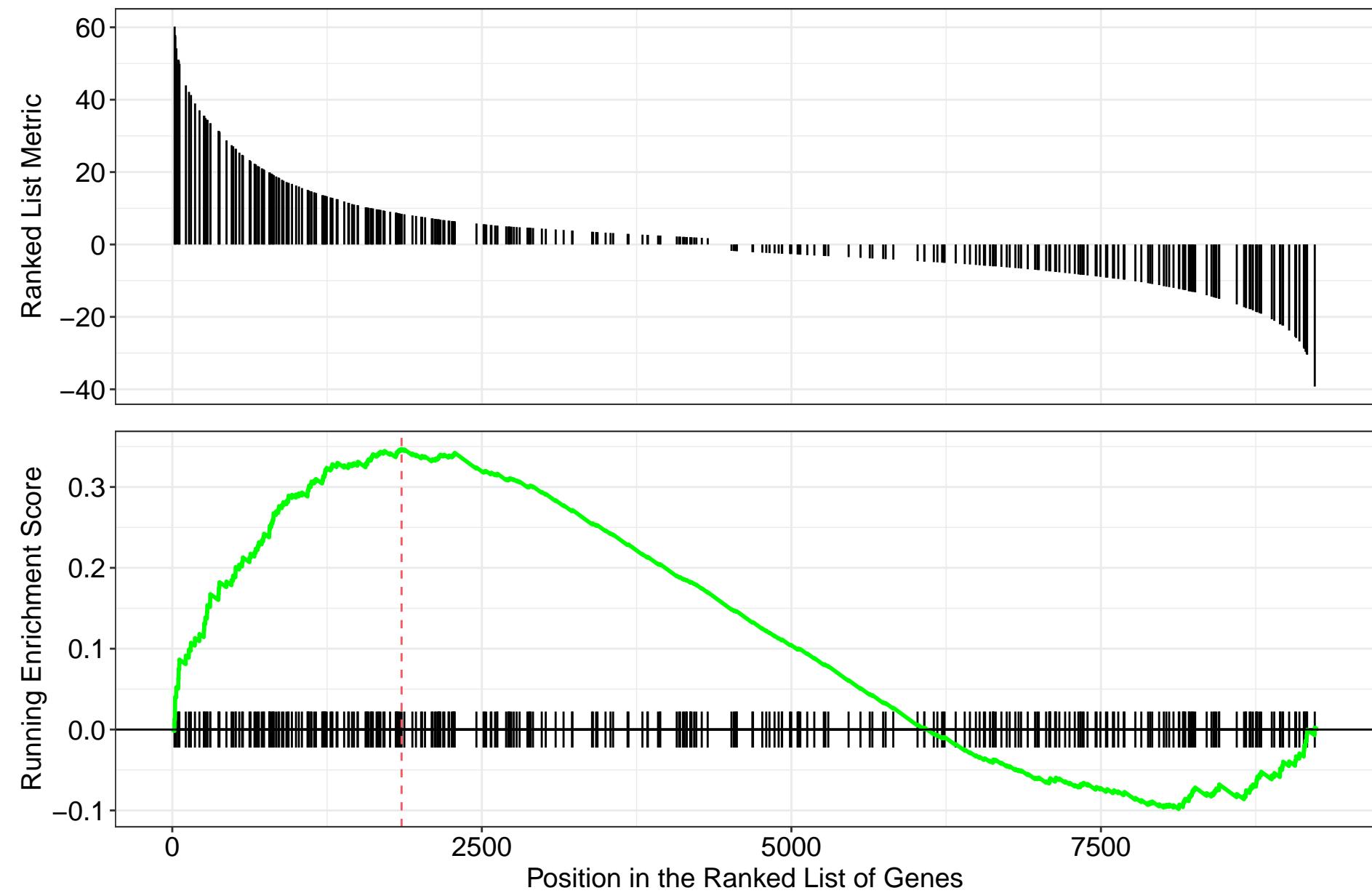
female gonad development



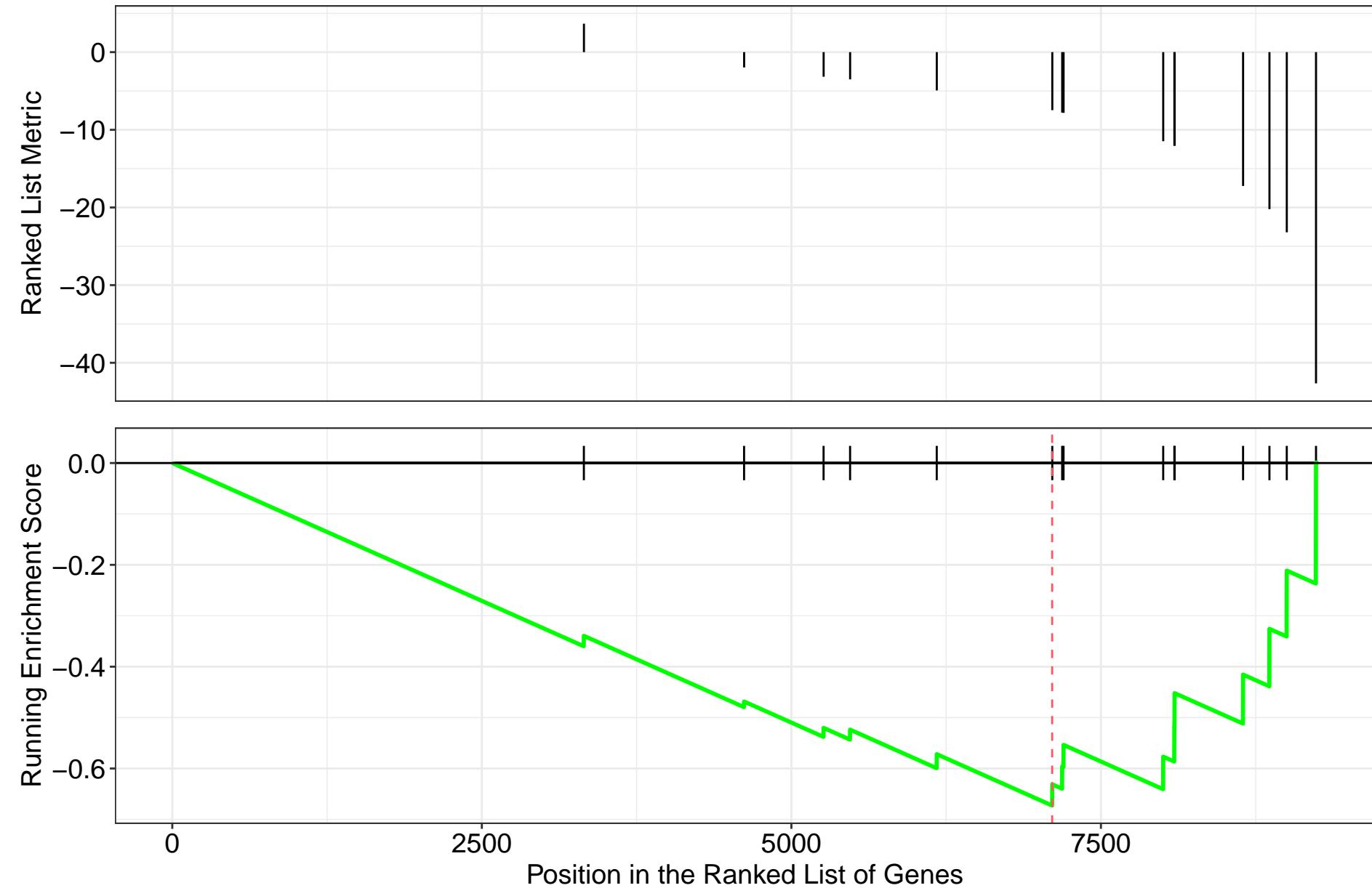
response to increased oxygen levels



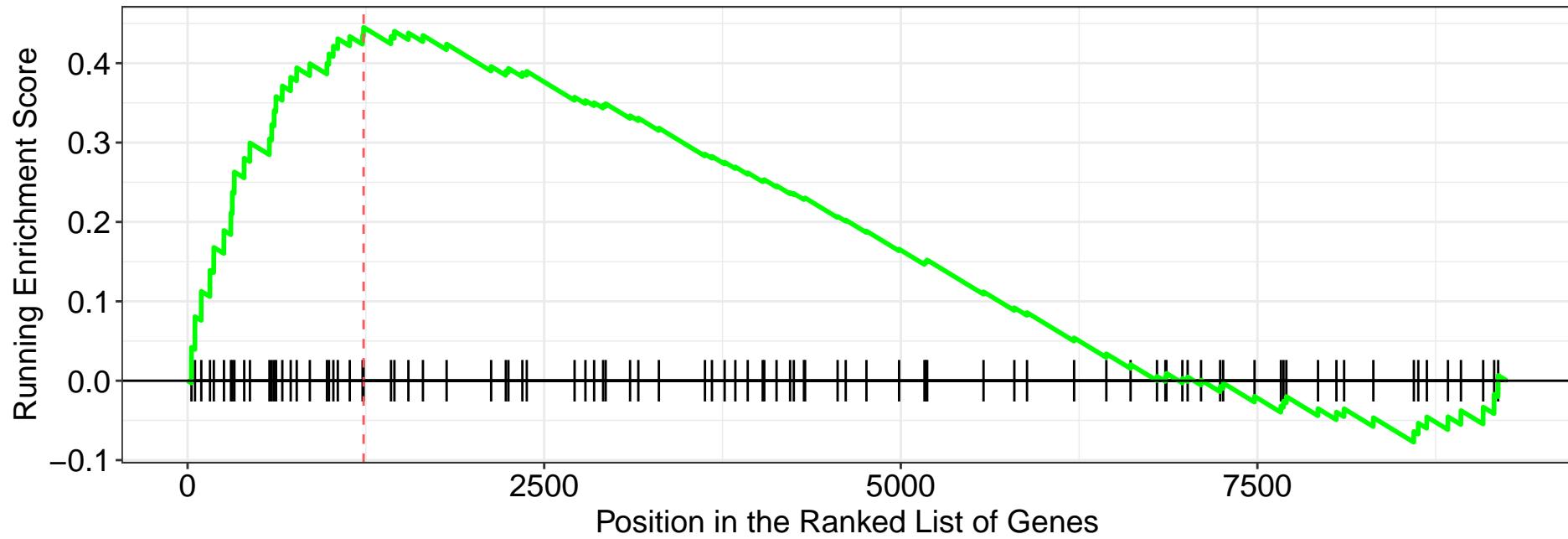
blood vessel morphogenesis



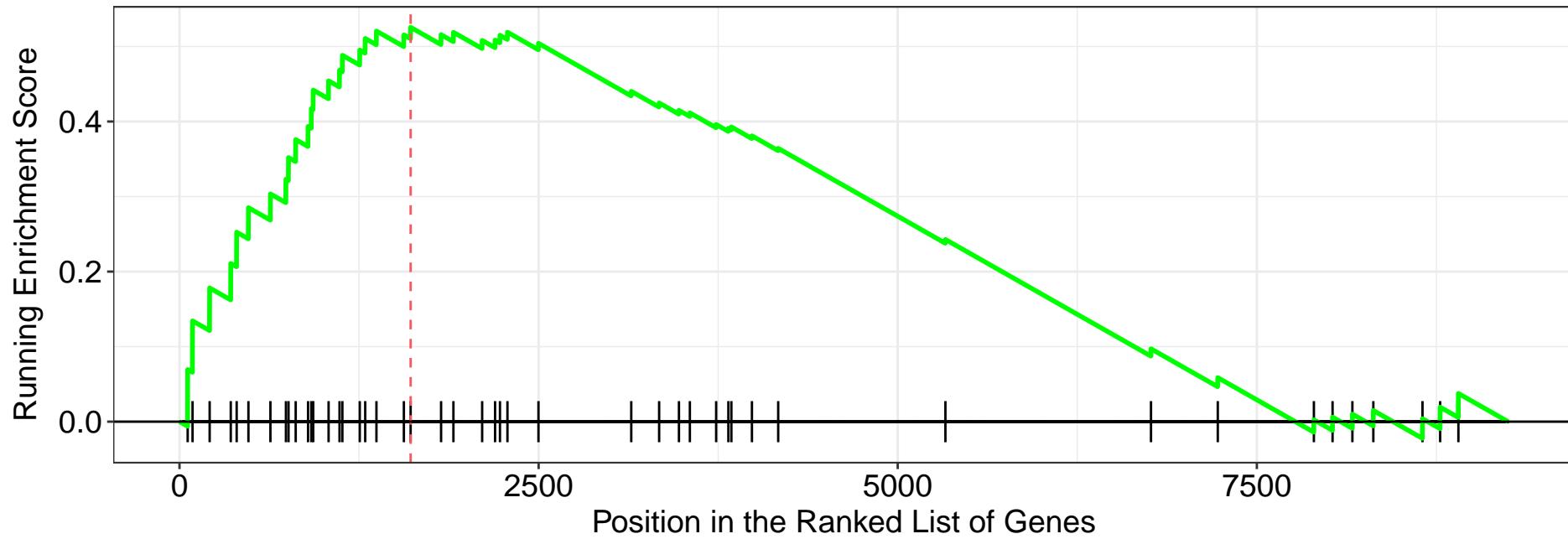
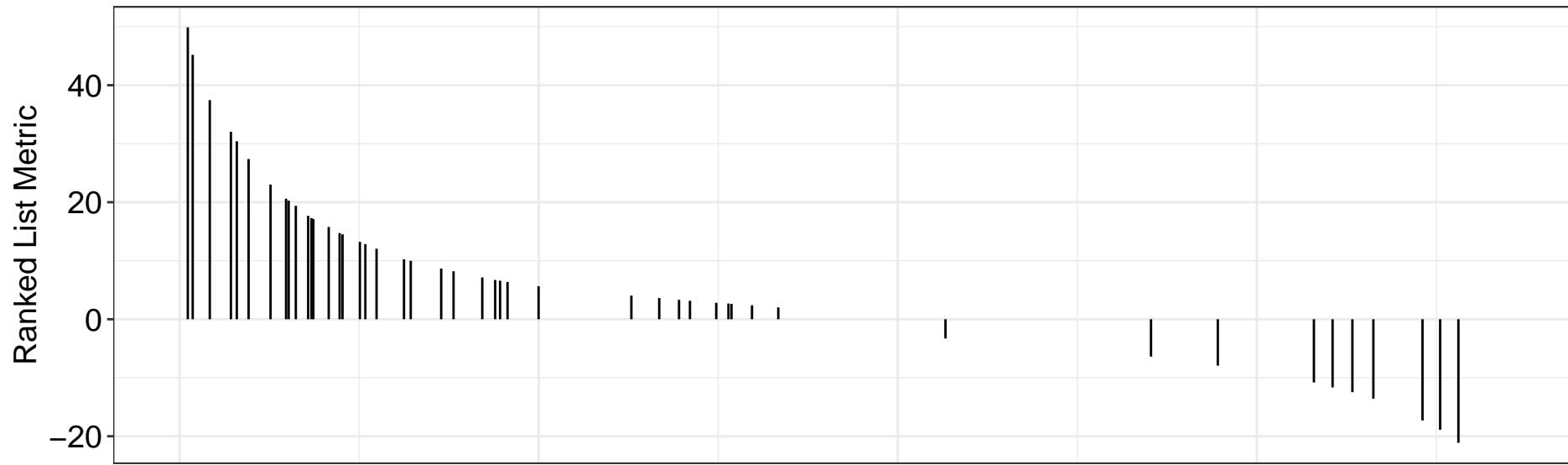
meiotic chromosome separation



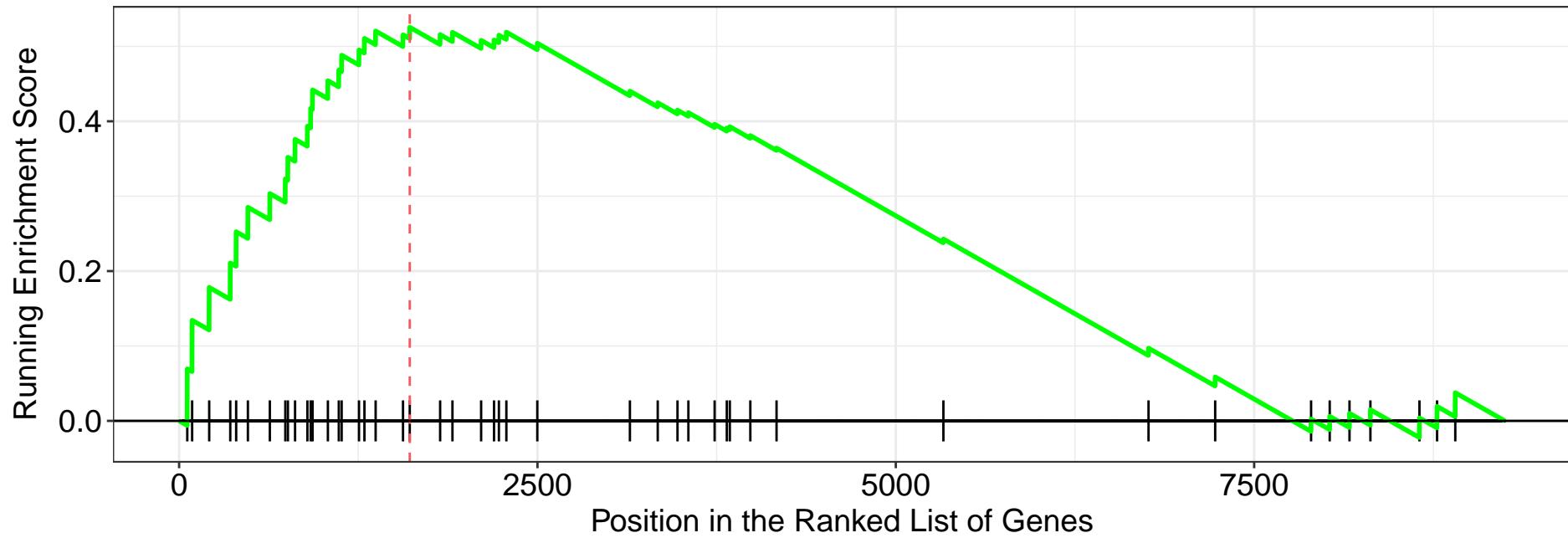
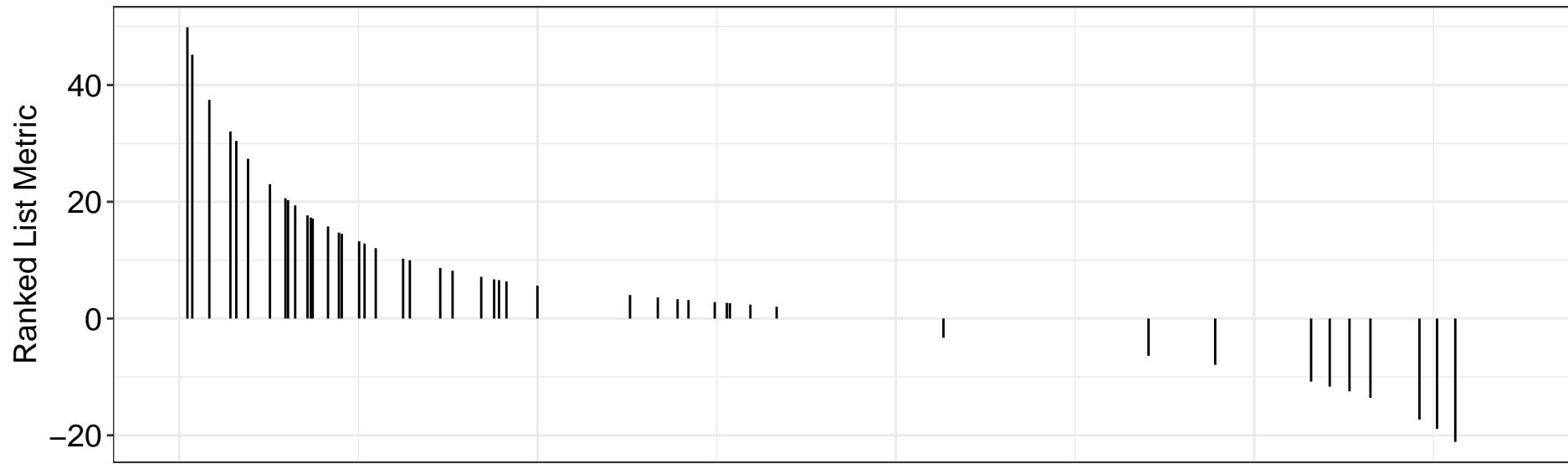
development of primary sexual characteristics



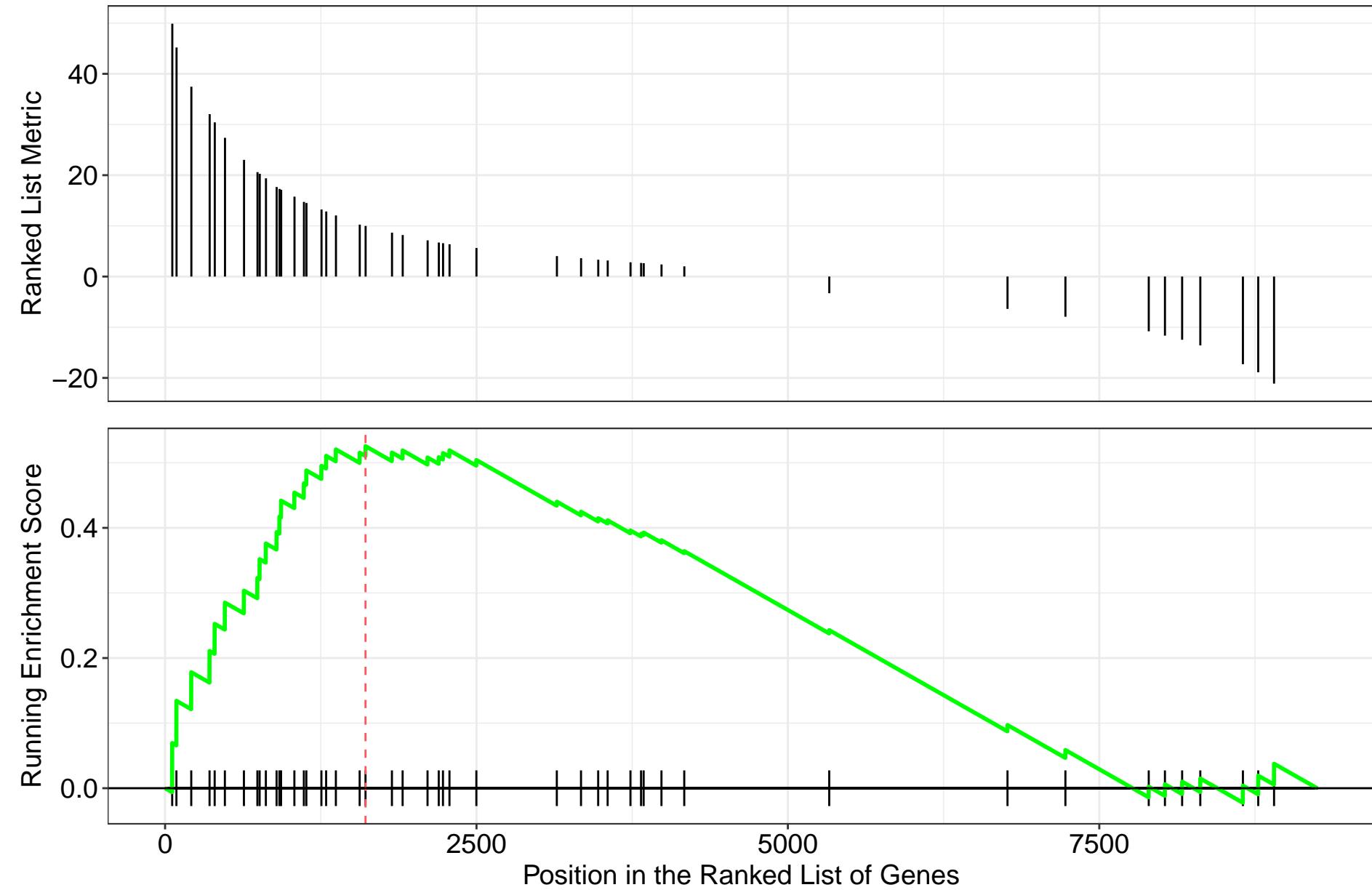
alpha–beta T cell differentiation involved in immune response



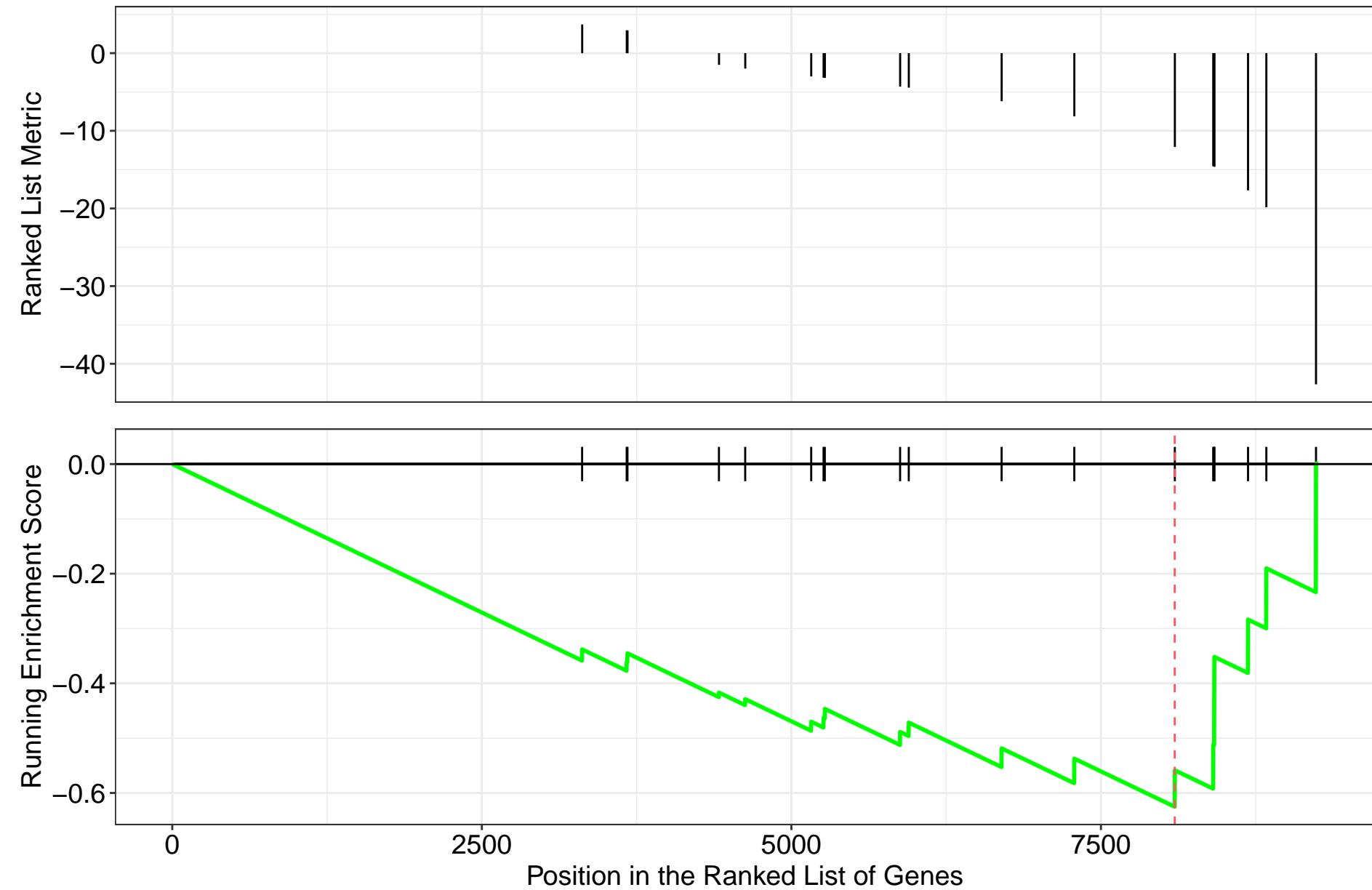
CD4-positive, alpha-beta T cell differentiation involved in immune response



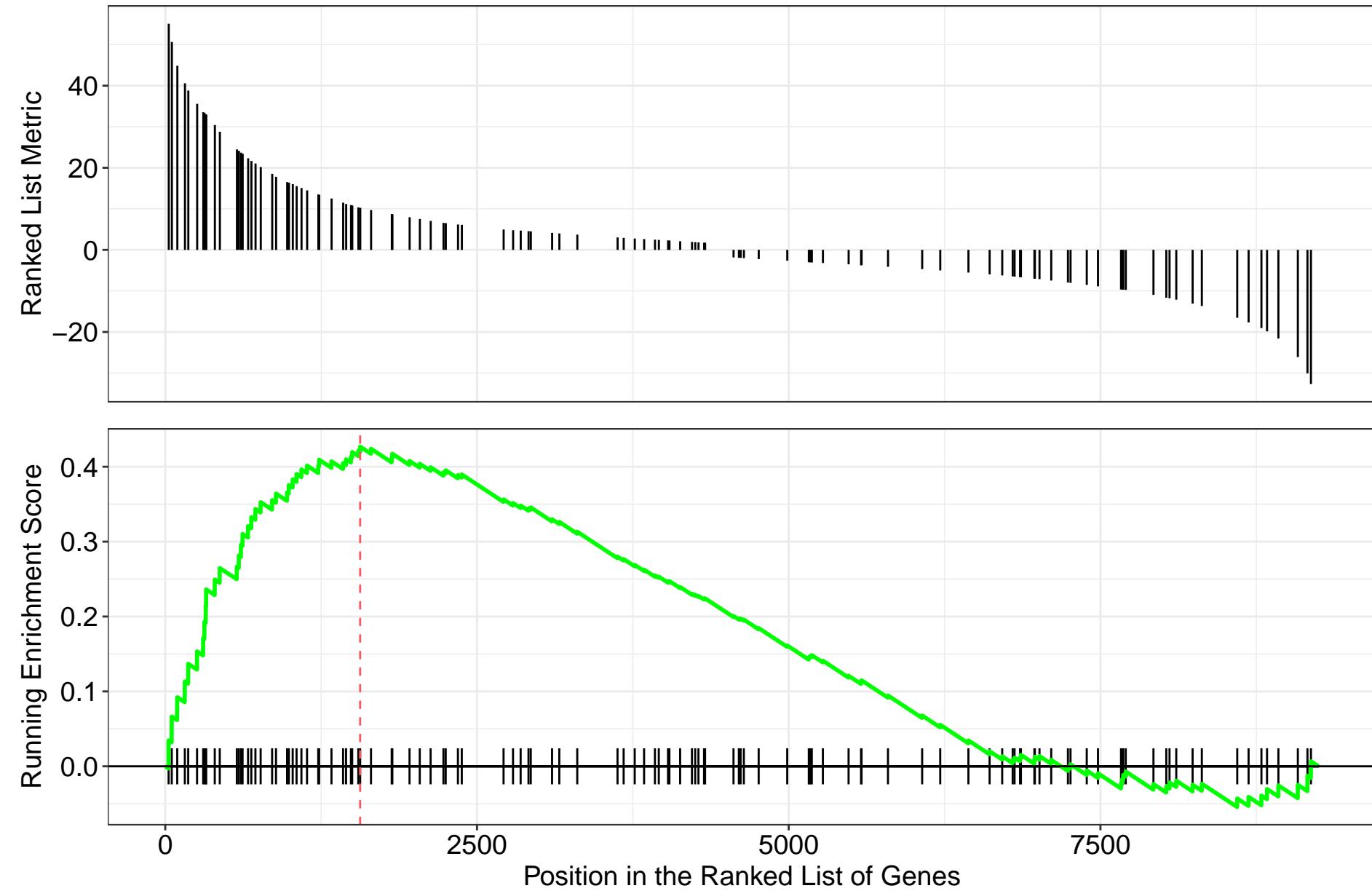
T-helper cell differentiation



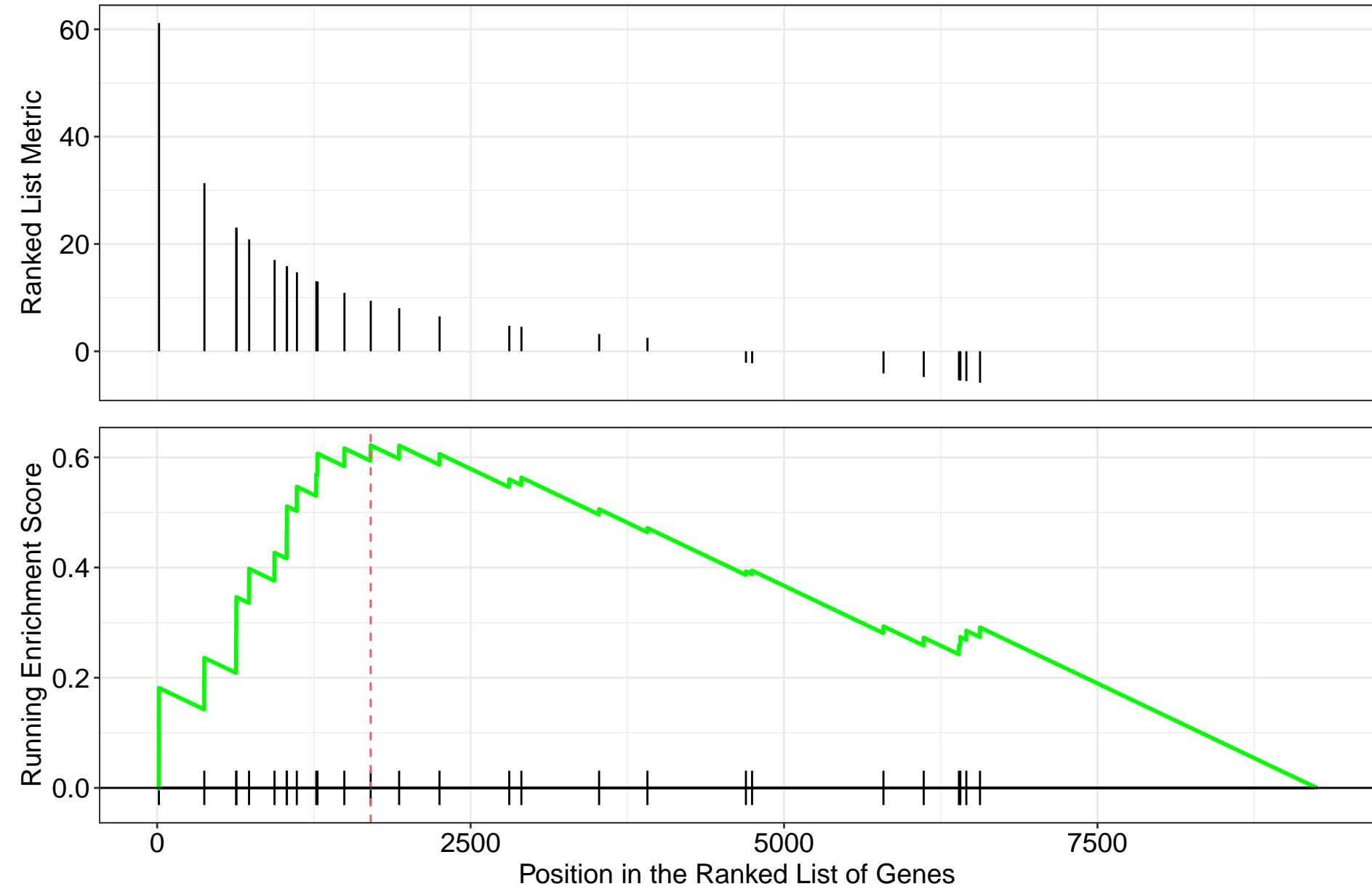
mitotic recombination



reproductive system development

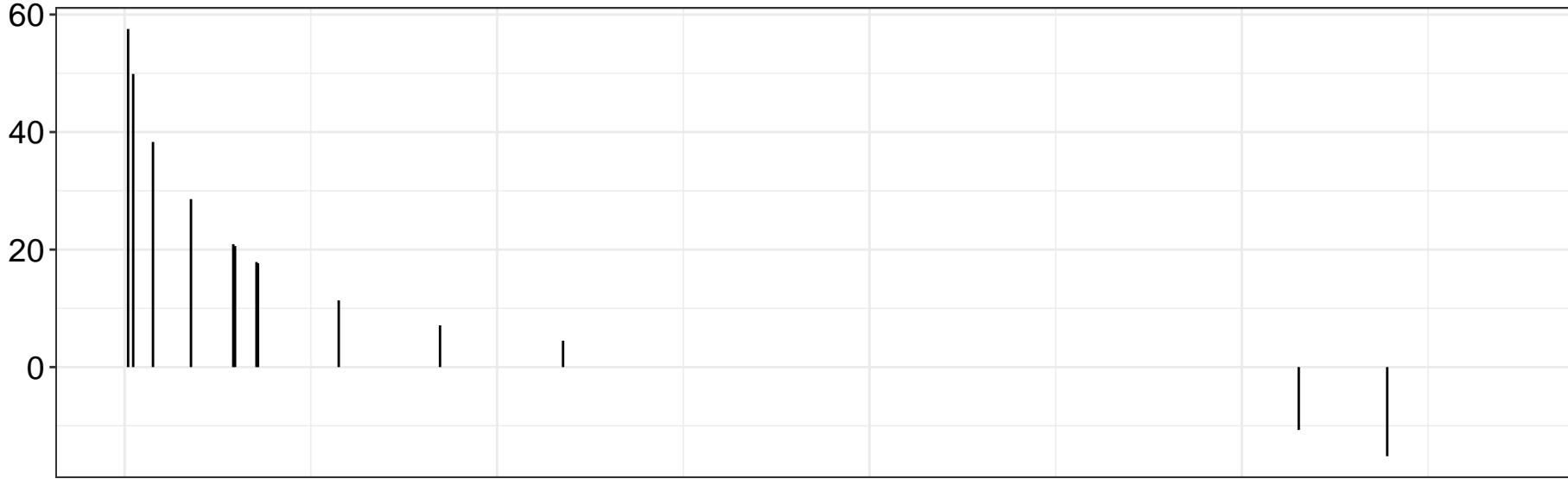


response to dsRNA



natural killer cell proliferation

Ranked List Metric



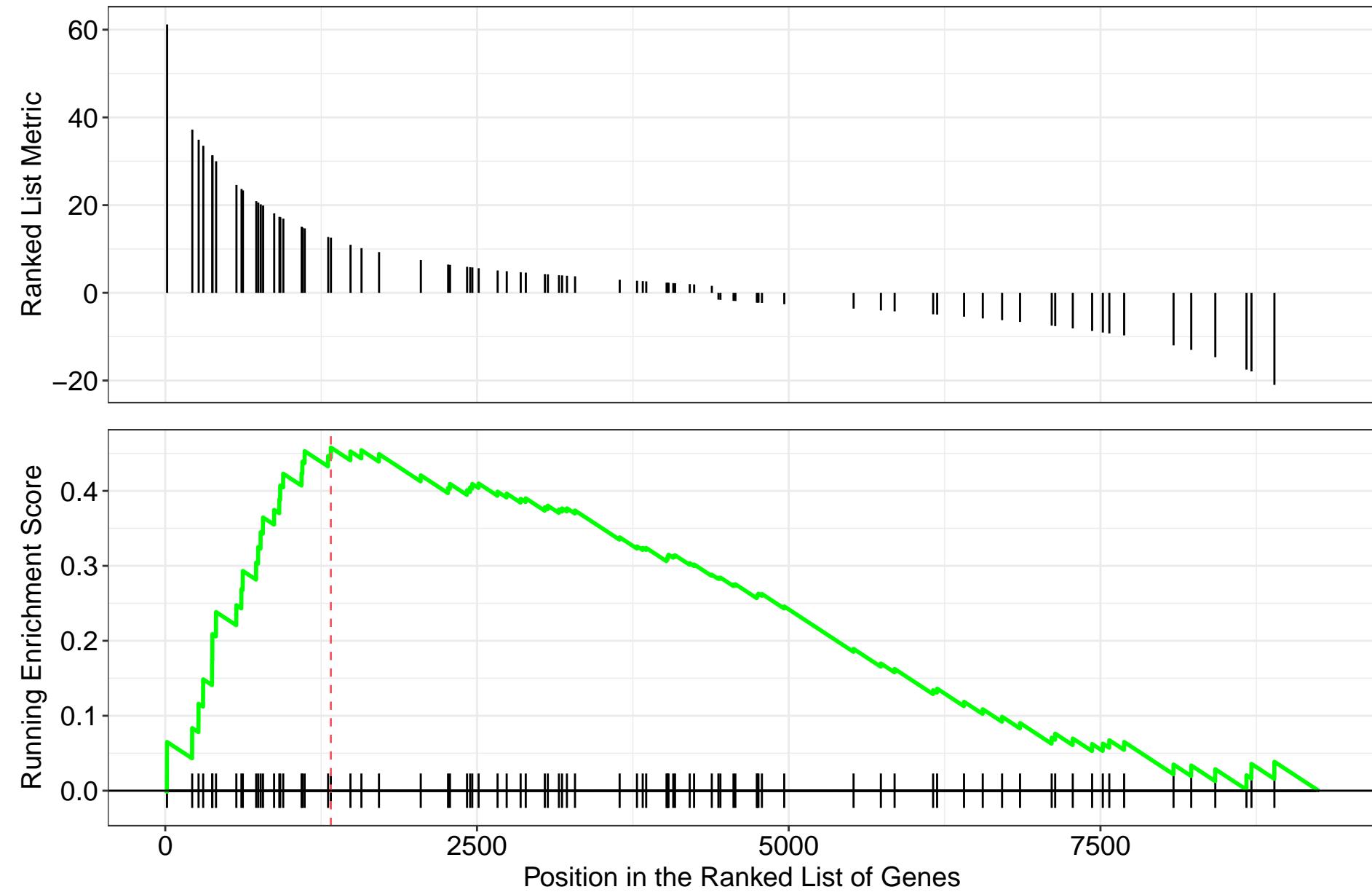
Running Enrichment Score

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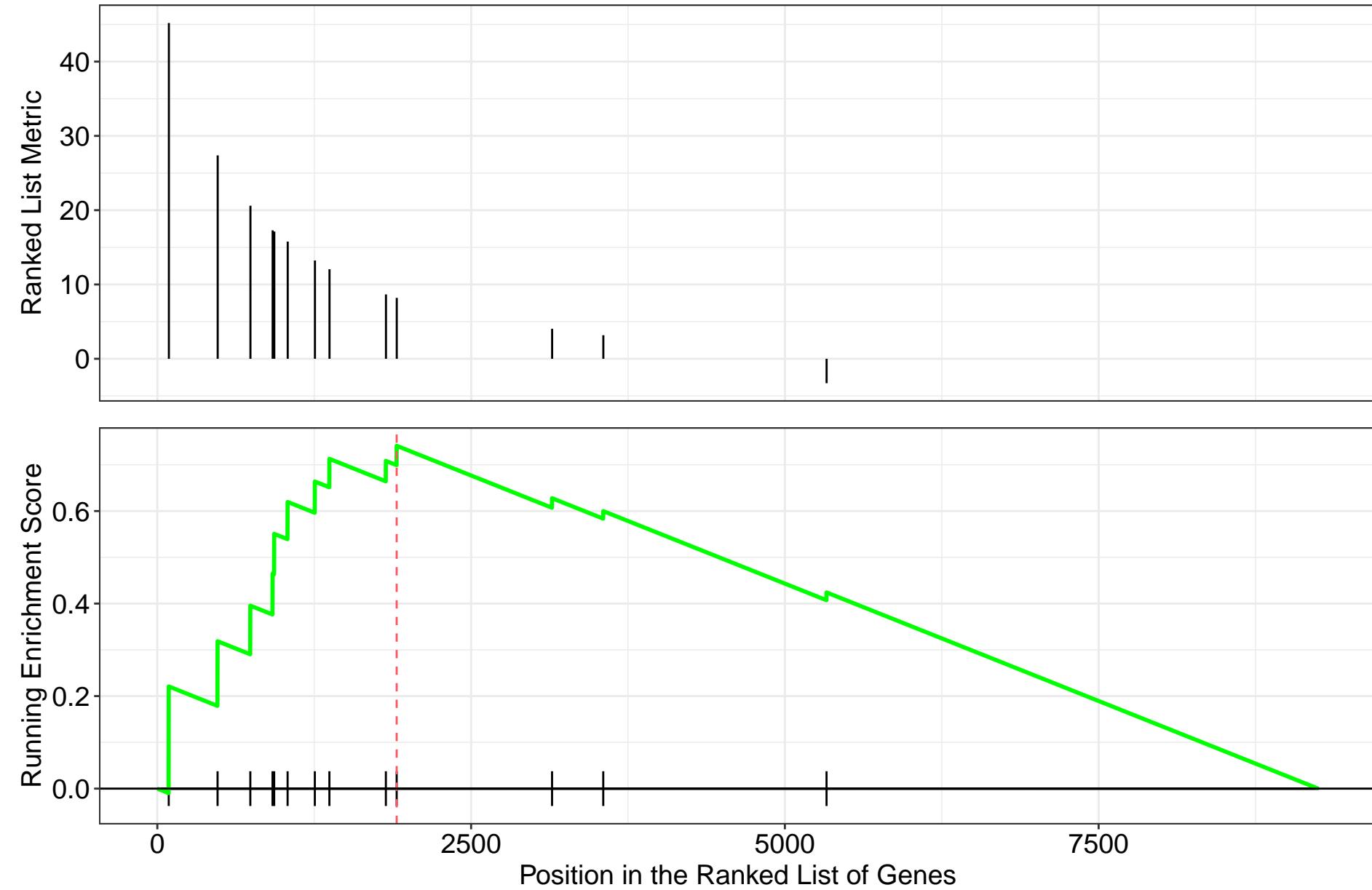
Position in the Ranked List of Genes



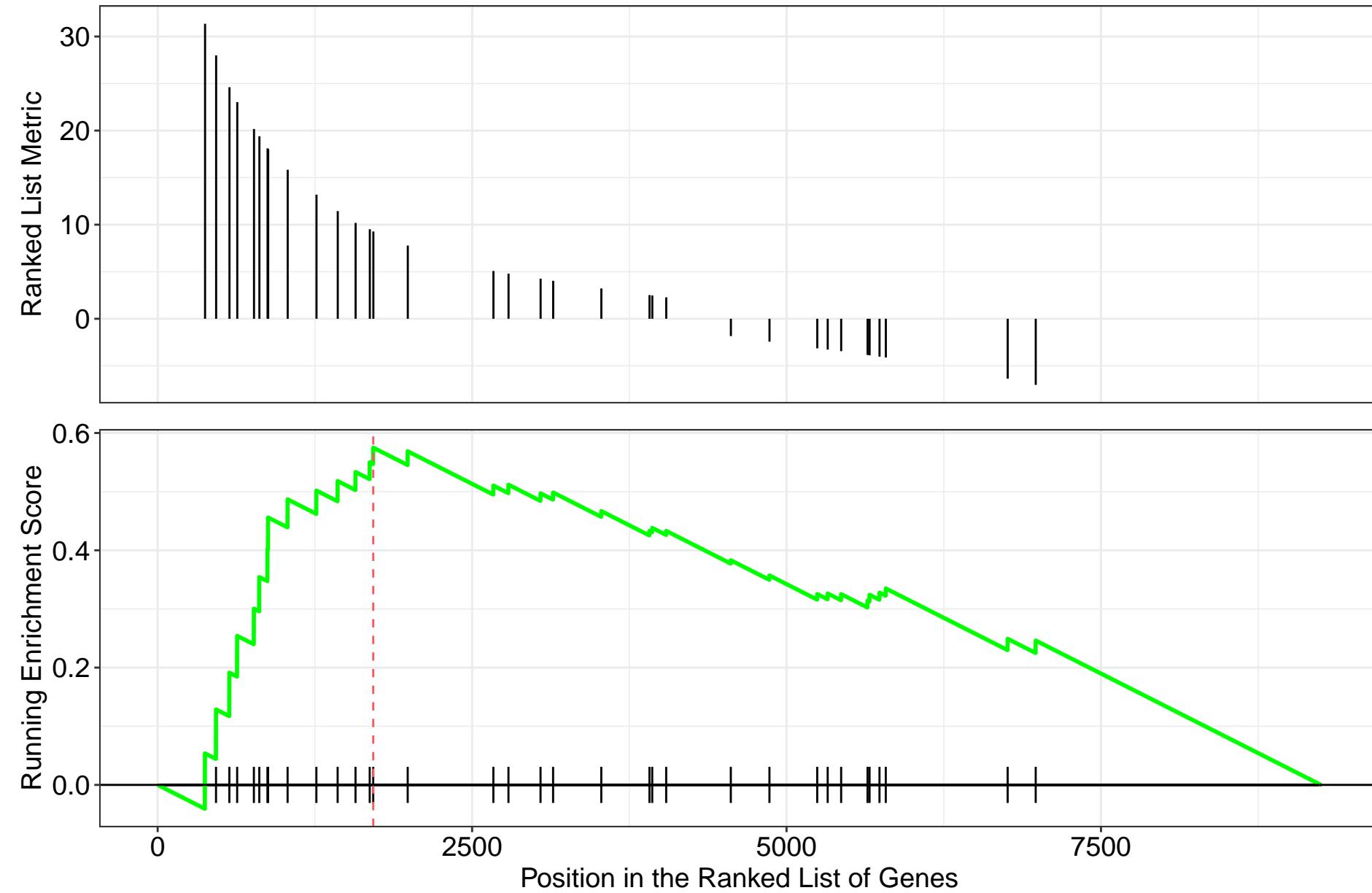
positive regulation of apoptotic signaling pathway



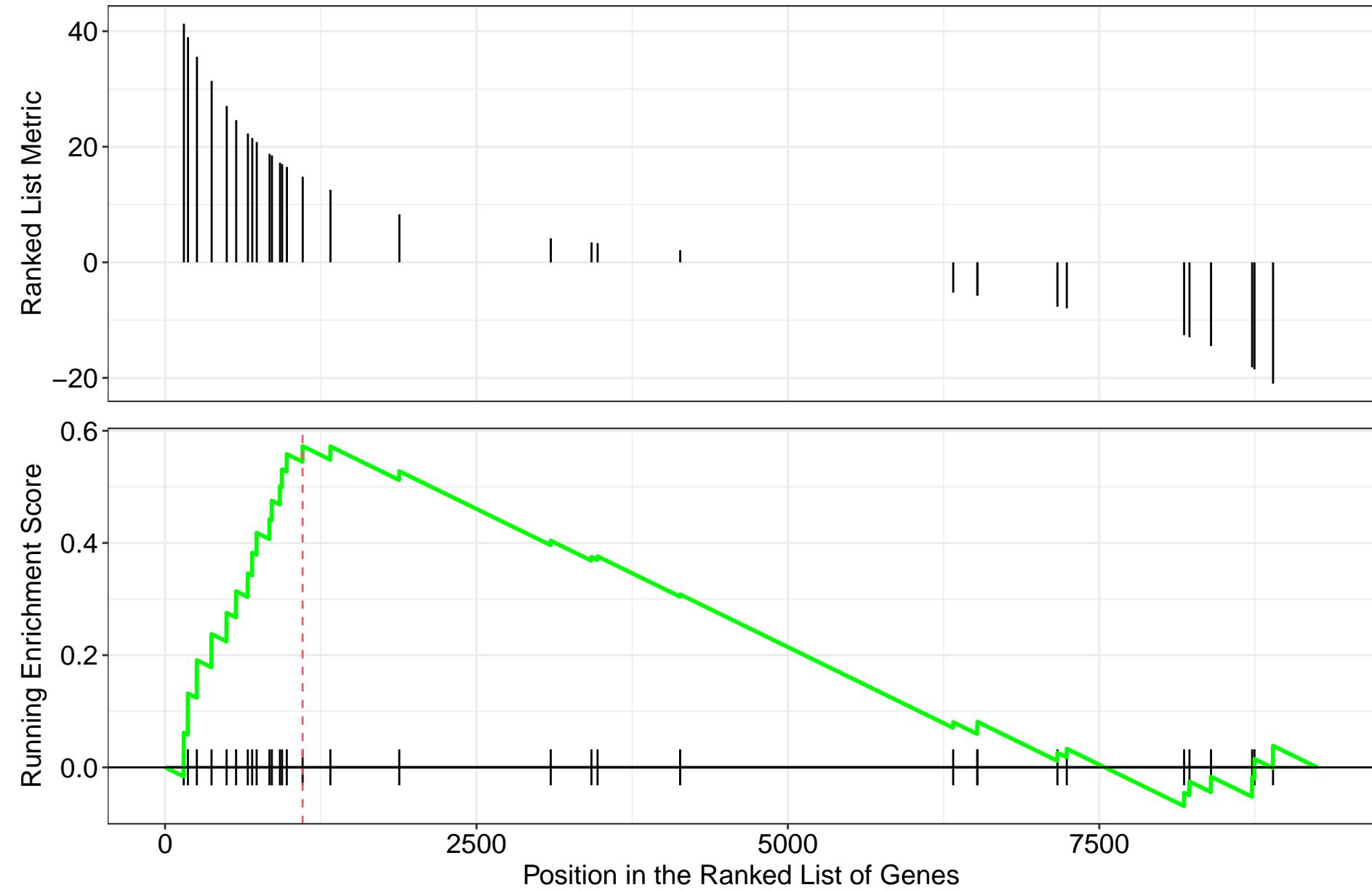
T-helper 2 cell differentiation



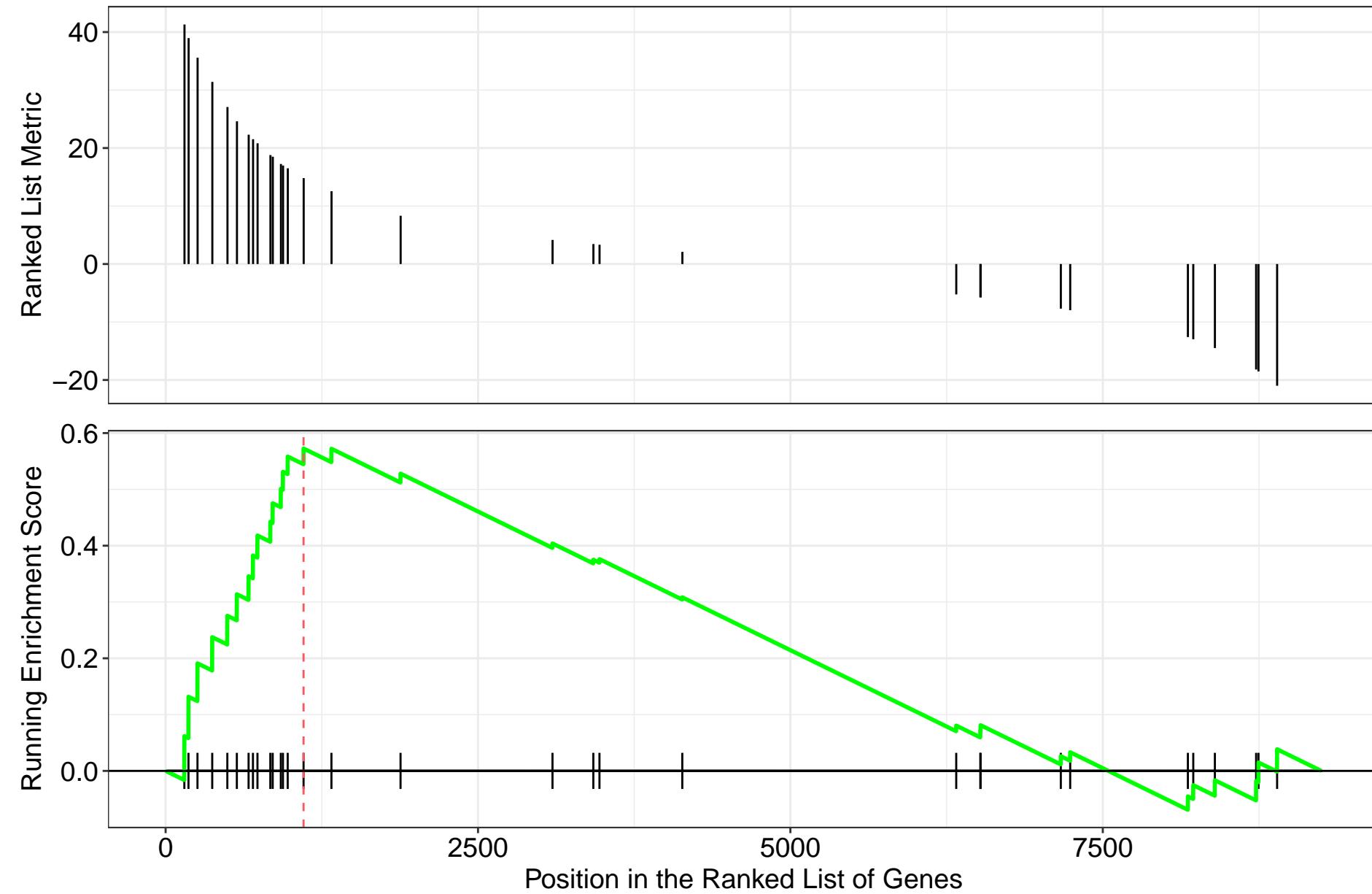
programmed necrotic cell death



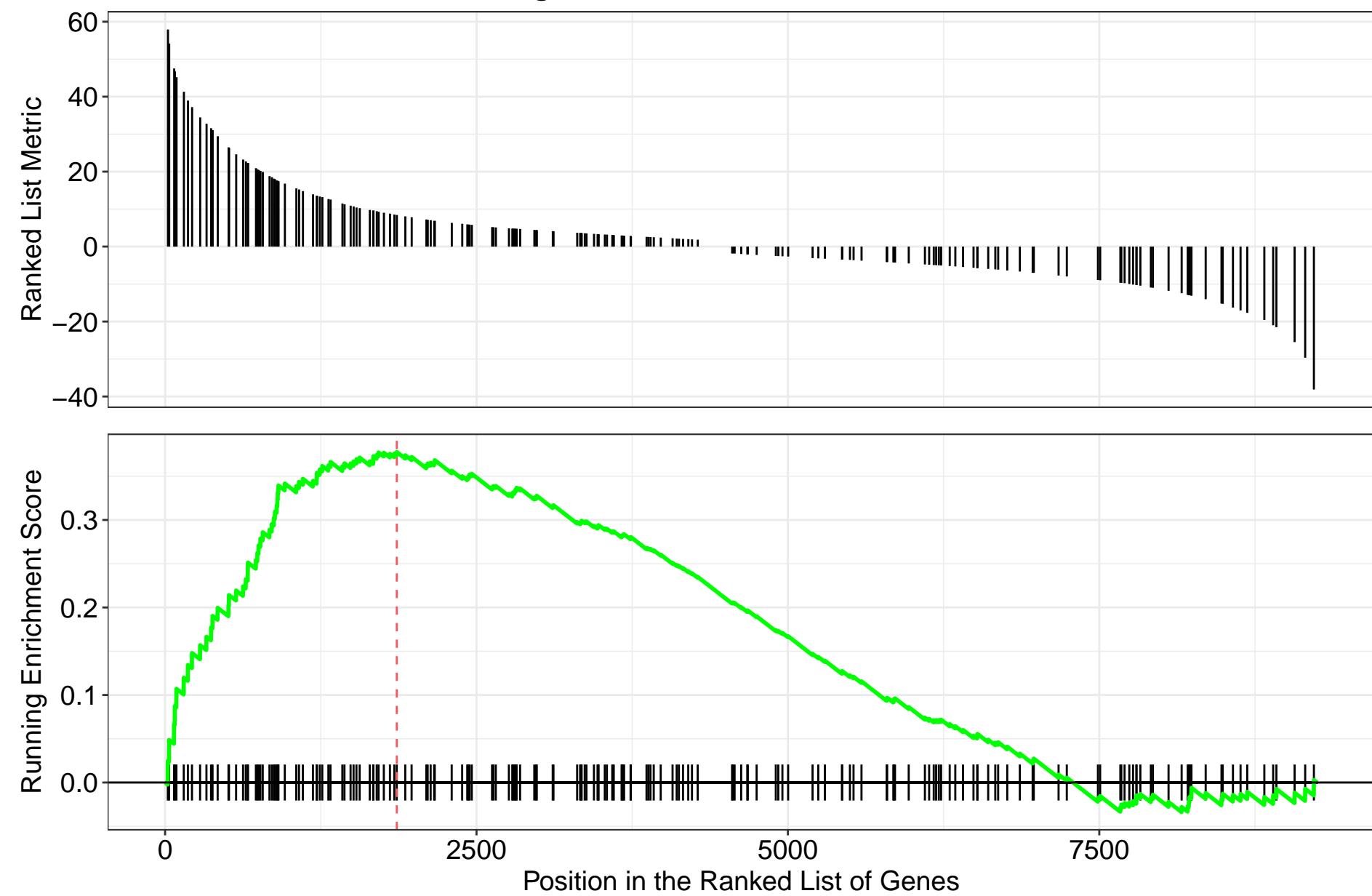
endothelial cell apoptotic process



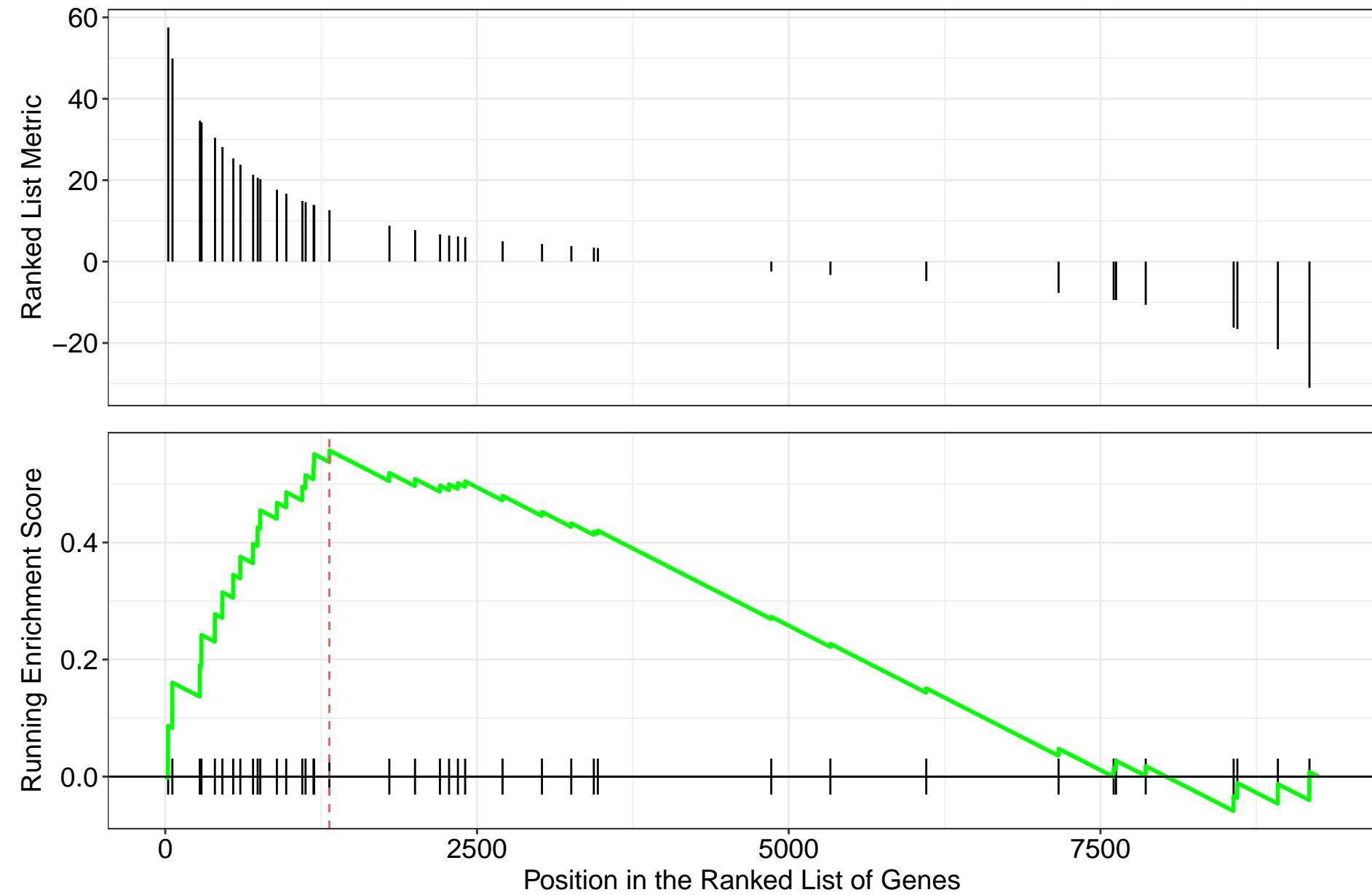
regulation of endothelial cell apoptotic process



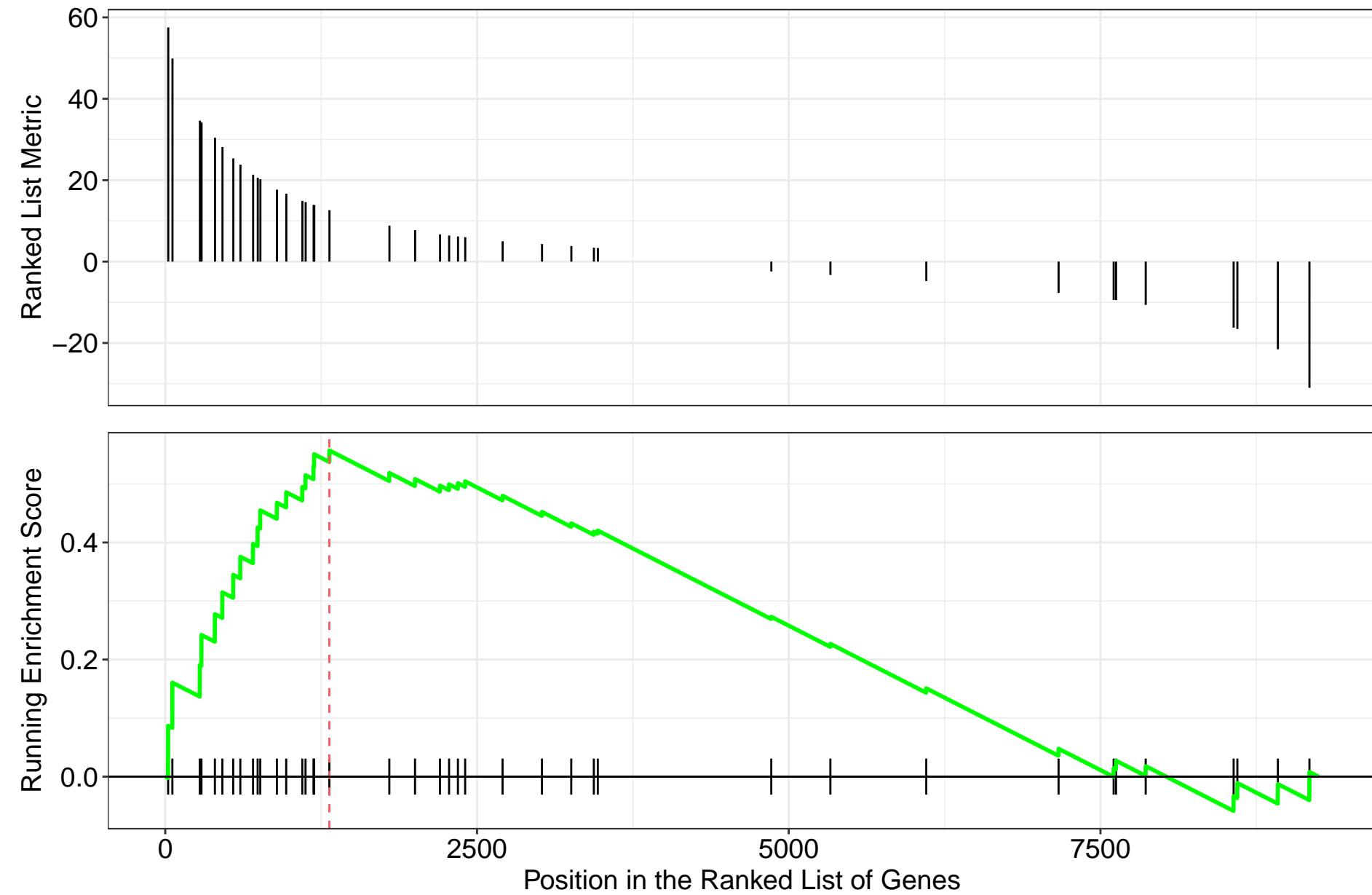
regulation of neuron death



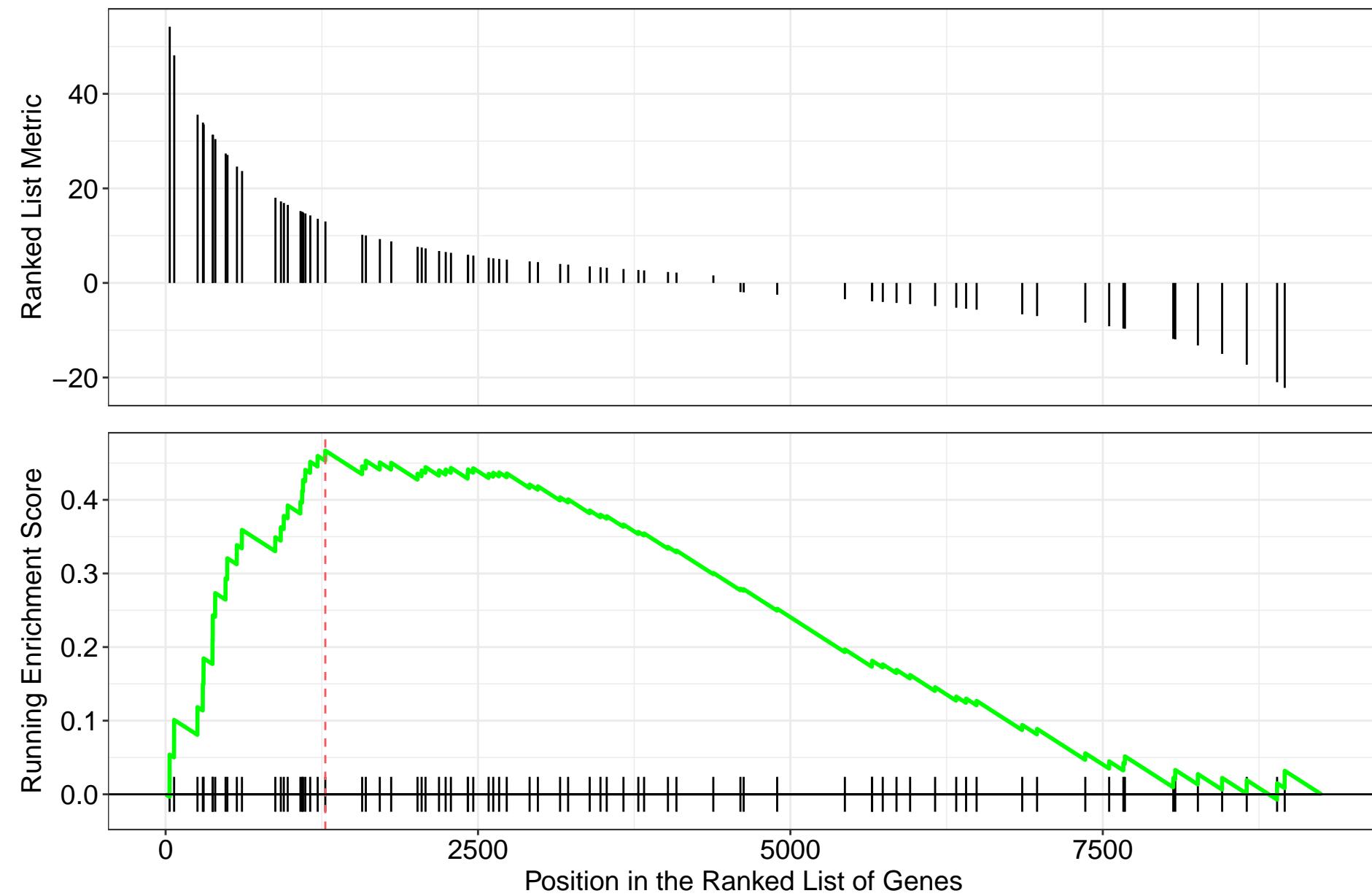
natural killer cell mediated immunity



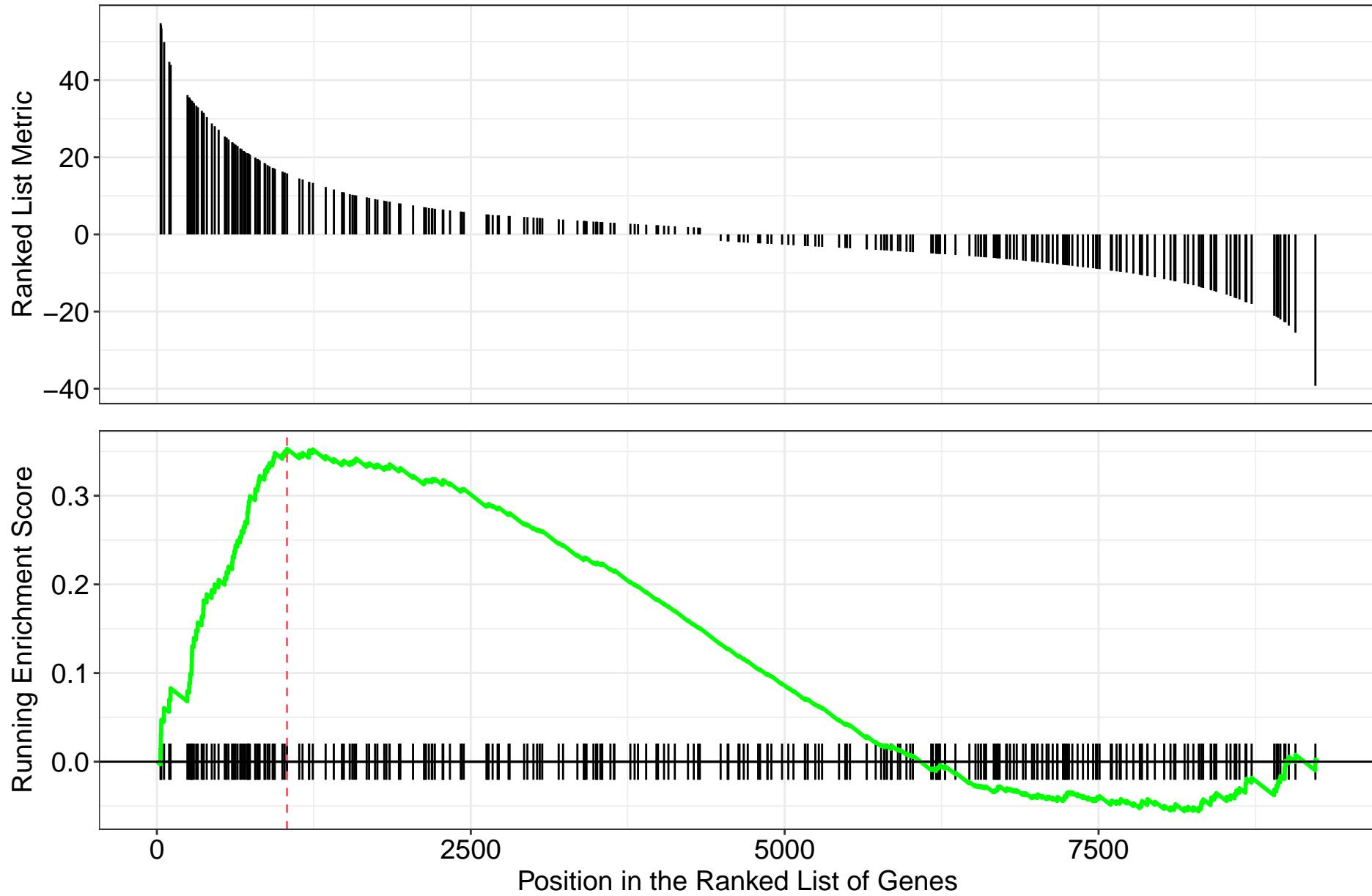
natural killer cell mediated cytotoxicity



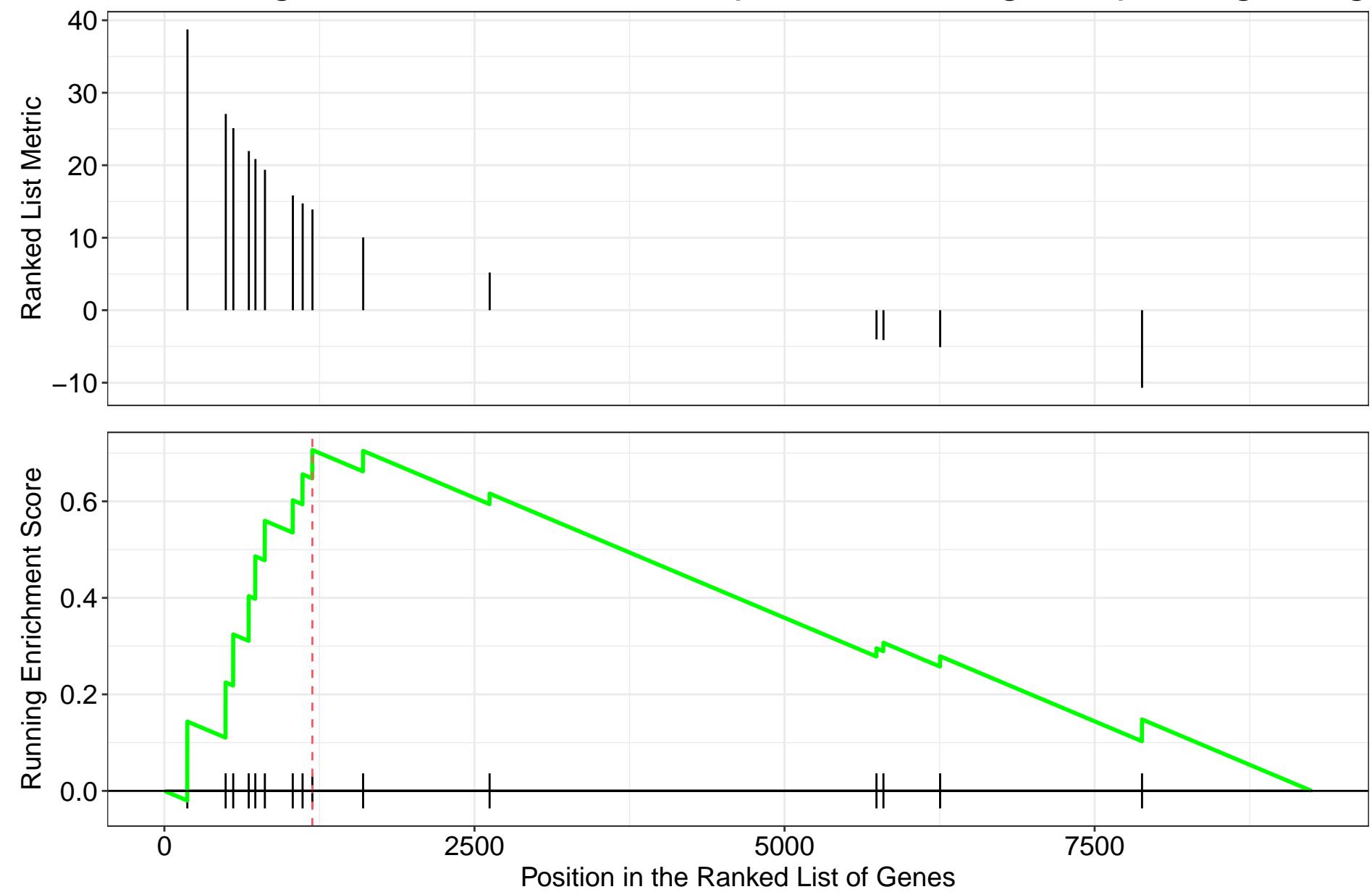
regulation of extrinsic apoptotic signaling pathway



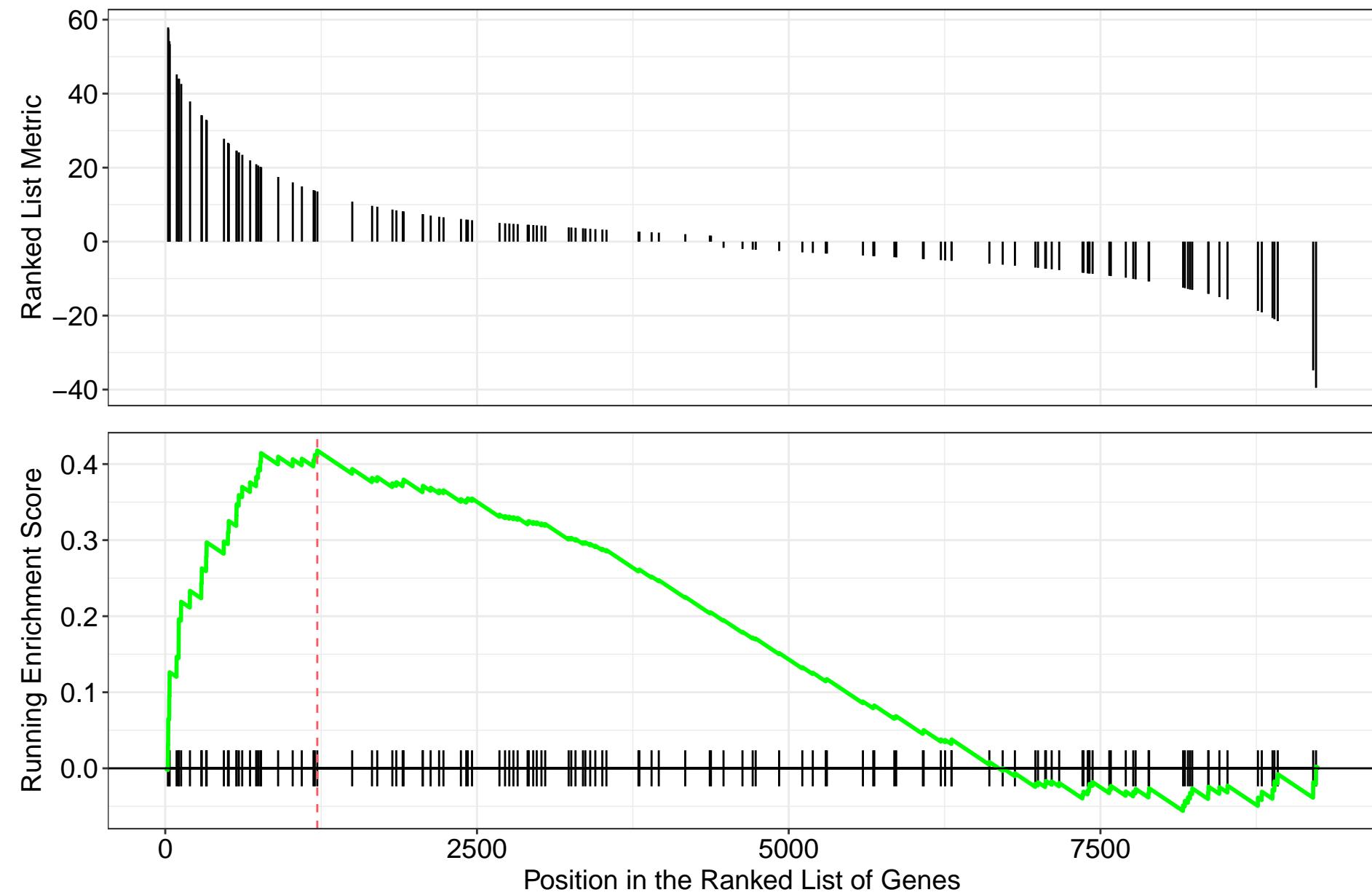
positive regulation of transferase activity



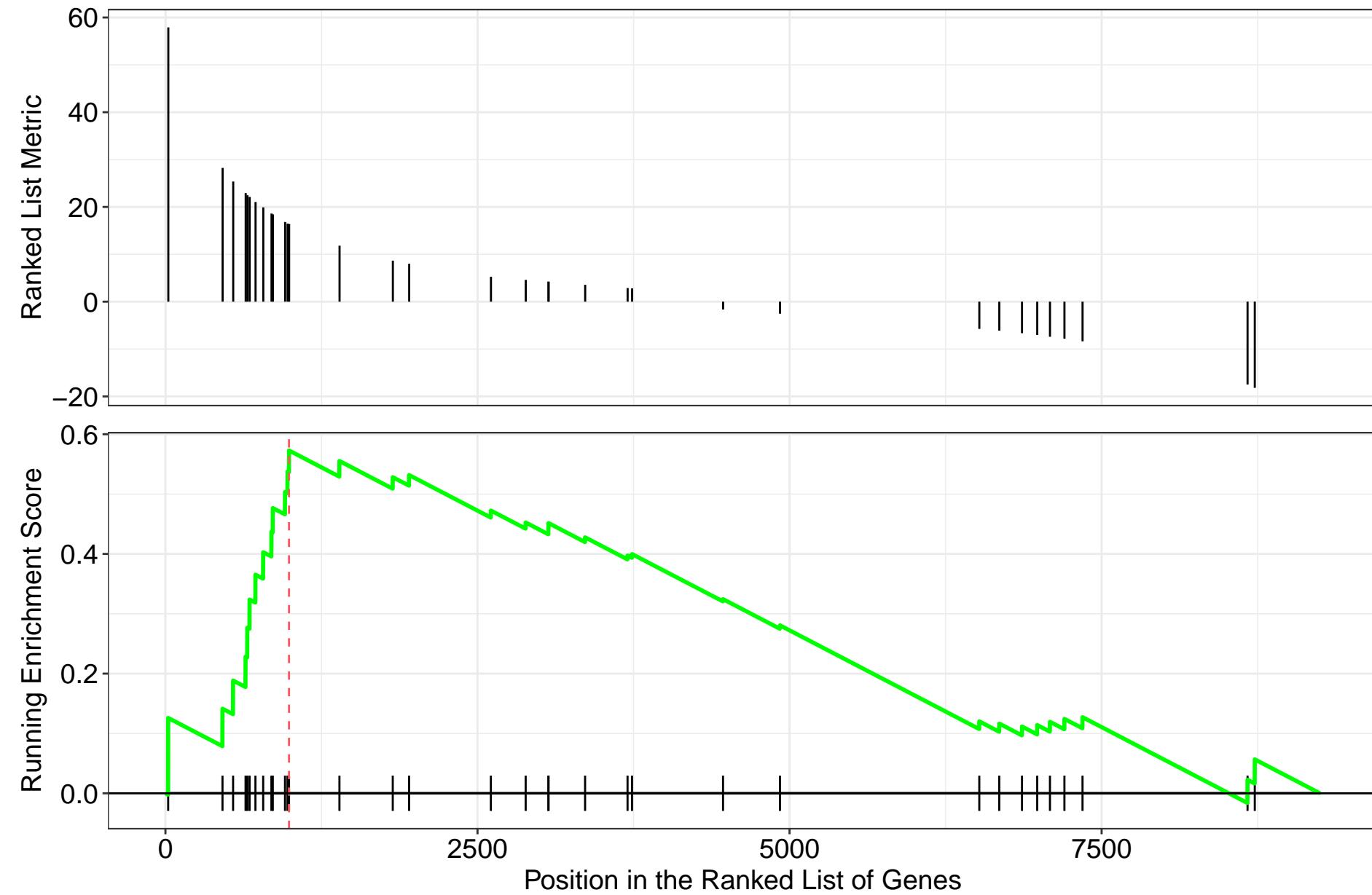
Cleotide-binding domain, leucine rich repeat containing receptor signaling



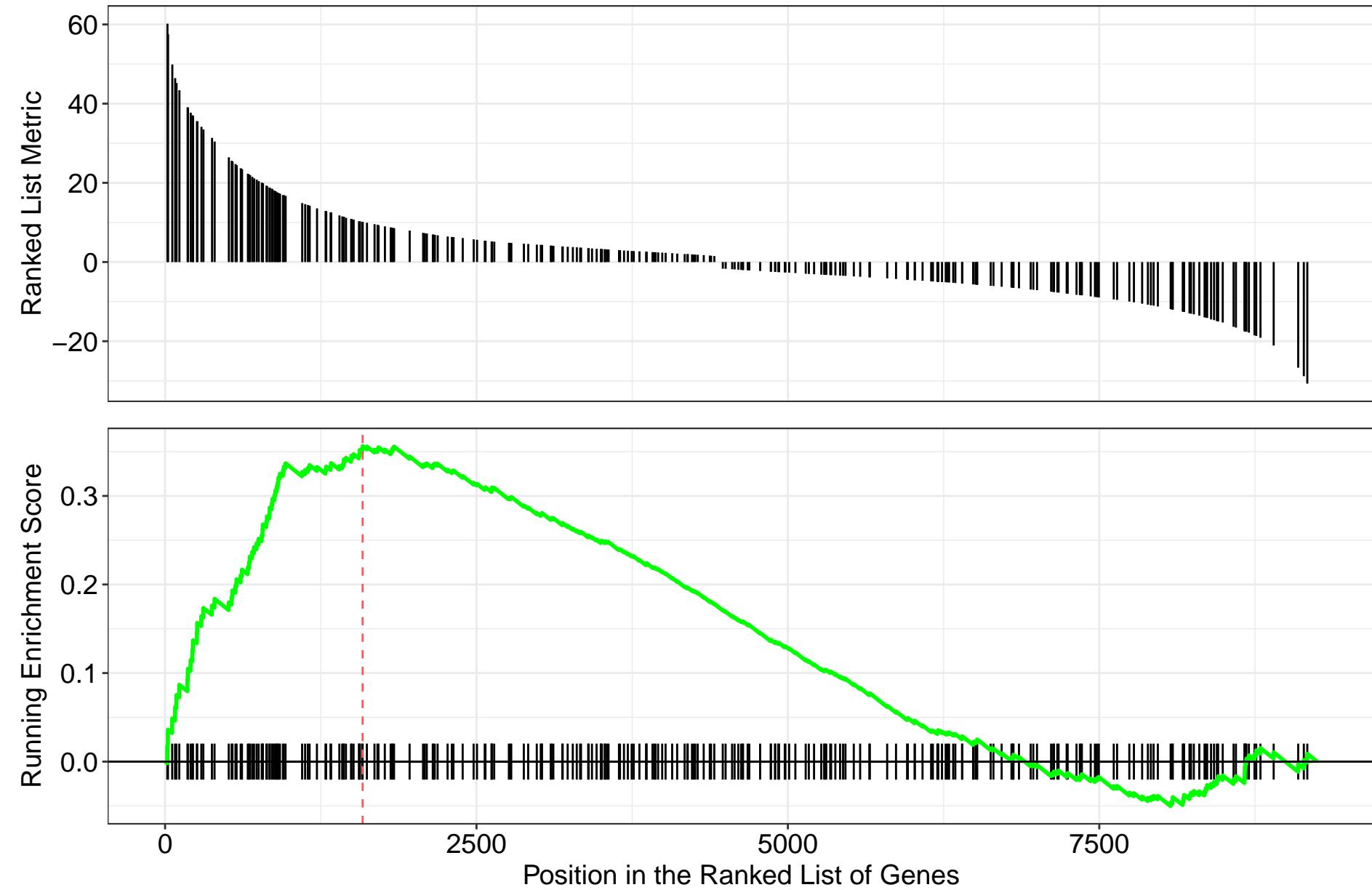
peptide transport



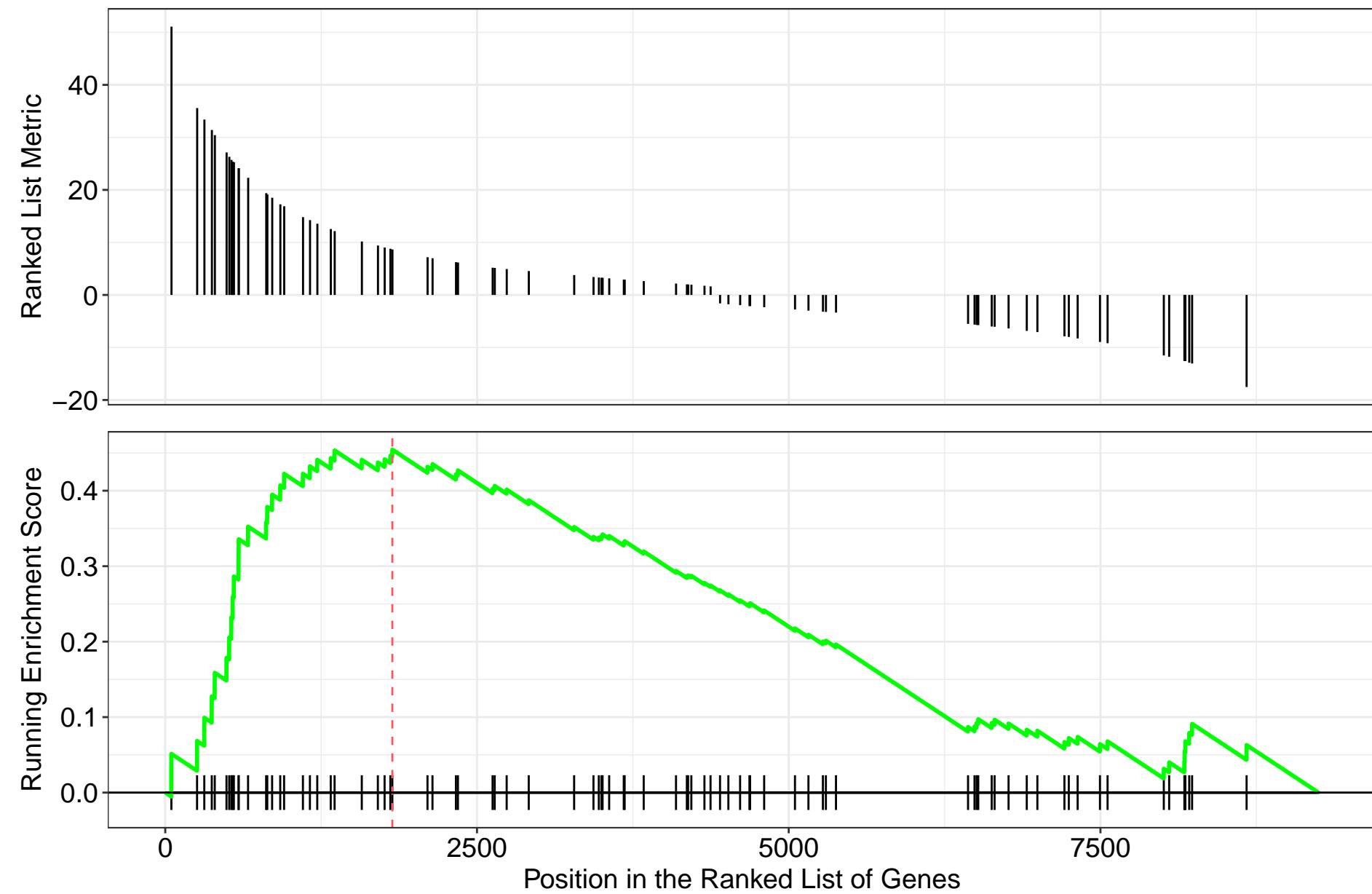
regulation of lipase activity



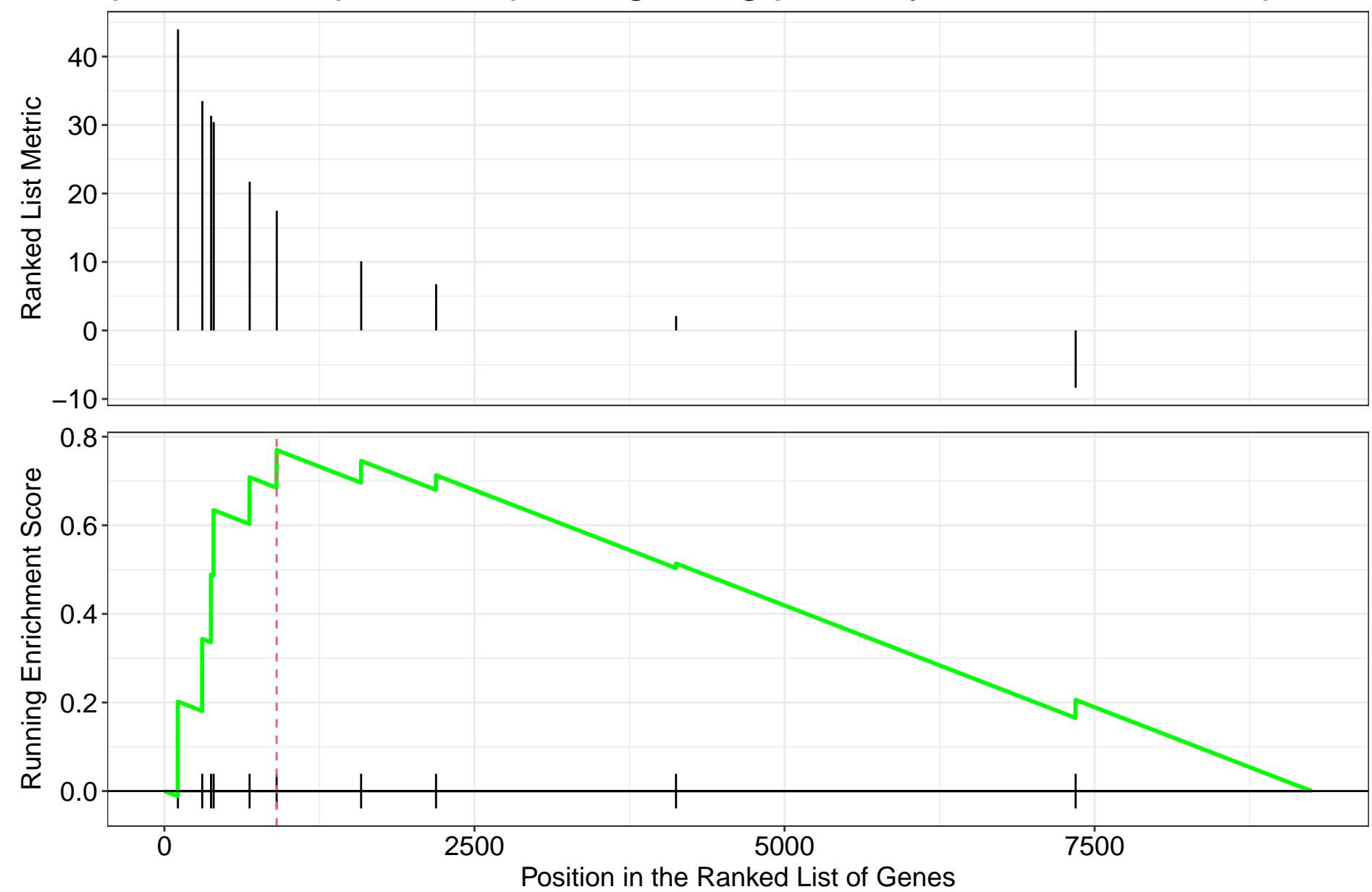
response to growth factor



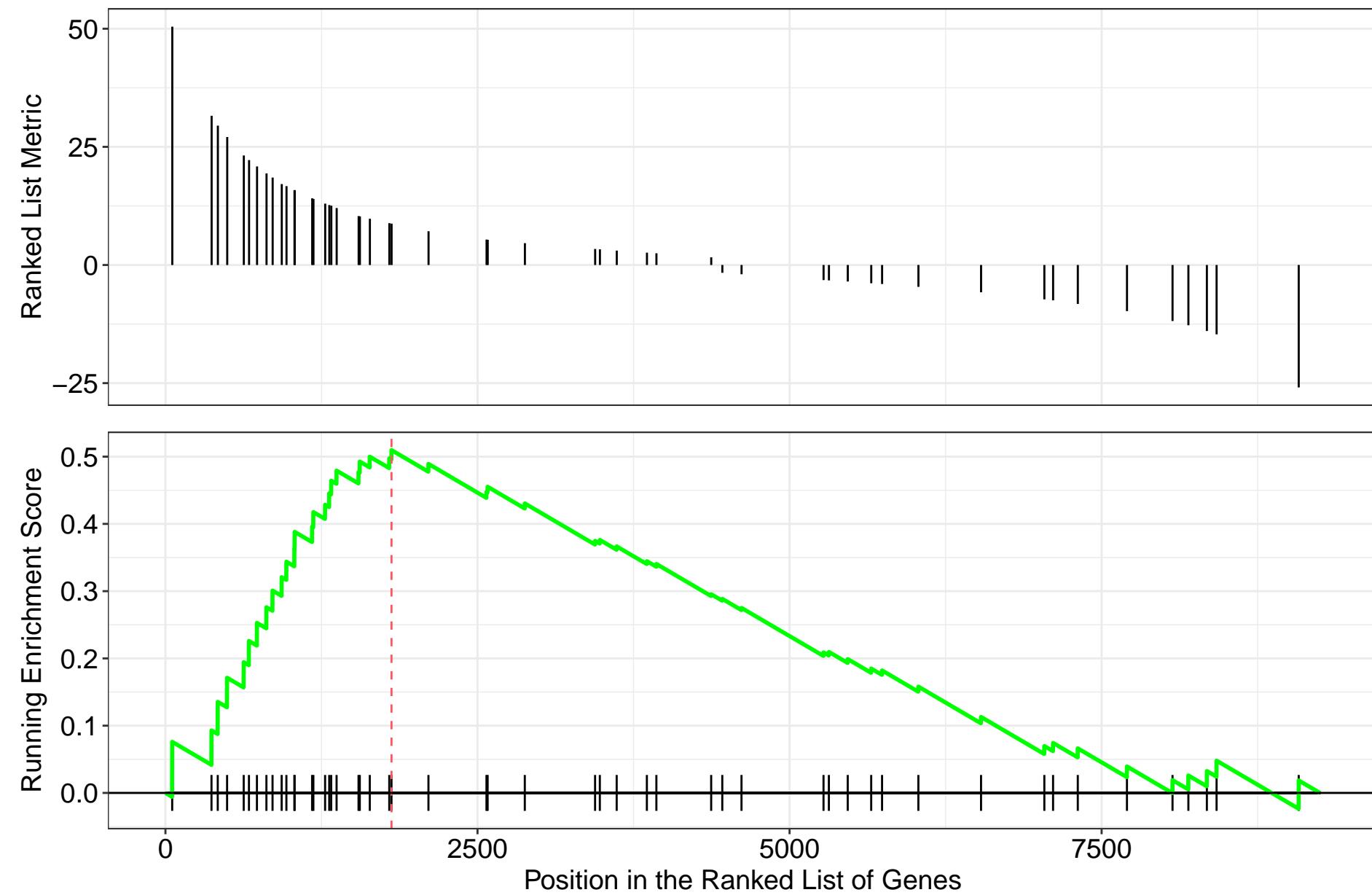
positive regulation of epithelial cell migration



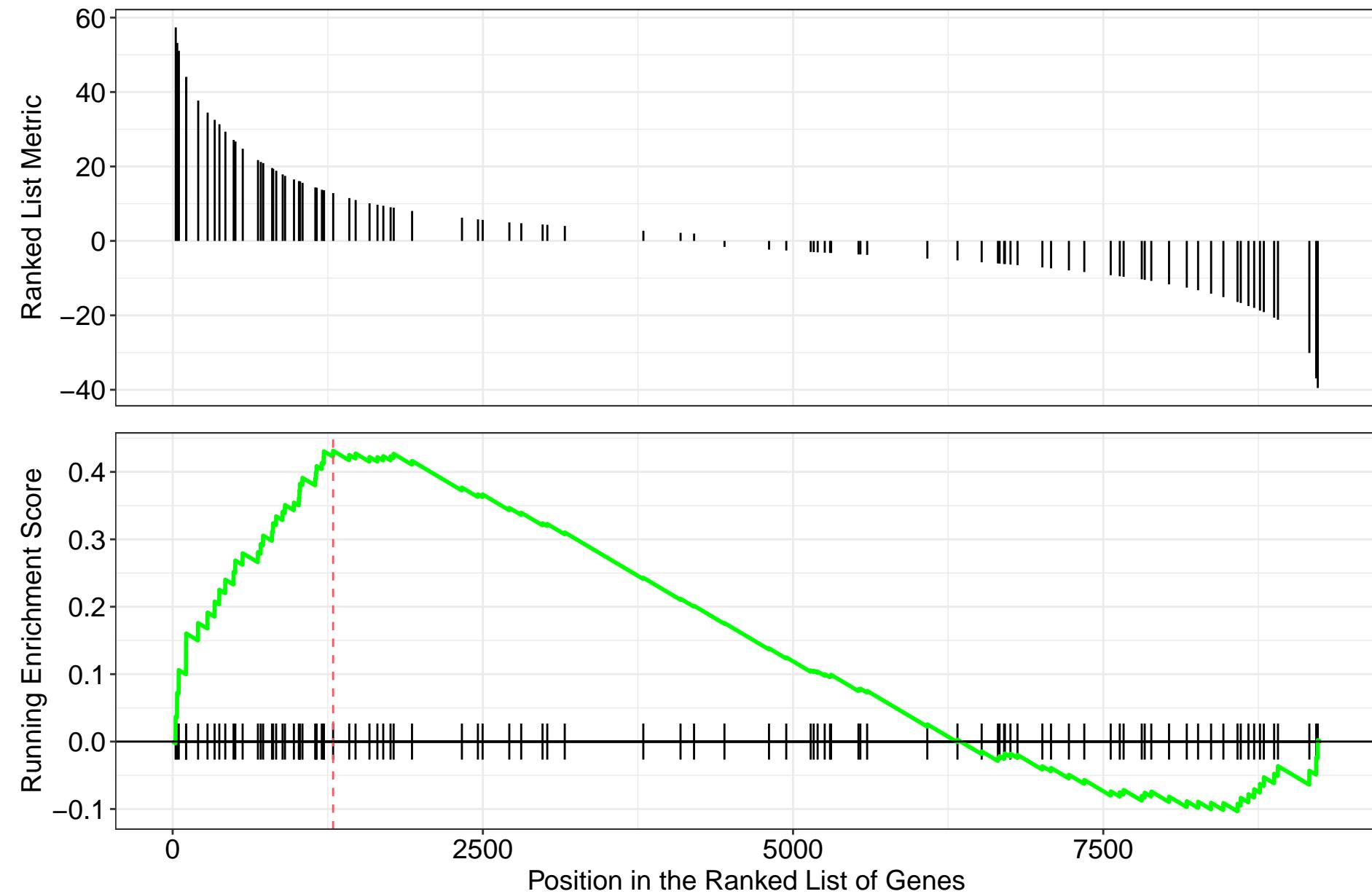
G protein-coupled receptor signaling pathway involved in heart processes



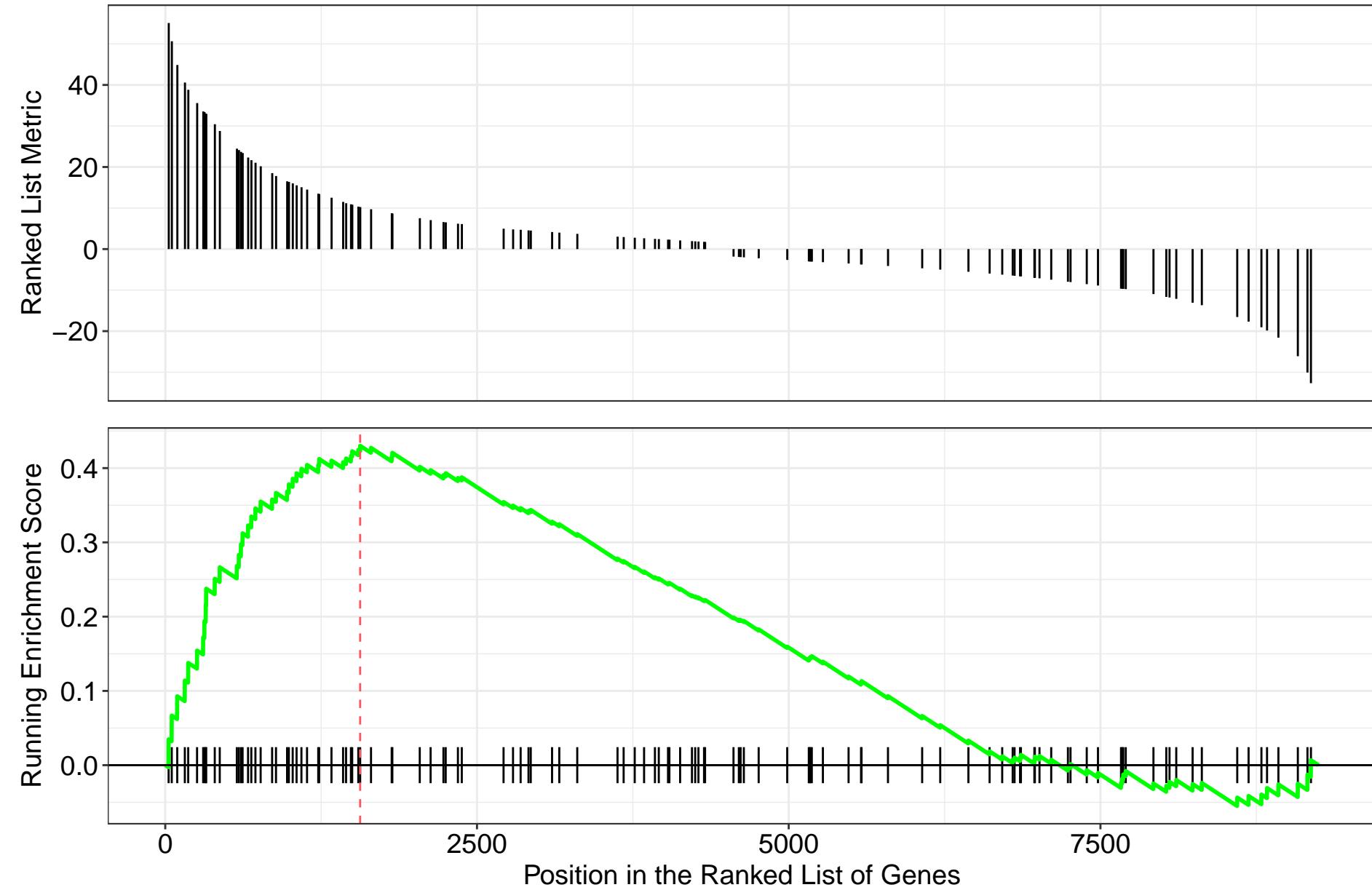
negative regulation of NF–kappaB transcription factor activity



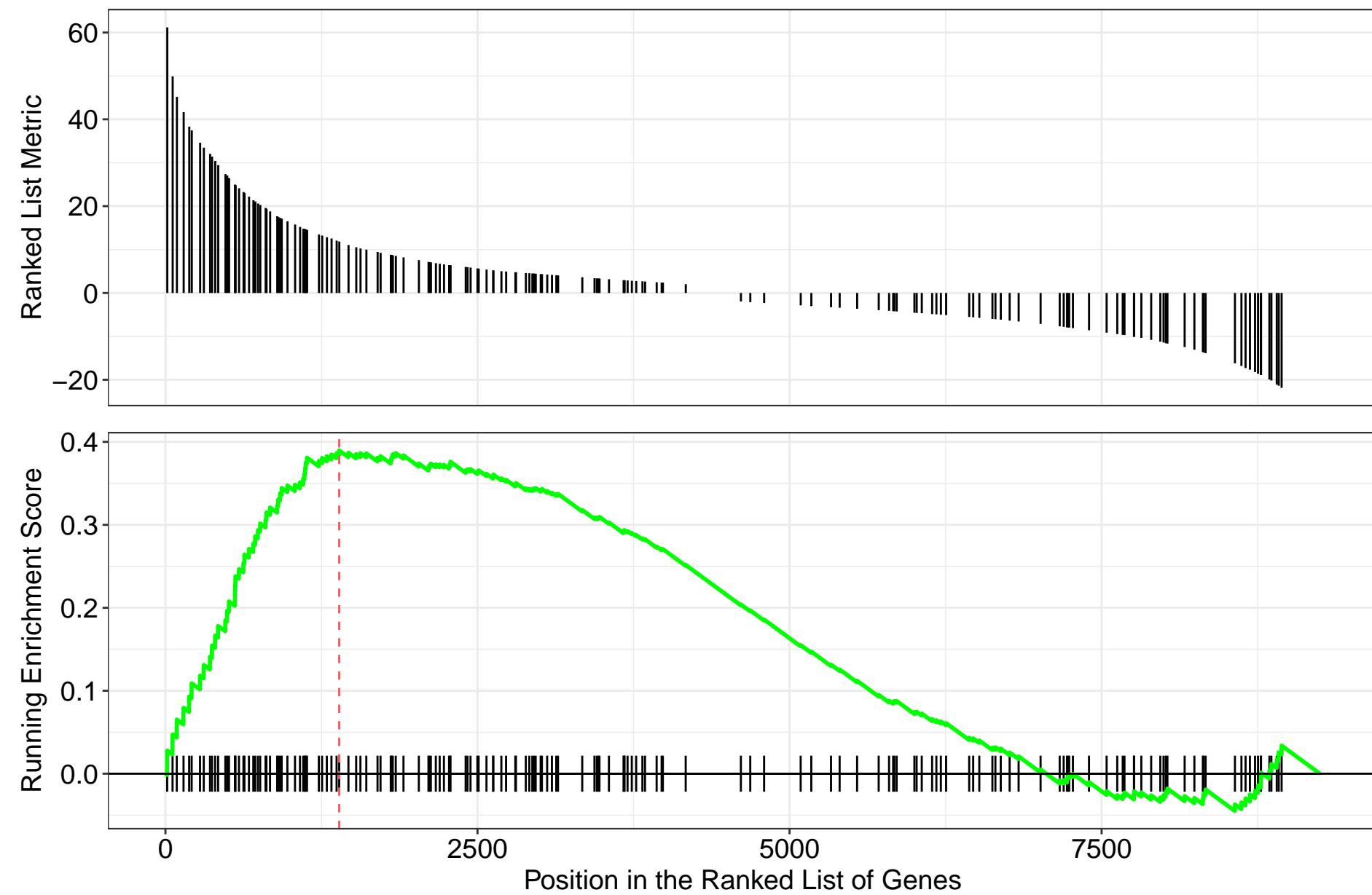
regulation of blood circulation



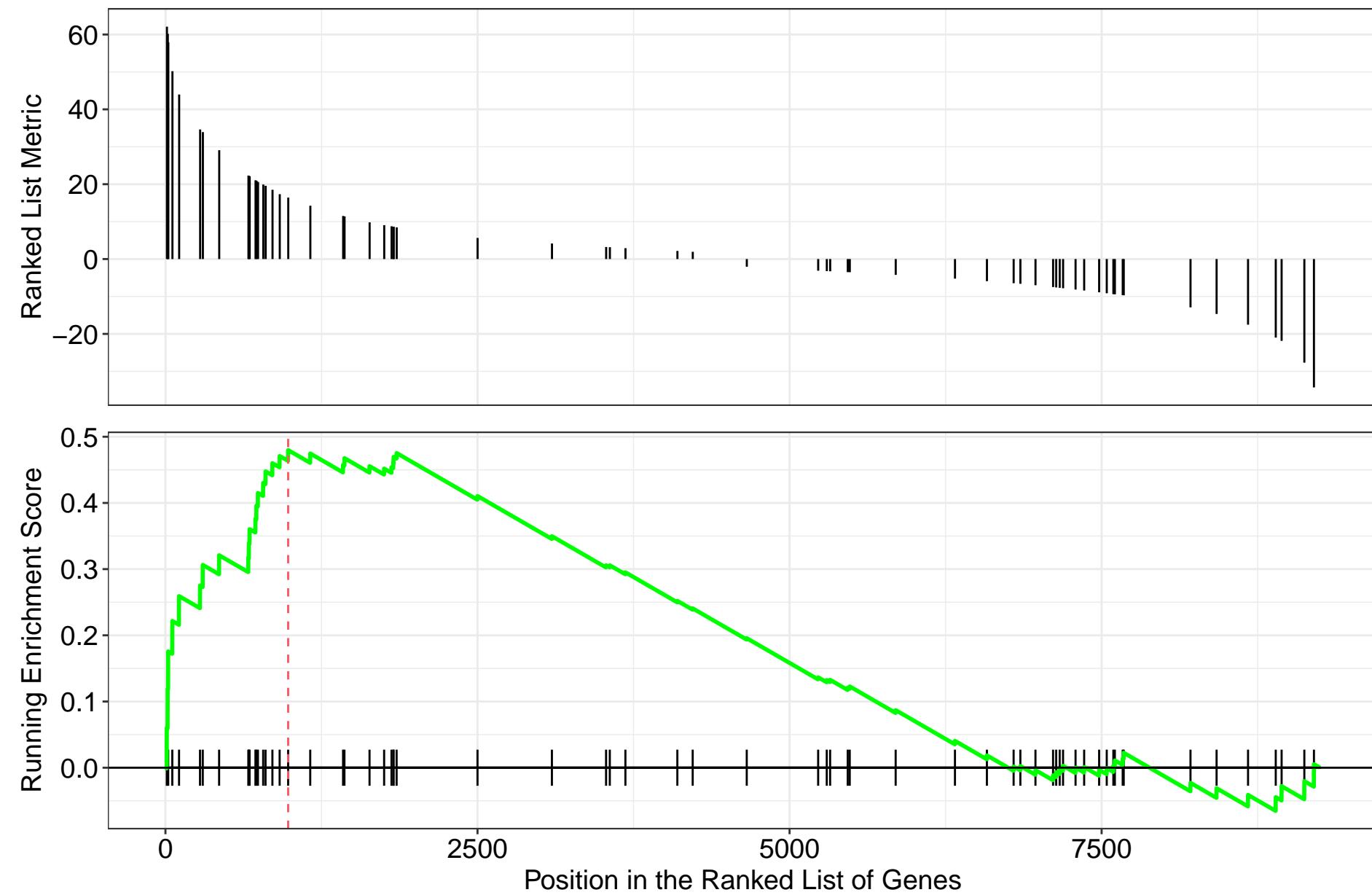
reproductive structure development



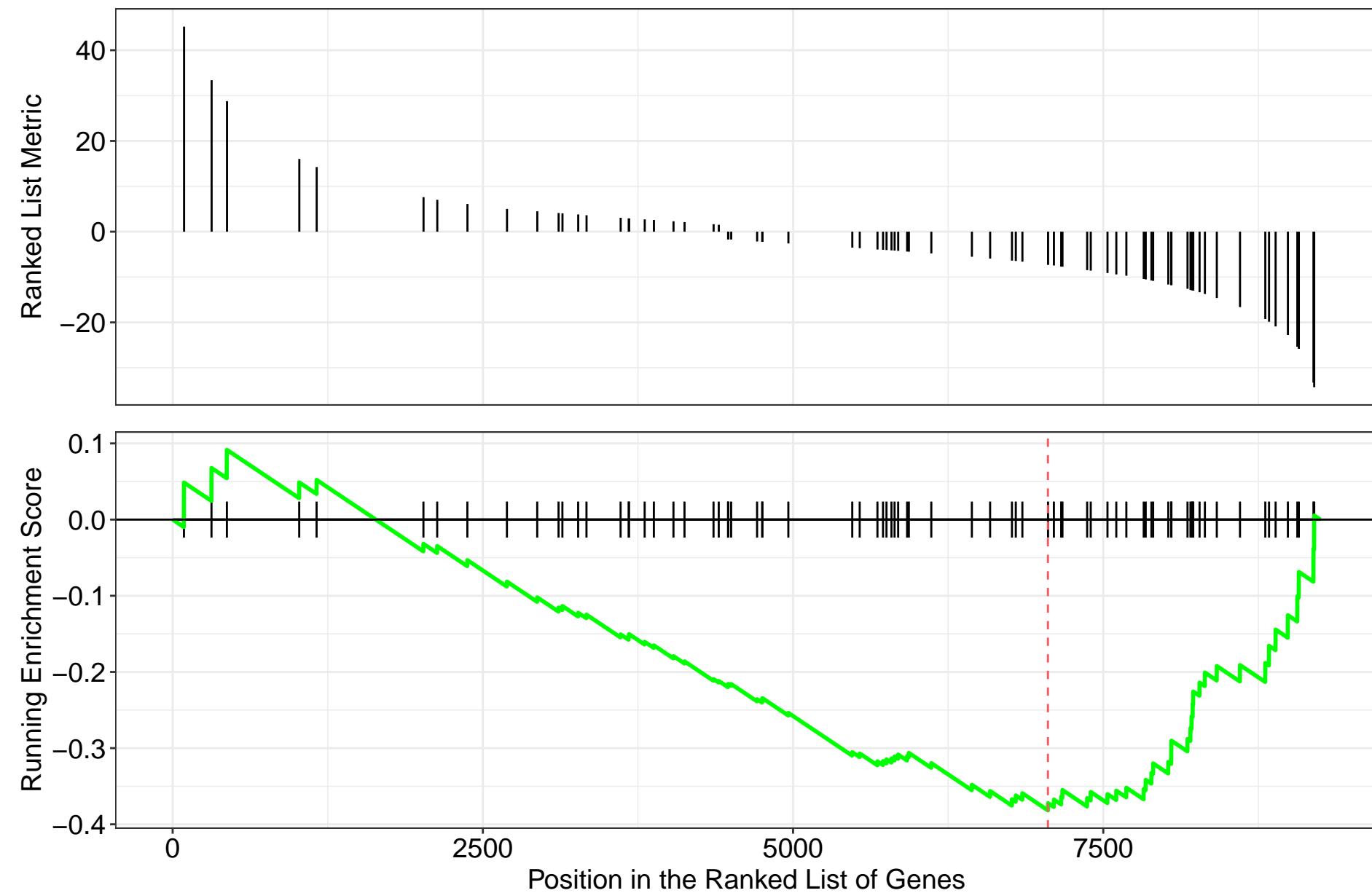
leukocyte activation involved in immune response



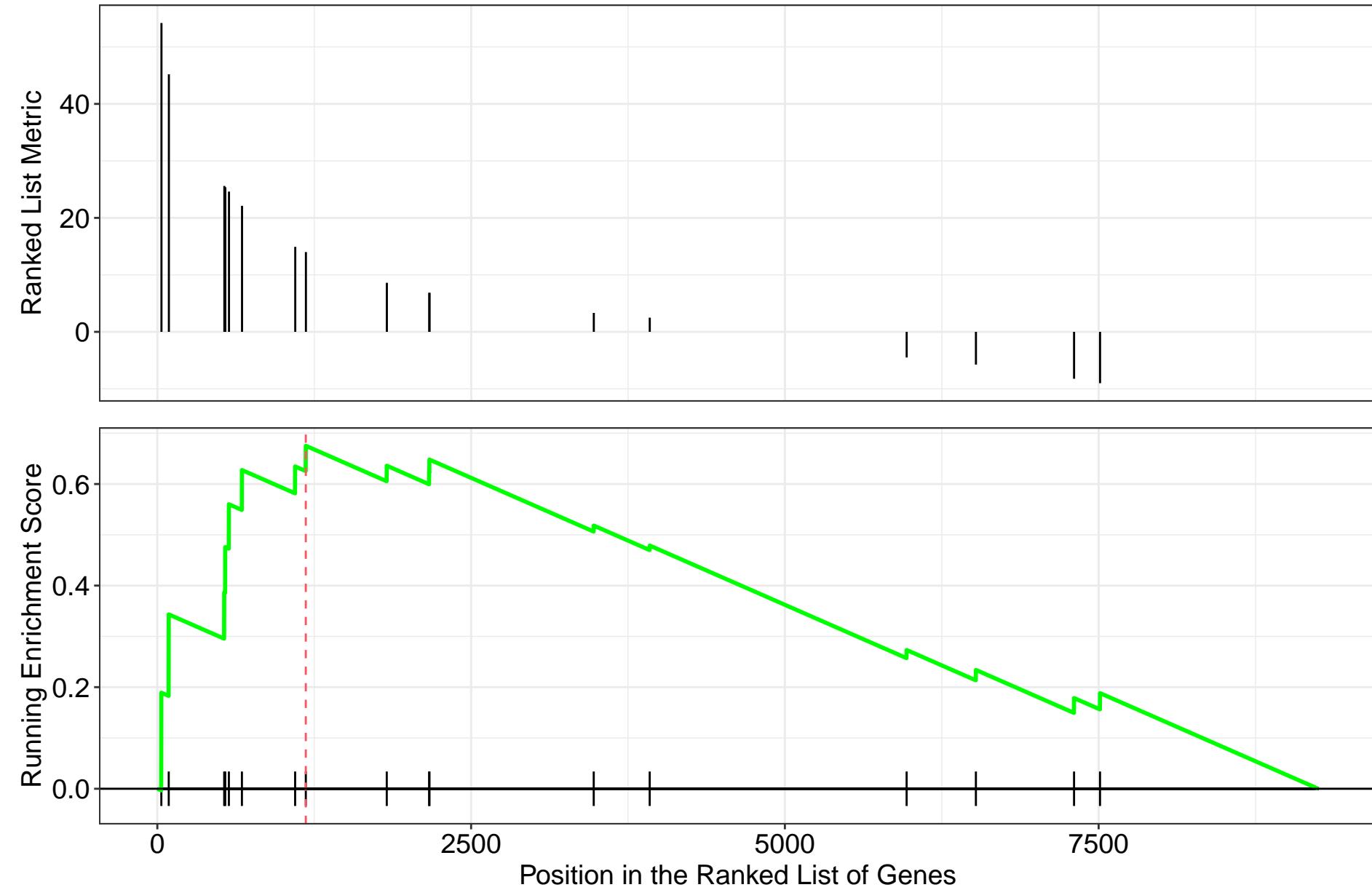
phosphatidylinositol 3-kinase signaling



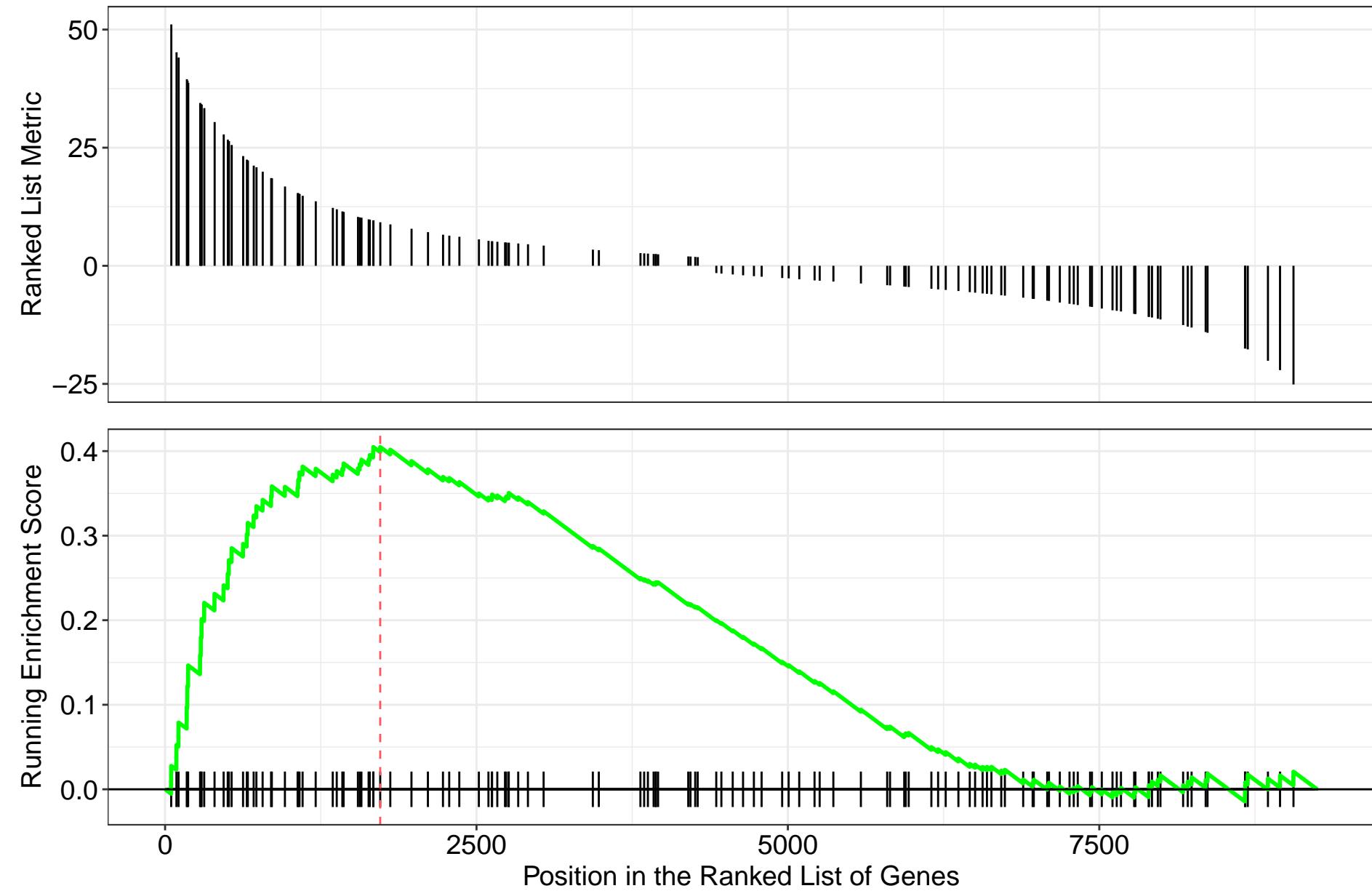
regulation of DNA replication



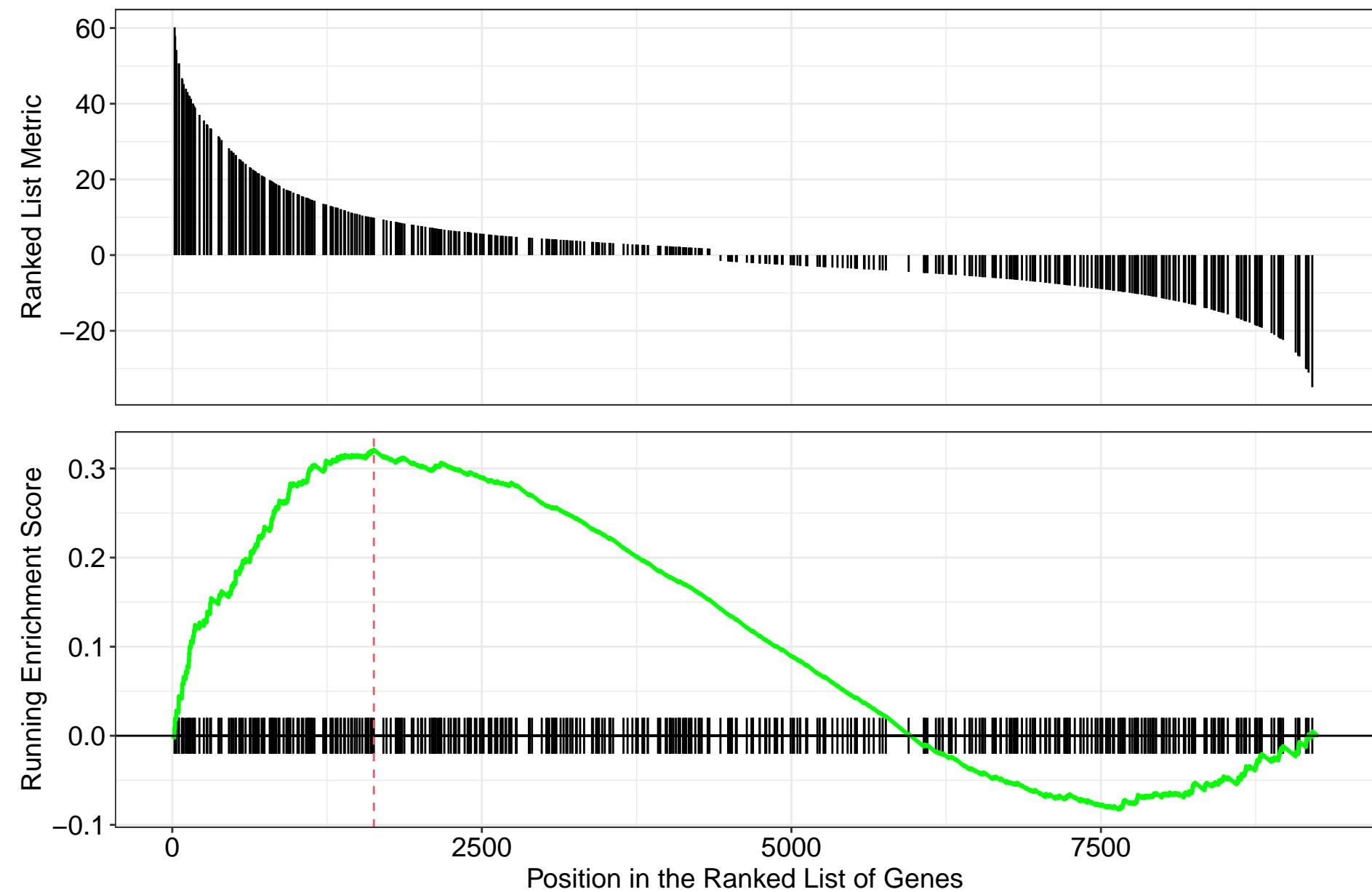
positive regulation of glial cell proliferation



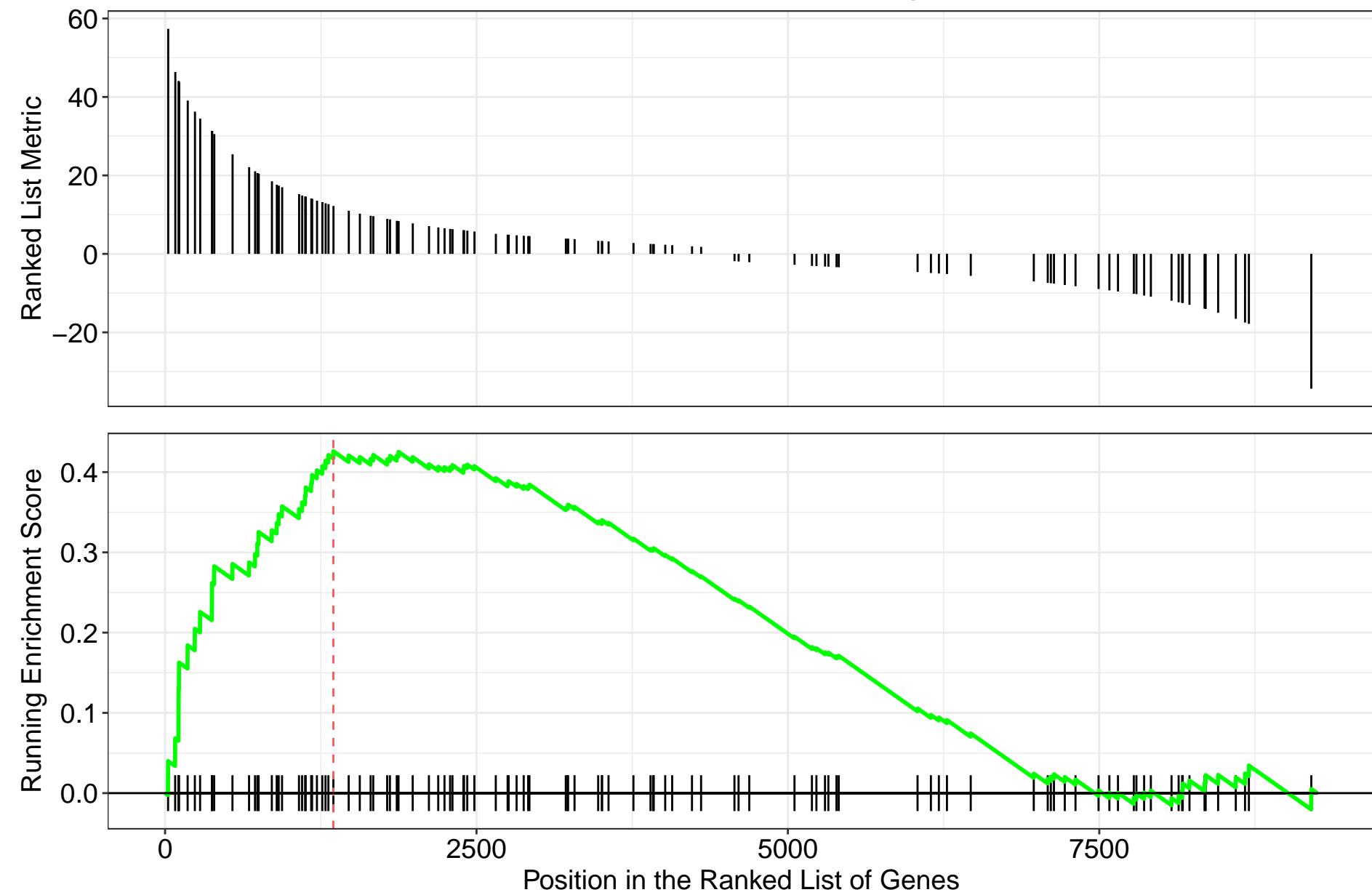
tissue homeostasis



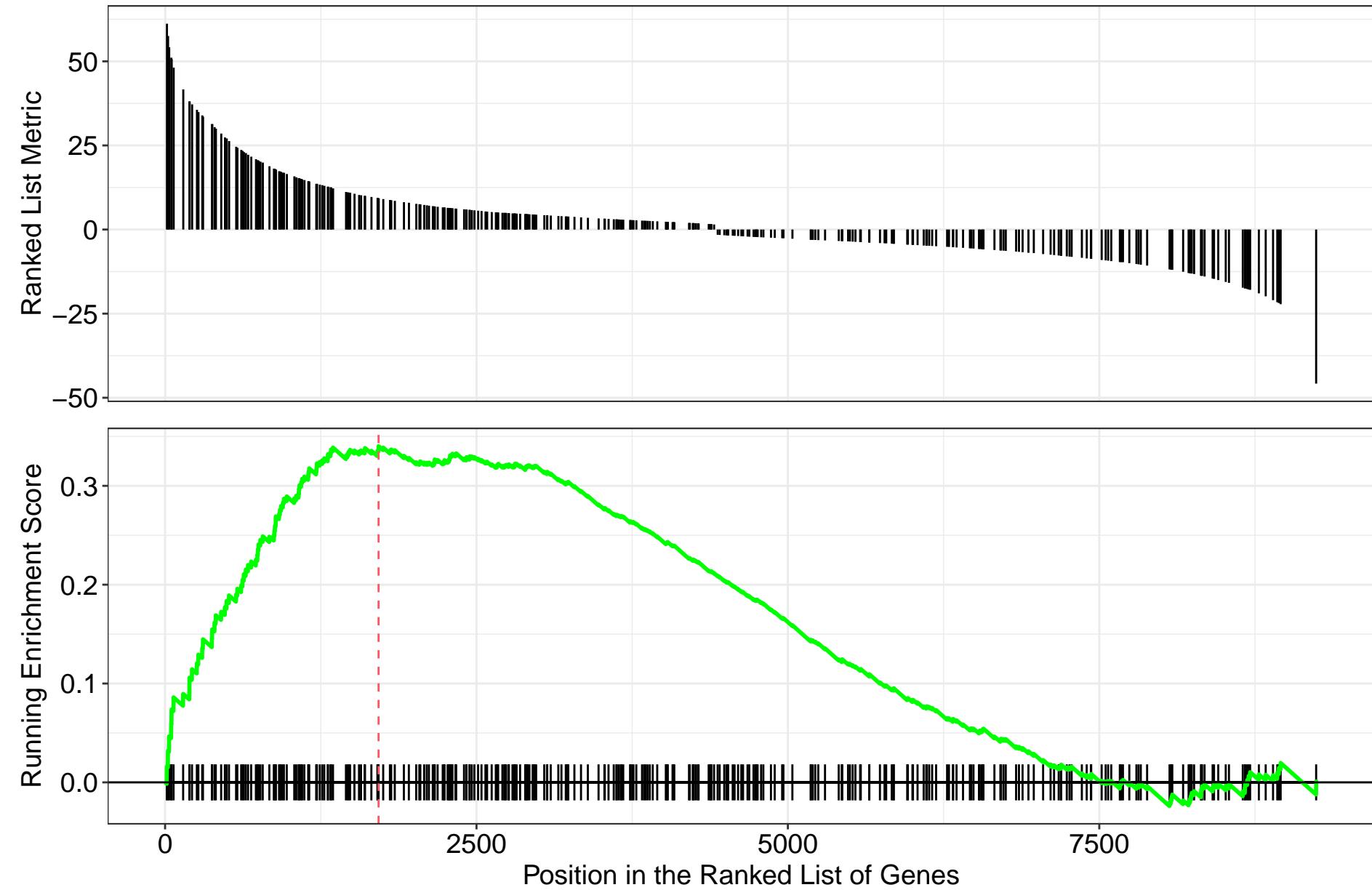
regulation of anatomical structure morphogenesis



