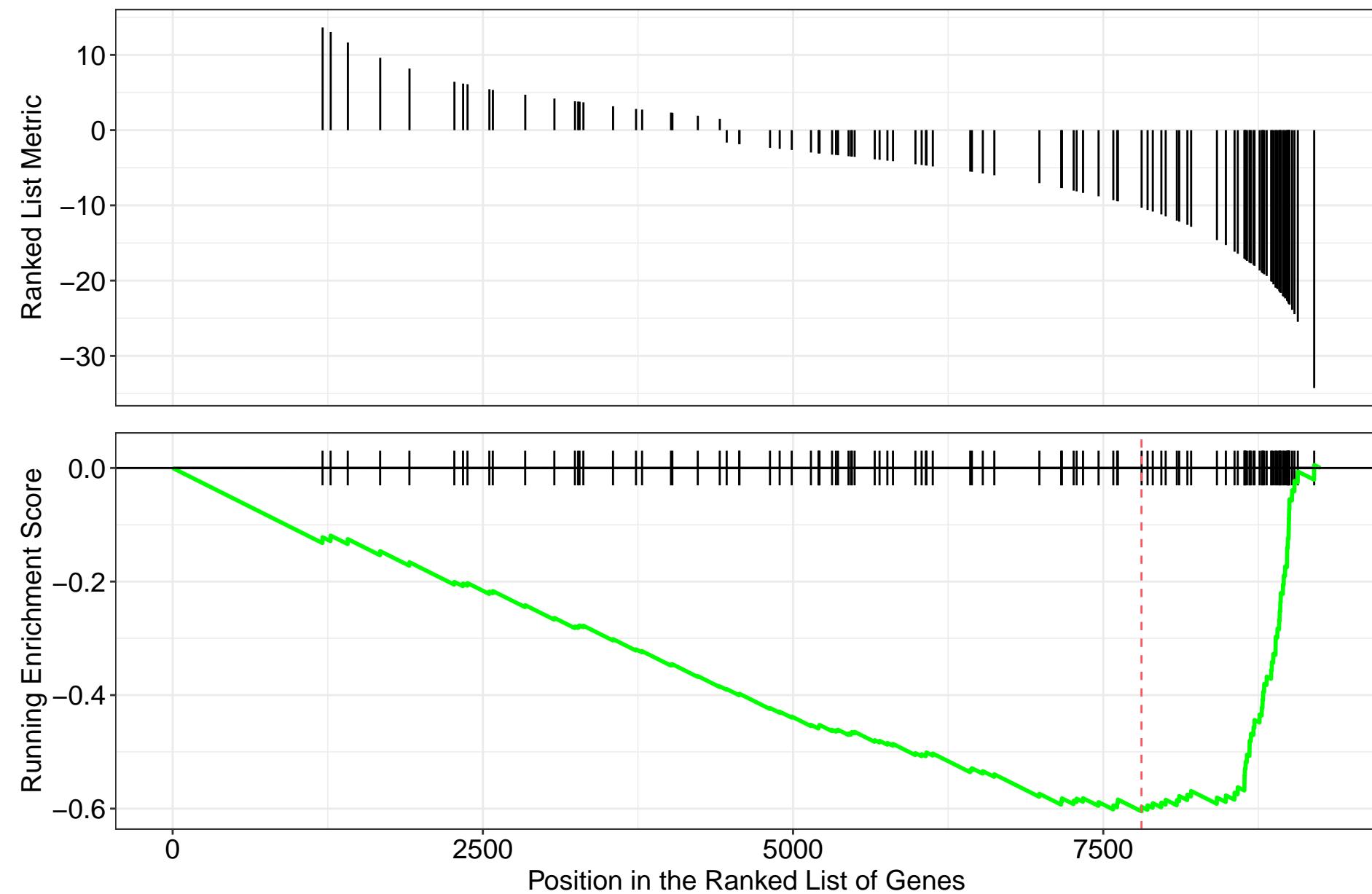
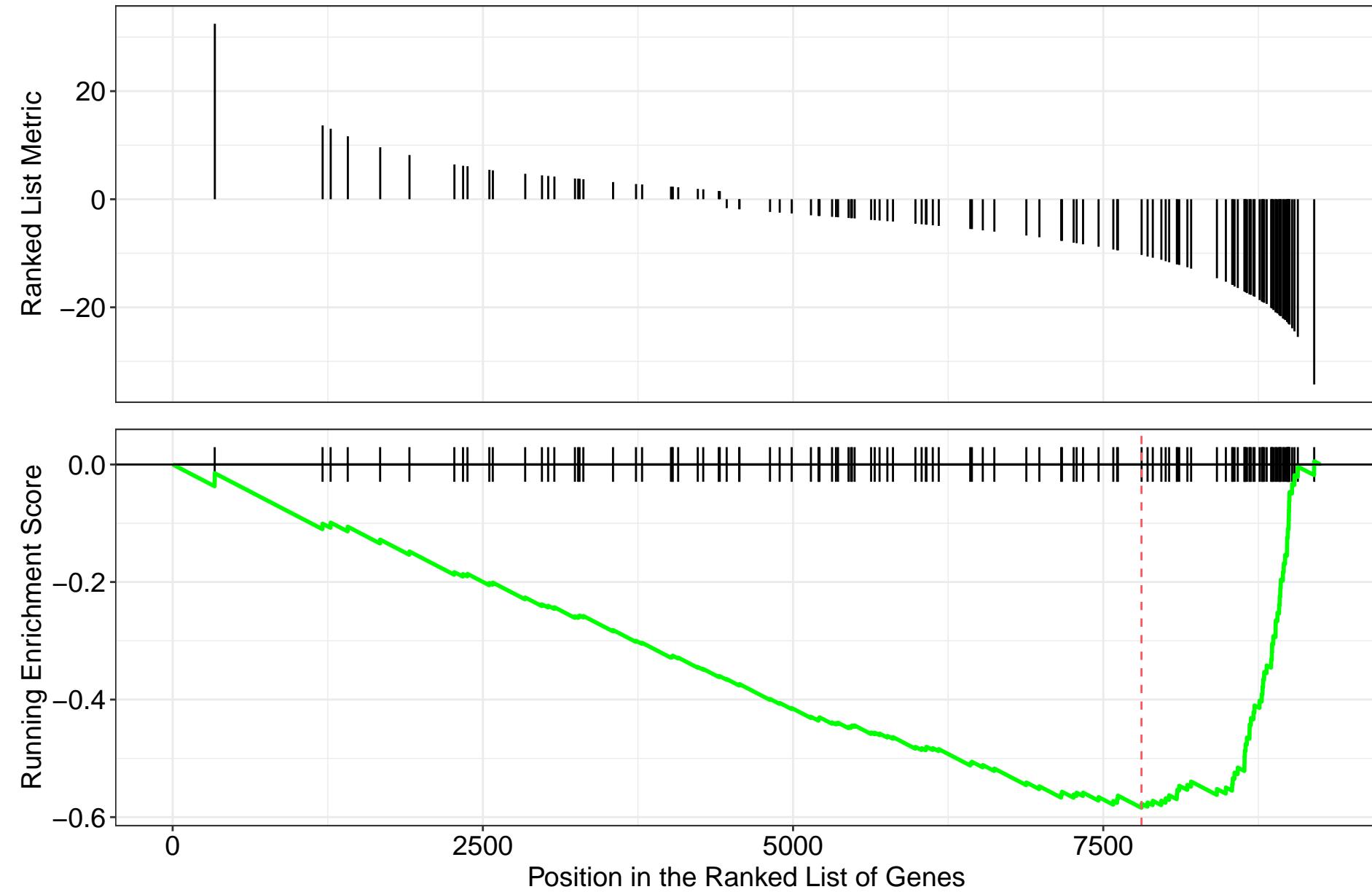


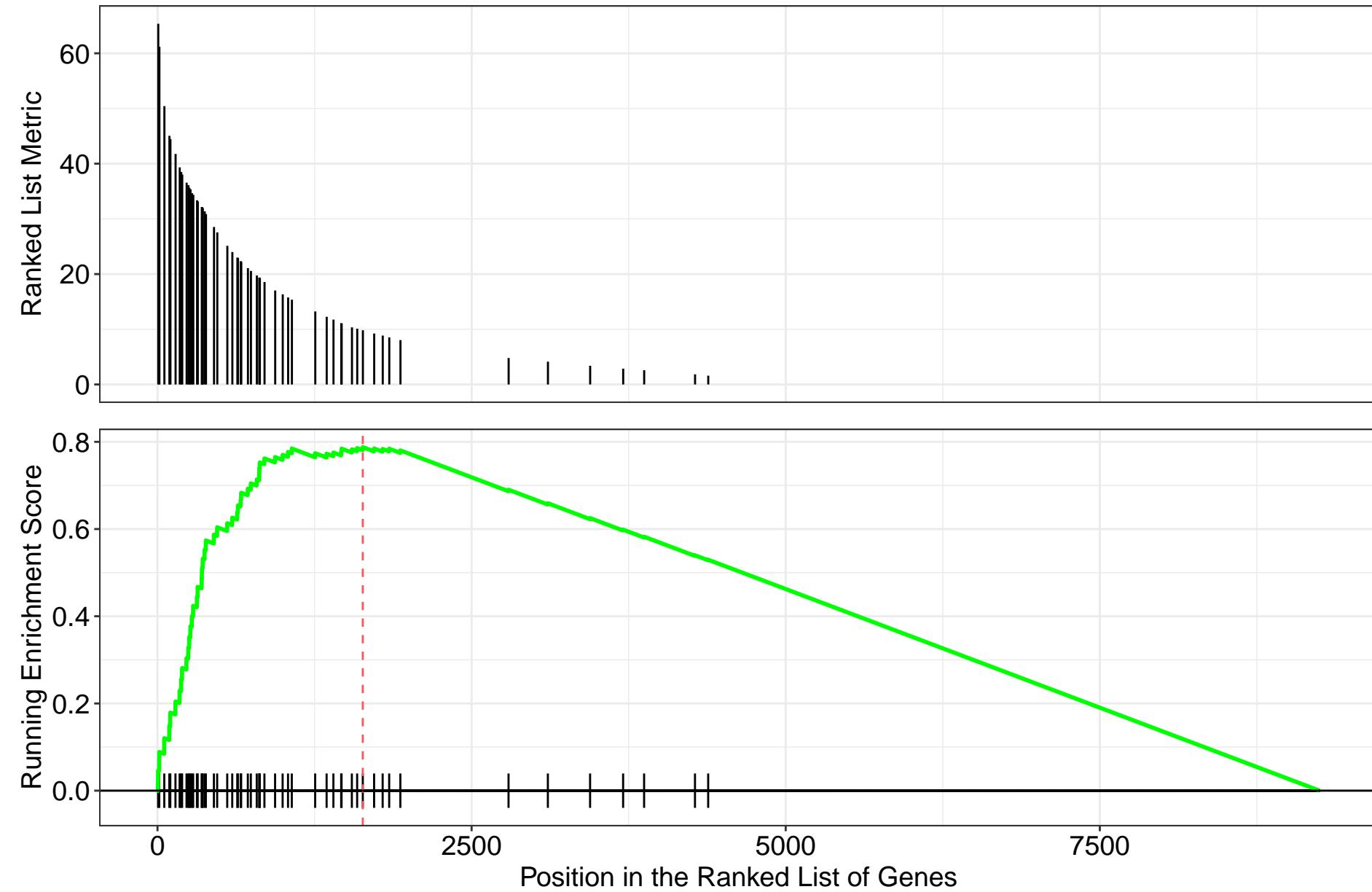
mitotic sister chromatid segregation



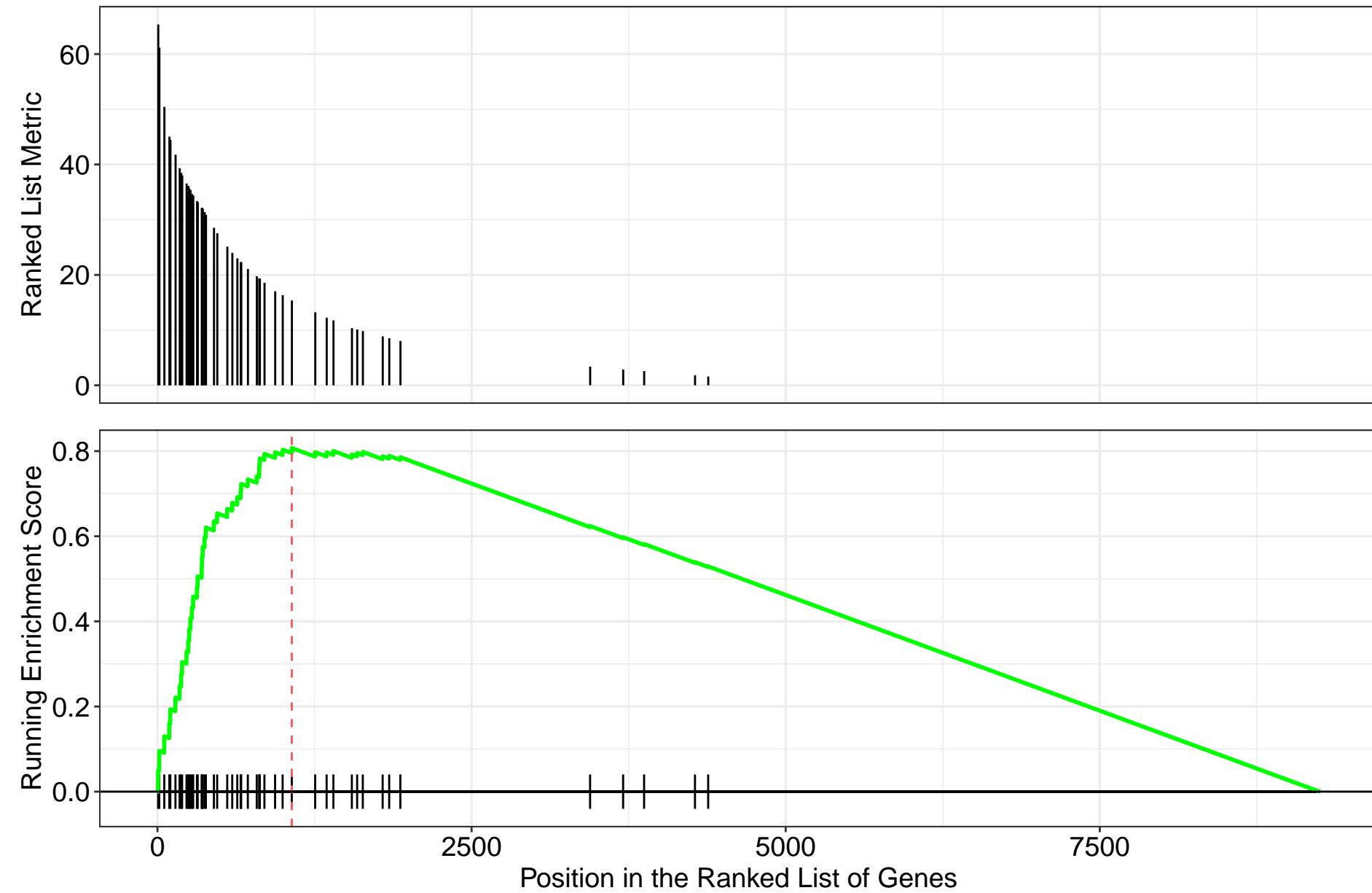
sister chromatid segregation



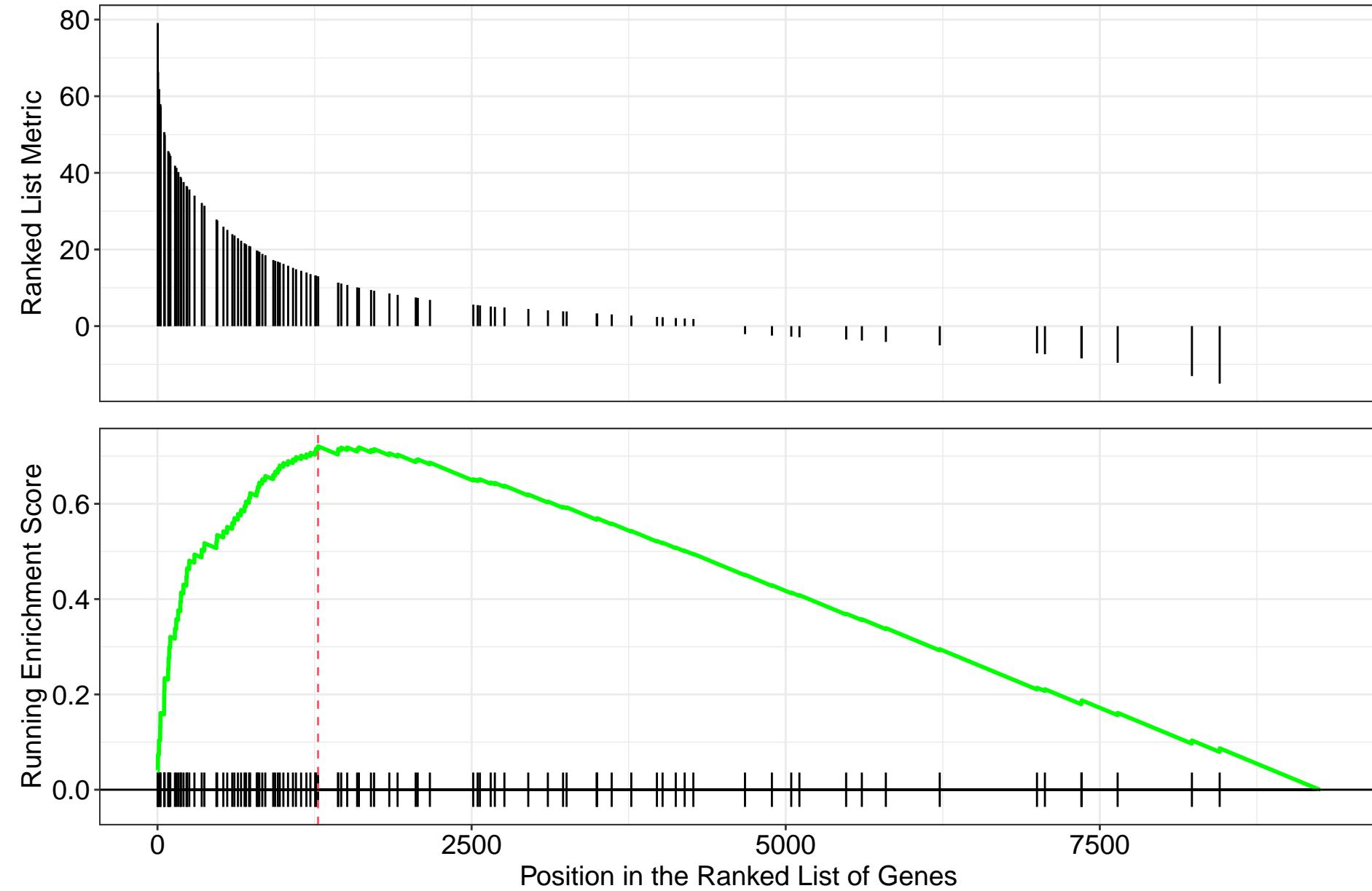
response to interferon–beta



cellular response to interferon–beta

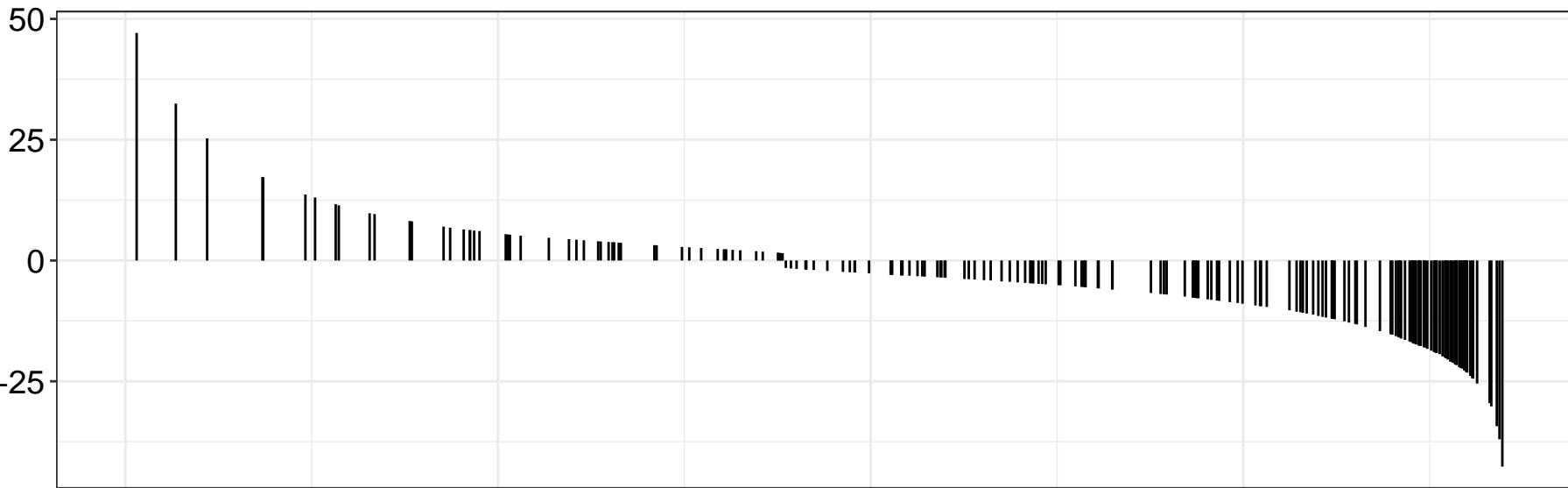


response to interferon–gamma



chromosome segregation

Ranked List Metric



Running Enrichment Score

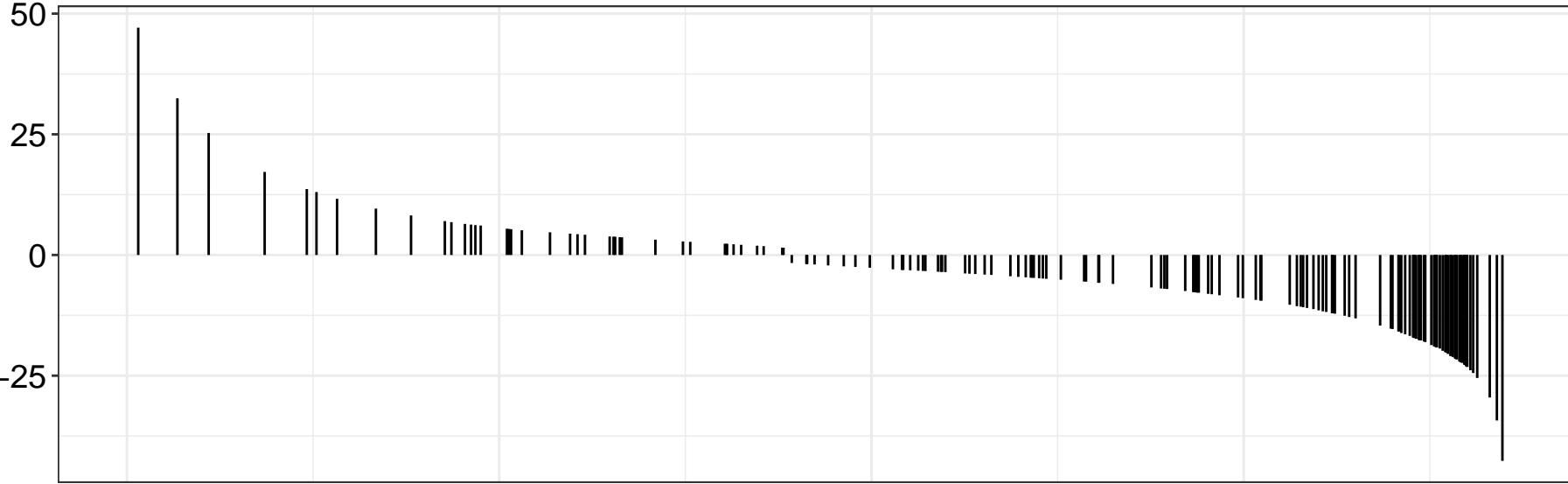
0 2500 5000 7500

Position in the Ranked List of Genes



nuclear chromosome segregation

Ranked List Metric



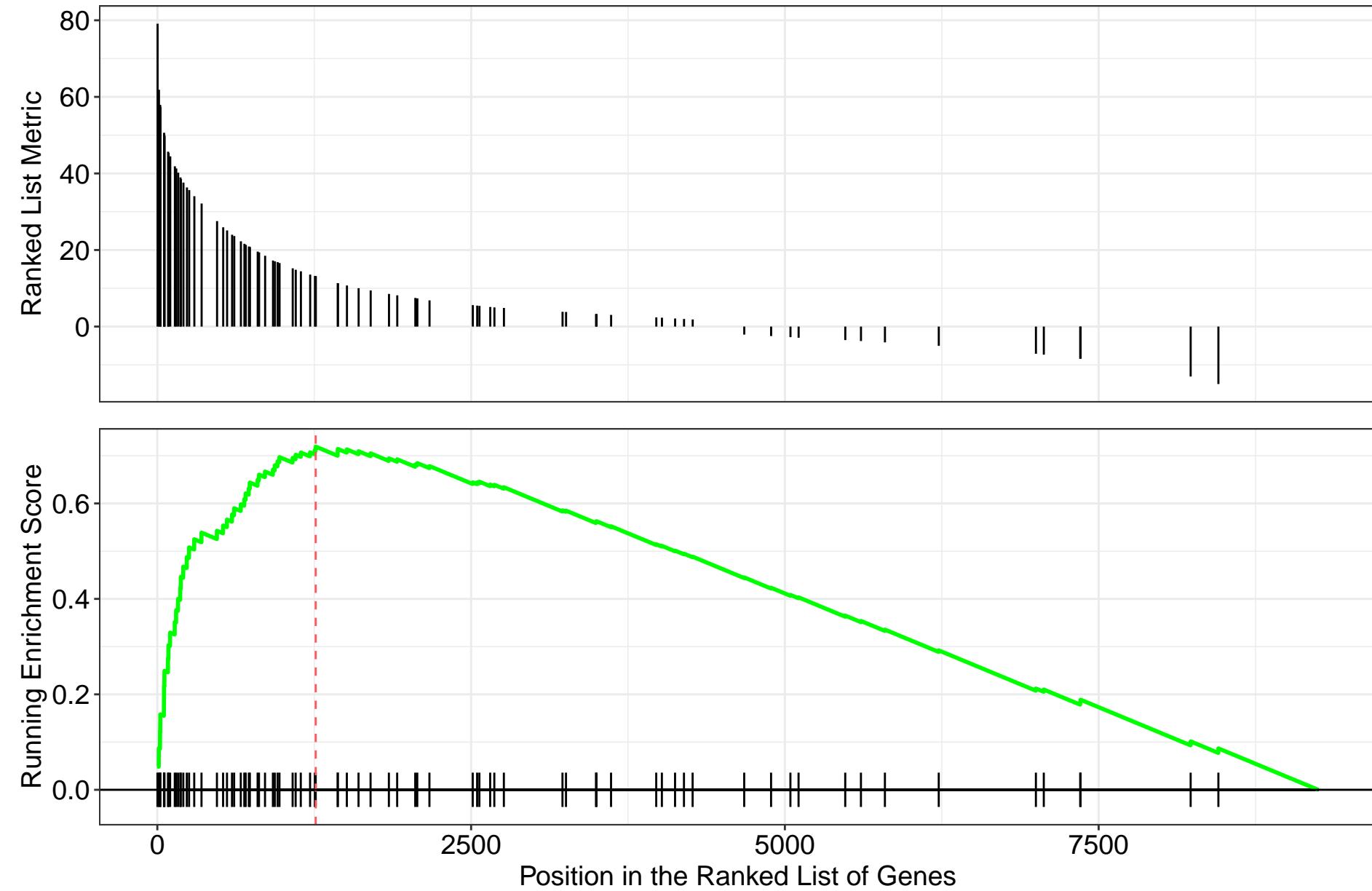
Running Enrichment Score

0 2500 5000 7500

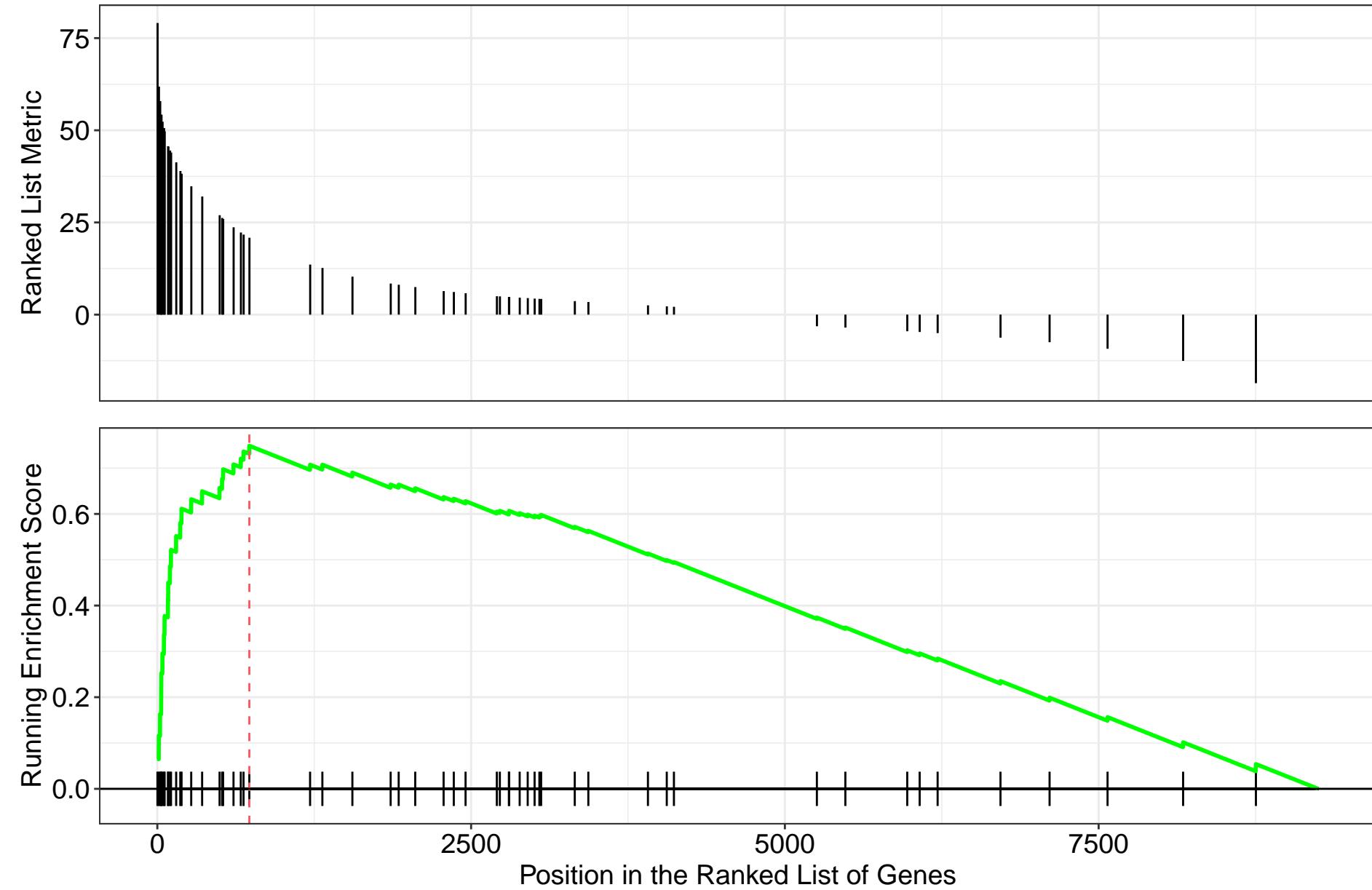
Position in the Ranked List of Genes



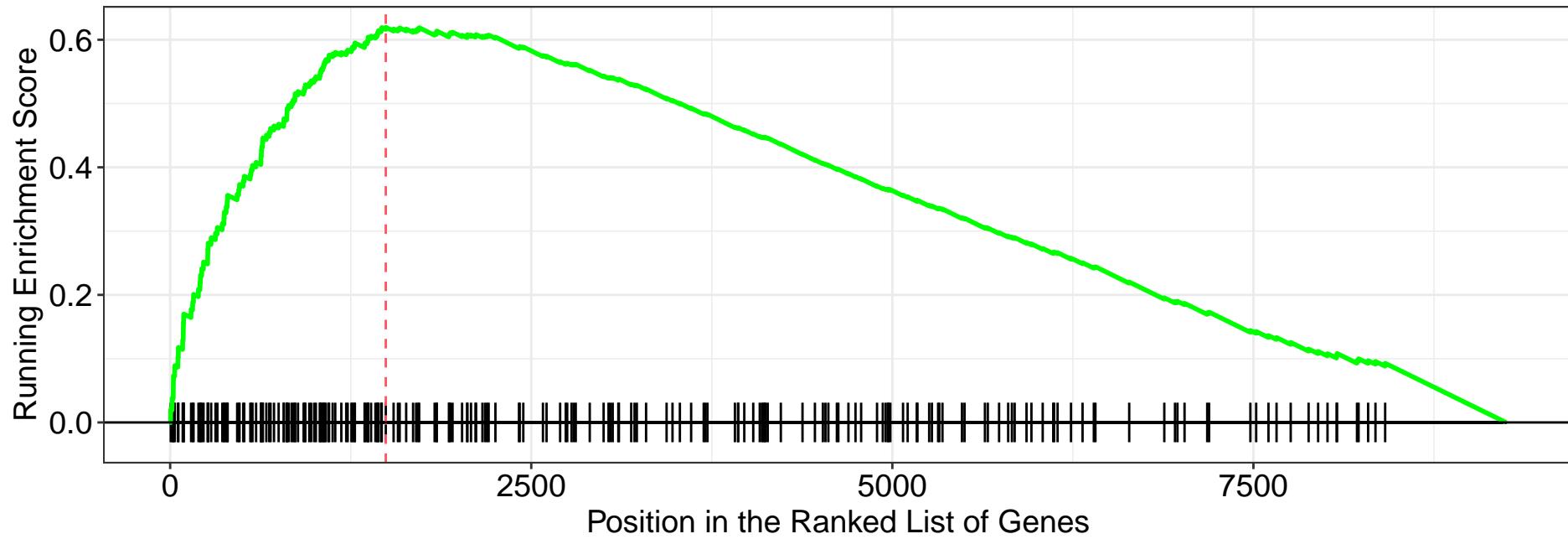
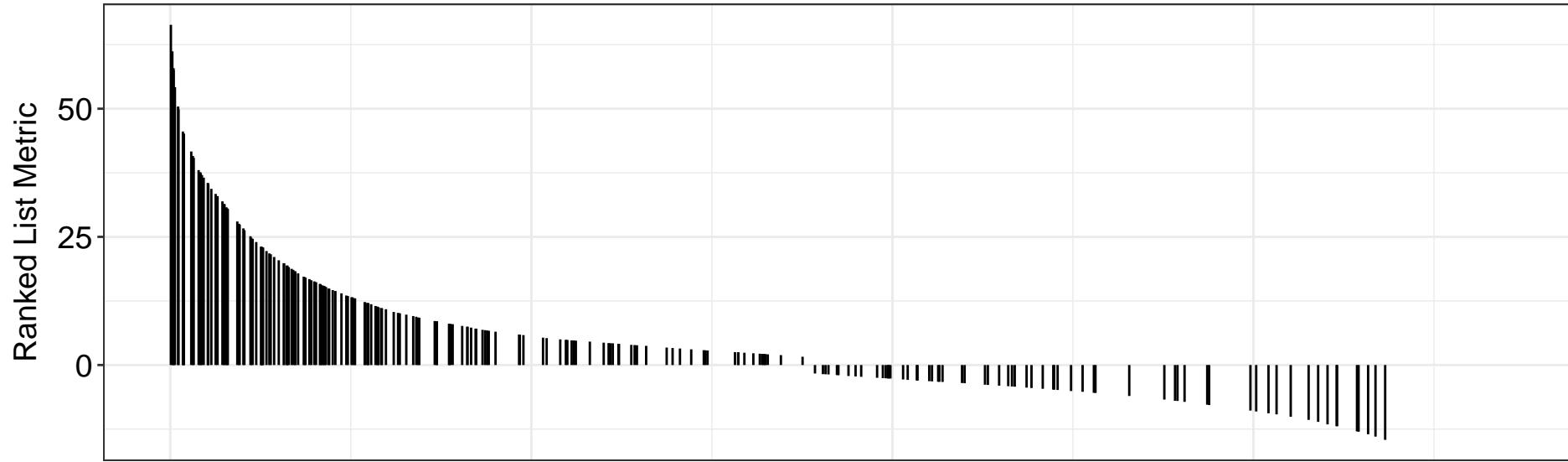
cellular response to interferon-gamma



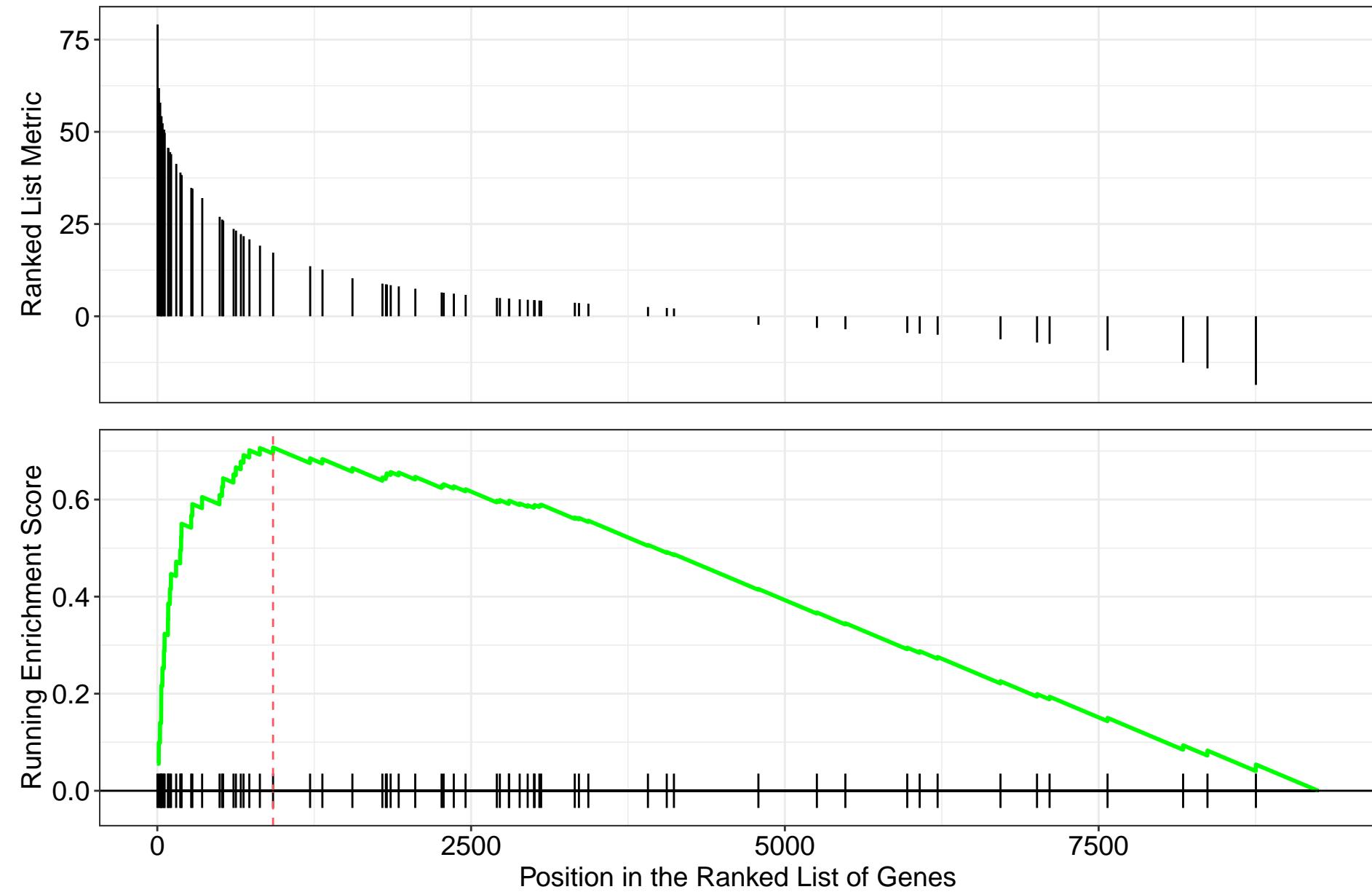
neutrophil chemotaxis



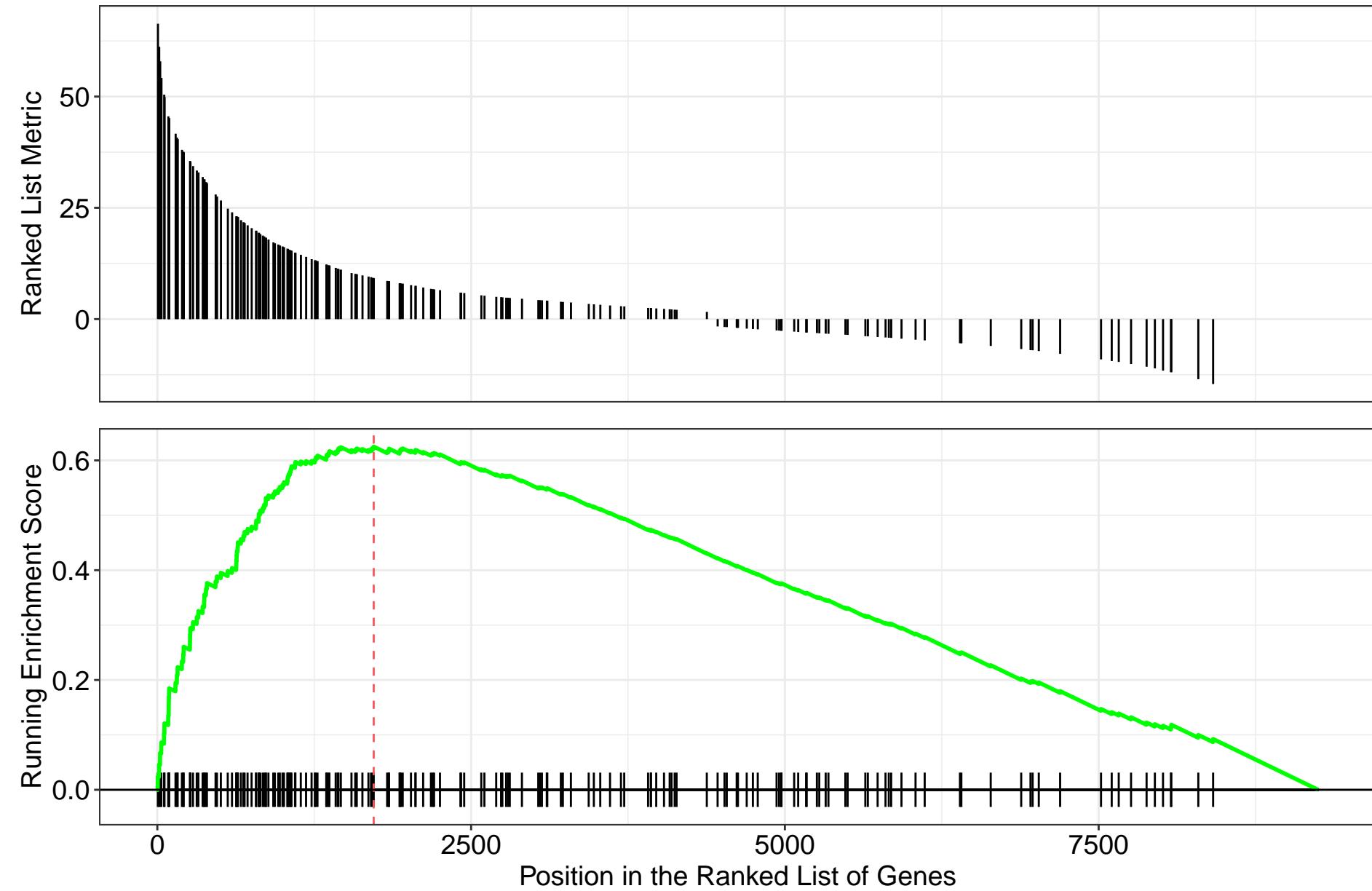
response to virus



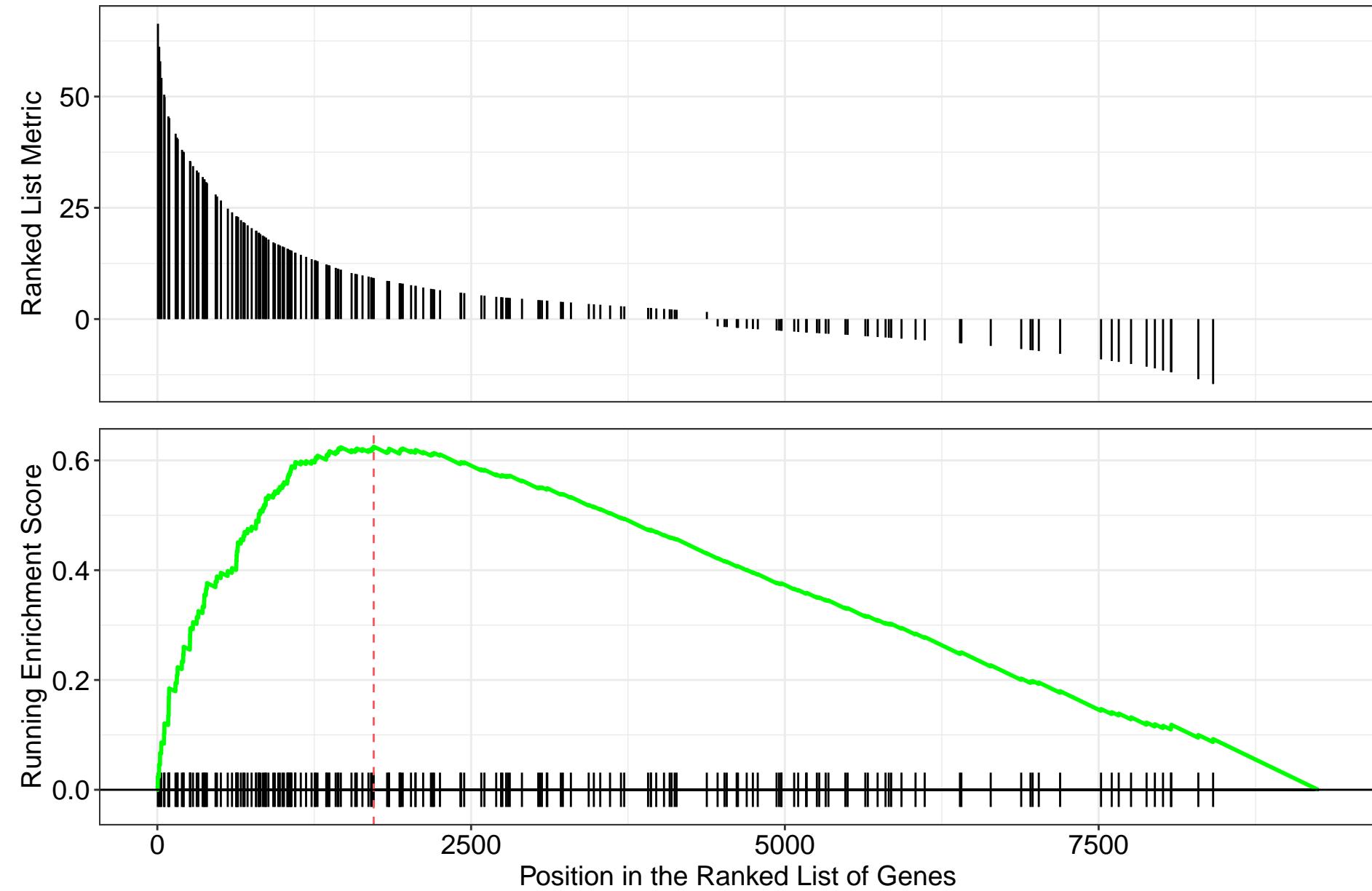
granulocyte chemotaxis



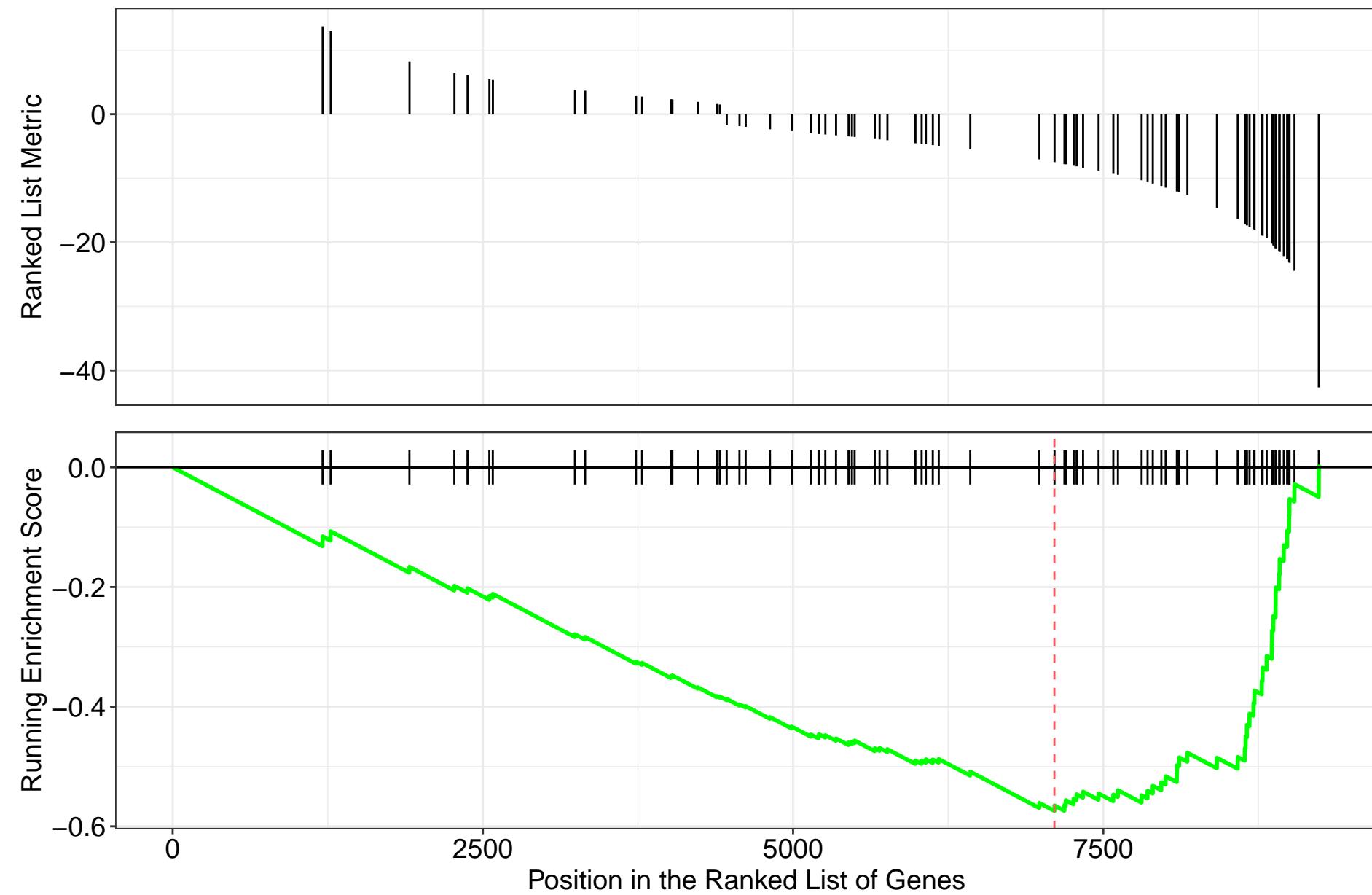
defense response to virus



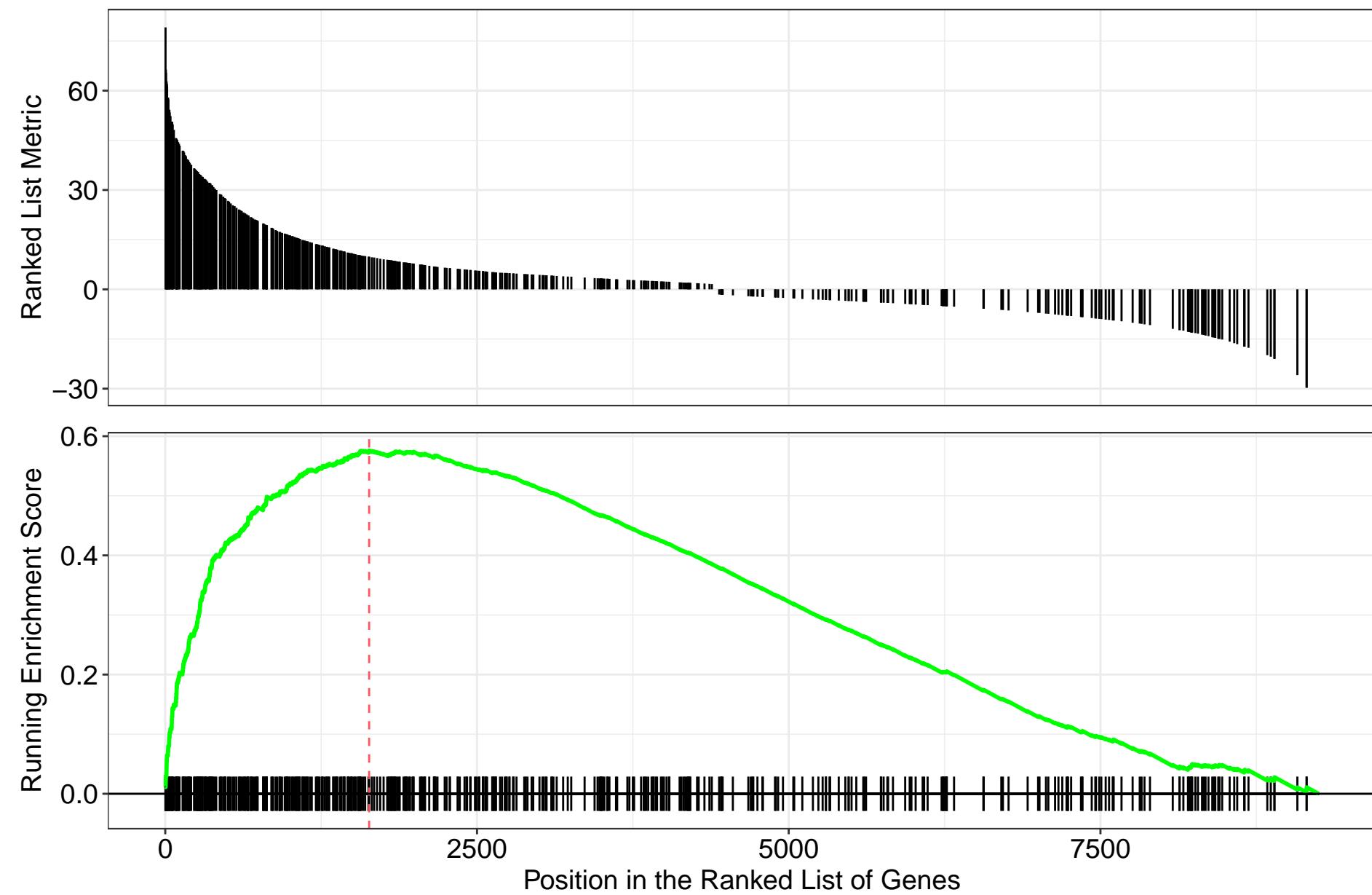
defense response to symbiont



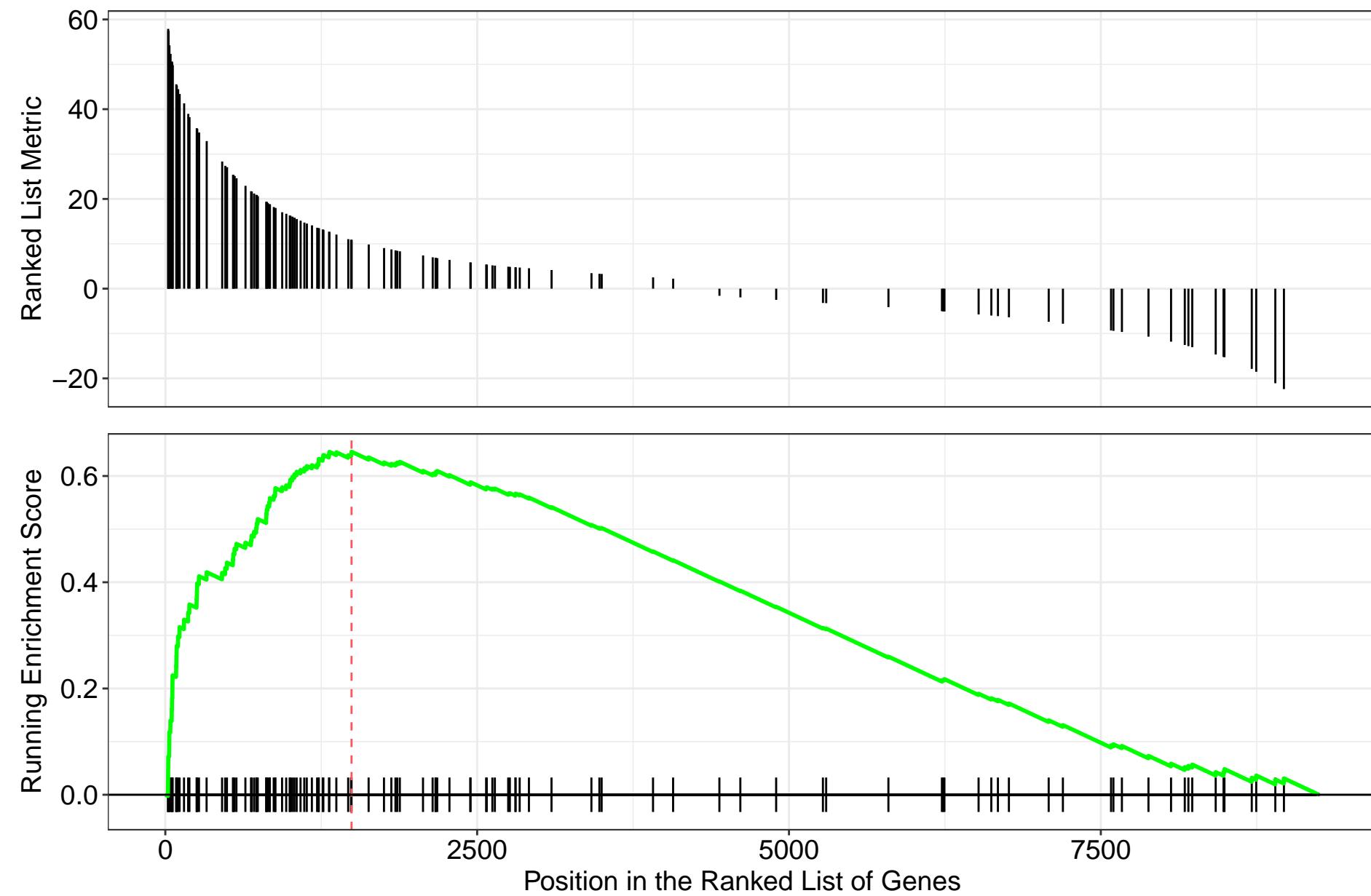
chromosome separation



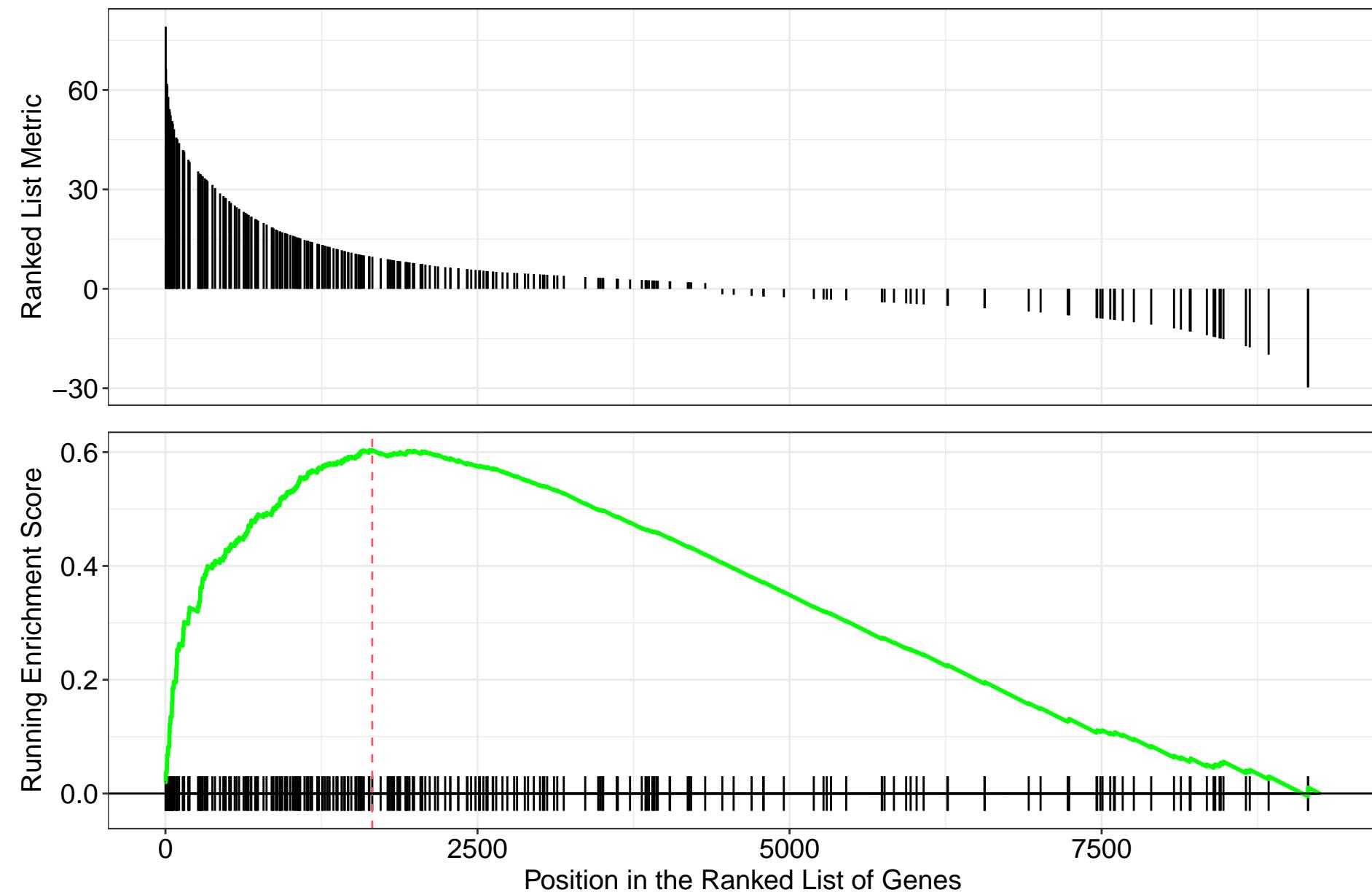
cellular response to cytokine stimulus



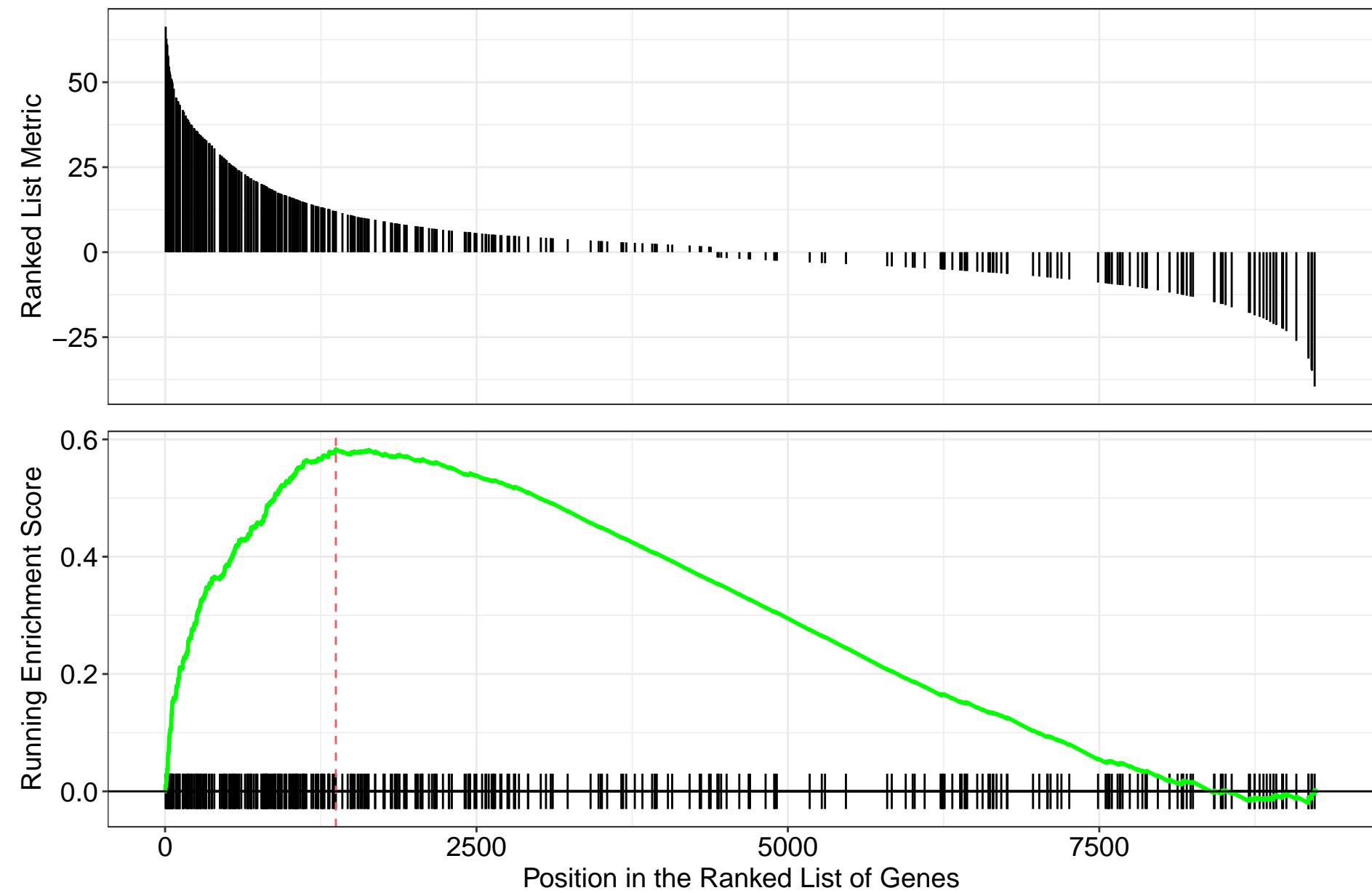
cellular response to lipopolysaccharide



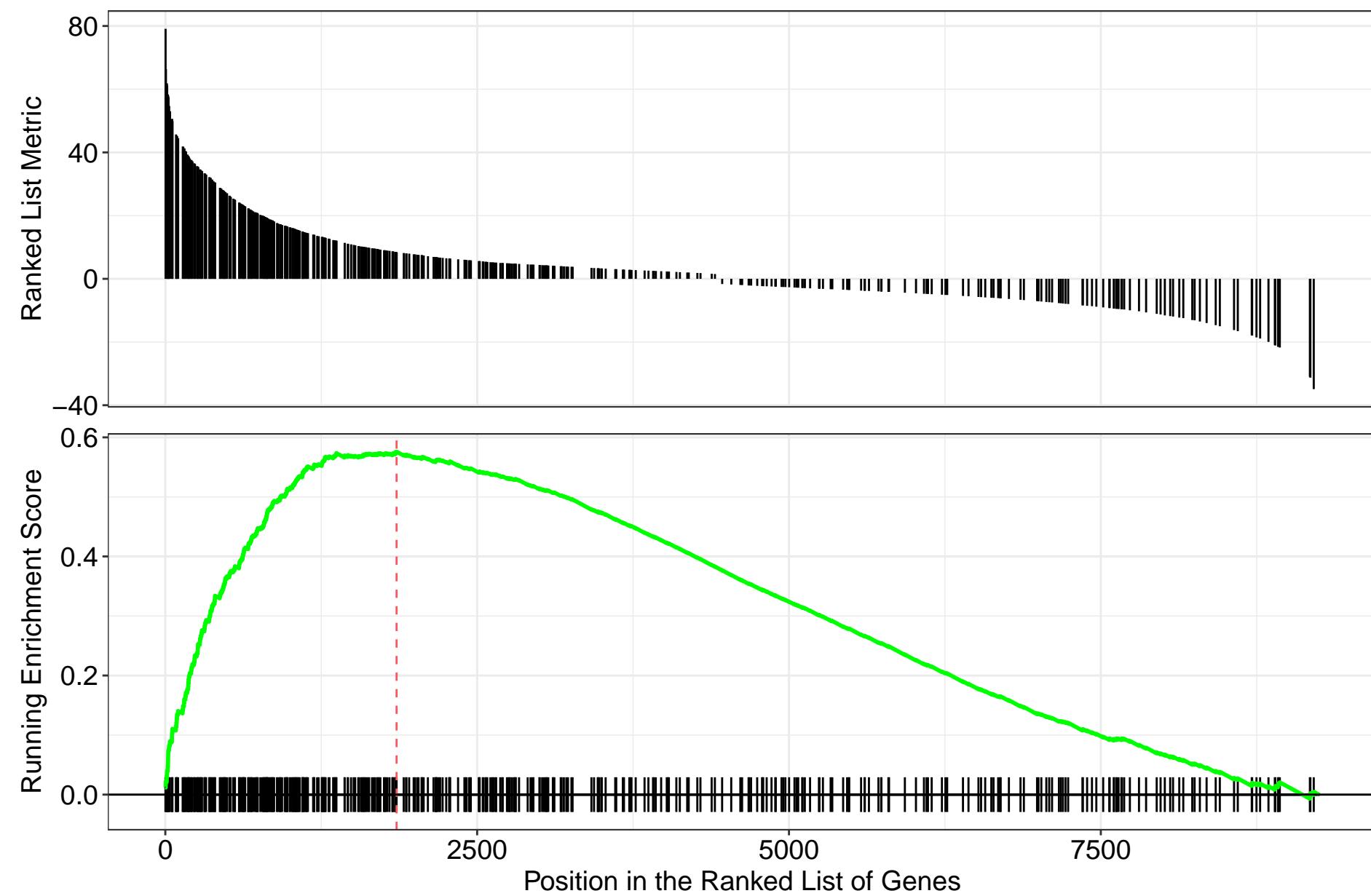
cytokine-mediated signaling pathway



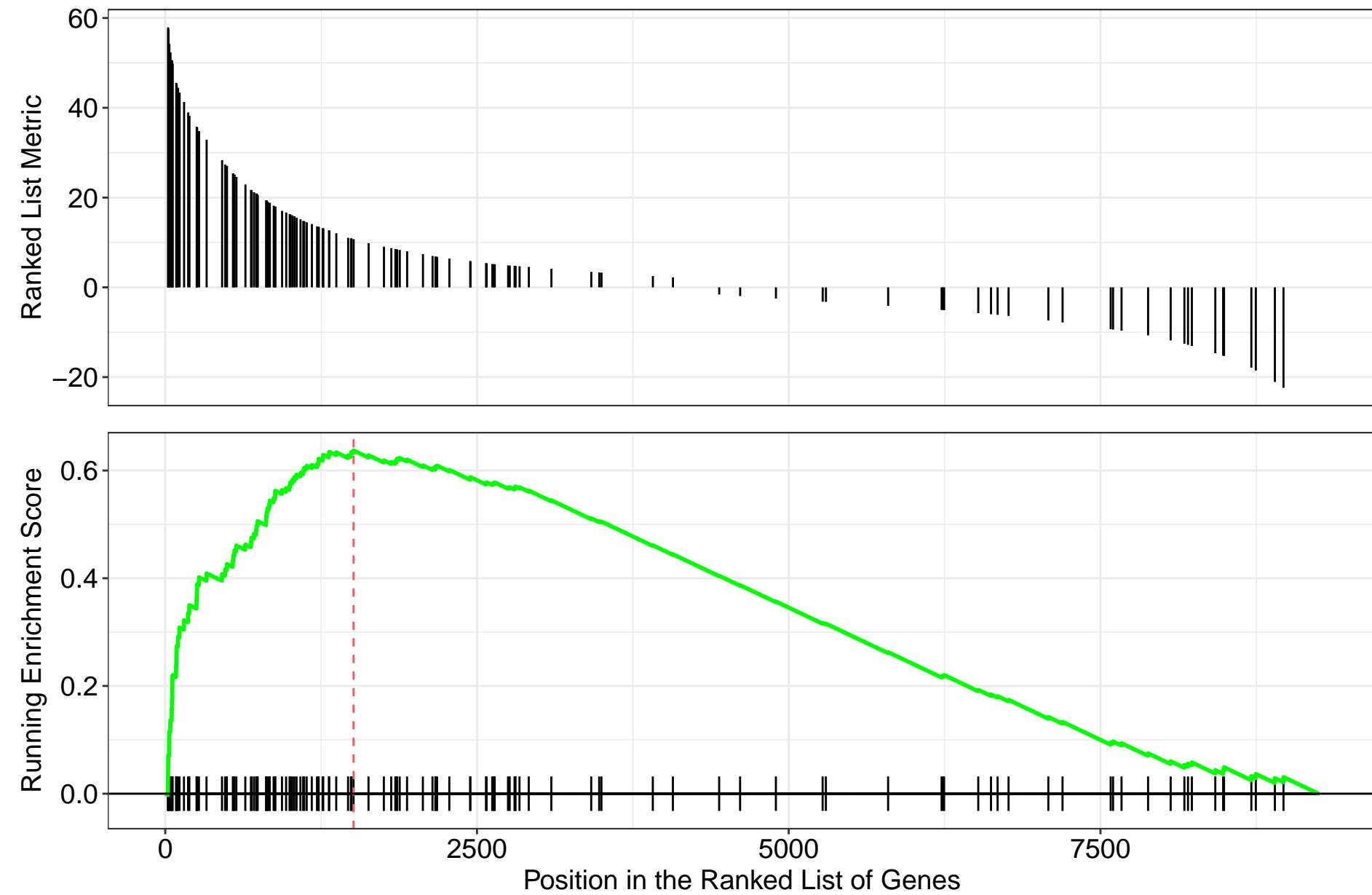
response to bacterium



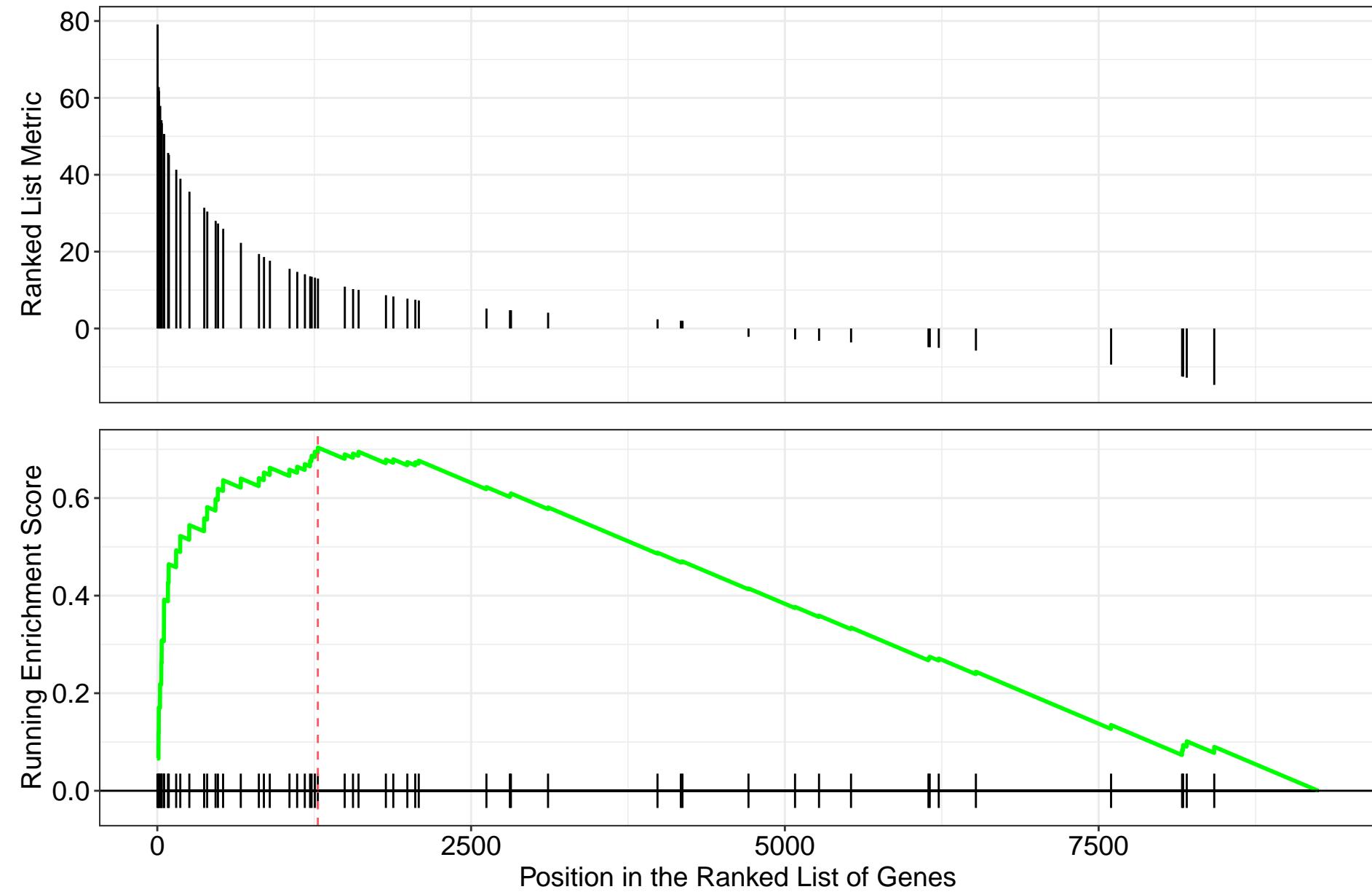
innate immune response



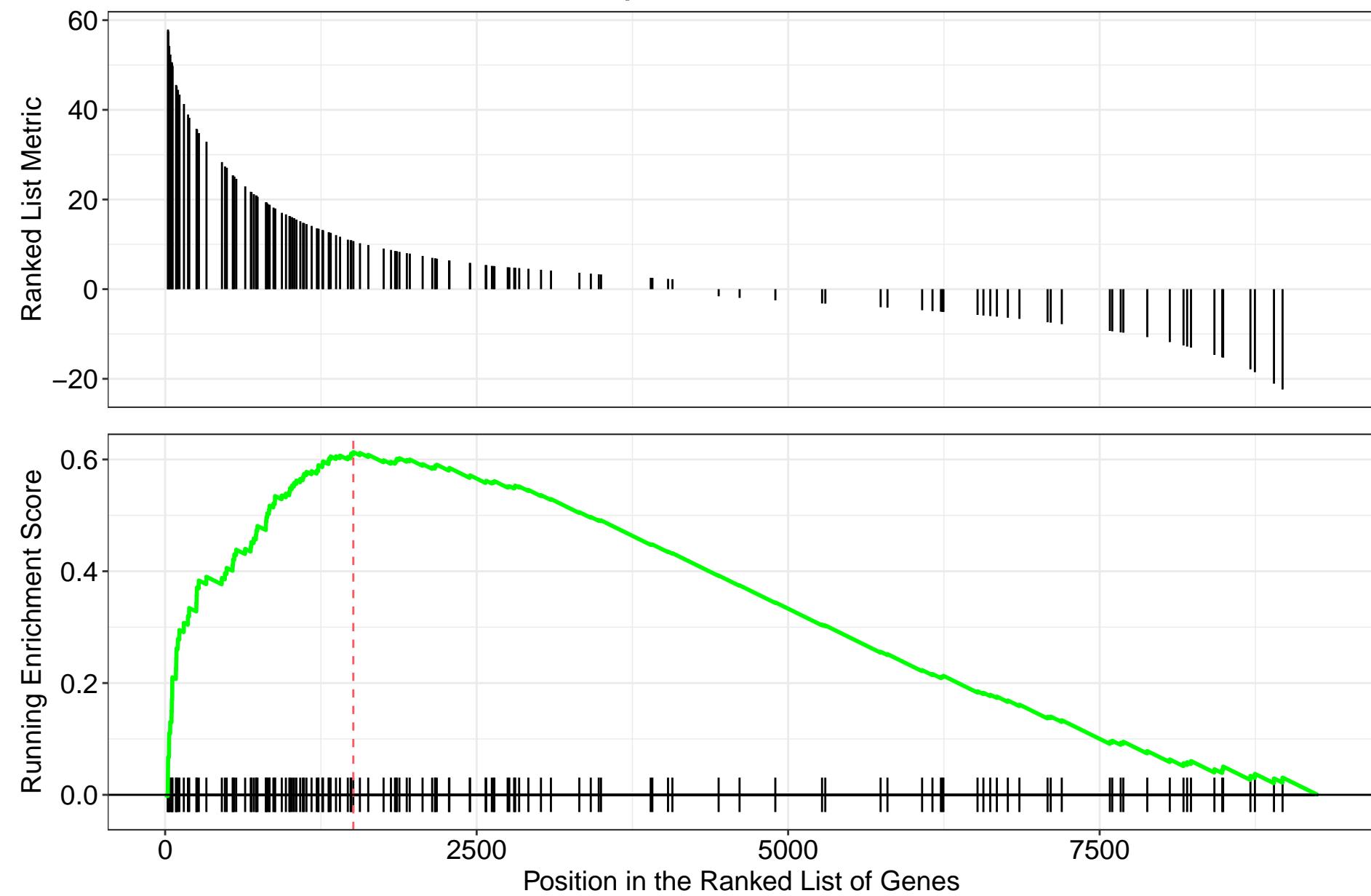
cellular response to molecule of bacterial origin