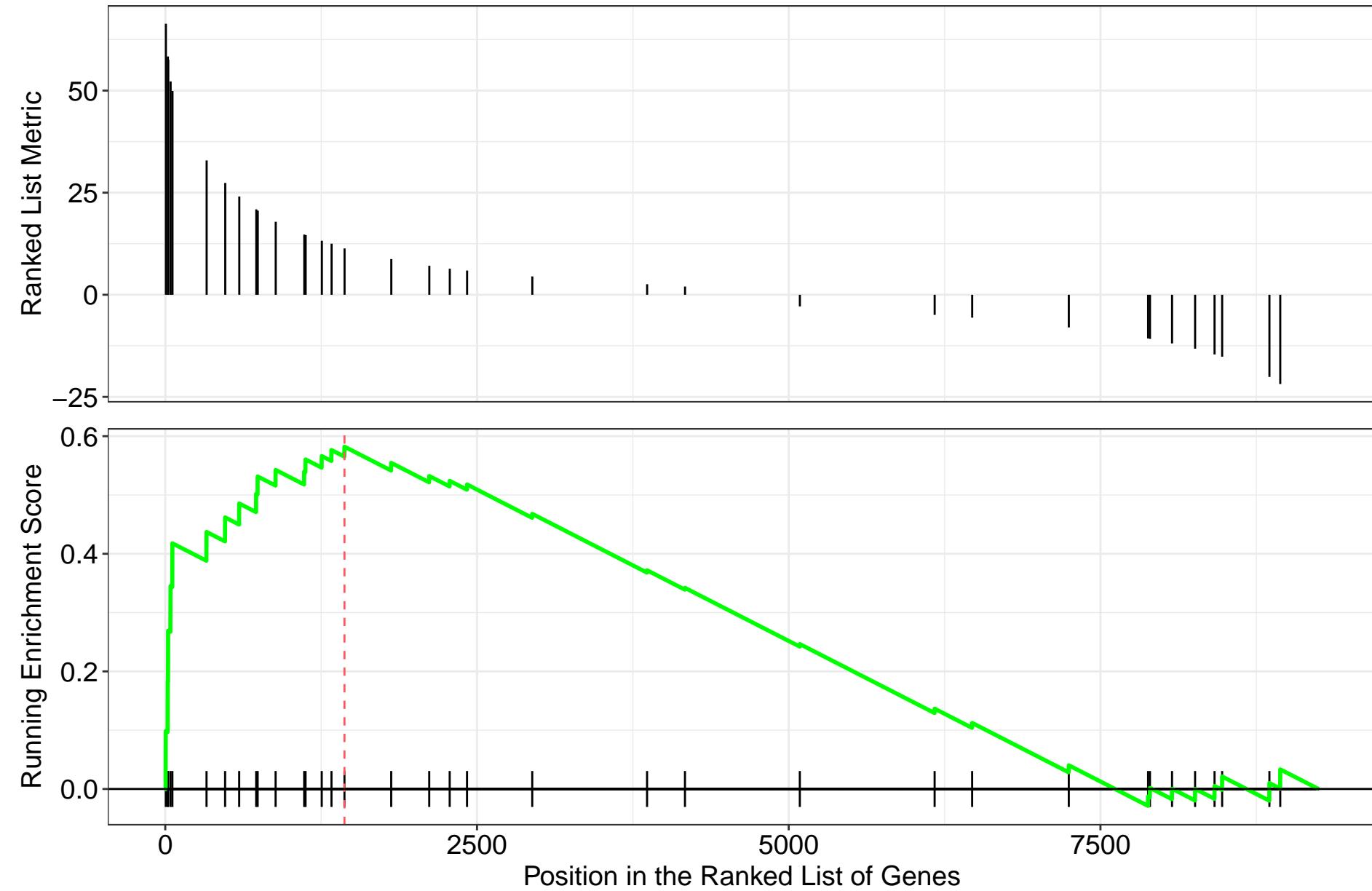
response to decreased oxygen levels



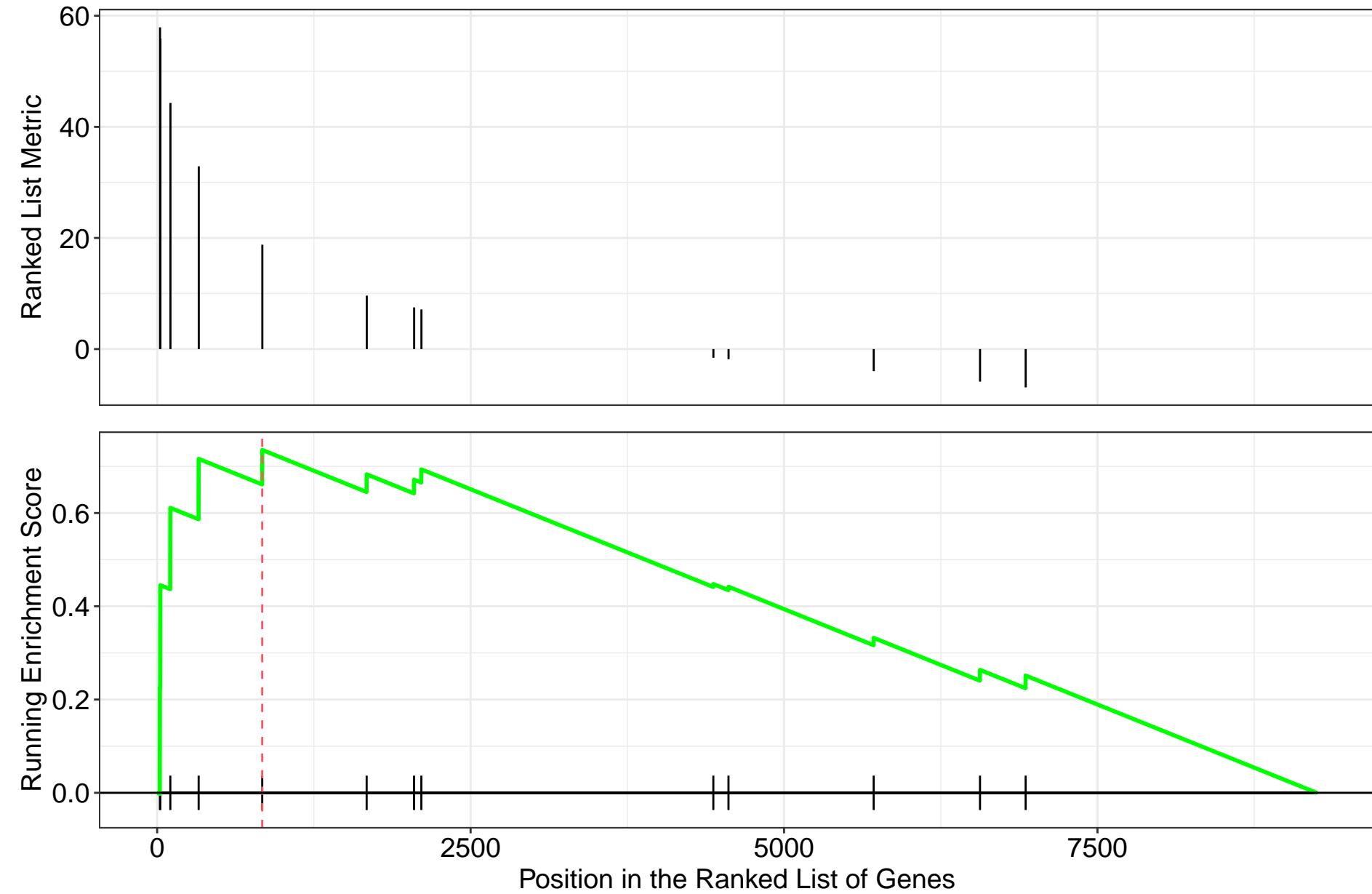
apoptotic signaling pathway



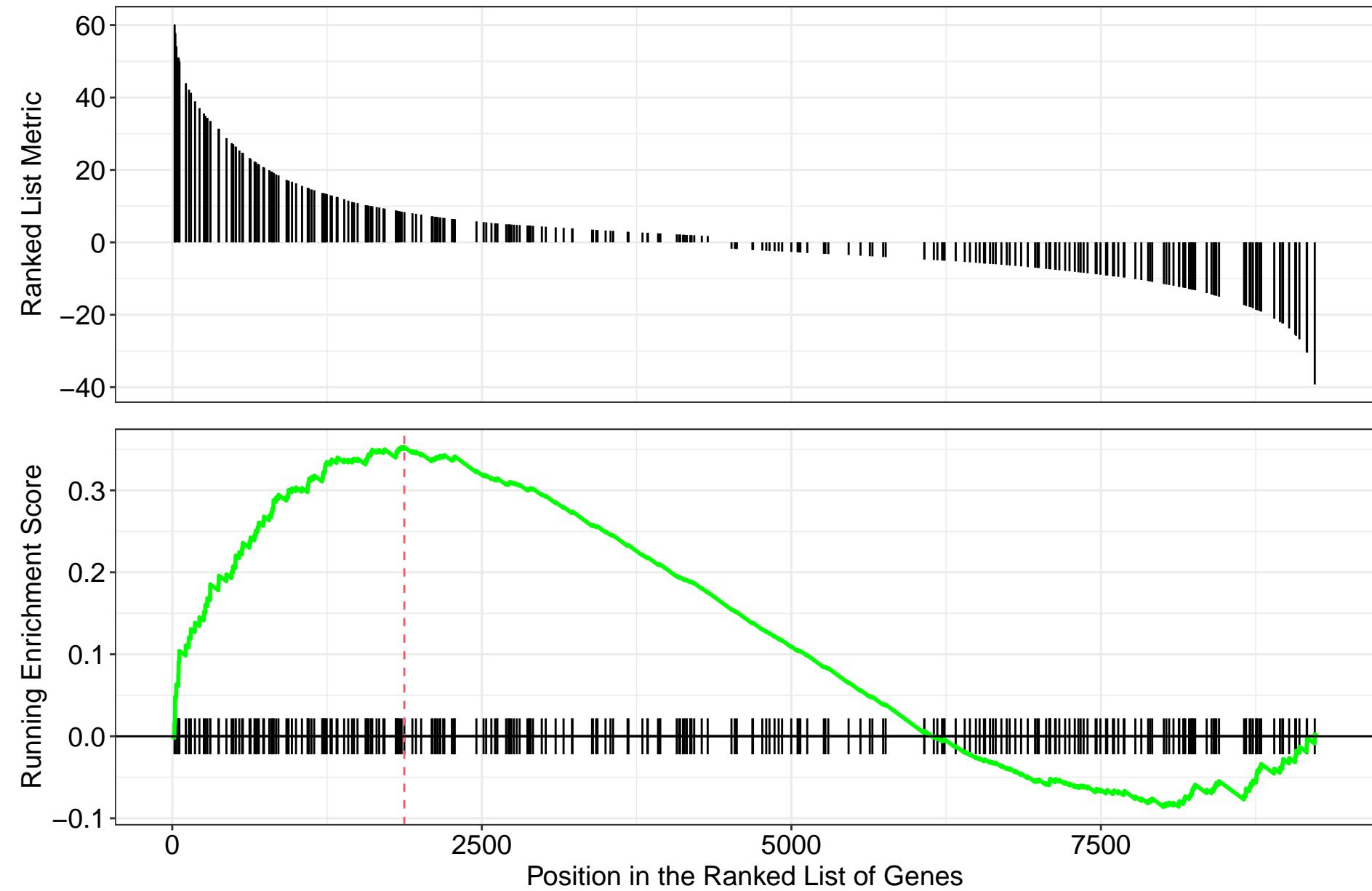
alpha–beta T cell proliferation



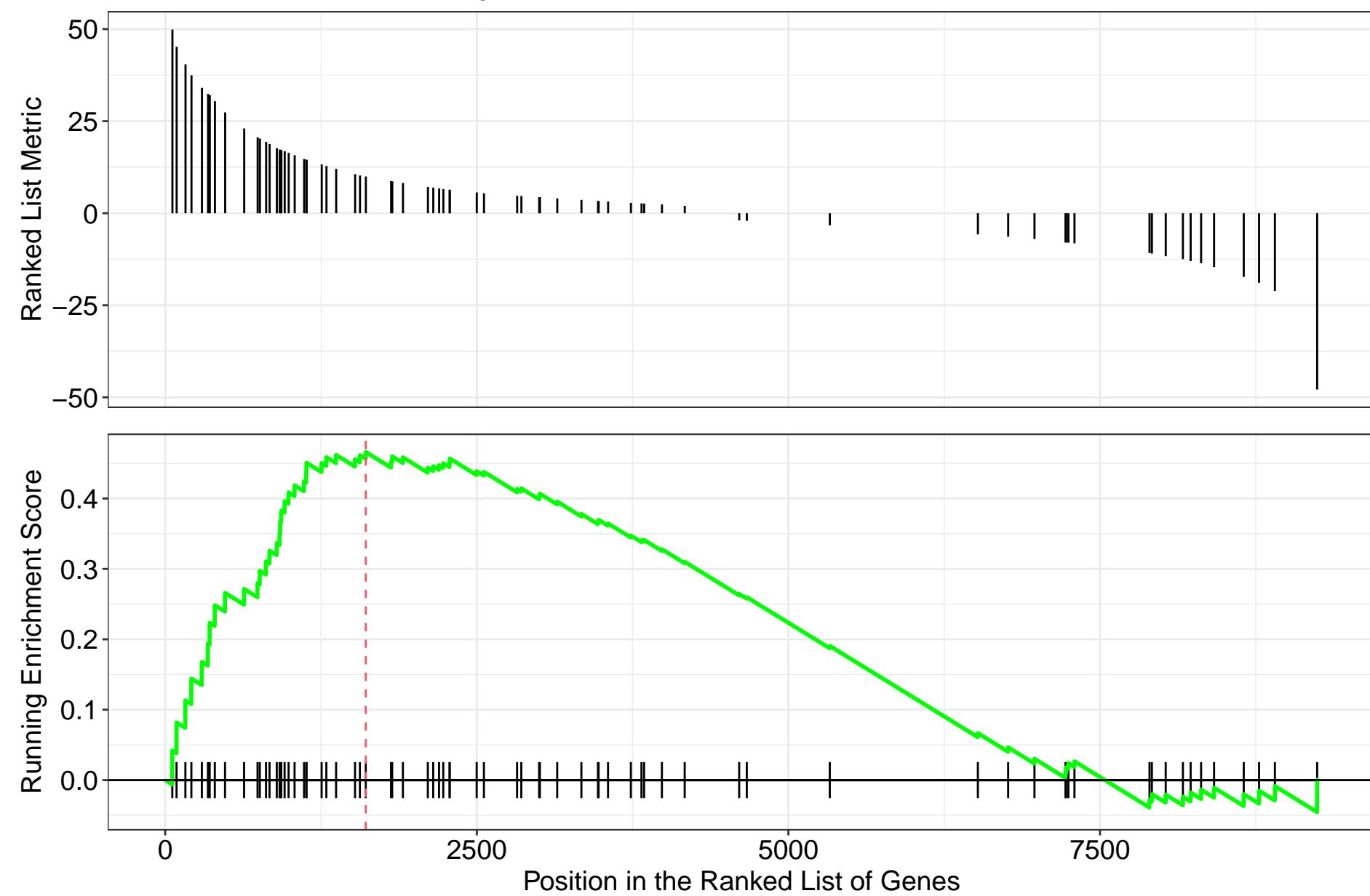
positive regulation of lymphocyte apoptotic process



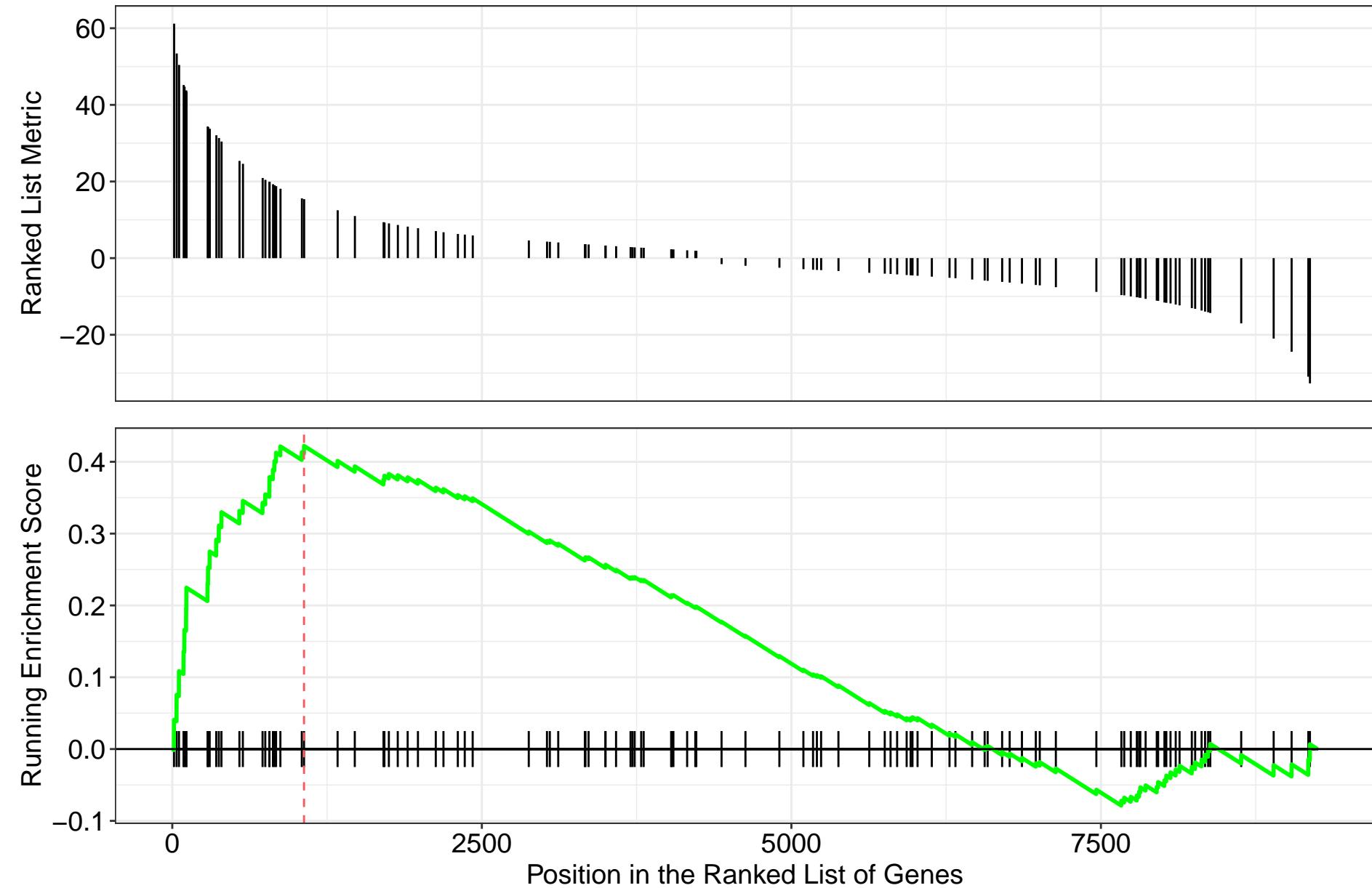
angiogenesis



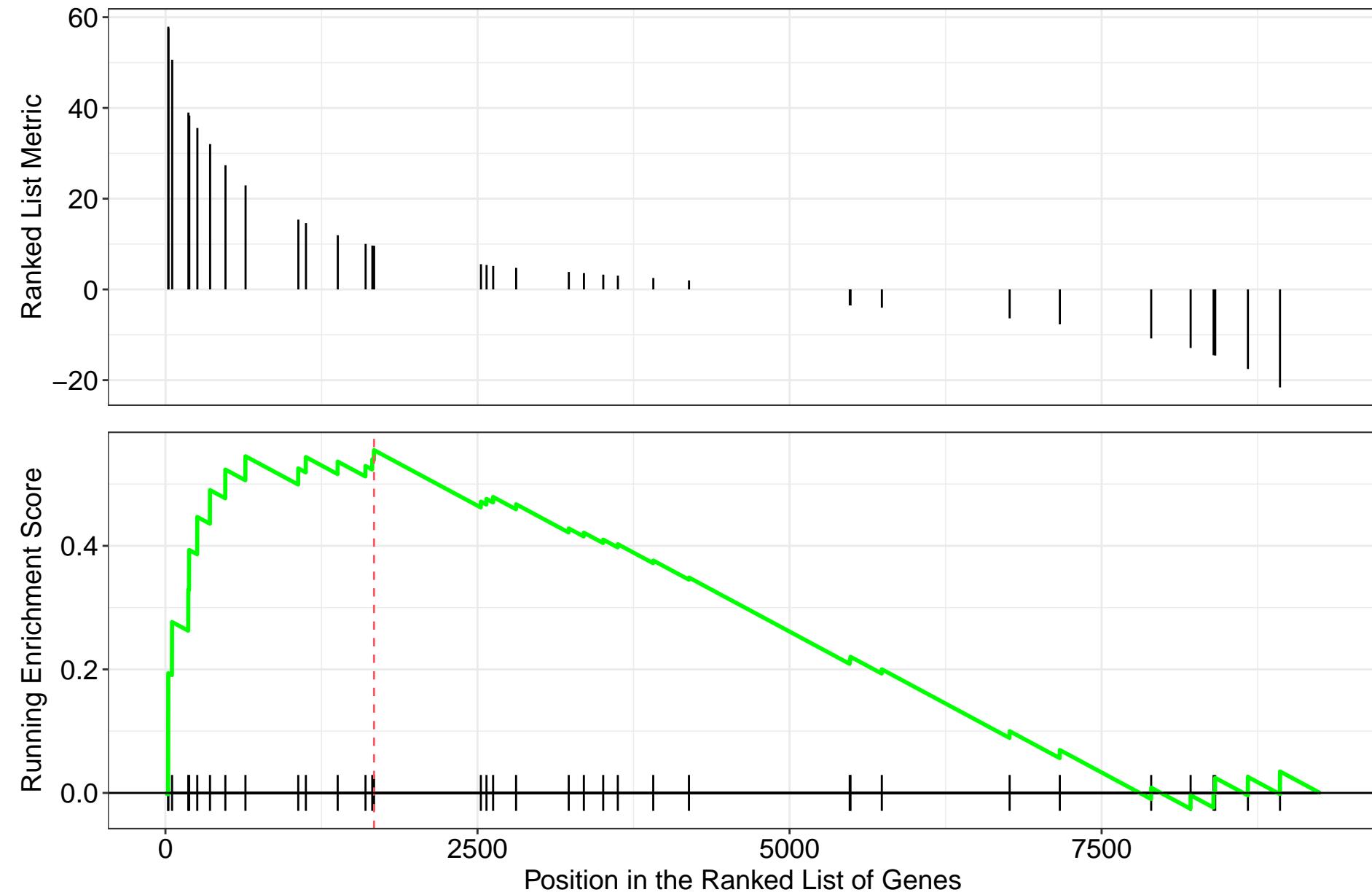
alpha–beta T cell differentiation



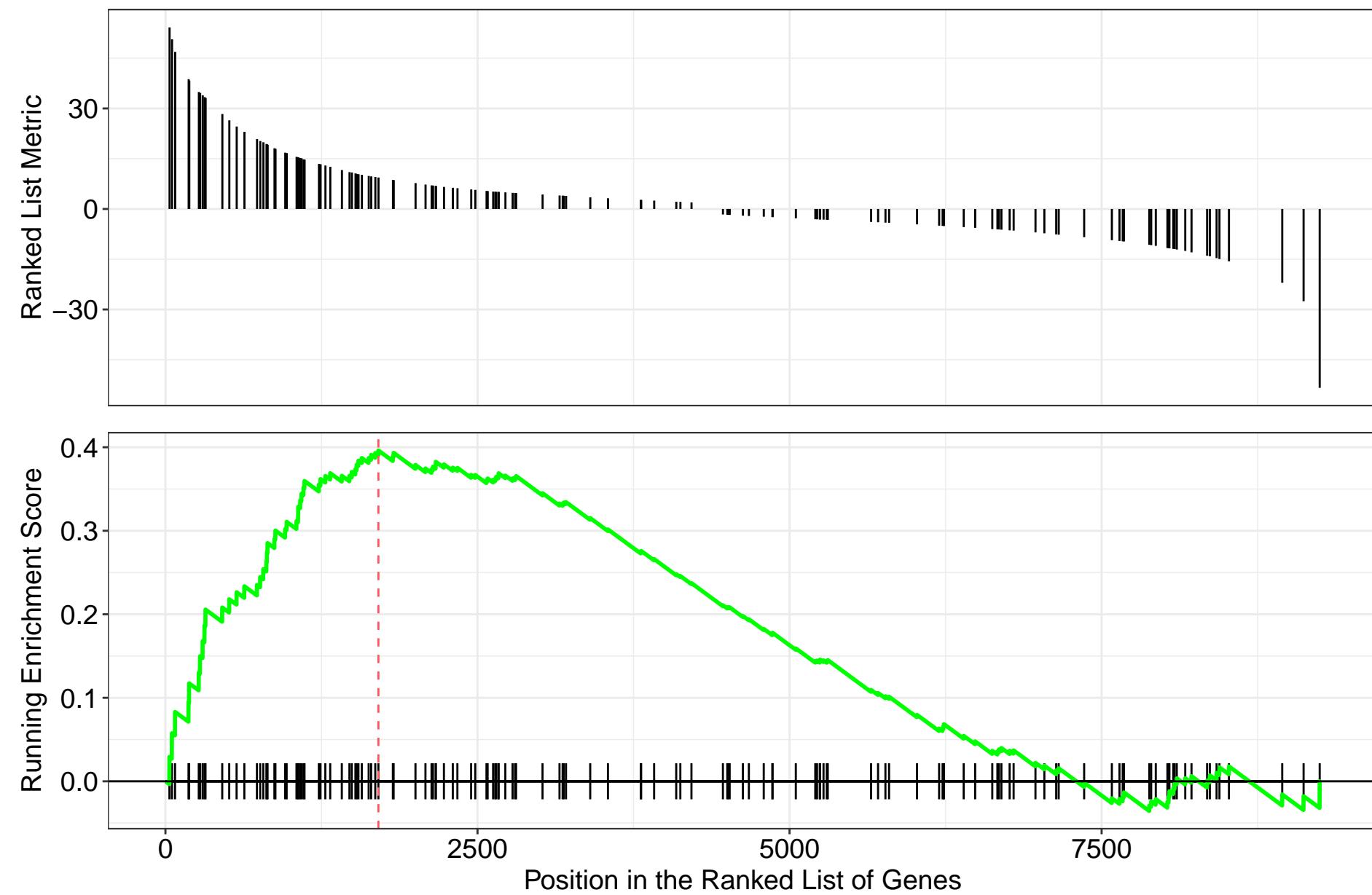
response to steroid hormone



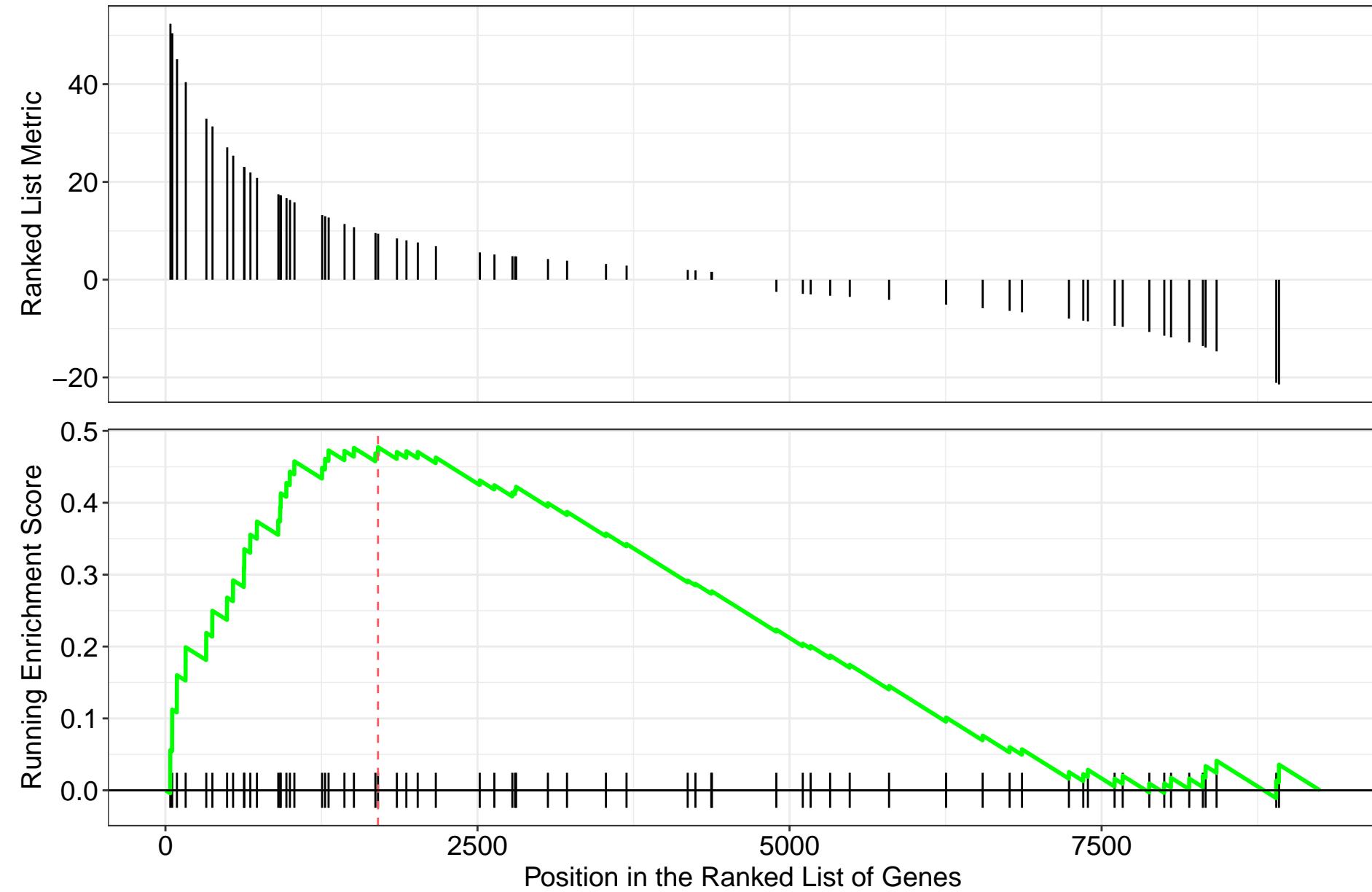
positive regulation of mononuclear cell migration



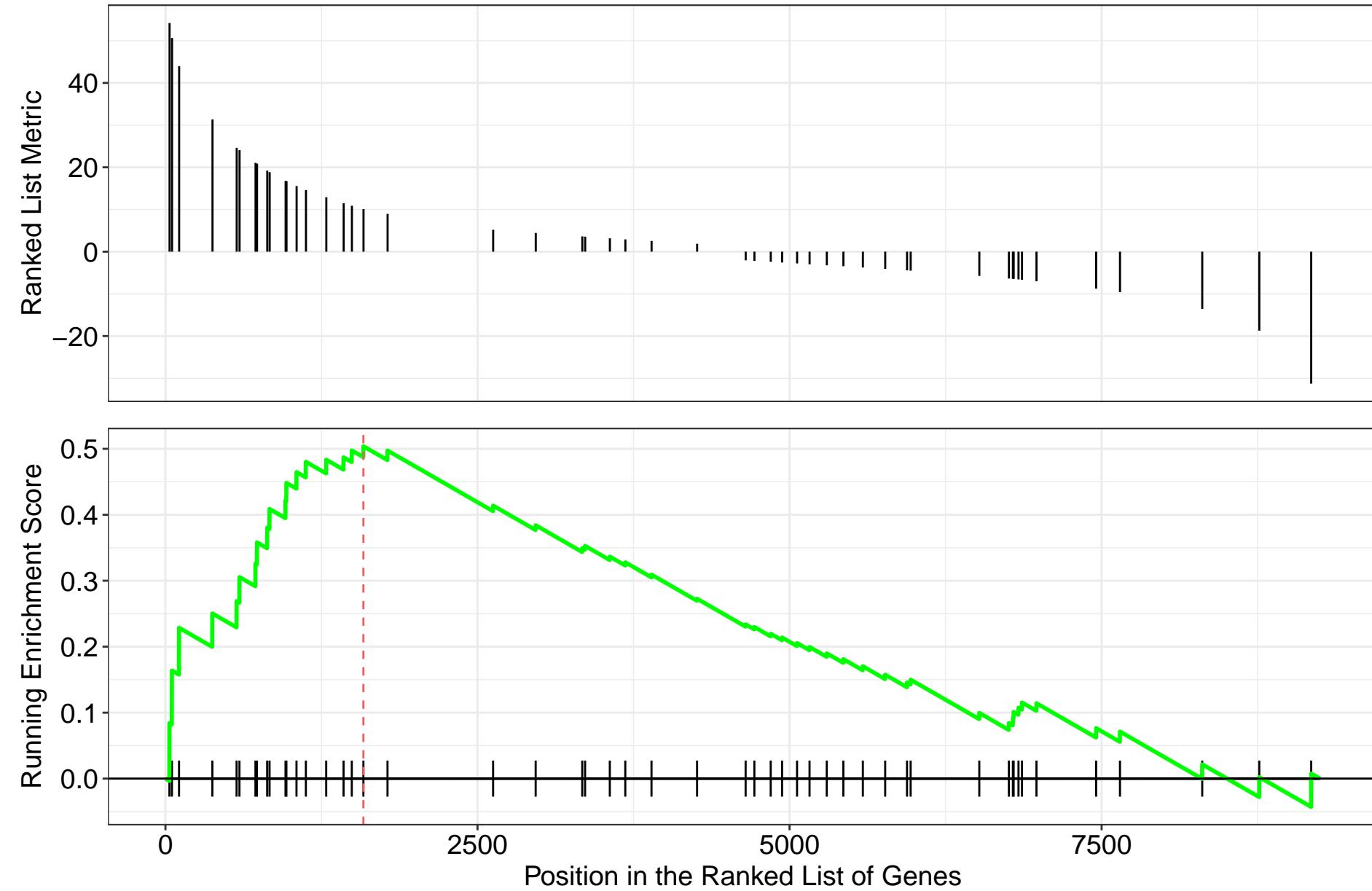
stress-activated protein kinase signaling cascade



regulation of pattern recognition receptor signaling pathway

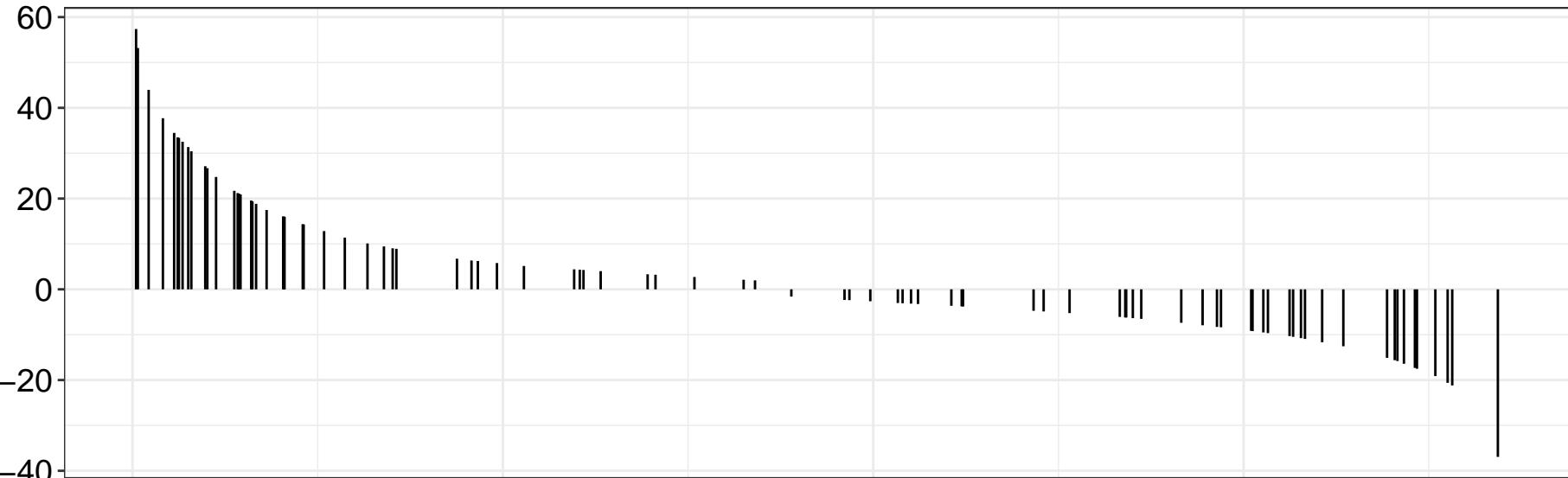


regulation of oxidoreductase activity



heart process

Ranked List Metric



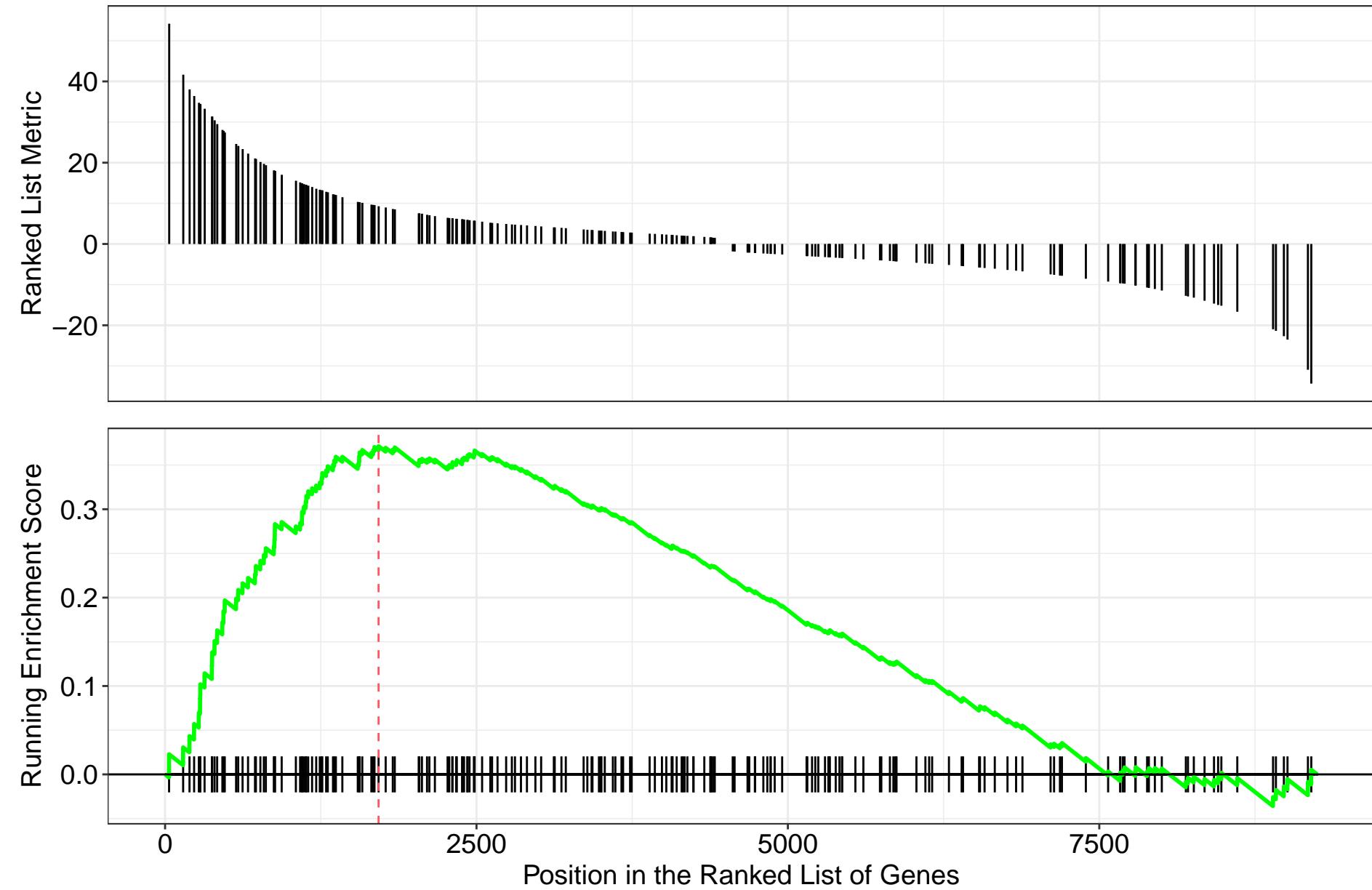
Running Enrichment Score

0 2500 5000 7500

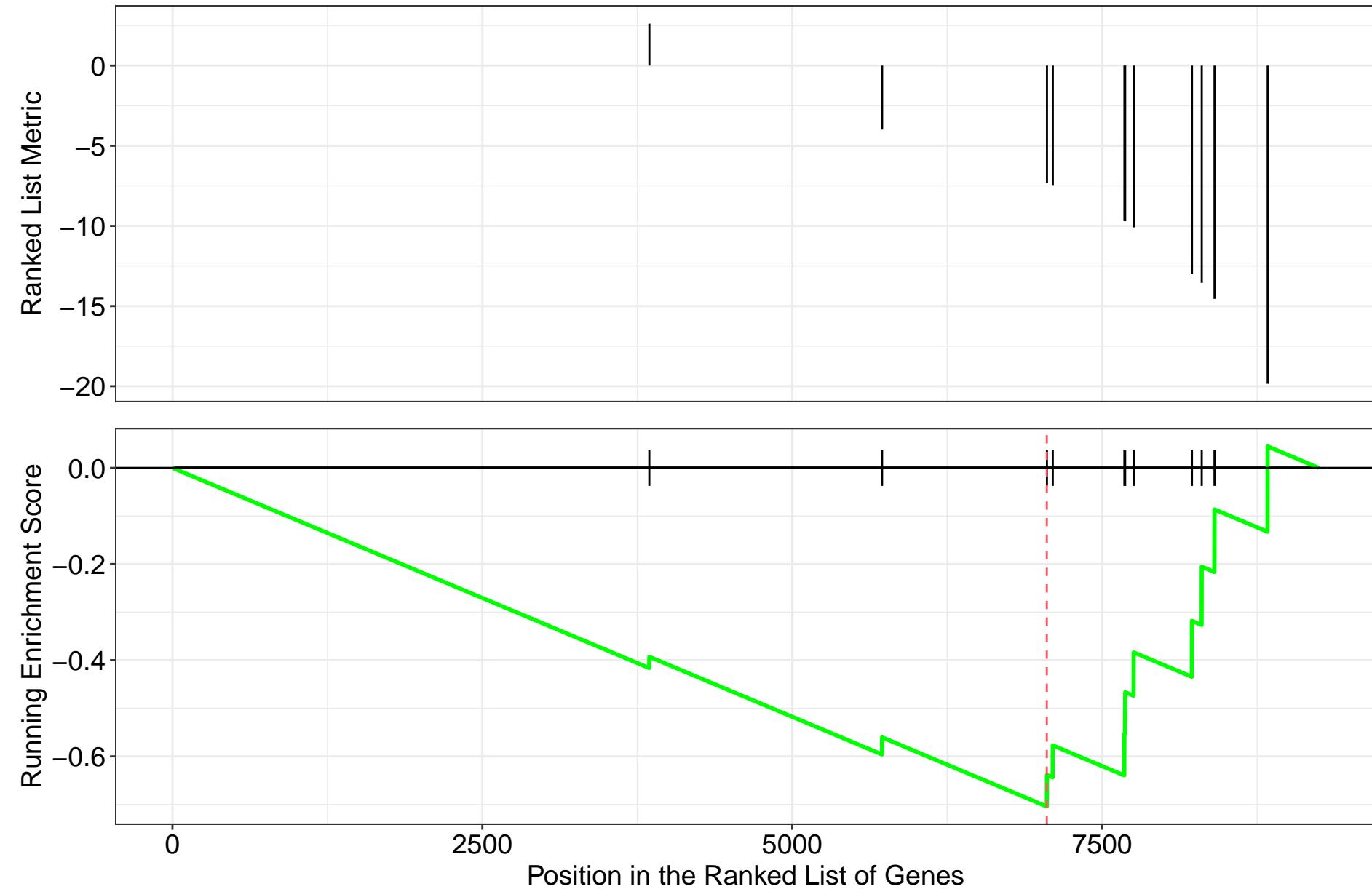
Position in the Ranked List of Genes



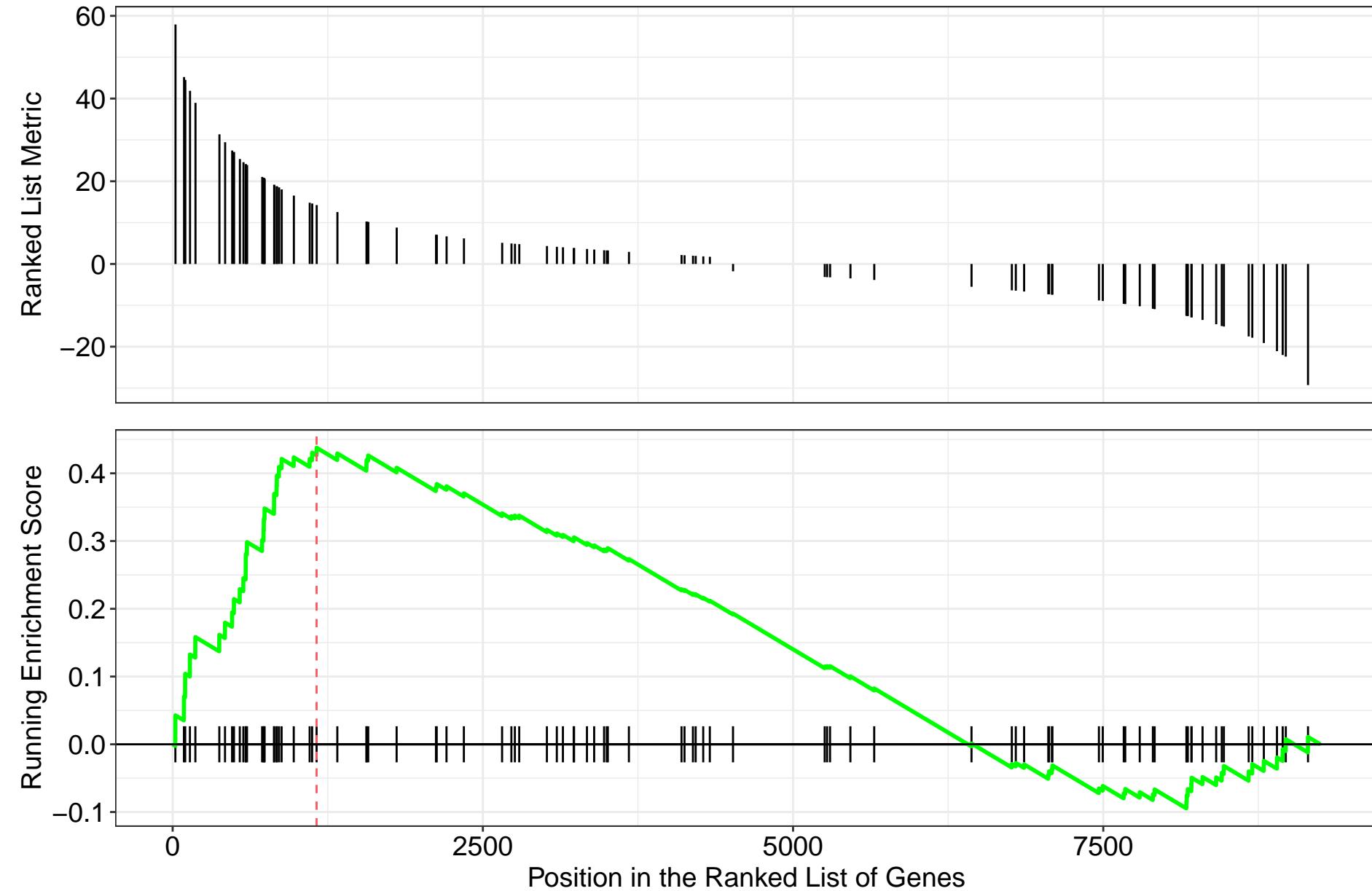
positive regulation of proteolysis



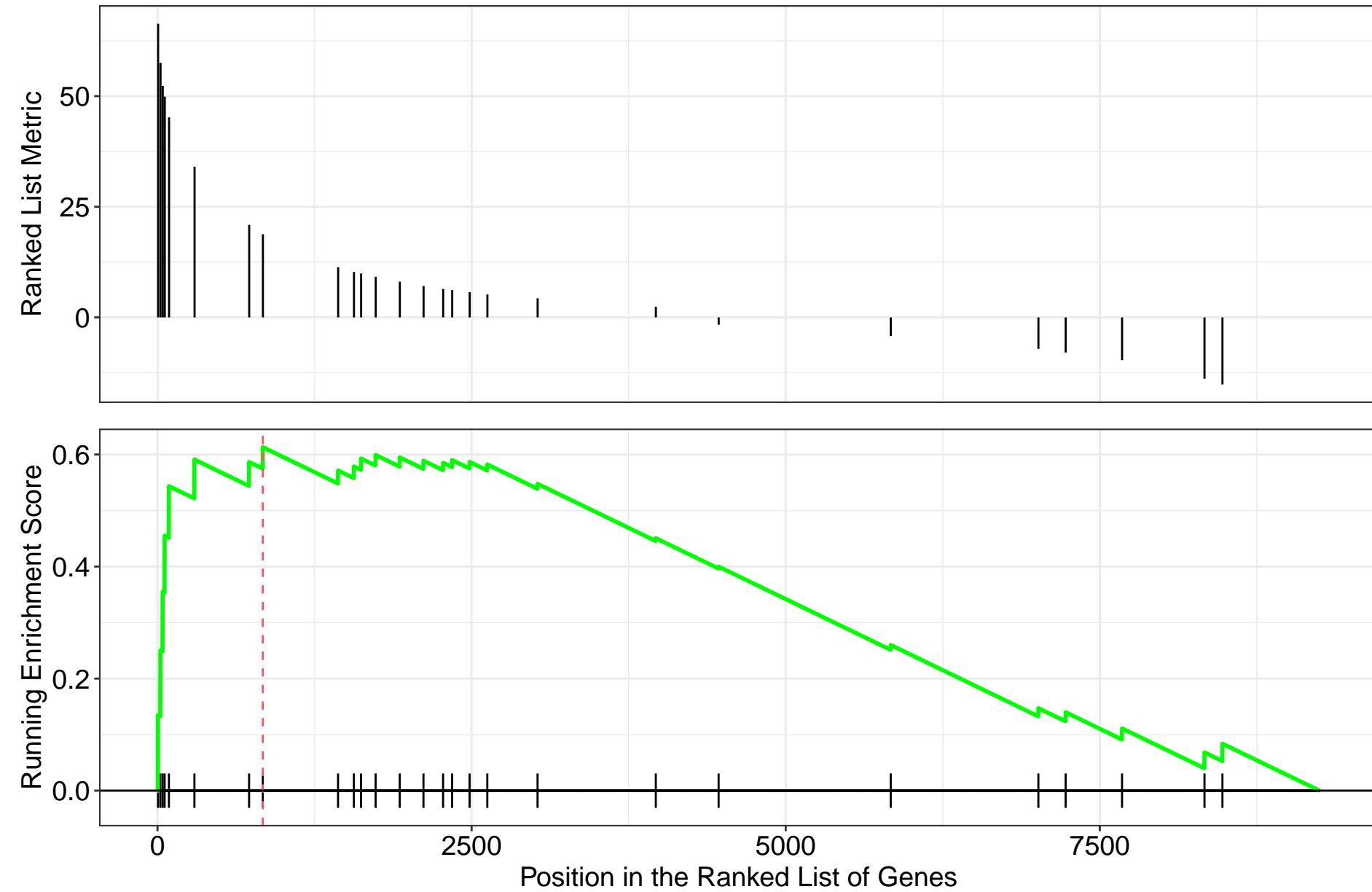
mitotic DNA replication



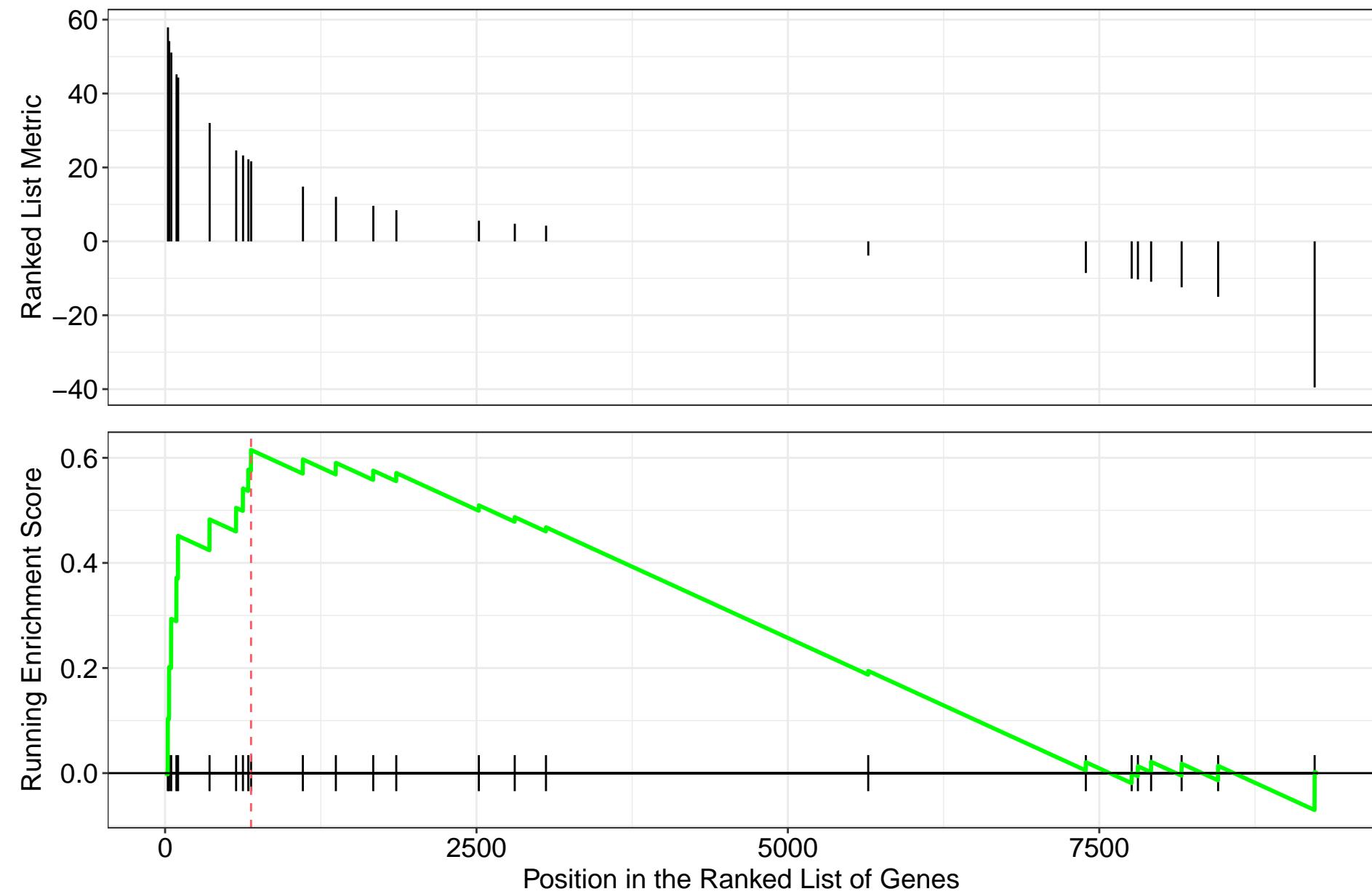
positive regulation of epithelial cell proliferation



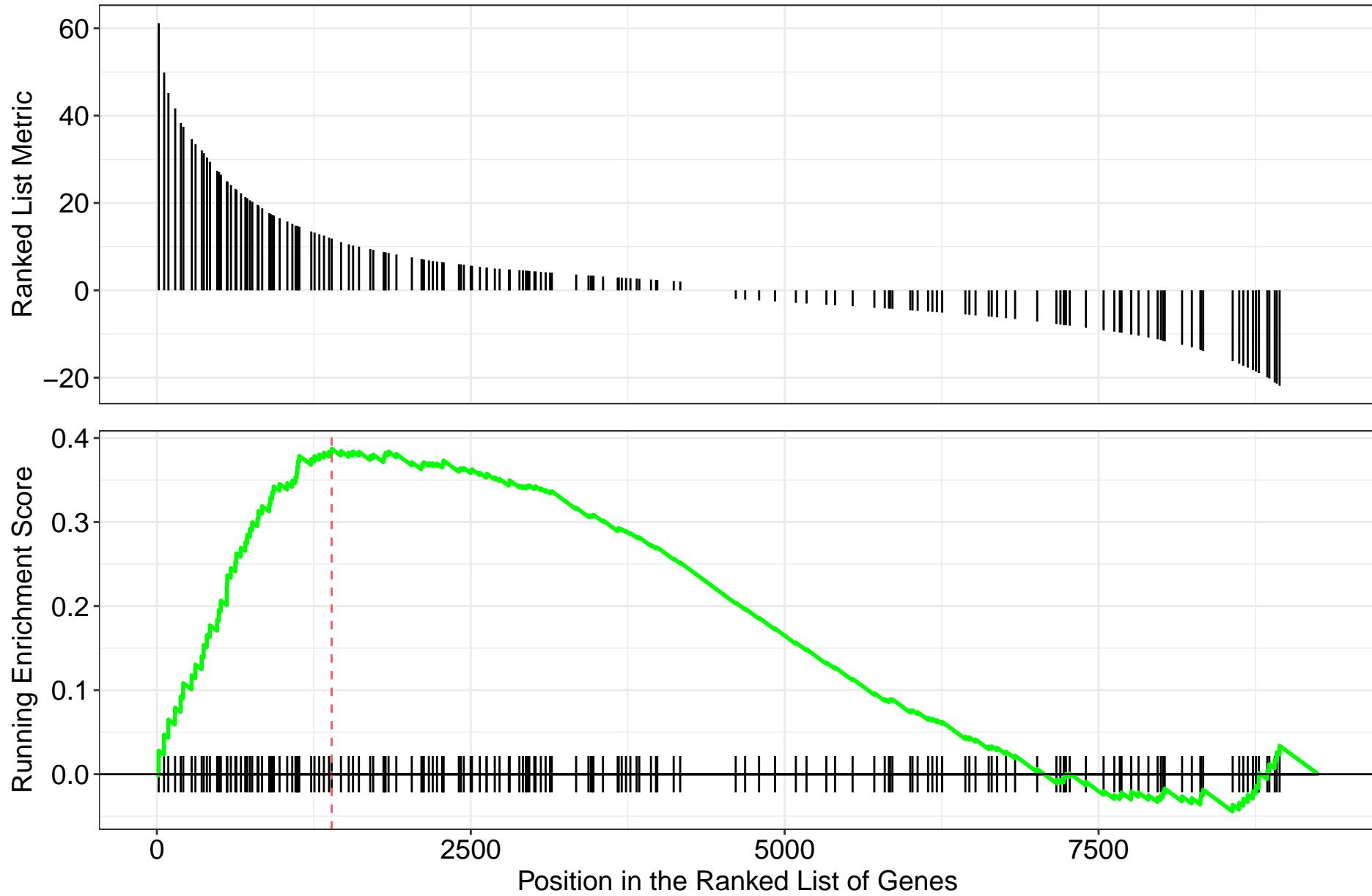
positive regulation of receptor signaling pathway via STAT



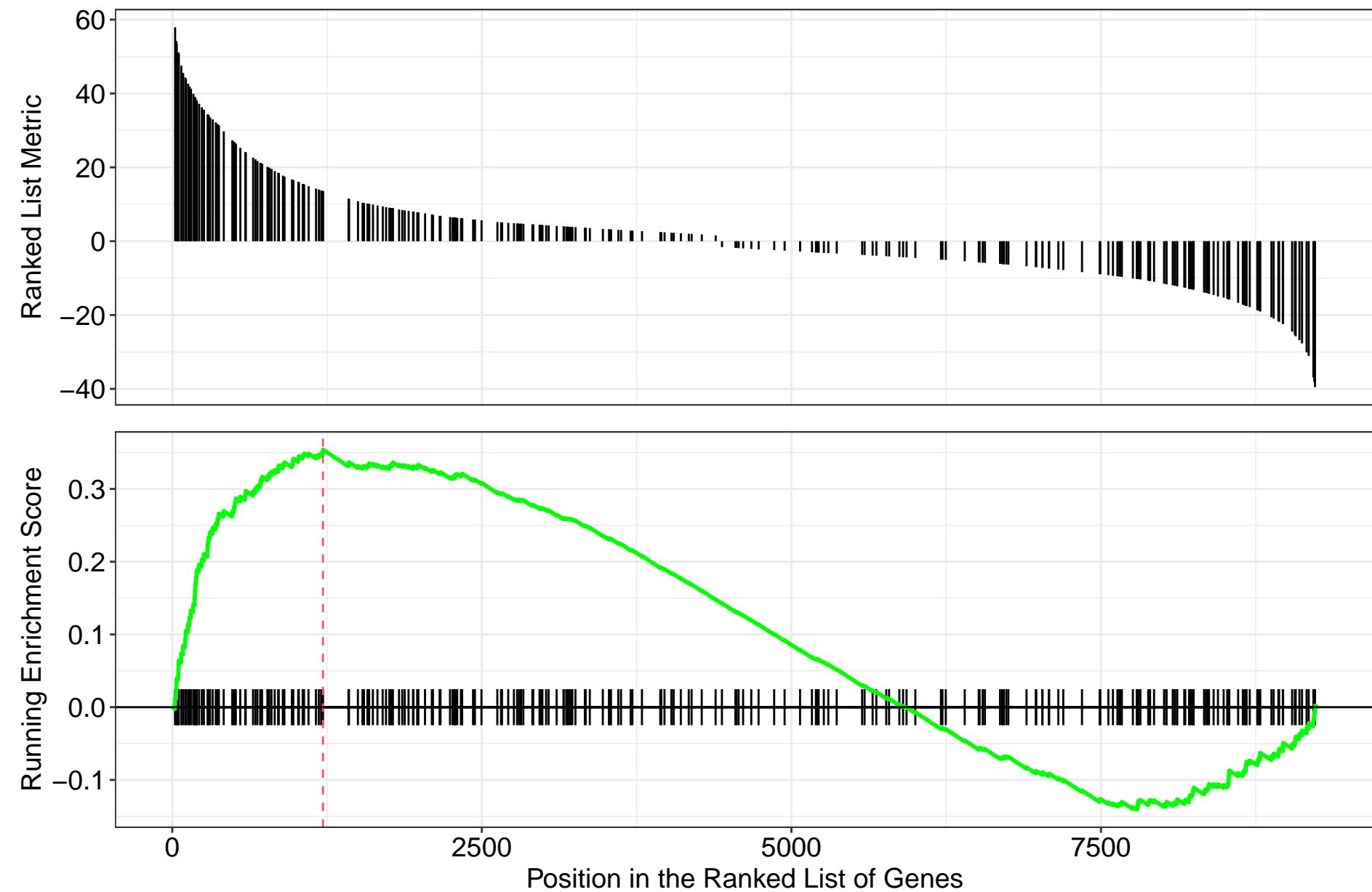
regulation of acute inflammatory response



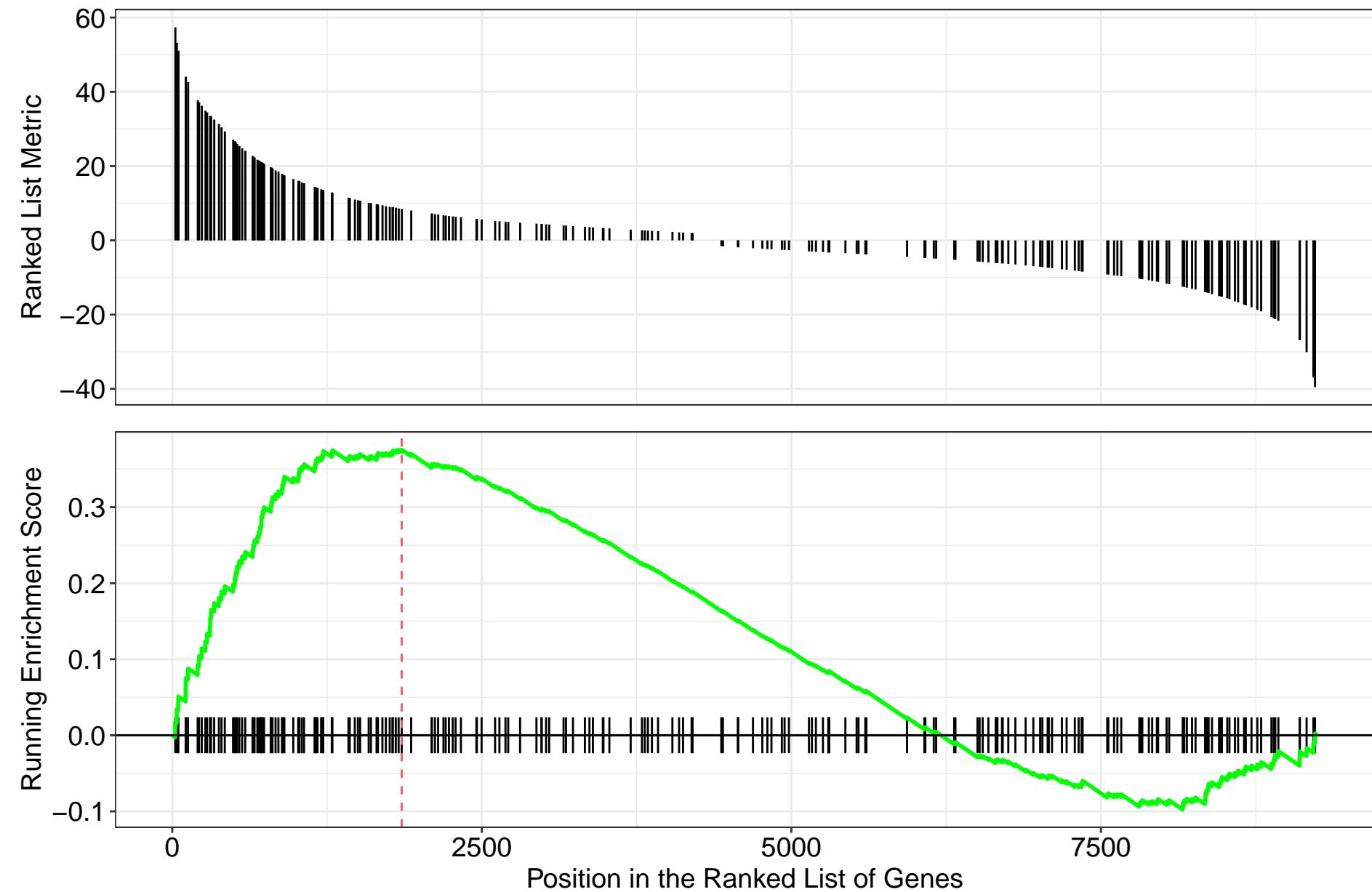
cell activation involved in immune response



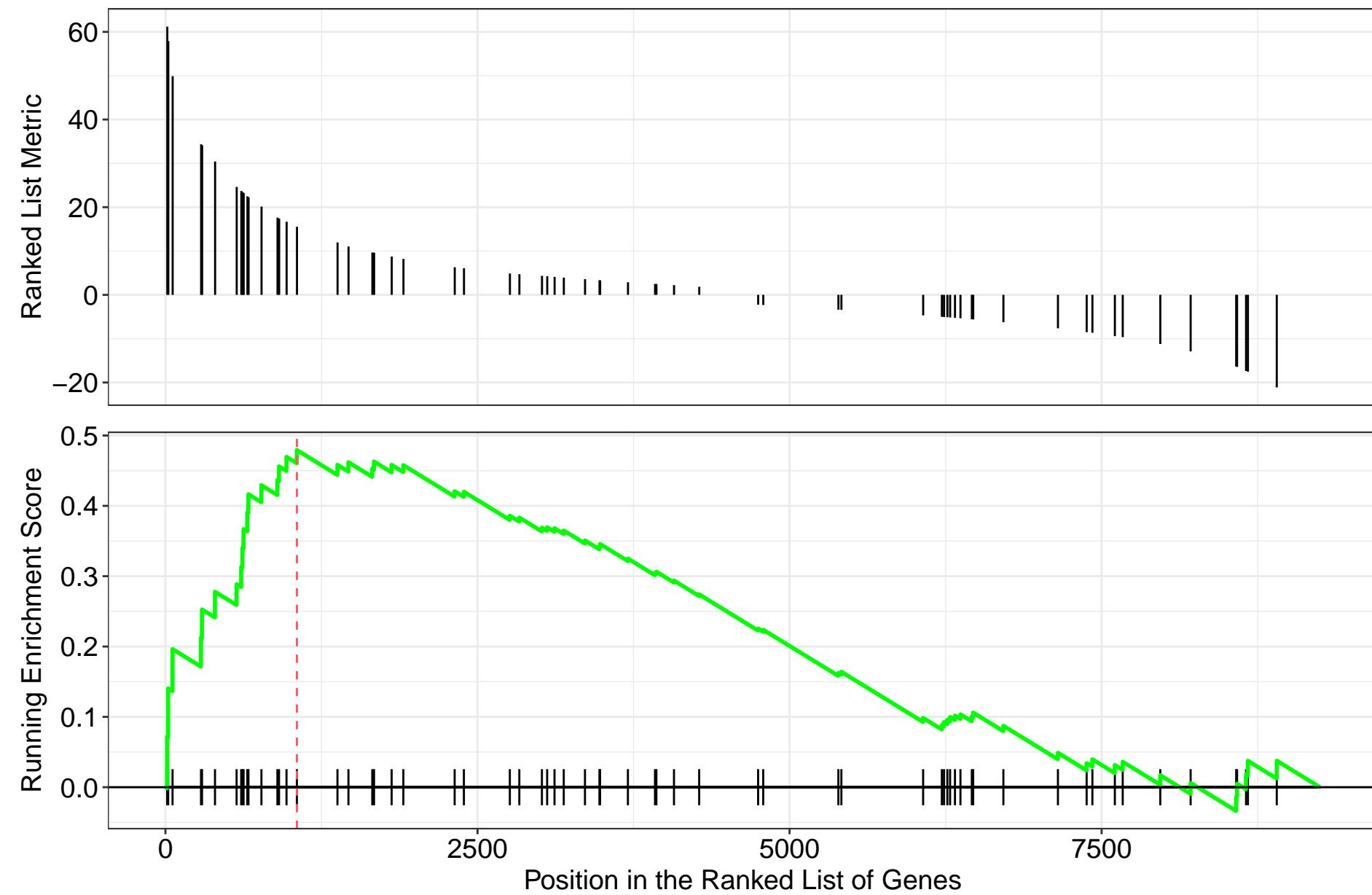
regulation of ion transport



circulatory system process

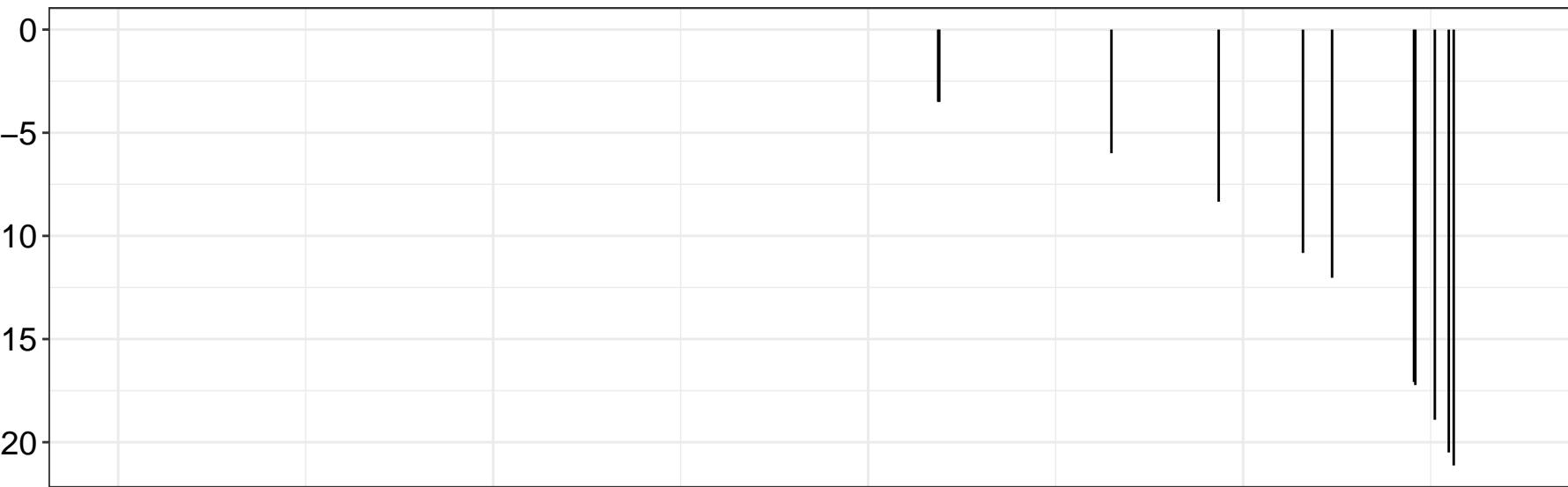


osteoclast differentiation



mitotic chromosome condensation

Ranked List Metric



Running Enrichment Score

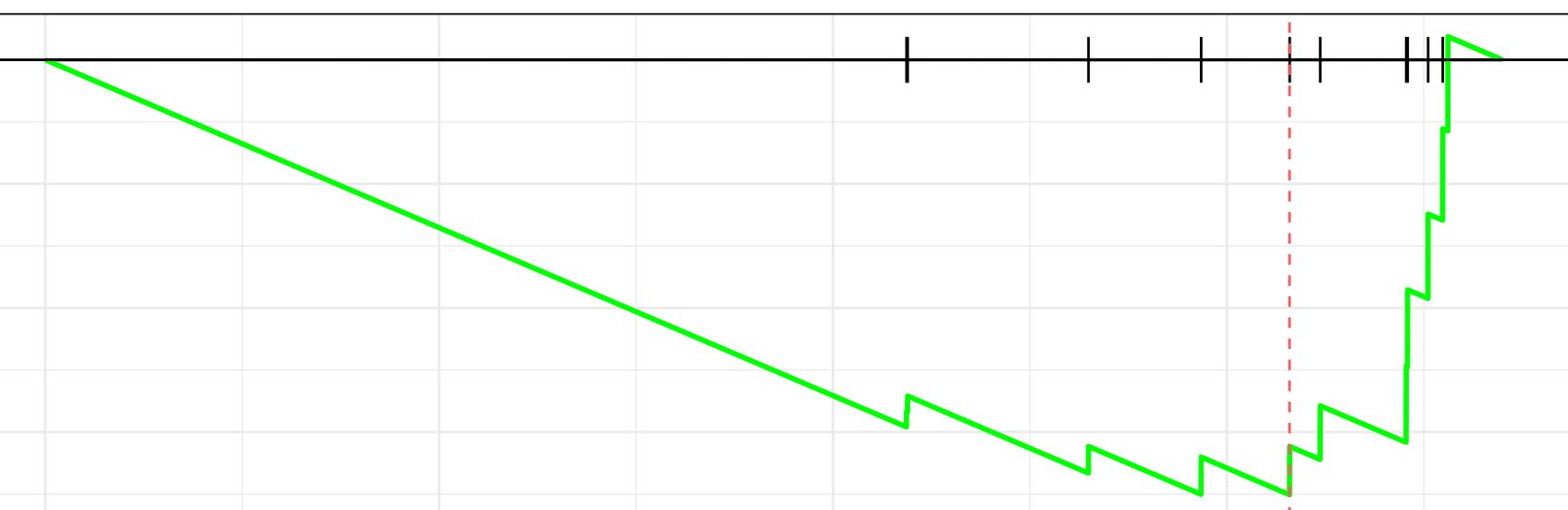
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2500

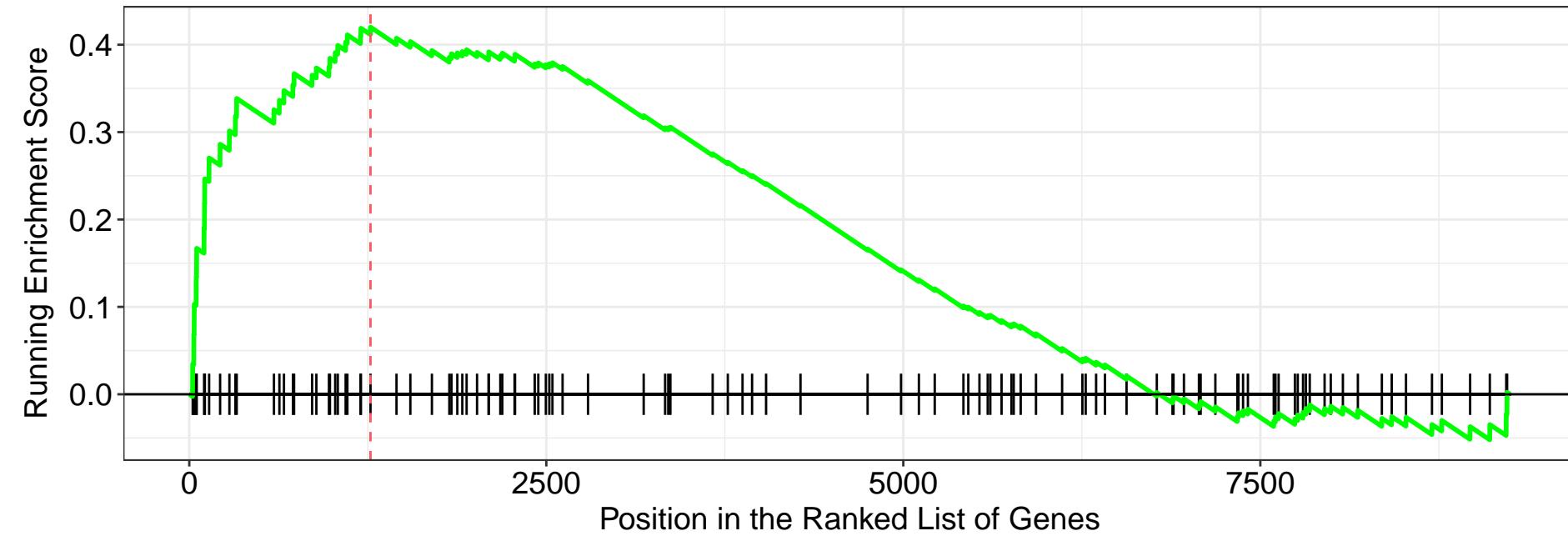
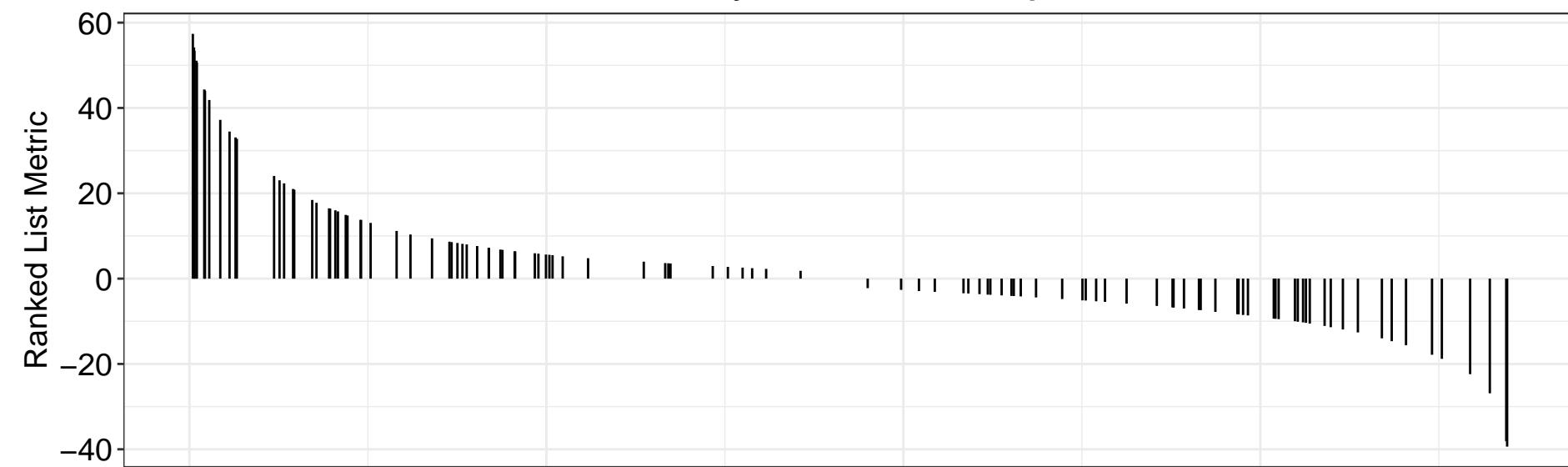
5000

7500

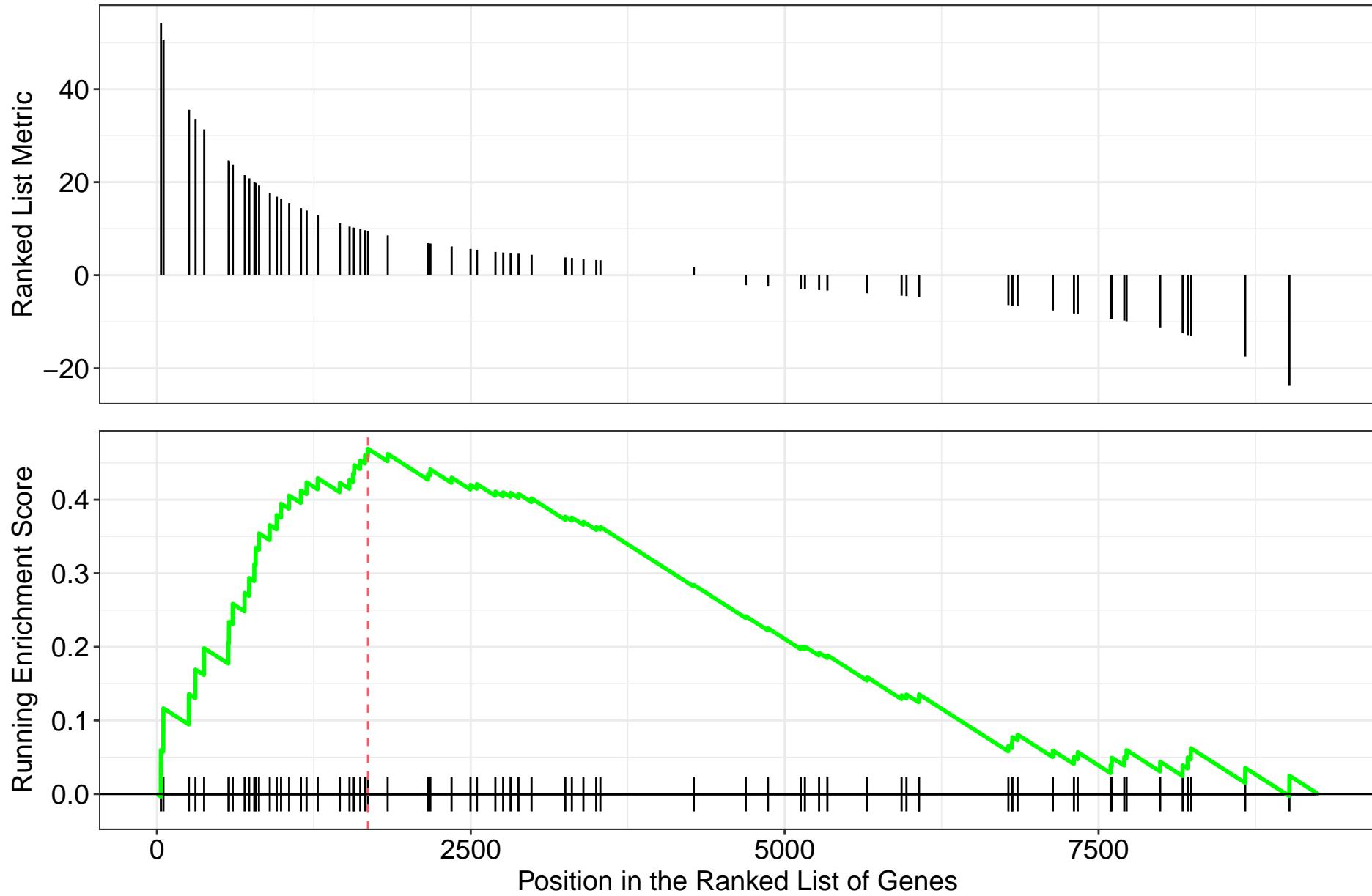
Position in the Ranked List of Genes



carboxylic acid transport

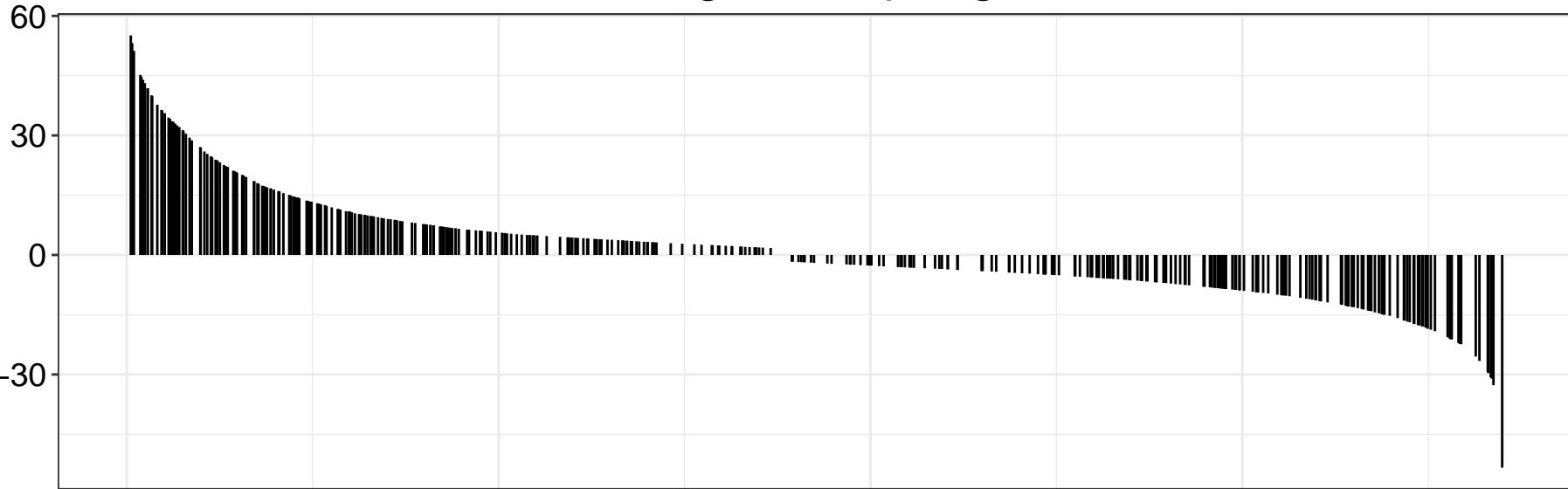


regulation of epithelial cell differentiation



animal organ morphogenesis

Ranked List Metric



Running Enrichment Score

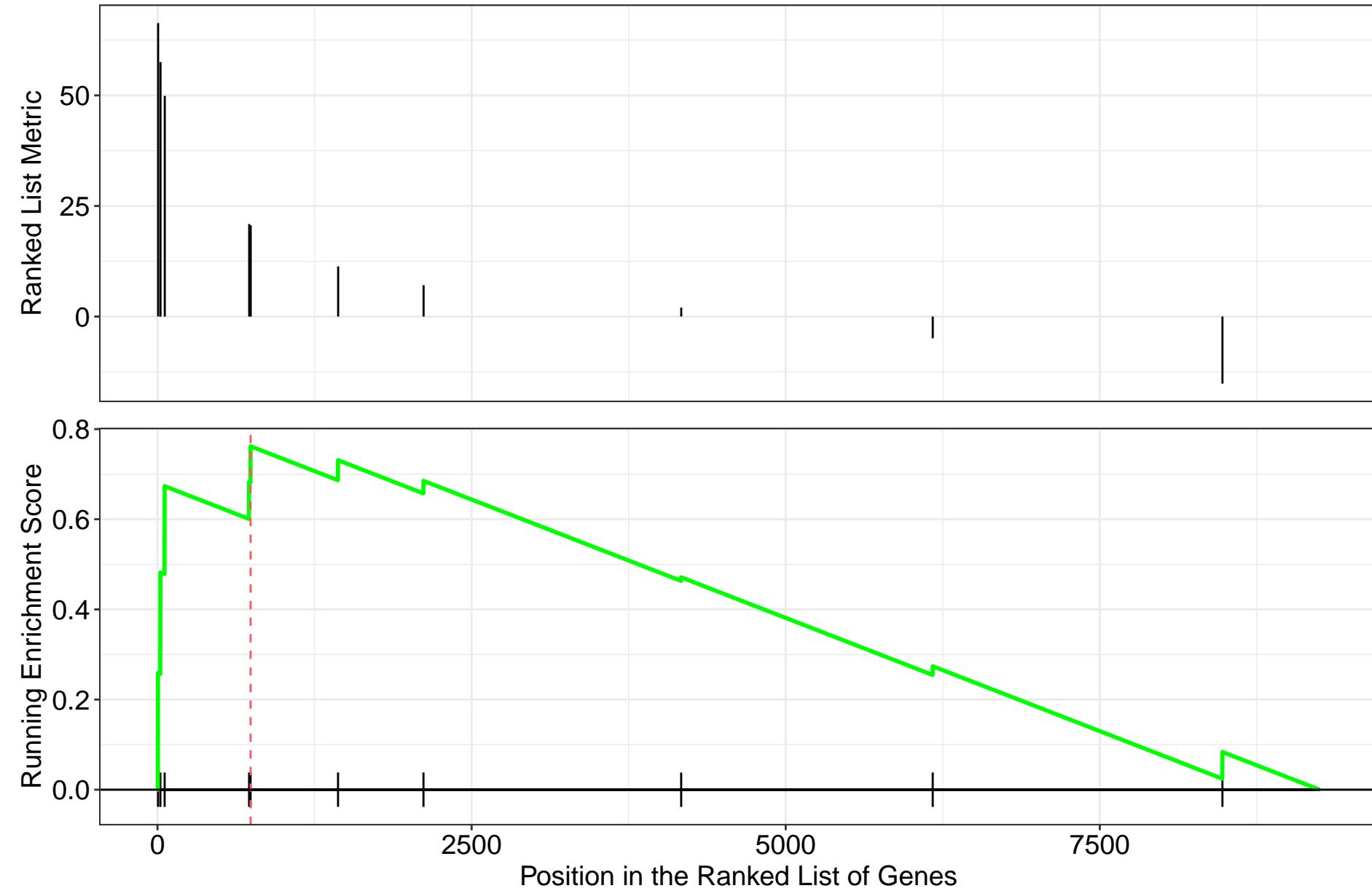
Position in the Ranked List of Genes

0 2500 5000 7500

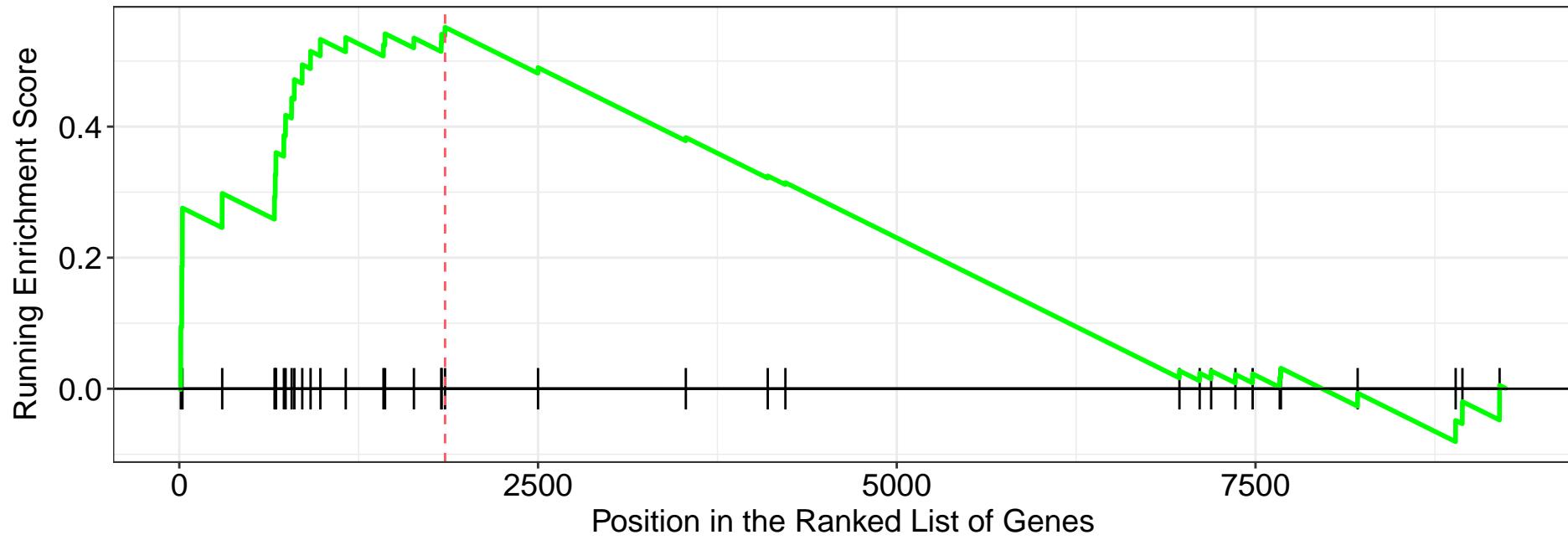
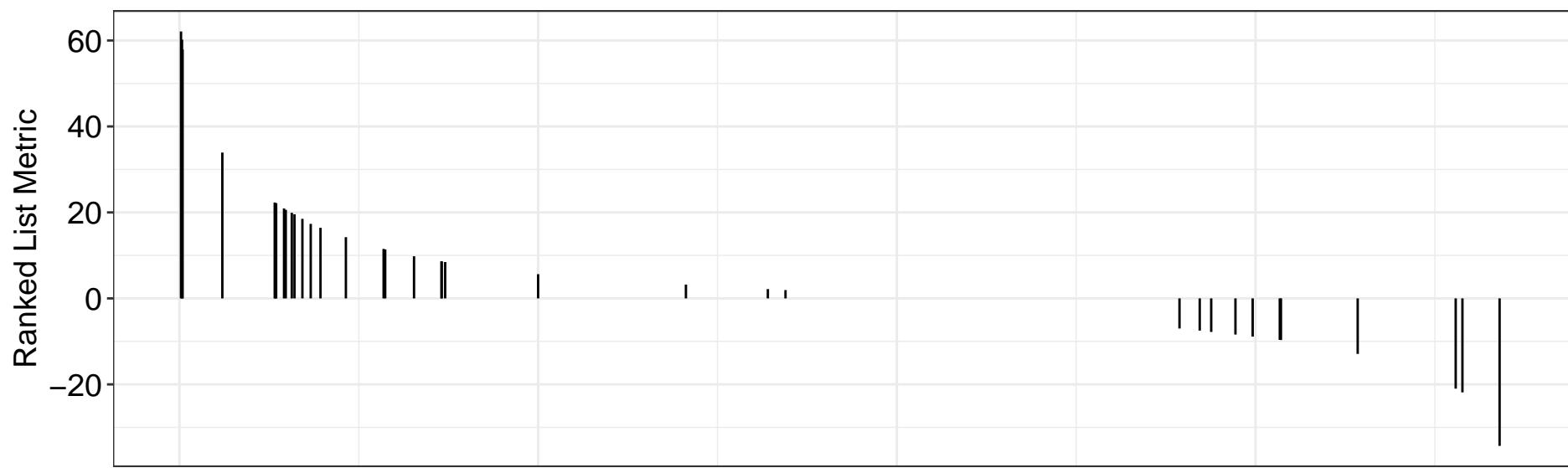
Position in the Ranked List of Genes



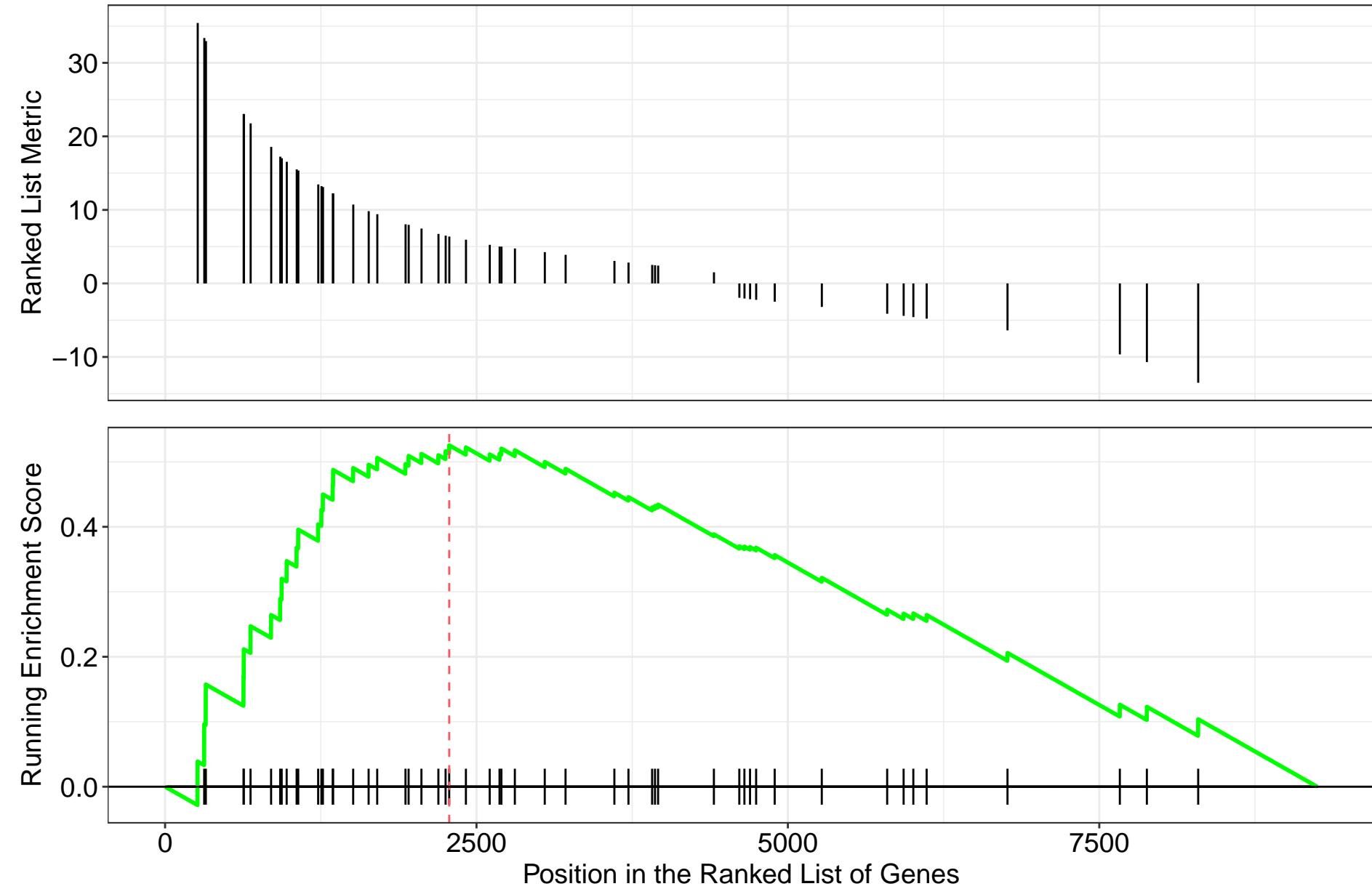
regulation of NK T cell proliferation



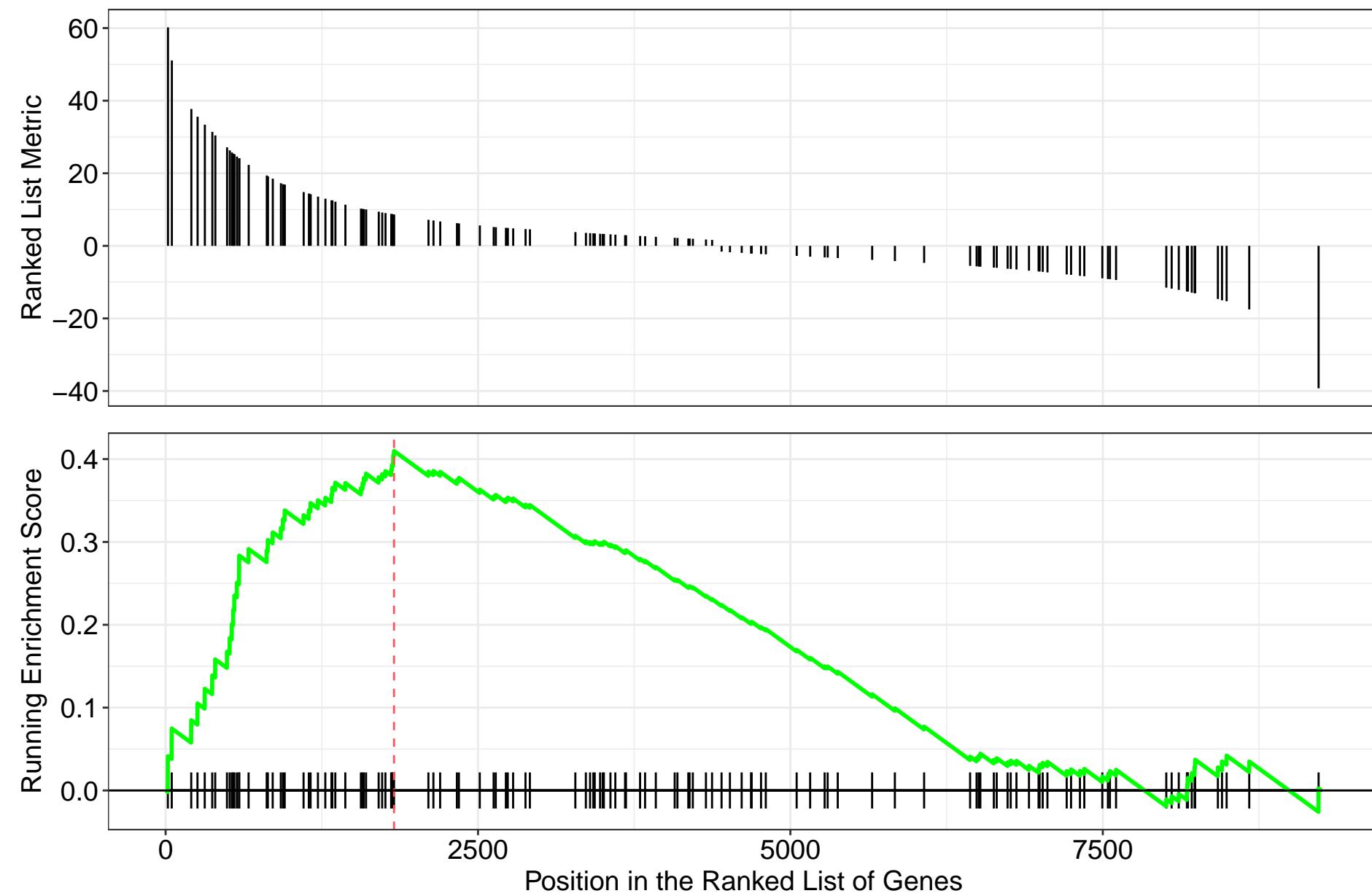
positive regulation of phosphatidylinositol 3-kinase signaling



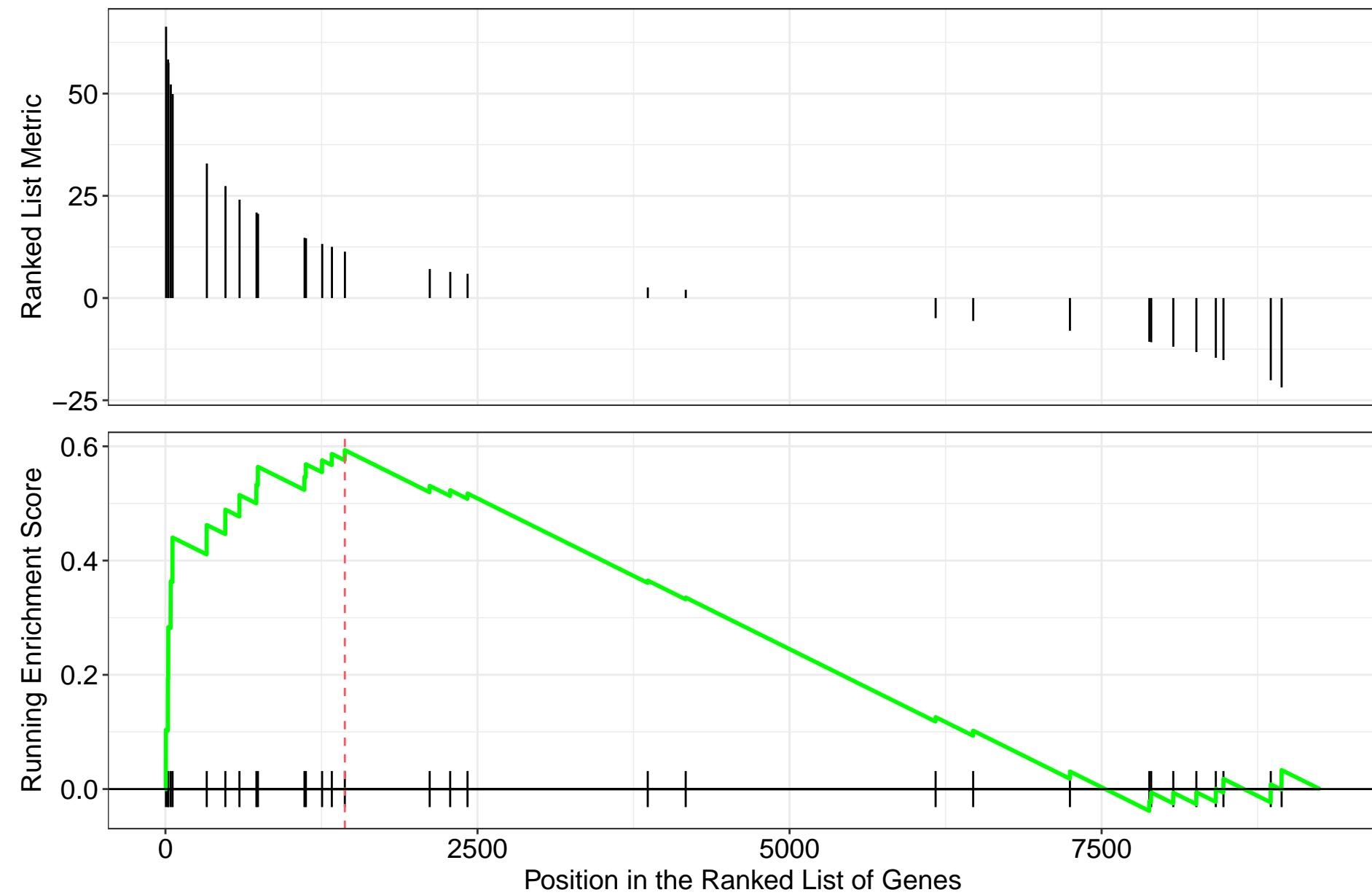
positive regulation of type I interferon production



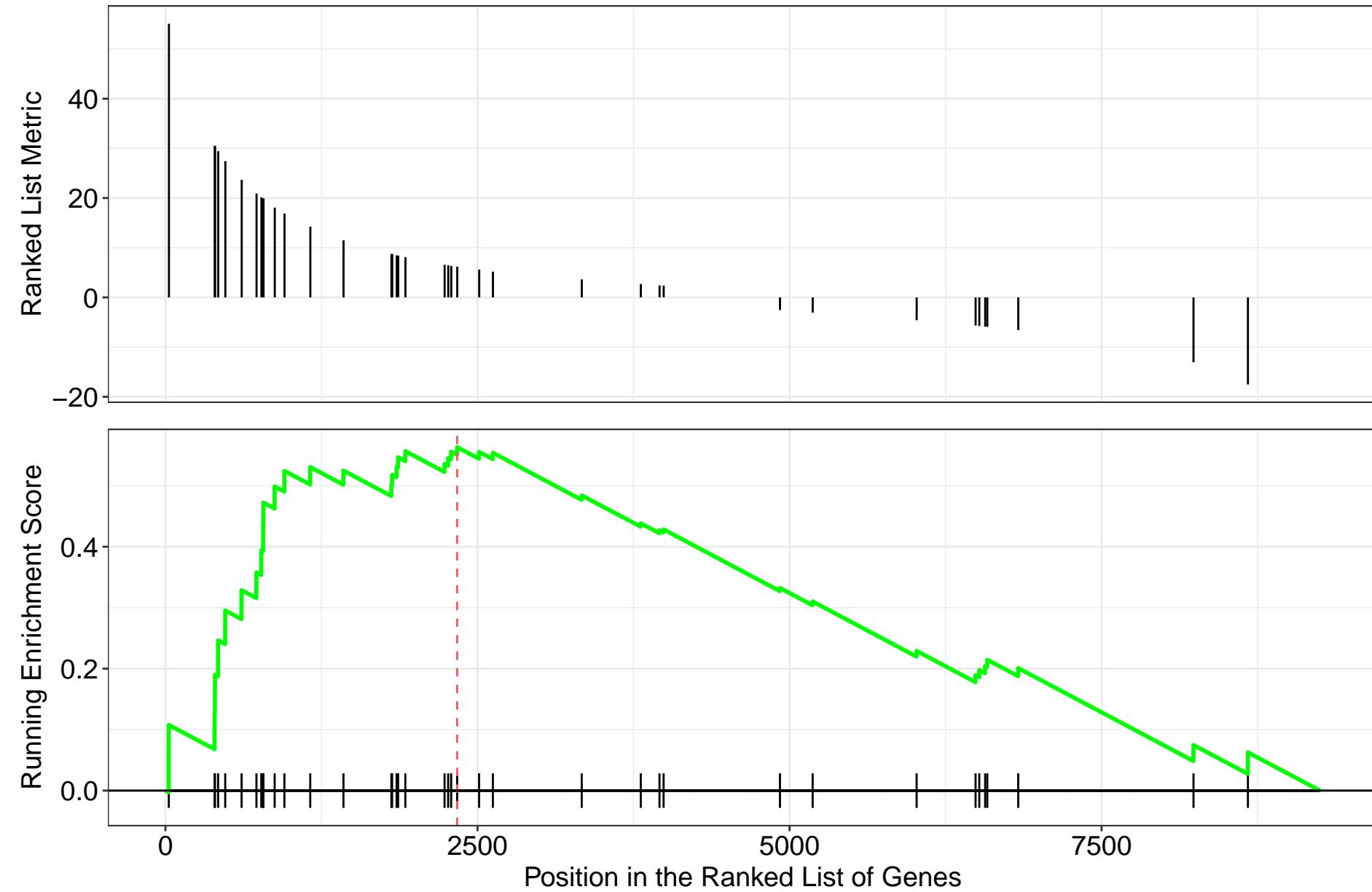
regulation of epithelial cell migration



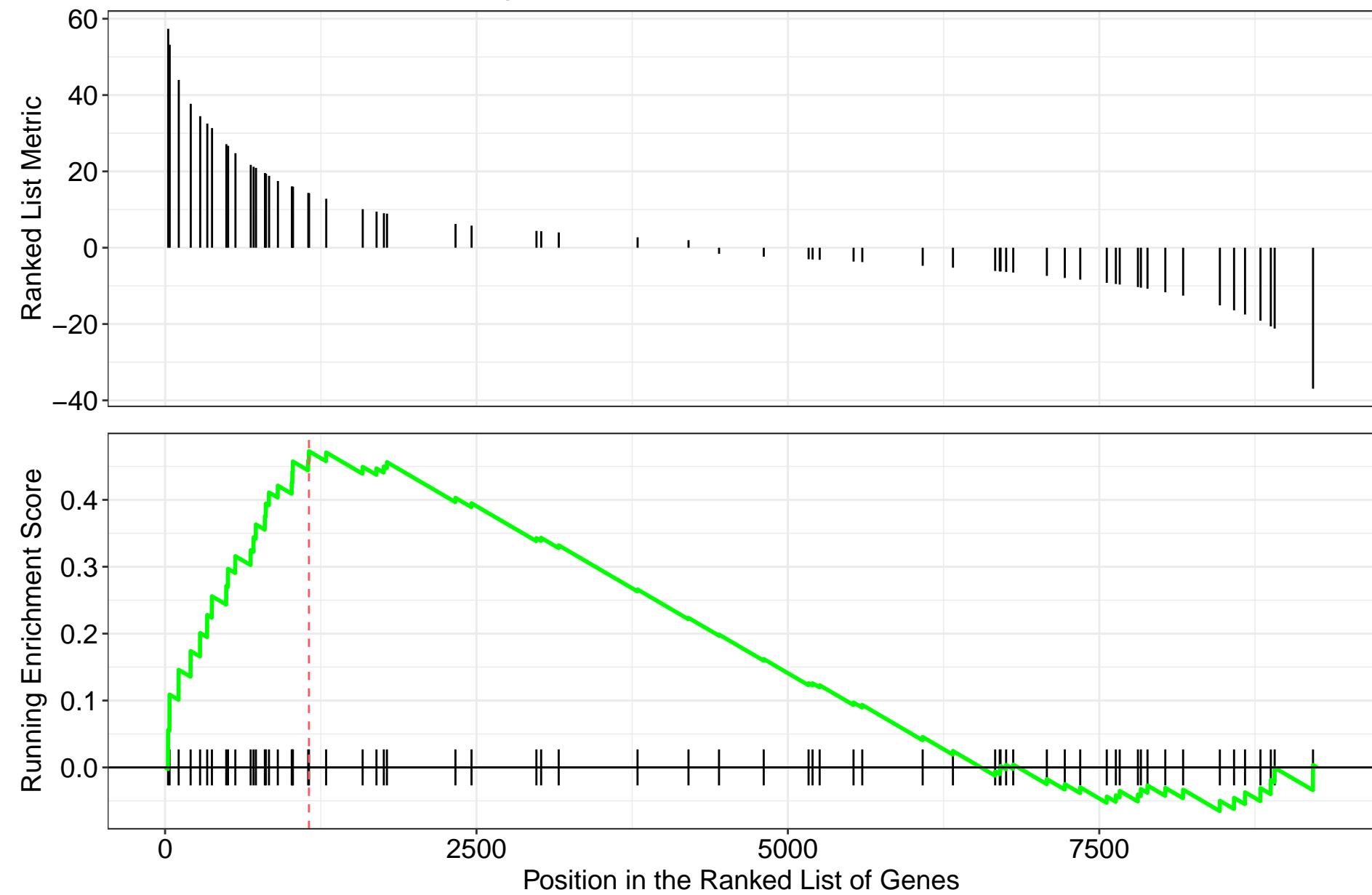
regulation of alpha–beta T cell proliferation



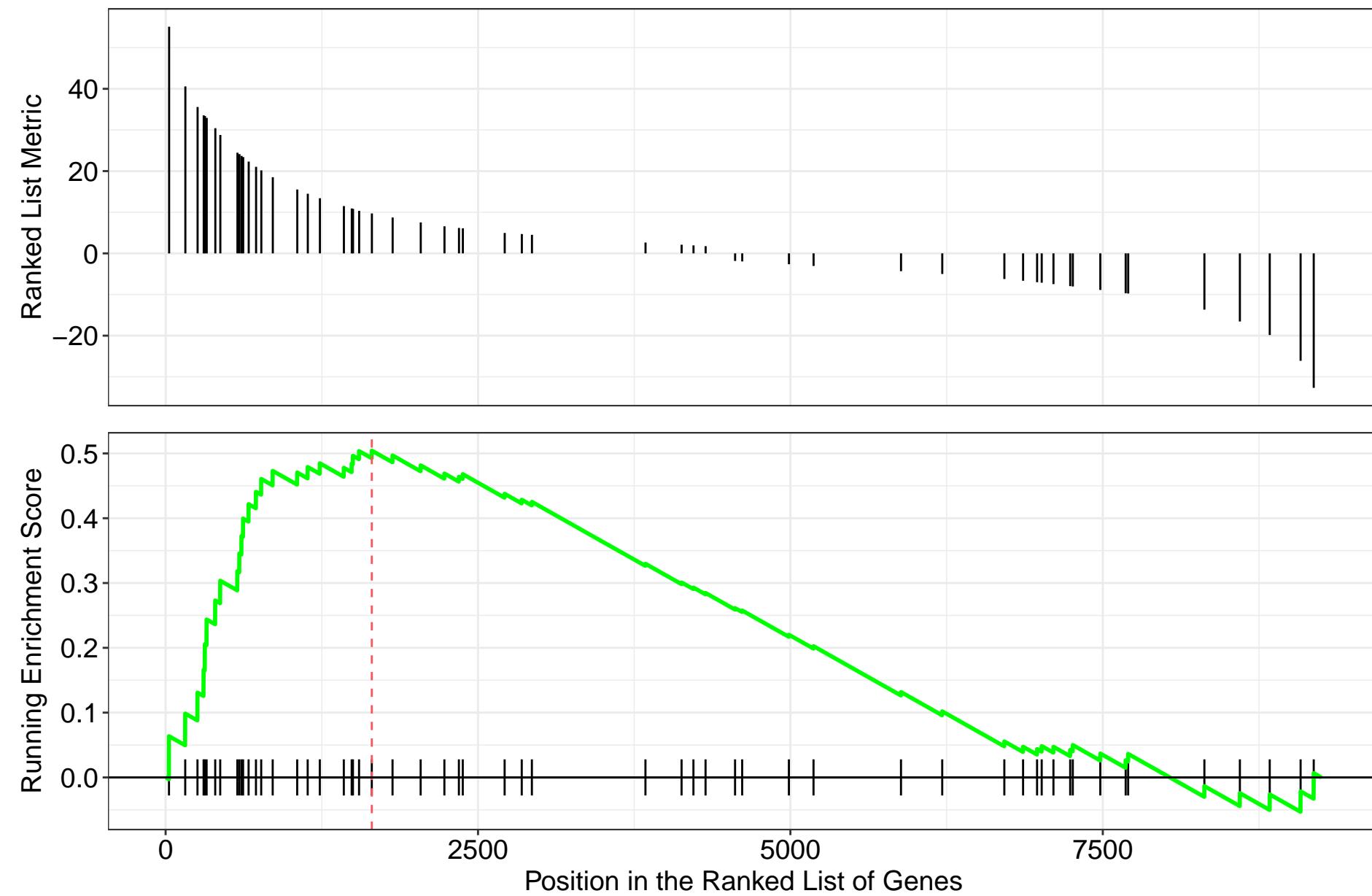
platelet-derived growth factor receptor signaling pathway



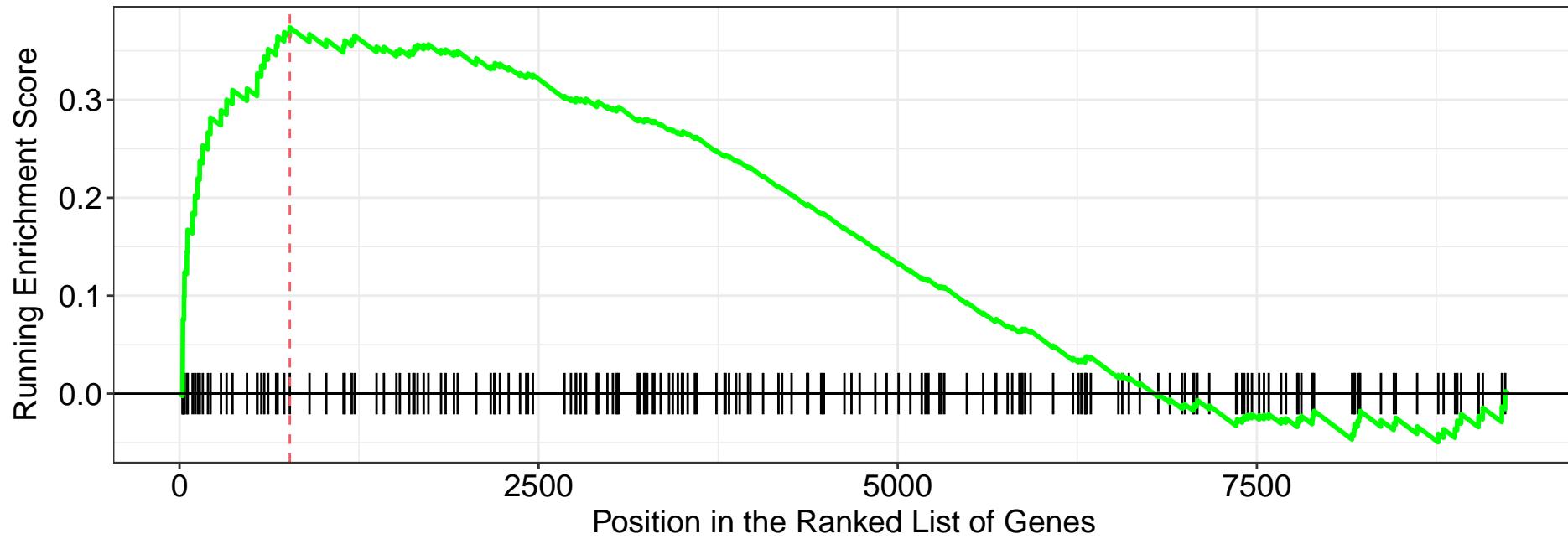
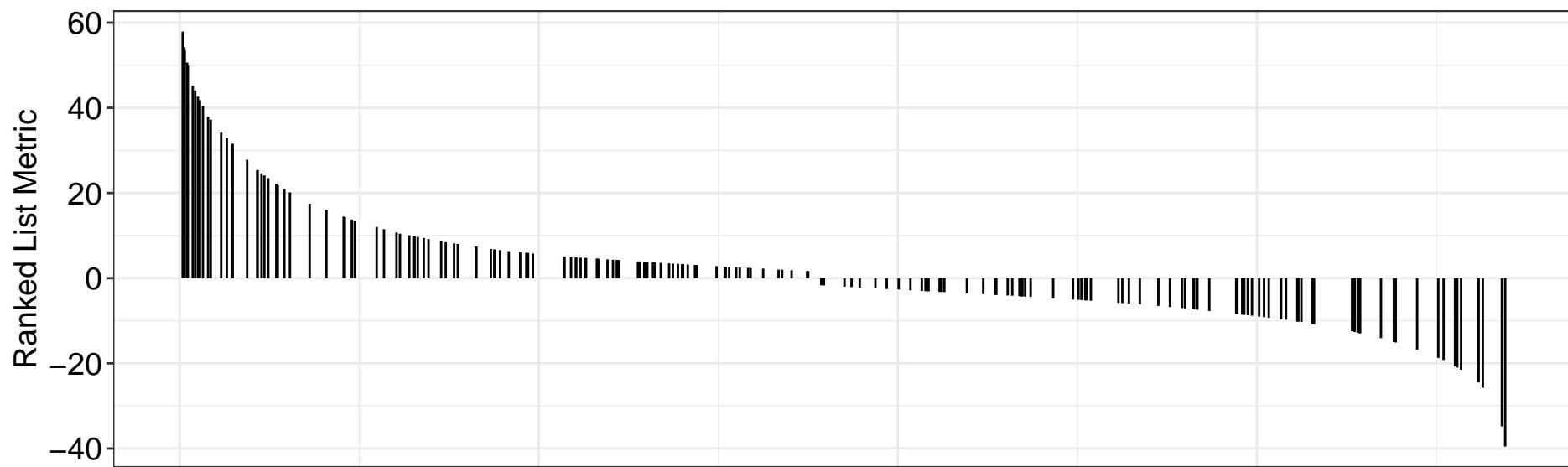
regulation of heart contraction



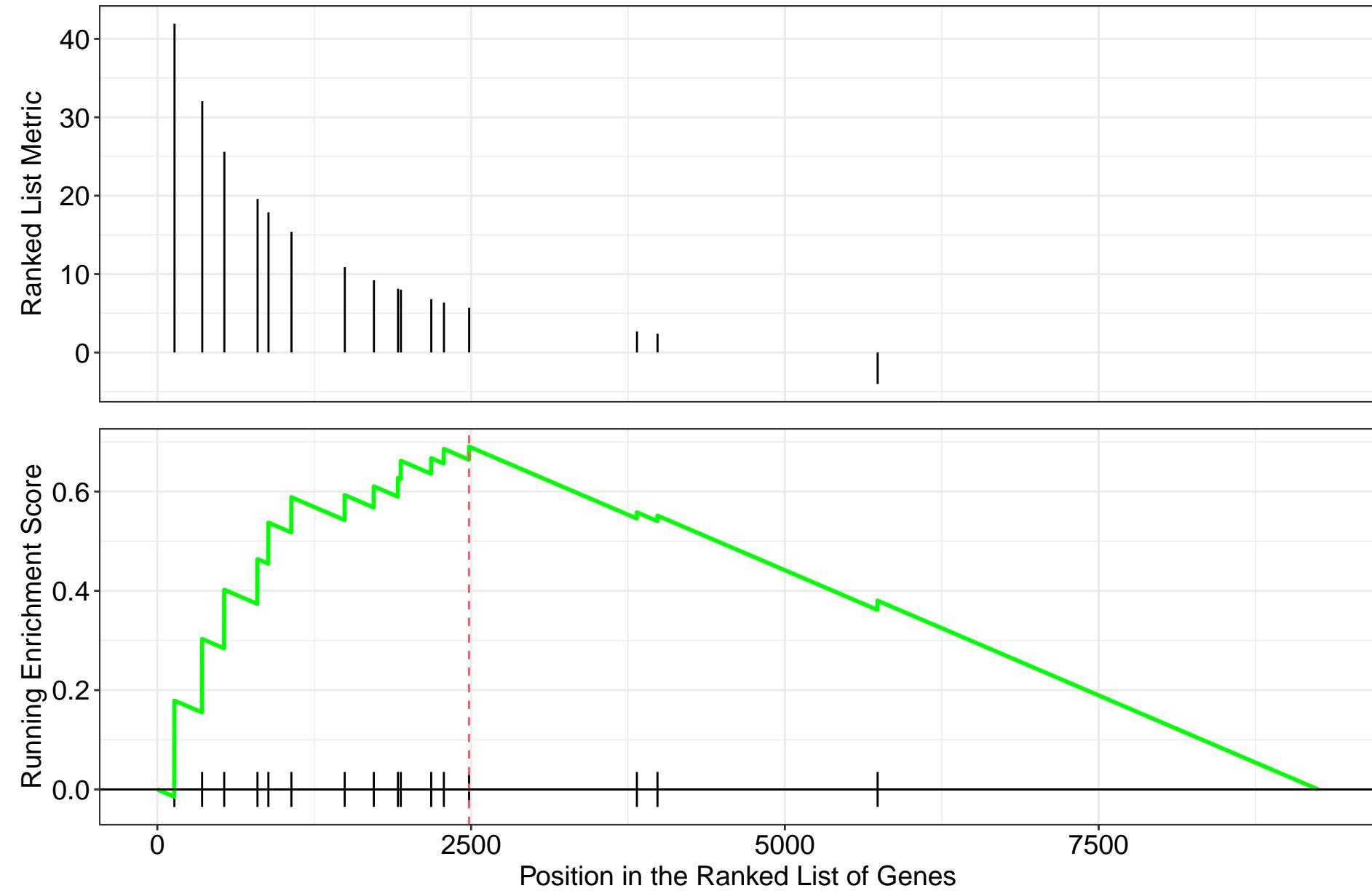
female sex differentiation



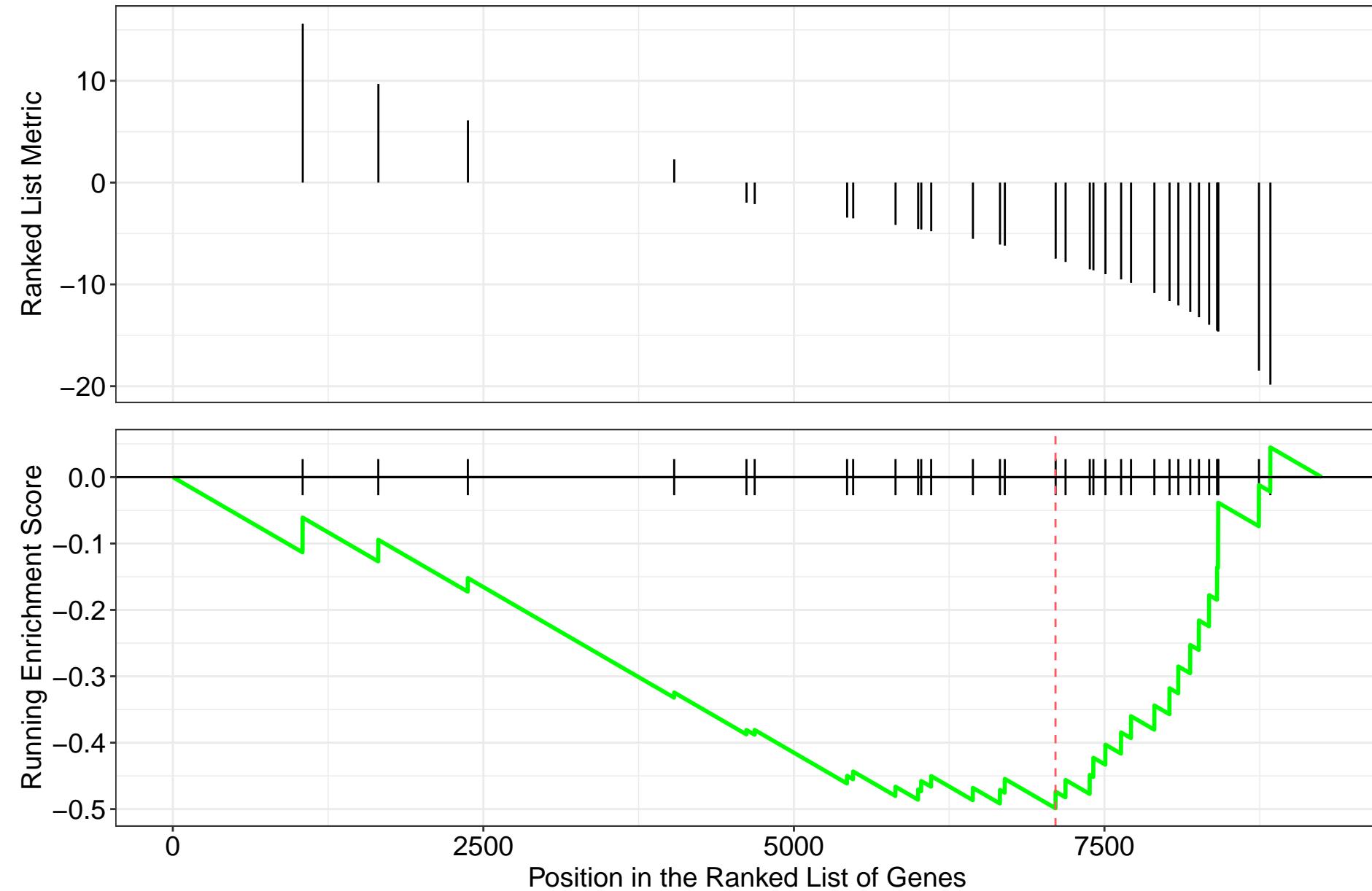
protein localization to extracellular region



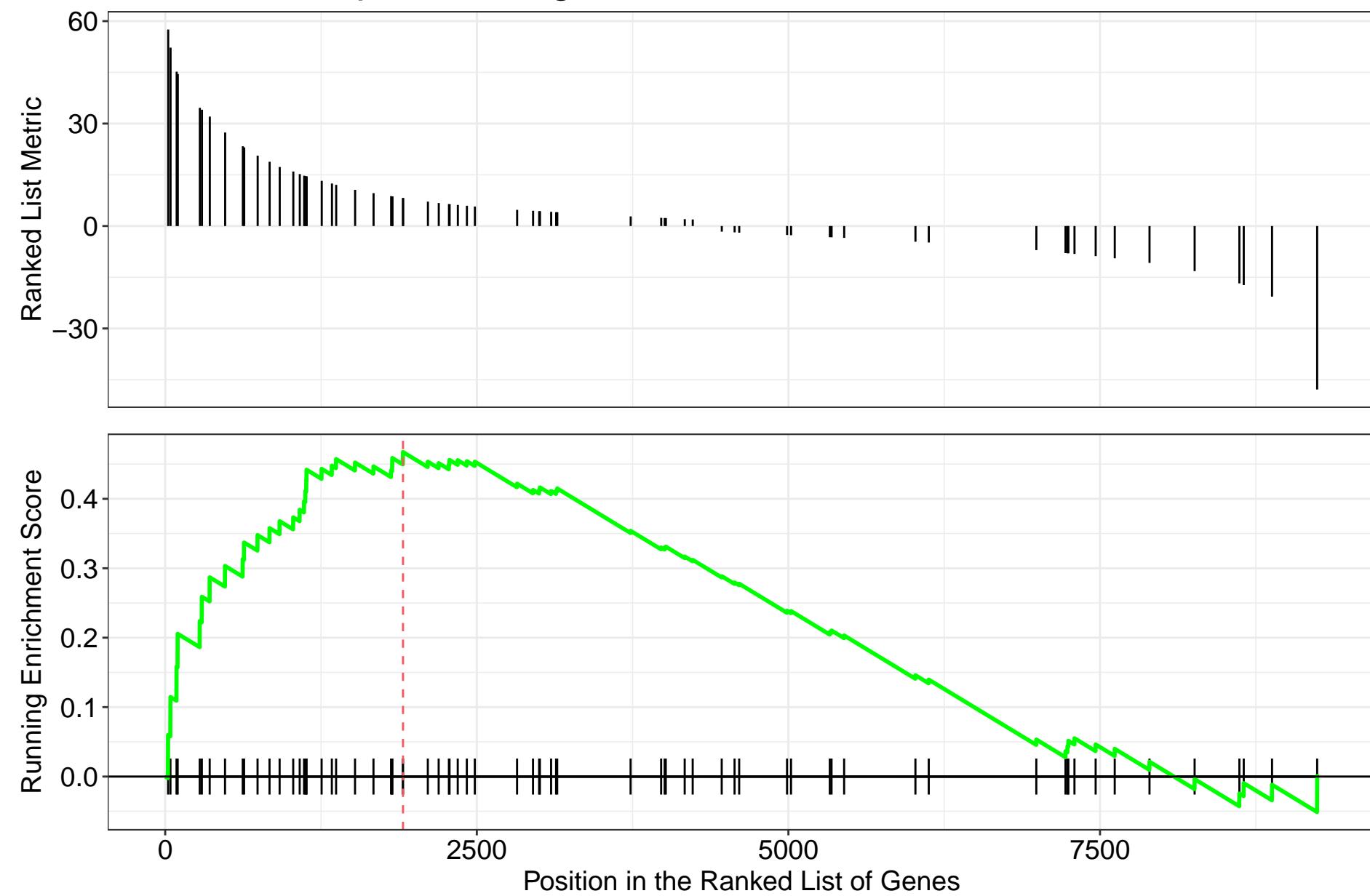
lymph node development



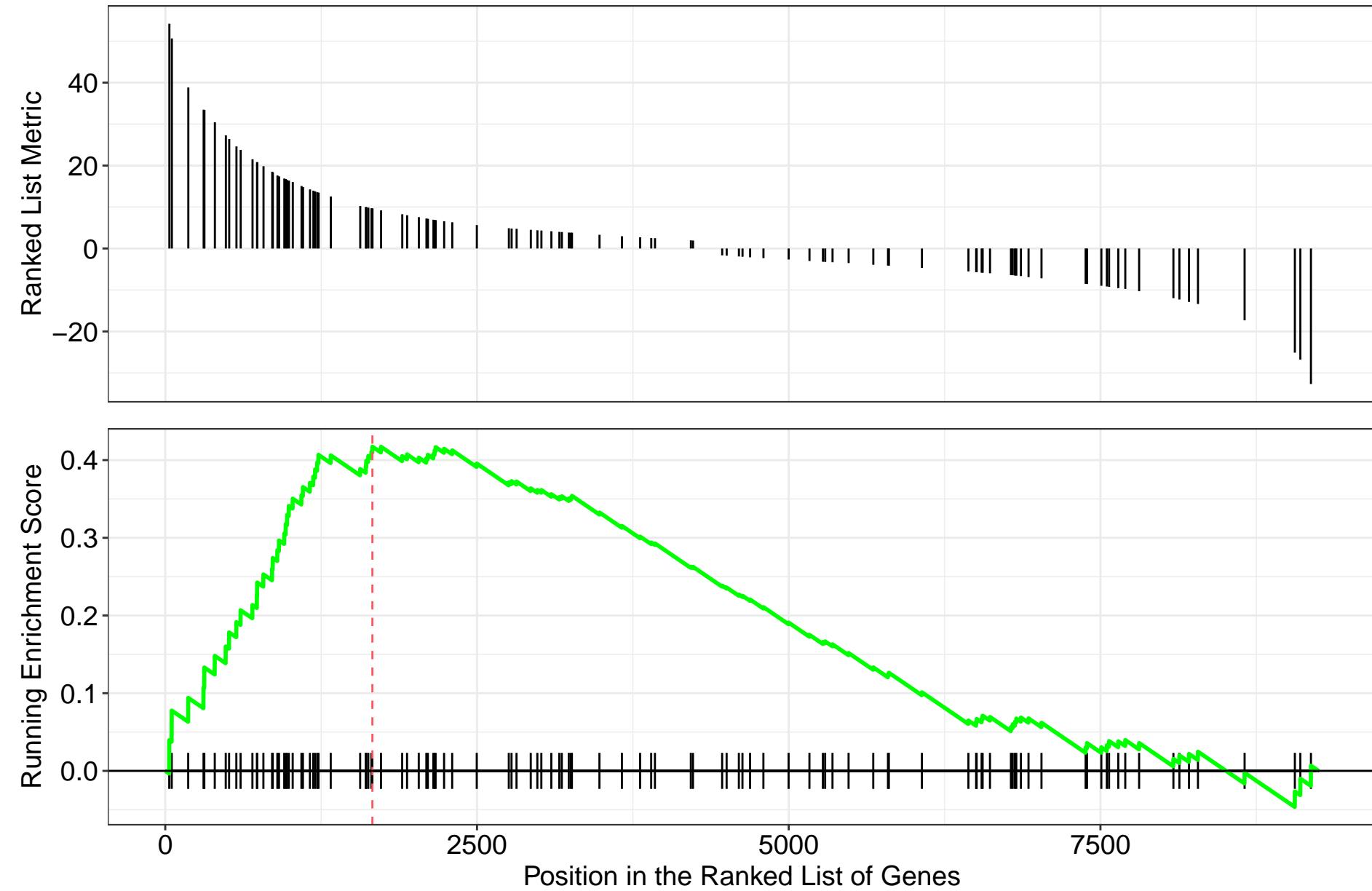
DNA–templated DNA replication maintenance of fidelity



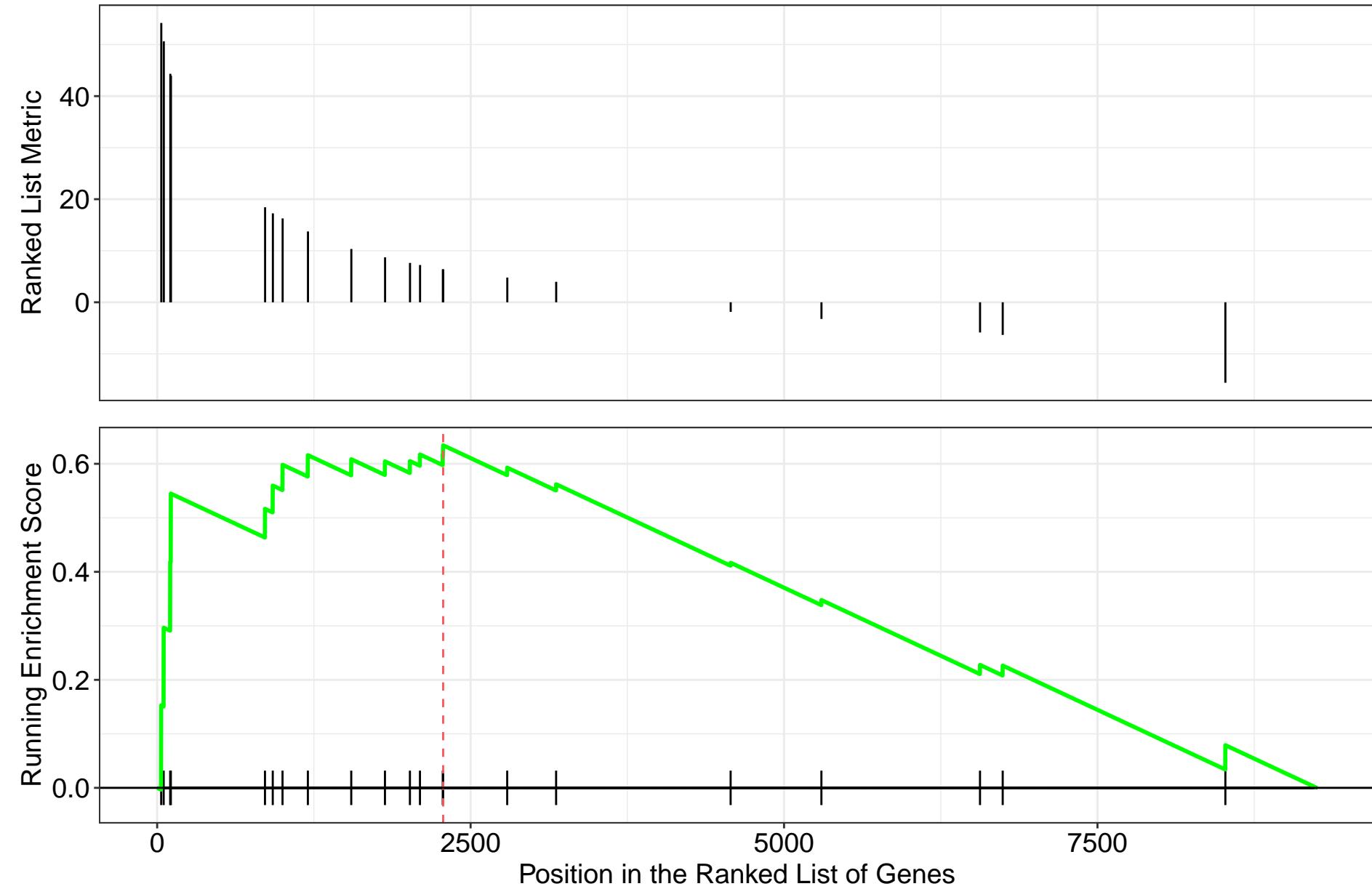
positive regulation of T cell differentiation



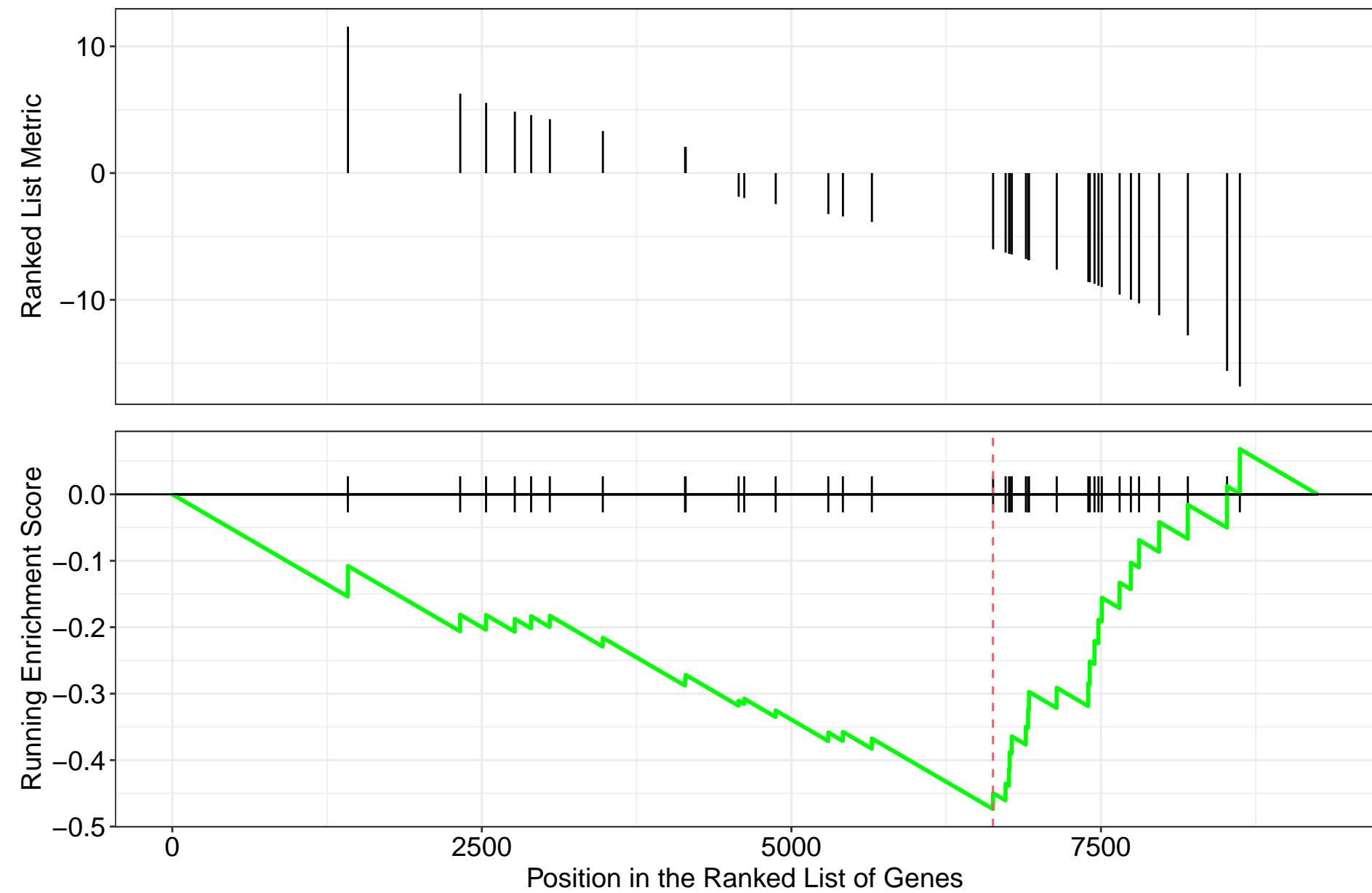
epithelial cell development



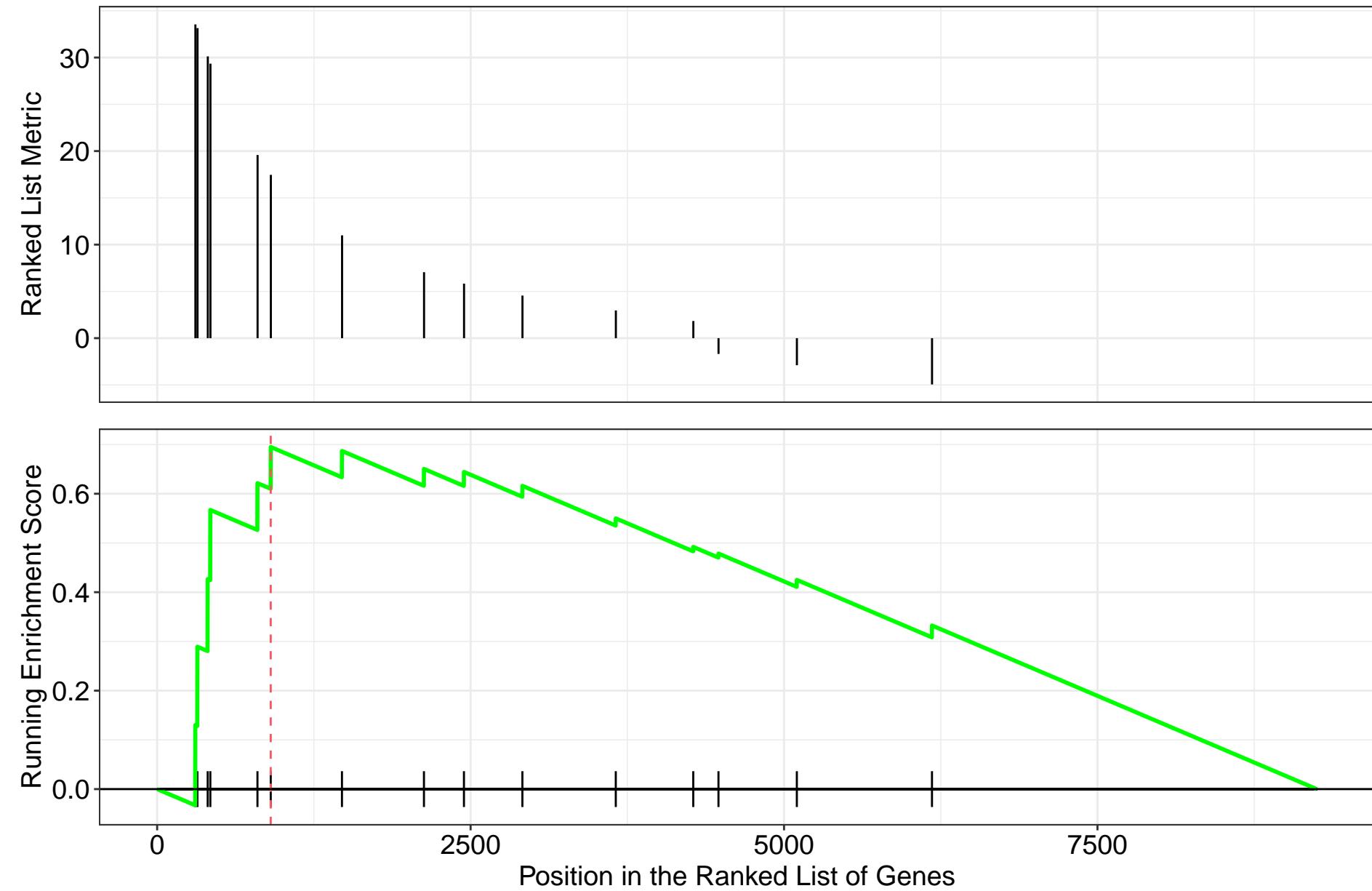
regulation of fatty acid transport



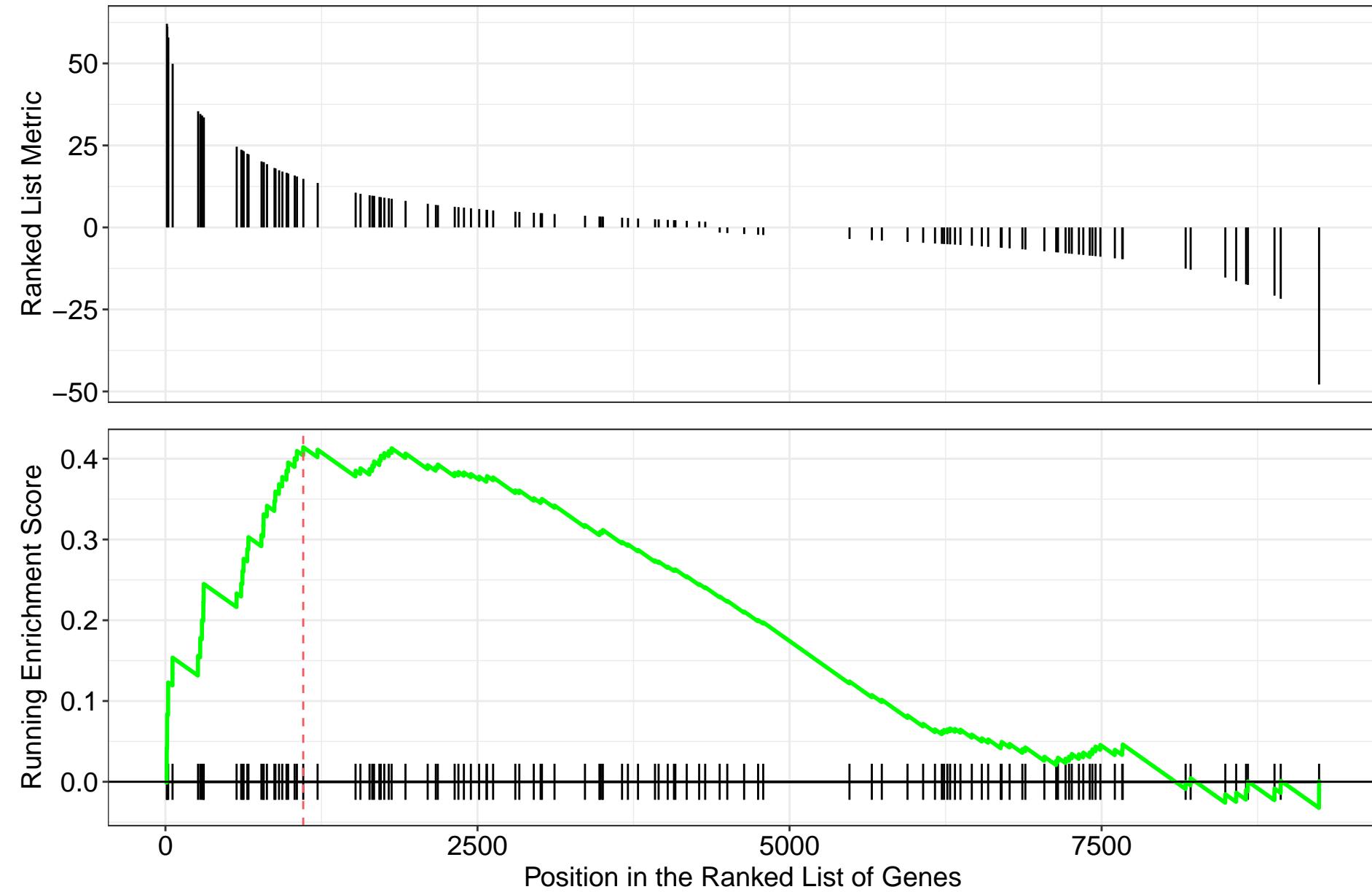
glucan metabolic process



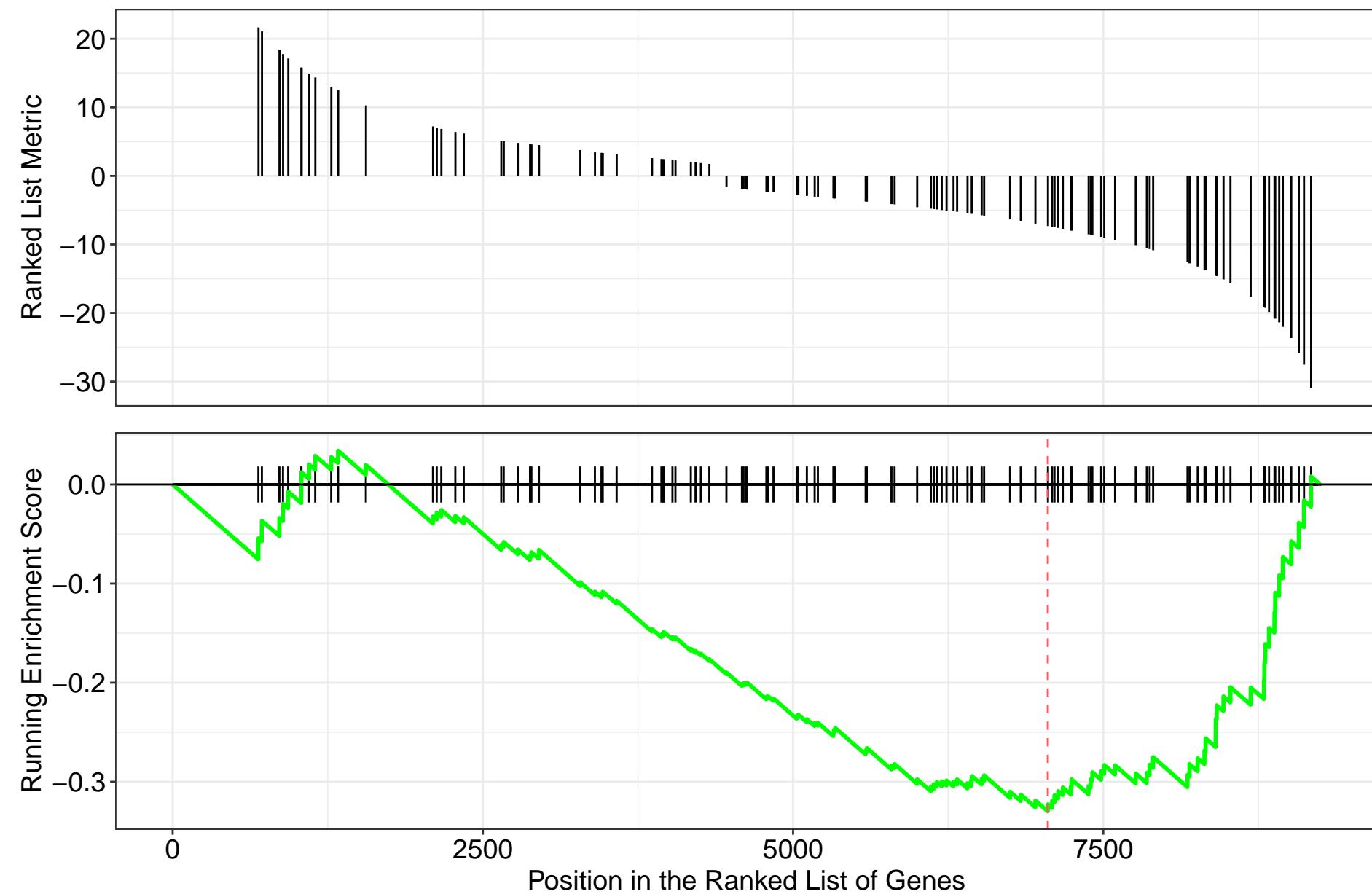
endoderm formation



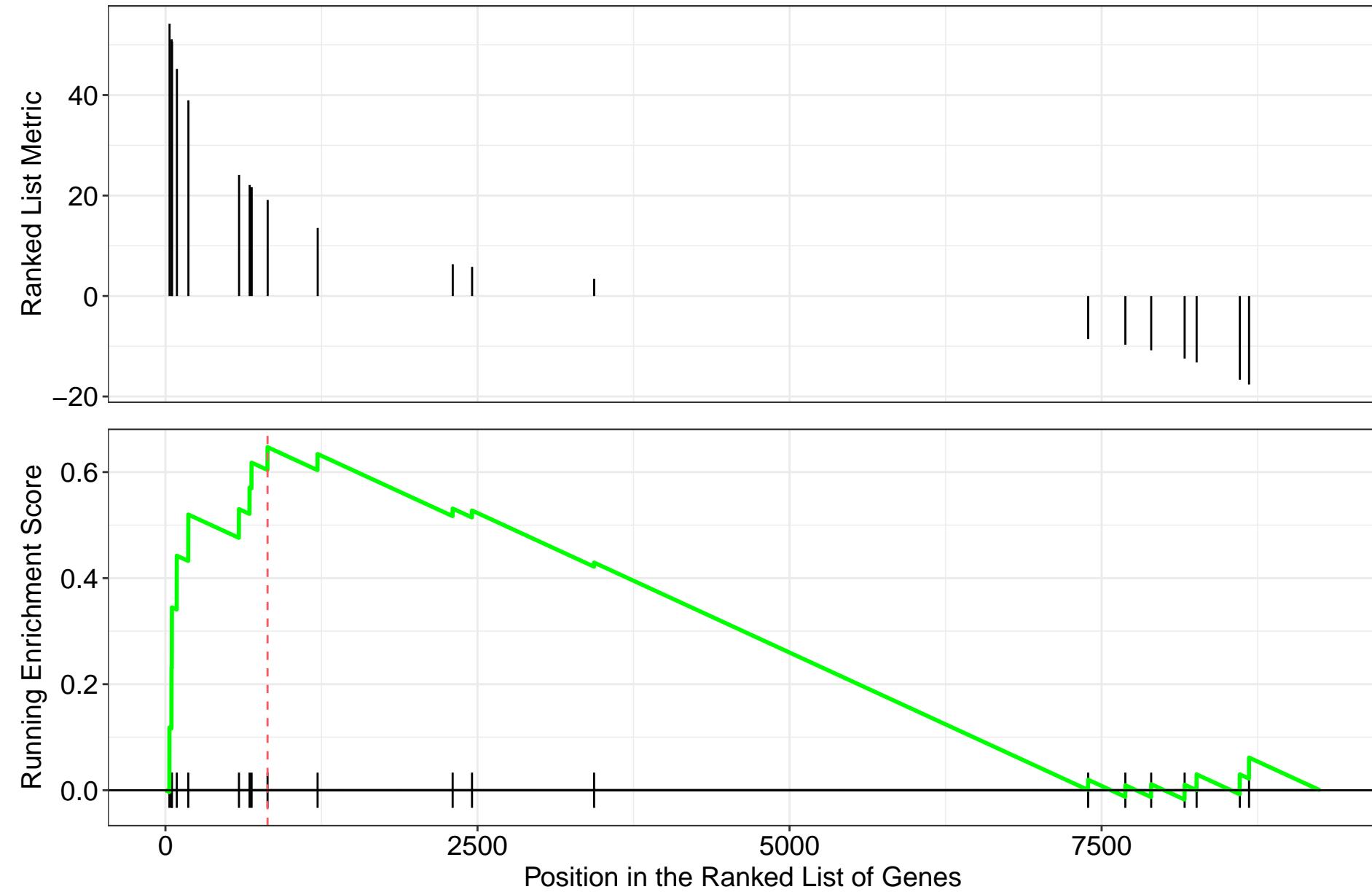
regulation of myeloid cell differentiation



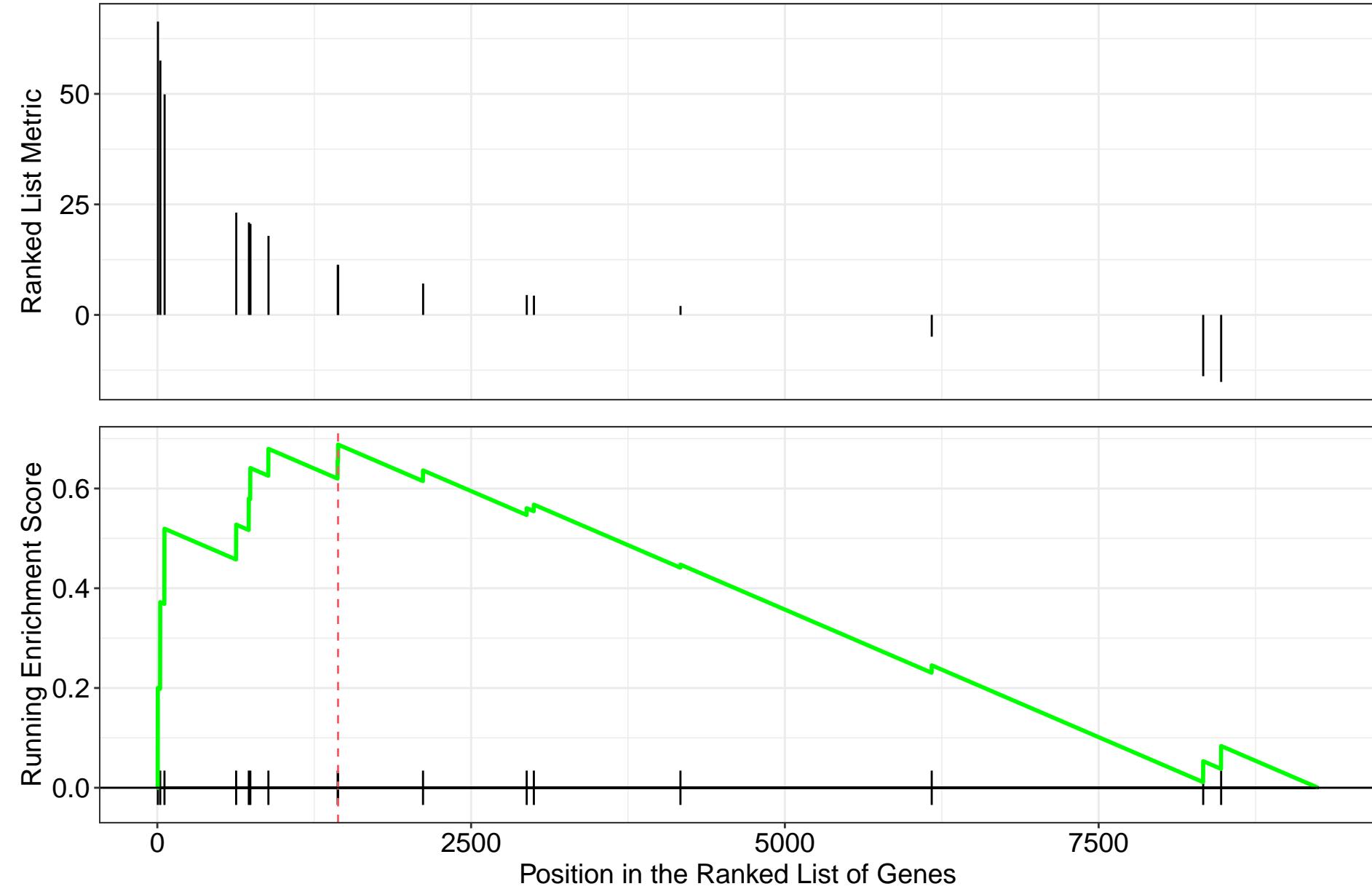
signal transduction in response to DNA damage



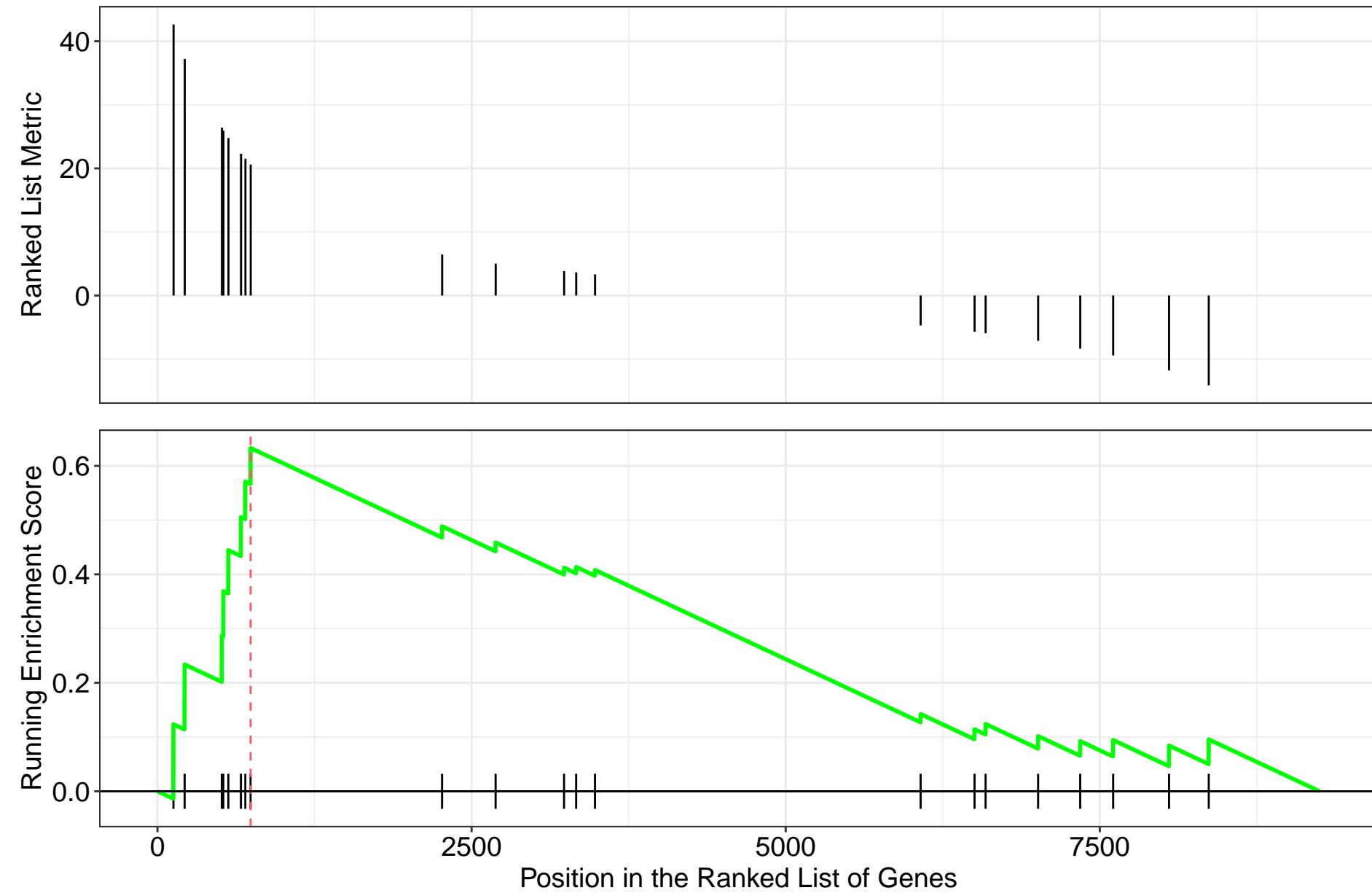
regulation of vascular endothelial growth factor production



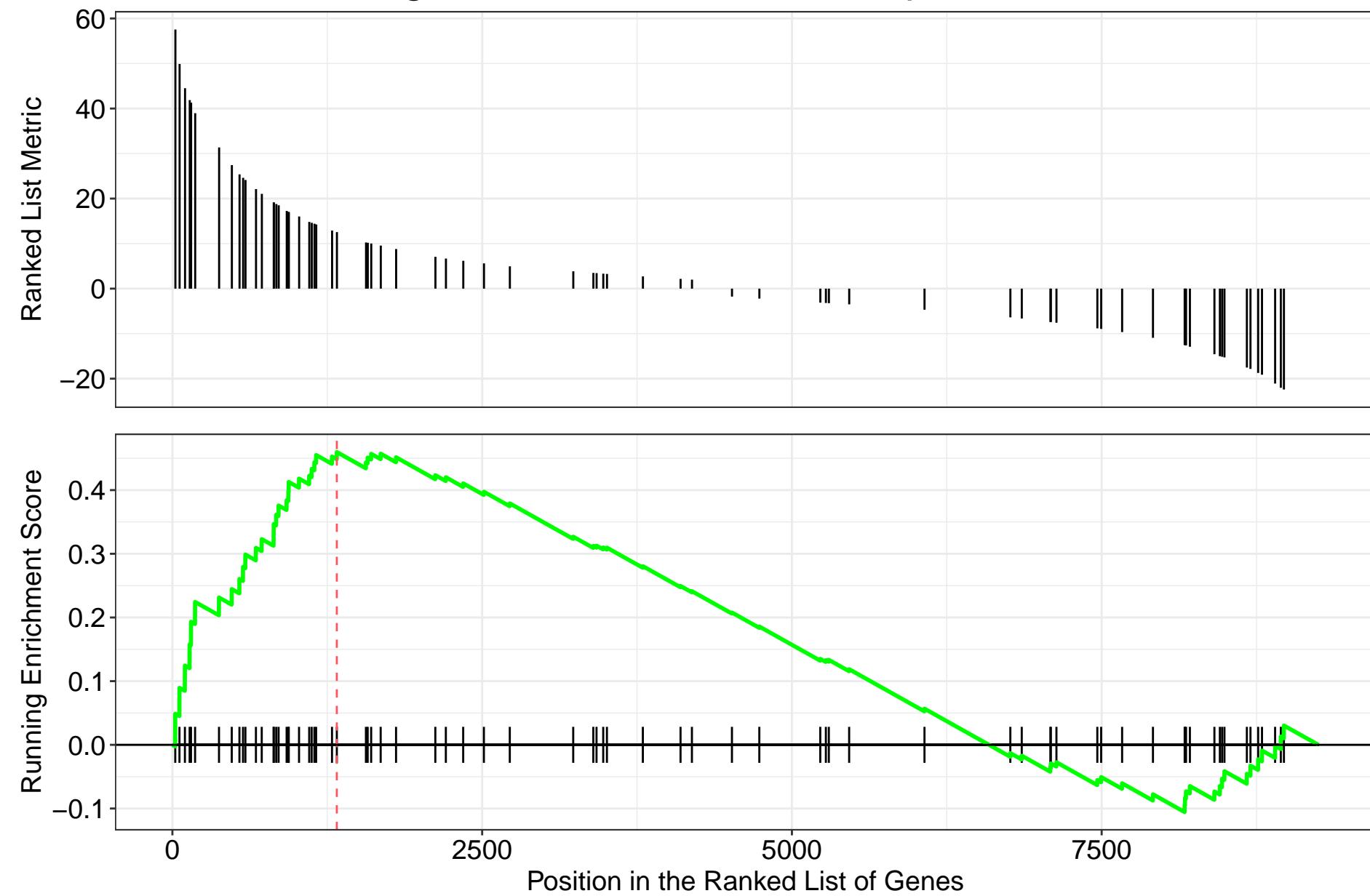
NK T cell activation



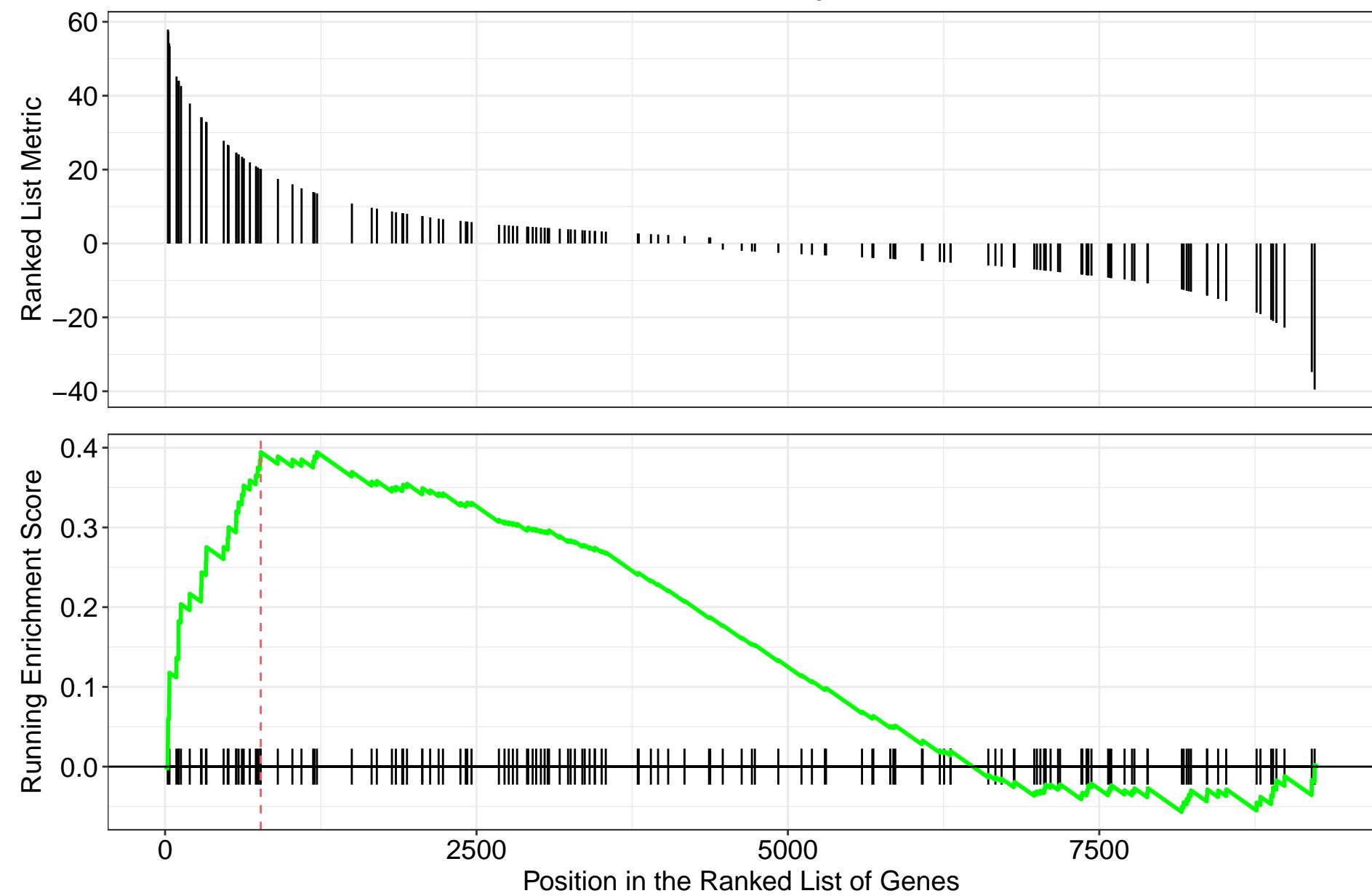
regulation of vascular permeability



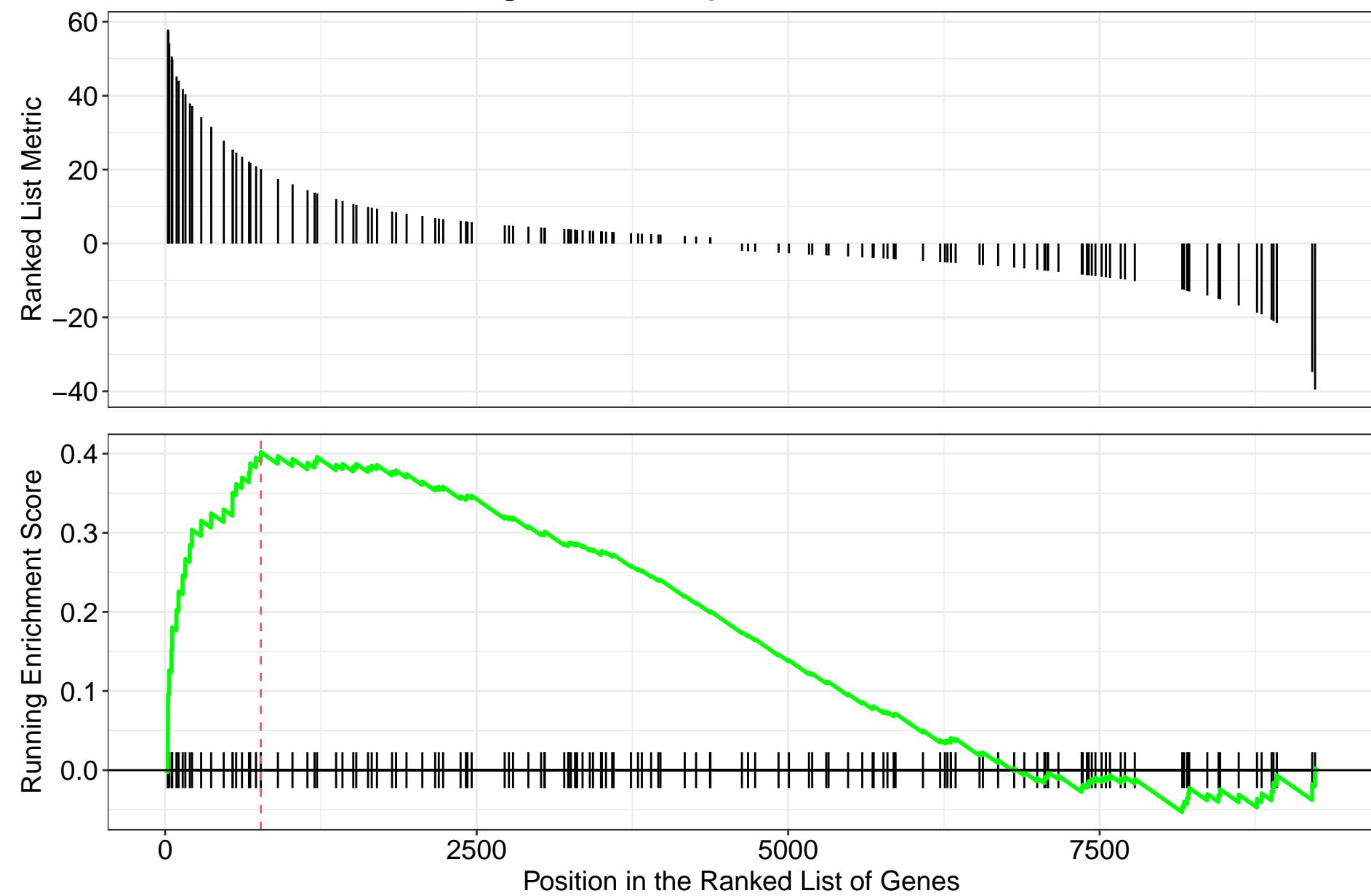
regulation of endothelial cell proliferation



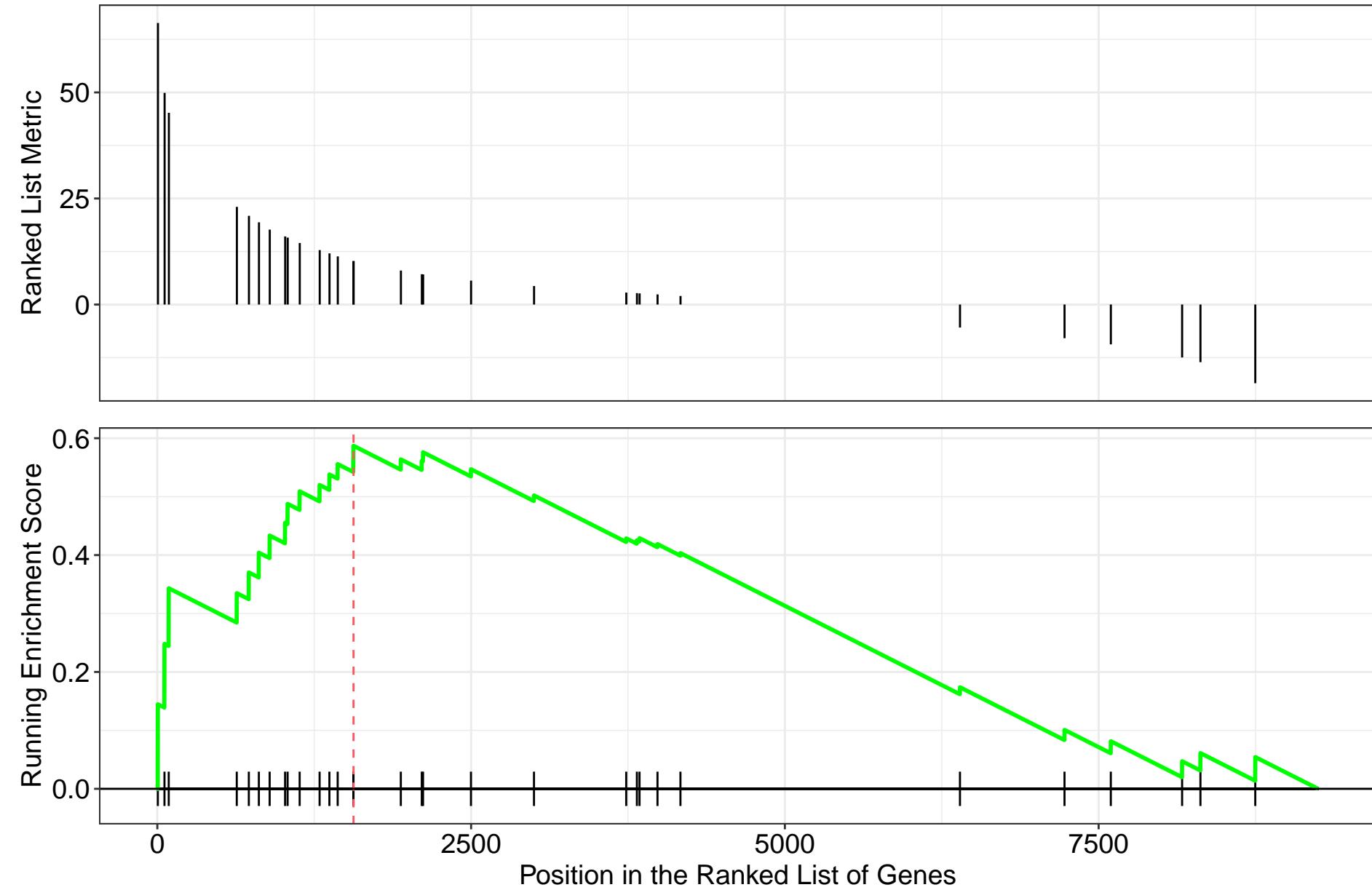
amide transport



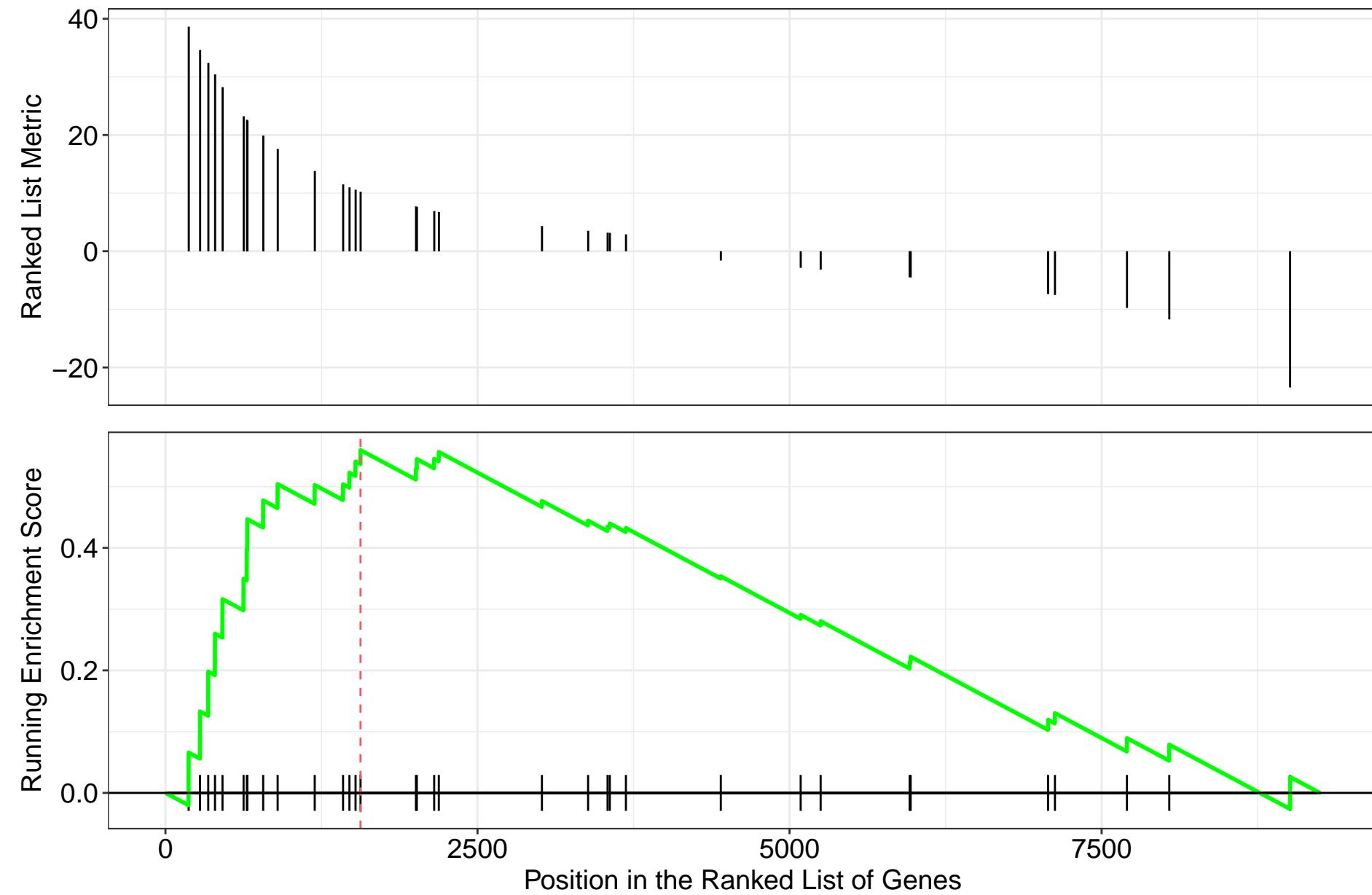
regulation of protein secretion



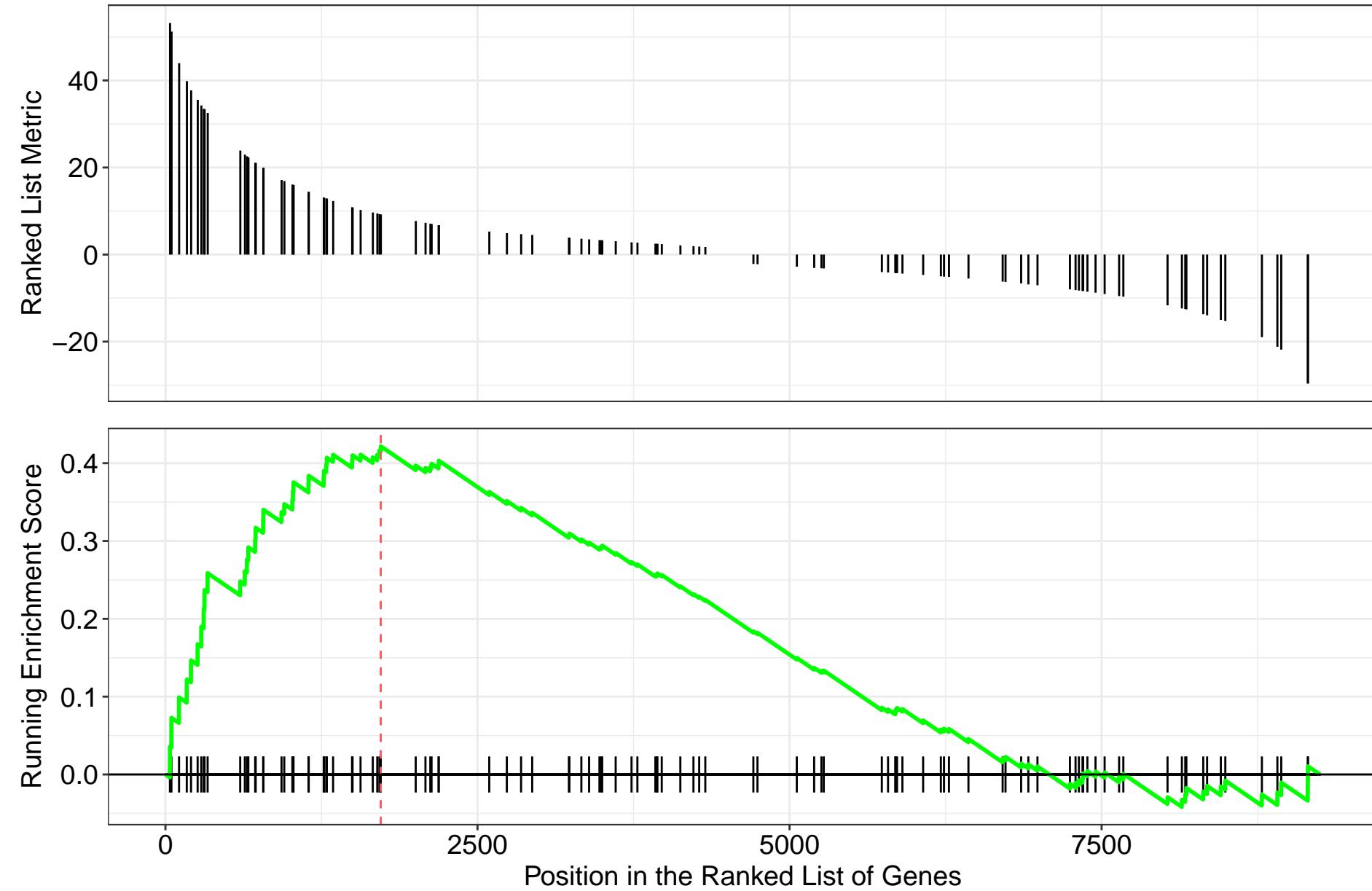
T-helper 17 type immune response



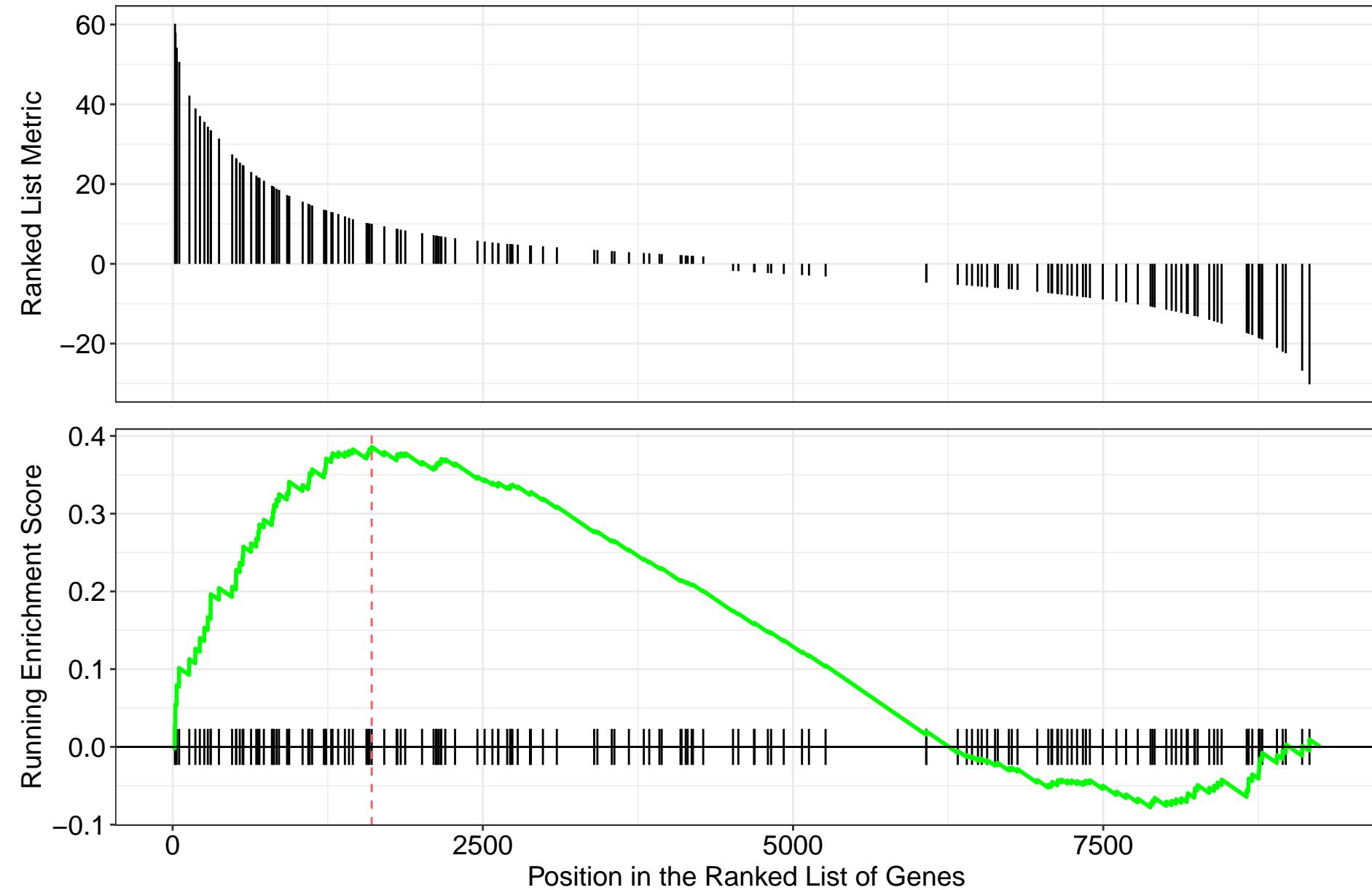
positive regulation of Ras protein signal transduction



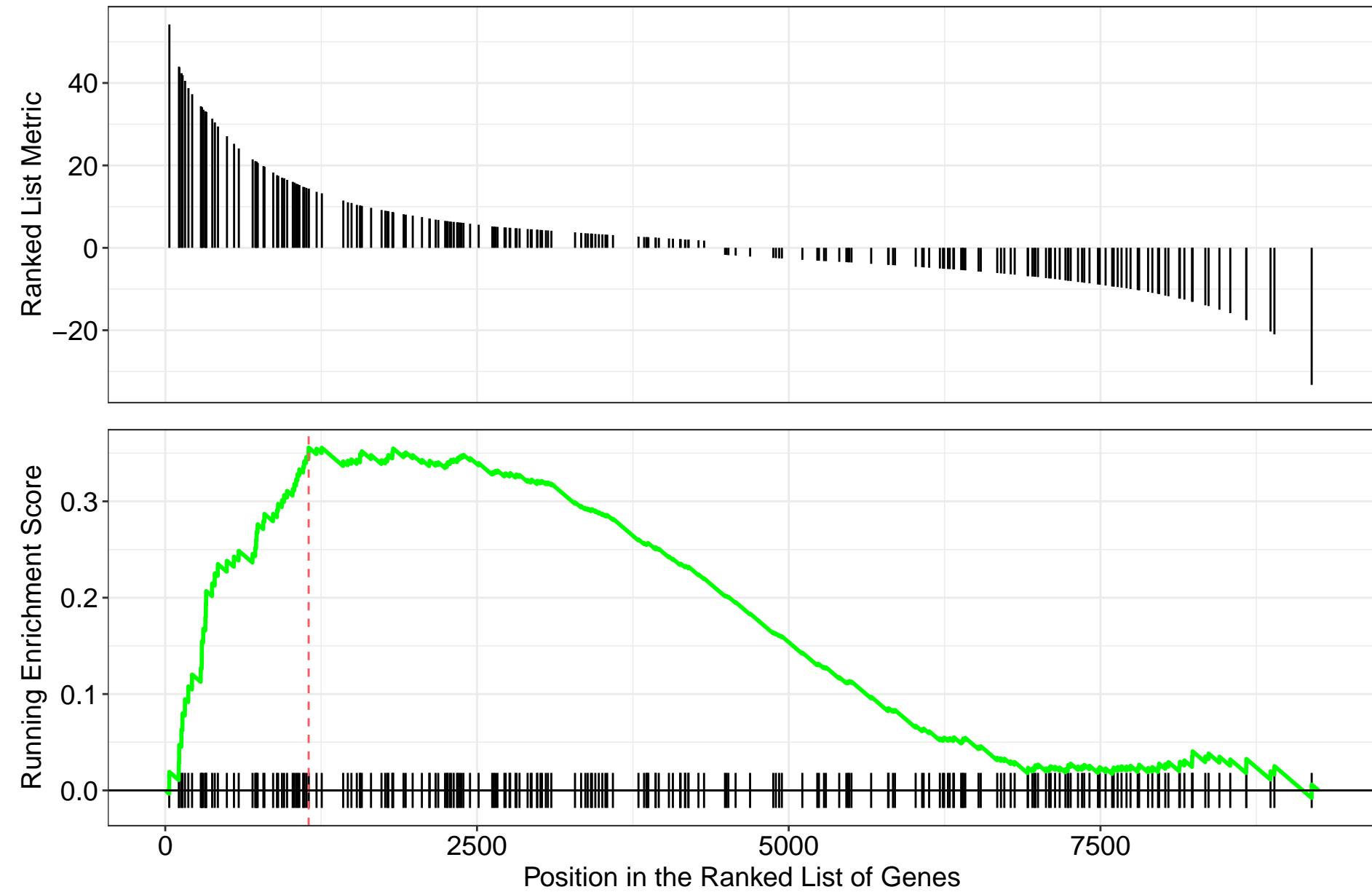
striated muscle tissue development



regulation of angiogenesis

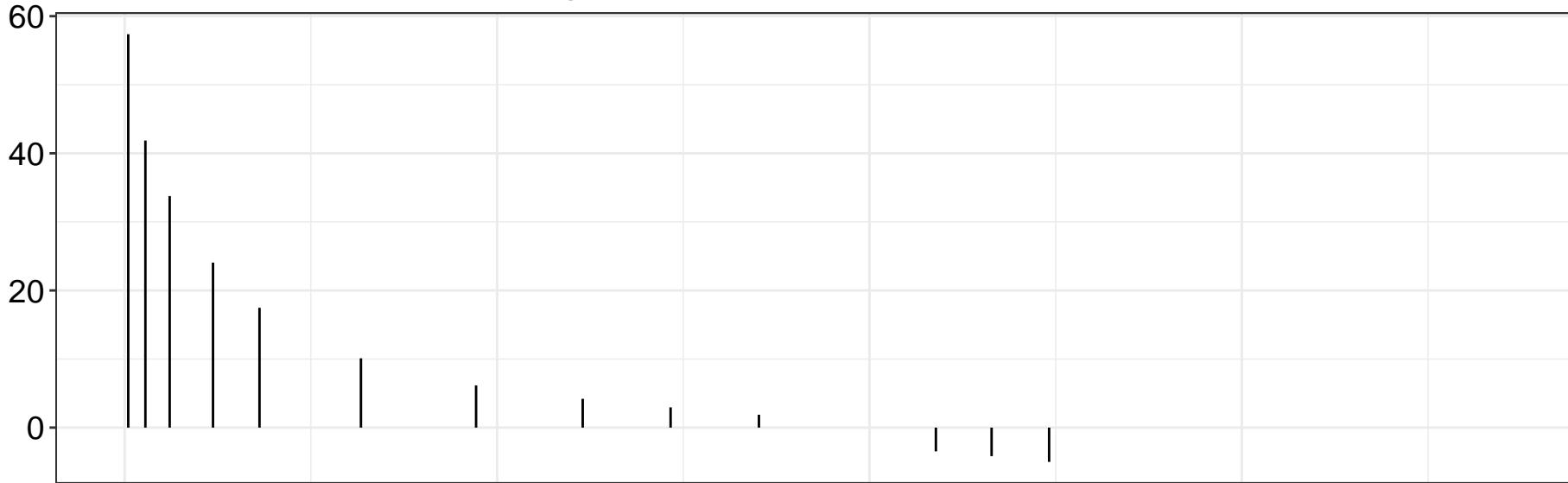


response to peptide

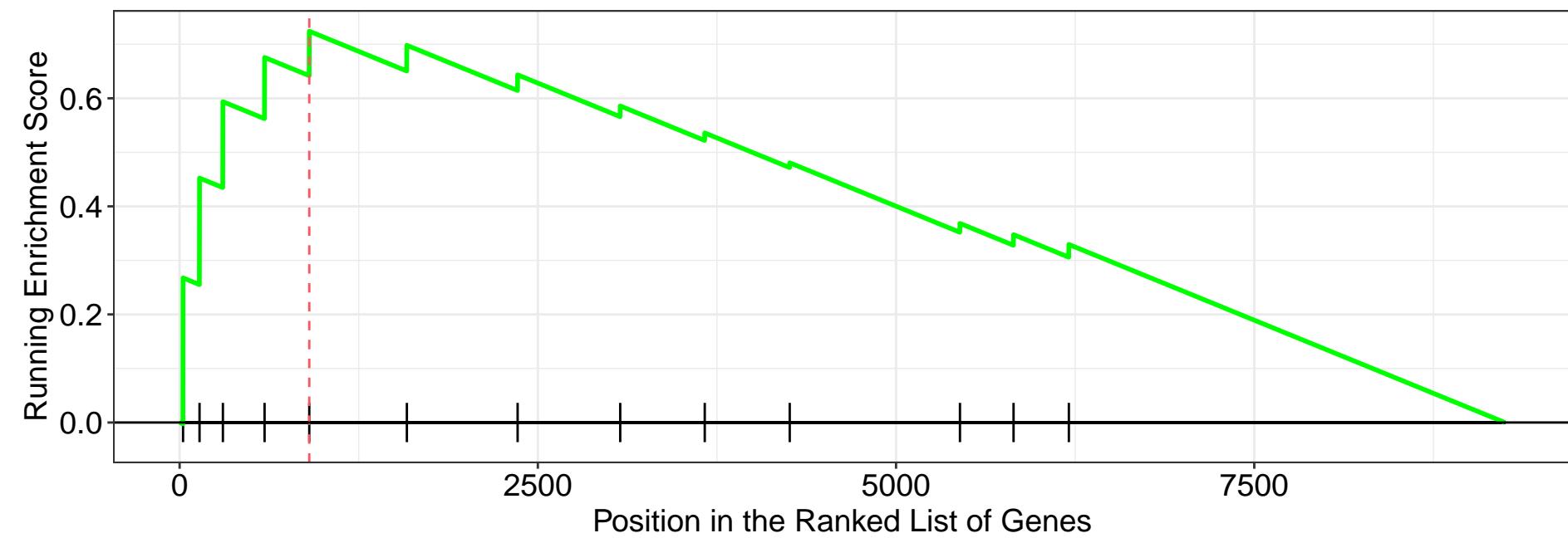


arginine metabolic process

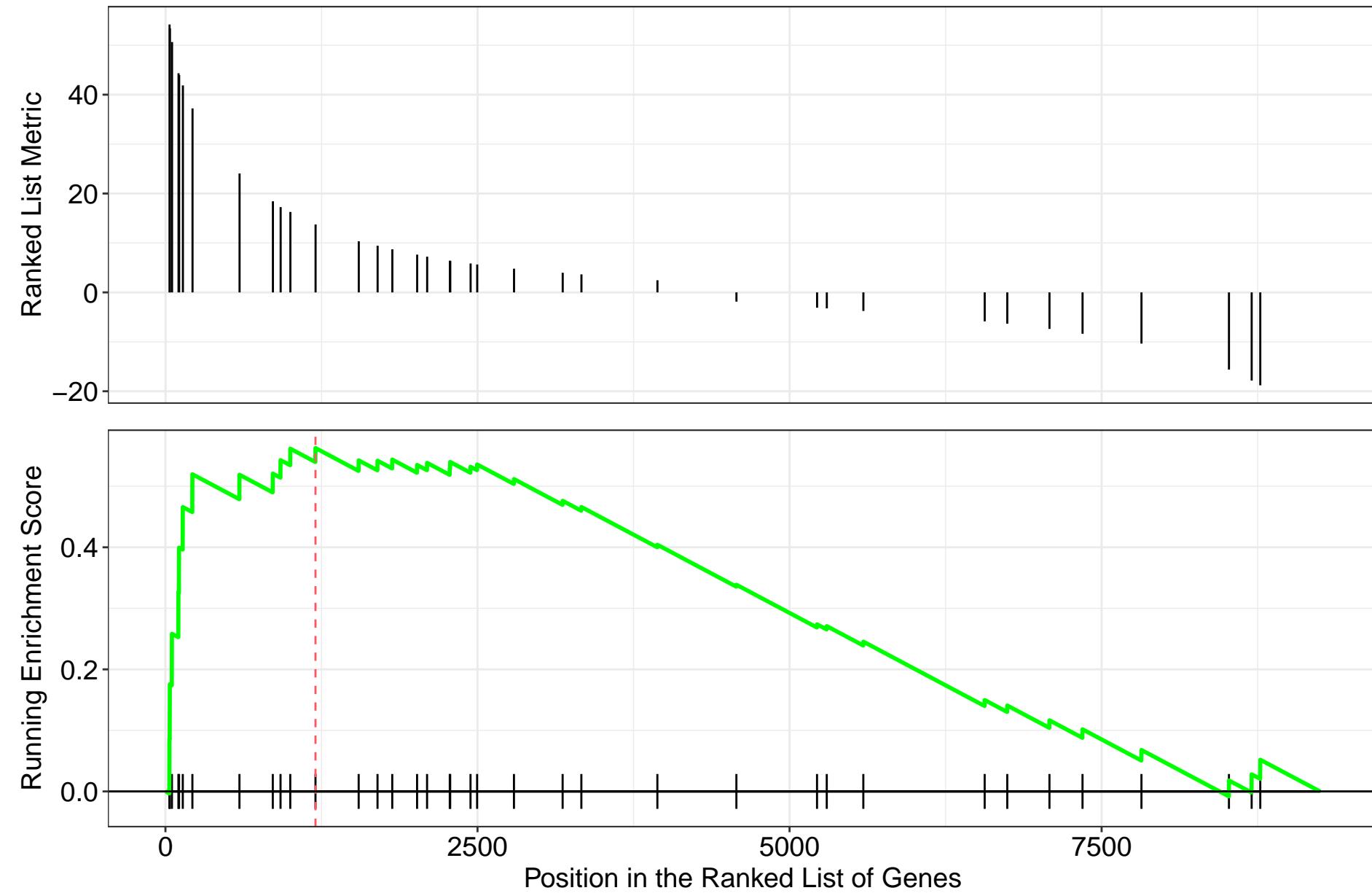
Ranked List Metric



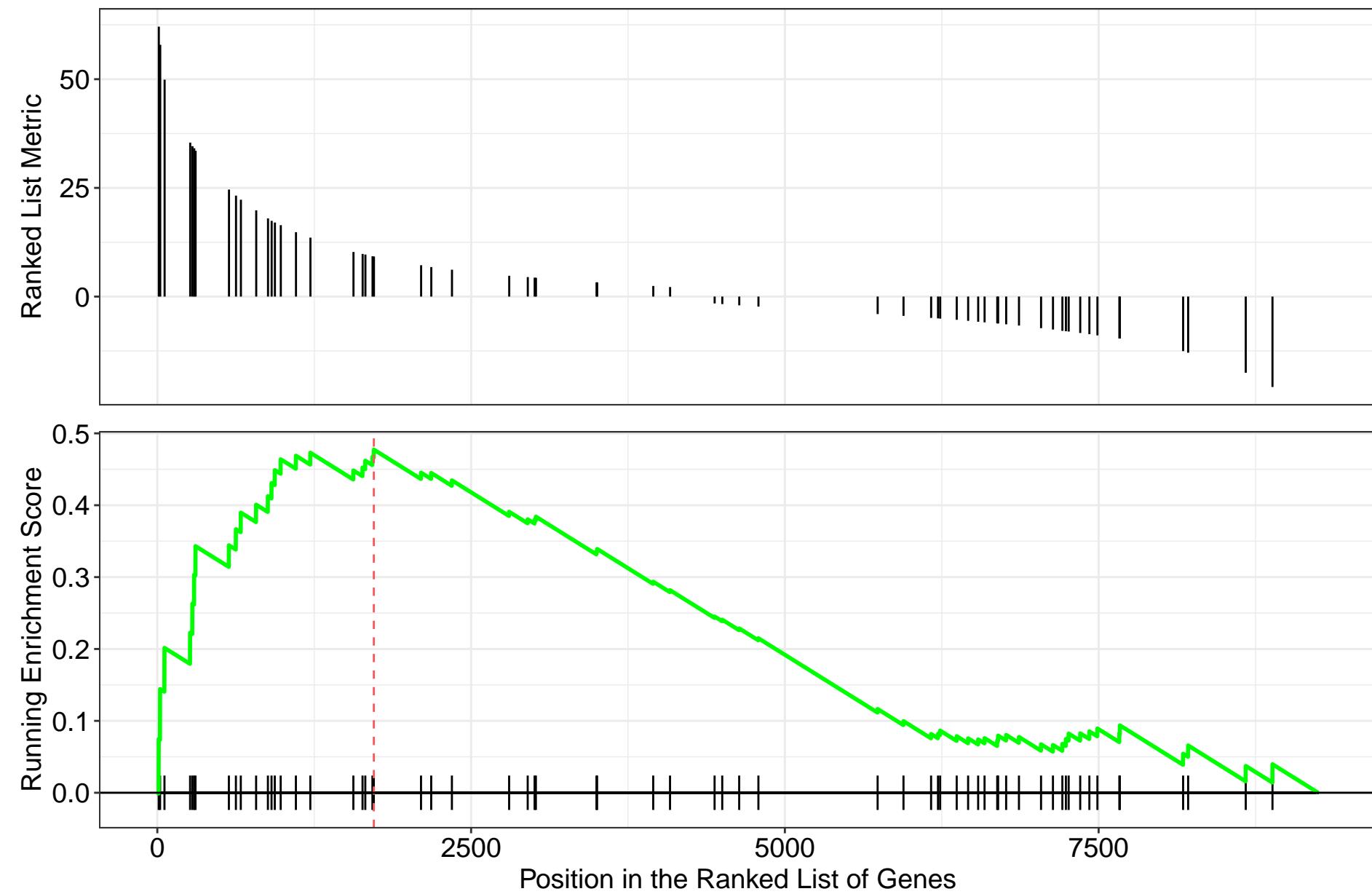
Running Enrichment Score



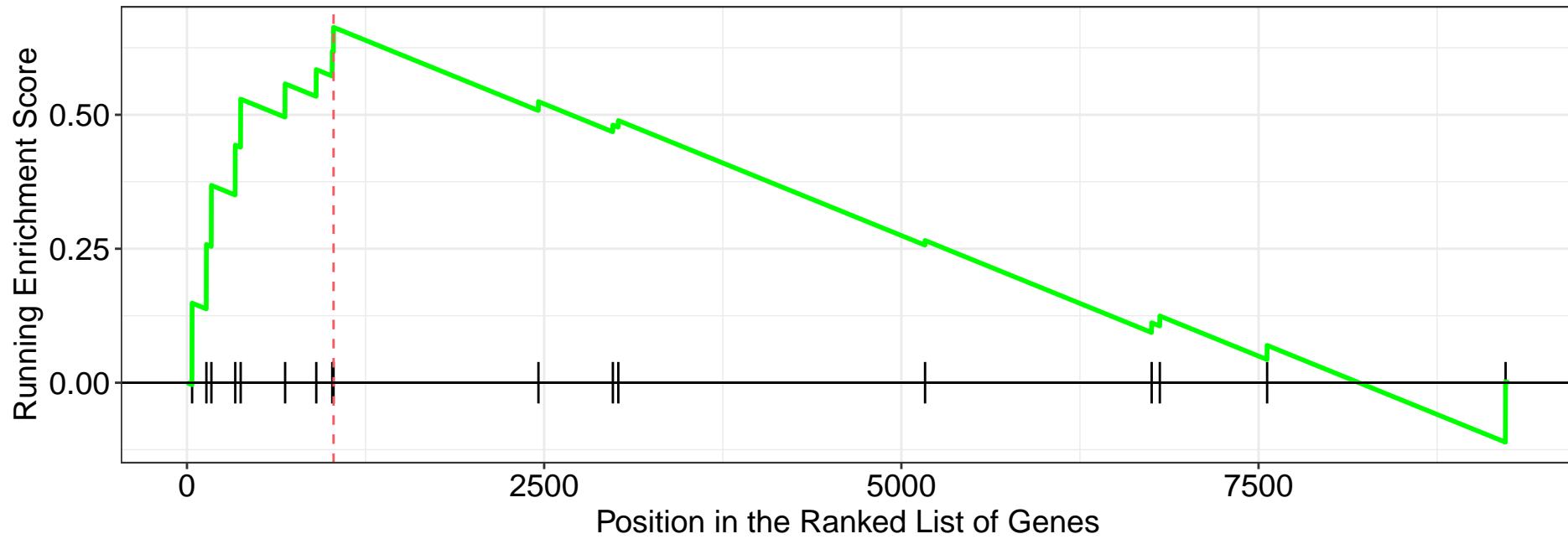
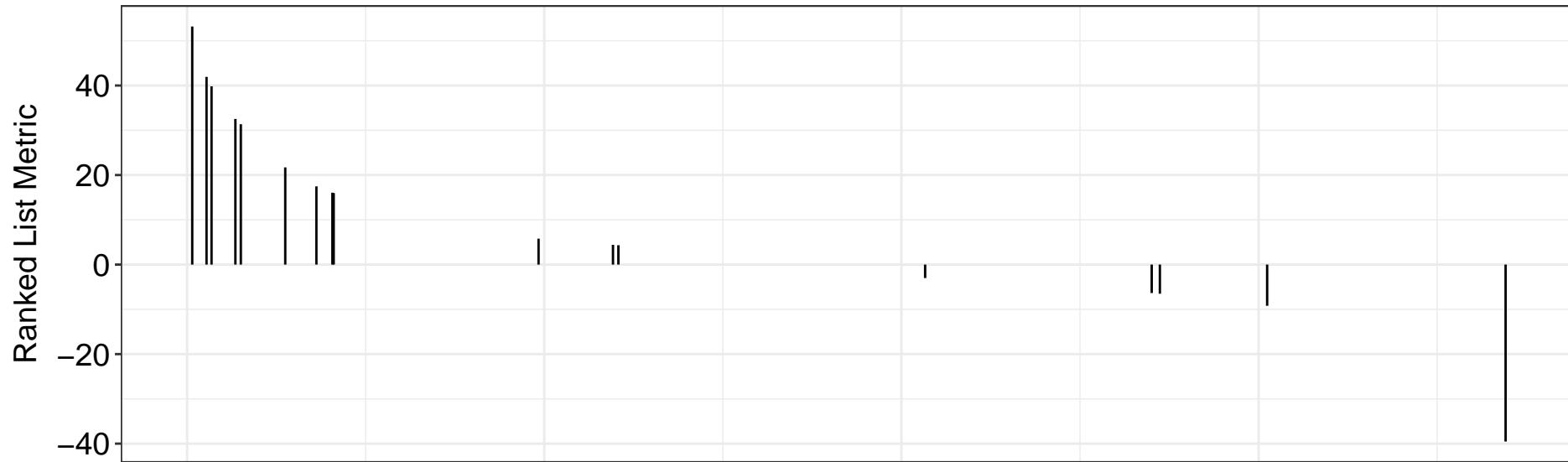
regulation of organic acid transport



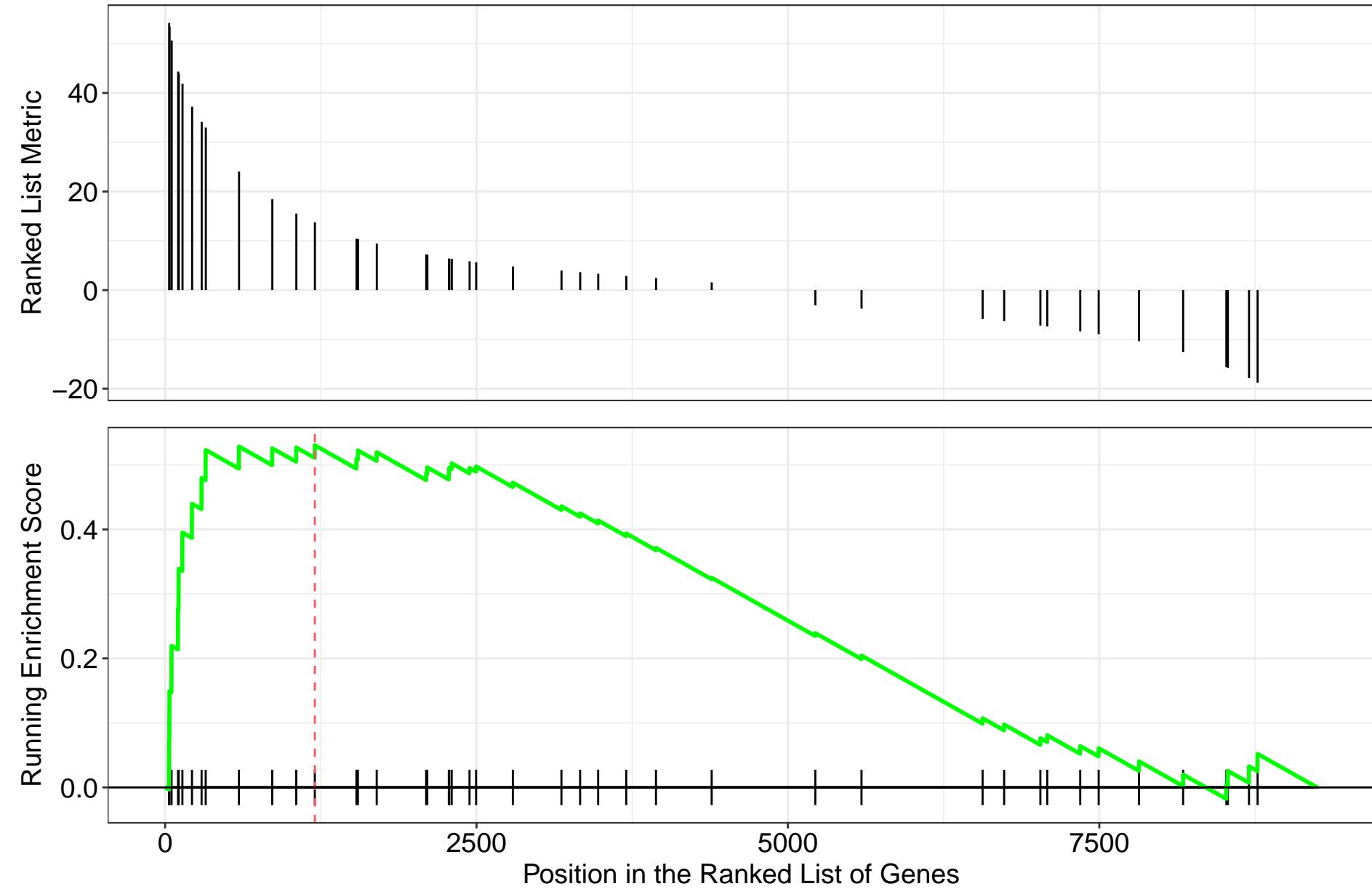
positive regulation of myeloid cell differentiation



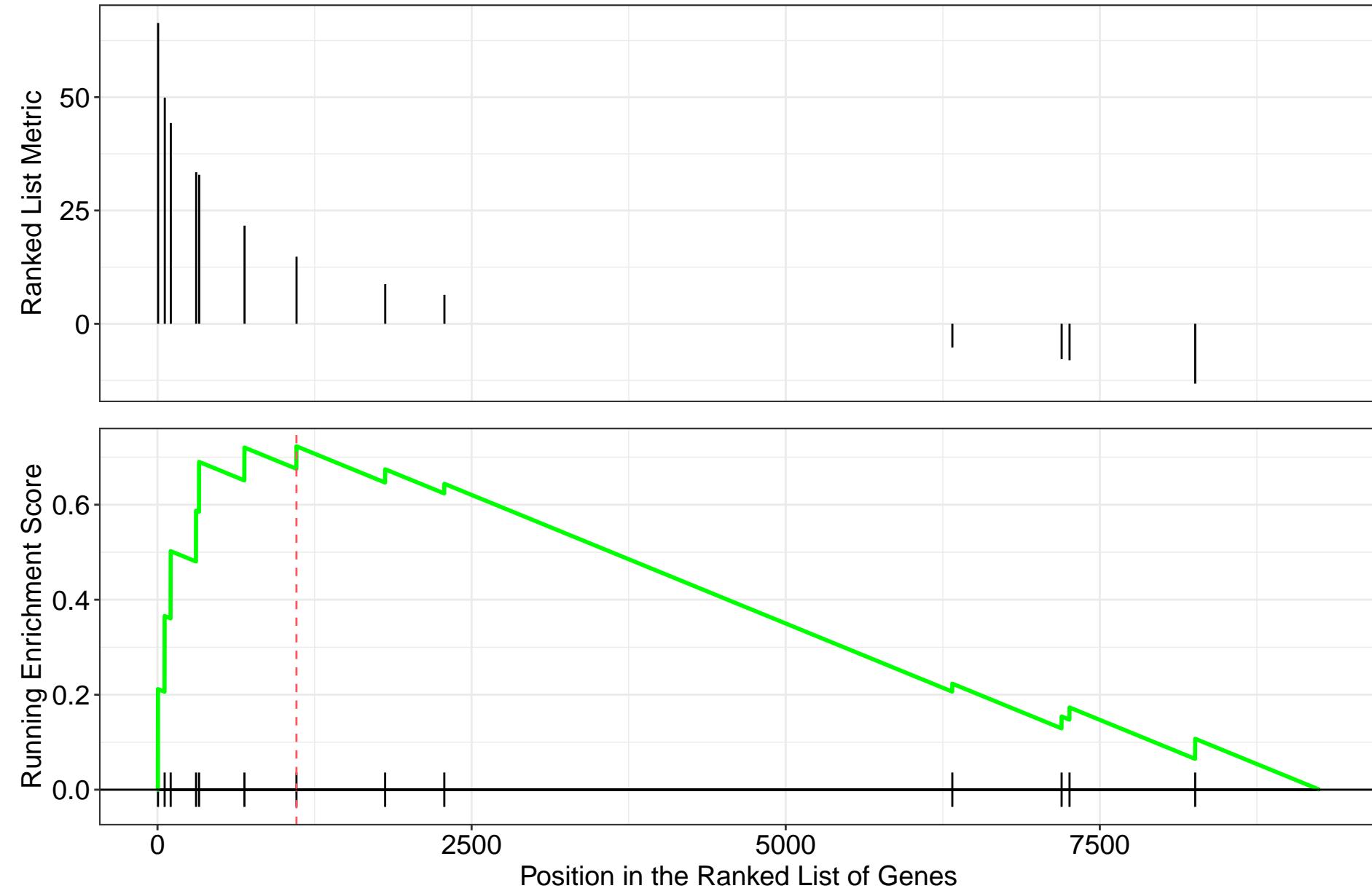
regulation of actin filament–based movement



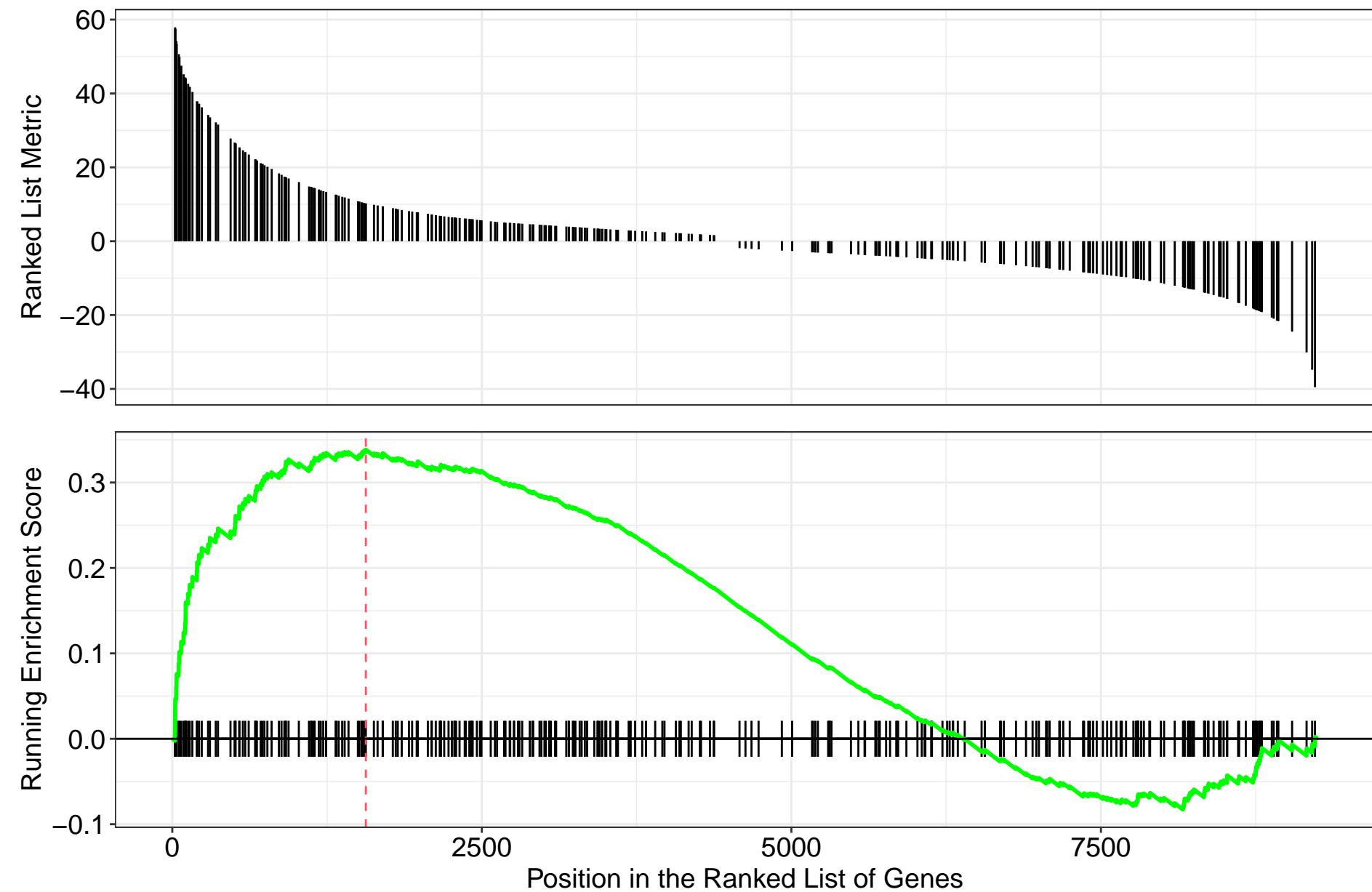
regulation of anion transport



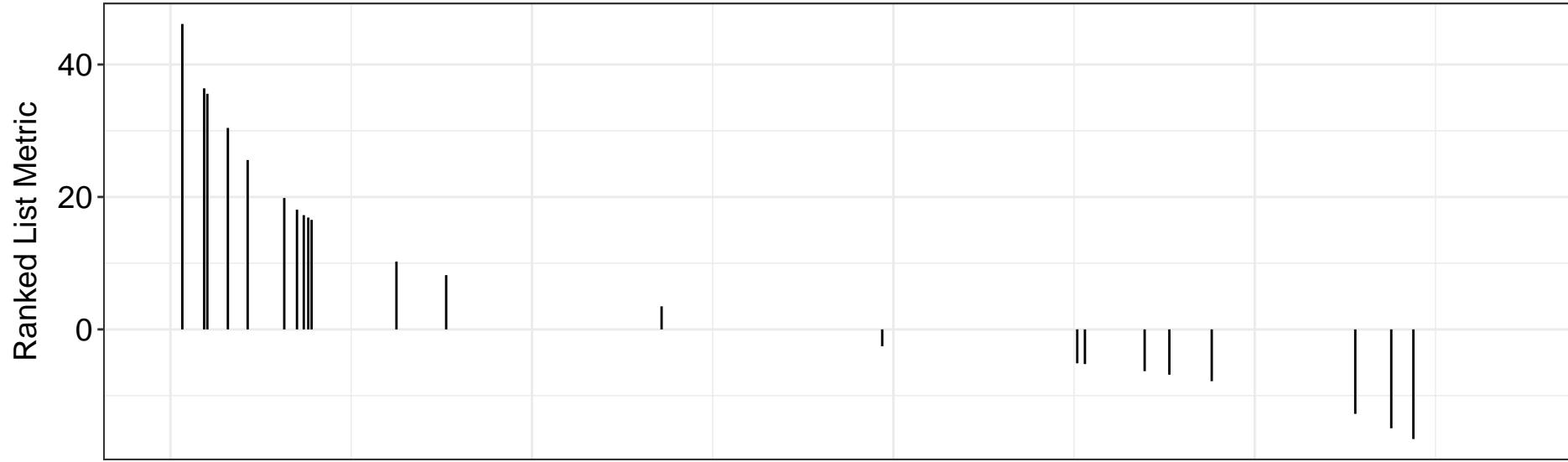
negative regulation of interleukin–10 production



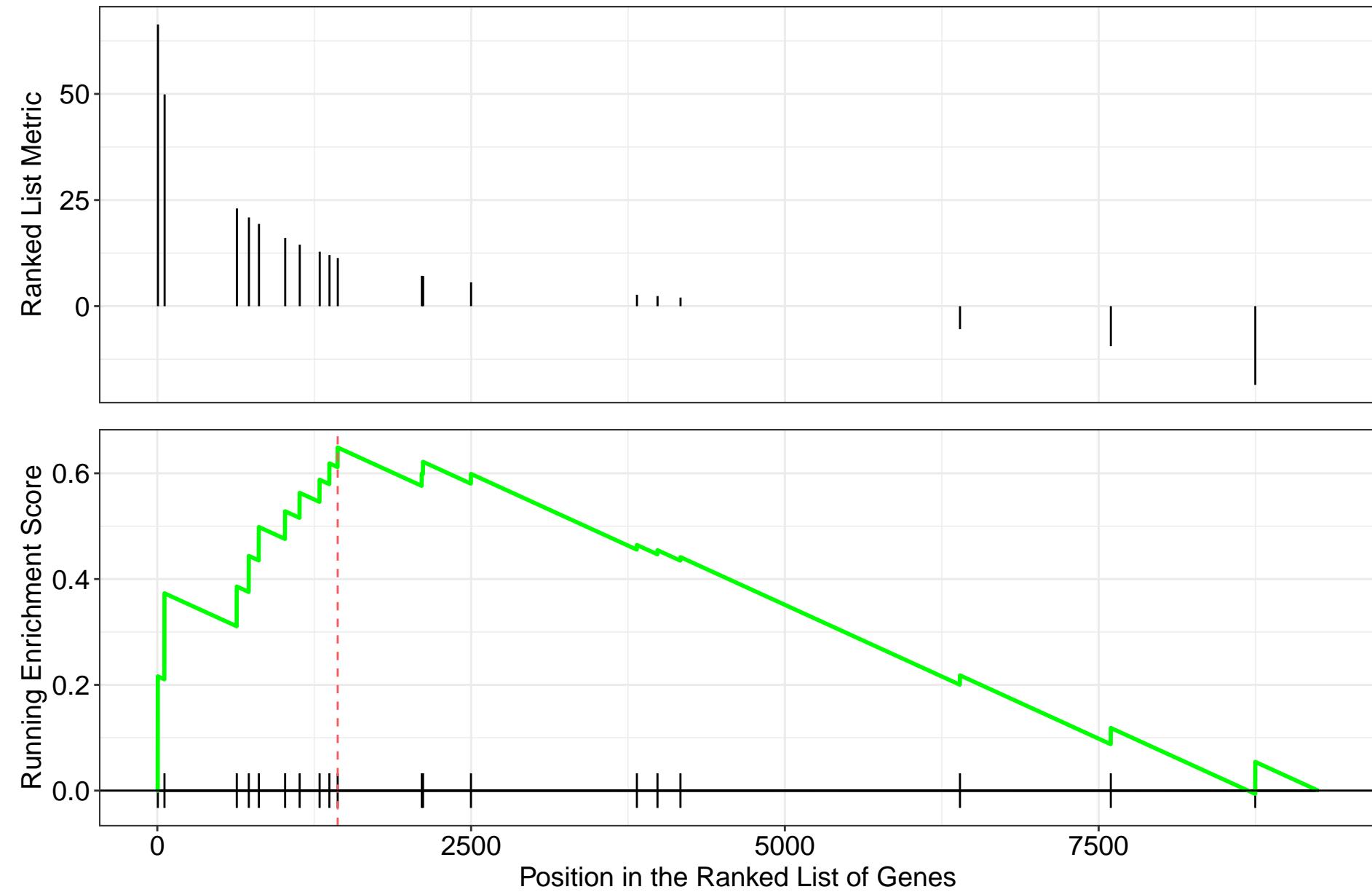
regulation of secretion by cell



negative regulation of cell–substrate adhesion

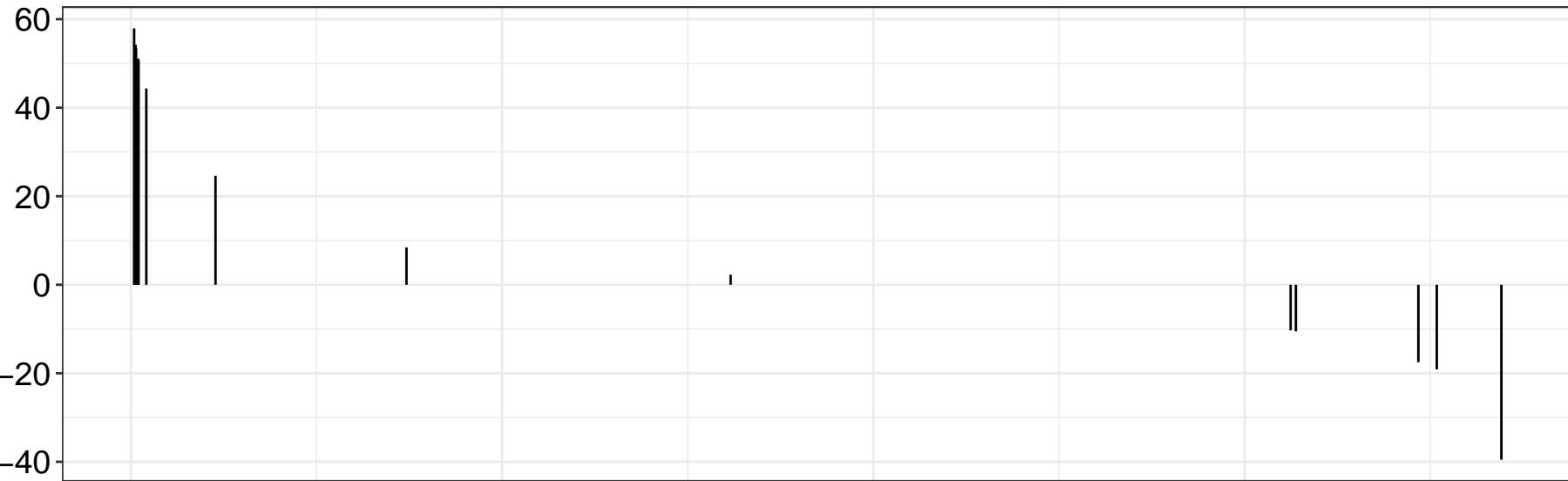


regulation of T-helper 17 type immune response

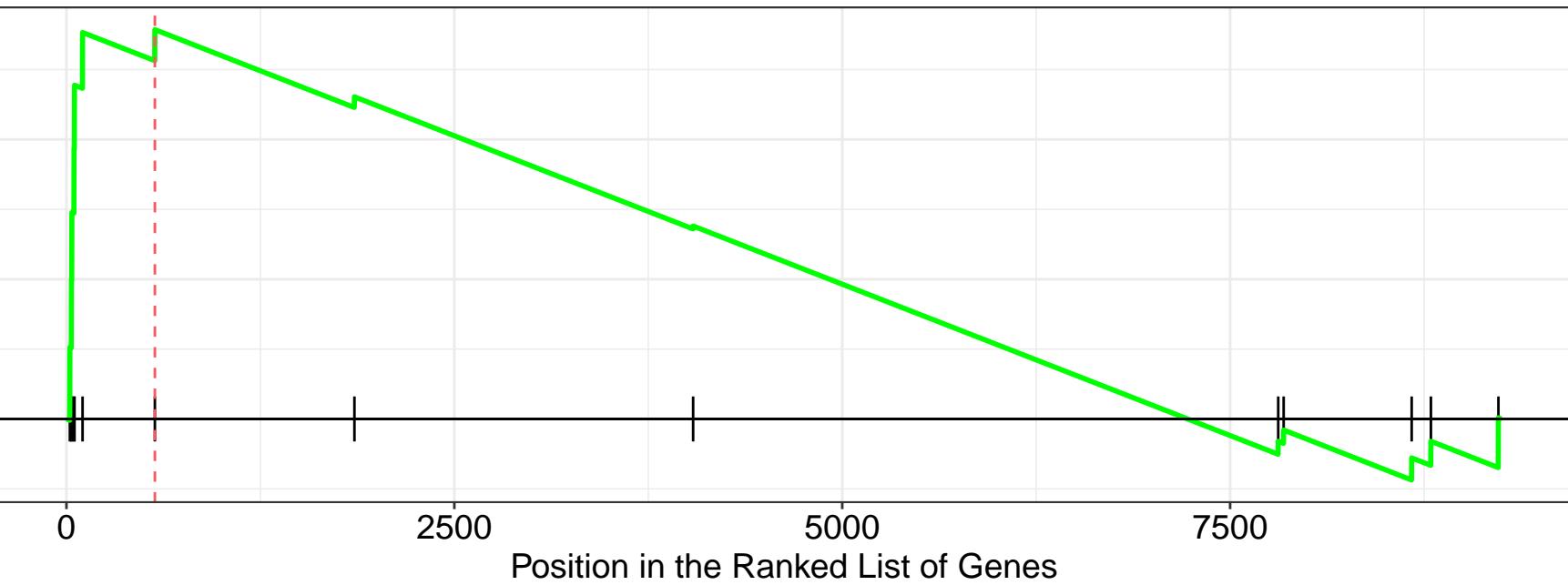


heat generation

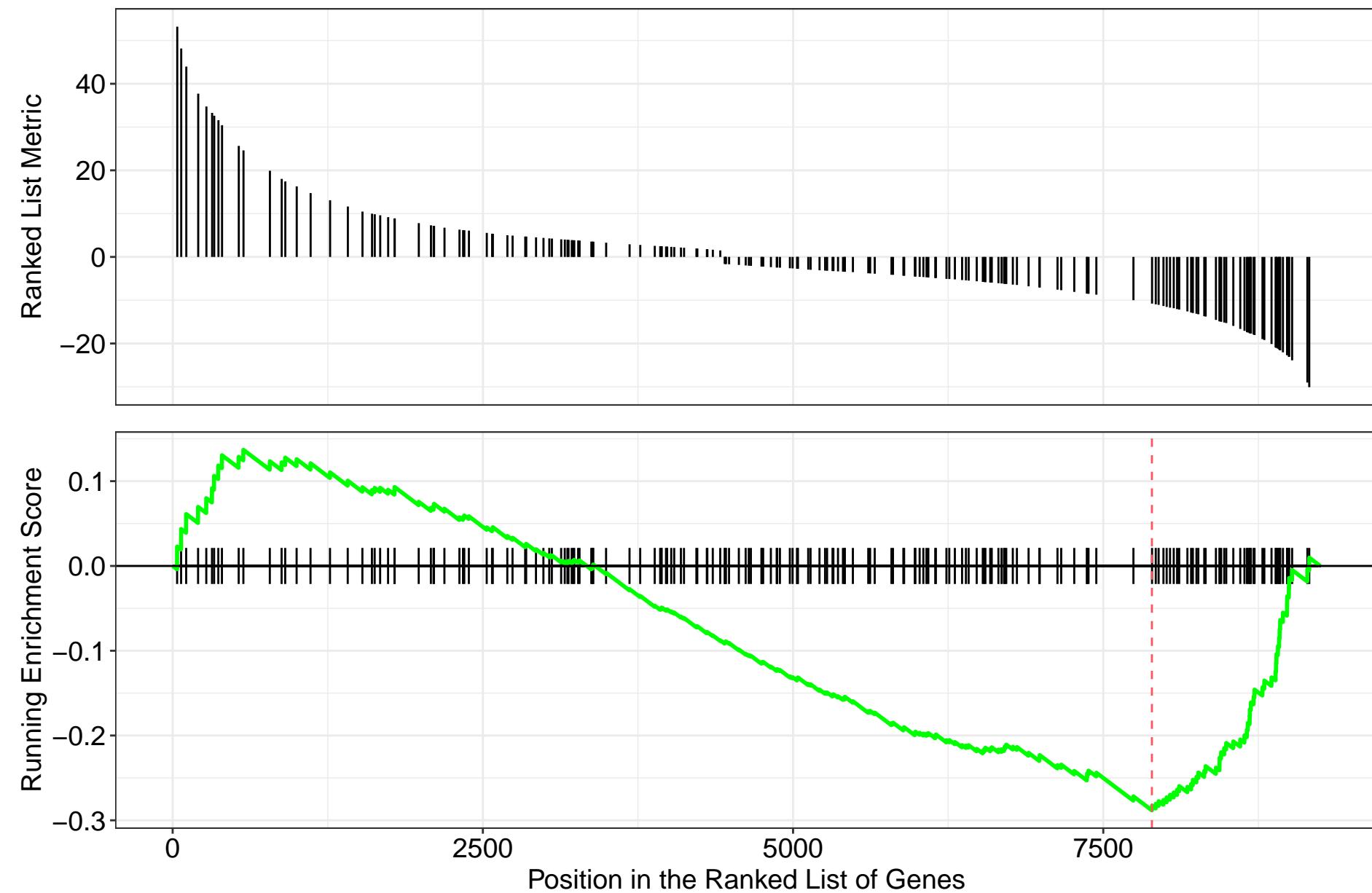
Ranked List Metric



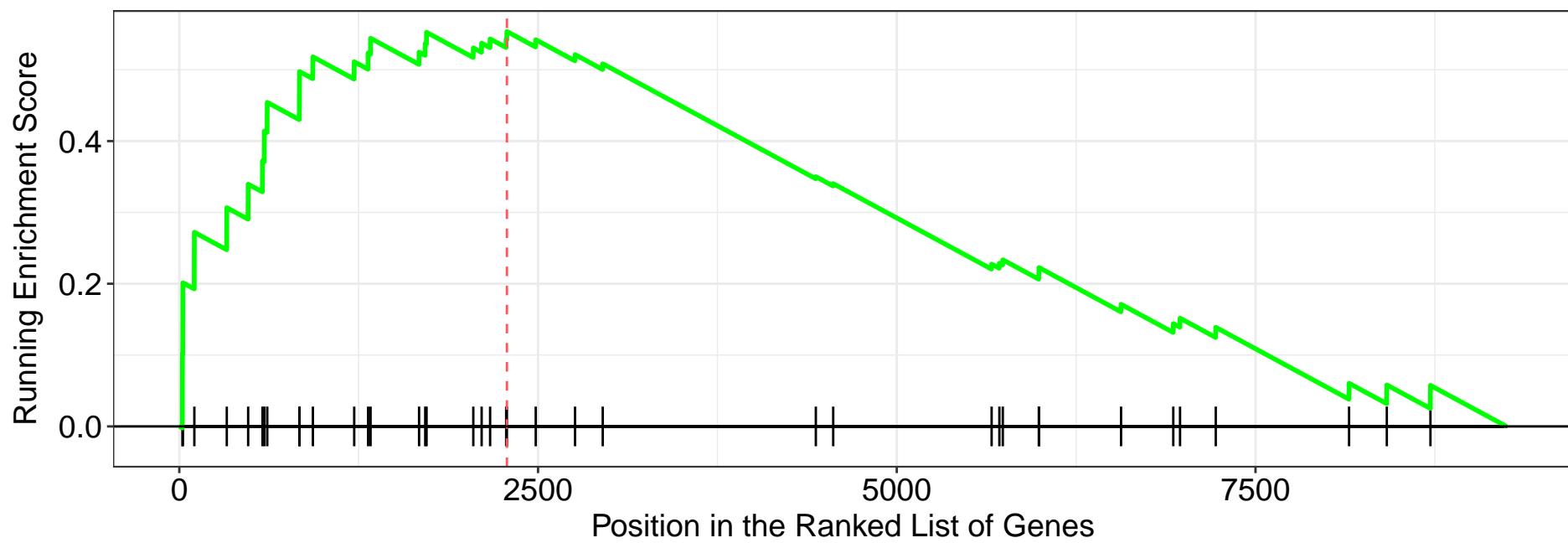
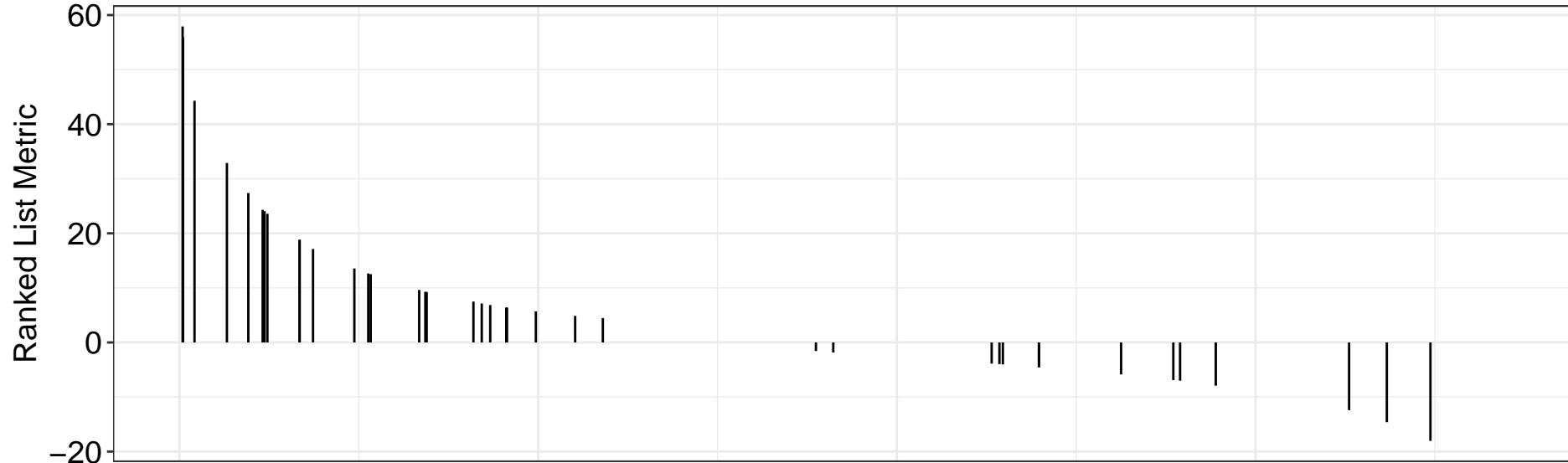
Running Enrichment Score



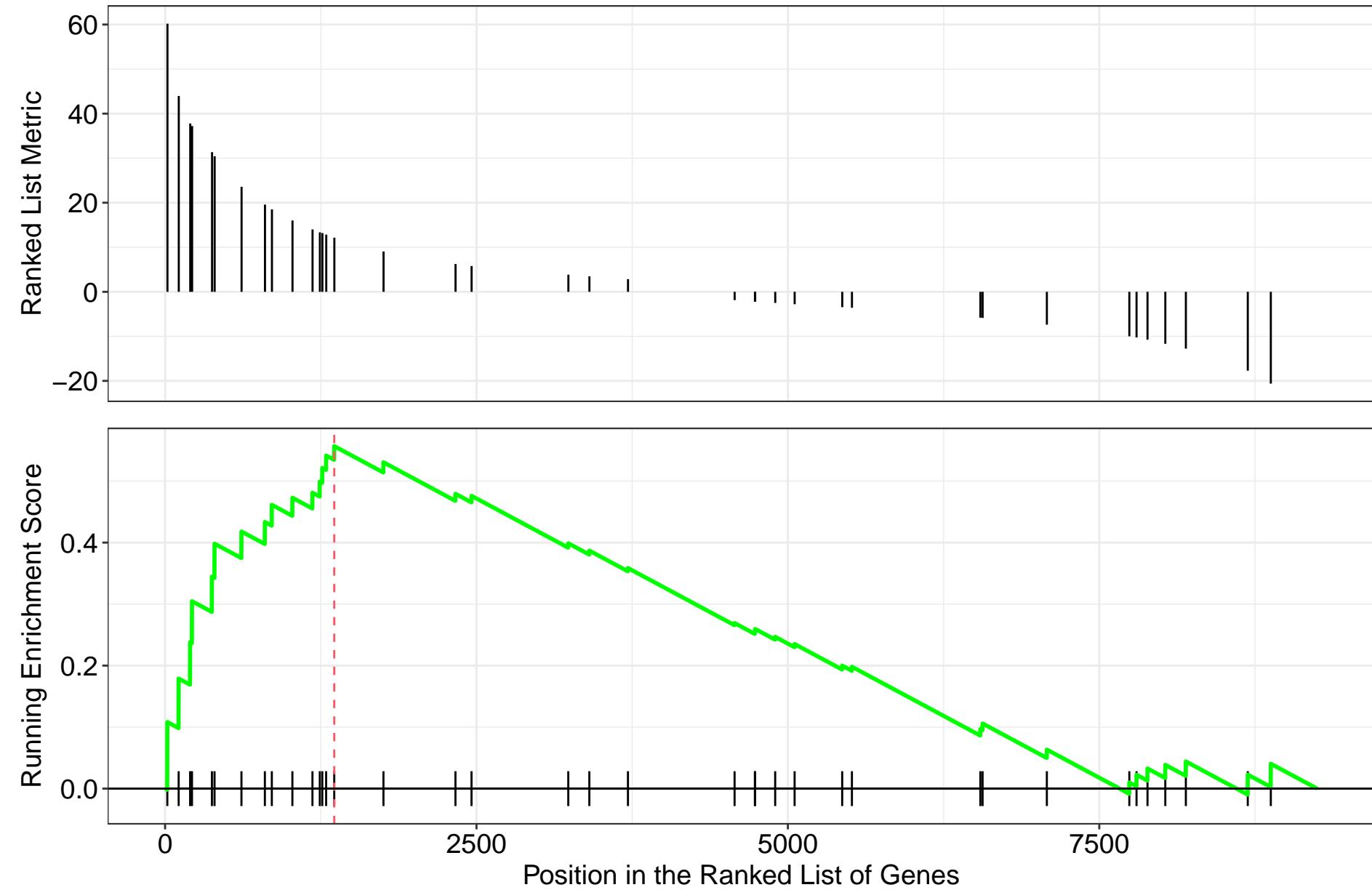
non-membrane-bounded organelle assembly



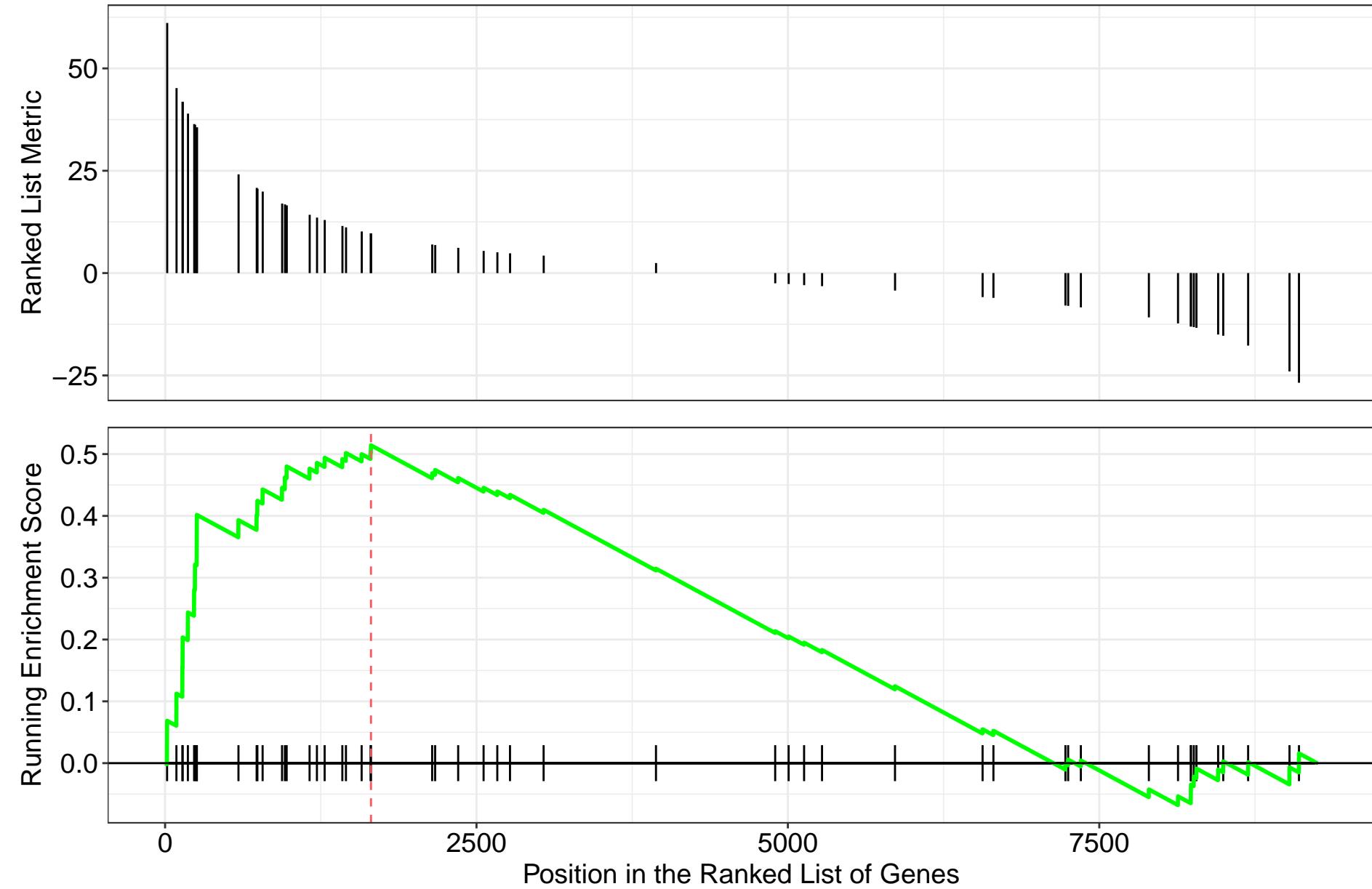
regulation of lymphocyte apoptotic process



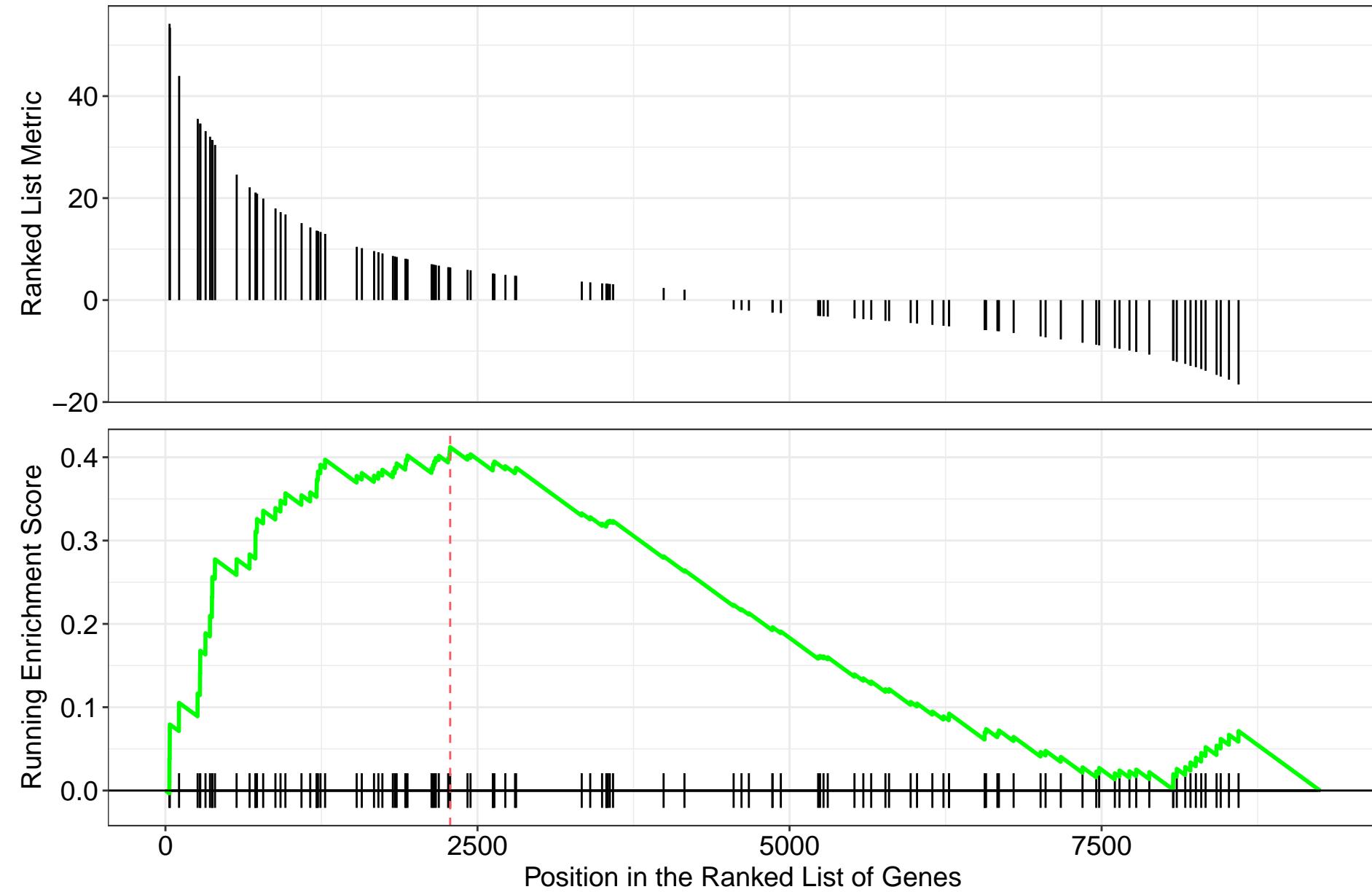
membrane depolarization



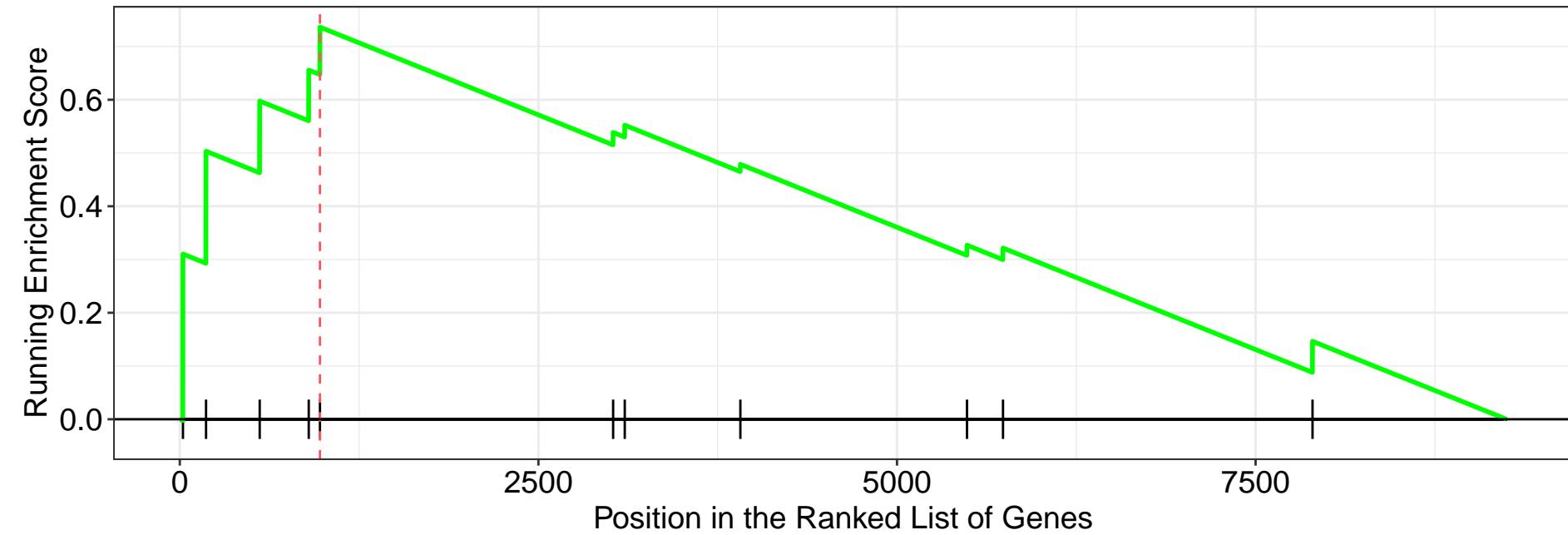
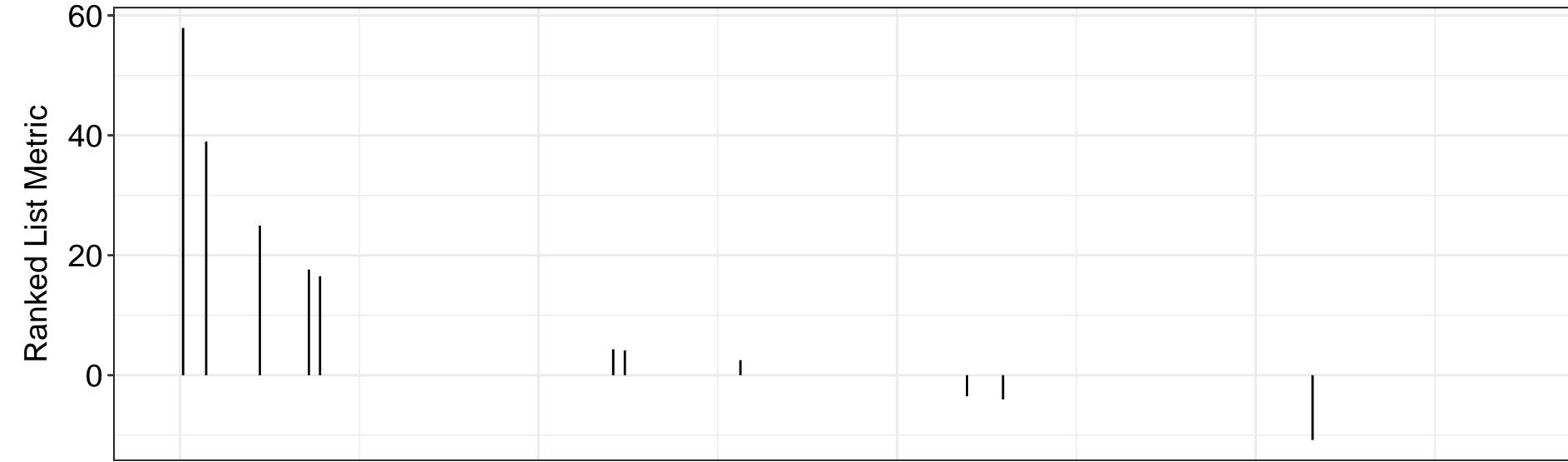
collagen metabolic process



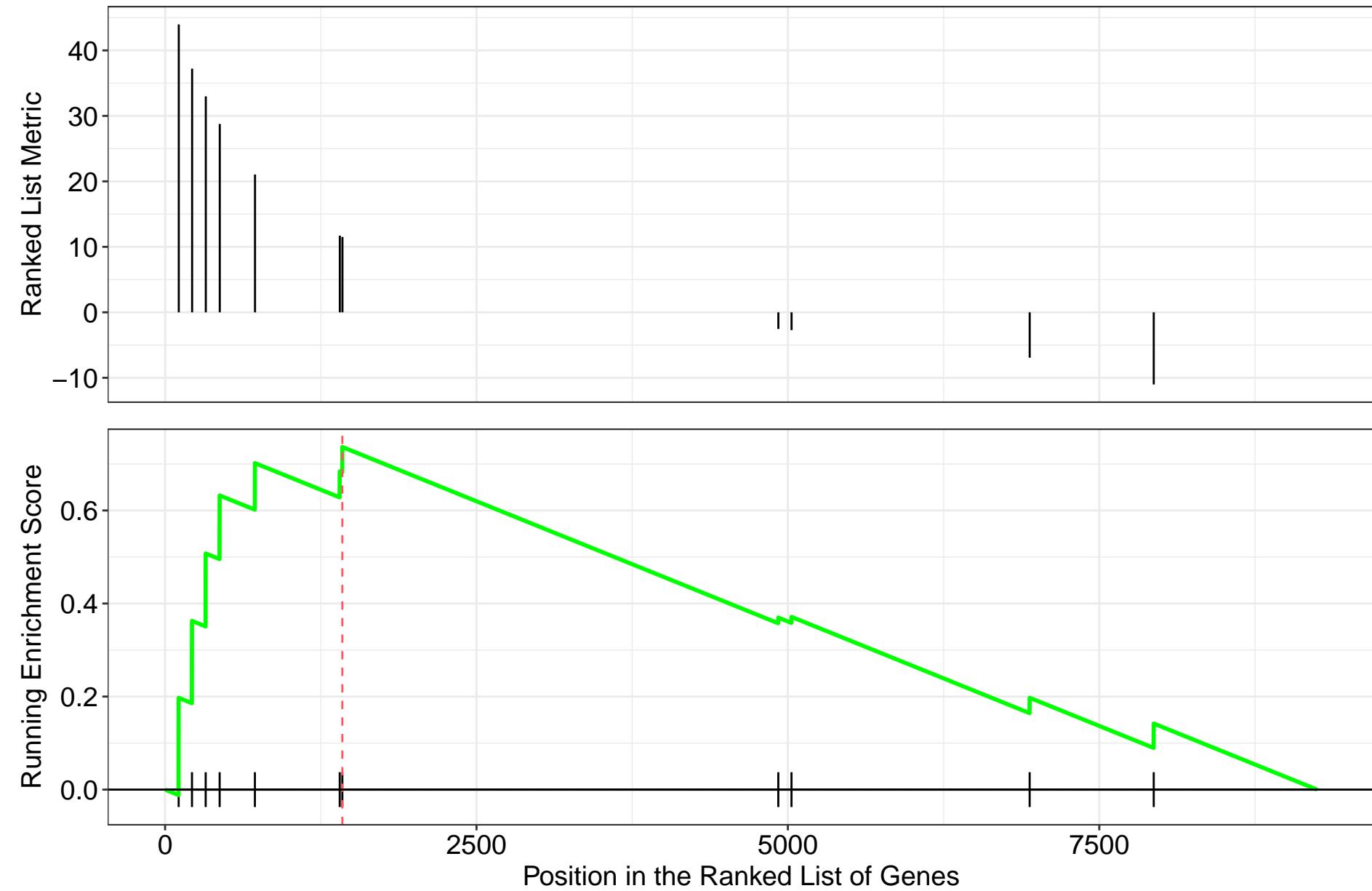
regulation of MAP kinase activity



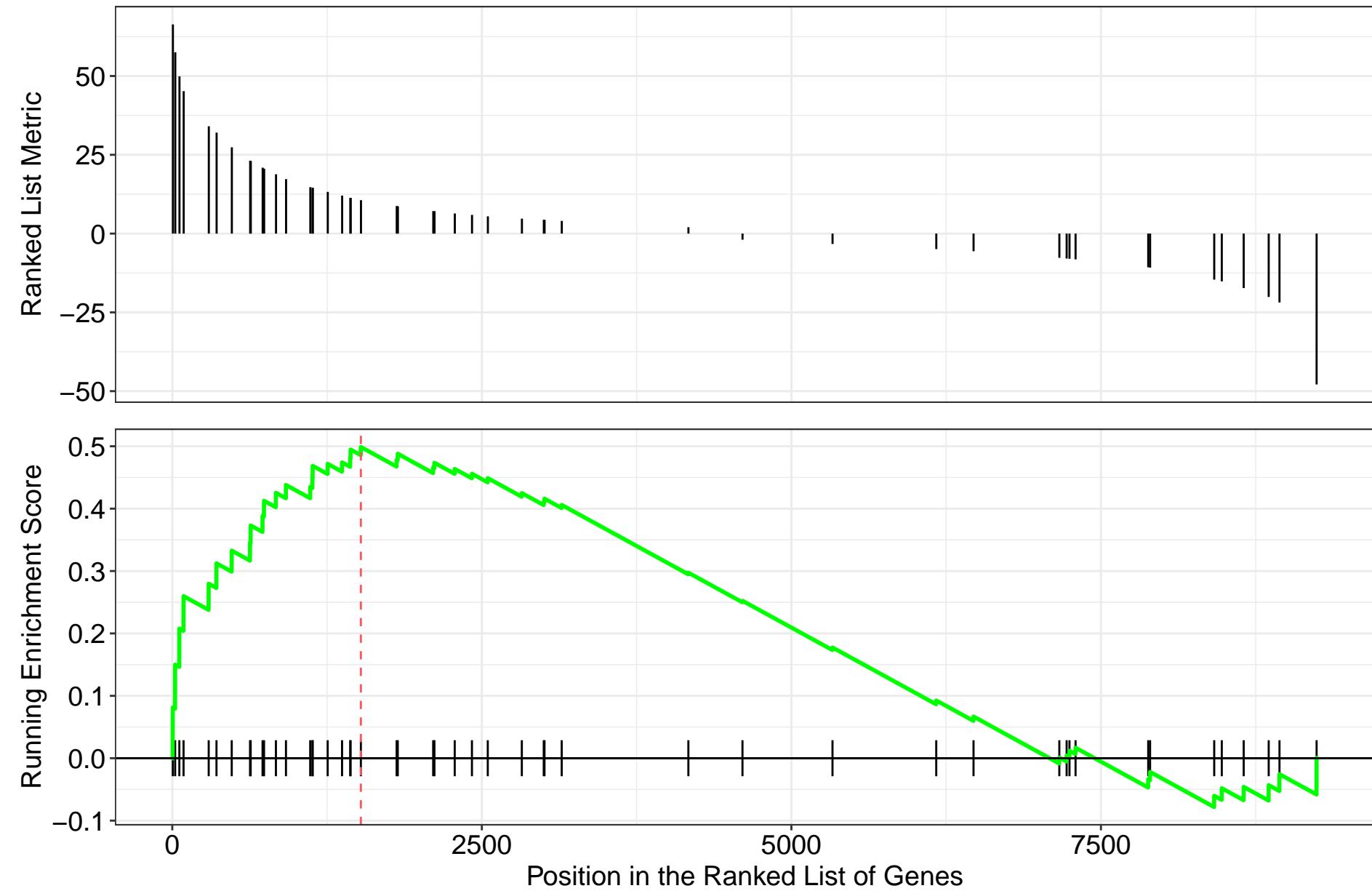
T cell extravasation



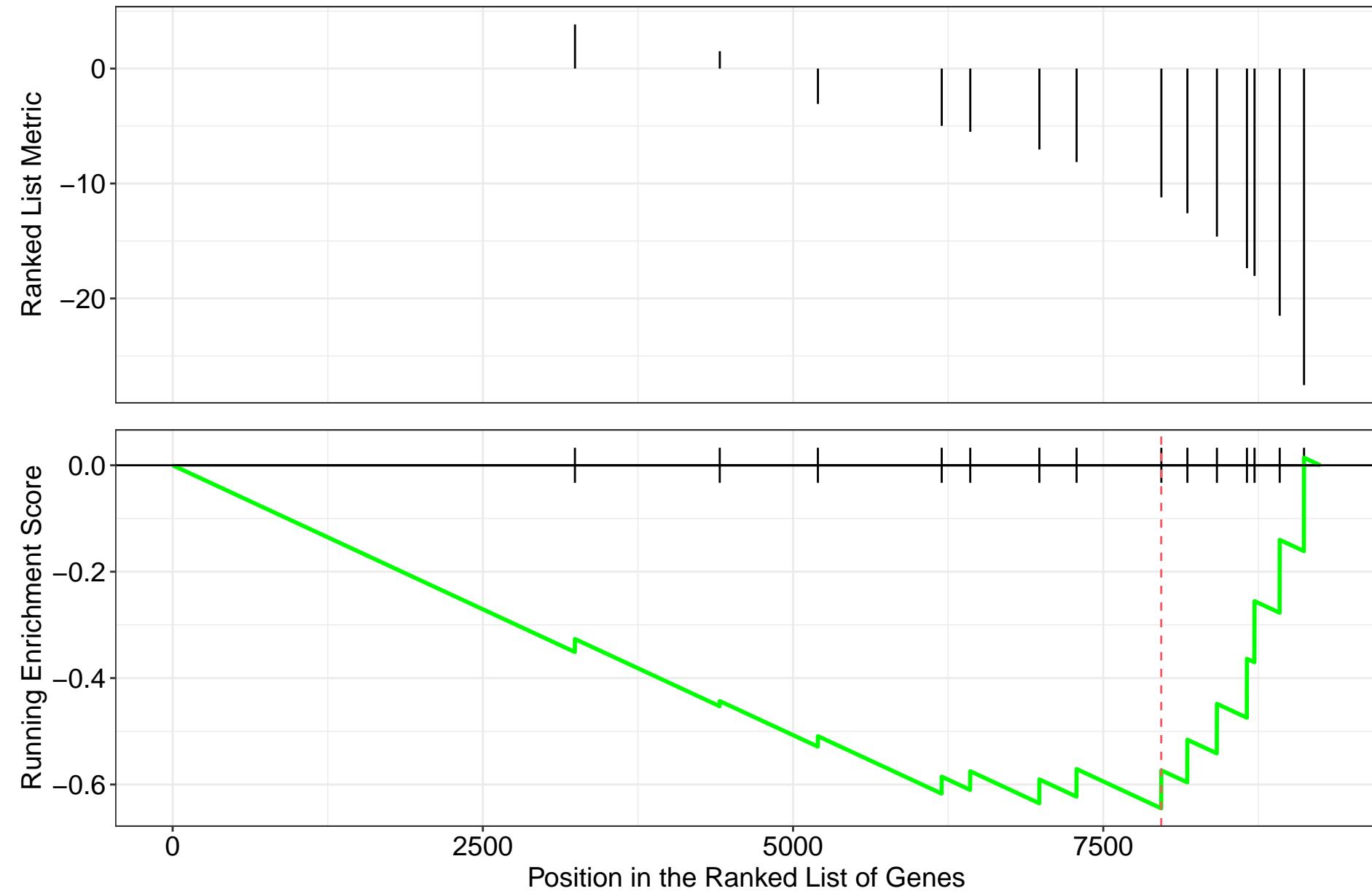
protein kinase C-activating G protein-coupled receptor signaling pathway