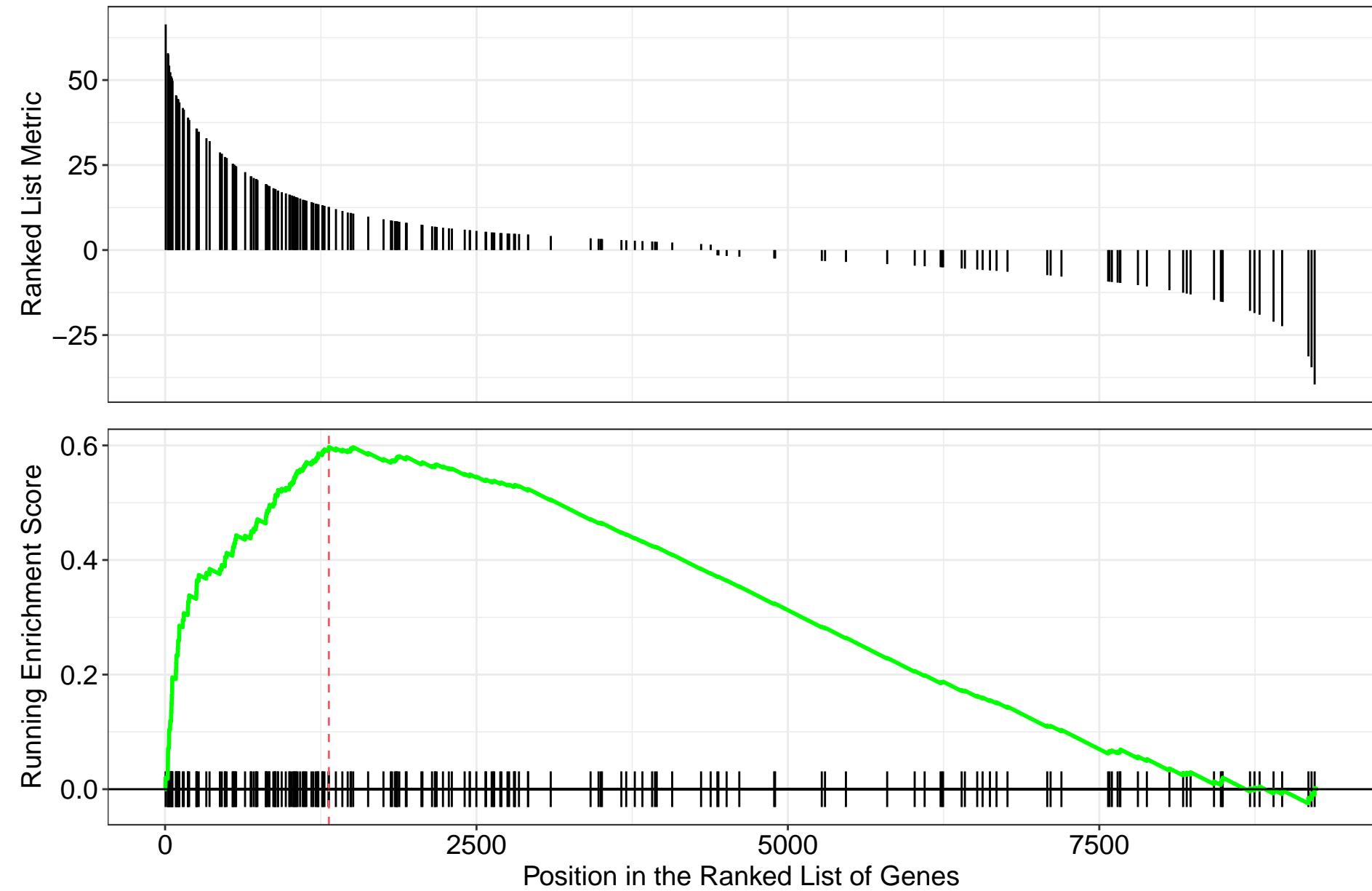
response to interleukin-1



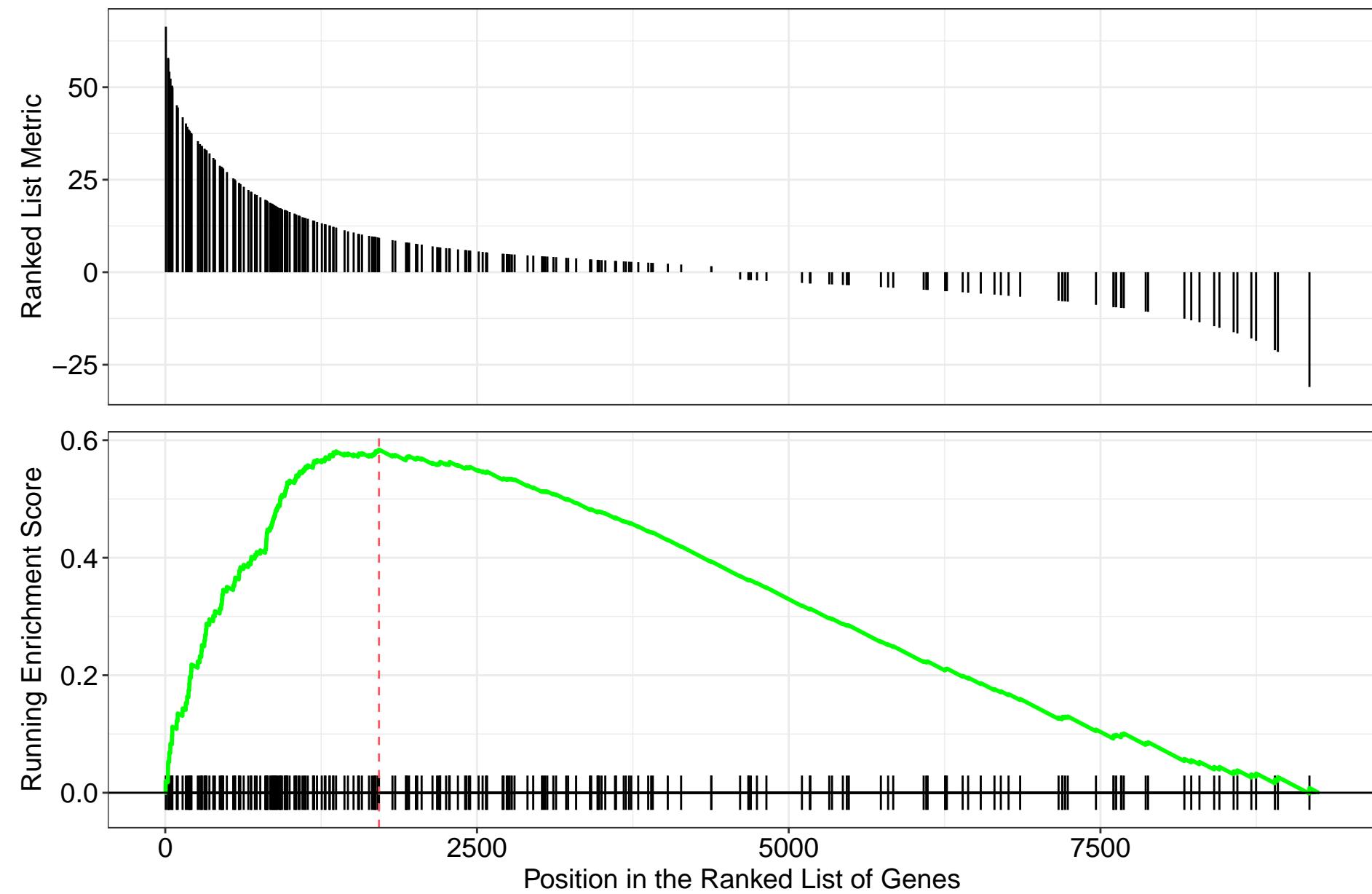
cellular response to biotic stimulus



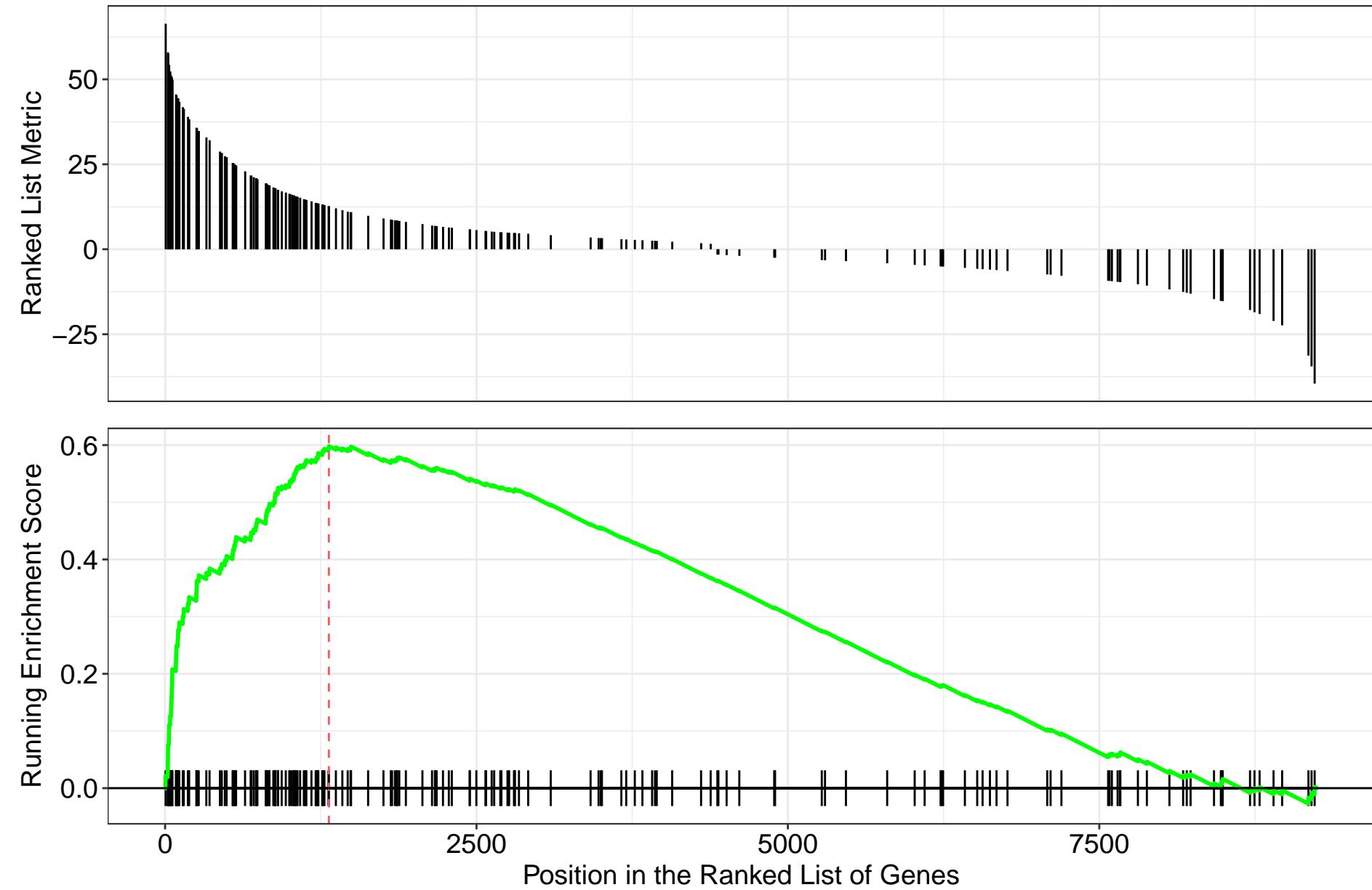
response to molecule of bacterial origin



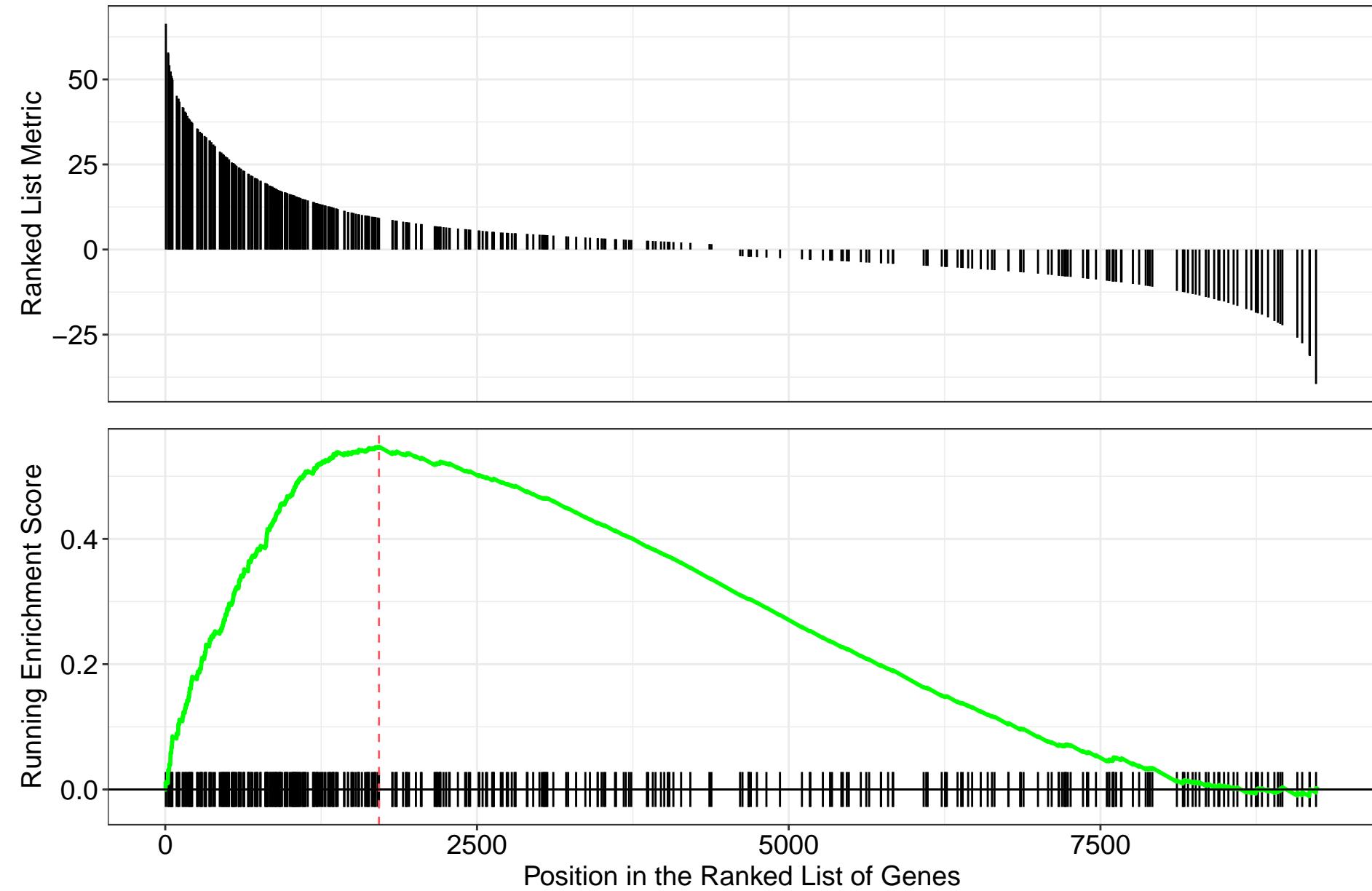
regulation of response to biotic stimulus



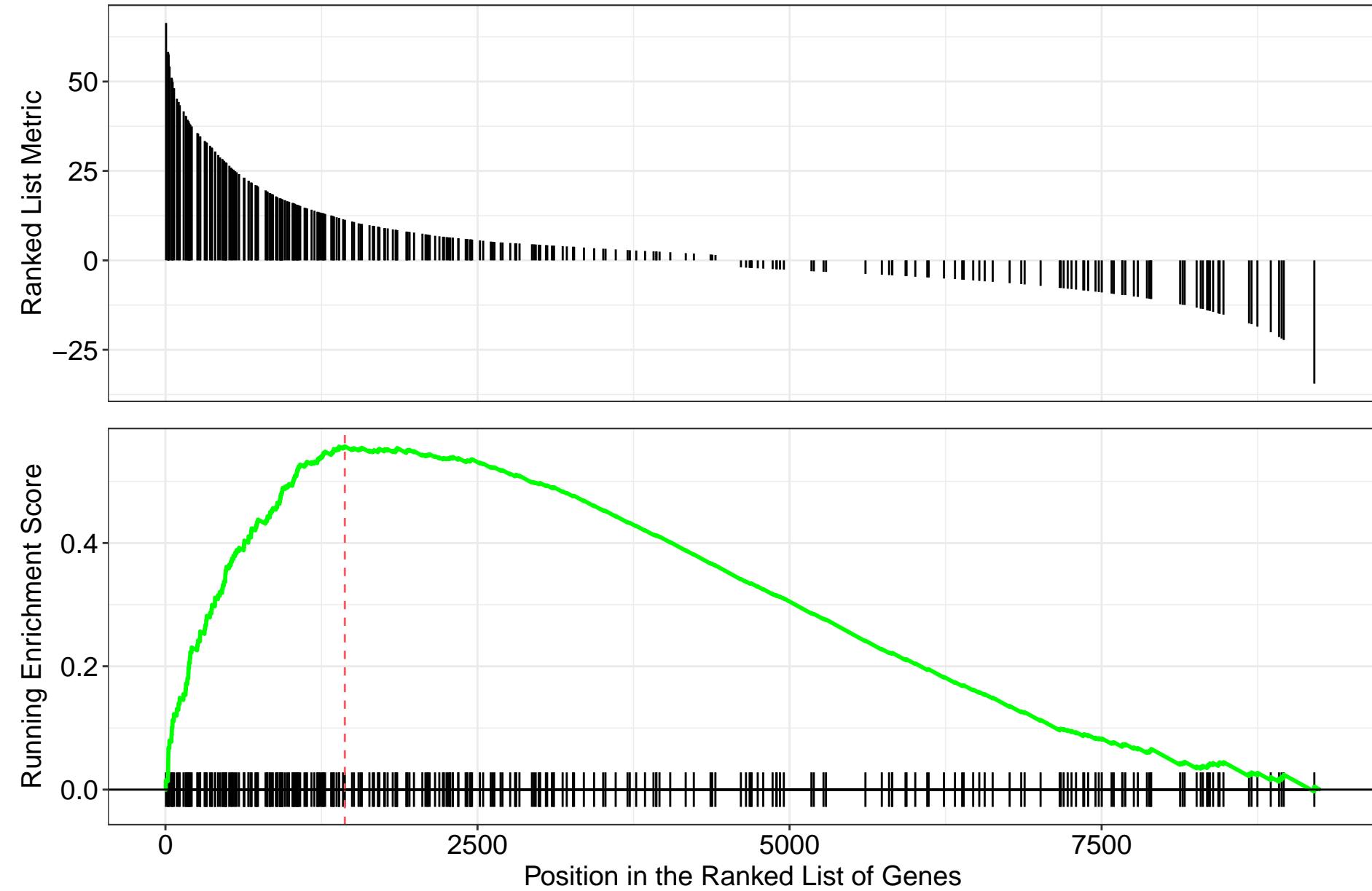
response to lipopolysaccharide



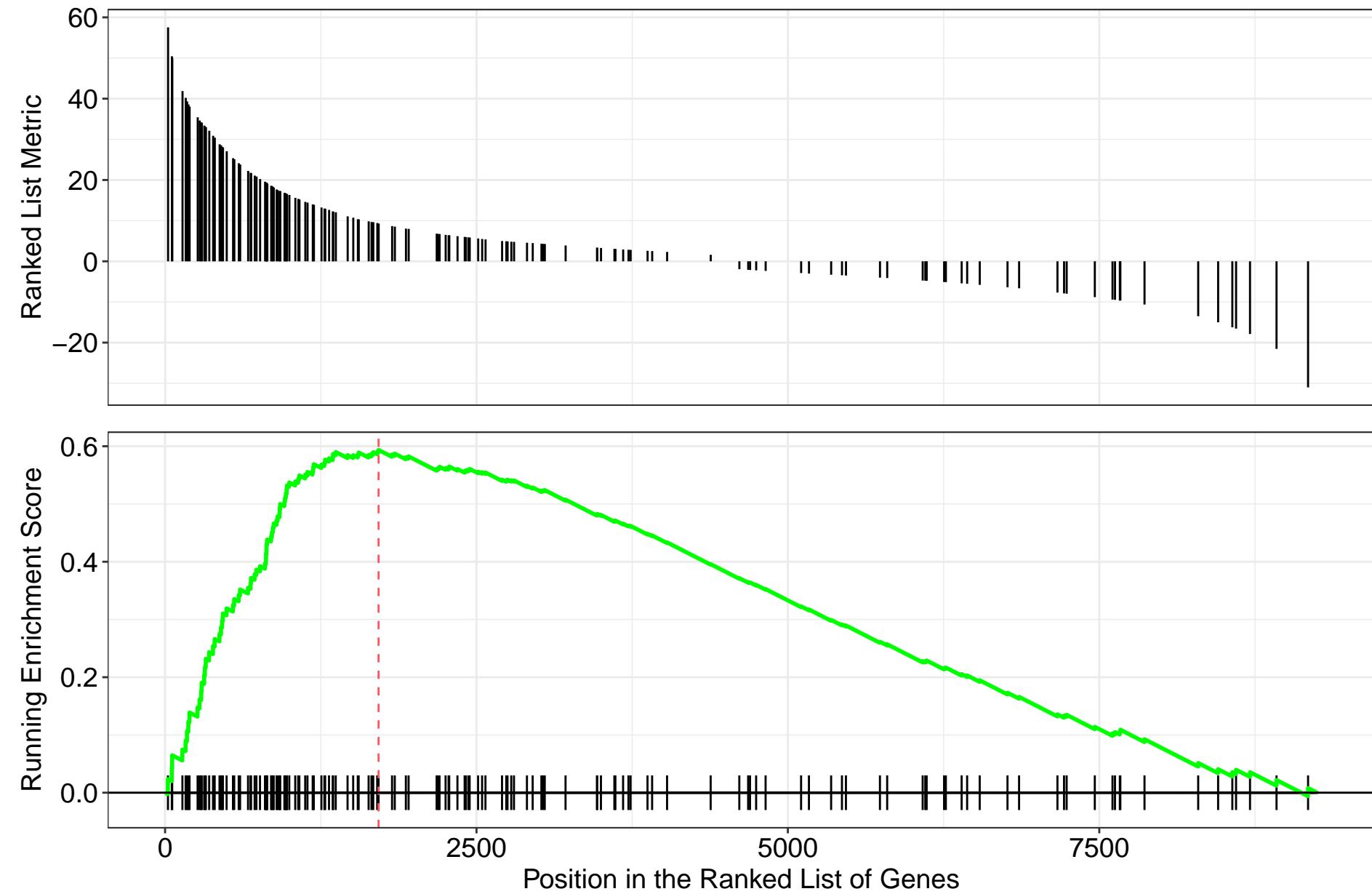
regulation of defense response



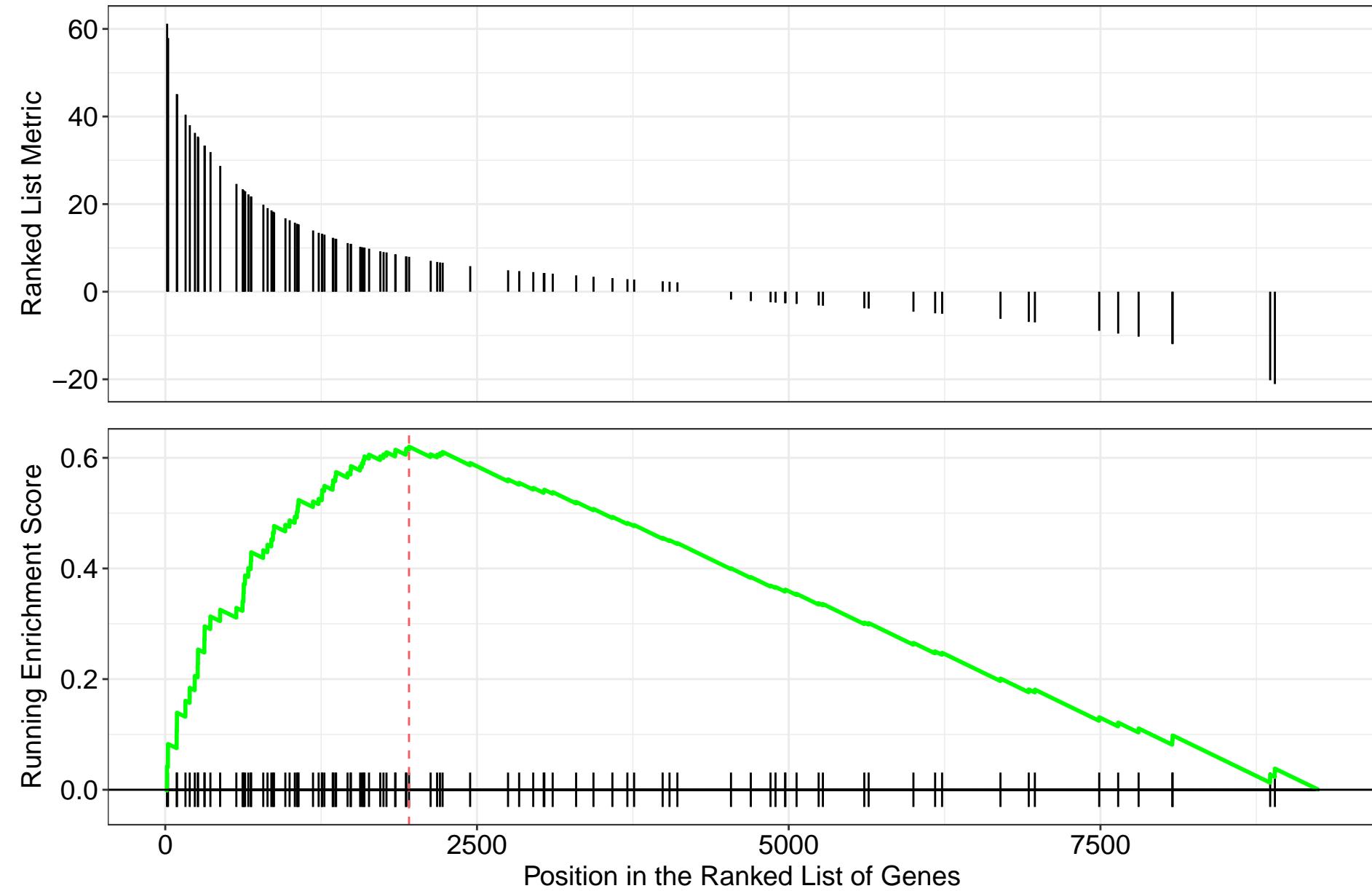
positive regulation of cytokine production



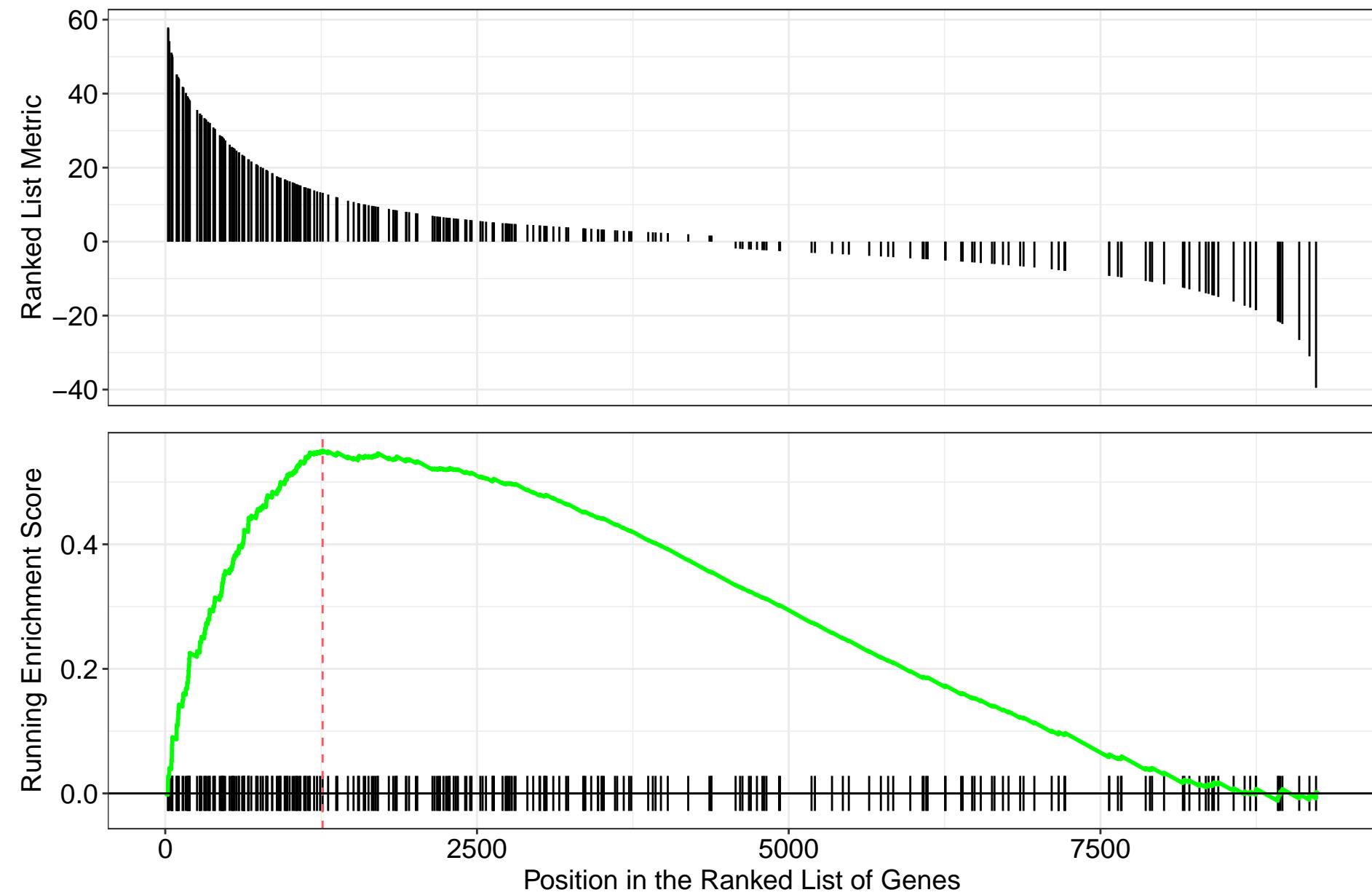
regulation of innate immune response



regulation of viral life cycle

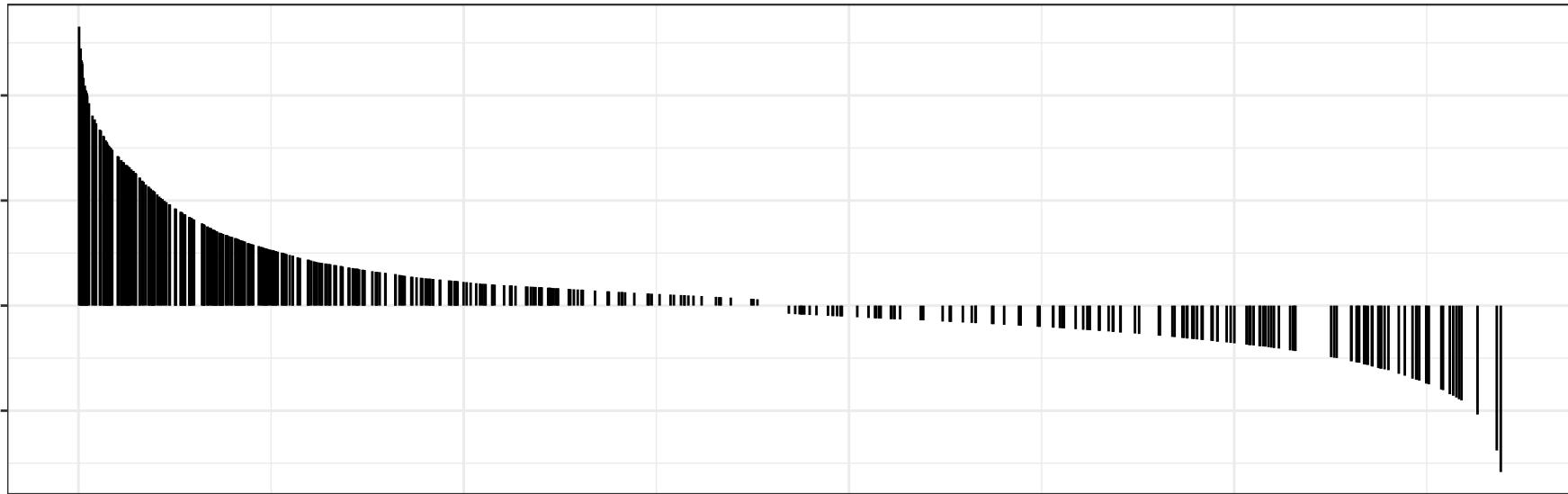


positive regulation of response to external stimulus

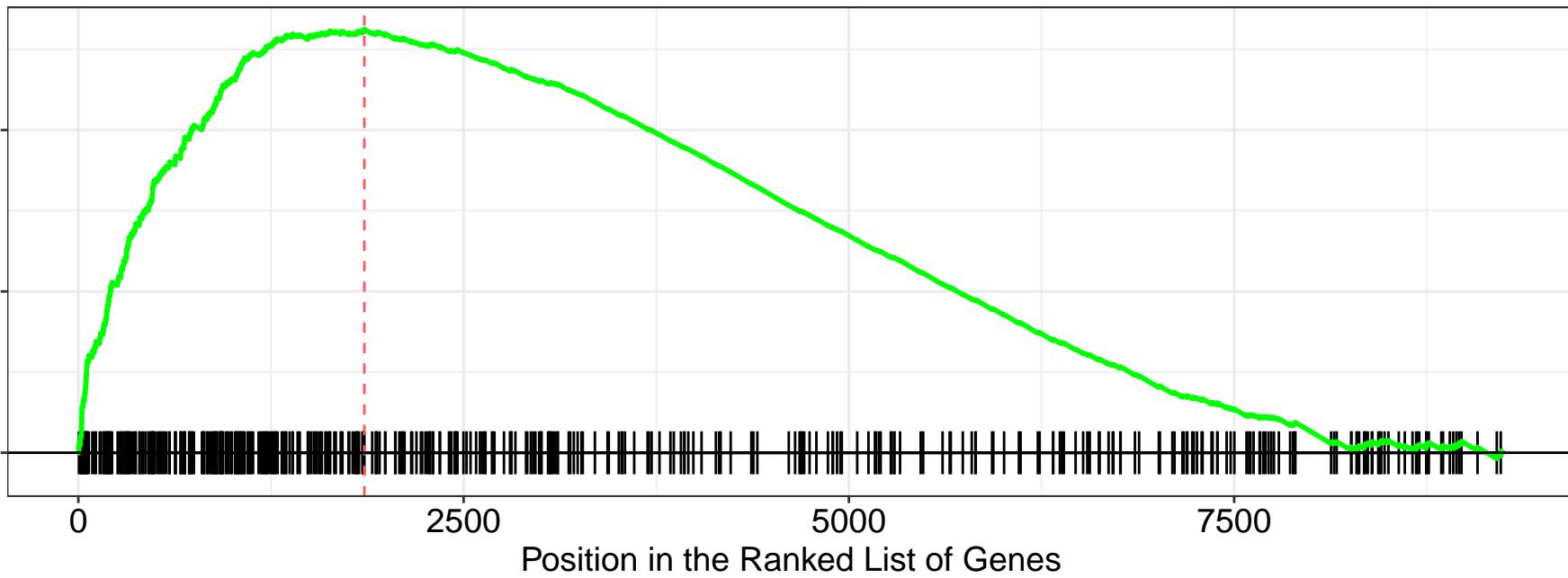


regulation of cytokine production

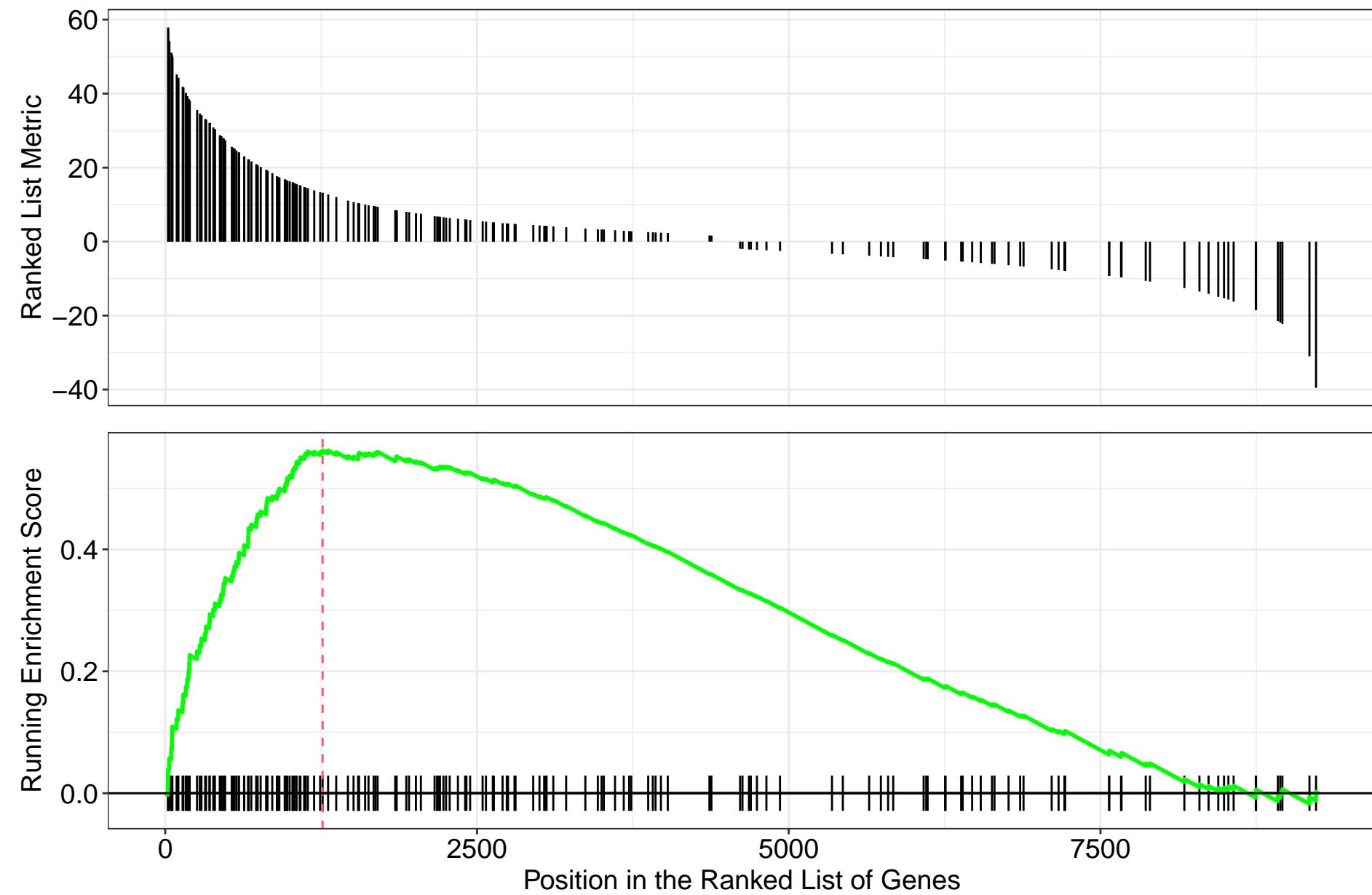
Ranked List Metric



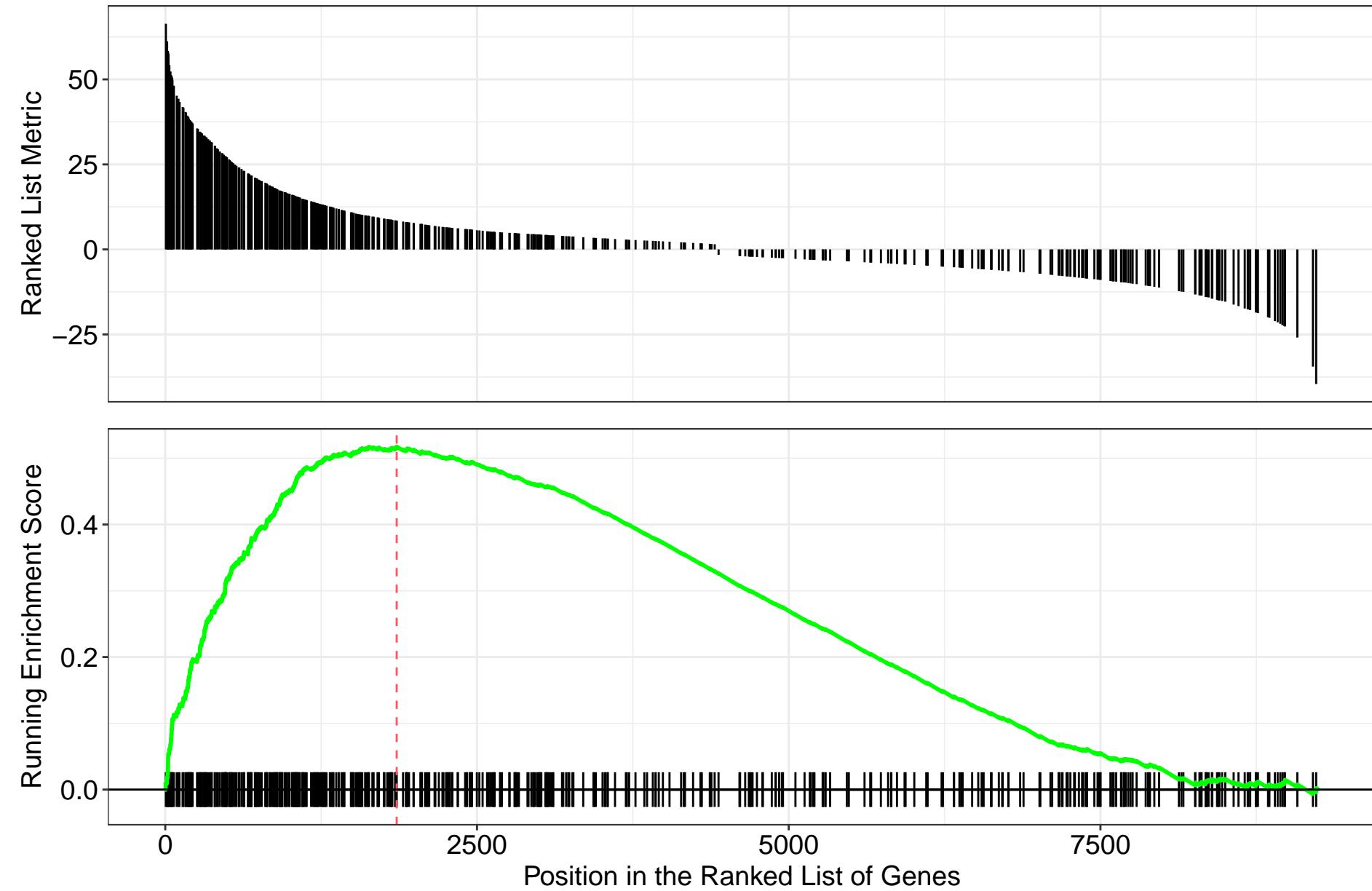
Running Enrichment Score



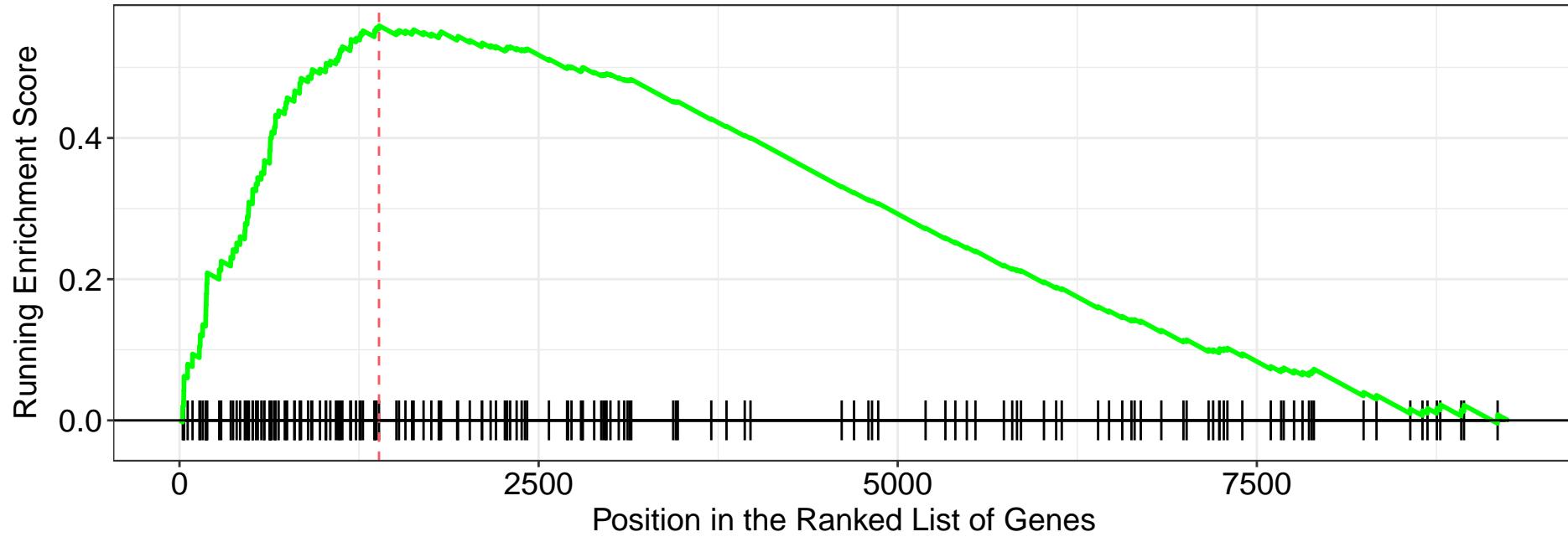
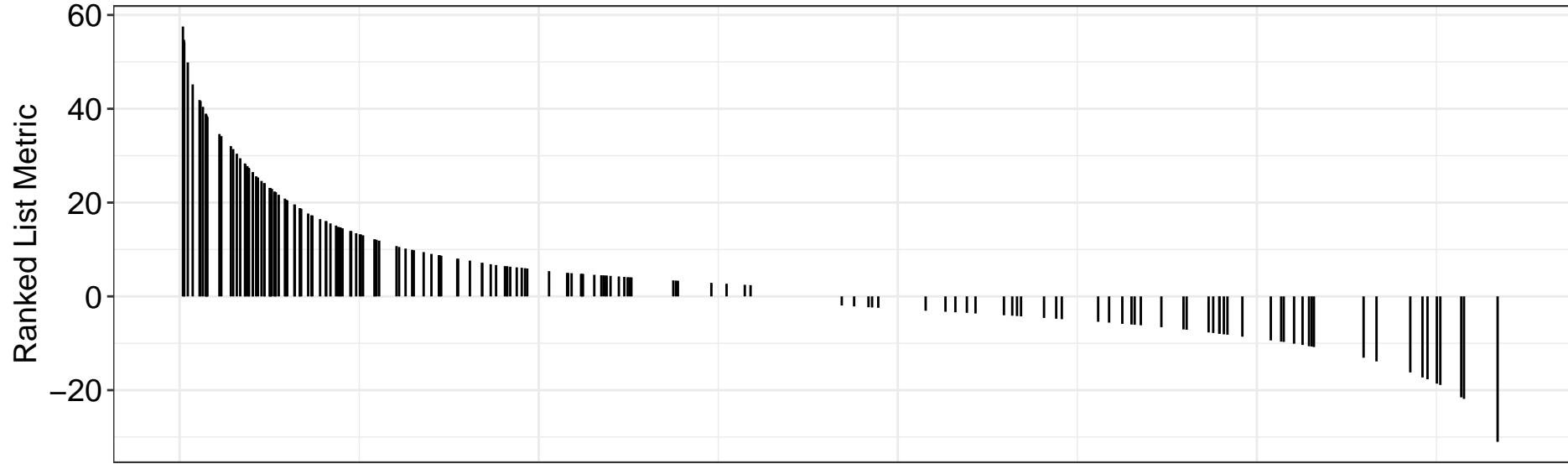
positive regulation of defense response



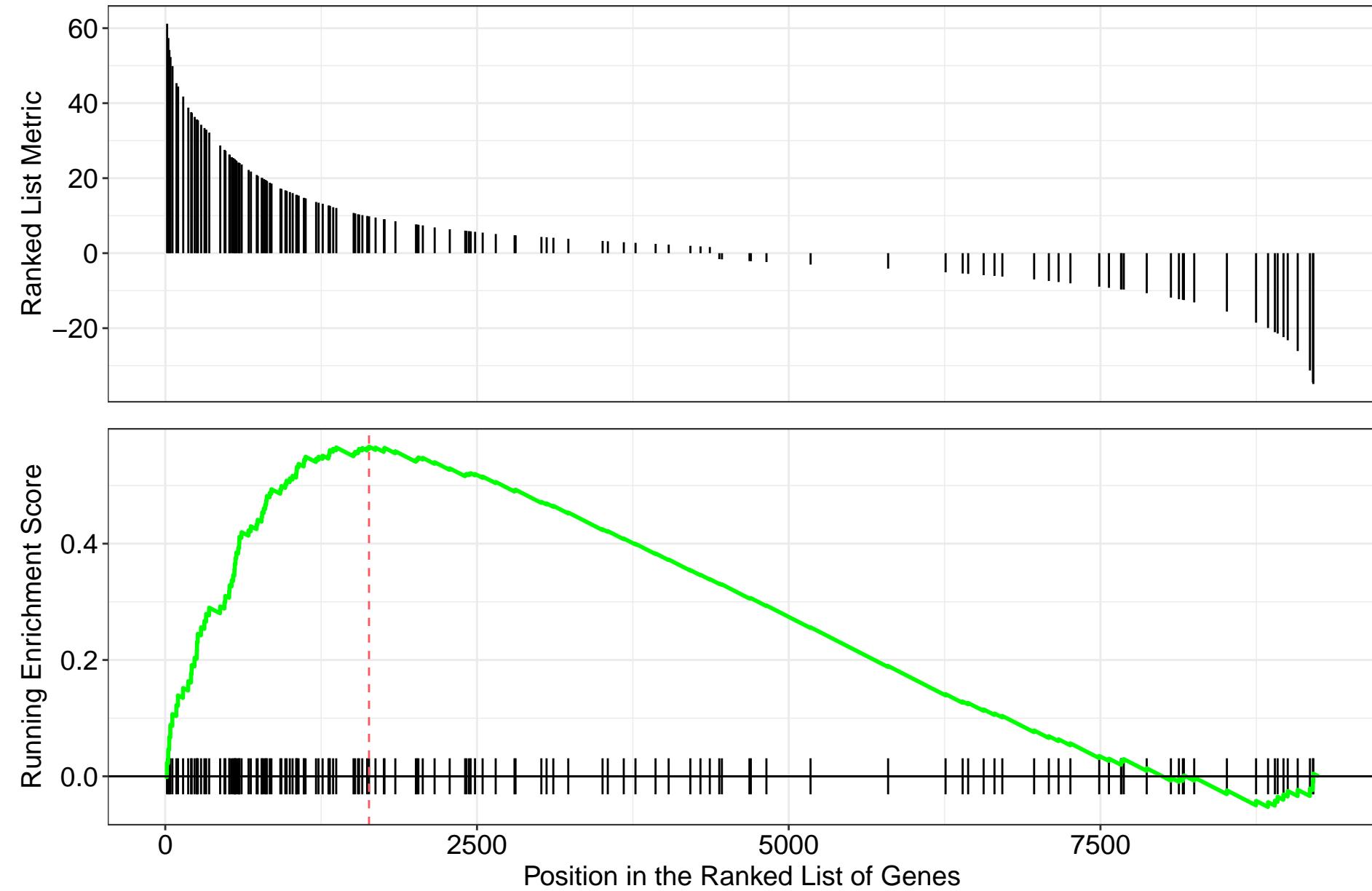
cytokine production



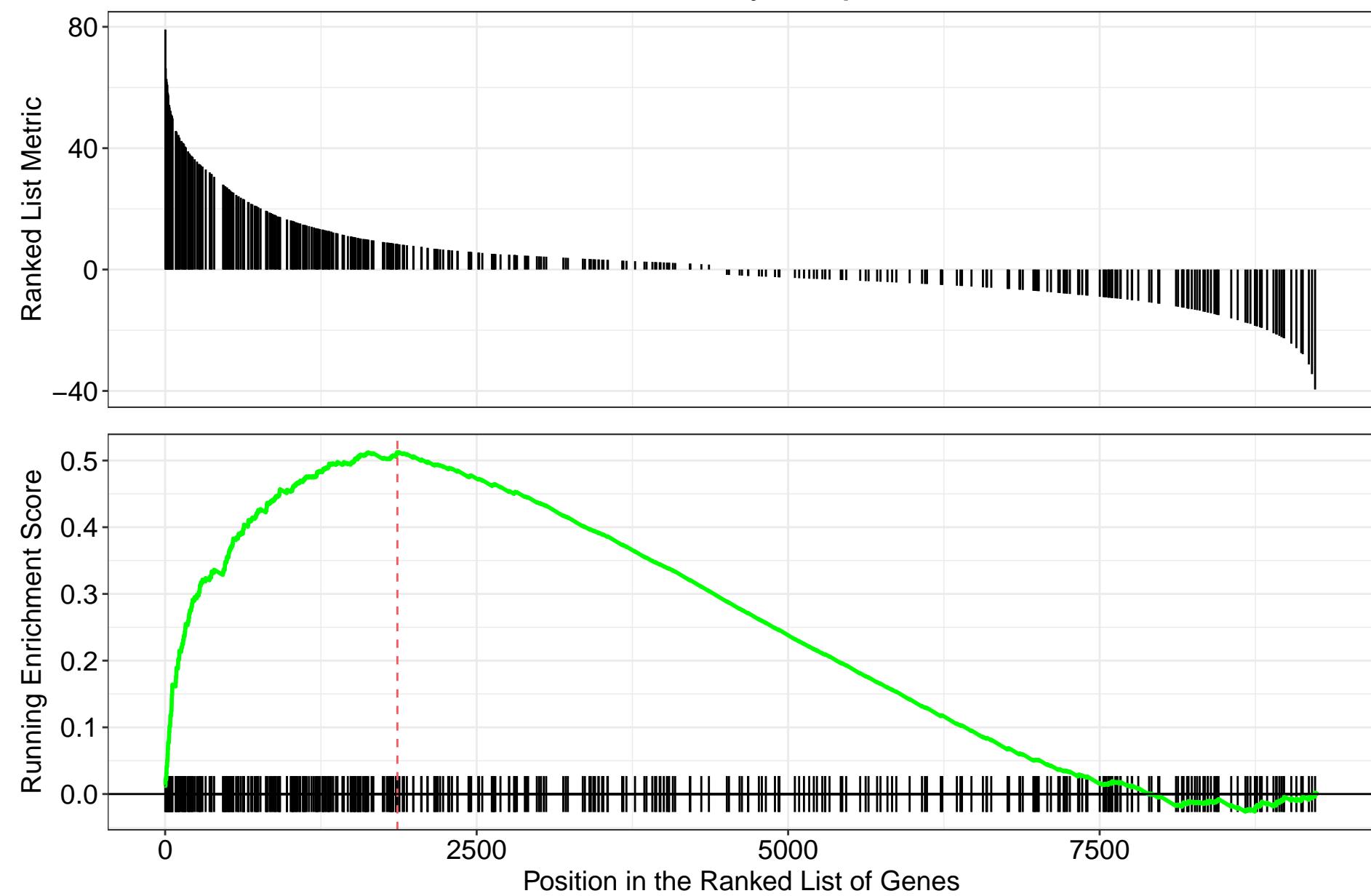
positive regulation of immune effector process



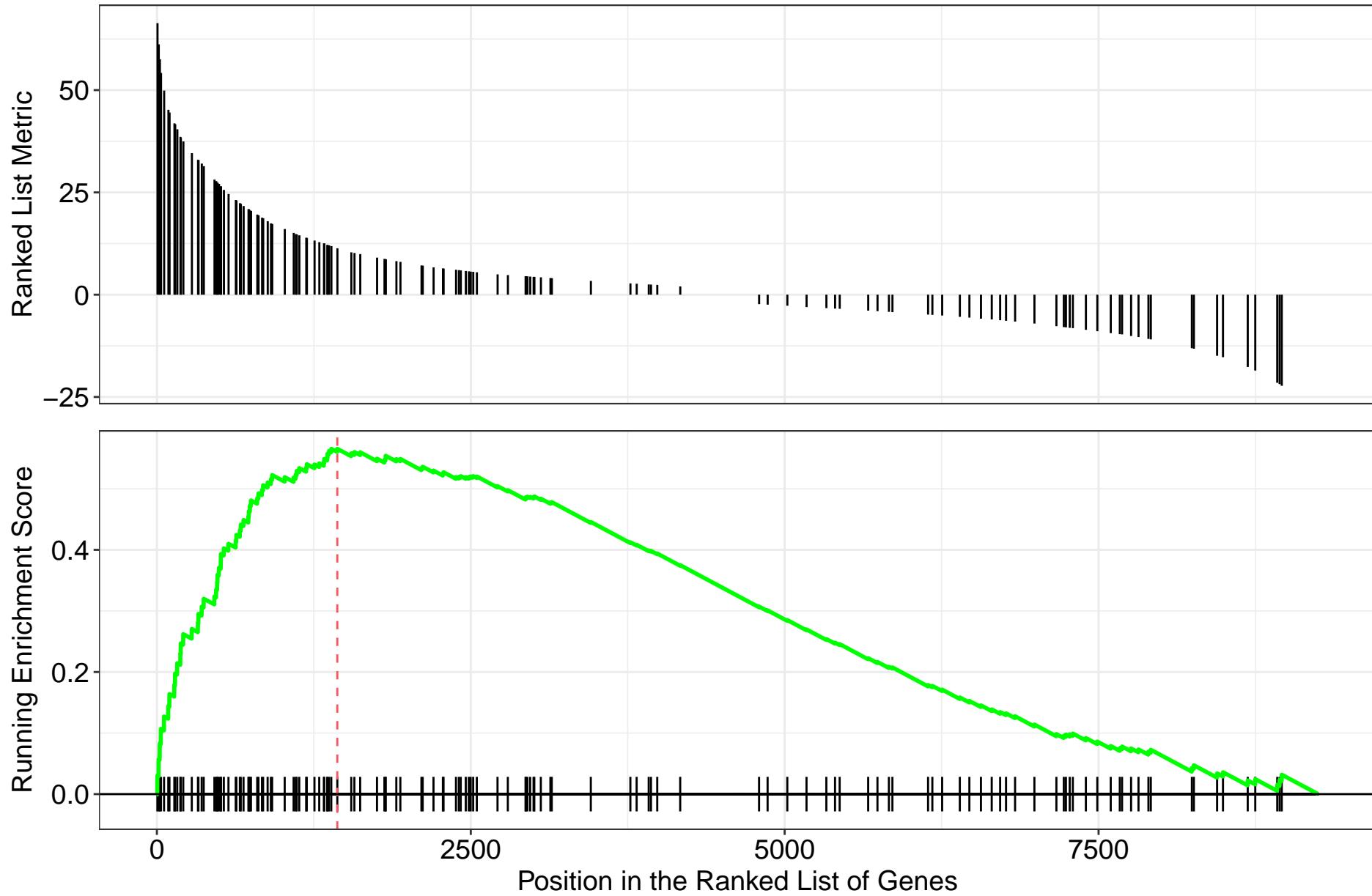
defense response to bacterium



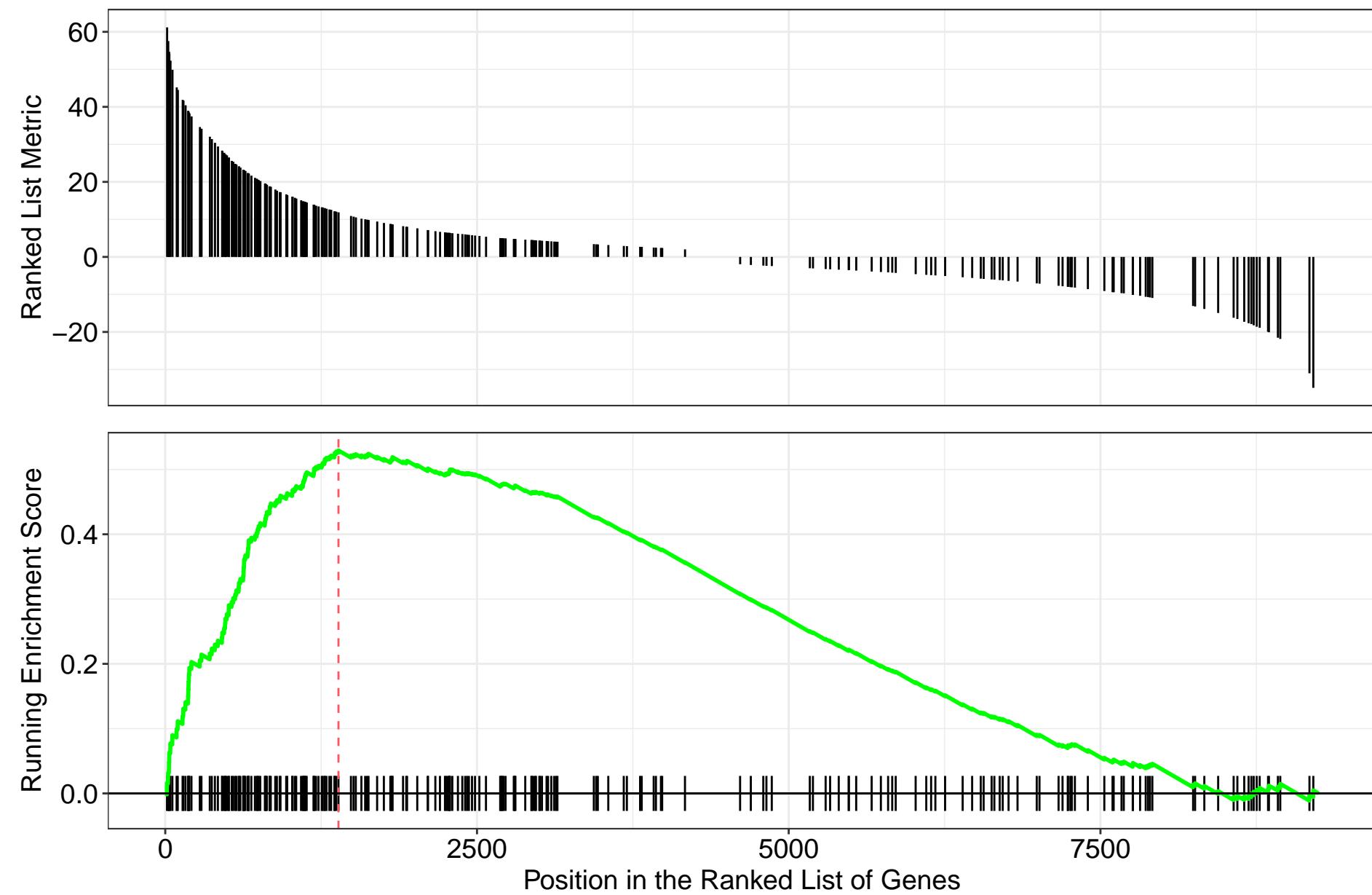
inflammatory response



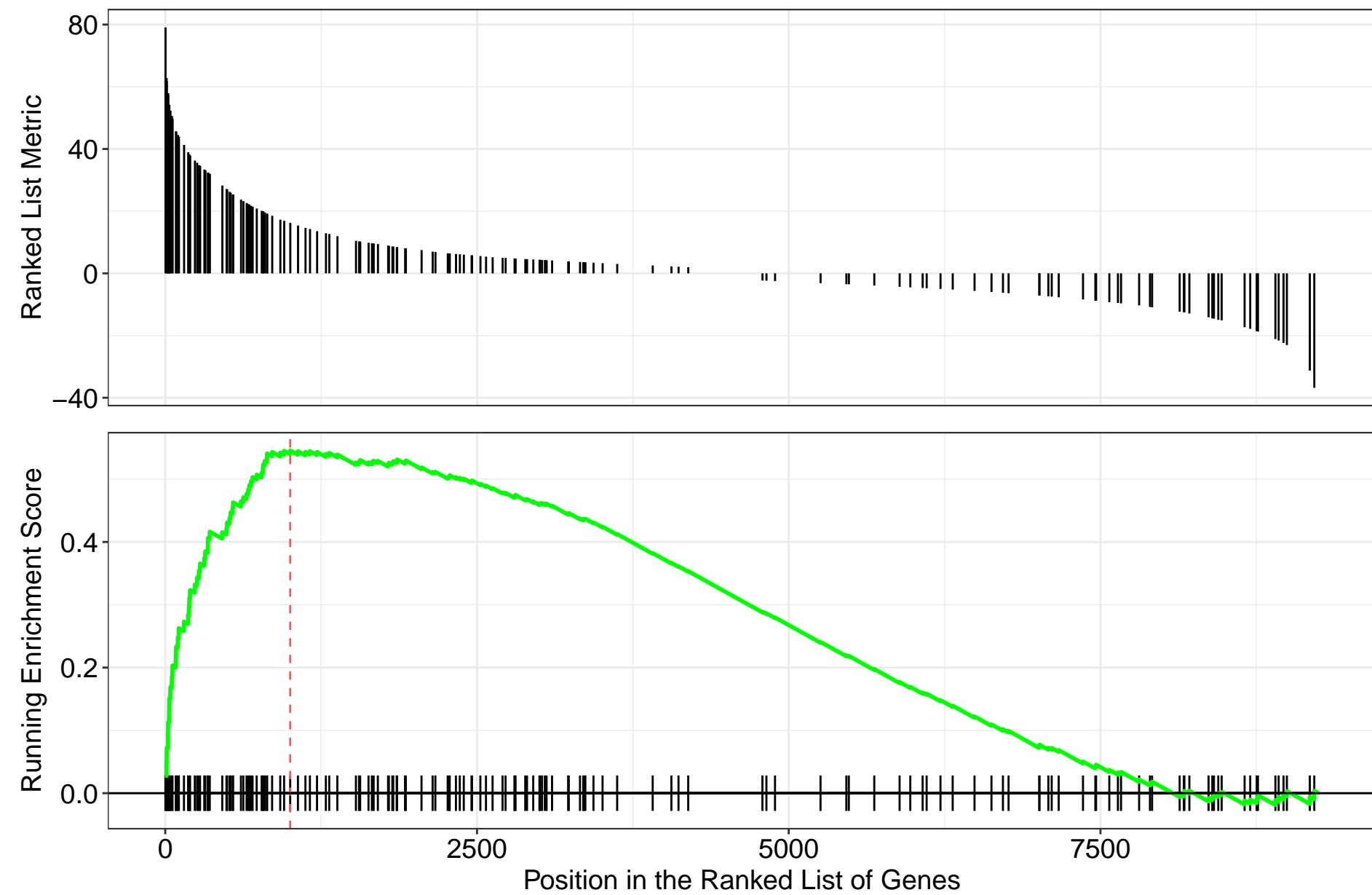
regulation of adaptive immune response



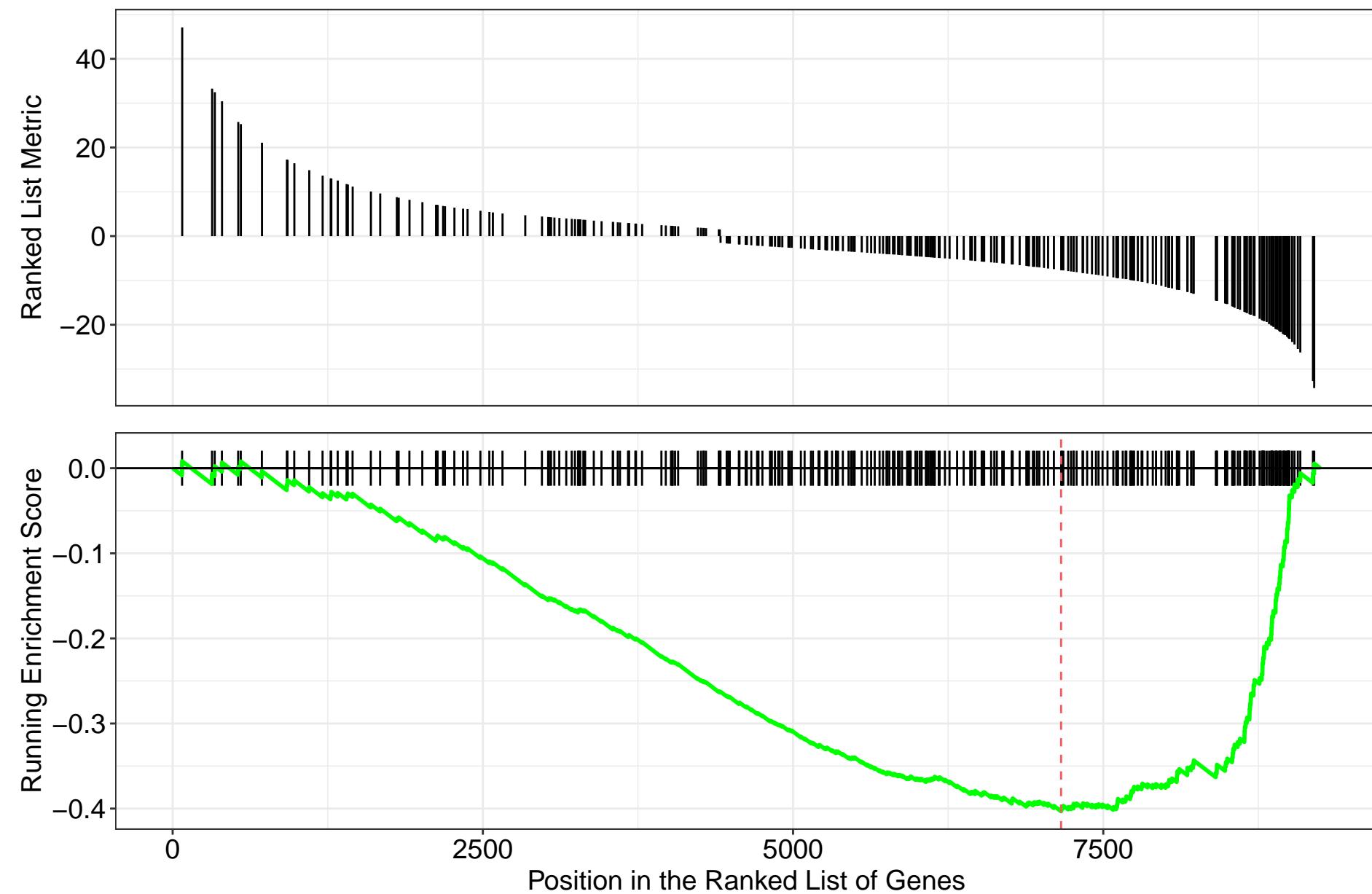
regulation of immune effector process



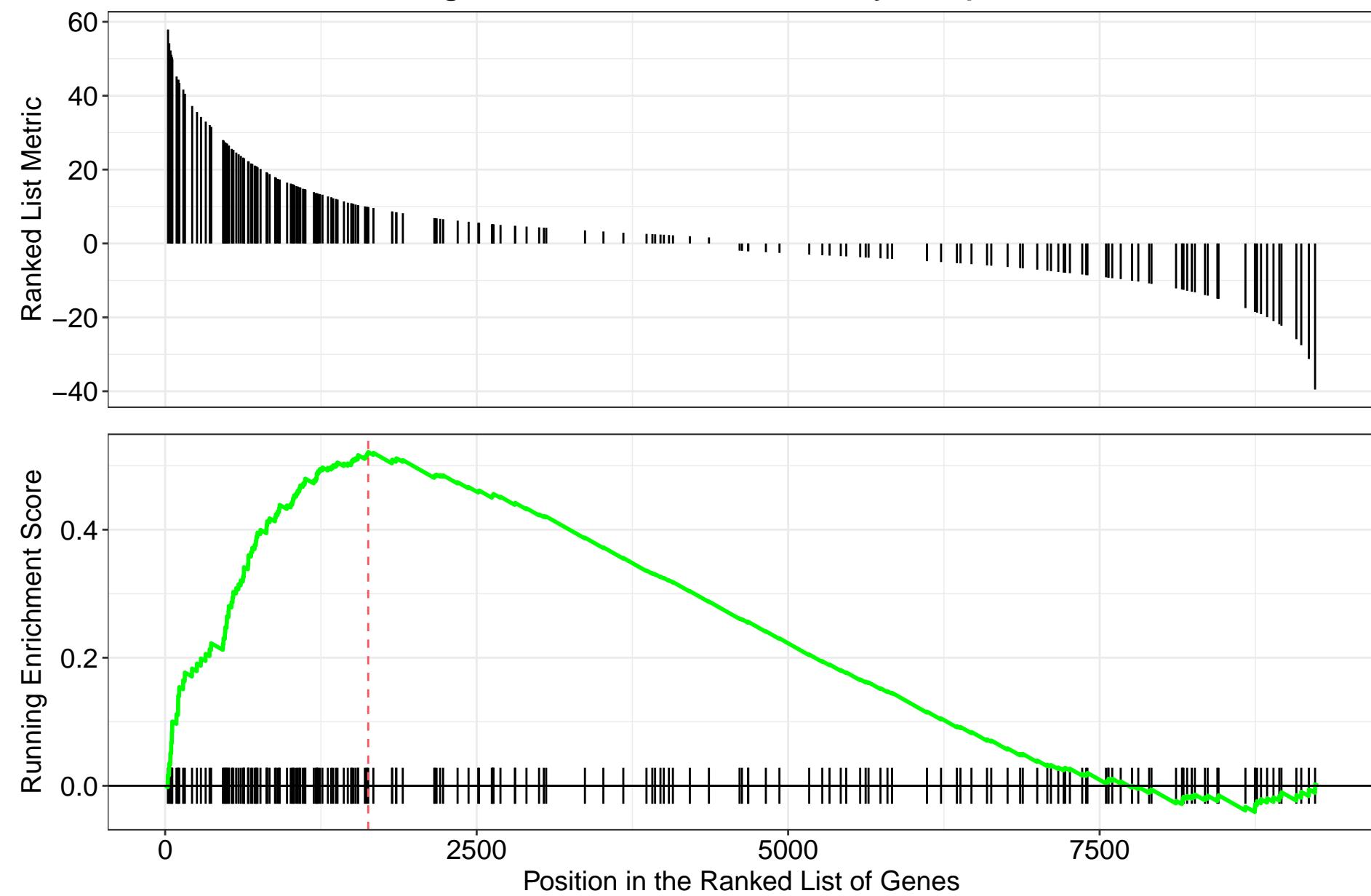
cell chemotaxis



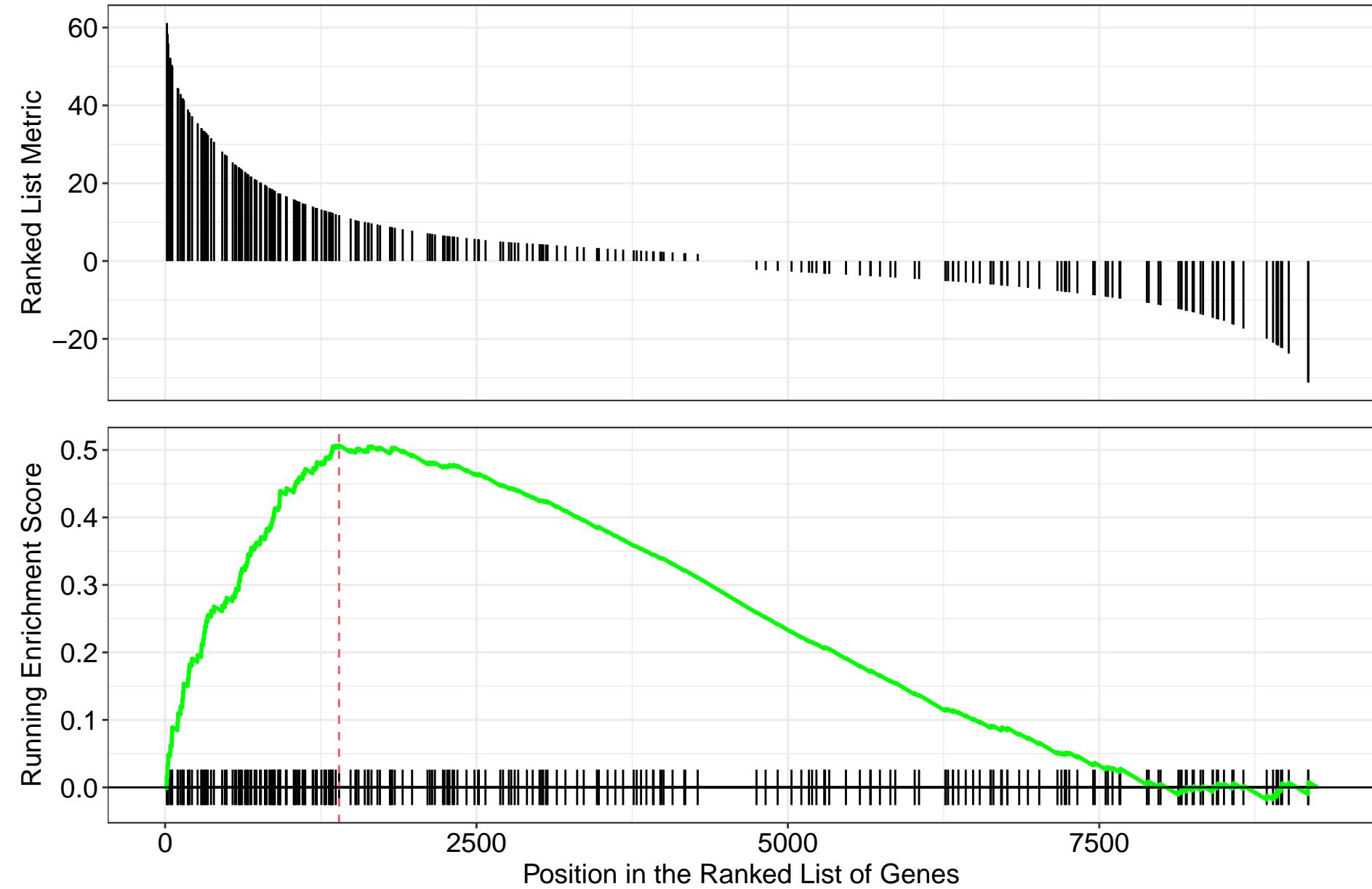
chromosome organization



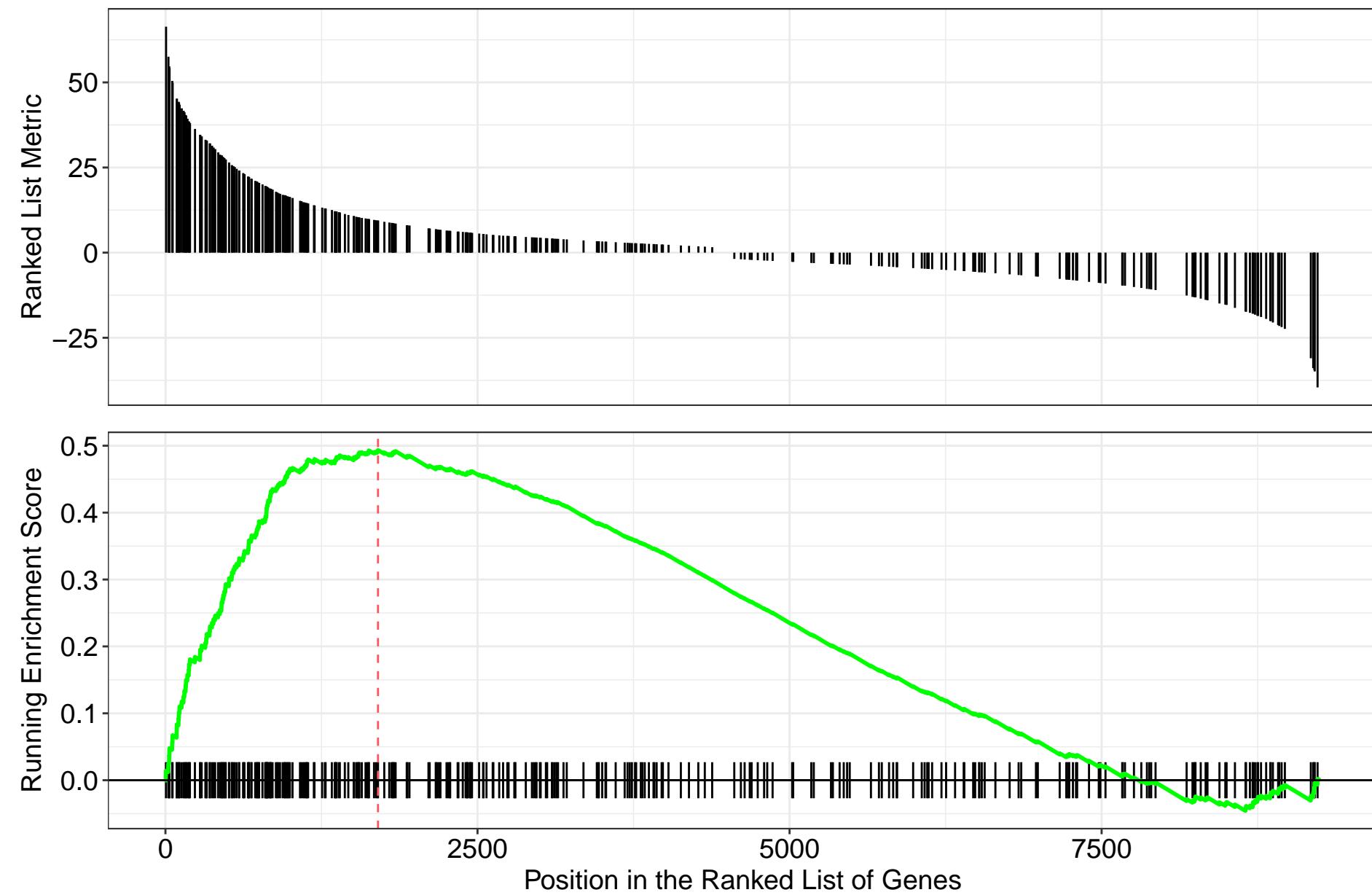
regulation of inflammatory response



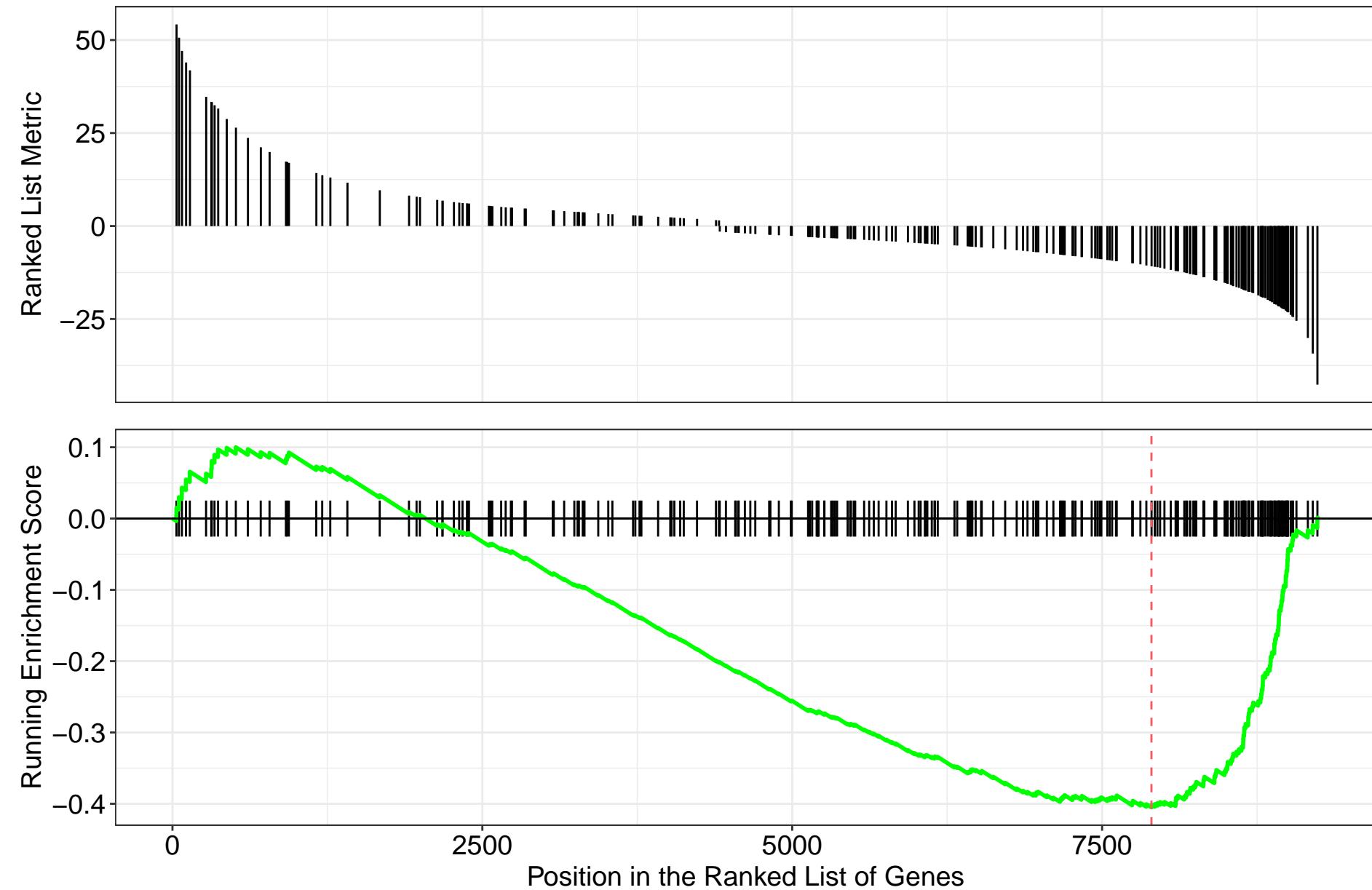
negative regulation of immune system process