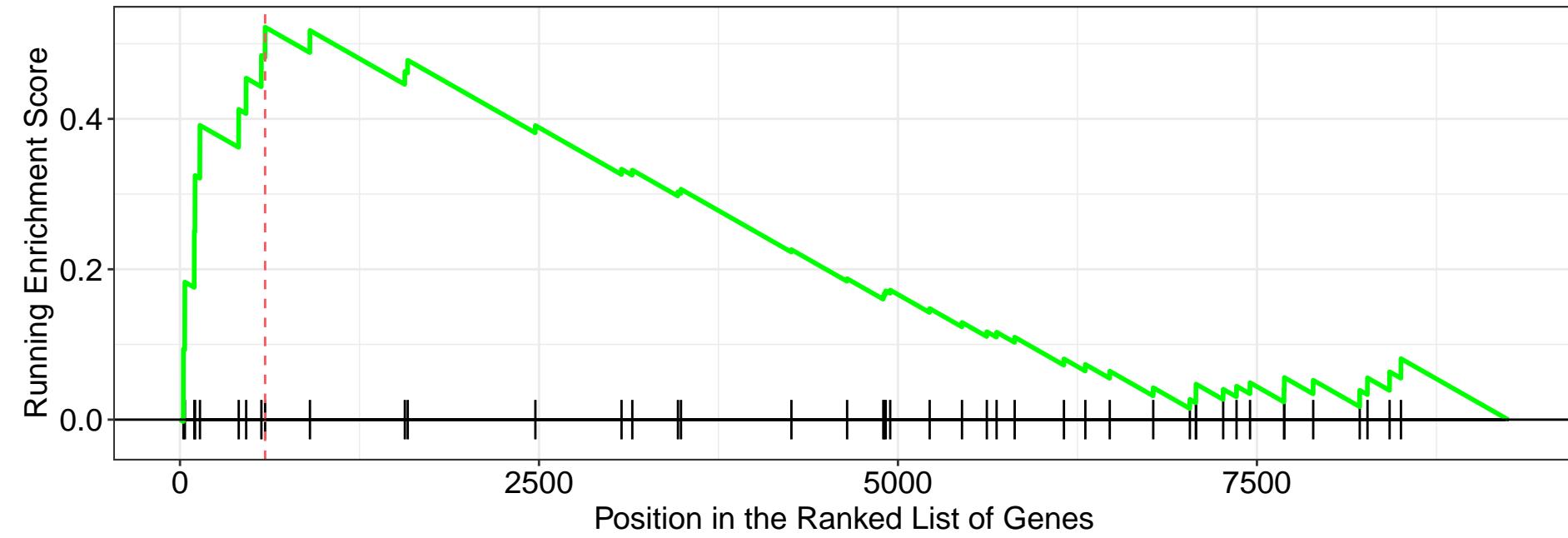
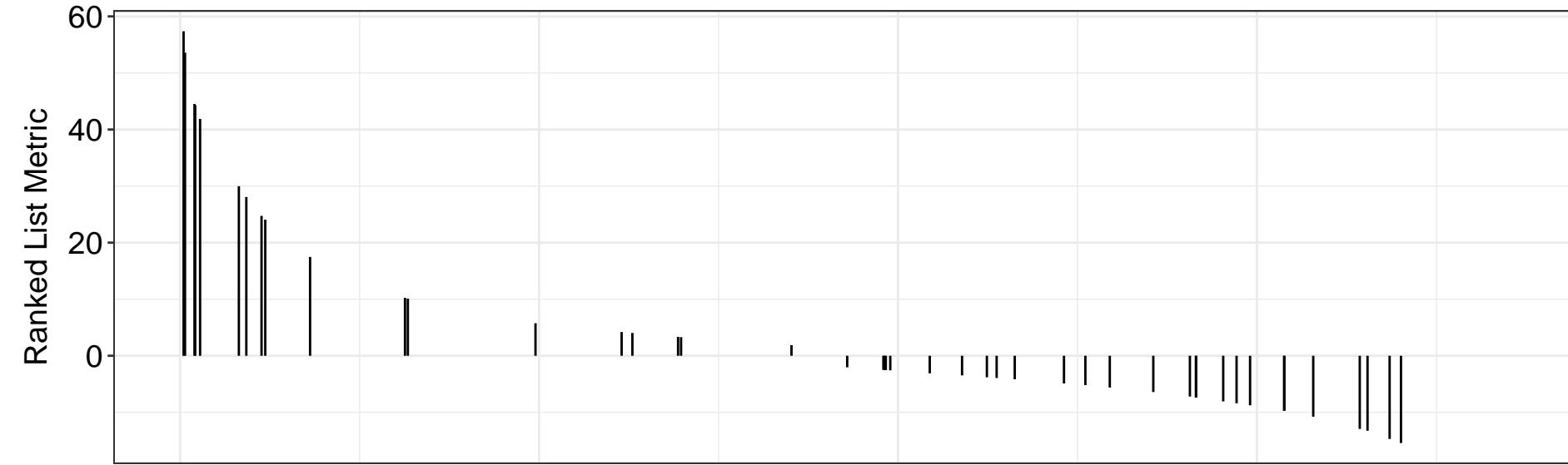
positive regulation of alpha–beta T cell activation



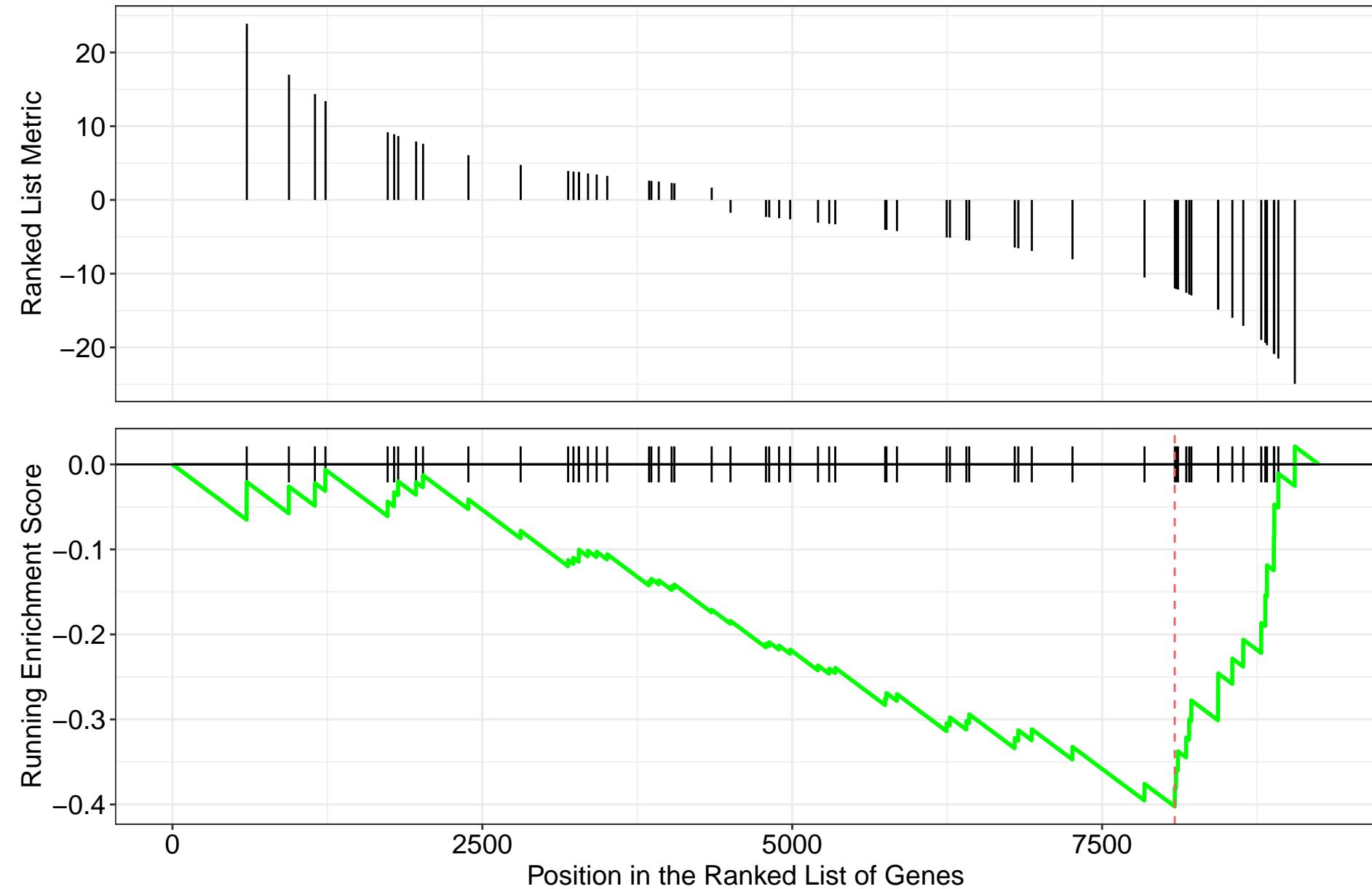
positive regulation of cell cycle checkpoint



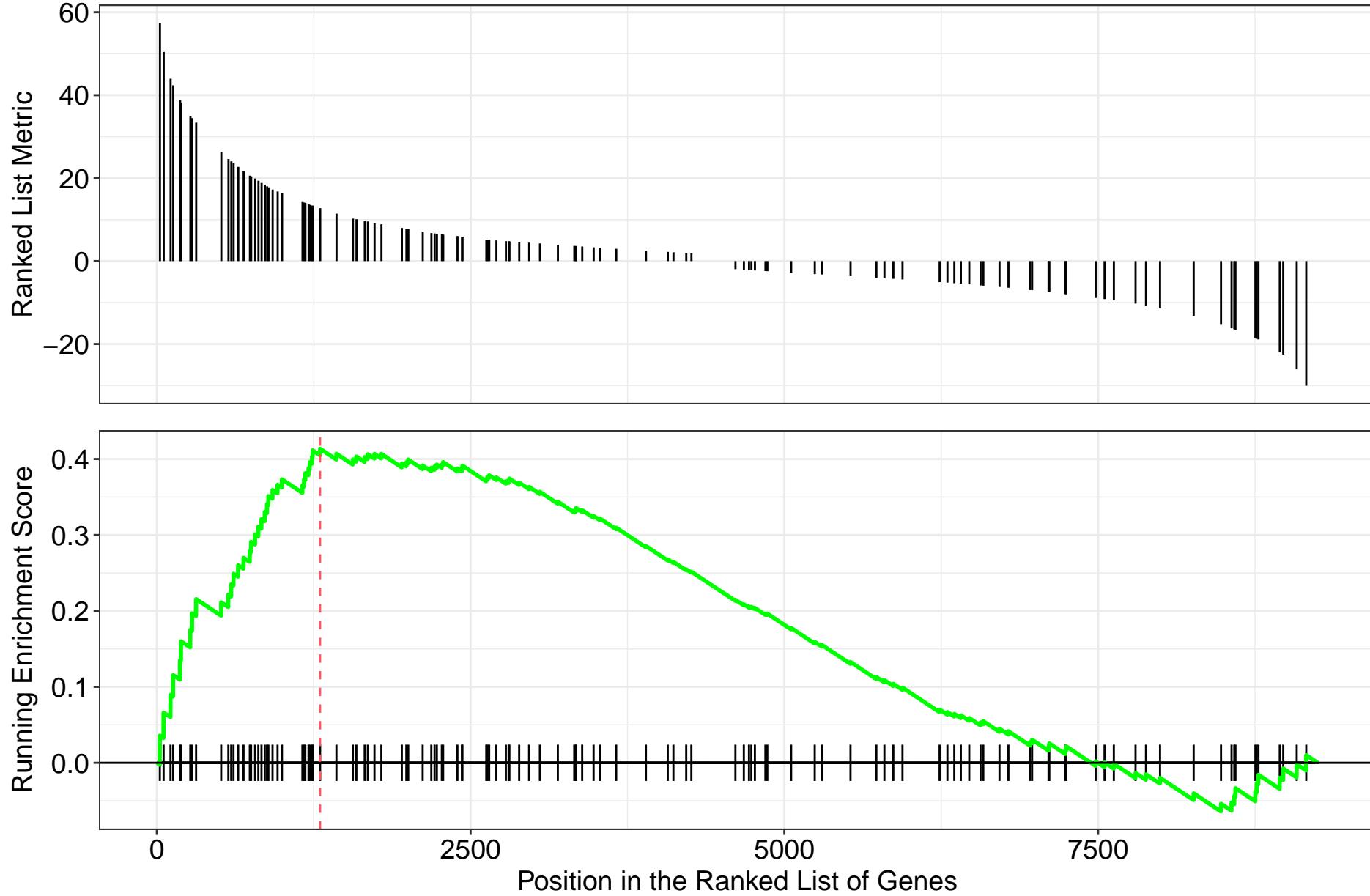
cellular amino acid catabolic process



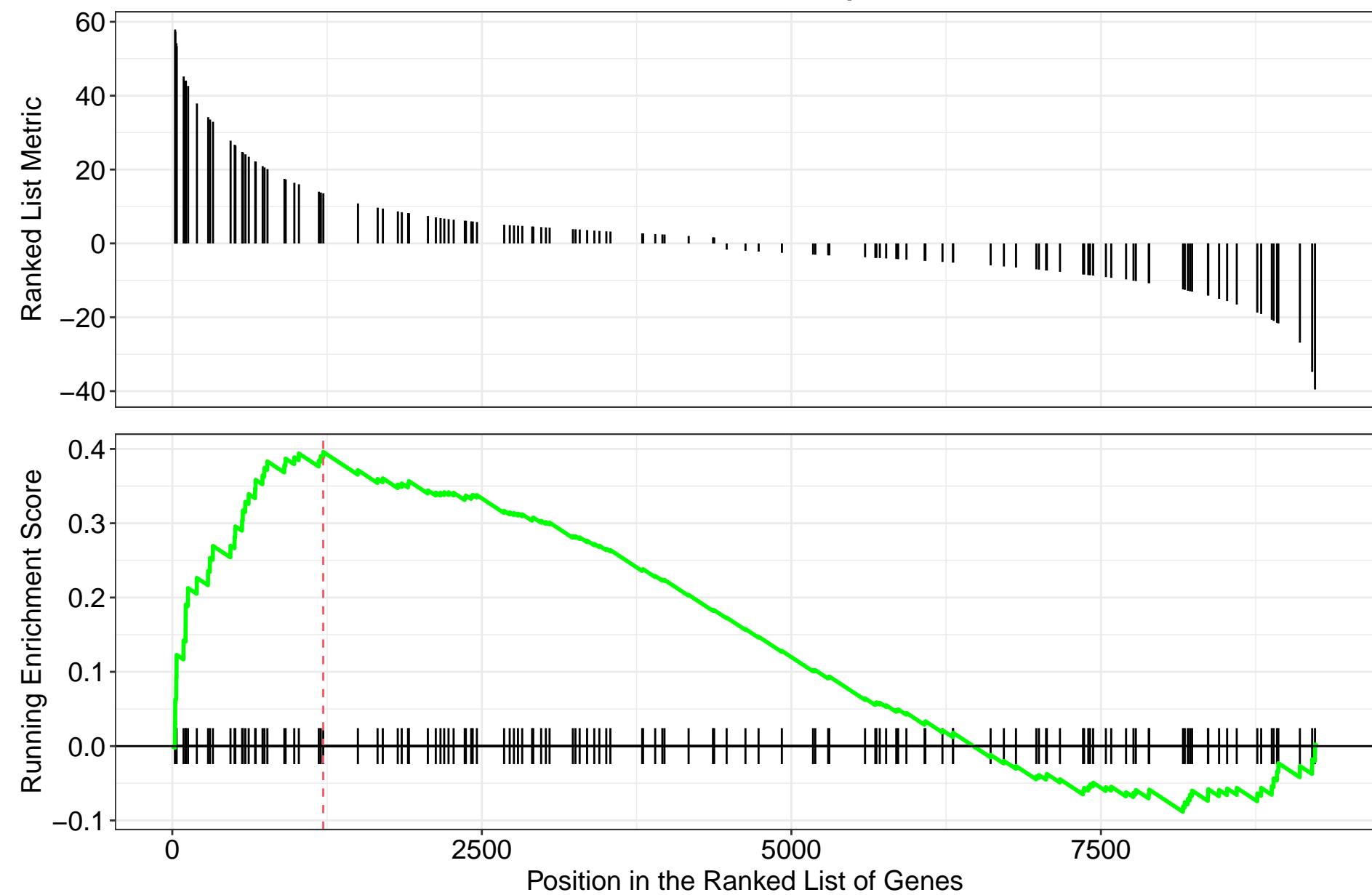
positive regulation of mitotic cell cycle phase transition



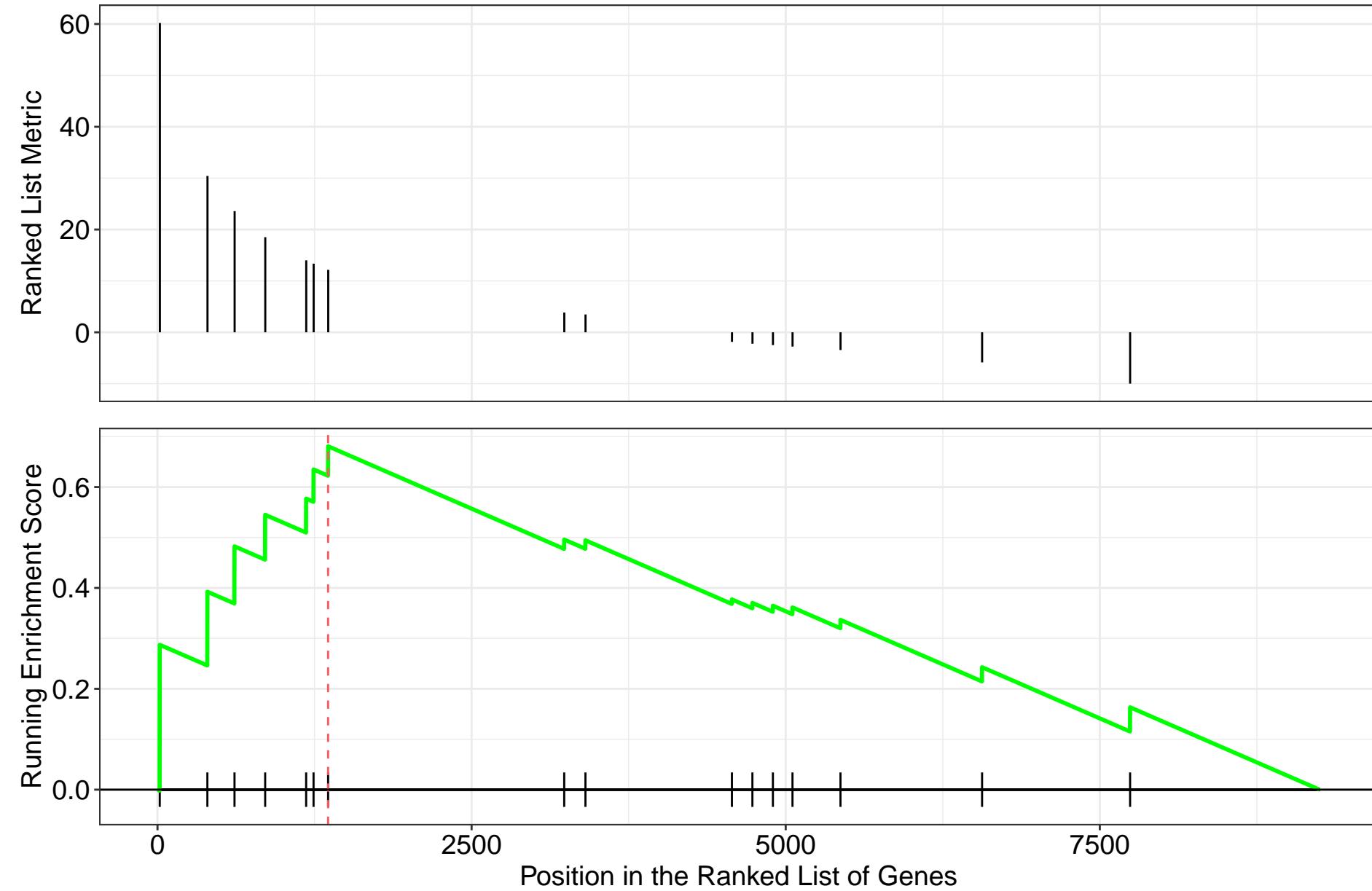
reactive oxygen species metabolic process



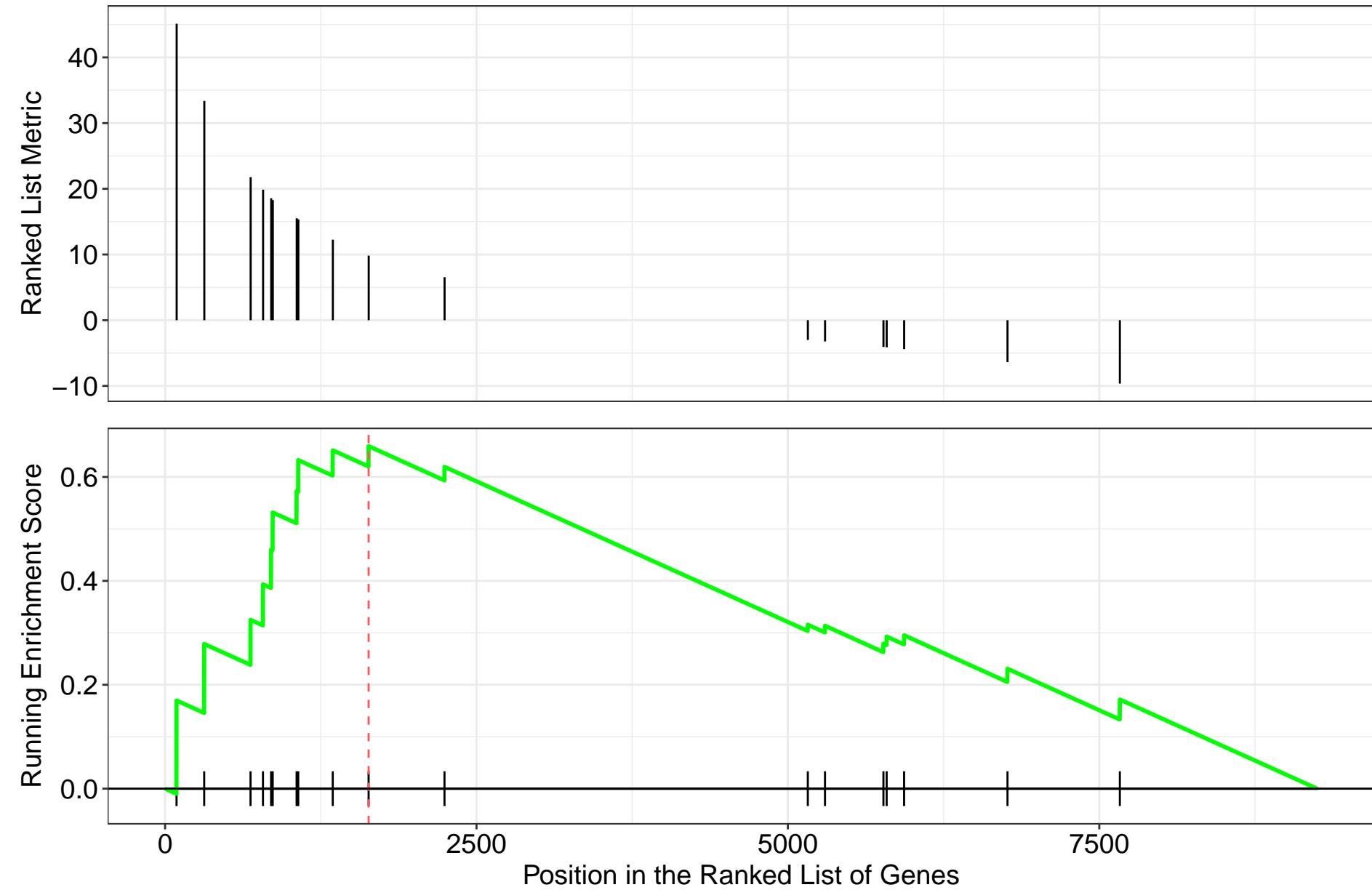
hormone transport



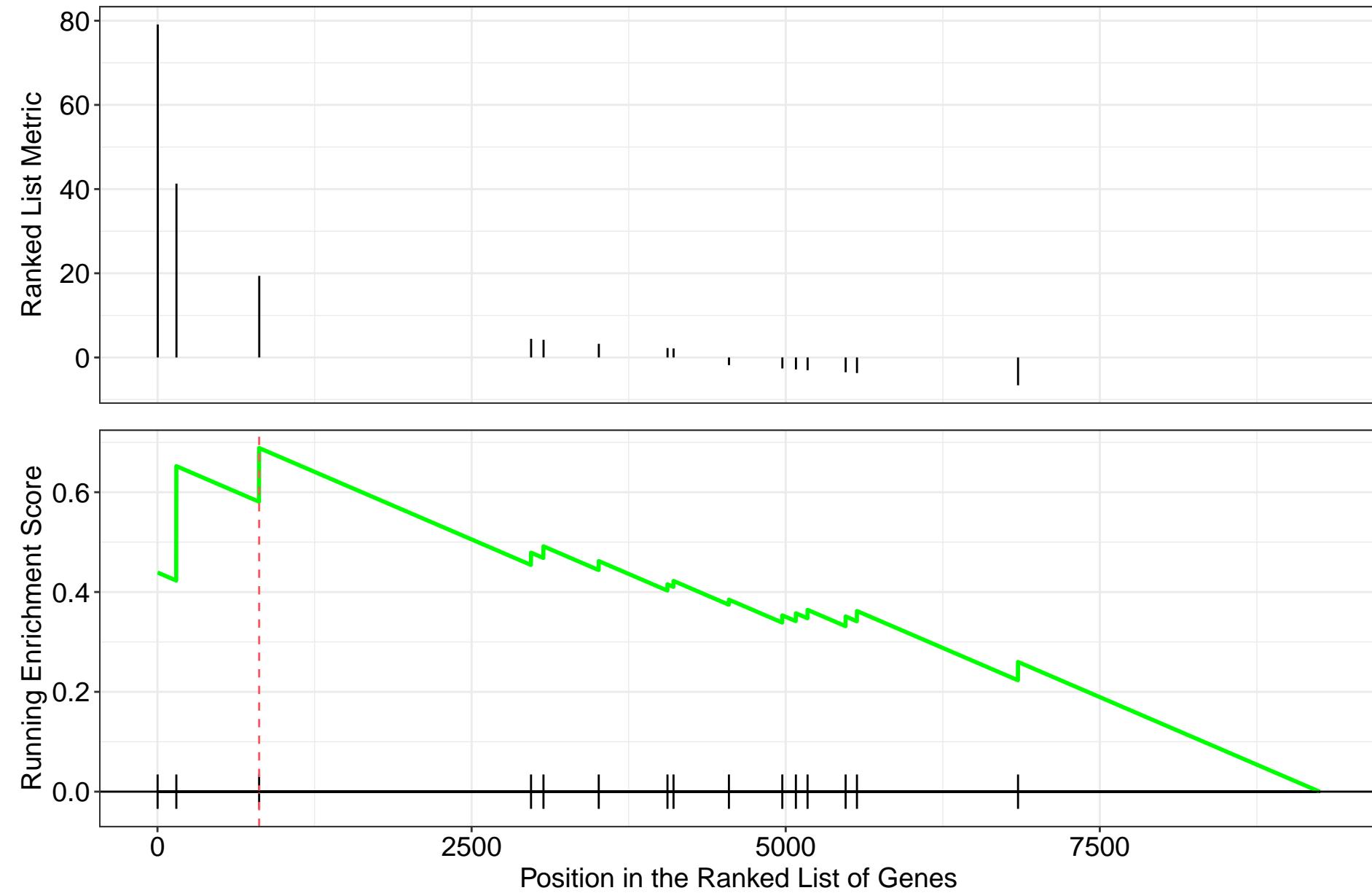
regulation of mitochondrial depolarization



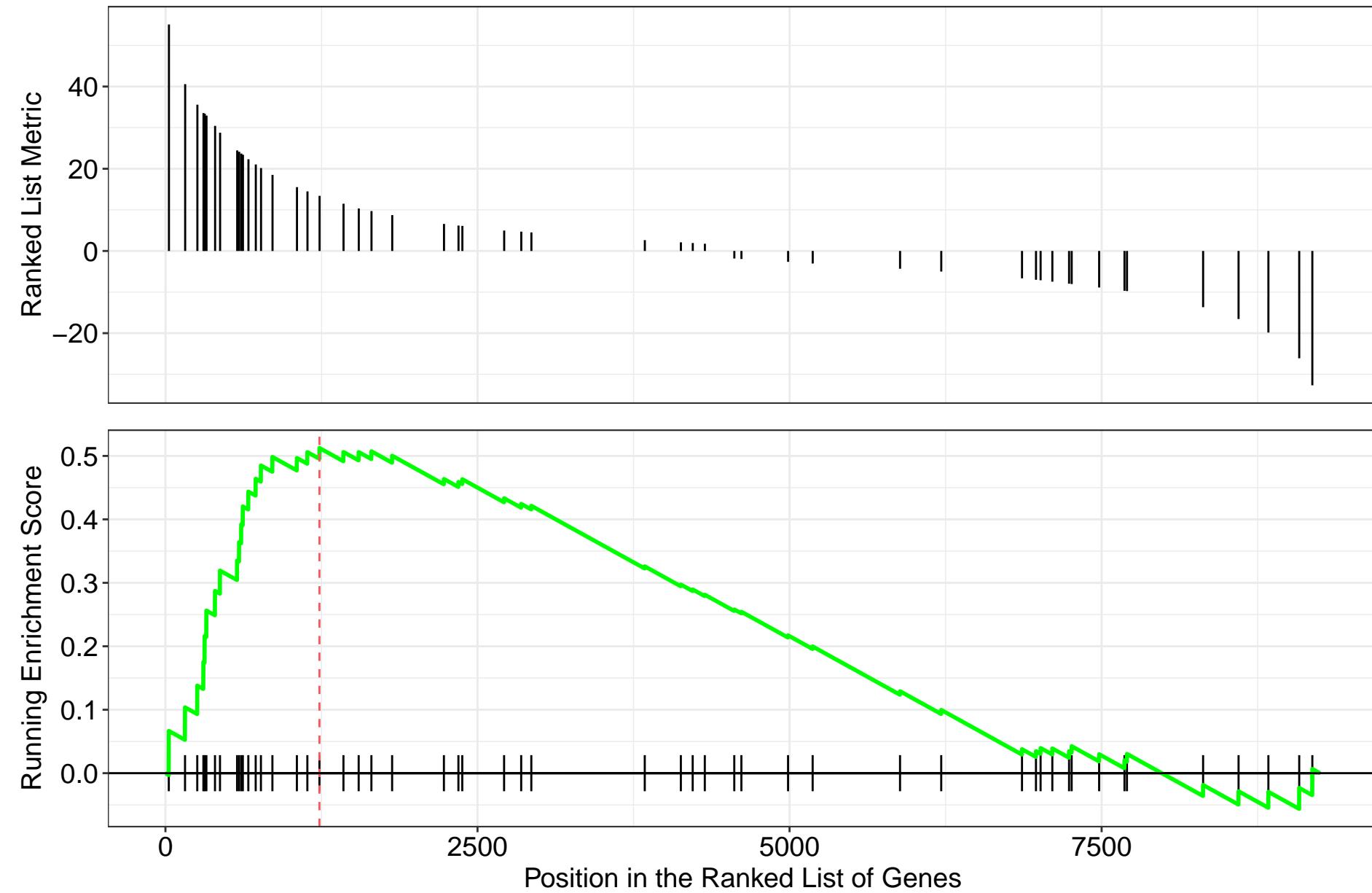
regulation of nuclease activity



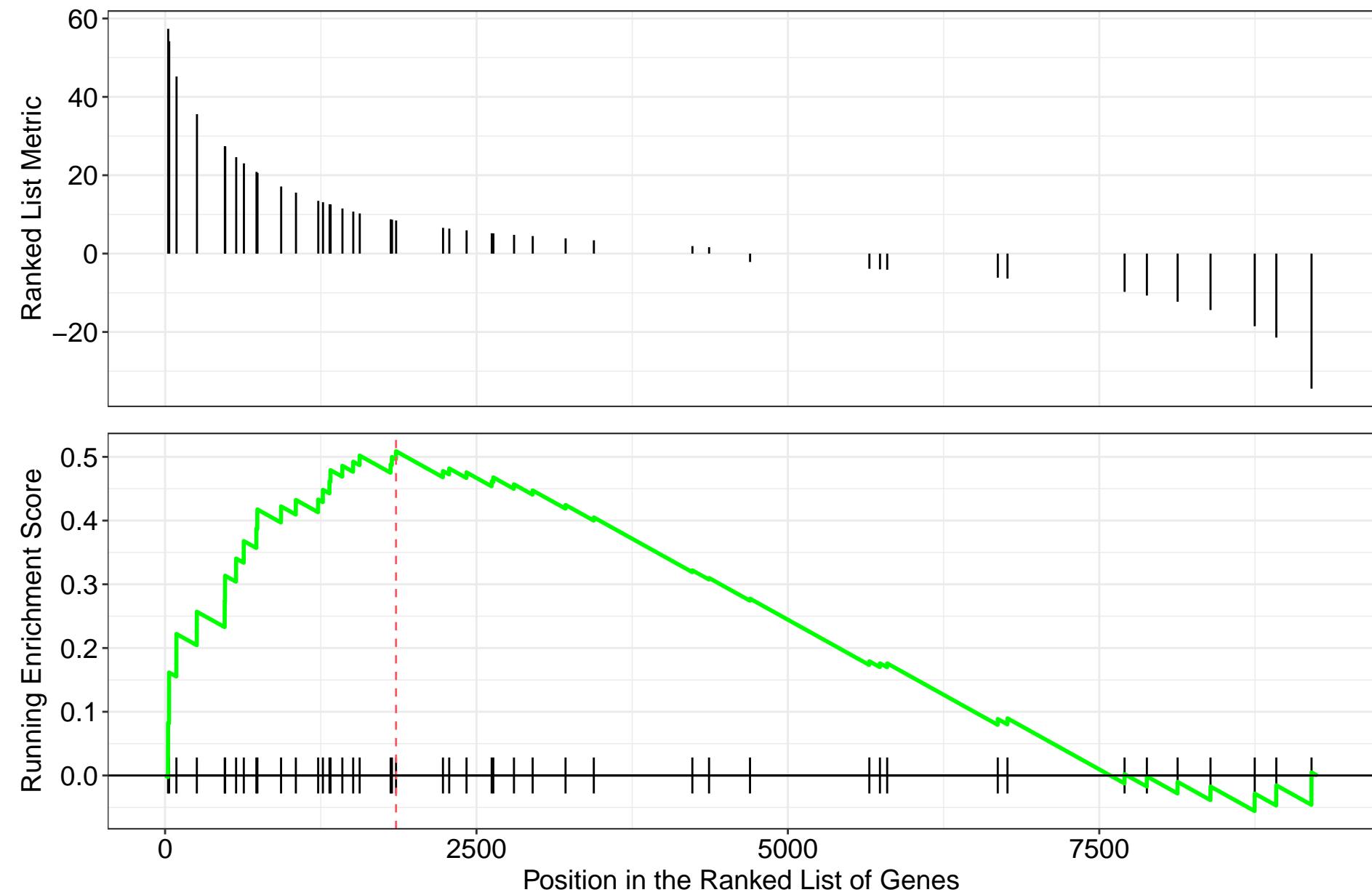
modulation by host of viral genome replication



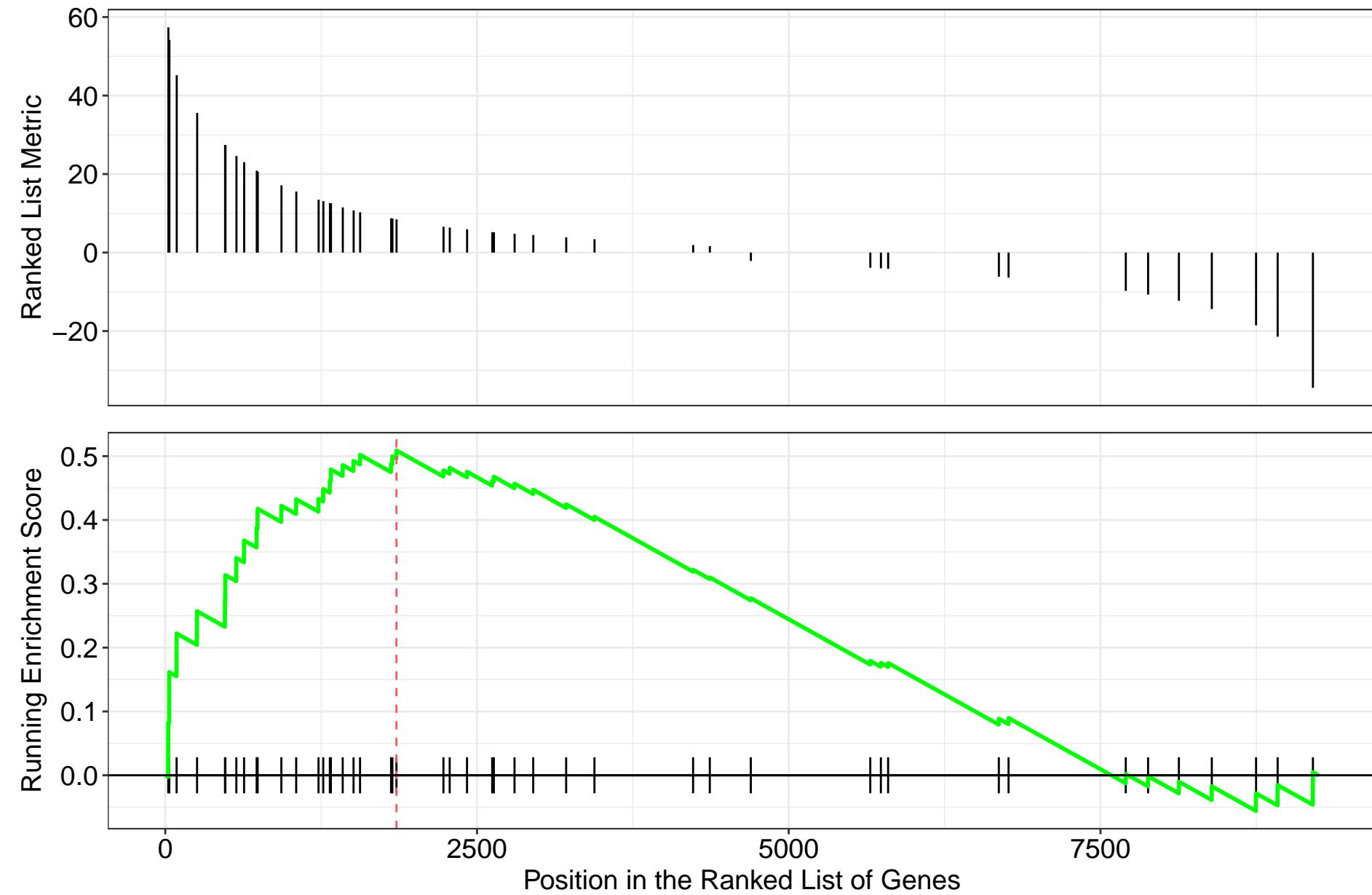
development of primary female sexual characteristics



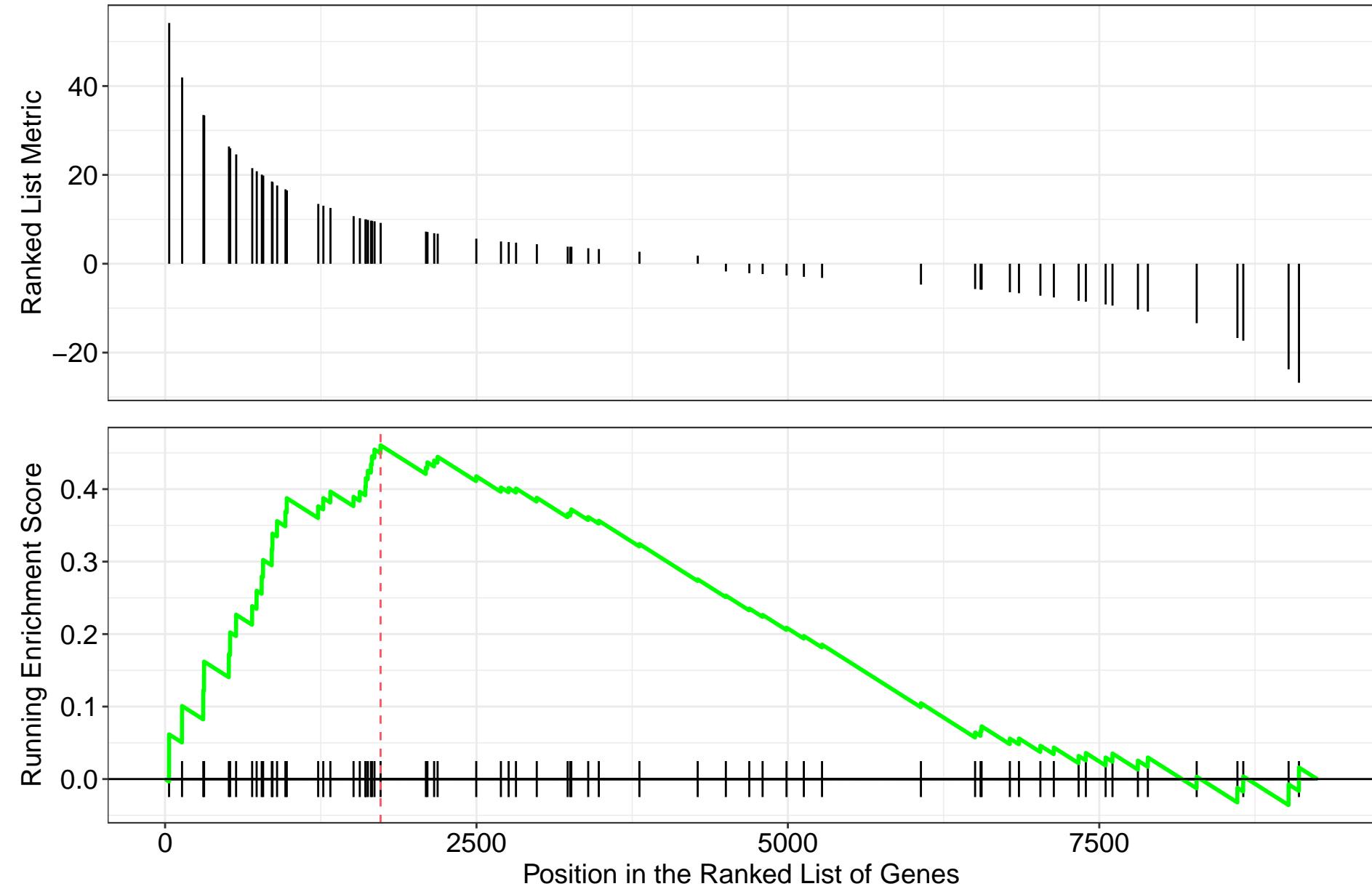
interleukin–8 production



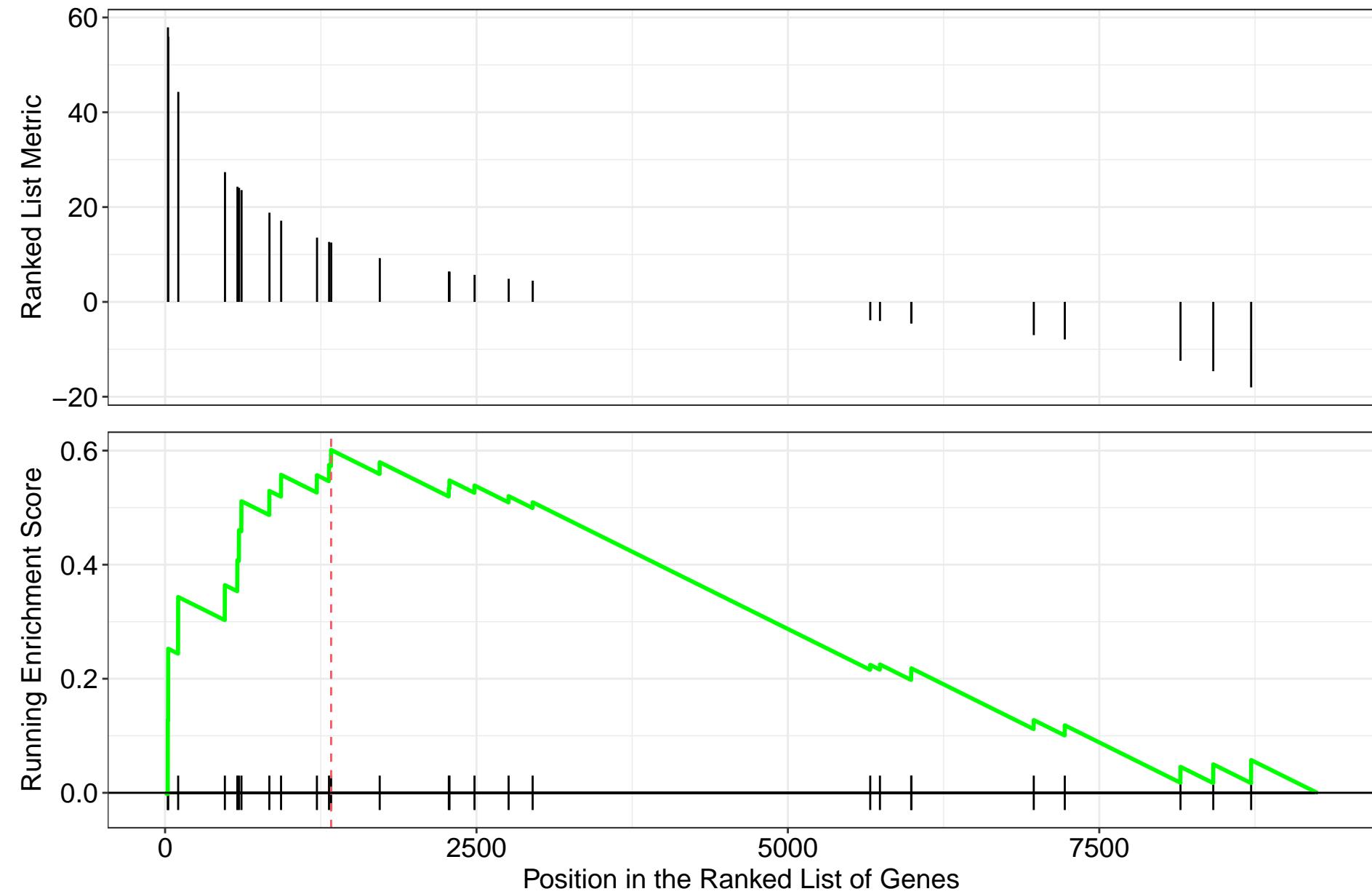
regulation of interleukin–8 production



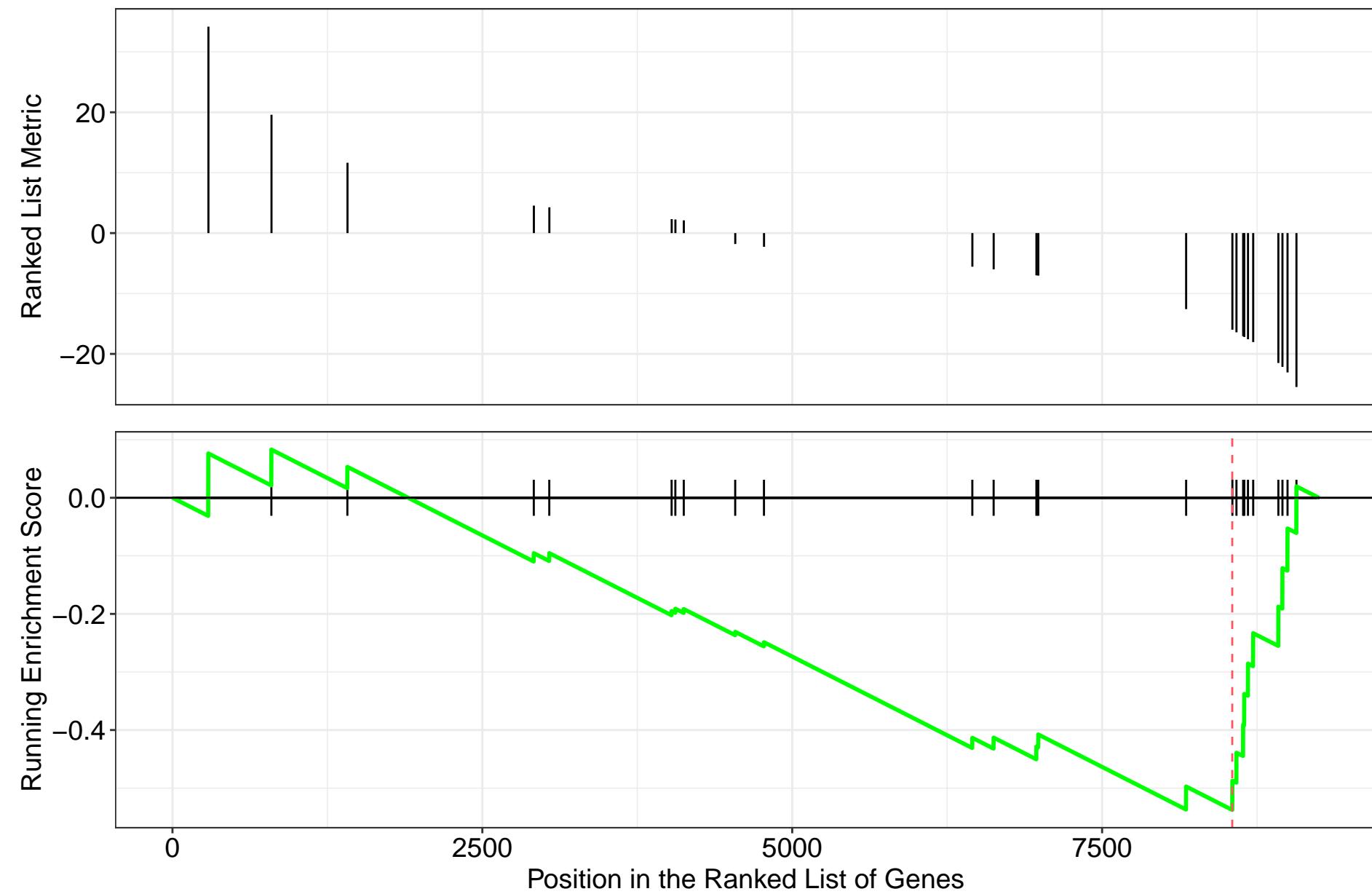
endothelial cell differentiation



negative regulation of lymphocyte apoptotic process

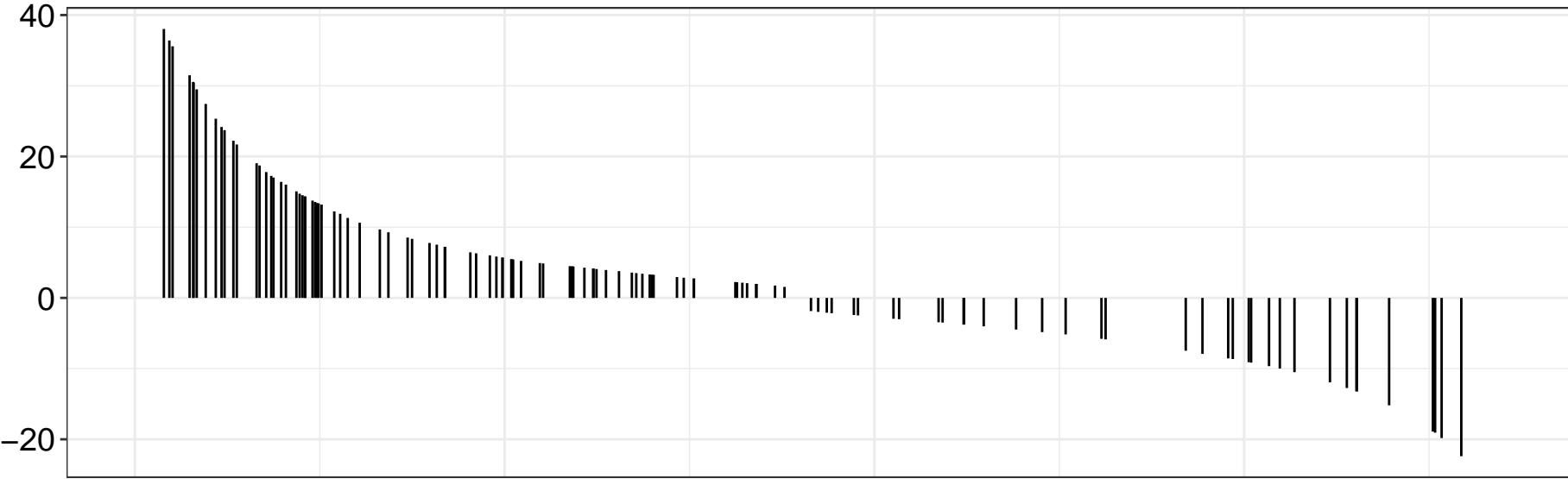


positive regulation of cytokinesis



protein processing

Ranked List Metric



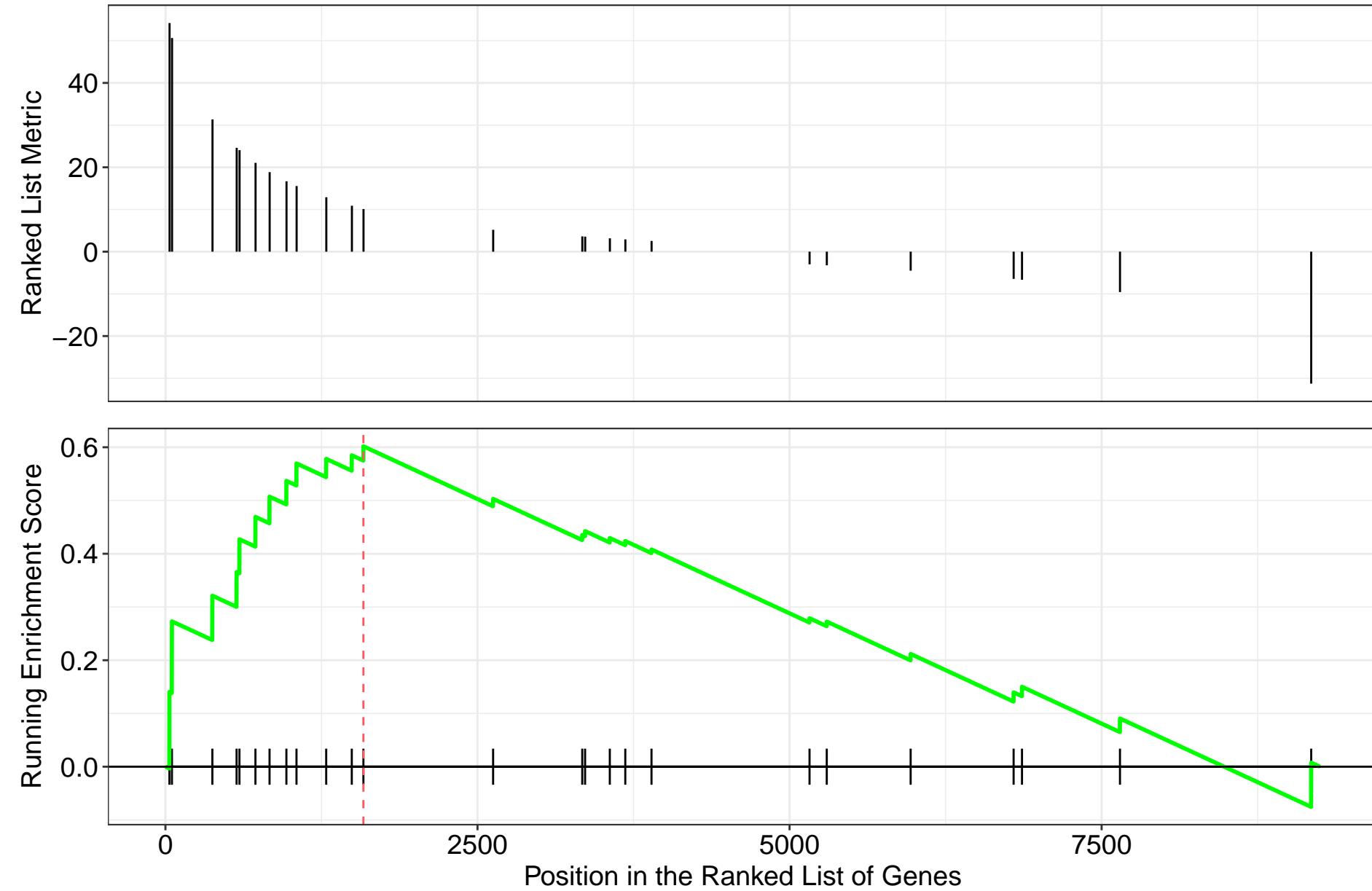
Running Enrichment Score

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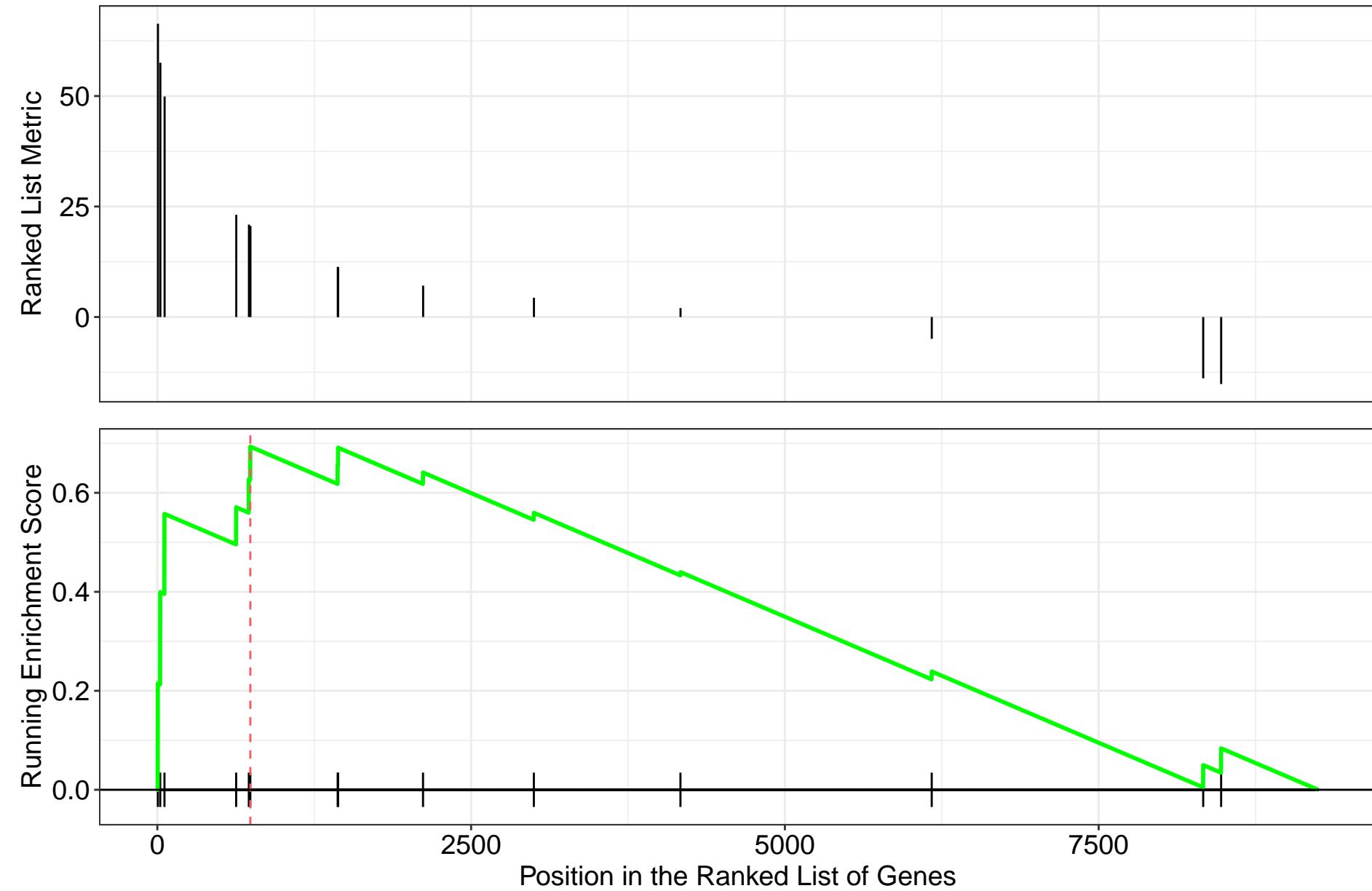
Position in the Ranked List of Genes



regulation of monooxygenase activity

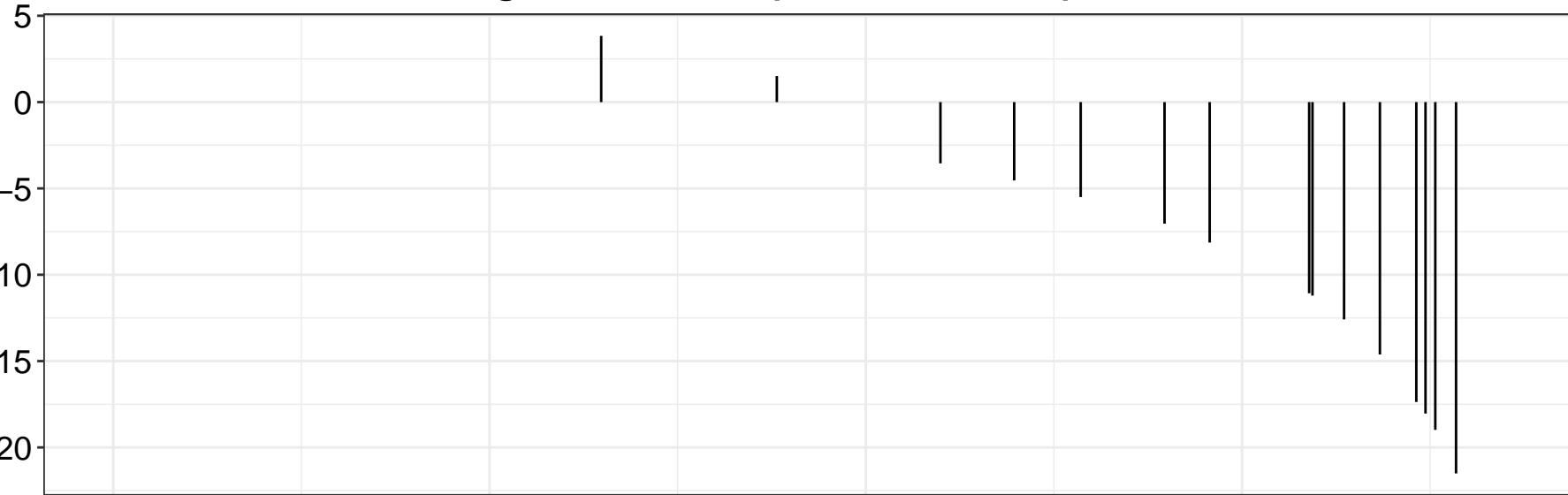


regulation of NK T cell activation



regulation of spindle checkpoint

Ranked List Metric

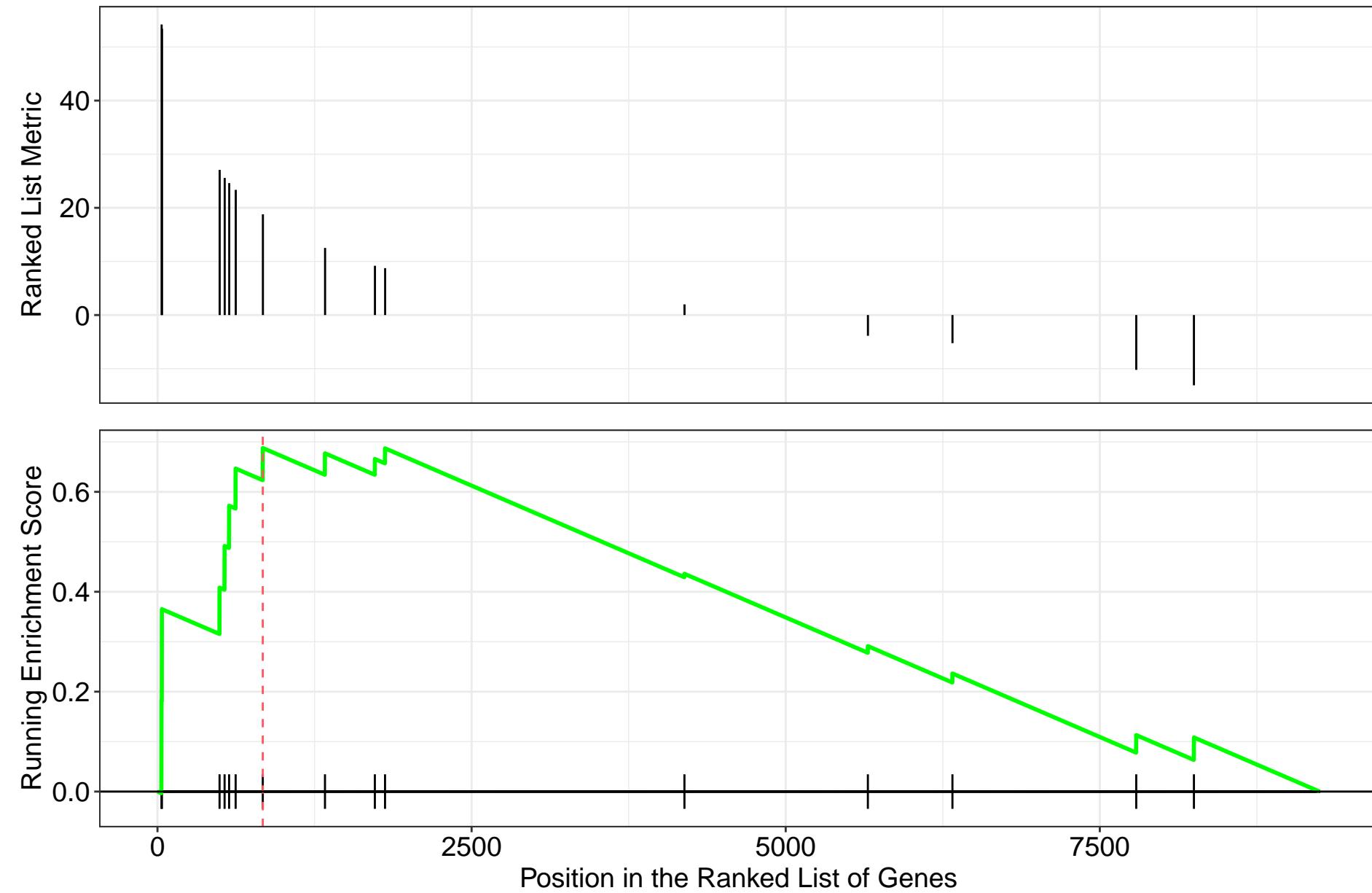


Running Enrichment Score

Position in the Ranked List of Genes

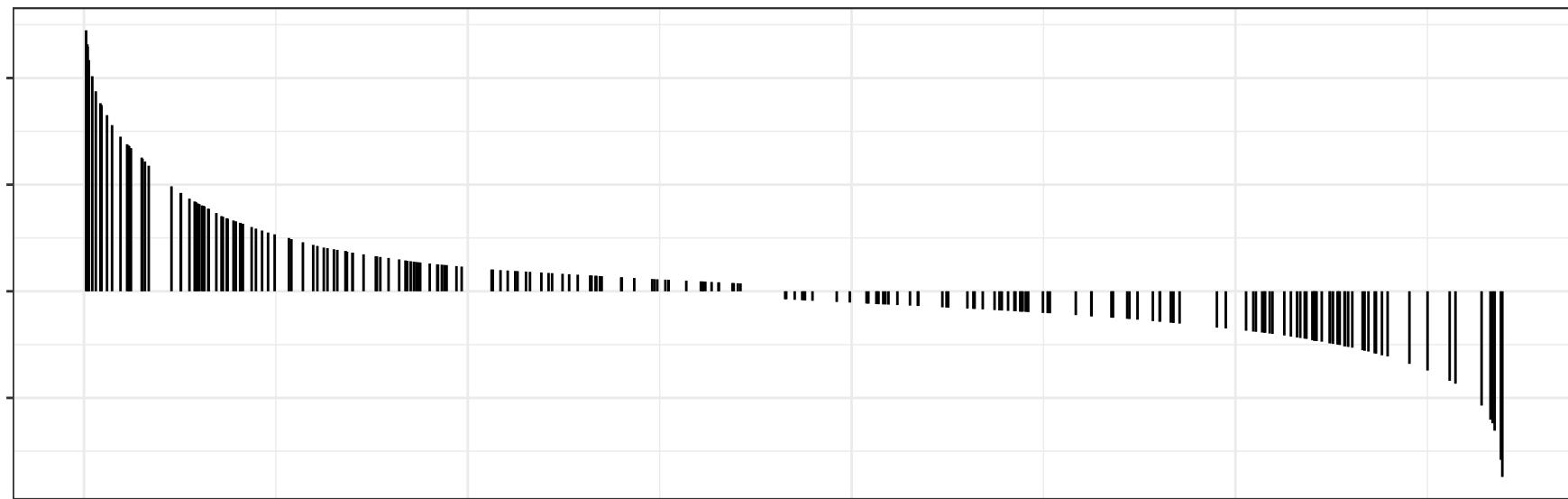


regulation of heterotypic cell–cell adhesion



cellular response to organic cyclic compound

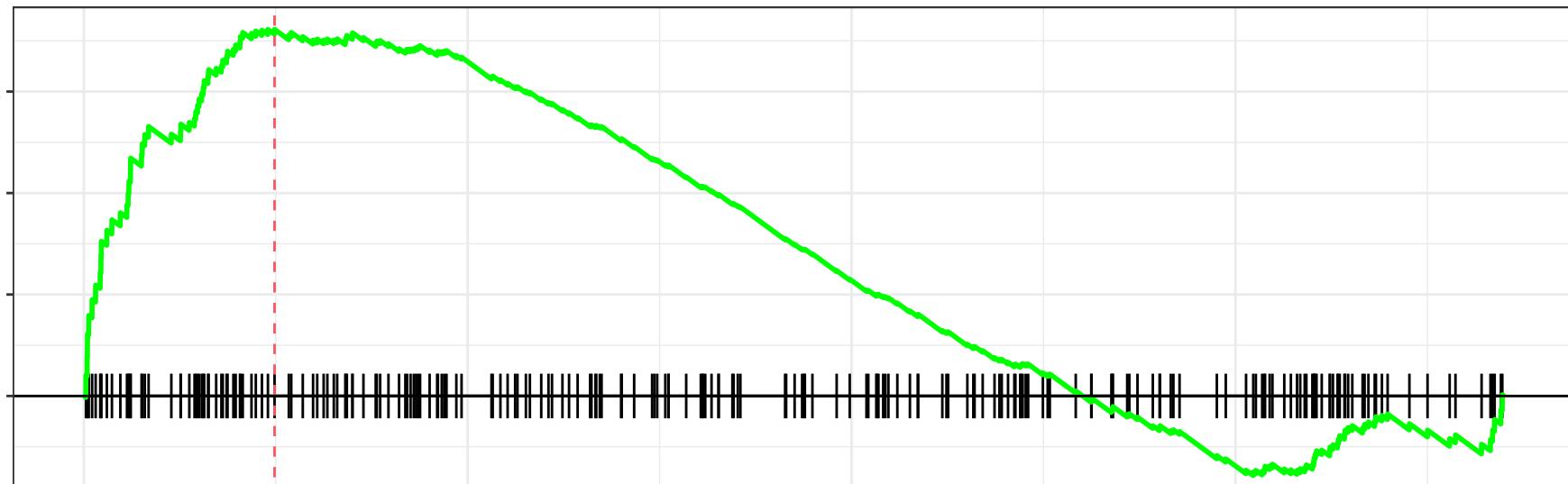
Ranked List Metric



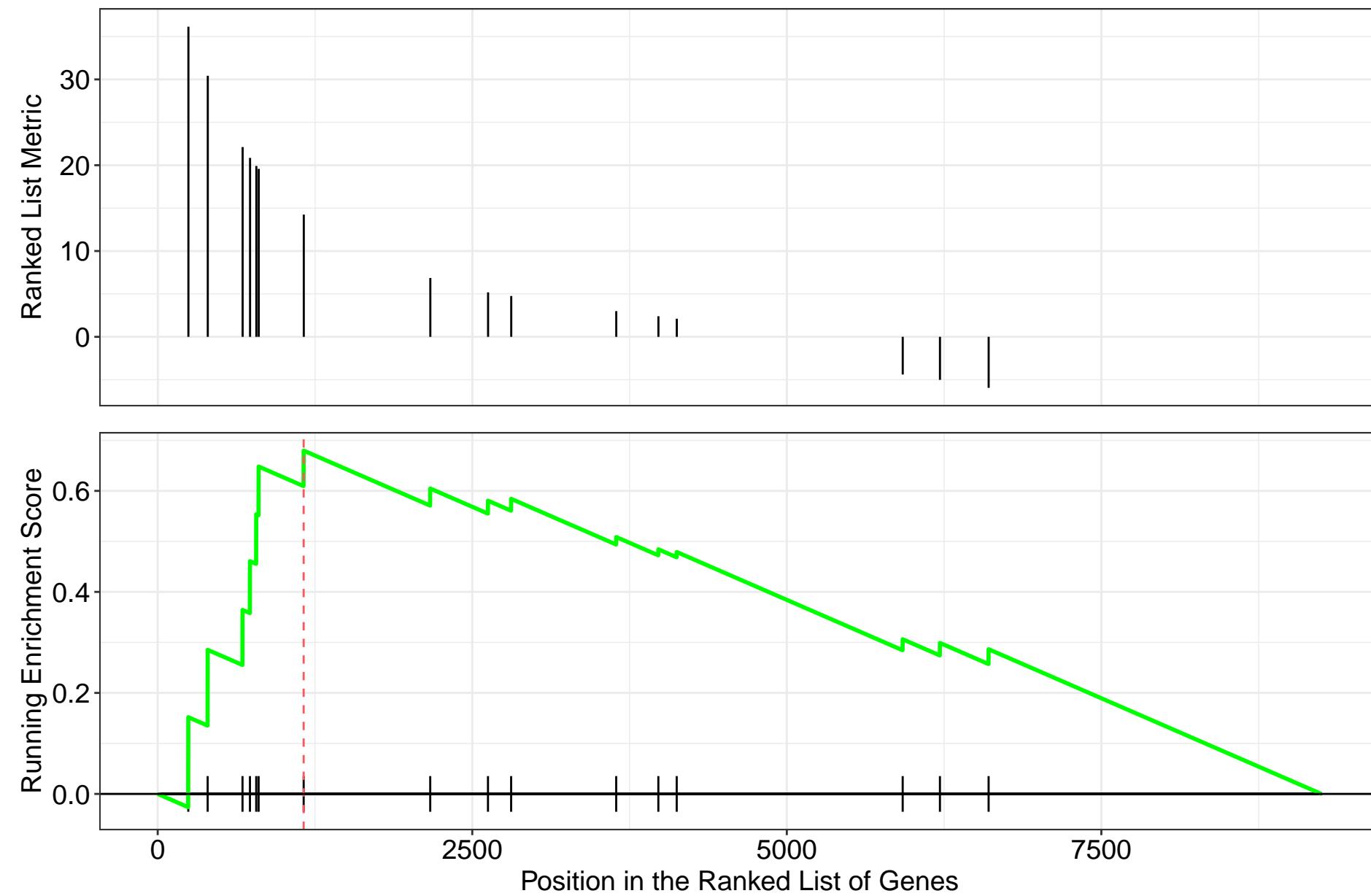
Running Enrichment Score

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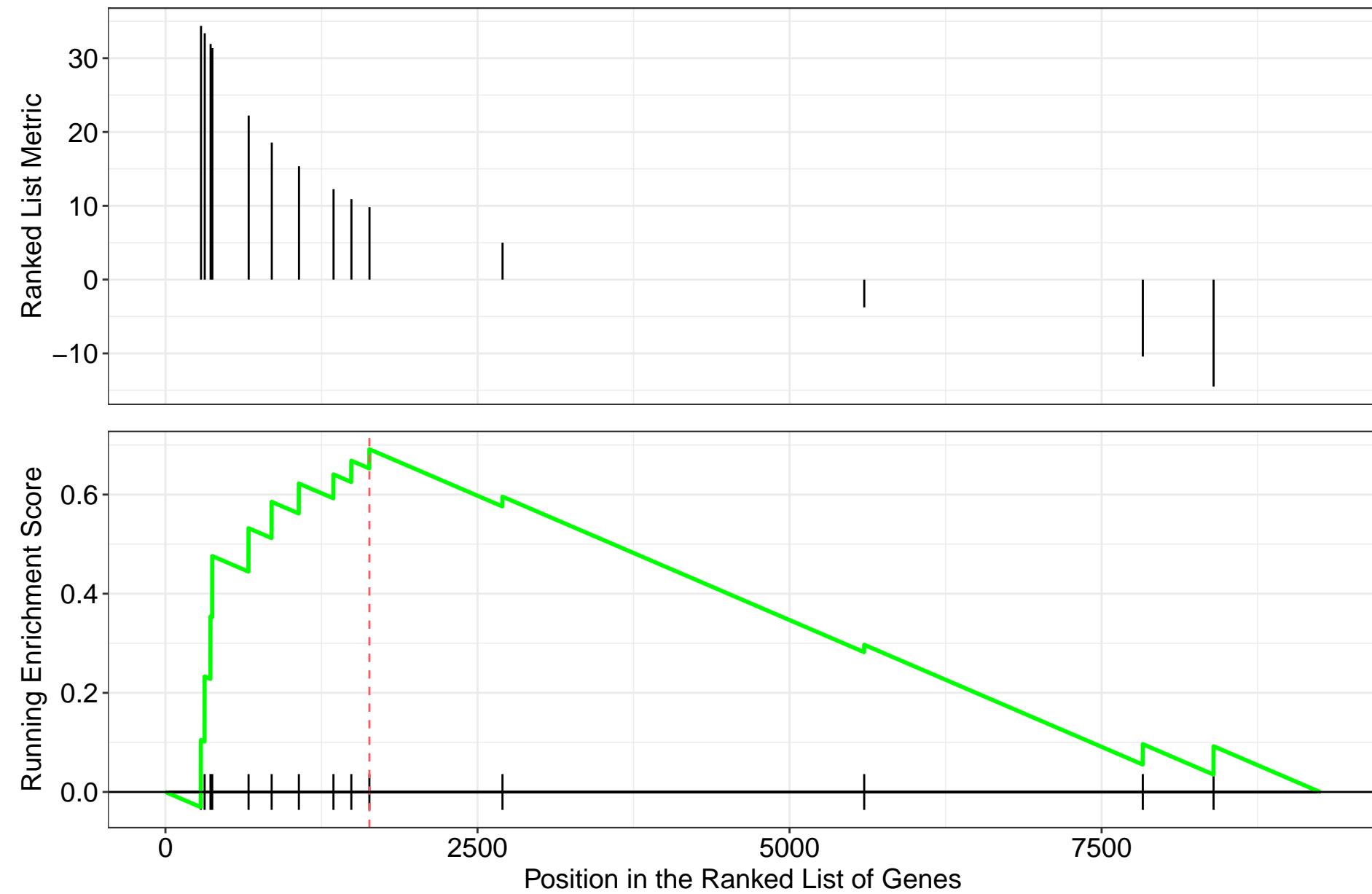
Position in the Ranked List of Genes



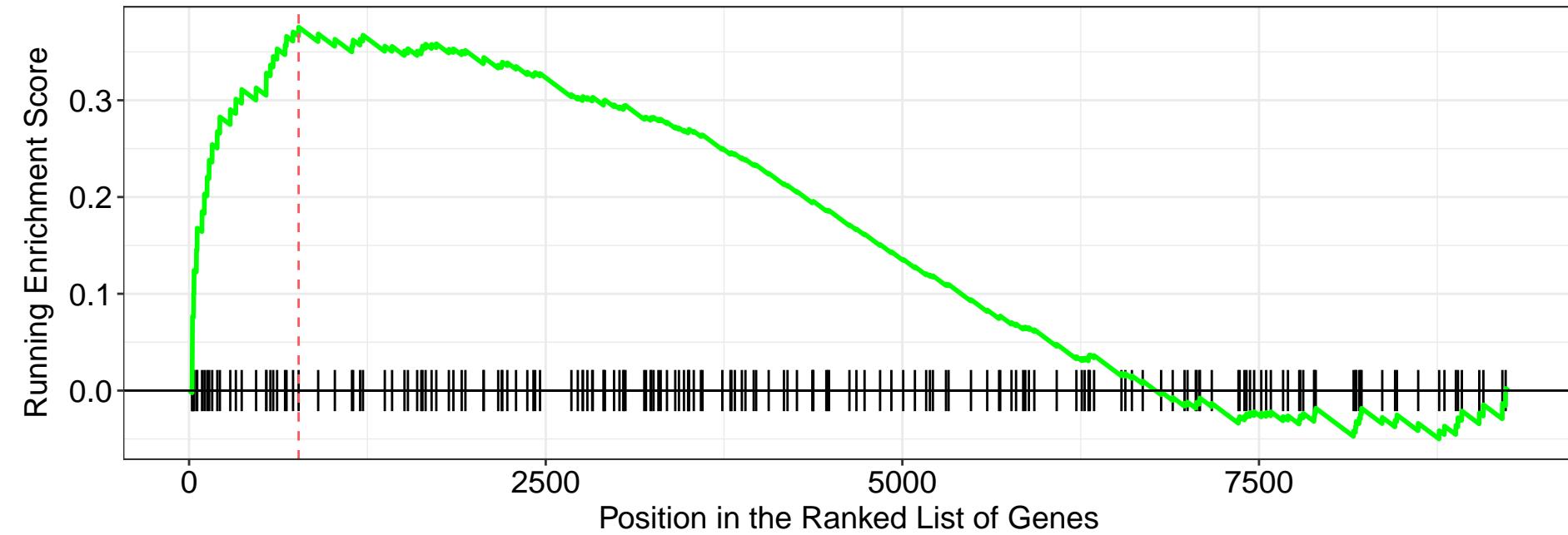
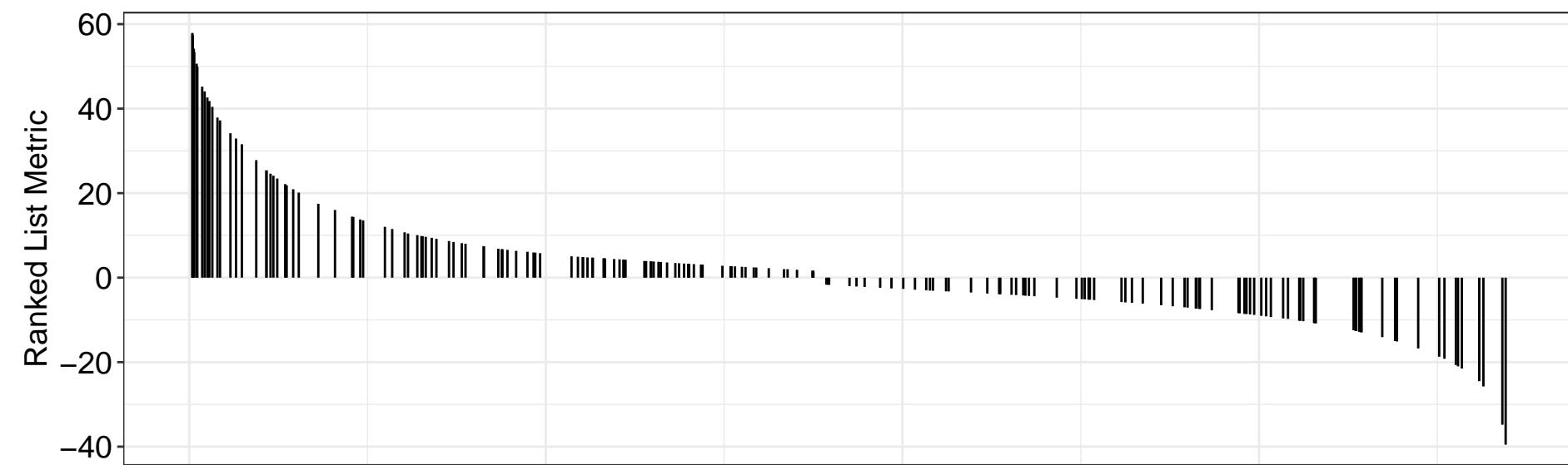
positive regulation of phosphatidylinositol 3-kinase activity



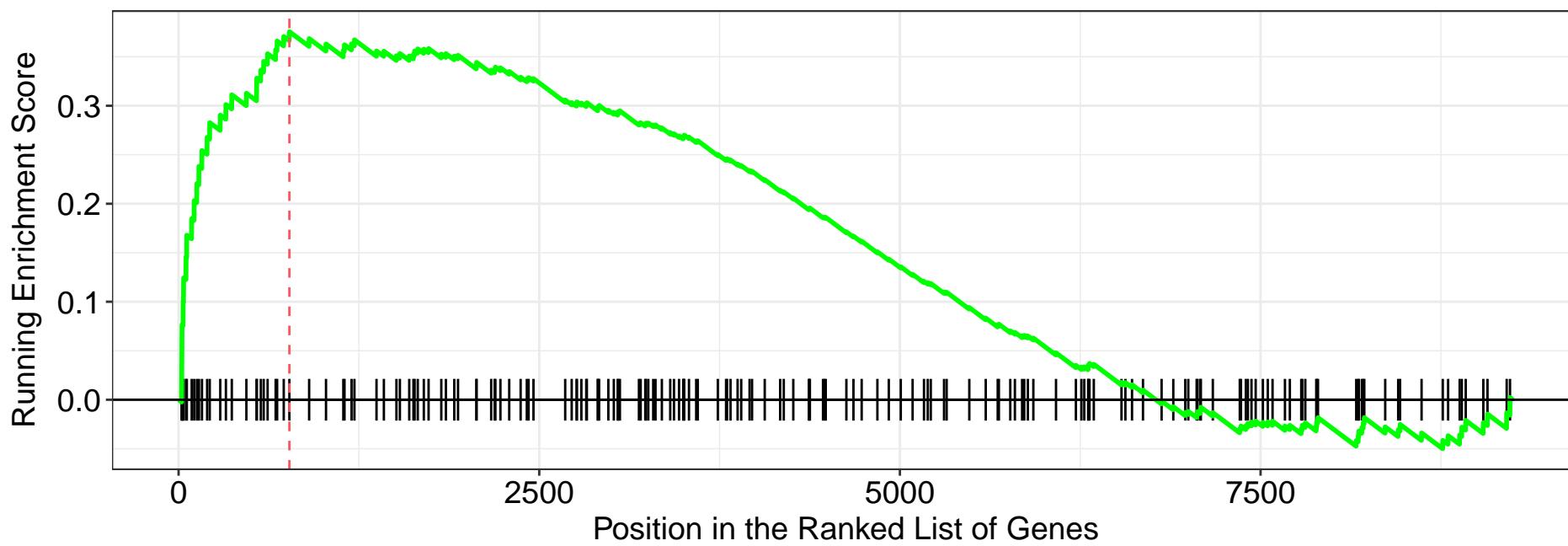
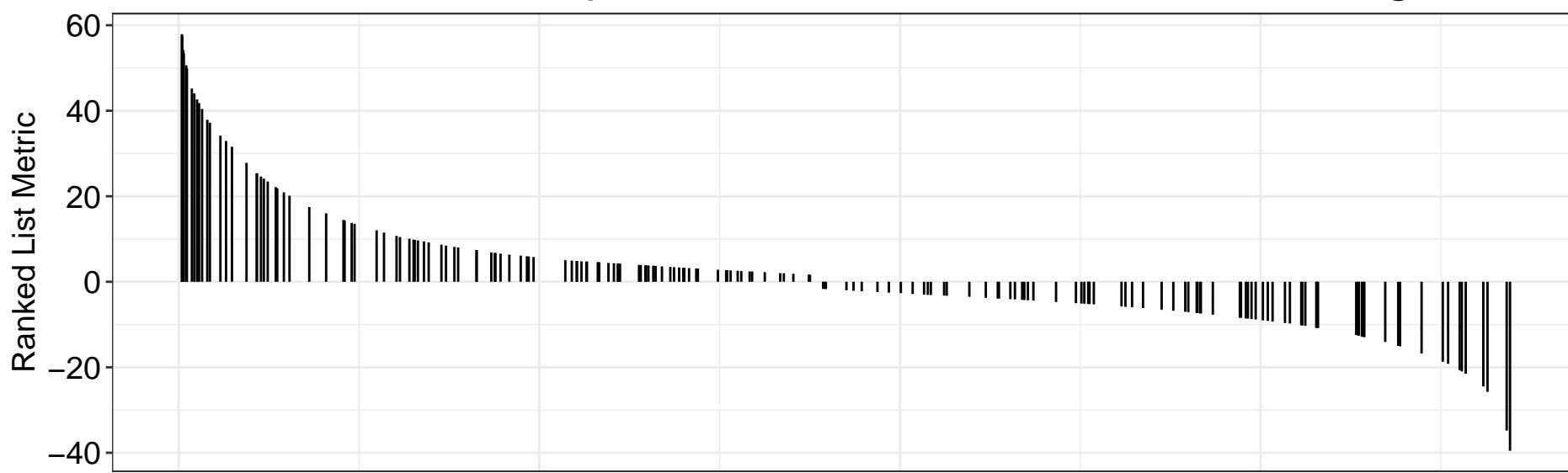
cellular response to interferon-alpha



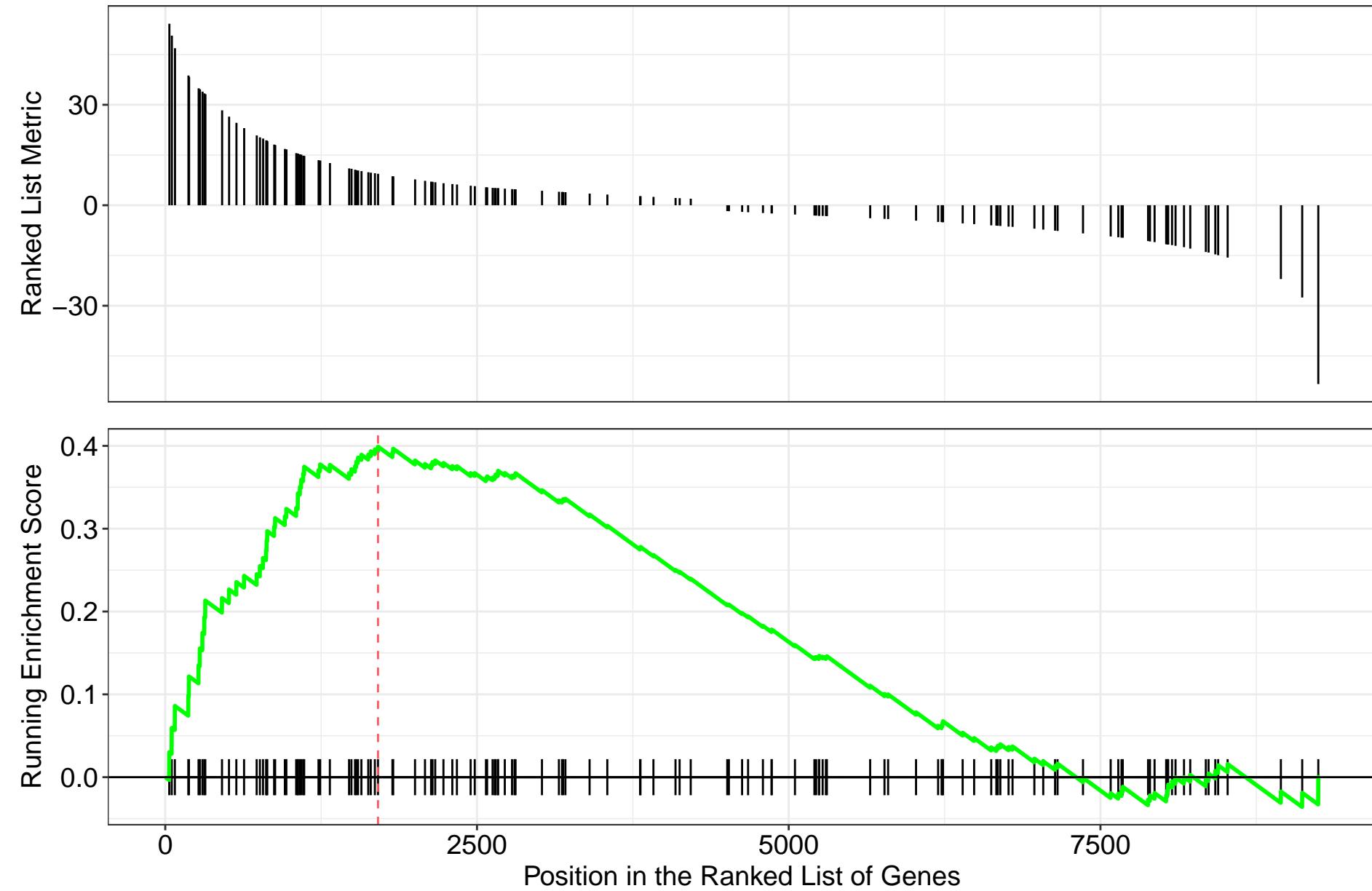
protein secretion



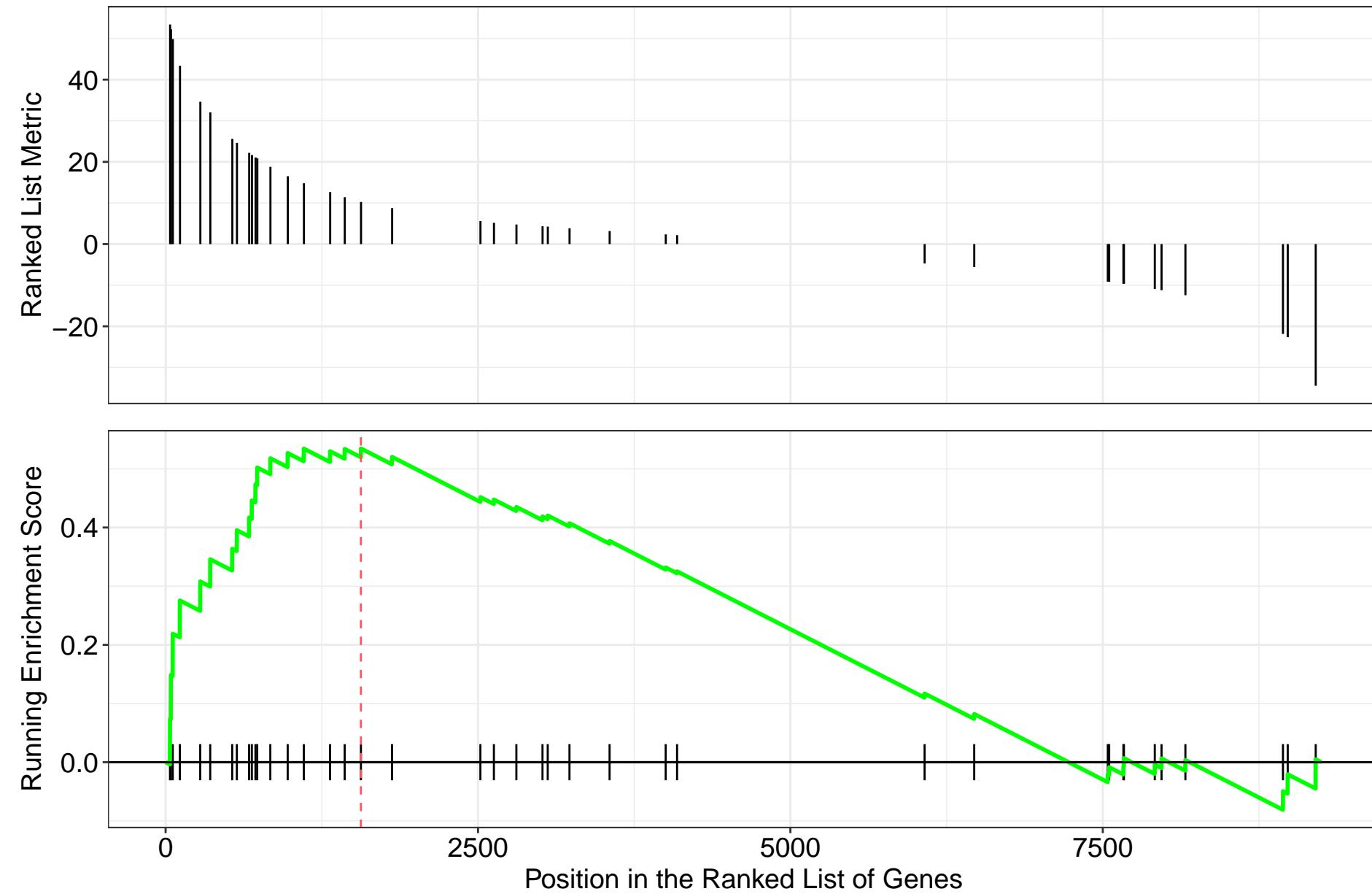
establishment of protein localization to extracellular region



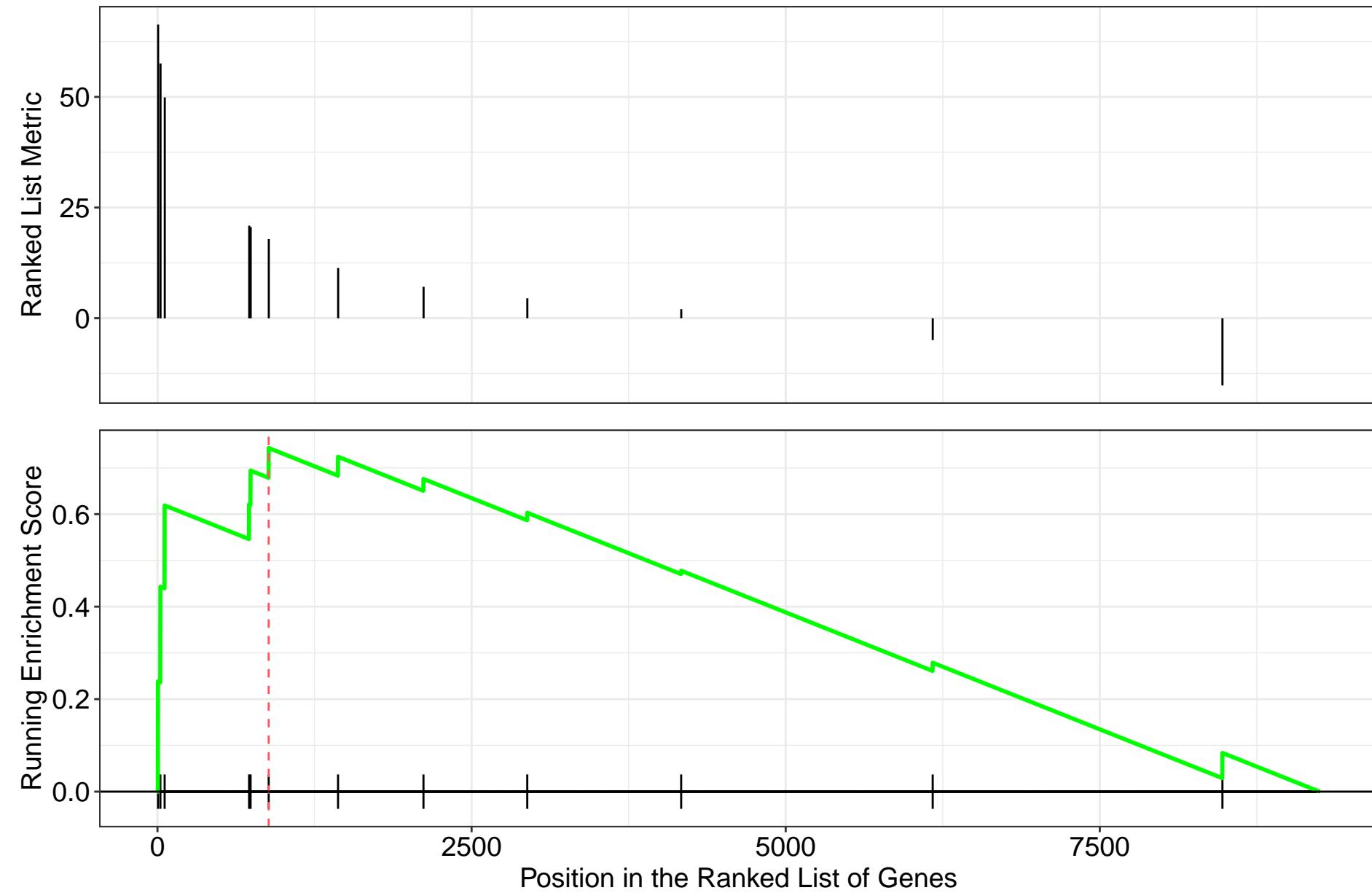
stress-activated MAPK cascade



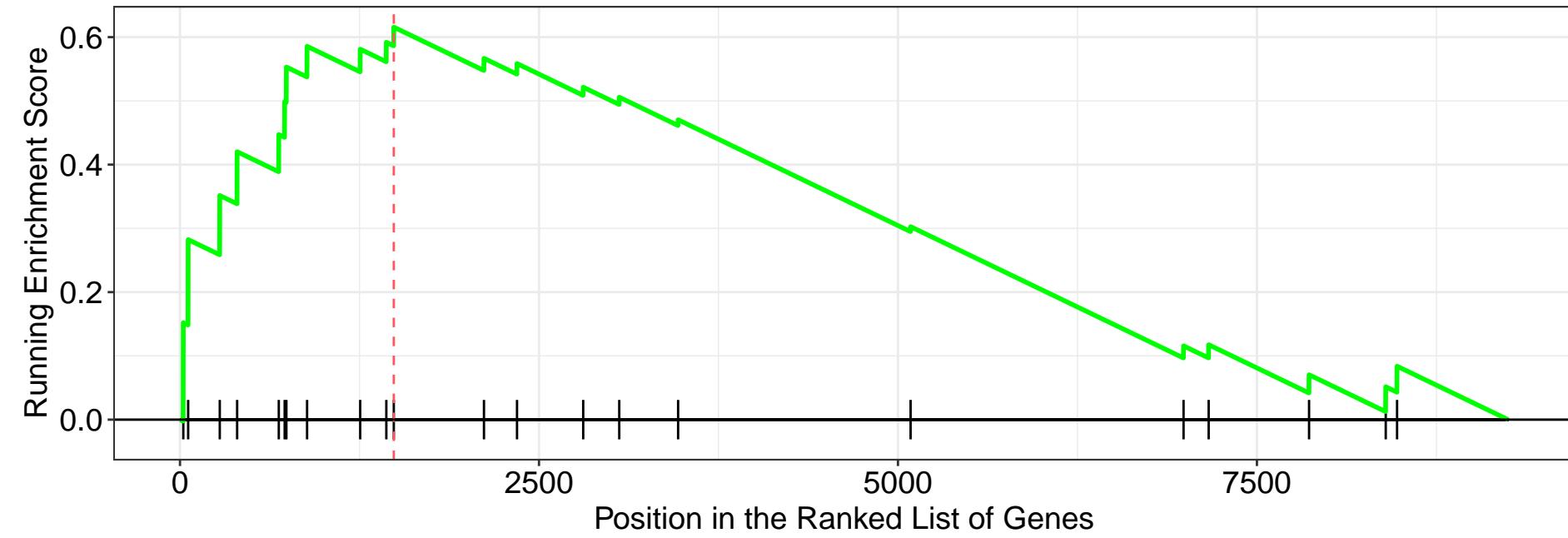
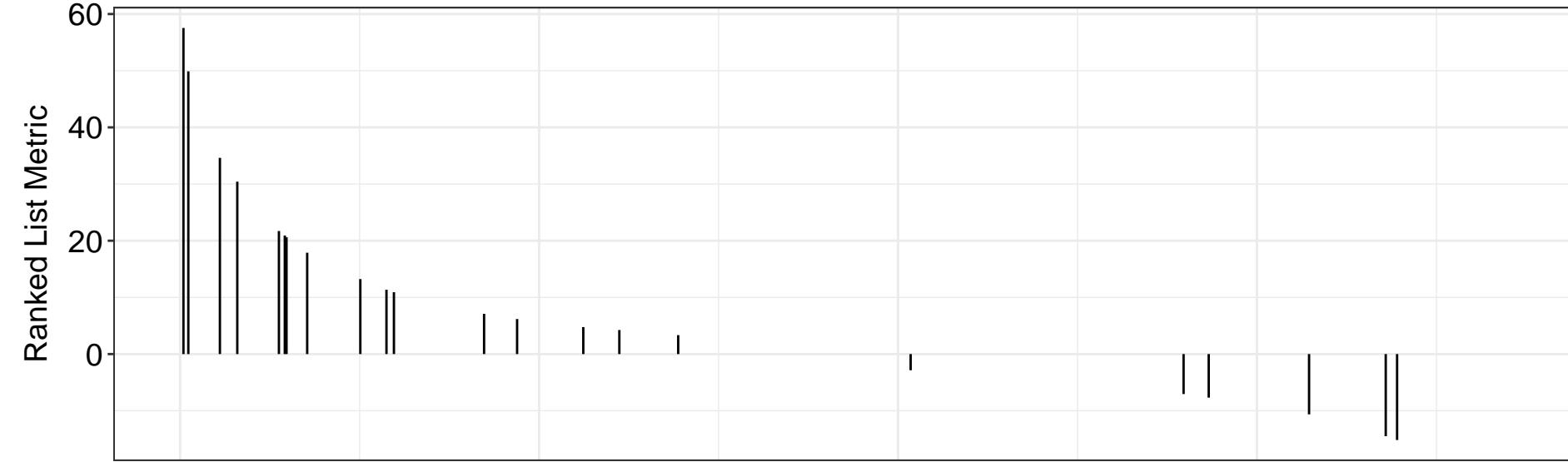
inflammatory response to antigenic stimulus



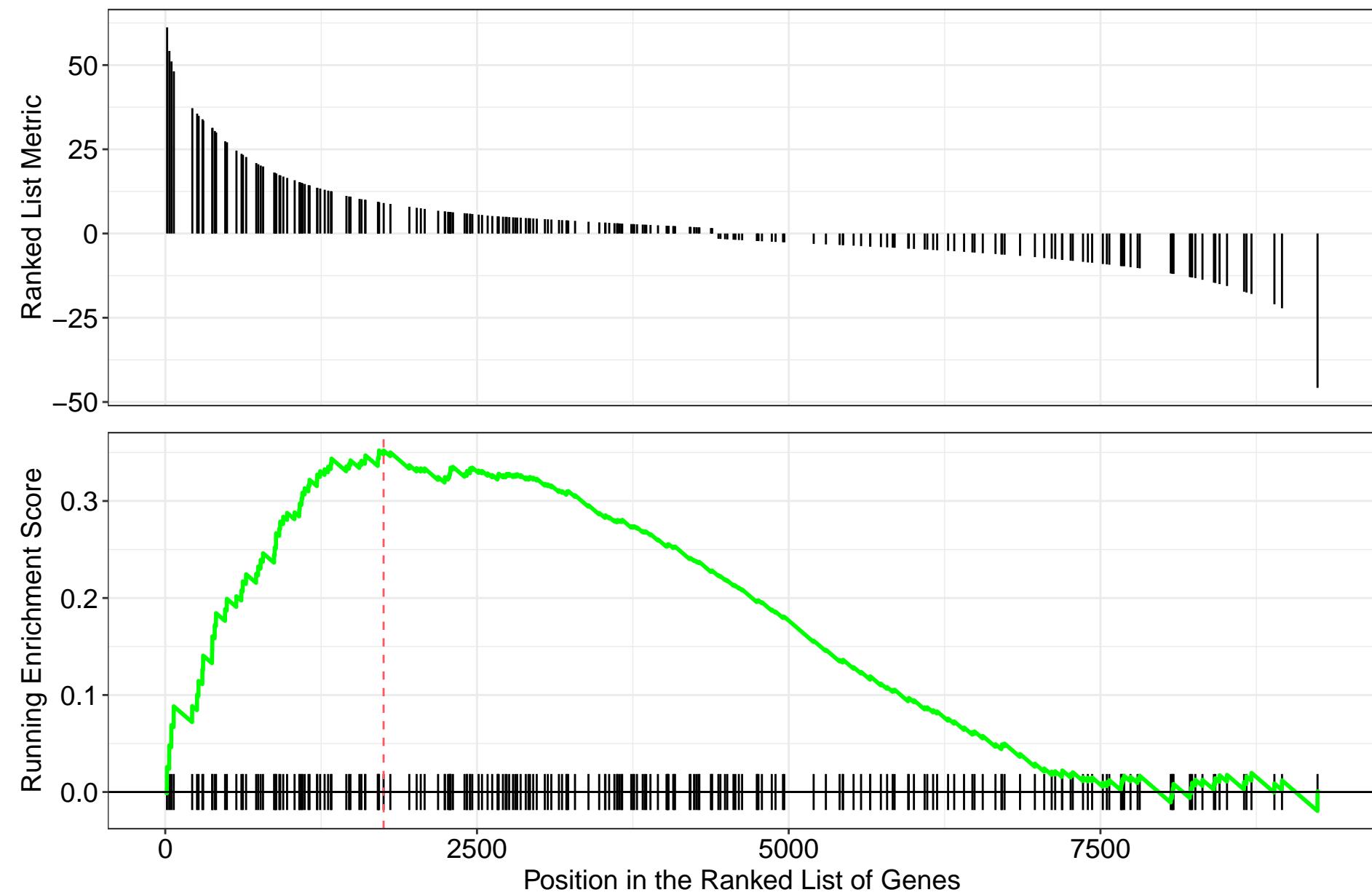
NK T cell proliferation



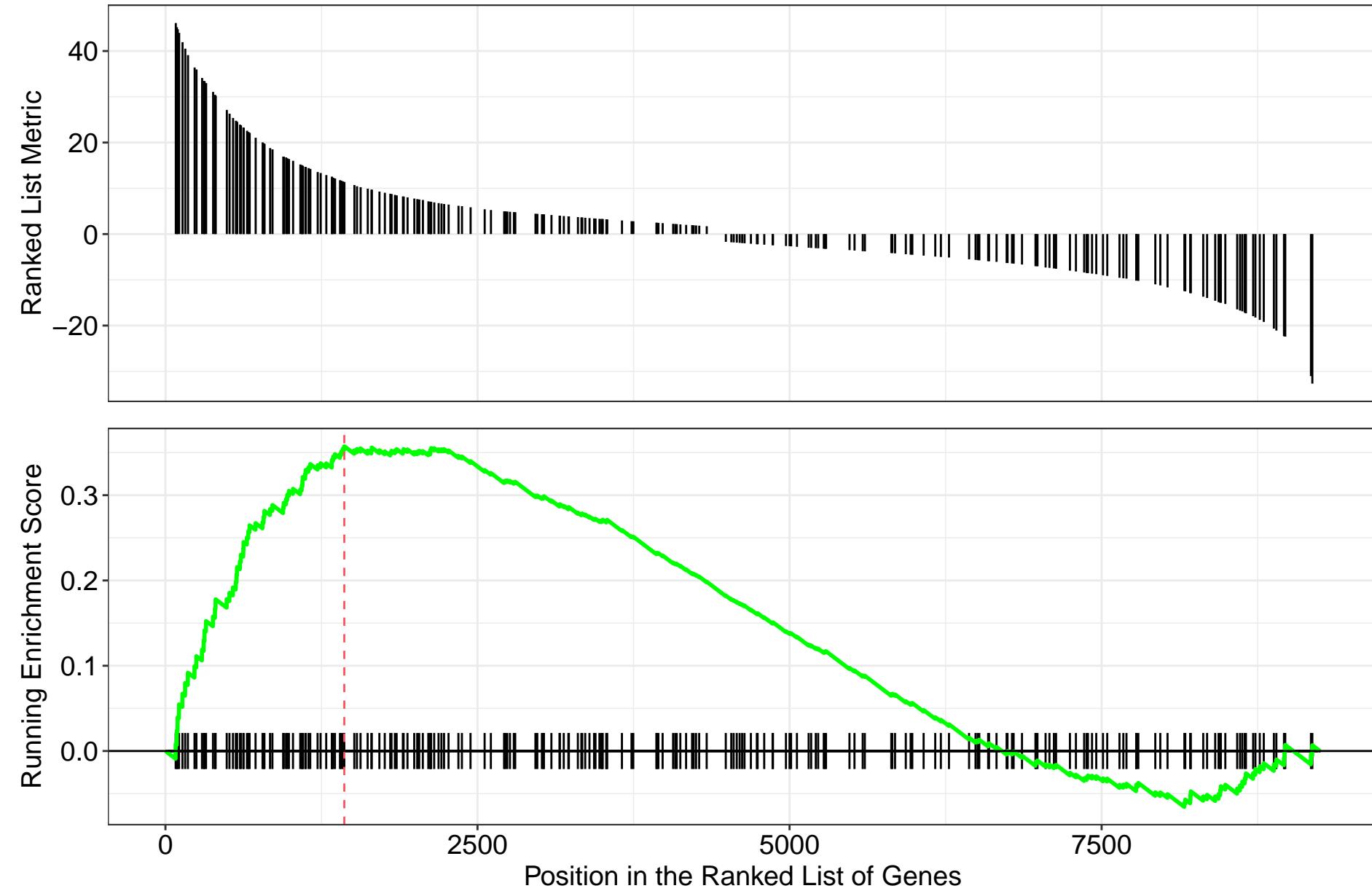
positive regulation of natural killer cell activation



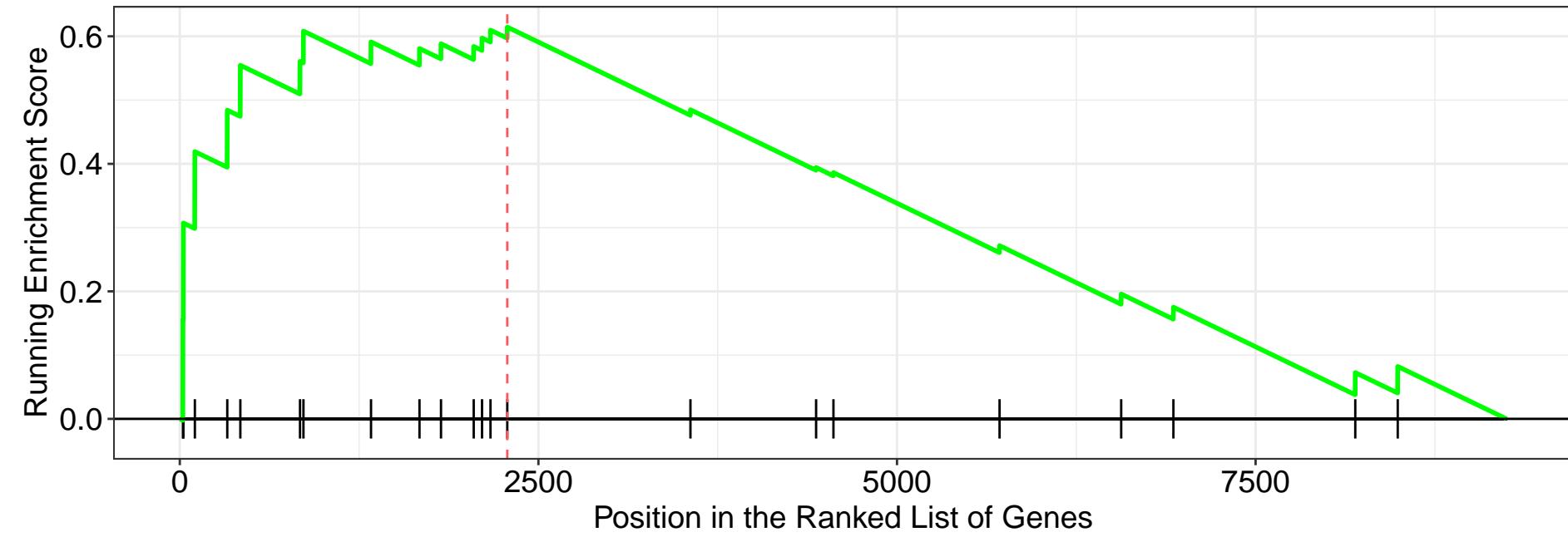
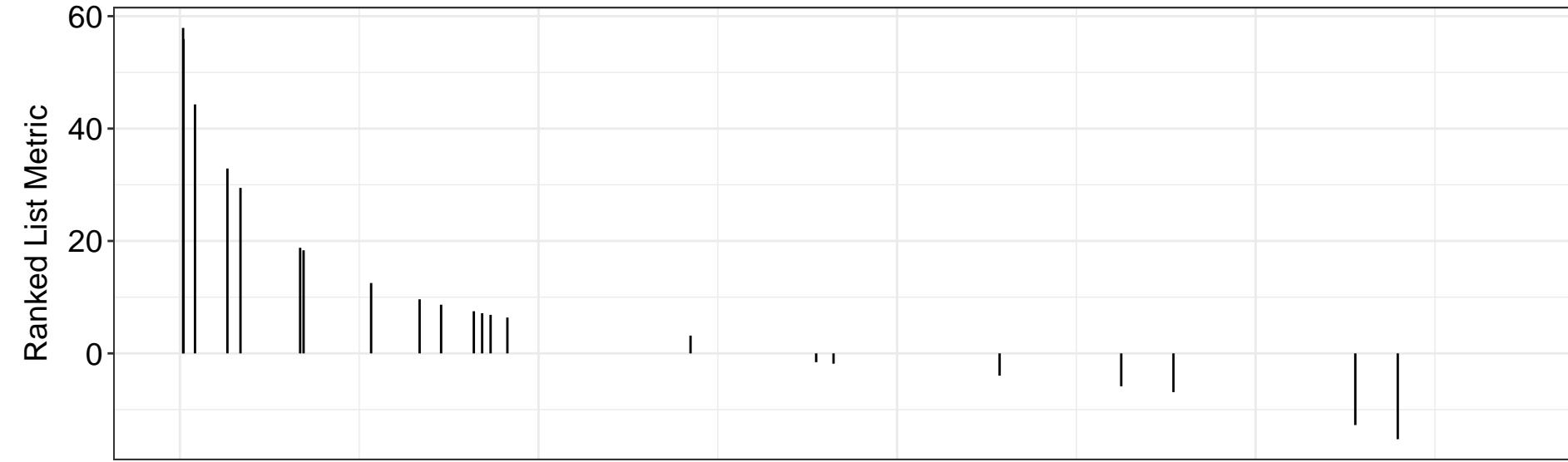
regulation of apoptotic signaling pathway



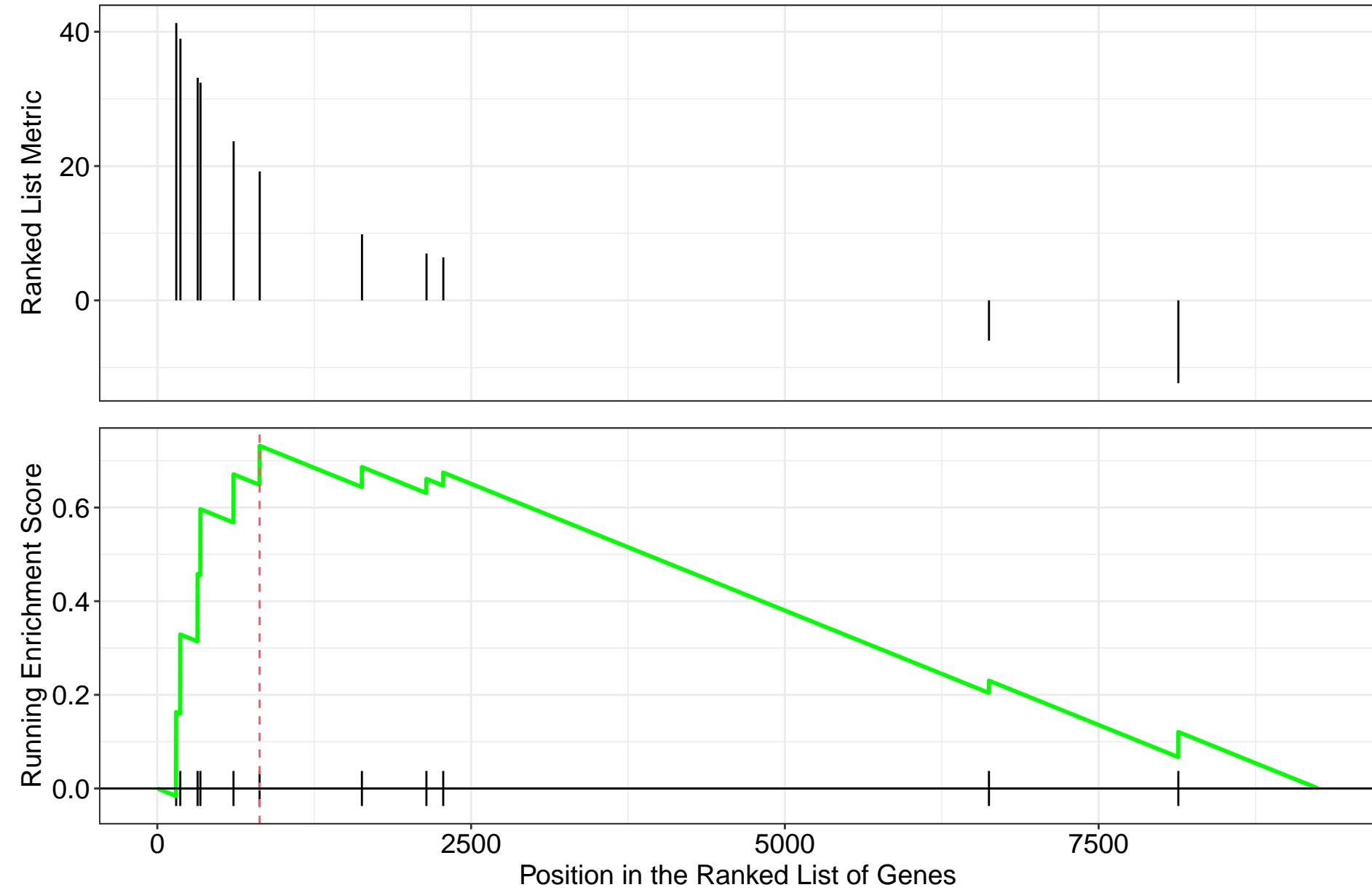
morphogenesis of an epithelium



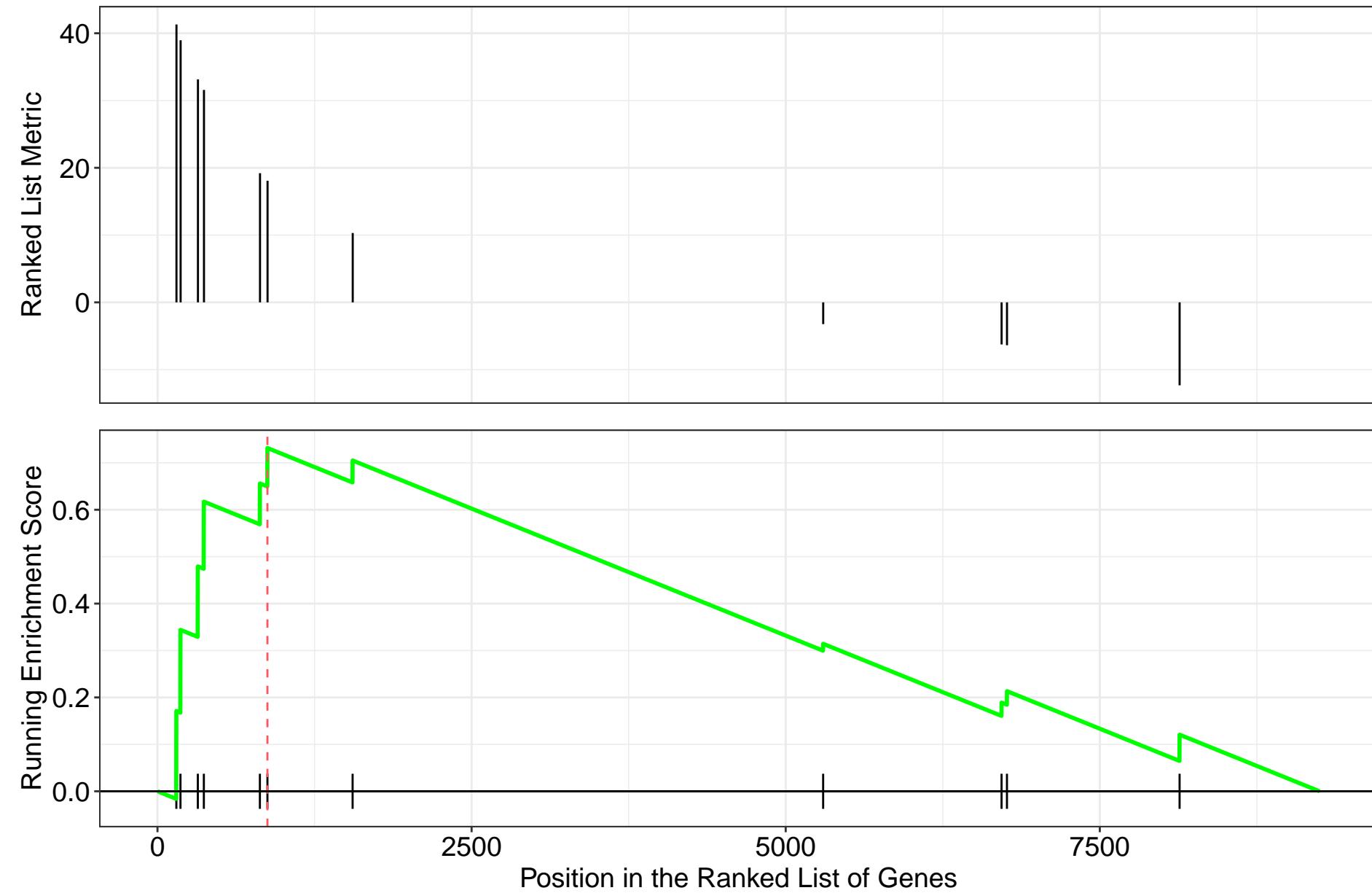
positive regulation of leukocyte apoptotic process



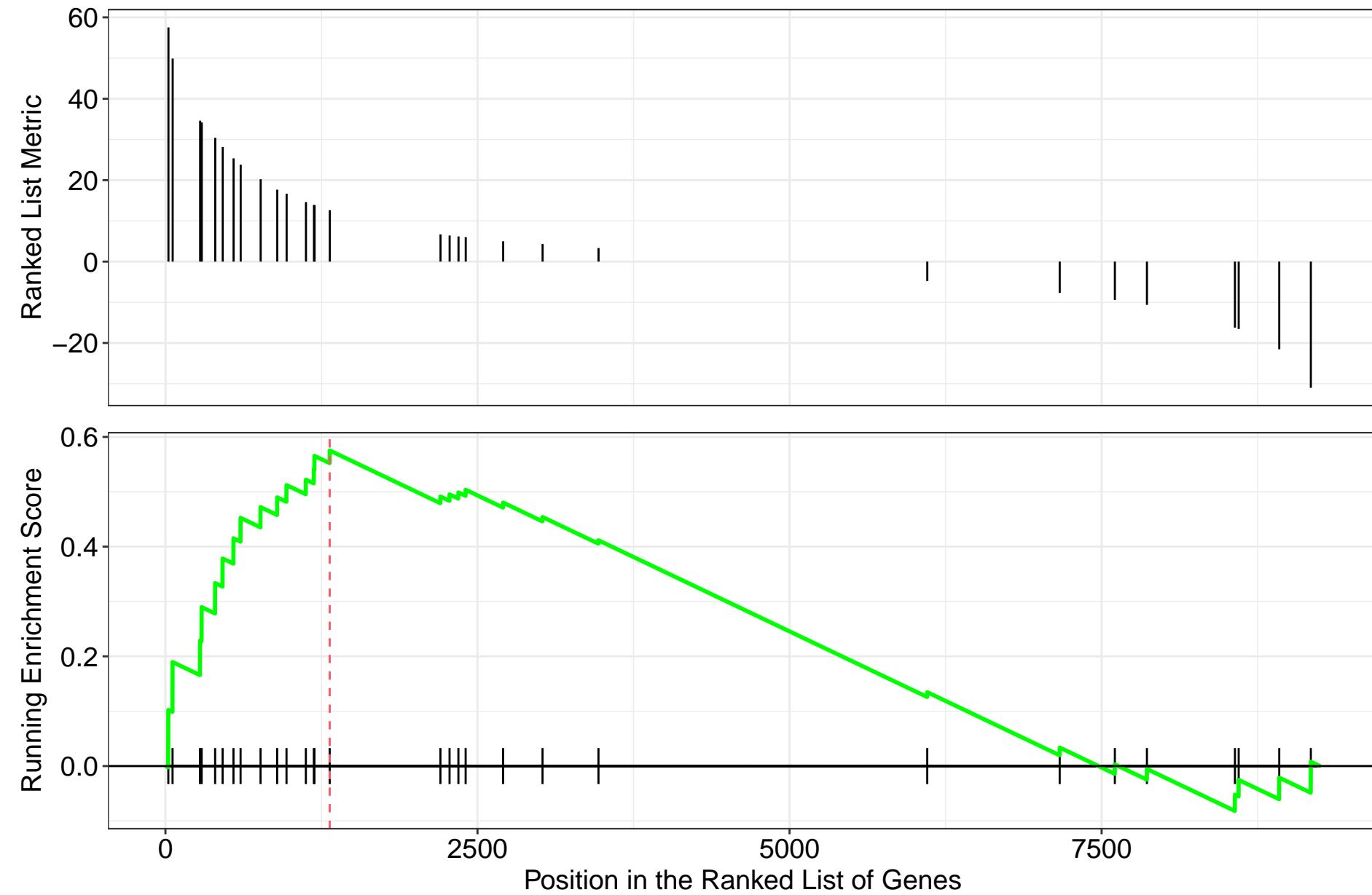
negative regulation of leukocyte chemotaxis



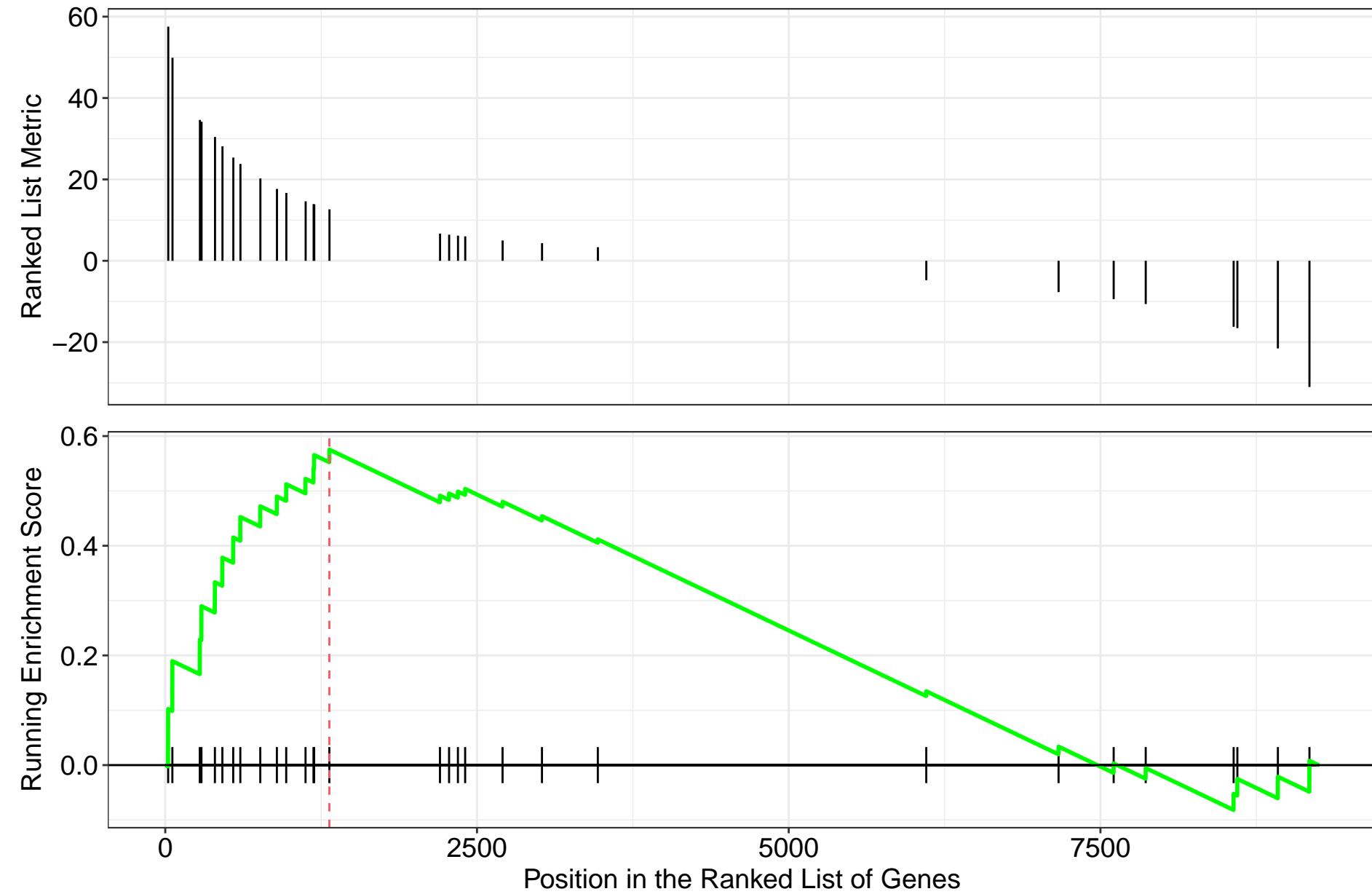
negative regulation of mononuclear cell migration



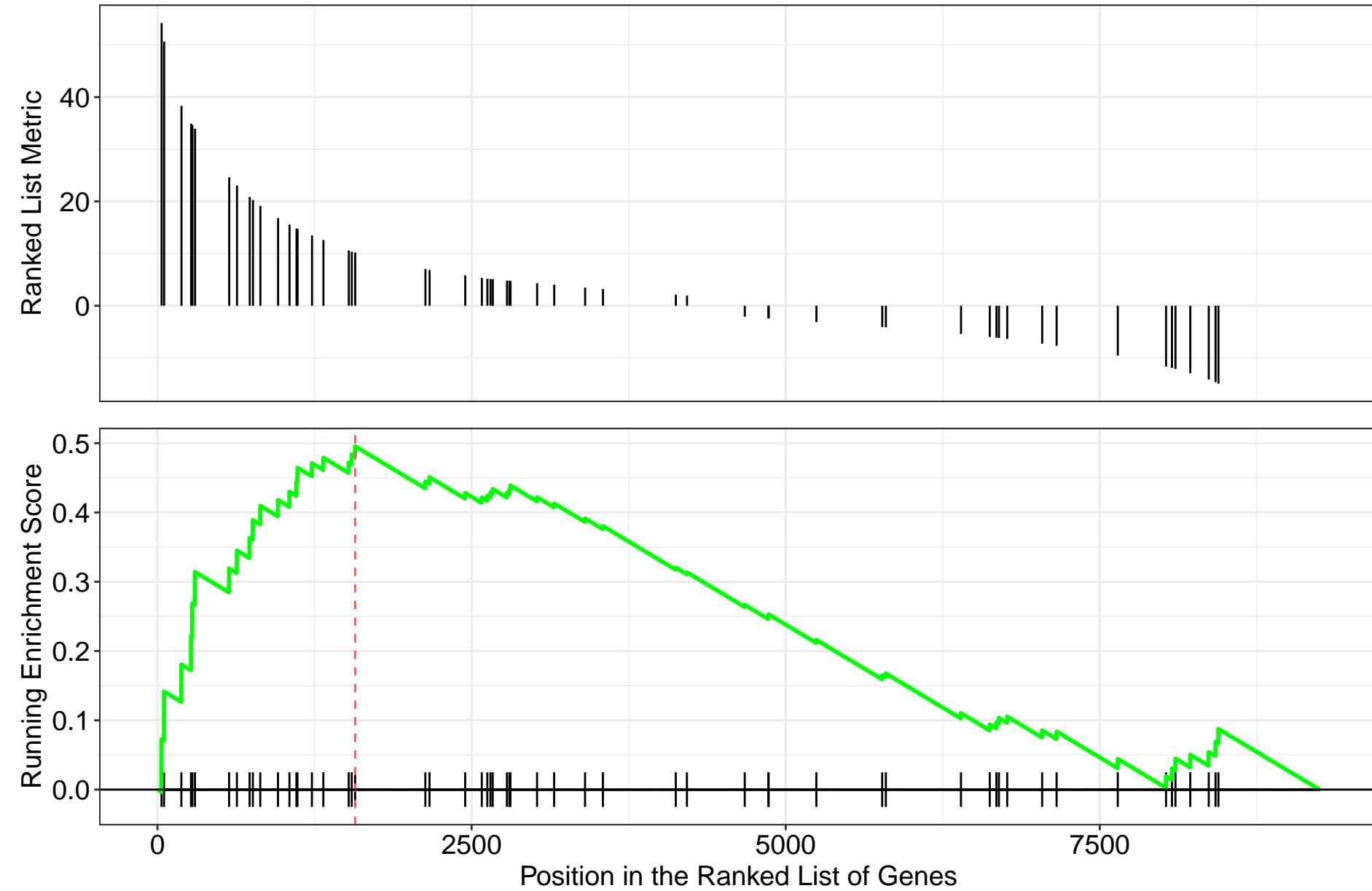
regulation of natural killer cell mediated immunity



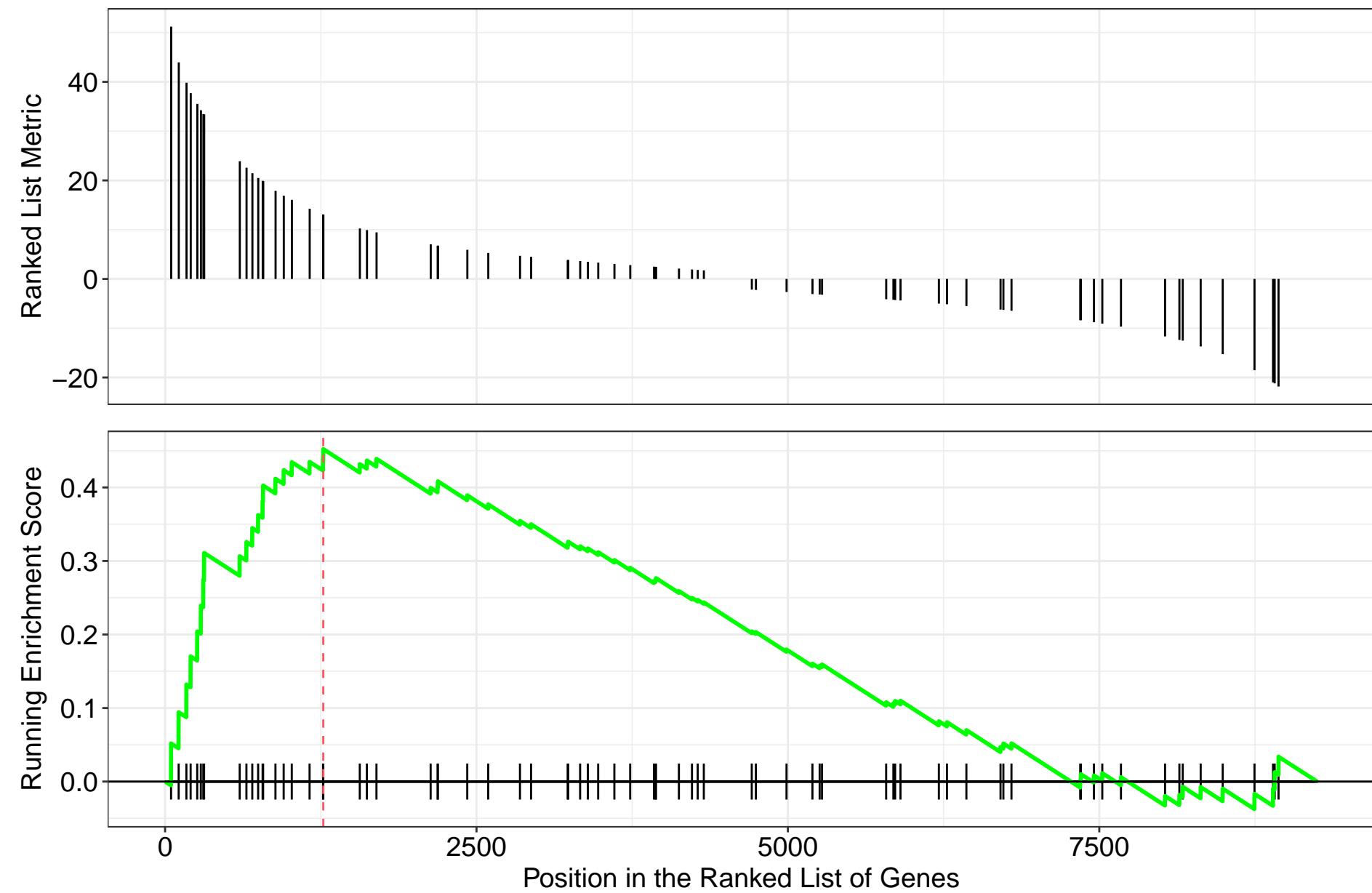
regulation of natural killer cell mediated cytotoxicity



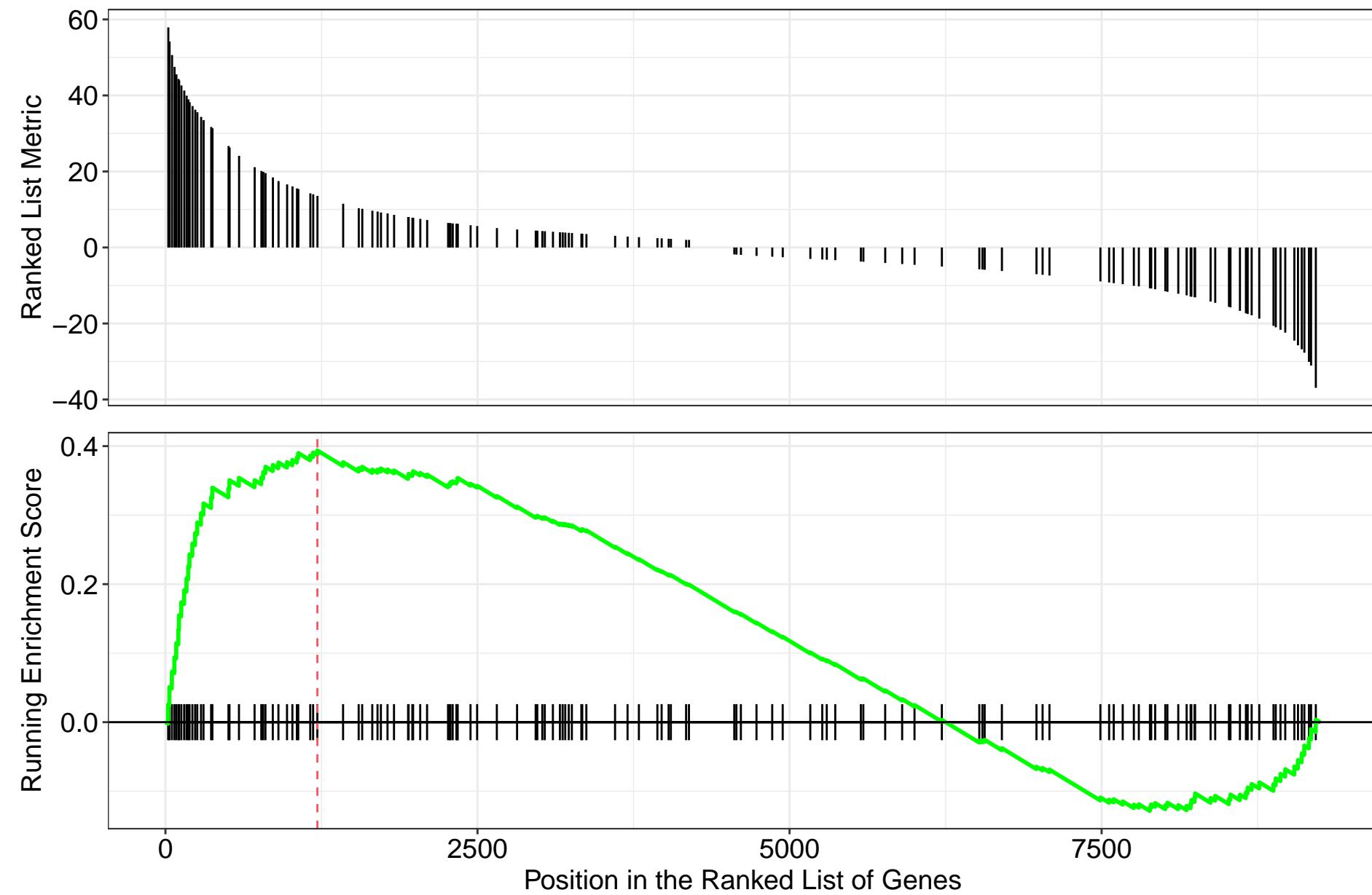
positive regulation of JNK cascade



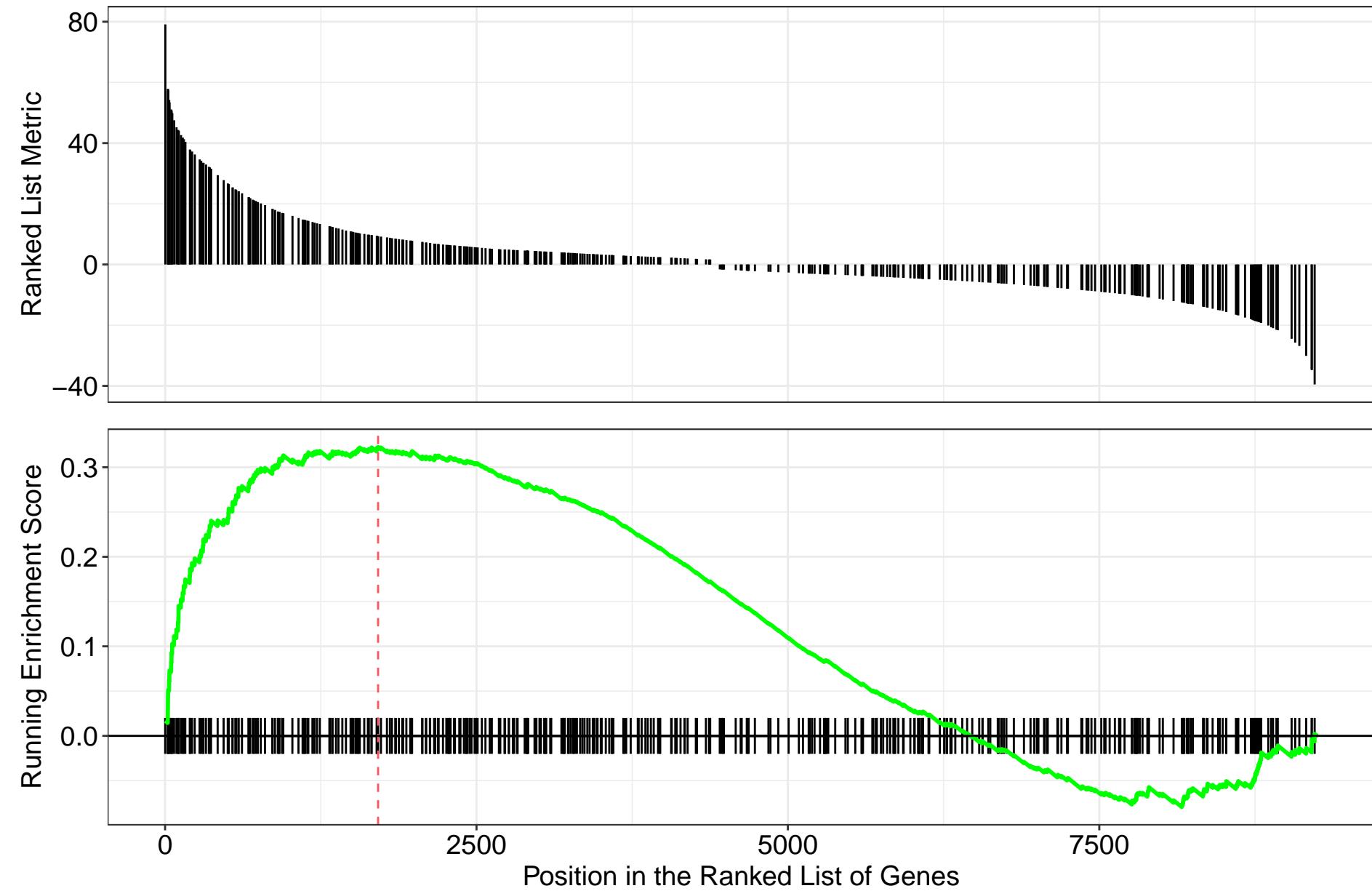
cardiocyte differentiation



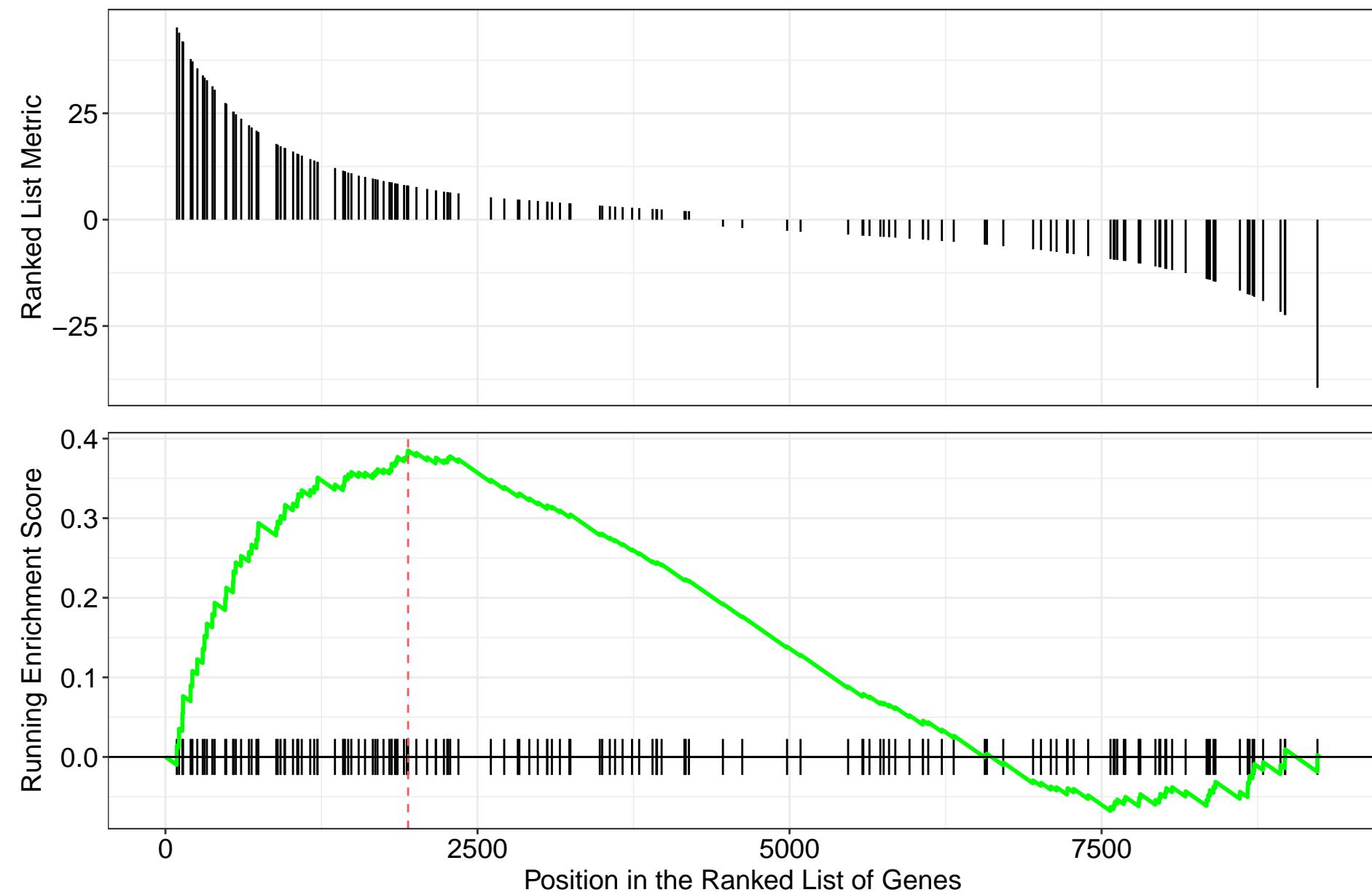
positive regulation of ion transport



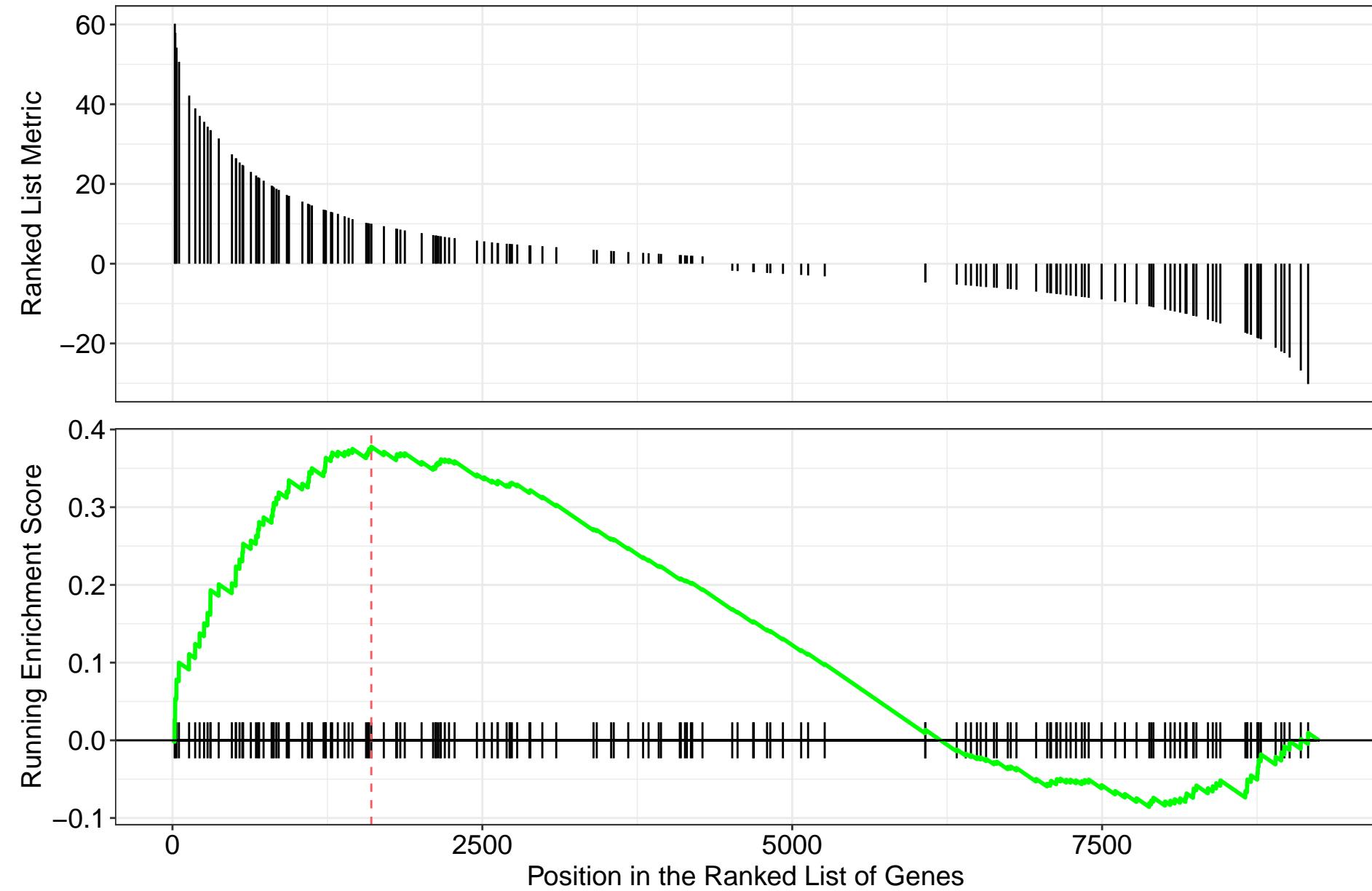
secretion by cell



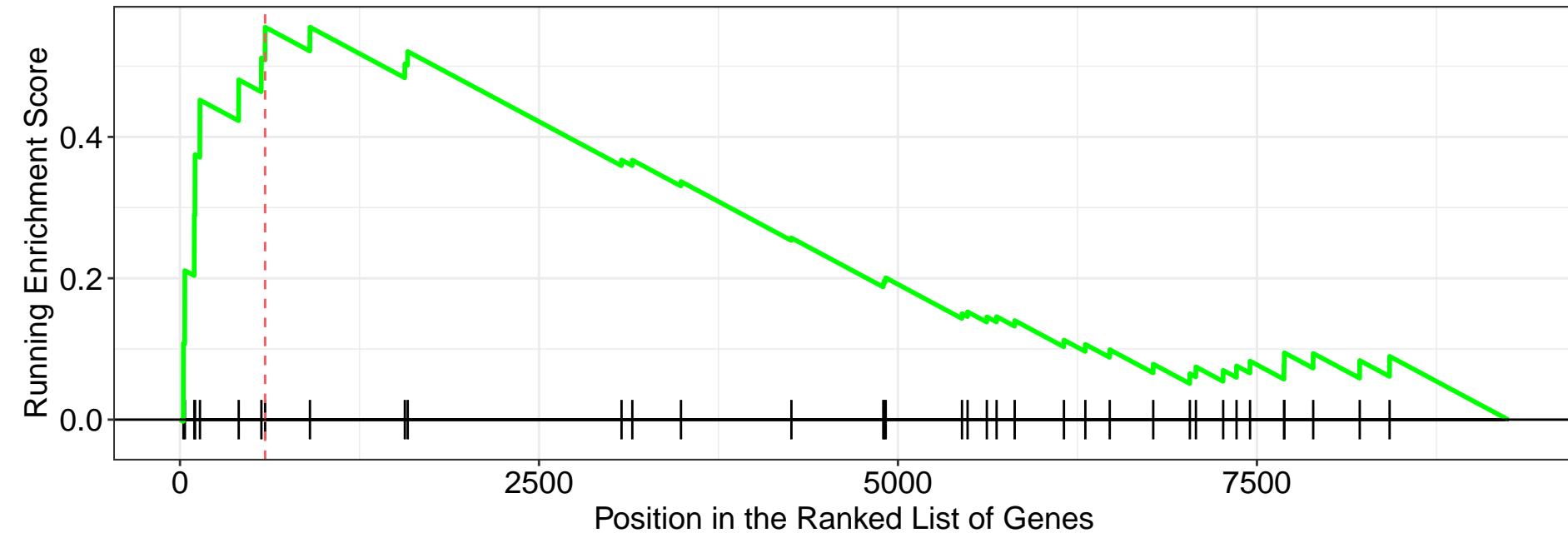
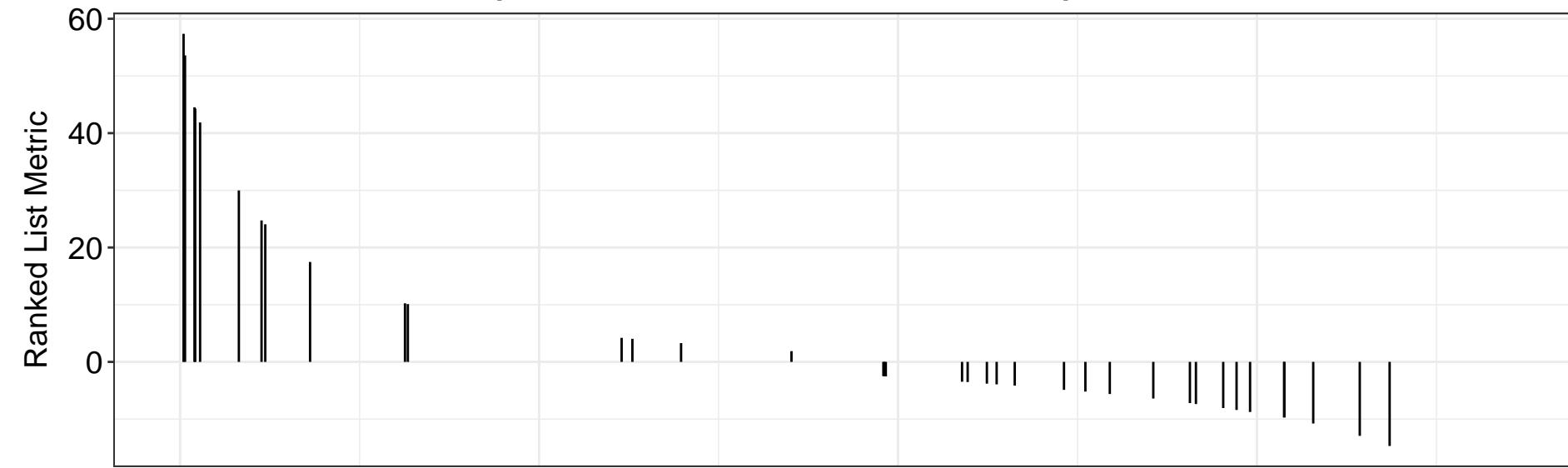
regulation of body fluid levels



regulation of vasculature development



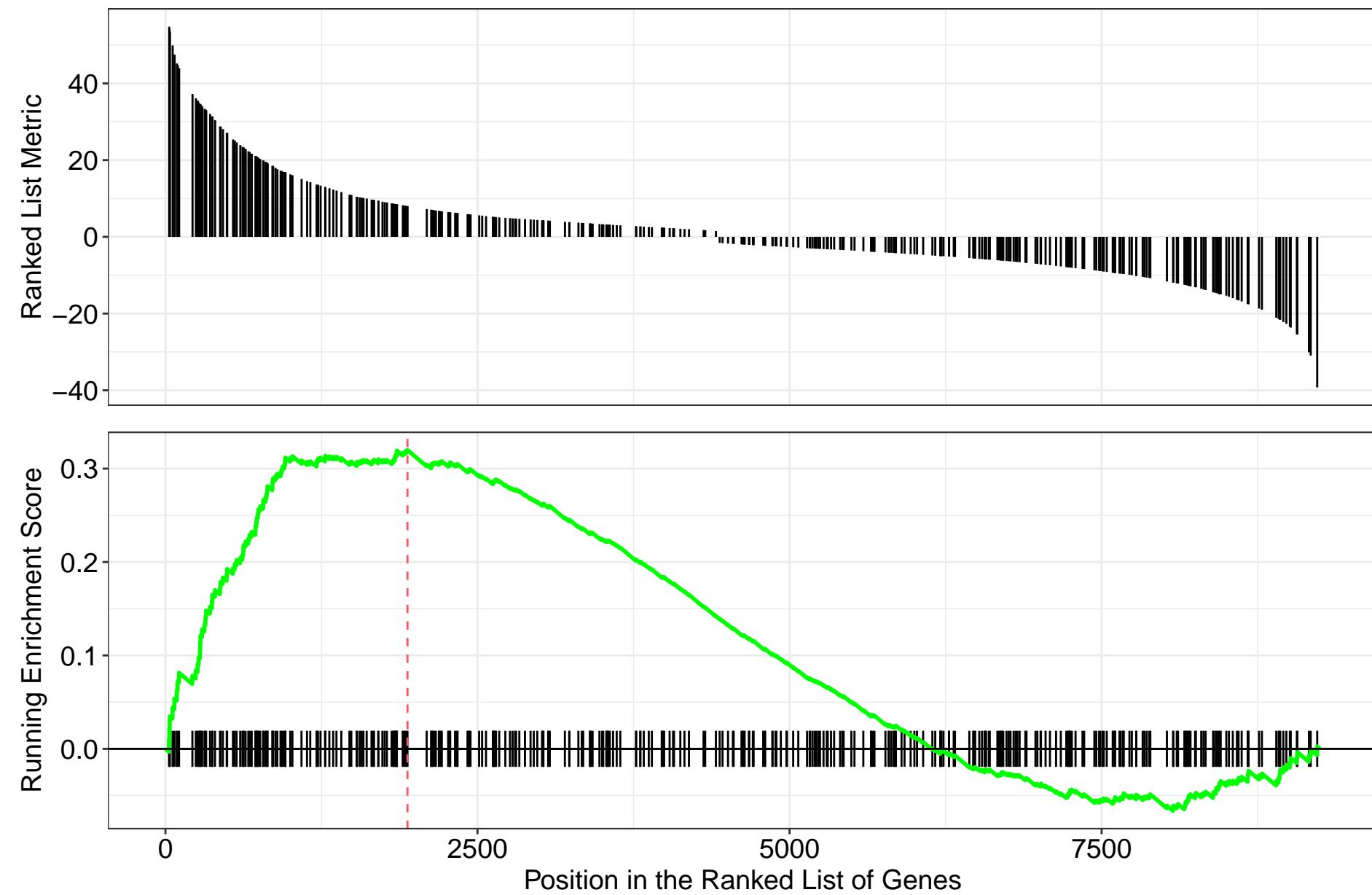
alpha–amino acid catabolic process



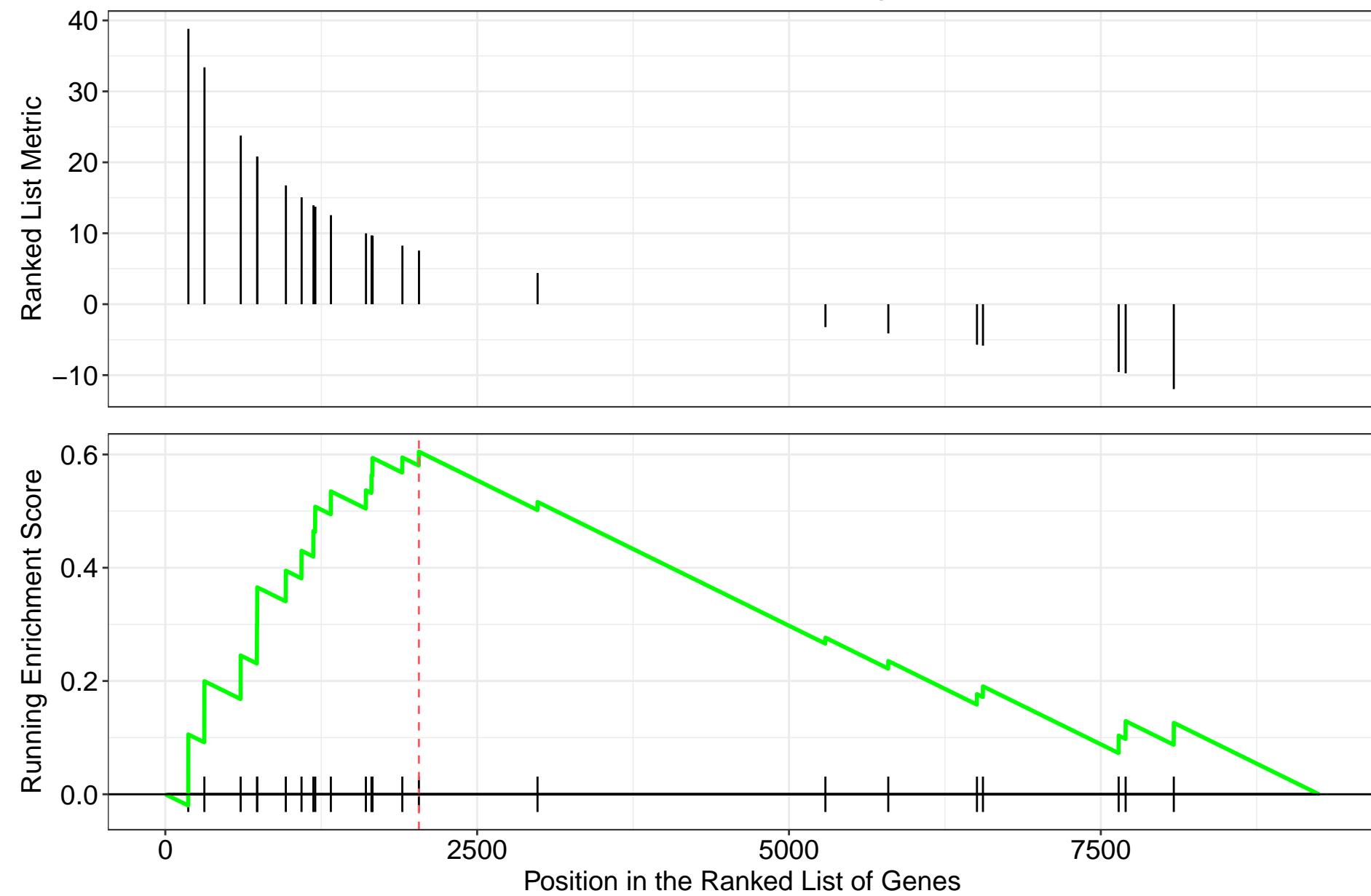
epidermal cell differentiation



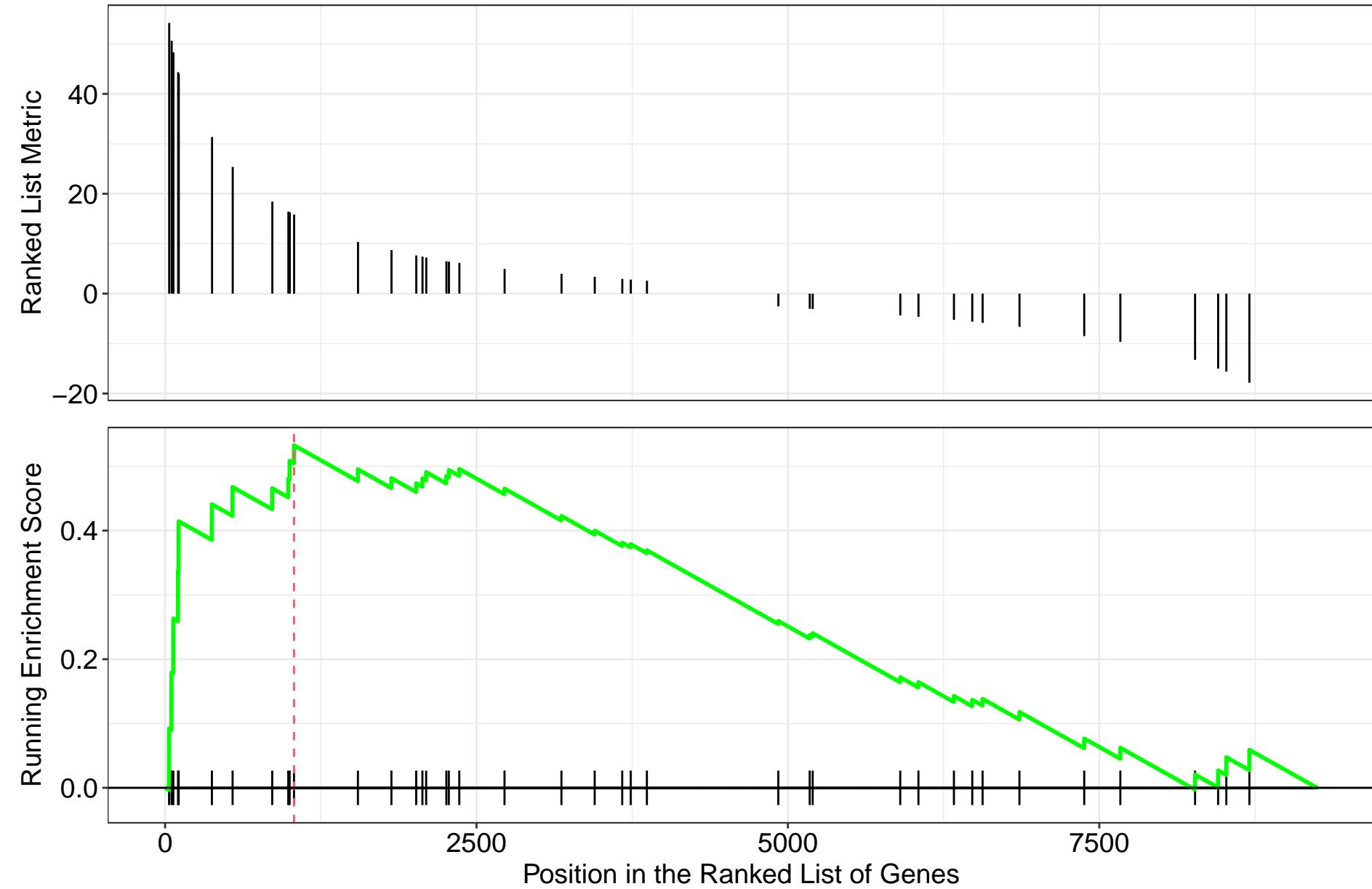
regulation of kinase activity



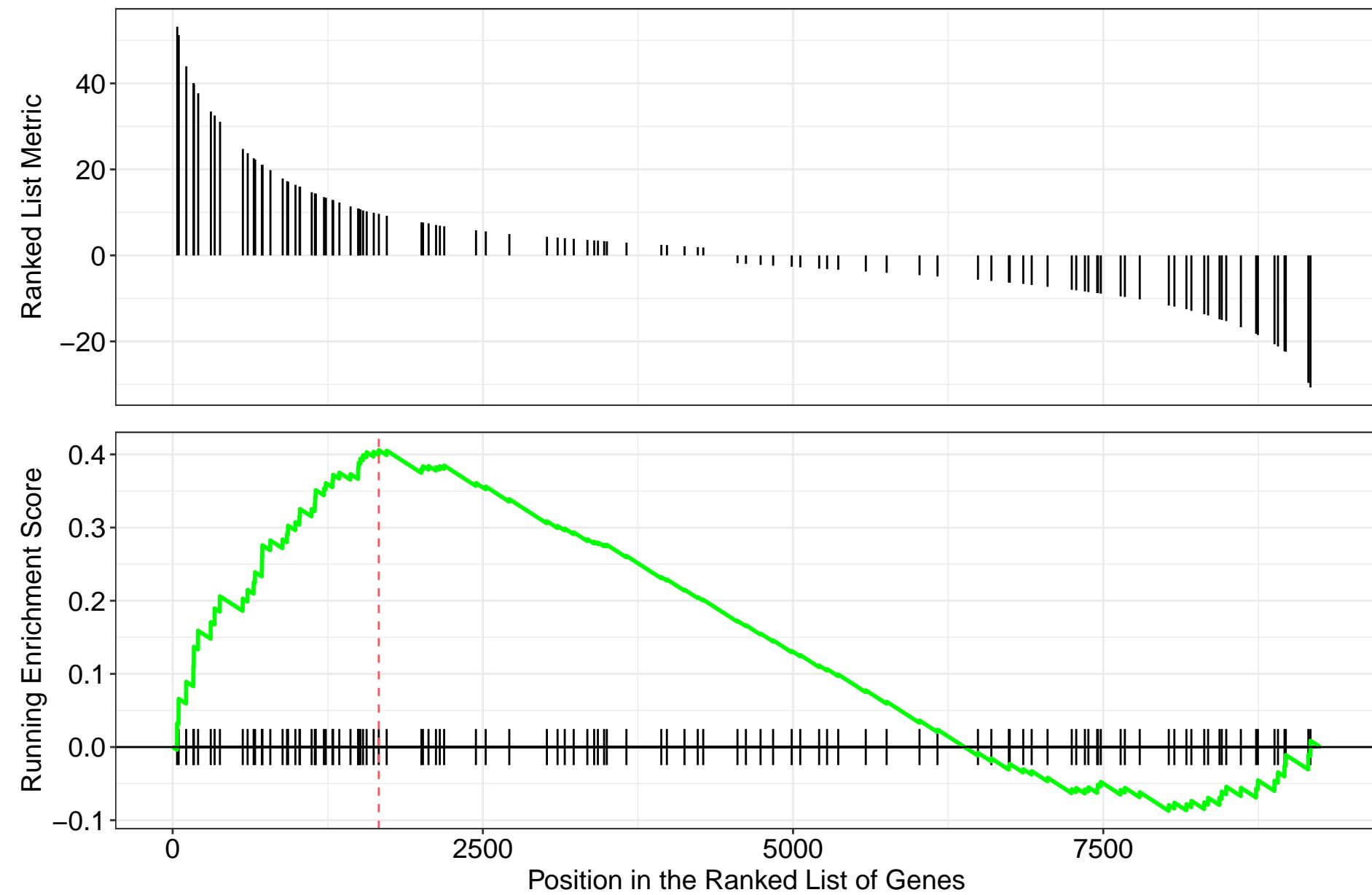
epithelial cell morphogenesis



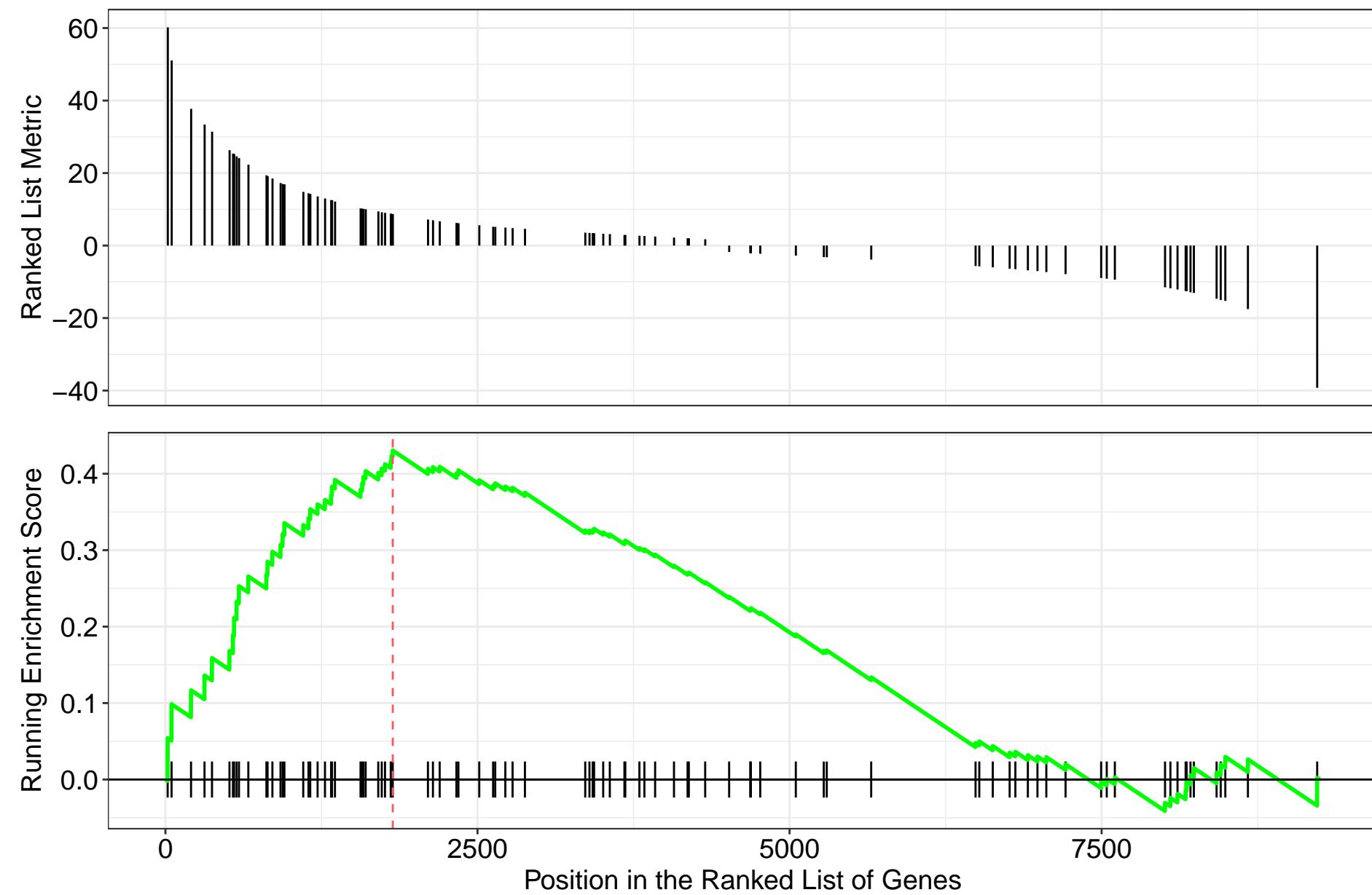
positive regulation of lipid transport



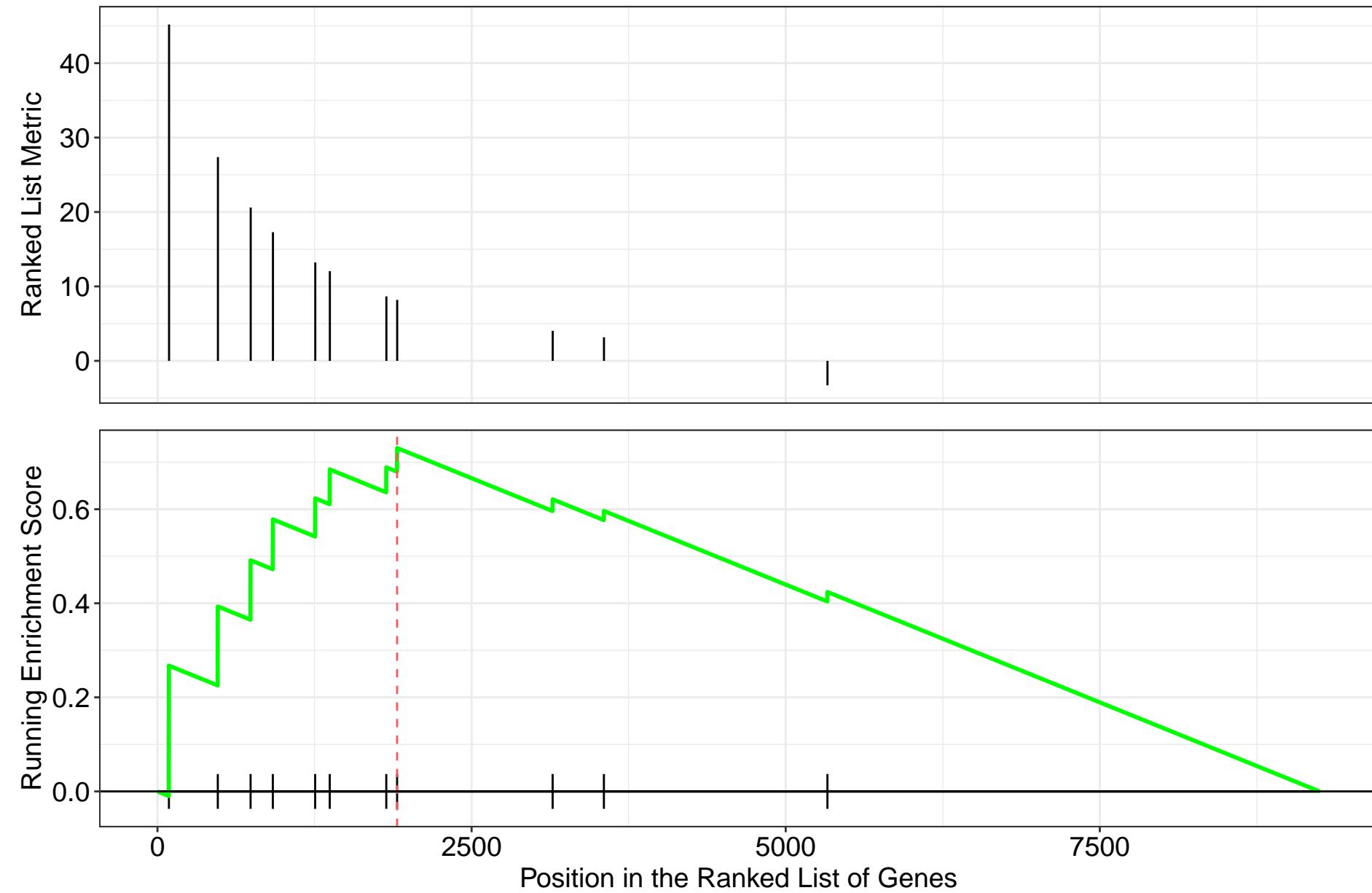
heart morphogenesis



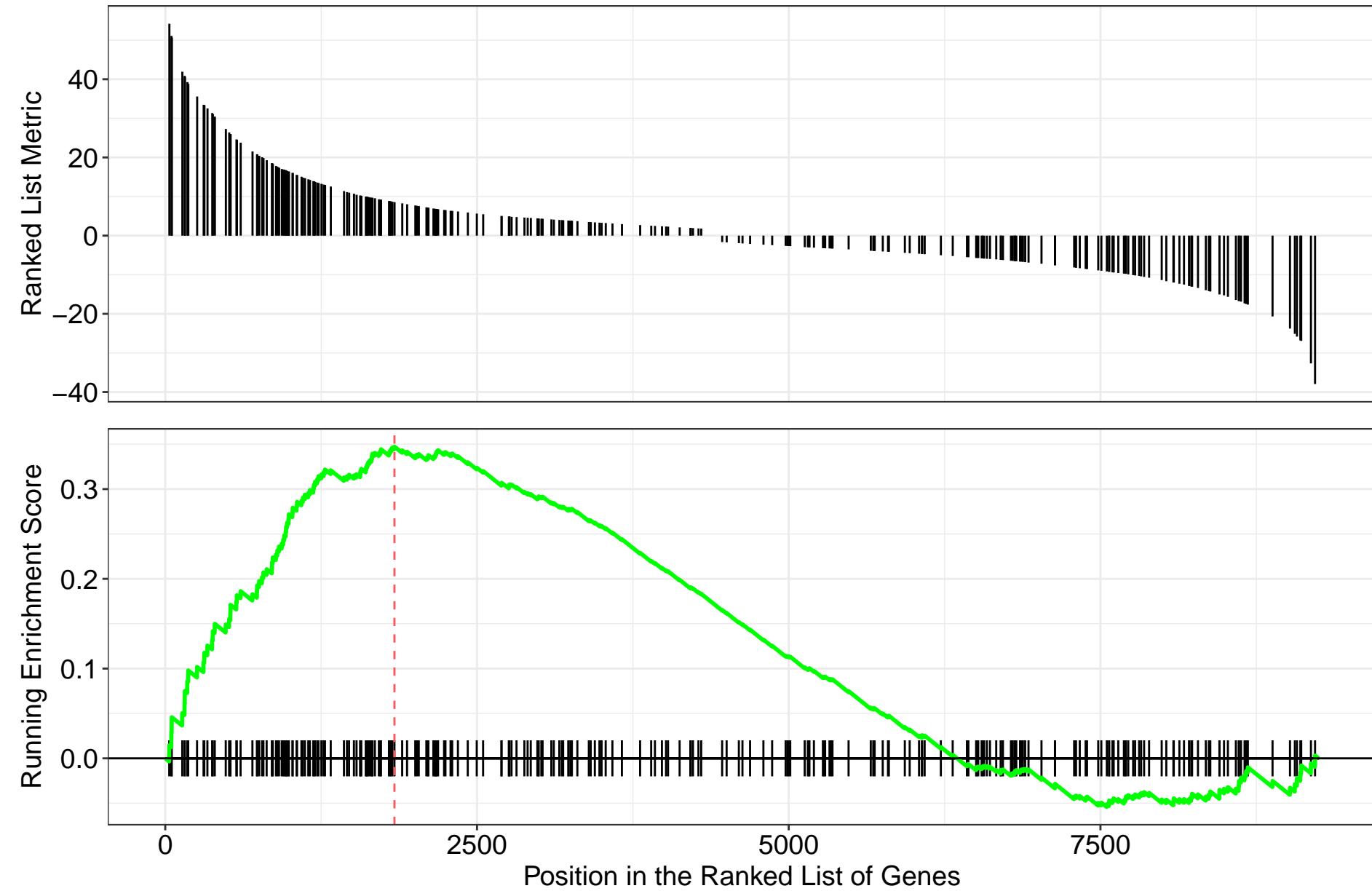
regulation of endothelial cell migration



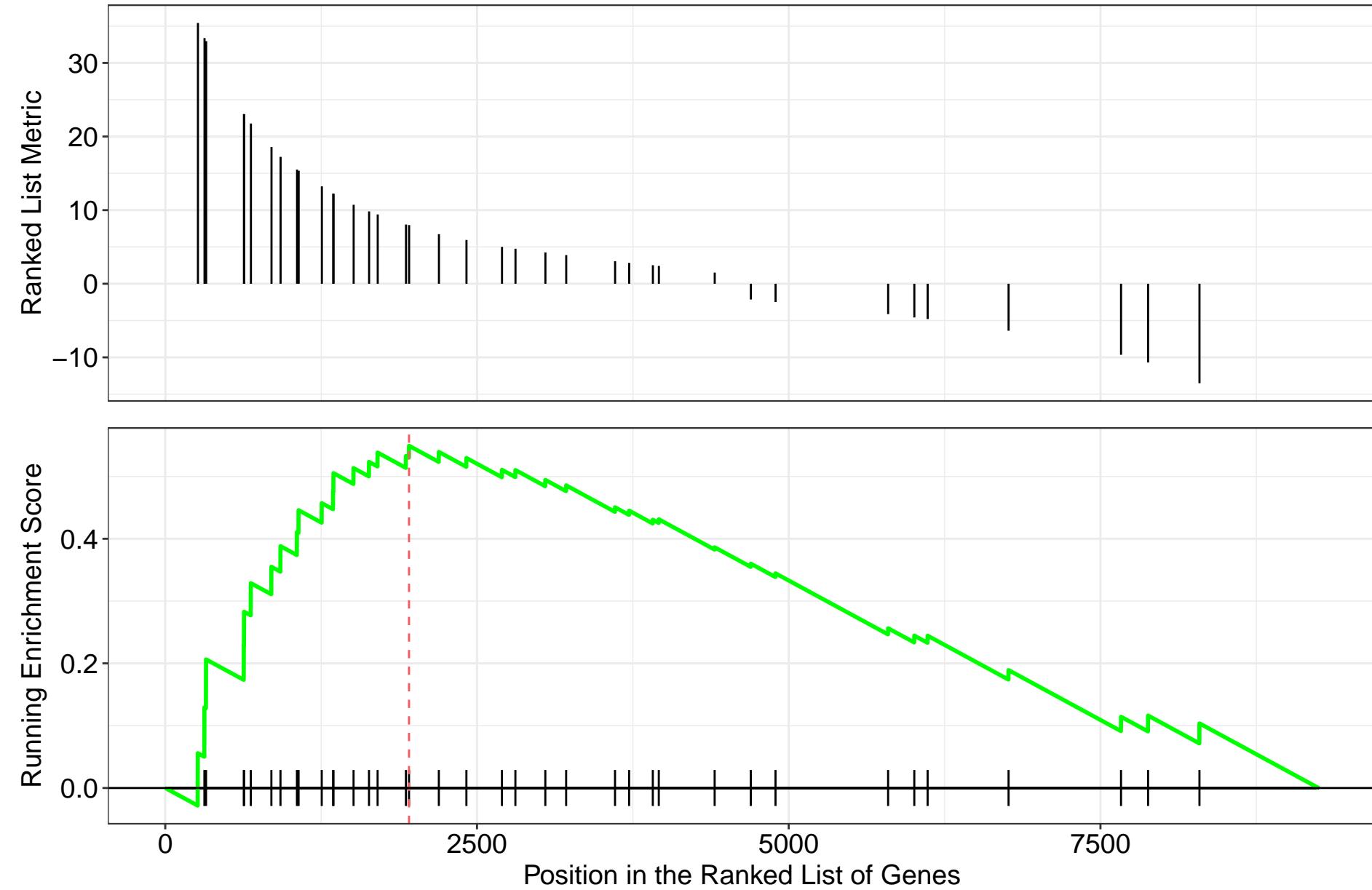
regulation of T-helper 2 cell differentiation



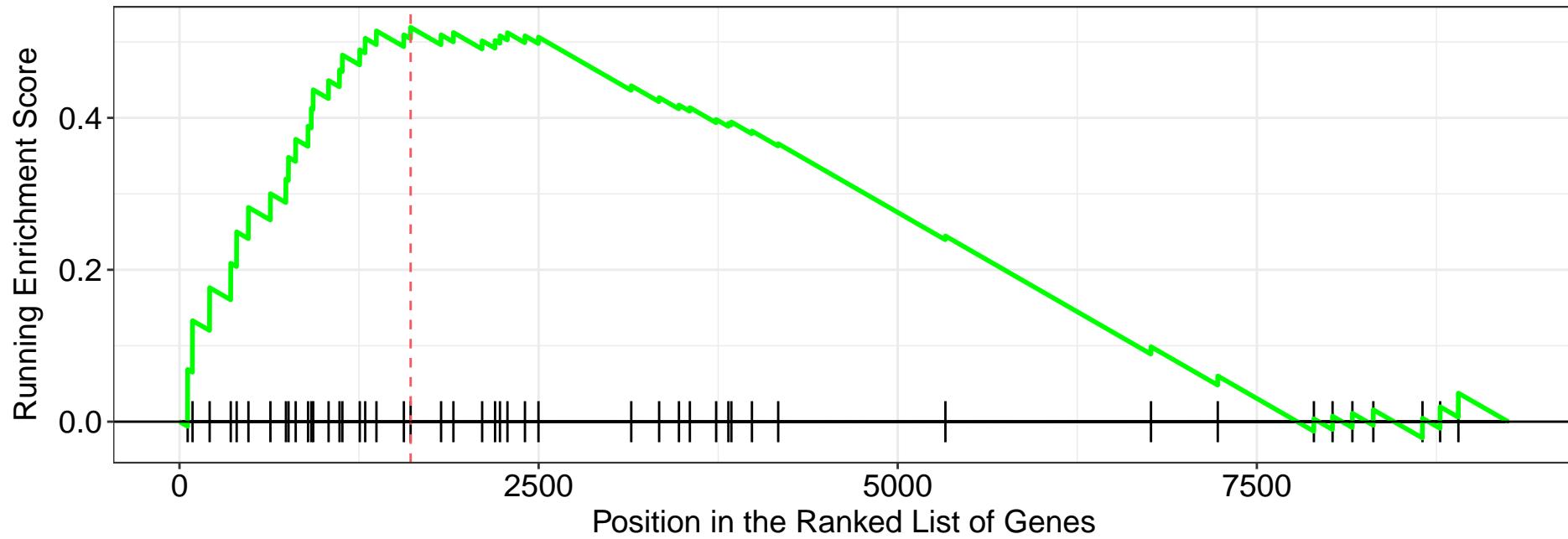
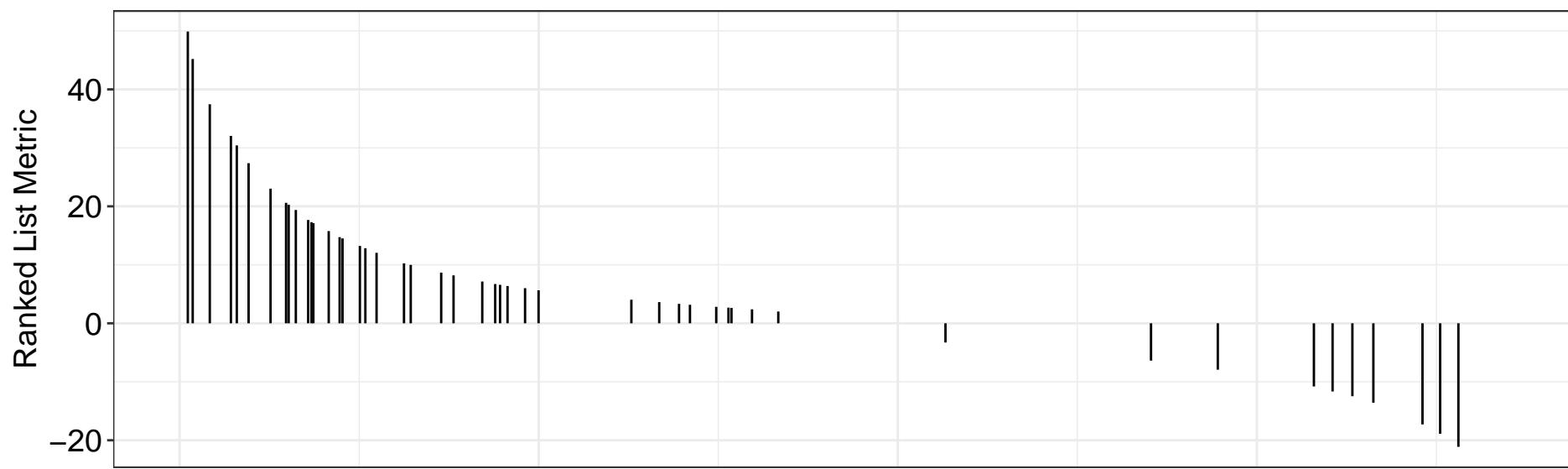
epithelial cell differentiation



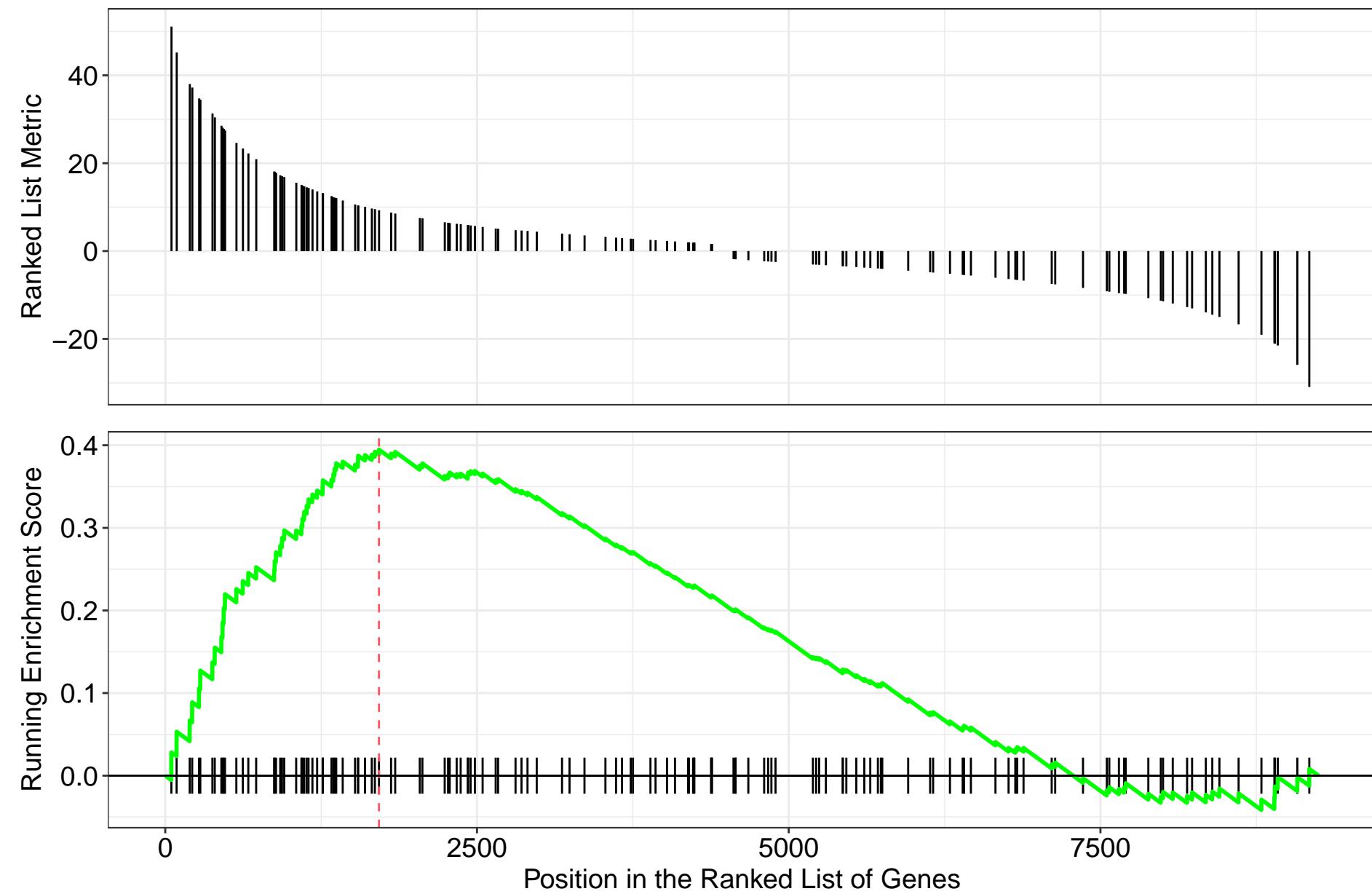
positive regulation of interferon–beta production



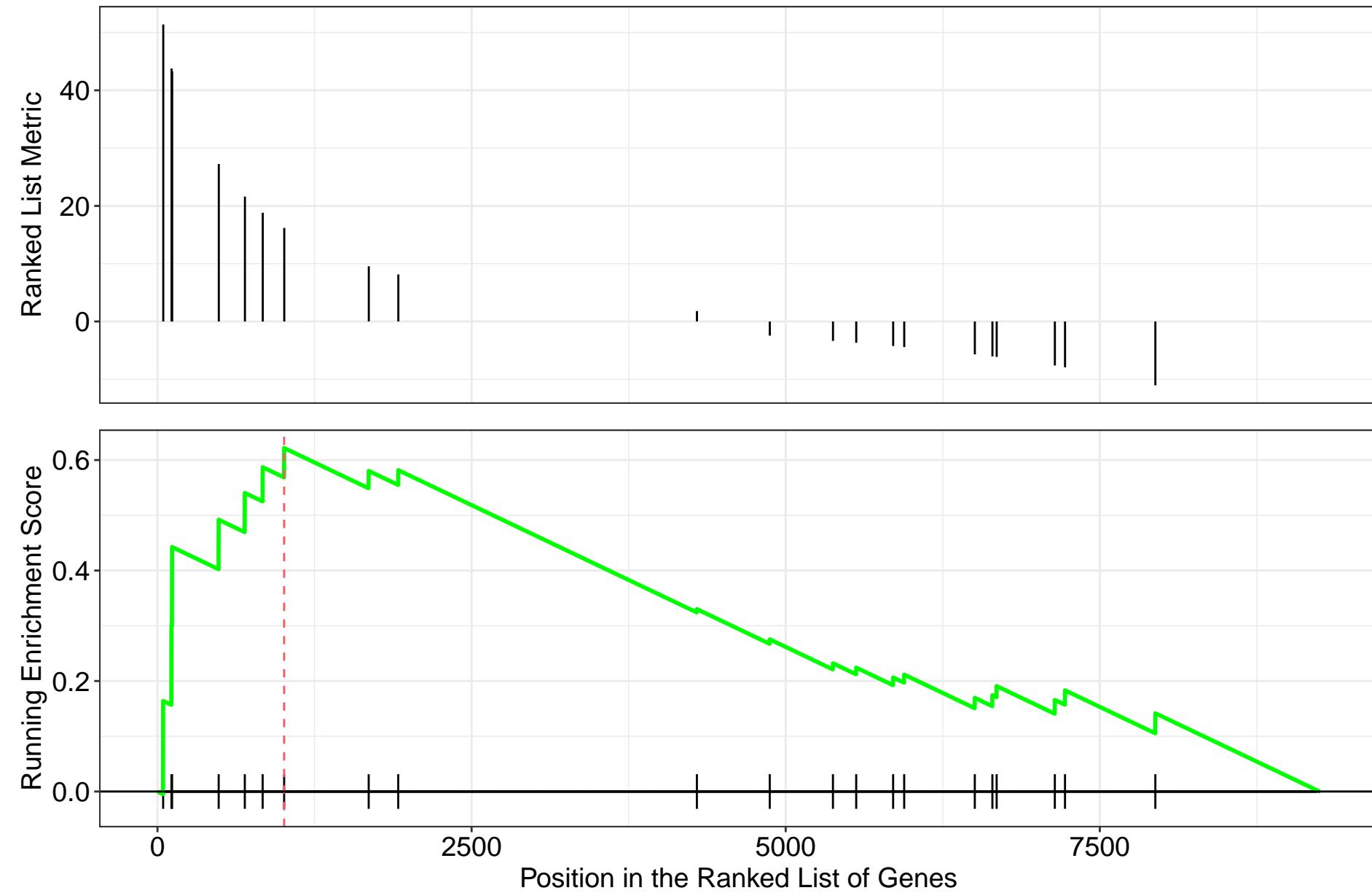
alpha–beta T cell activation involved in immune response



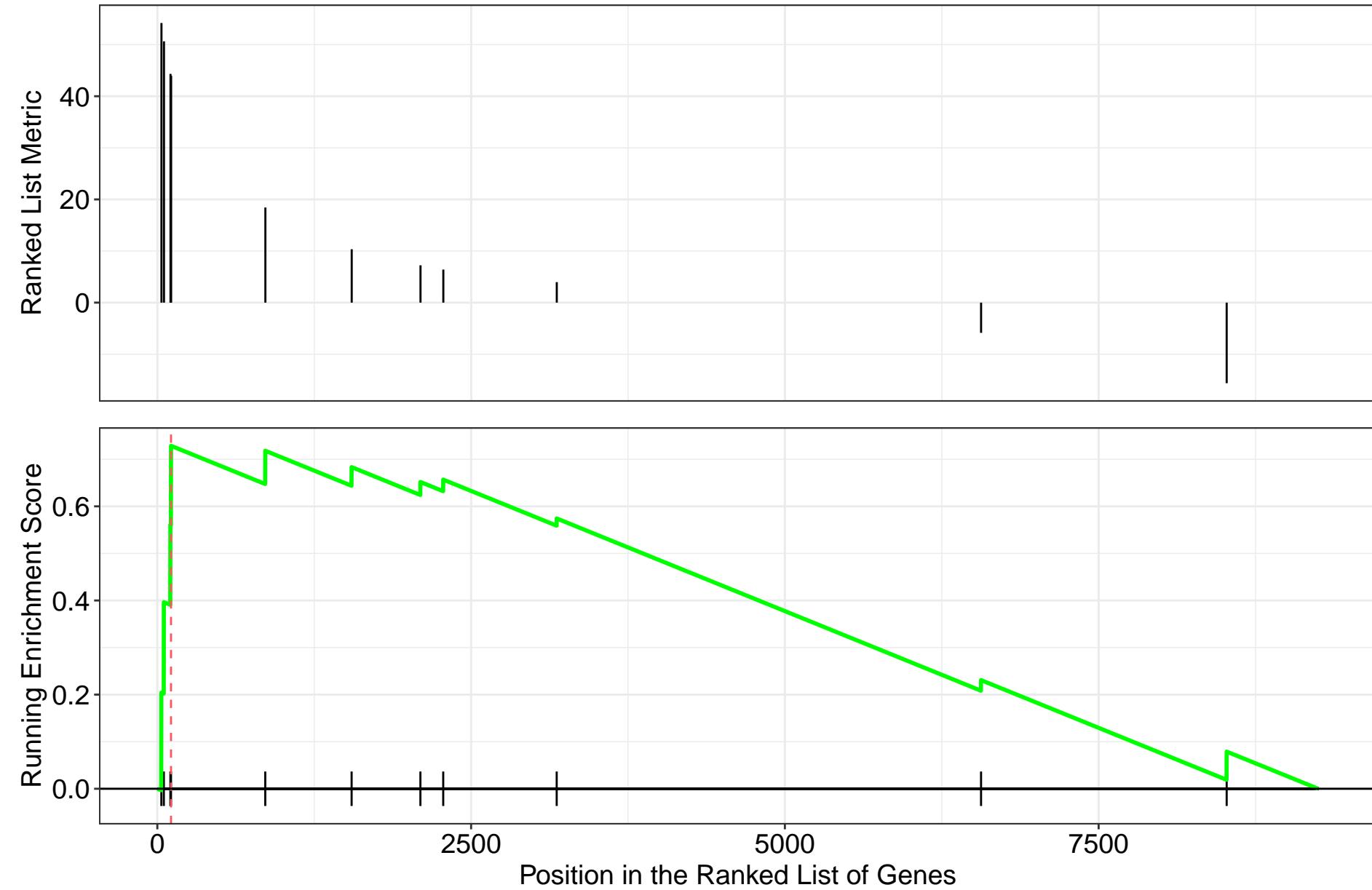
regulation of cysteine-type endopeptidase activity



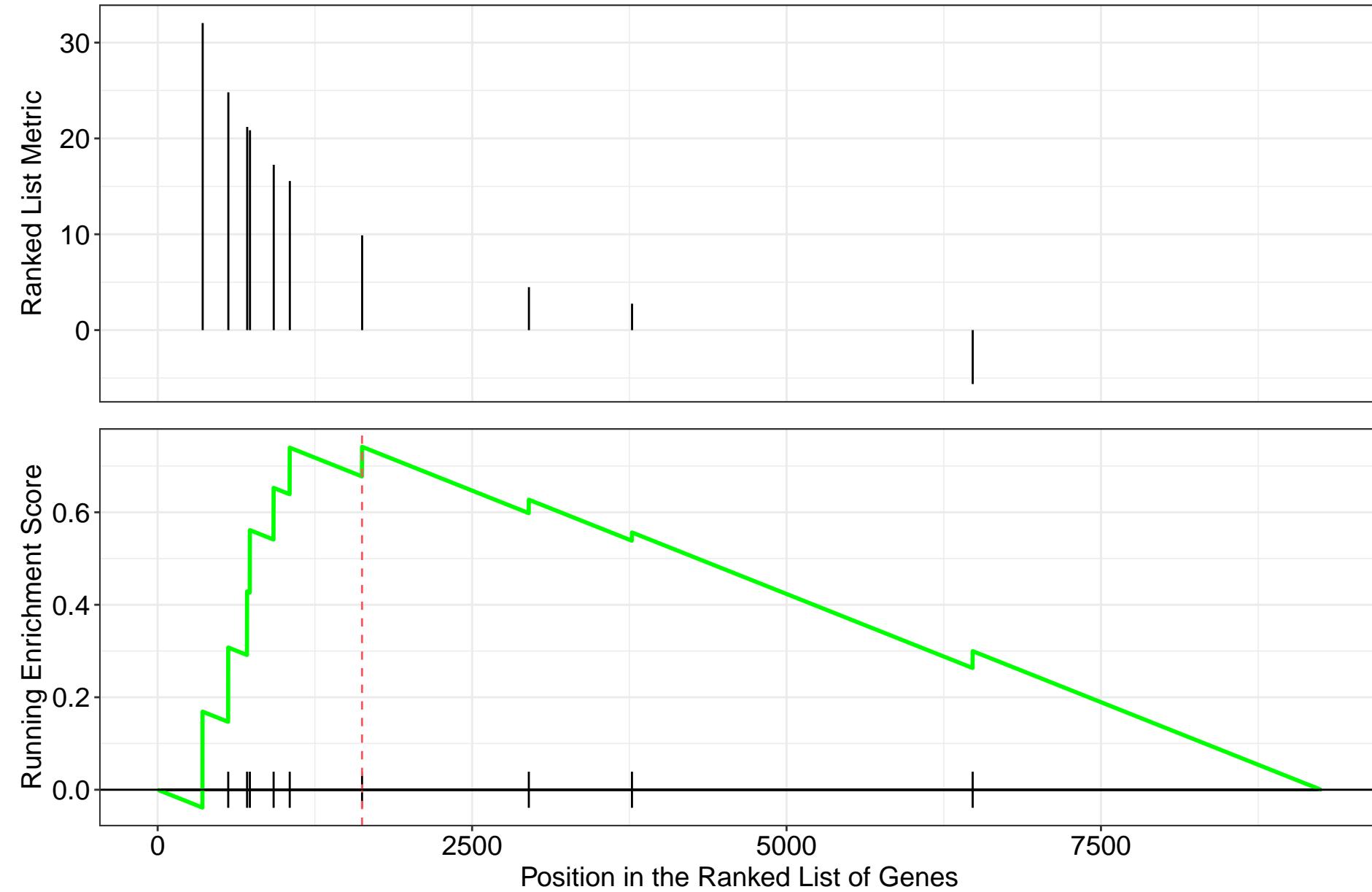
ribonucleoside metabolic process



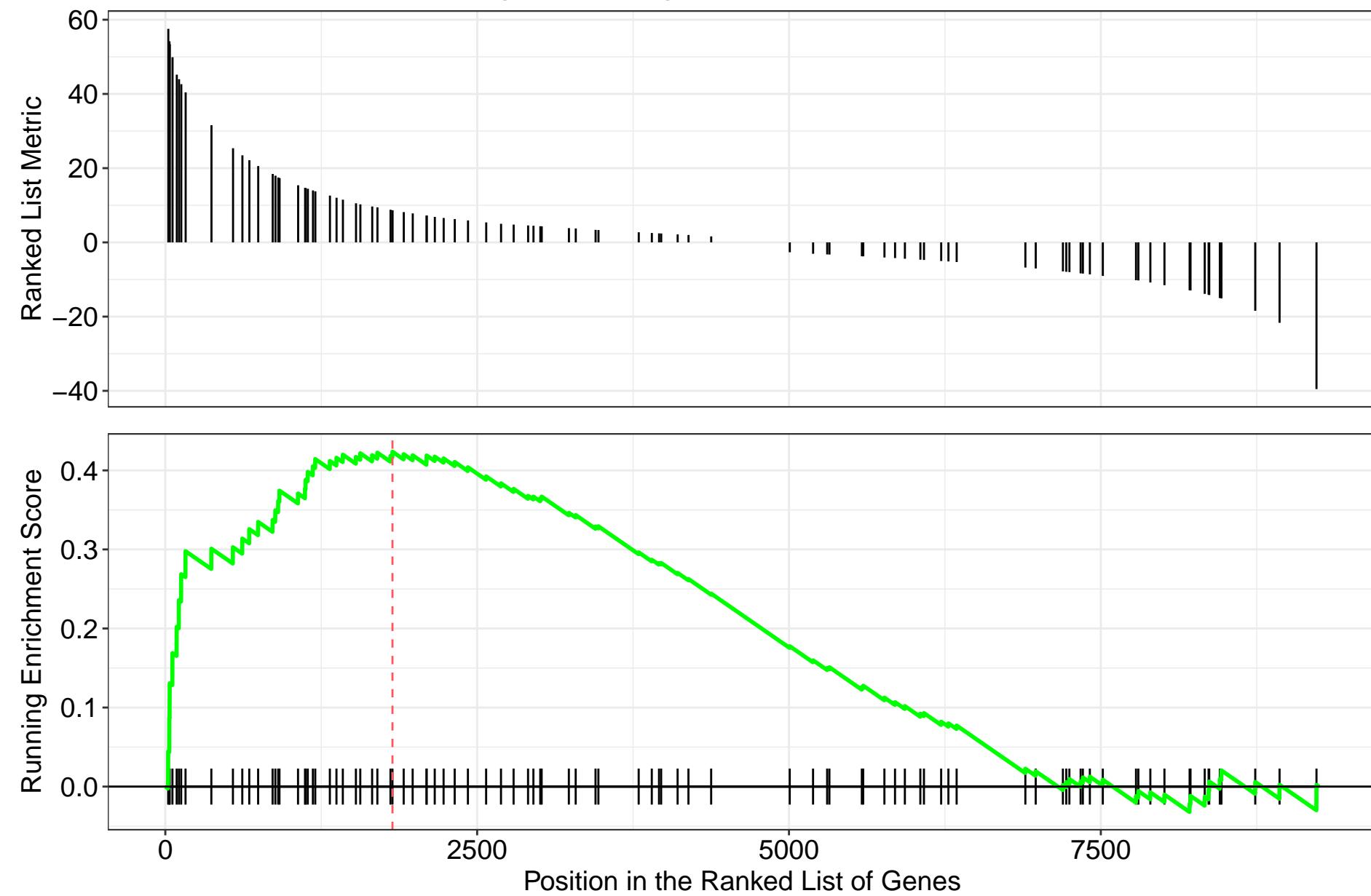
positive regulation of icosanoid secretion



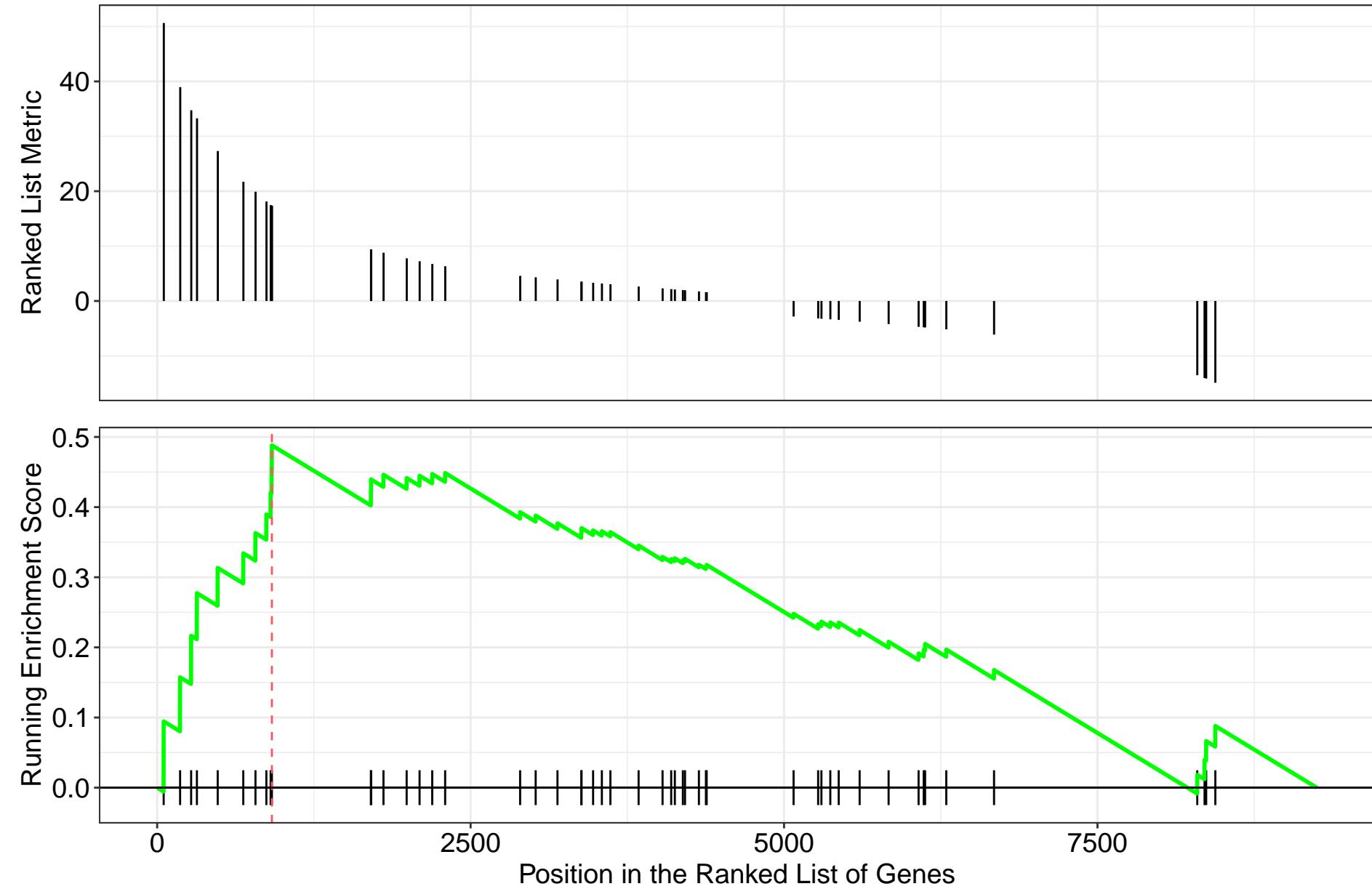
dendritic cell antigen processing and presentation



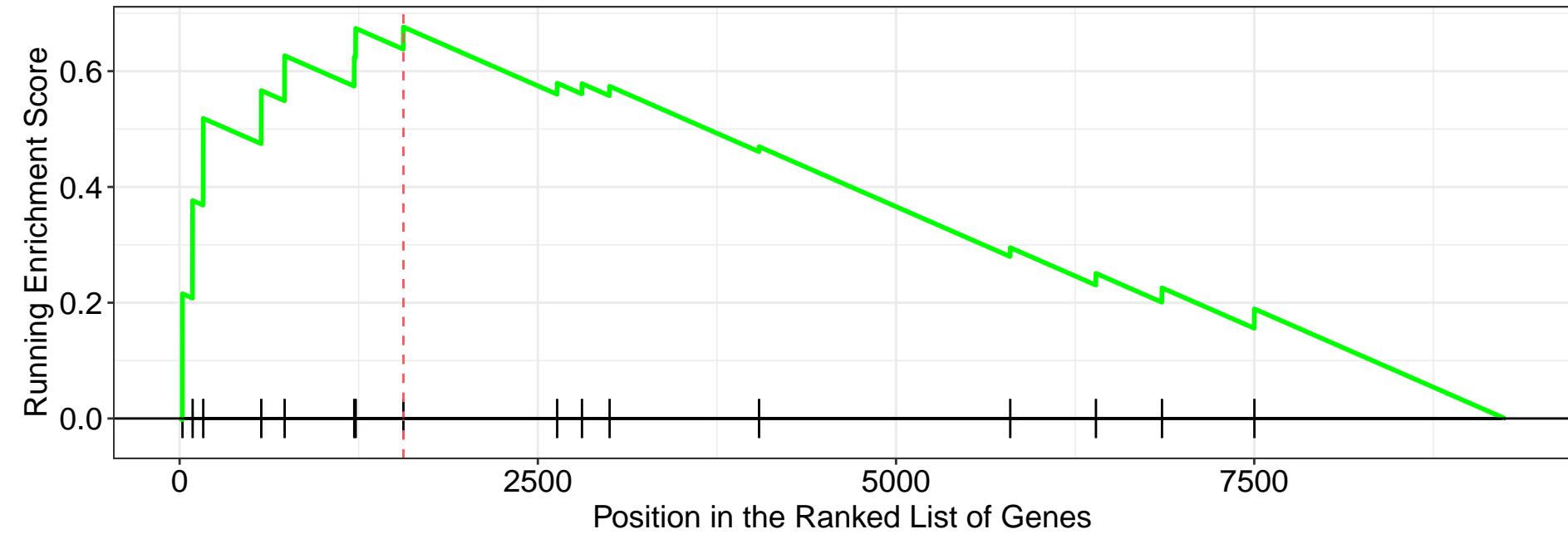
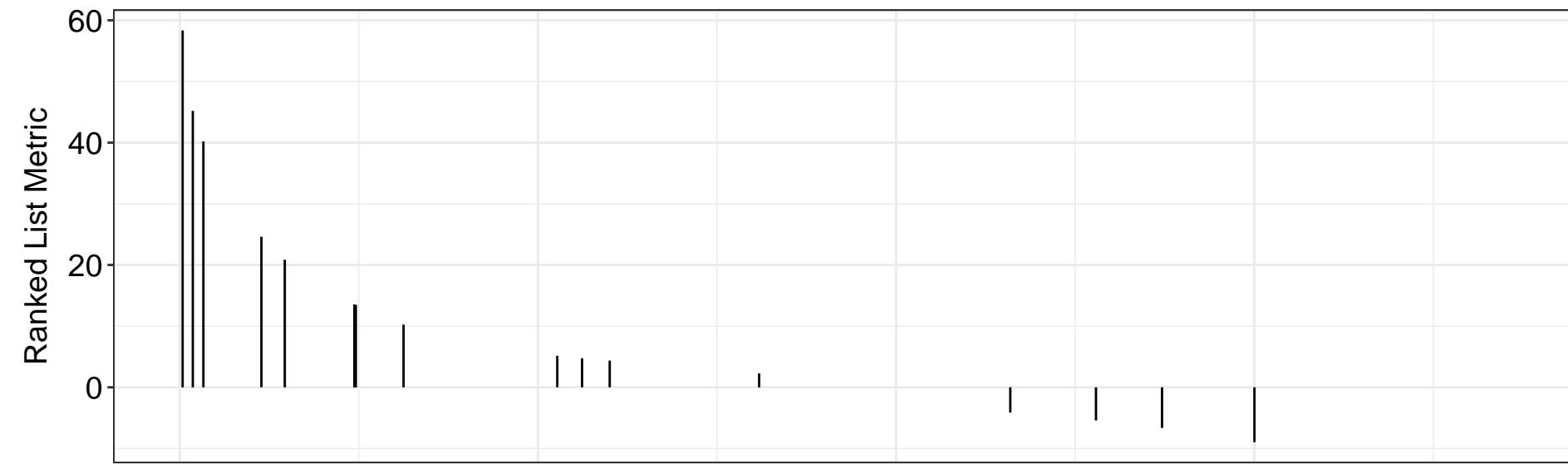
negative regulation of secretion



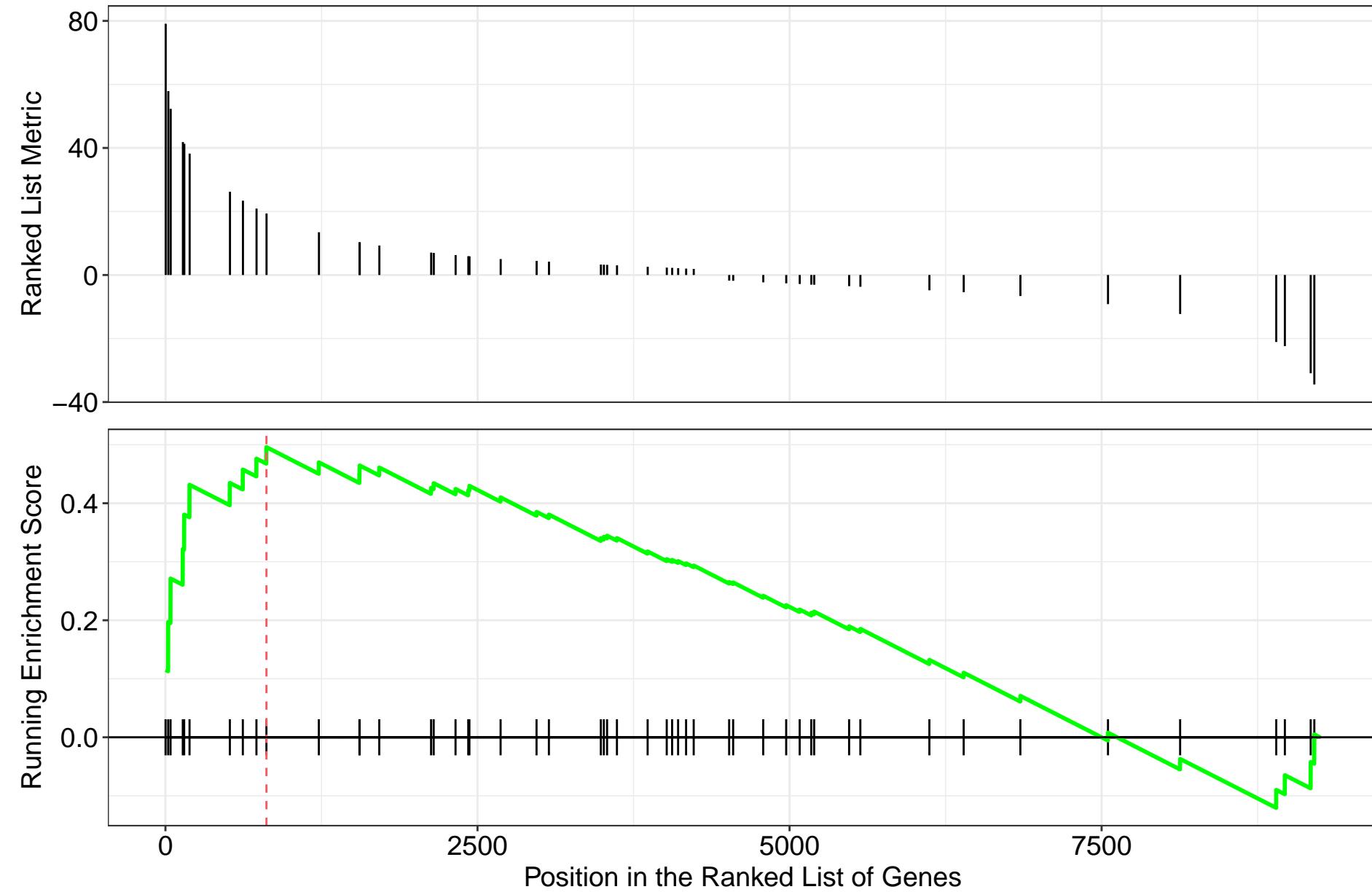
response to heat



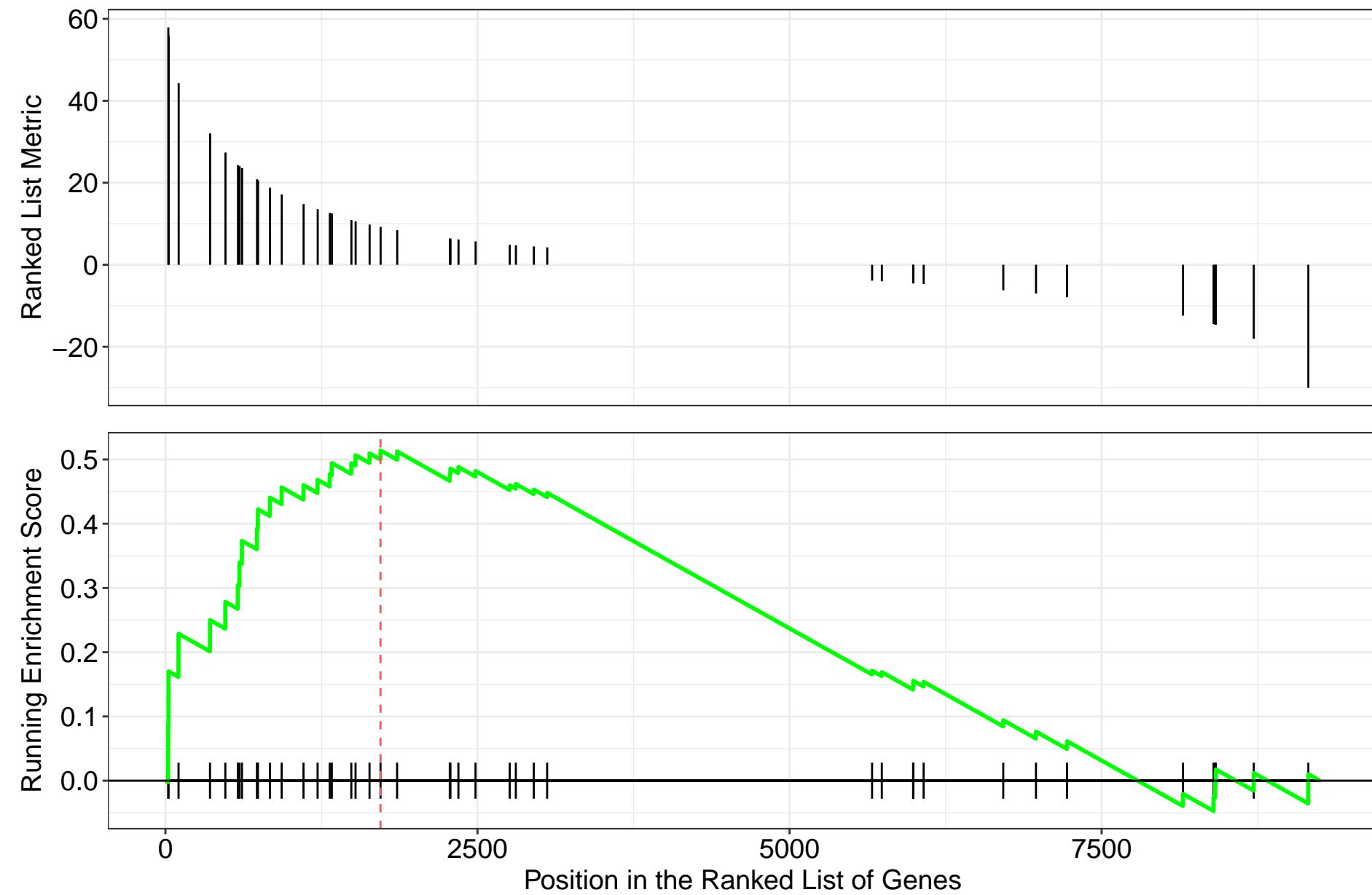
positive regulation of cytokine production involved in inflammatory response



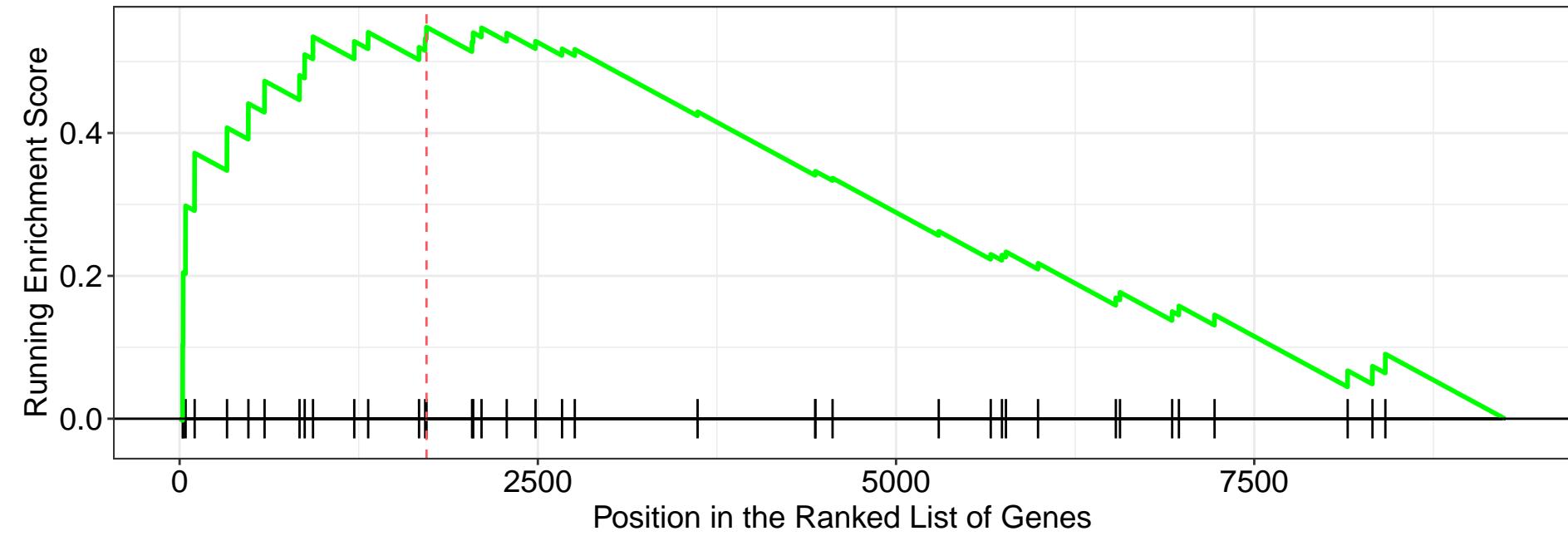
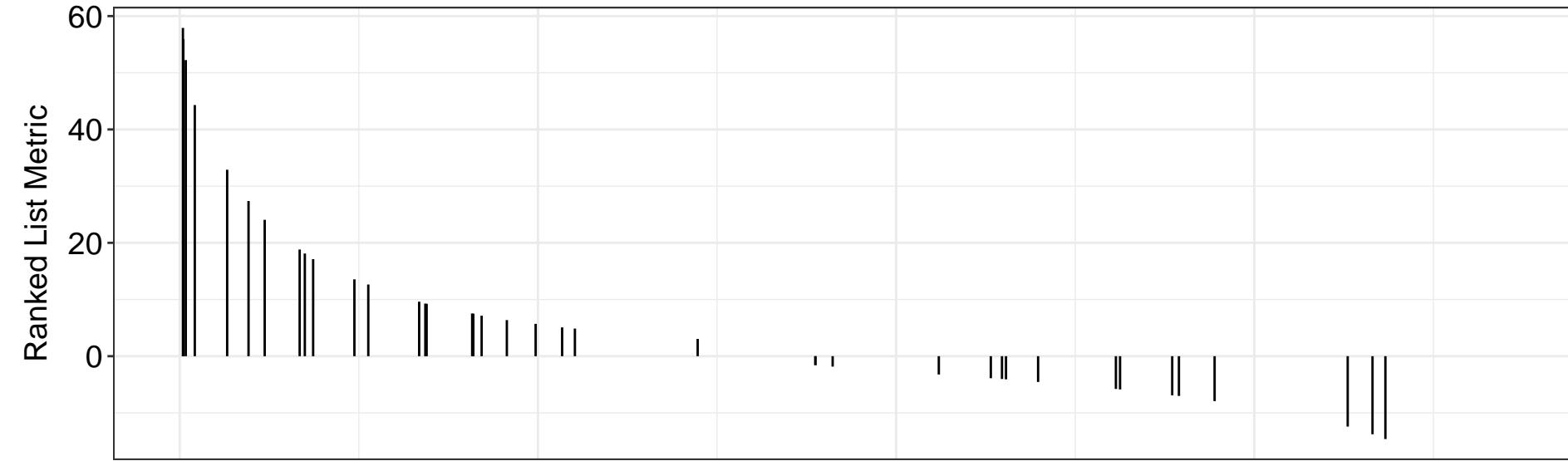
biological process involved in interaction with symbiont



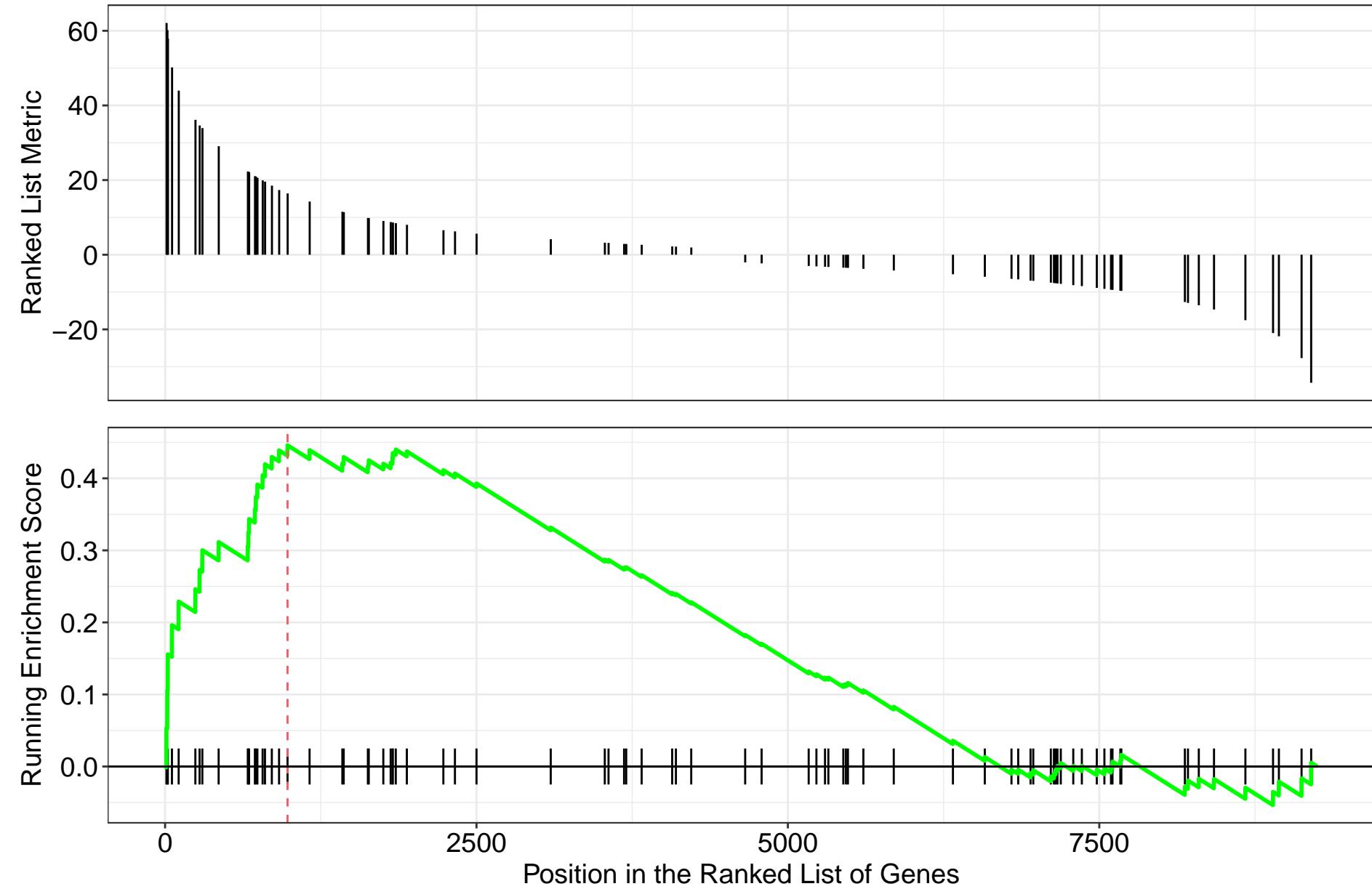
negative regulation of leukocyte apoptotic process



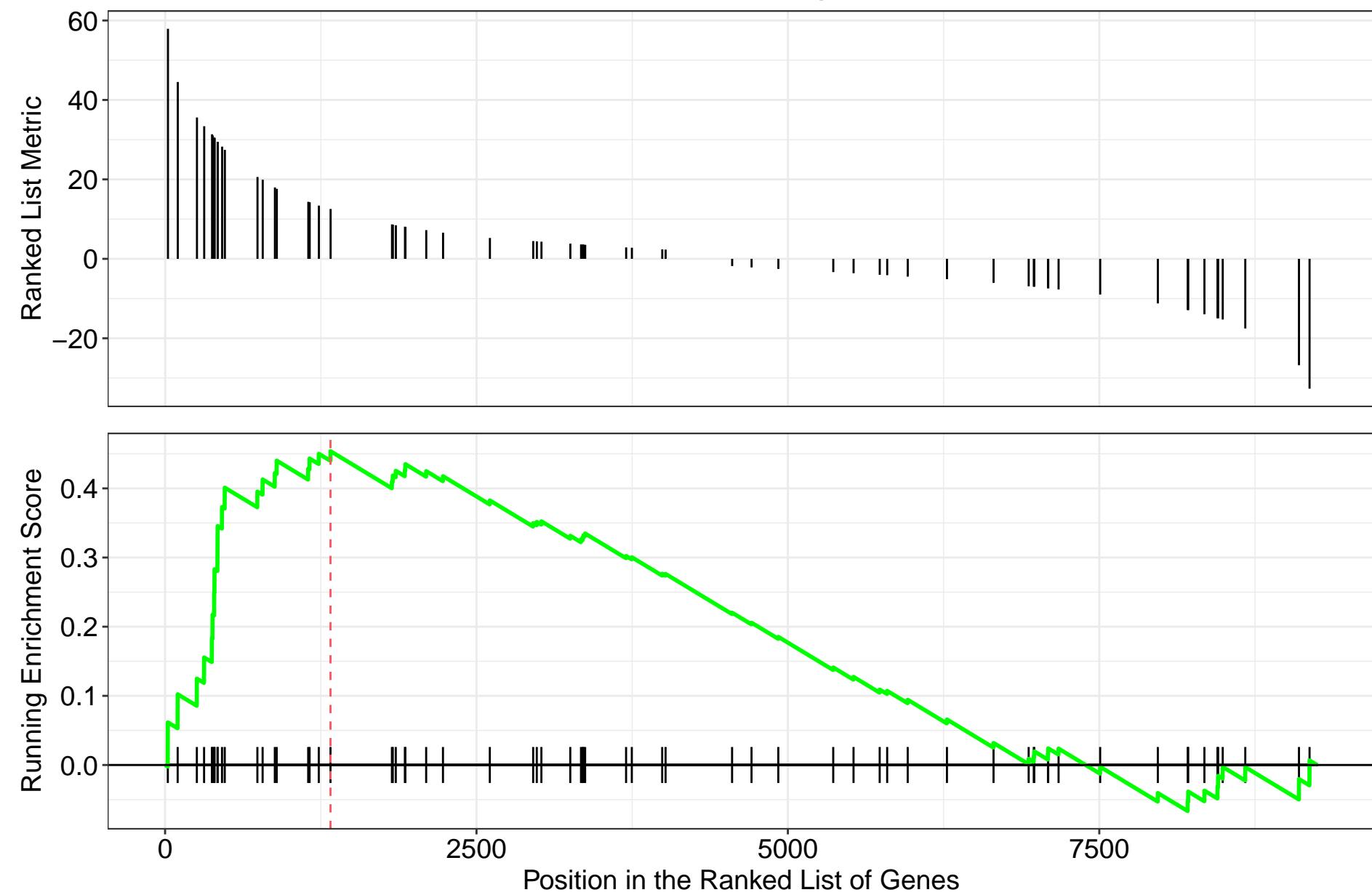
T cell apoptotic process



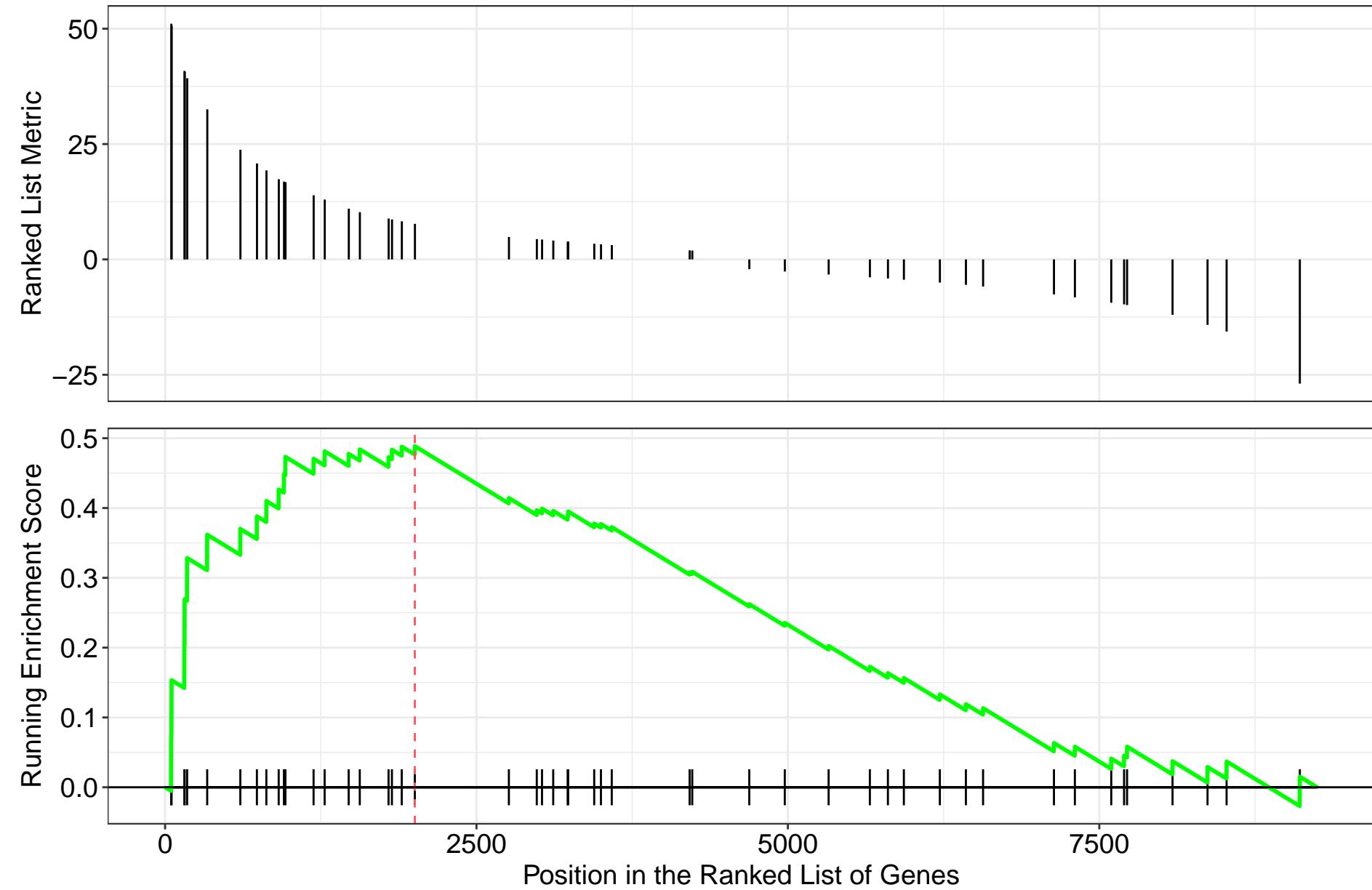
inositol lipid-mediated signaling



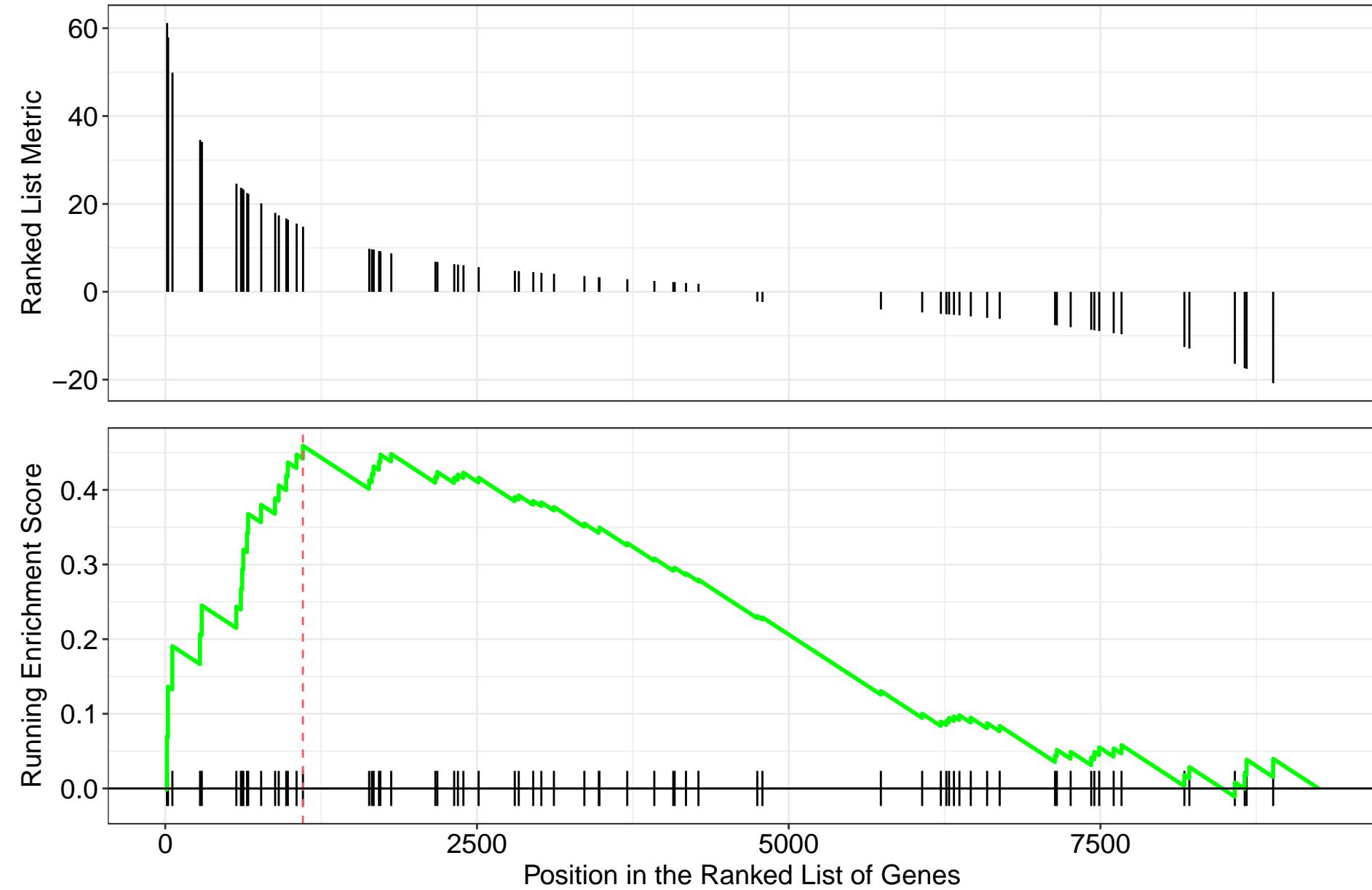
muscle cell migration



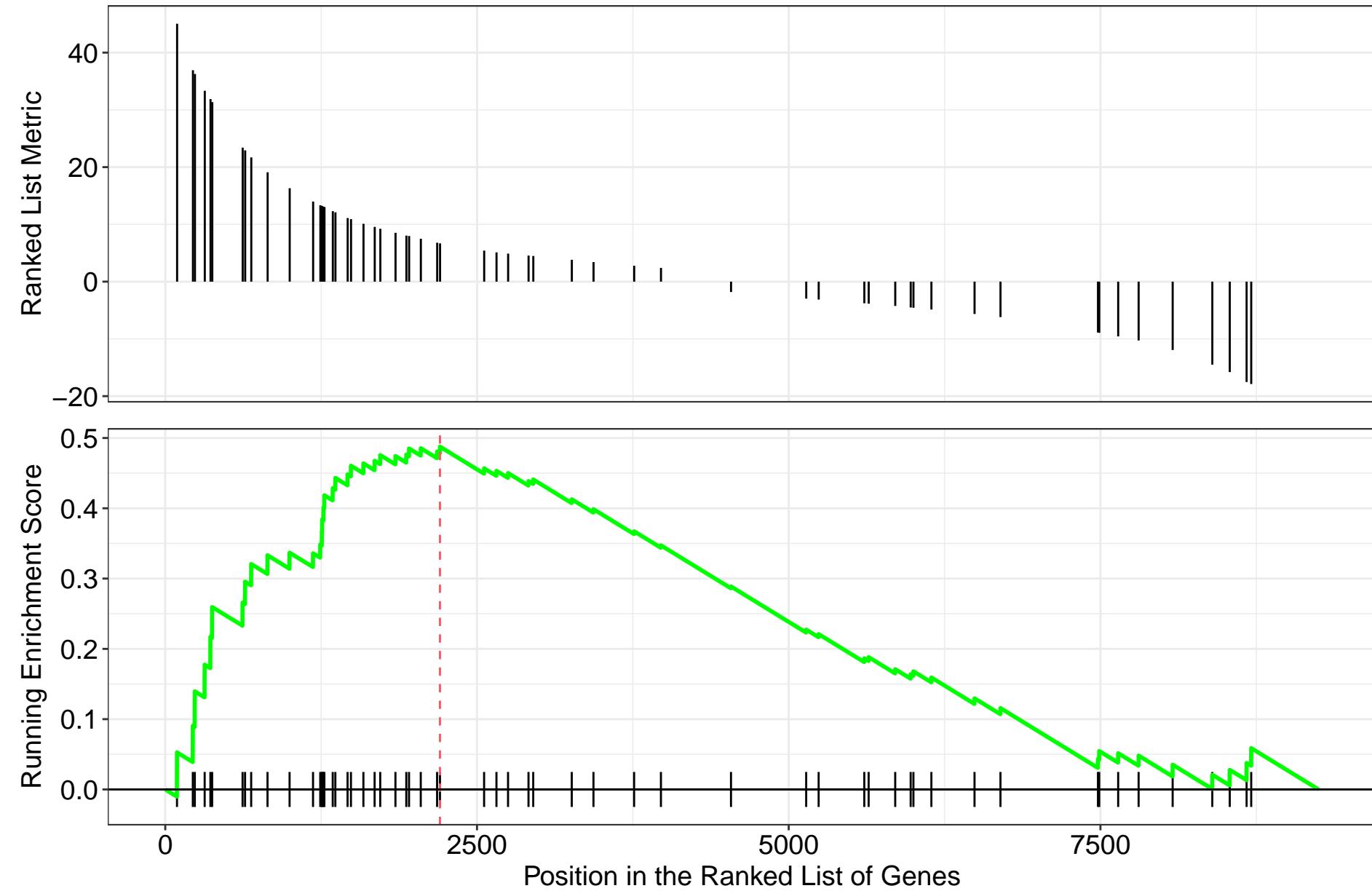
keratinocyte differentiation



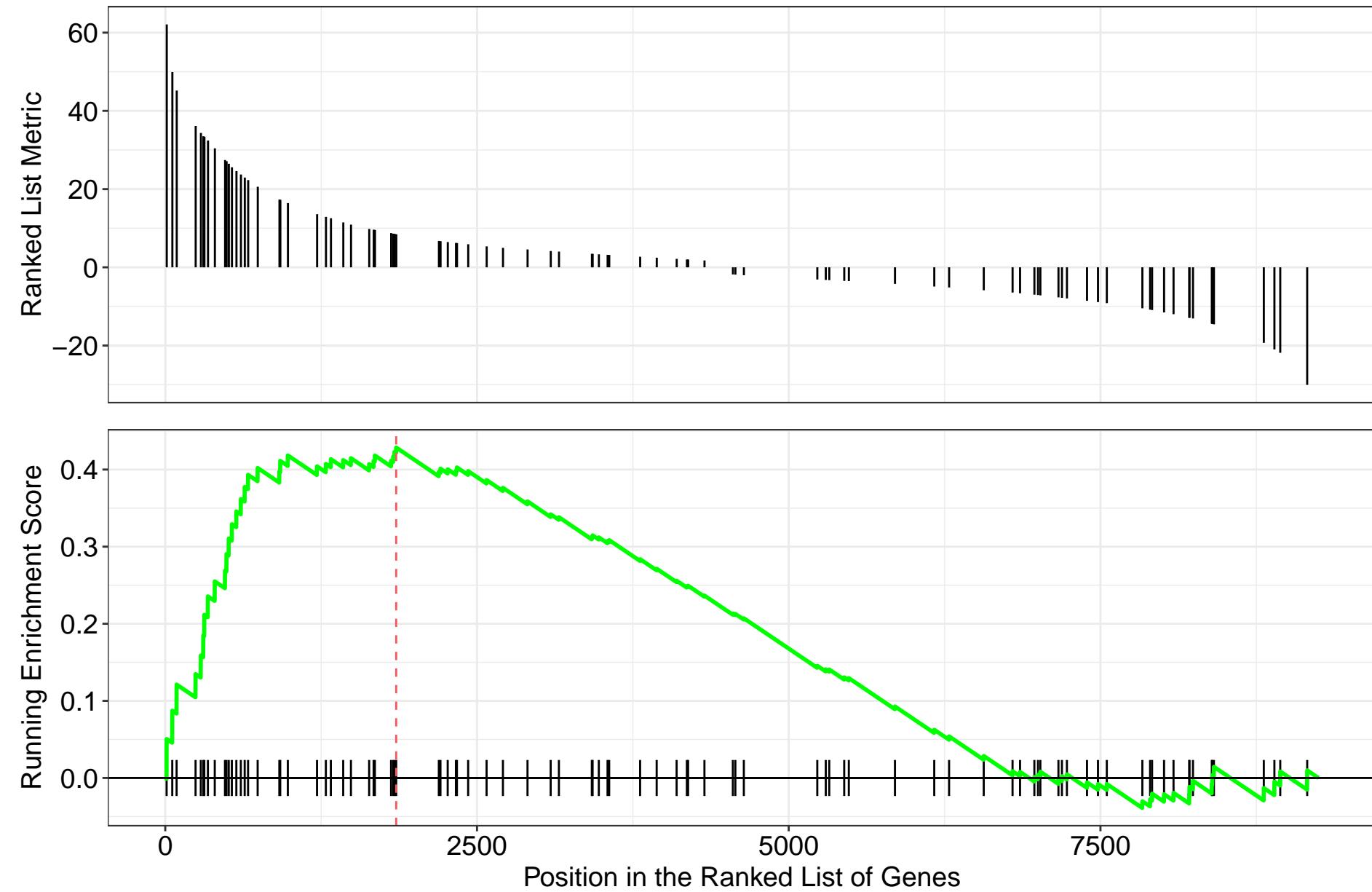
regulation of myeloid leukocyte differentiation



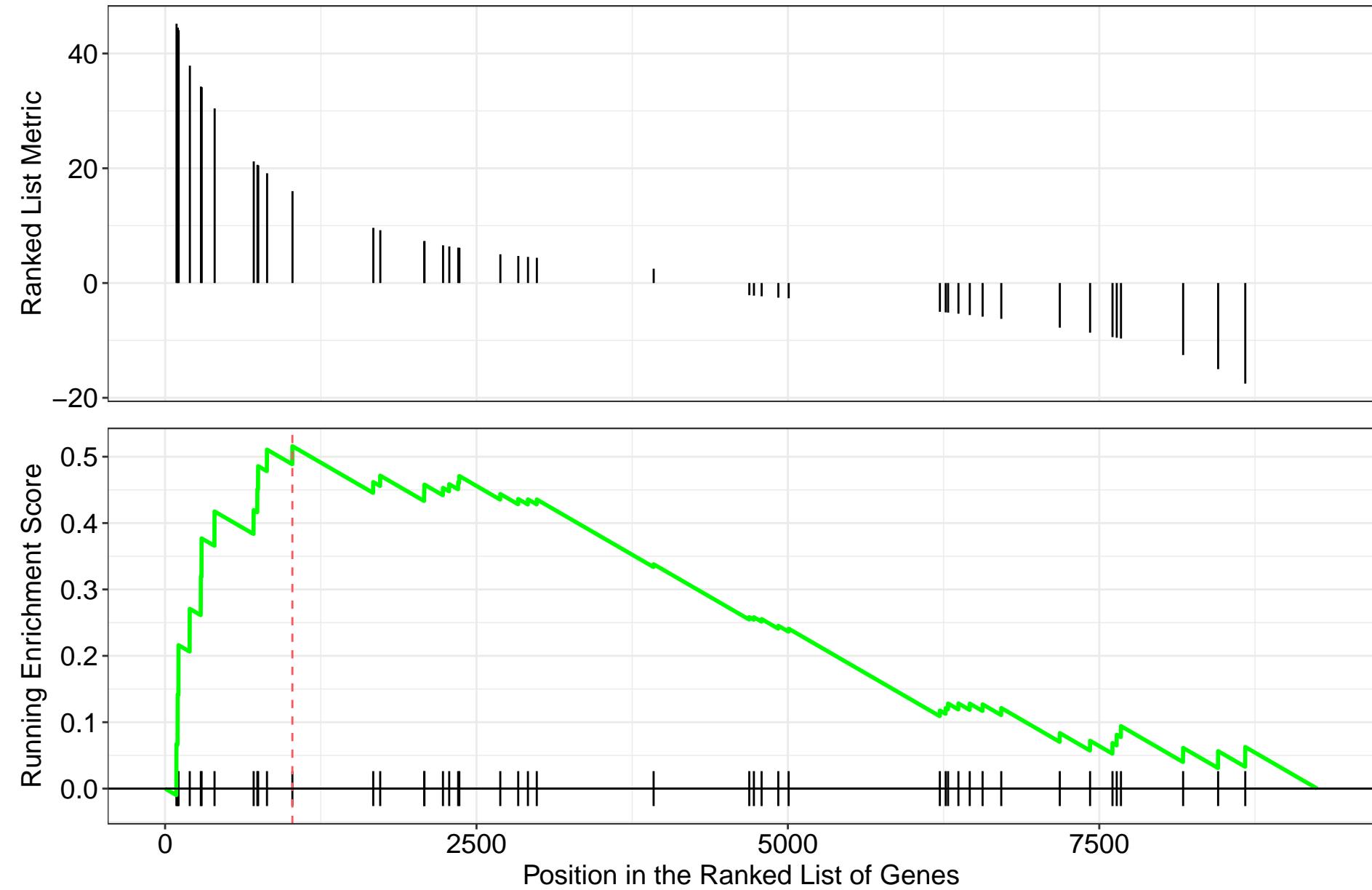
viral entry into host cell



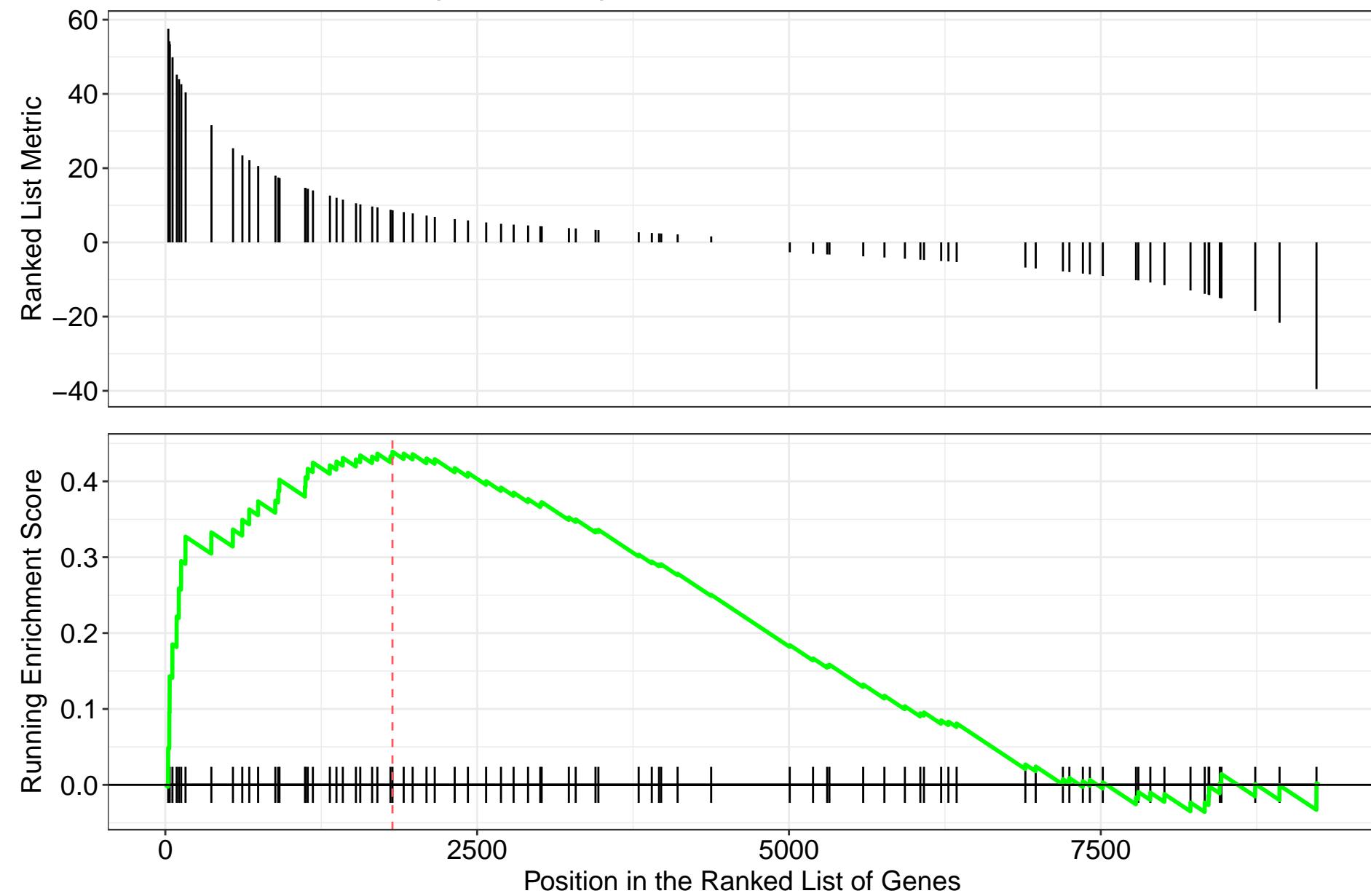
regulation of protein kinase B signaling



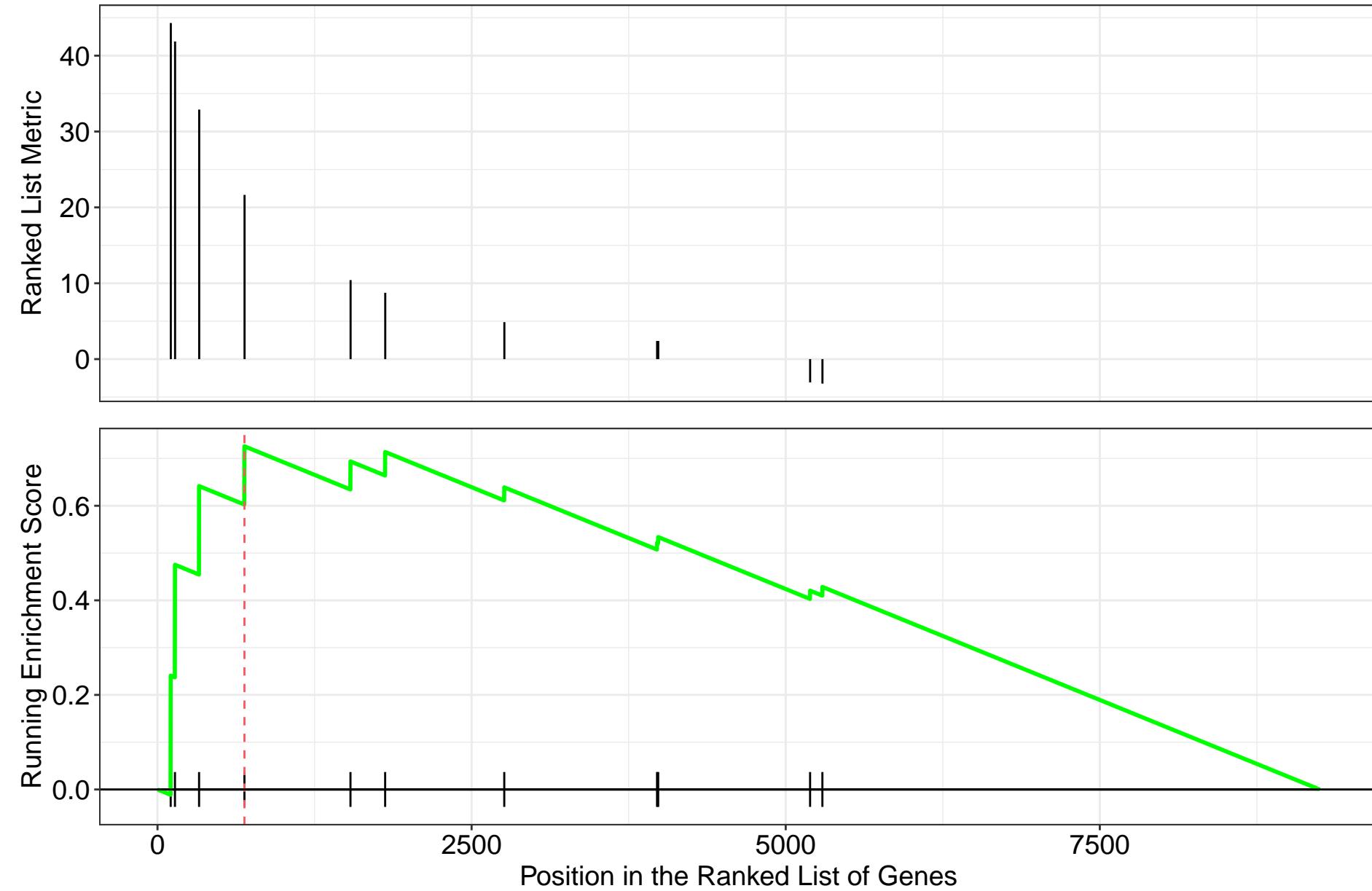
regulation of tissue remodeling



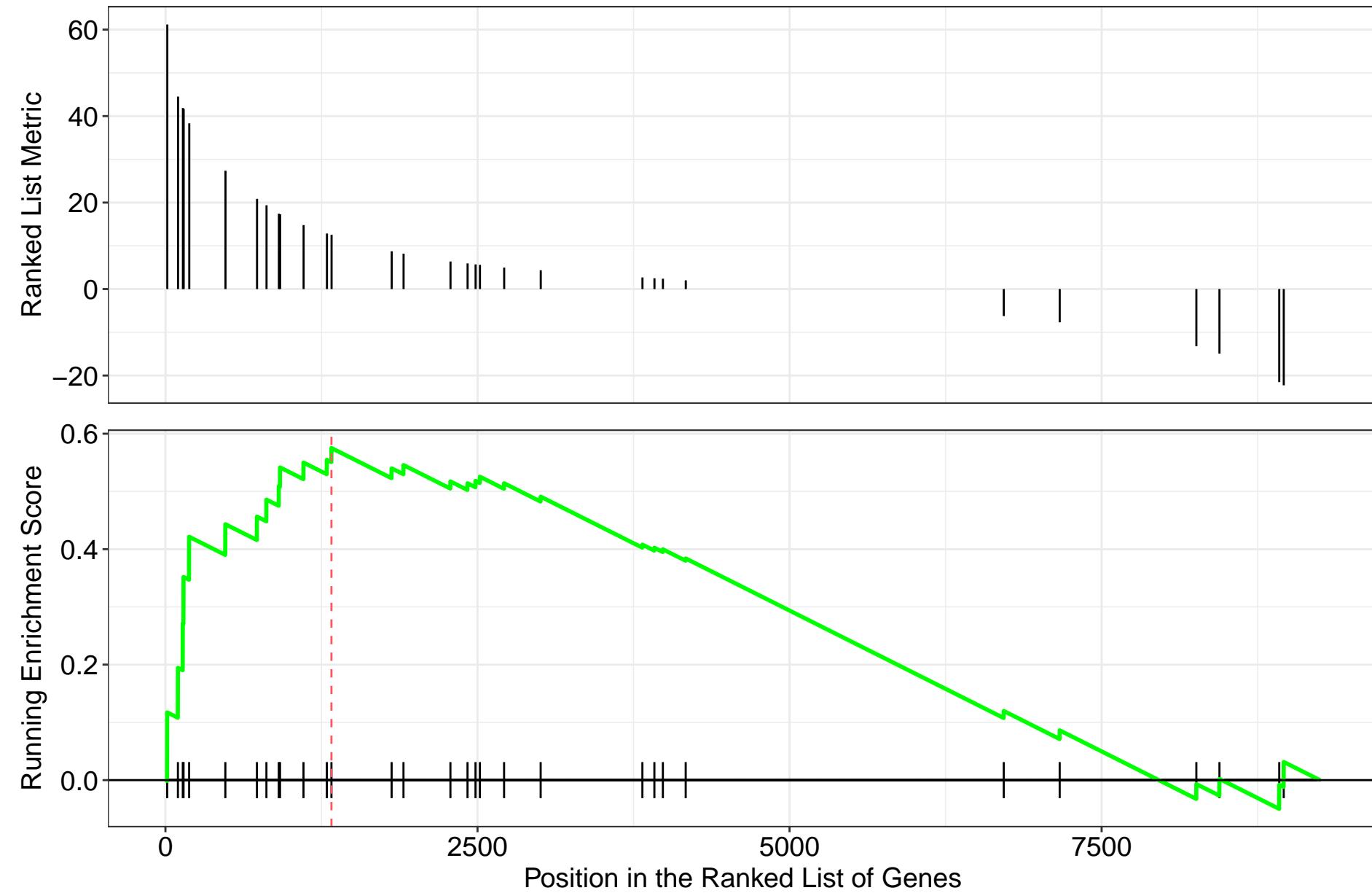
negative regulation of secretion by cell