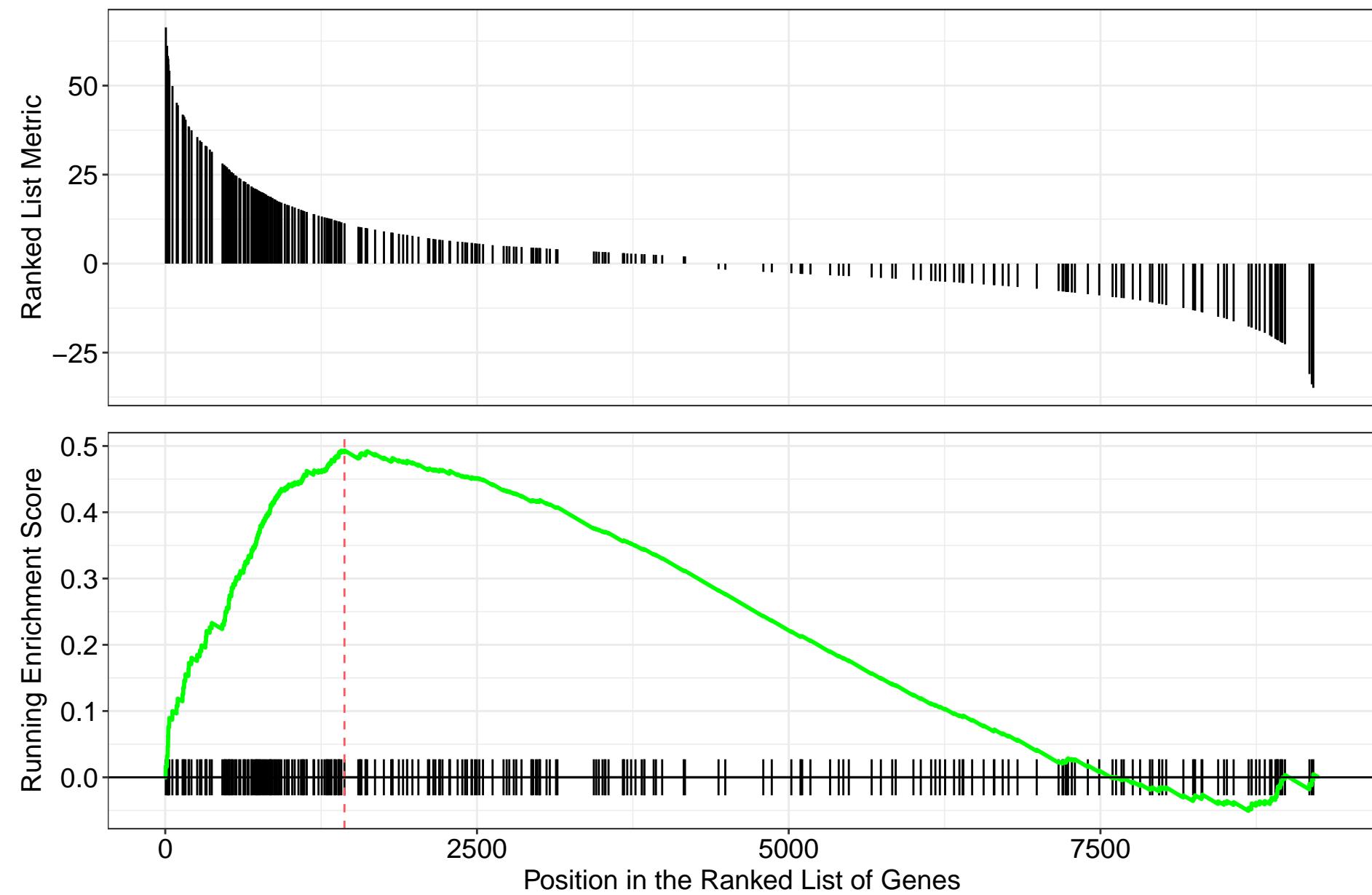
positive regulation of immune response



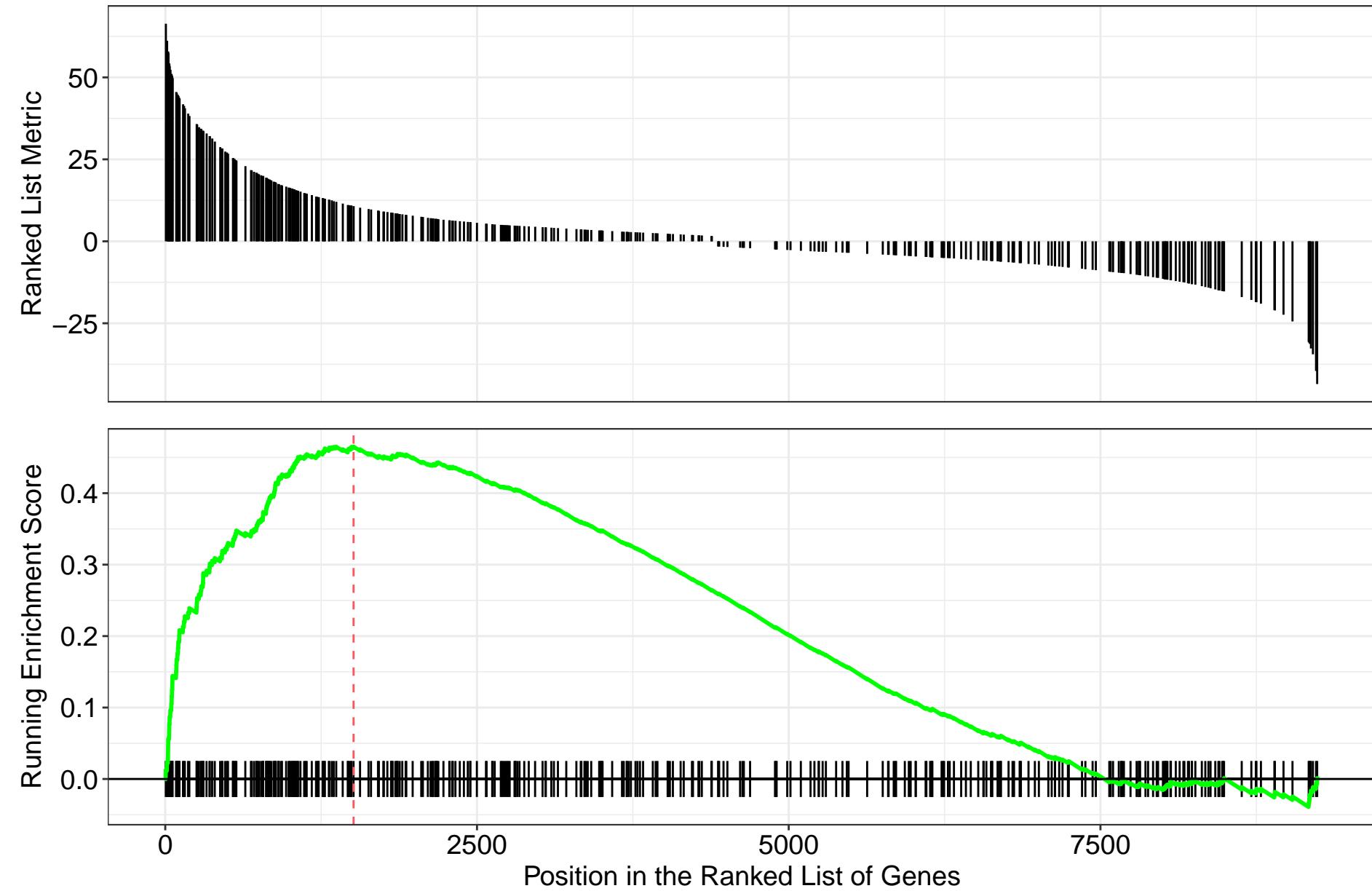
nuclear division



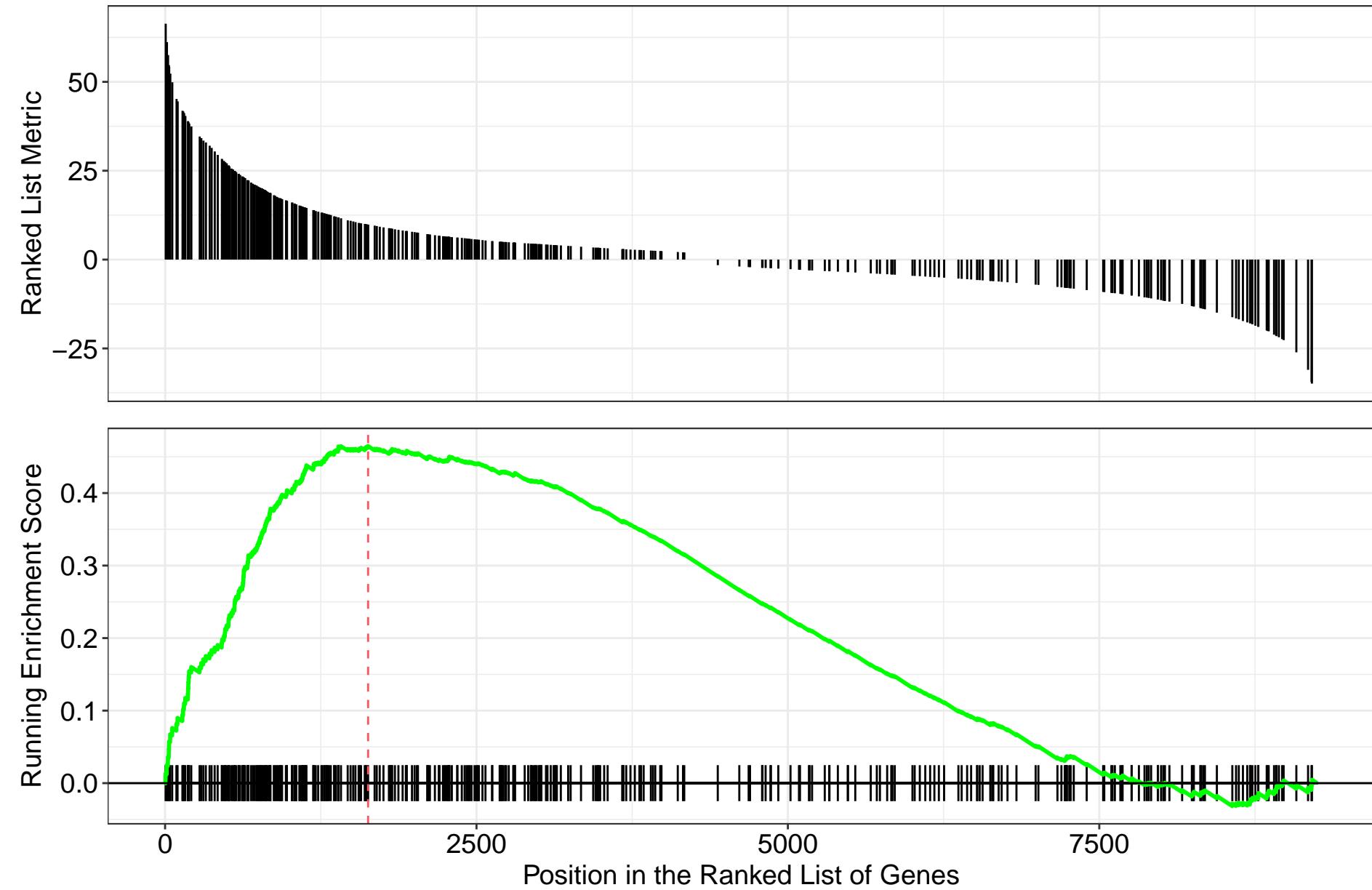
adaptive immune response



response to lipid



immune effector process



cell division

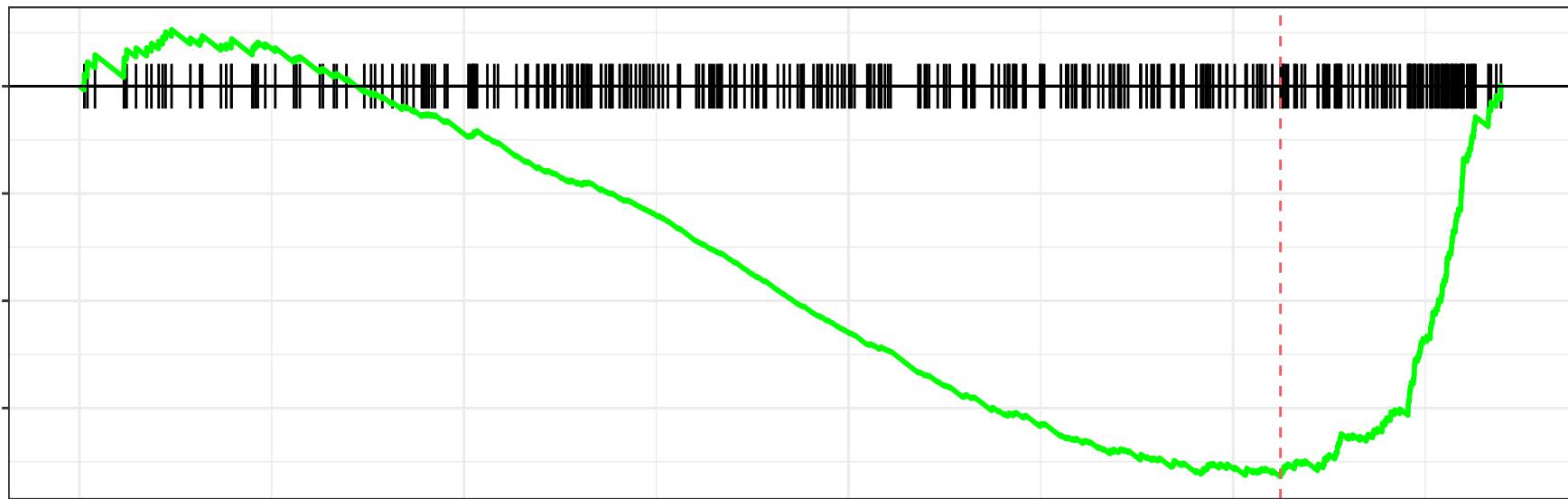
Ranked List Metric



Running Enrichment Score

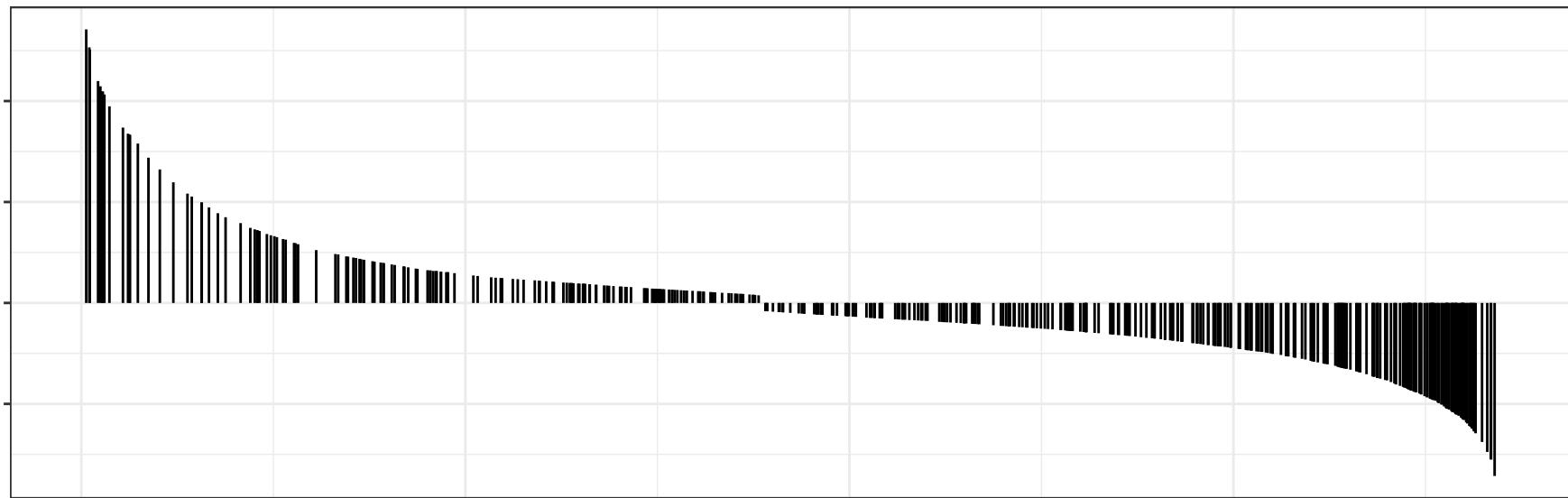
0 2500 5000 7500

Position in the Ranked List of Genes



mitotic cell cycle process

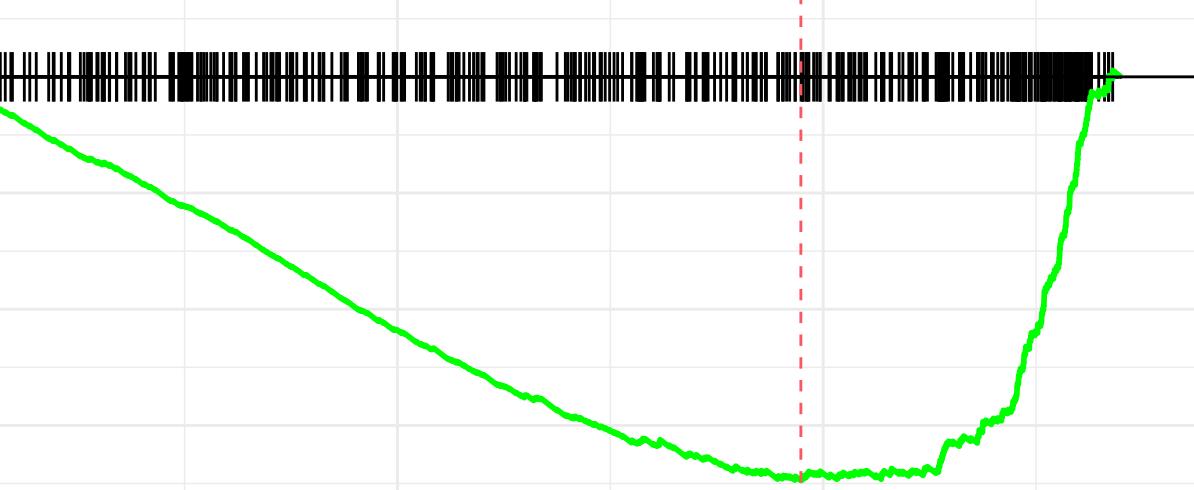
Ranked List Metric



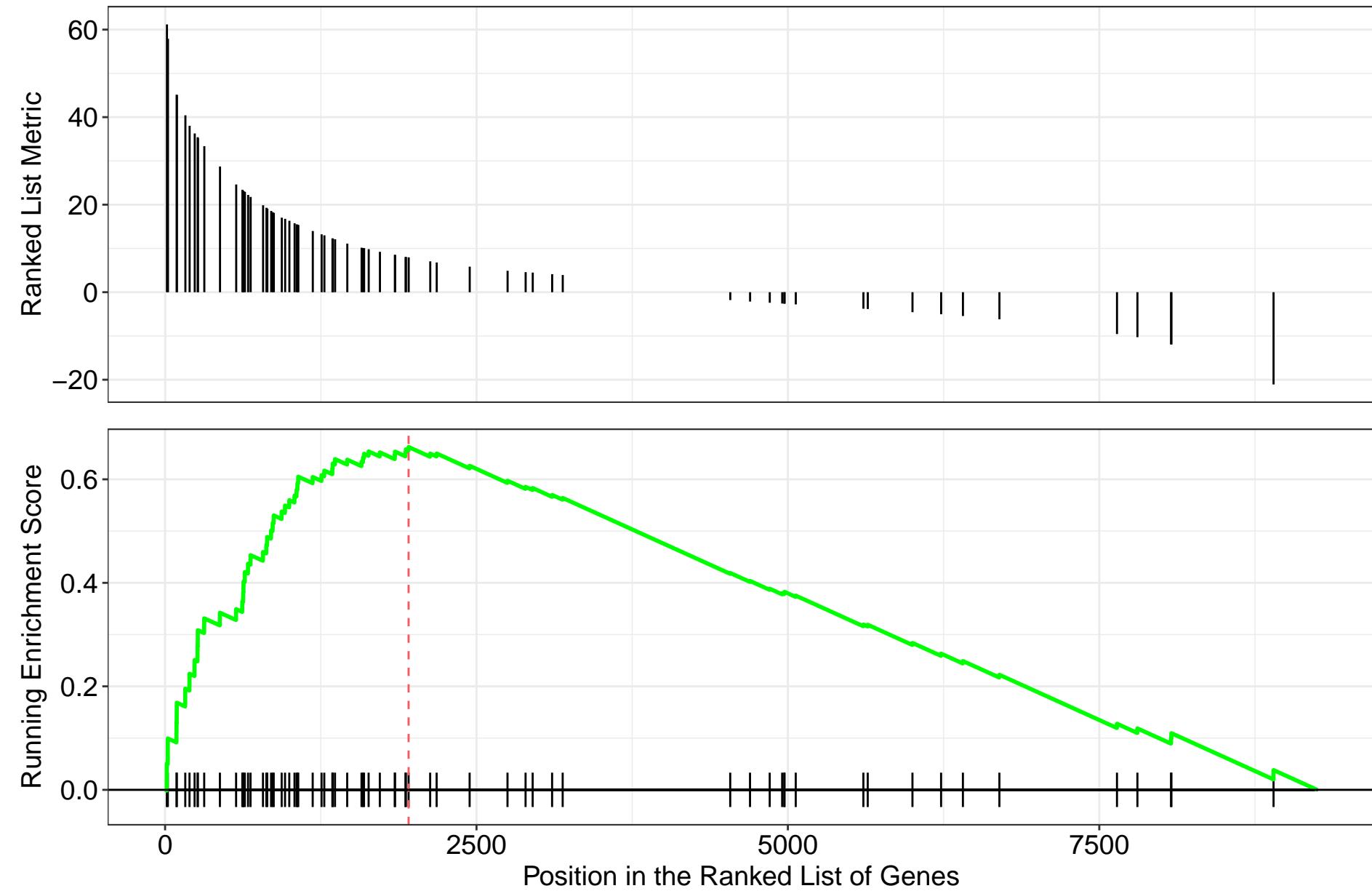
Running Enrichment Score

0 2500 5000 7500

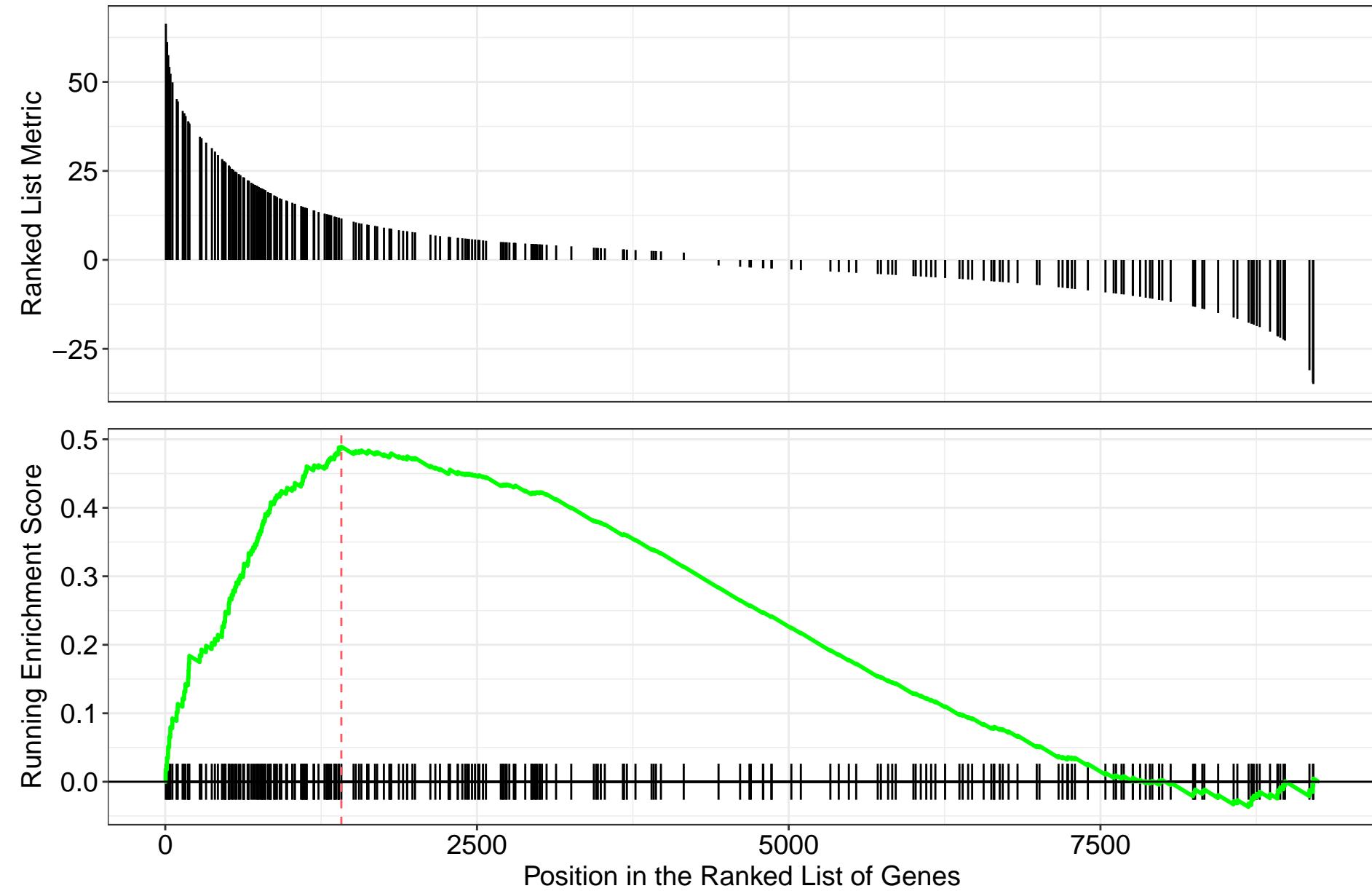
Position in the Ranked List of Genes



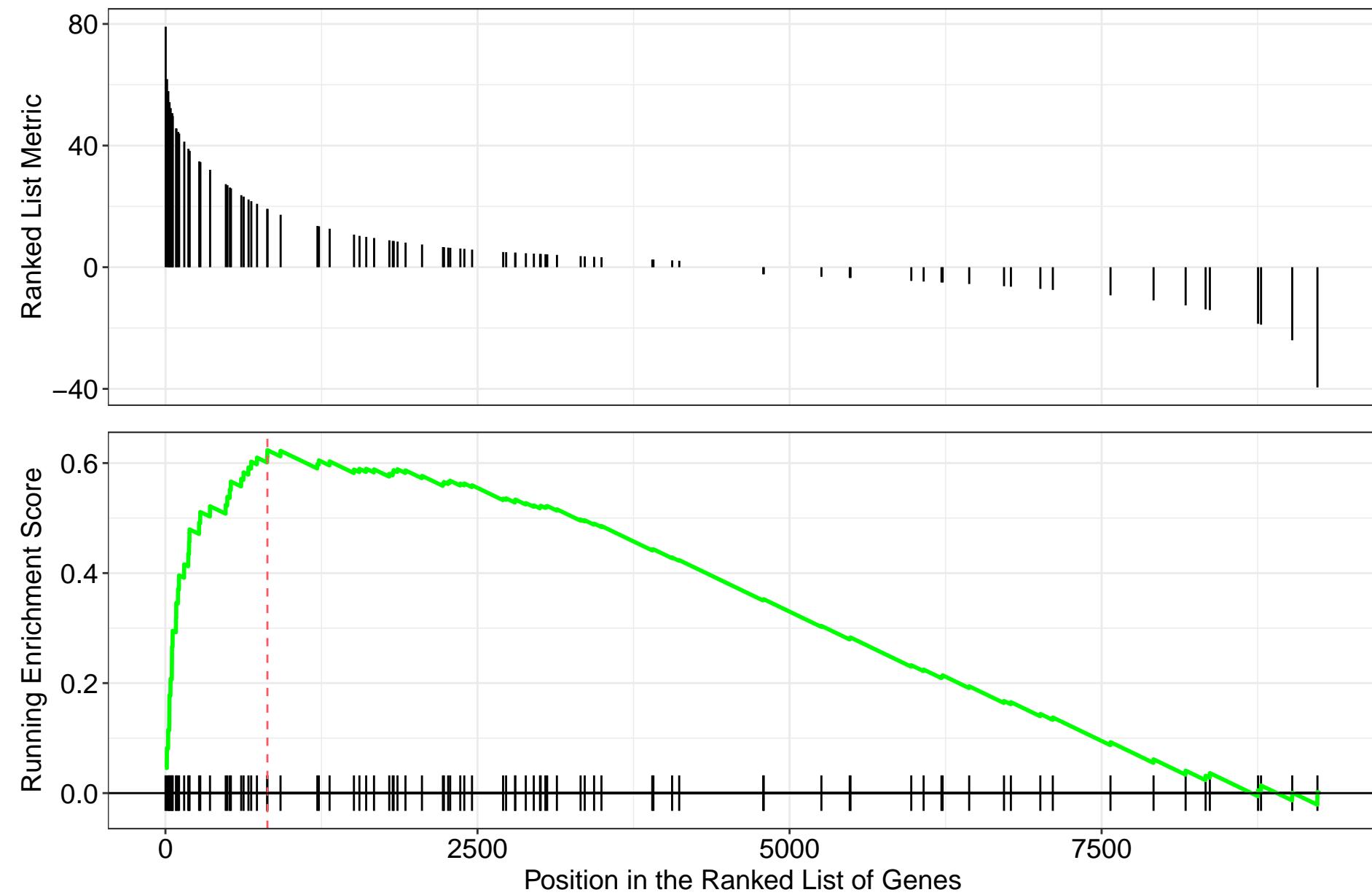
negative regulation of viral process



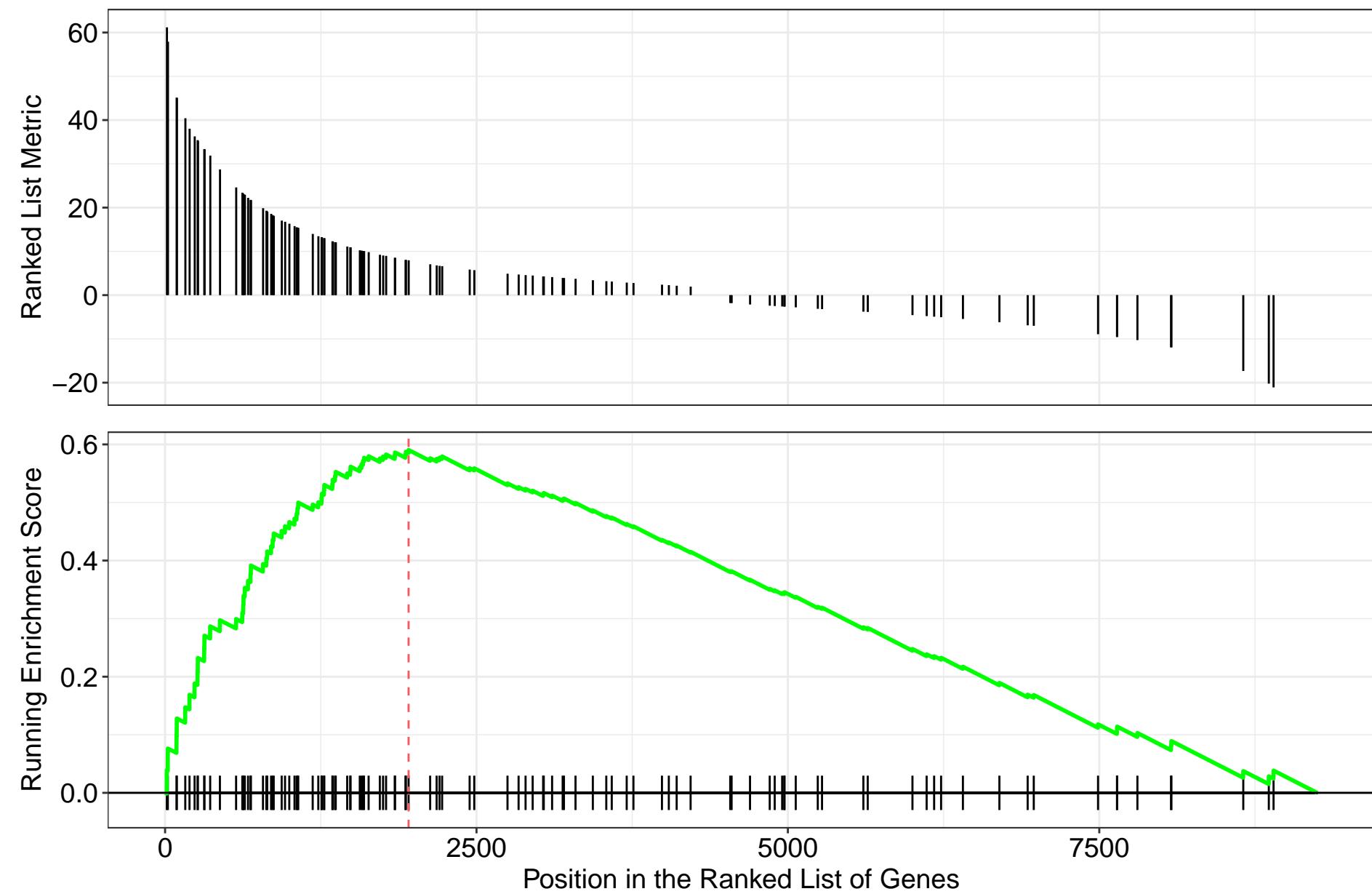
leukocyte mediated immunity



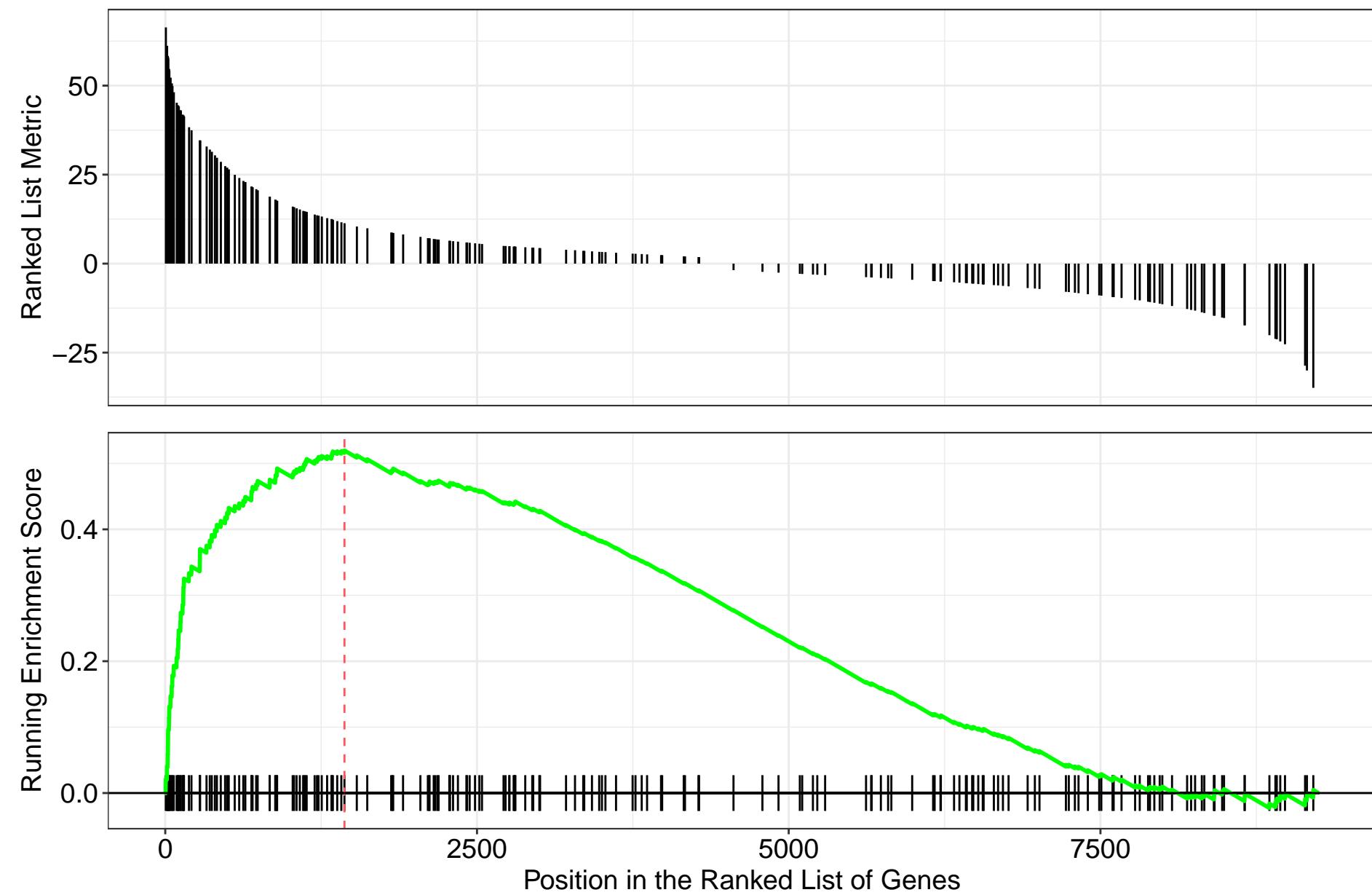
granulocyte migration



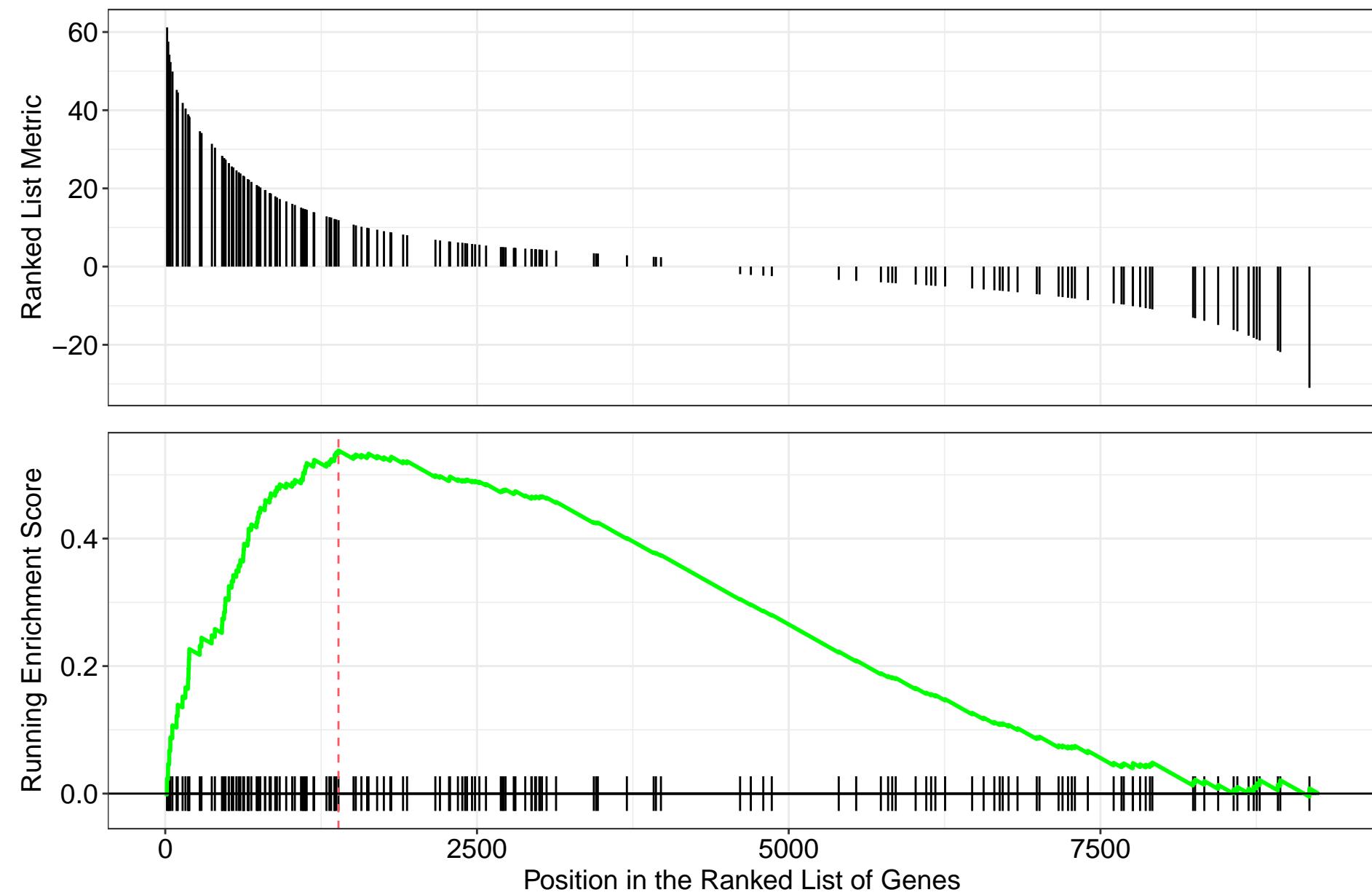
regulation of viral process



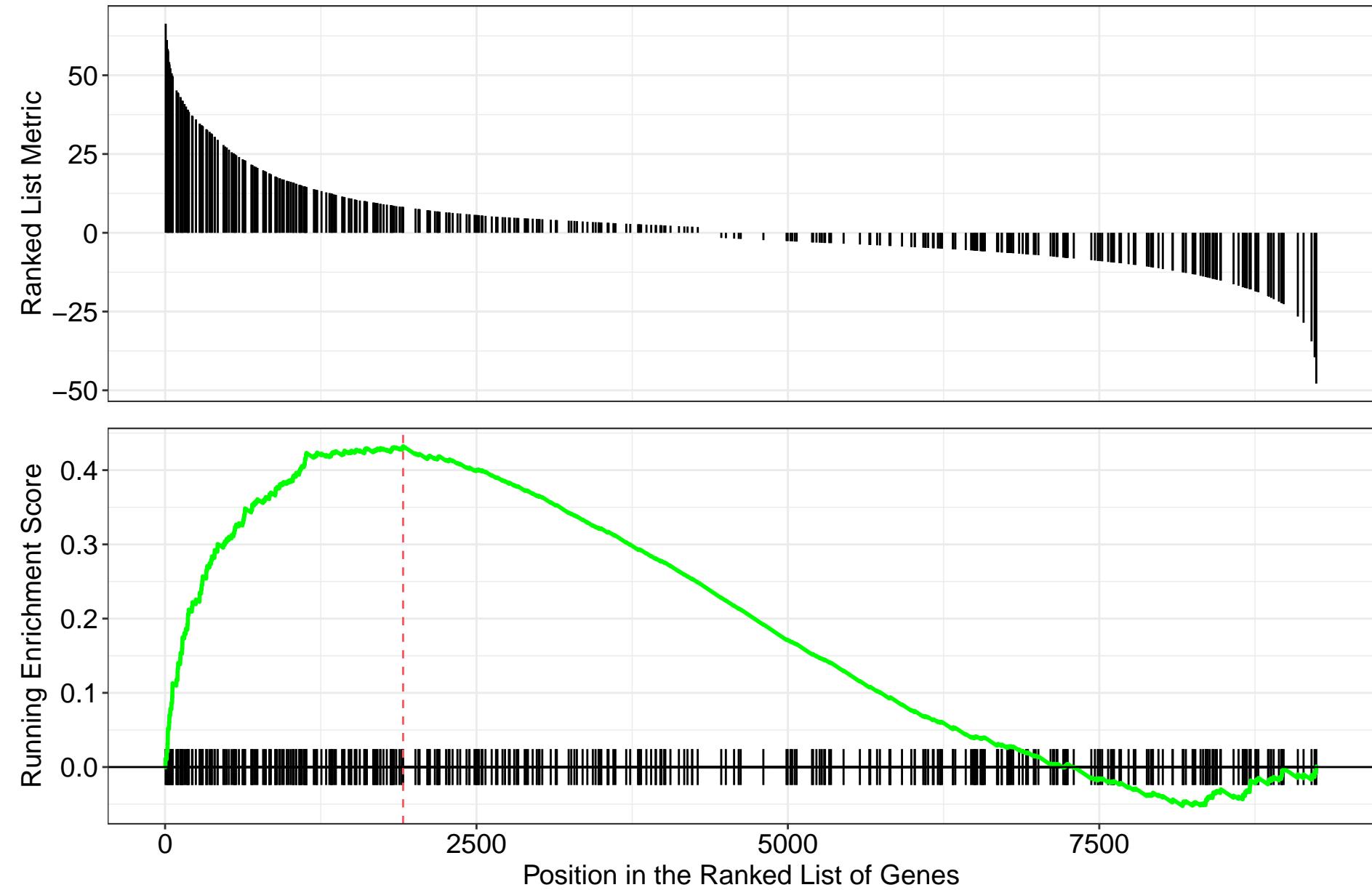
leukocyte proliferation



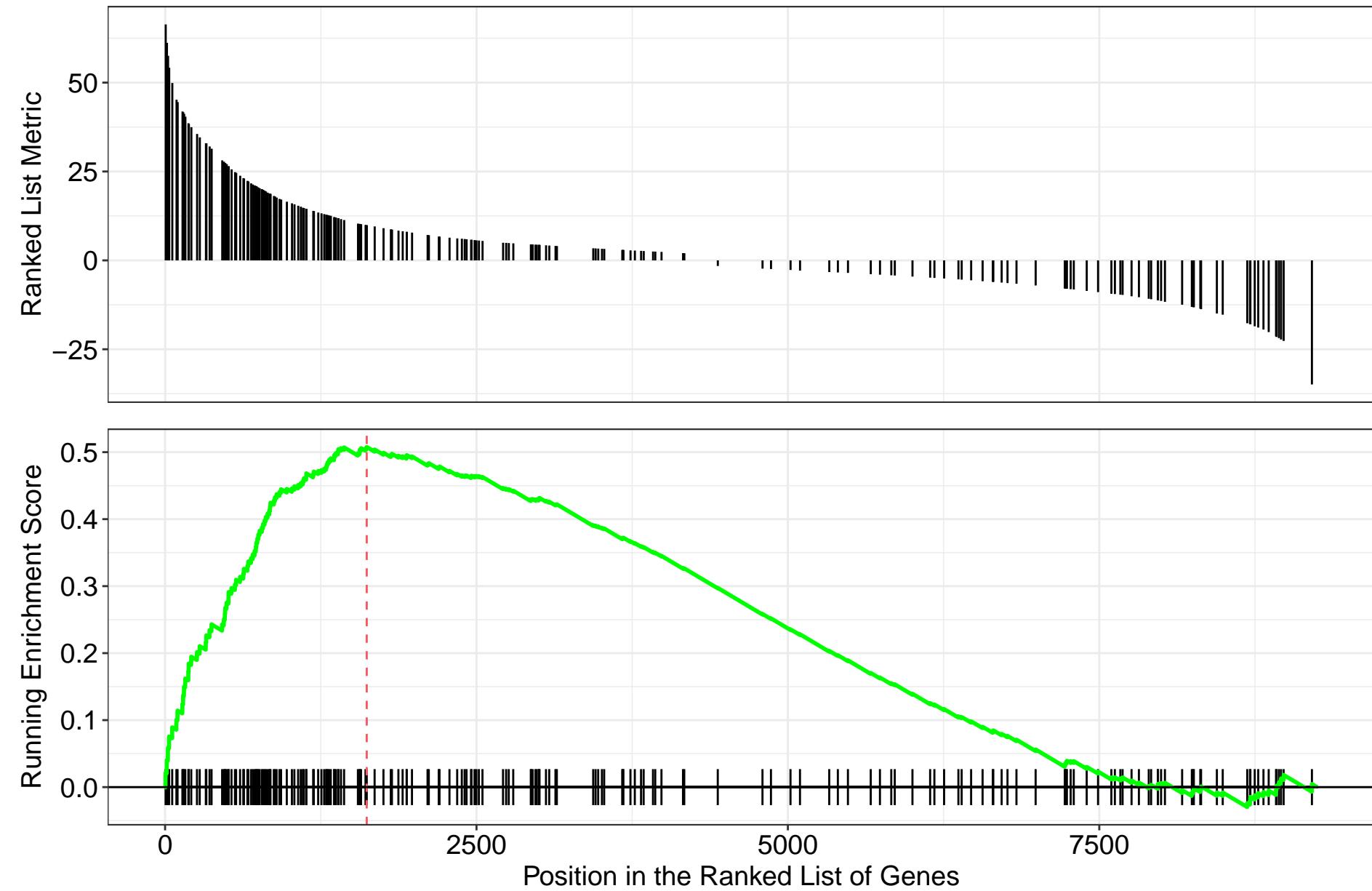
regulation of leukocyte mediated immunity



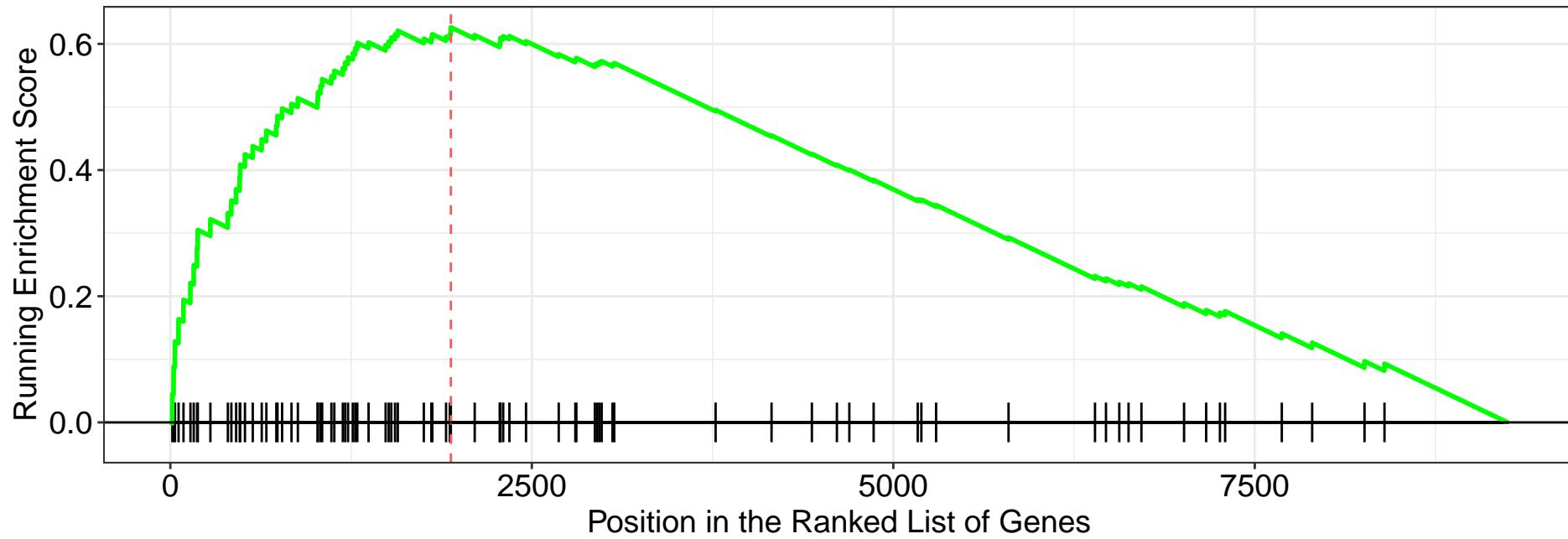
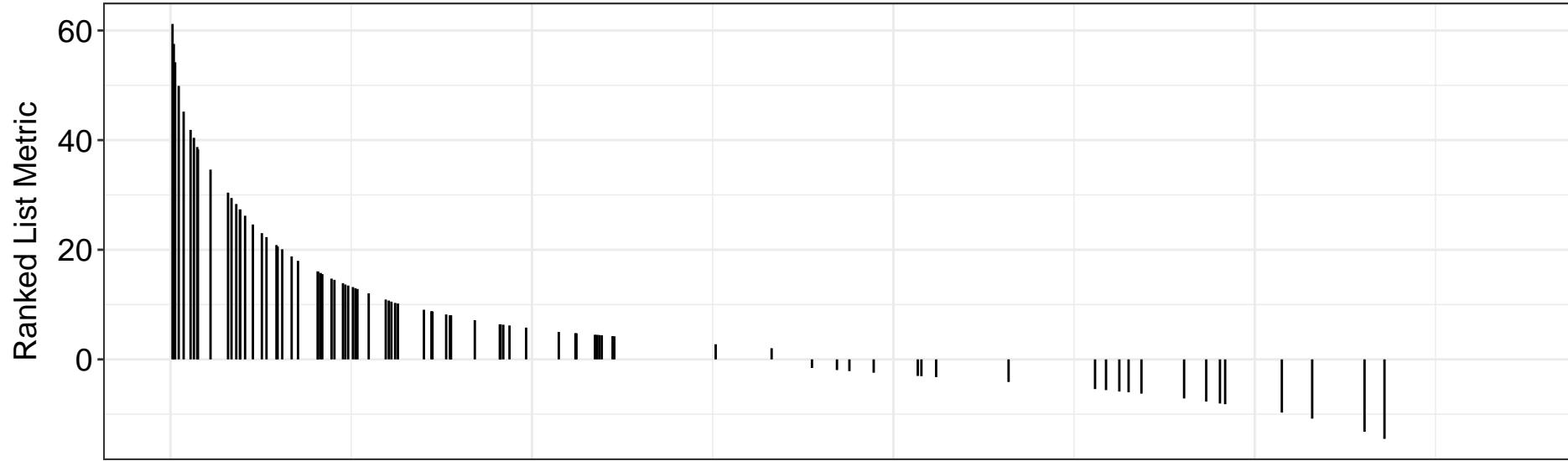
cell–cell adhesion



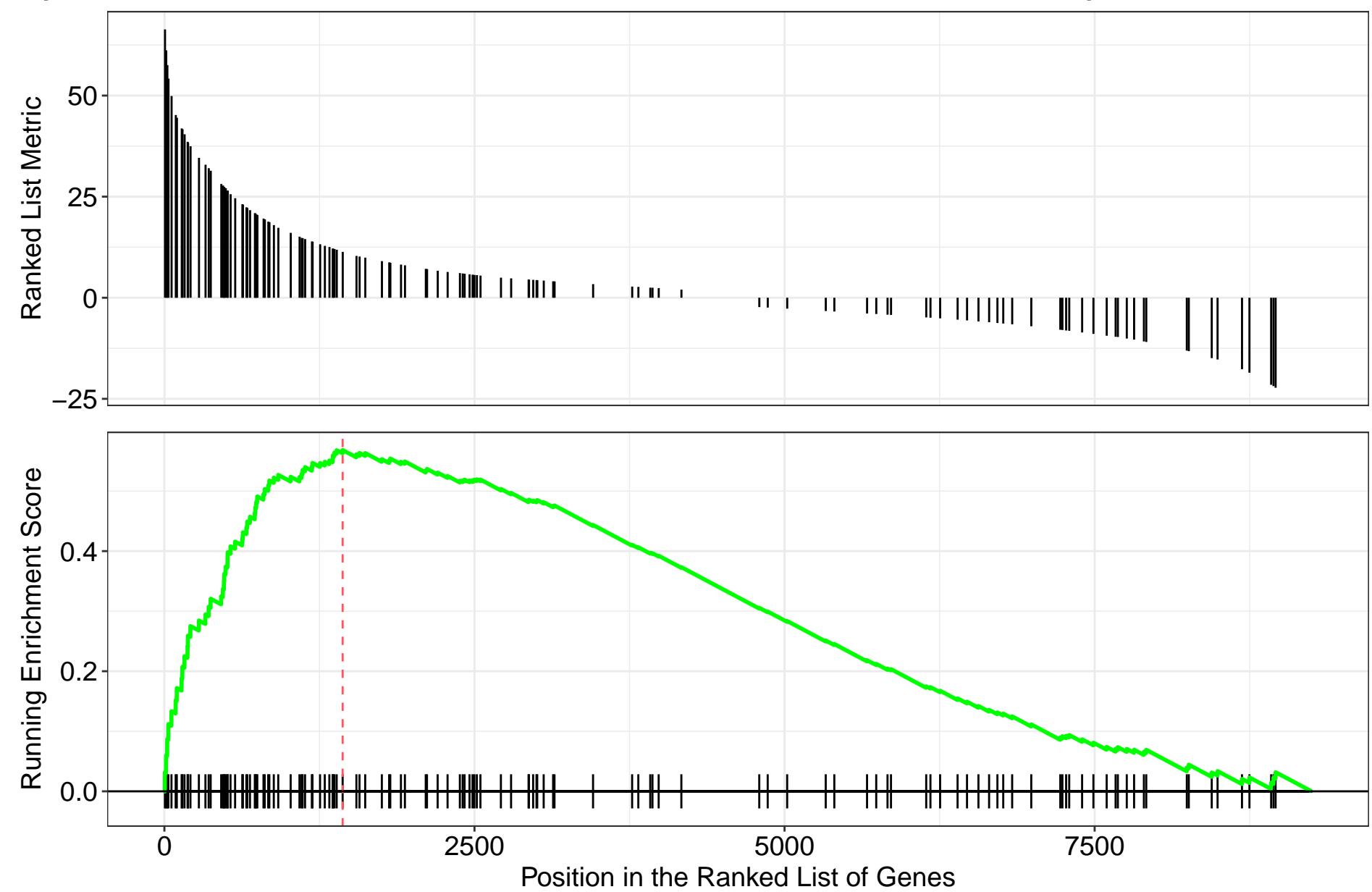
use based on somatic recombination of immune receptors built from immuno



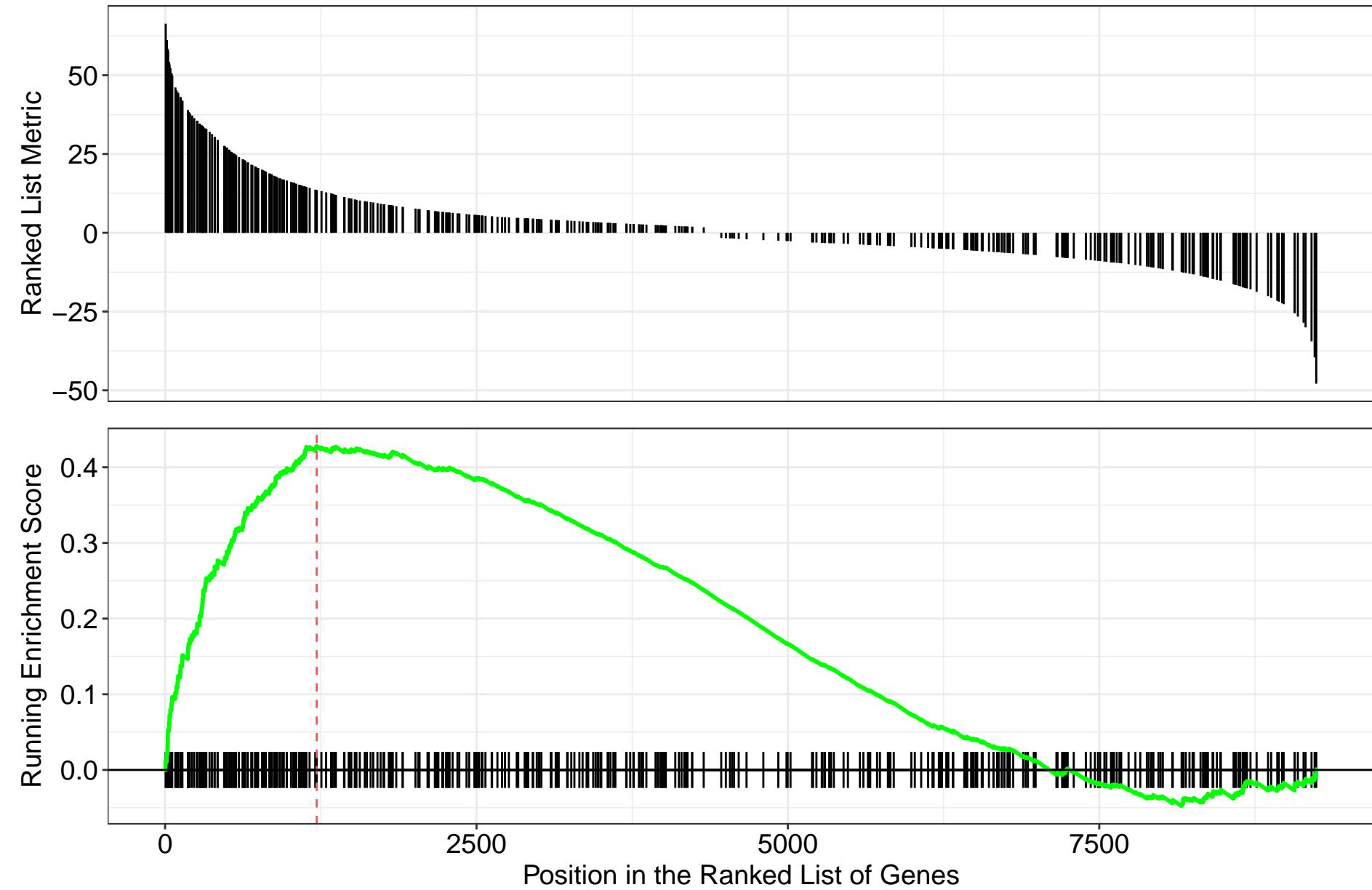
cytokine production involved in immune response



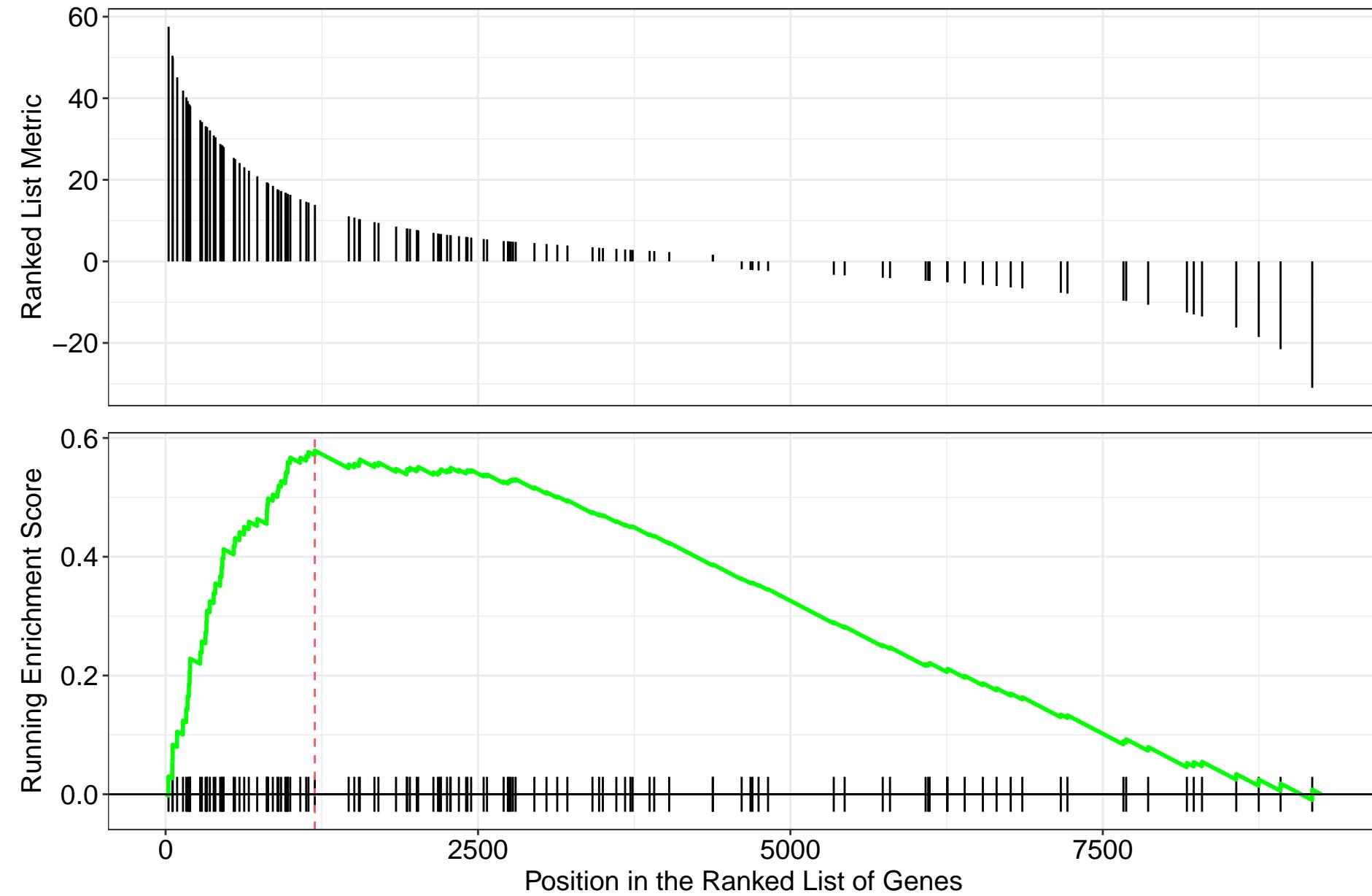
response based on somatic recombination of immune receptors built from i



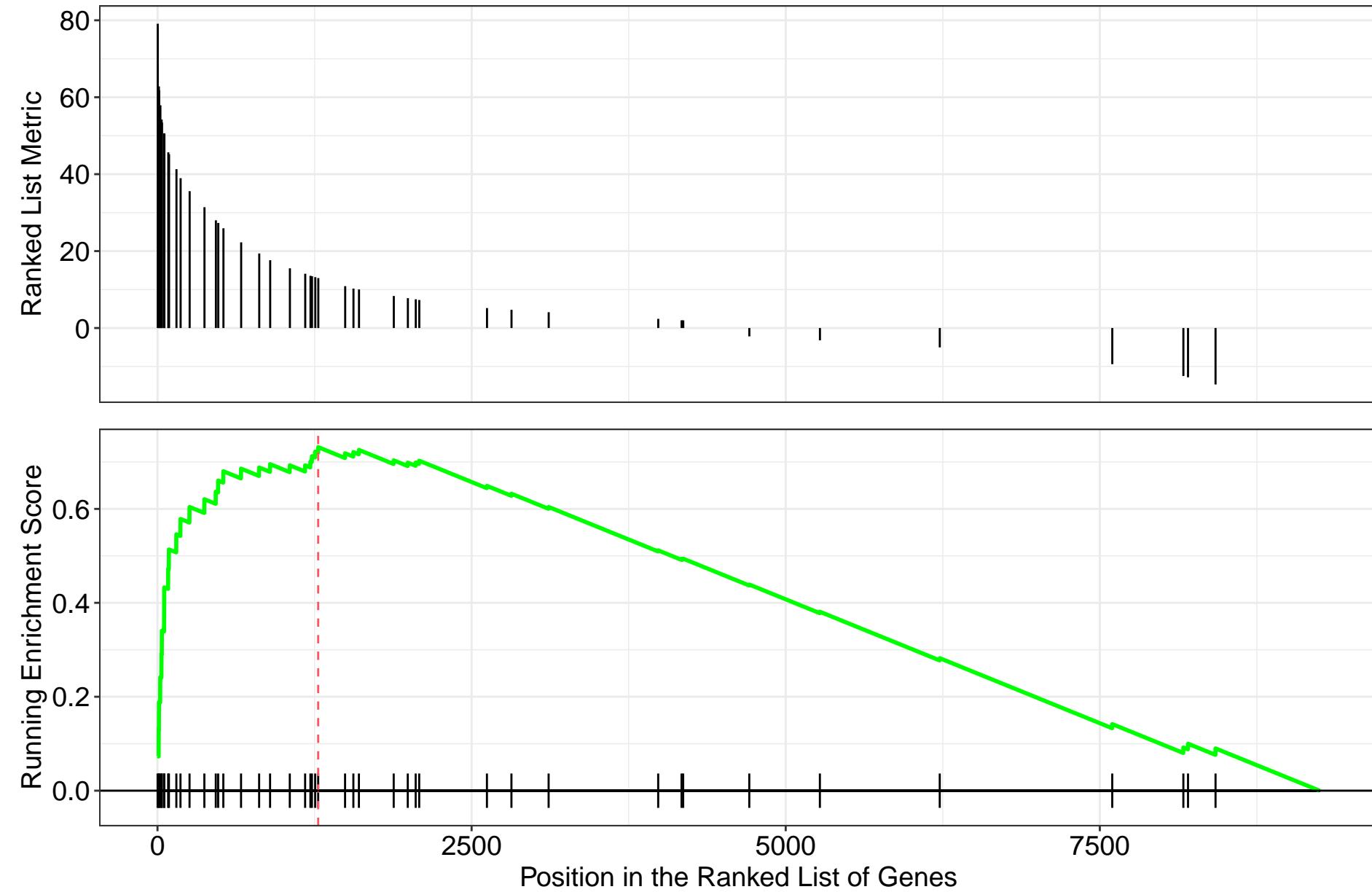
regulation of cell adhesion



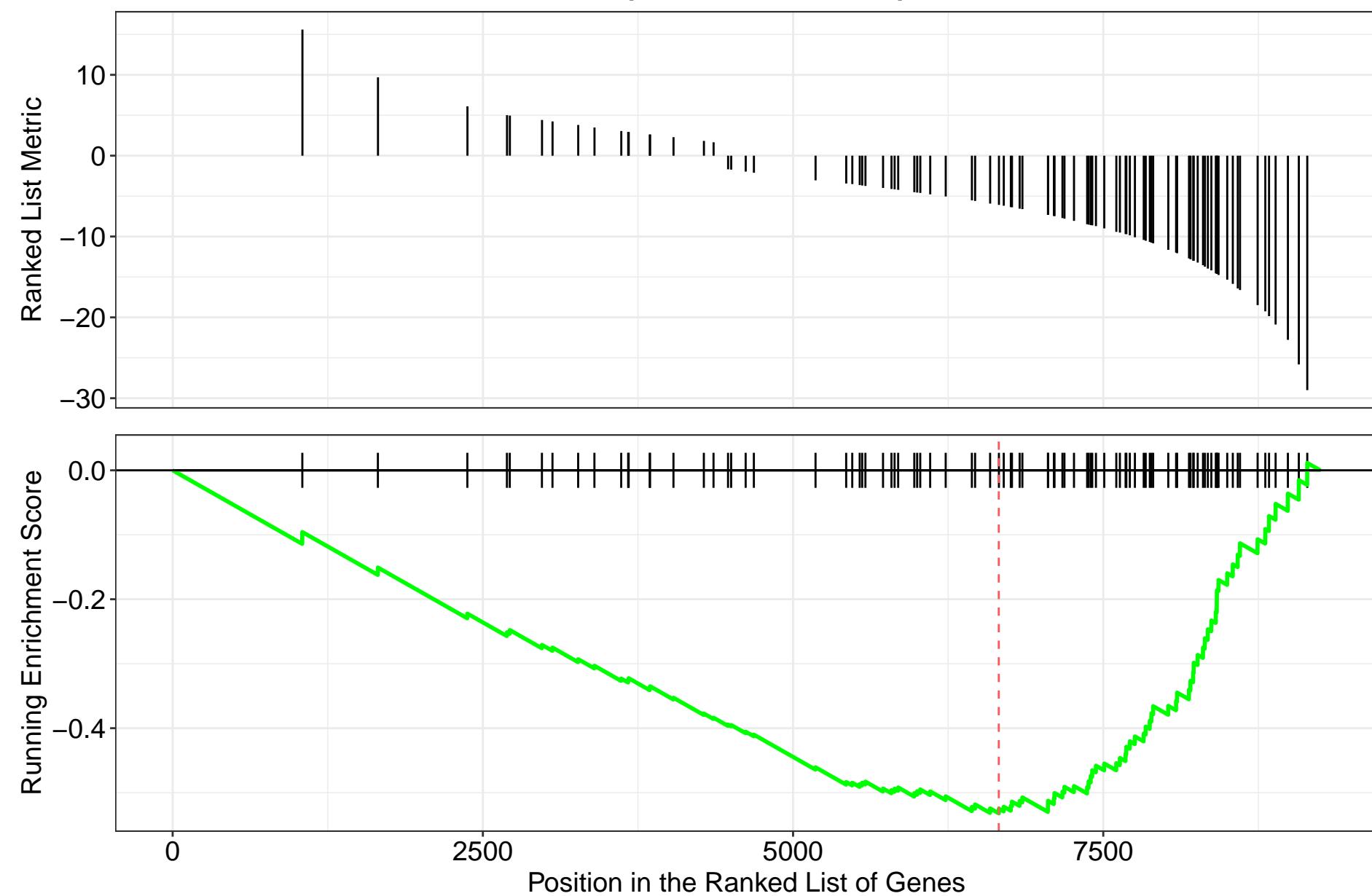
positive regulation of response to biotic stimulus



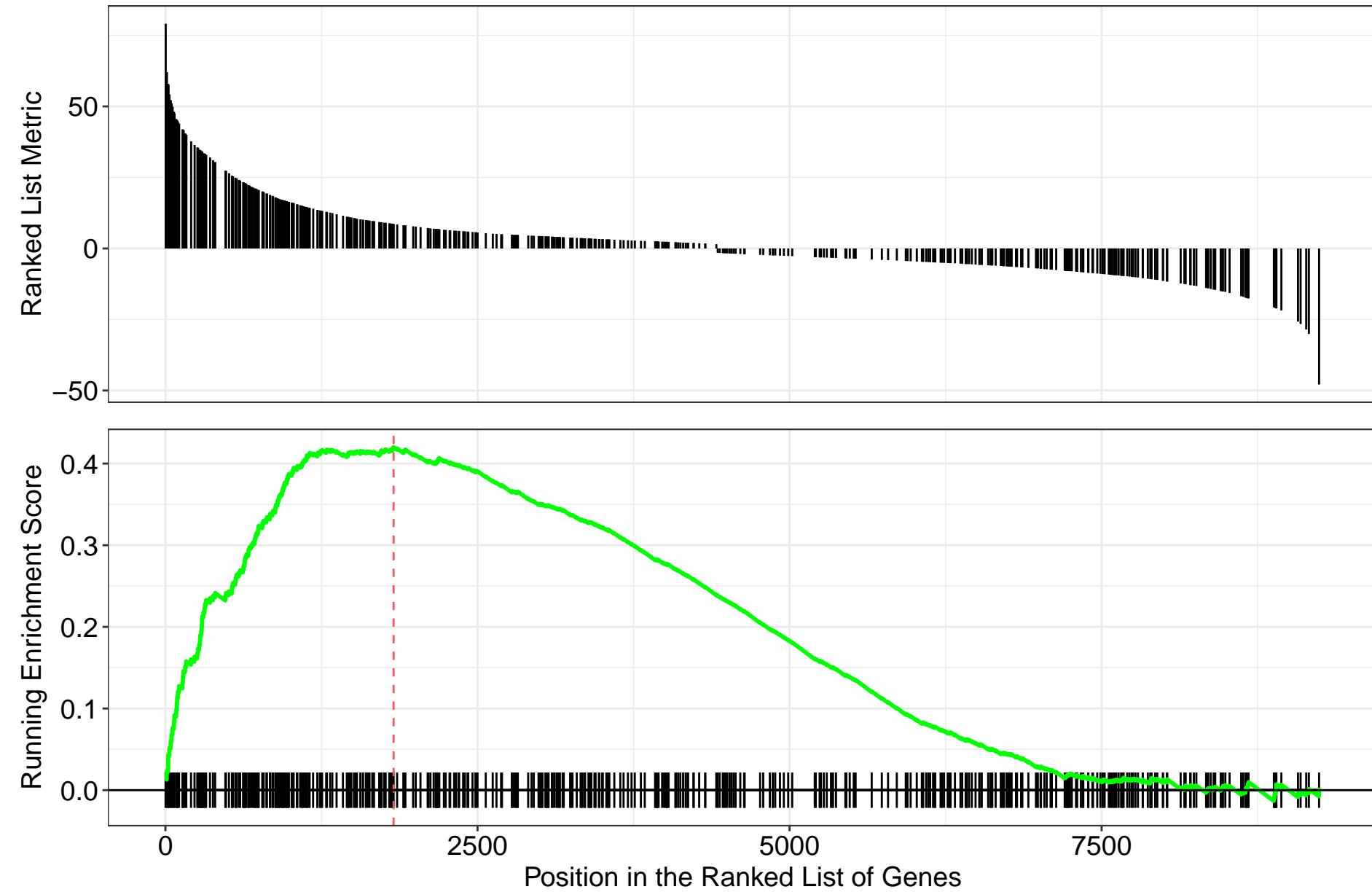
cellular response to interleukin-1



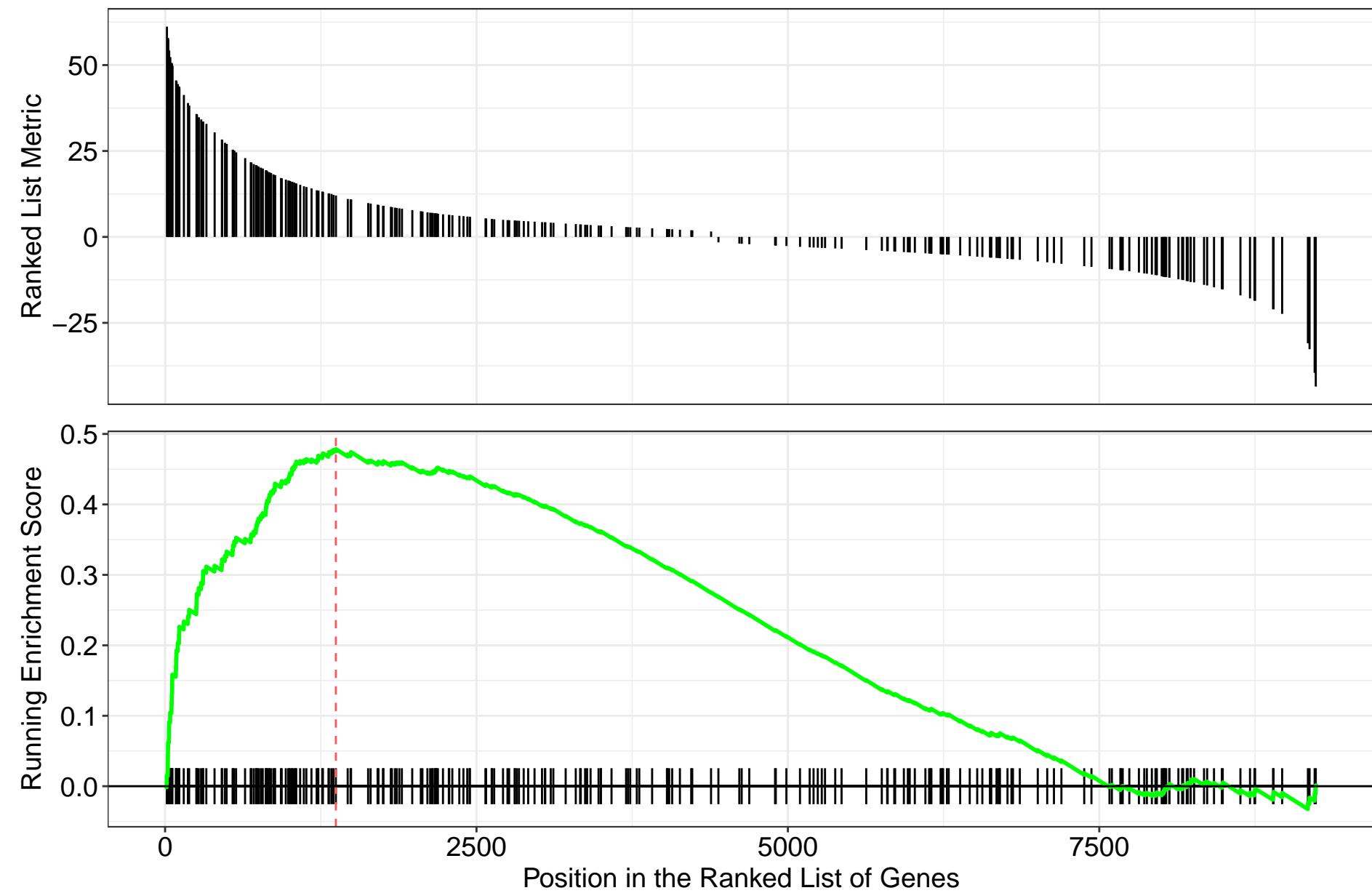
DNA–templated DNA replication



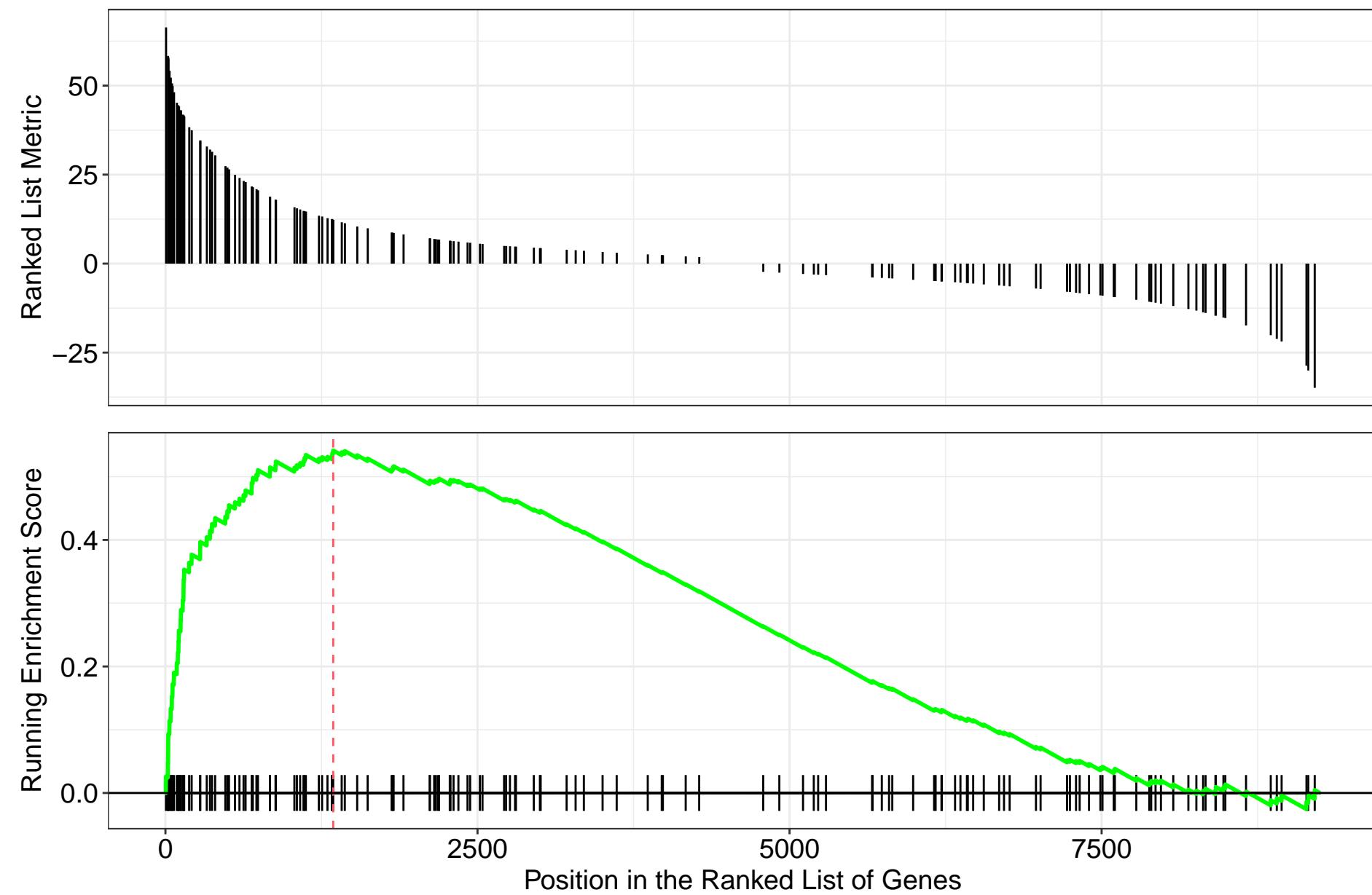
positive regulation of cell differentiation