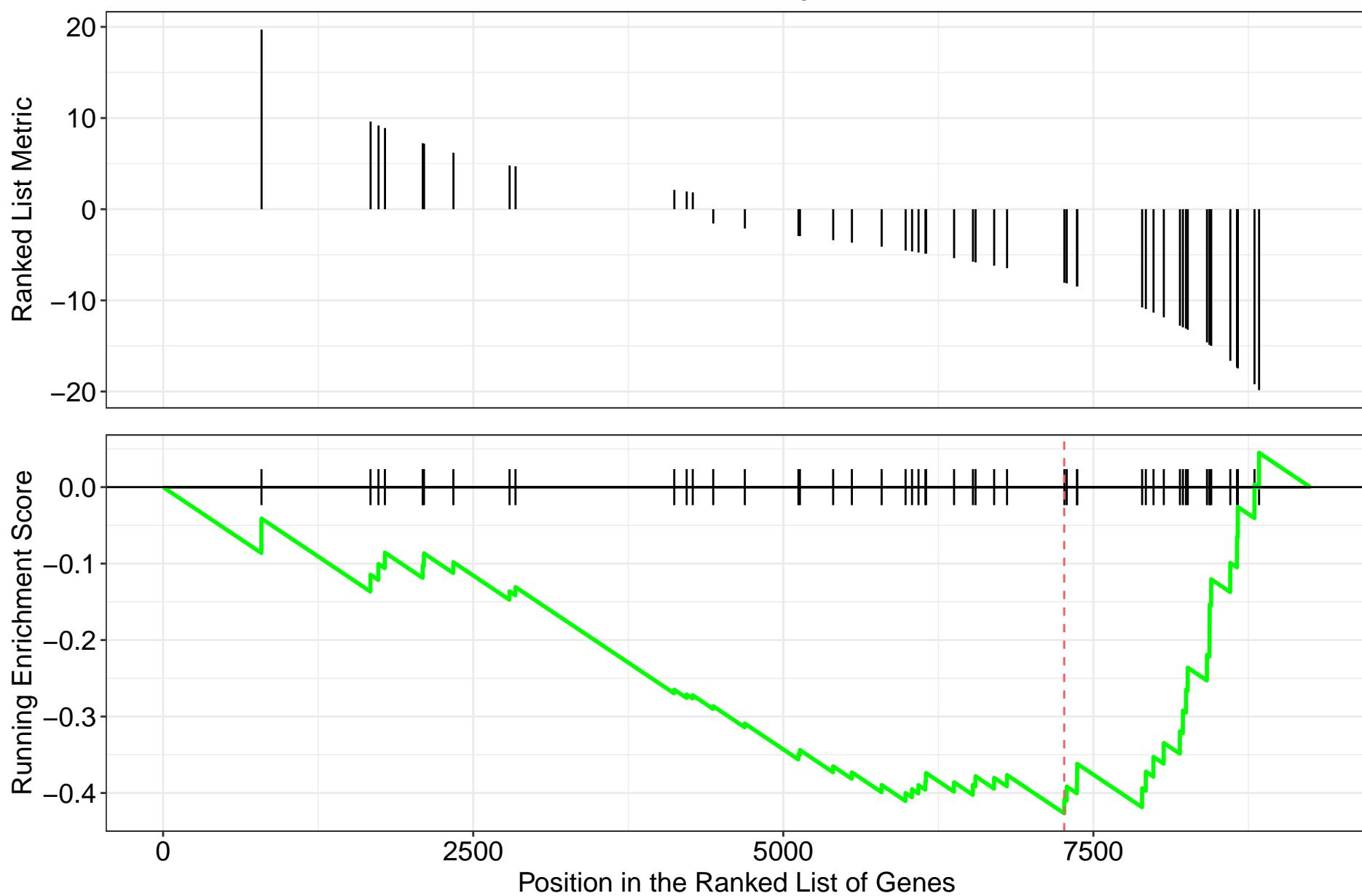
negative regulation of activated T cell proliferation



negative regulation of adaptive immune response

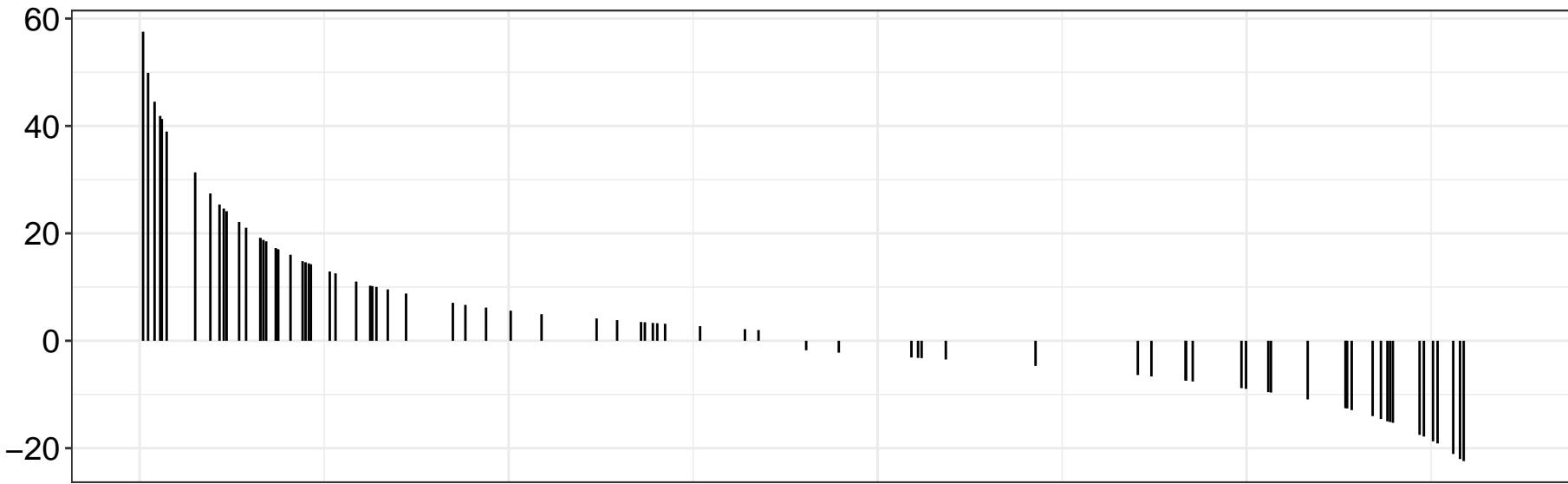


centrosome duplication



endothelial cell proliferation

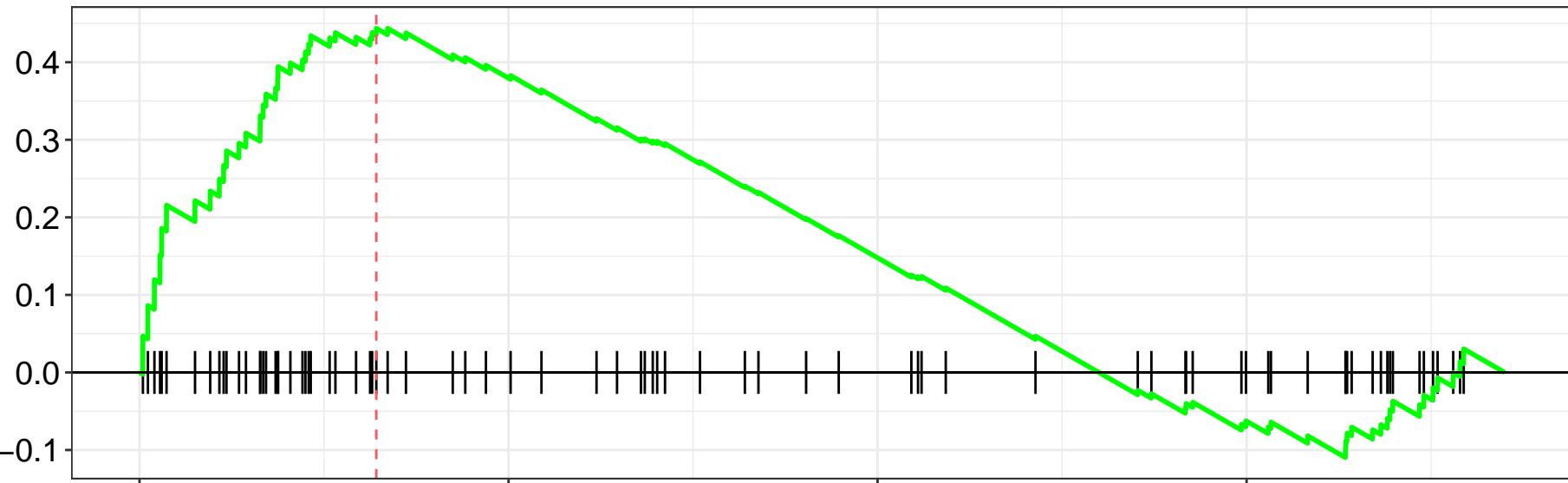
Ranked List Metric



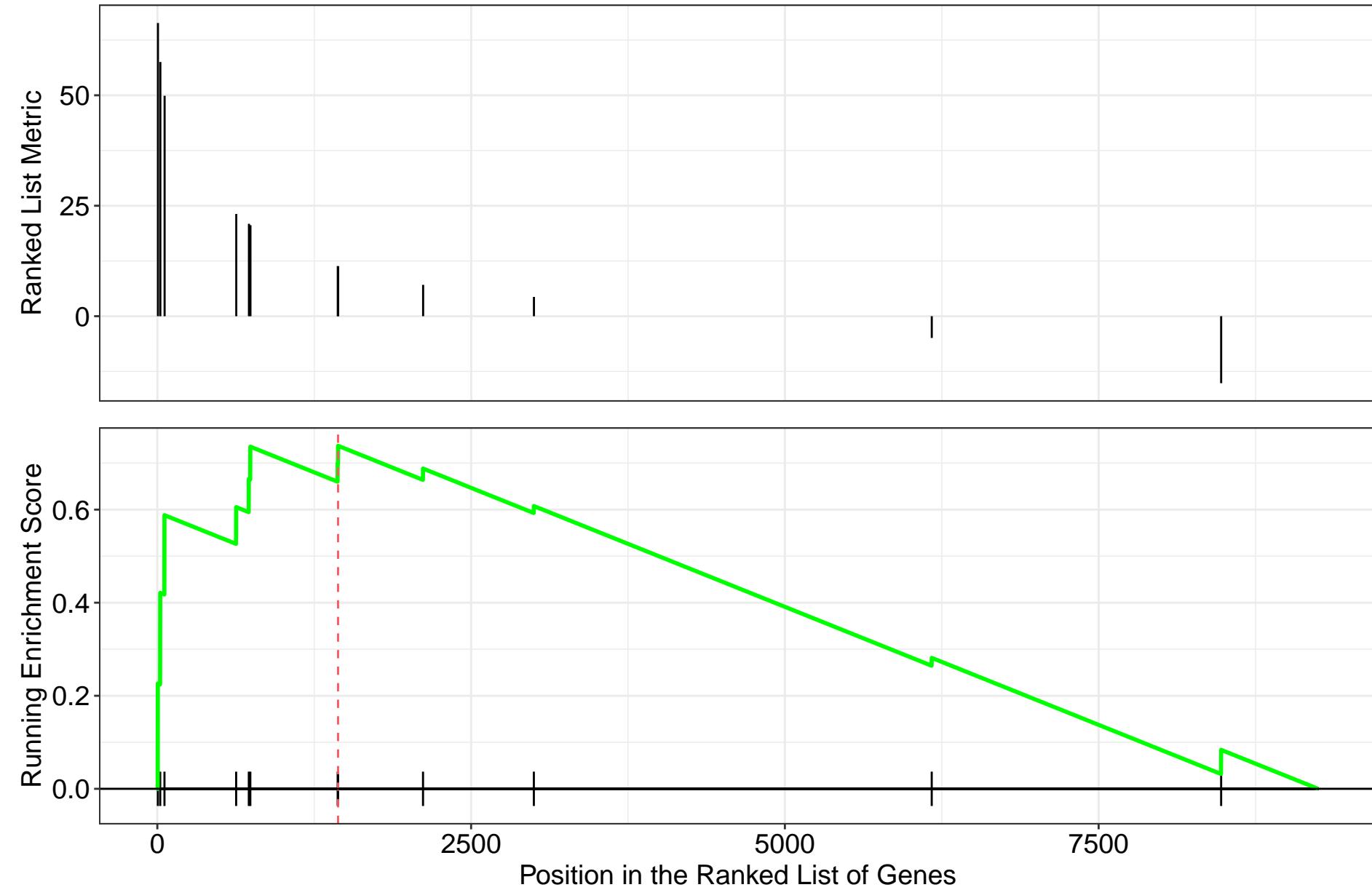
Running Enrichment Score

0 2500 5000 7500

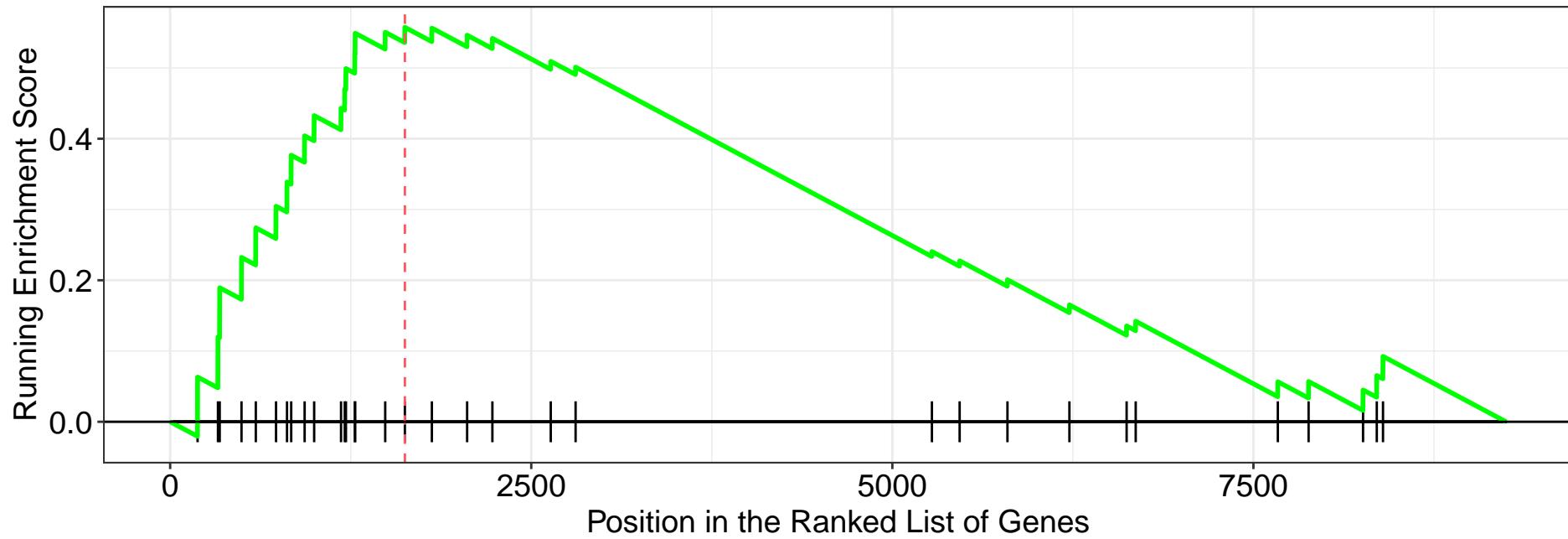
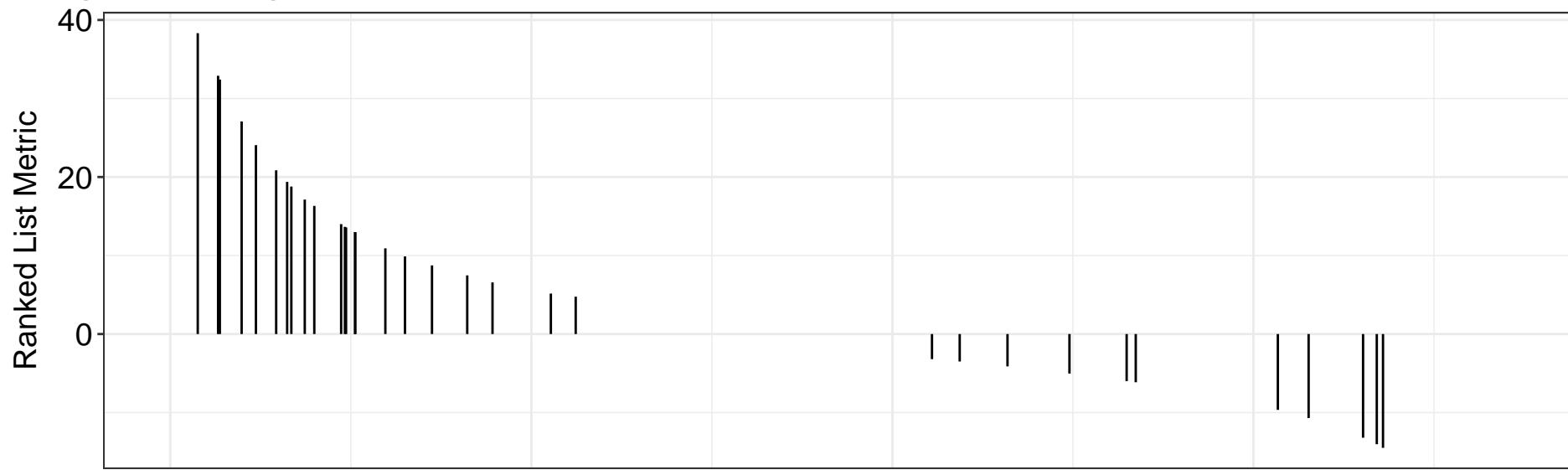
Position in the Ranked List of Genes



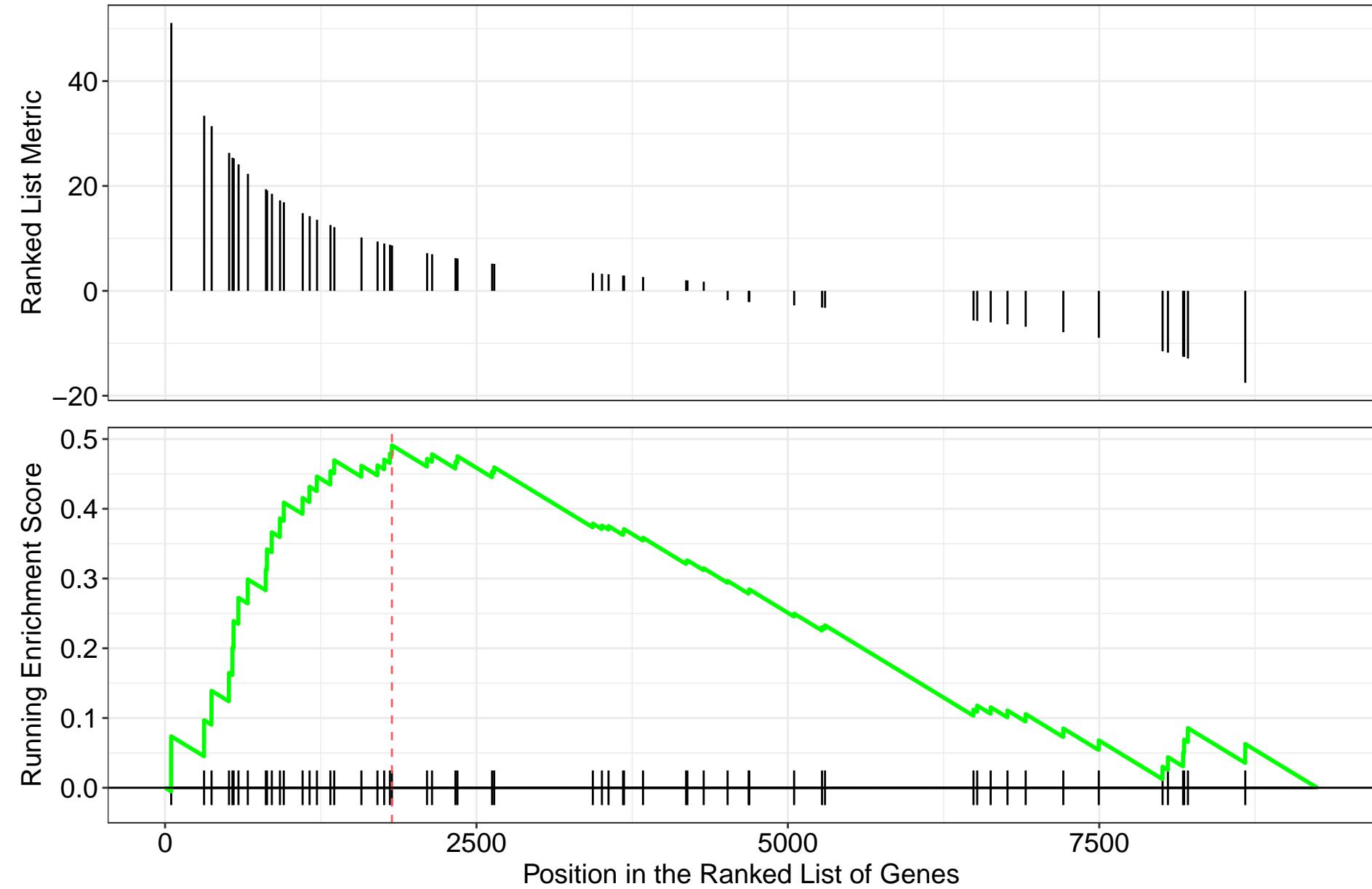
positive regulation of NK T cell activation



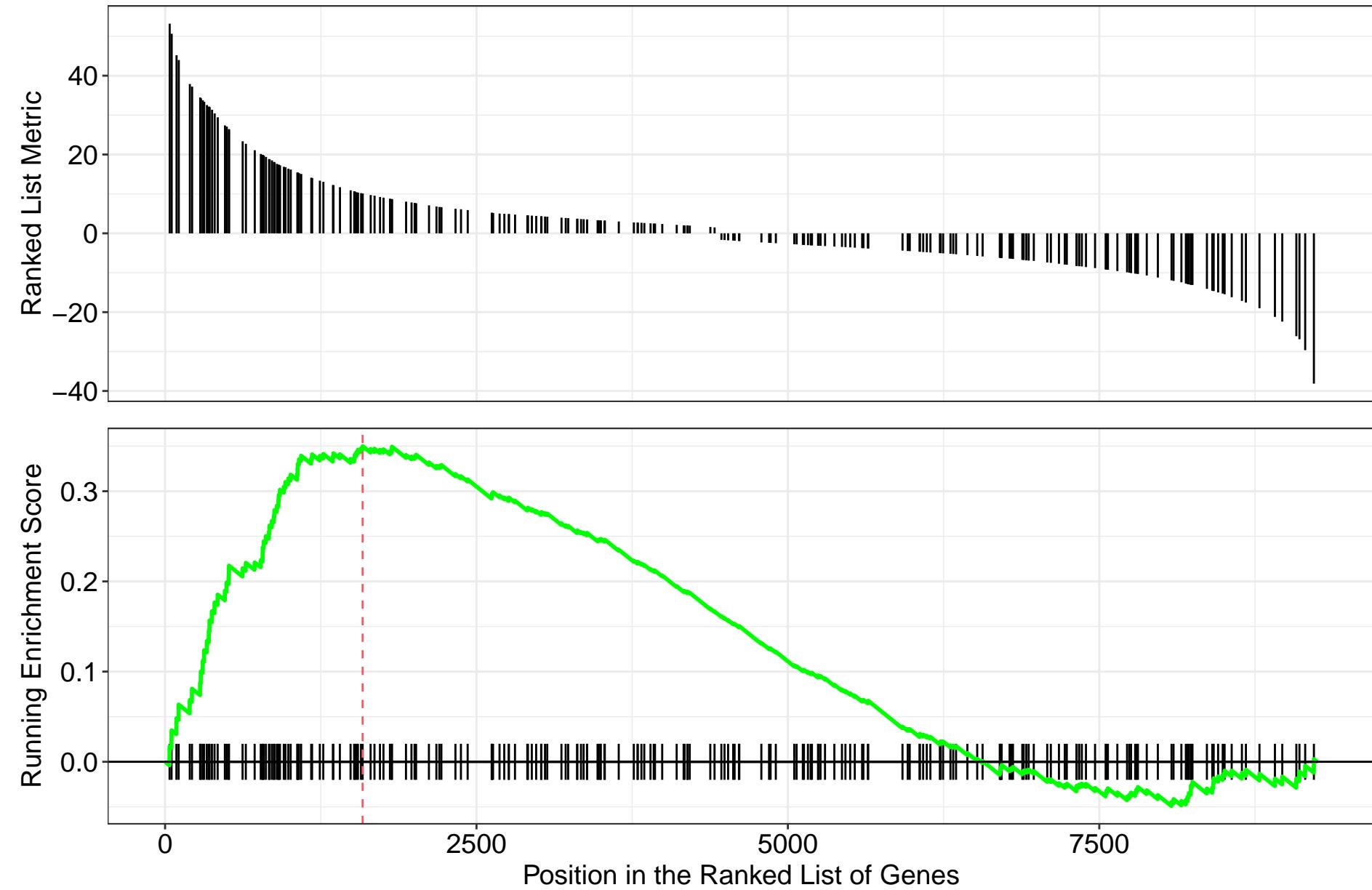
negative regulation of tumor necrosis factor superfamily cytokine production



positive regulation of endothelial cell migration

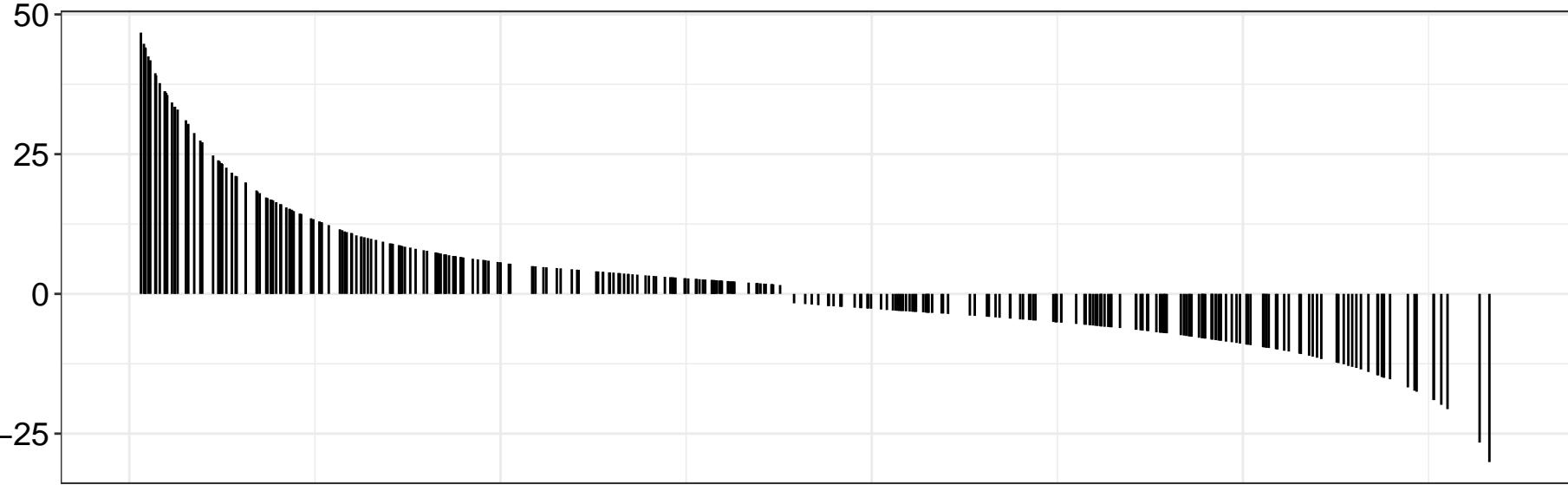


response to inorganic substance



developmental growth

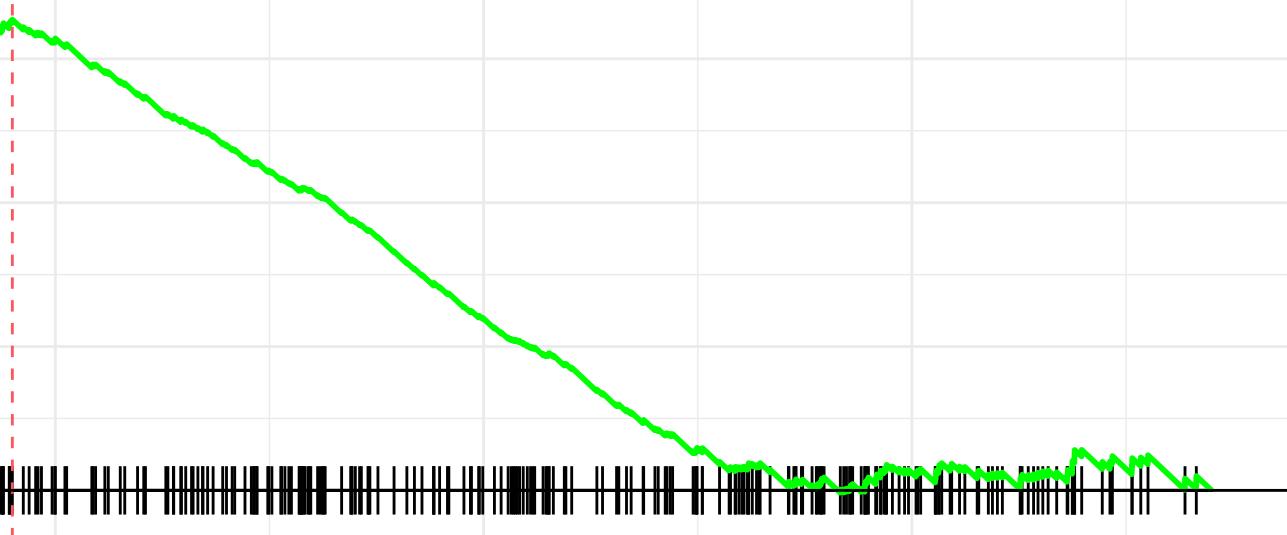
Ranked List Metric



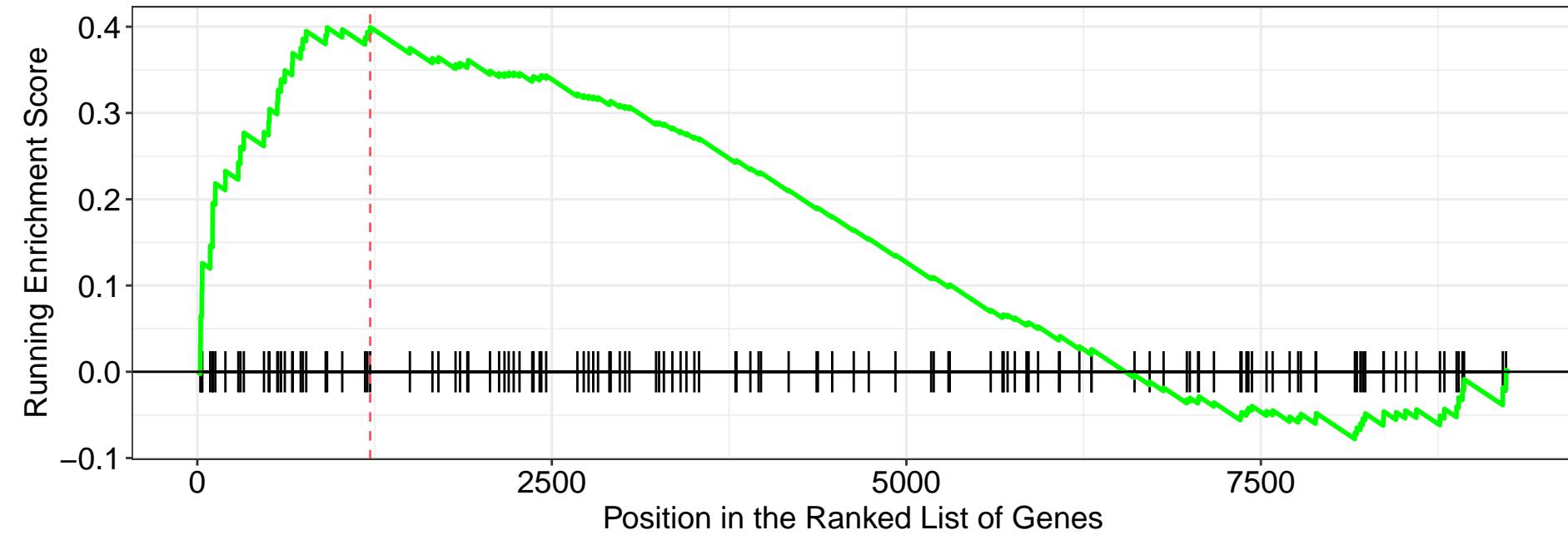
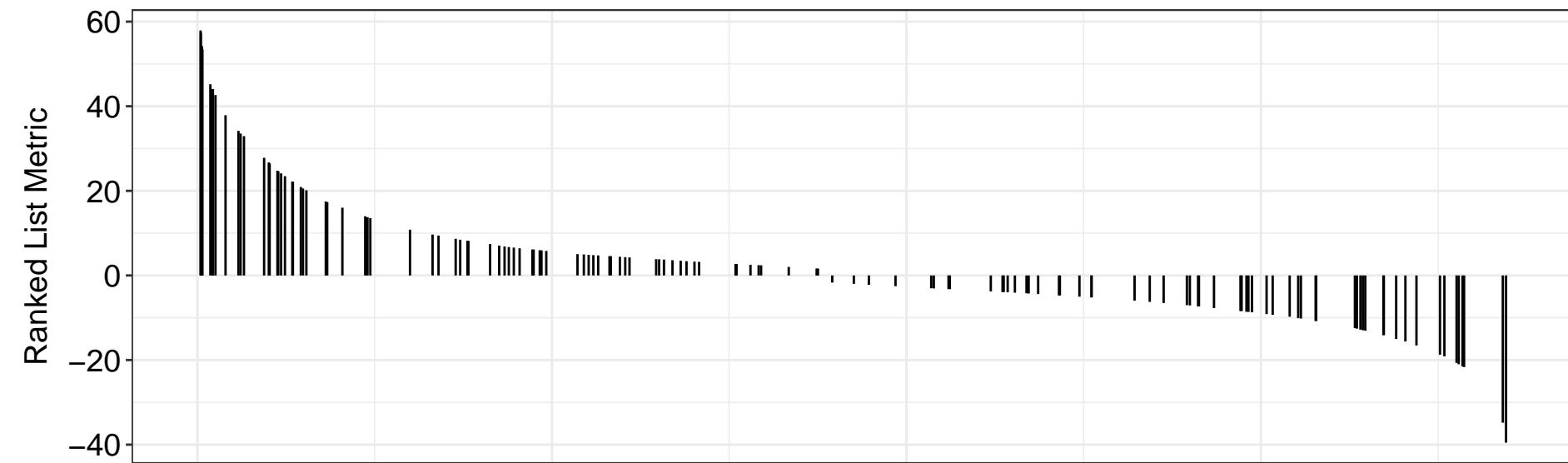
Running Enrichment Score

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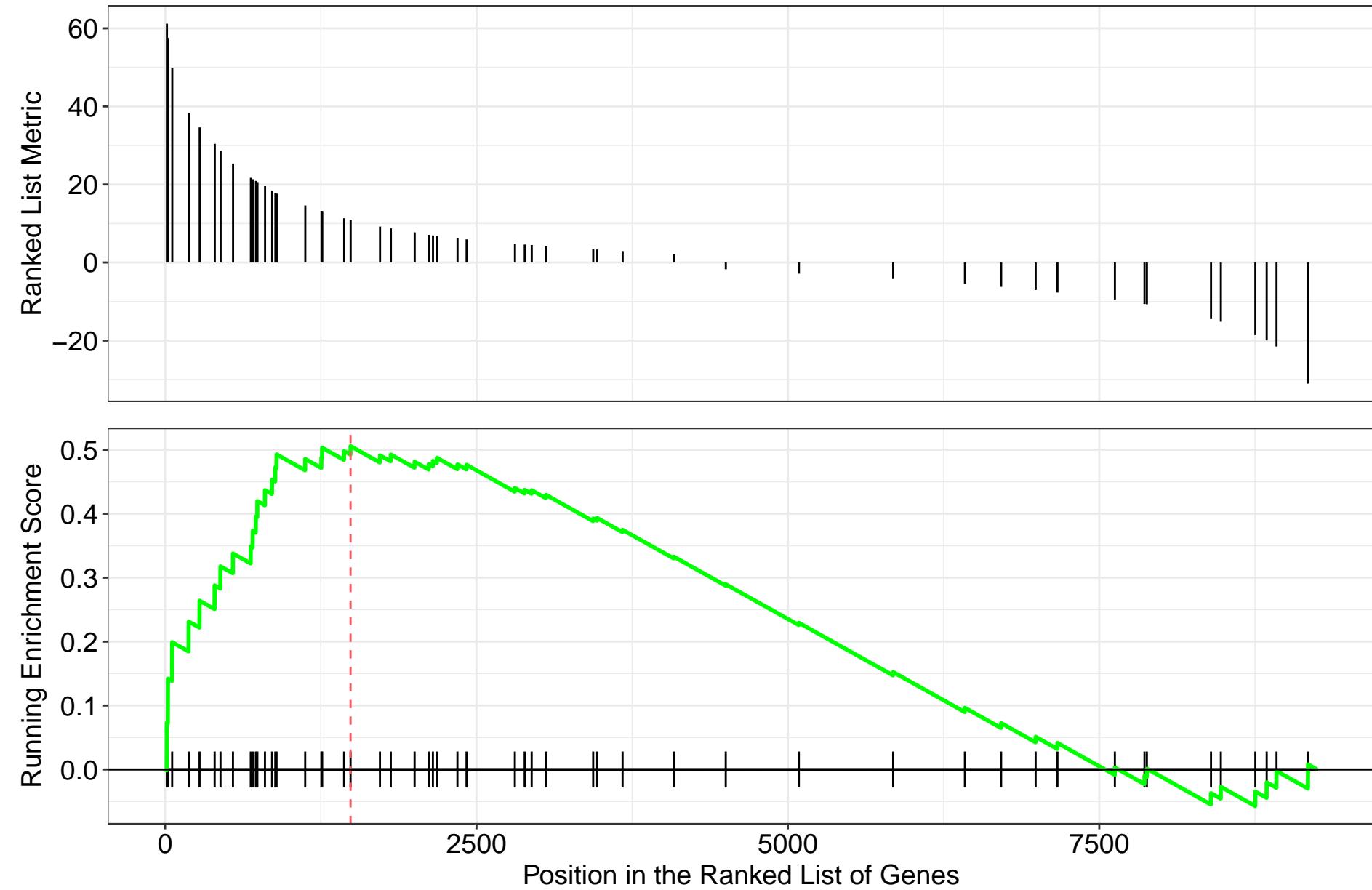
Position in the Ranked List of Genes



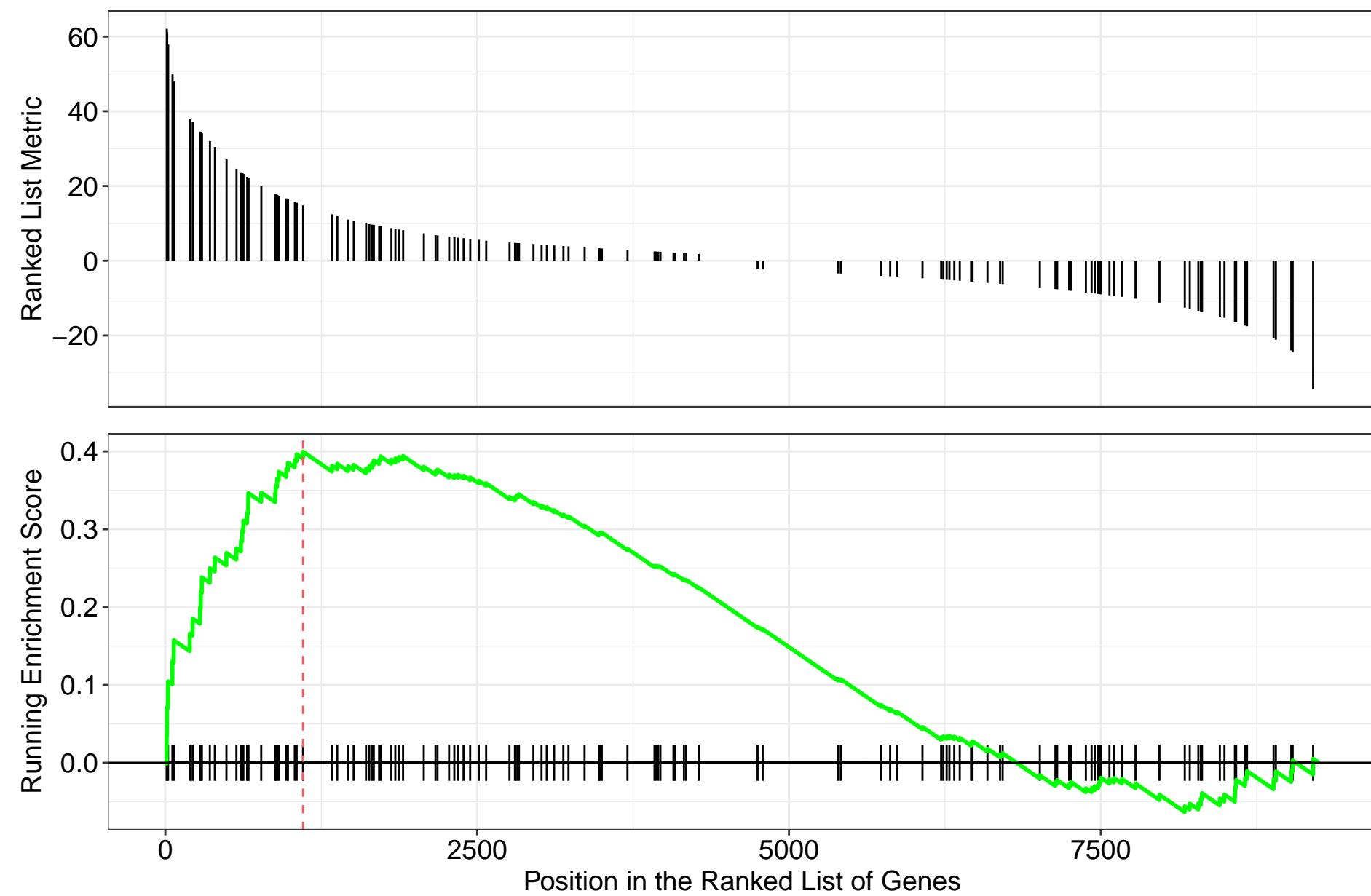
hormone secretion



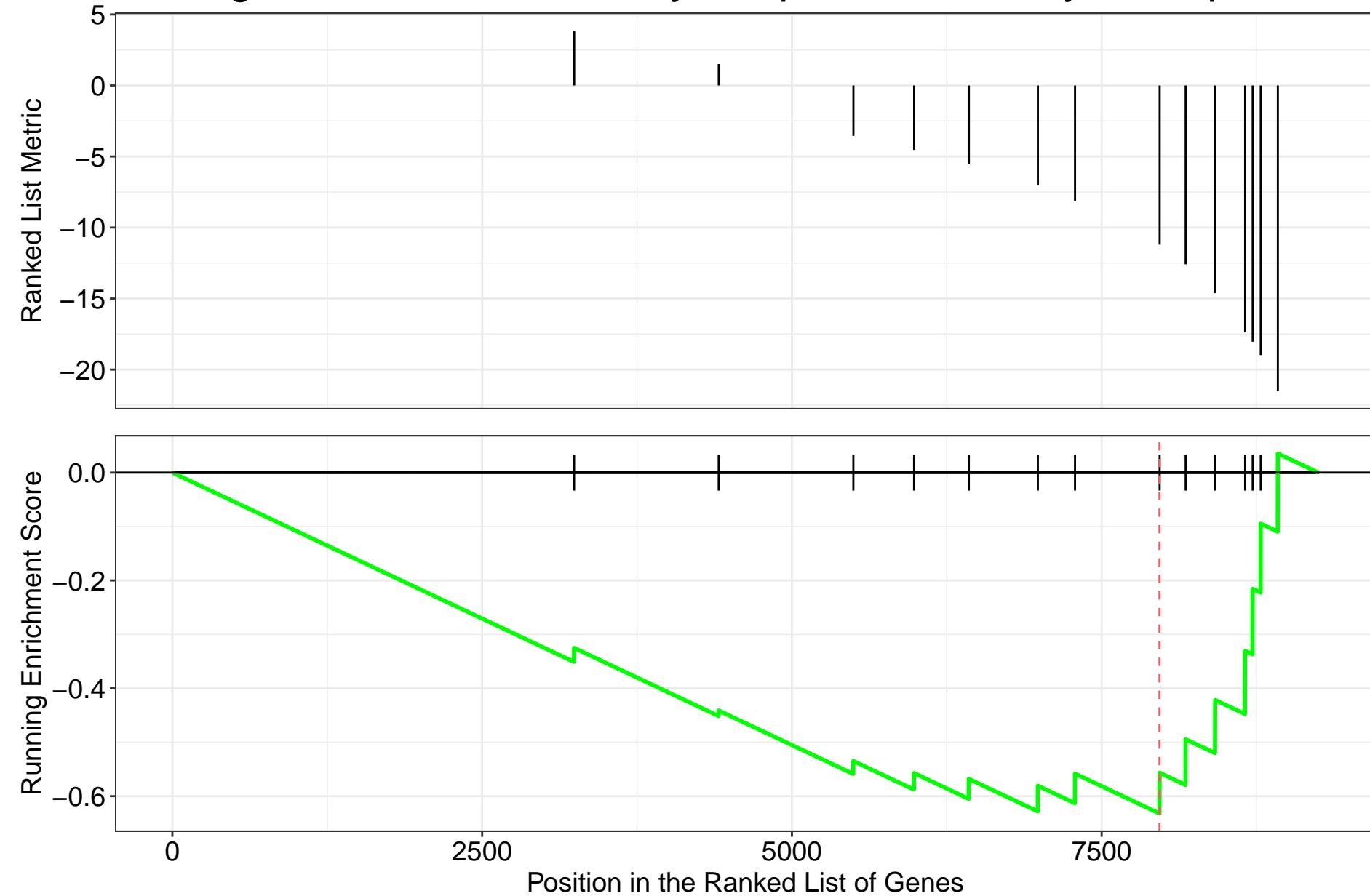
natural killer cell activation



myeloid leukocyte differentiation

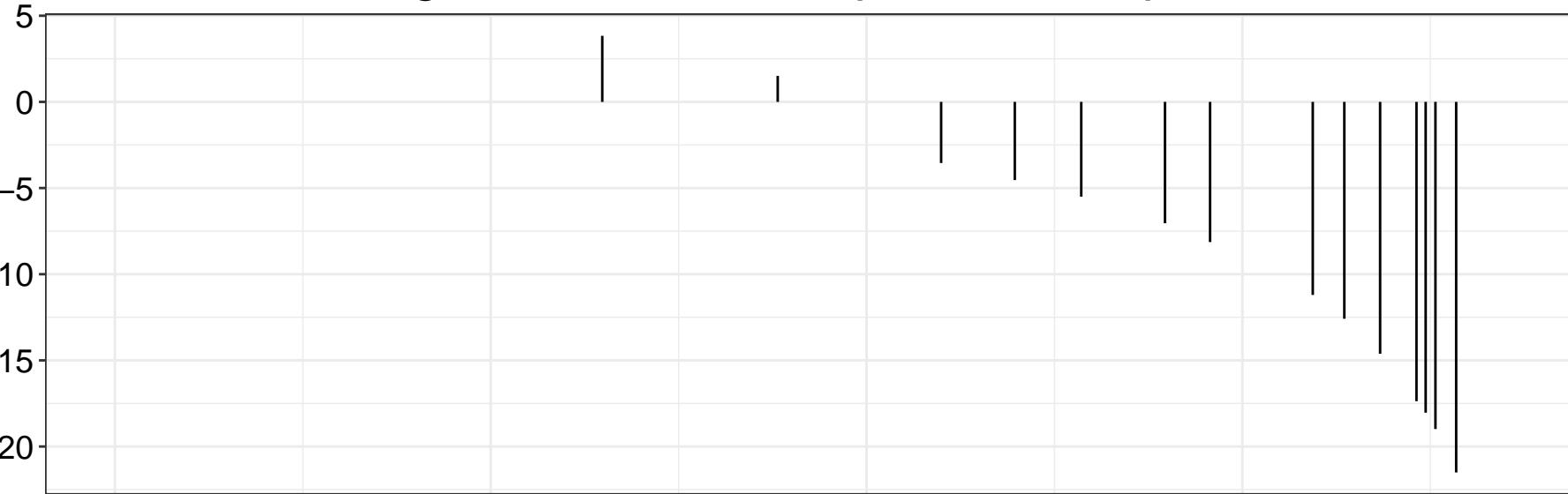


regulation of mitotic cell cycle spindle assembly checkpoint



regulation of mitotic spindle checkpoint

Ranked List Metric



Running Enrichment Score

0

2500

5000

7500

Position in the Ranked List of Genes

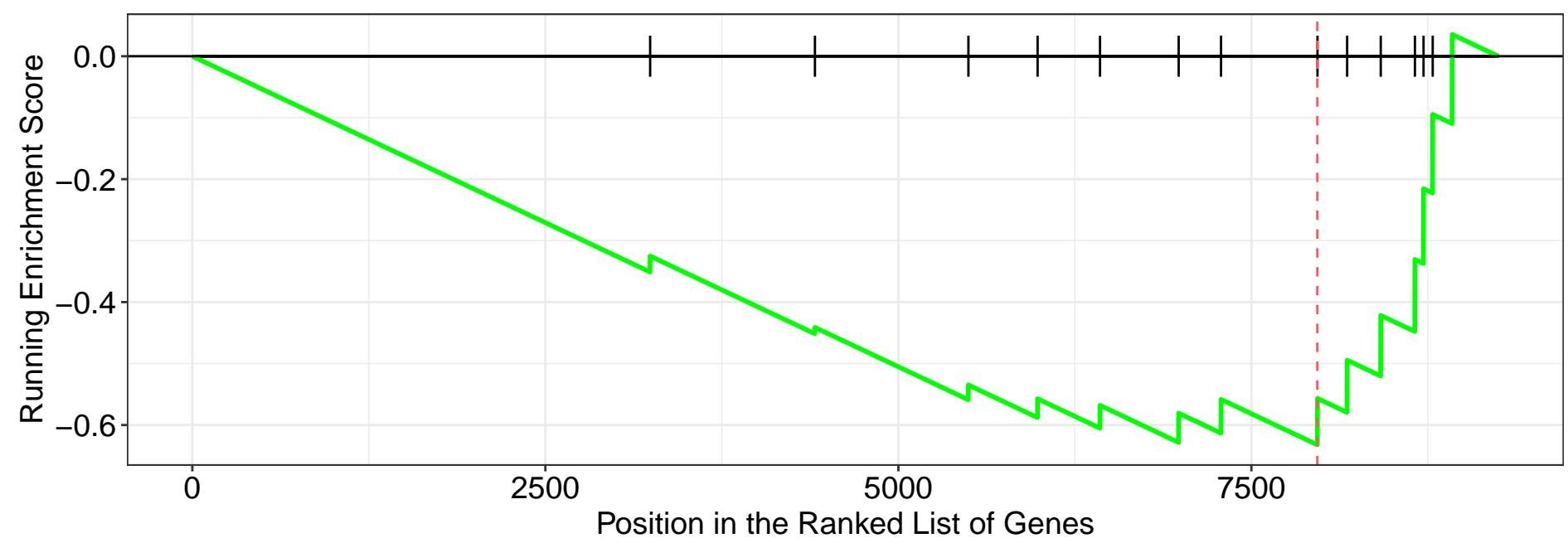
0.0

-0.2

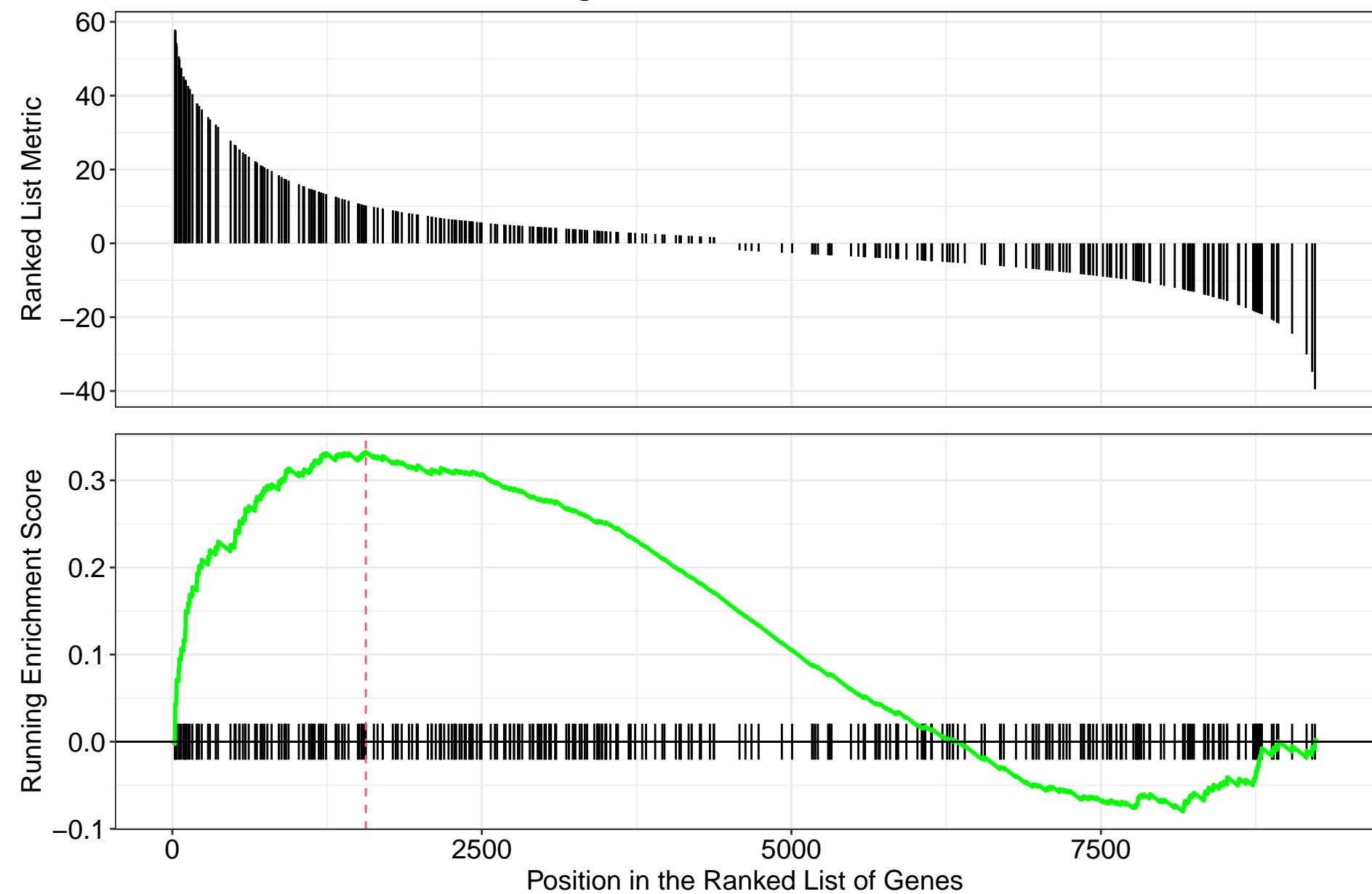
-0.4

-0.6

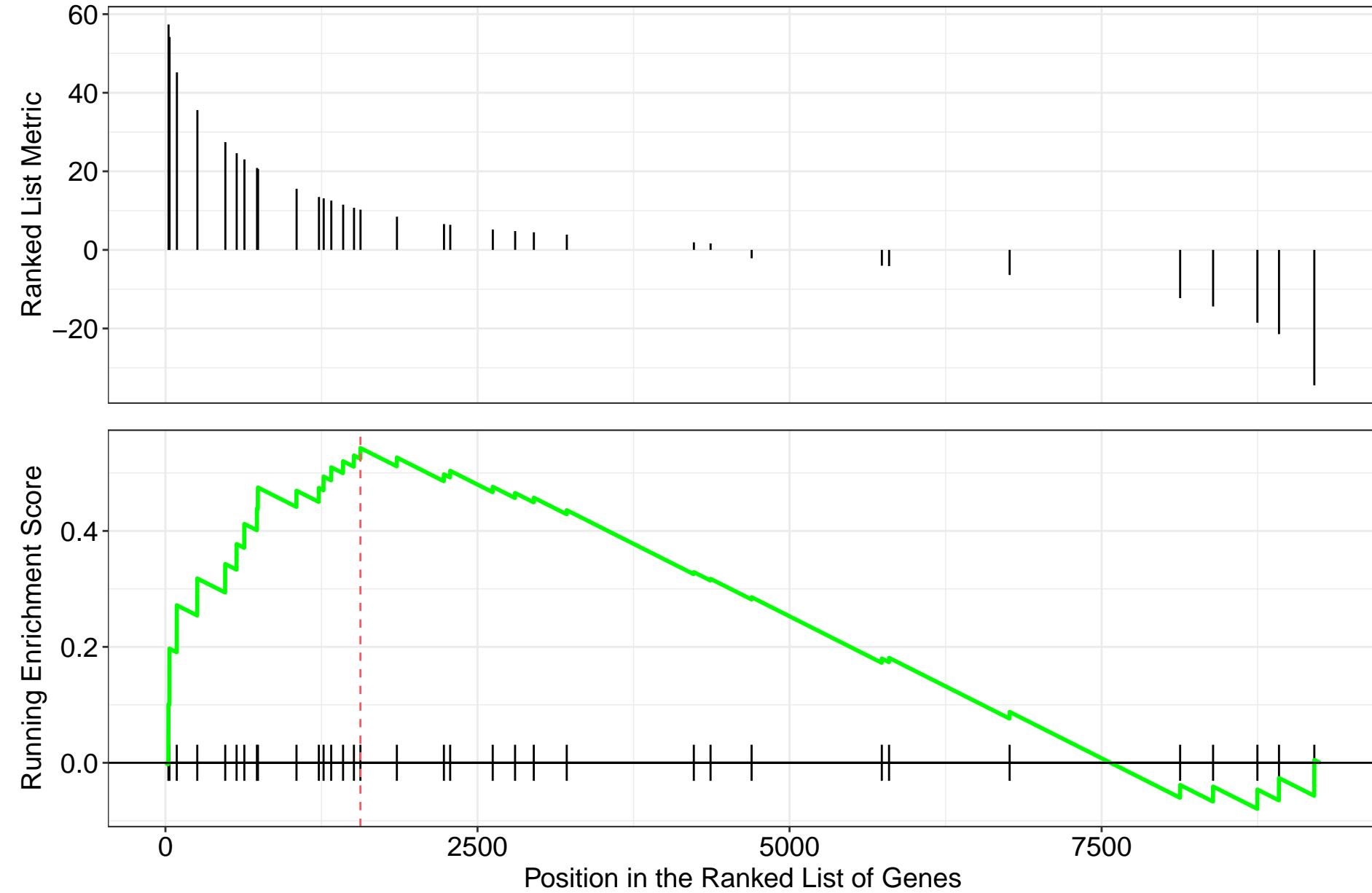
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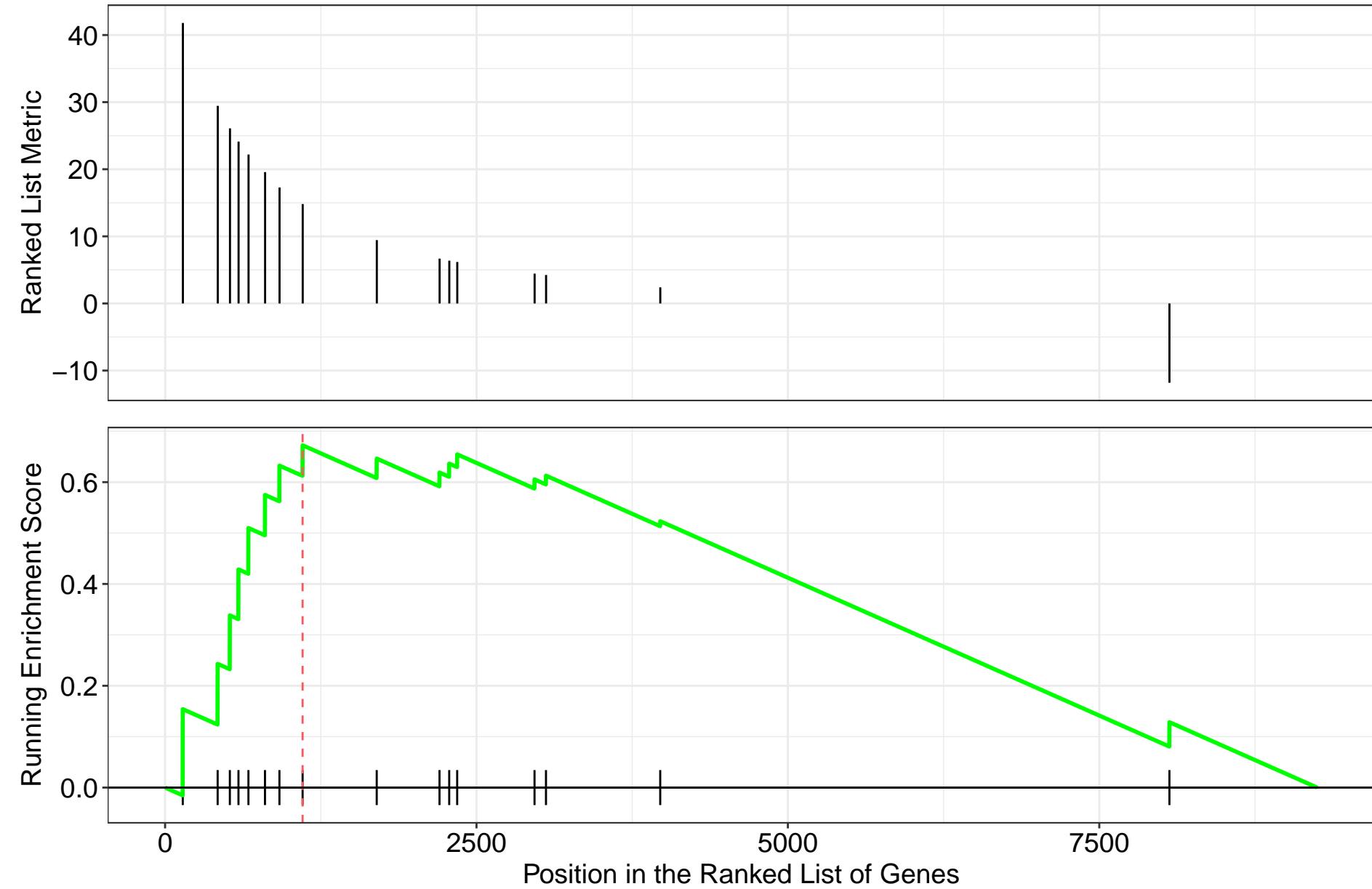
regulation of secretion



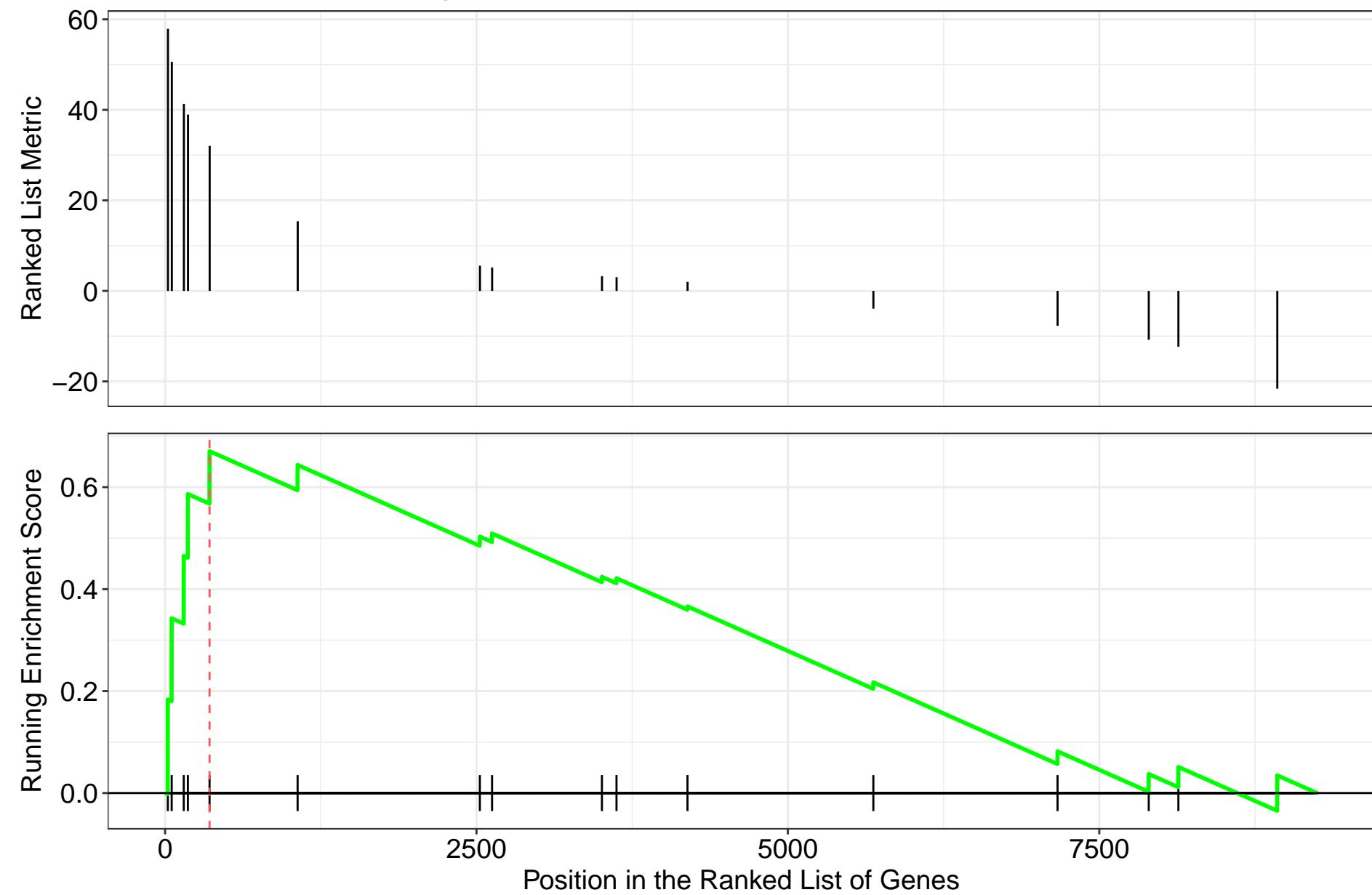
positive regulation of interleukin–8 production



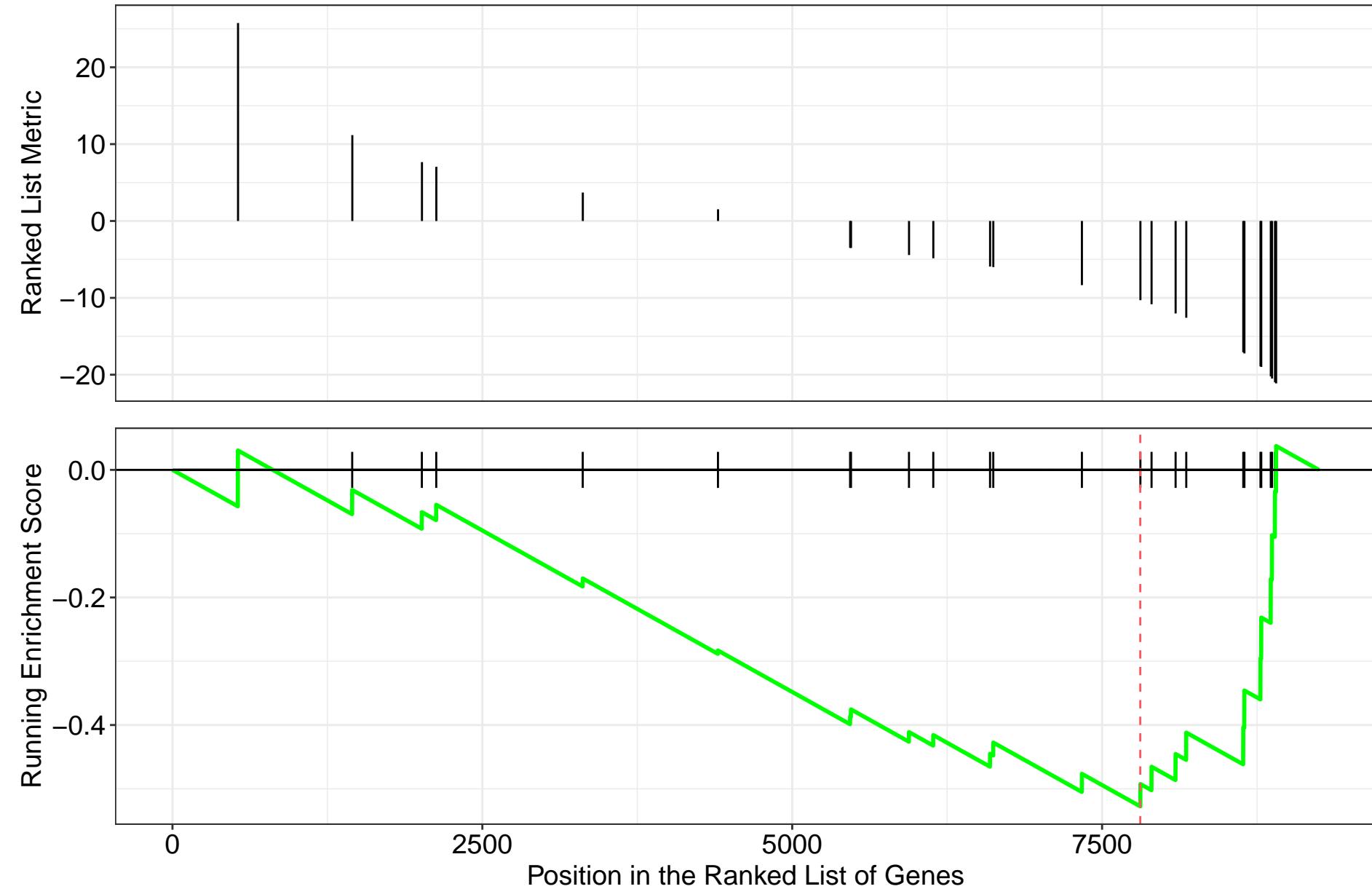
positive regulation of mast cell activation



regulation of lymphocyte chemotaxis

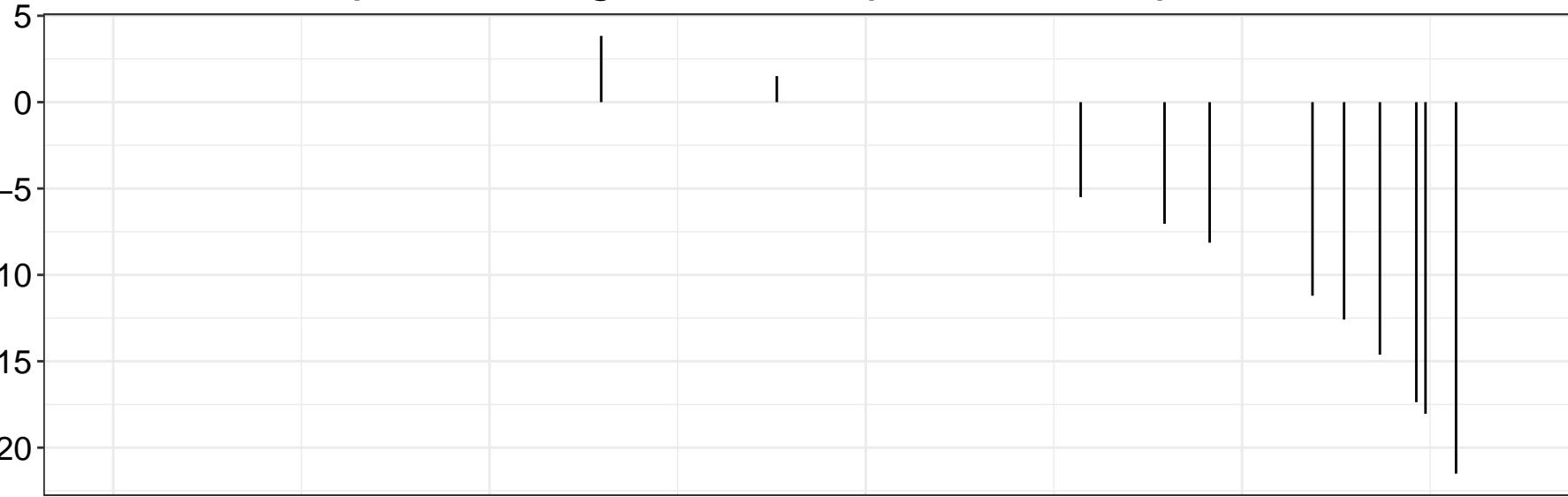


chromosome condensation



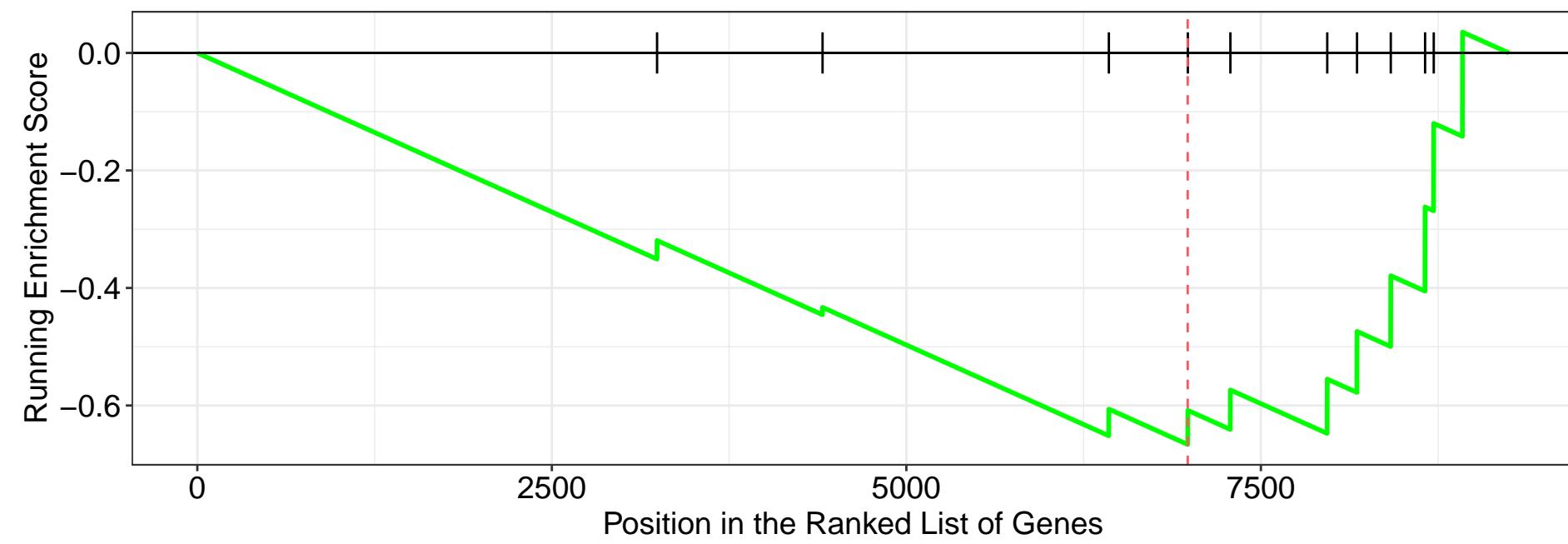
positive regulation of spindle checkpoint

Ranked List Metric



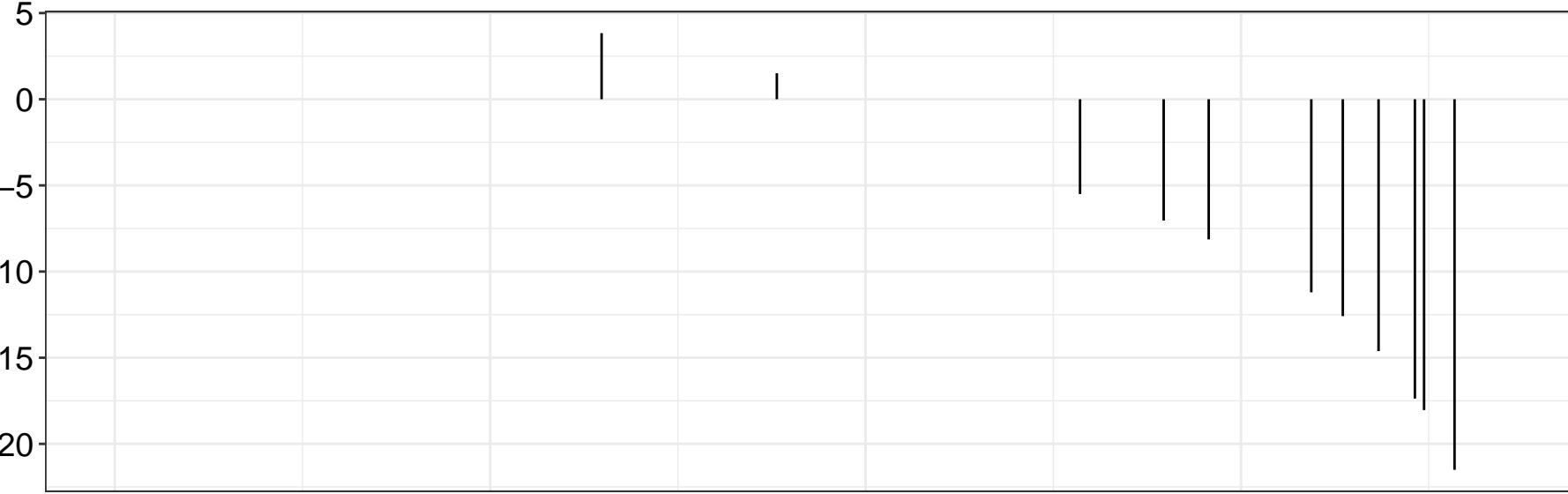
Running Enrichment Score

Position in the Ranked List of Genes



positive regulation of mitotic cell cycle spindle assembly checkpoint

Ranked List Metric



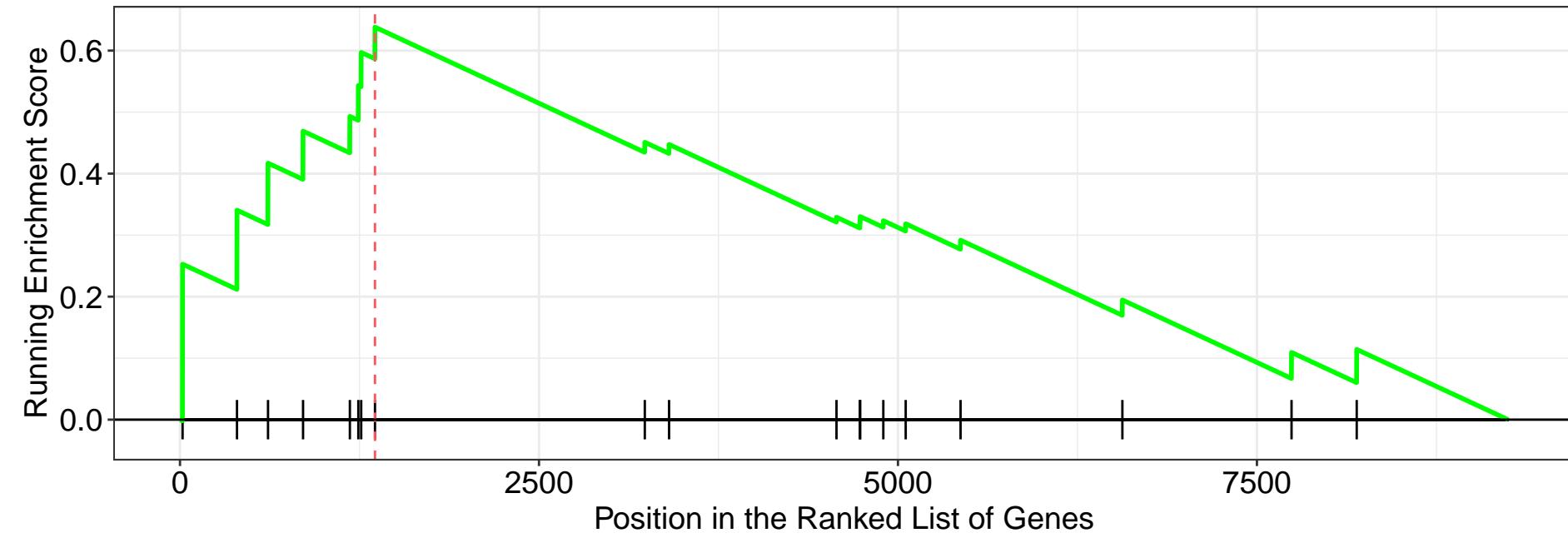
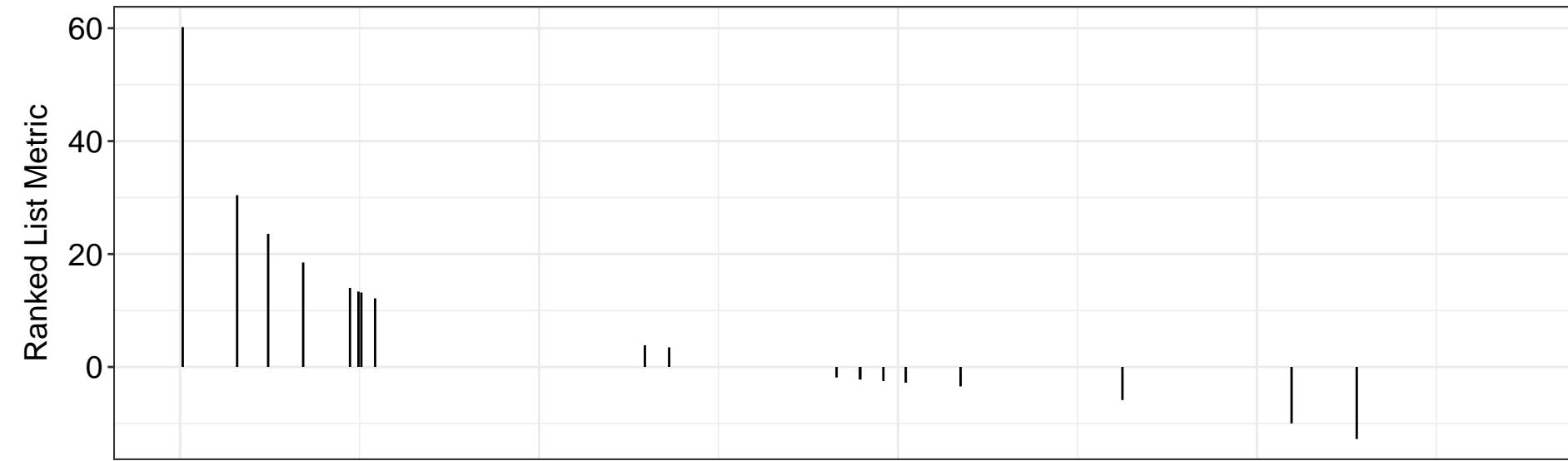
Running Enrichment Score

0 2500 5000 7500

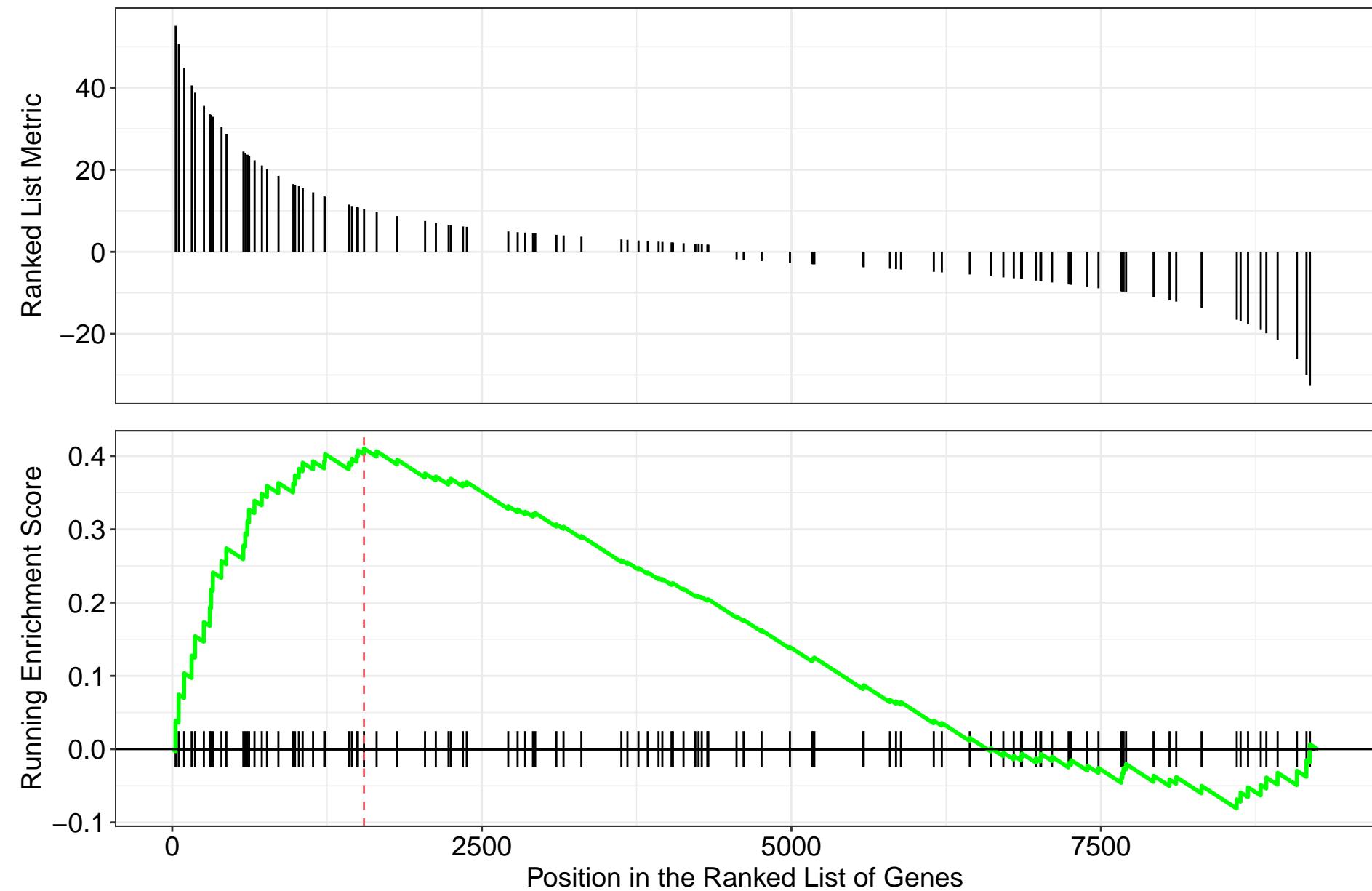
Position in the Ranked List of Genes



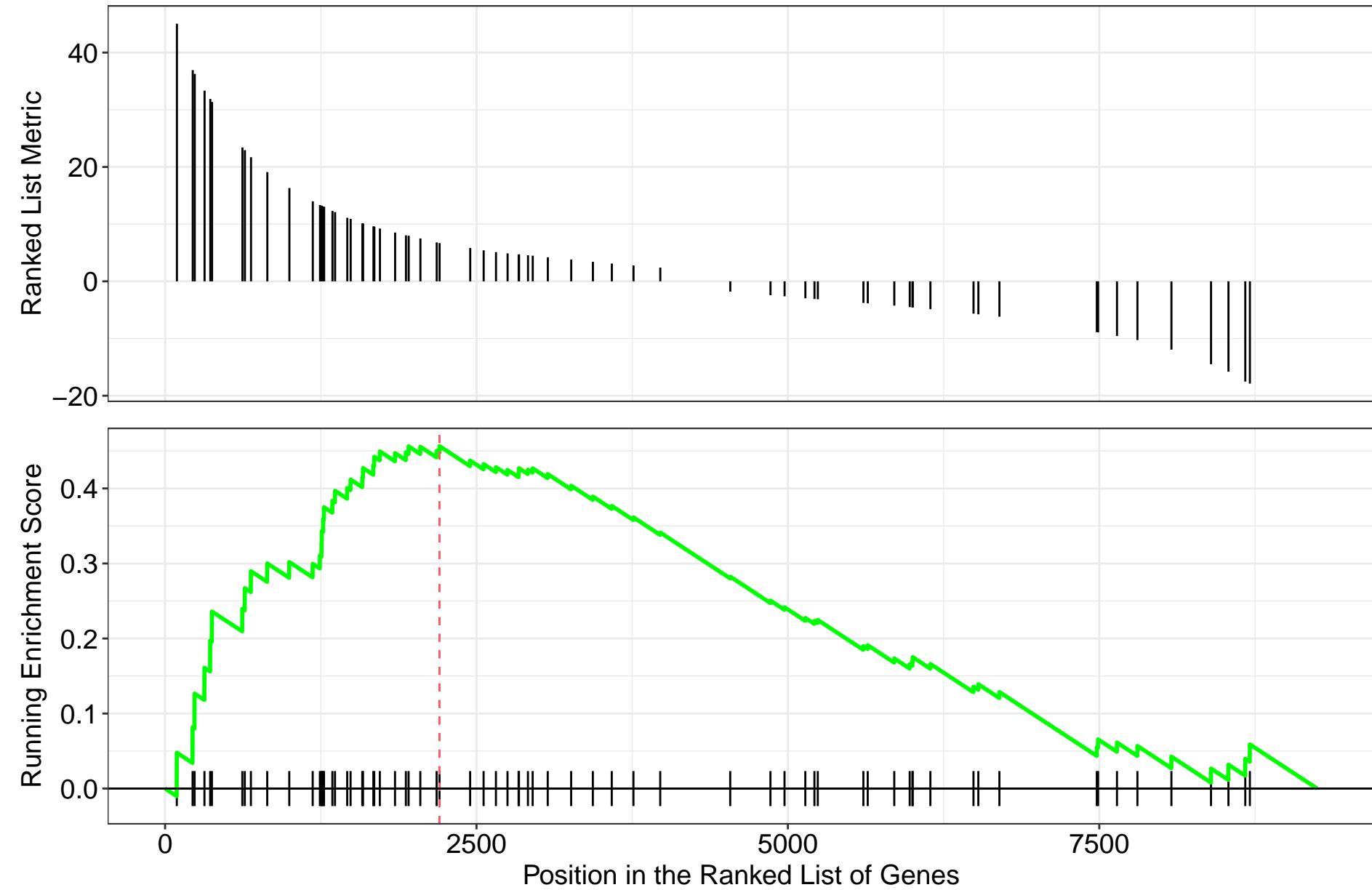
mitochondrial depolarization



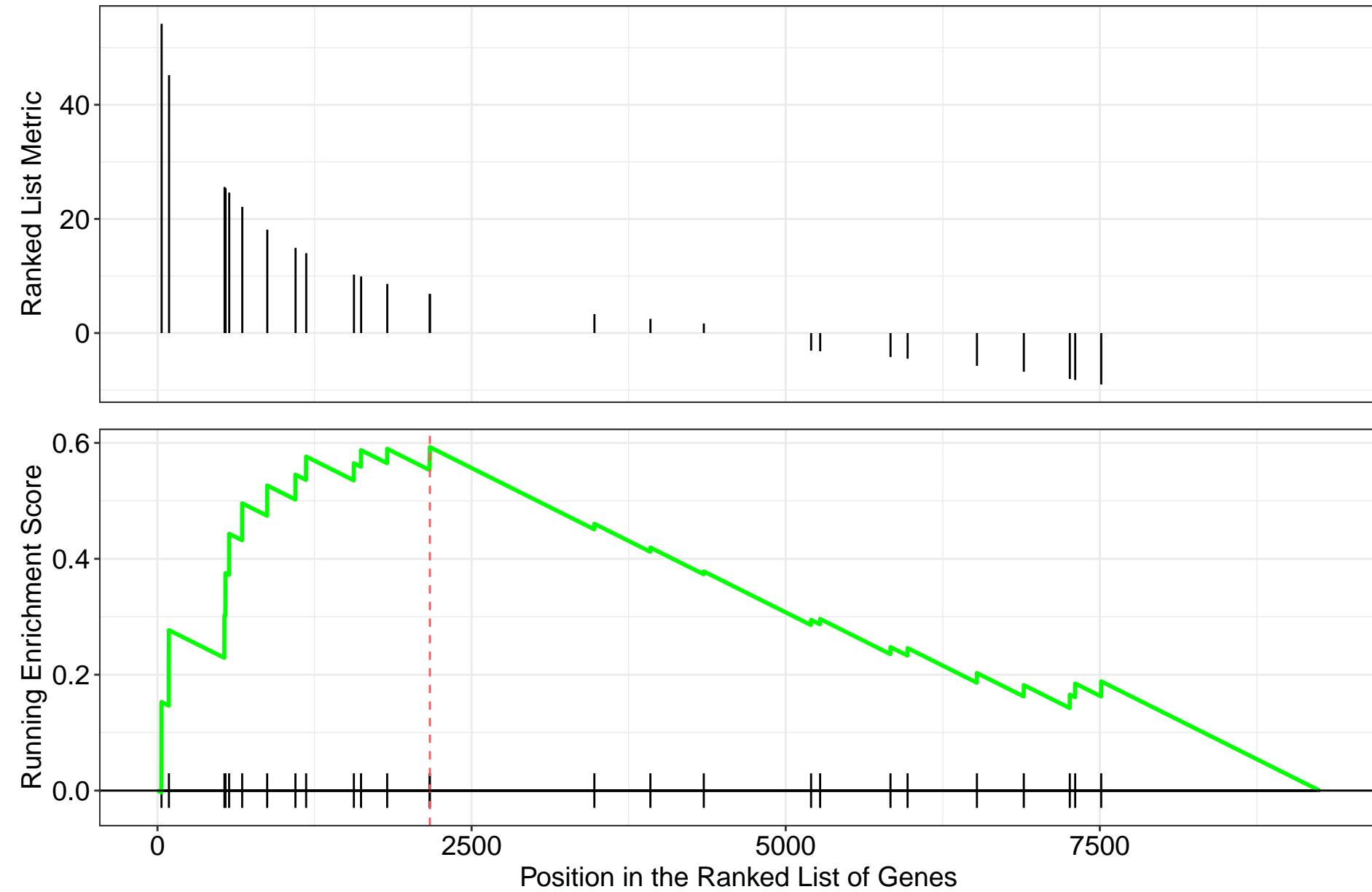
sex differentiation



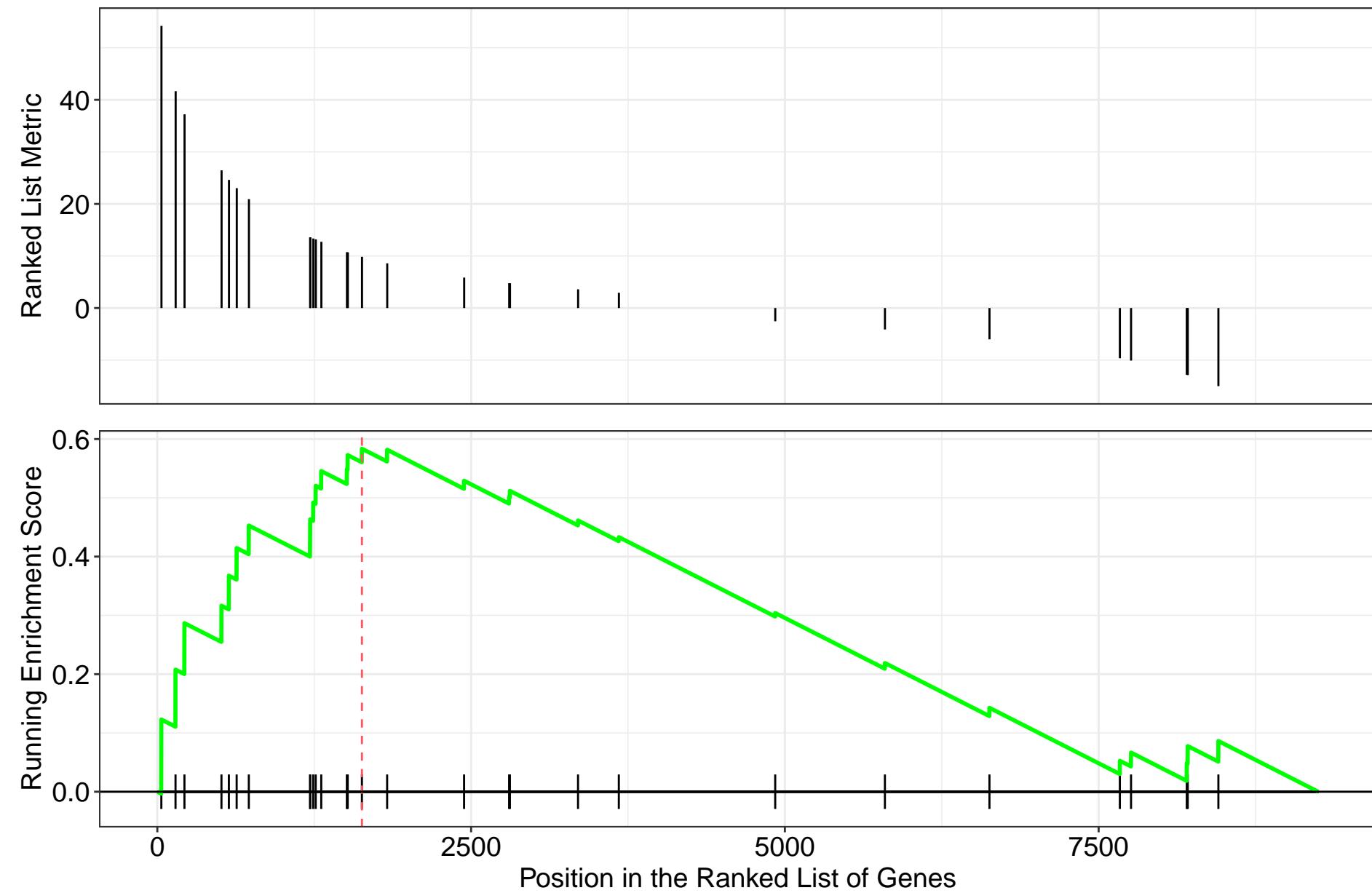
movement in host



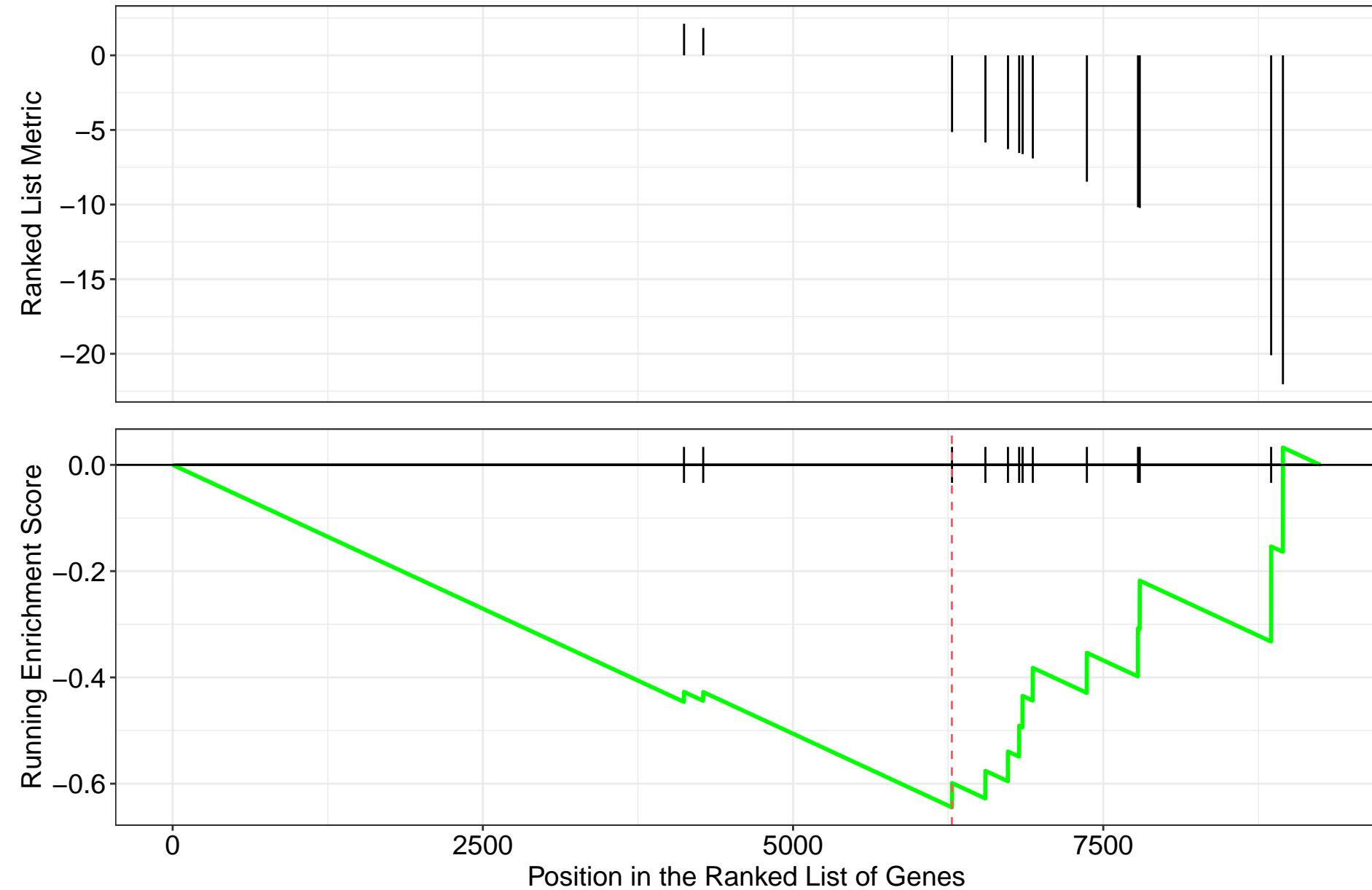
regulation of glial cell proliferation



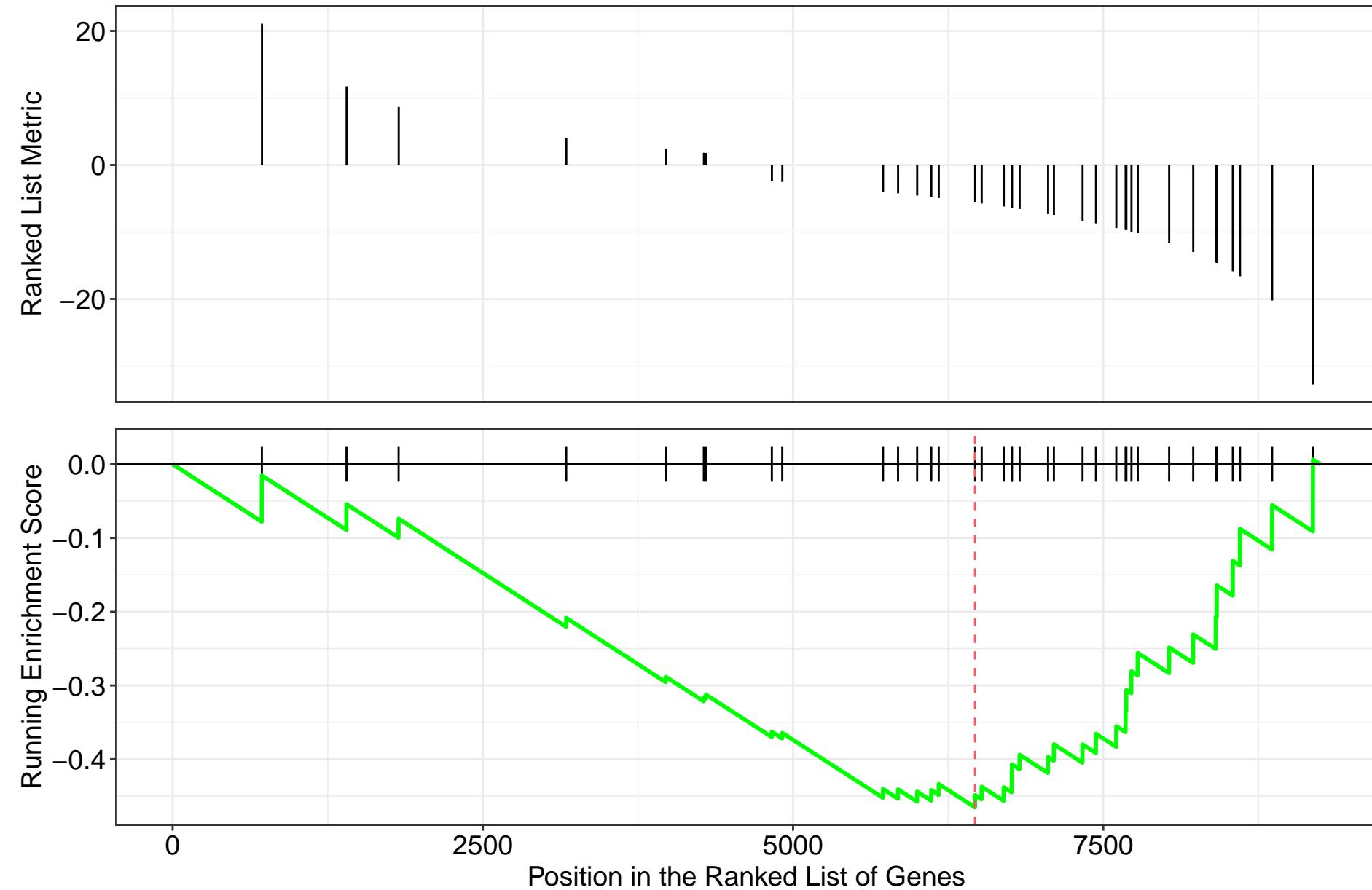
glial cell activation



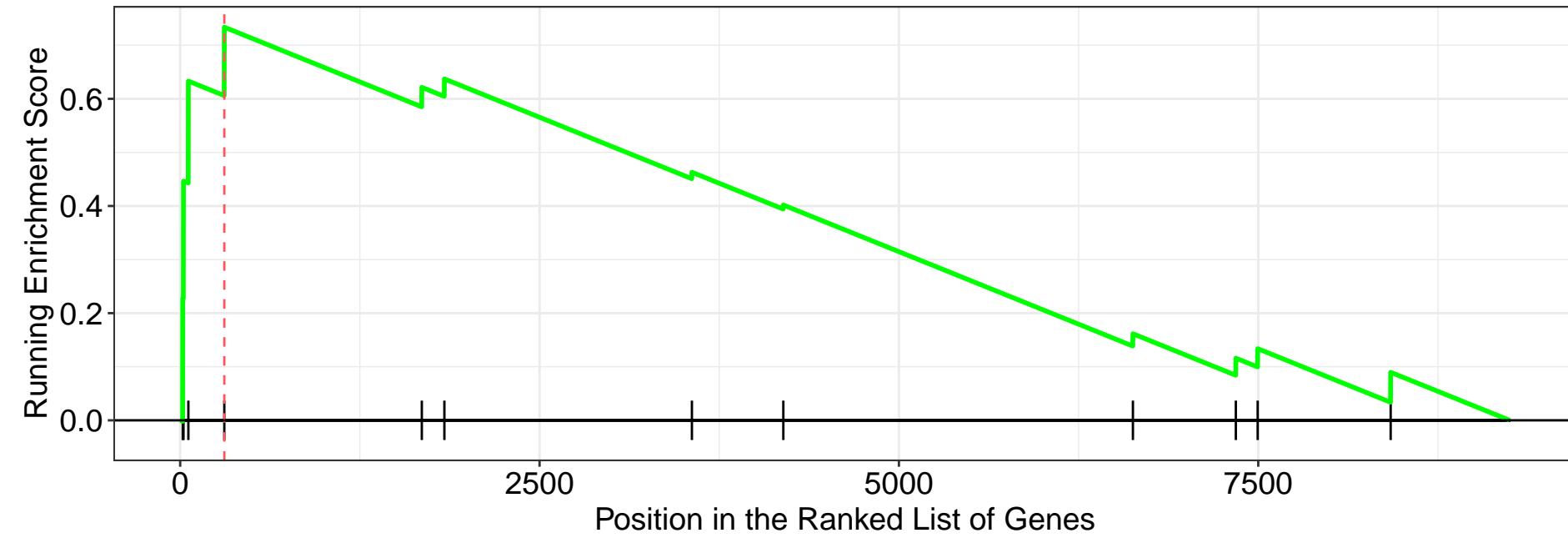
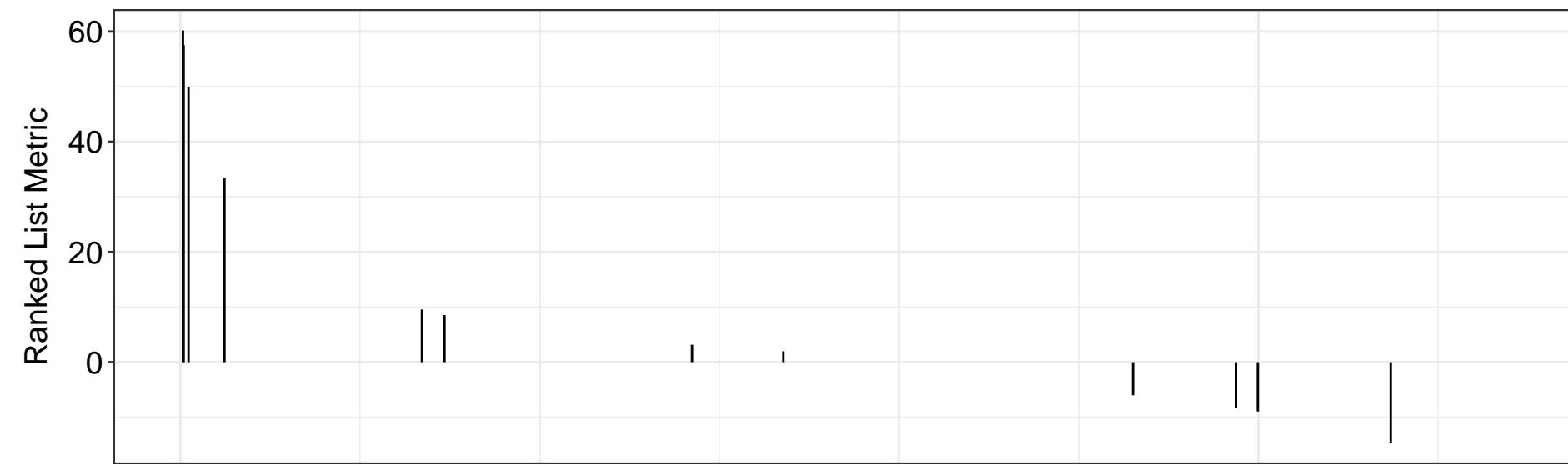
centriole–centriole cohesion



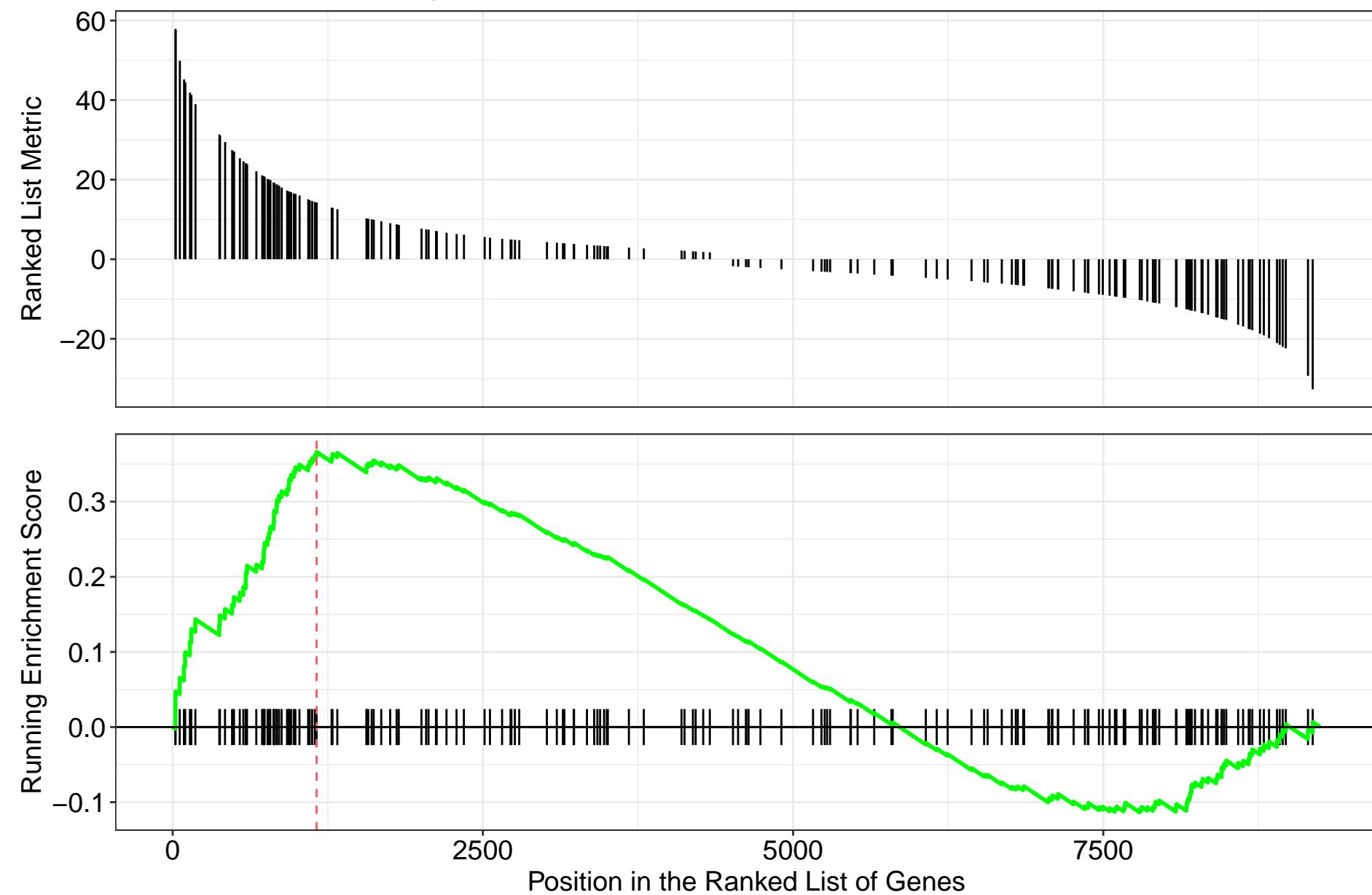
DNA conformation change



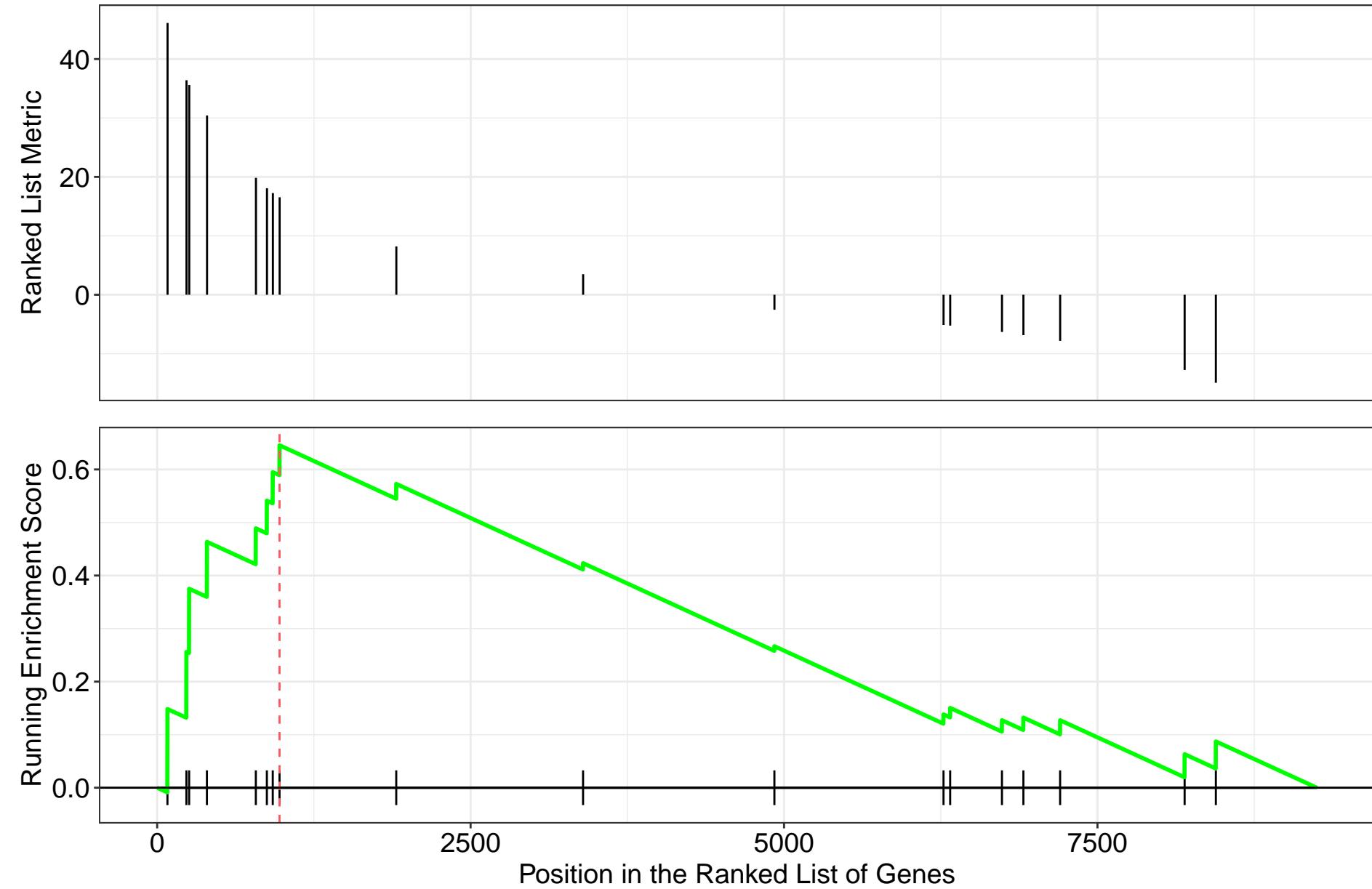
regulation of vascular endothelial growth factor signaling pathway



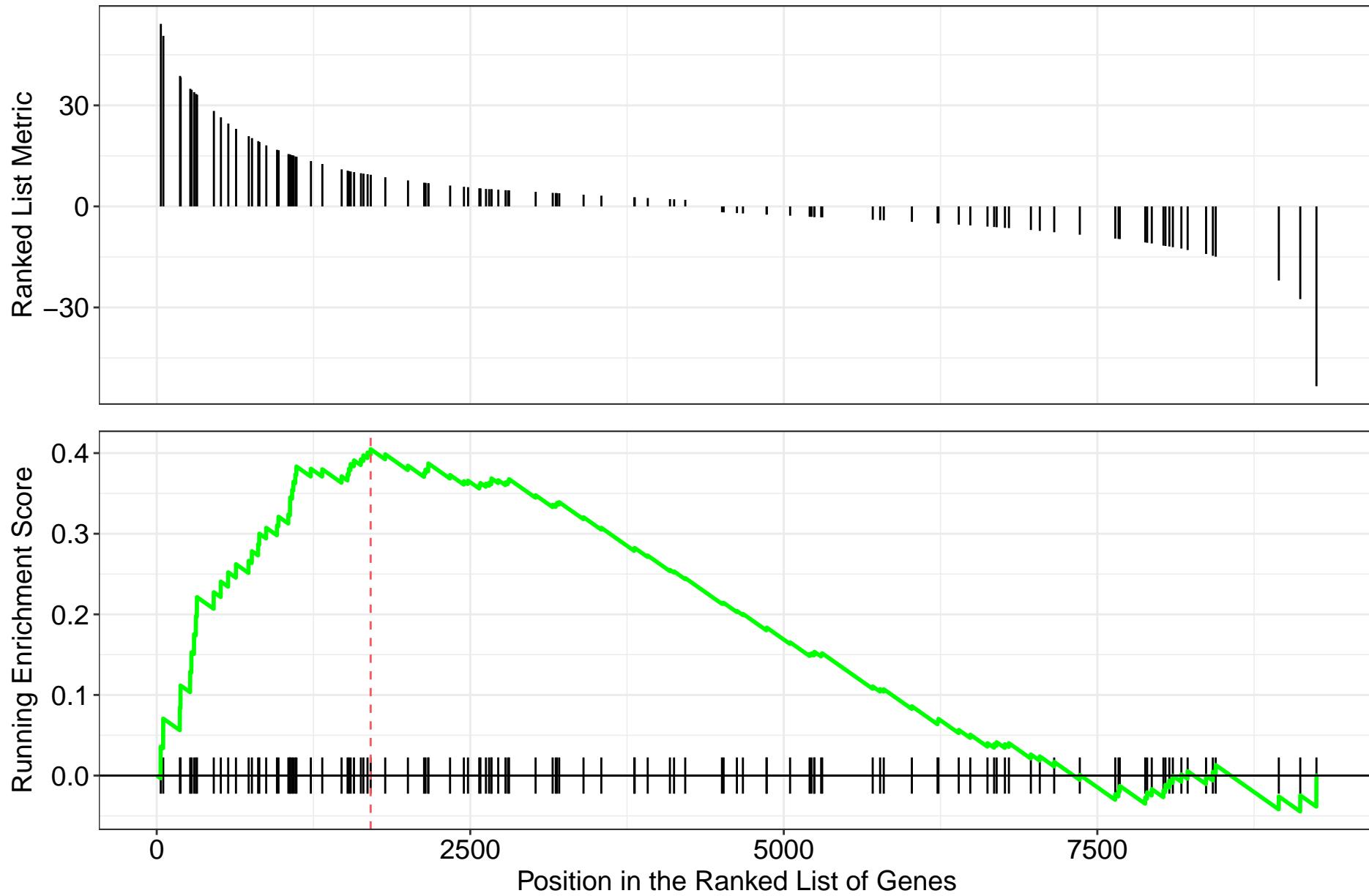
regulation of epithelial cell proliferation



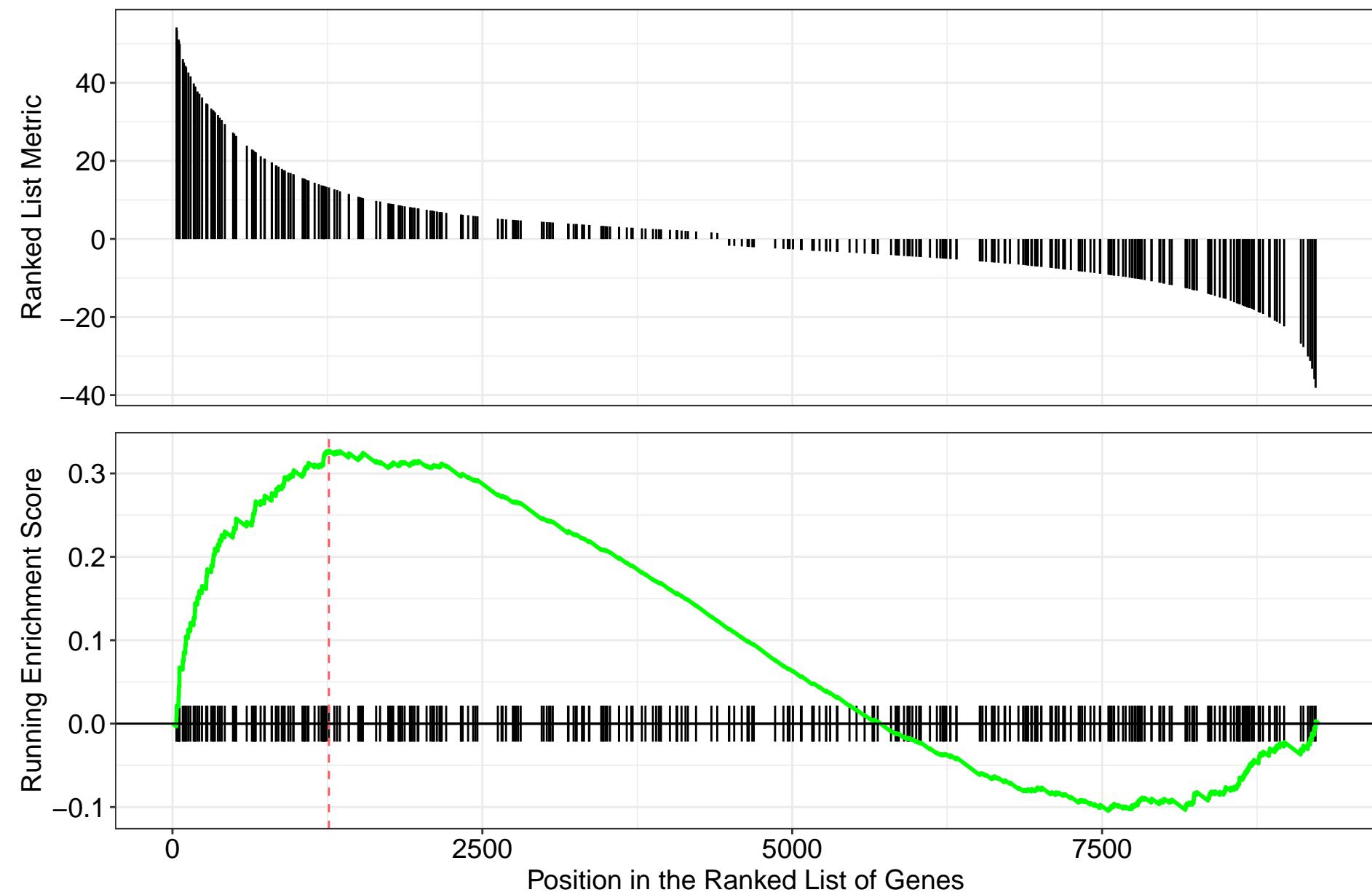
negative regulation of cell–matrix adhesion



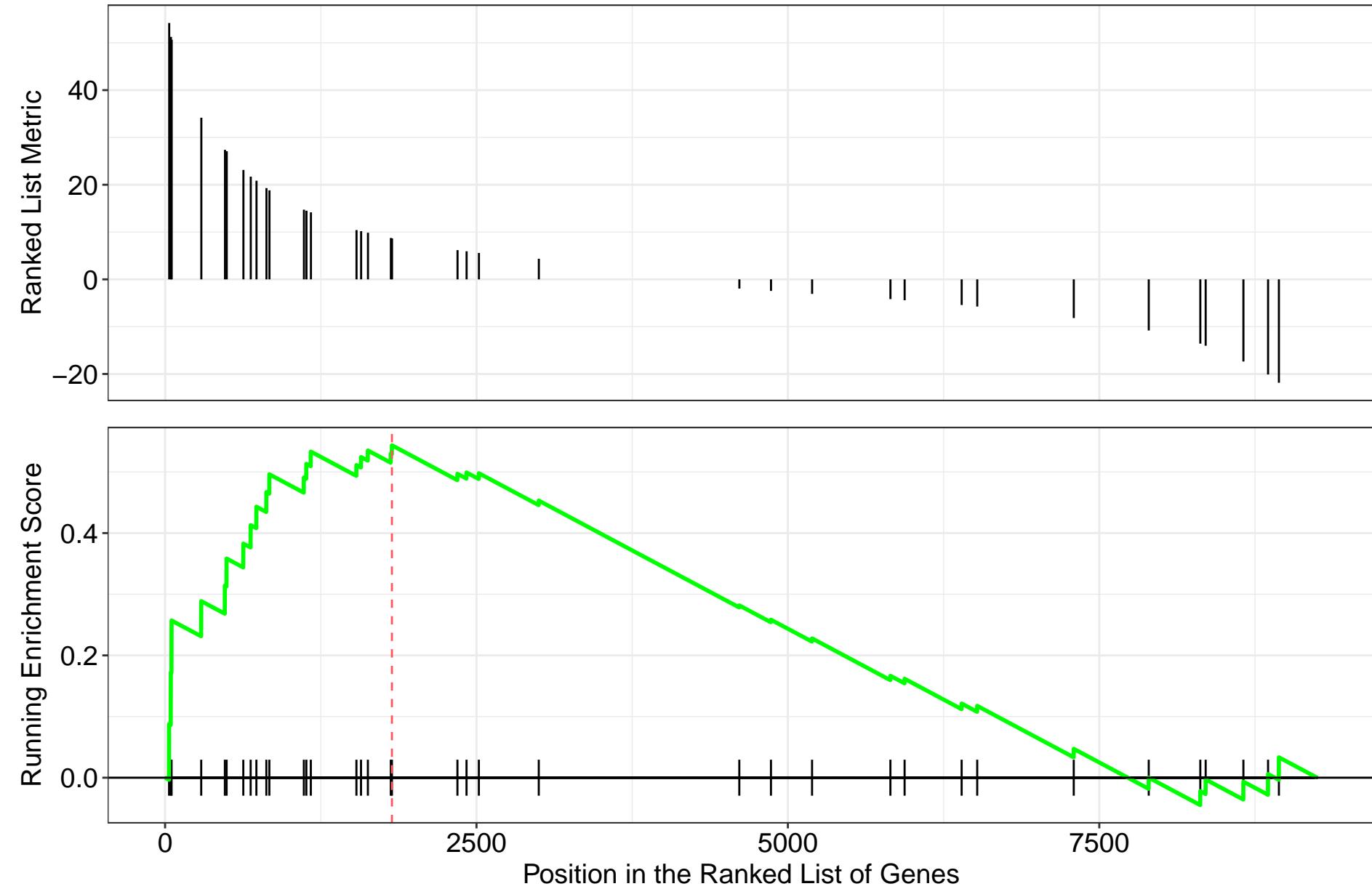
regulation of stress-activated protein kinase signaling cascade



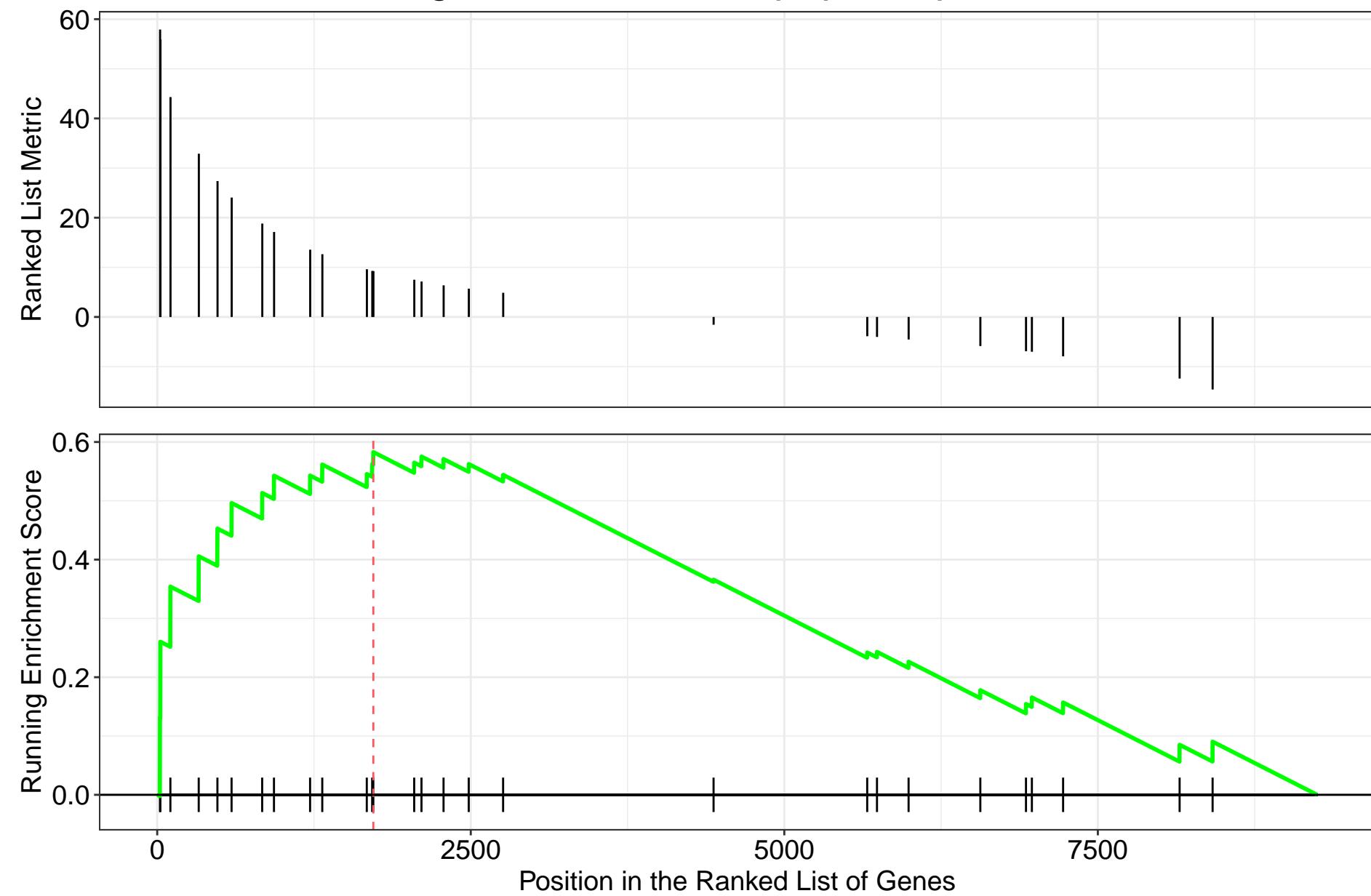
nervous system process



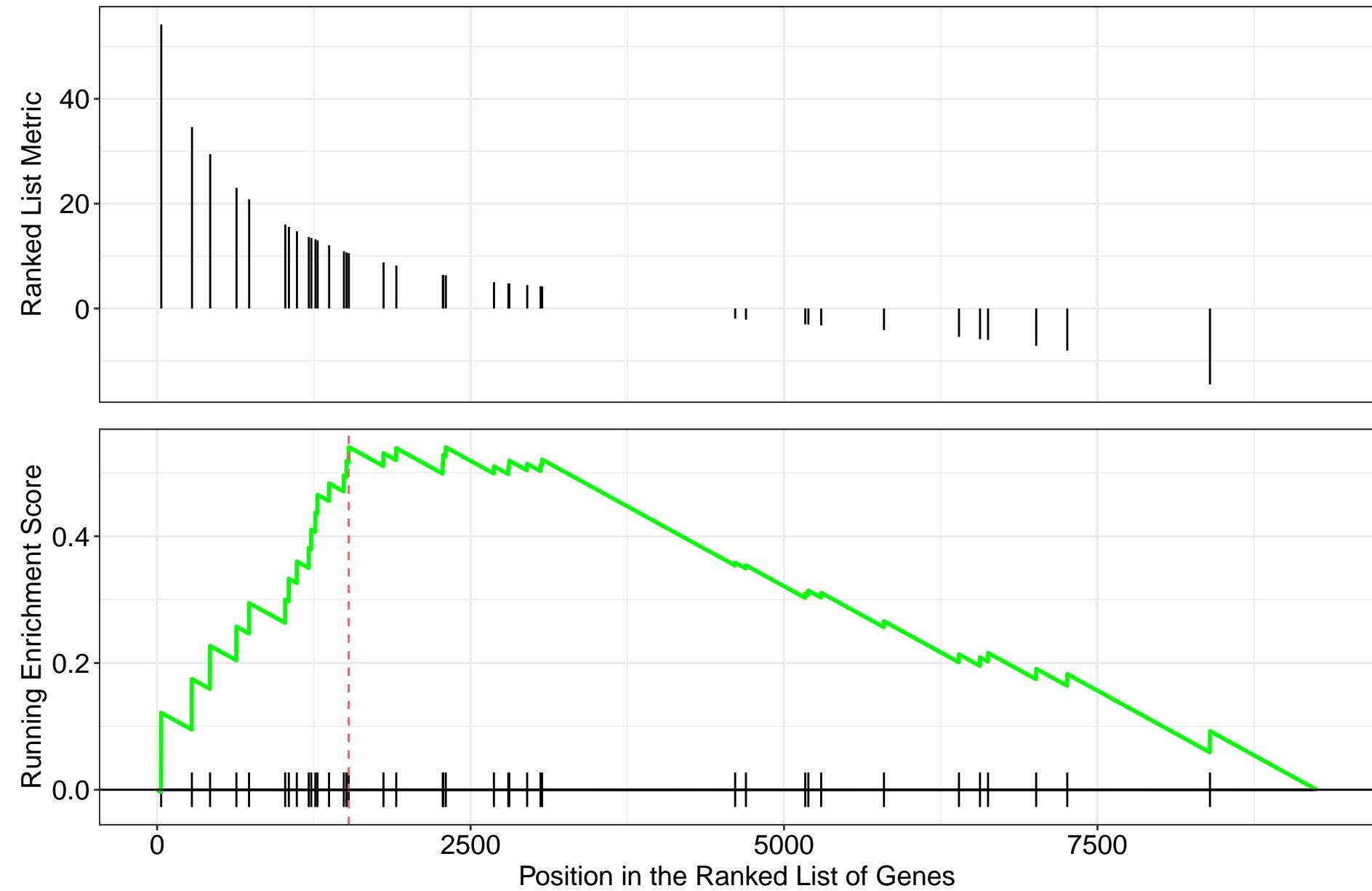
regulation of interleukin–2 production



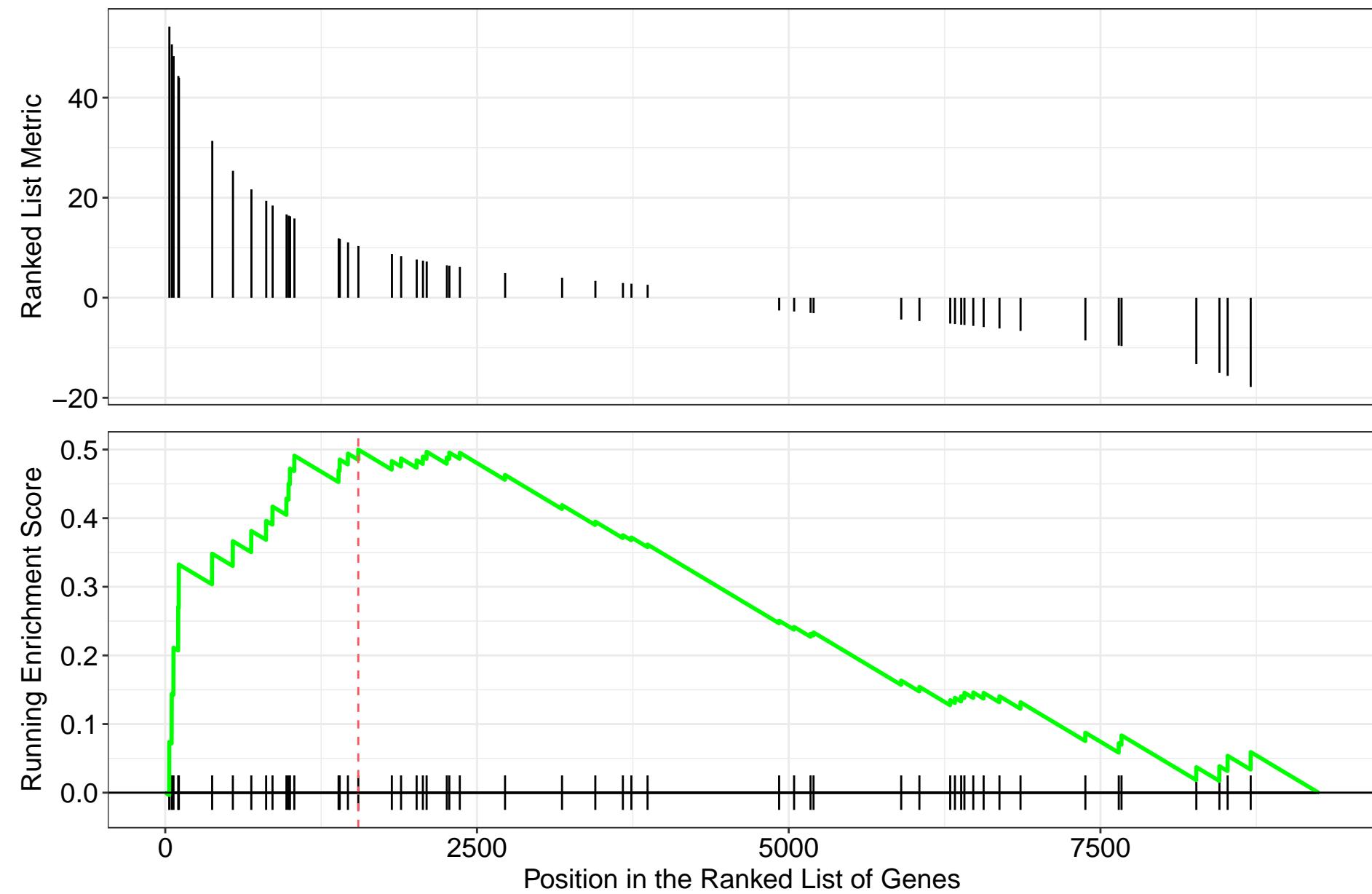
regulation of T cell apoptotic process



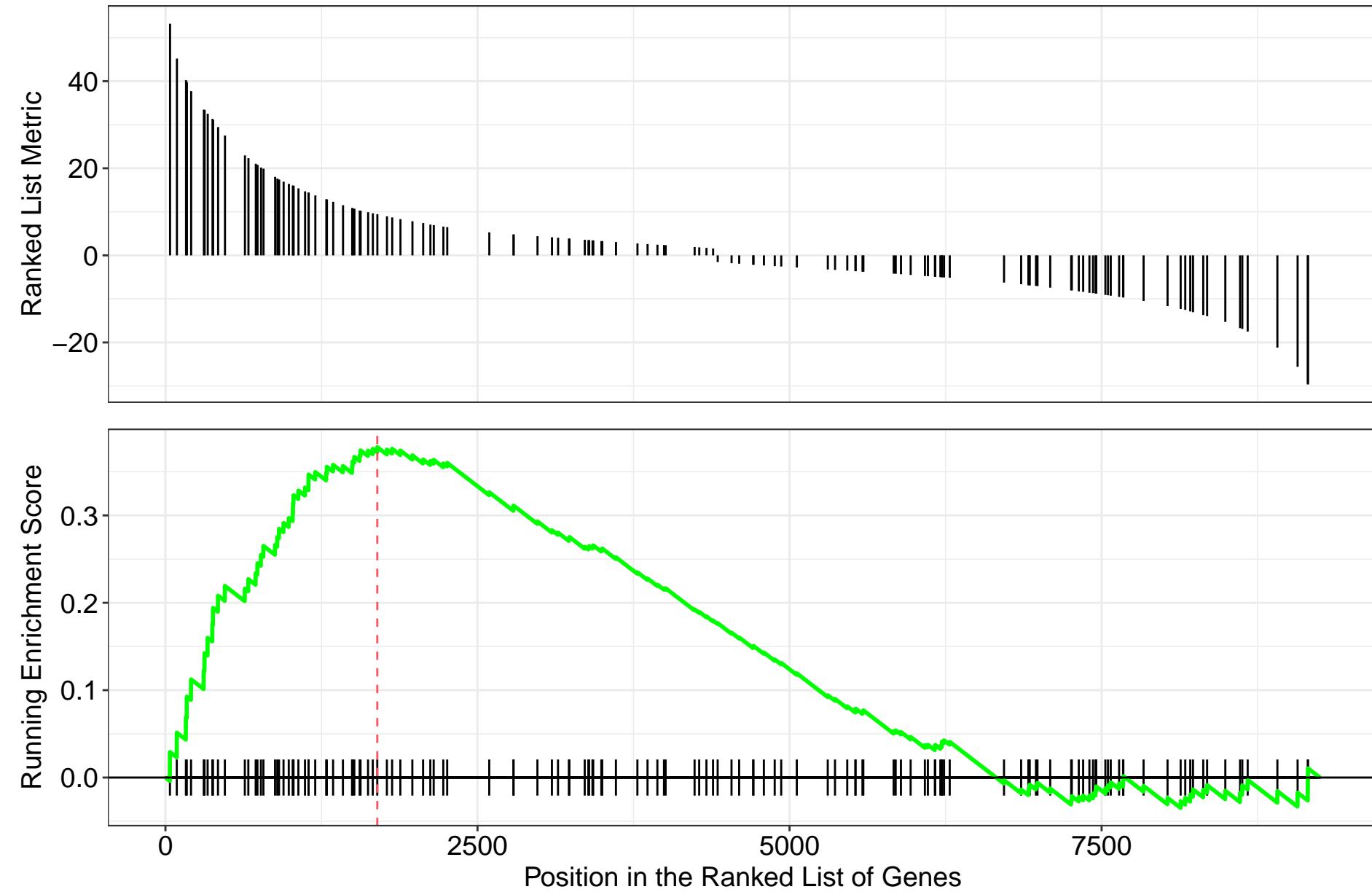
myeloid leukocyte cytokine production



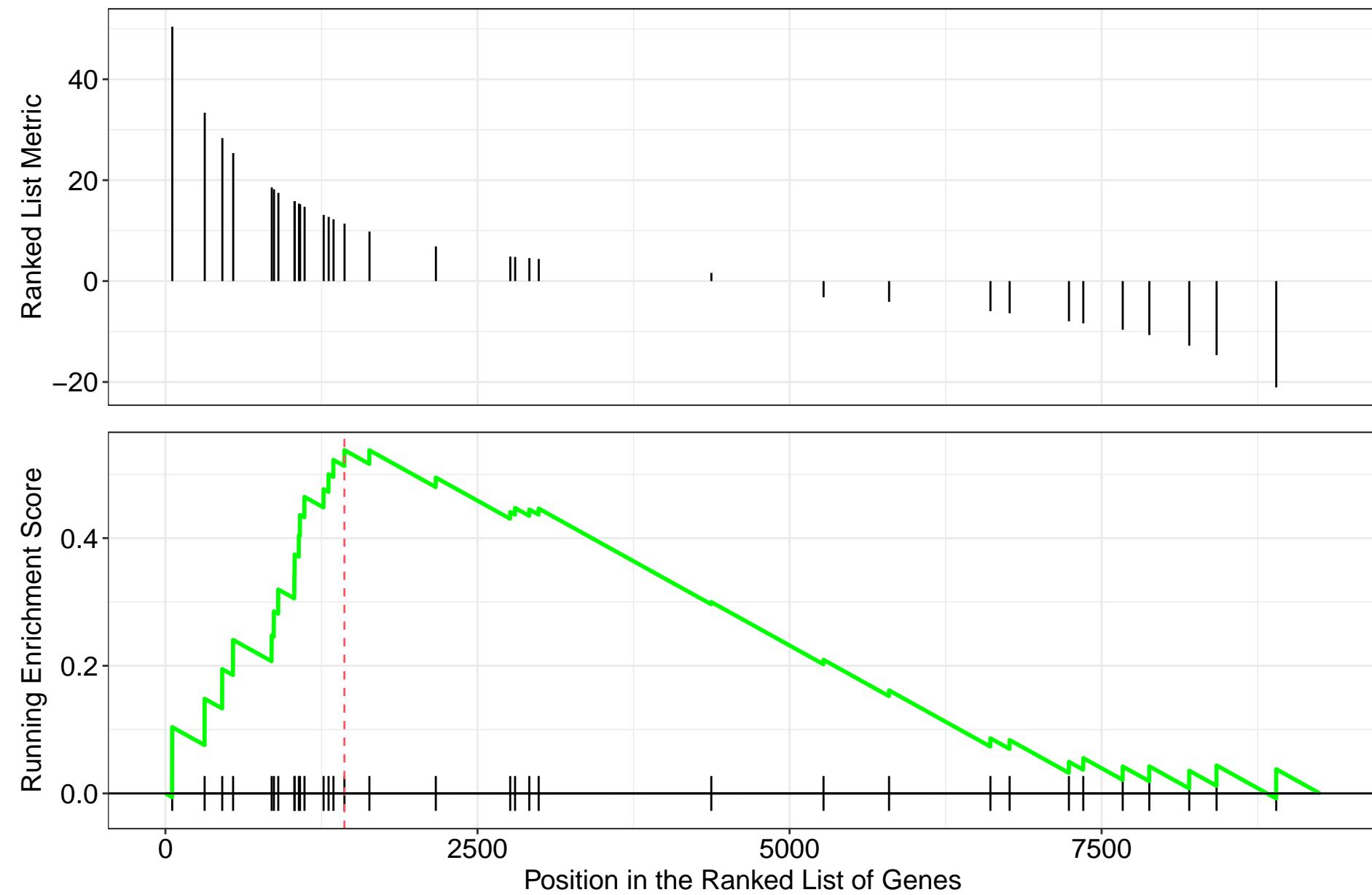
positive regulation of lipid localization