cellular response to lipid

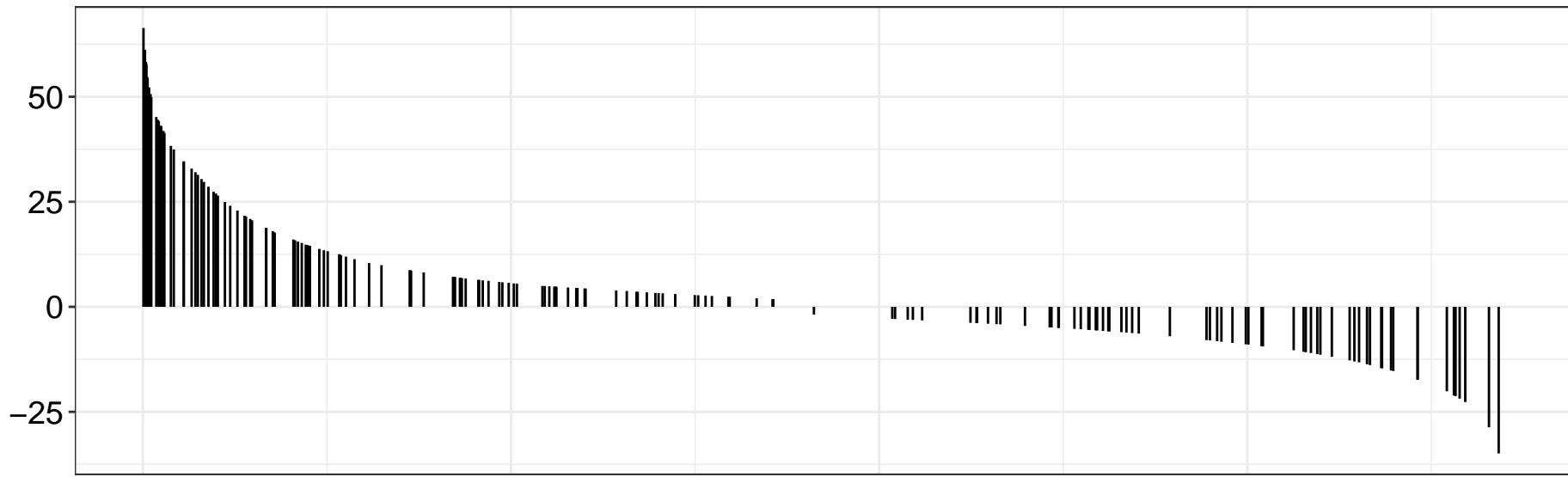


regulation of leukocyte proliferation



lymphocyte proliferation

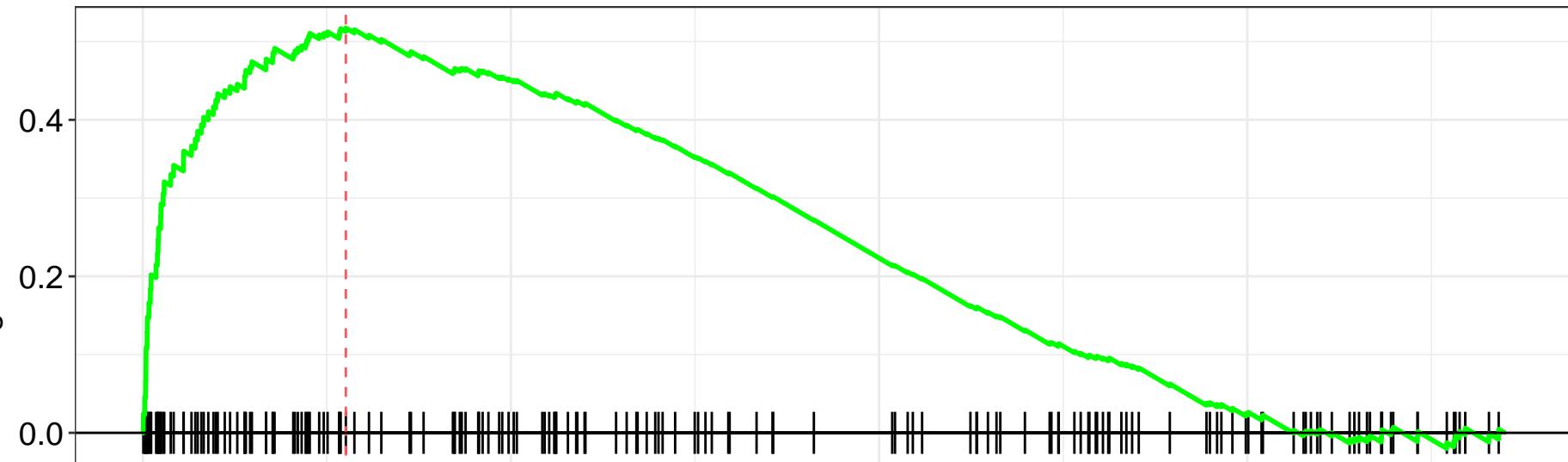
Ranked List Metric



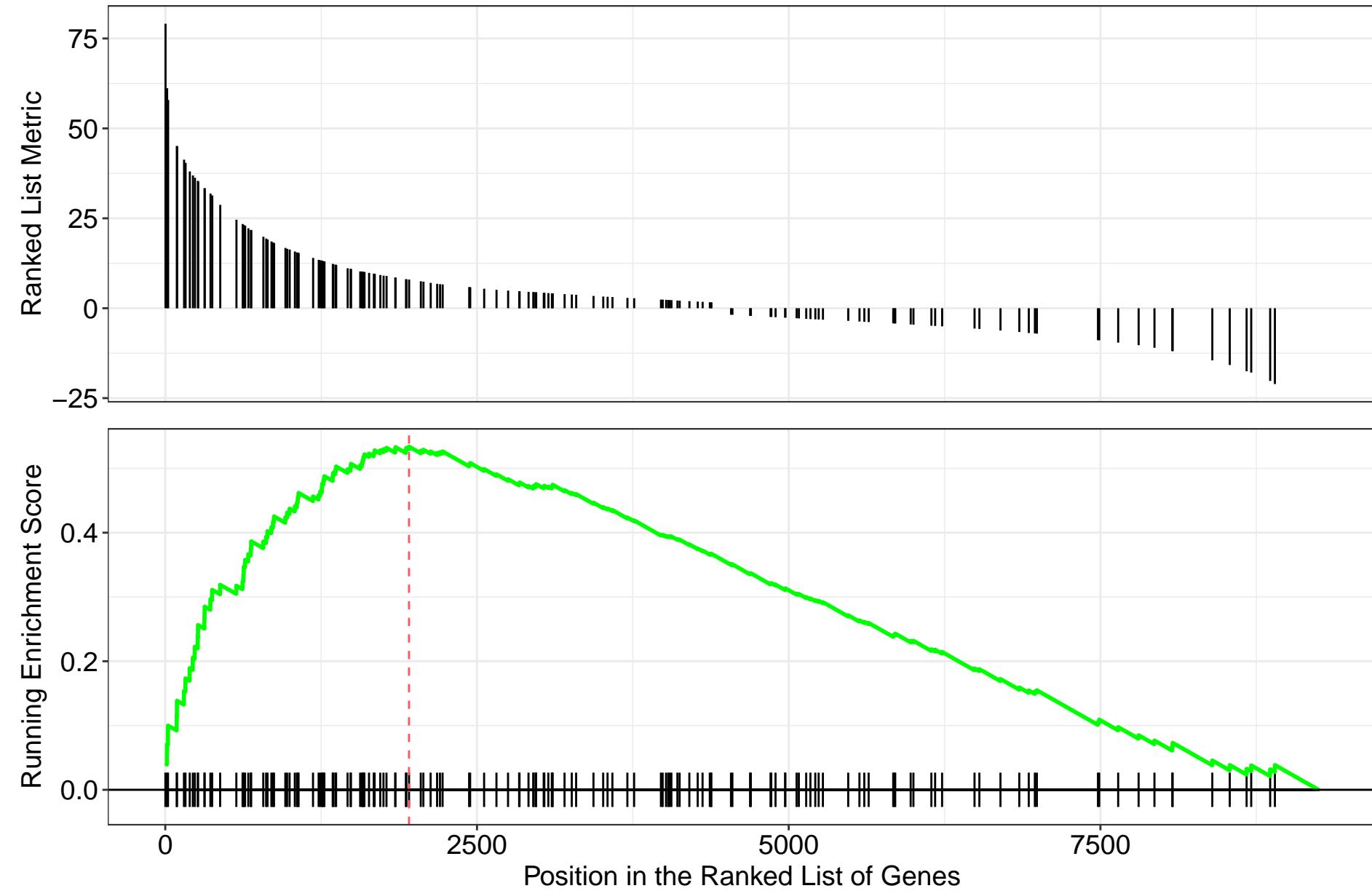
Running Enrichment Score

0 2500 5000 7500

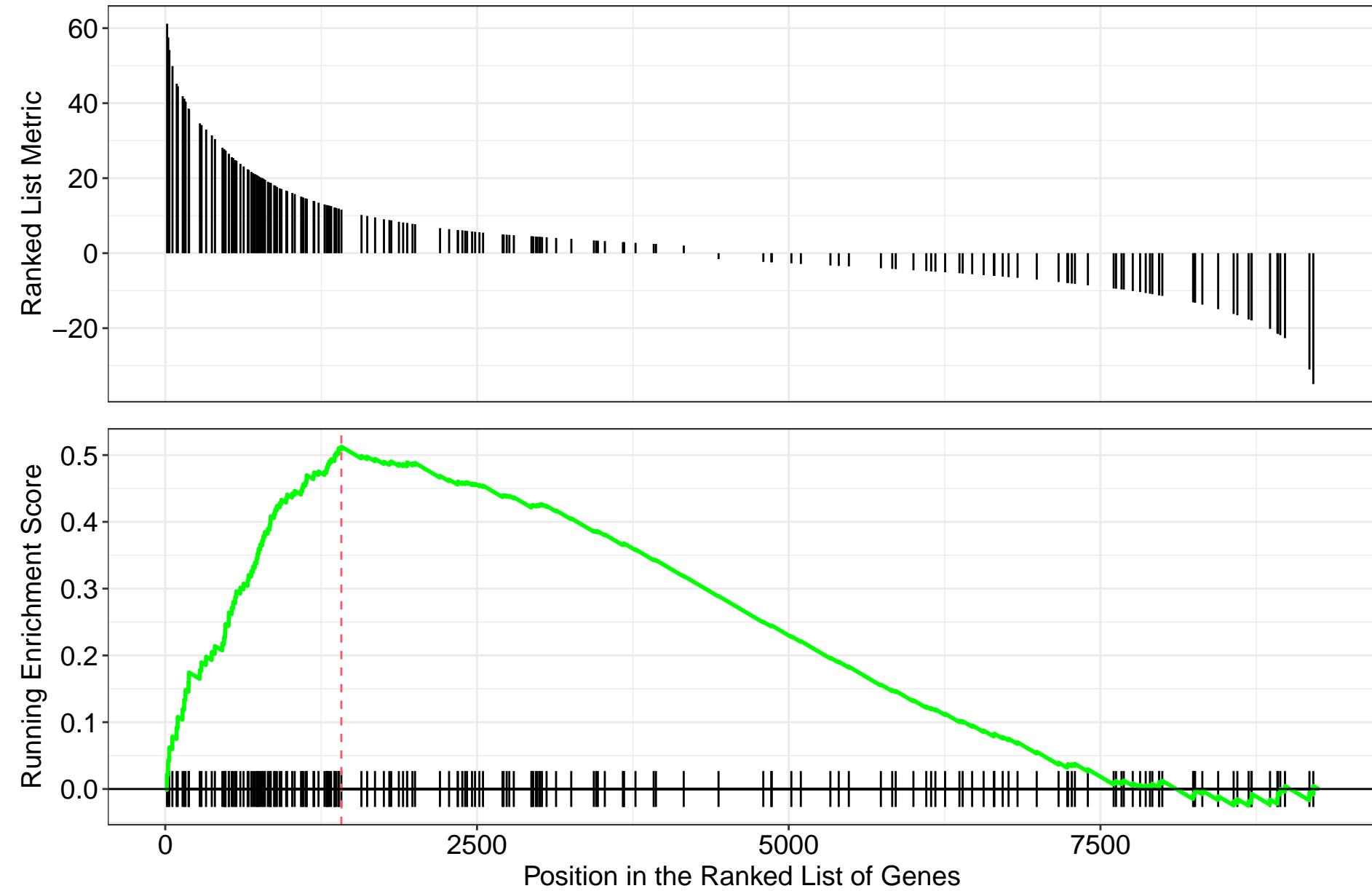
Position in the Ranked List of Genes



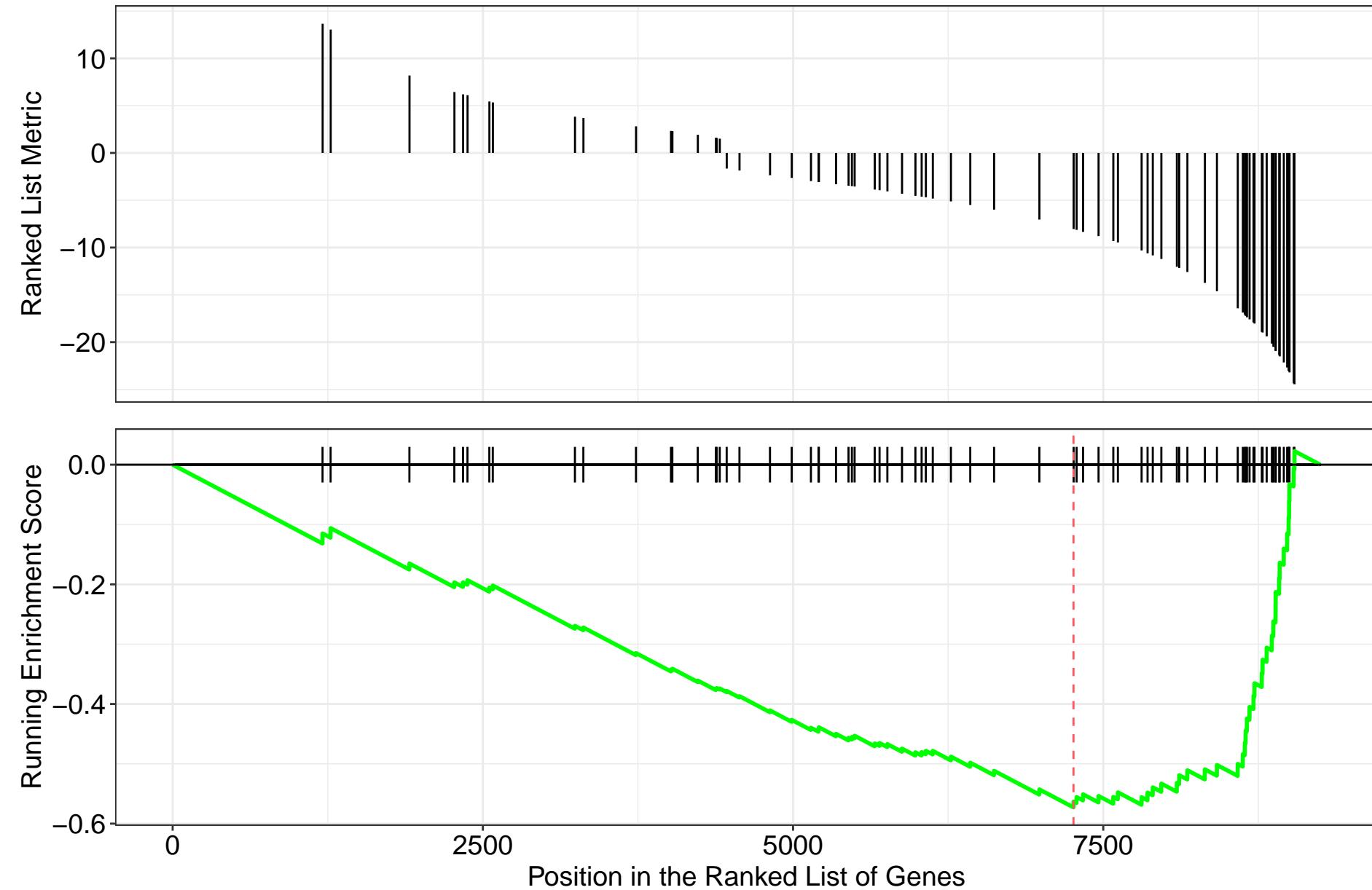
viral life cycle



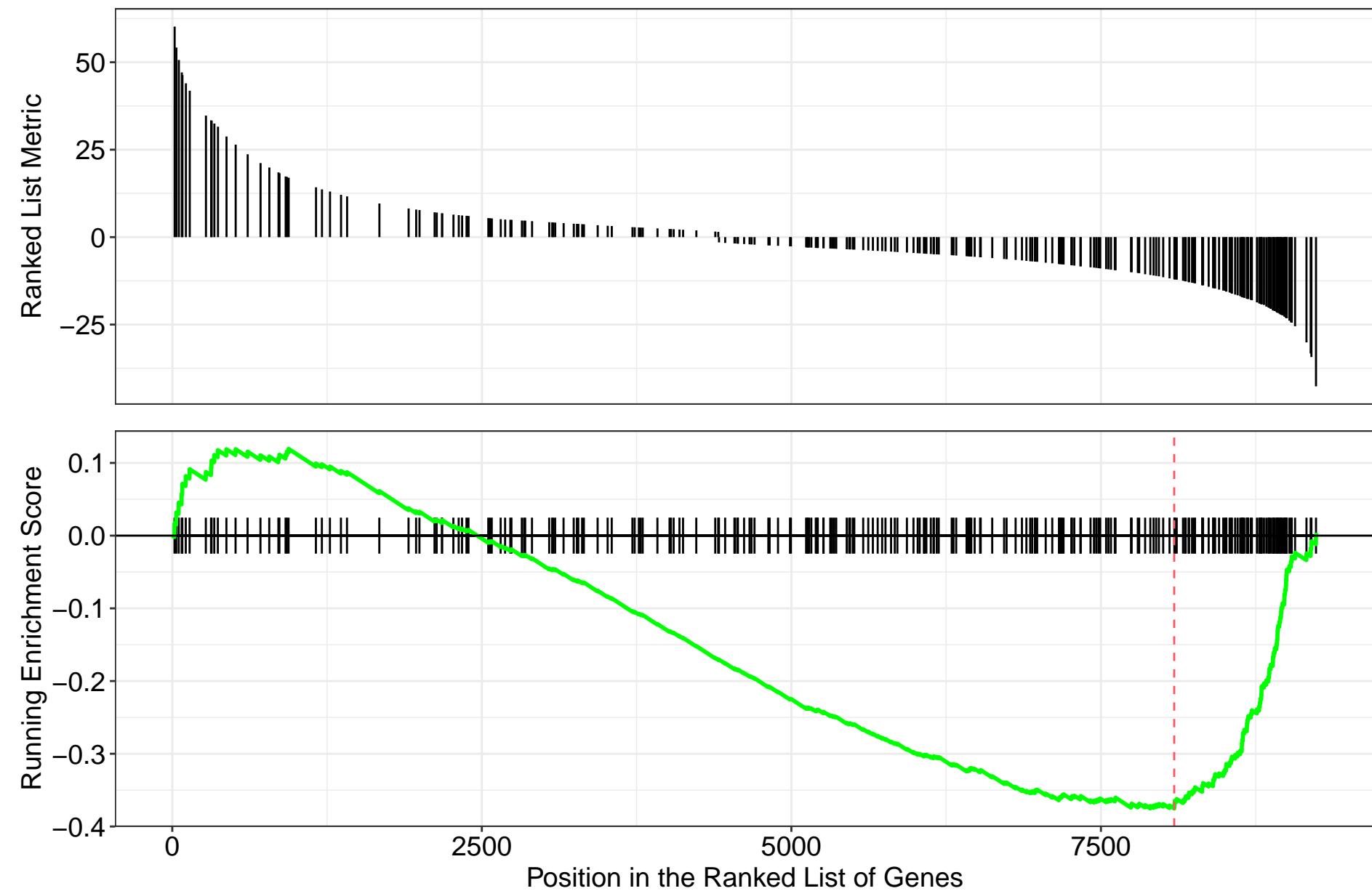
lymphocyte mediated immunity



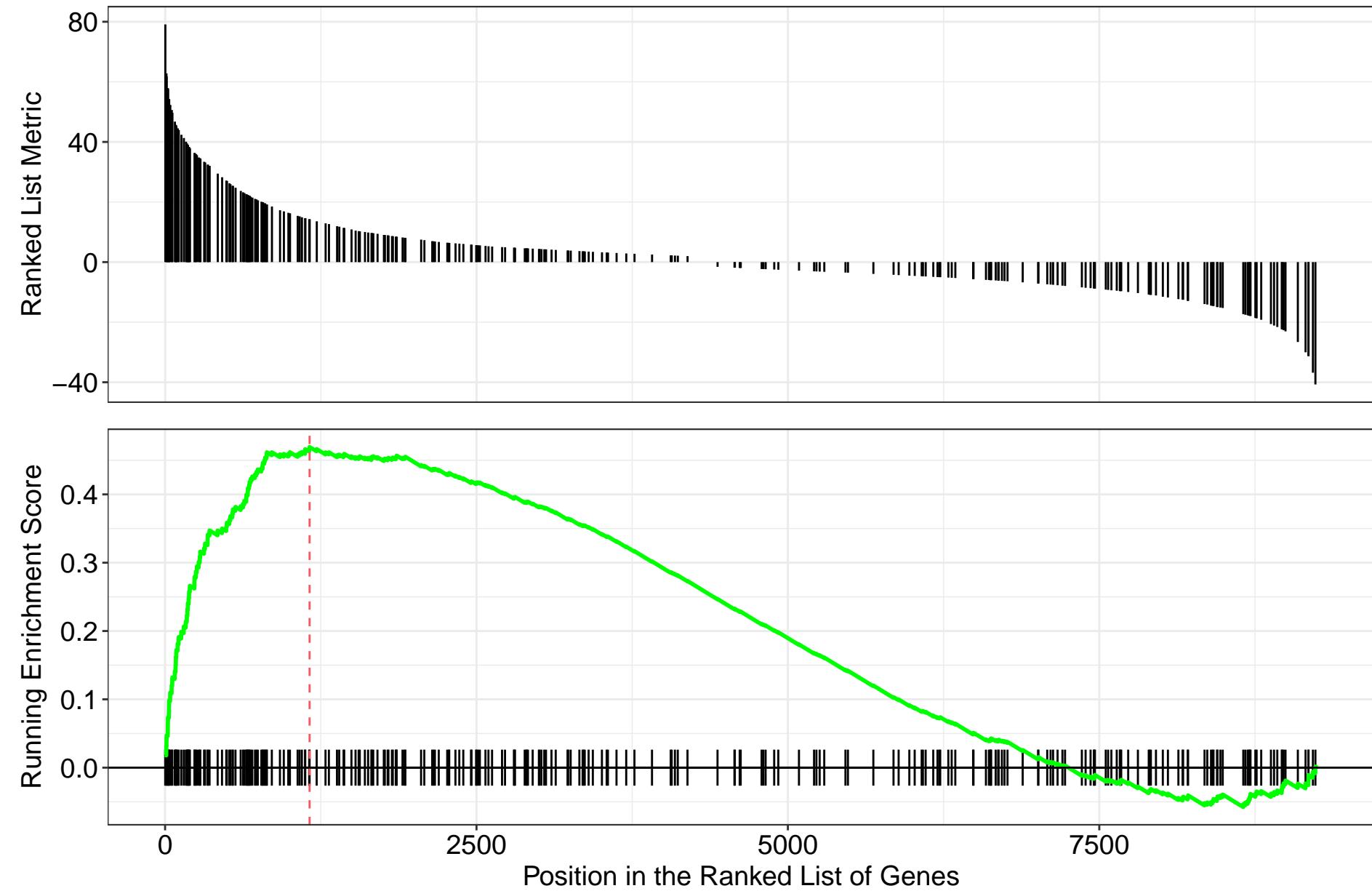
regulation of chromosome segregation



organelle fission

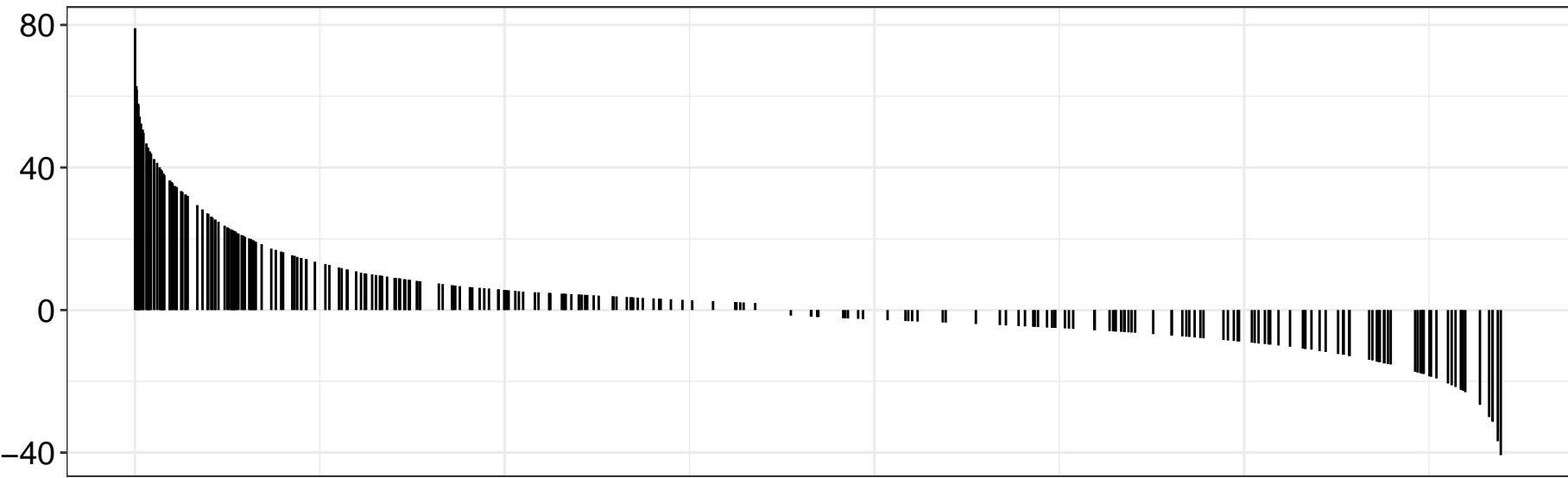


chemotaxis



taxis

Ranked List Metric



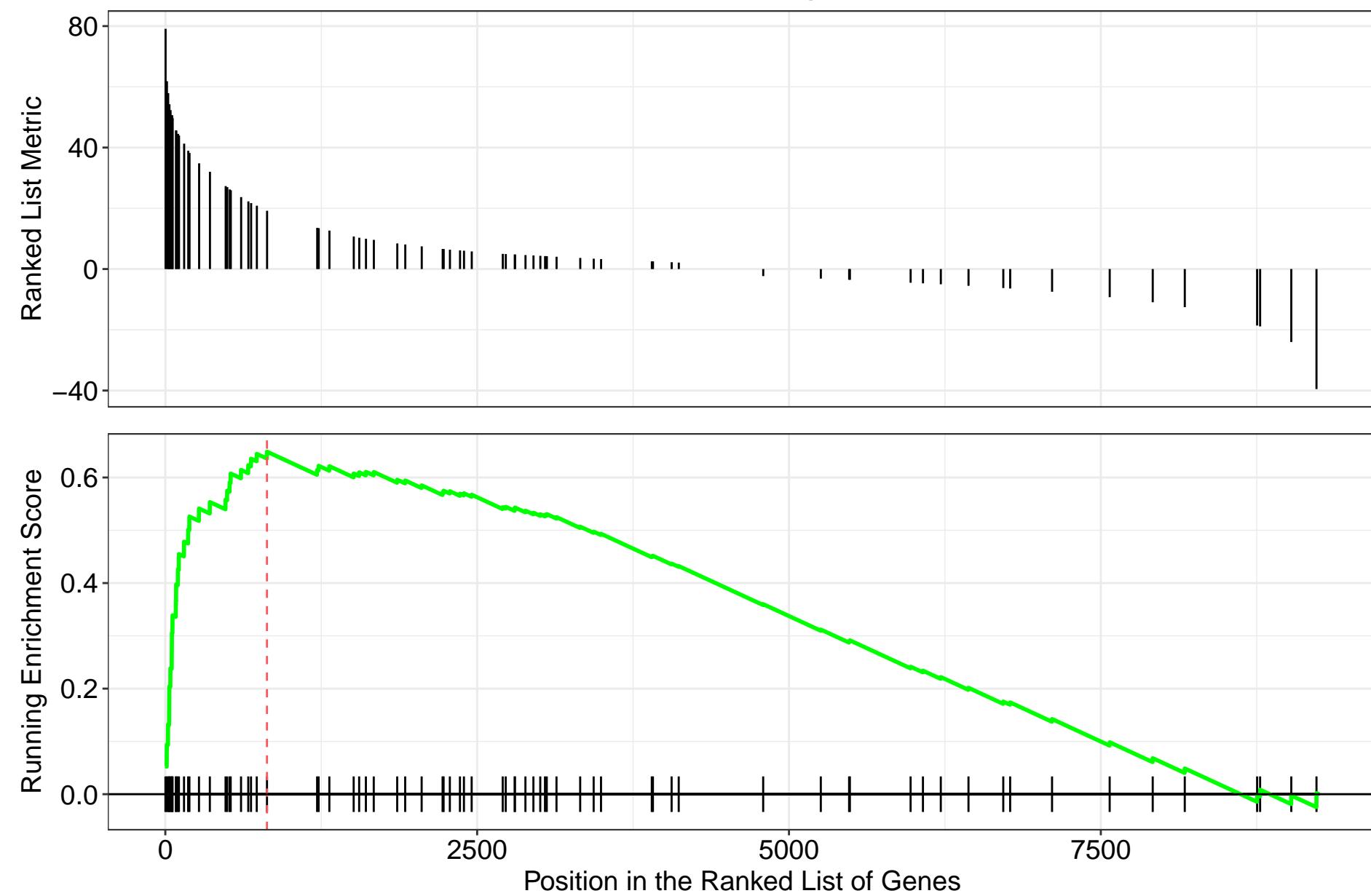
Running Enrichment Score

0 2500 5000 7500

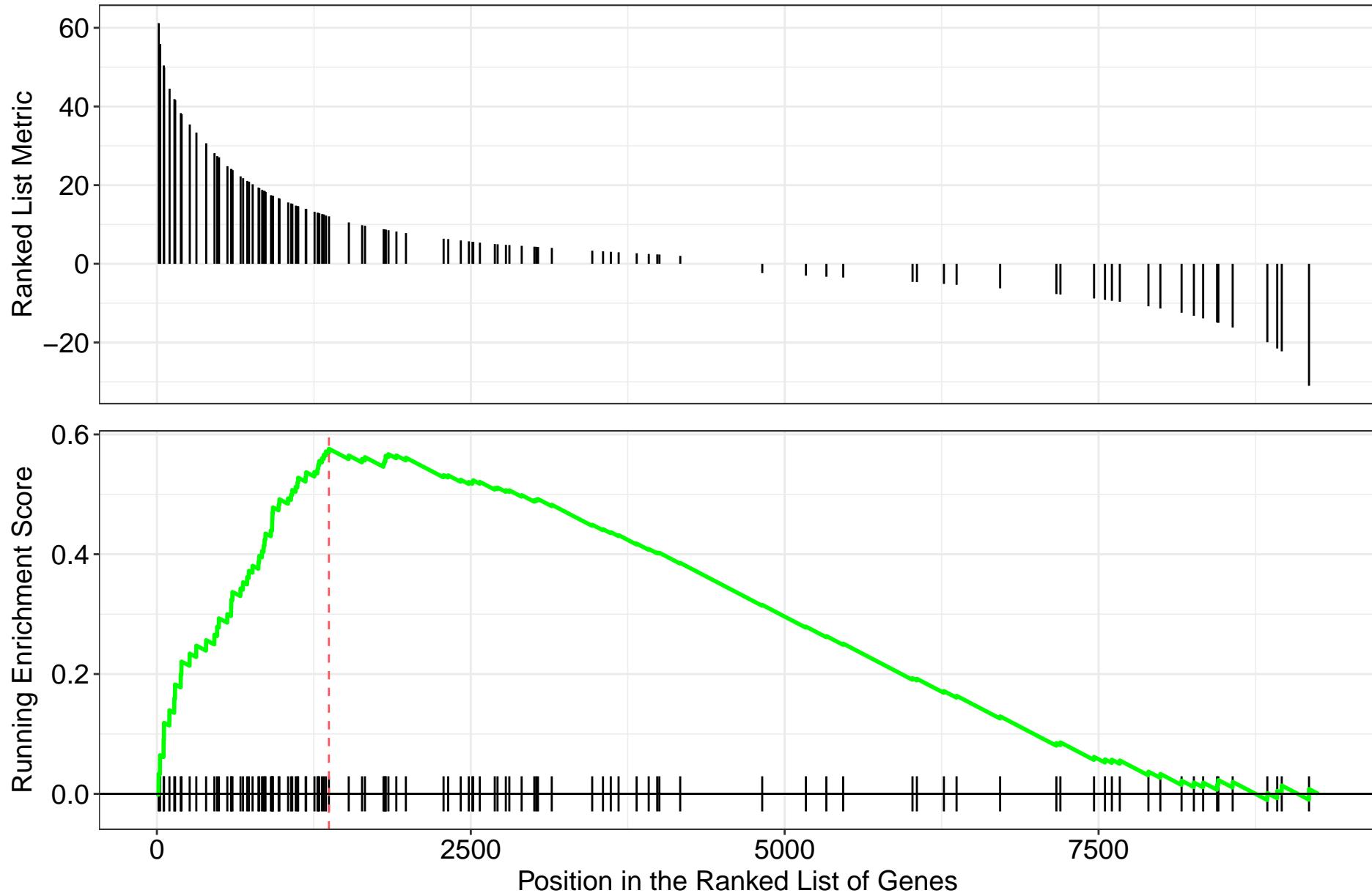
Position in the Ranked List of Genes



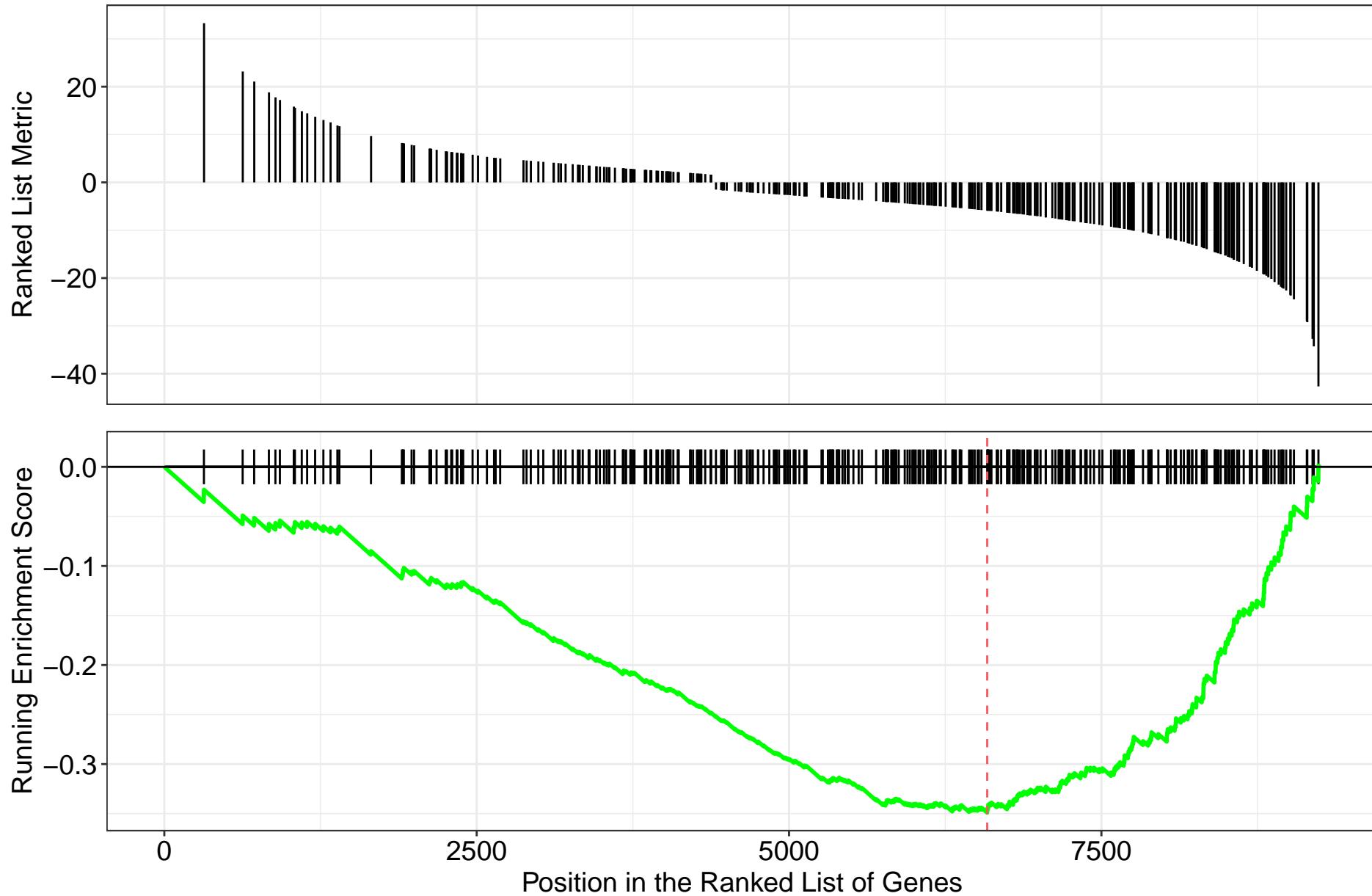
neutrophil migration



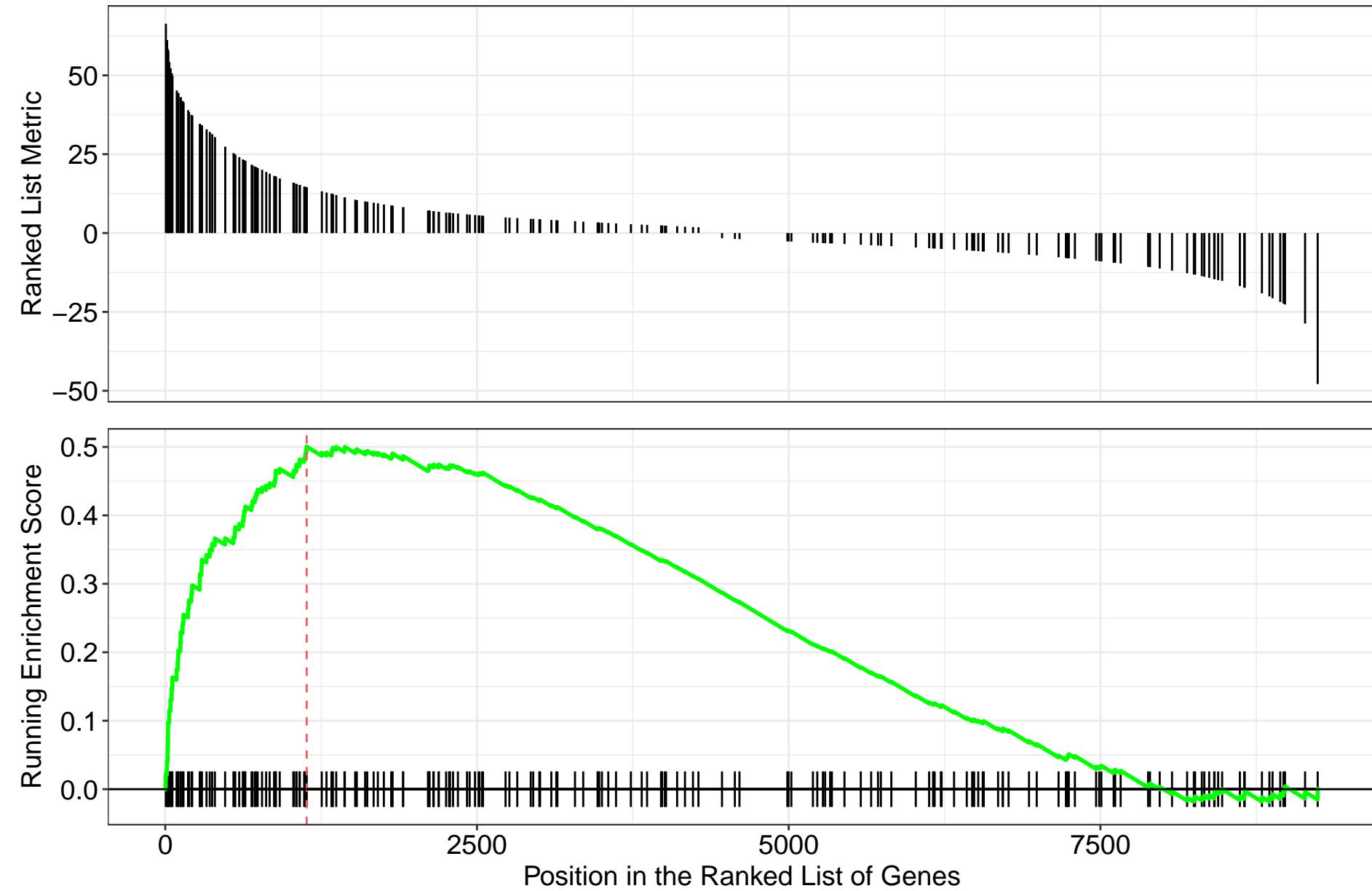
negative regulation of immune response



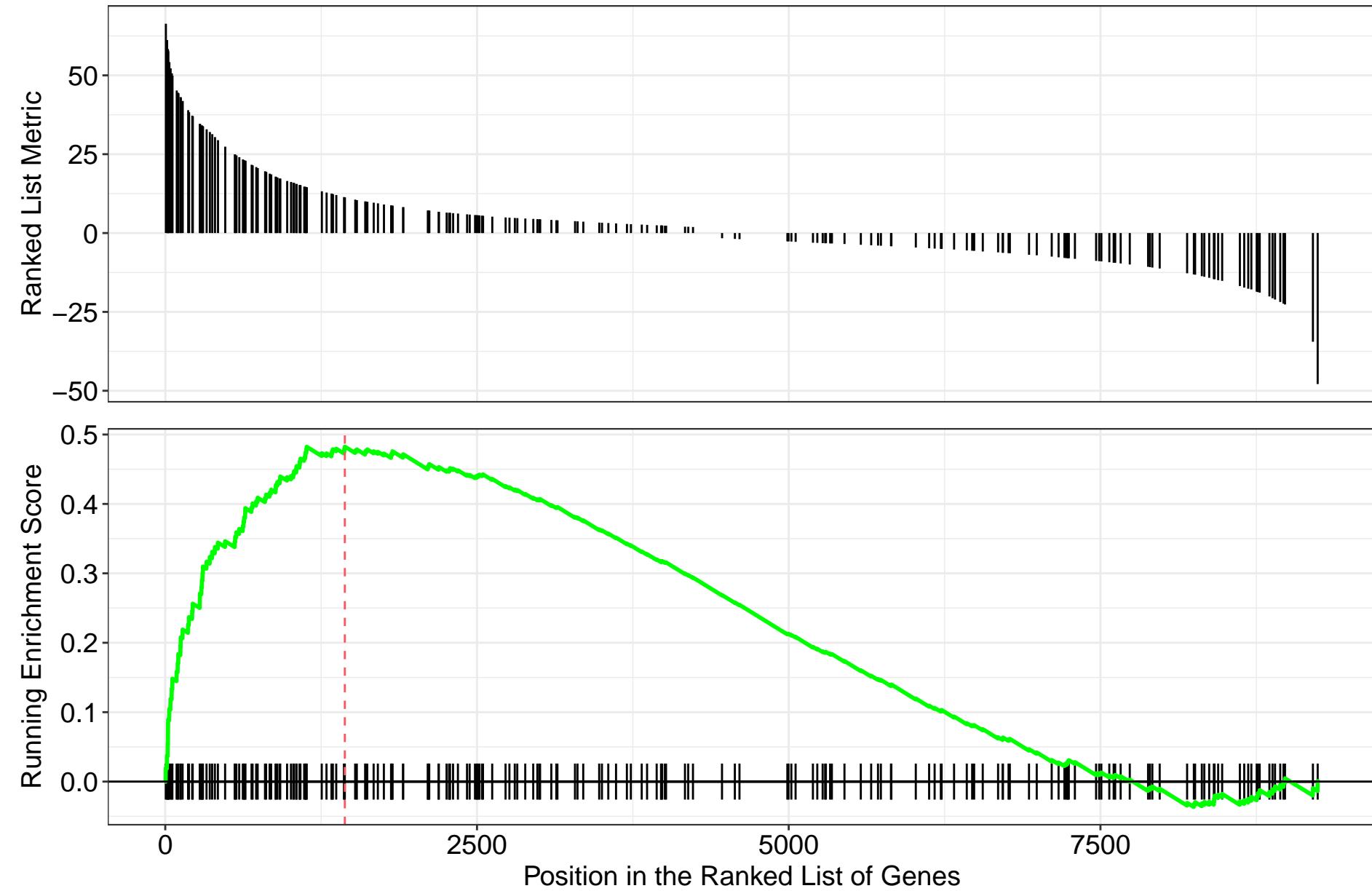
DNA repair



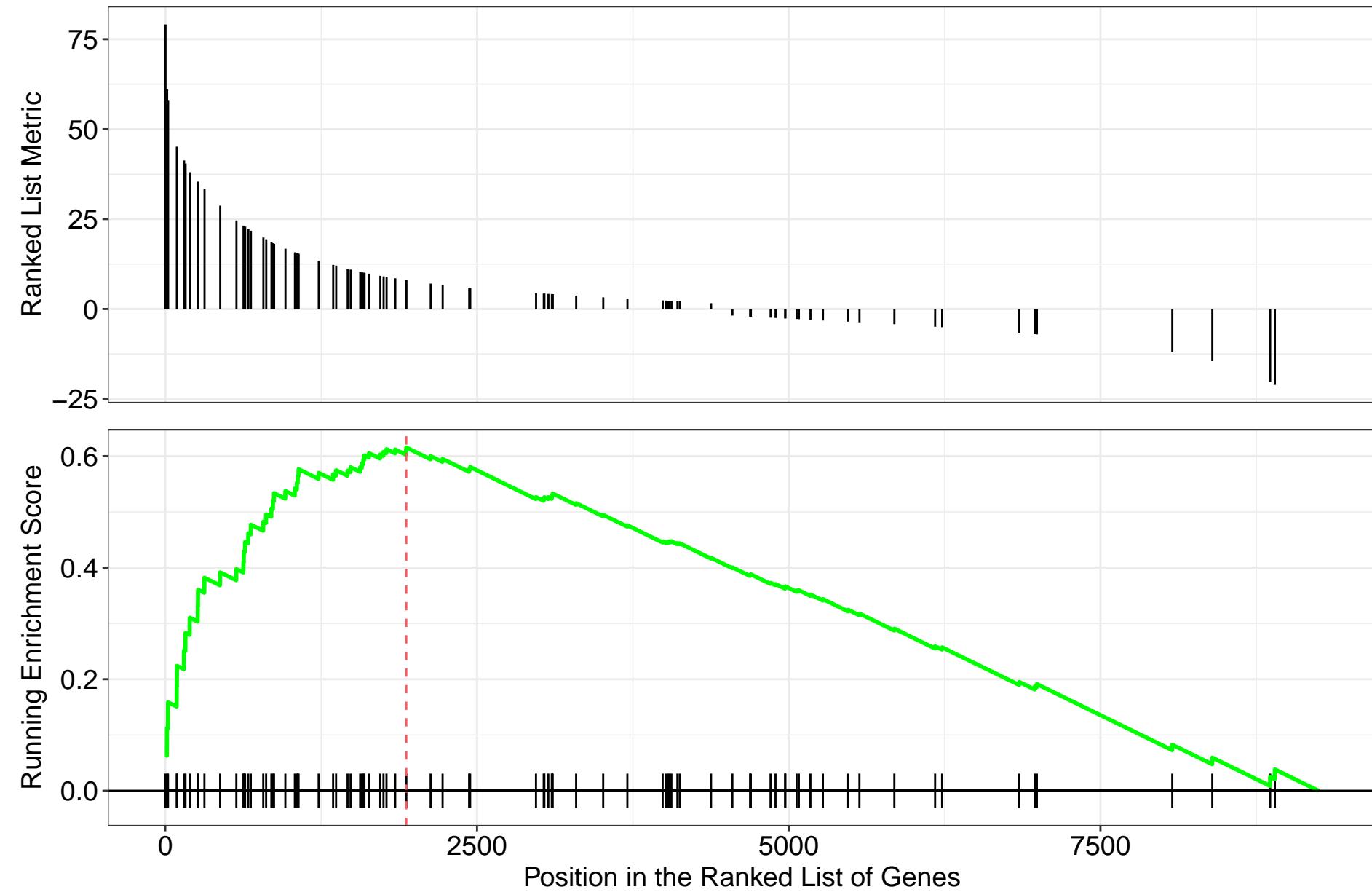
regulation of T cell activation



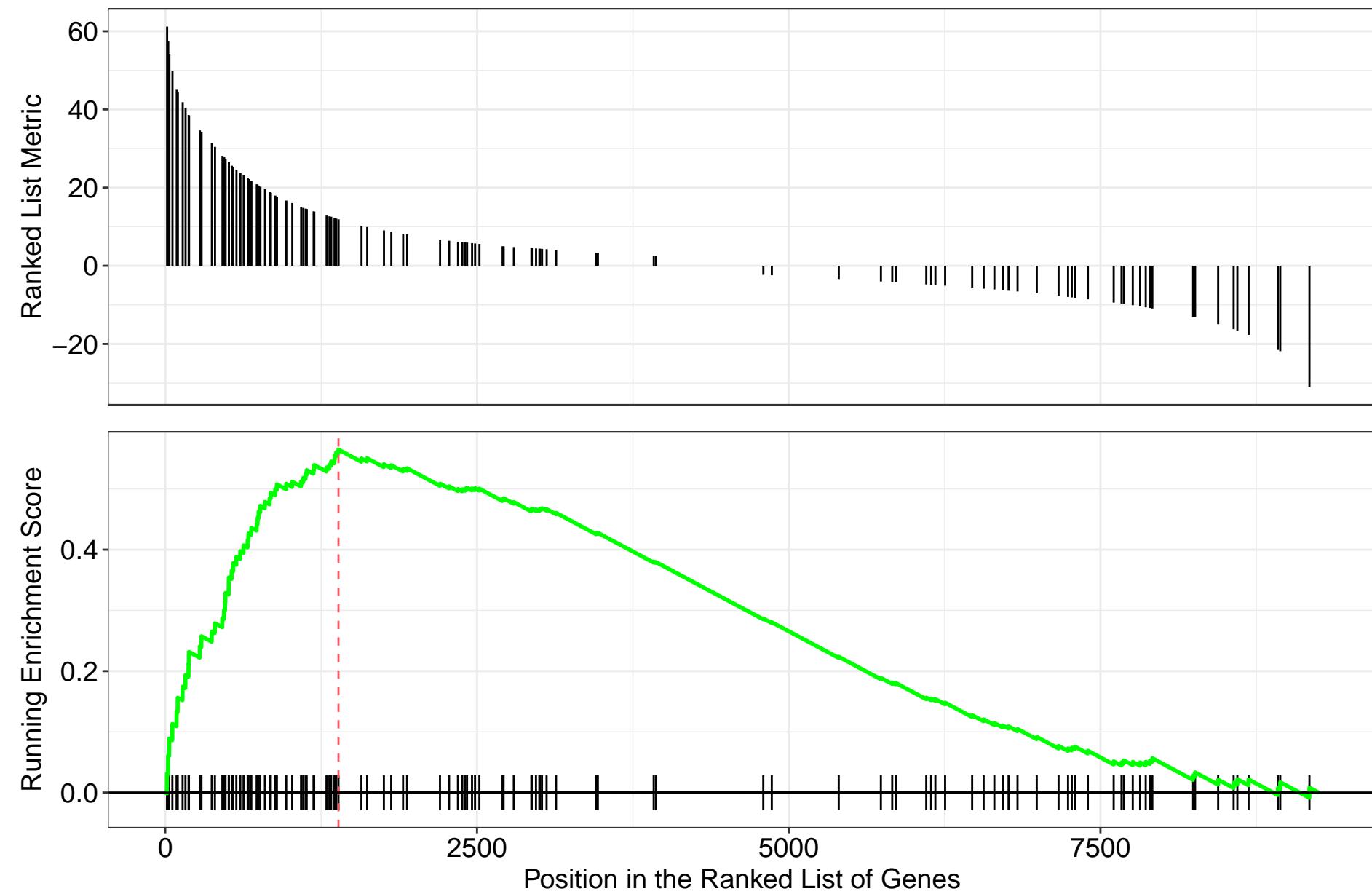
leukocyte cell–cell adhesion



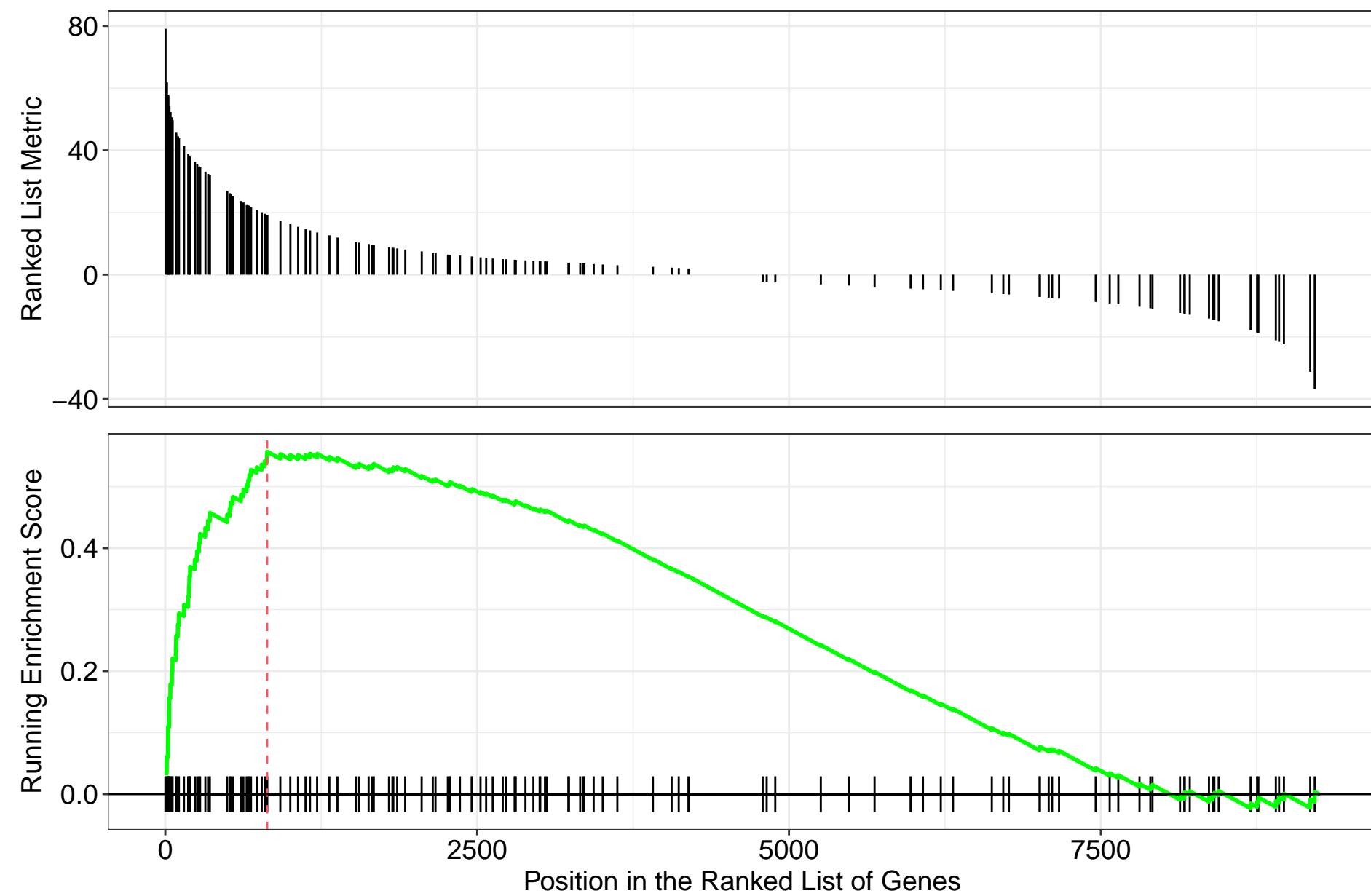
viral genome replication



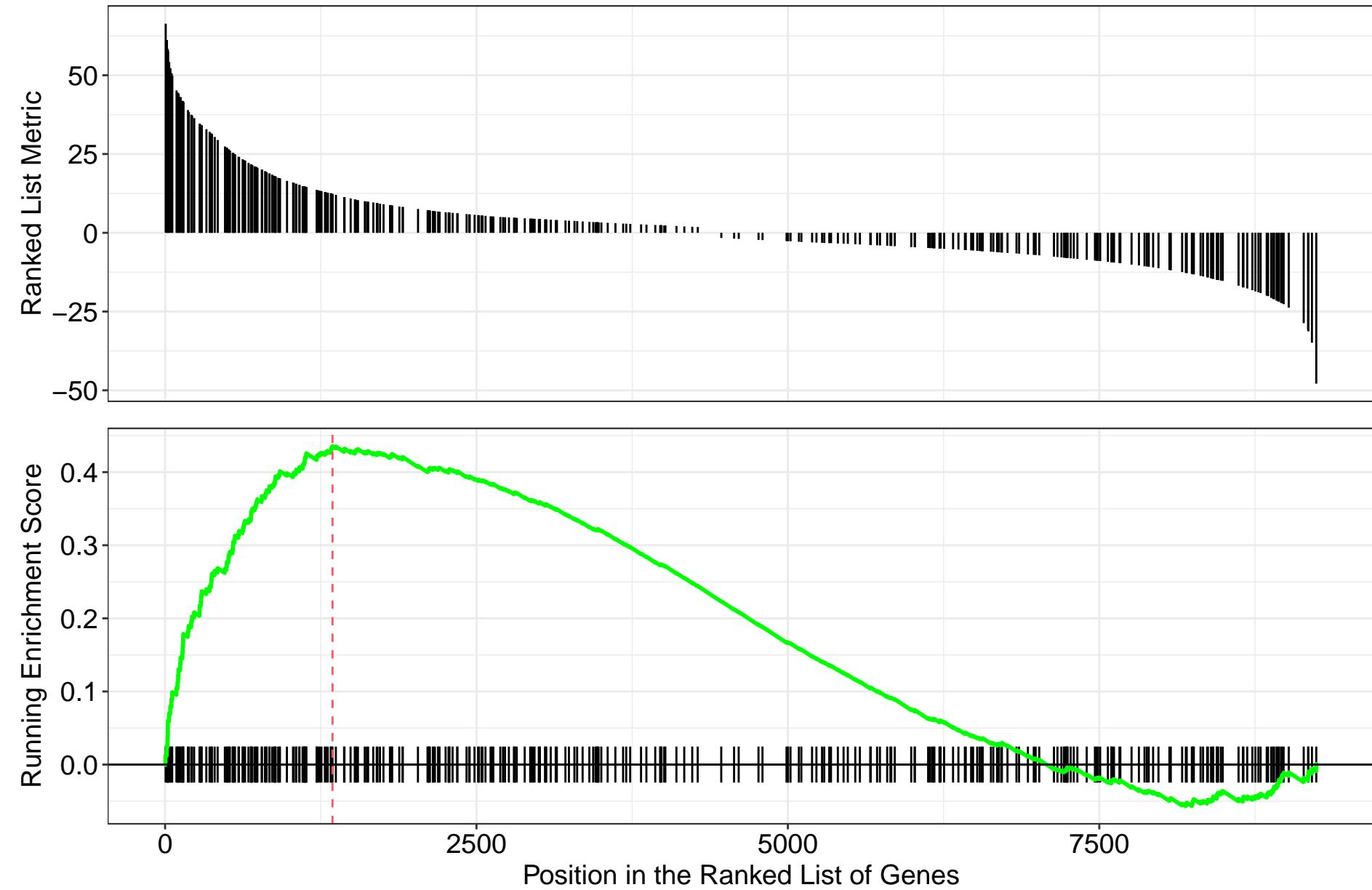
regulation of lymphocyte mediated immunity



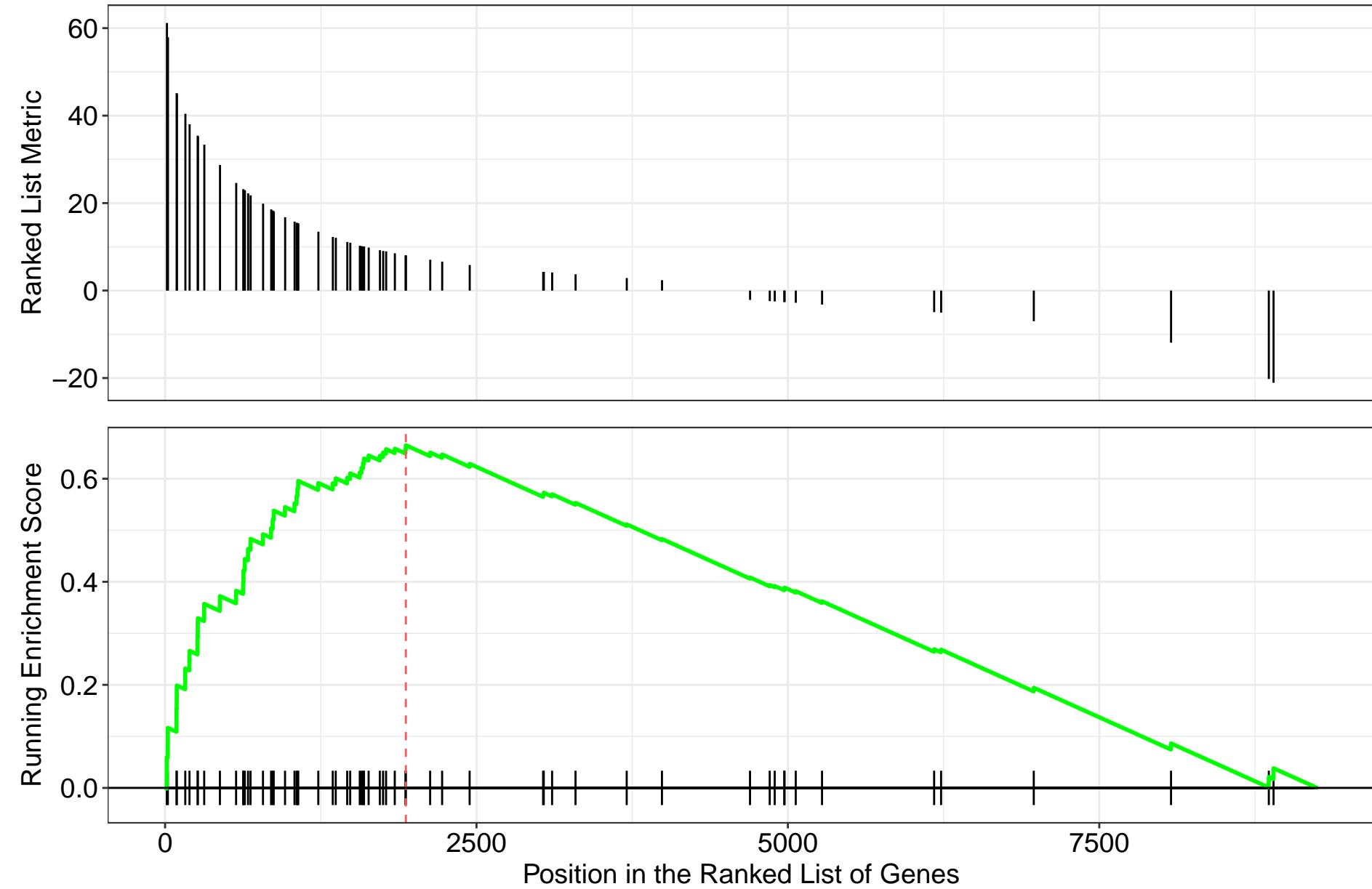
leukocyte chemotaxis



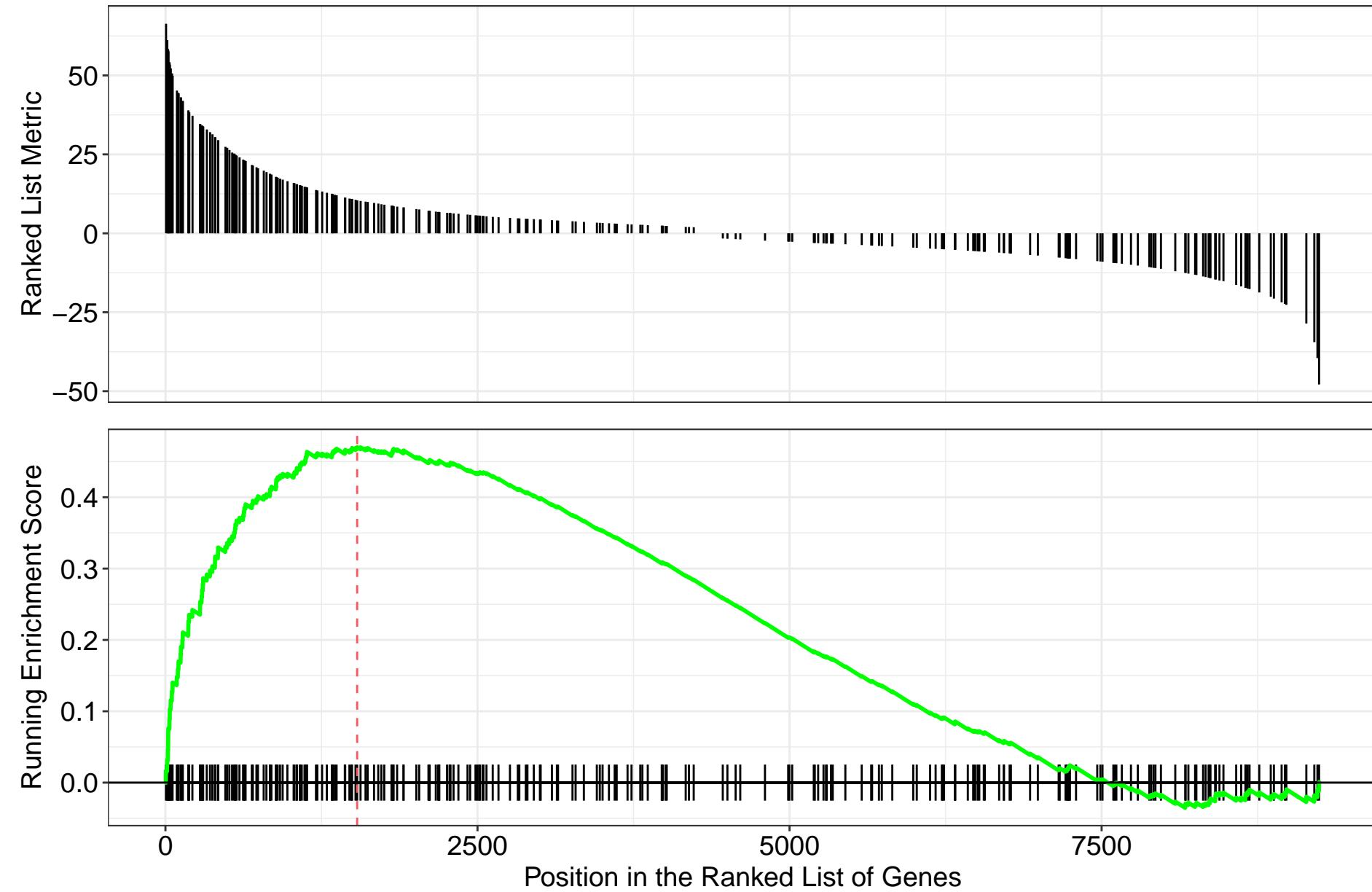
regulation of leukocyte activation



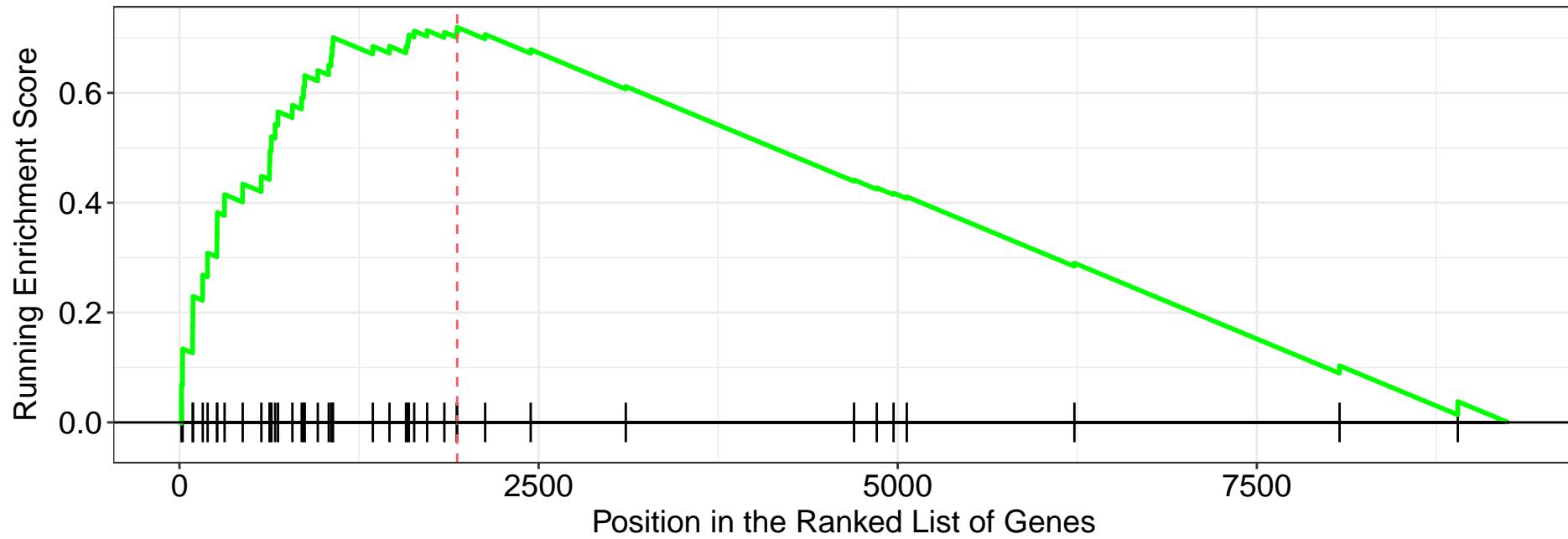
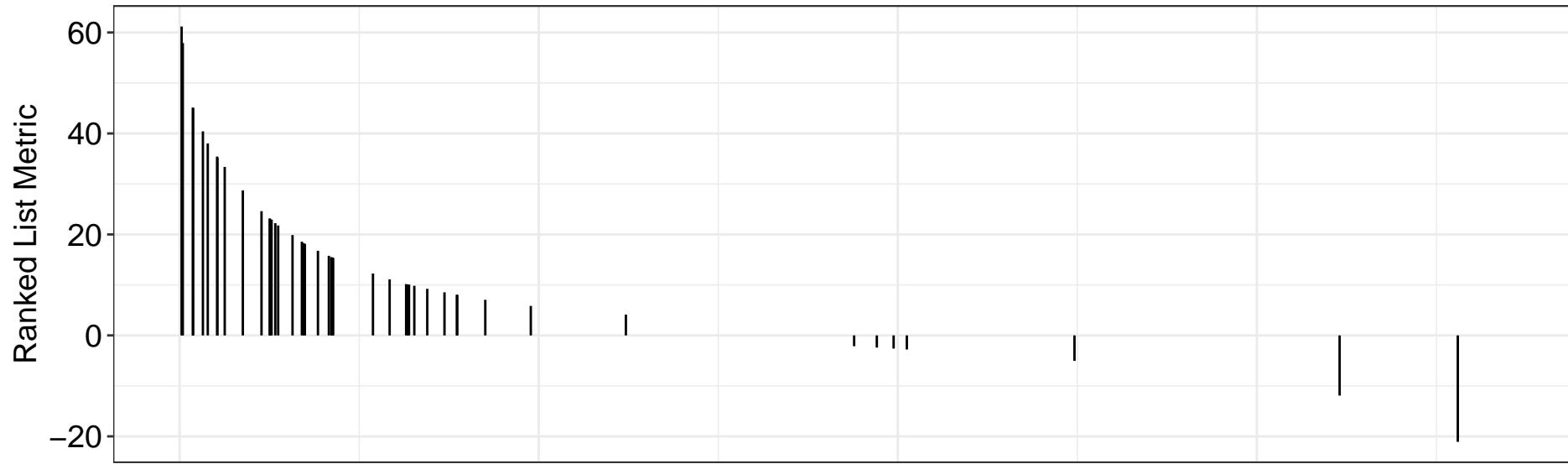
regulation of viral genome replication



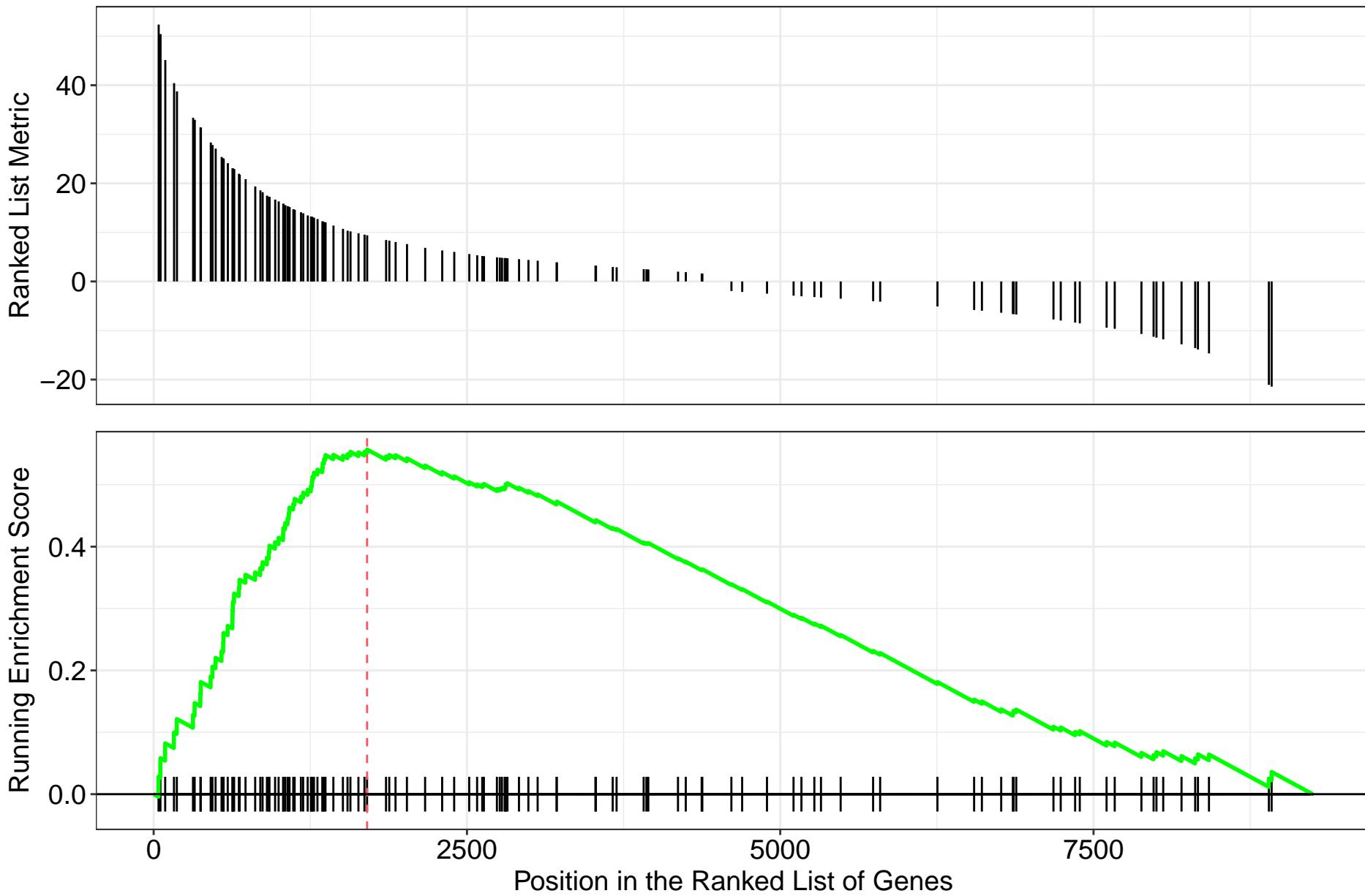
regulation of cell–cell adhesion



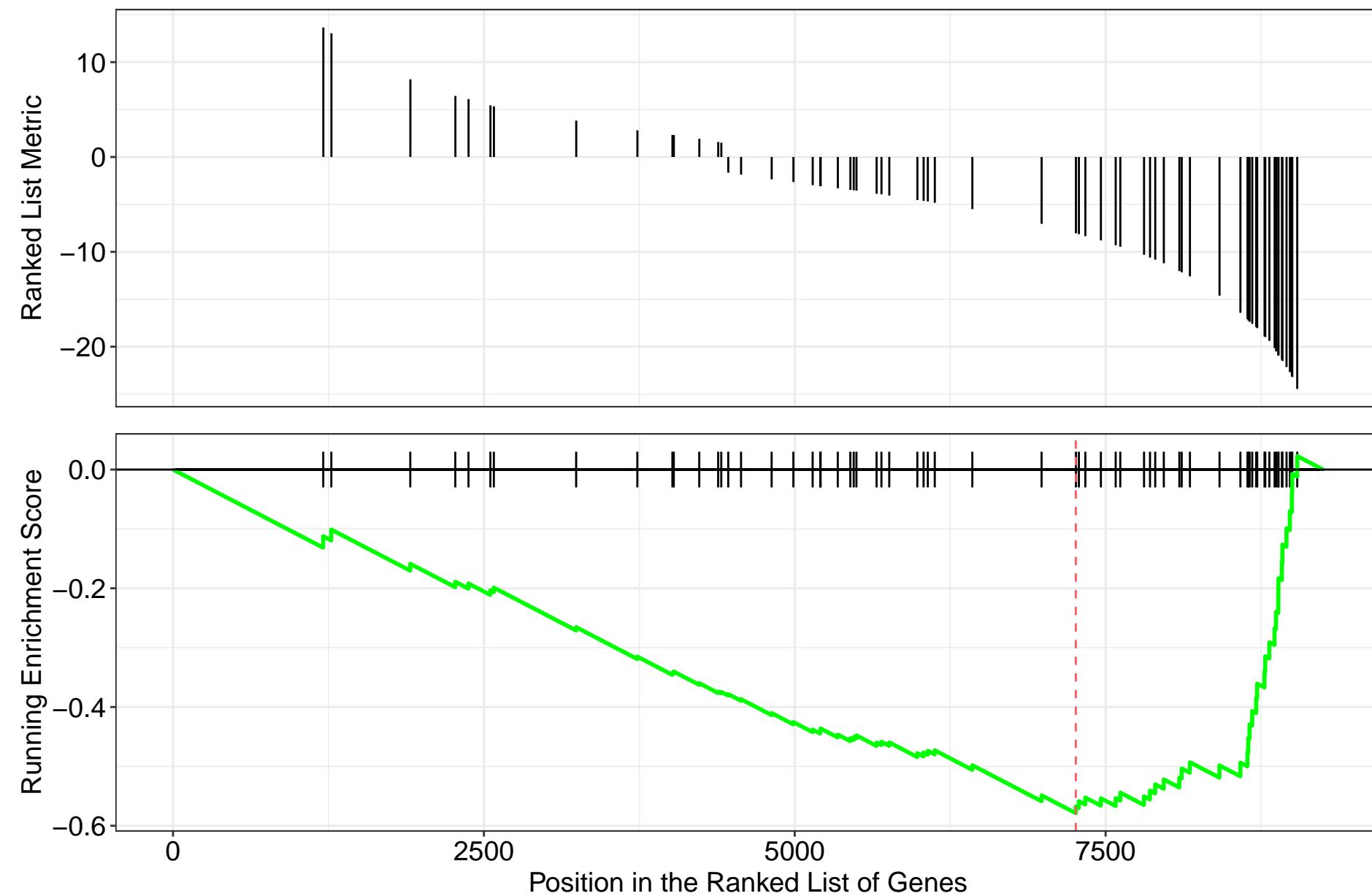
negative regulation of viral genome replication



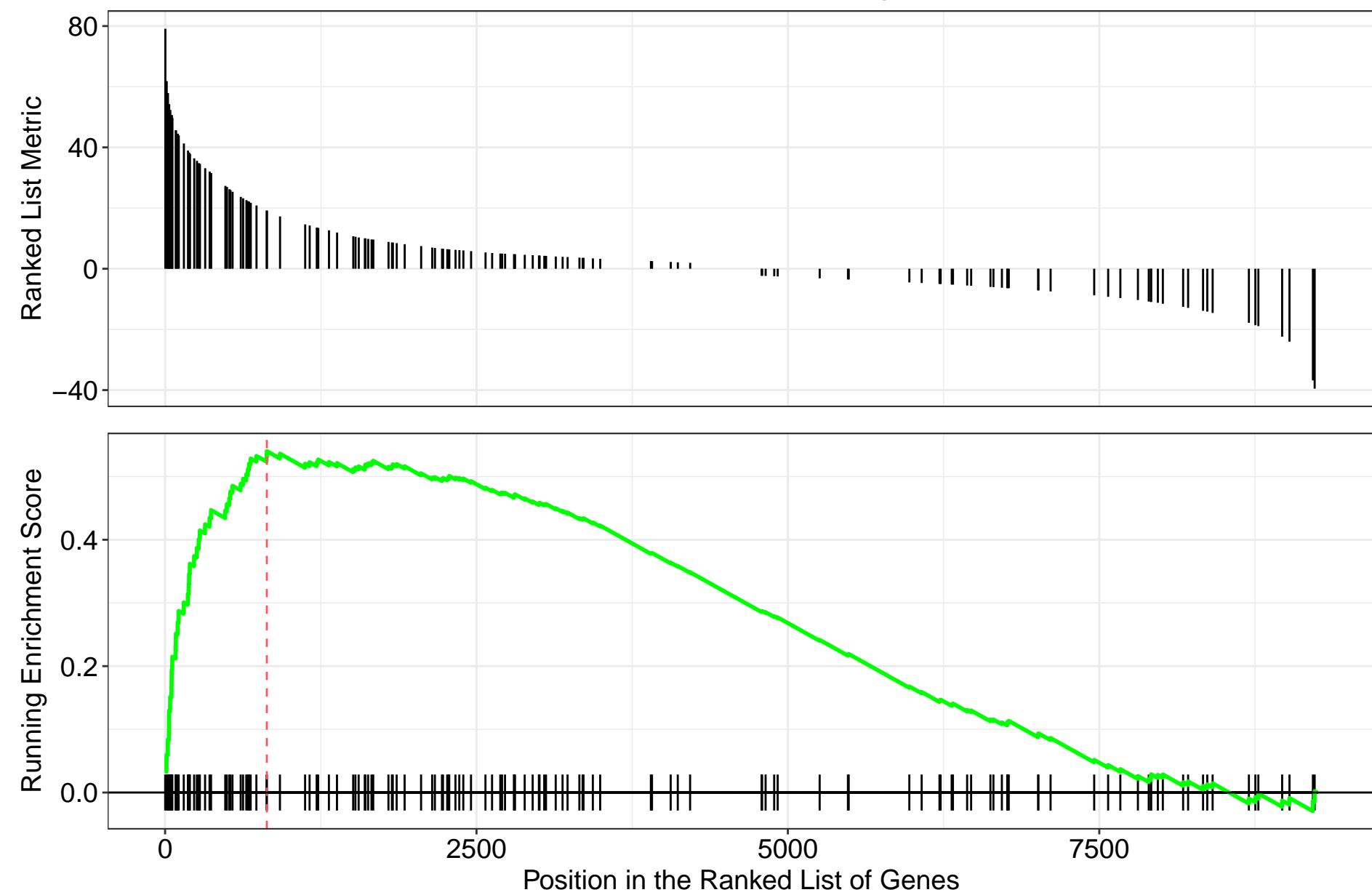
pattern recognition receptor signaling pathway



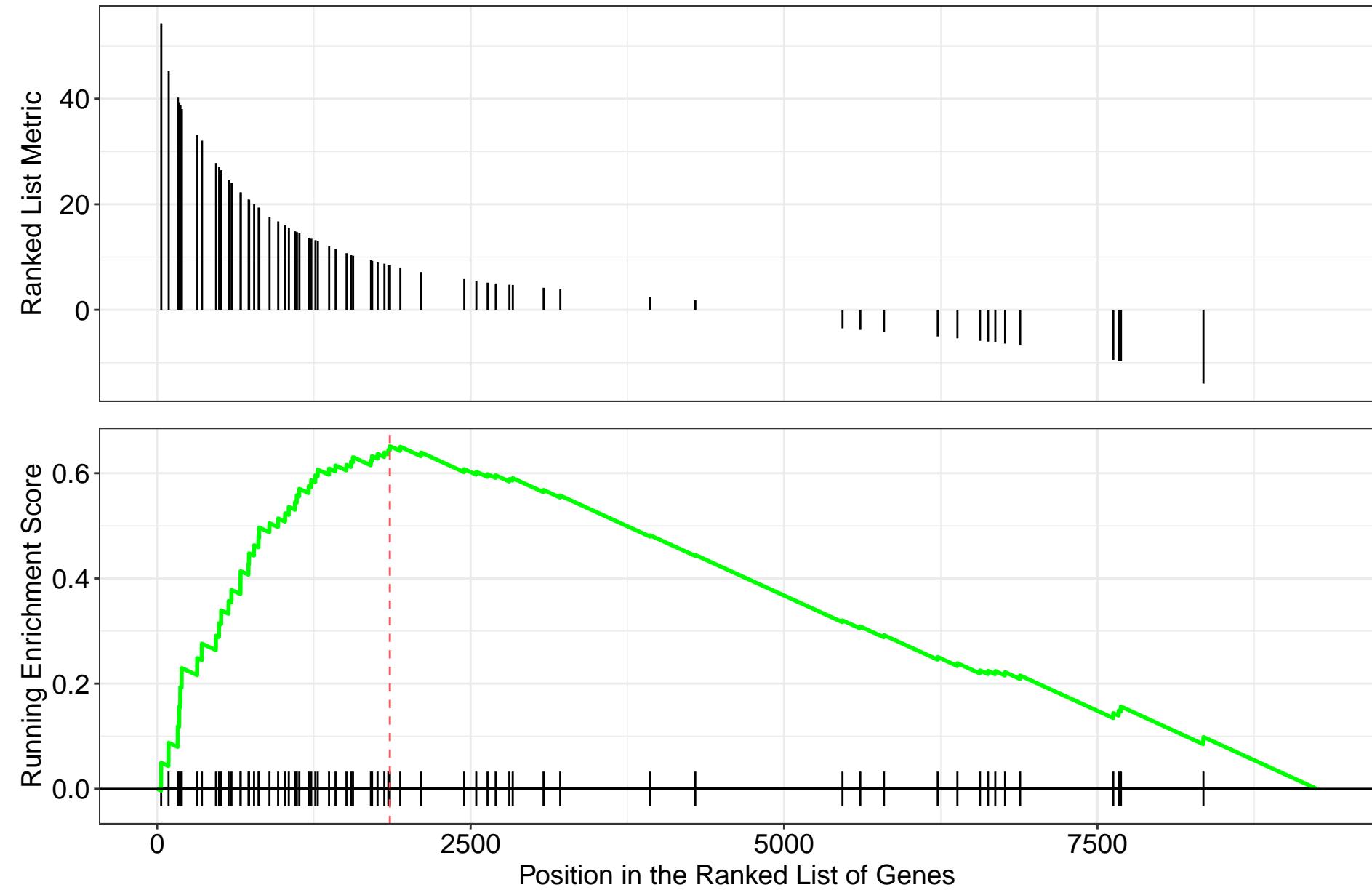
regulation of chromosome separation



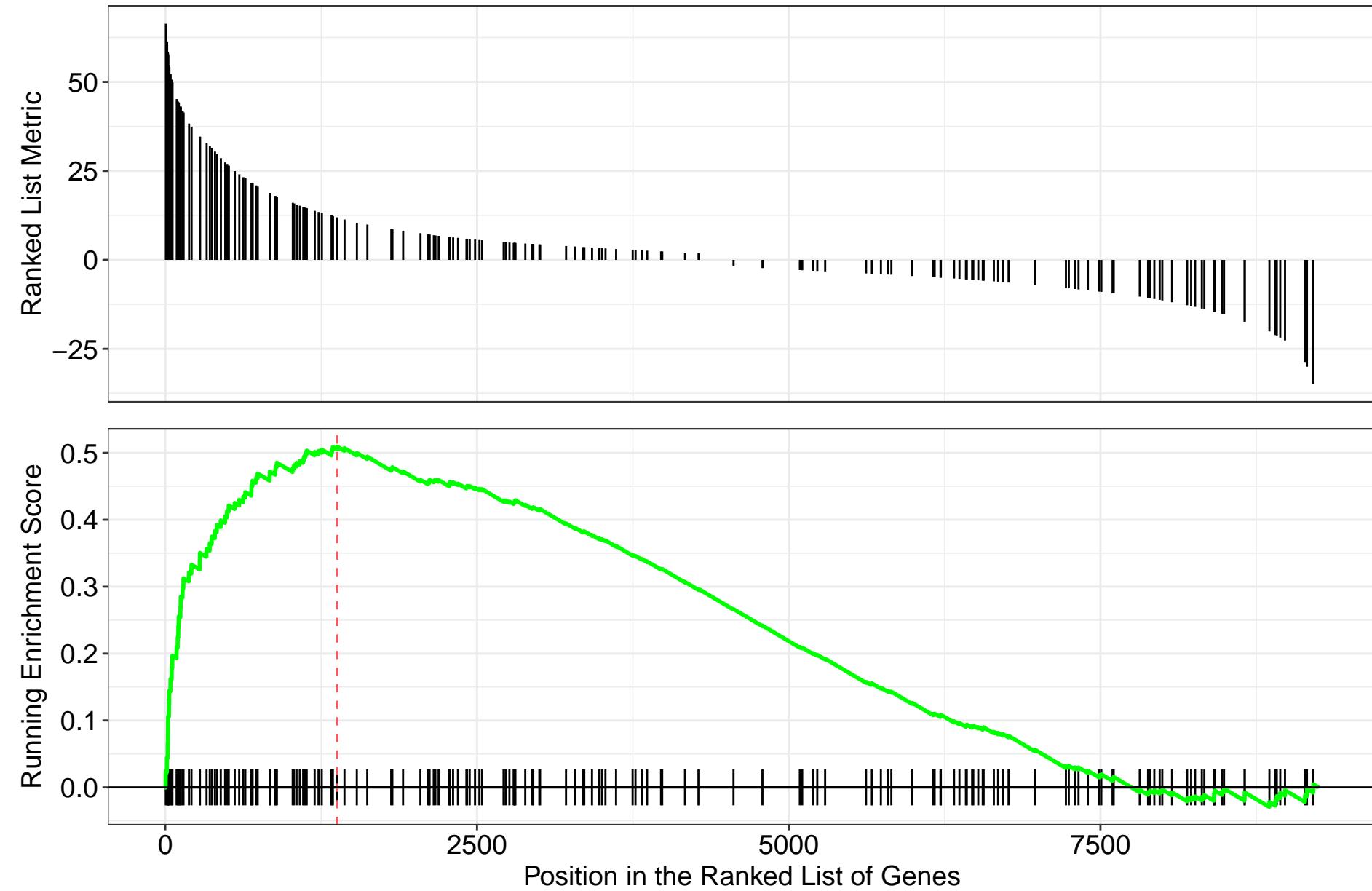
myeloid leukocyte migration



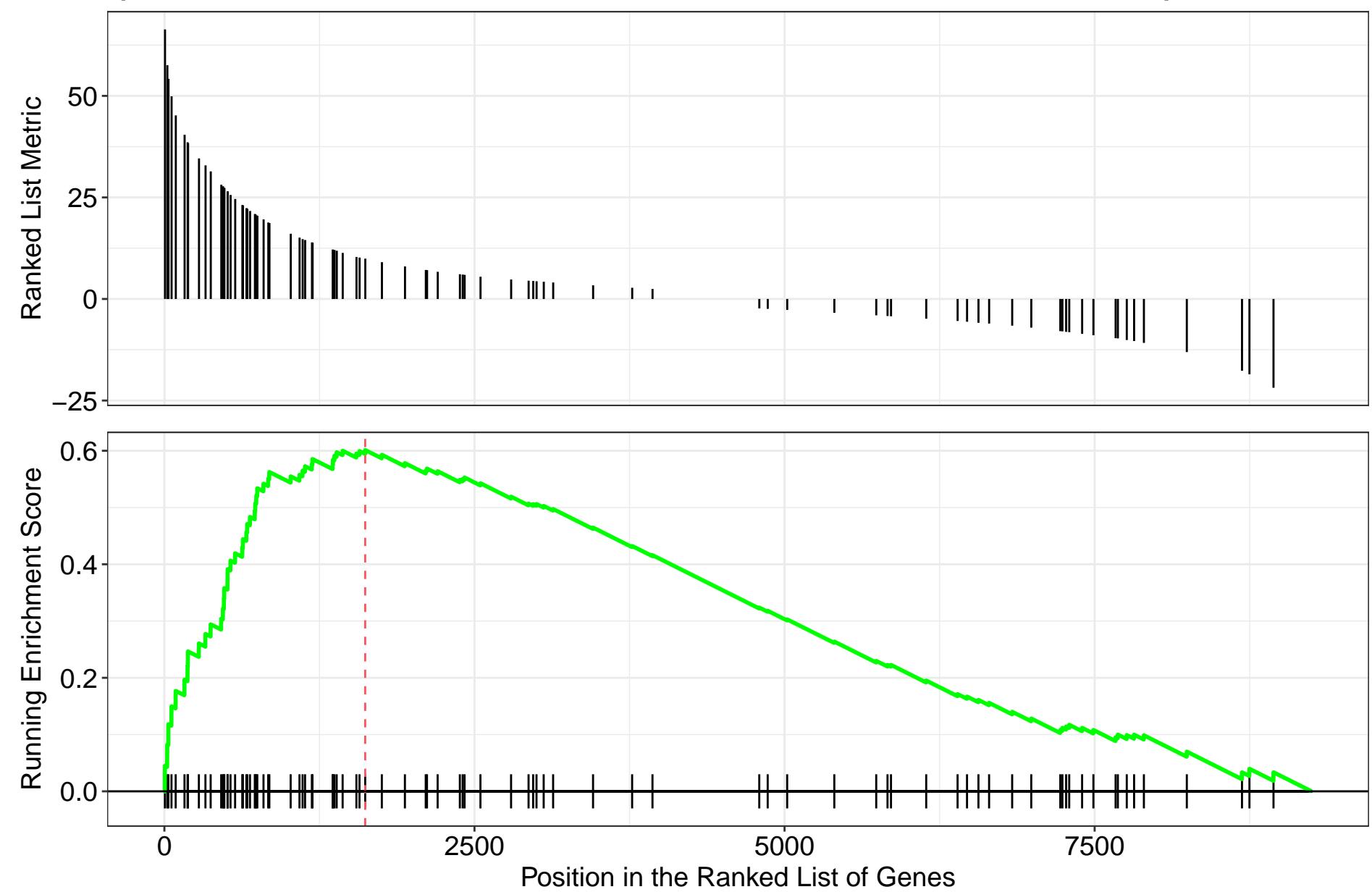
interleukin-1 beta production



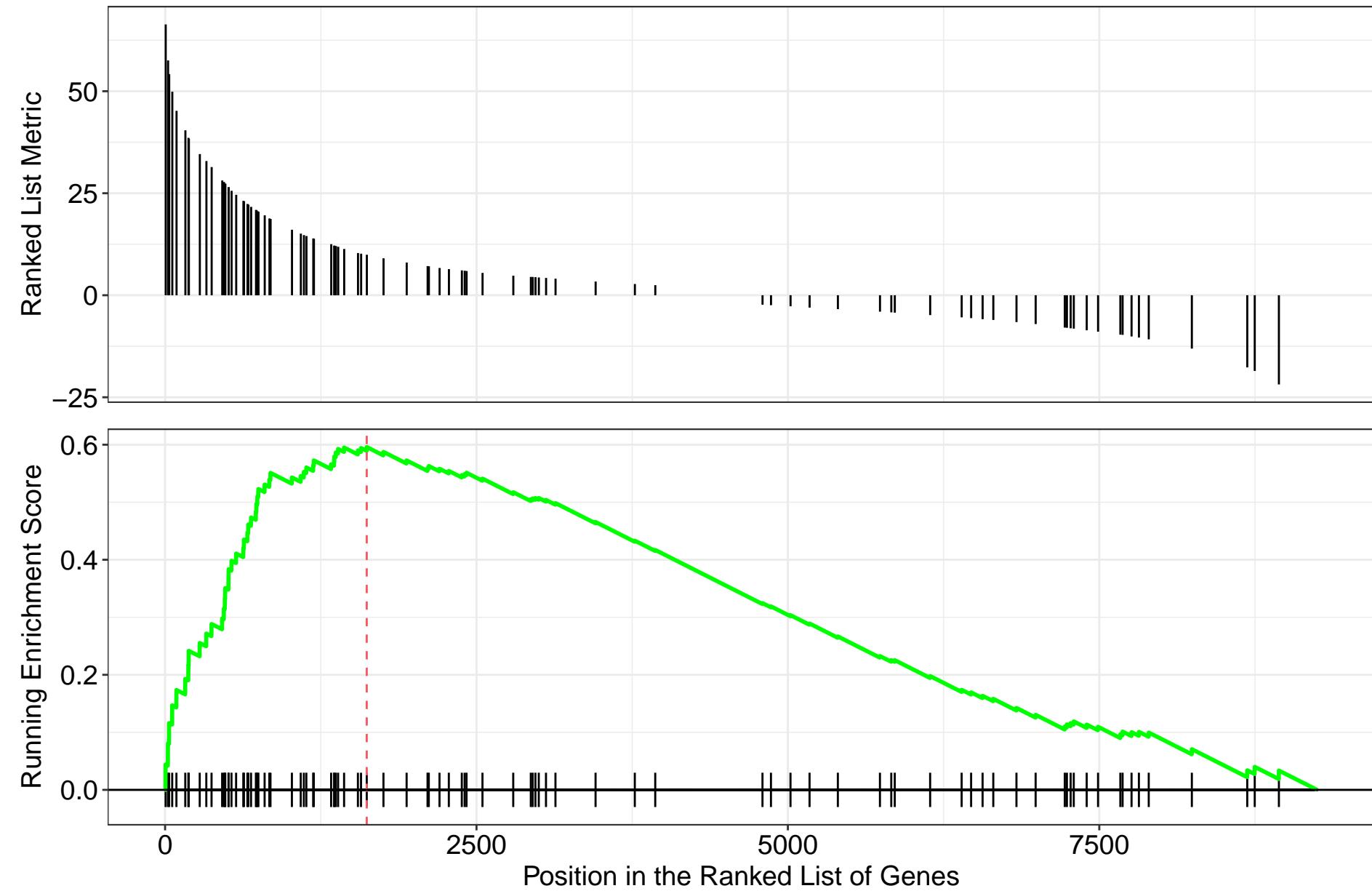
mononuclear cell proliferation



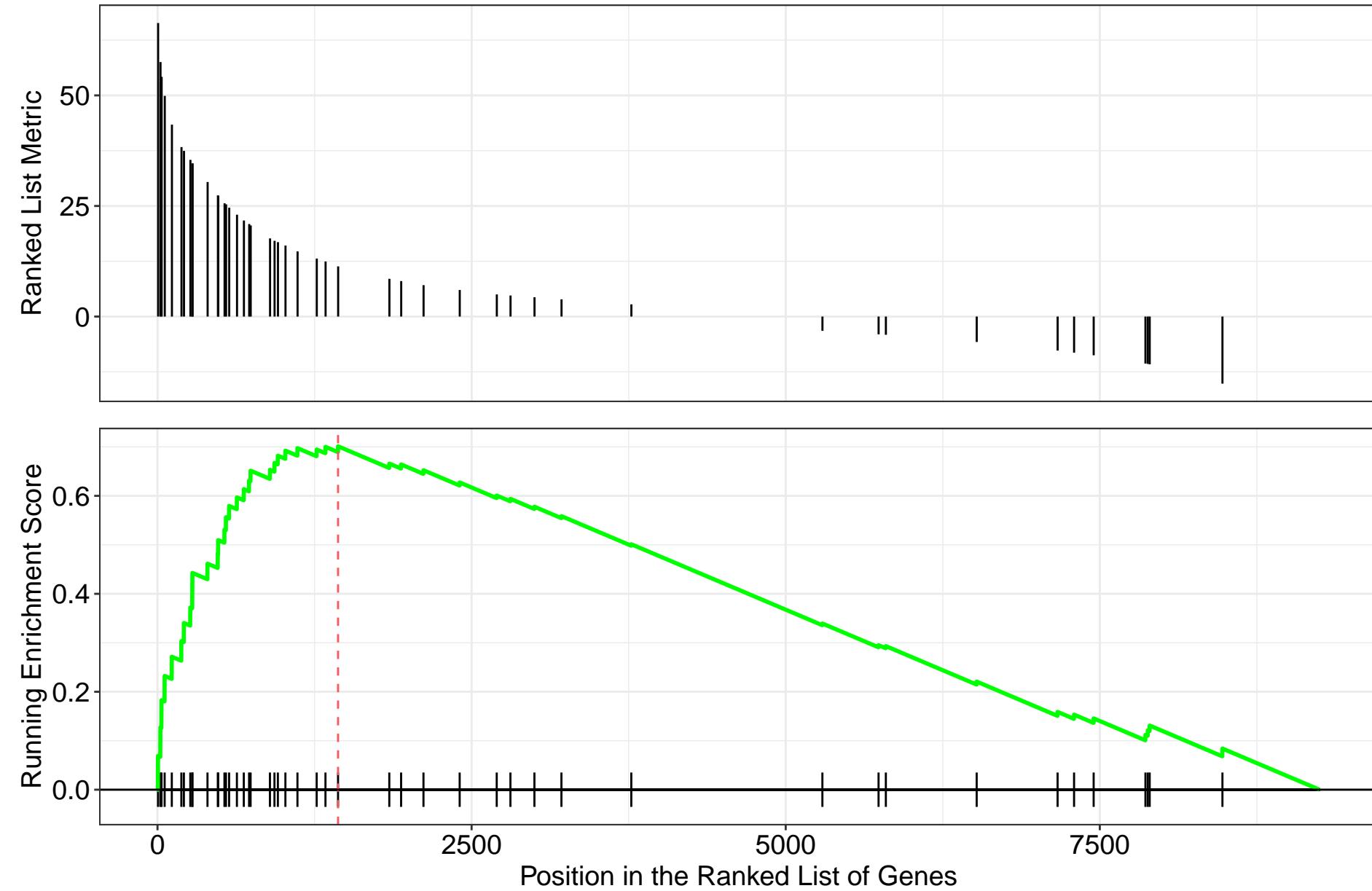
The response based on somatic recombination of immune receptors built from



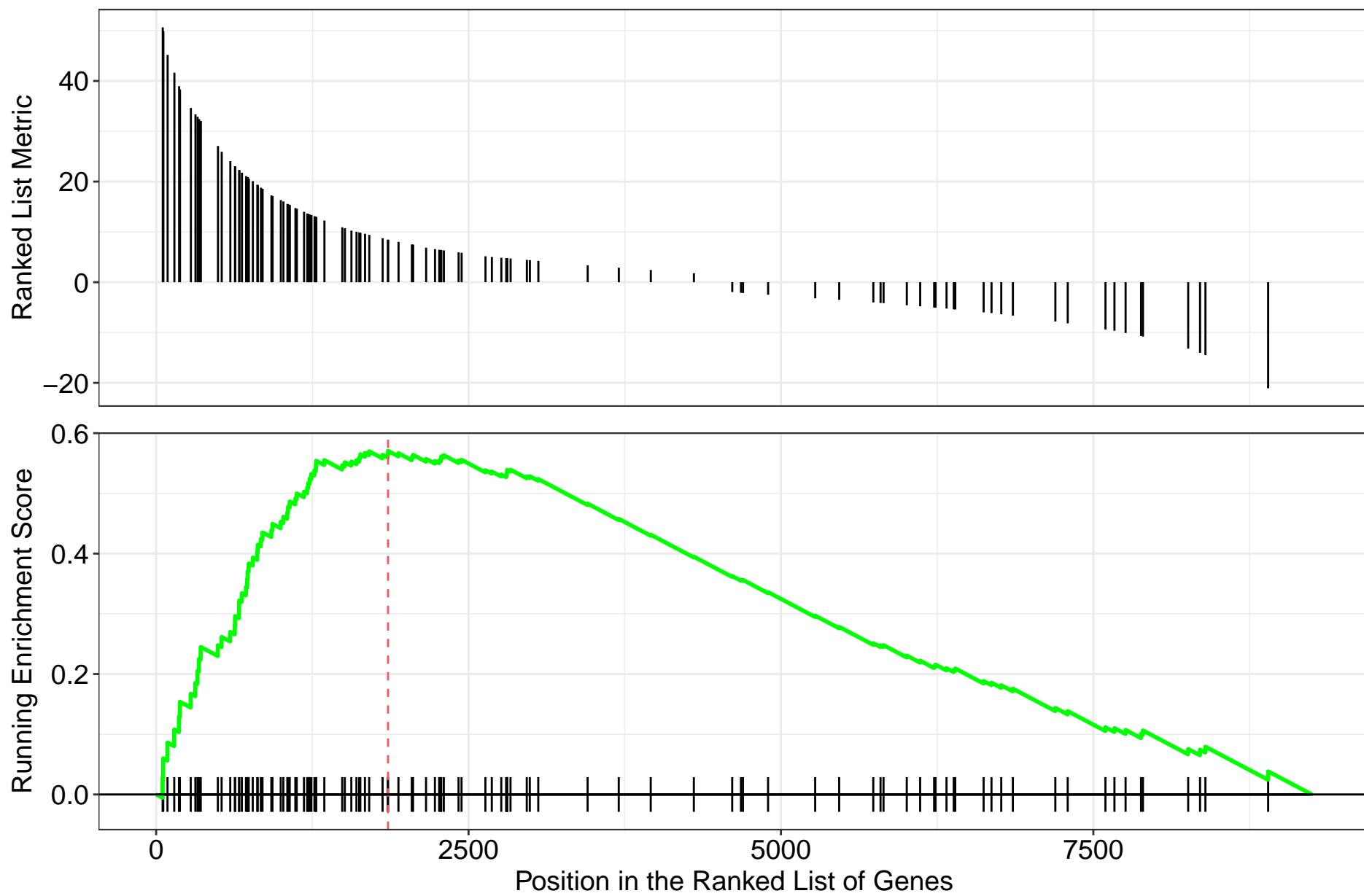
positive regulation of adaptive immune response



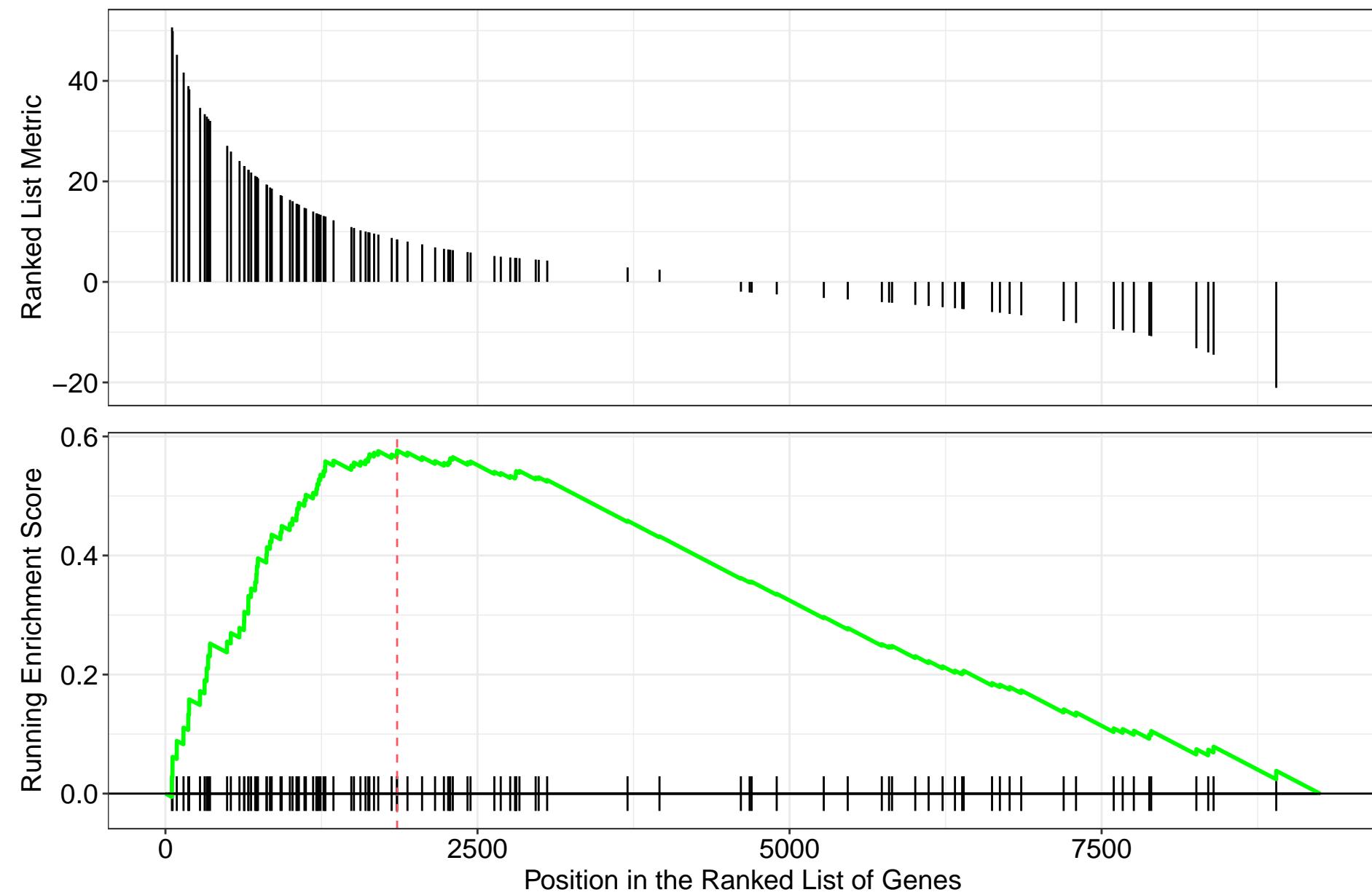
positive regulation of interferon-gamma production



tumor necrosis factor superfamily cytokine production



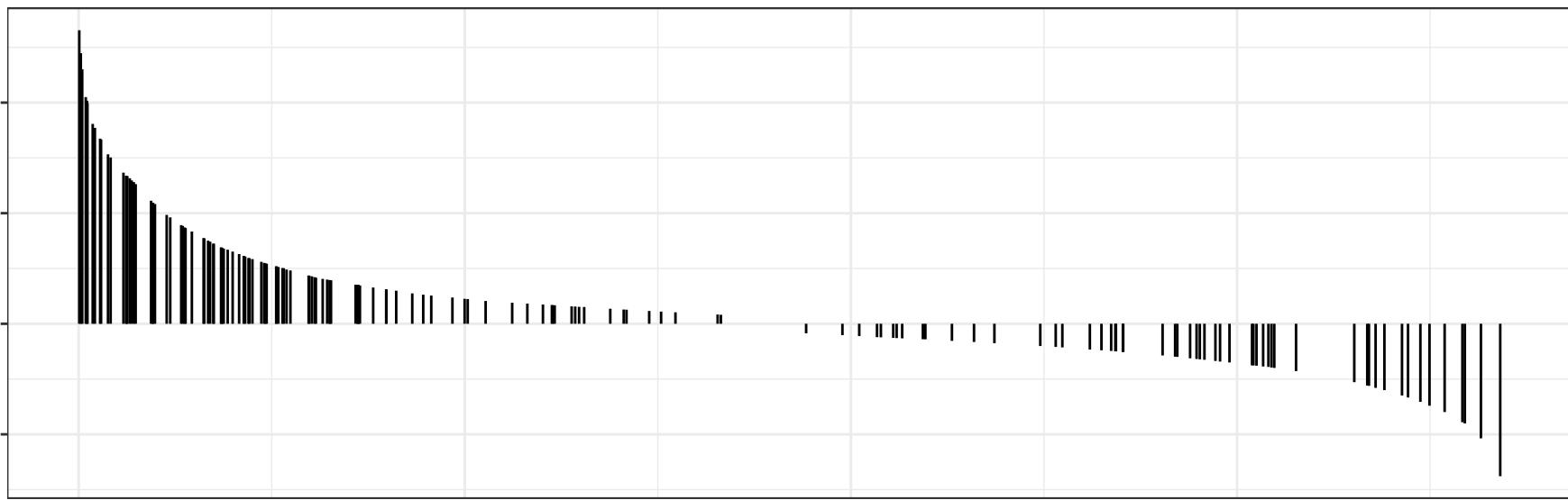
regulation of tumor necrosis factor superfamily cytokine production



negative regulation of cytokine production

Ranked List Metric

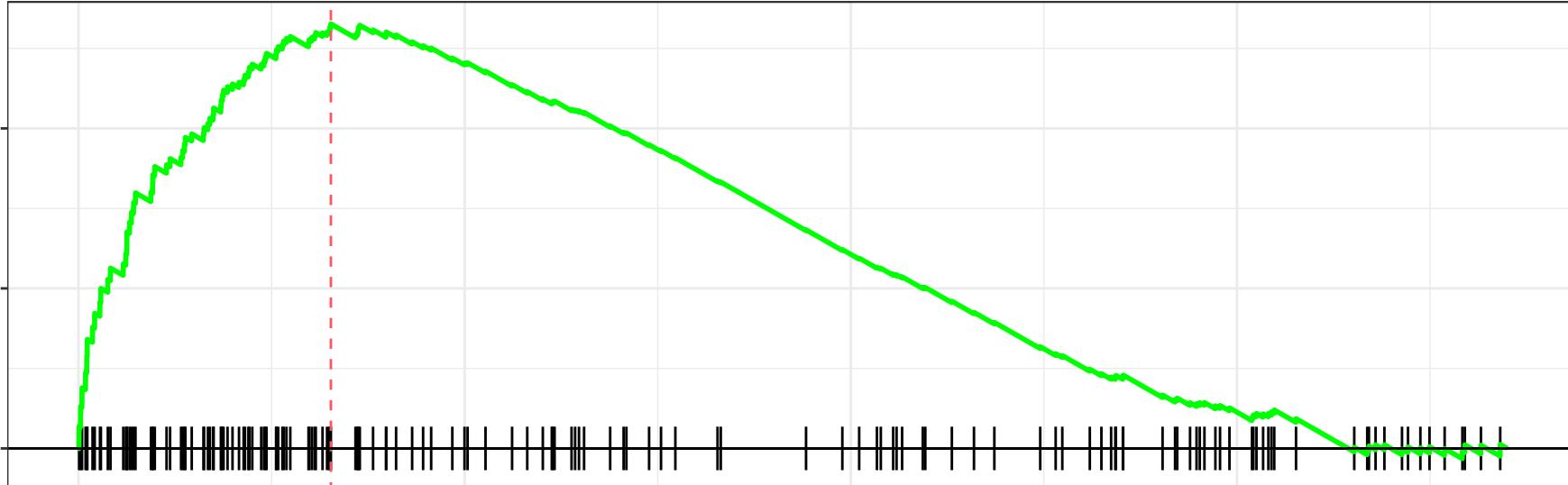
Running Enrichment Score



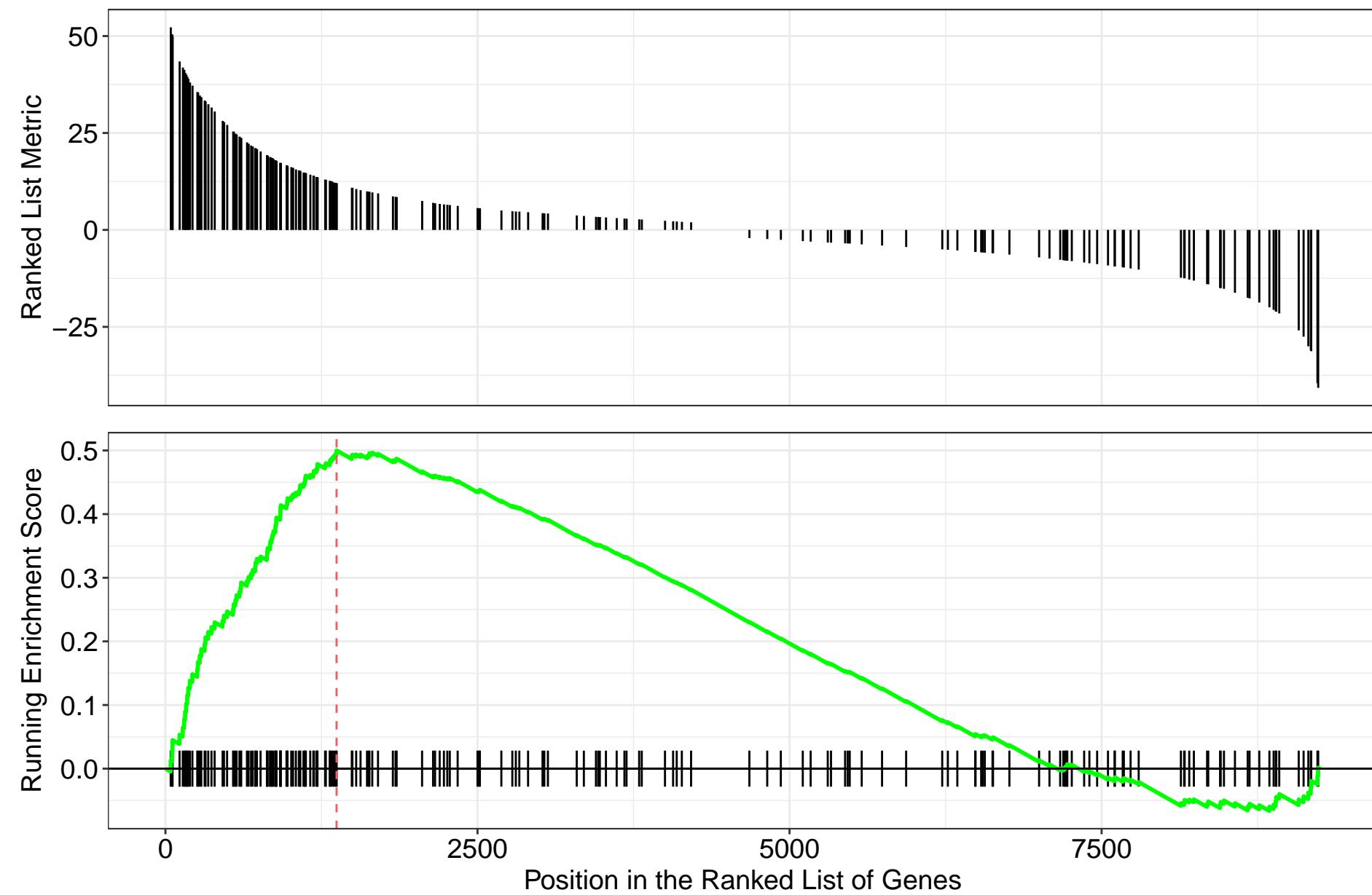
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Position in the Ranked List of Genes

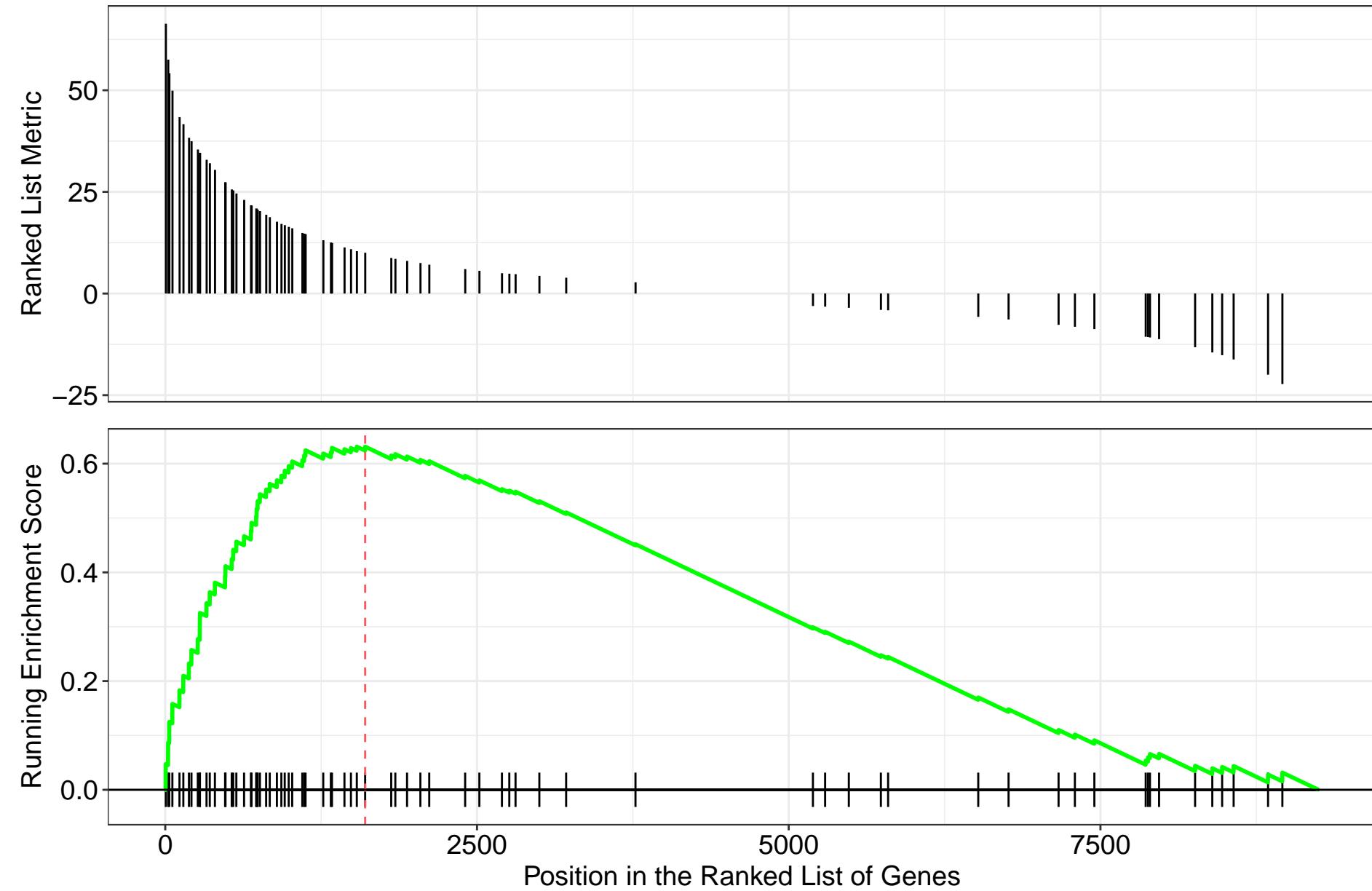
0.0 0.2 0.4



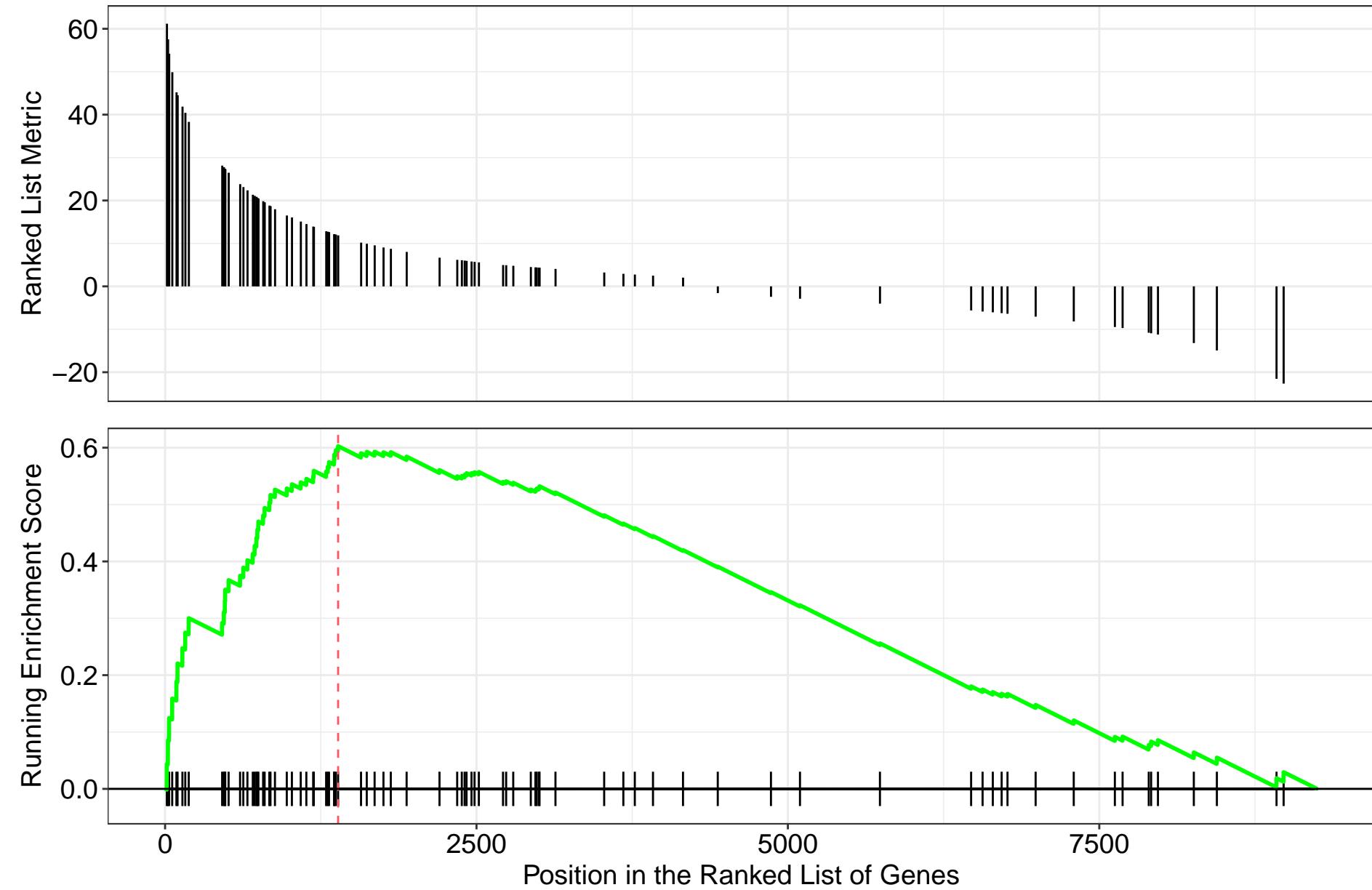
negative regulation of response to external stimulus



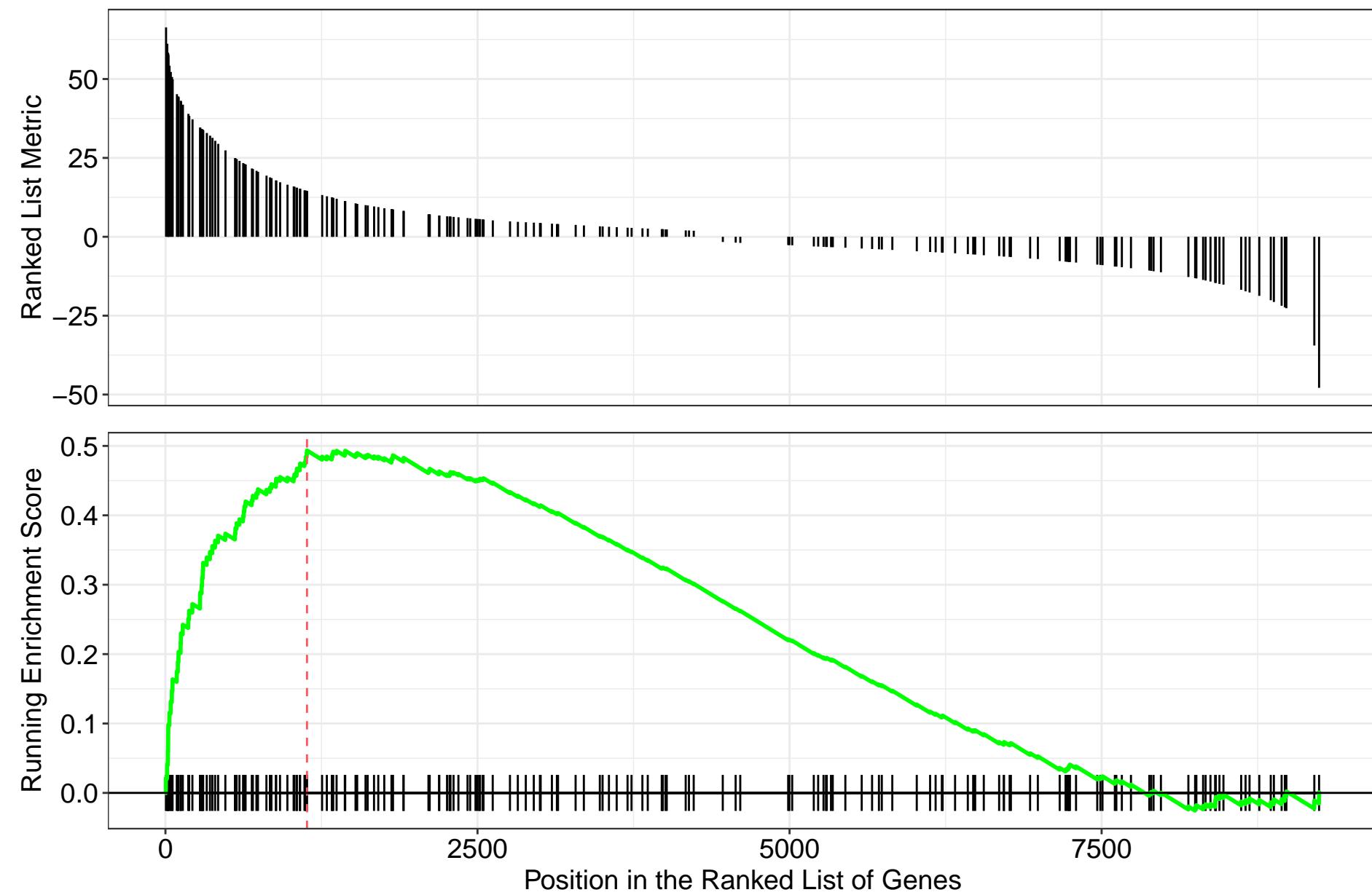
interferon–gamma production



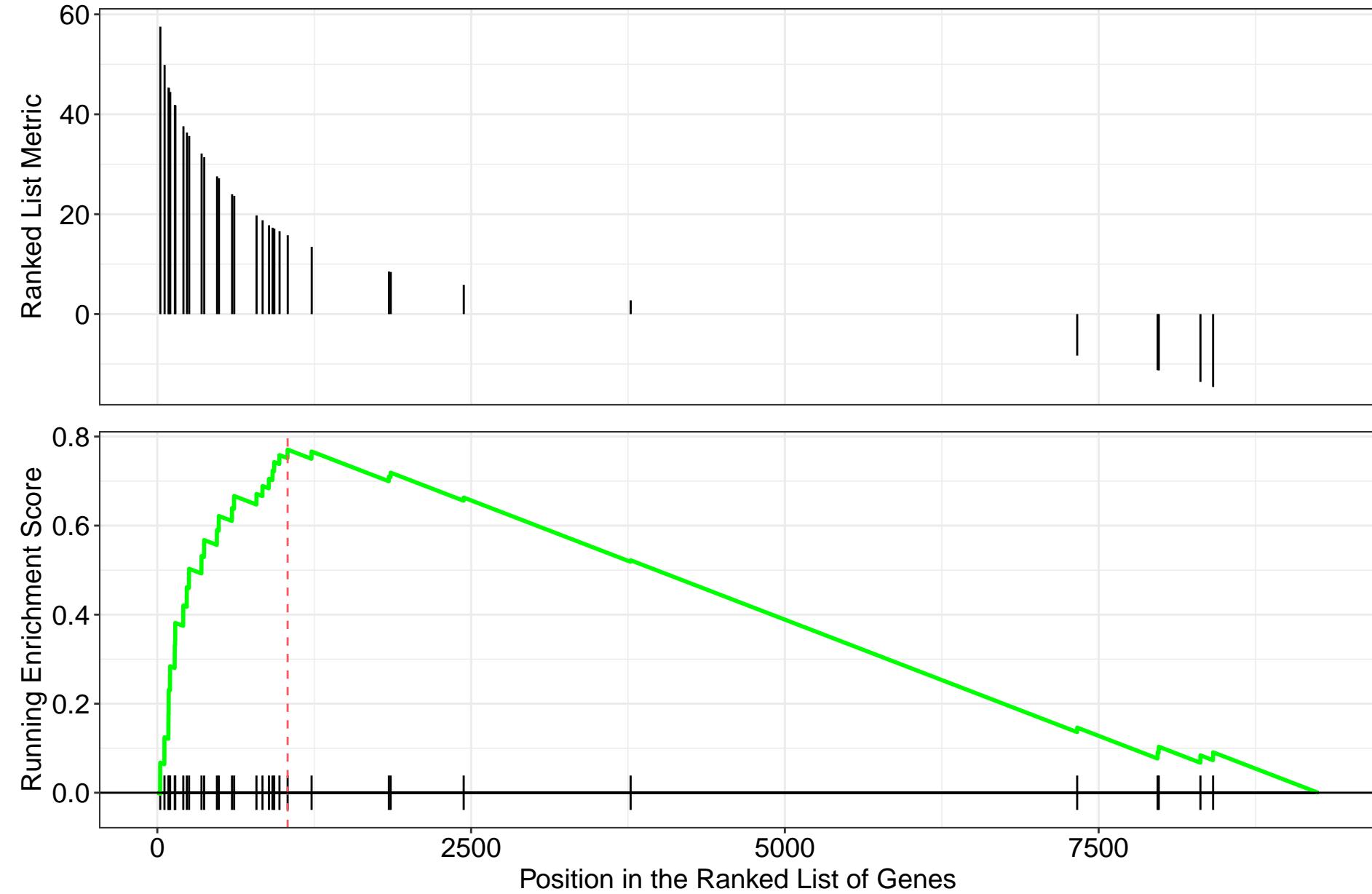
T cell mediated immunity



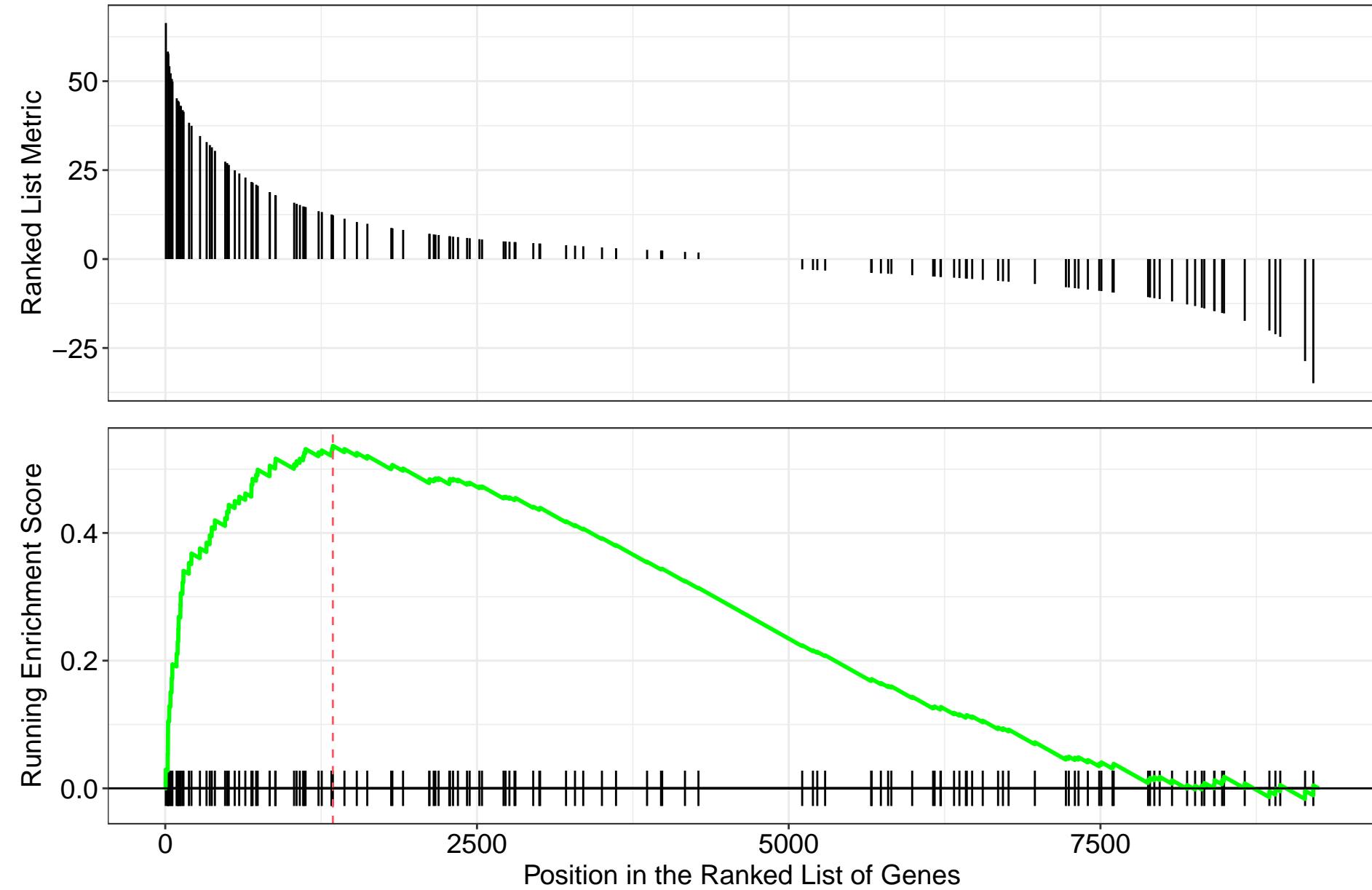
regulation of leukocyte cell–cell adhesion



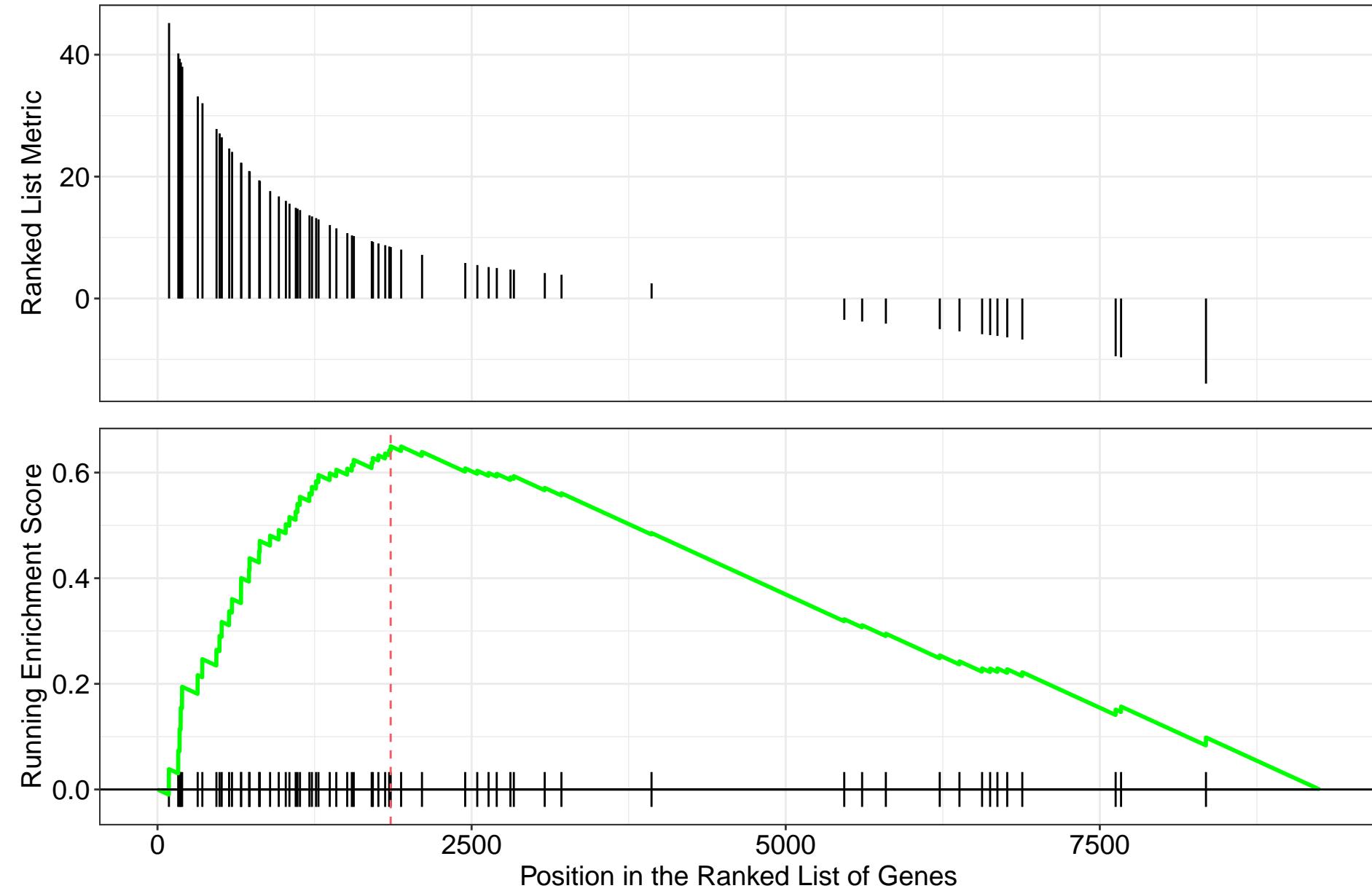
response to protozoan



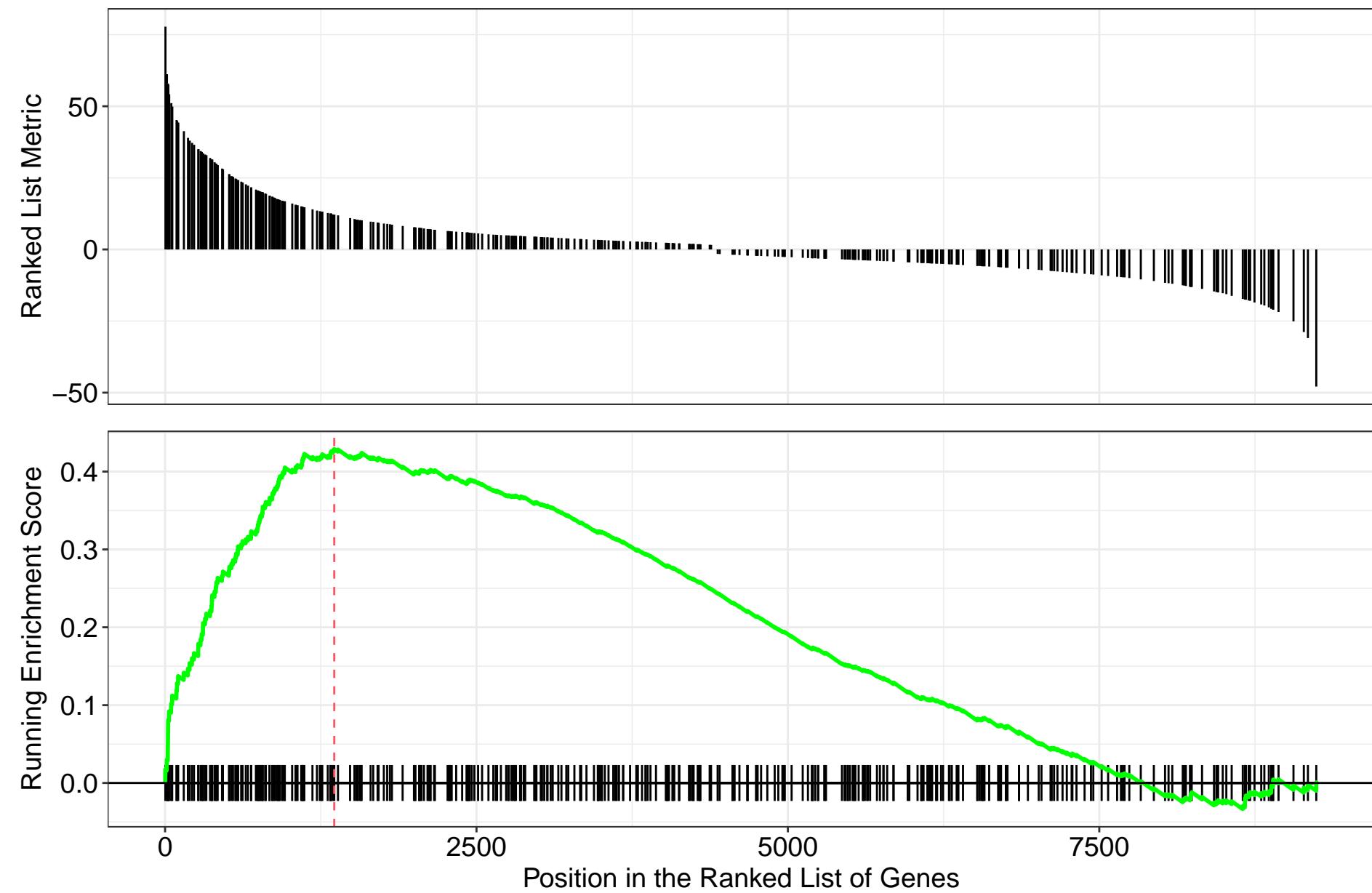
regulation of lymphocyte proliferation



regulation of interleukin–1 beta production

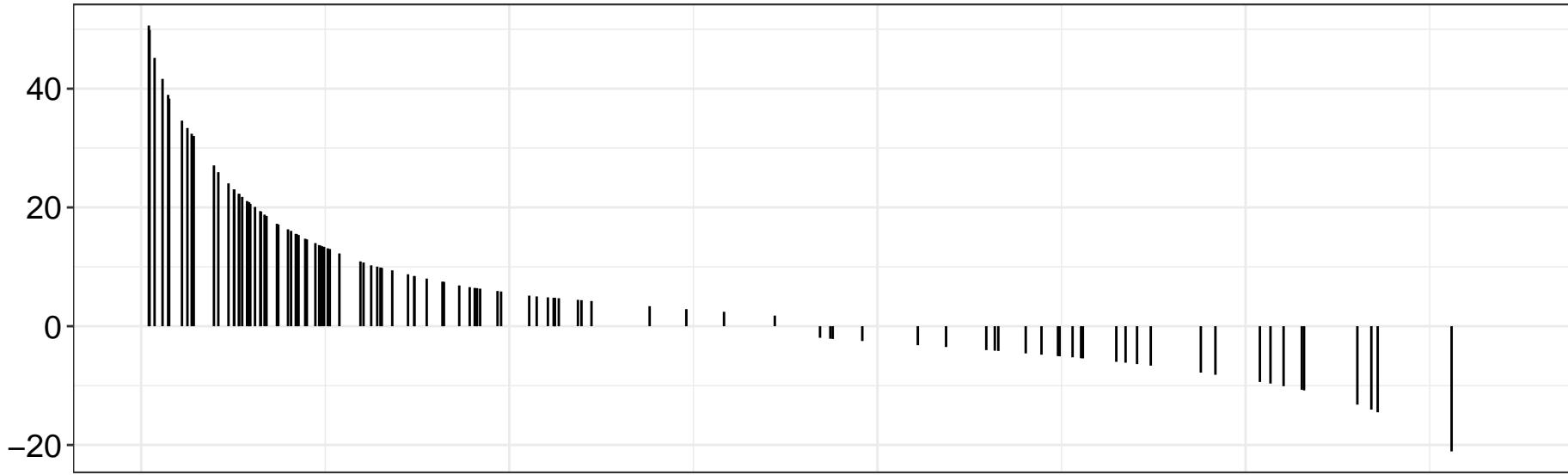


positive regulation of cell death



tumor necrosis factor production

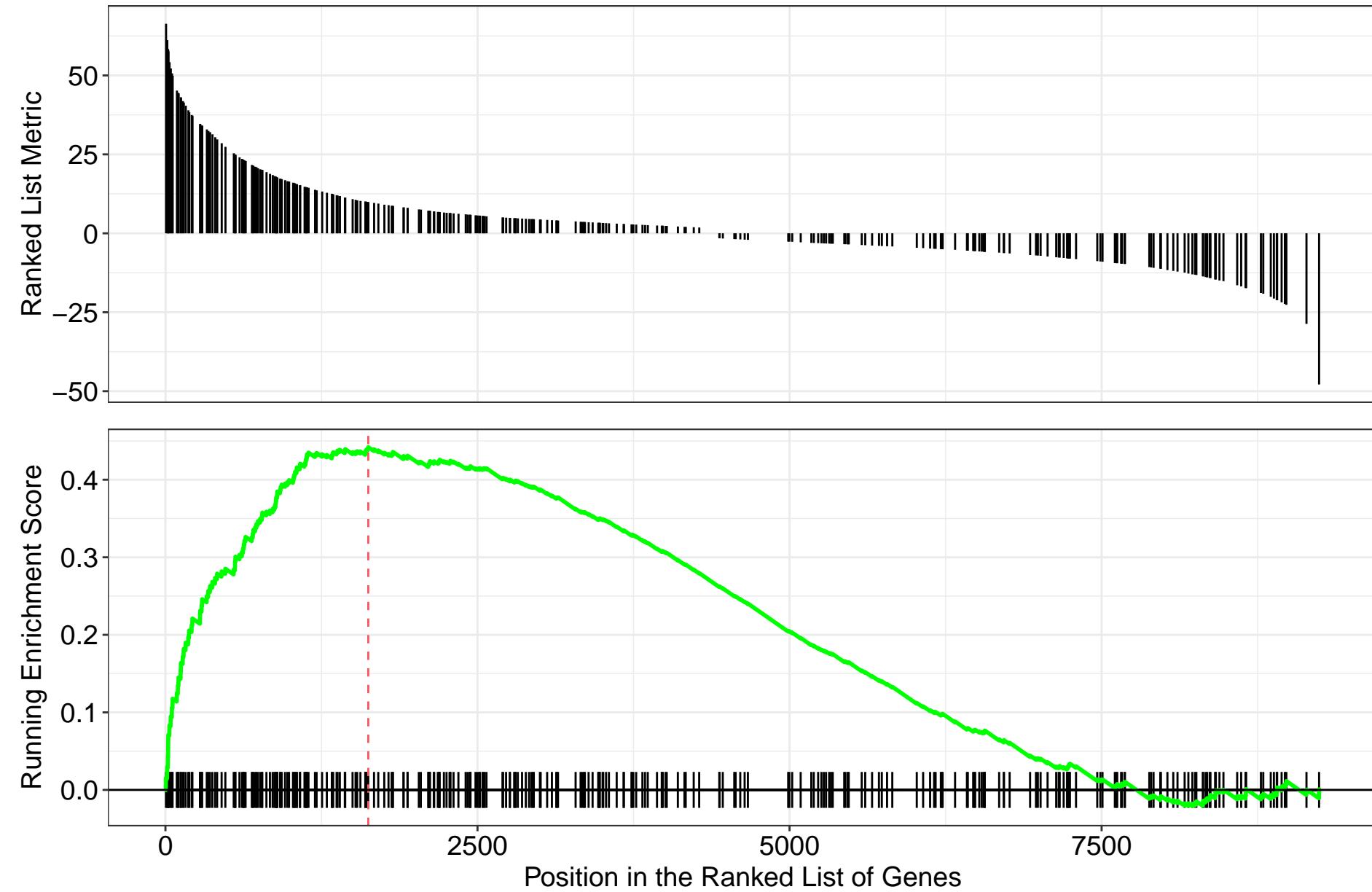
Ranked List Metric



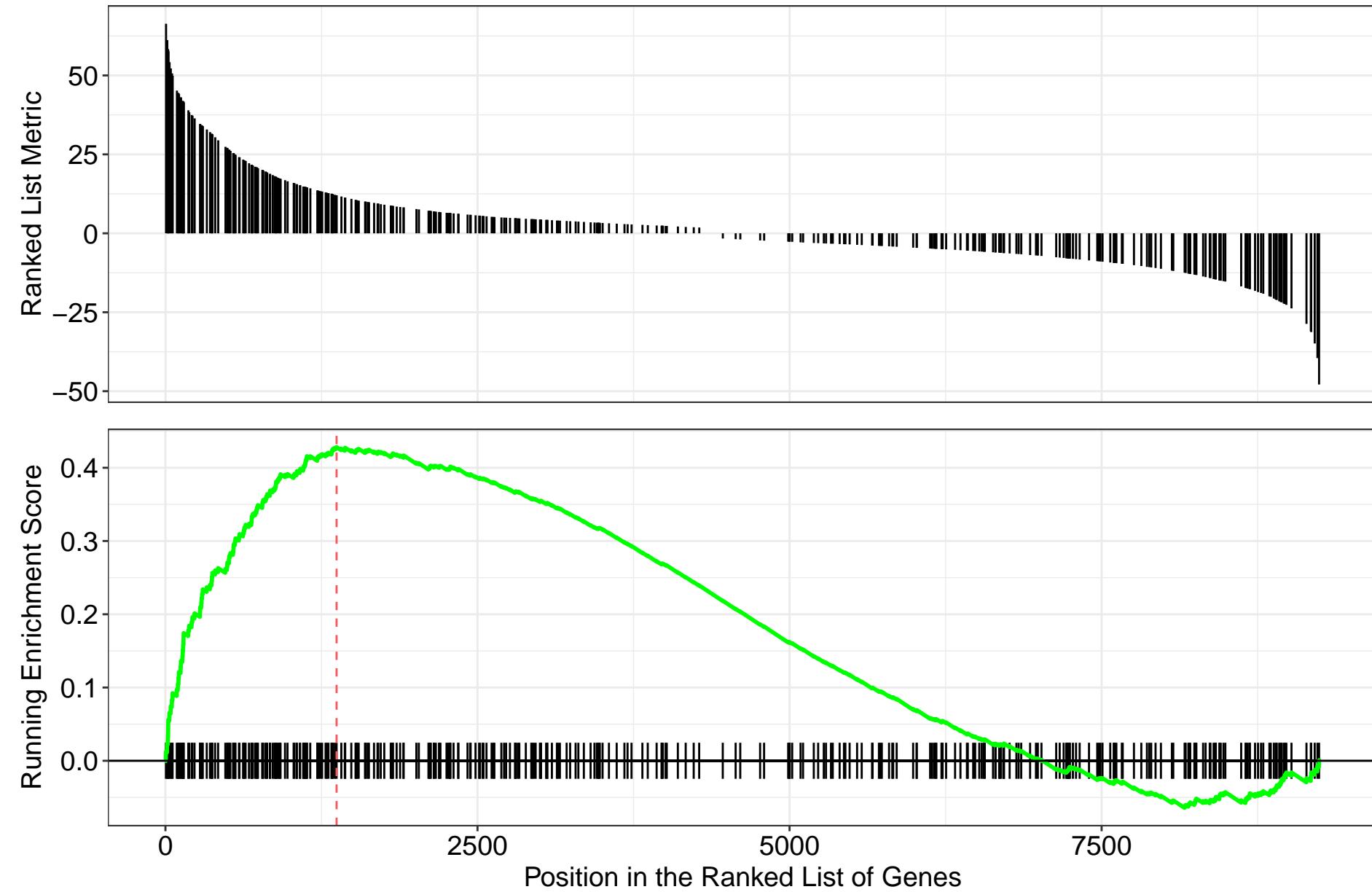
Running Enrichment Score



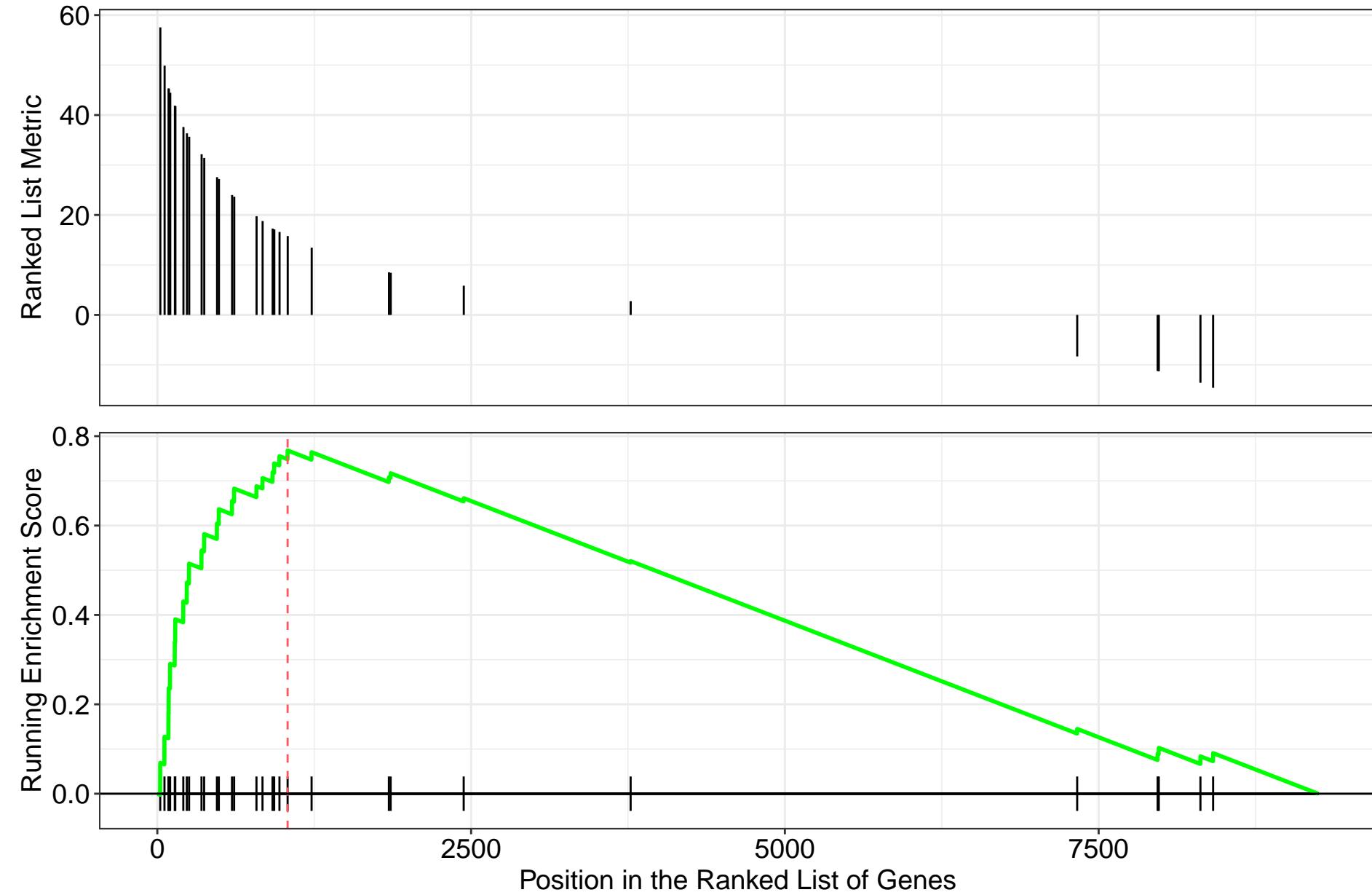
T cell activation



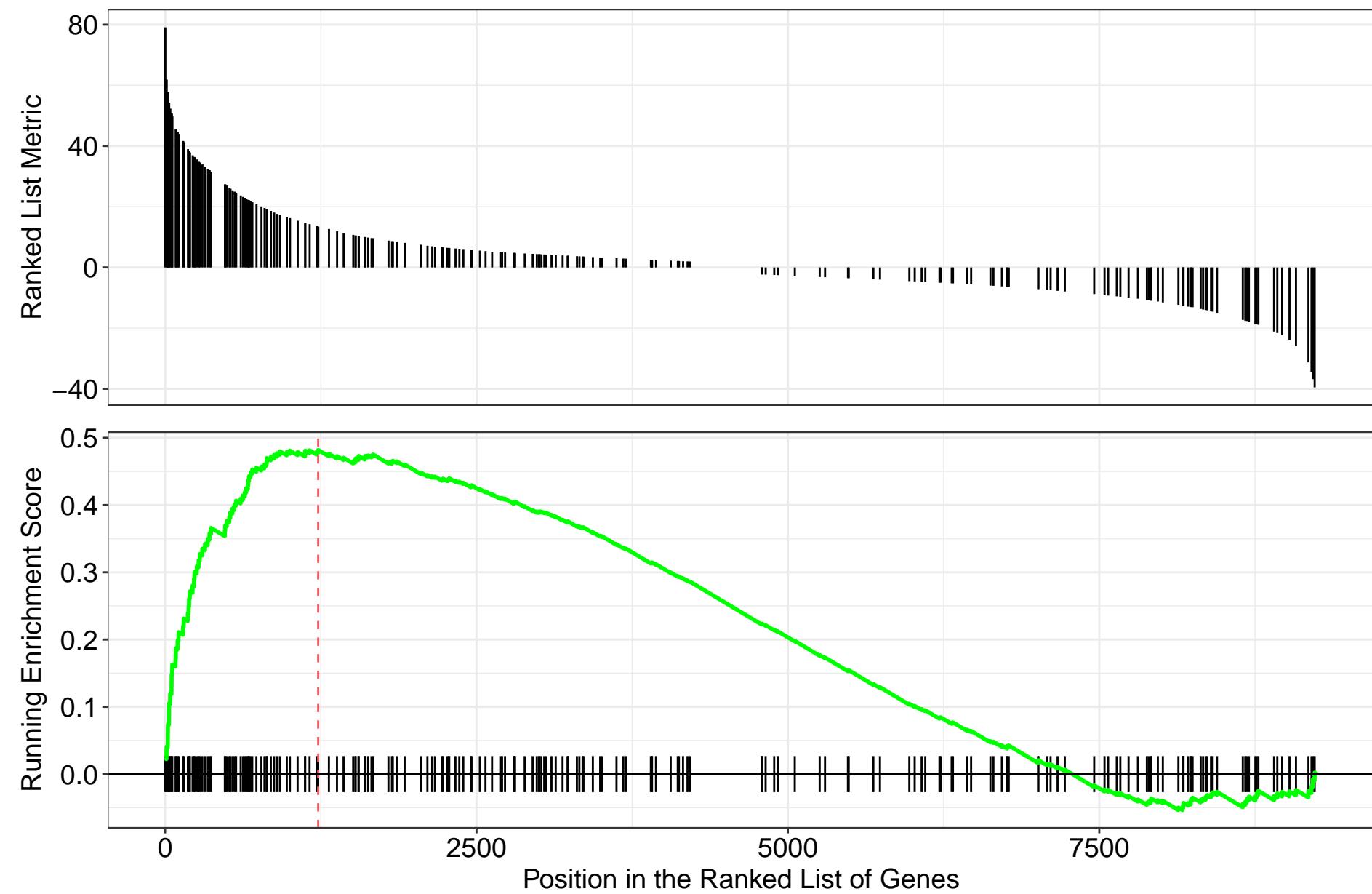
regulation of cell activation



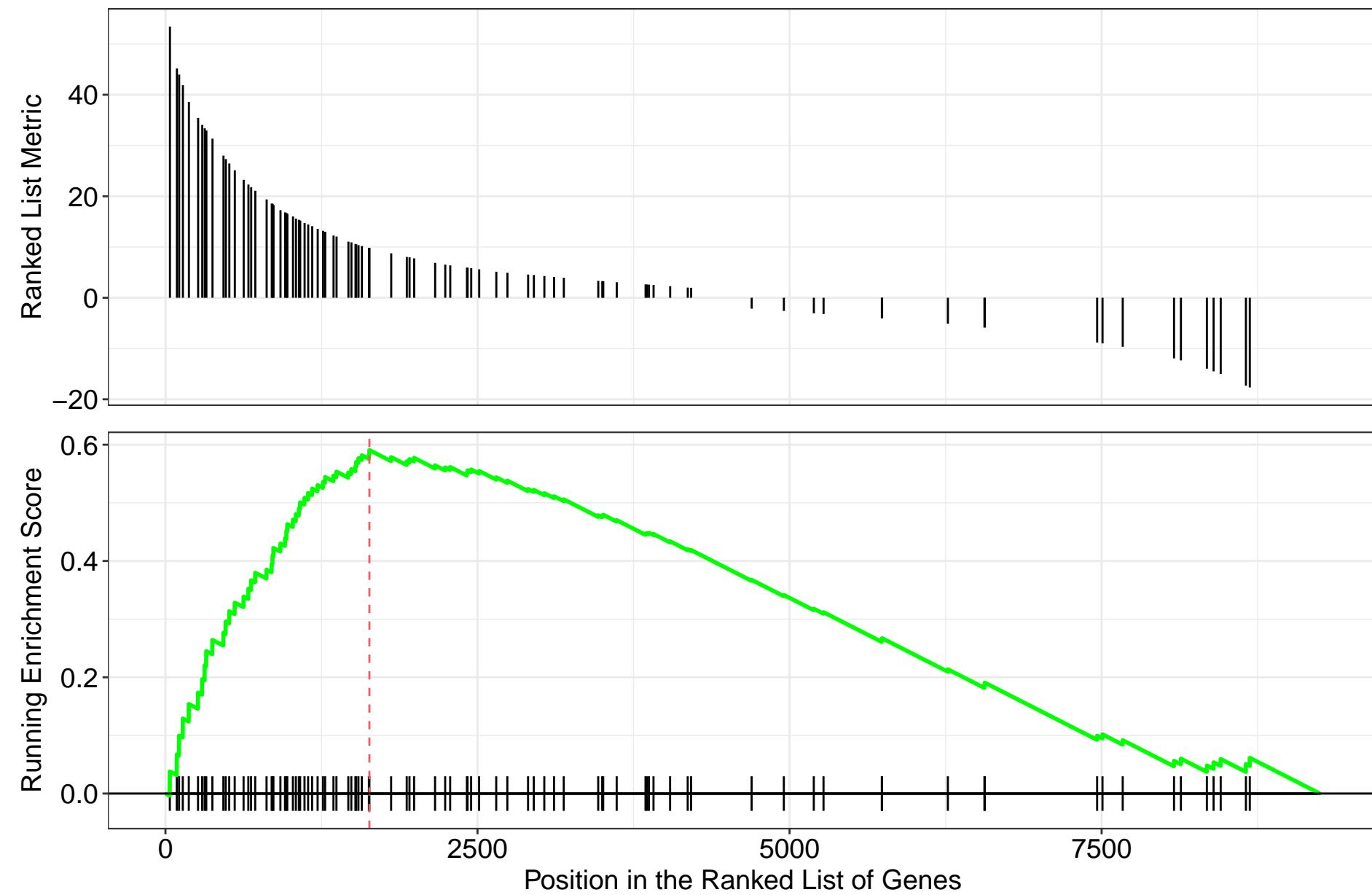
defense response to protozoan



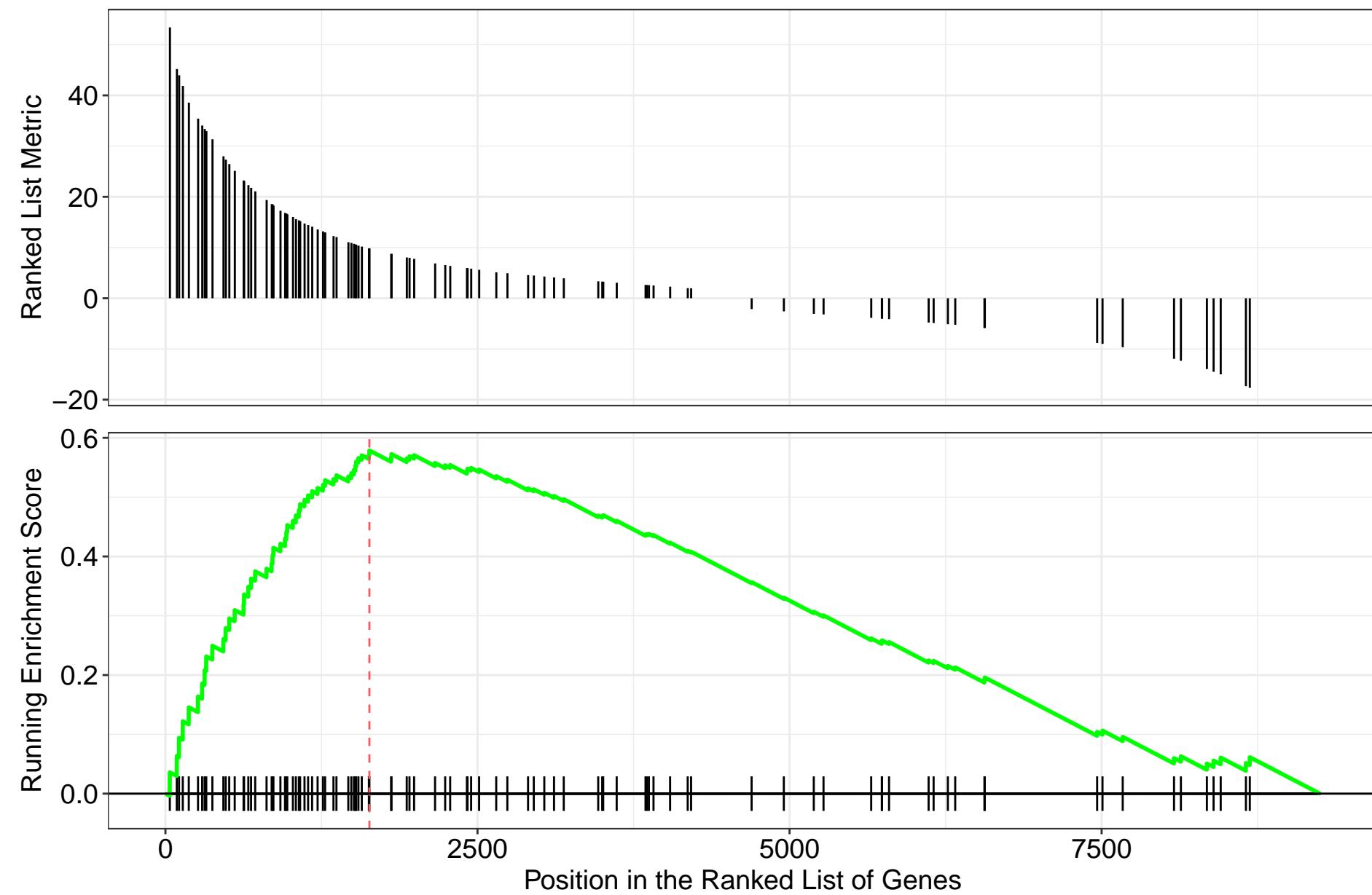
leukocyte migration



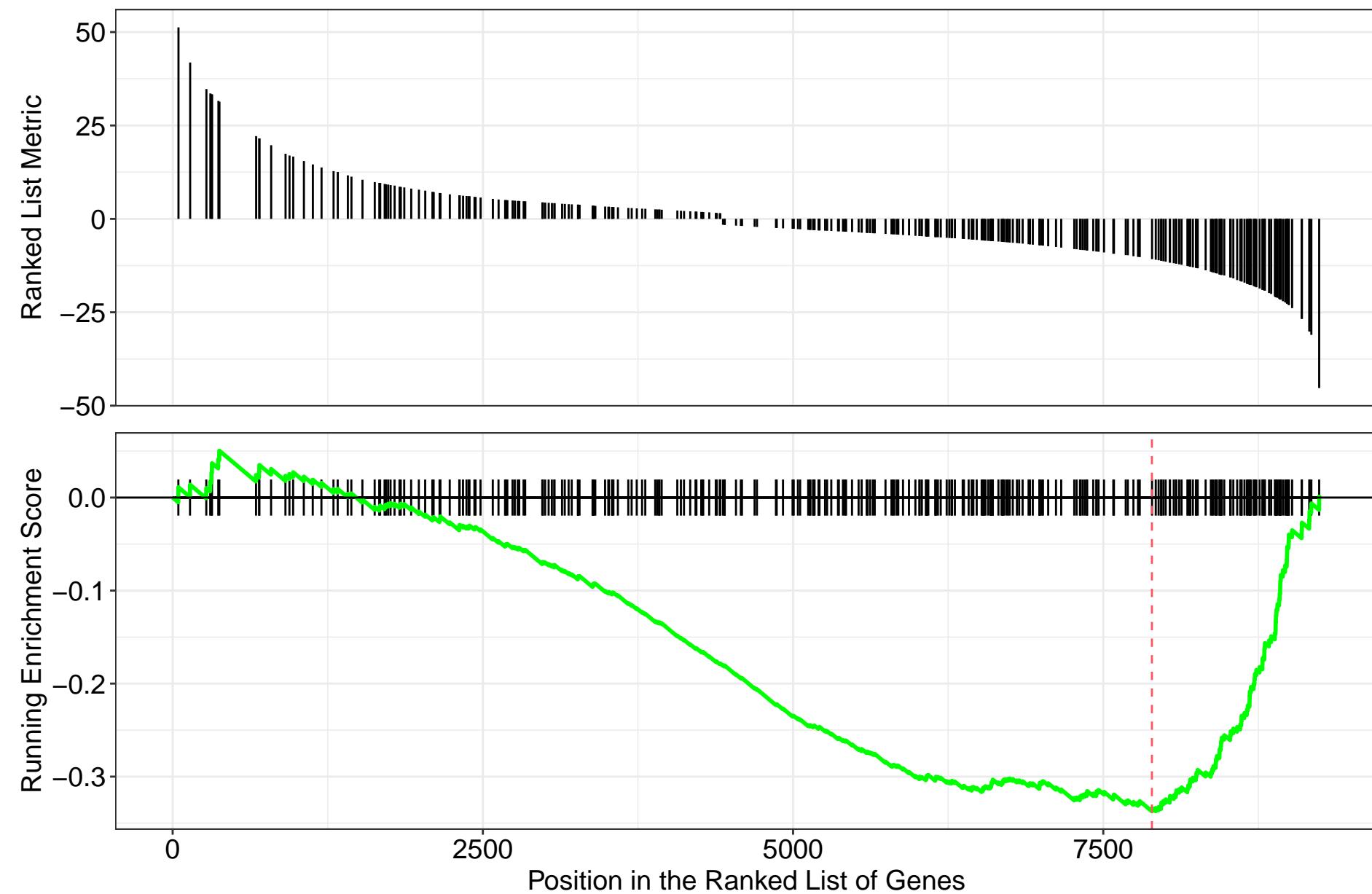
regulation of cytokine-mediated signaling pathway



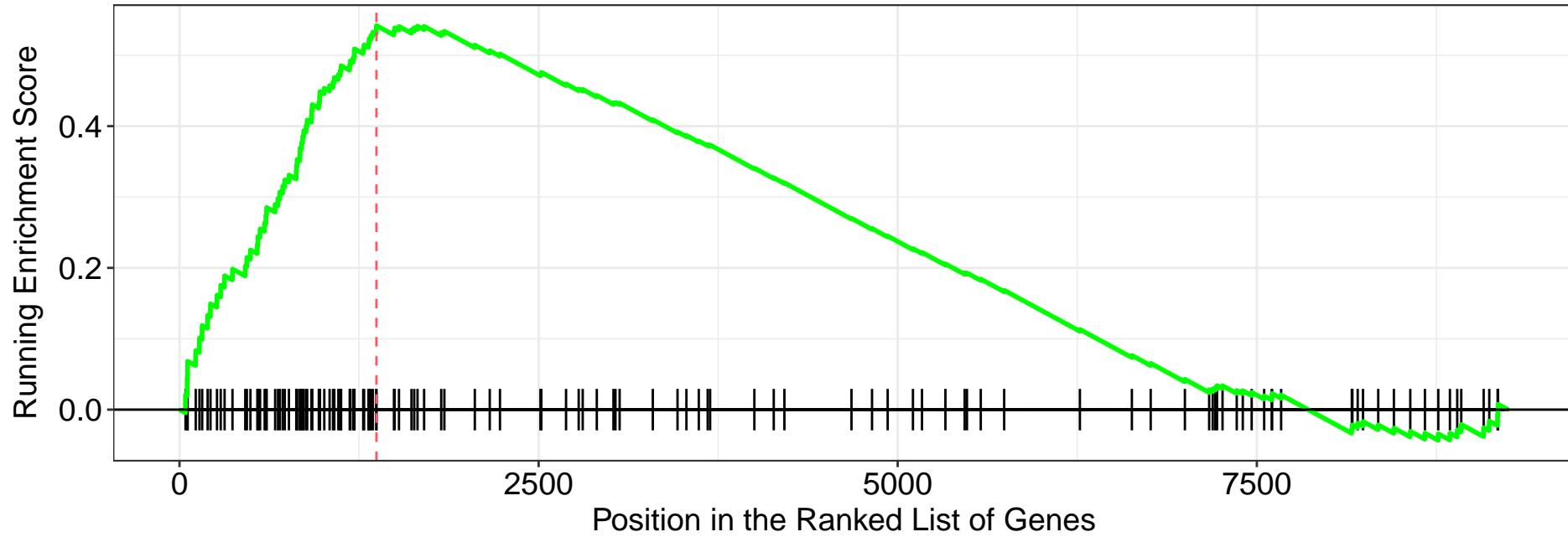
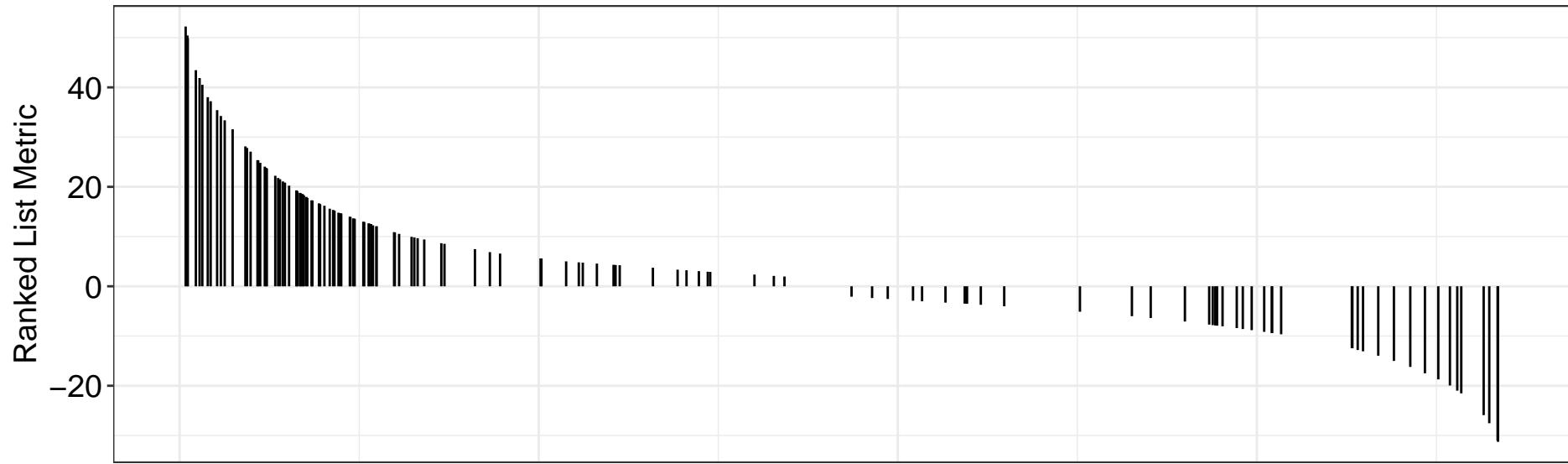
regulation of response to cytokine stimulus