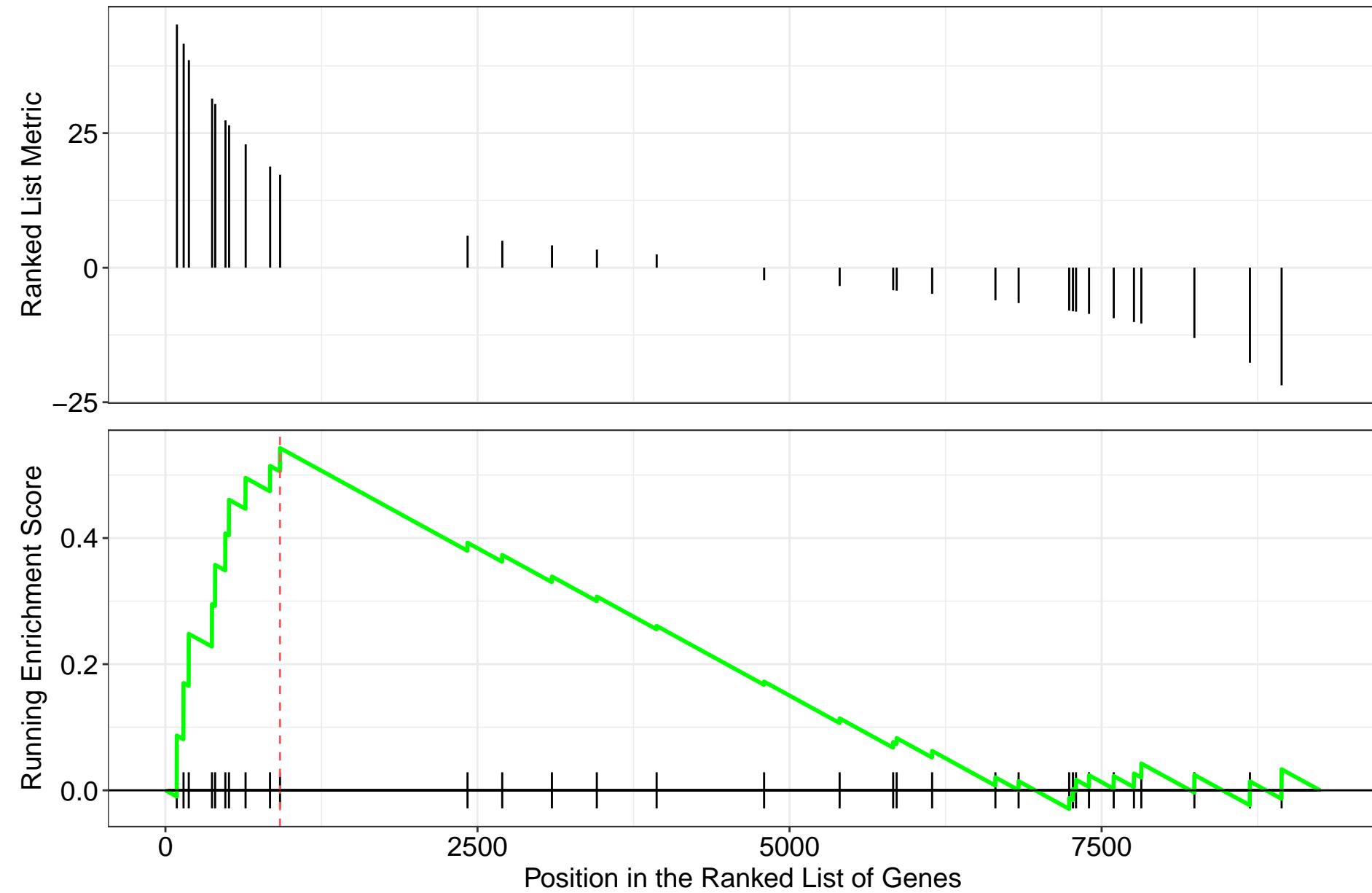
muscle organ development



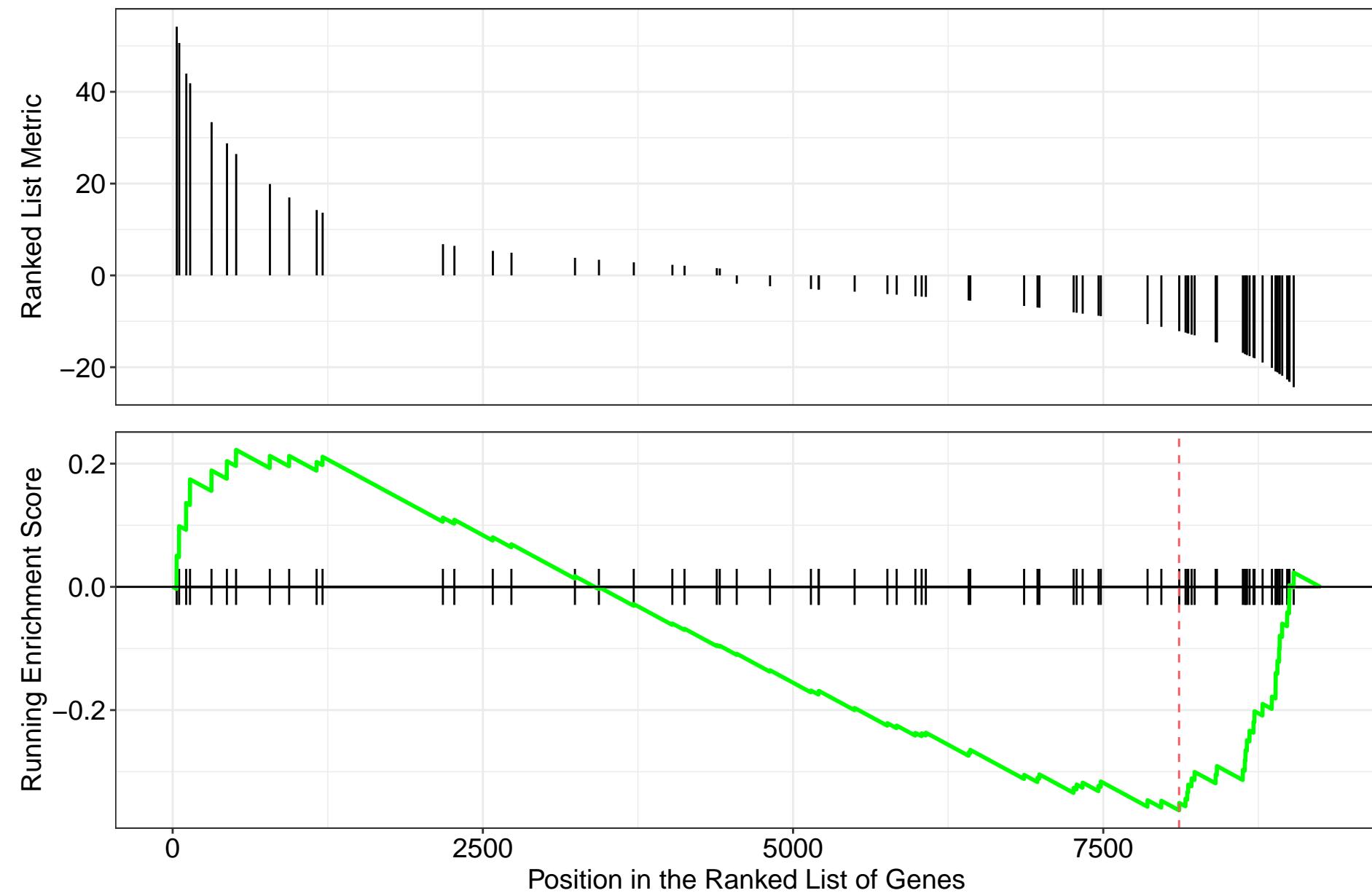
toll-like receptor 4 signaling pathway



positive regulation of immunoglobulin production

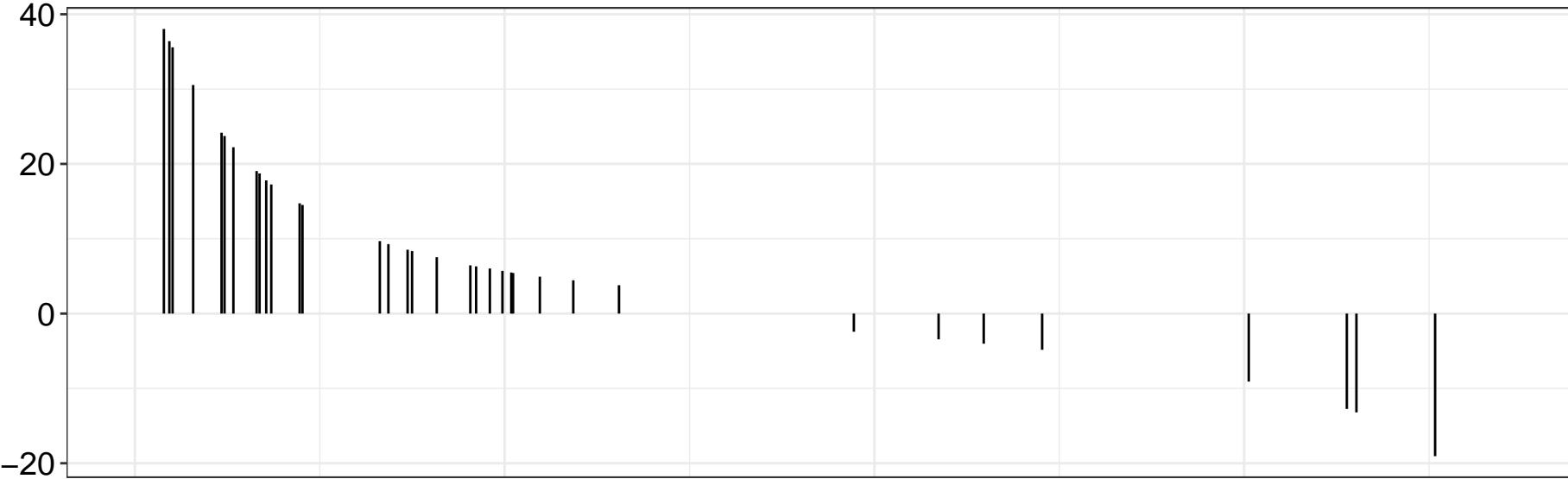


regulation of mitotic nuclear division



zymogen activation

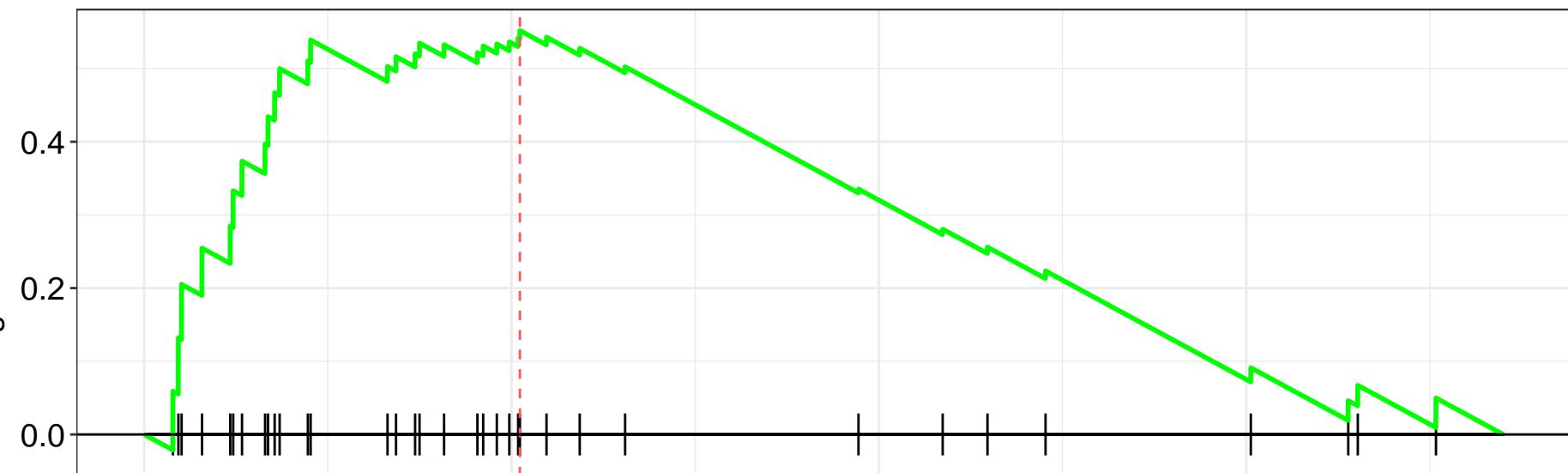
Ranked List Metric



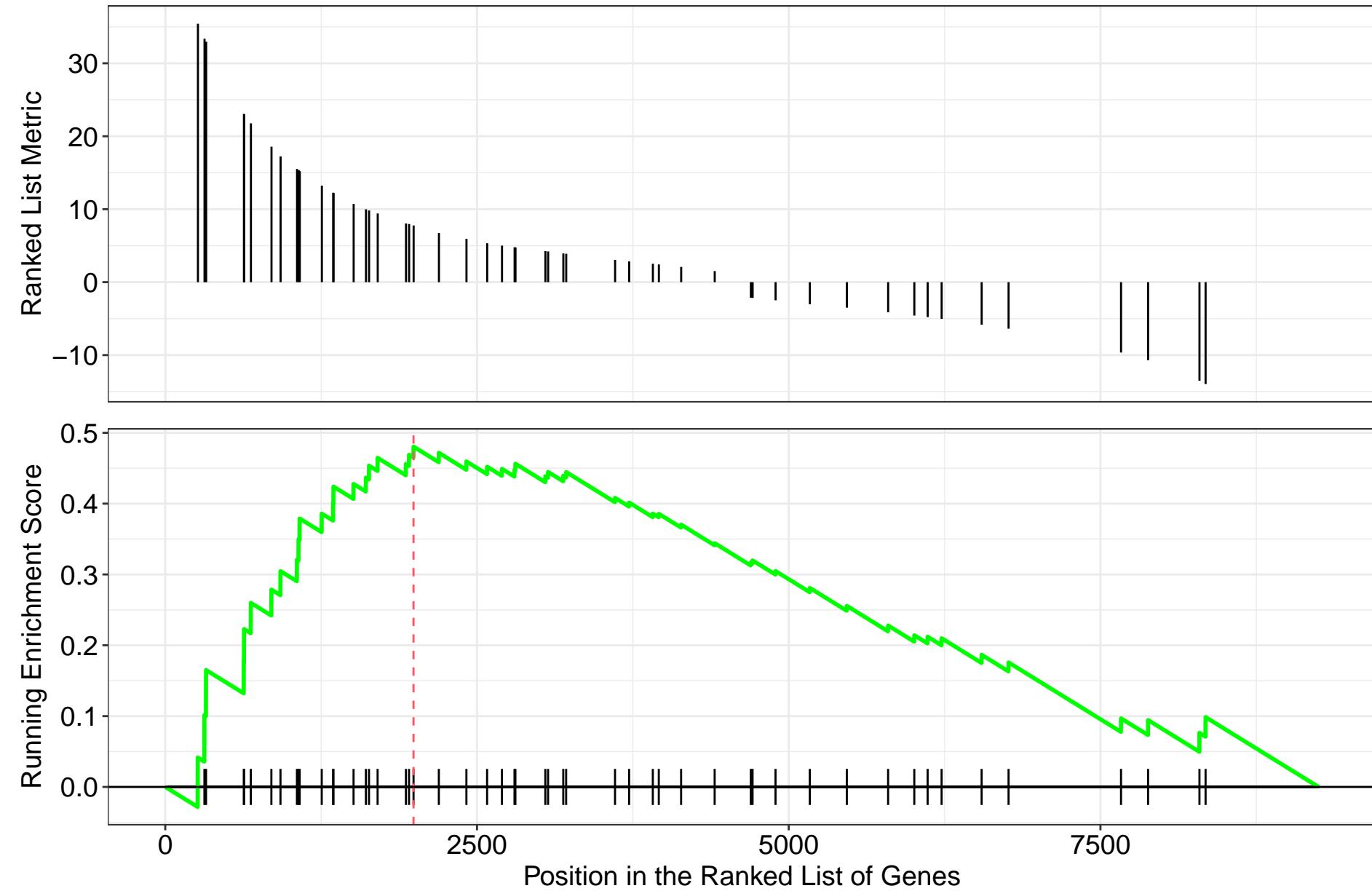
Running Enrichment Score

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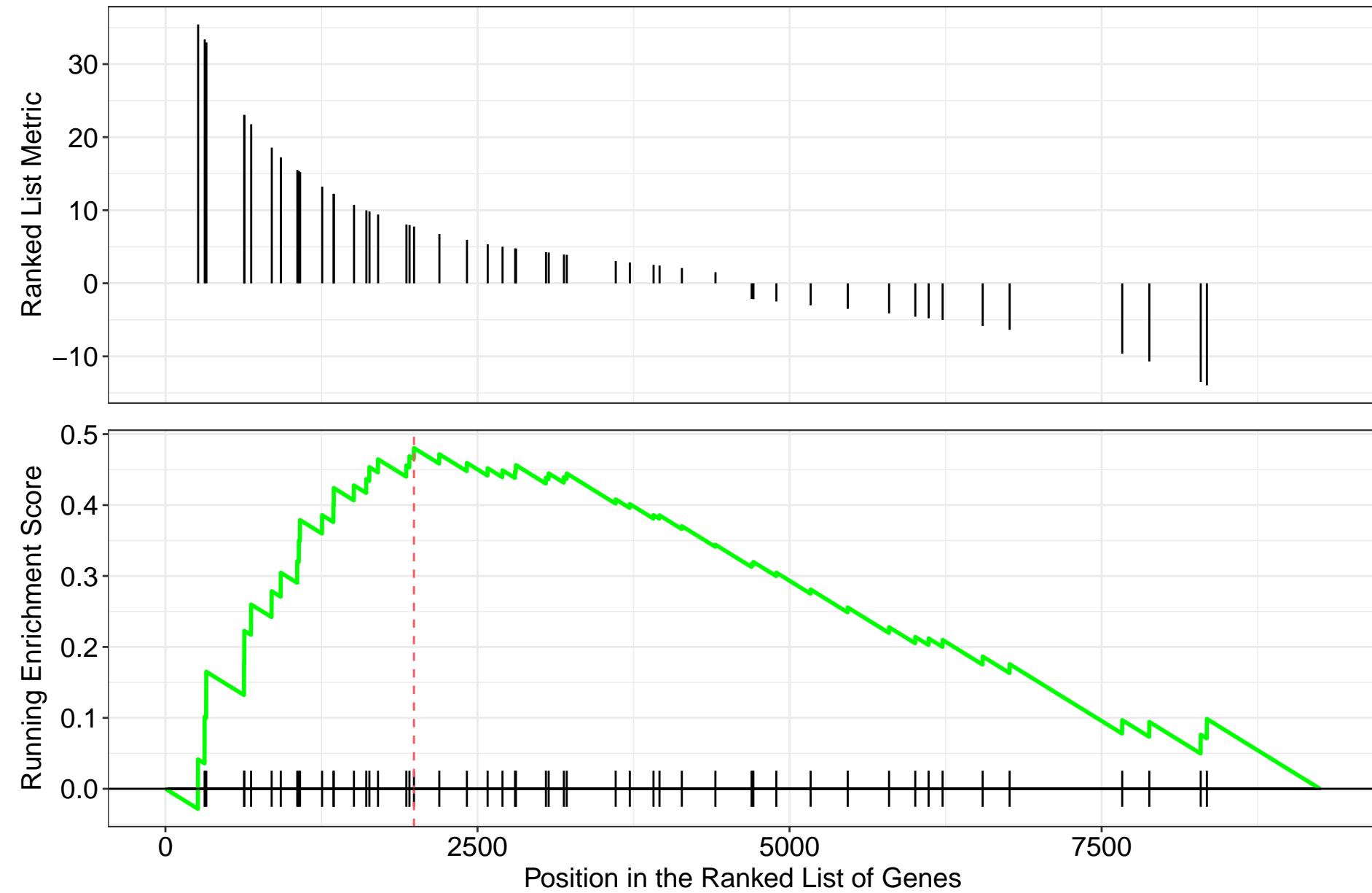
Position in the Ranked List of Genes



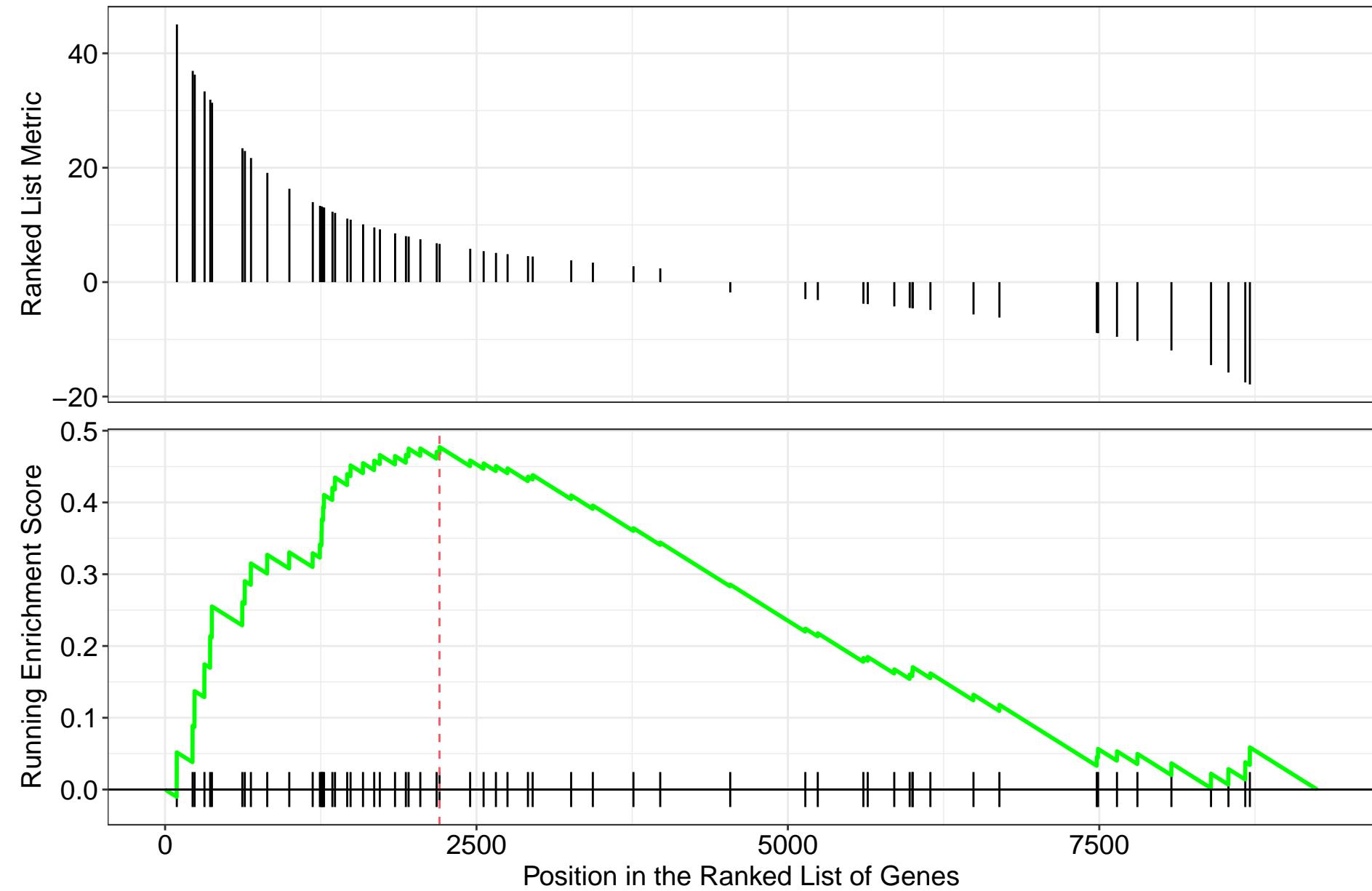
interferon–beta production



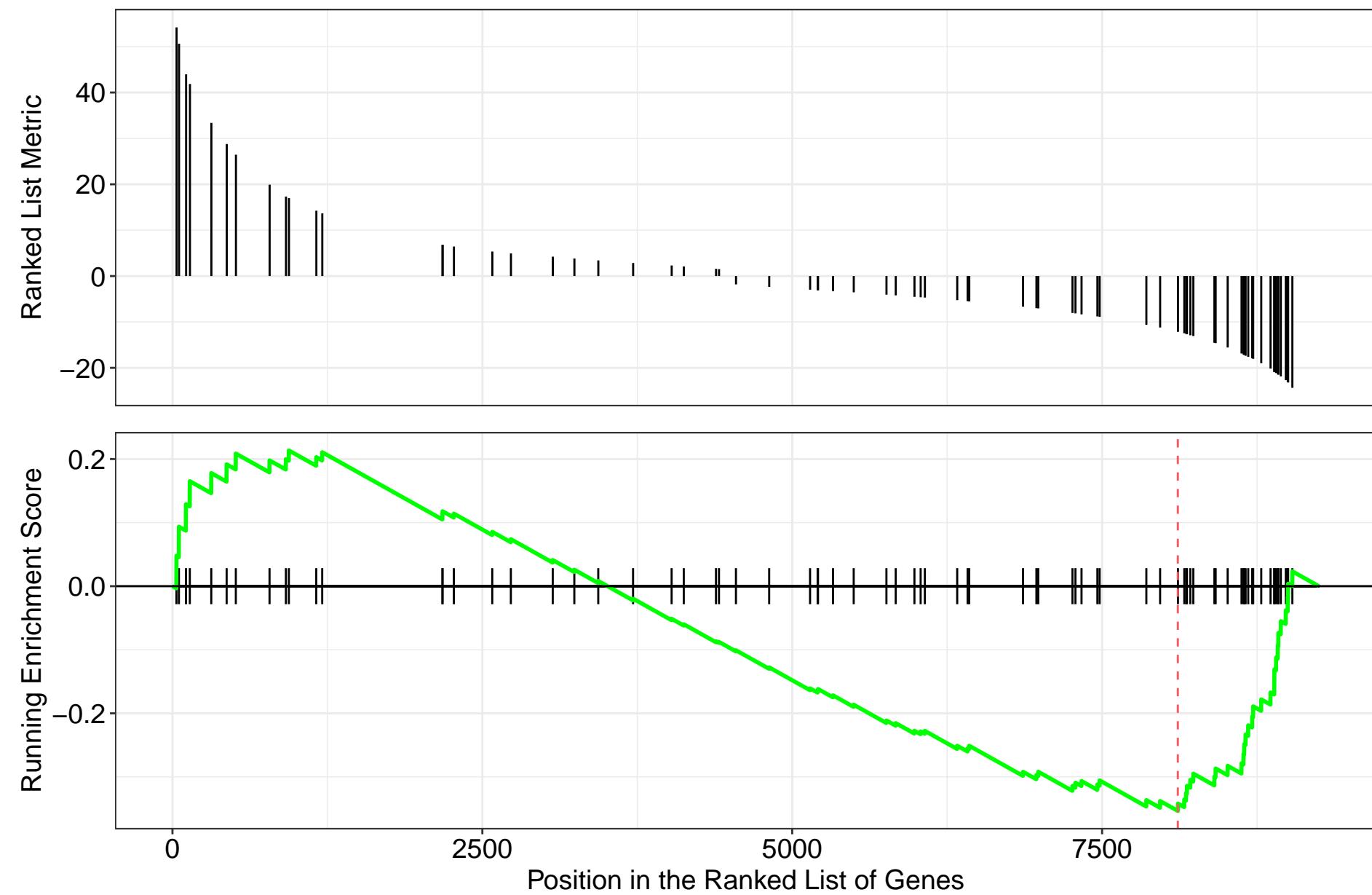
regulation of interferon–beta production



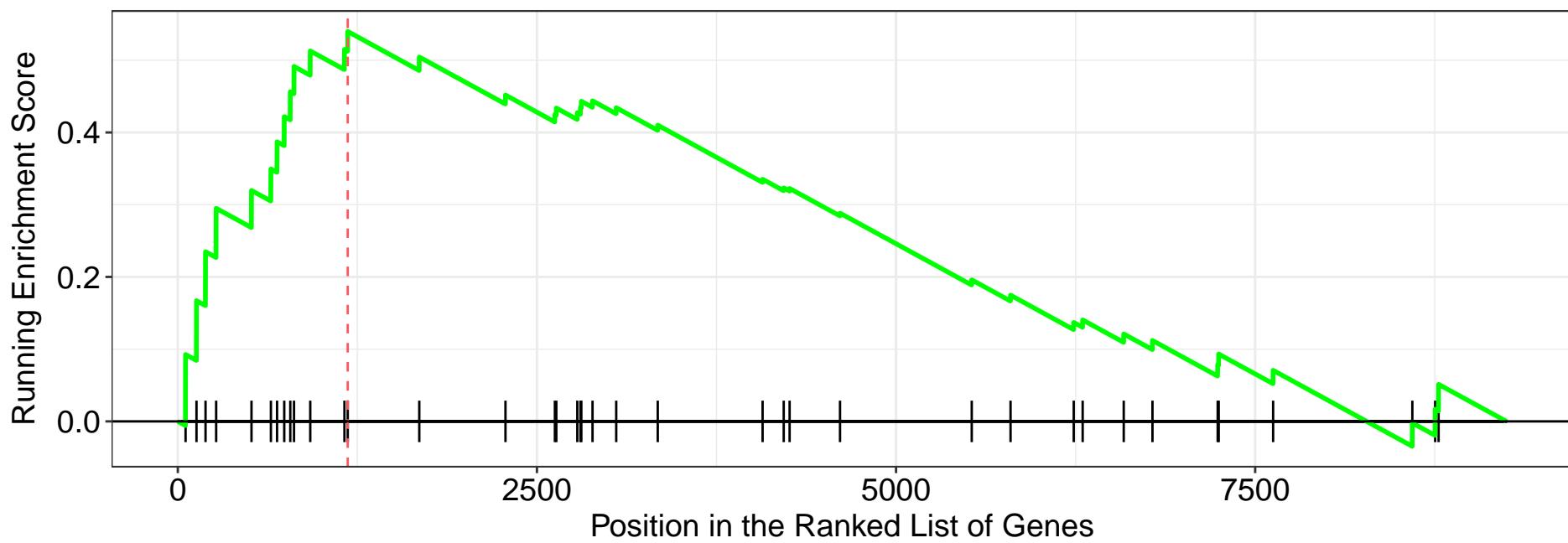
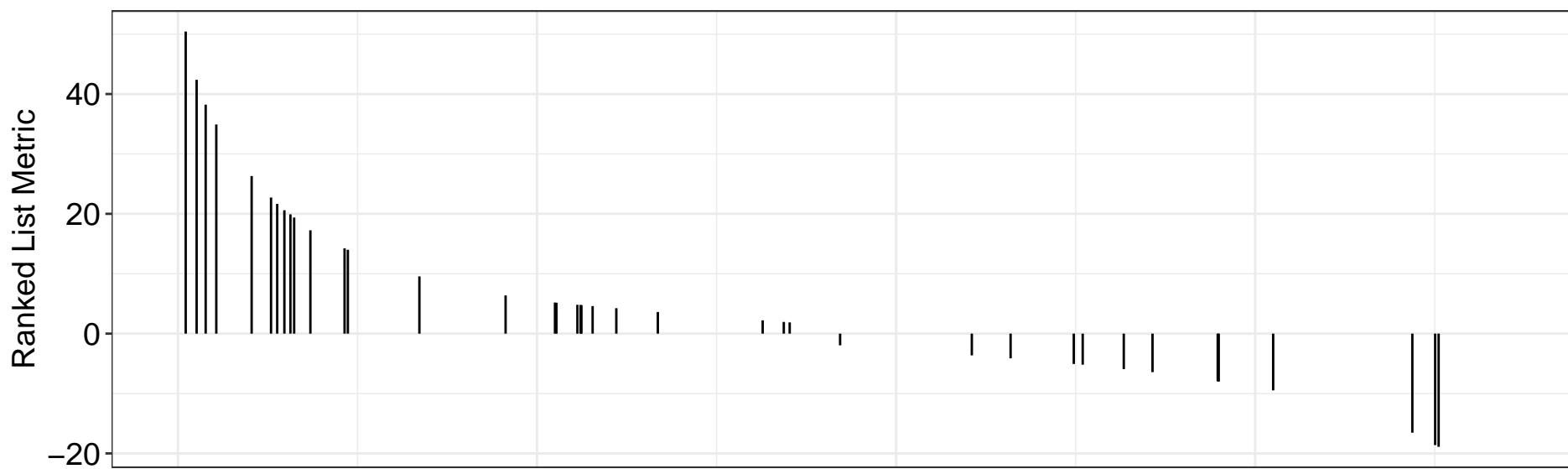
entry into host



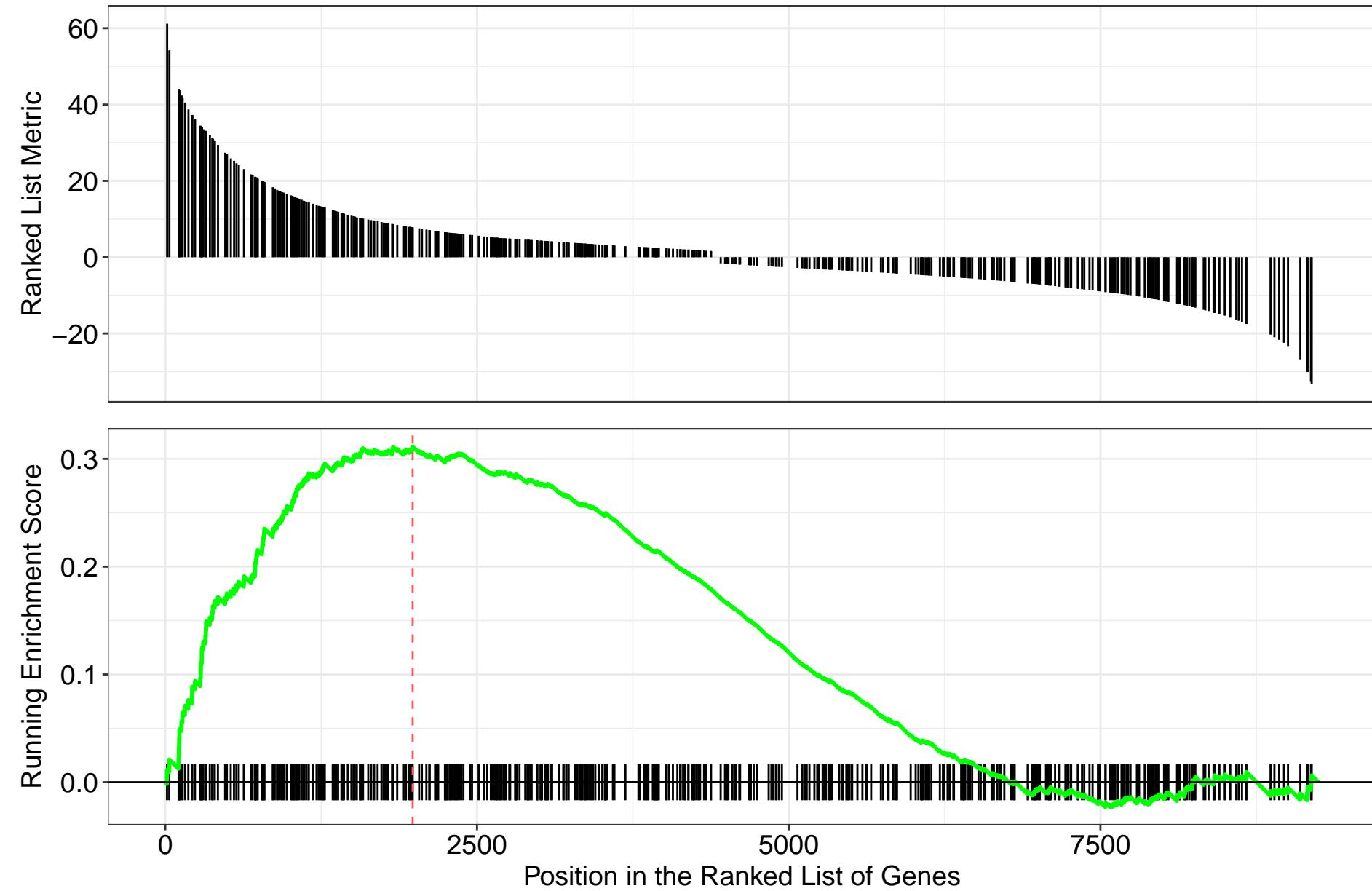
regulation of nuclear division



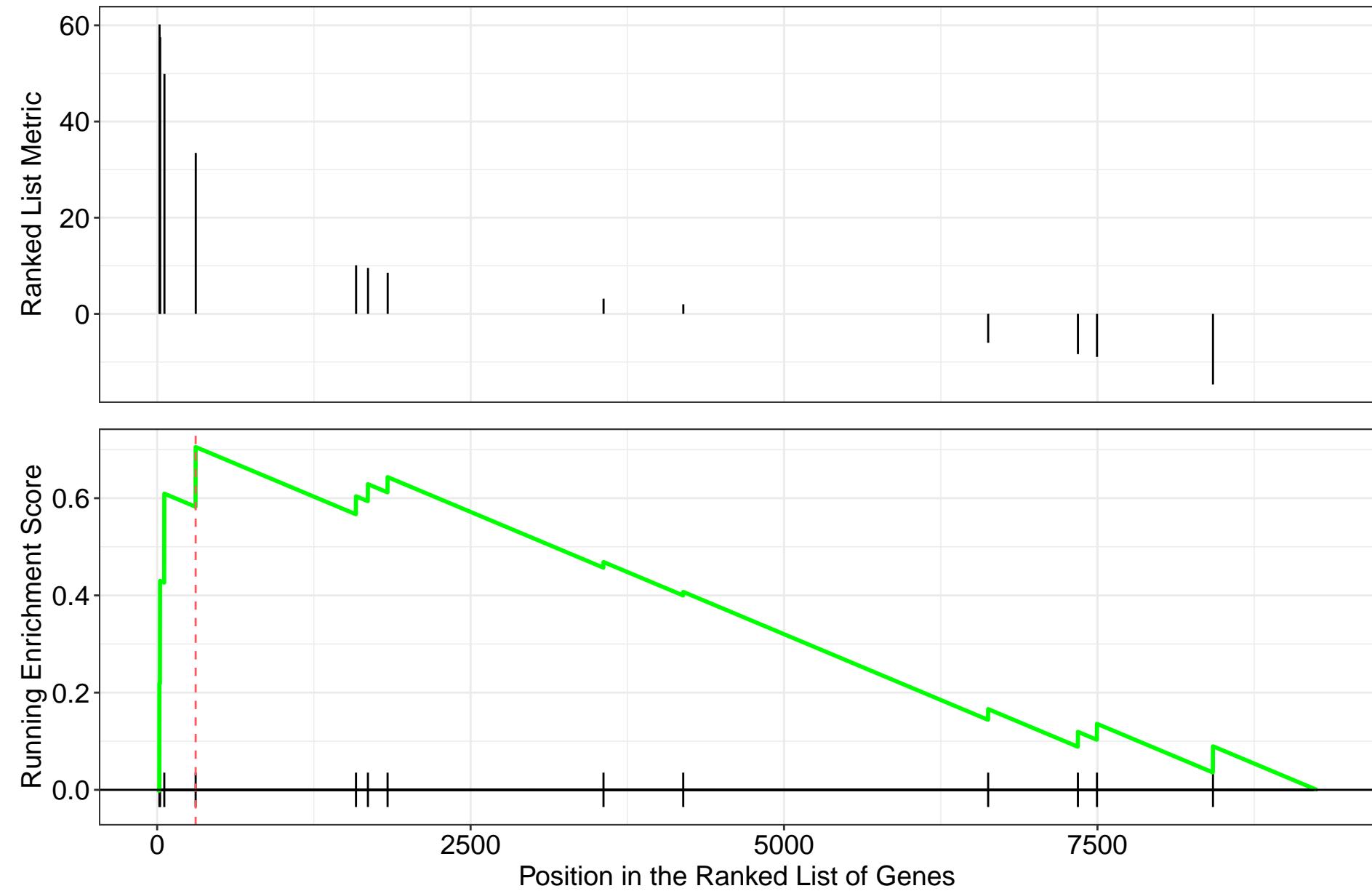
positive regulation of reactive oxygen species metabolic process



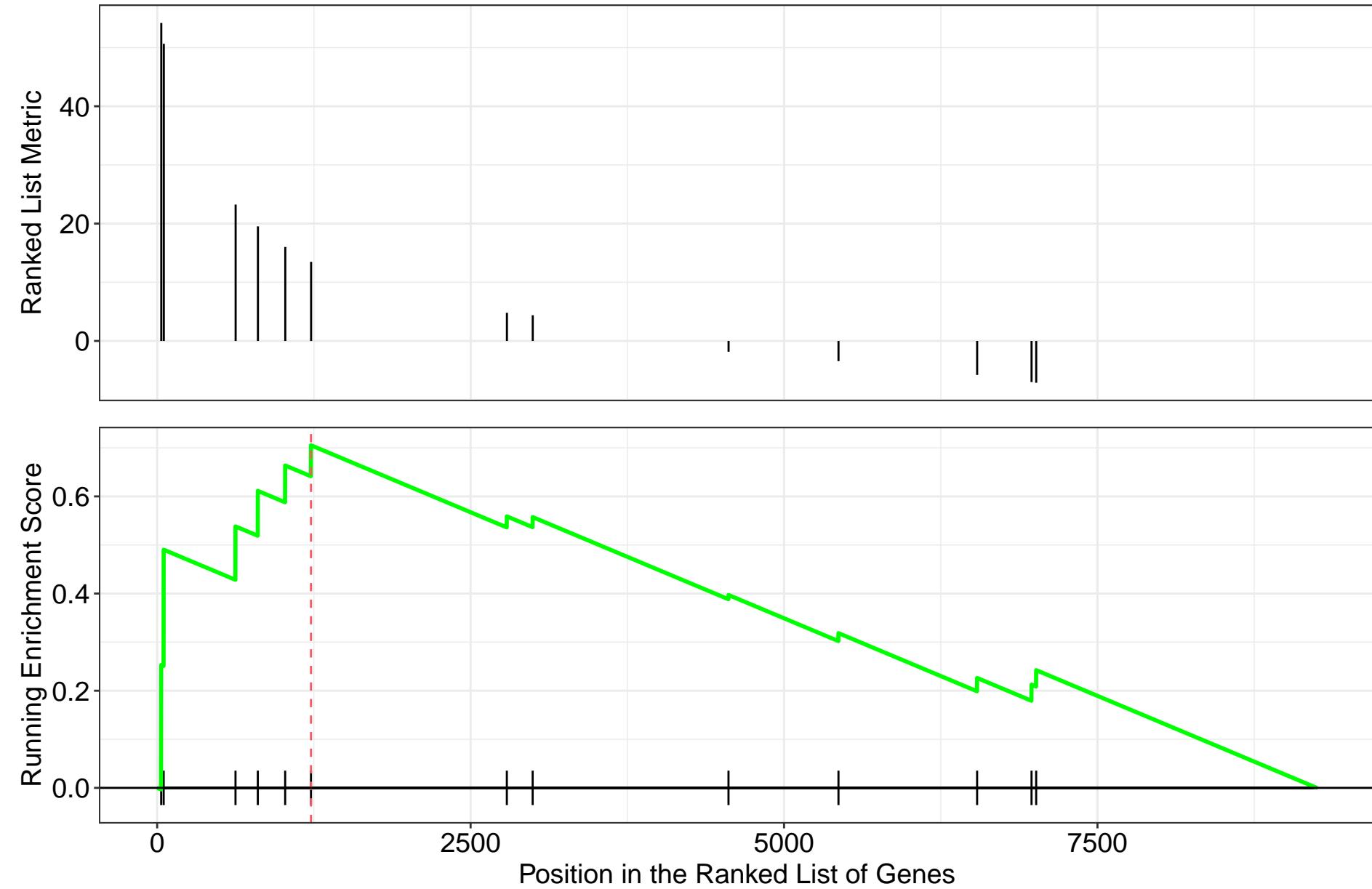
response to nitrogen compound



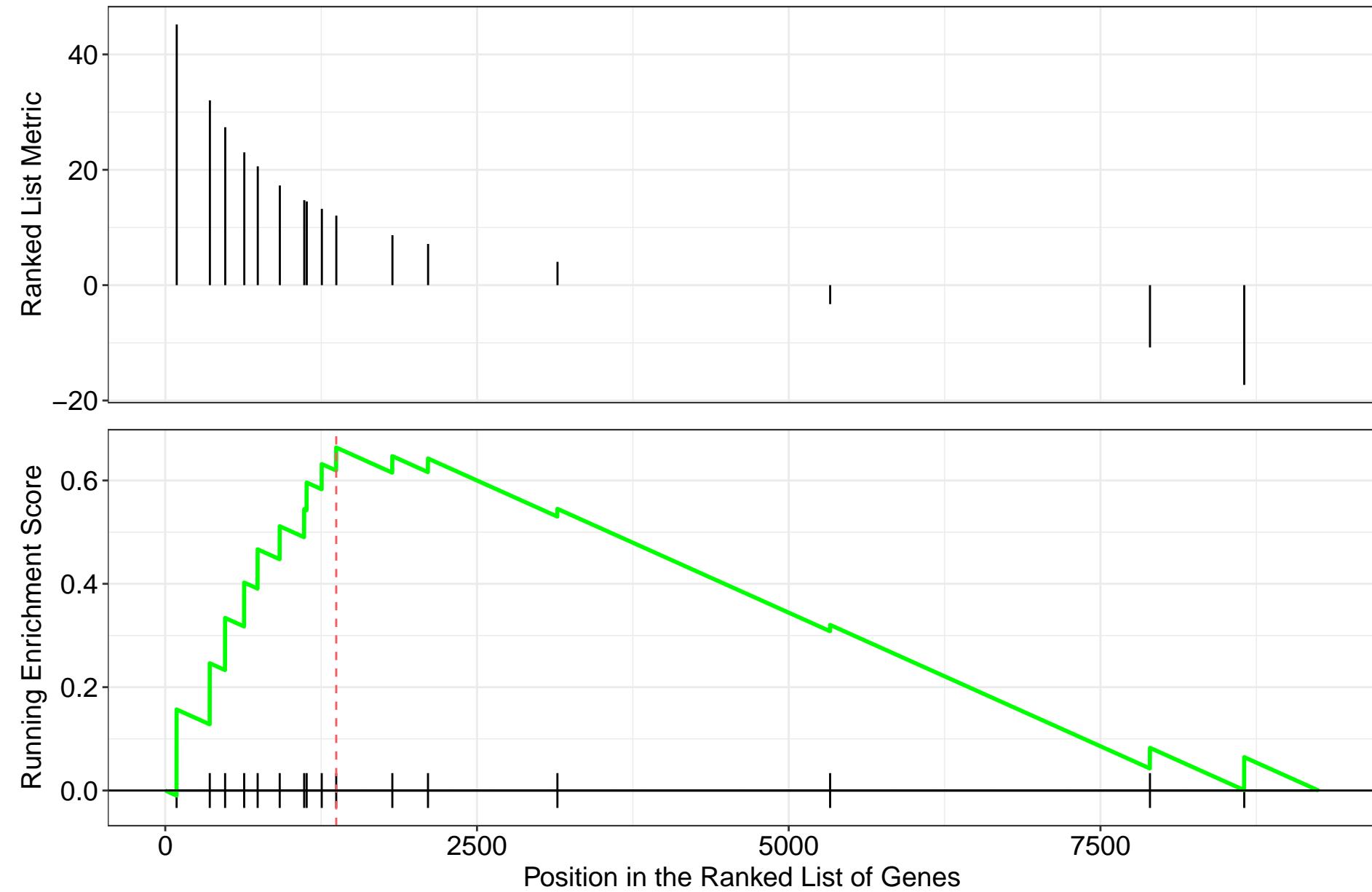
regulation of cellular response to vascular endothelial growth factor stimulus



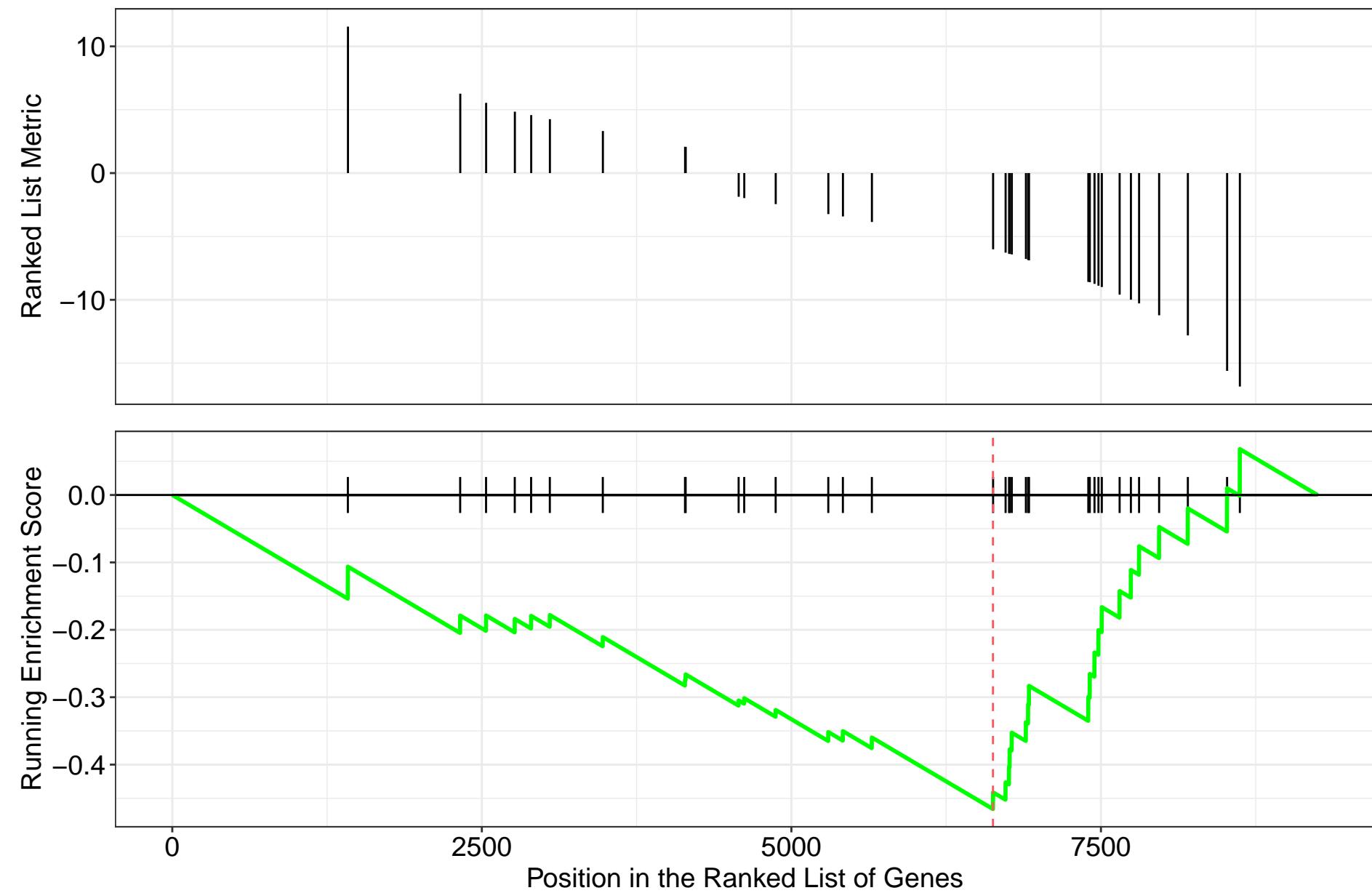
programmed cell death involved in cell development



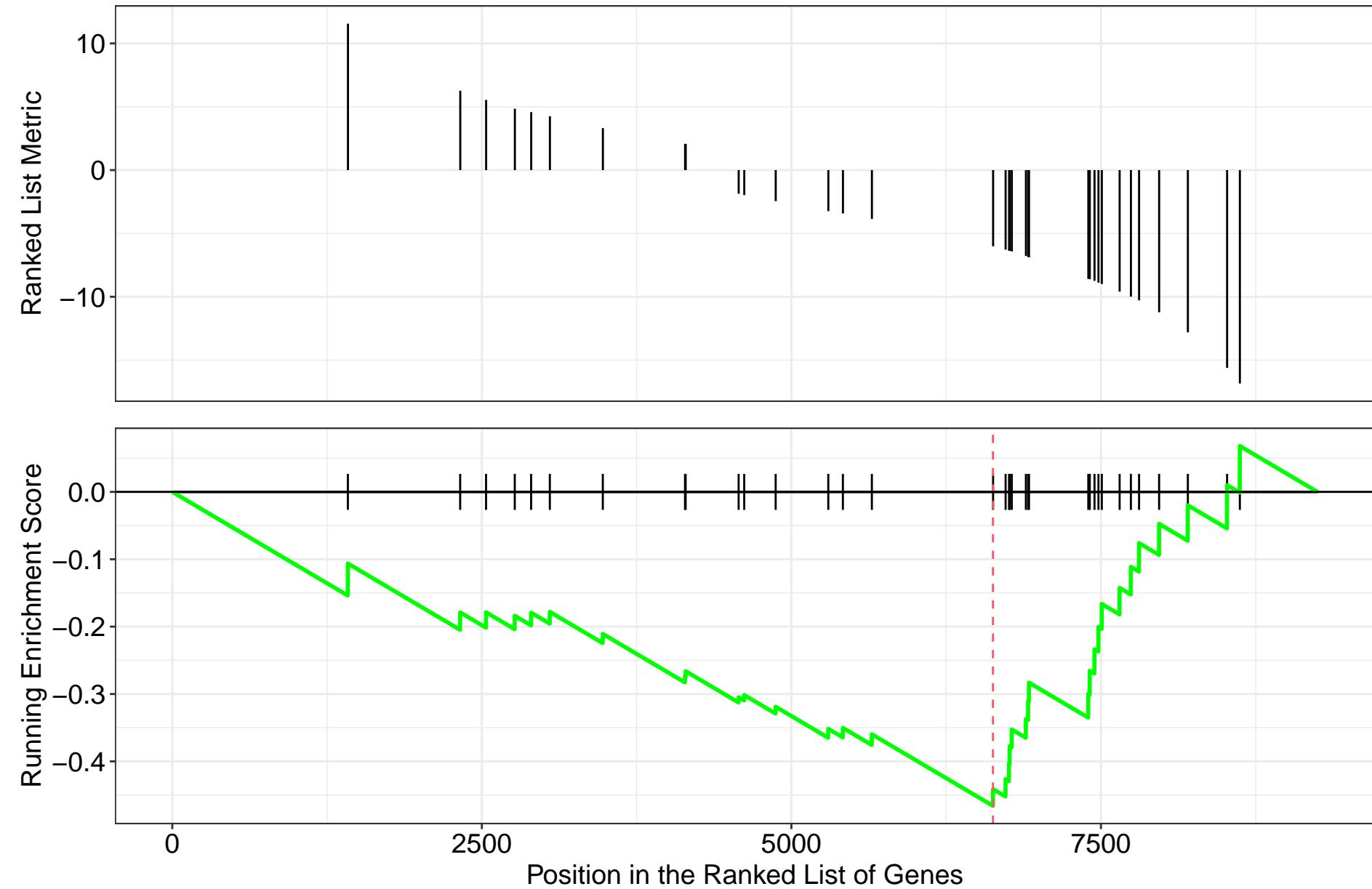
positive regulation of T-helper cell differentiation



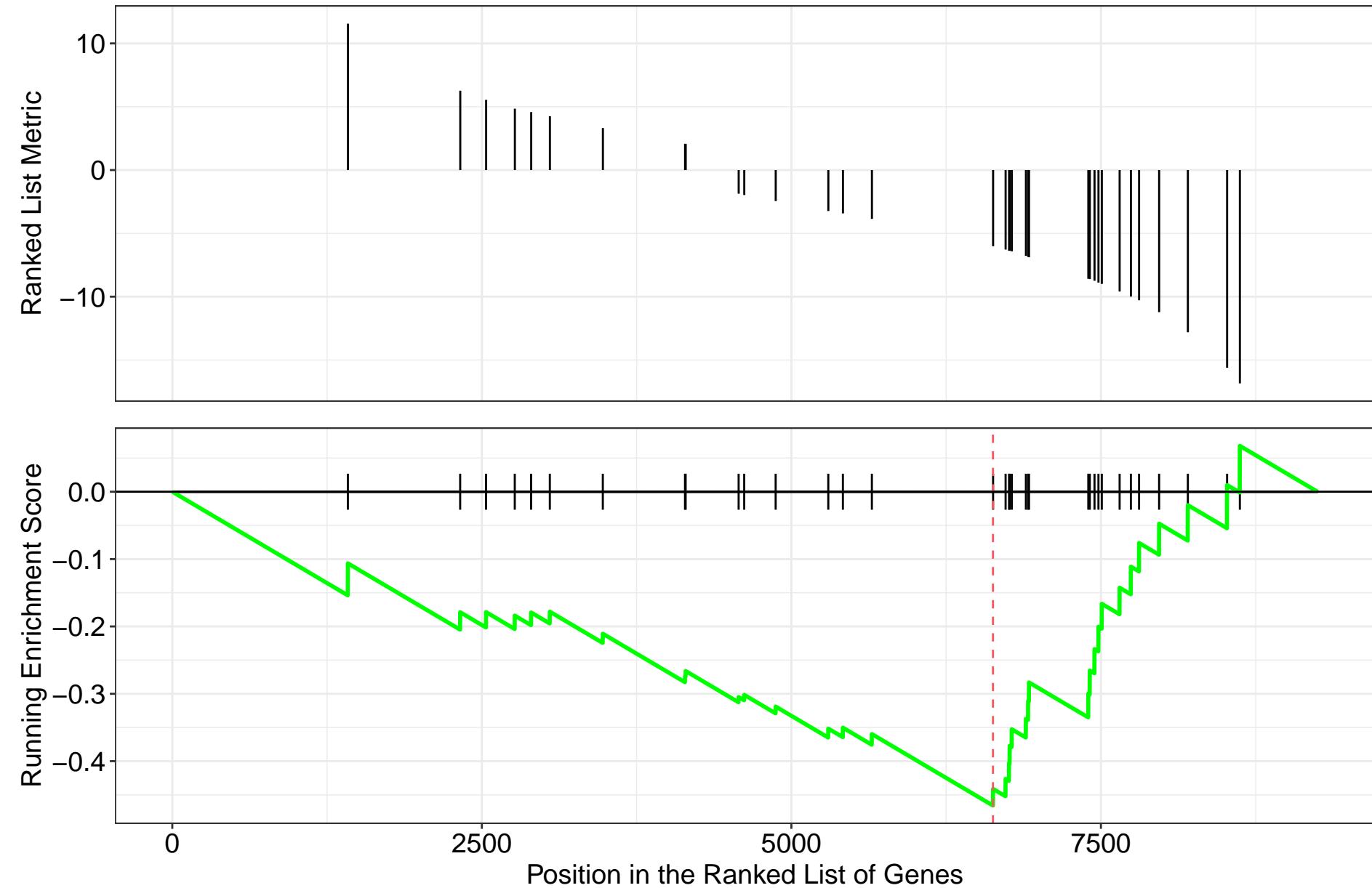
glycogen metabolic process



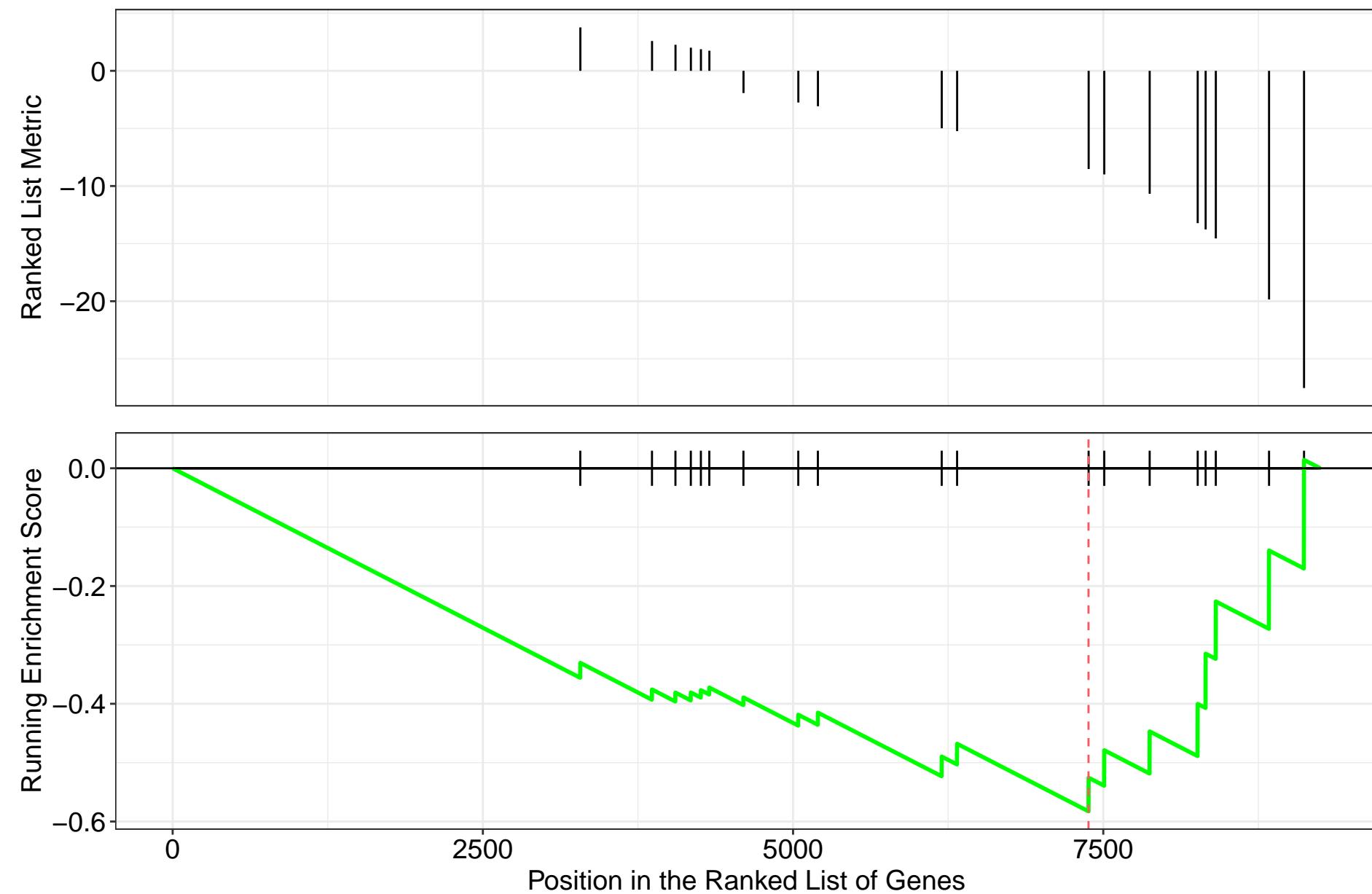
cellular glucan metabolic process



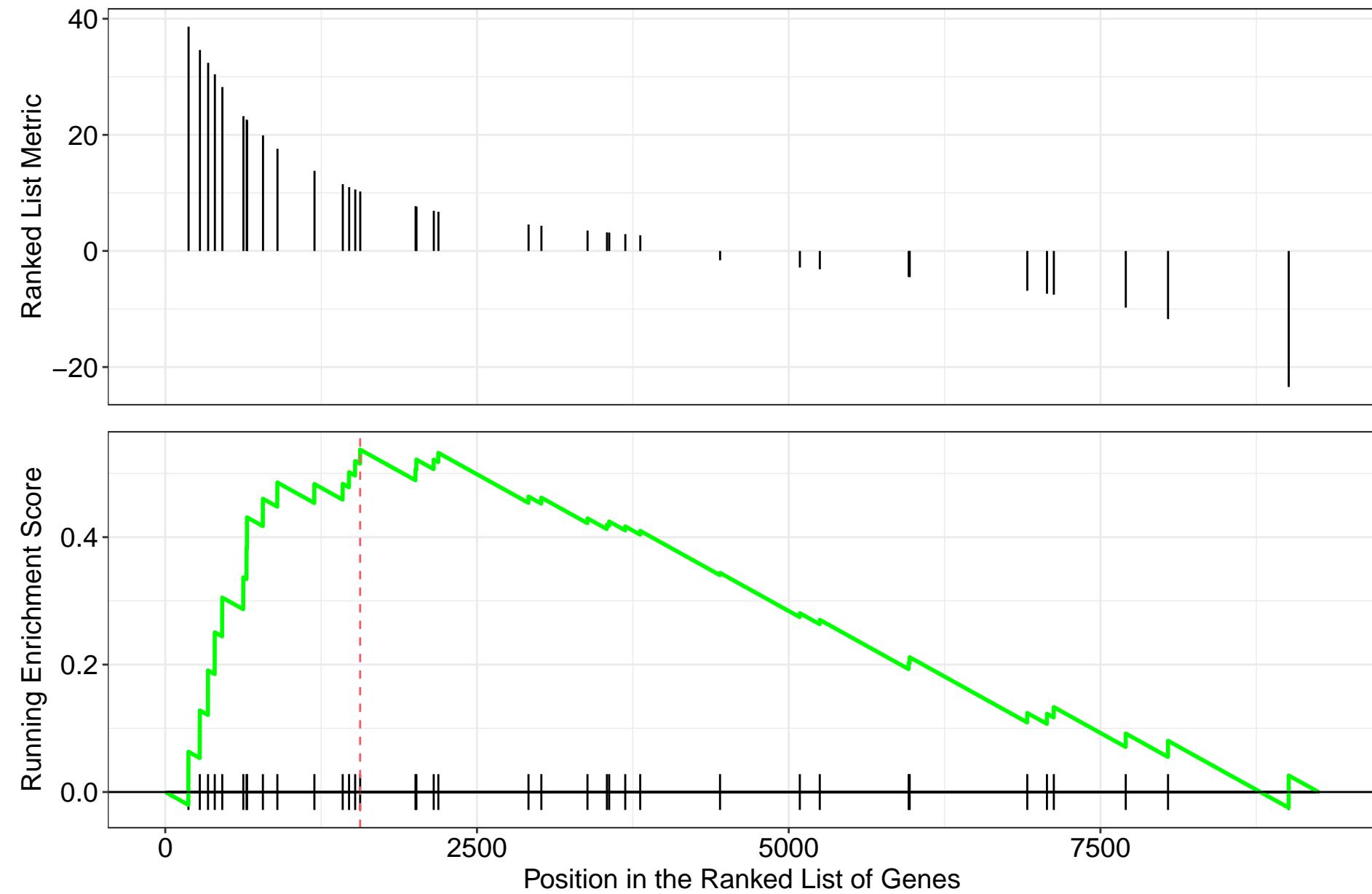
energy reserve metabolic process



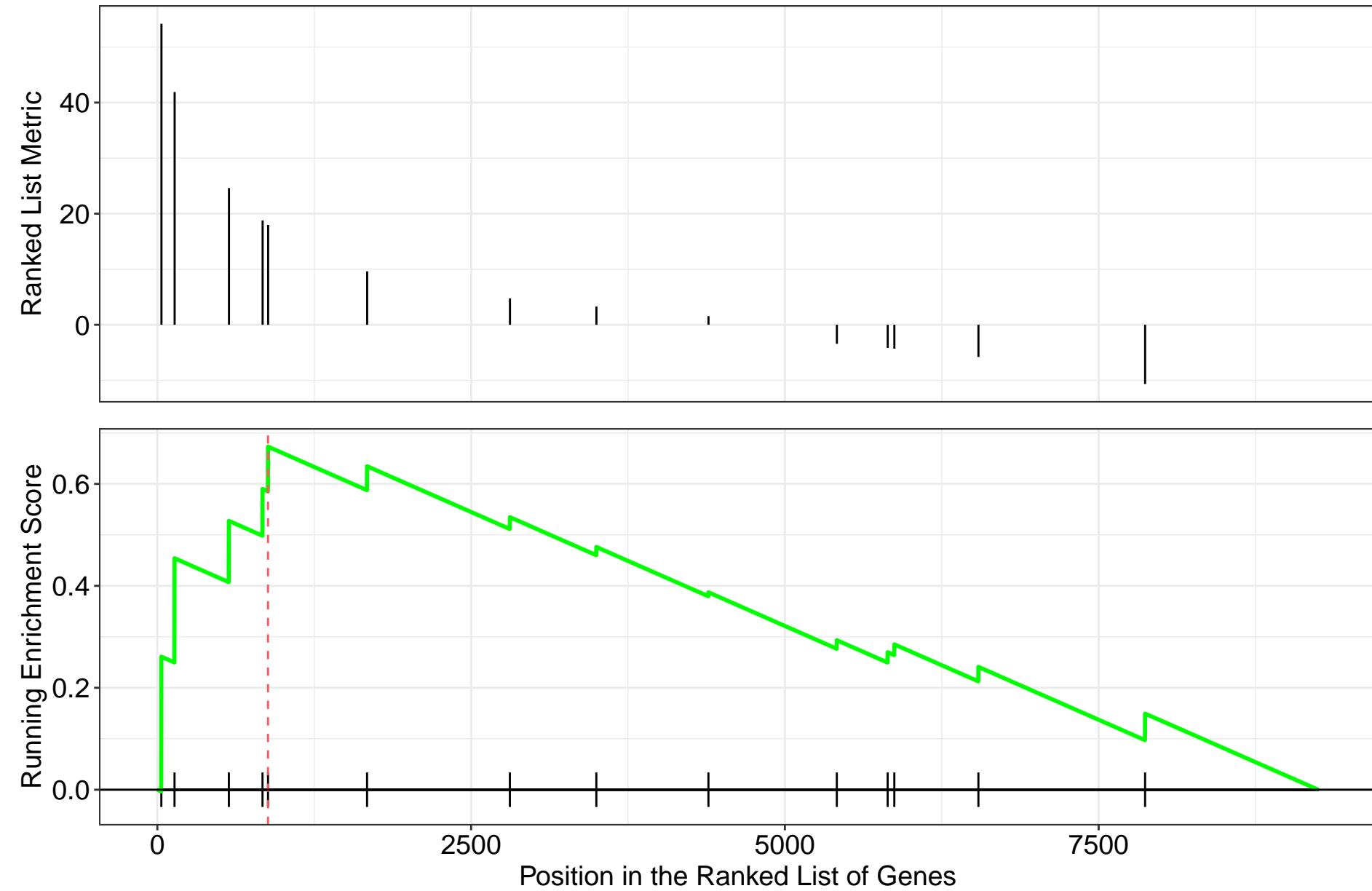
regulation of DNA damage checkpoint



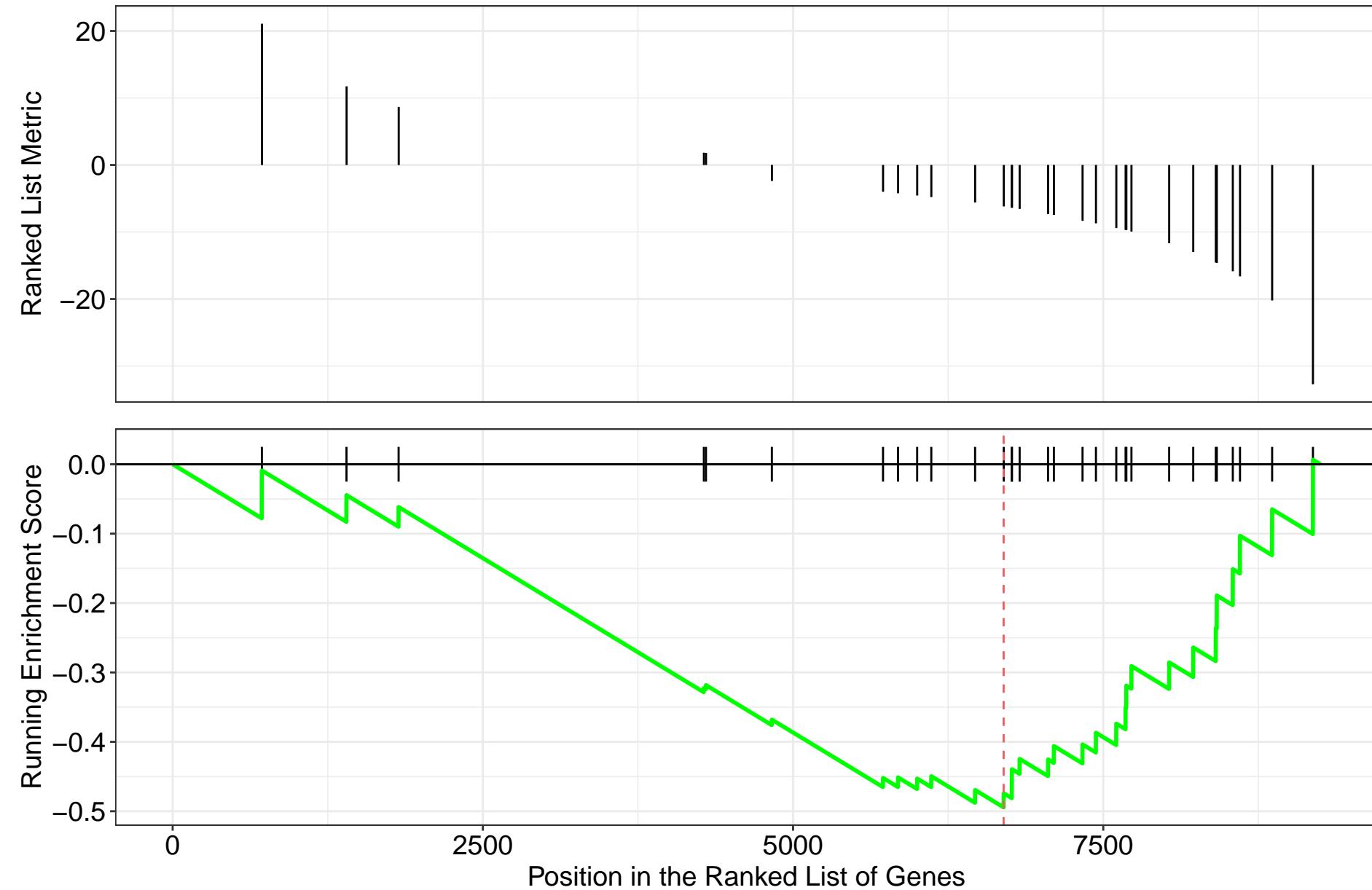
positive regulation of small GTPase mediated signal transduction



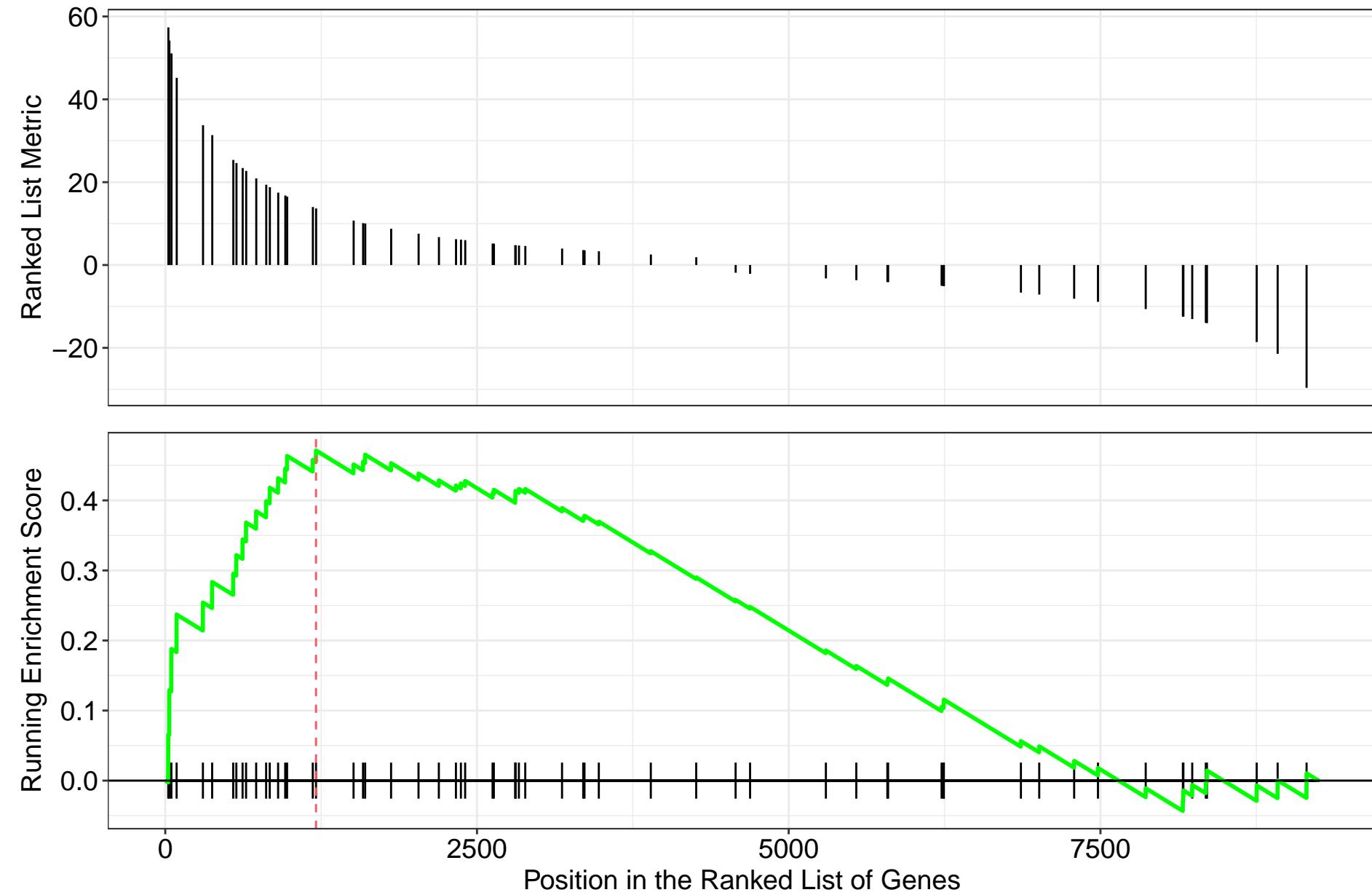
regulation of membrane protein ectodomain proteolysis



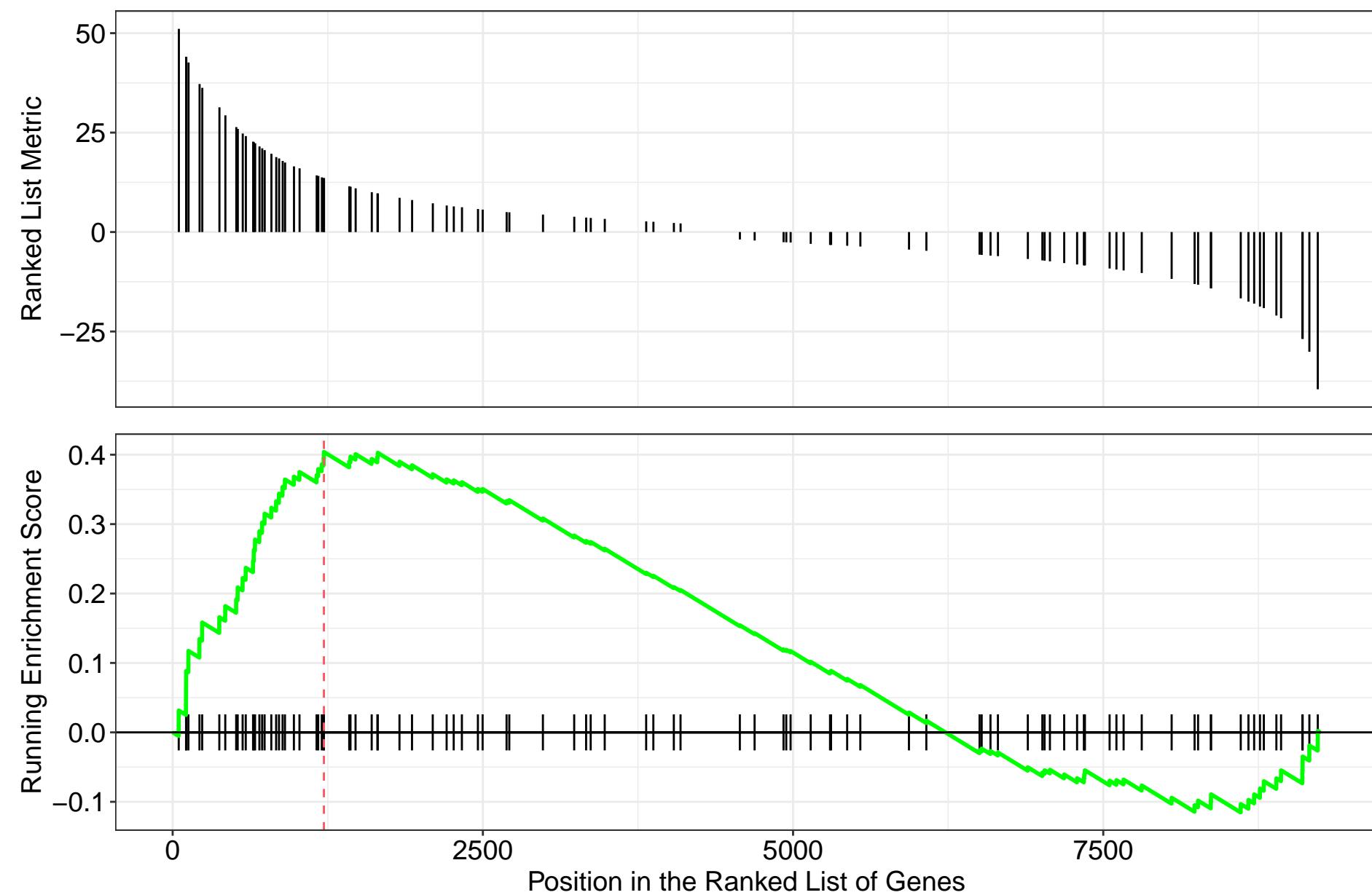
DNA geometric change



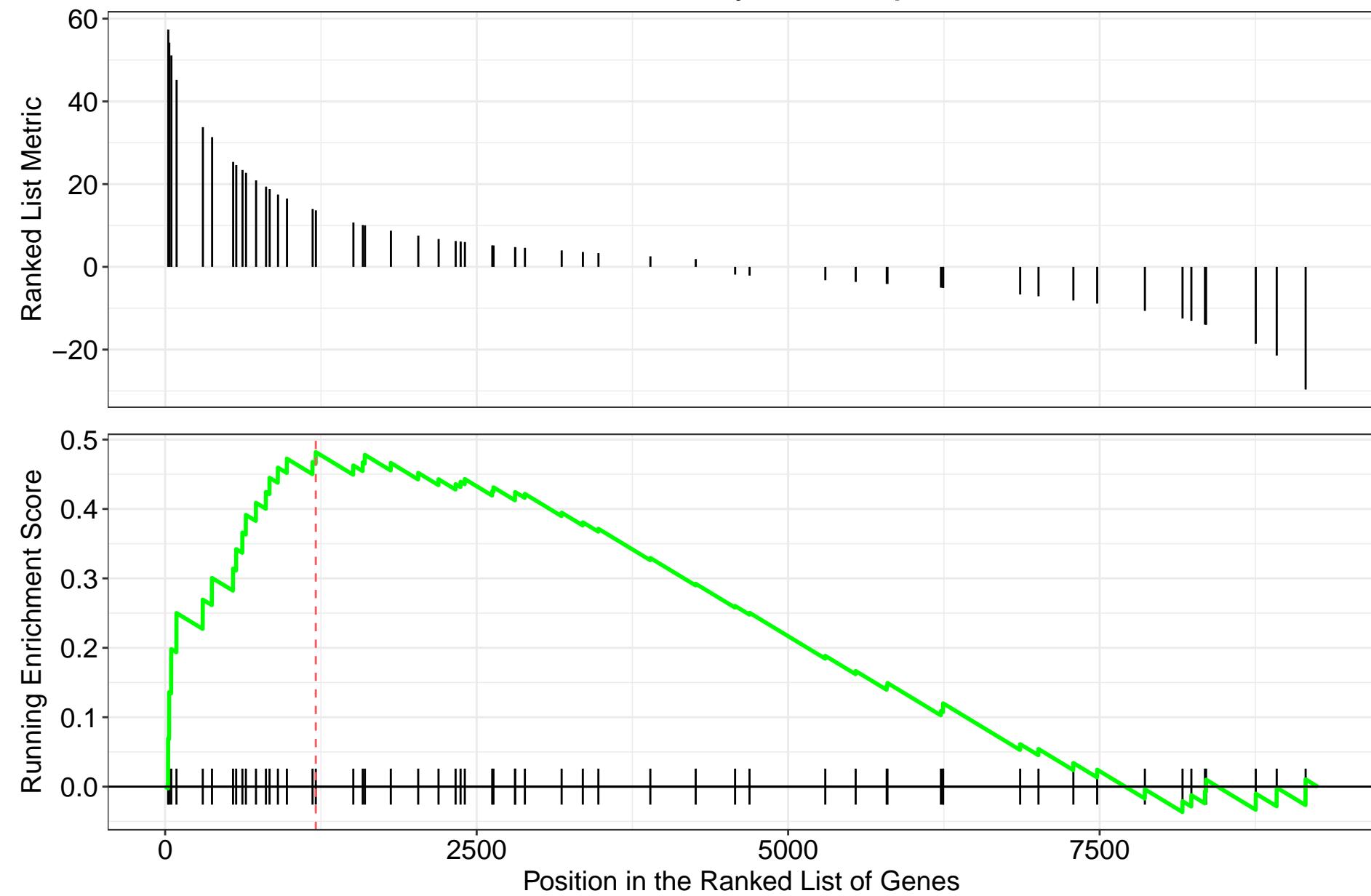
reactive nitrogen species metabolic process



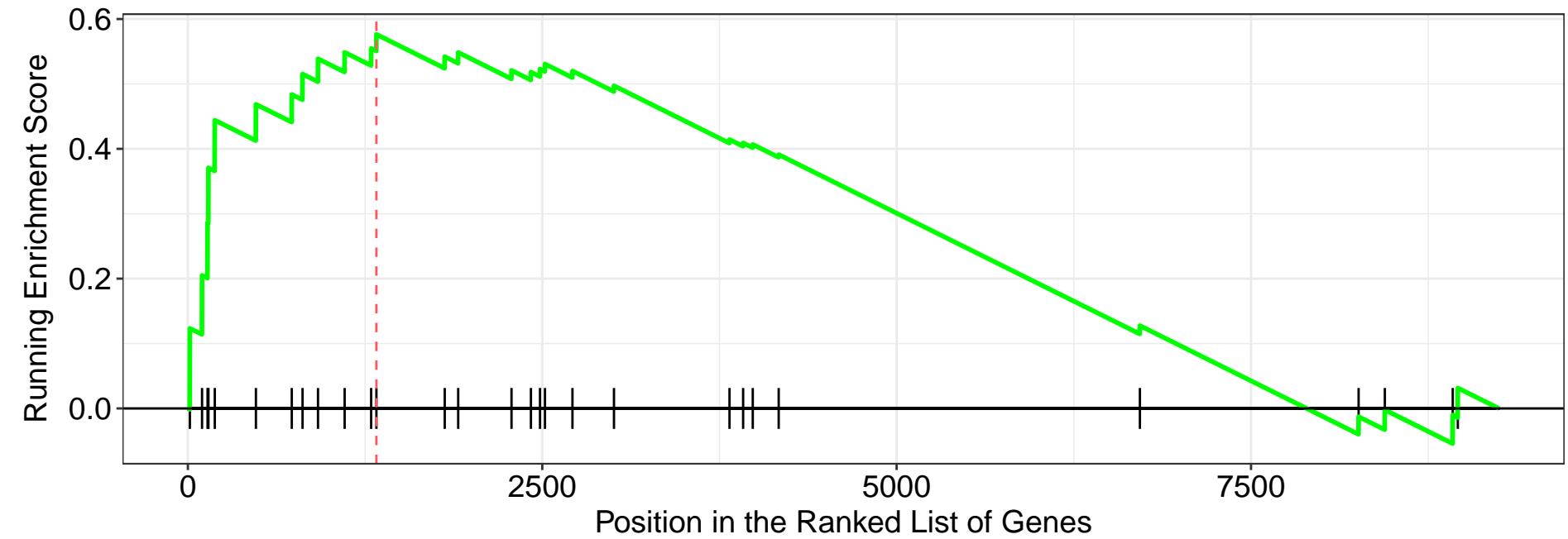
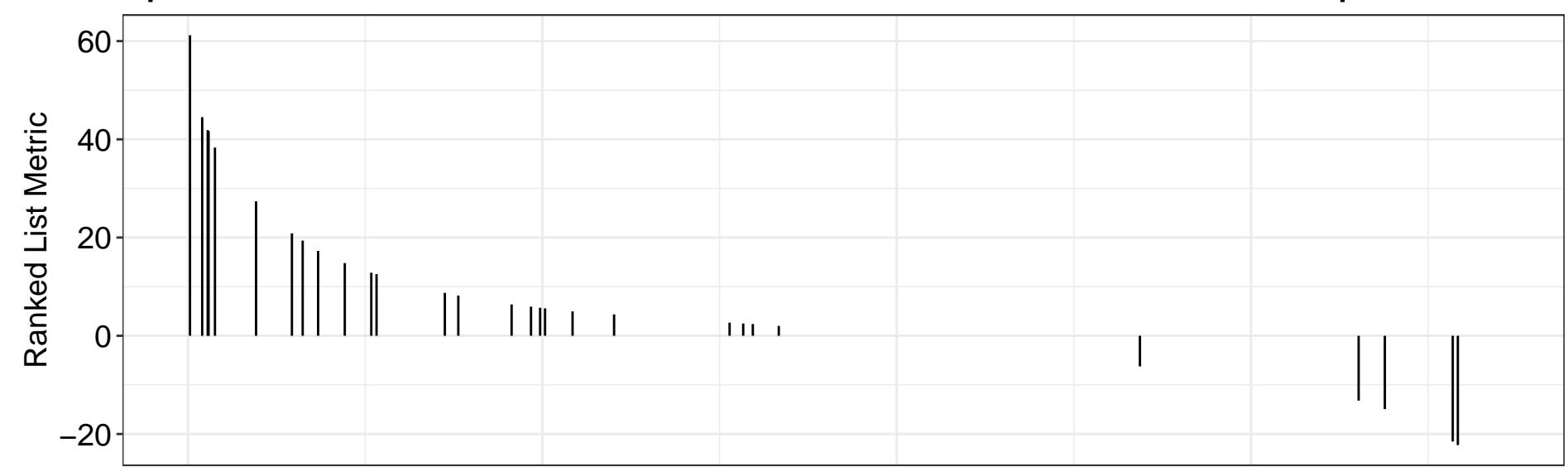
vascular process in circulatory system



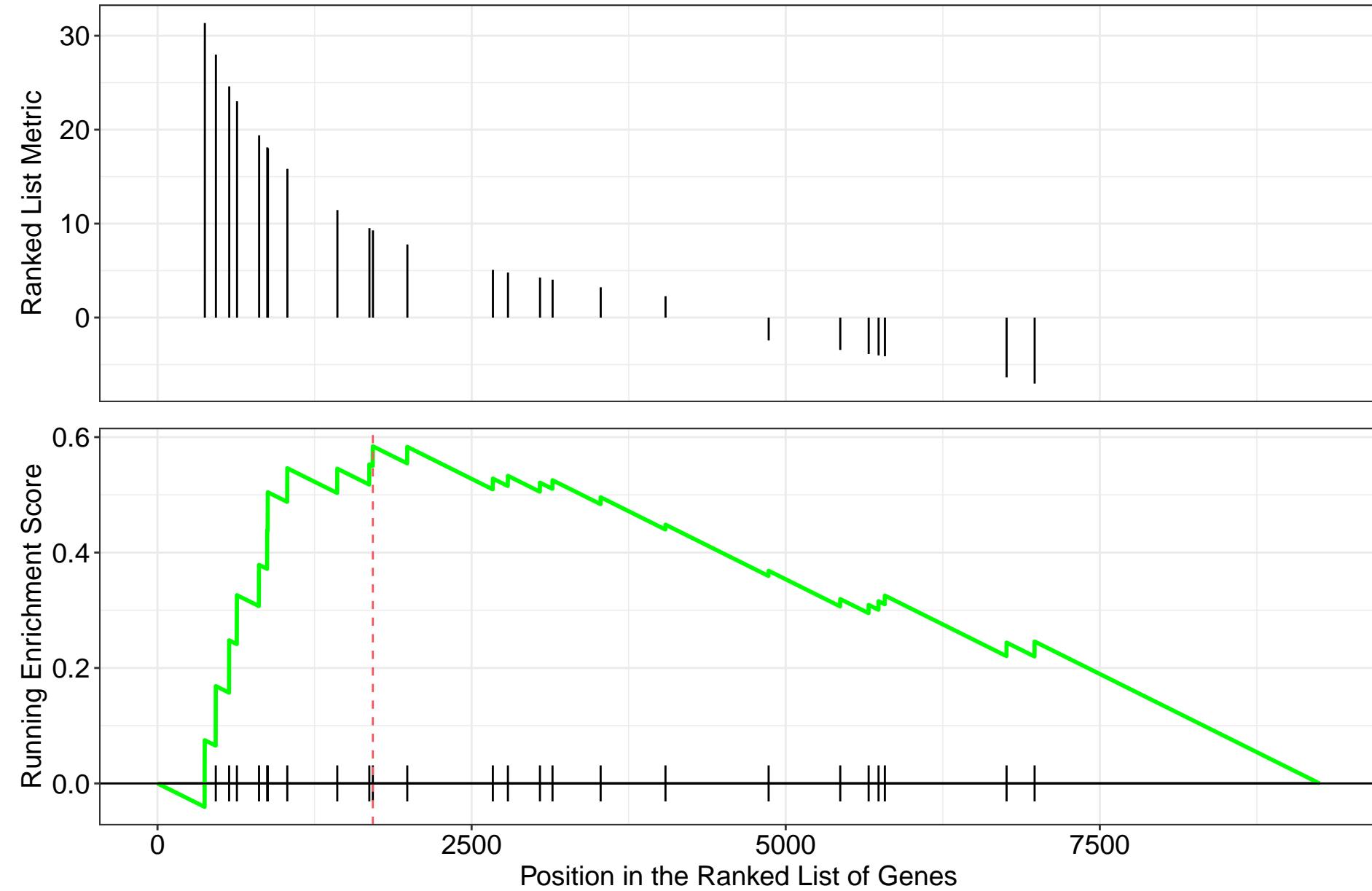
nitric oxide biosynthetic process



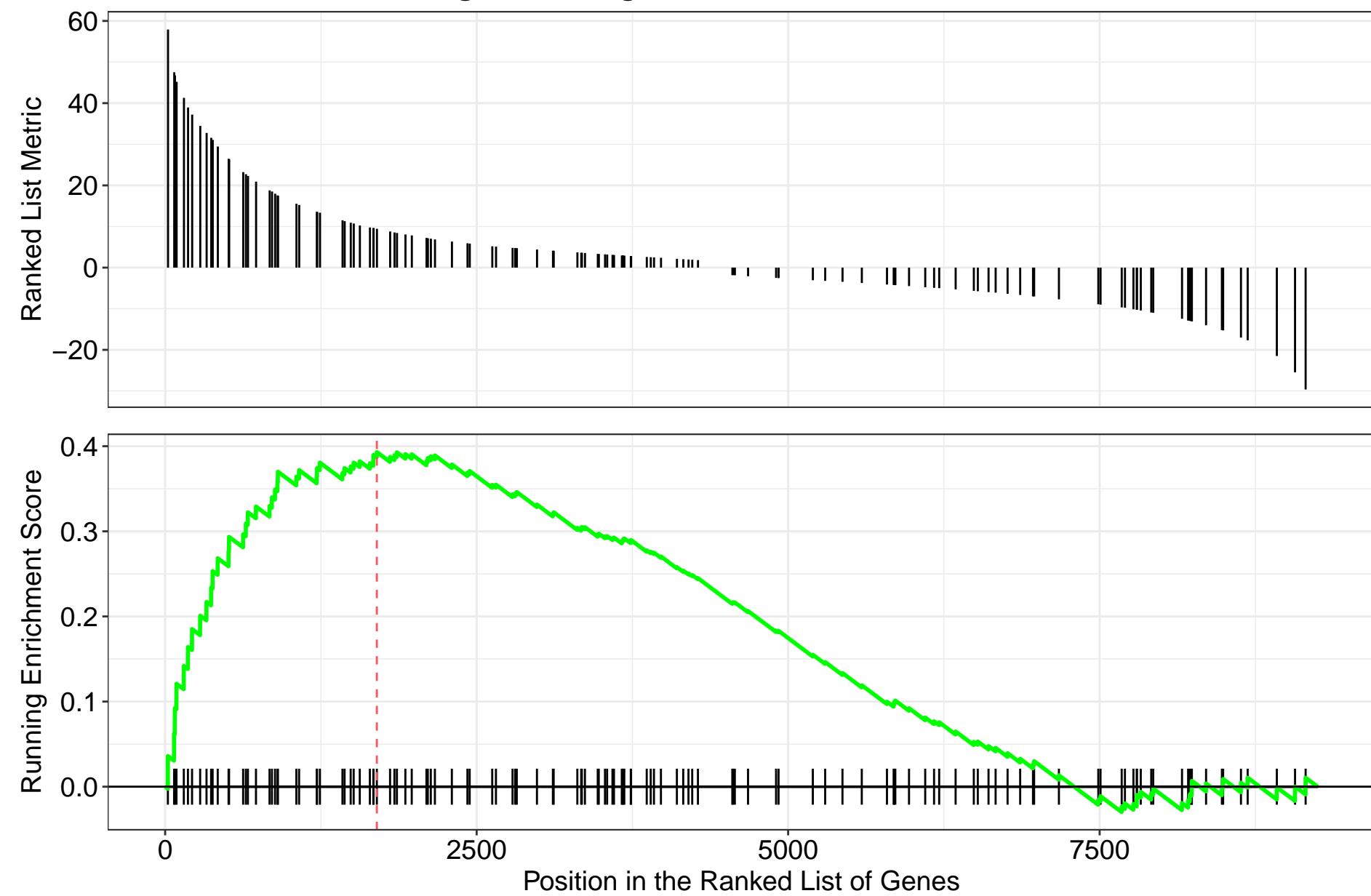
Immune response based on somatic recombination of immune receptors built from



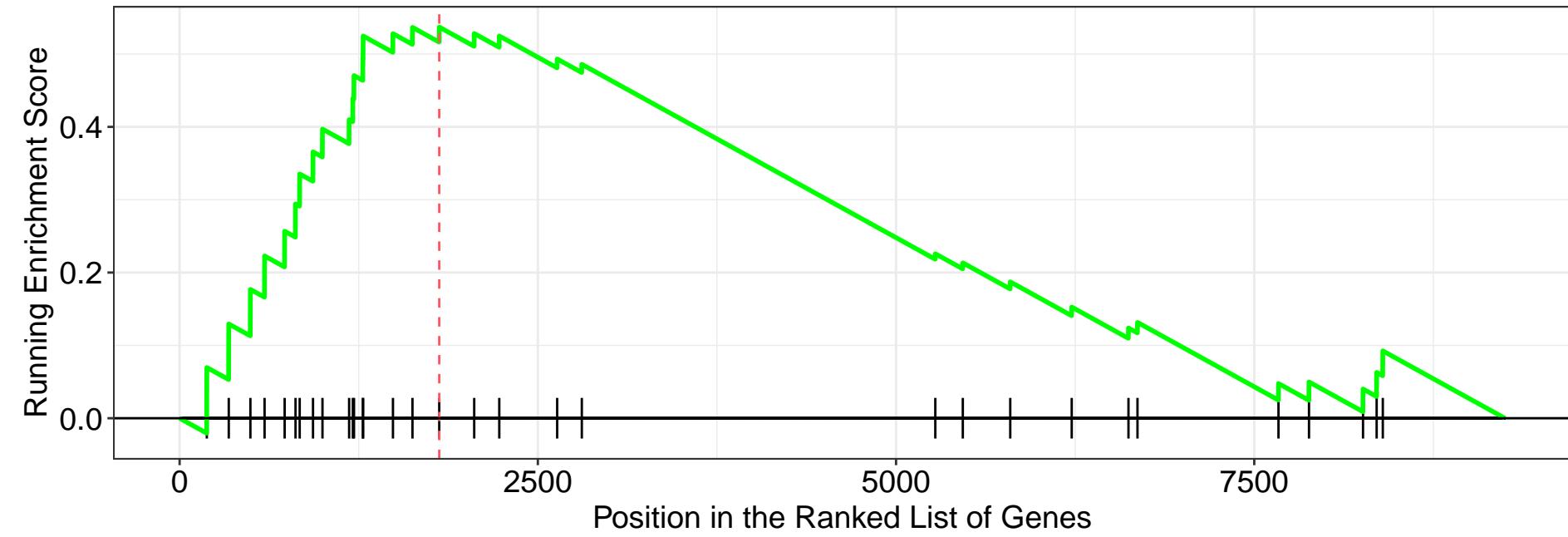
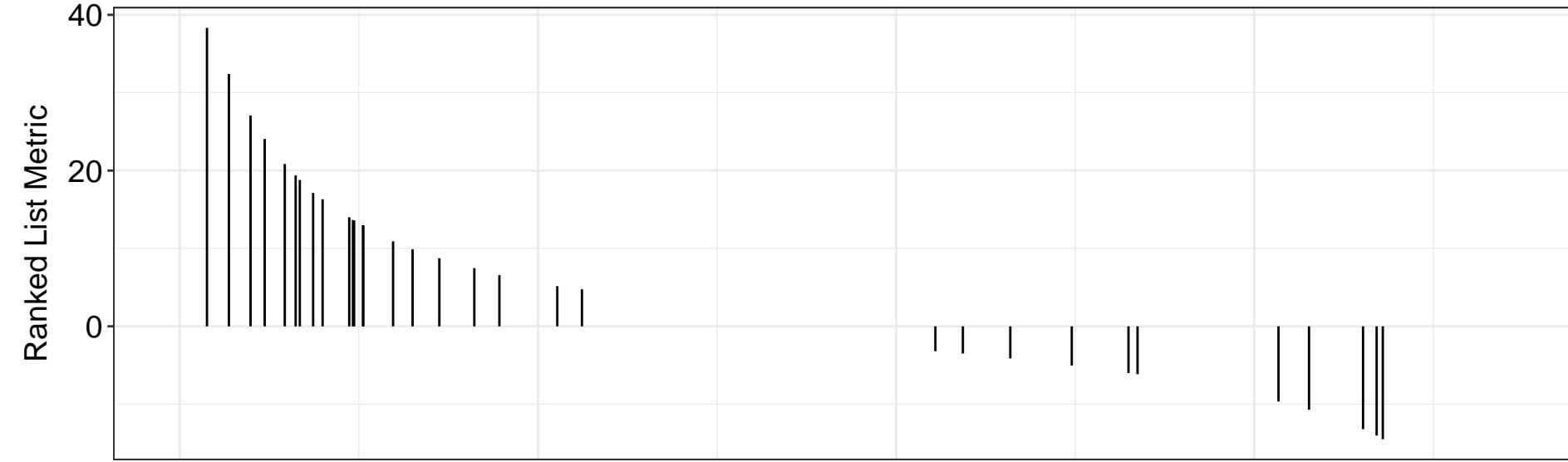
necroptotic process



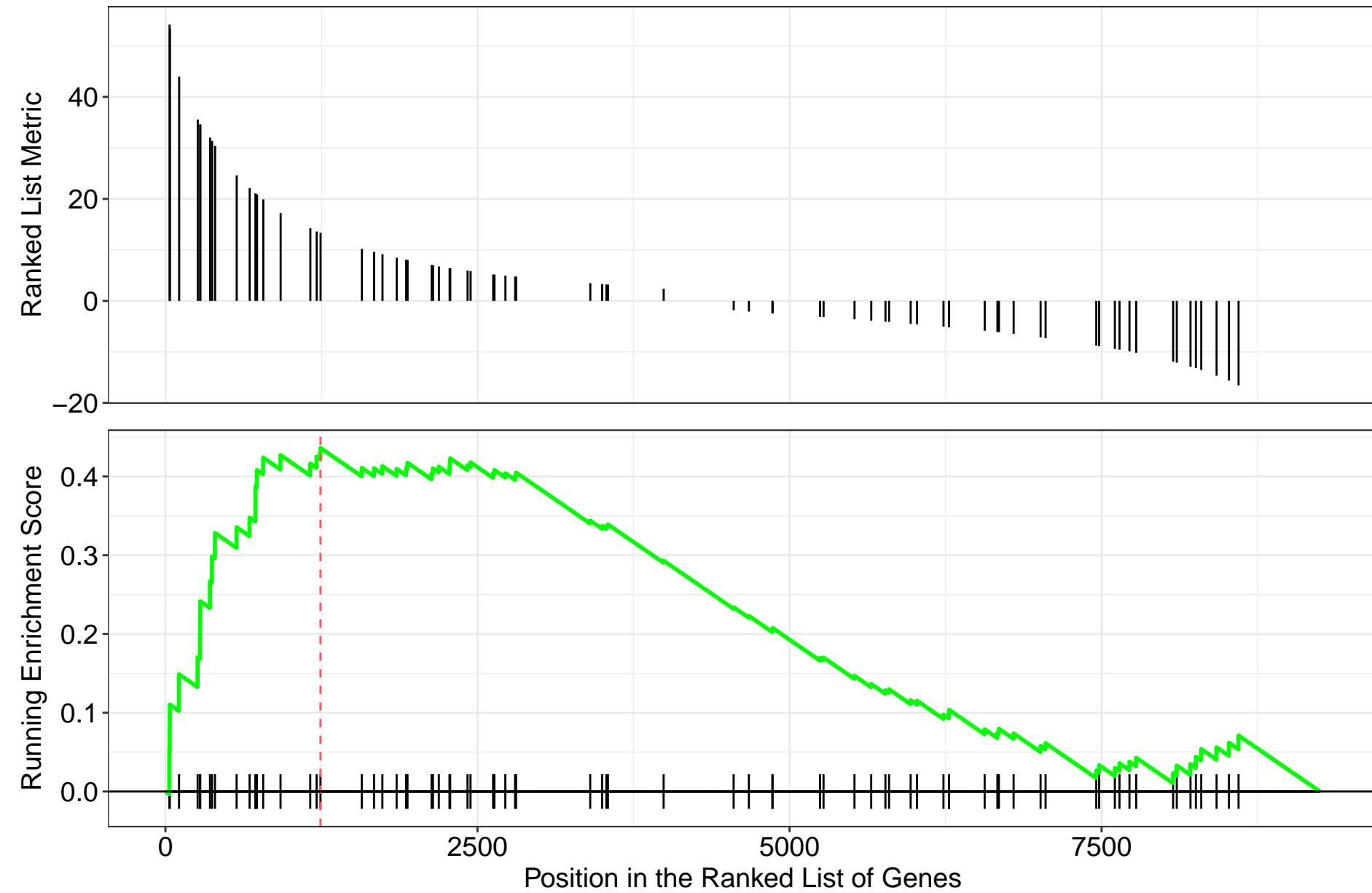
negative regulation of neuron death



negative regulation of tumor necrosis factor production

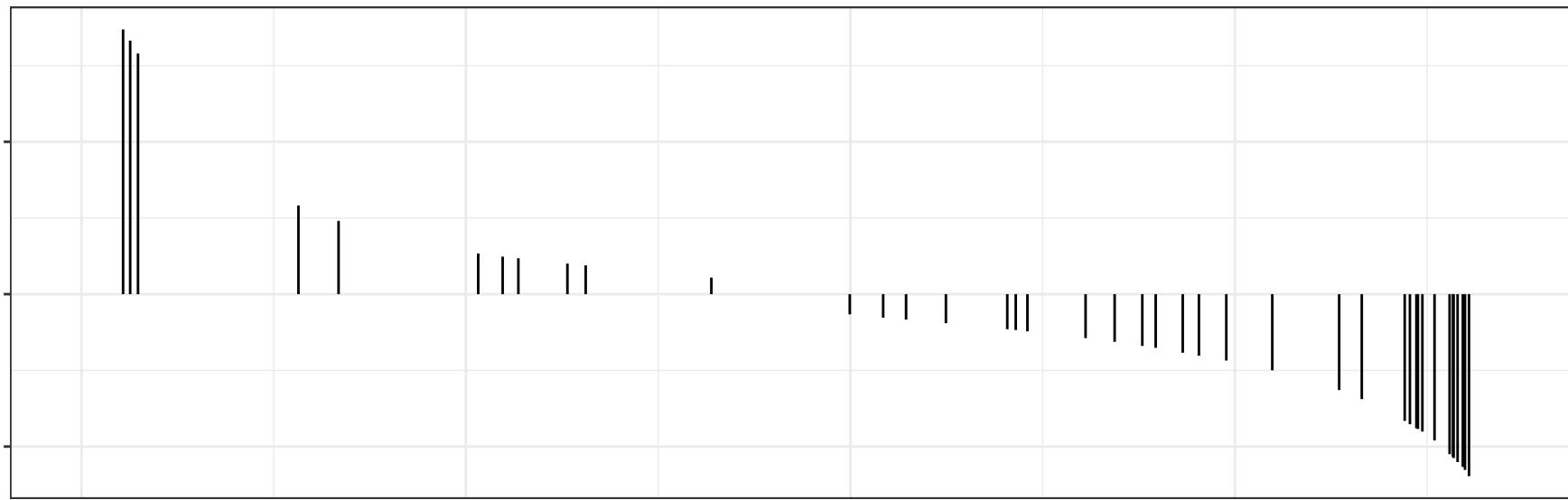


positive regulation of MAP kinase activity



mitotic spindle assembly

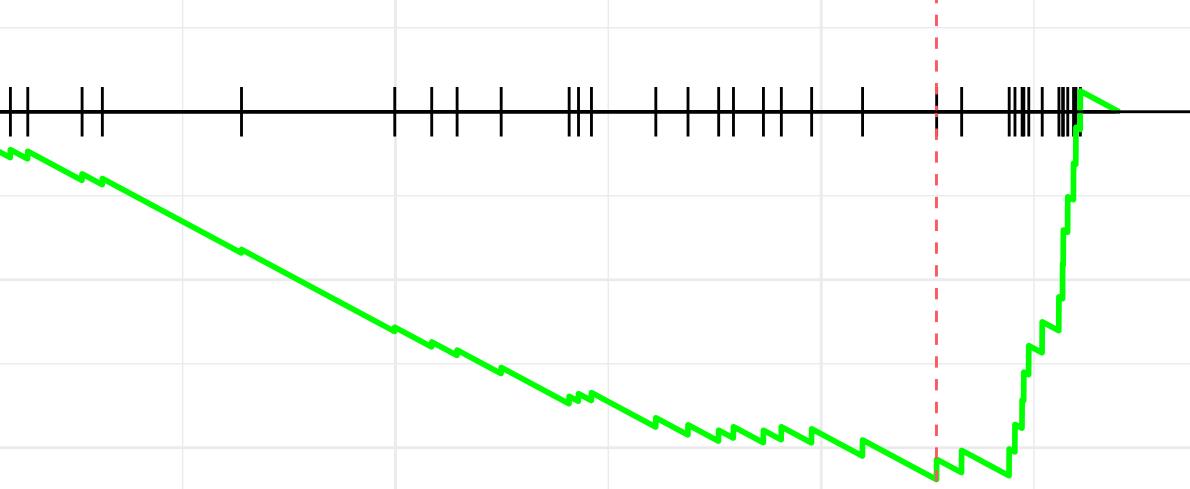
Ranked List Metric



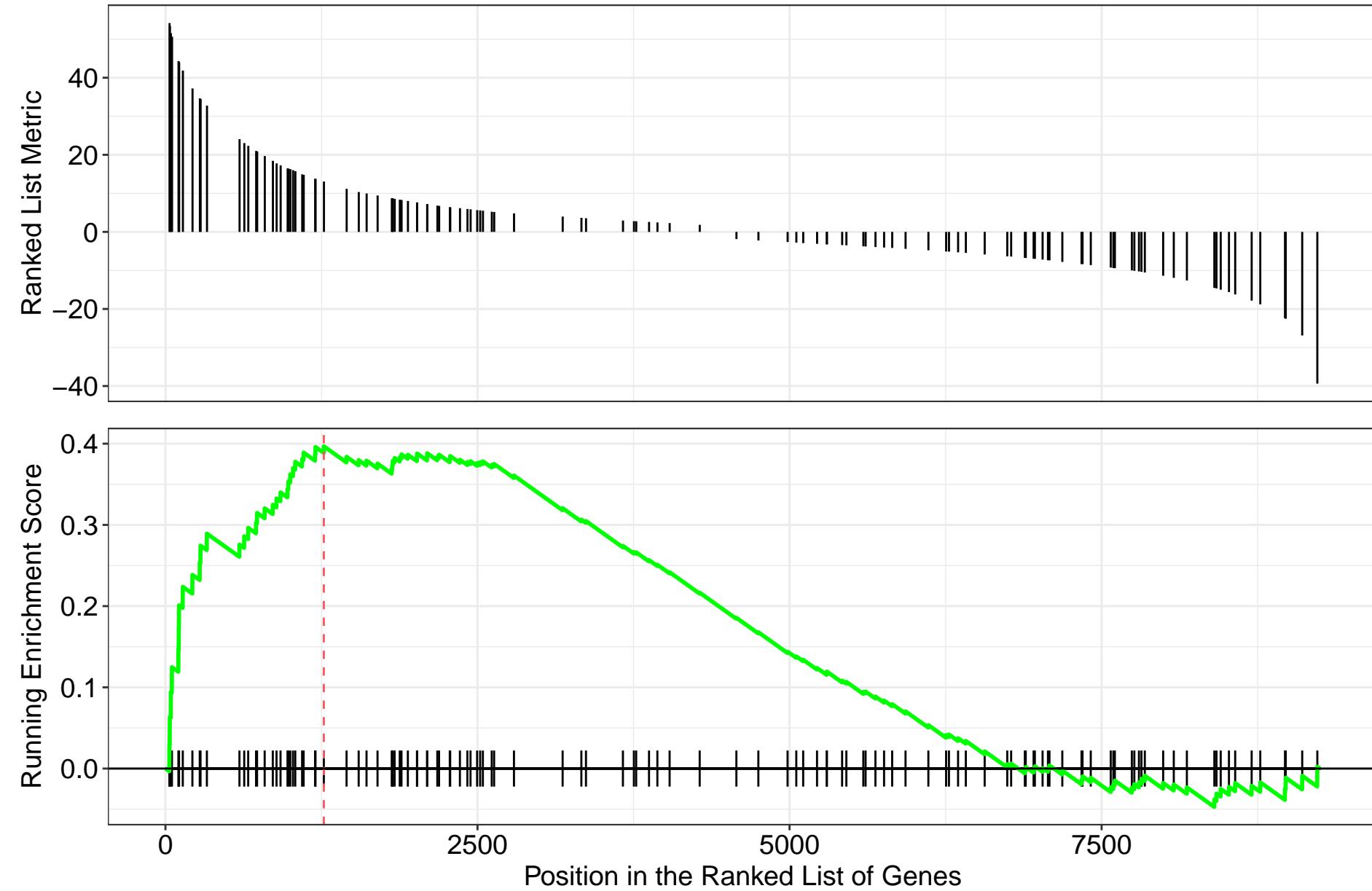
Running Enrichment Score

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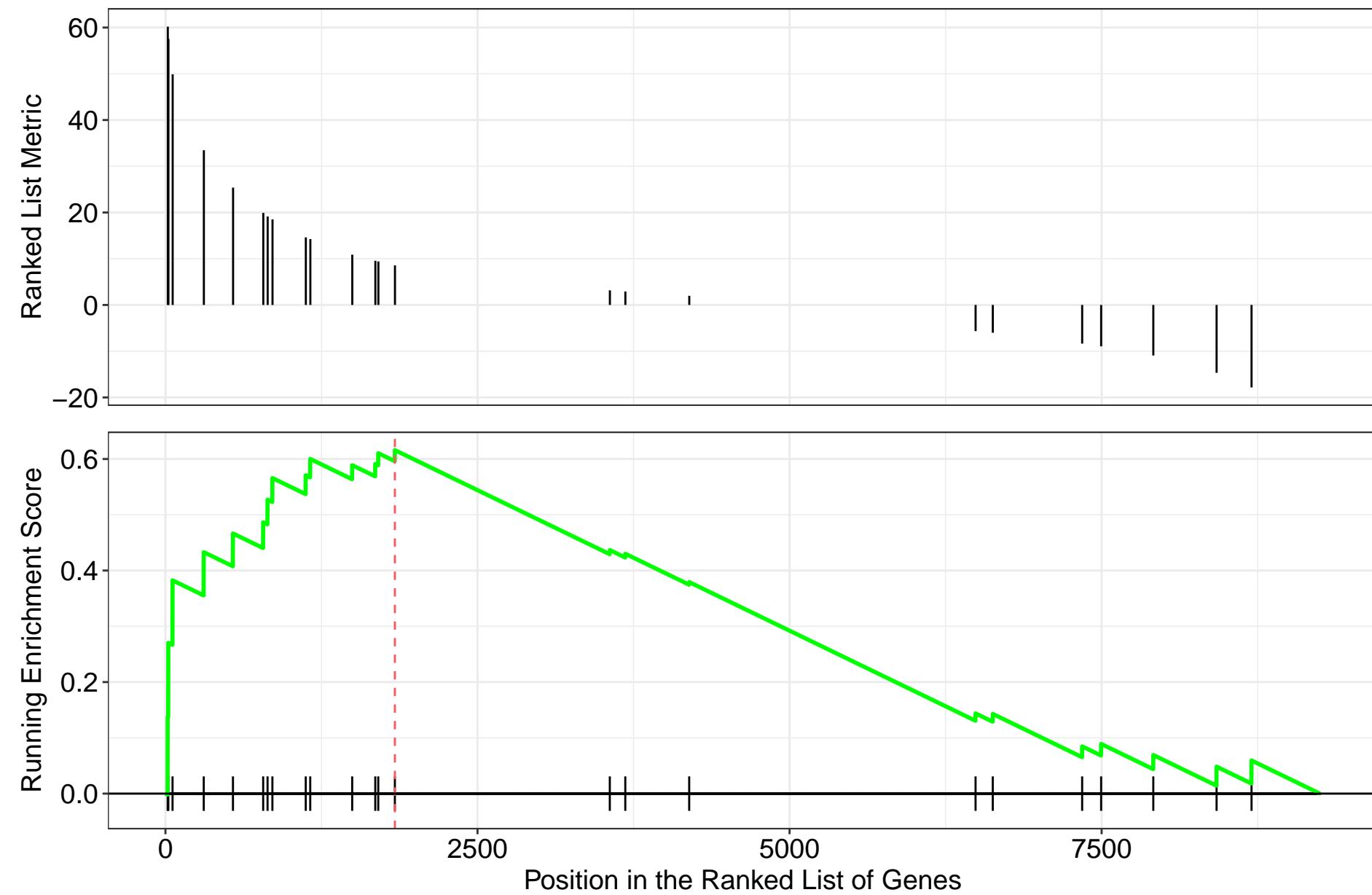
Position in the Ranked List of Genes



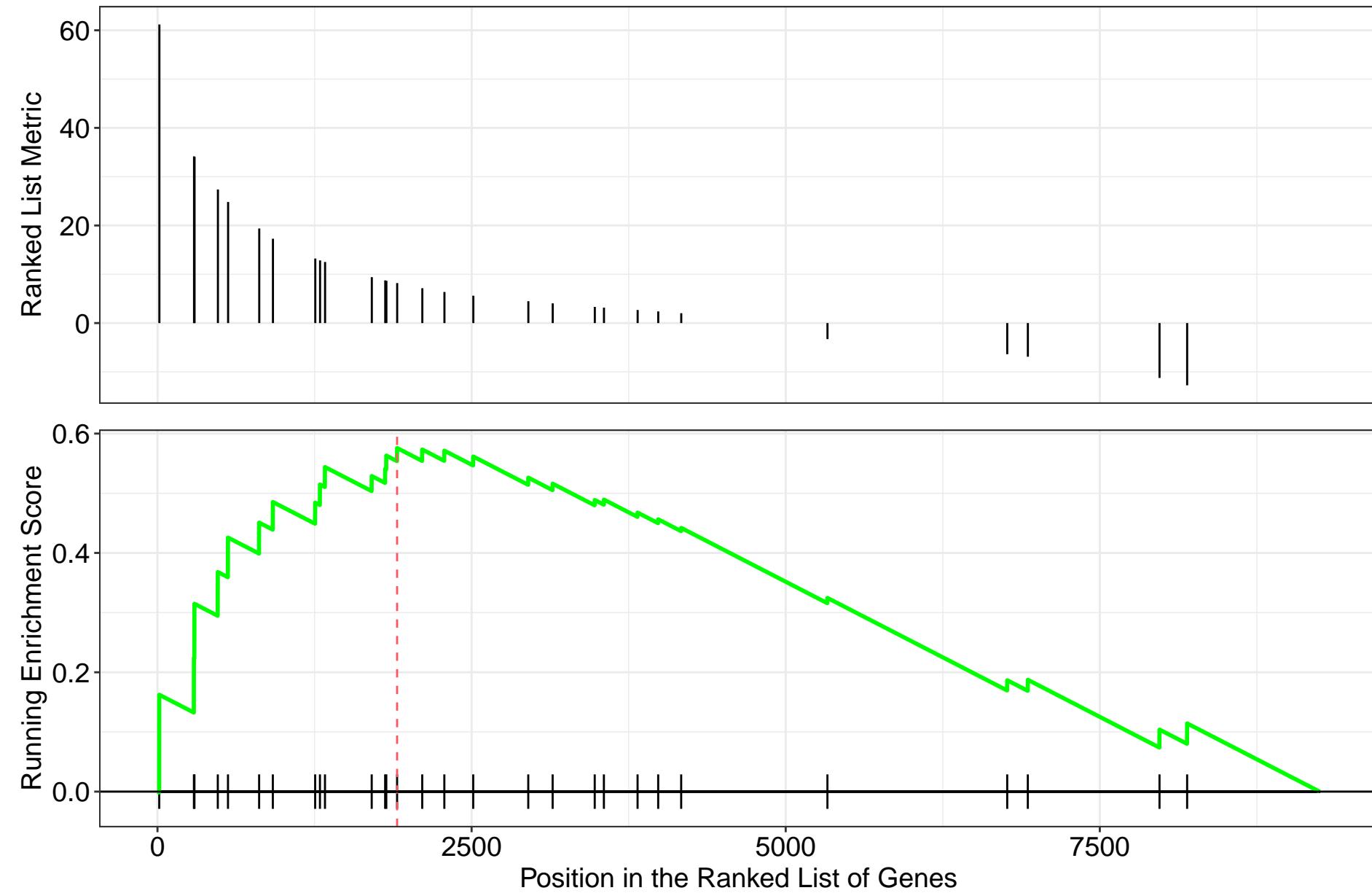
organic acid transport



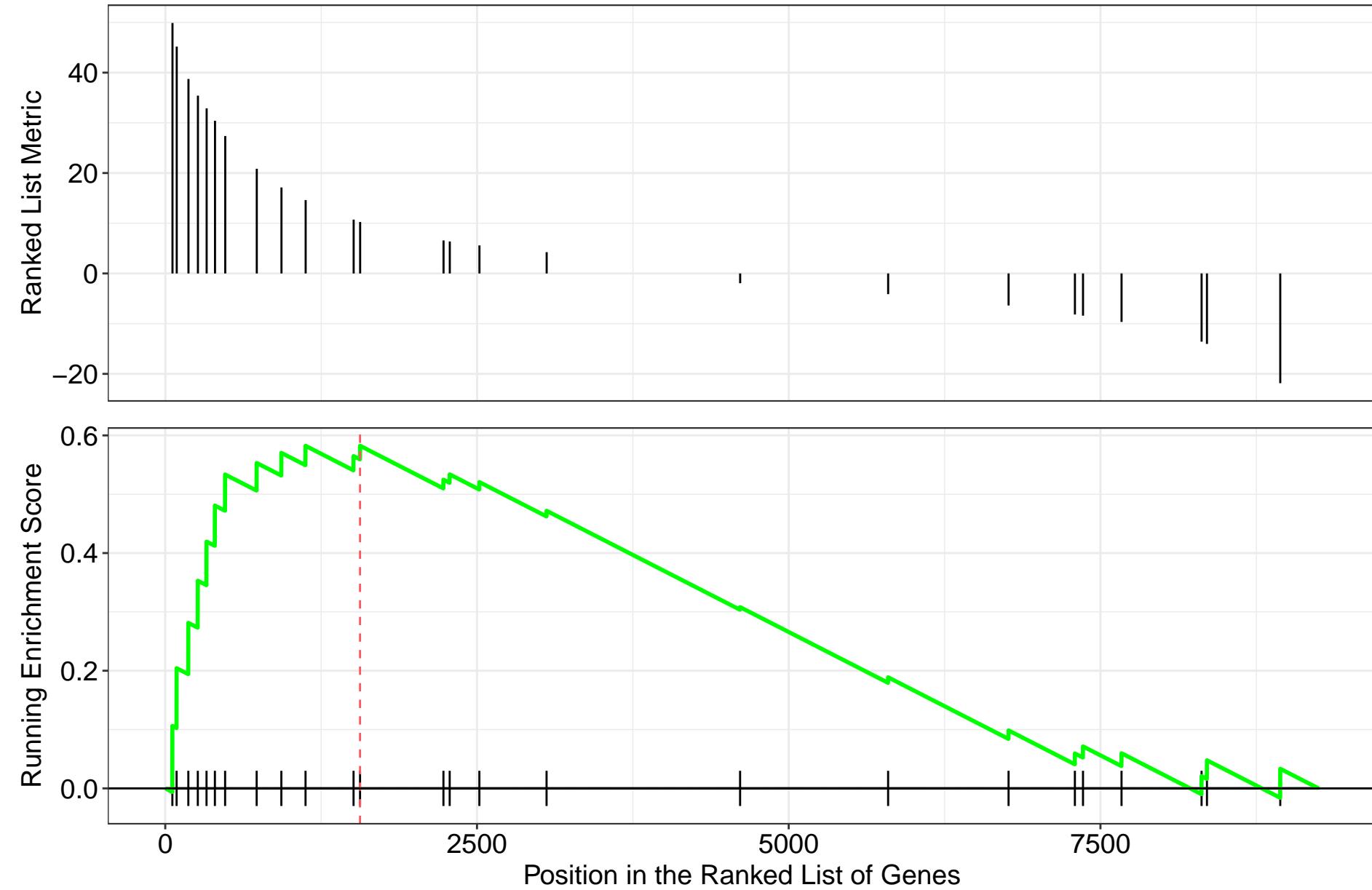
vascular endothelial growth factor signaling pathway



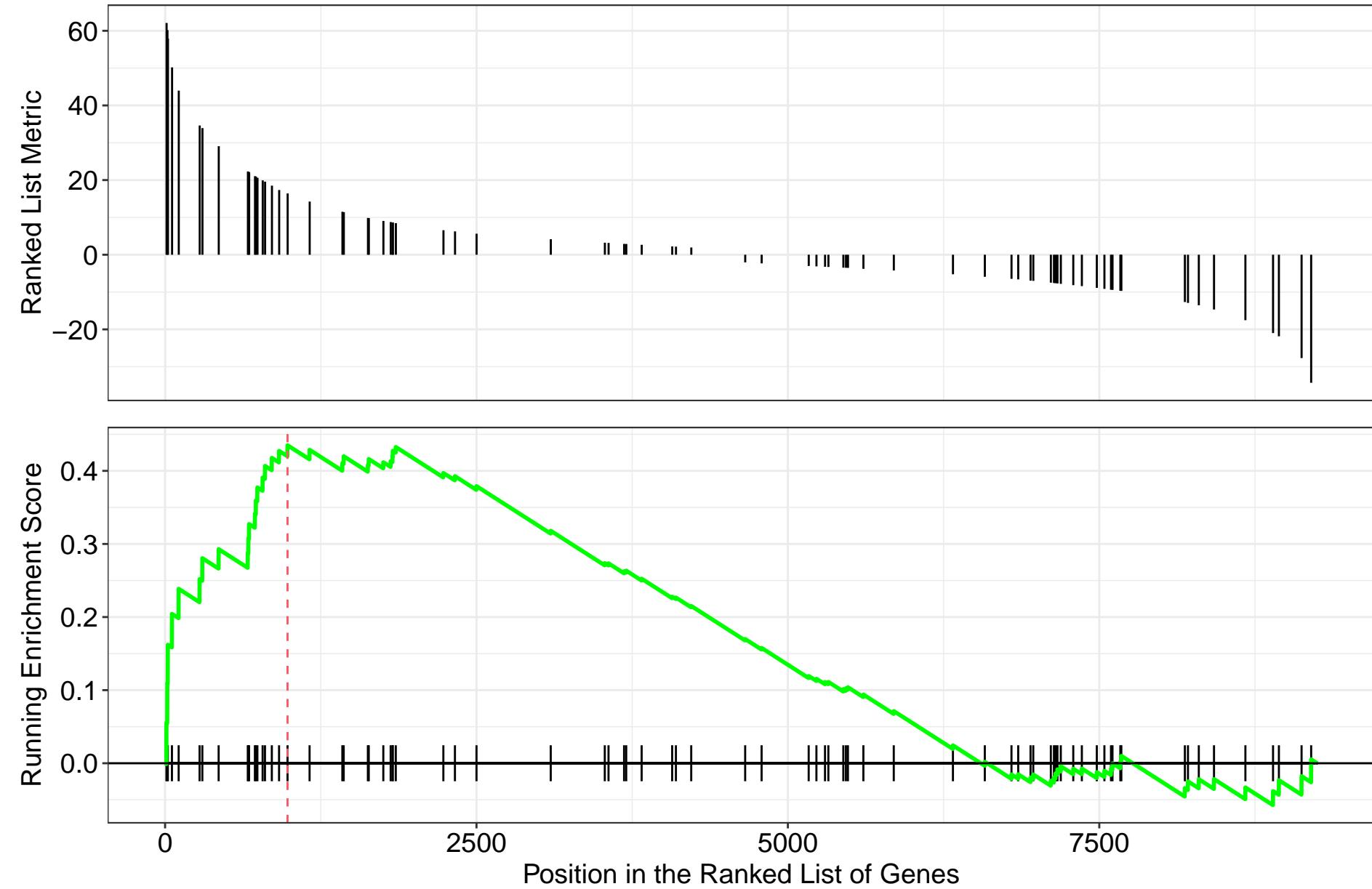
negative regulation of T cell differentiation