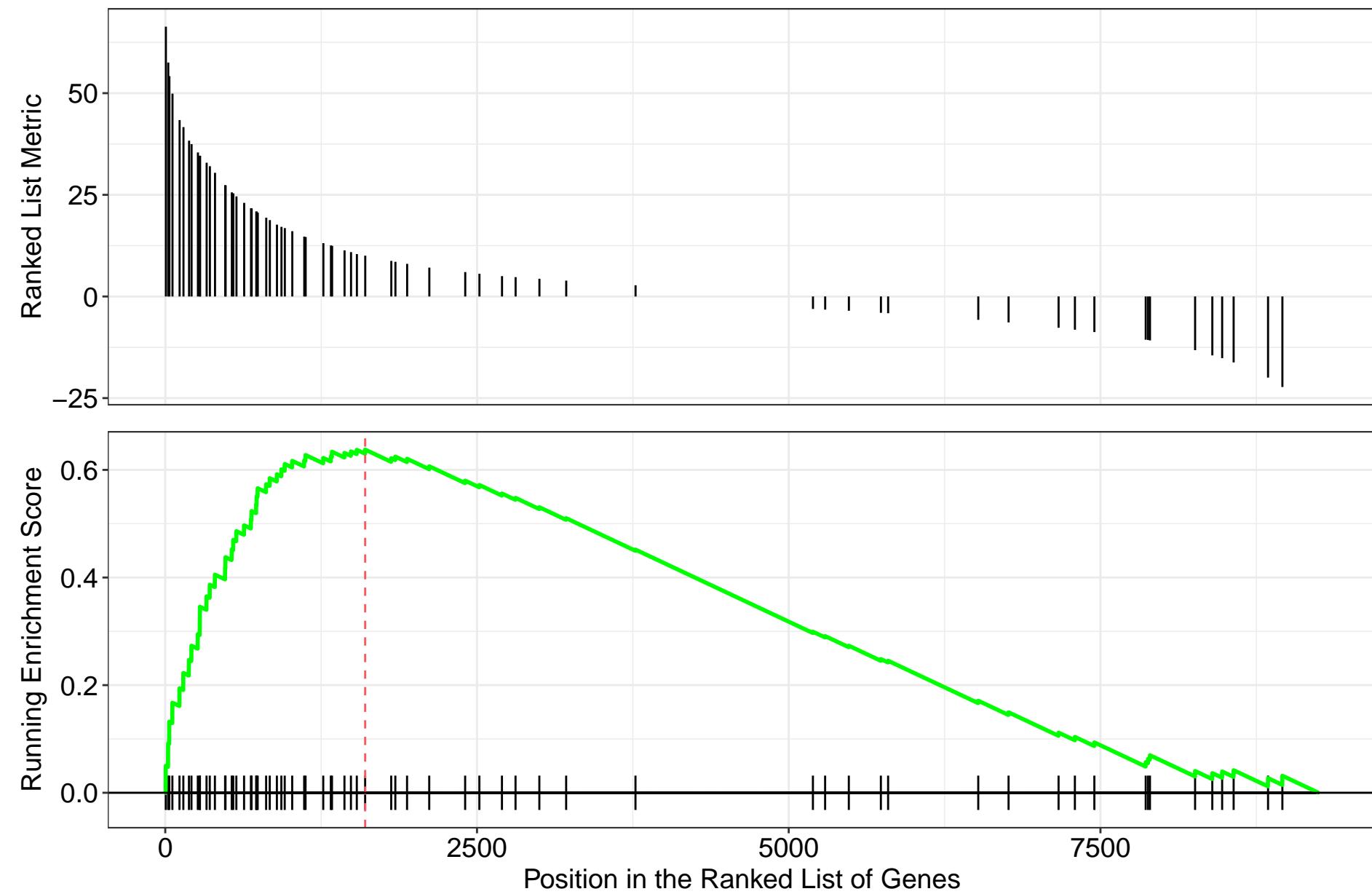
microtubule cytoskeleton organization



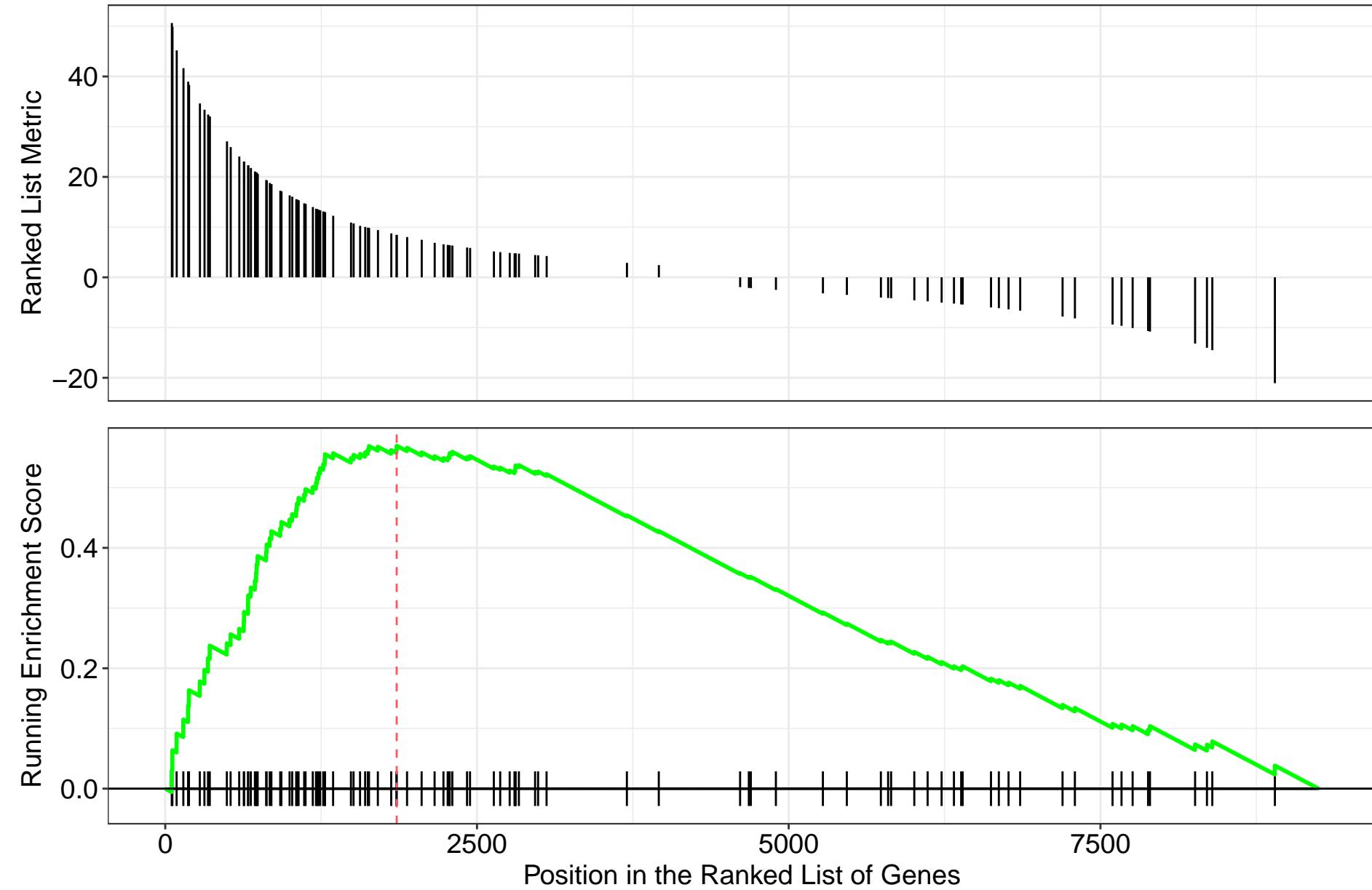
negative regulation of defense response



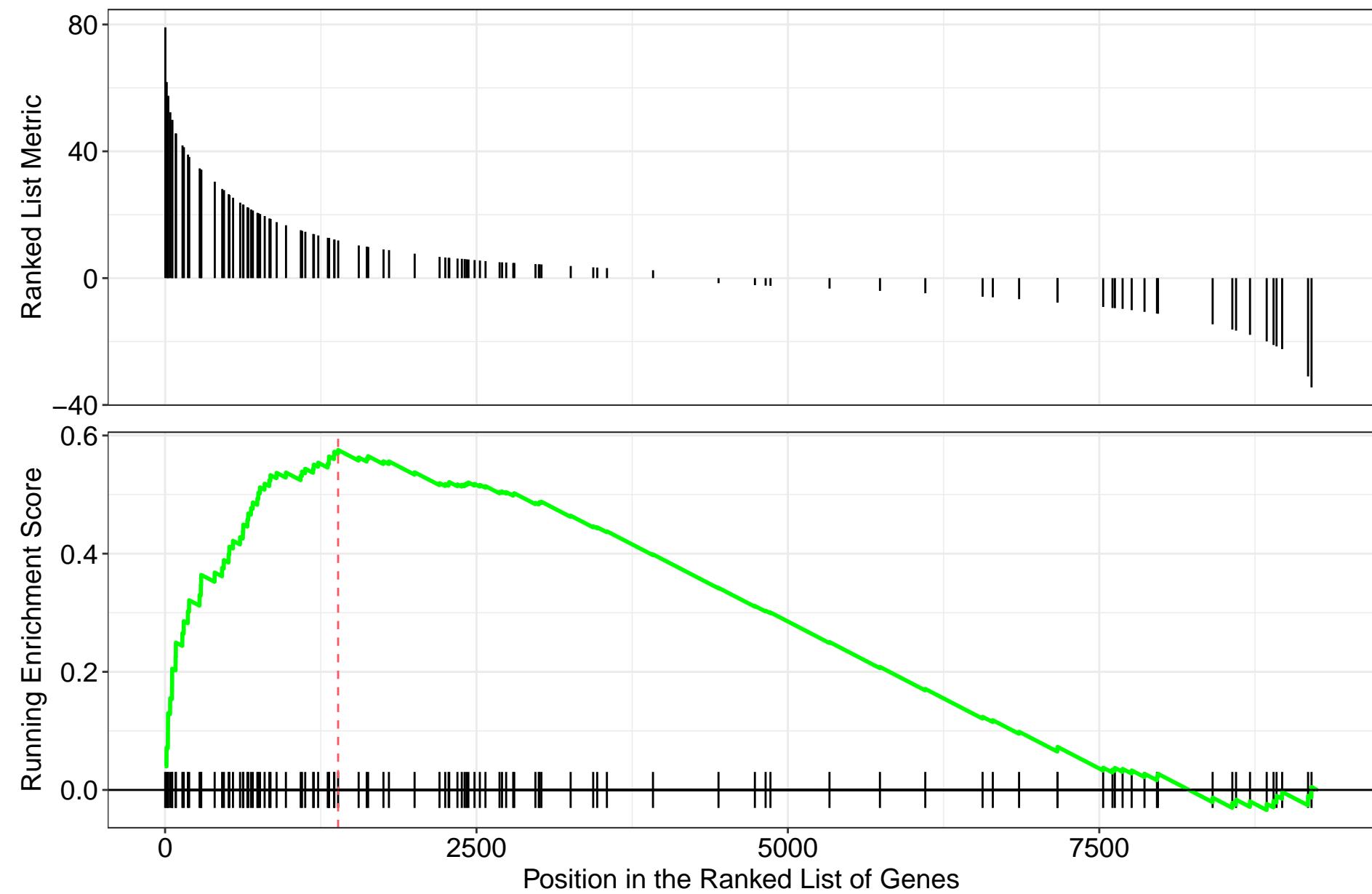
regulation of interferon-gamma production



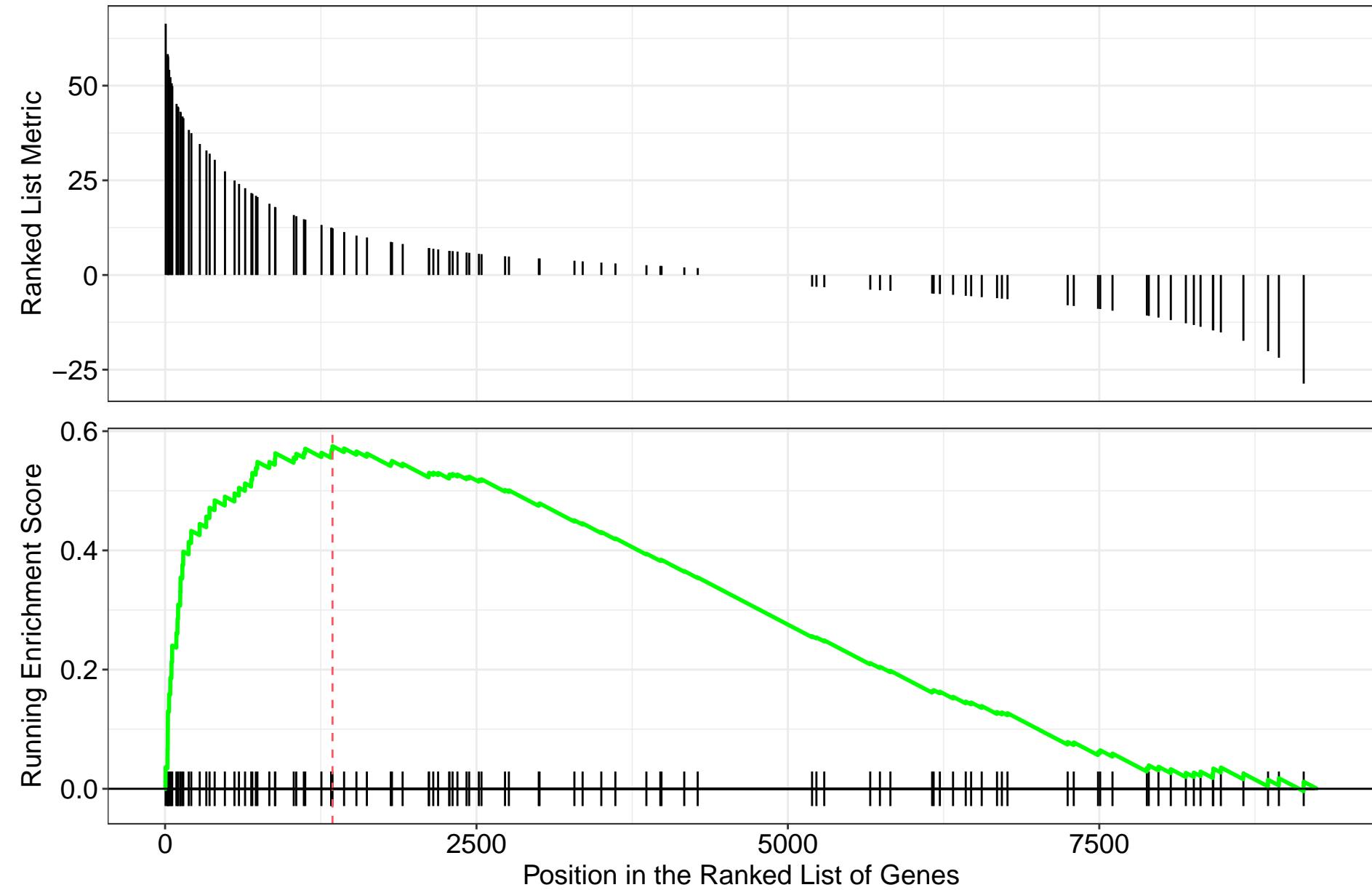
regulation of tumor necrosis factor production



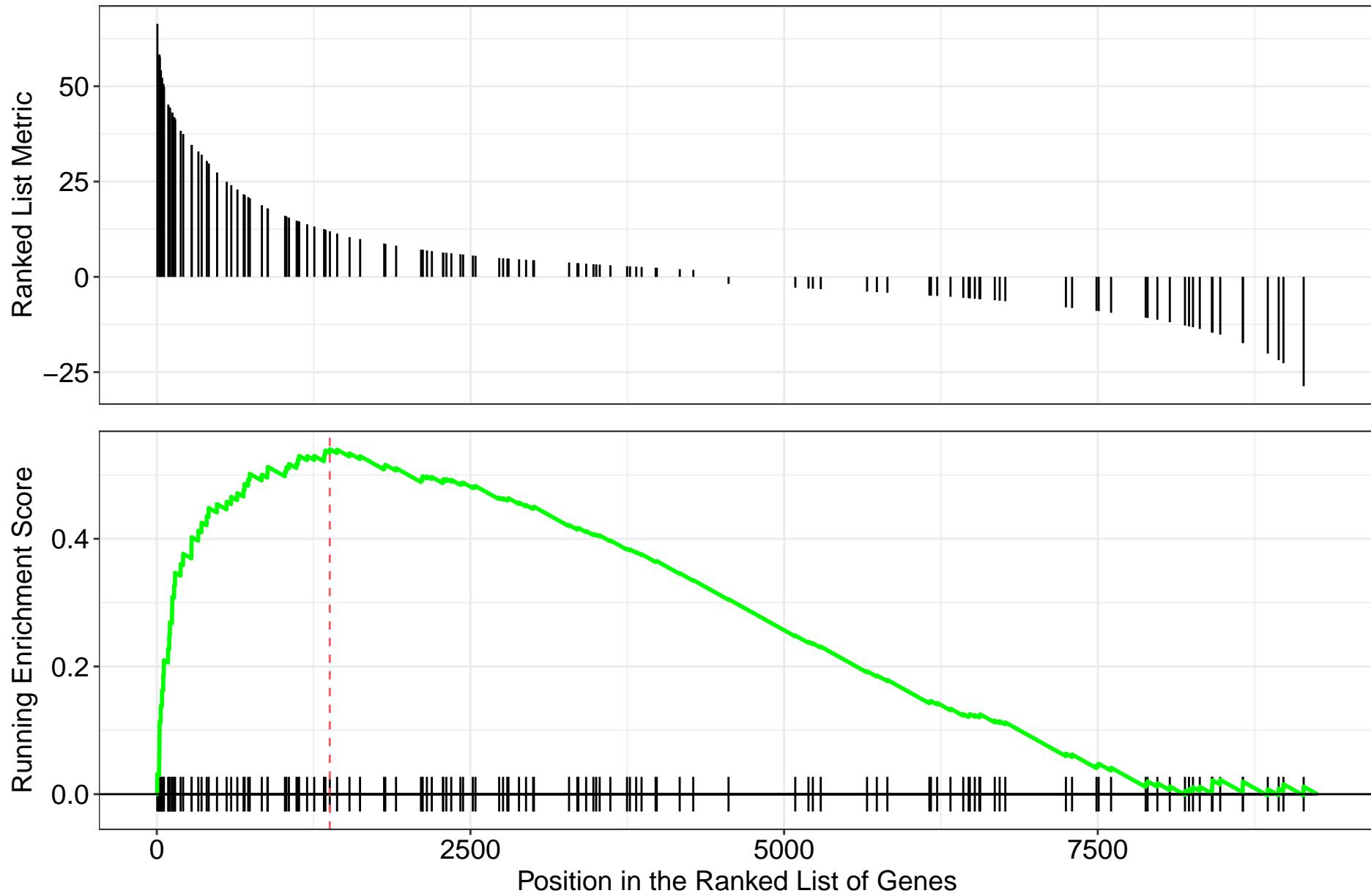
cell killing



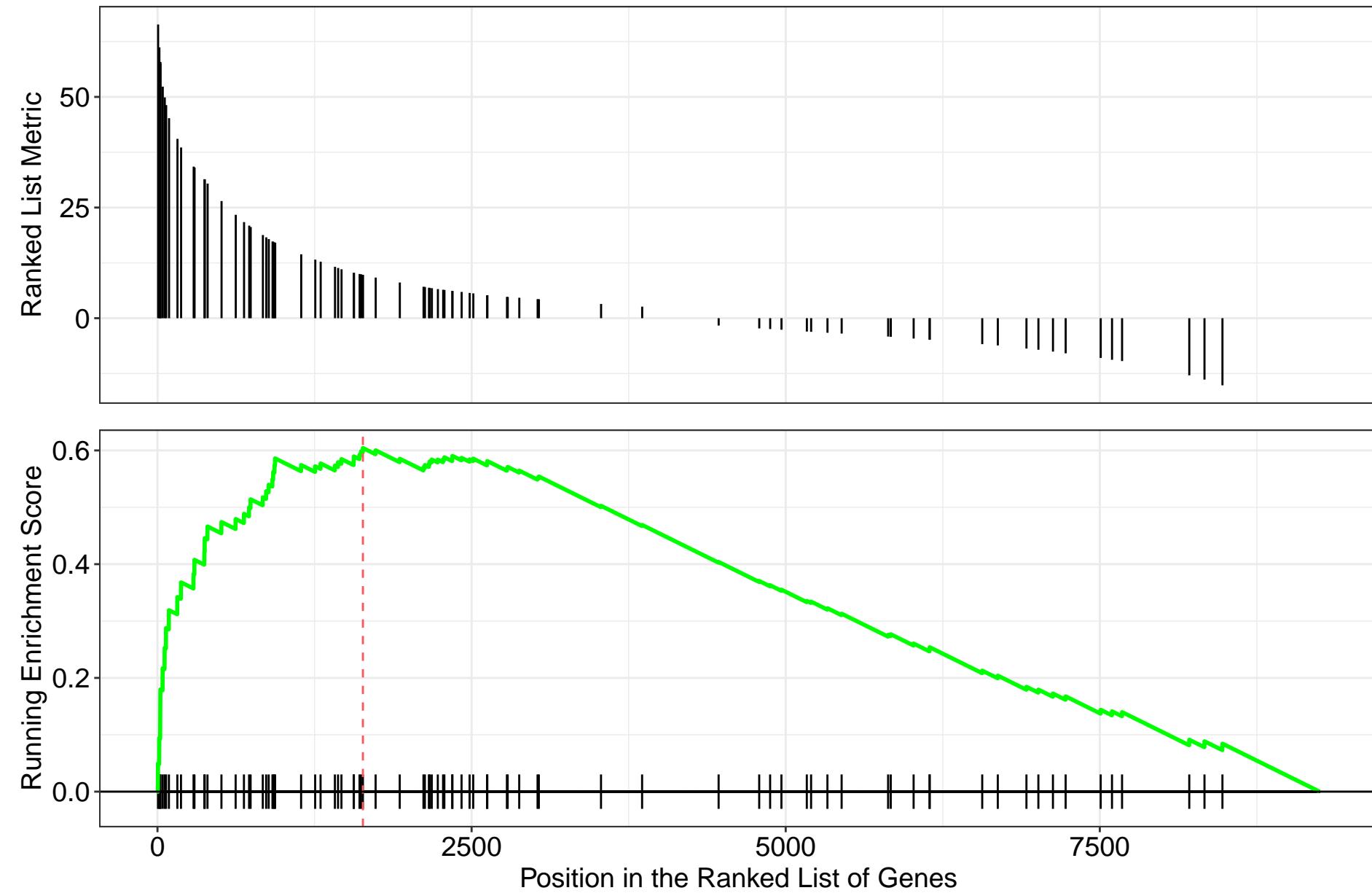
regulation of T cell proliferation



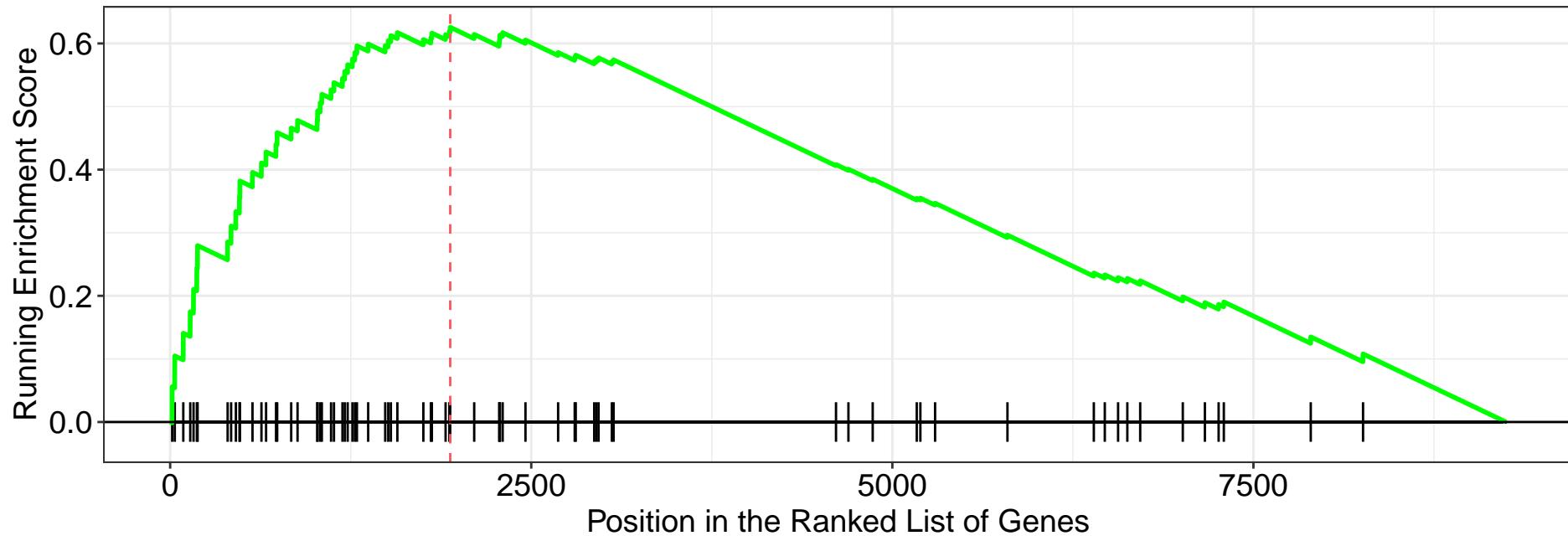
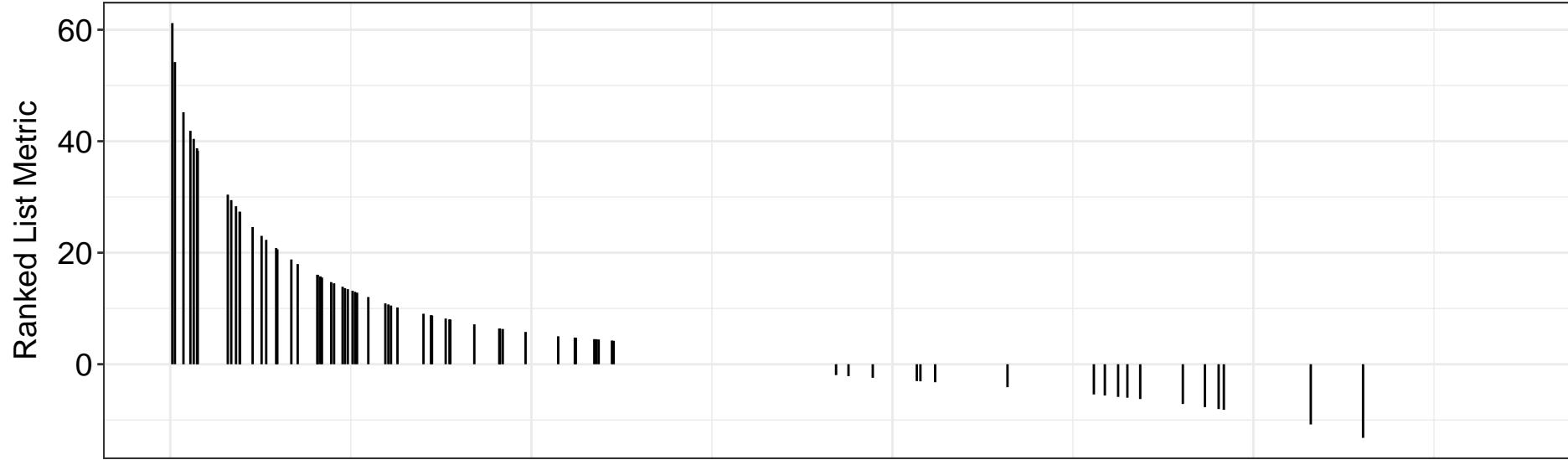
T cell proliferation



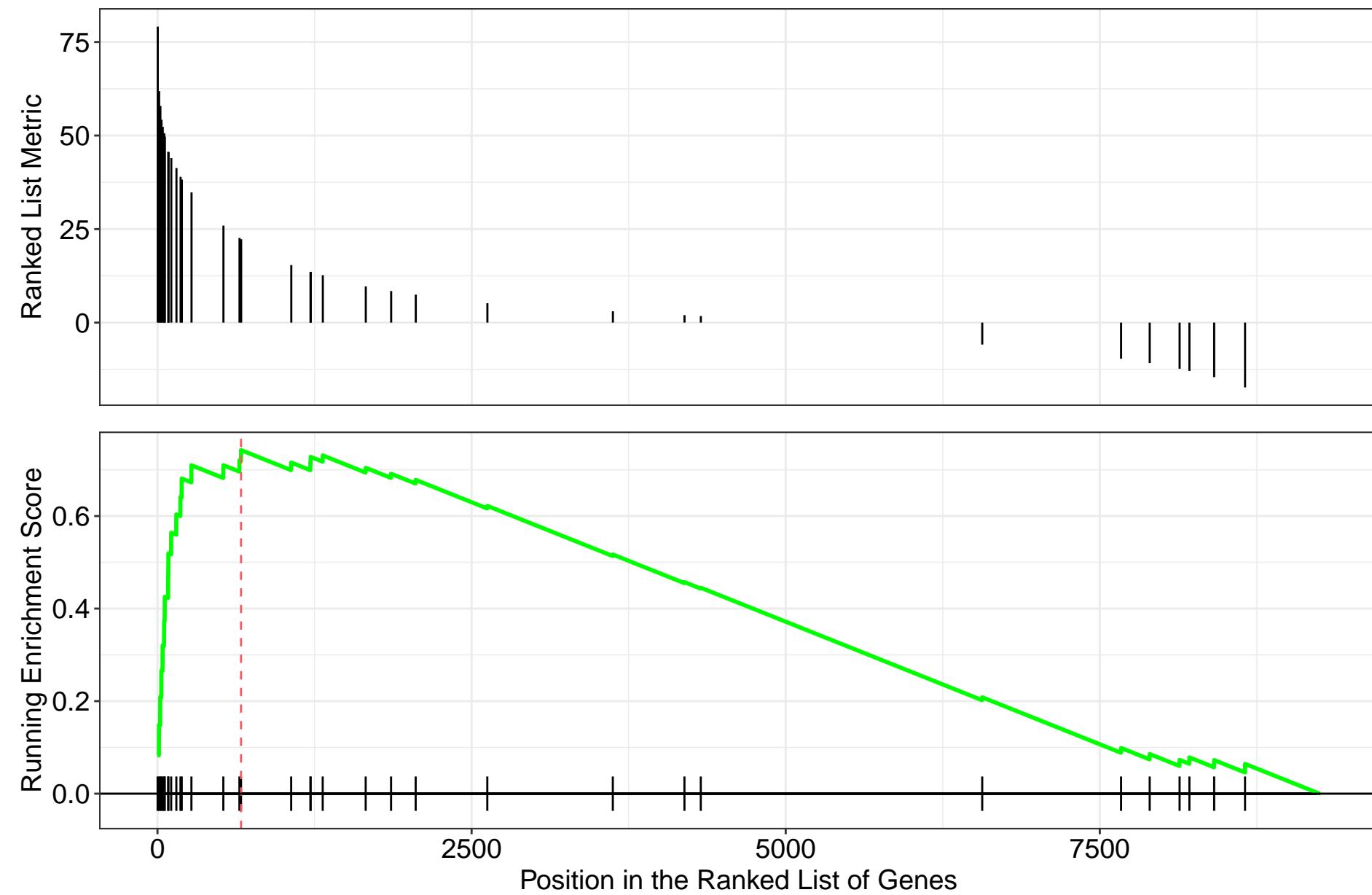
receptor signaling pathway via JAK–STAT



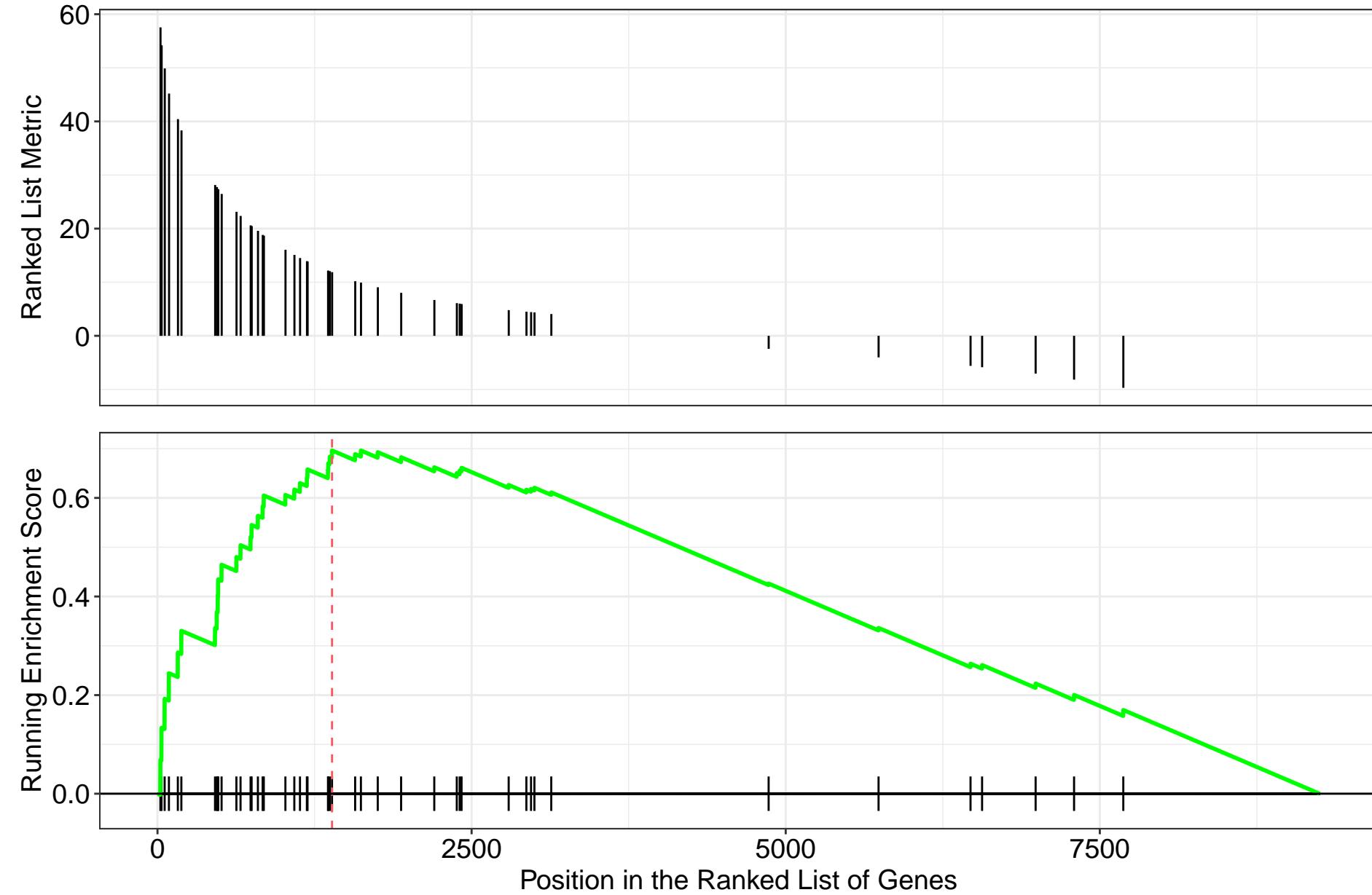
regulation of cytokine production involved in immune response



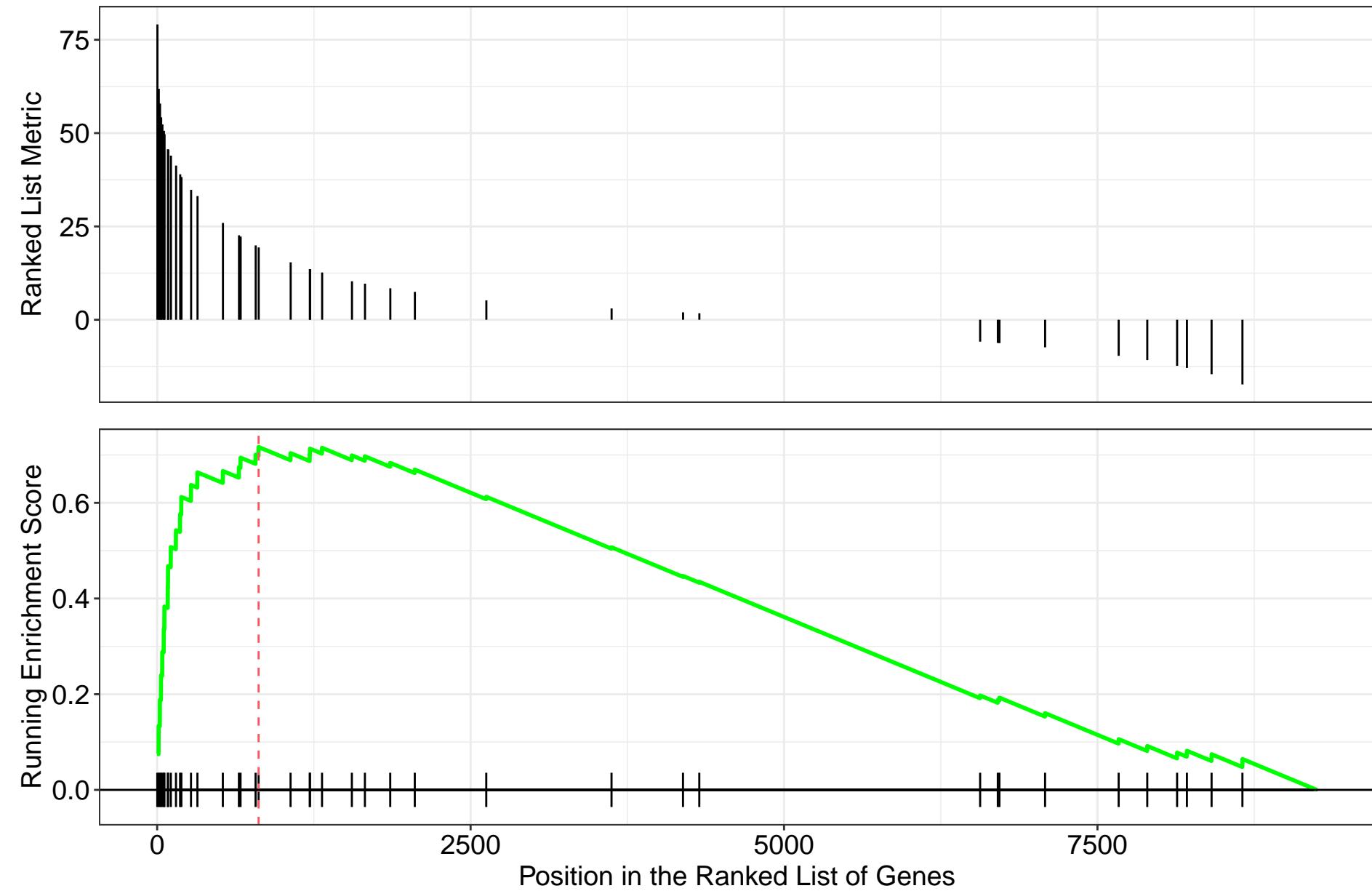
chemokine-mediated signaling pathway



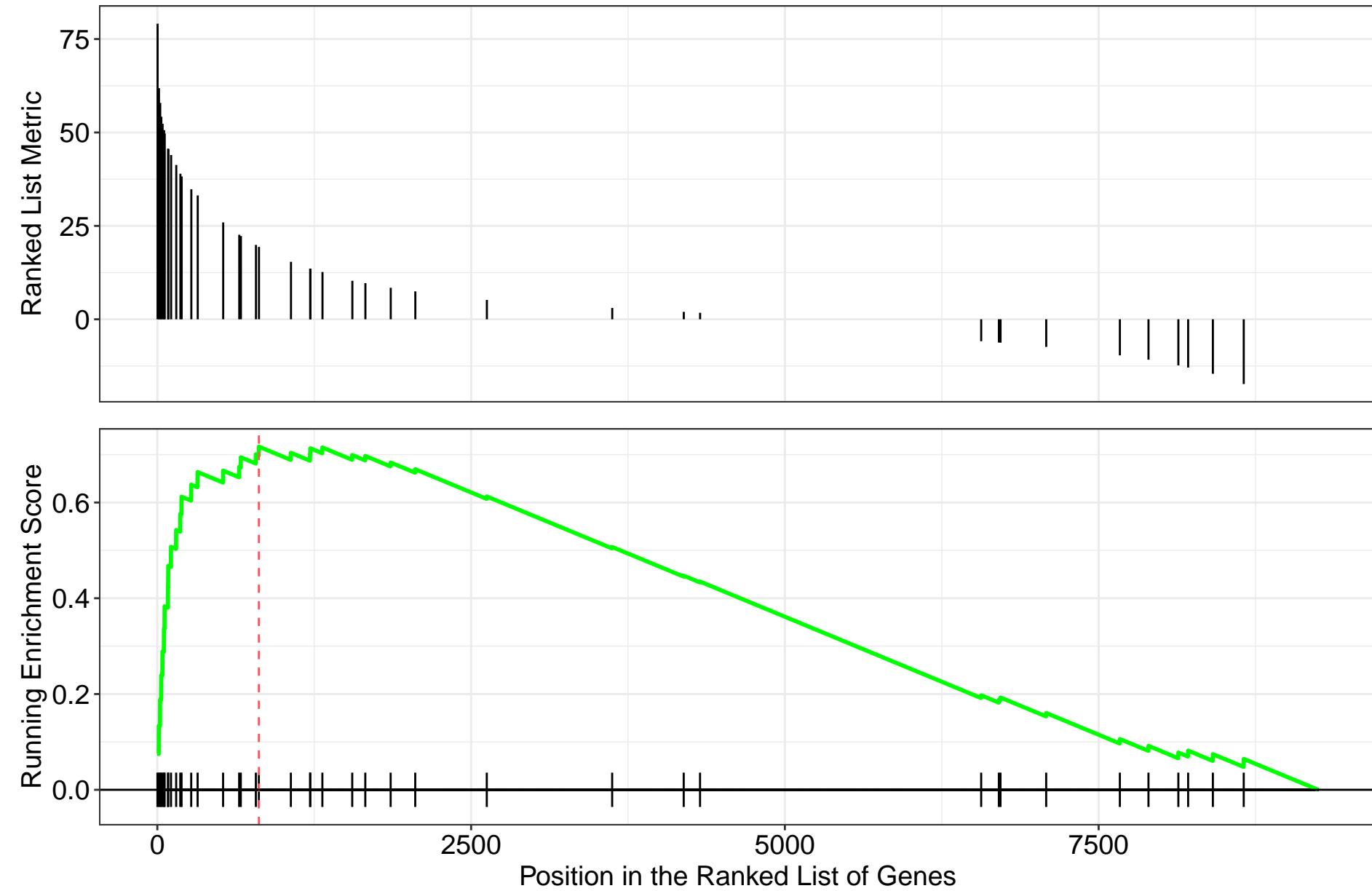
positive regulation of T cell mediated immunity



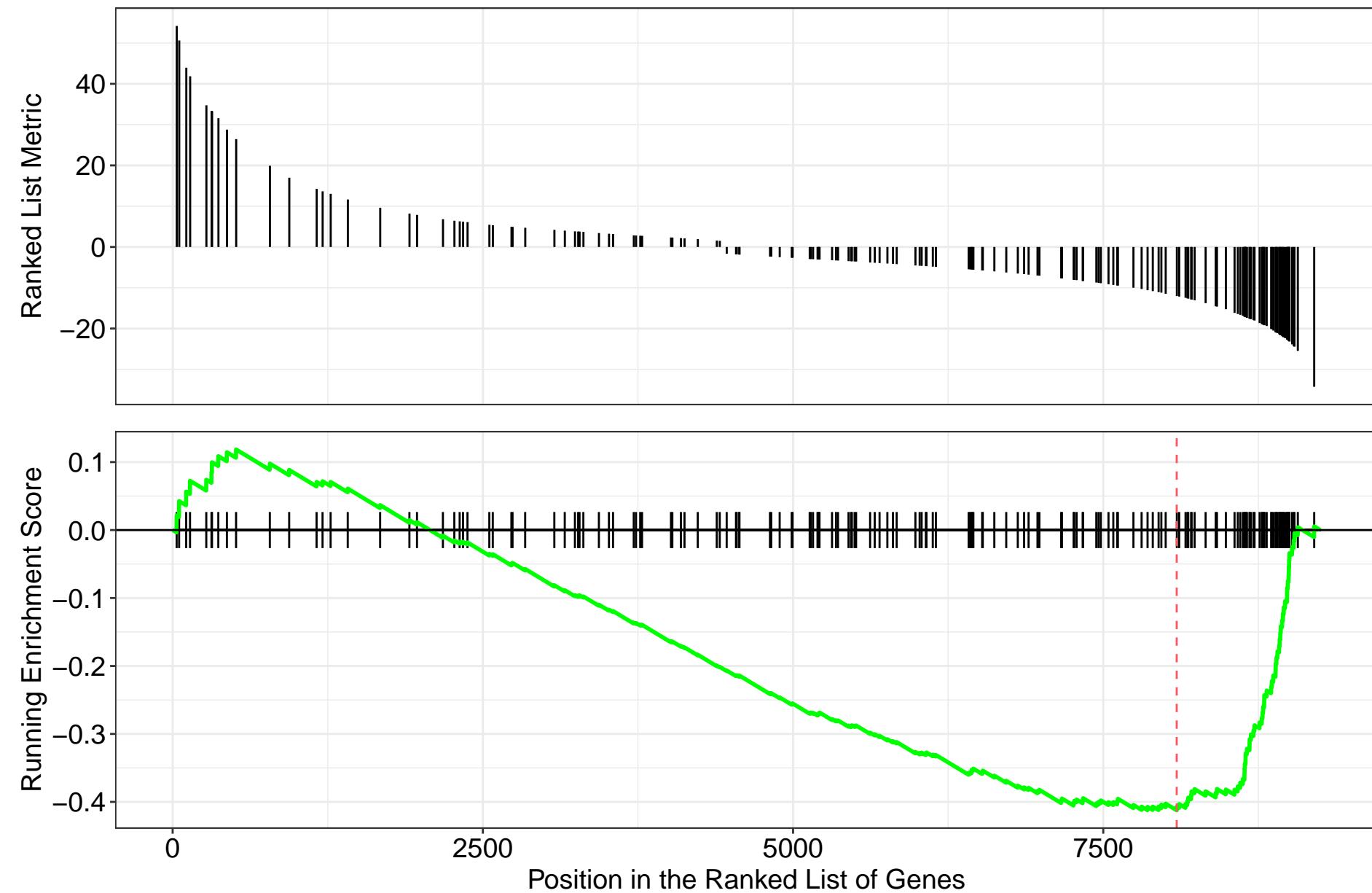
response to chemokine



cellular response to chemokine



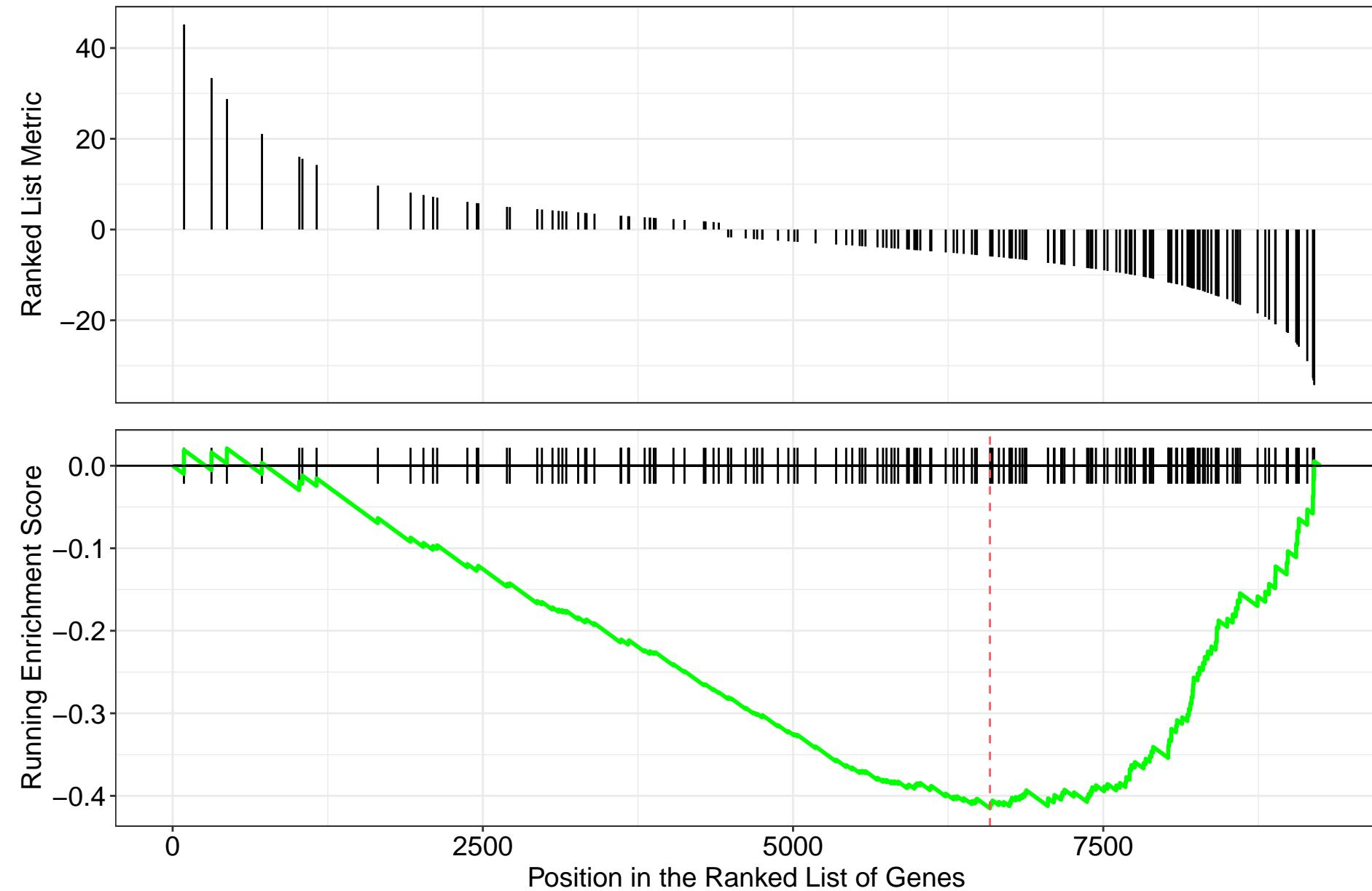
mitotic nuclear division



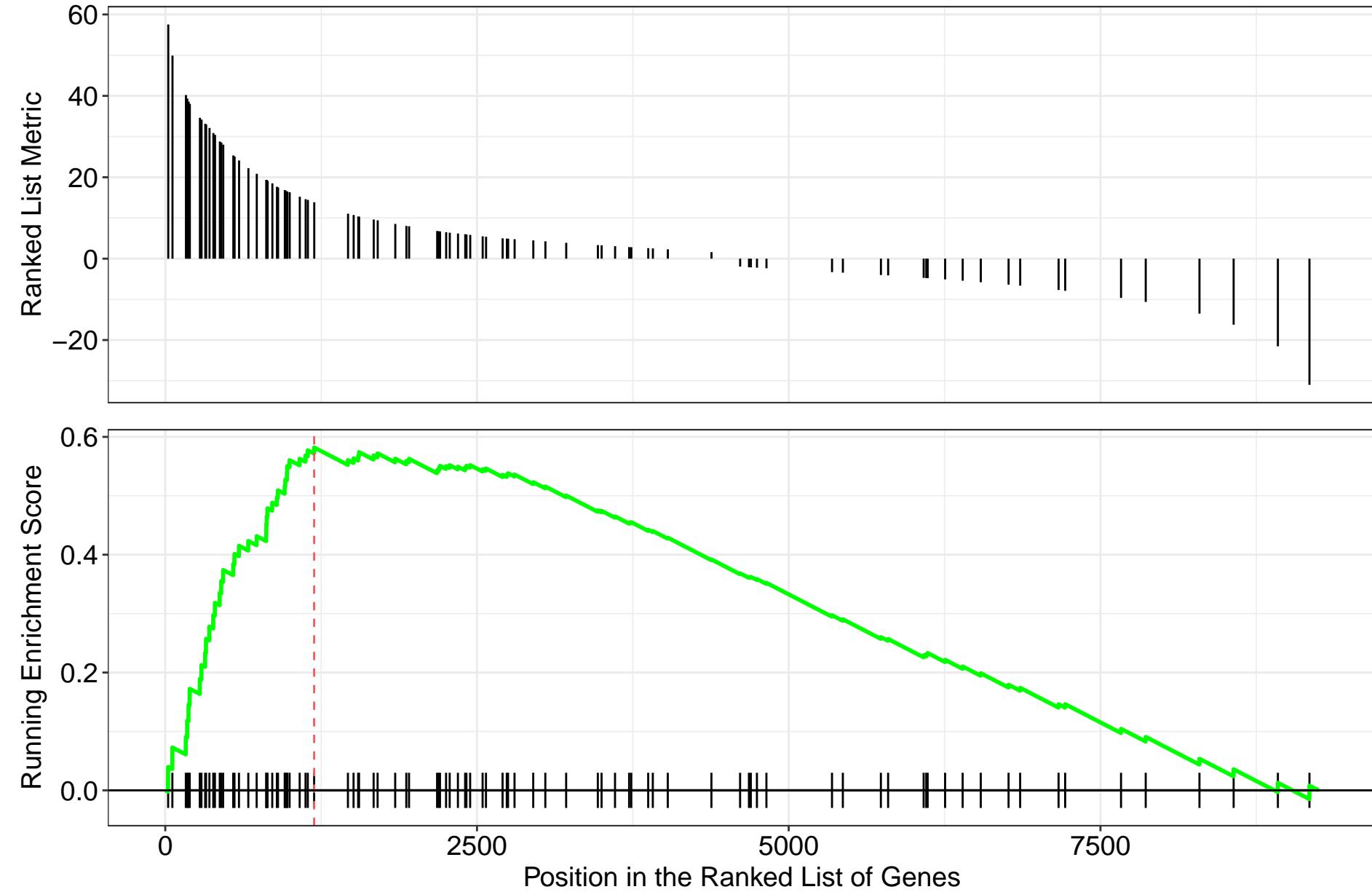
receptor signaling pathway via STAT



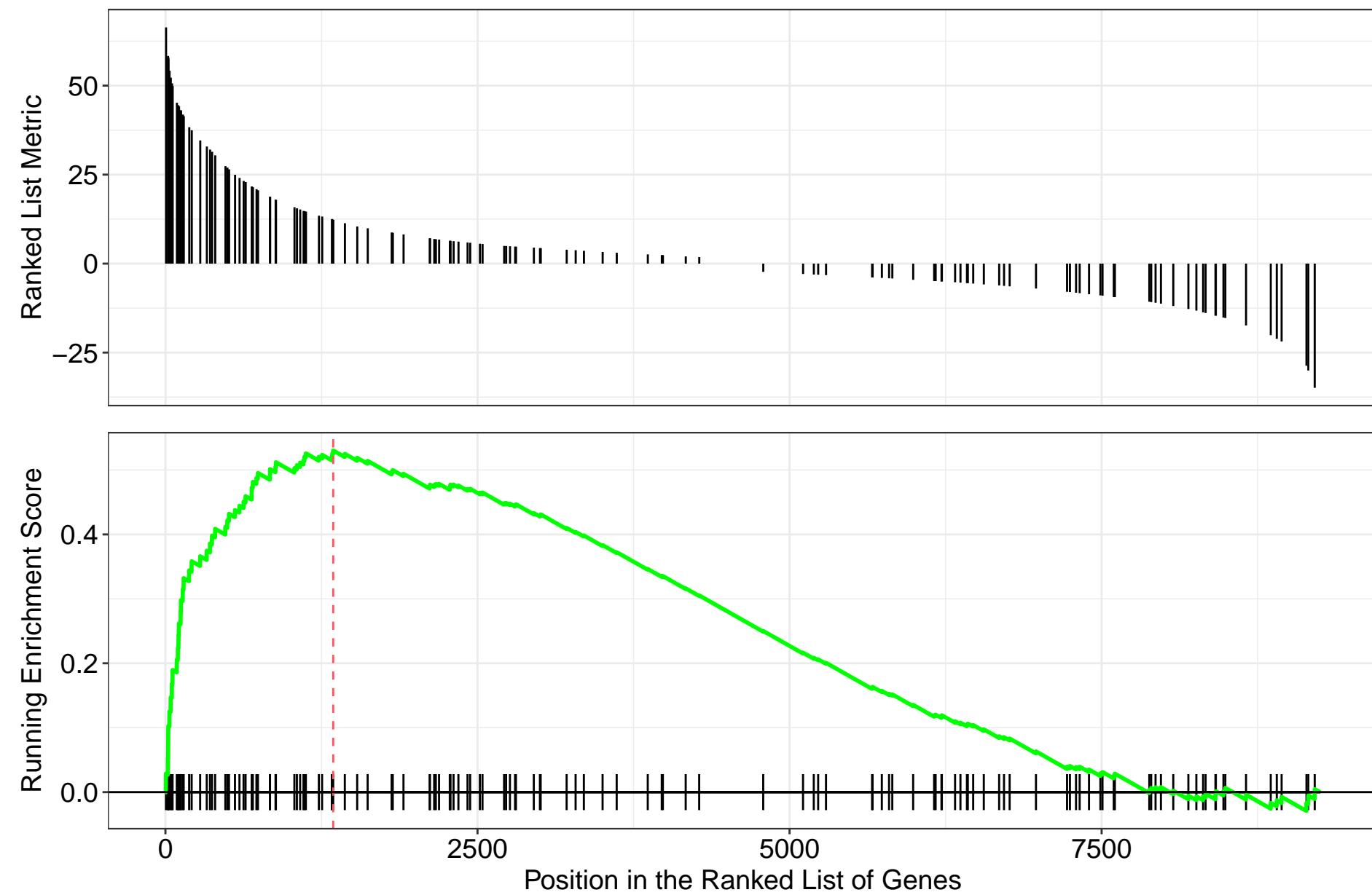
DNA replication



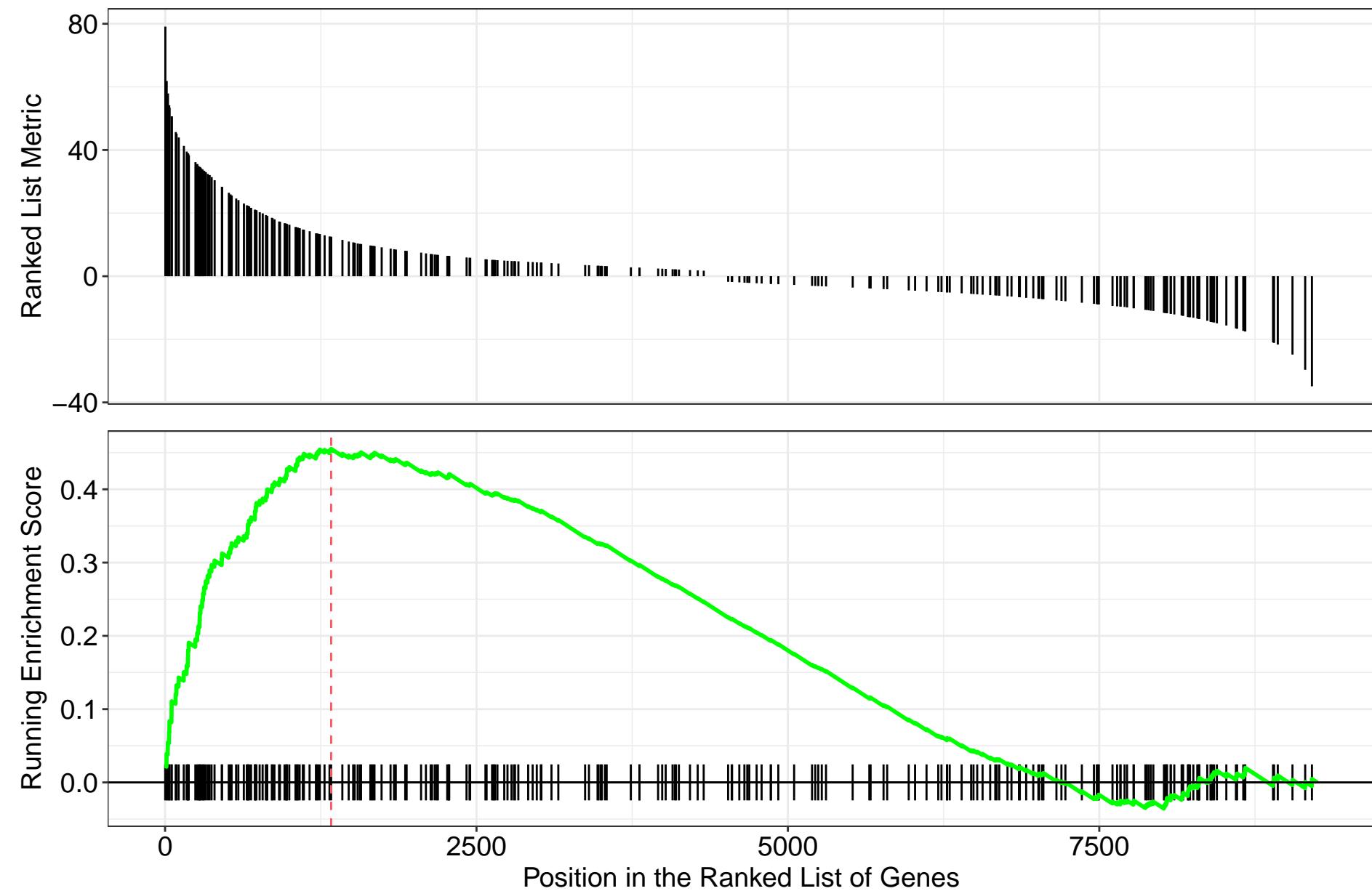
positive regulation of innate immune response



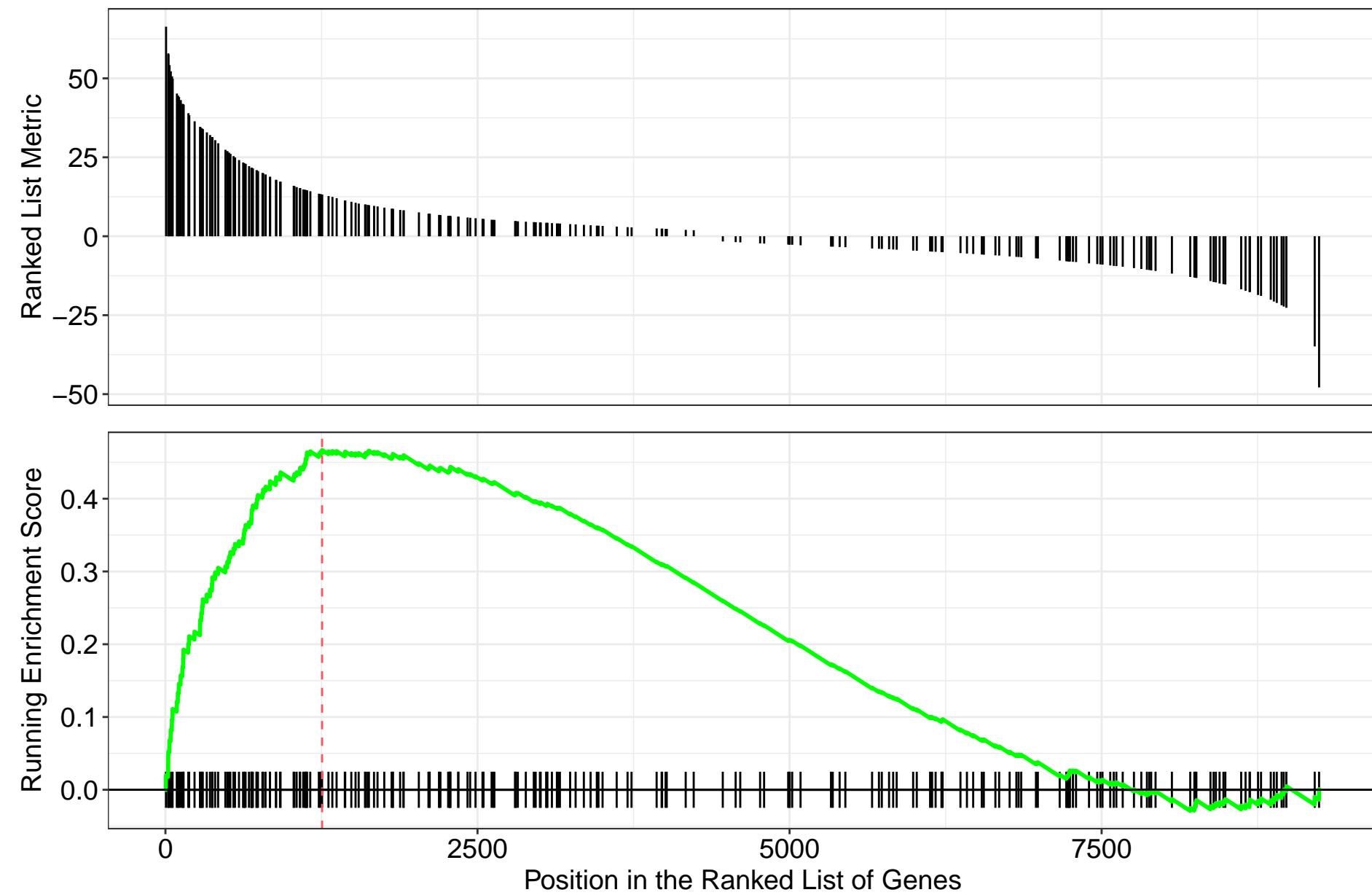
regulation of mononuclear cell proliferation



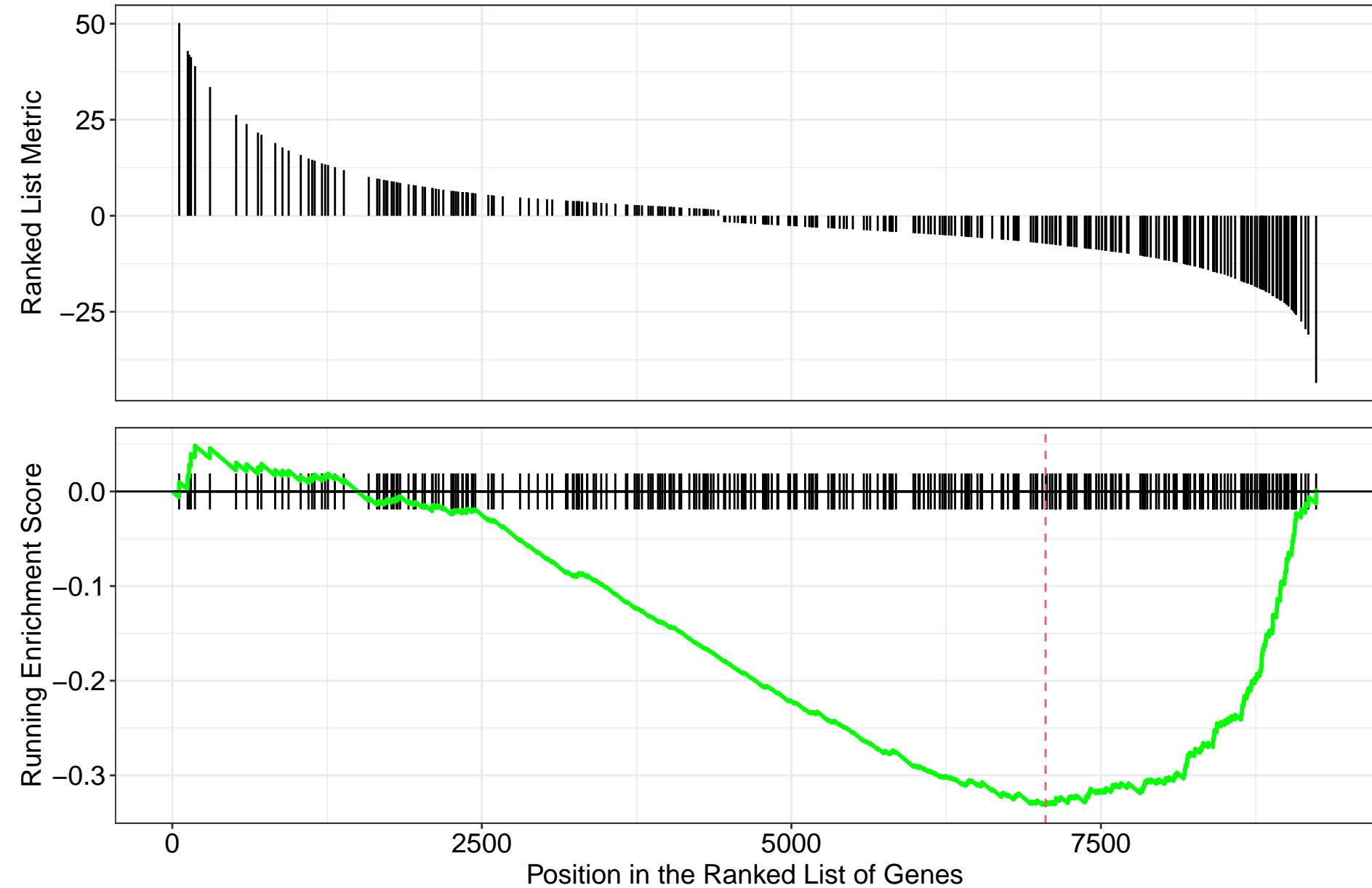
positive regulation of MAPK cascade



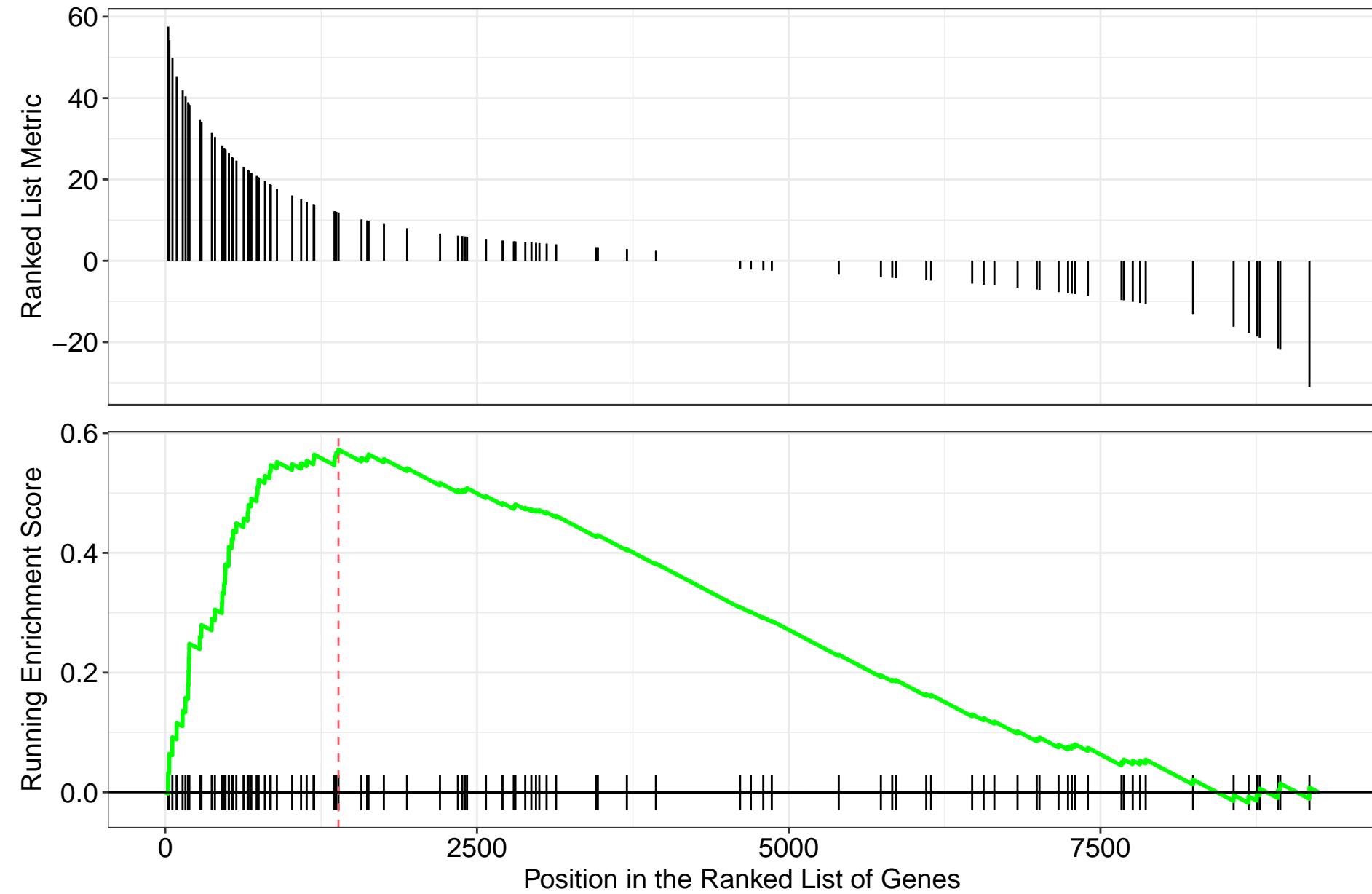
positive regulation of cell activation



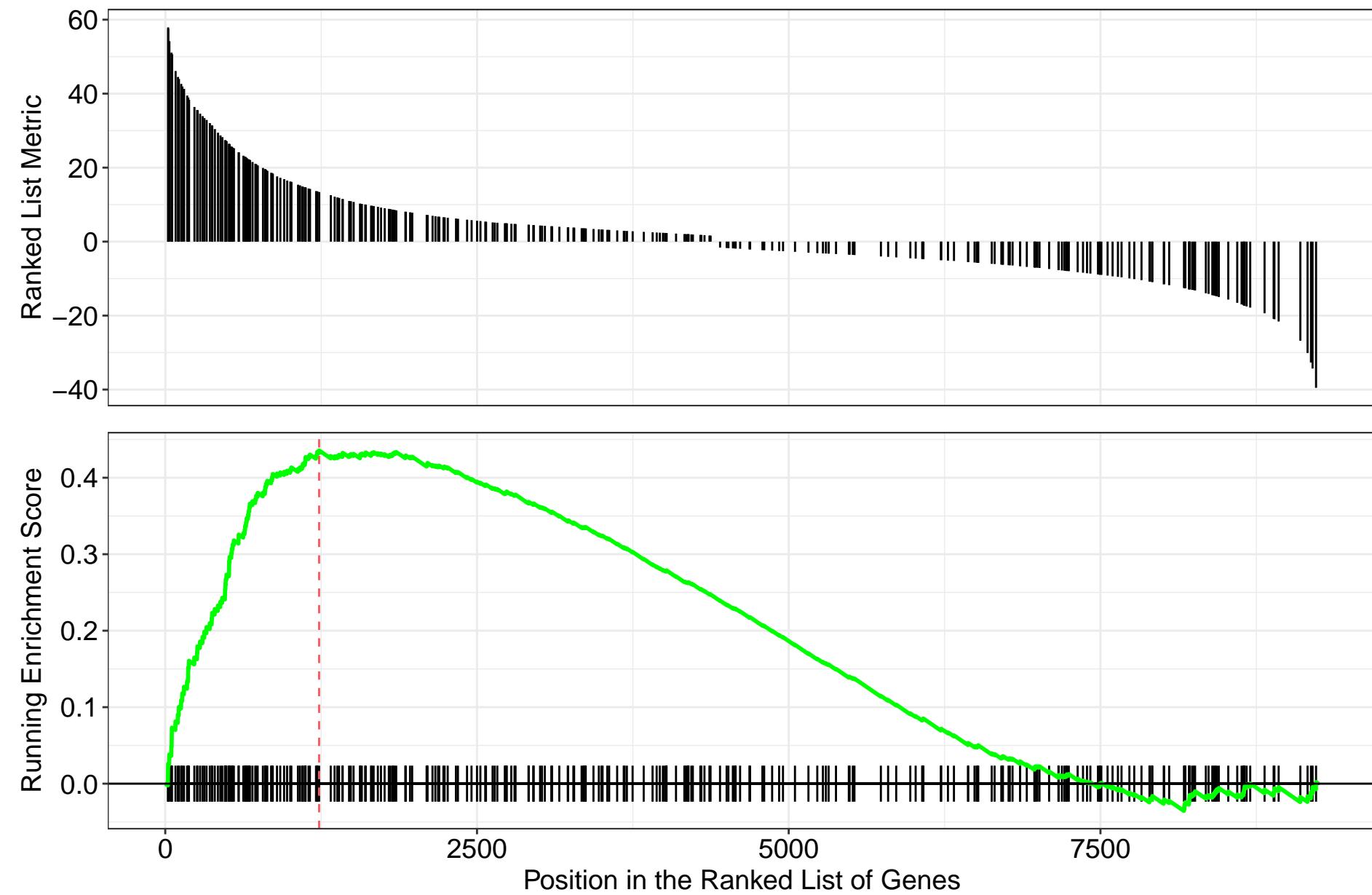
cell cycle phase transition



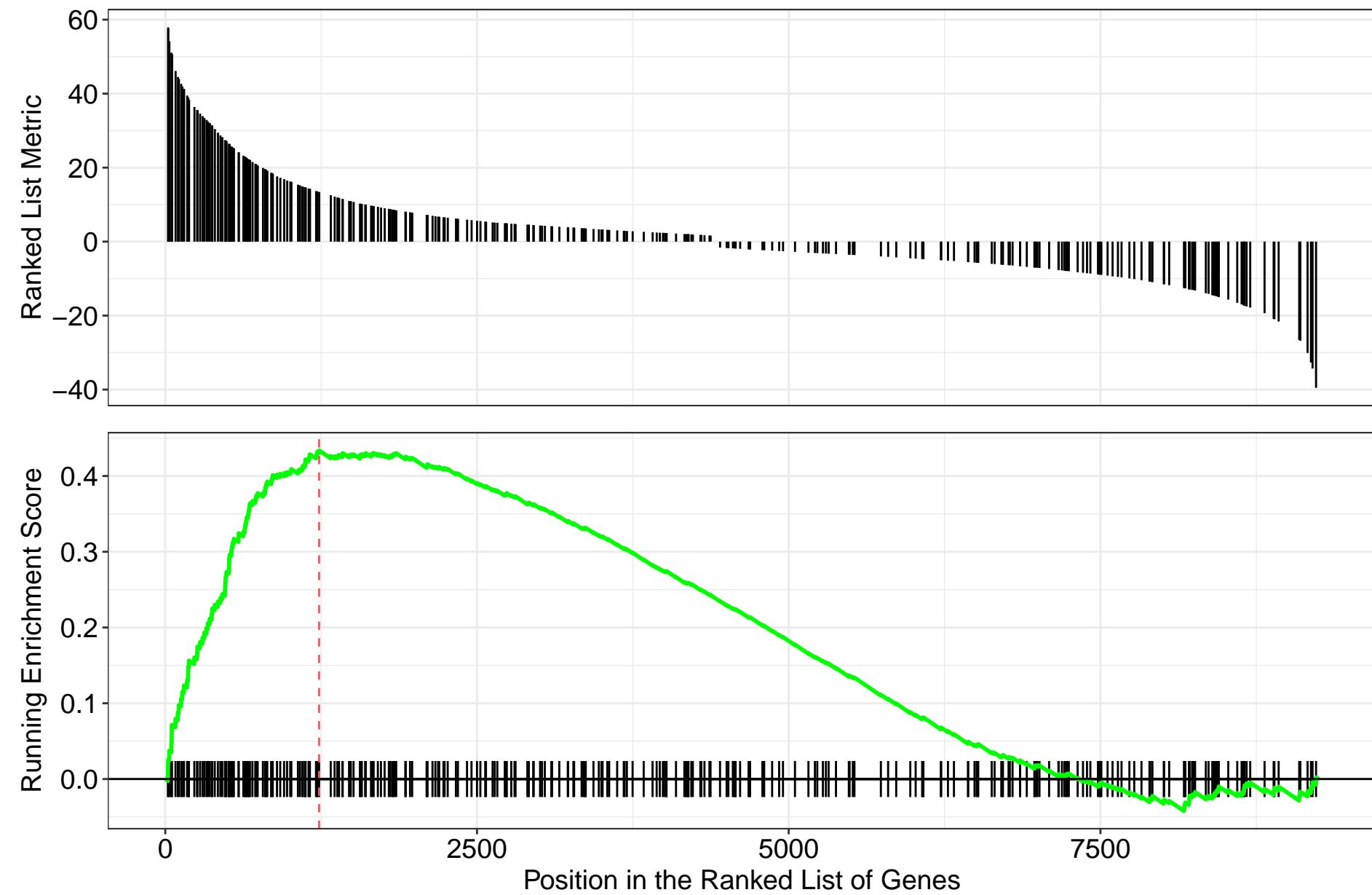
positive regulation of leukocyte mediated immunity



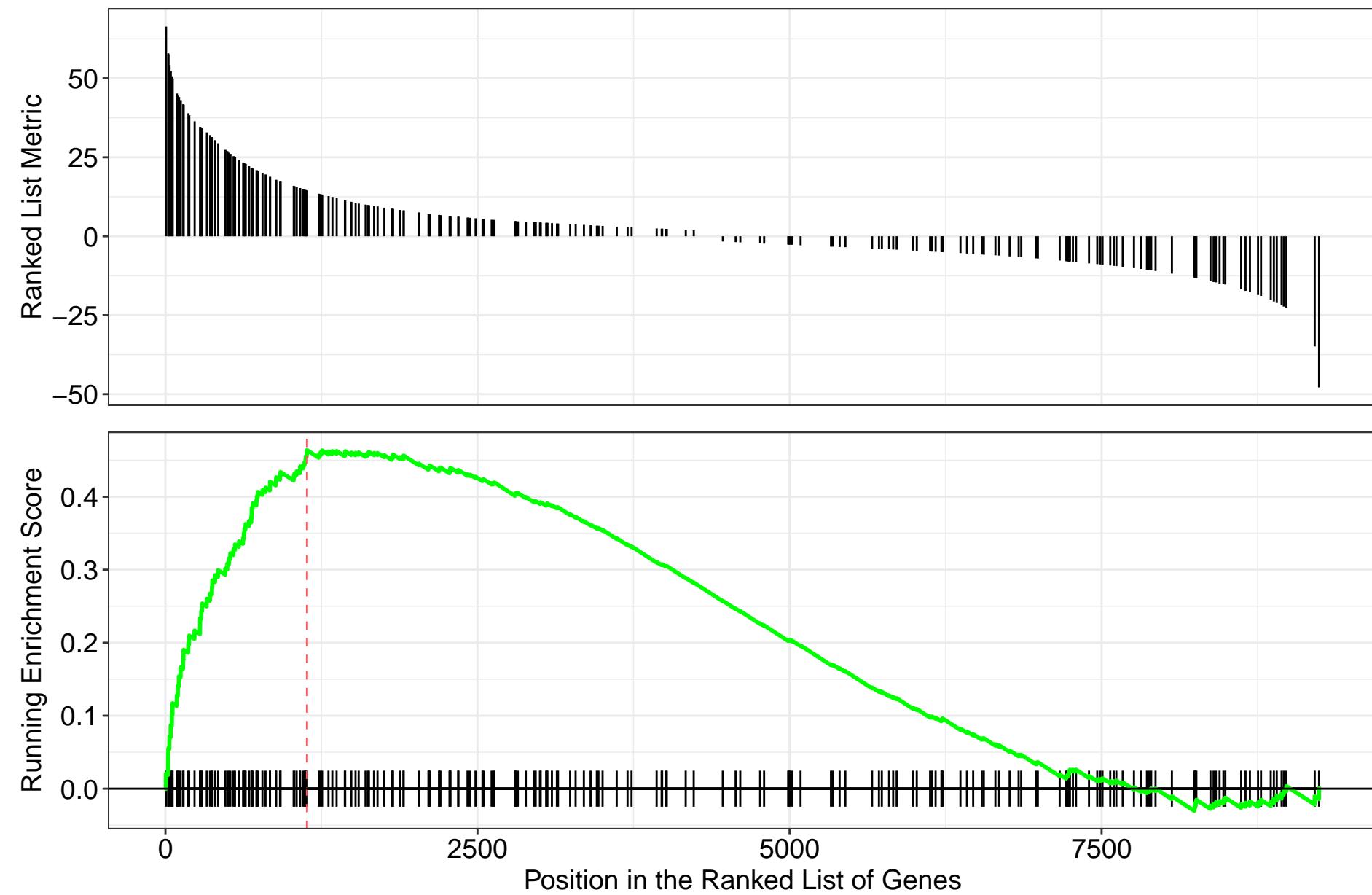
positive regulation of cell motility



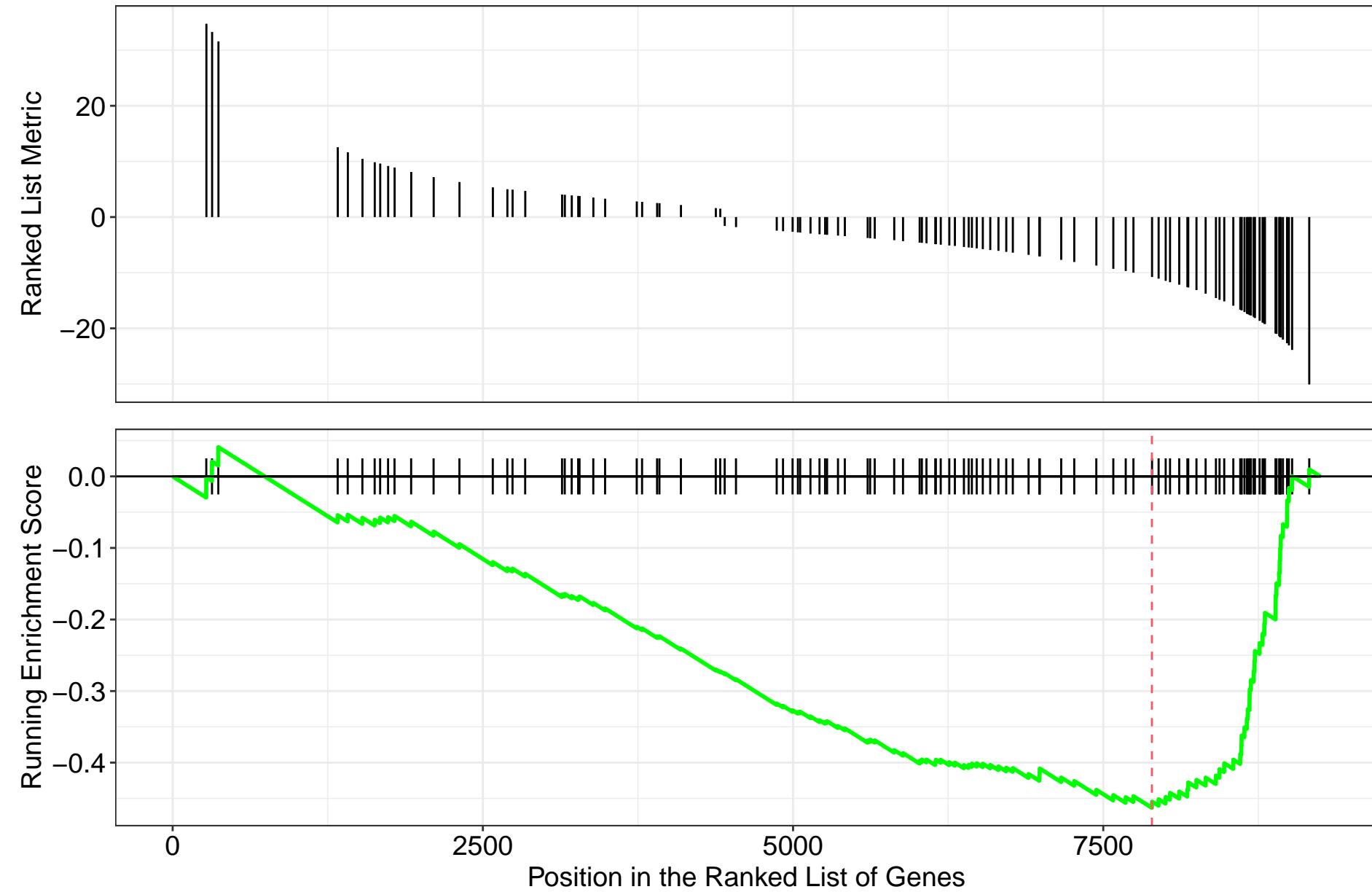
positive regulation of locomotion



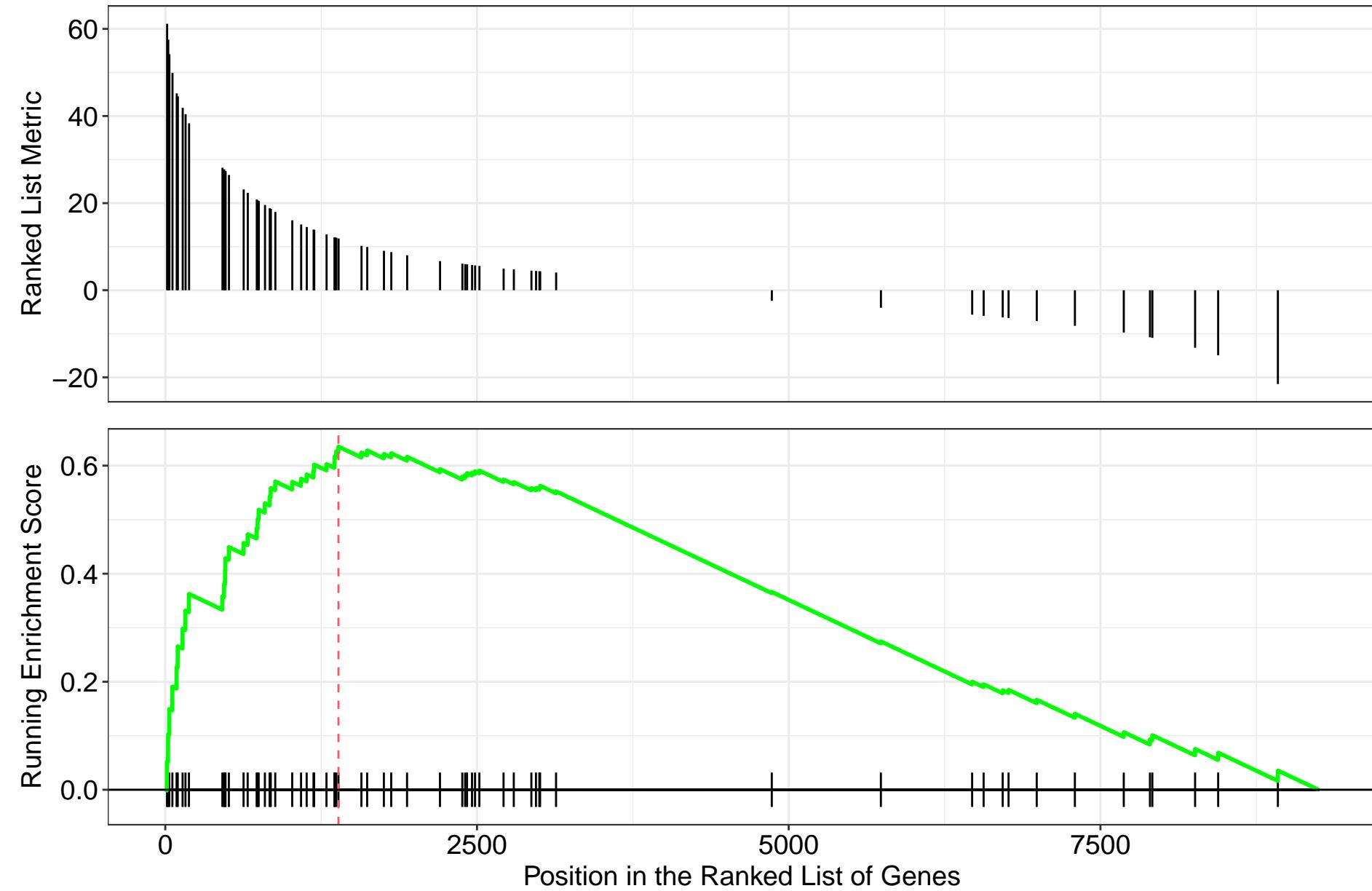
positive regulation of leukocyte activation