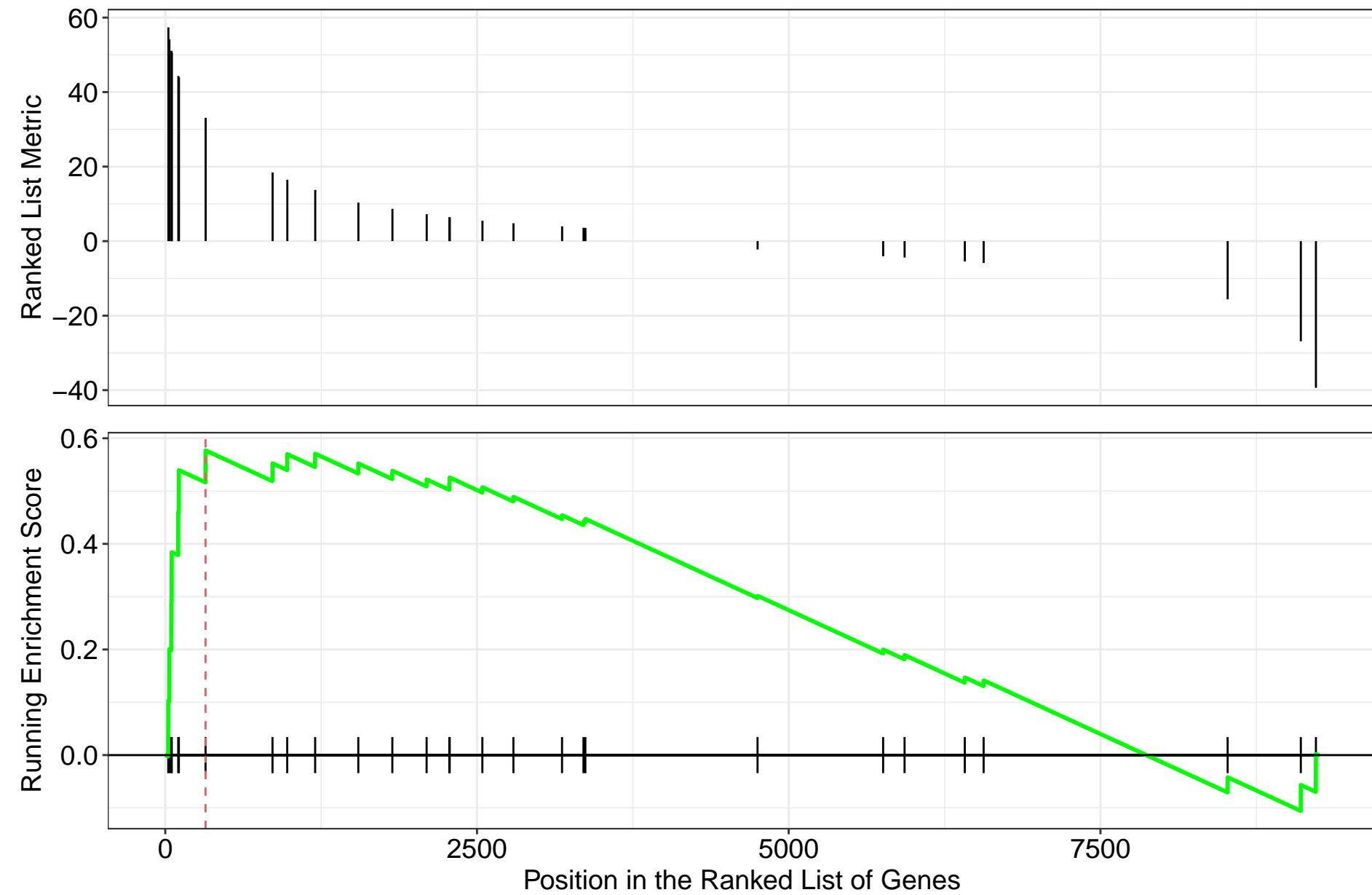
positive regulation of interleukin-10 production



phosphatidylinositol-mediated signaling

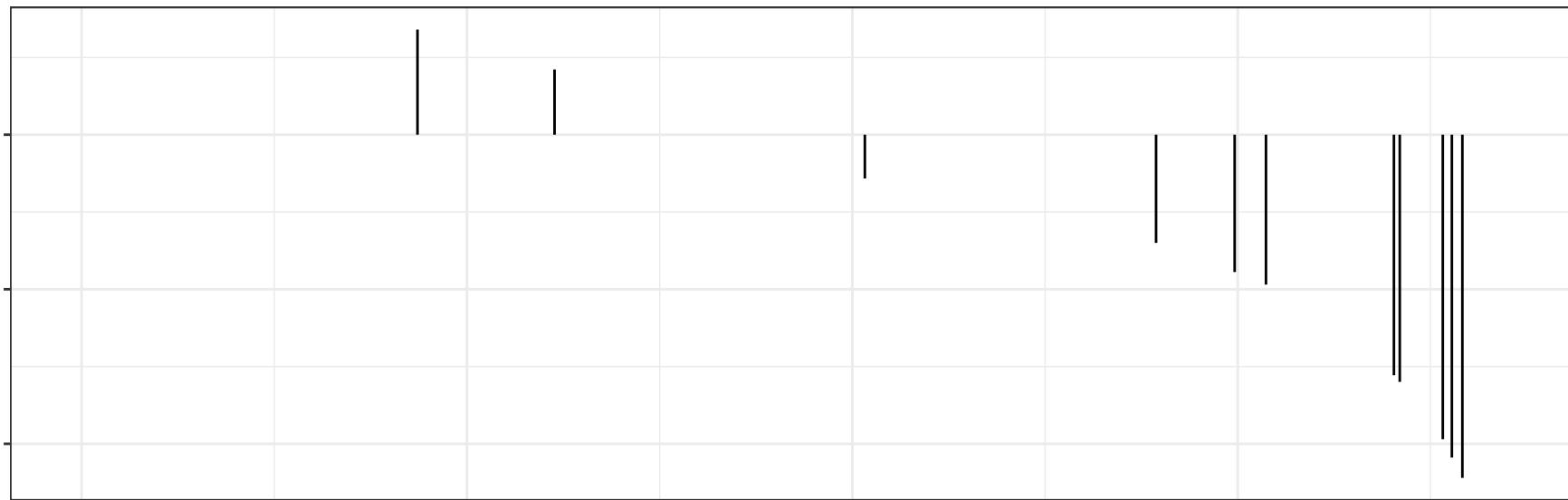


icosanoid transport



positive regulation of meiotic cell cycle

Ranked List Metric



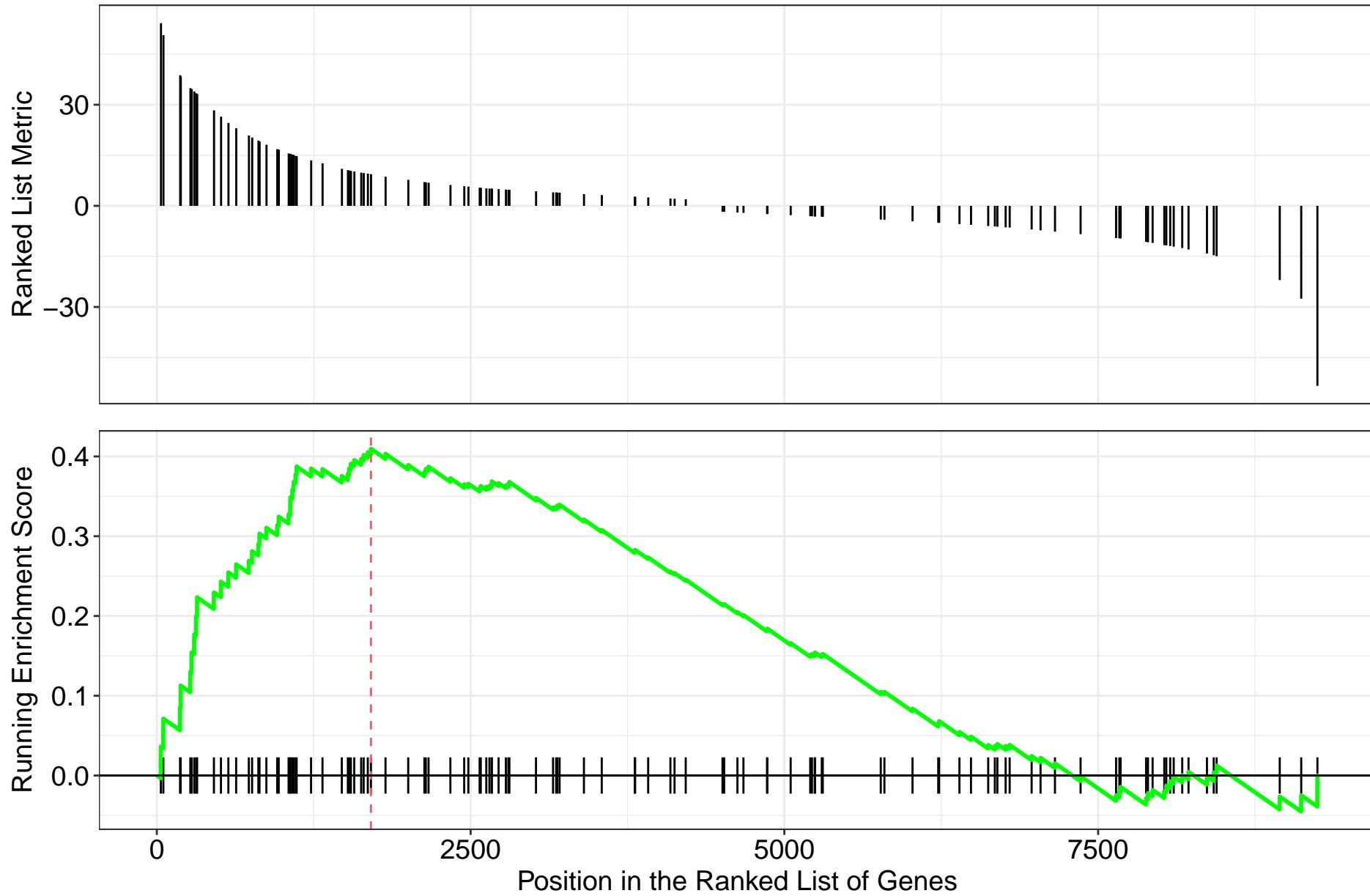
Running Enrichment Score

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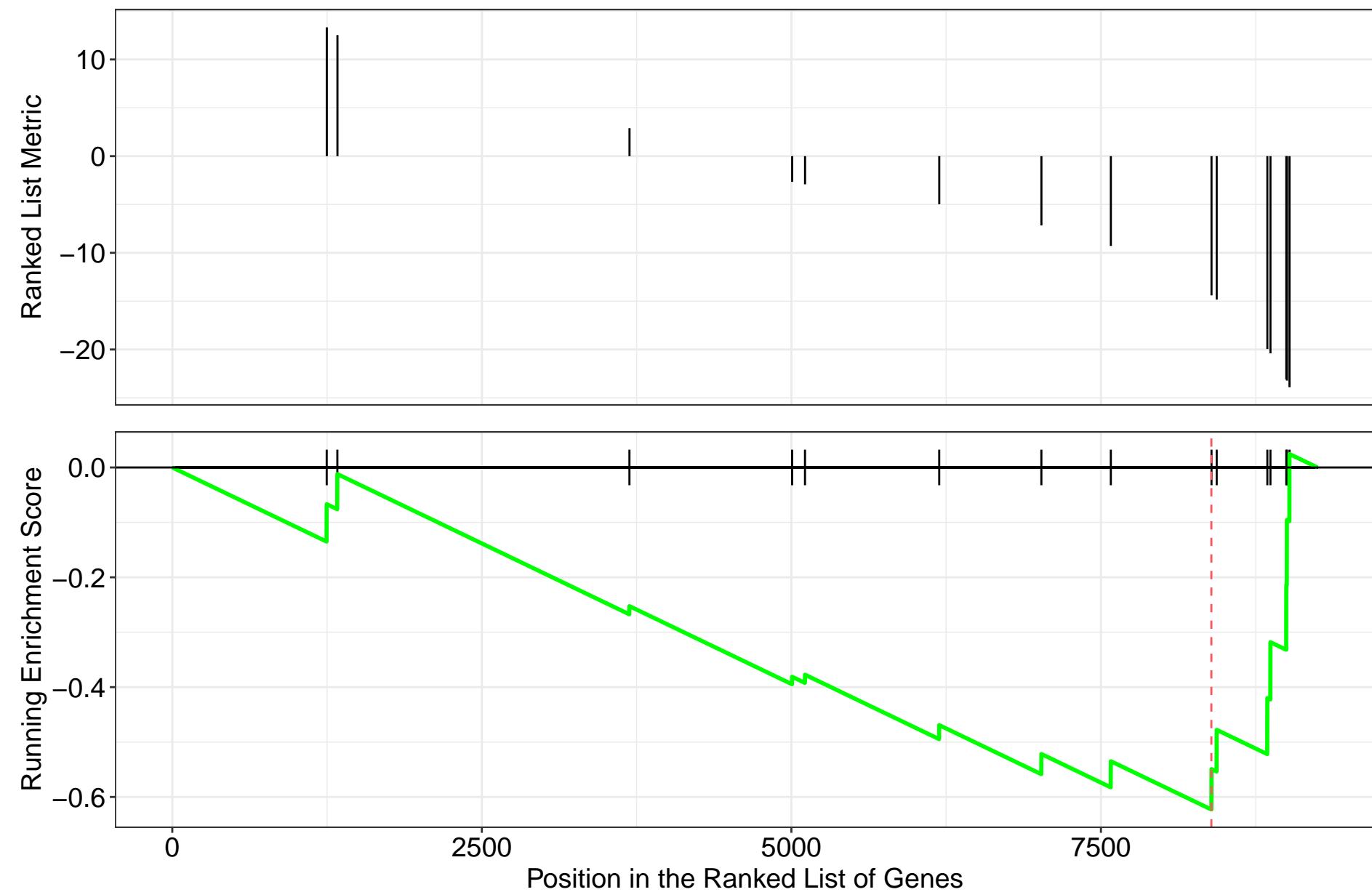
Position in the Ranked List of Genes



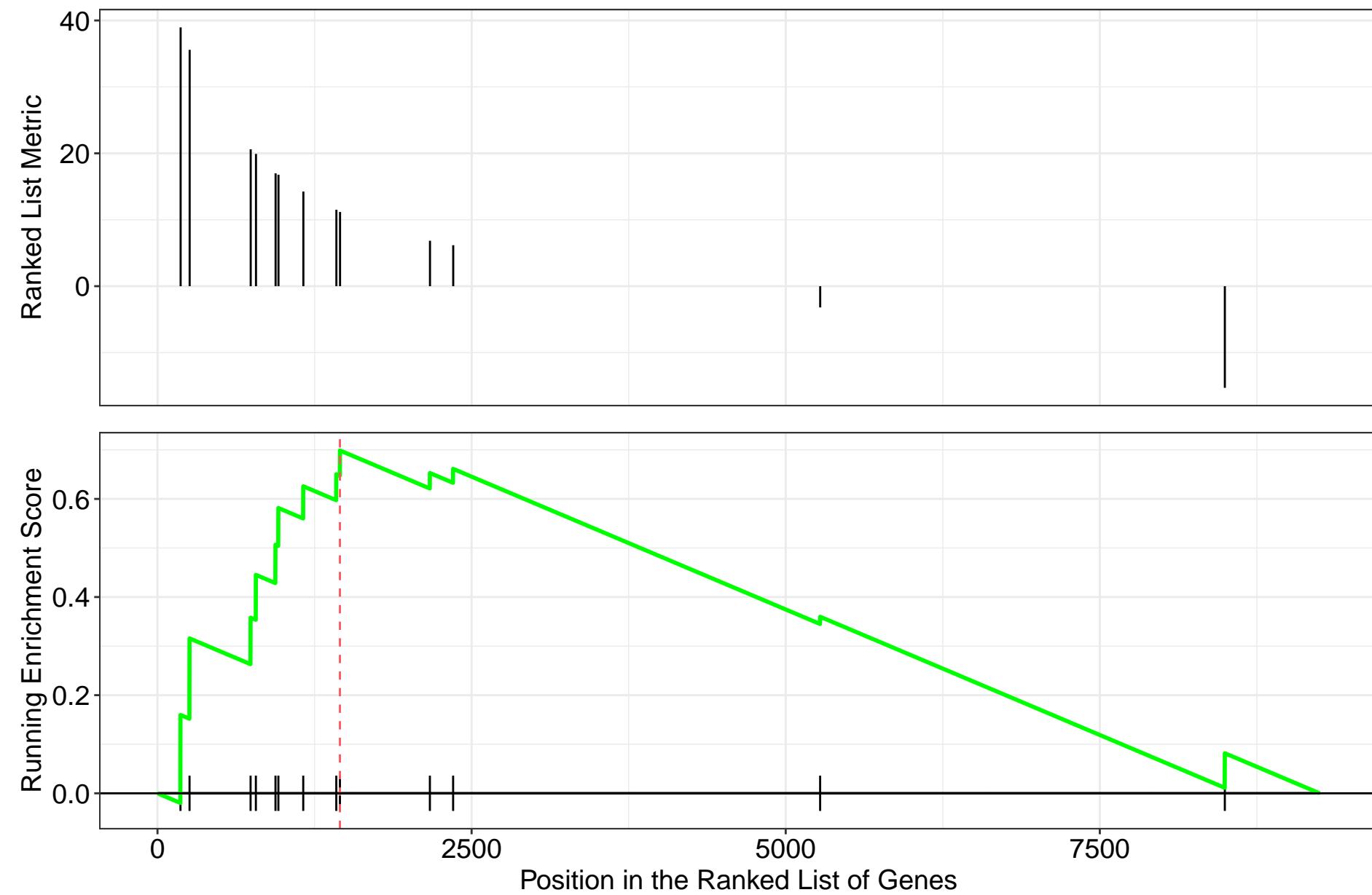
regulation of stress-activated MAPK cascade



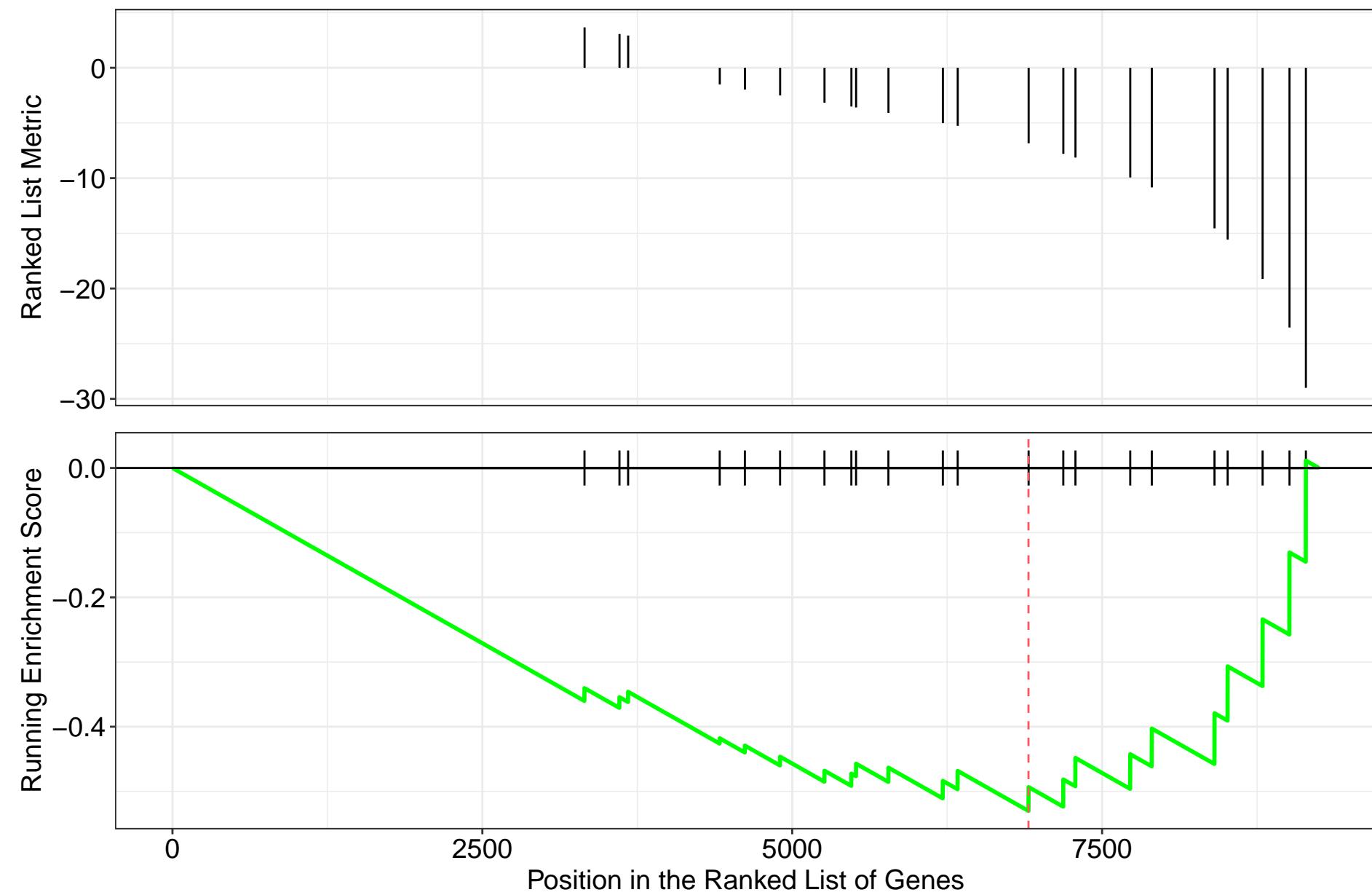
aminoglycan catabolic process



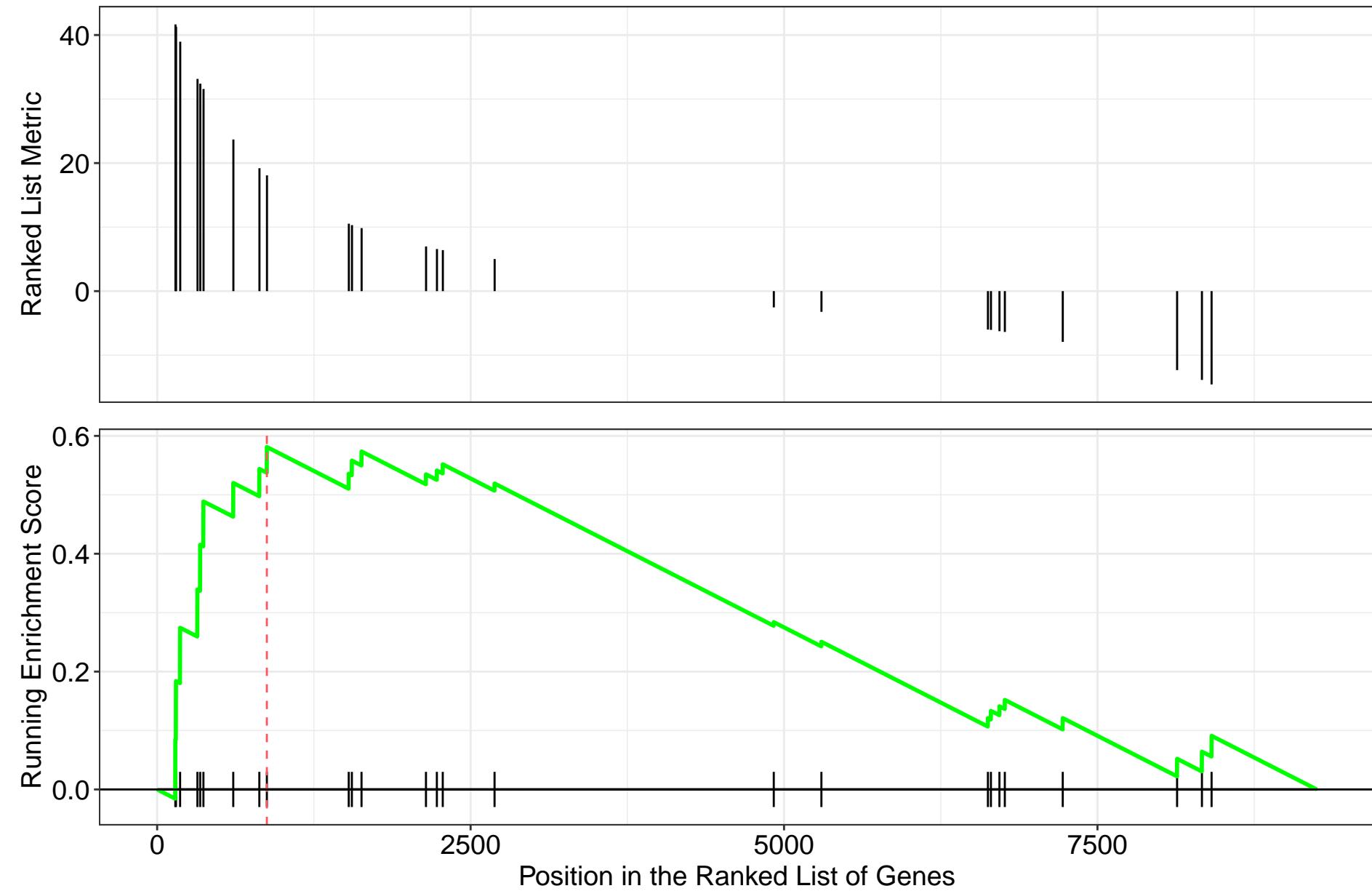
positive regulation of collagen biosynthetic process



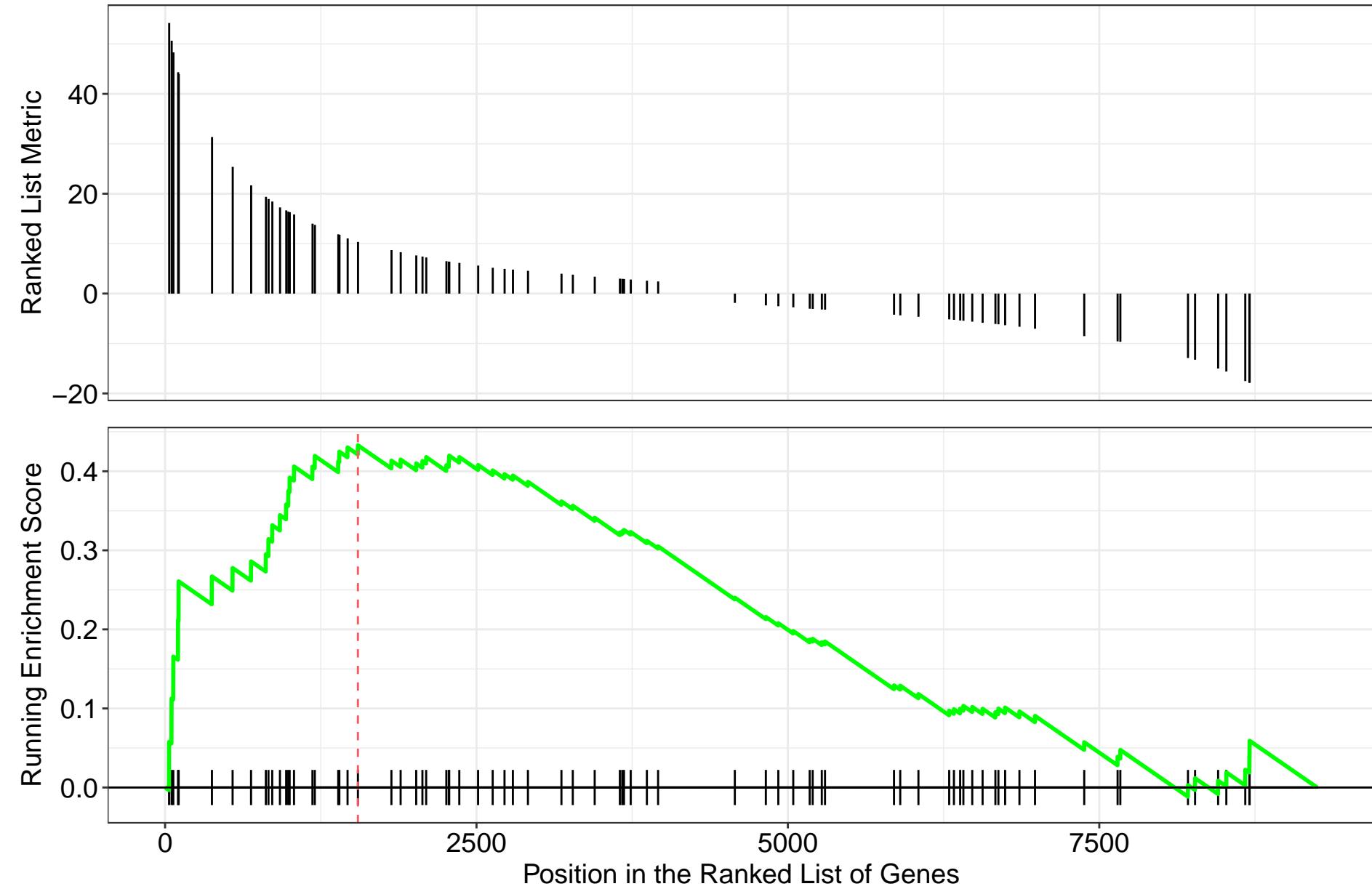
interstrand cross-link repair



negative regulation of leukocyte migration

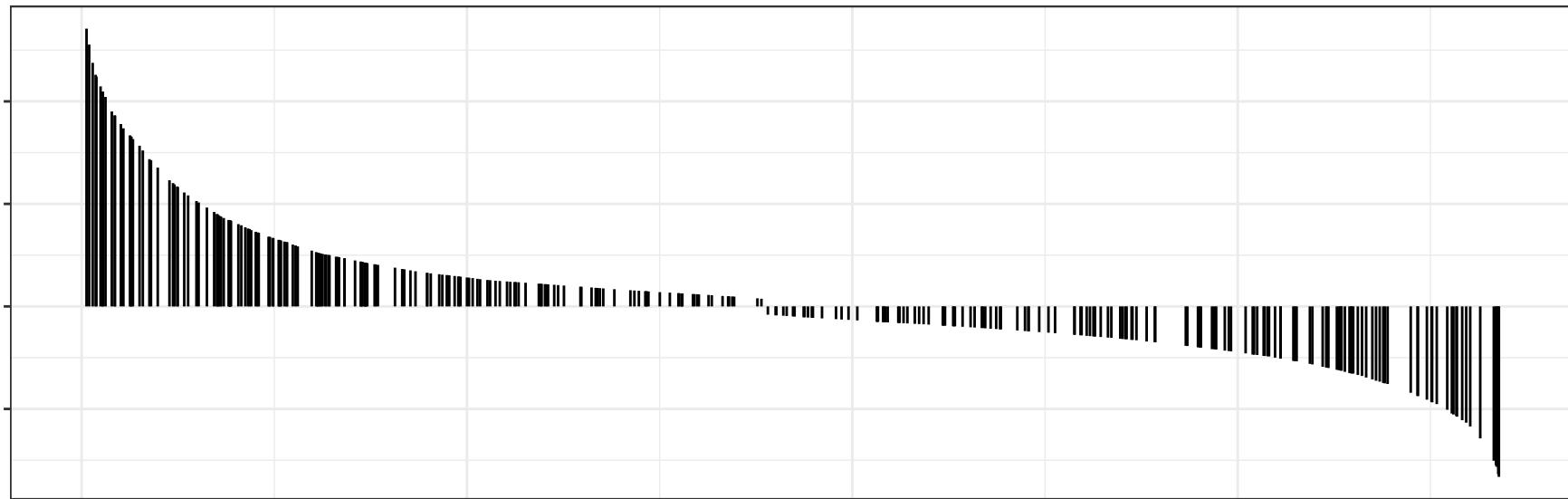


regulation of lipid localization



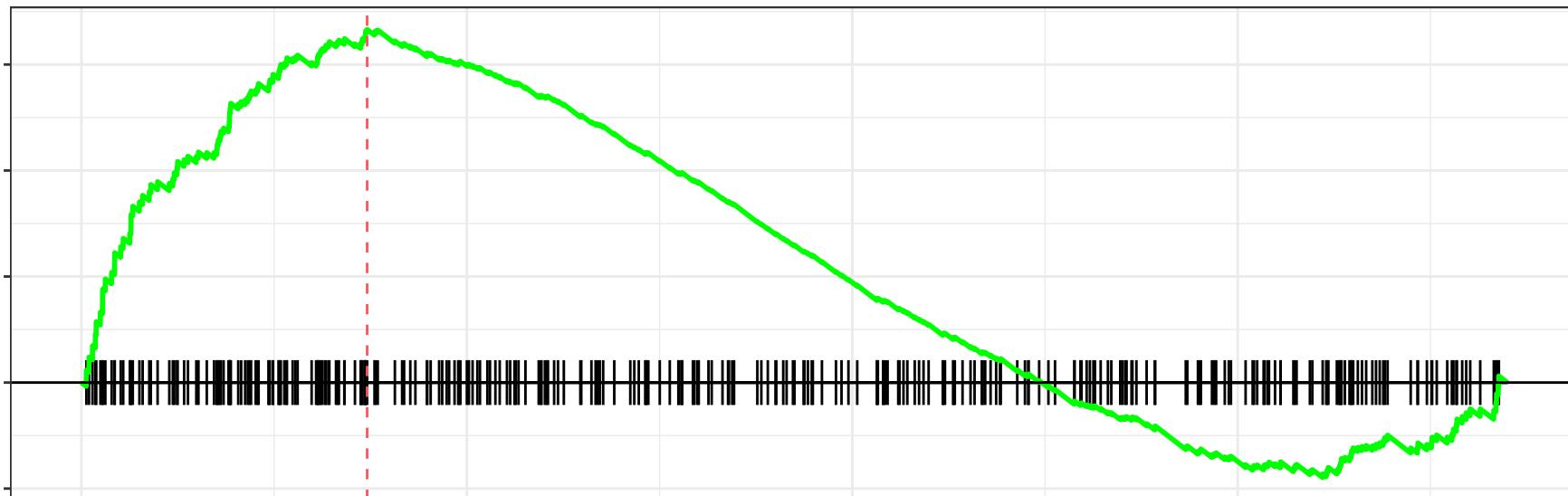
negative regulation of catalytic activity

Ranked List Metric

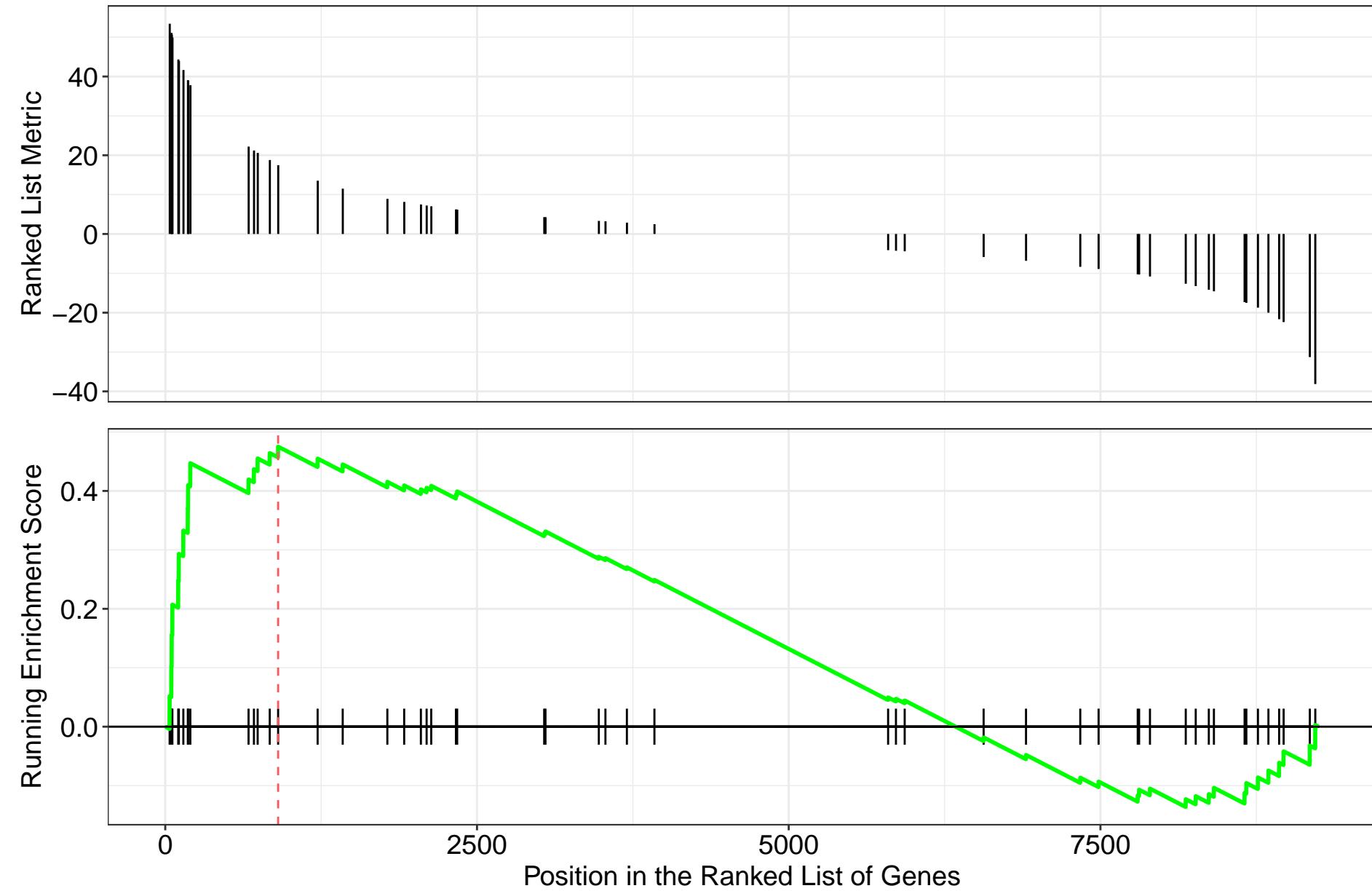


Running Enrichment Score

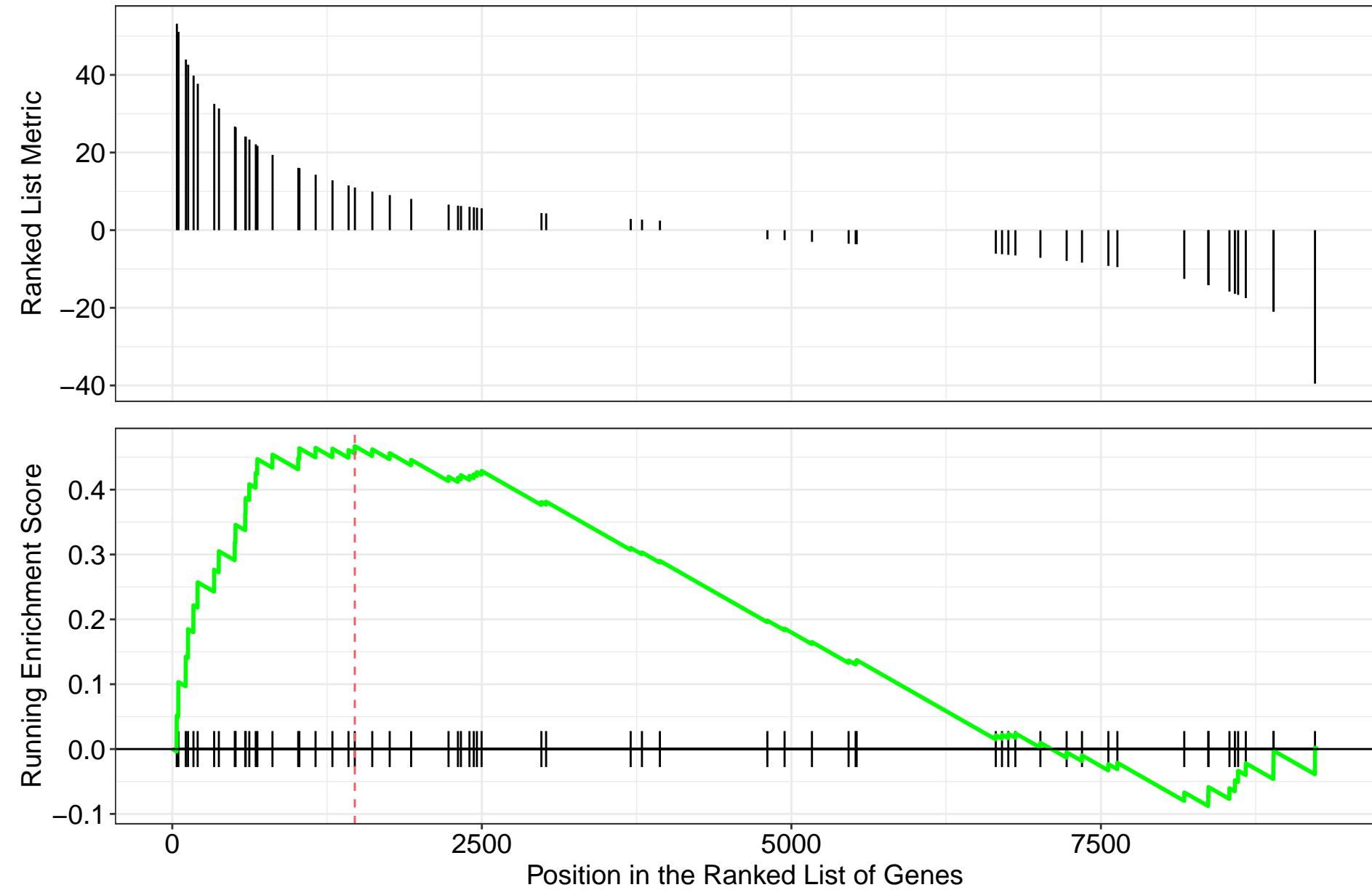
Position in the Ranked List of Genes



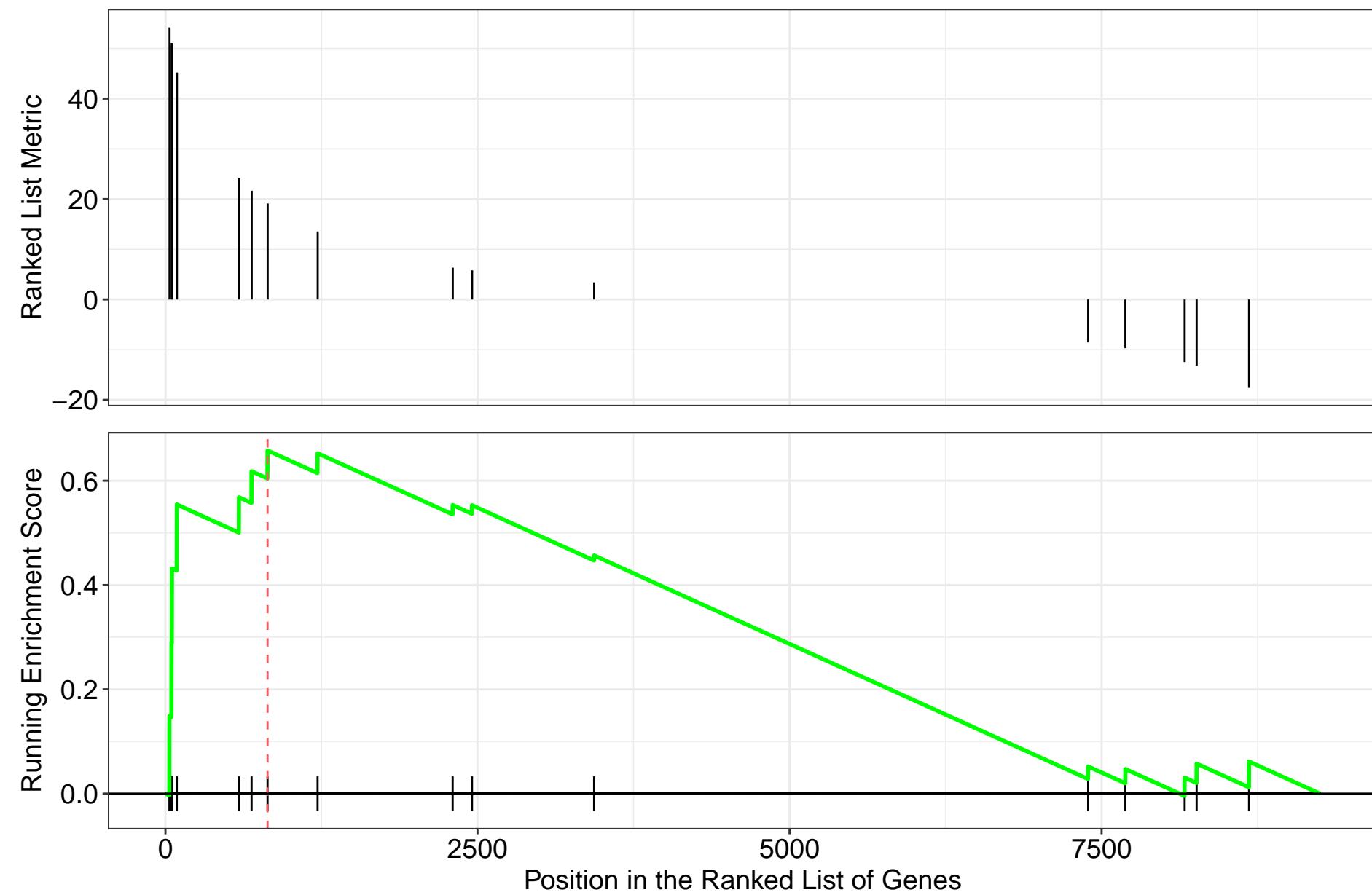
sensory perception of pain



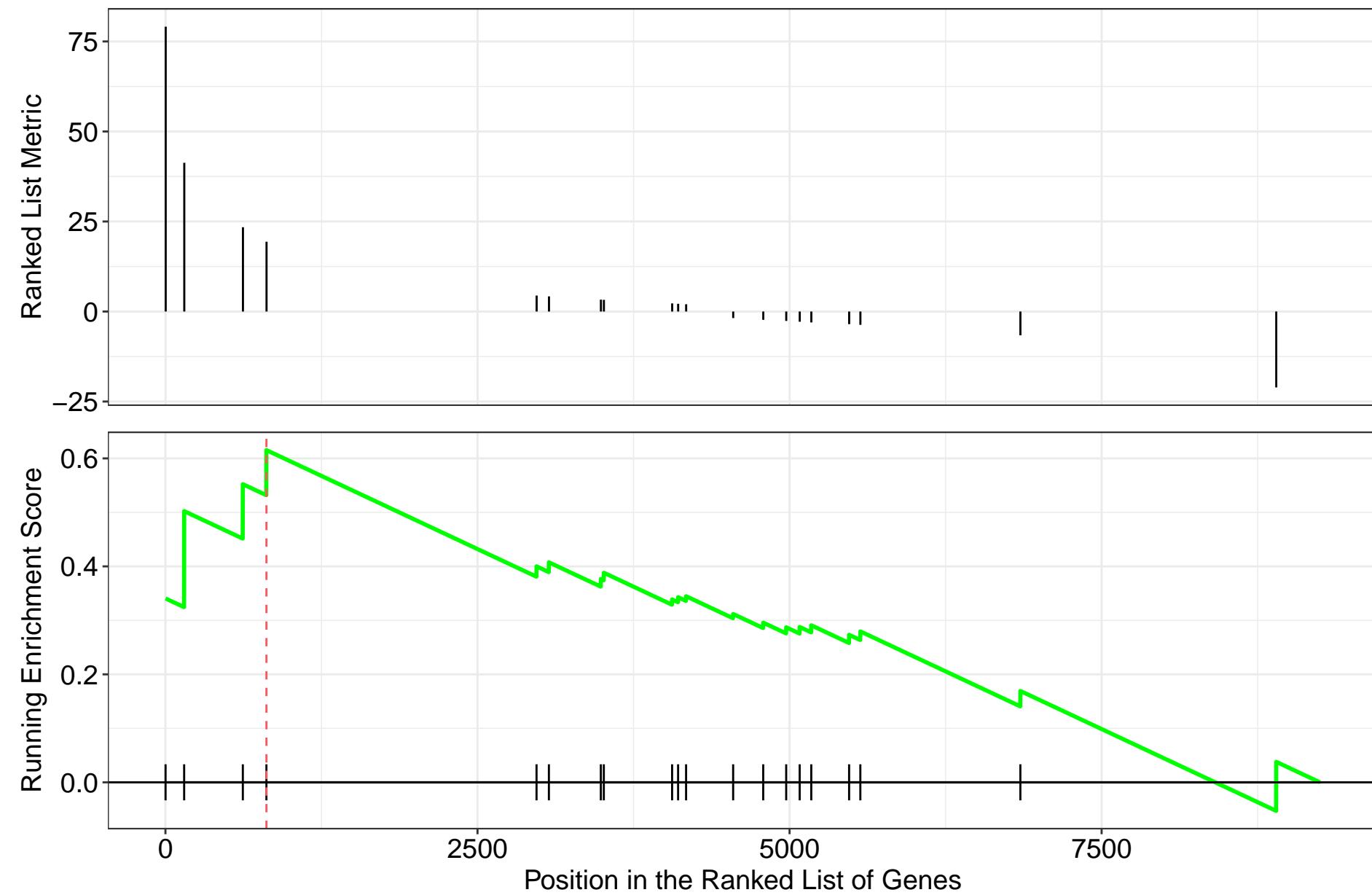
regulation of muscle contraction



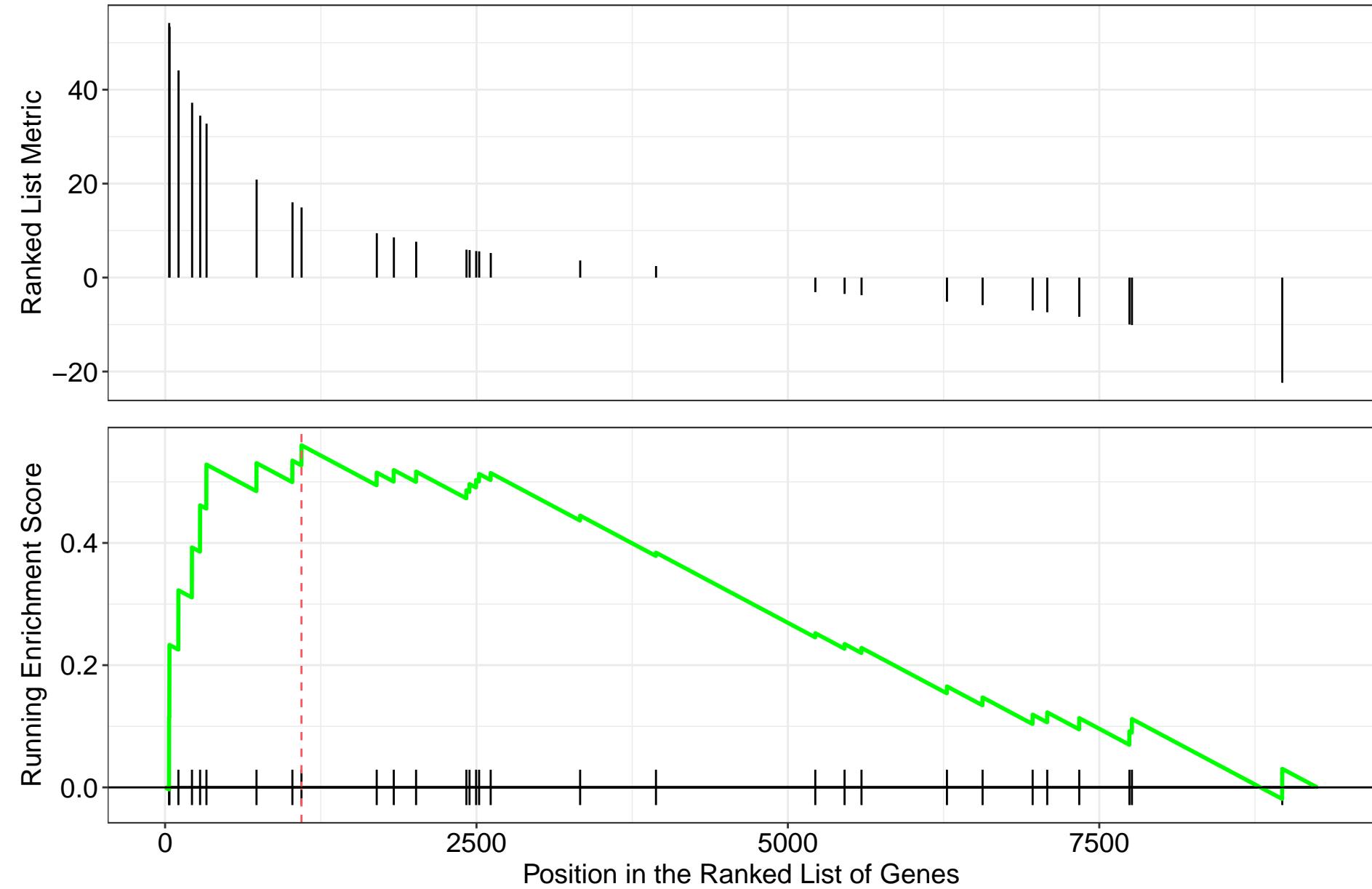
positive regulation of vascular endothelial growth factor production



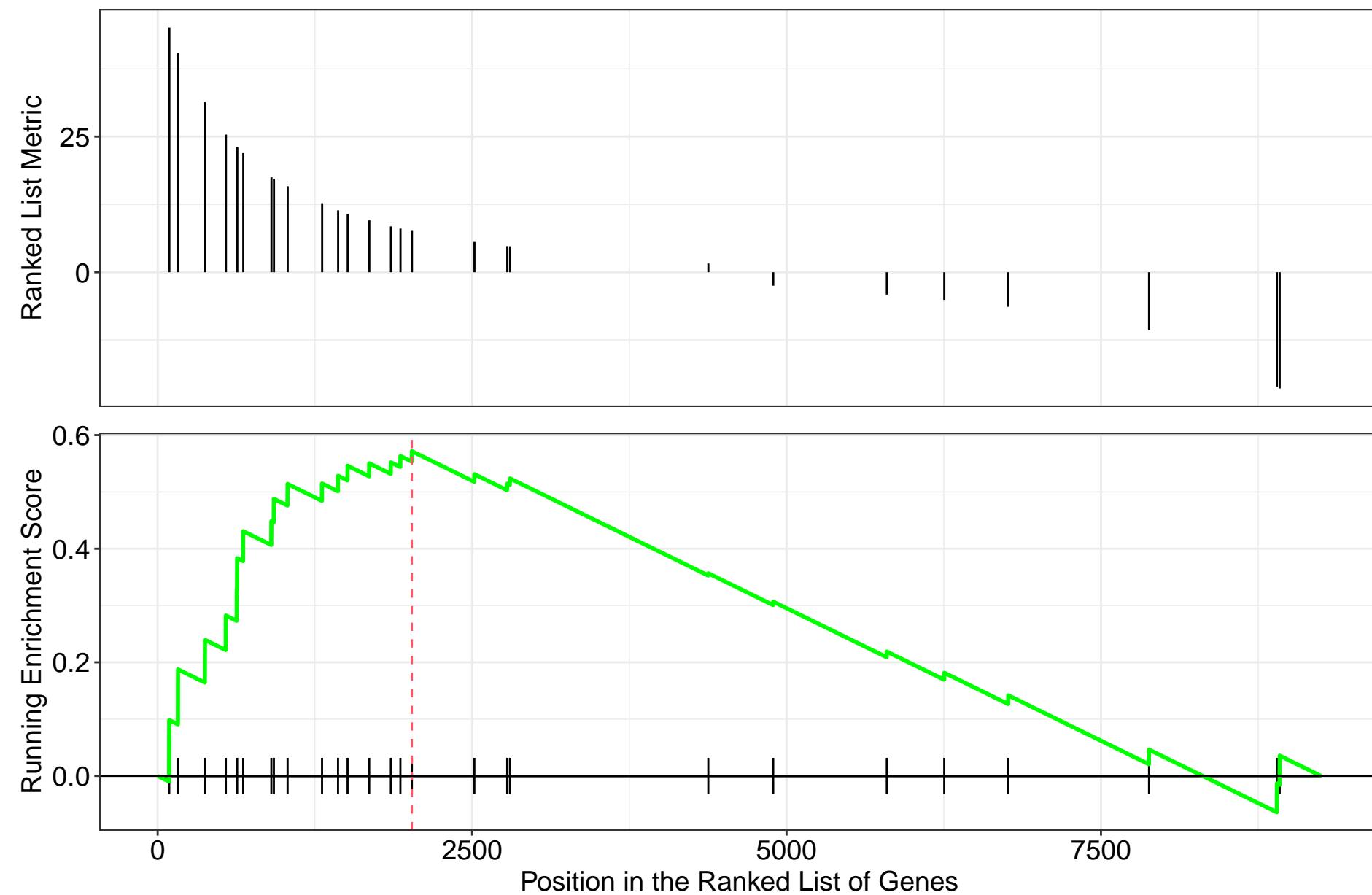
modulation by host of viral process



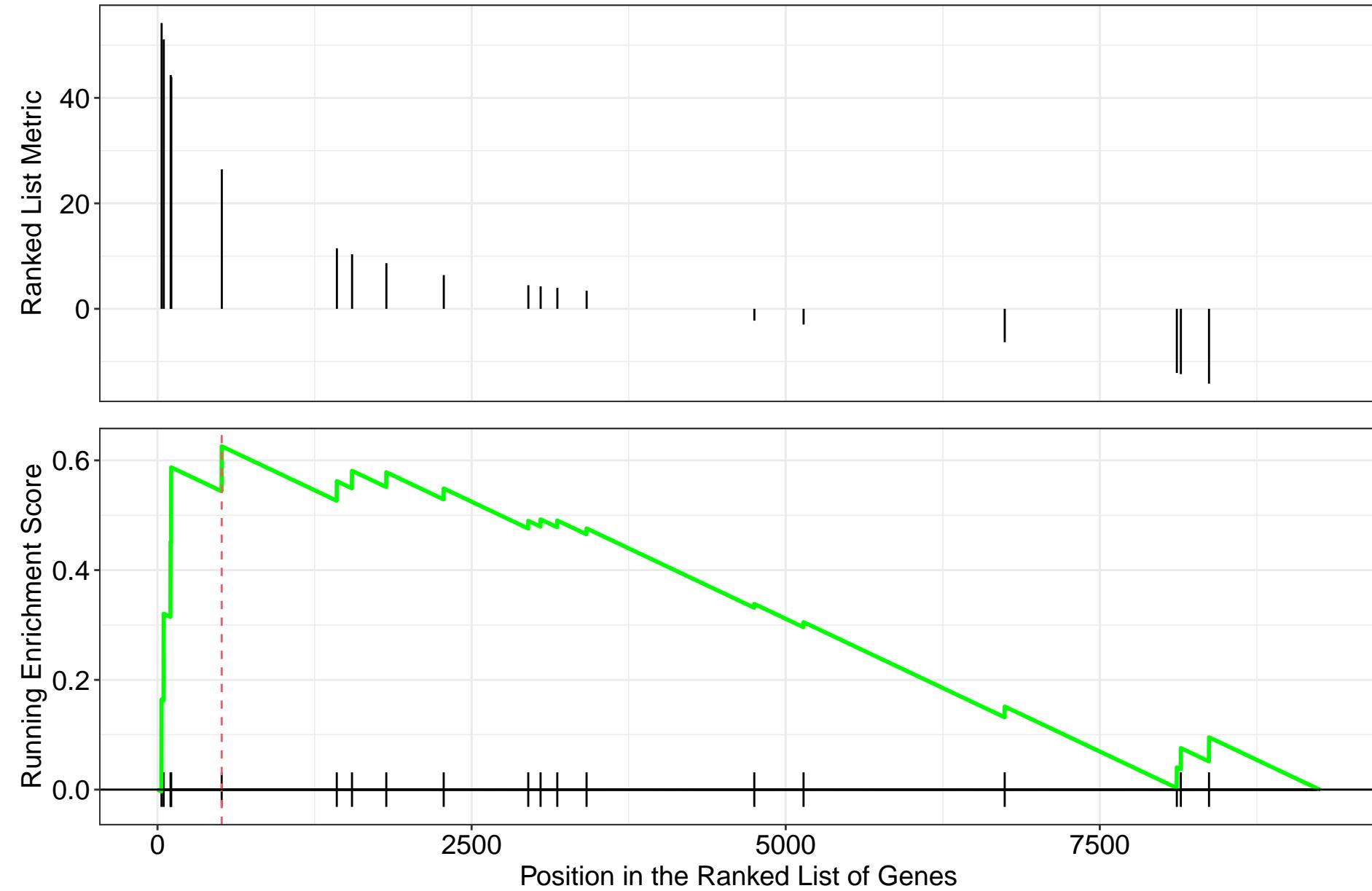
acidic amino acid transport



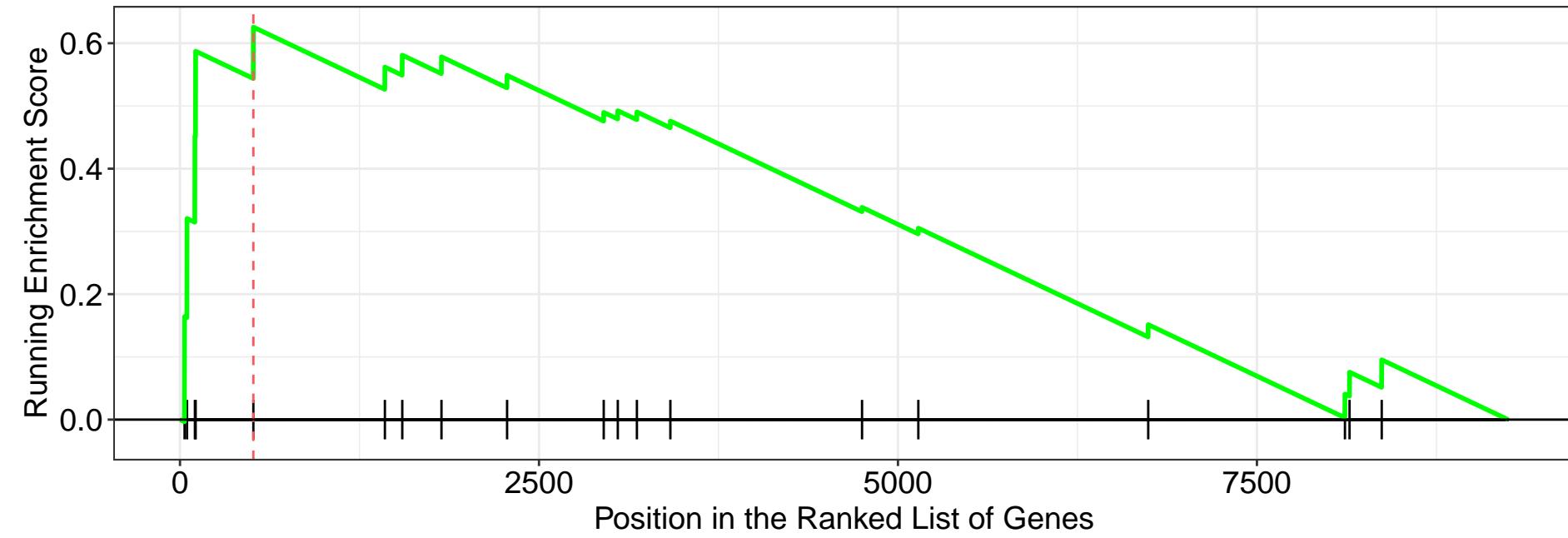
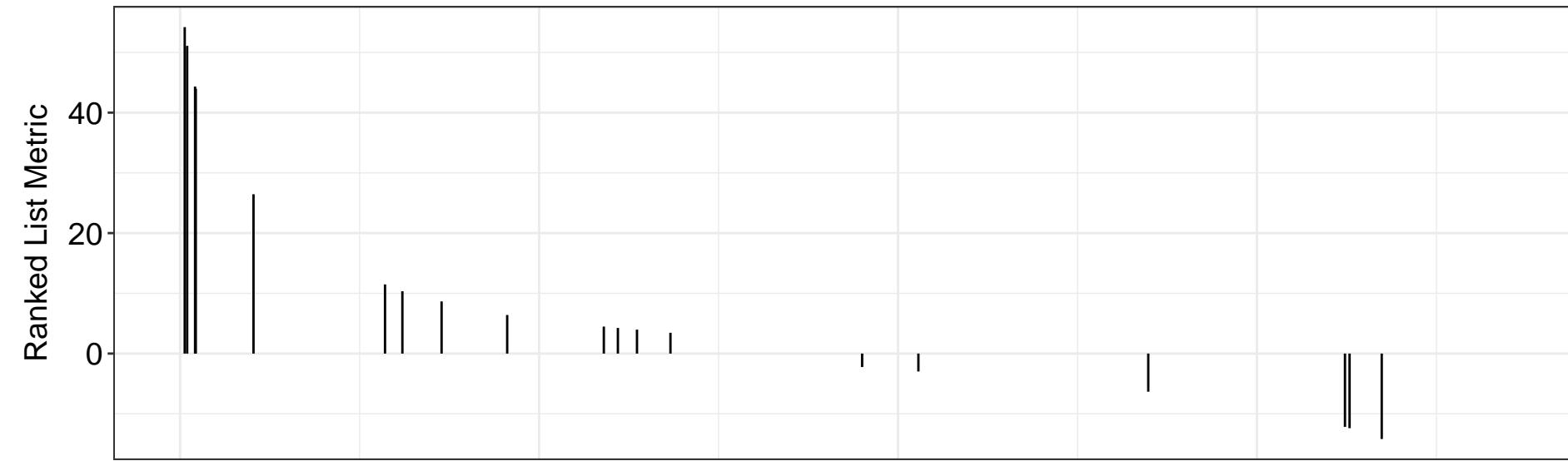
positive regulation of pattern recognition receptor signaling pathway



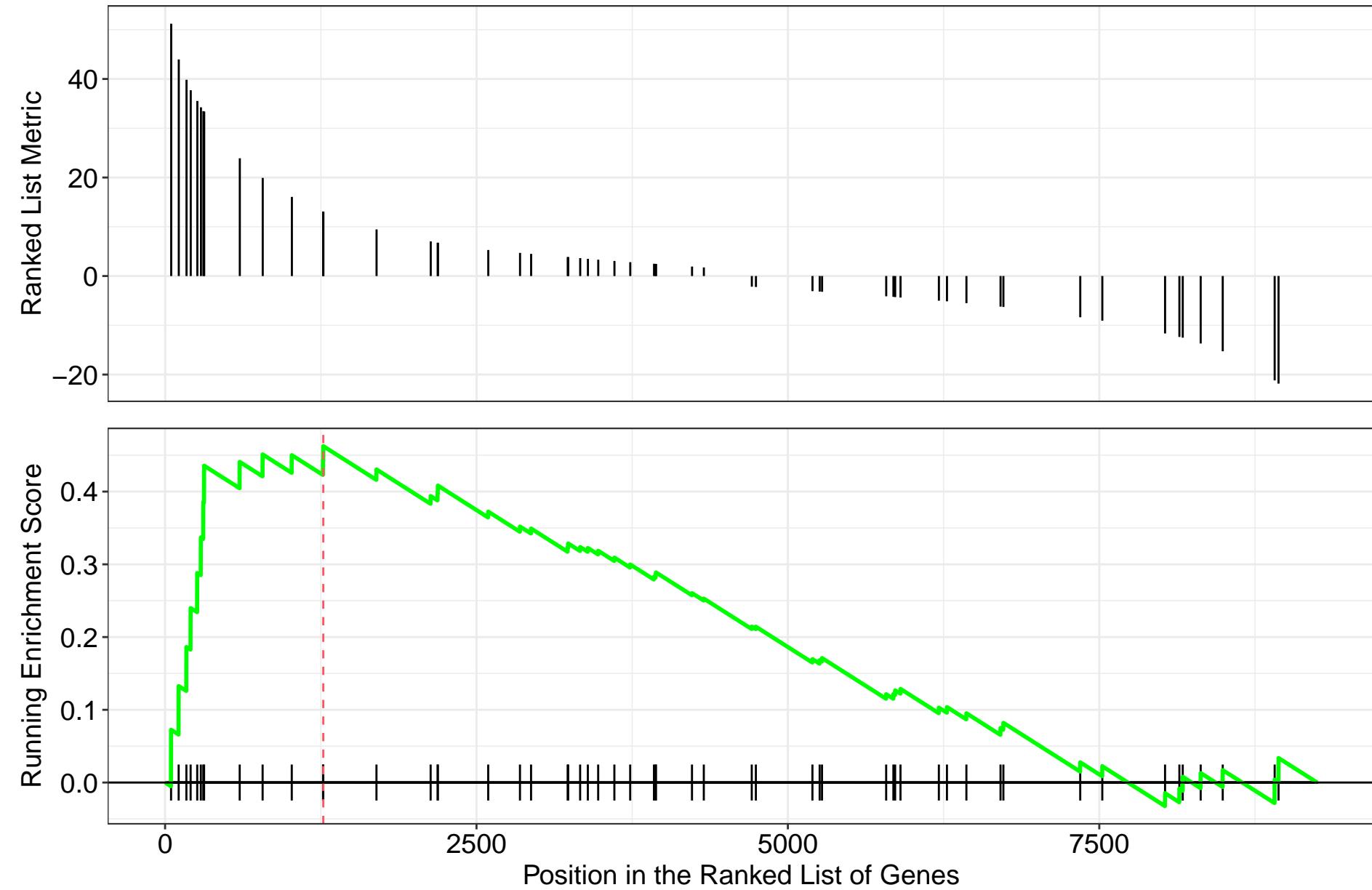
prostaglandin biosynthetic process



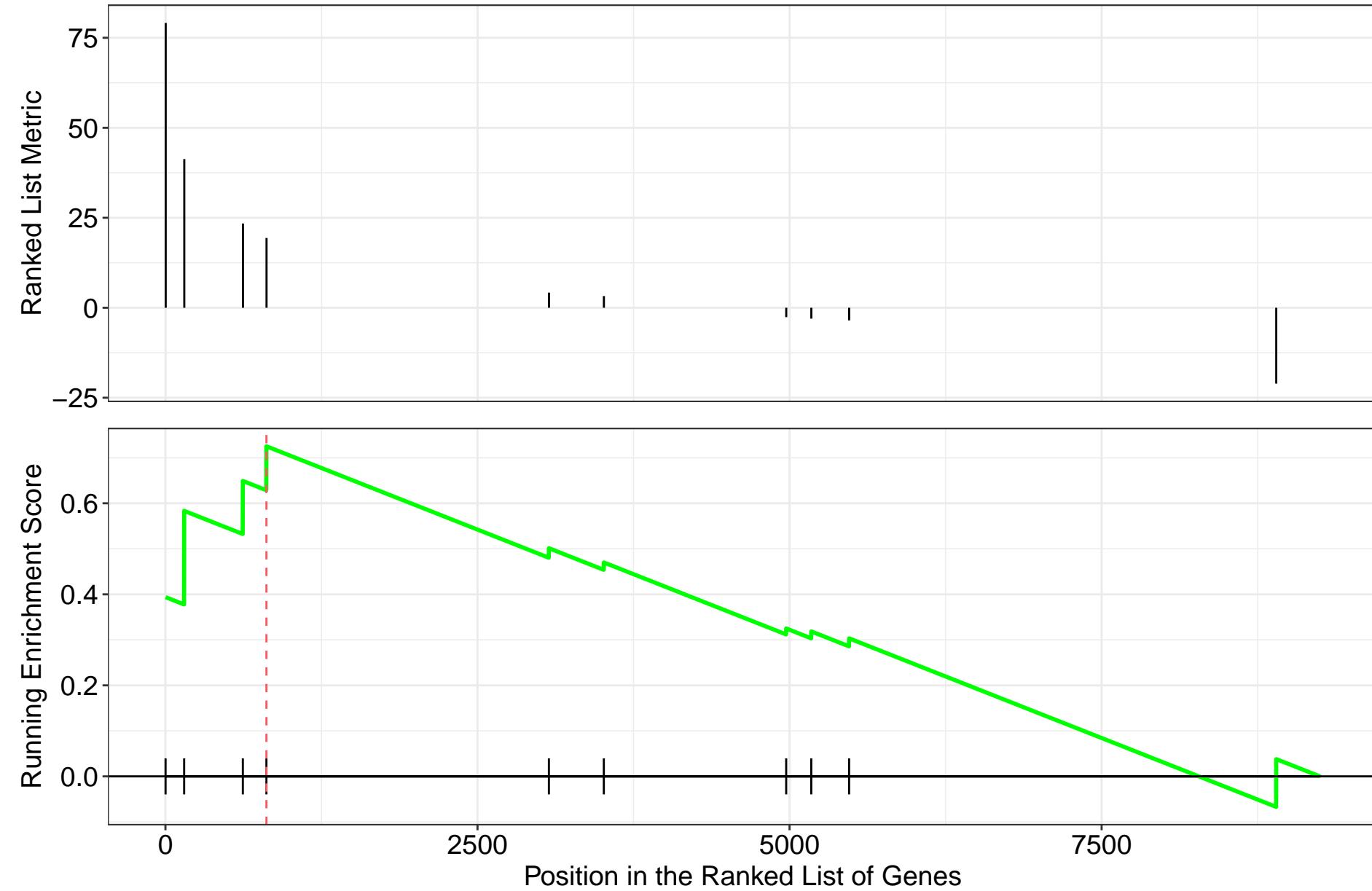
prostanoid biosynthetic process



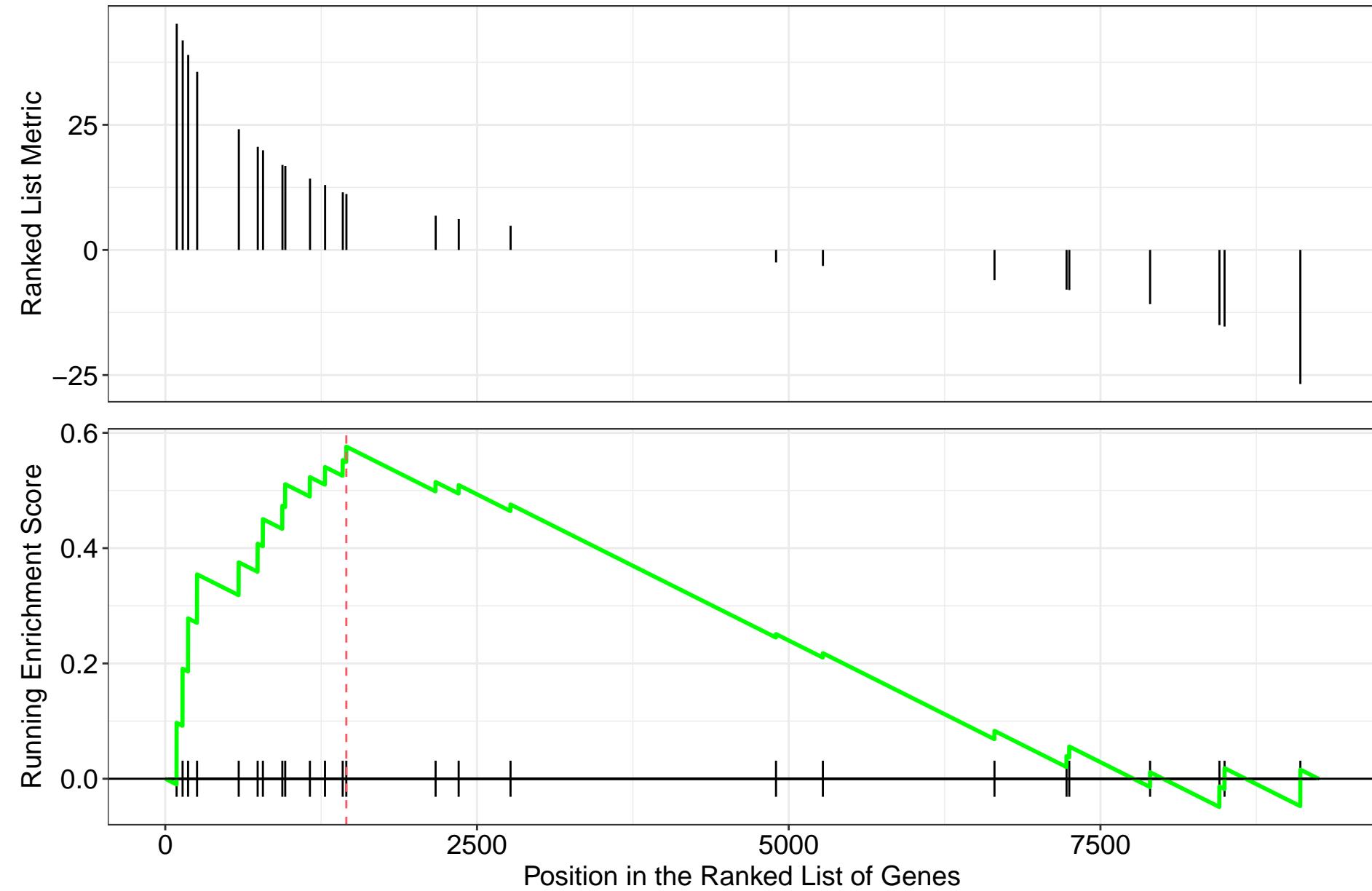
cardiac muscle cell differentiation



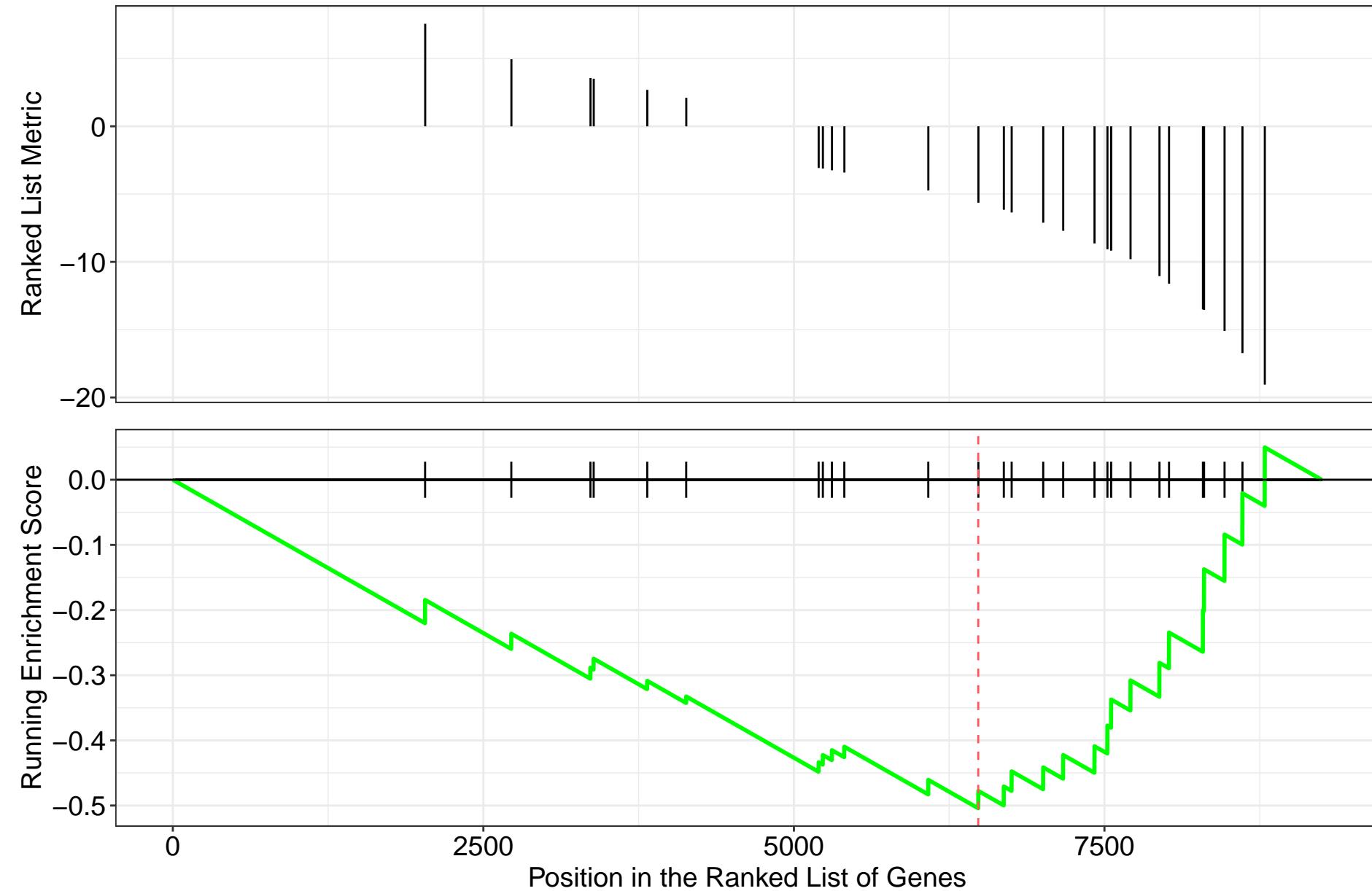
negative regulation by host of viral process



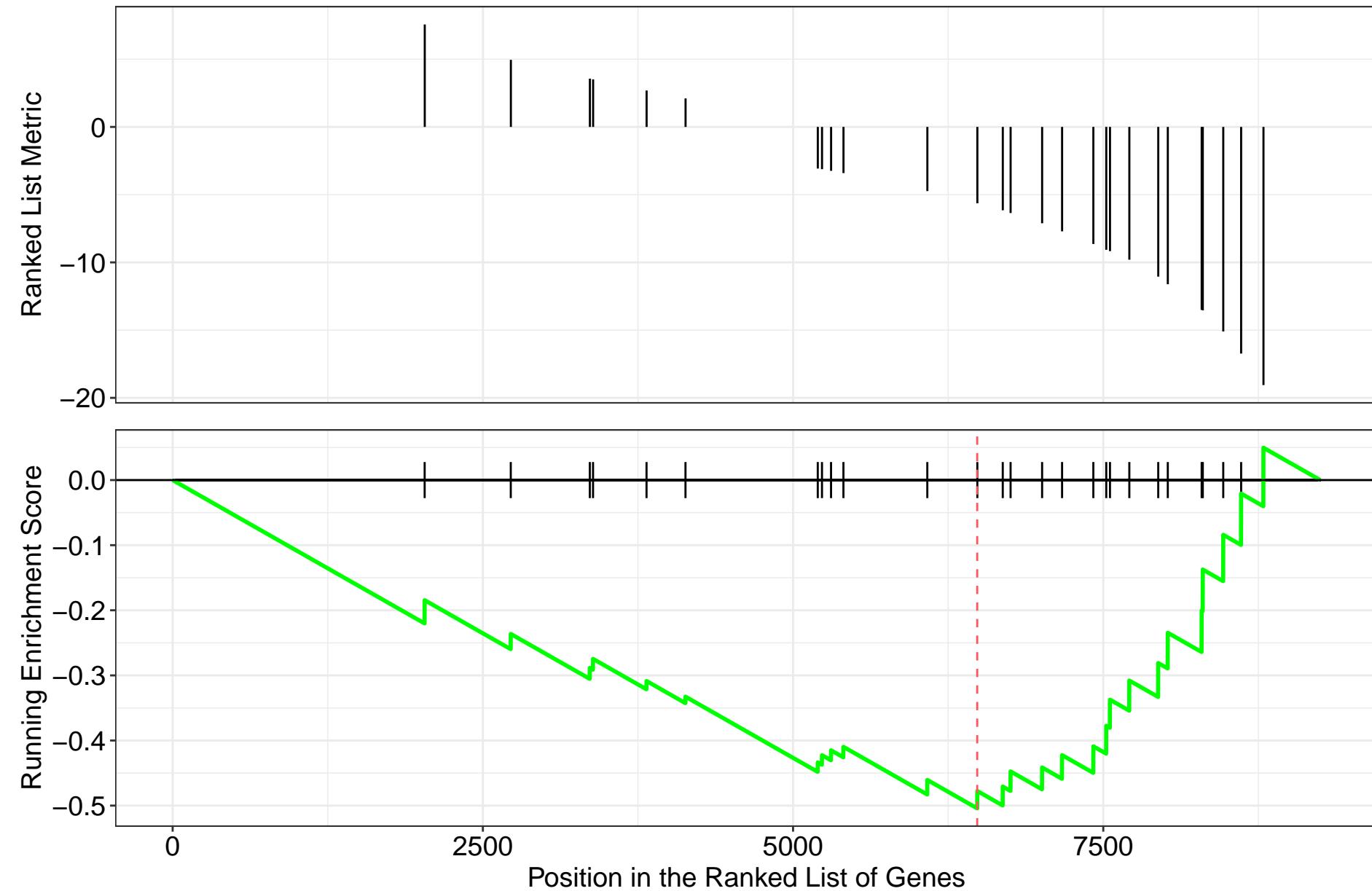
collagen biosynthetic process



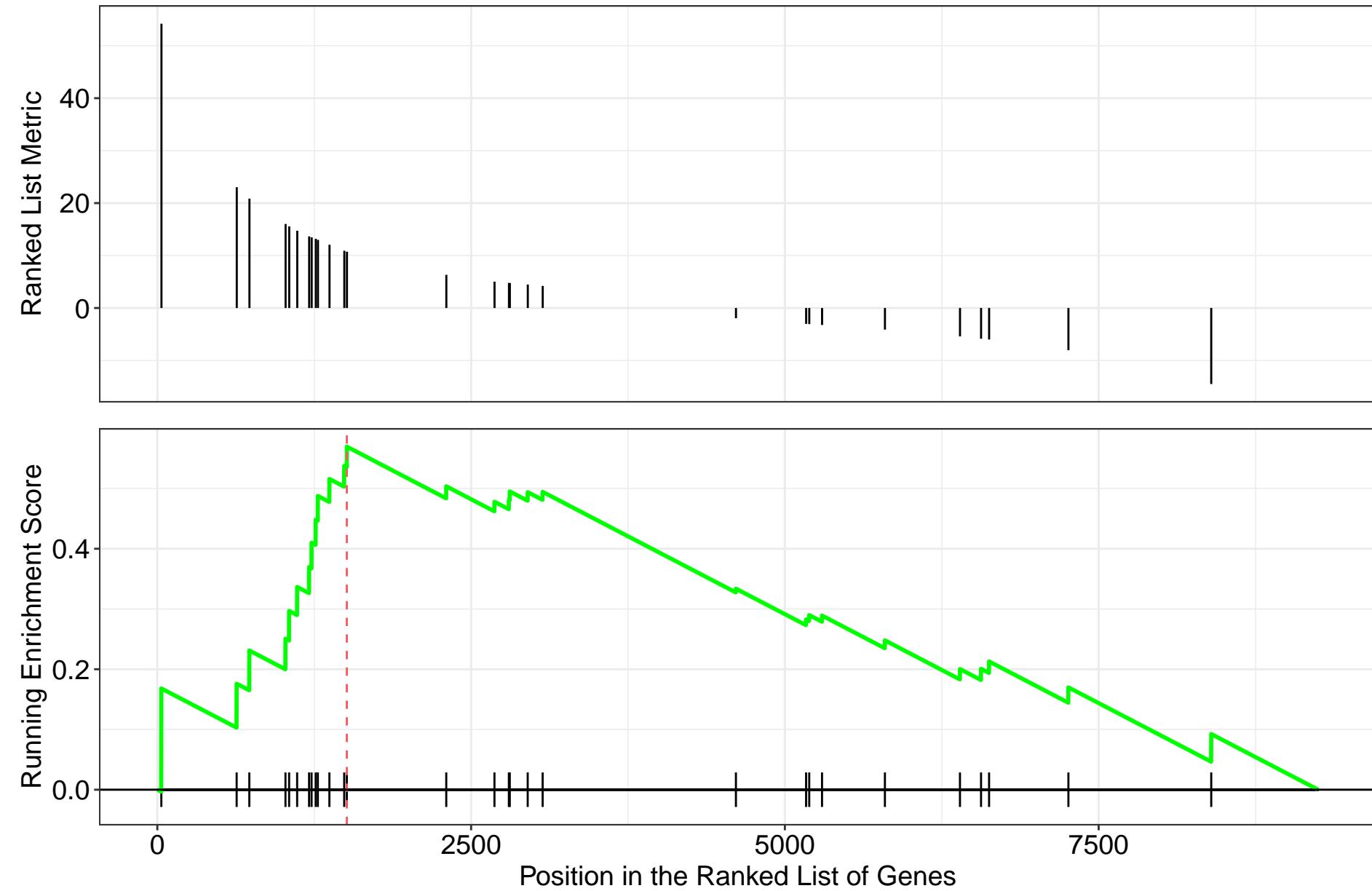
cholesterol biosynthetic process



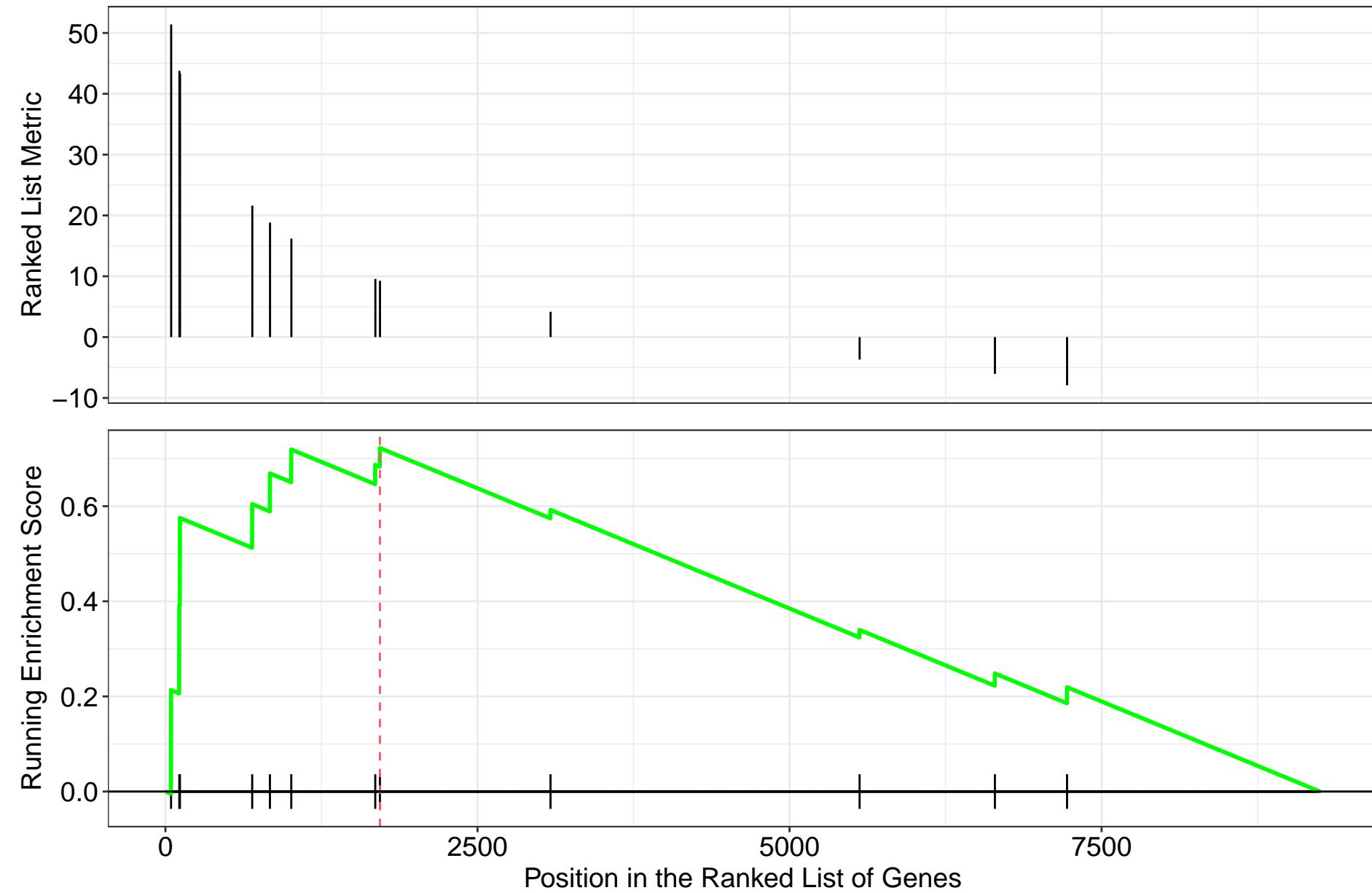
secondary alcohol biosynthetic process



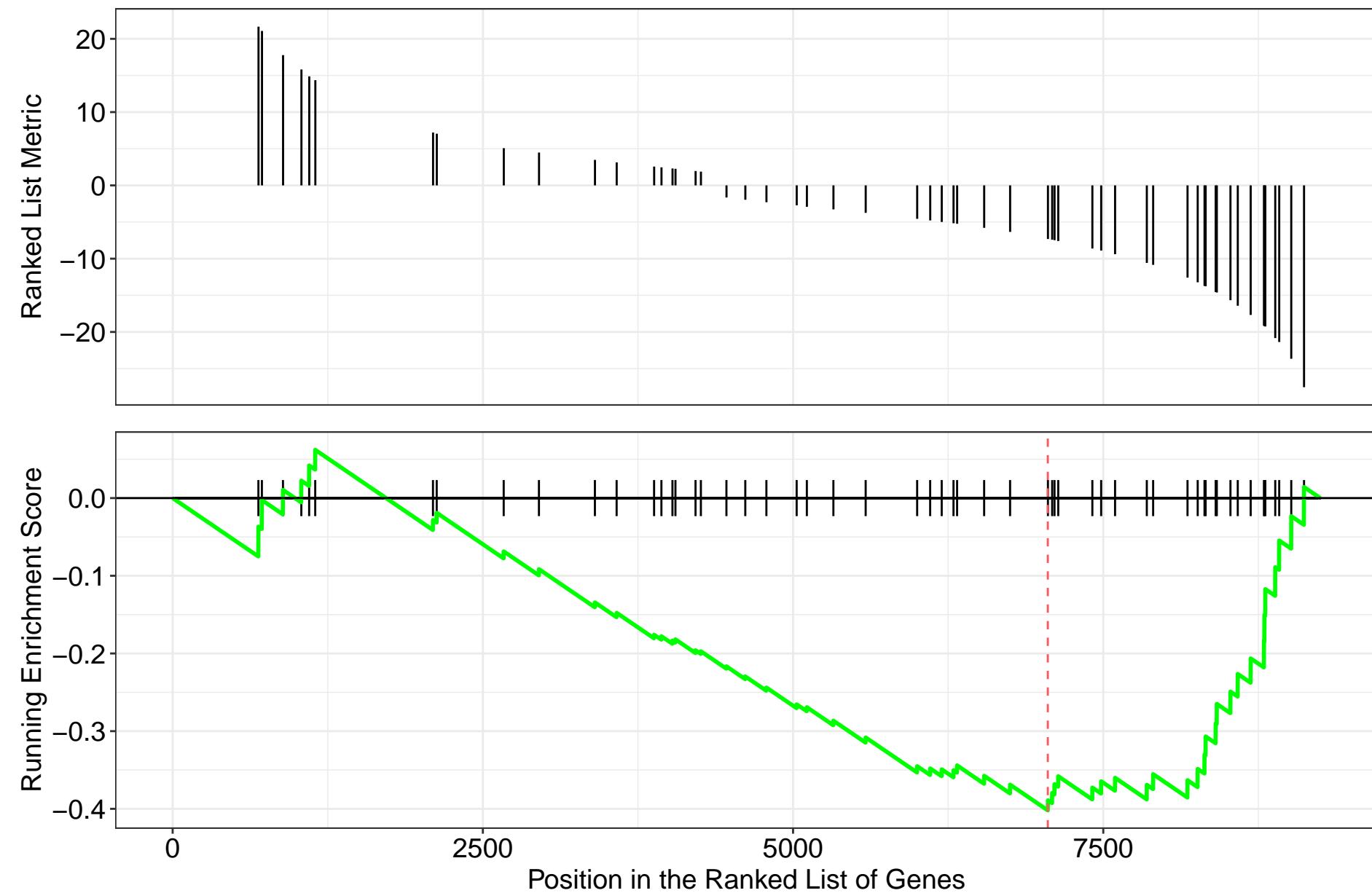
macrophage cytokine production



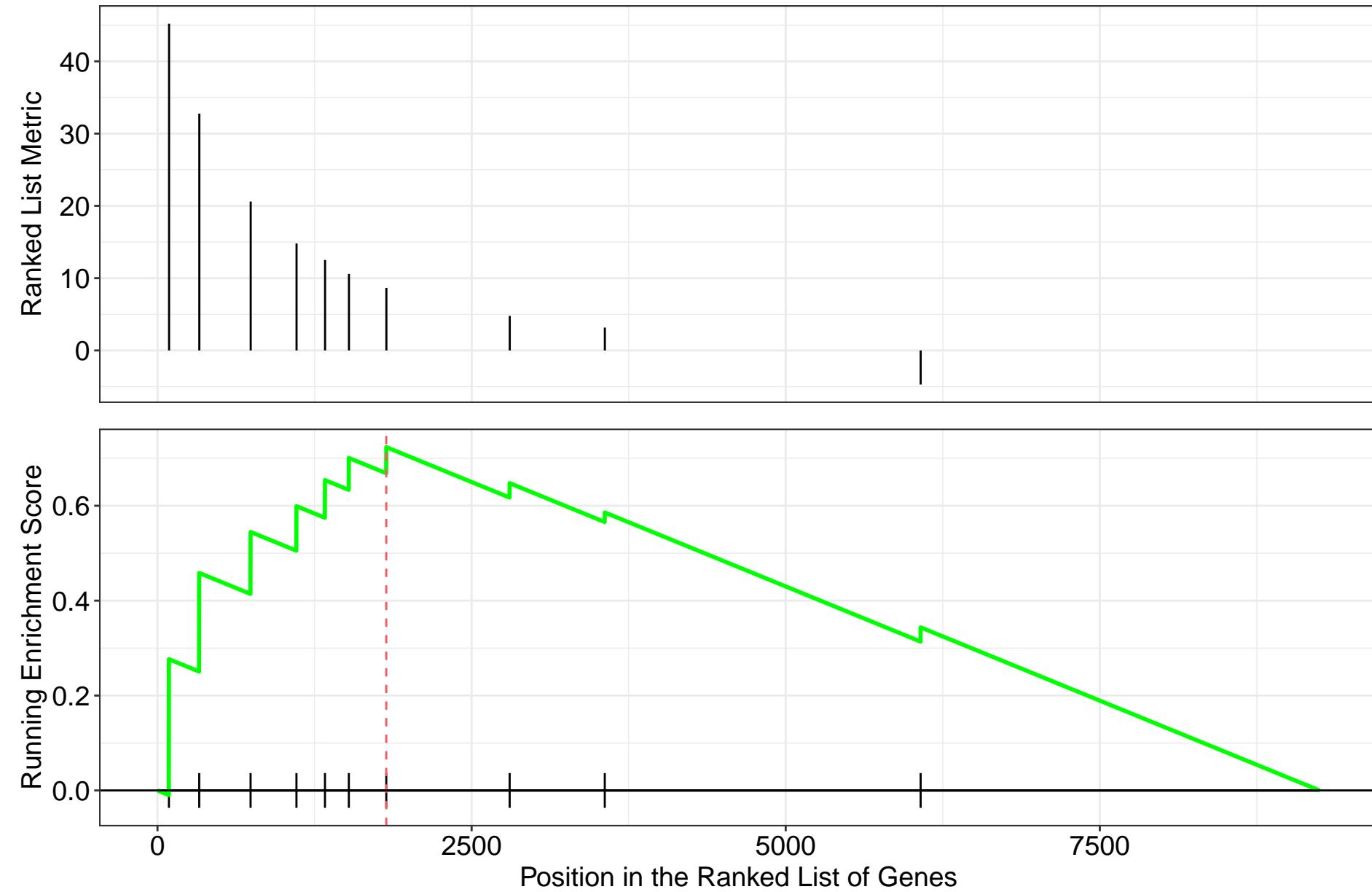
ribonucleoside monophosphate catabolic process



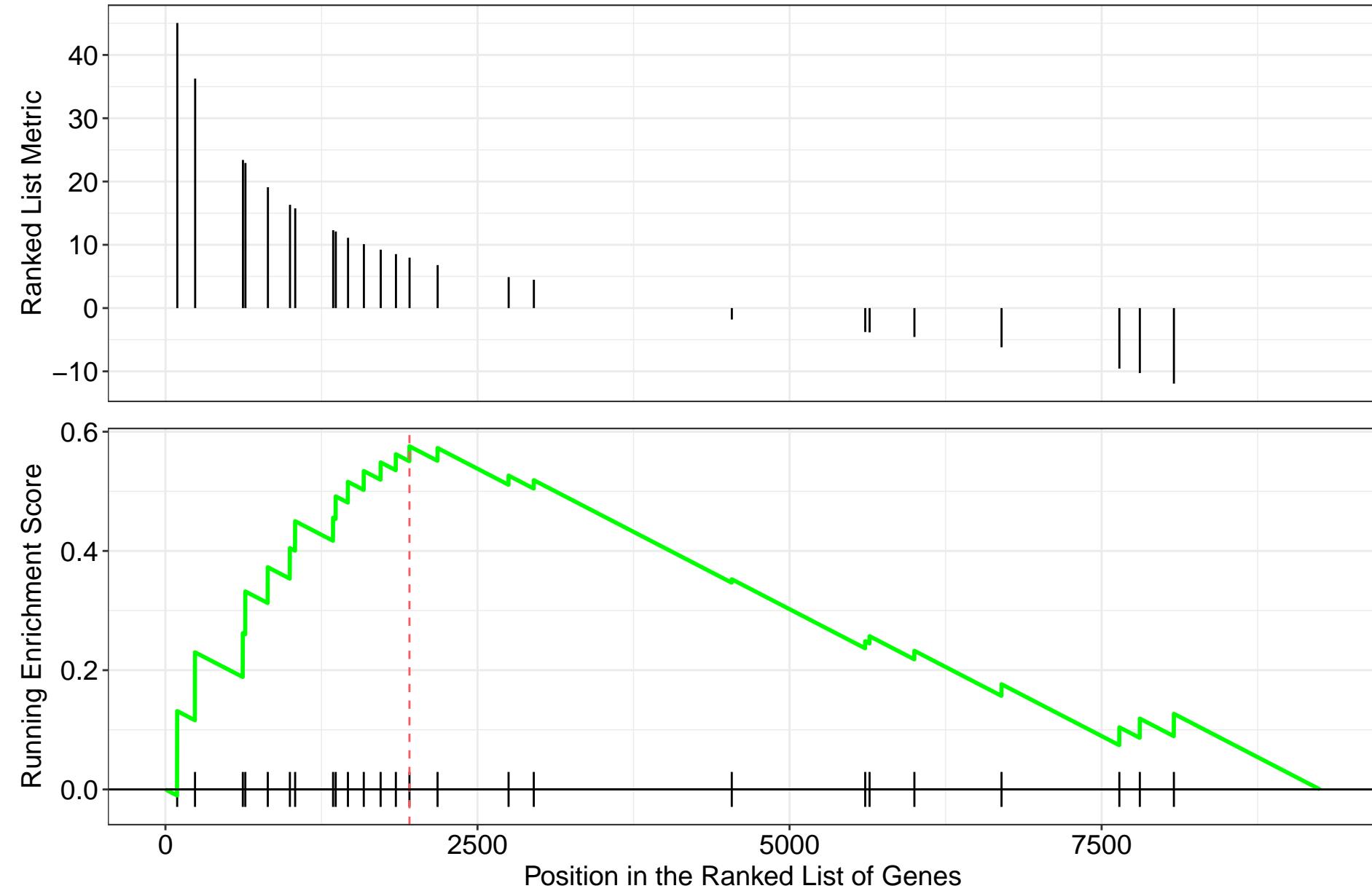
mitotic DNA integrity checkpoint signaling



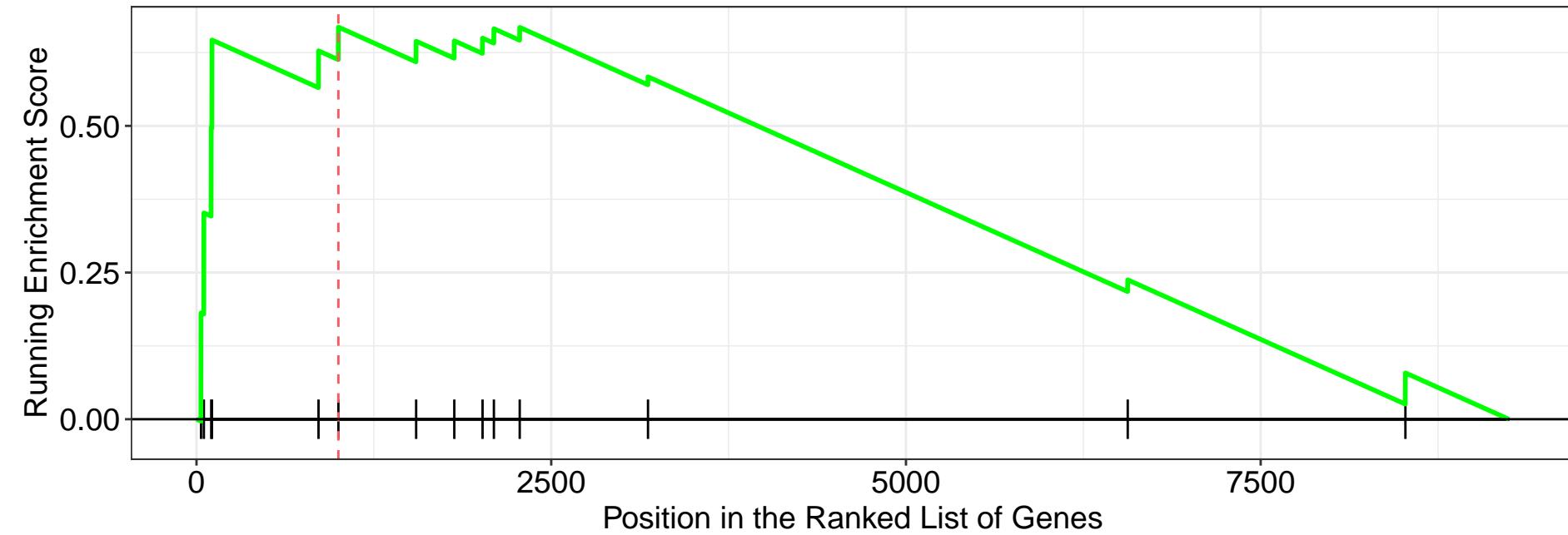
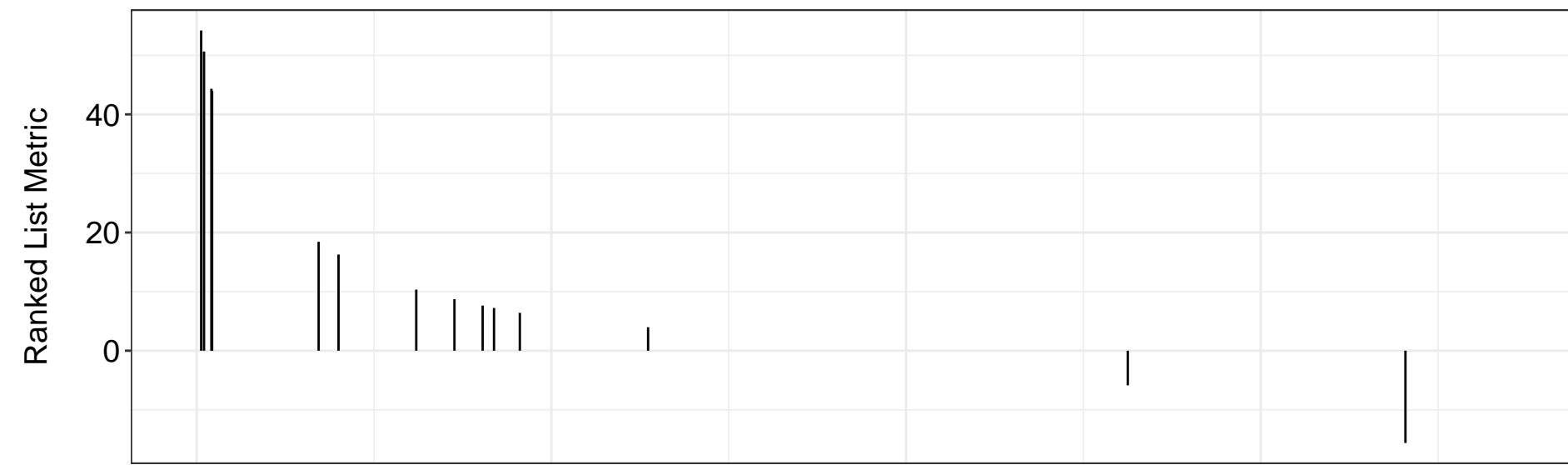
neutrophil apoptotic process



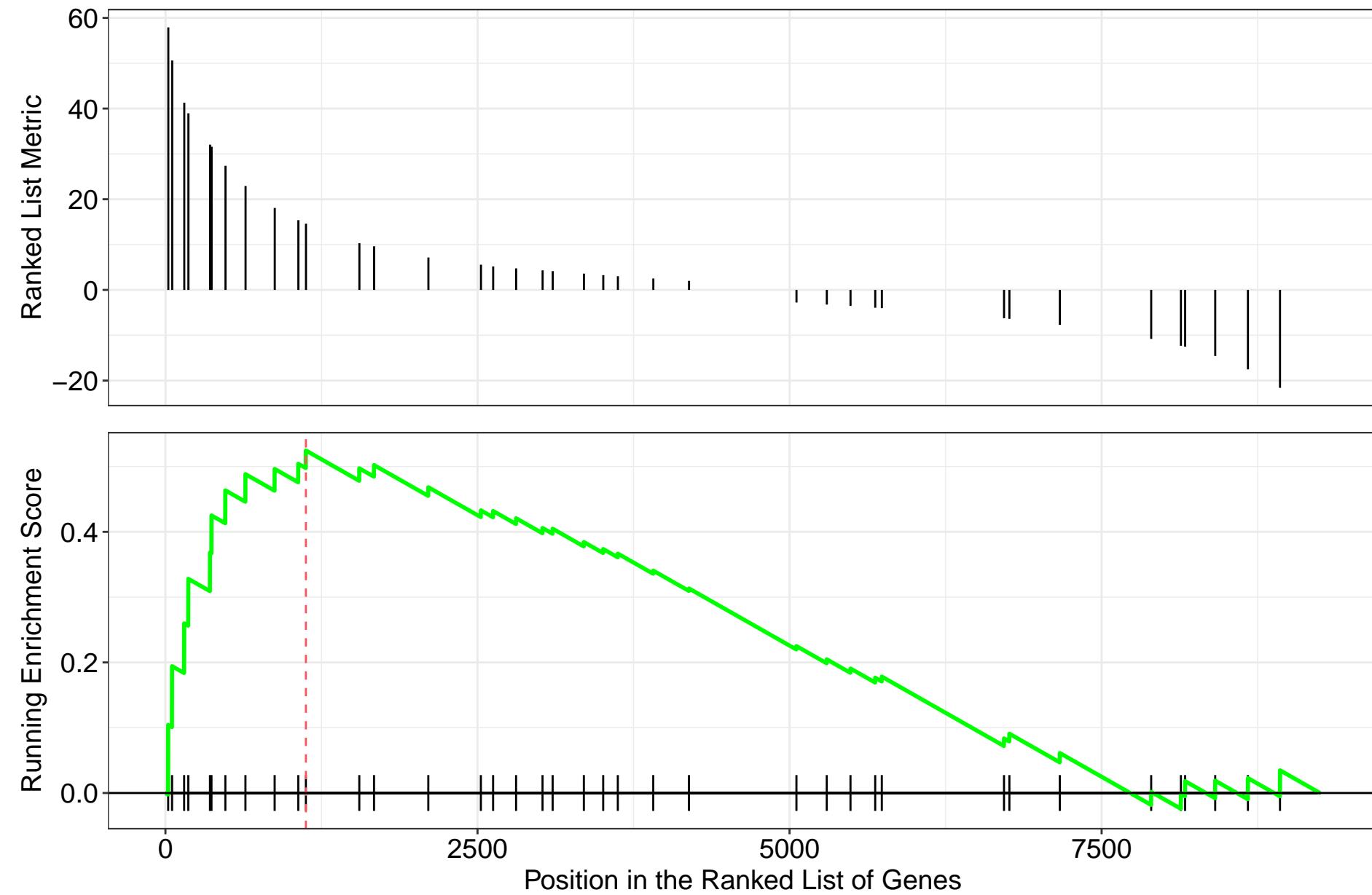
negative regulation of viral life cycle



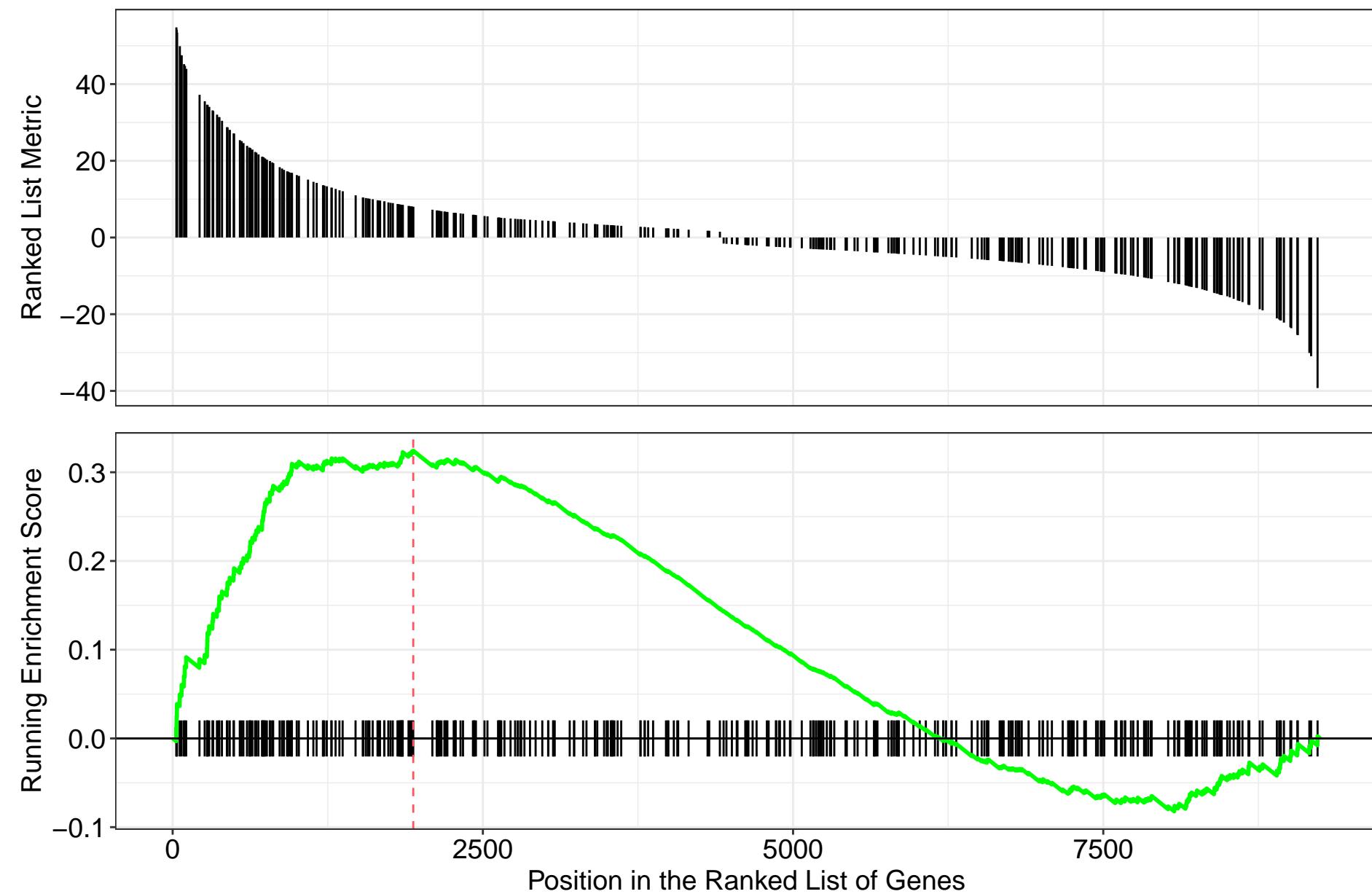
positive regulation of fatty acid transport



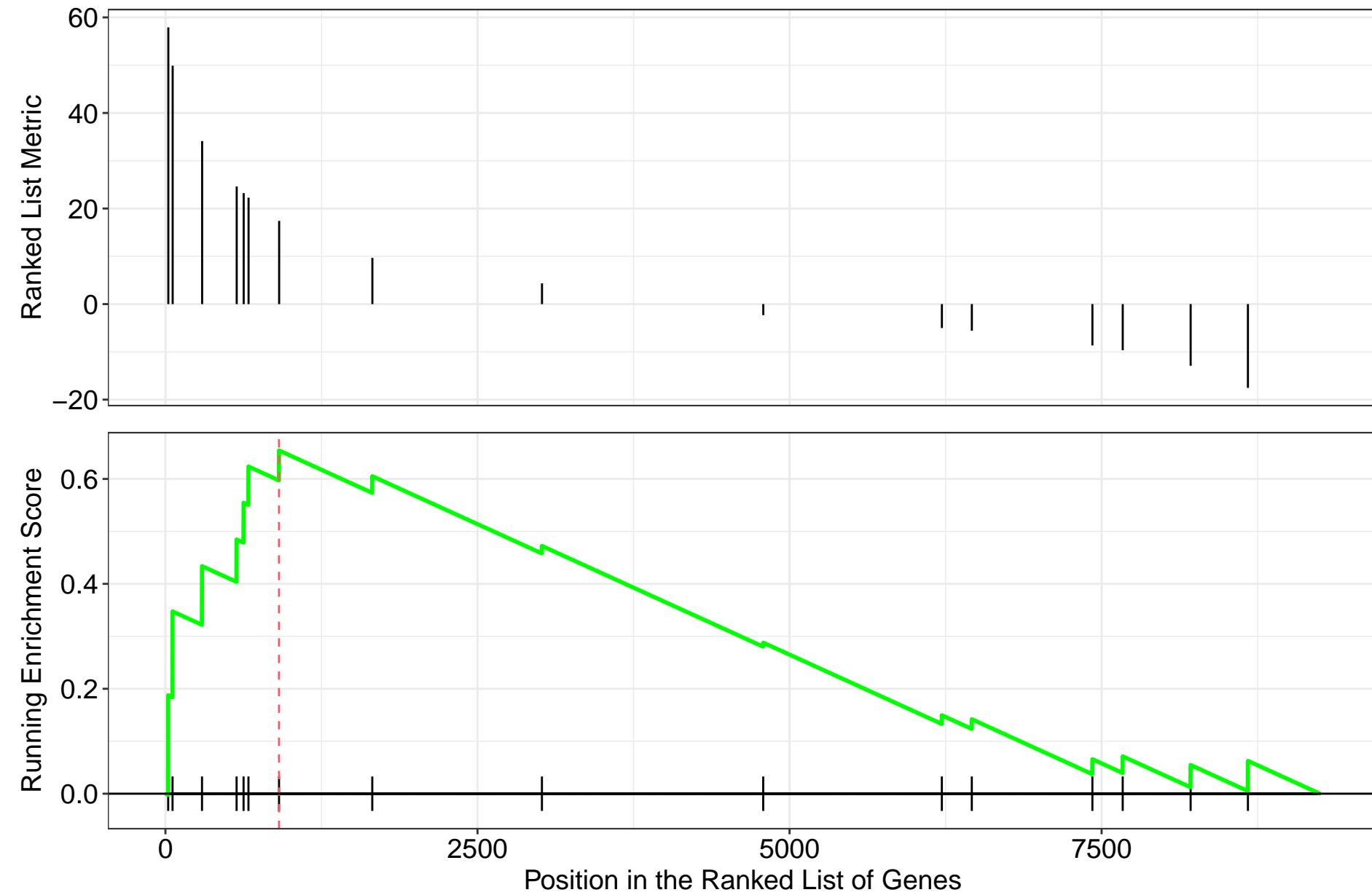
regulation of lymphocyte migration



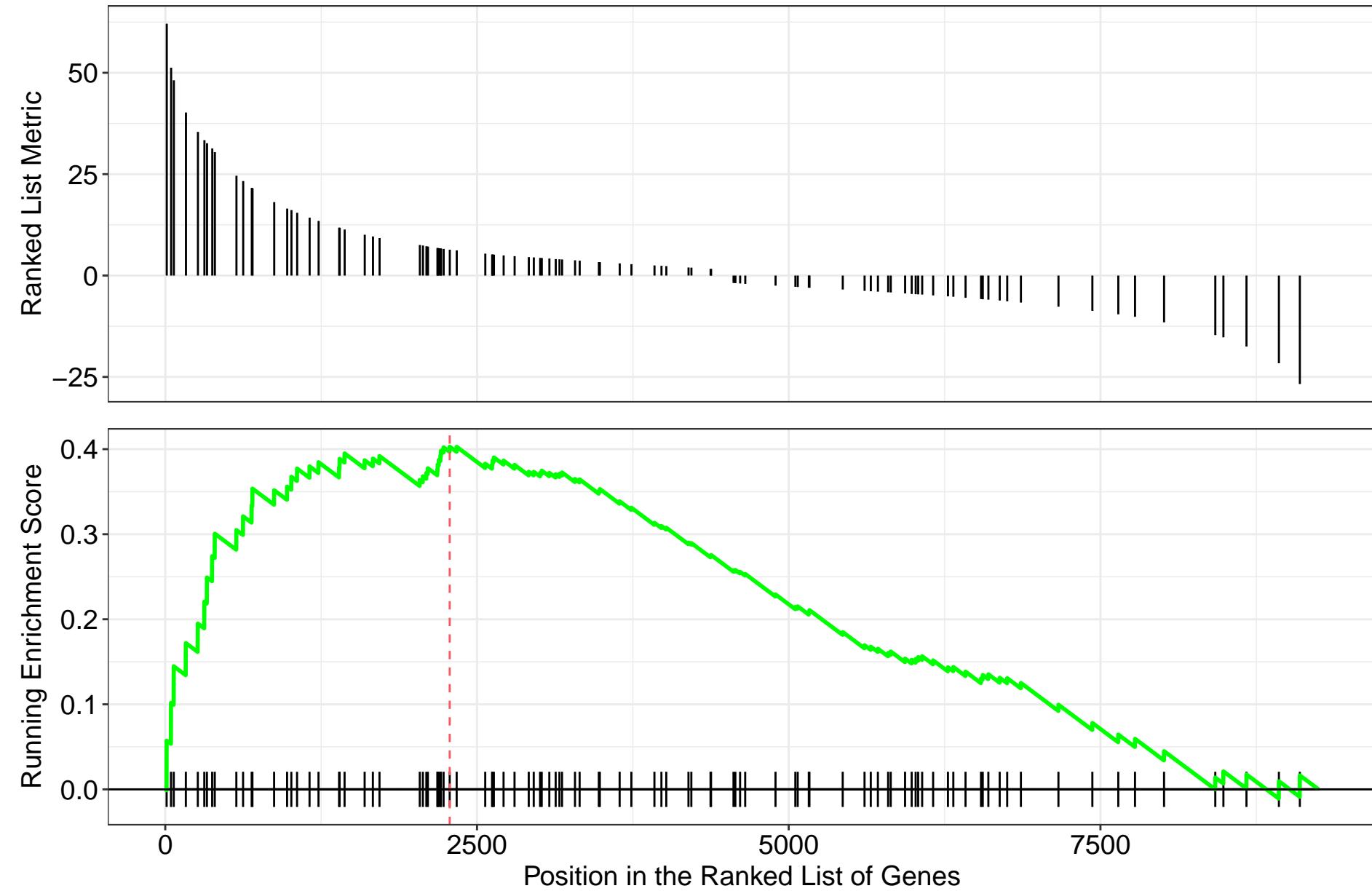
regulation of protein kinase activity



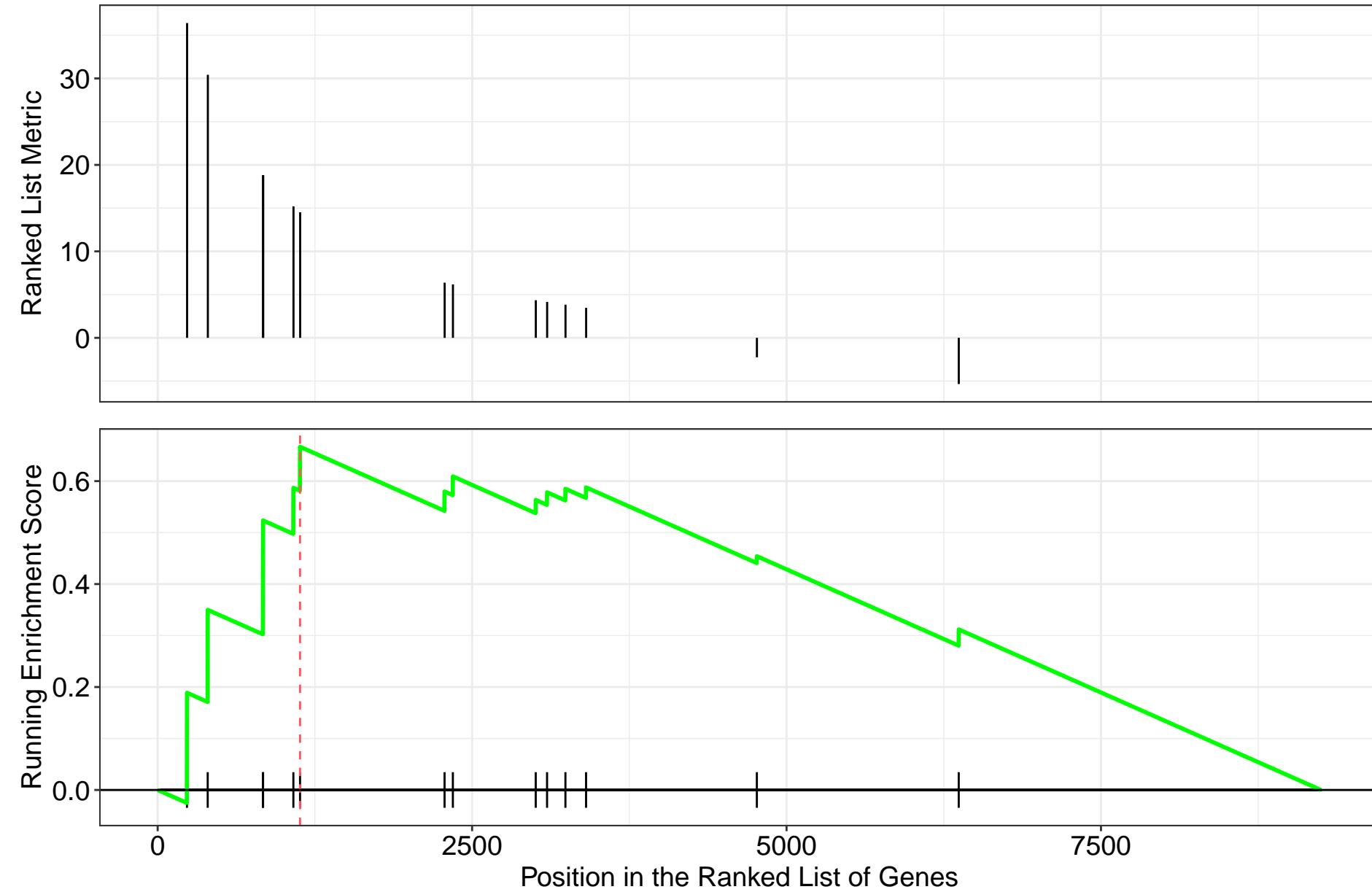
positive regulation of osteoclast differentiation



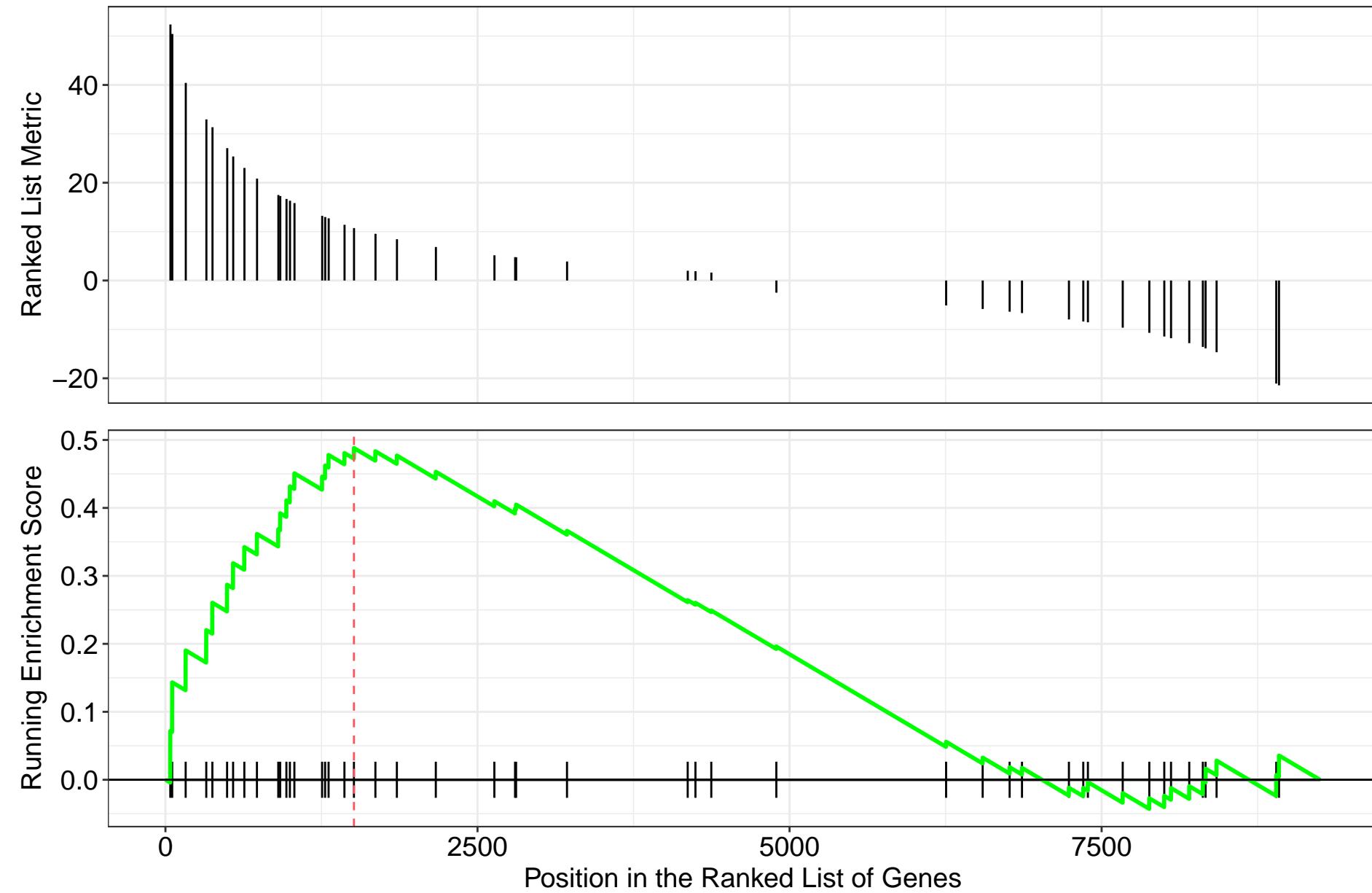
positive regulation of protein–containing complex assembly



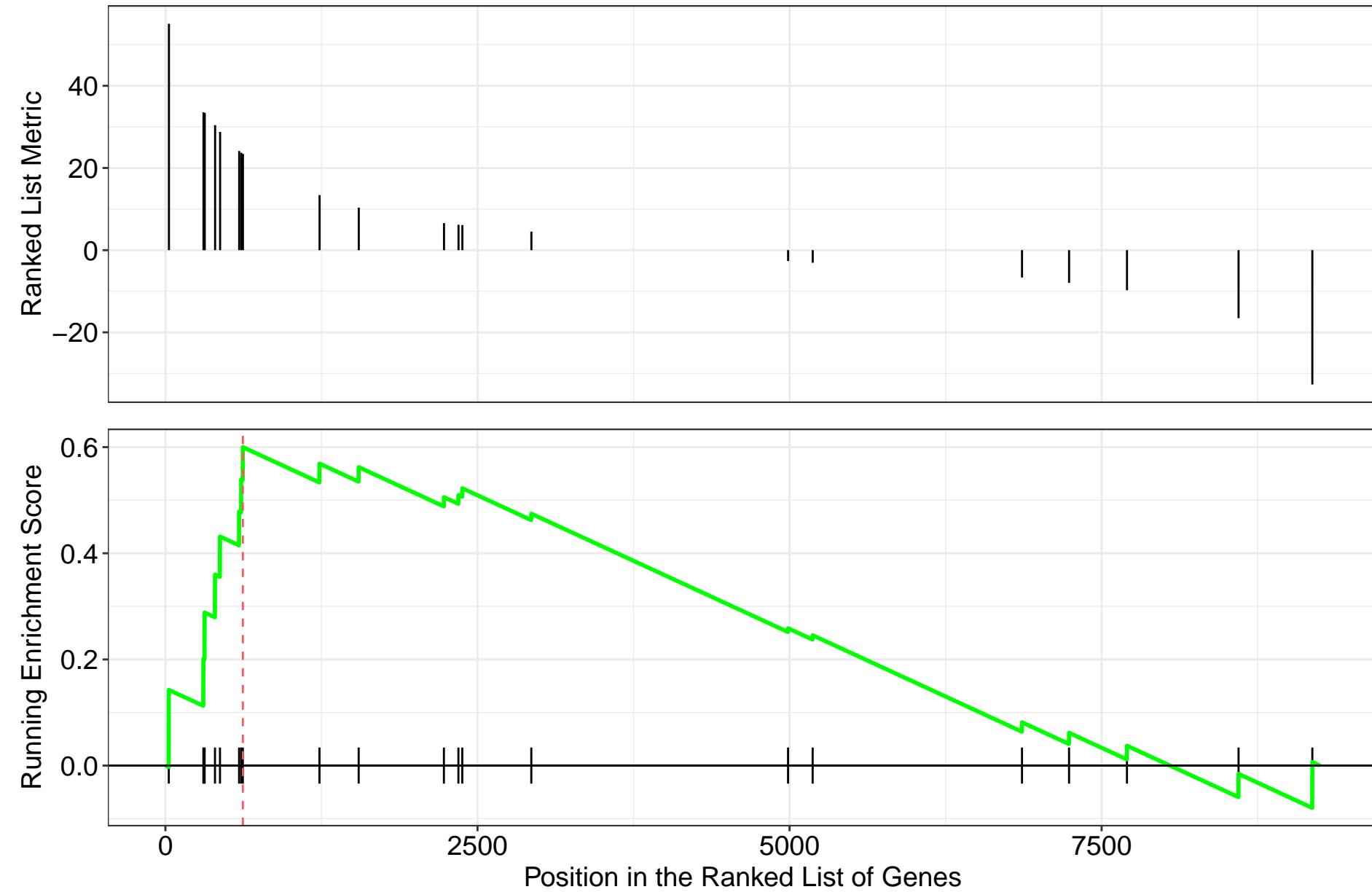
positive regulation of B cell differentiation



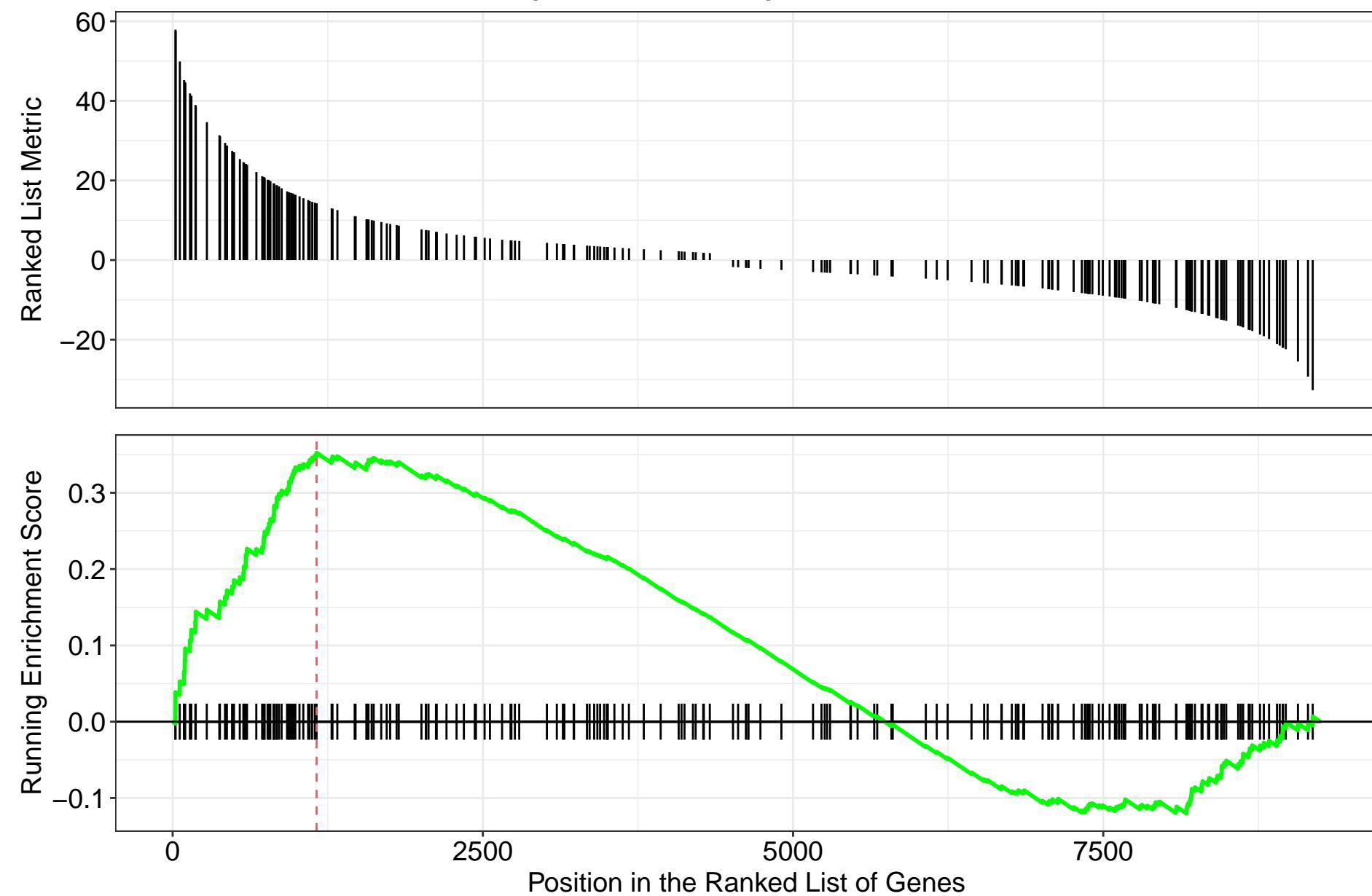
regulation of toll-like receptor signaling pathway



ovulation cycle process



epithelial cell proliferation



mitotic sister chromatid cohesion