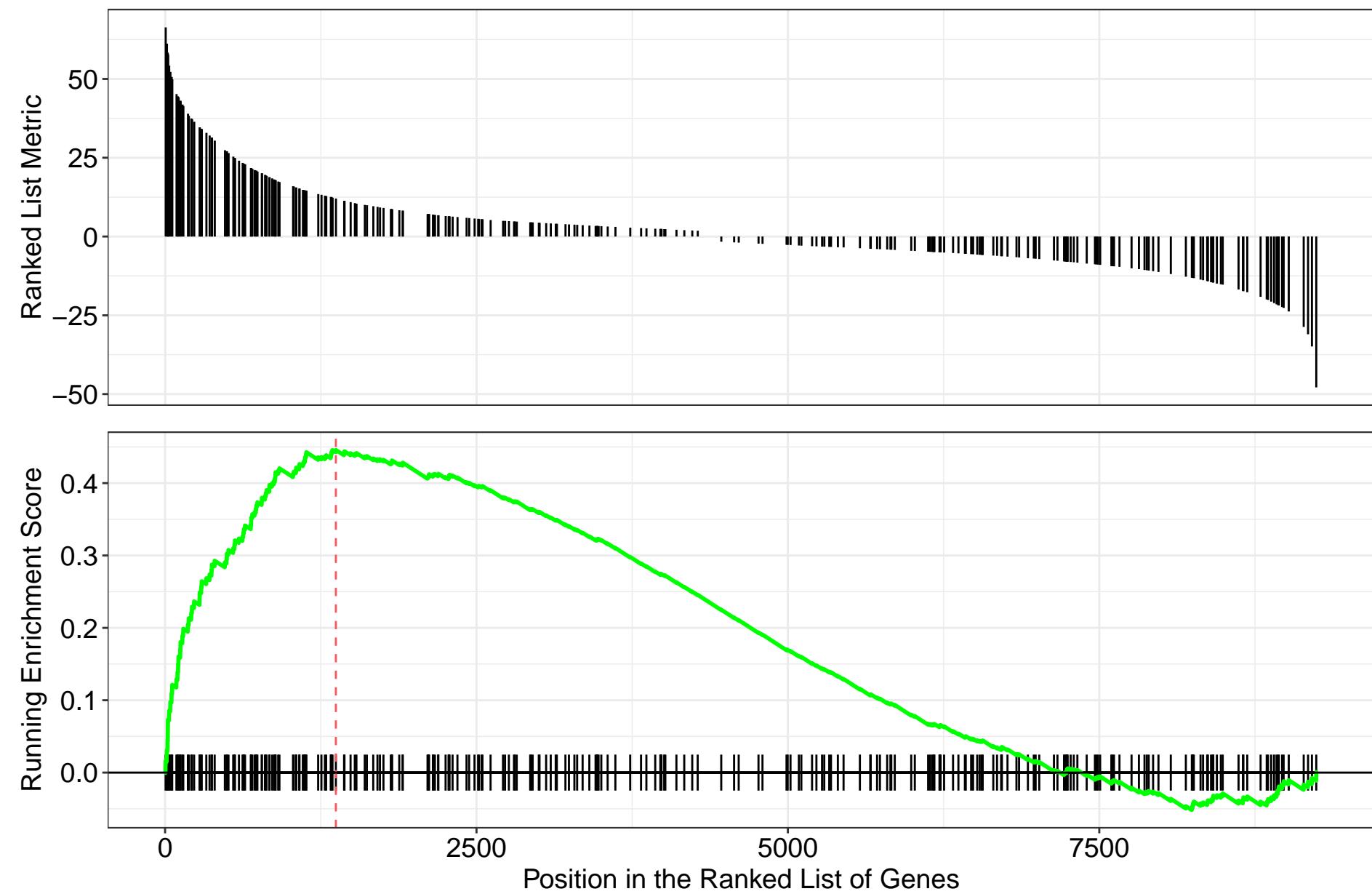
spindle organization



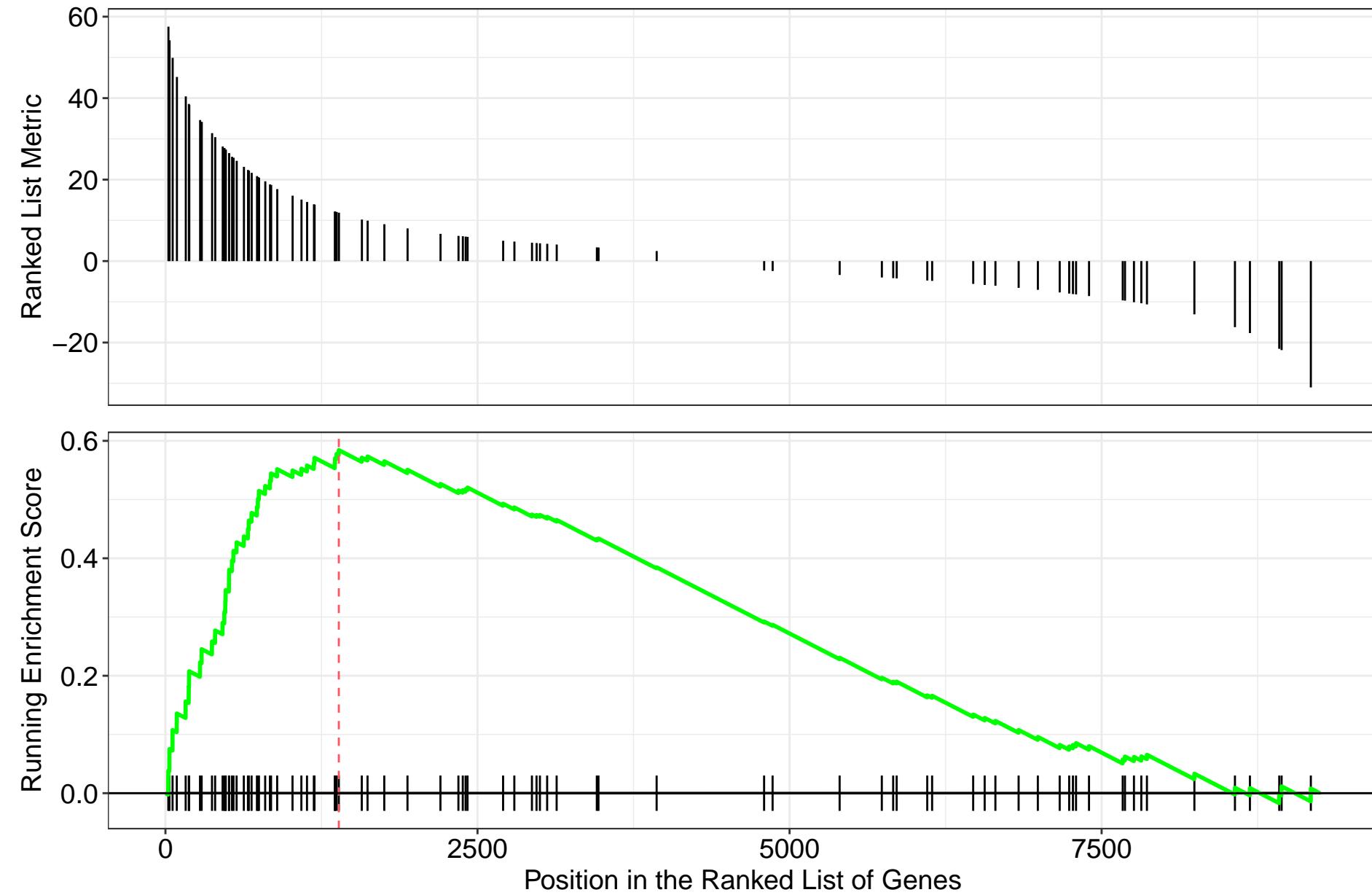
regulation of T cell mediated immunity



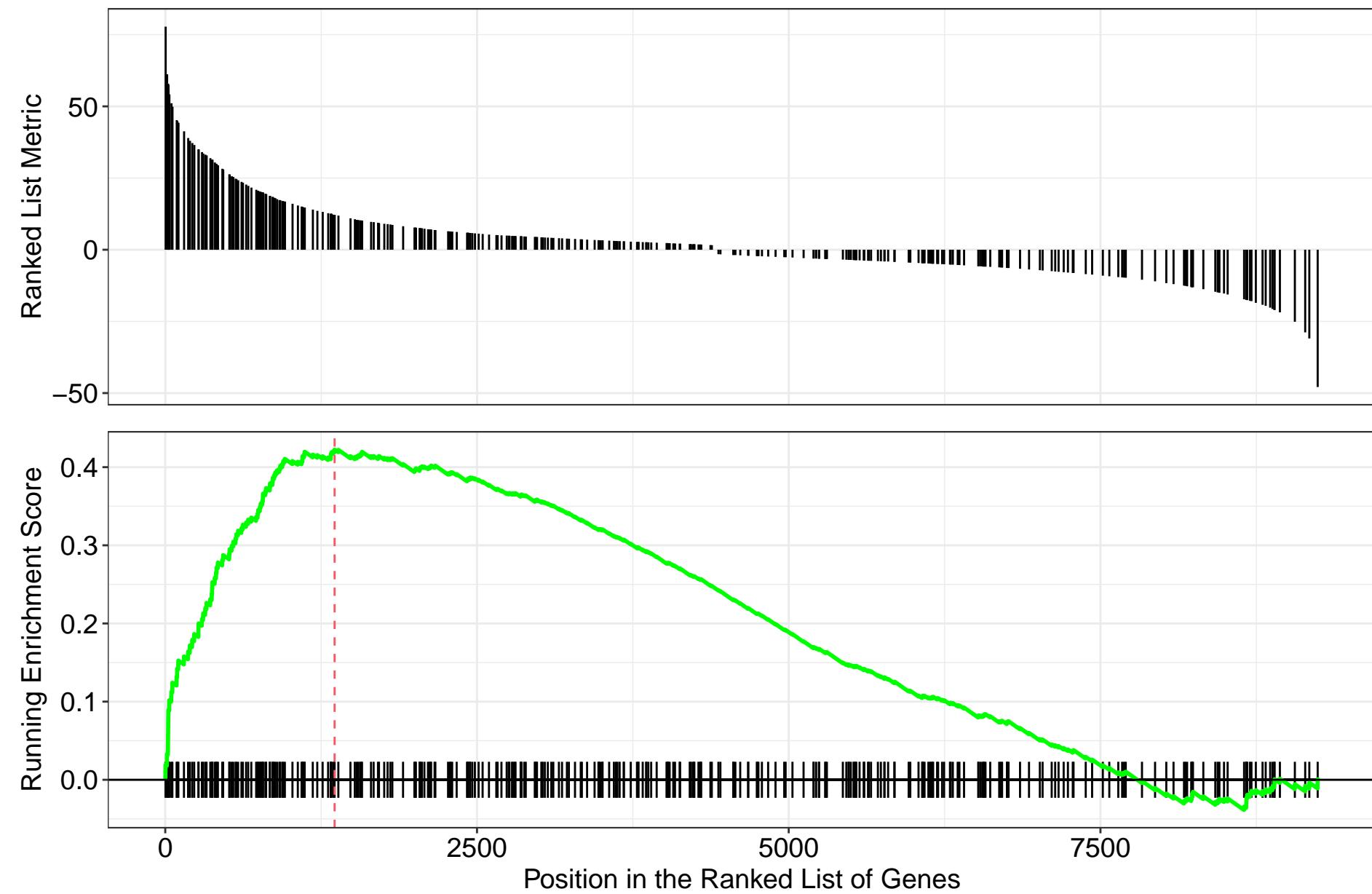
regulation of lymphocyte activation



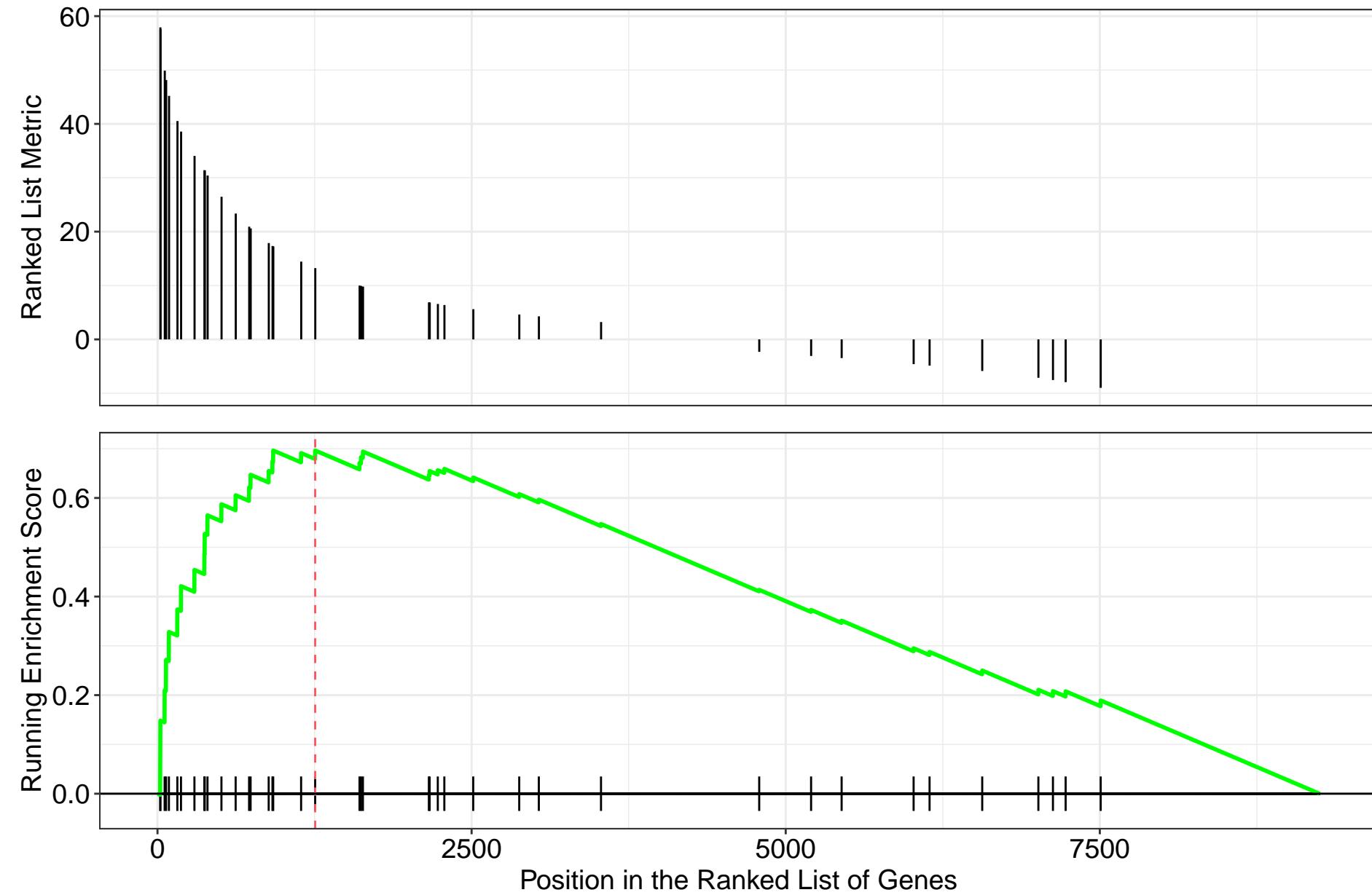
positive regulation of lymphocyte mediated immunity



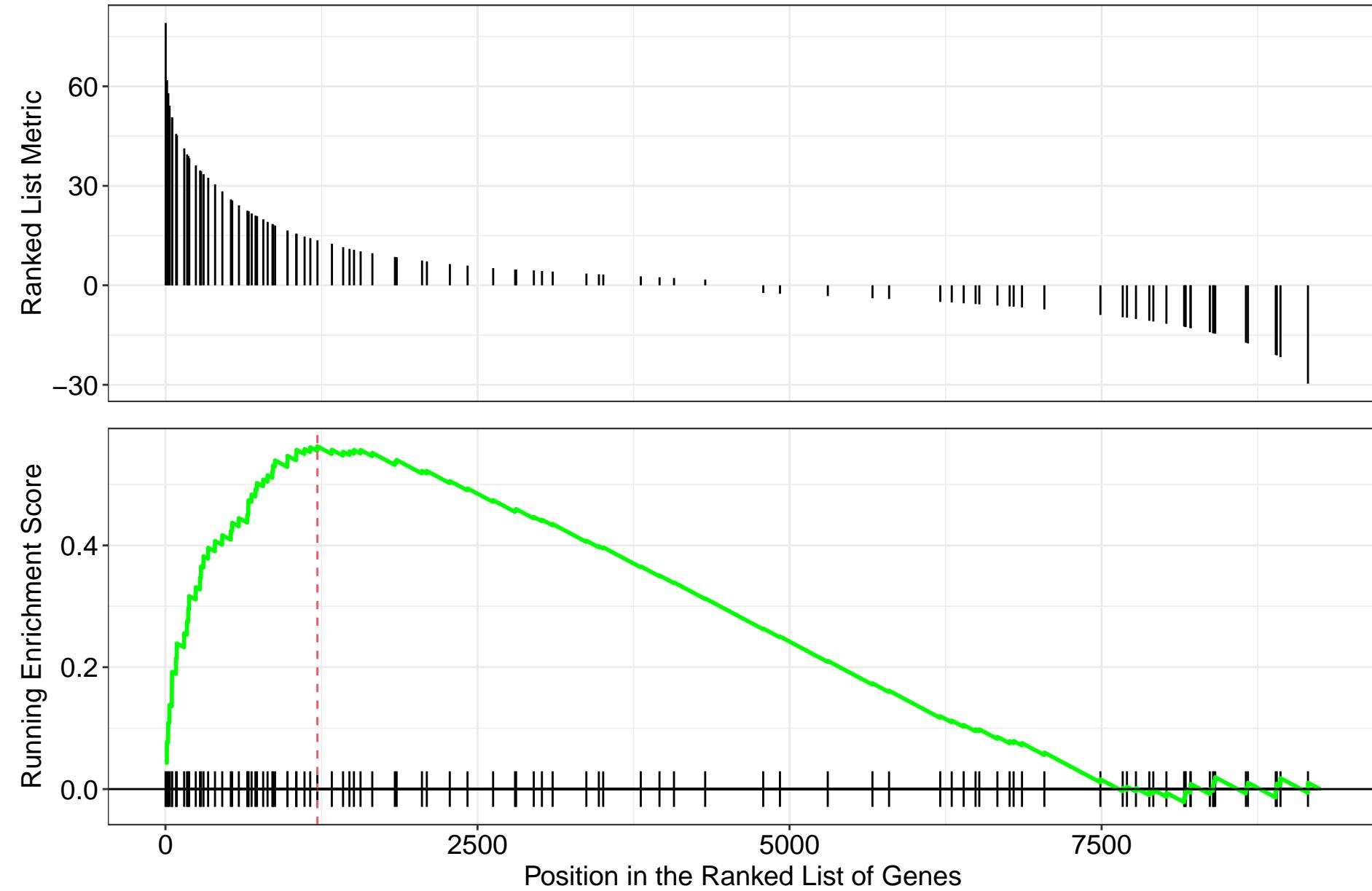
positive regulation of apoptotic process



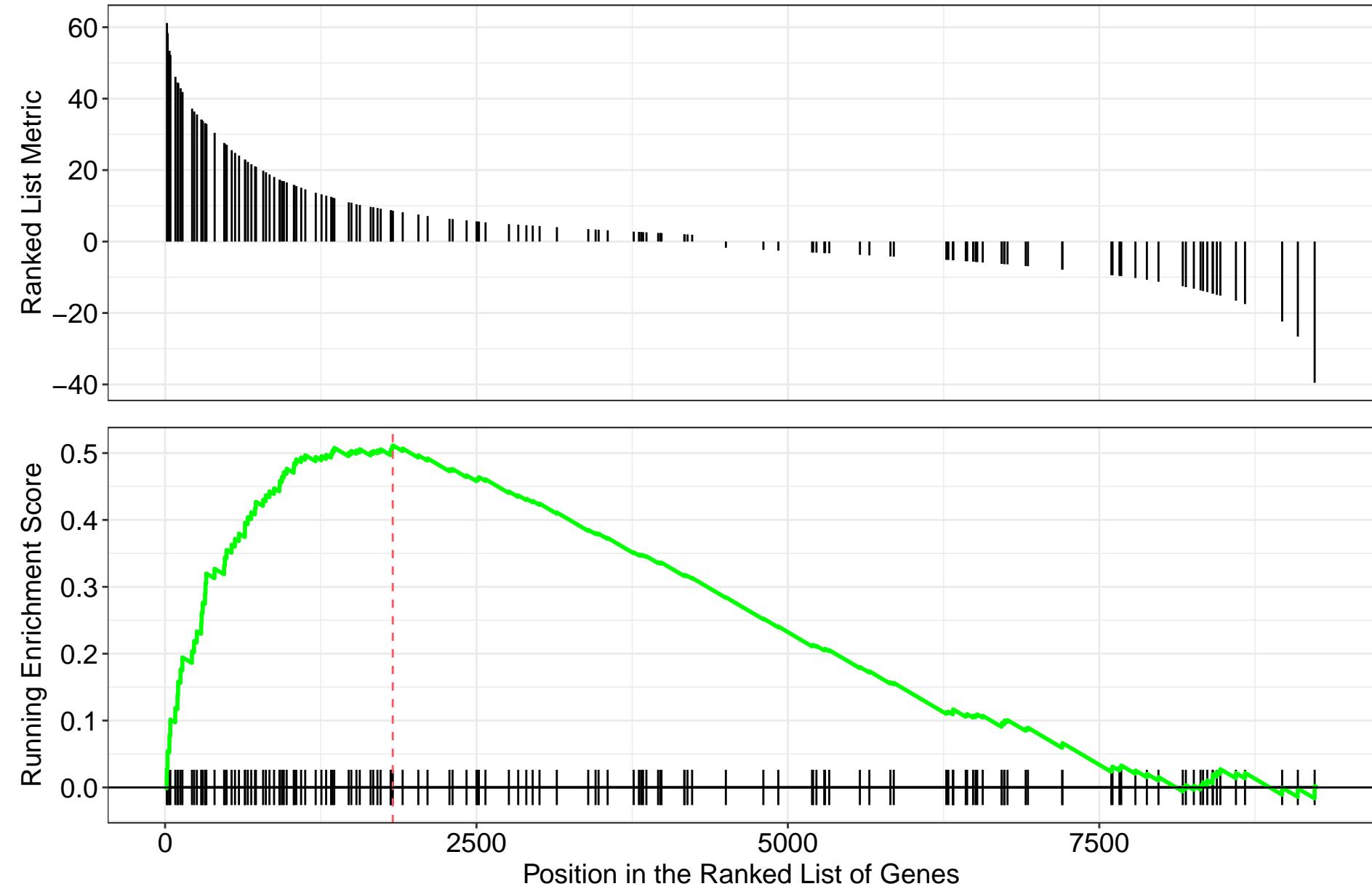
tyrosine phosphorylation of STAT protein



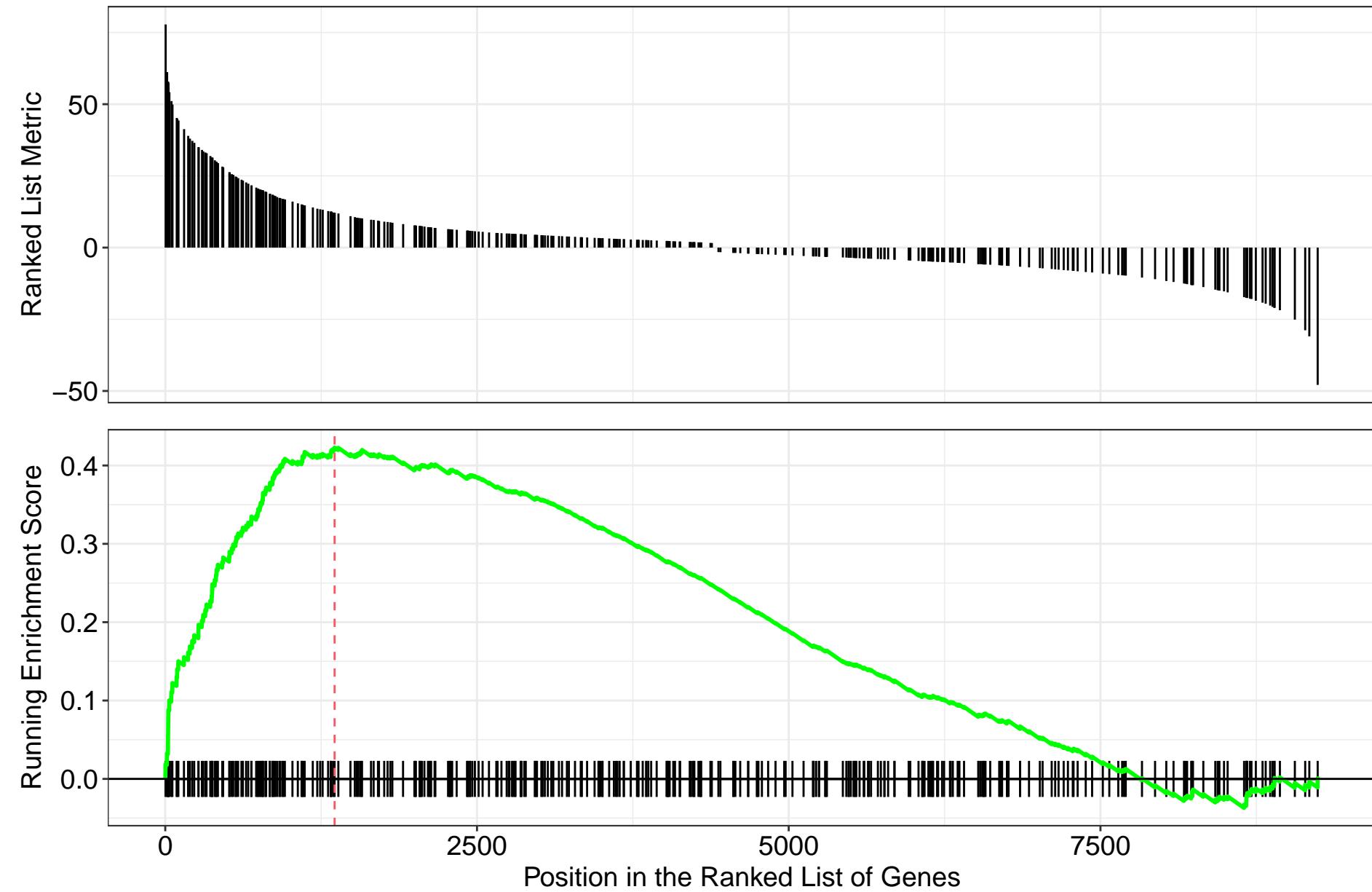
positive regulation of ERK1 and ERK2 cascade



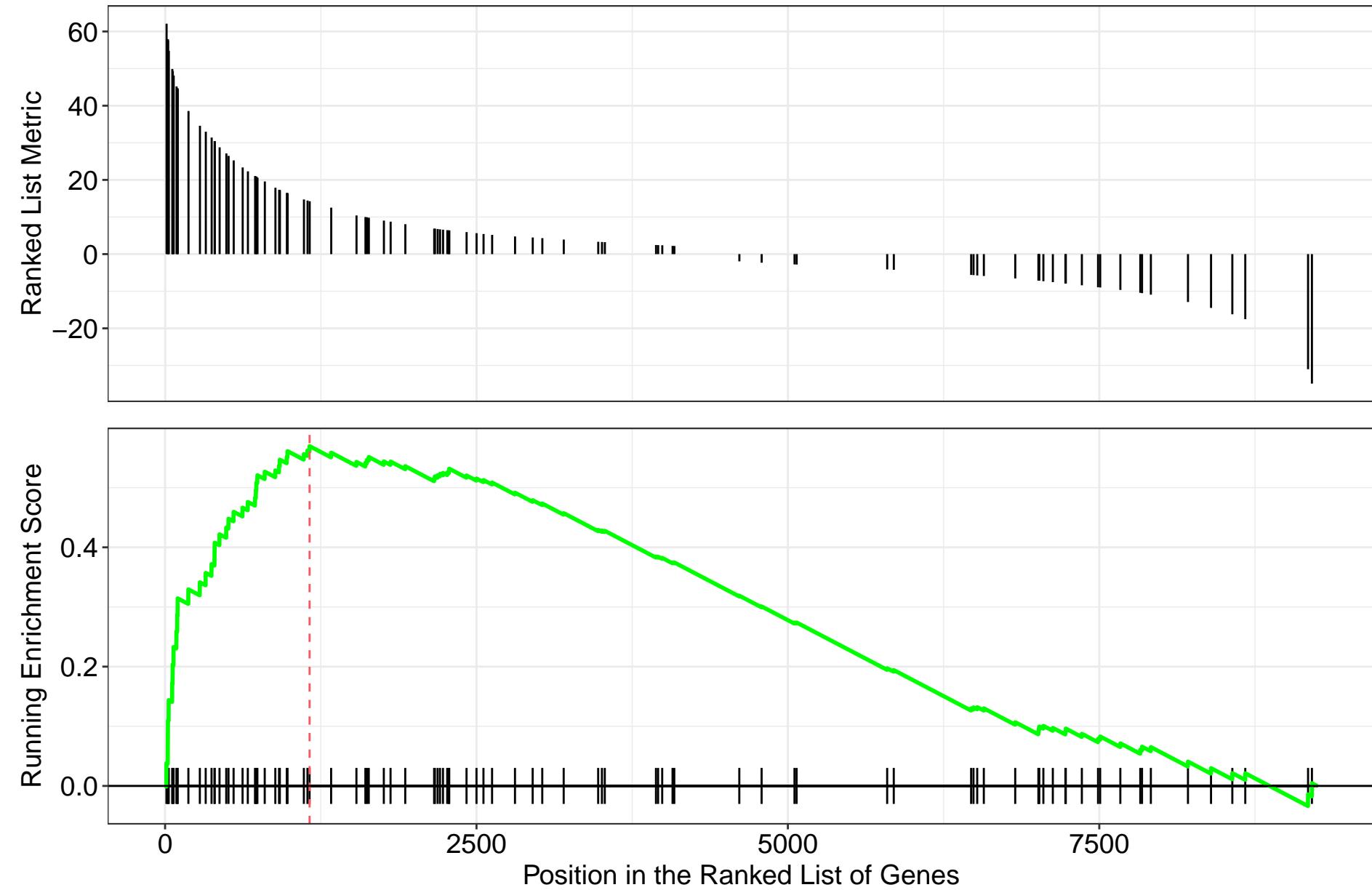
negative regulation of cell adhesion



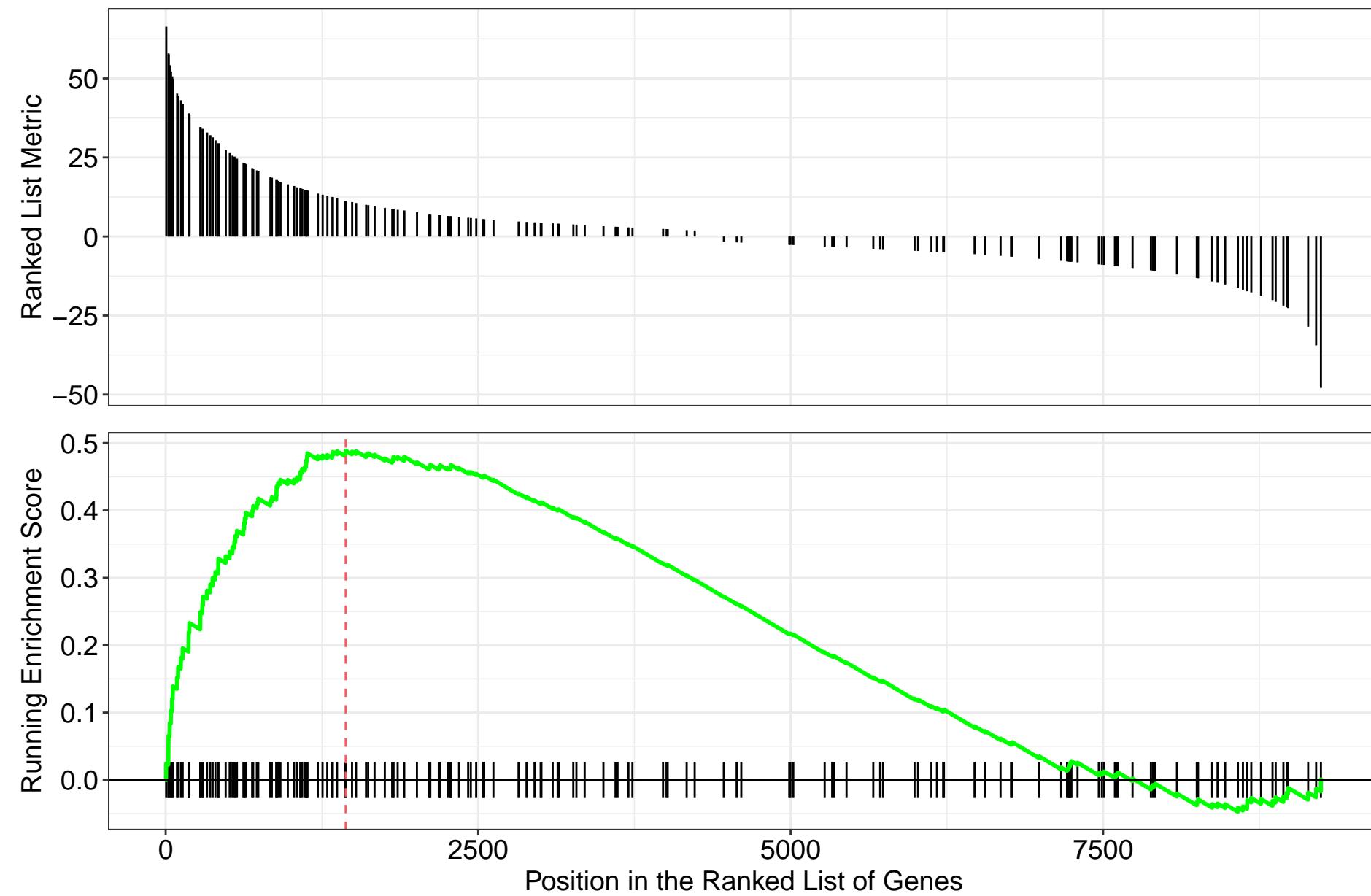
positive regulation of programmed cell death



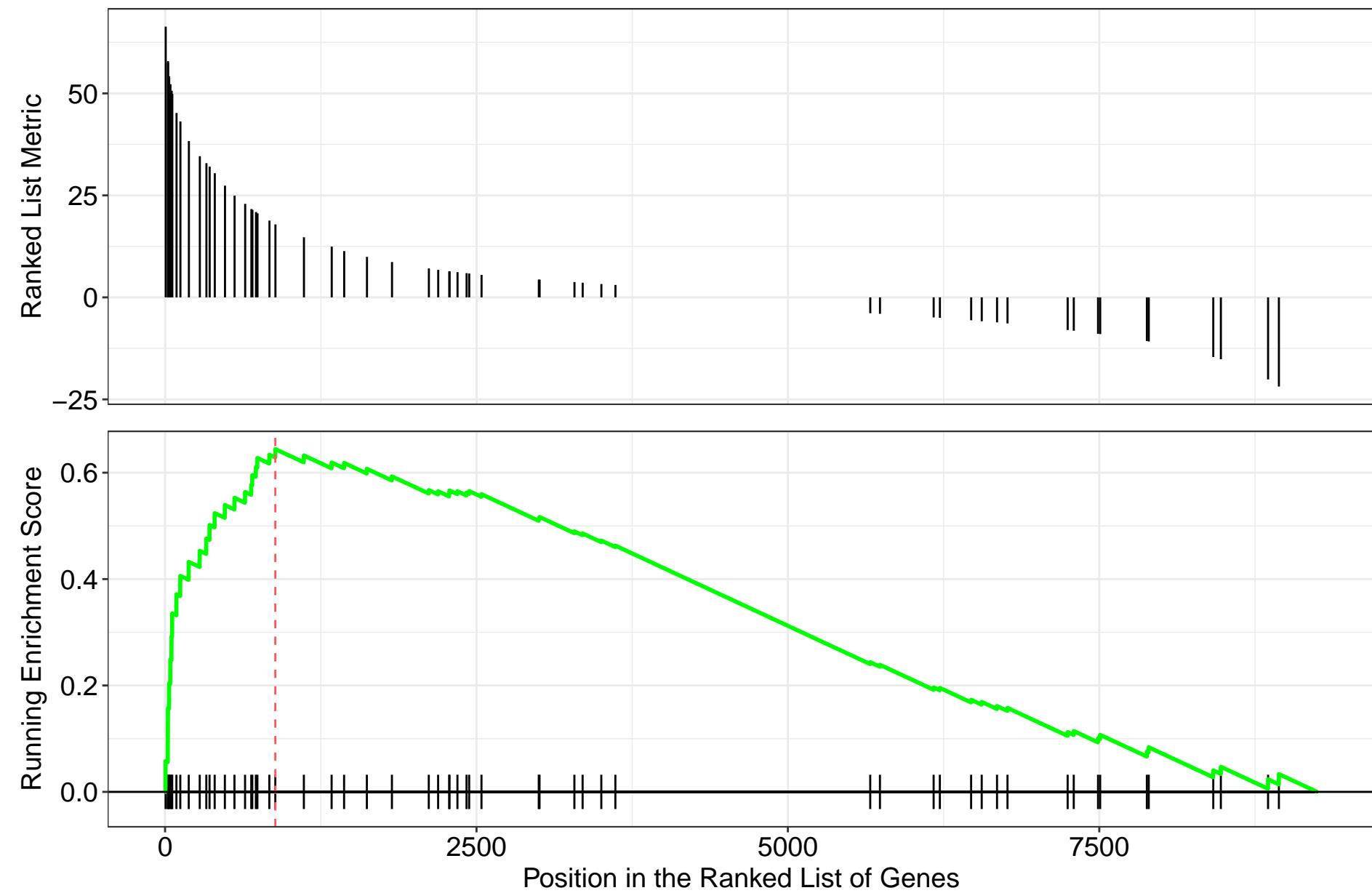
positive regulation of peptidyl–tyrosine phosphorylation



positive regulation of cell–cell adhesion



positive regulation of T cell proliferation



meiotic cell cycle

Ranked List Metric



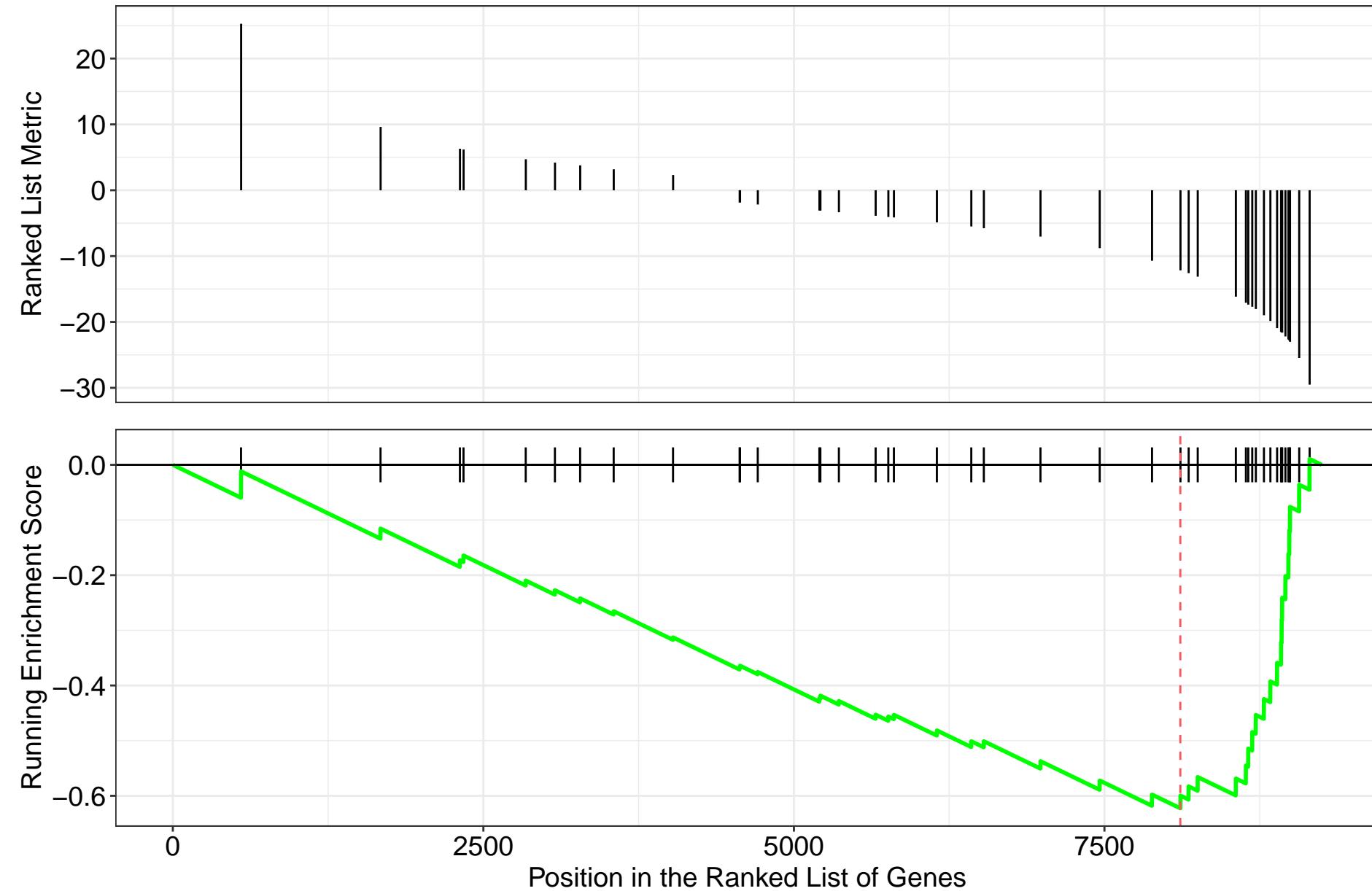
Running Enrichment Score

0 2500 5000 7500

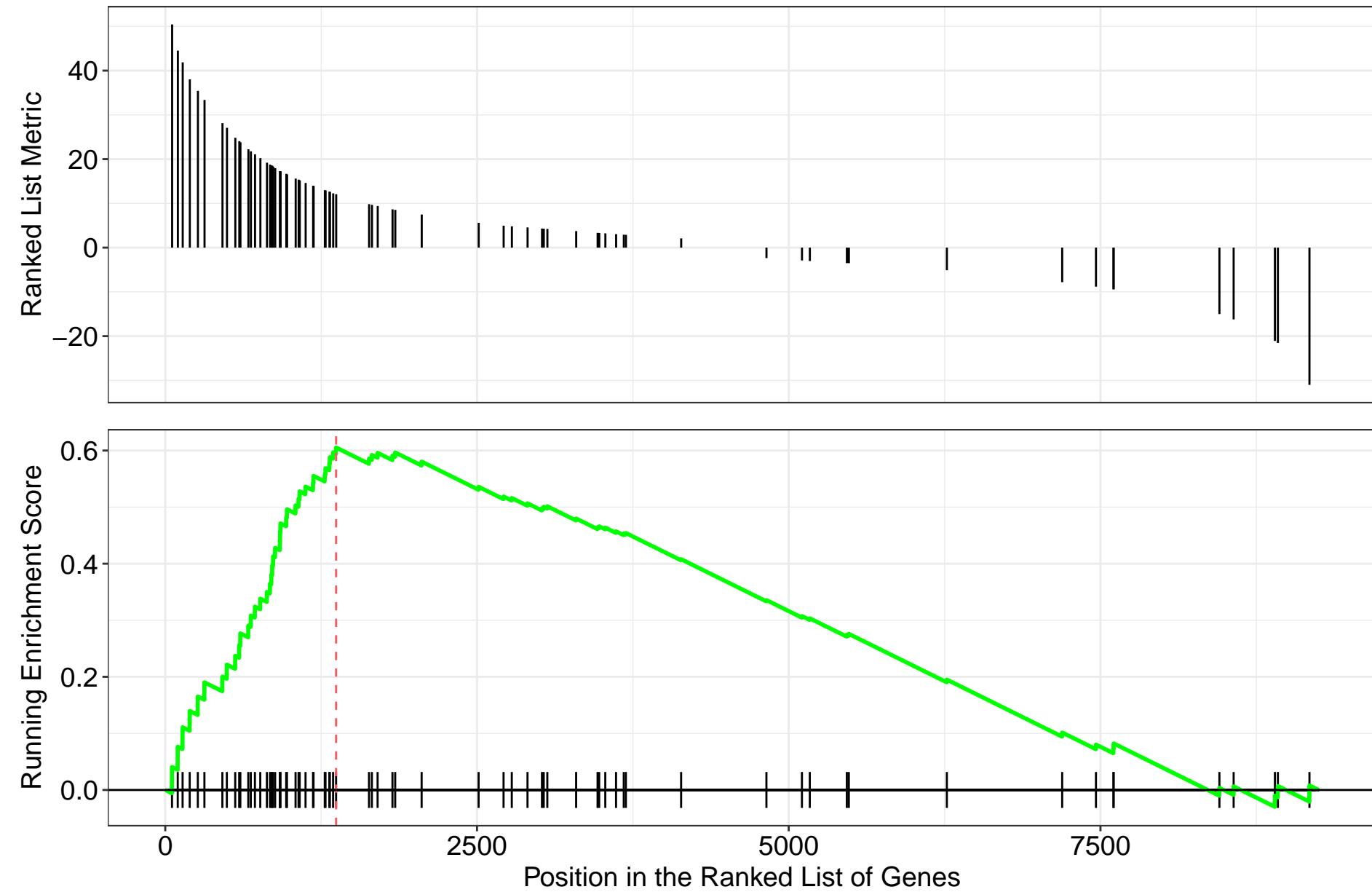
Position in the Ranked List of Genes



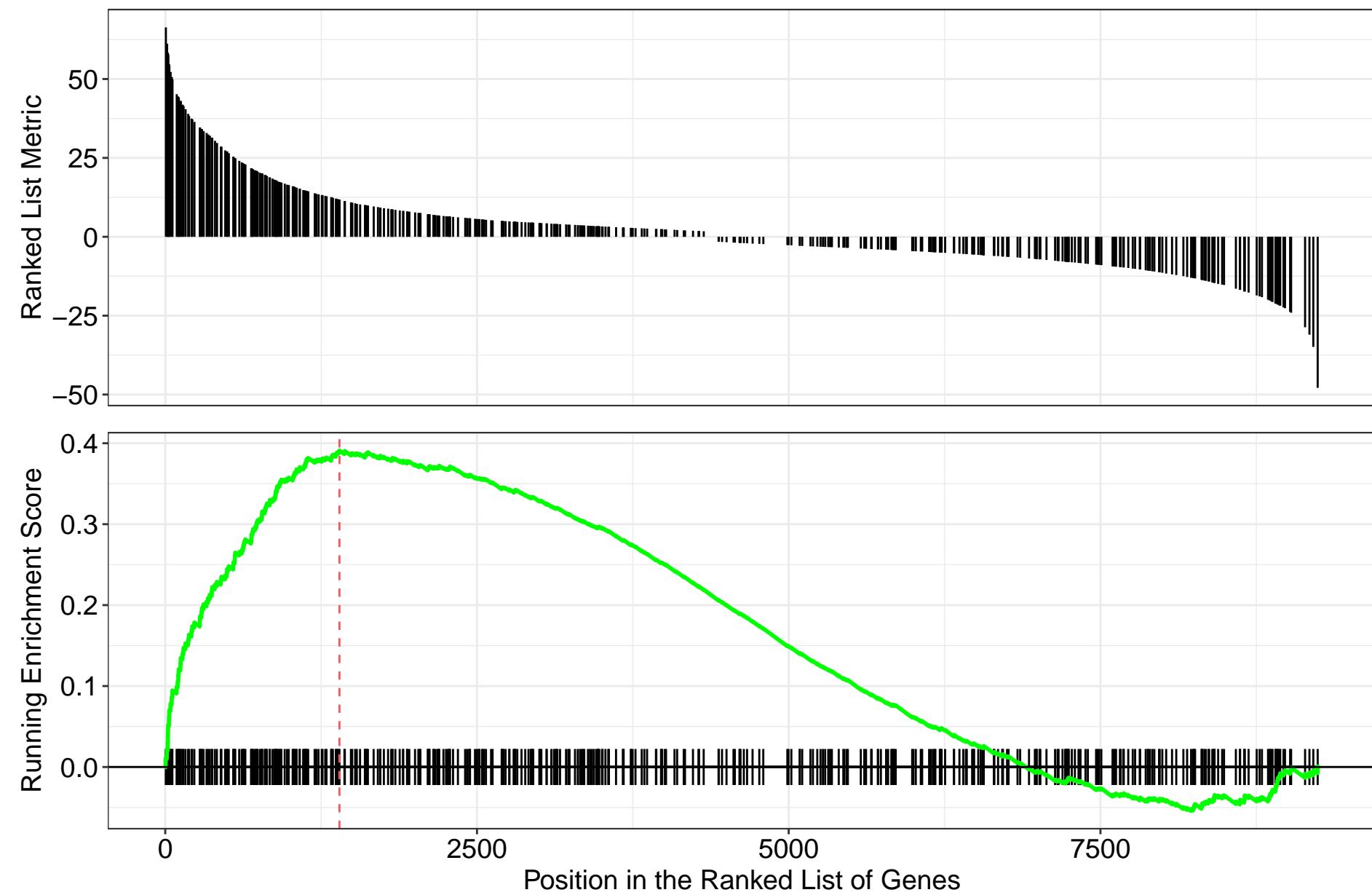
metaphase plate congression



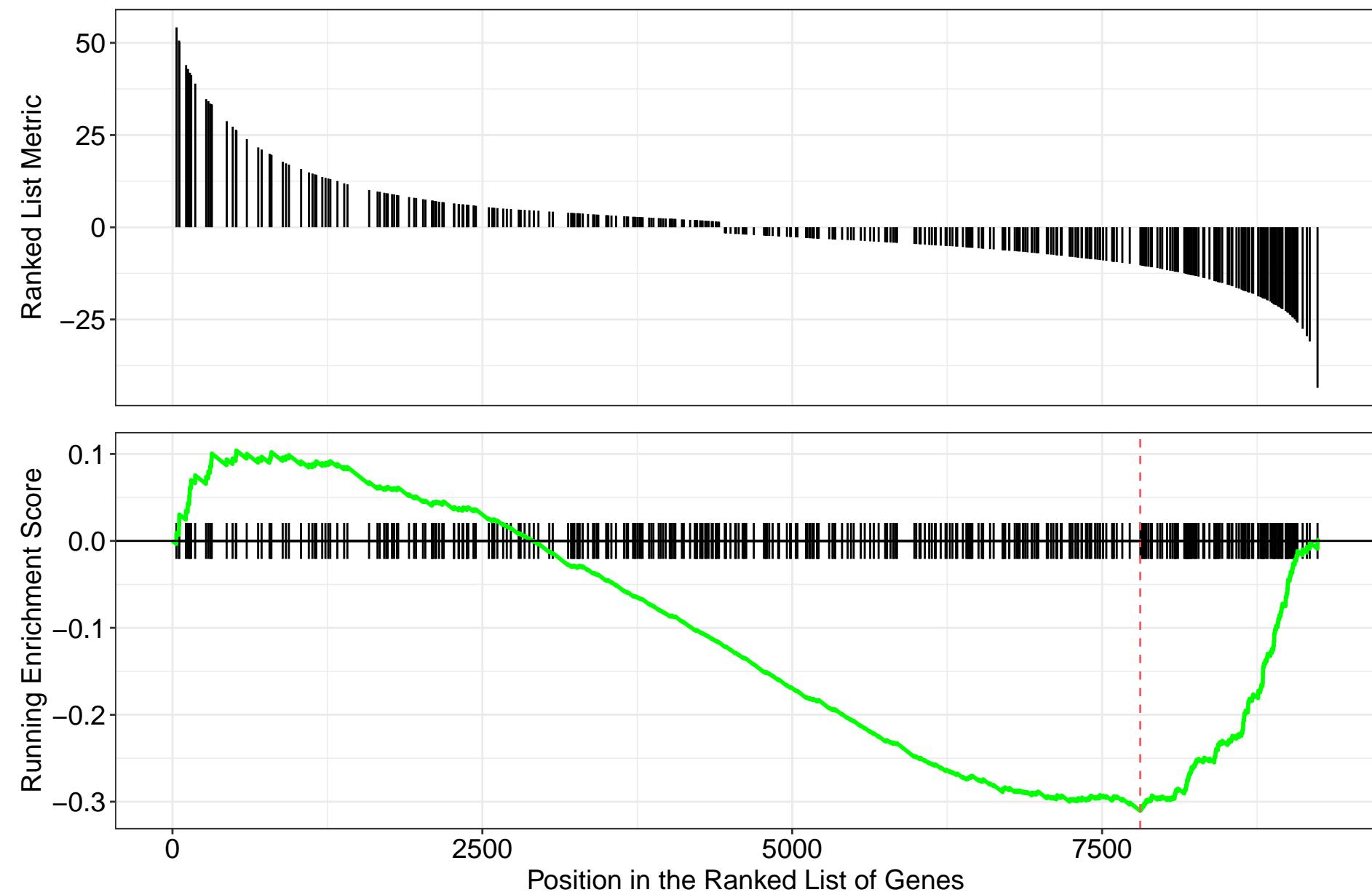
negative regulation of response to biotic stimulus



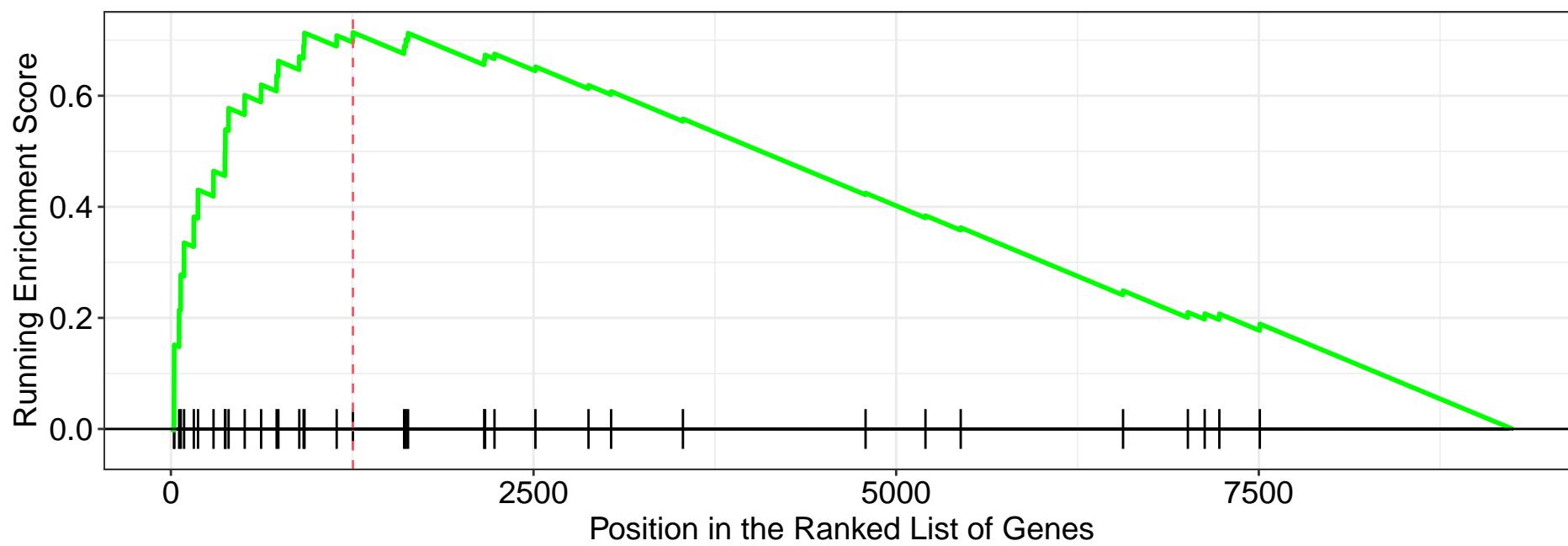
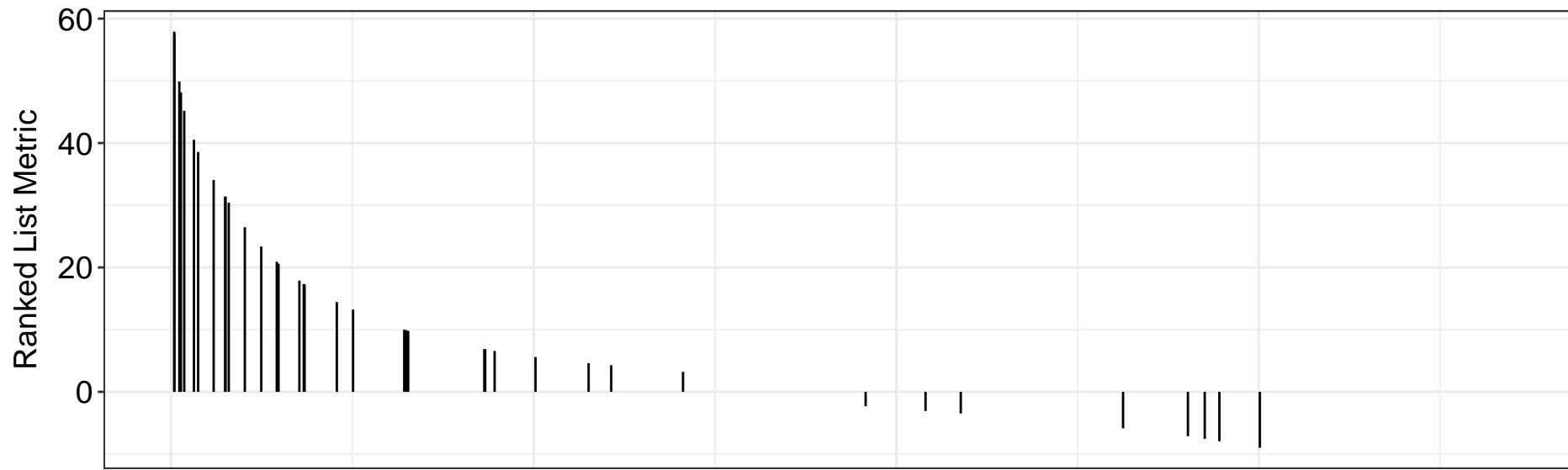
lymphocyte activation



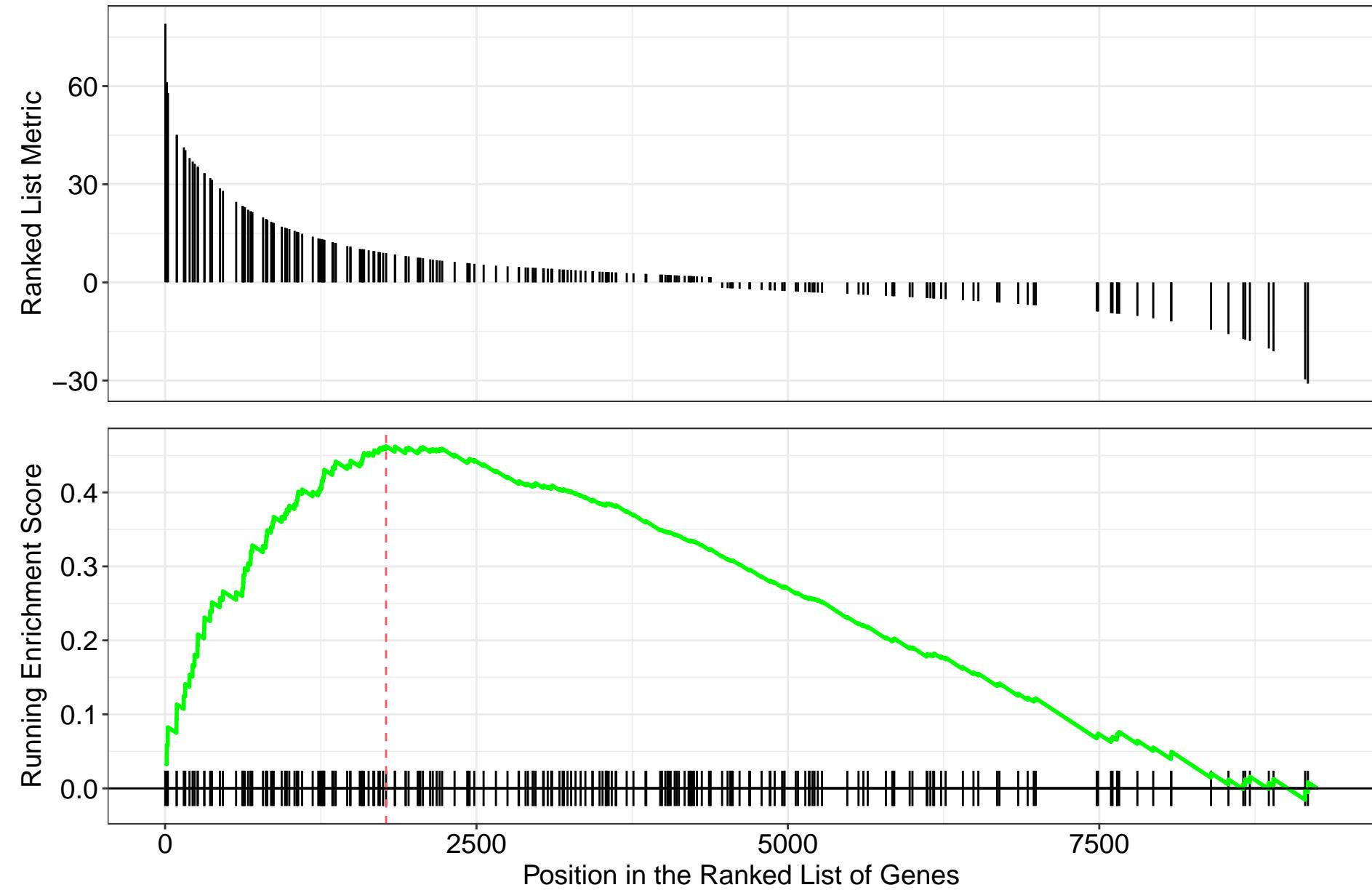
regulation of cell cycle process



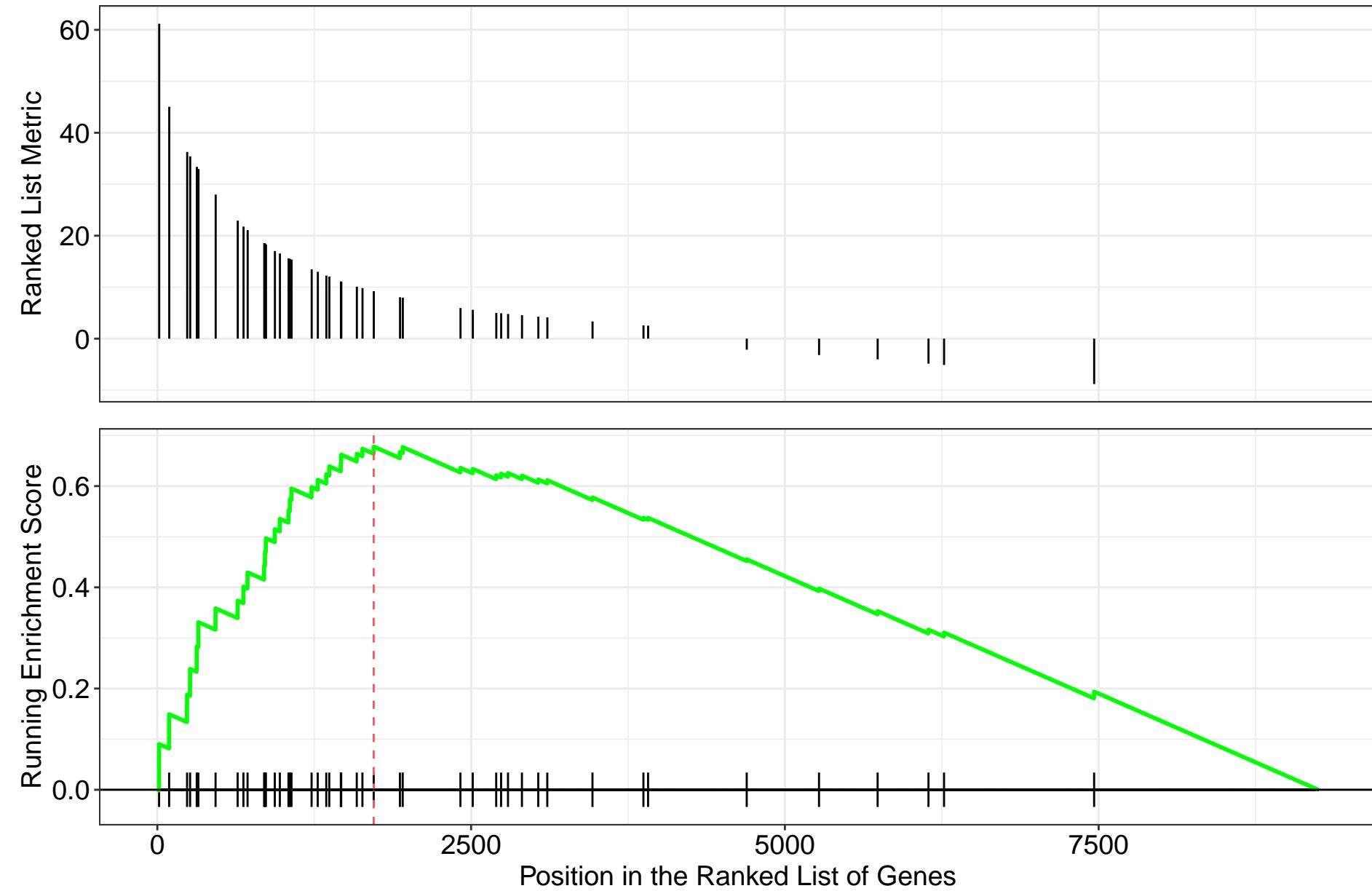
regulation of tyrosine phosphorylation of STAT protein



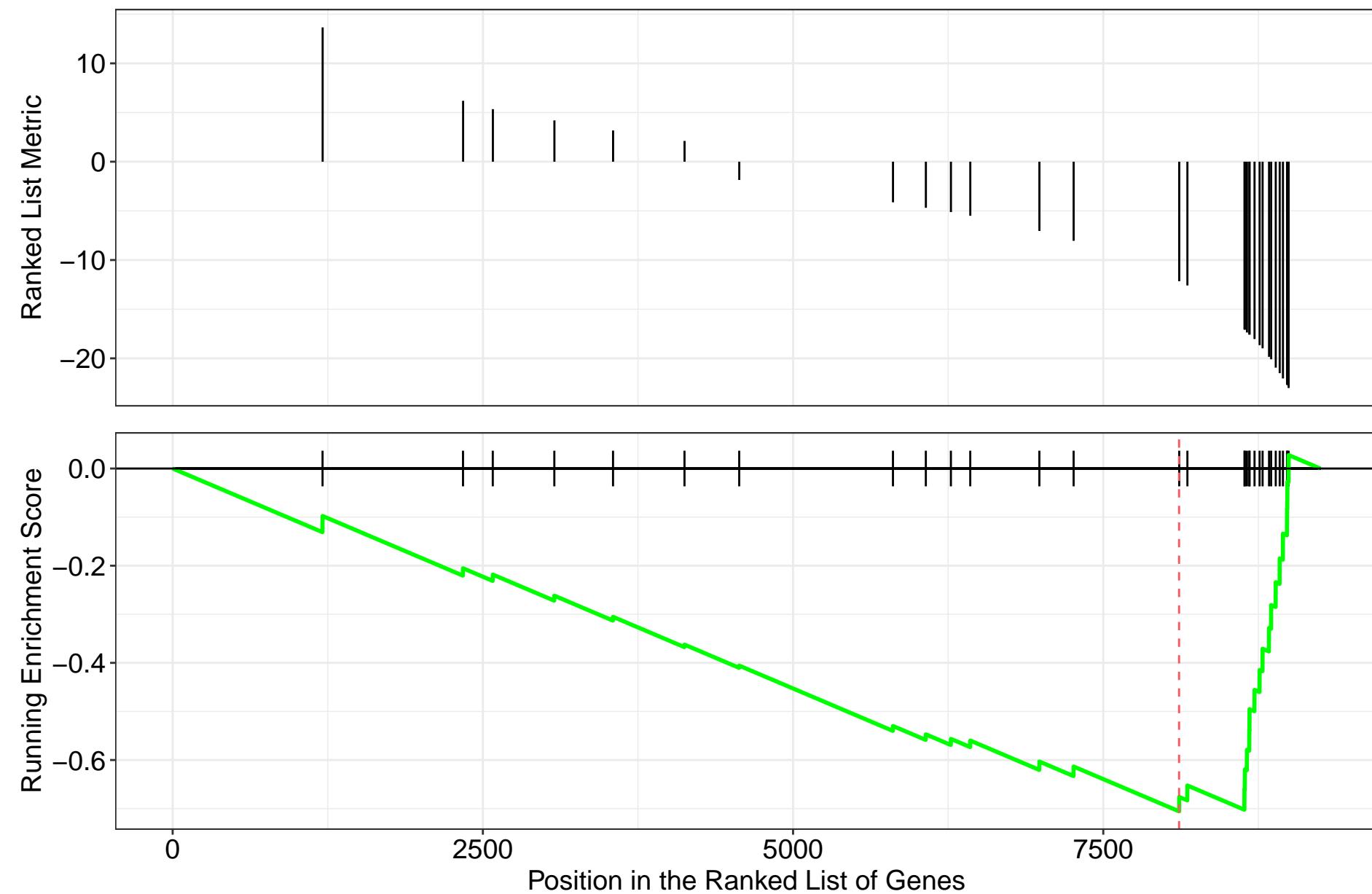
viral process



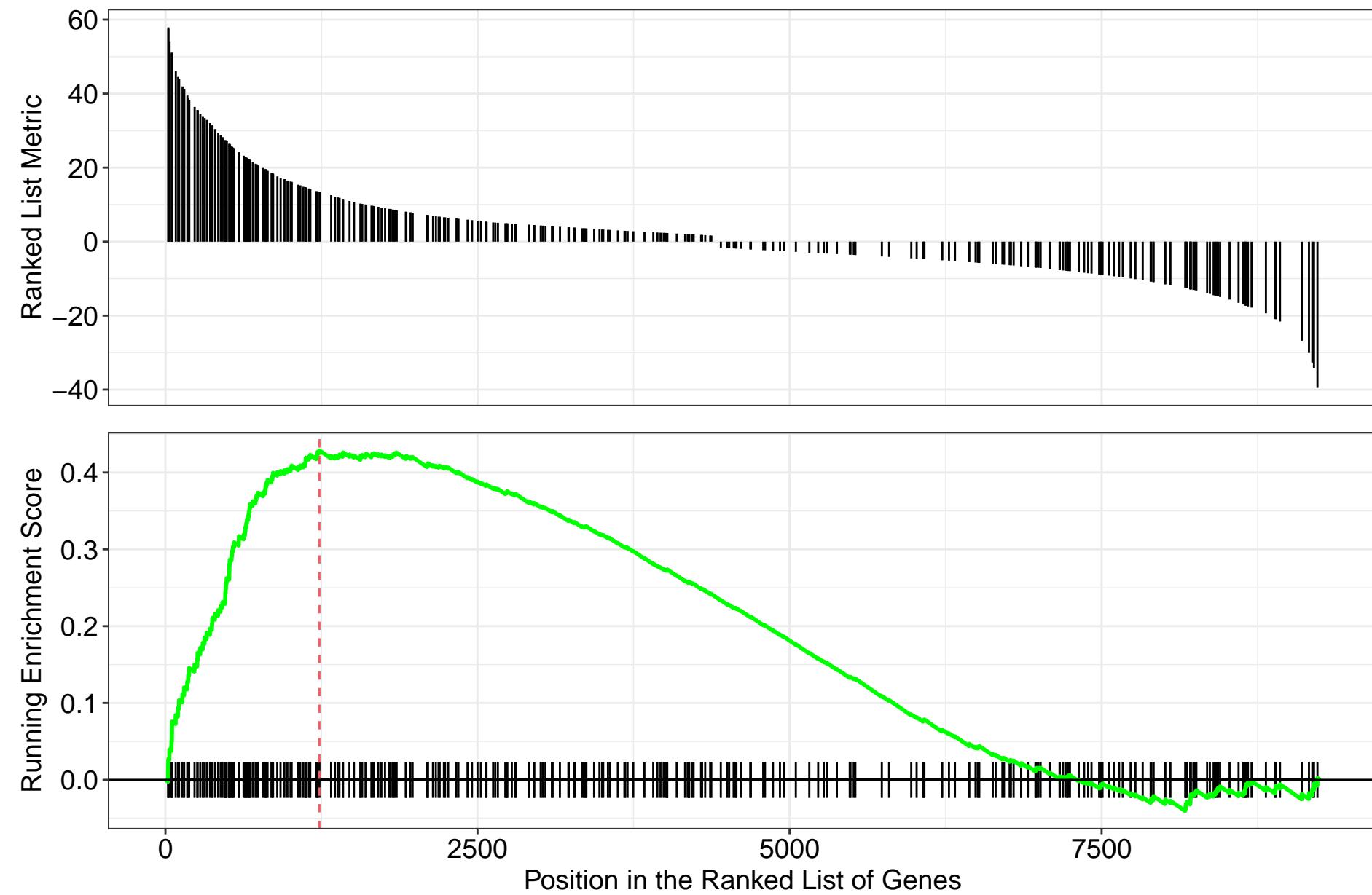
response to type I interferon



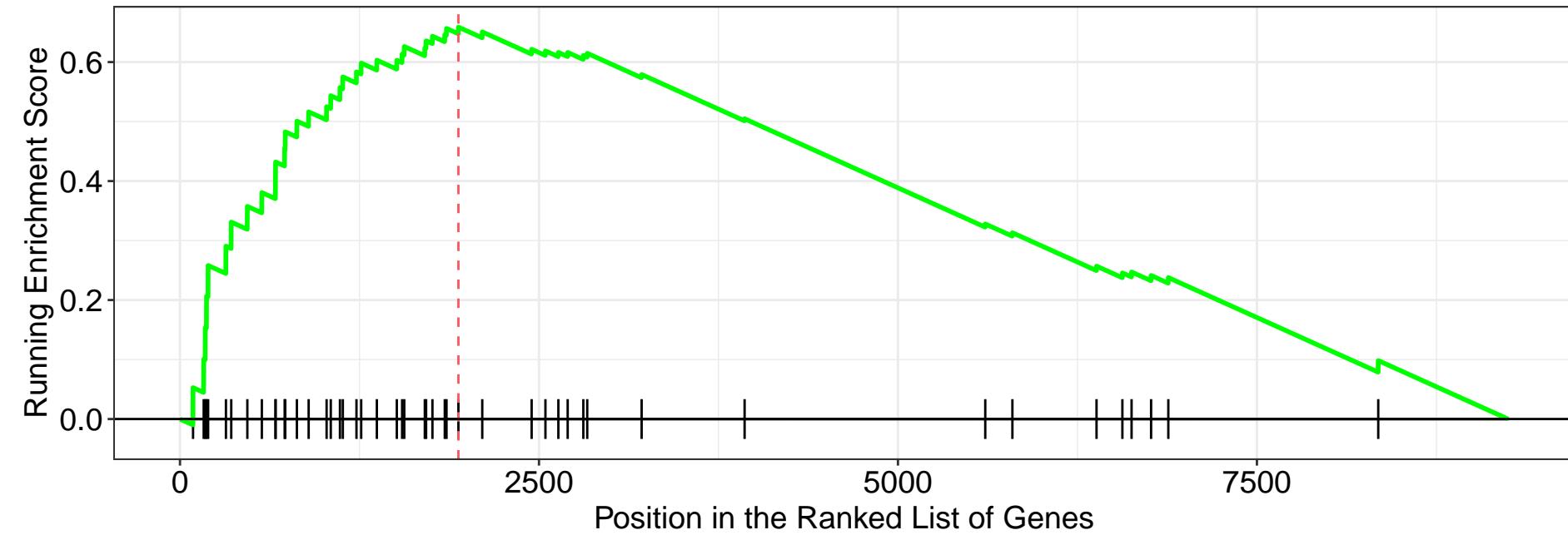
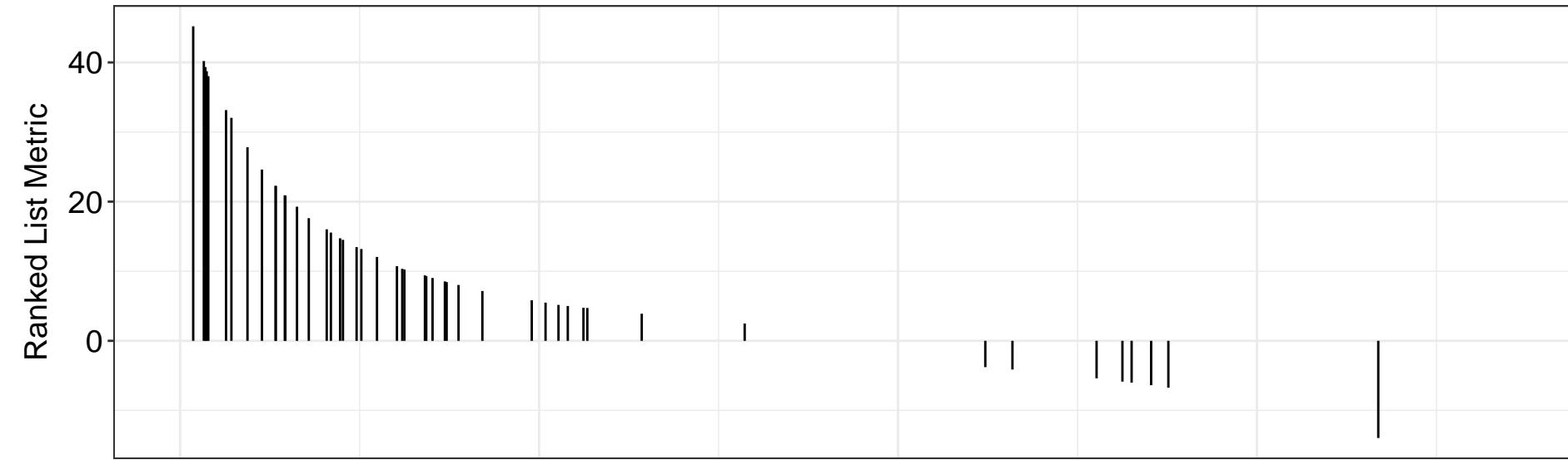
attachment of spindle microtubules to kinetochore



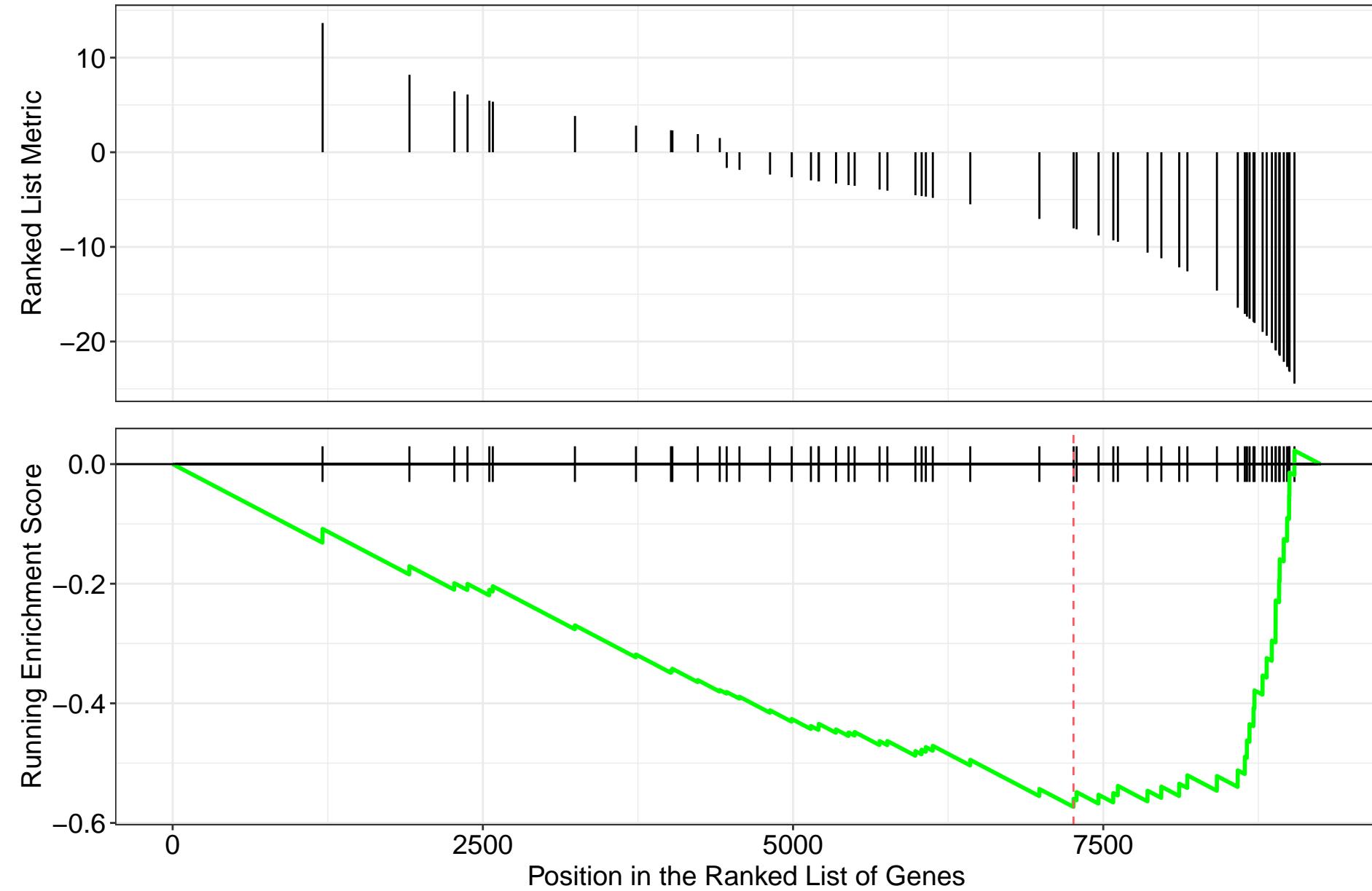
positive regulation of cell migration



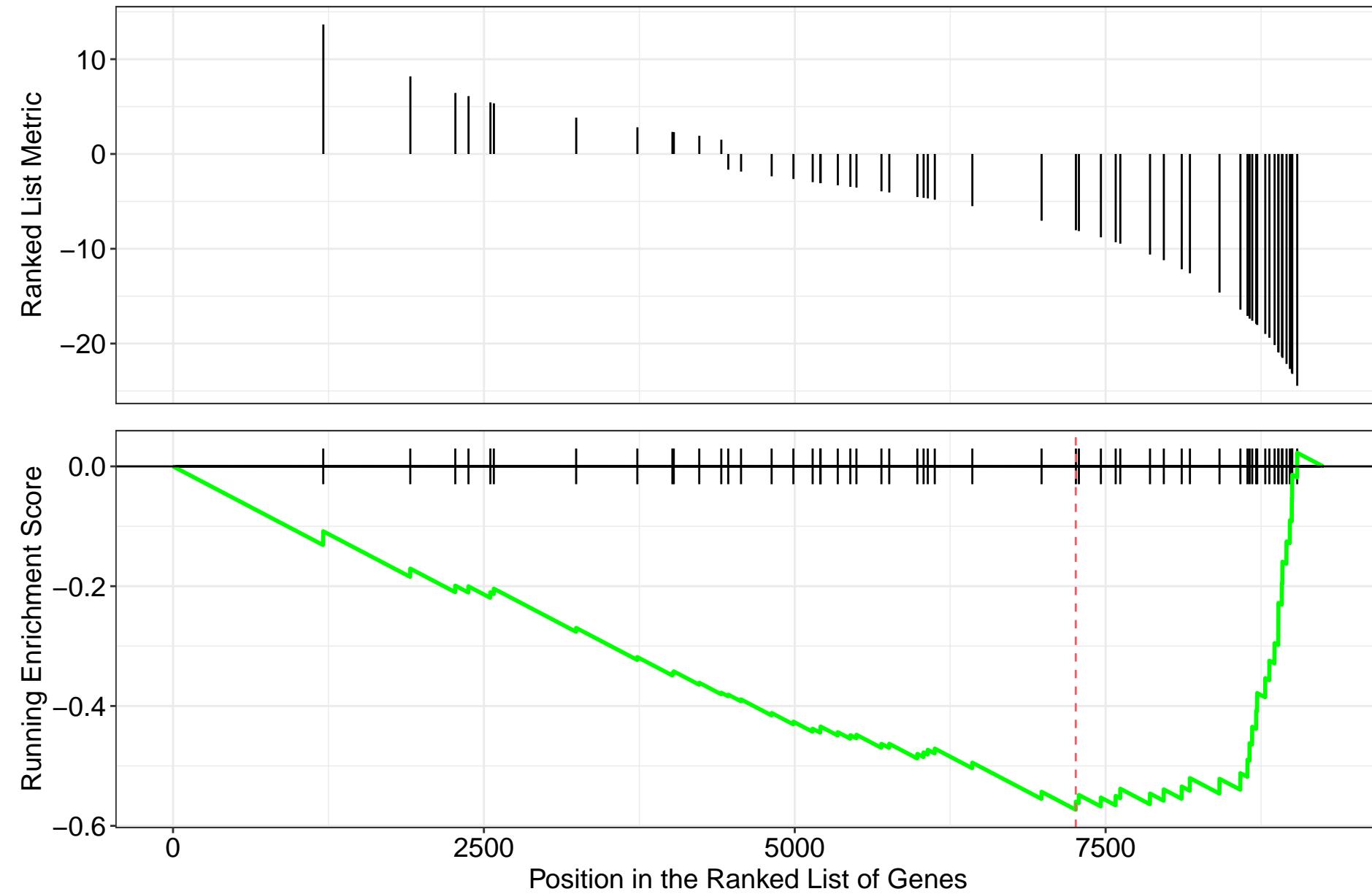
positive regulation of interleukin–1 beta production



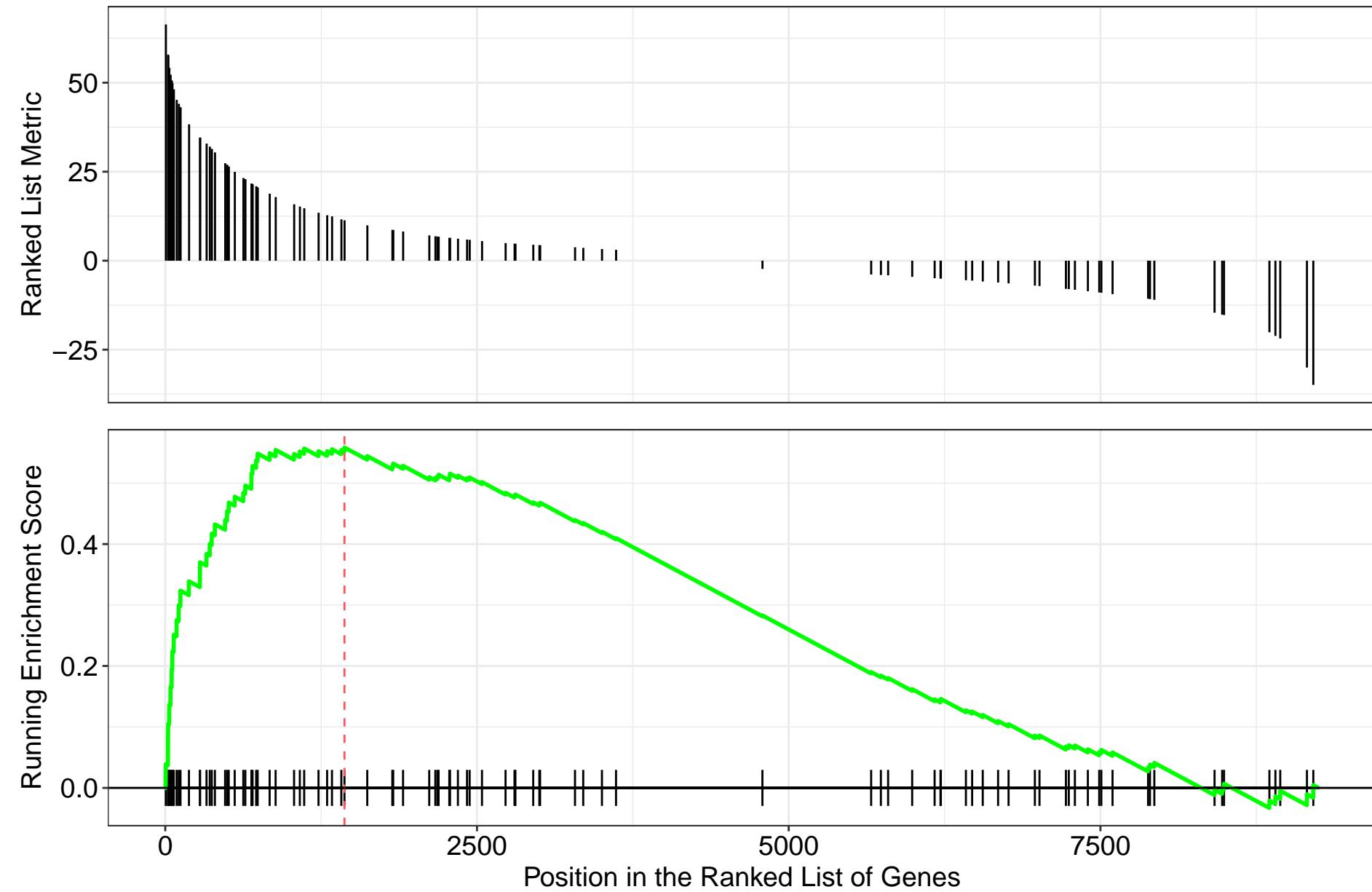
metaphase/anaphase transition of mitotic cell cycle



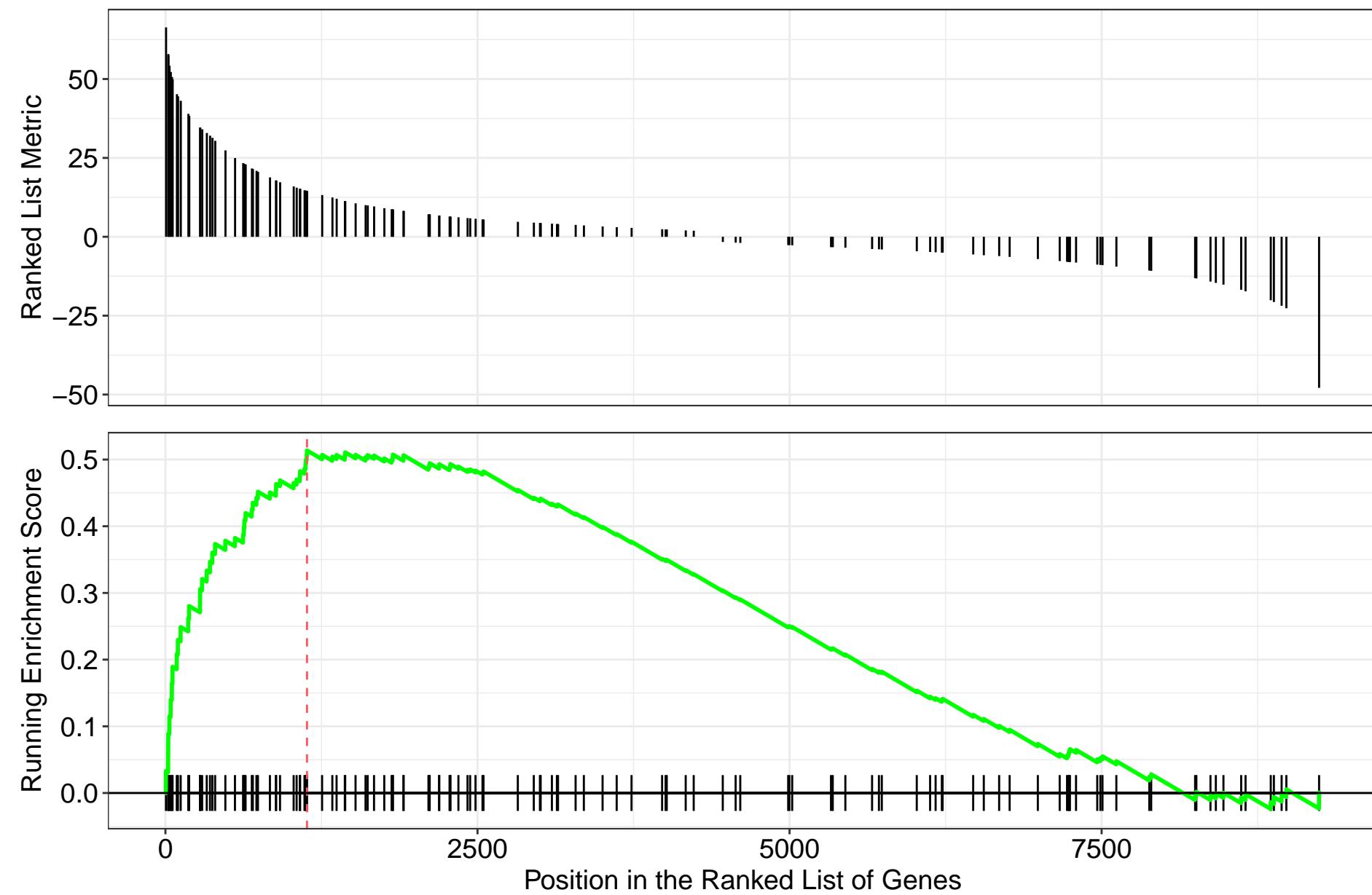
metaphase/anaphase transition of cell cycle



positive regulation of leukocyte proliferation

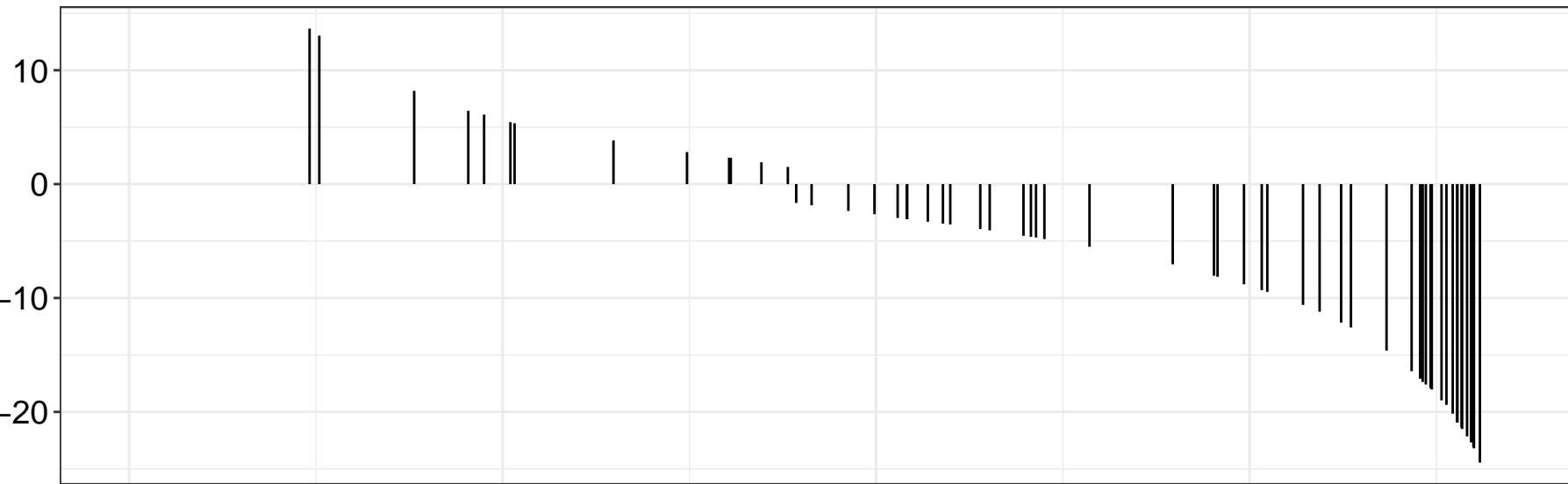


positive regulation of T cell activation



regulation of mitotic sister chromatid separation

Ranked List Metric



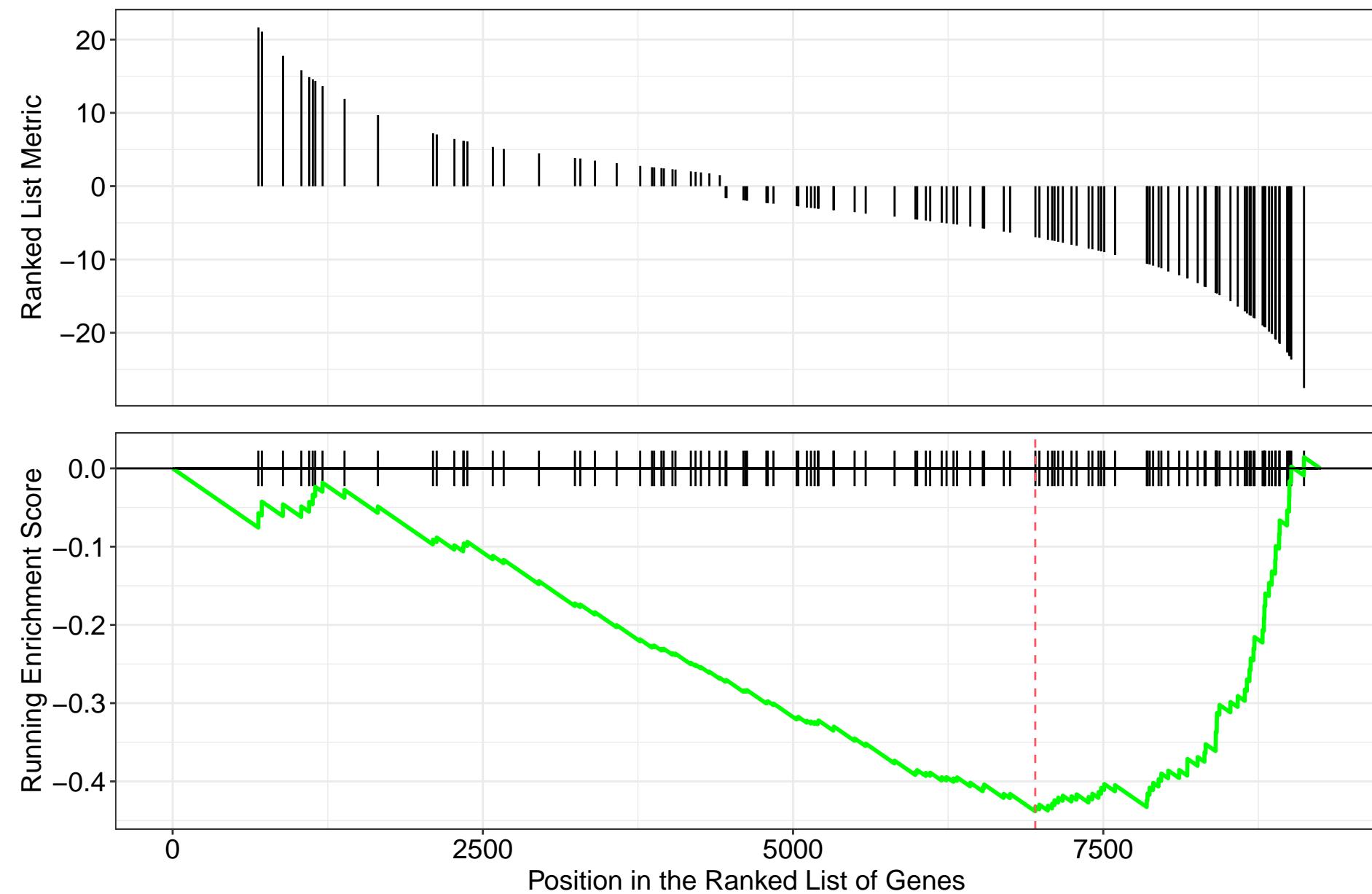
Running Enrichment Score

0 2500 5000 7500

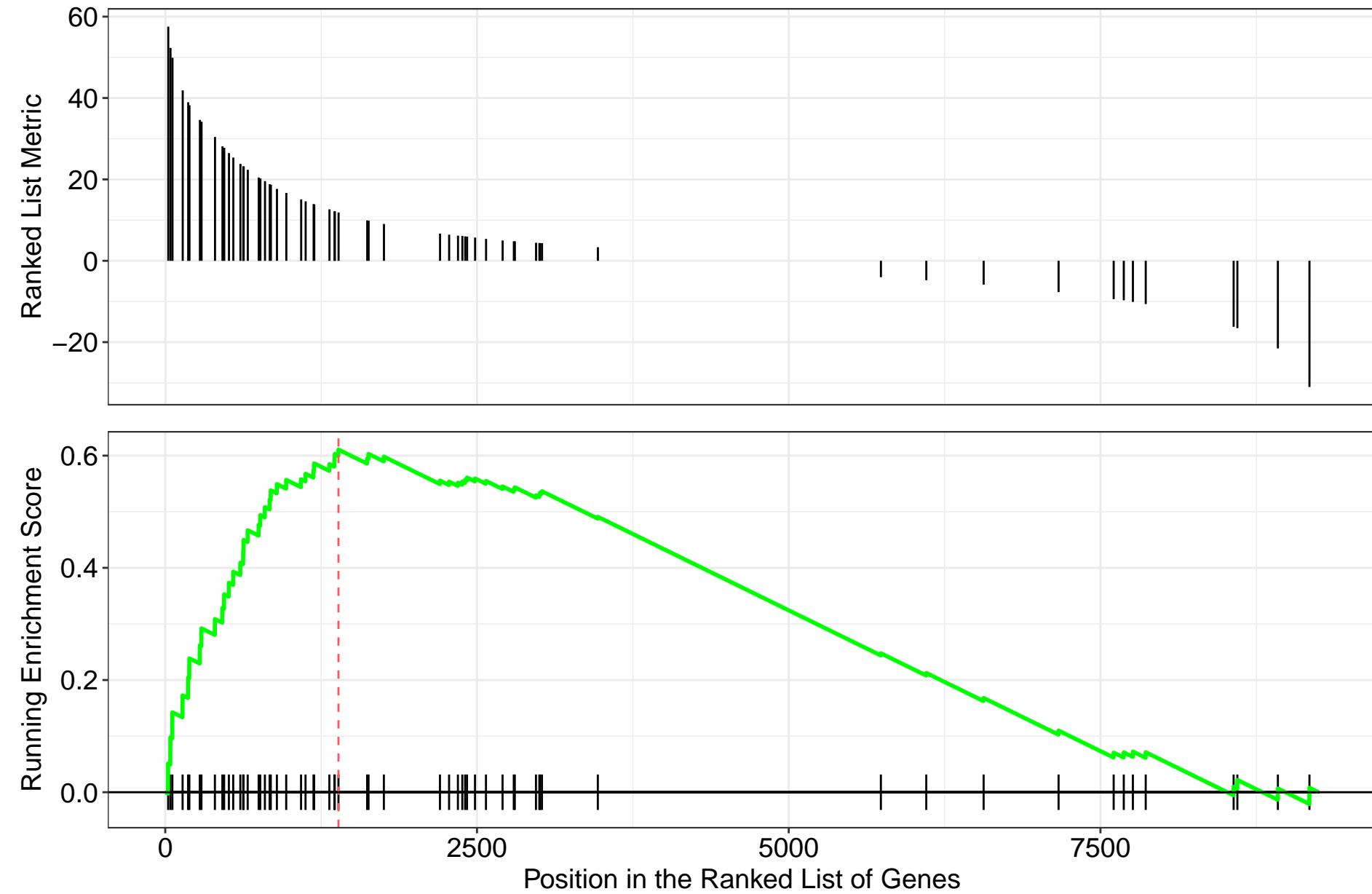
Position in the Ranked List of Genes



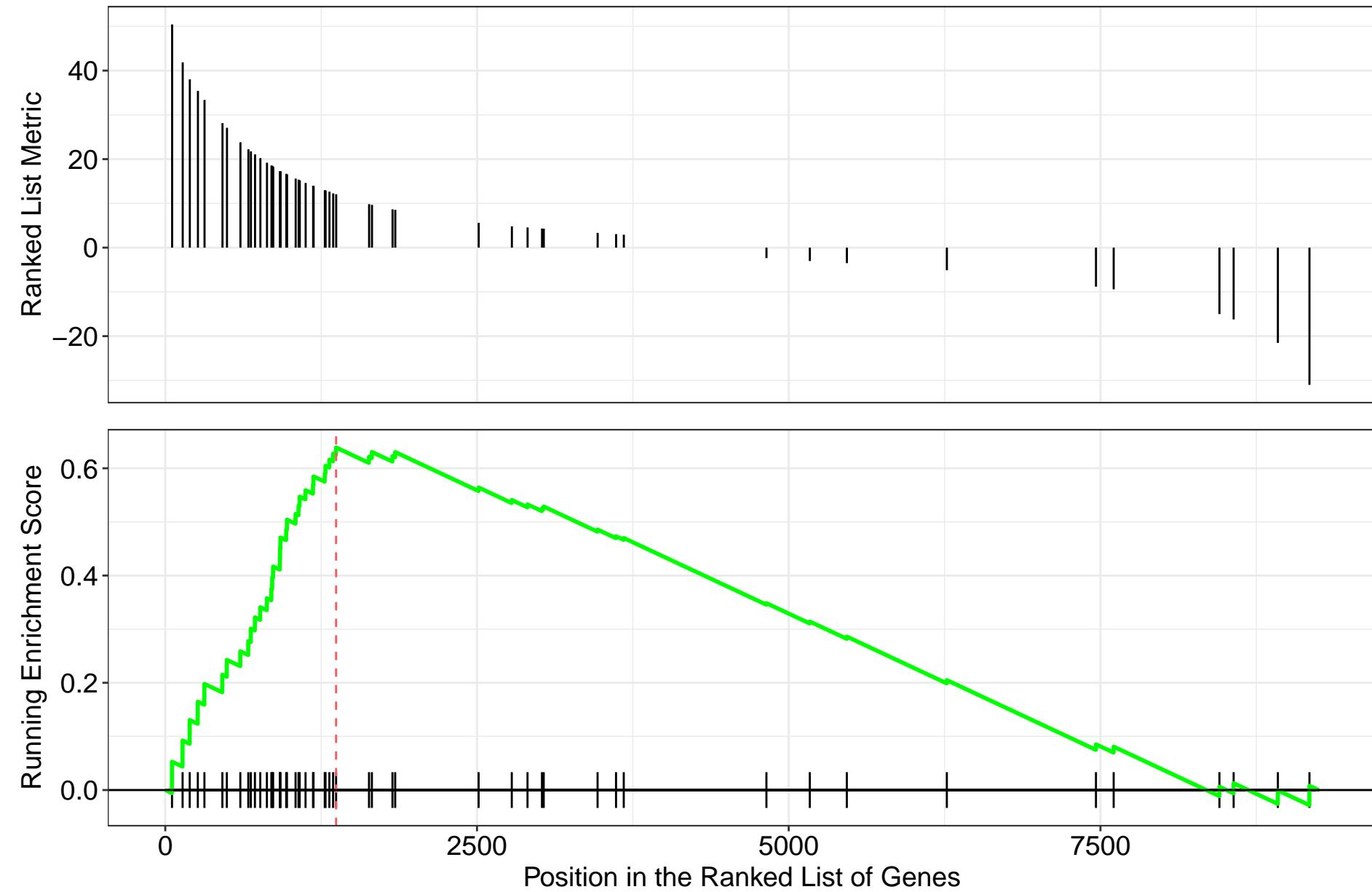
cell cycle checkpoint signaling



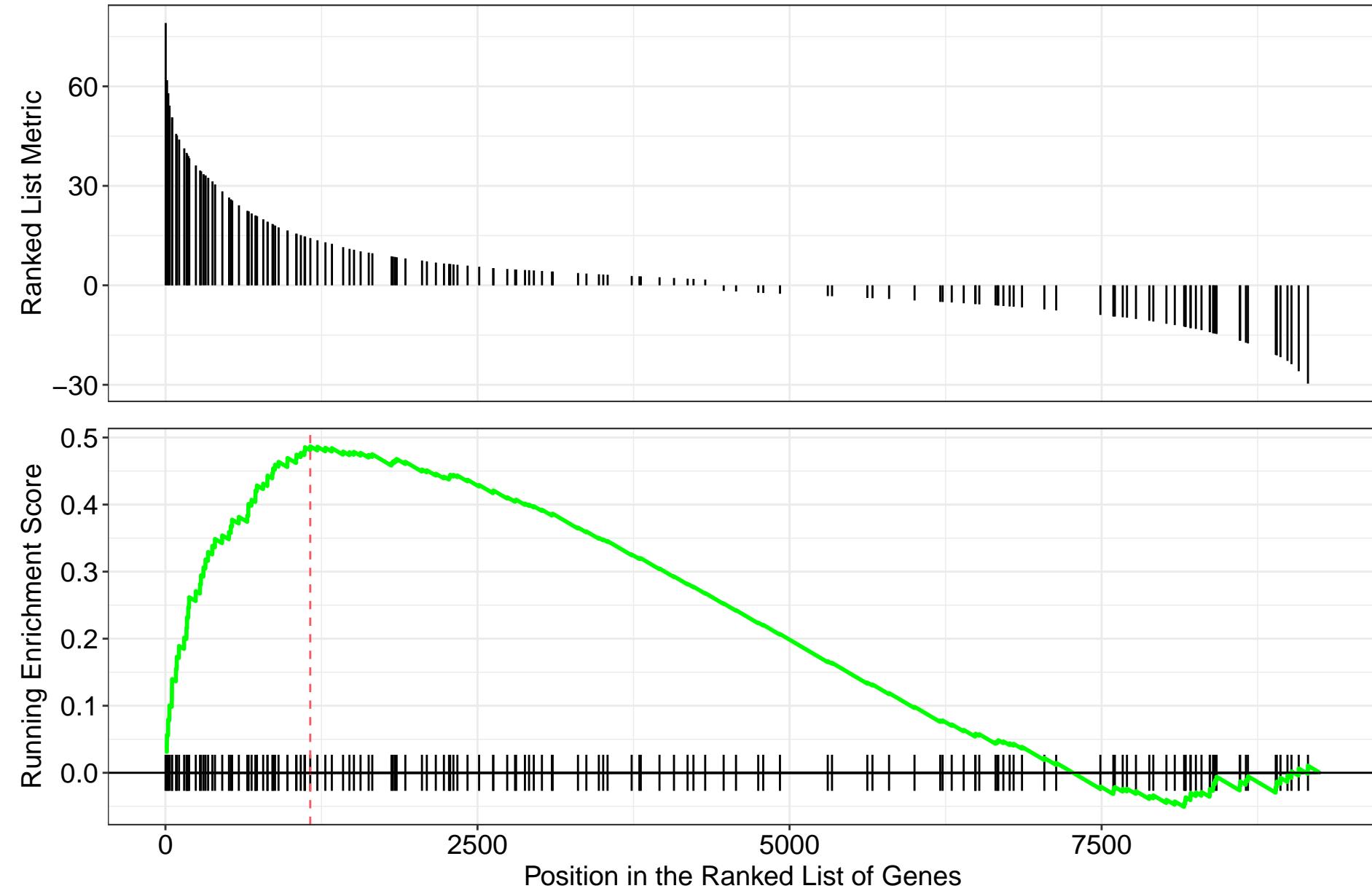
regulation of leukocyte mediated cytotoxicity



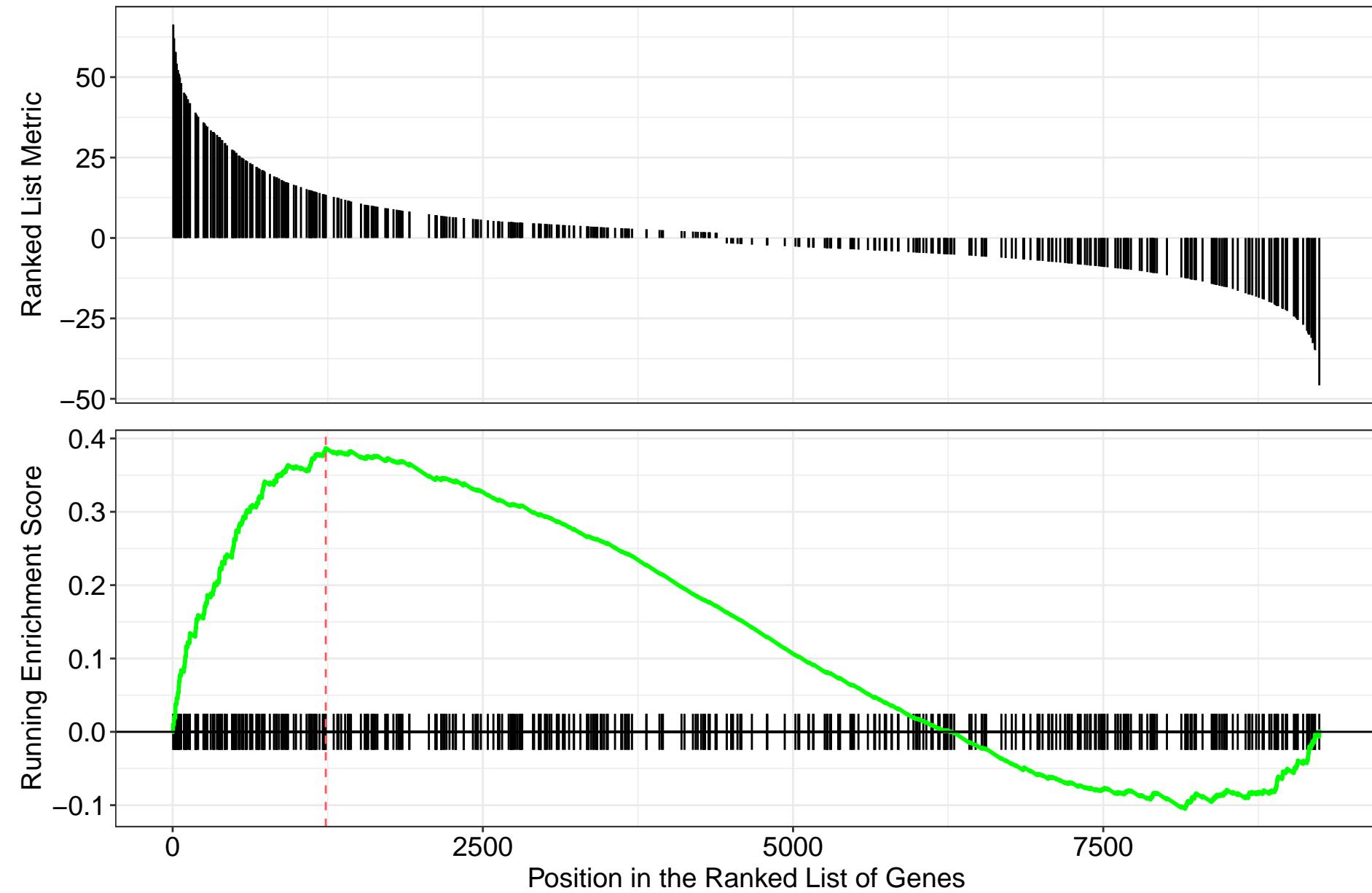
negative regulation of innate immune response



ERK1 and ERK2 cascade

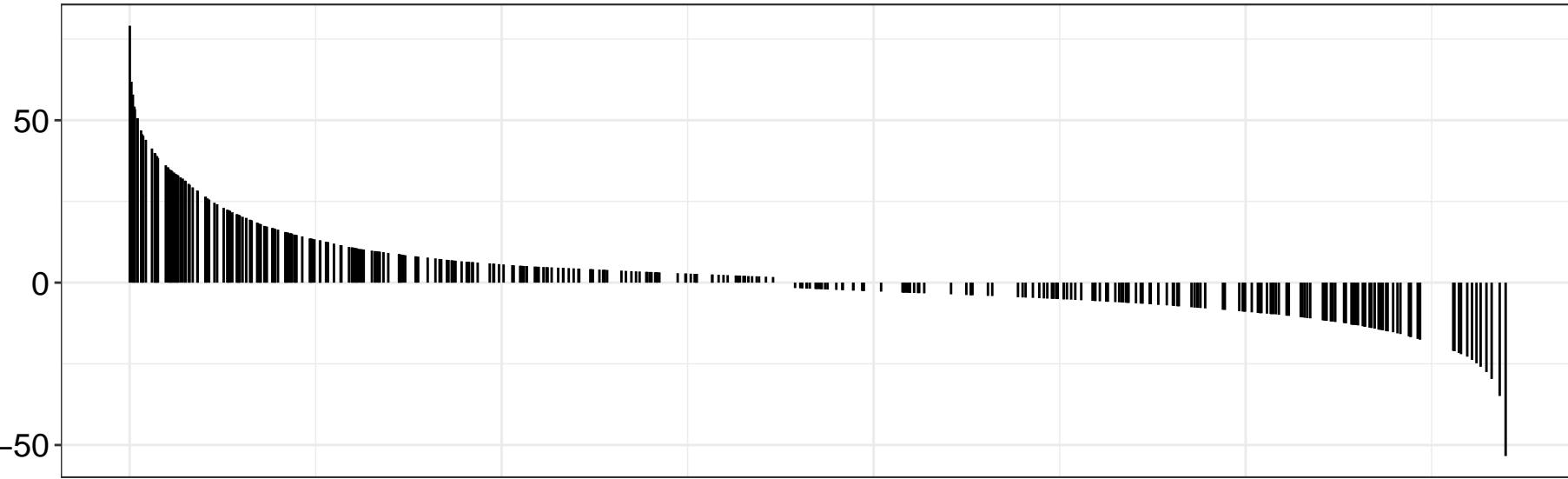


positive regulation of cell population proliferation



MAPK cascade

Ranked List Metric



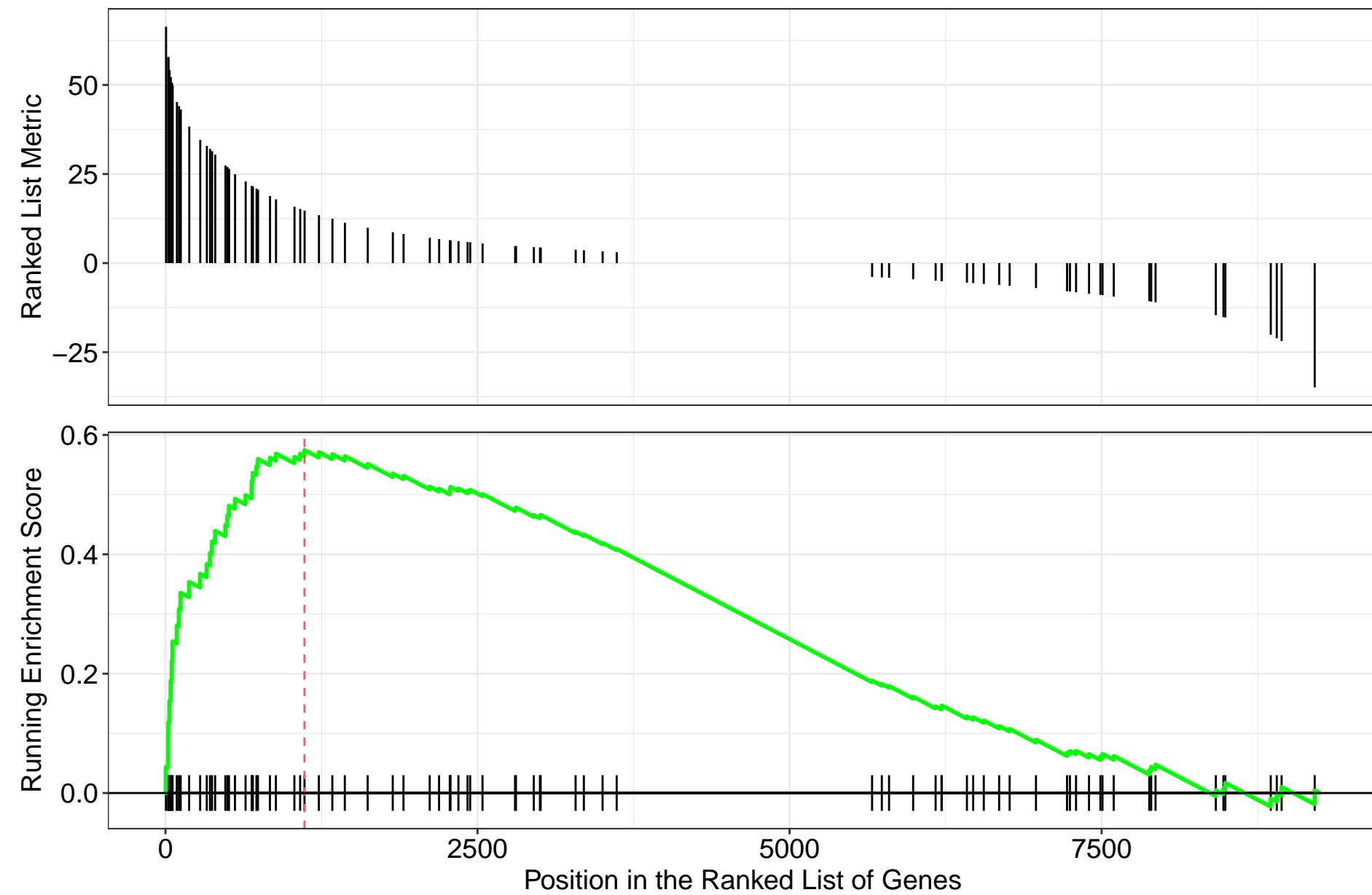
Running Enrichment Score

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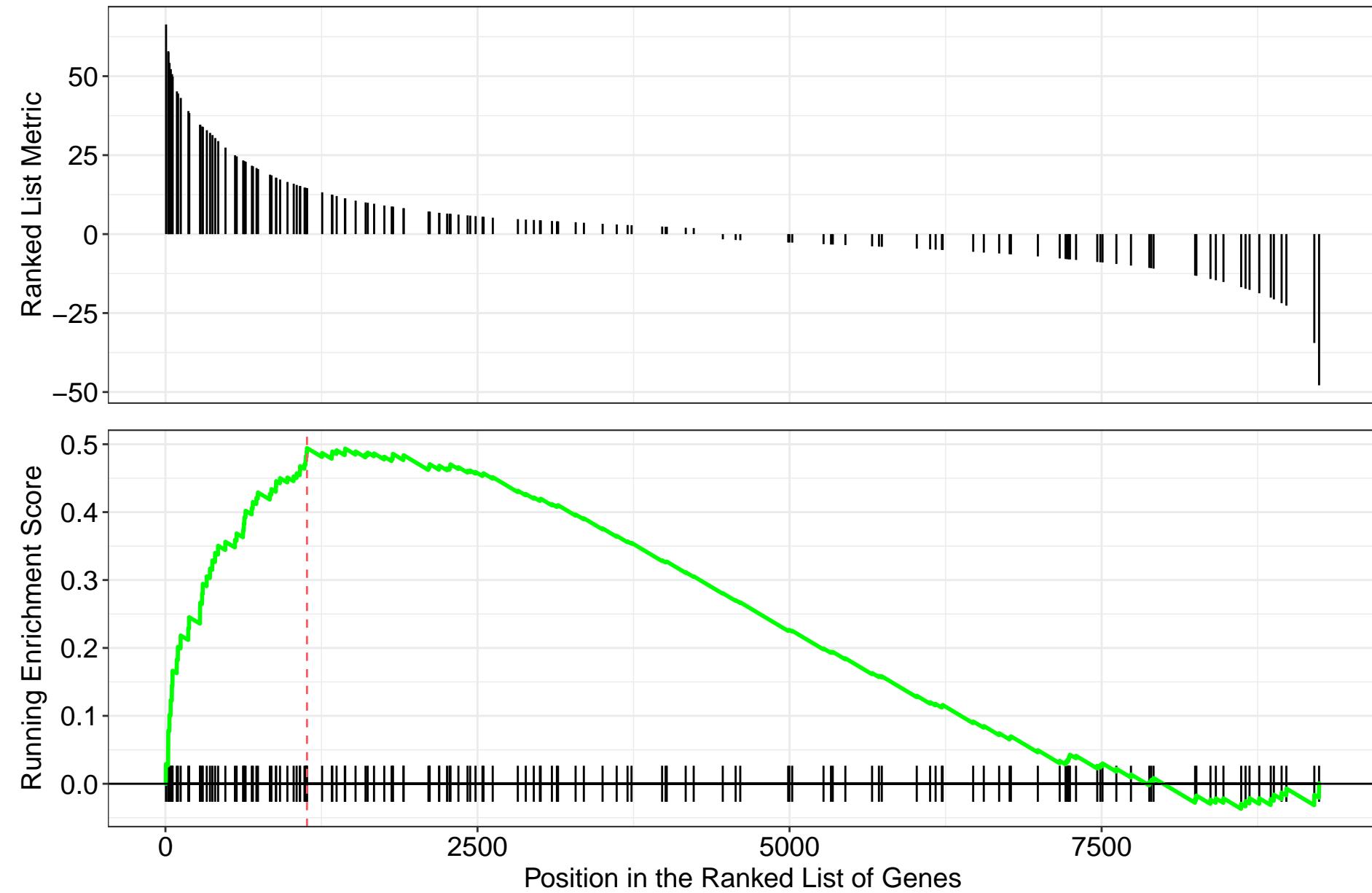
Position in the Ranked List of Genes



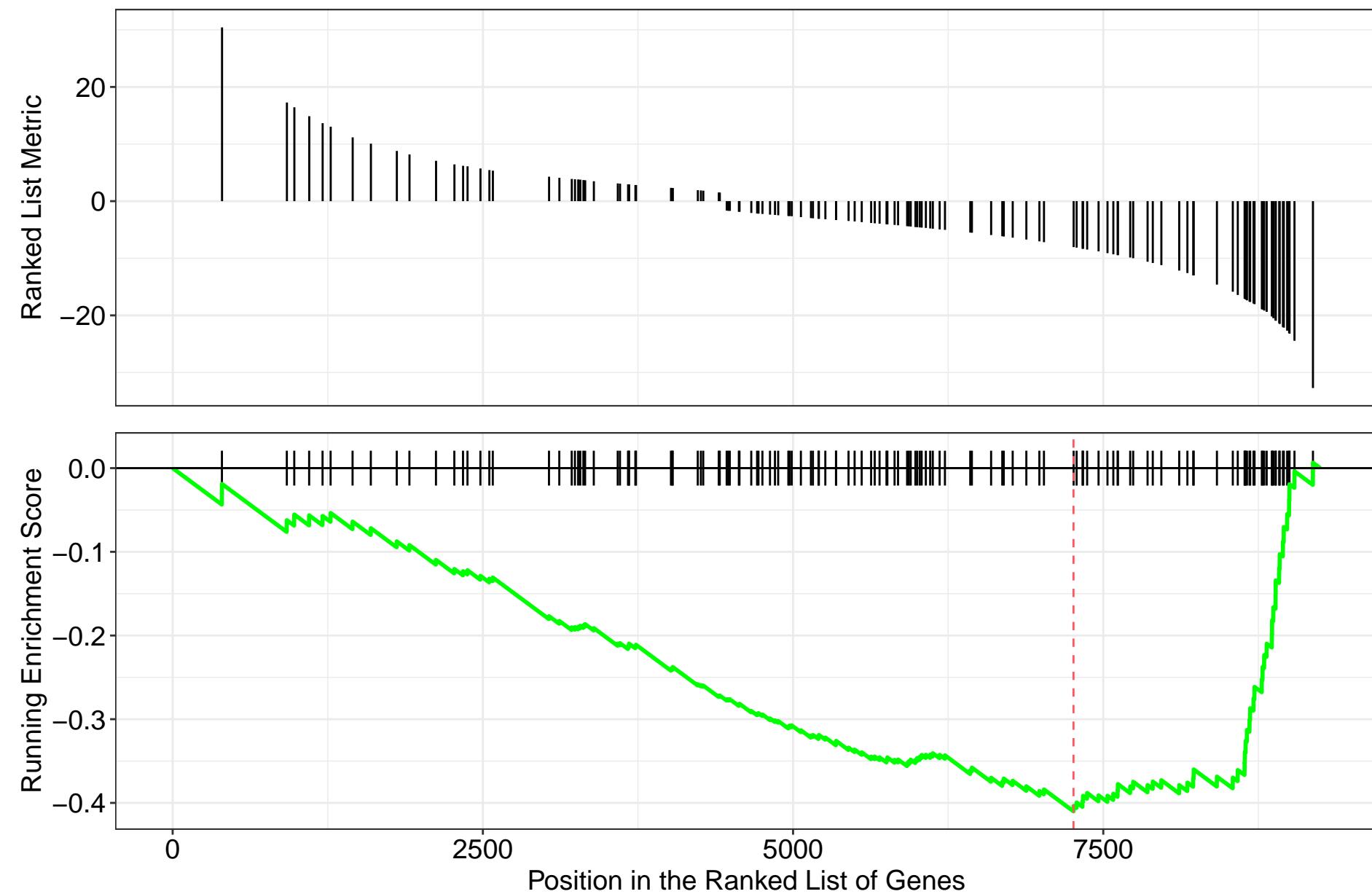
positive regulation of lymphocyte proliferation



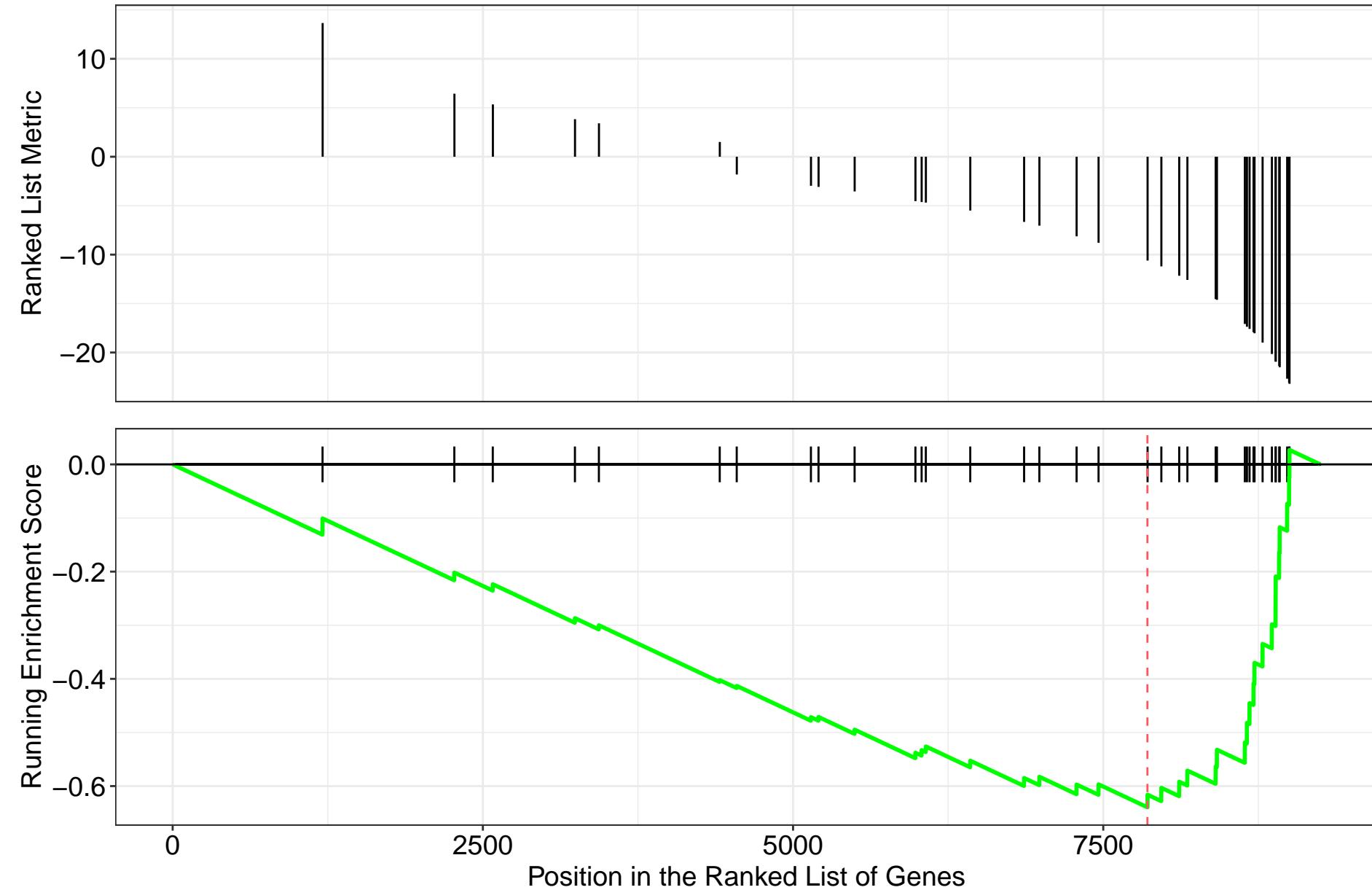
positive regulation of leukocyte cell–cell adhesion



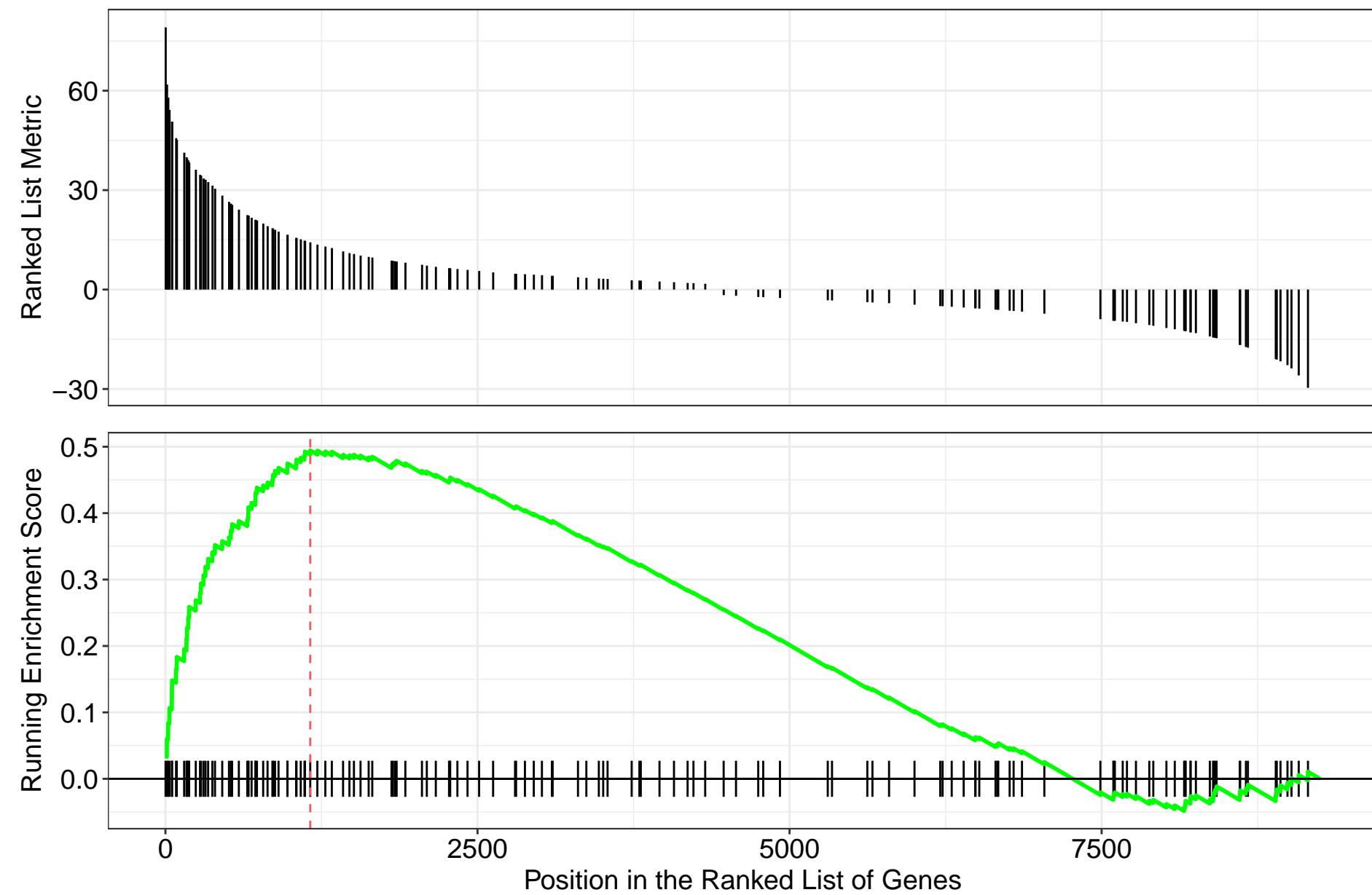
regulation of chromosome organization



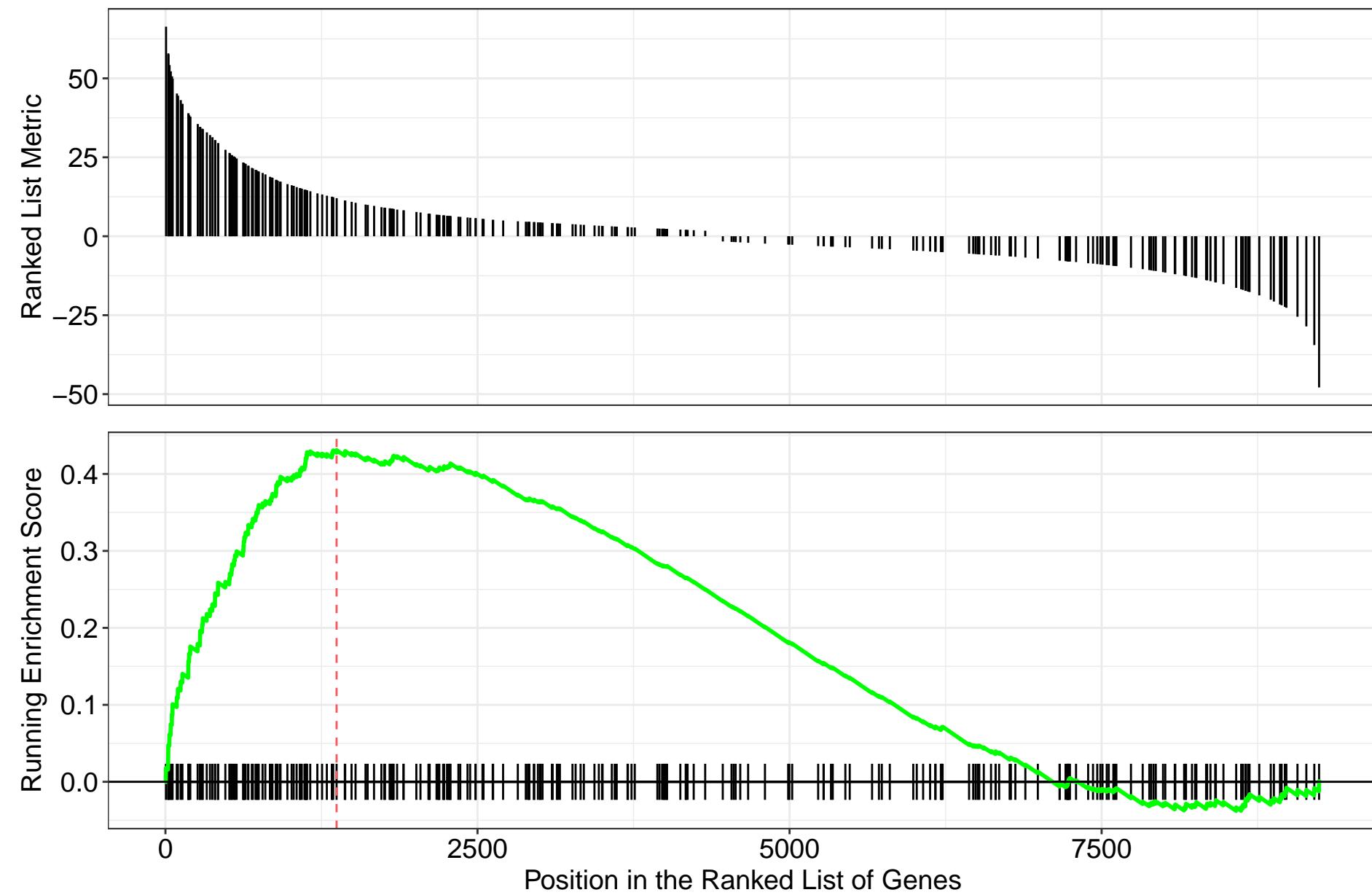
negative regulation of mitotic nuclear division



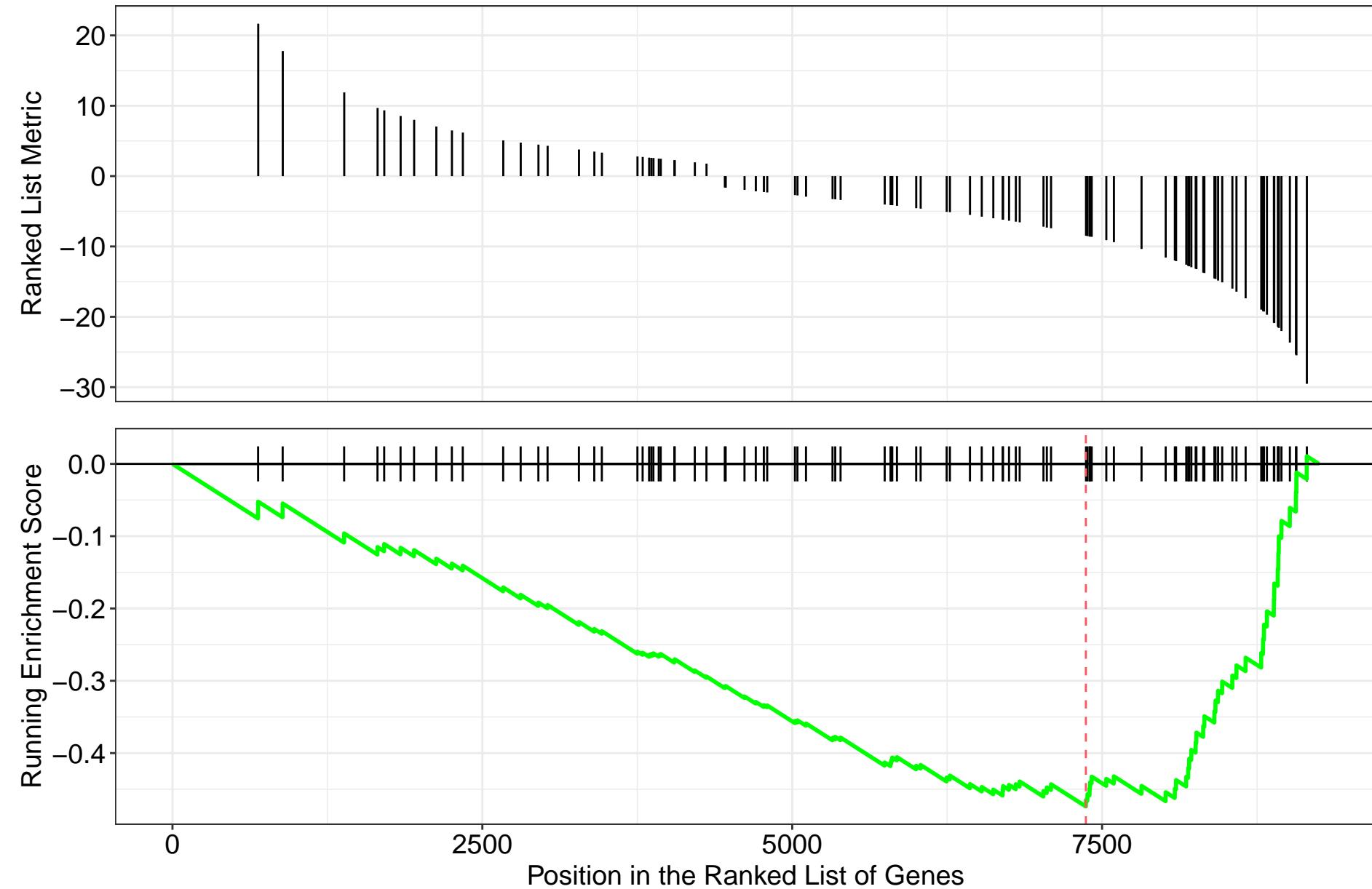
regulation of ERK1 and ERK2 cascade



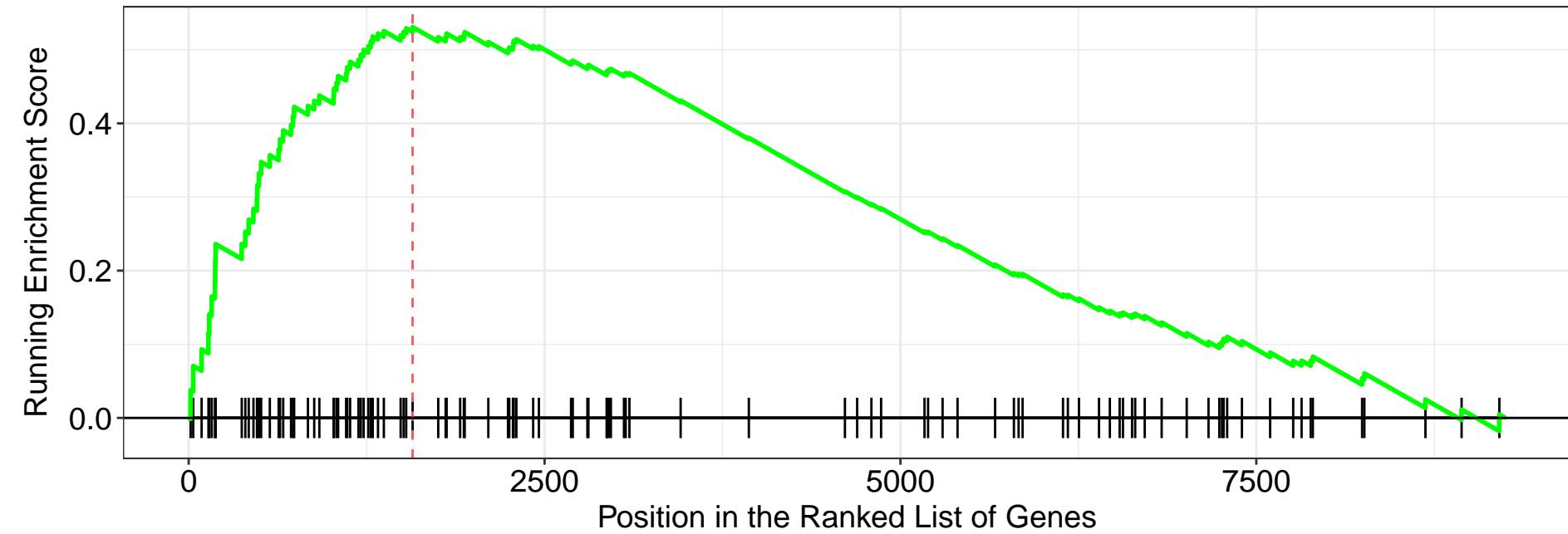
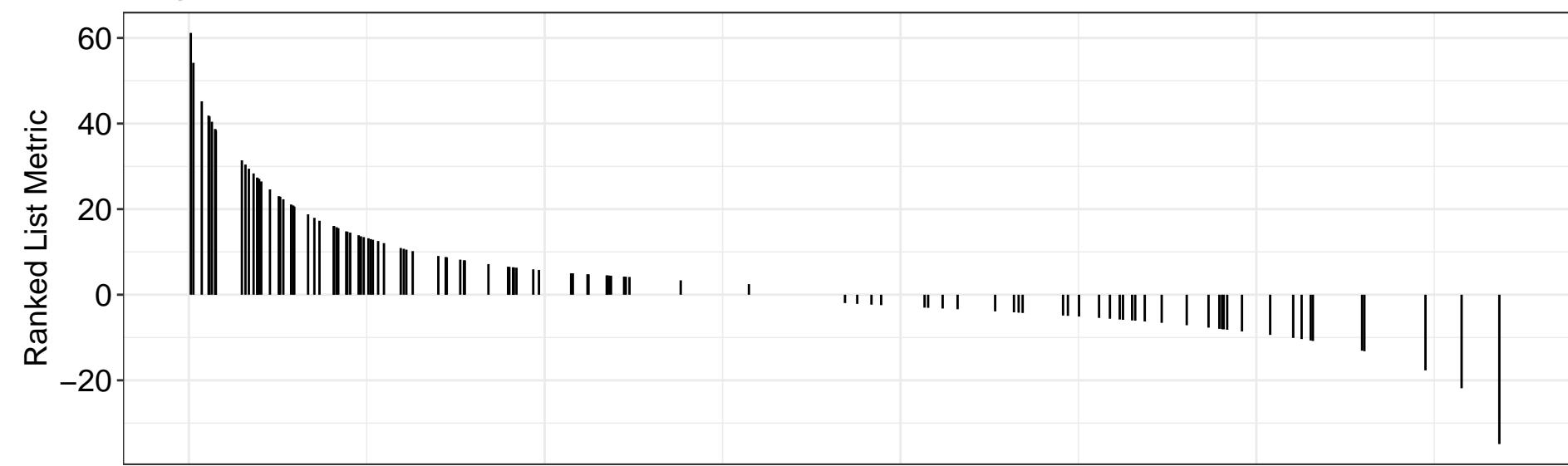
positive regulation of cell adhesion



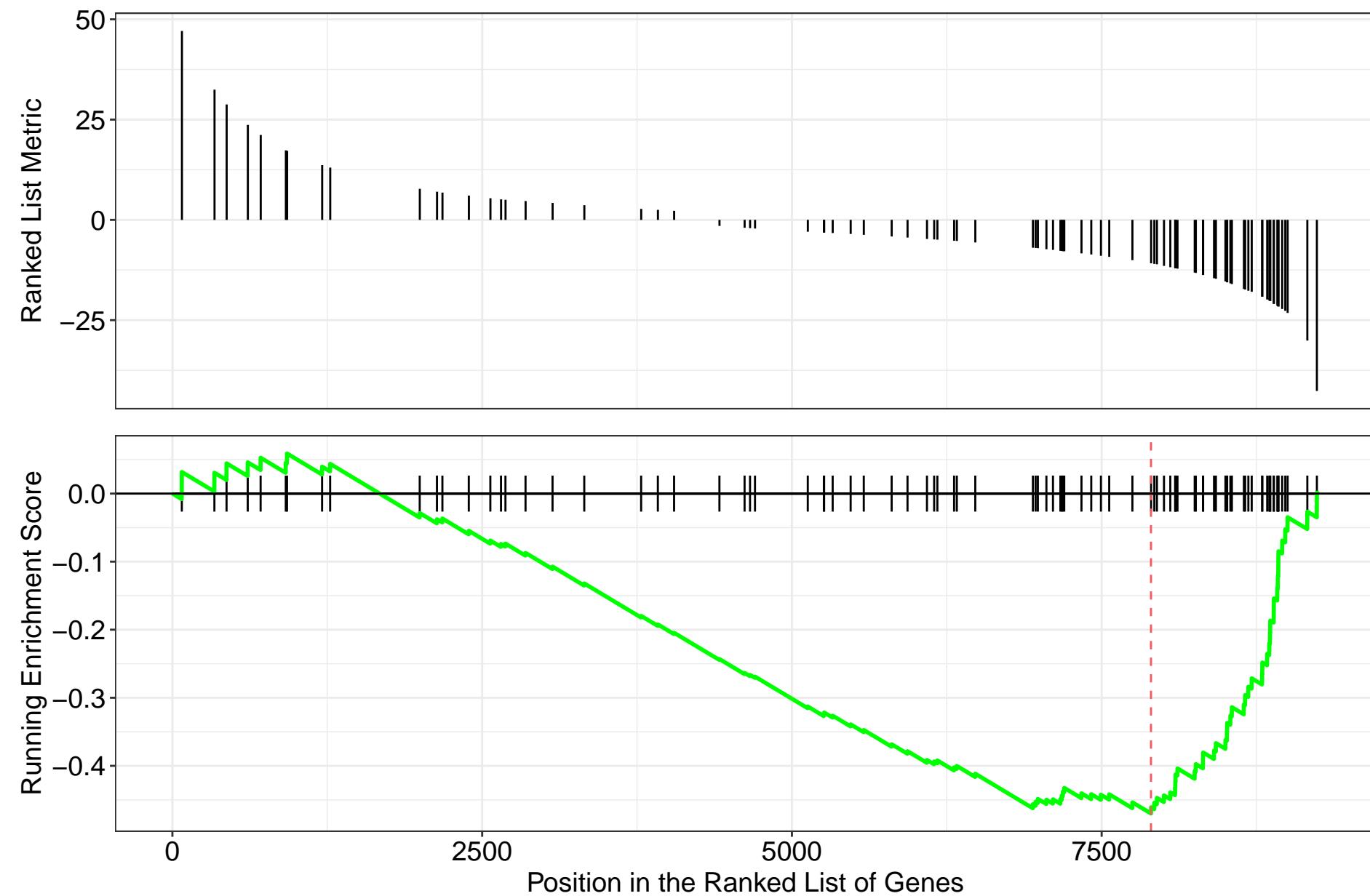
cell cycle G2/M phase transition



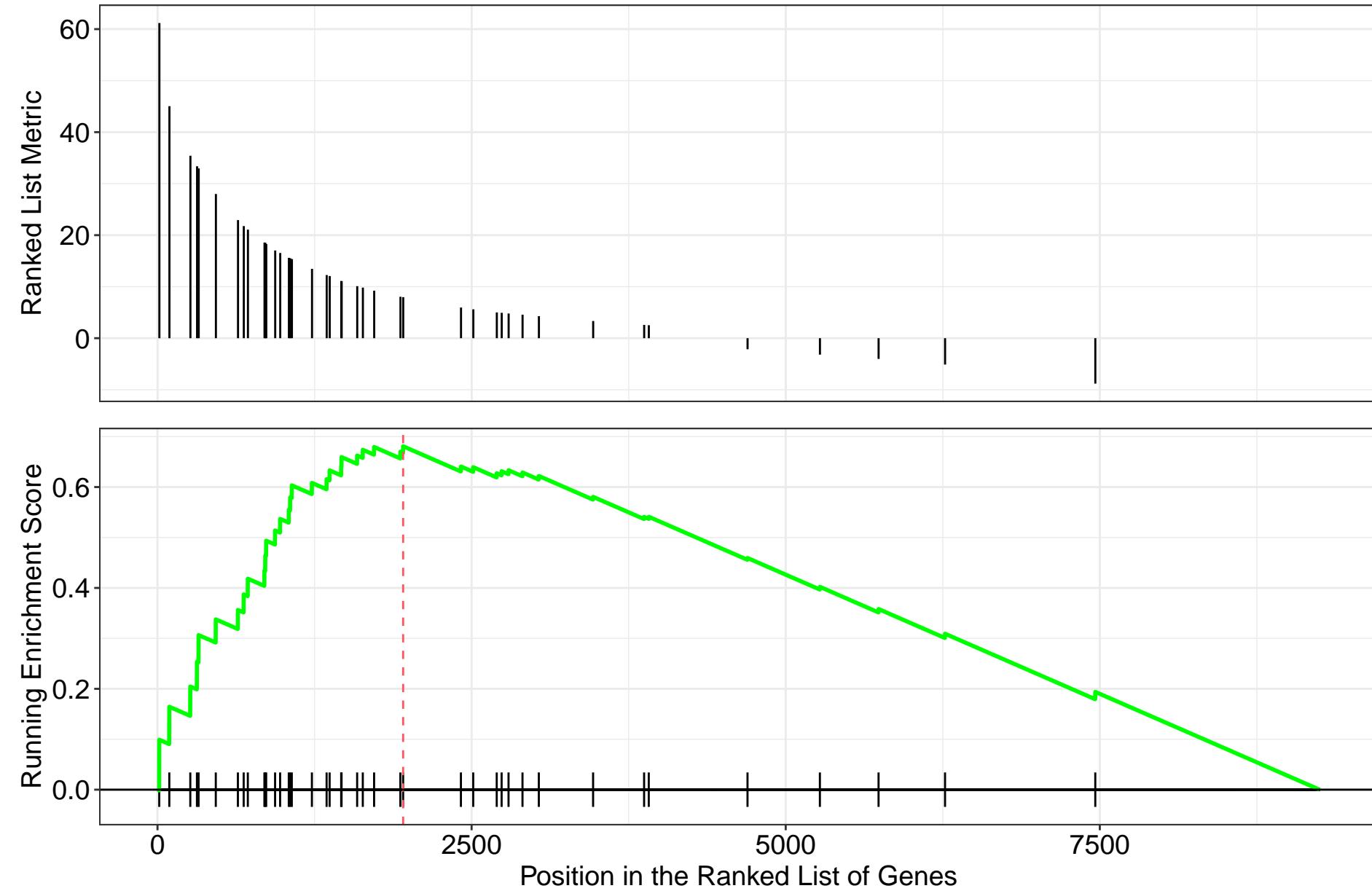
regulation of production of molecular mediator of immune response



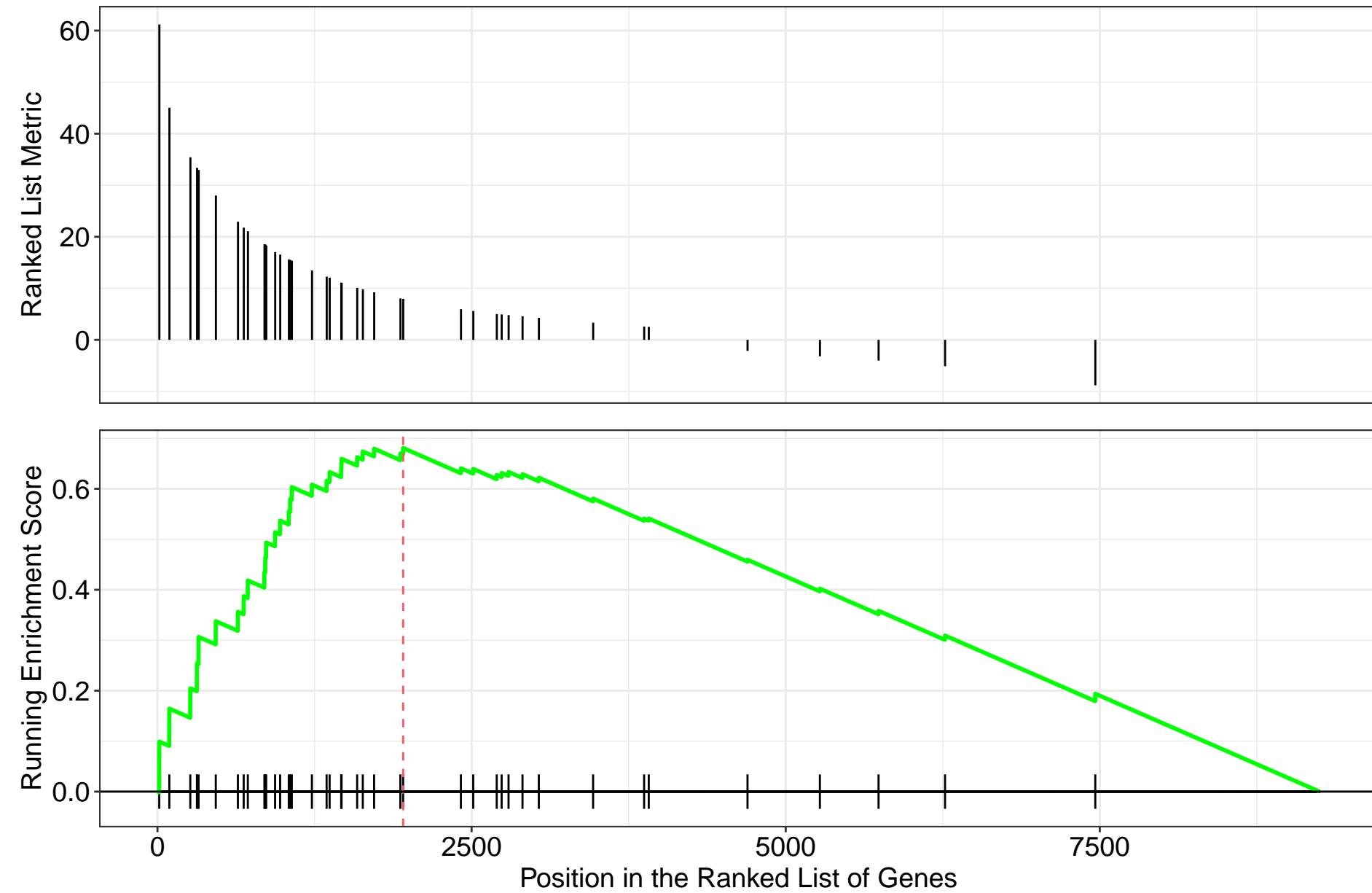
meiotic nuclear division



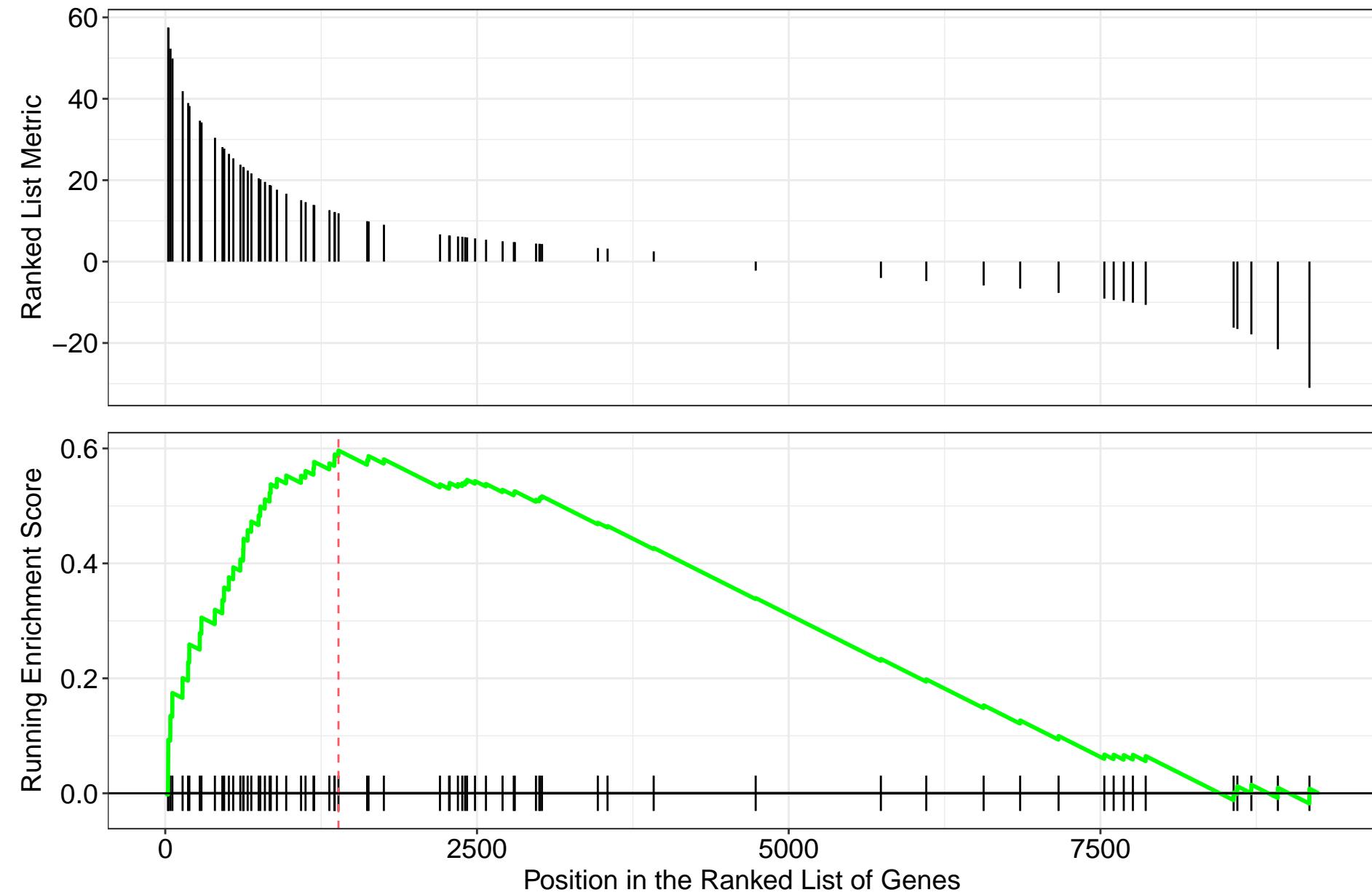
type I interferon signaling pathway



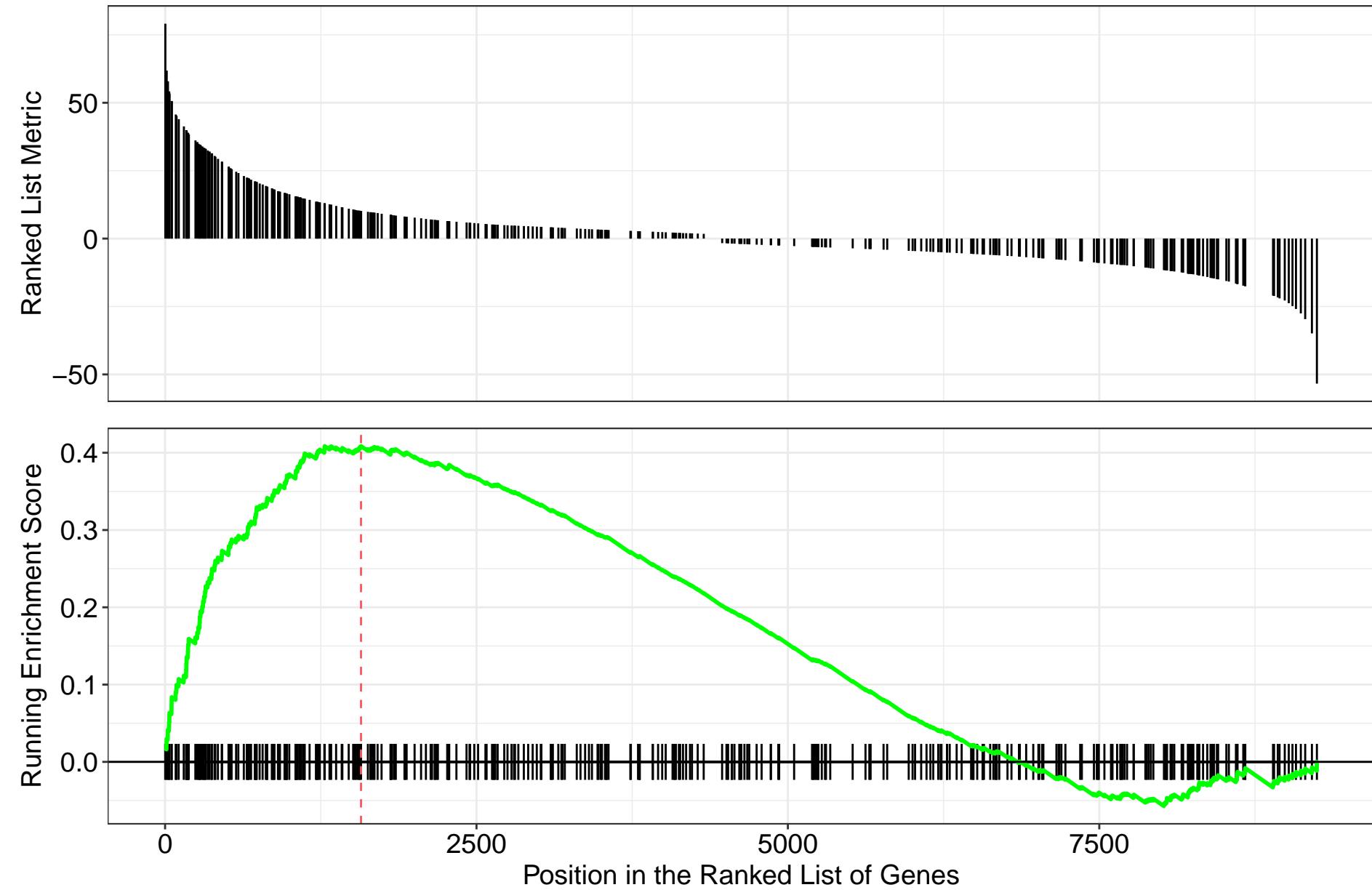
cellular response to type I interferon



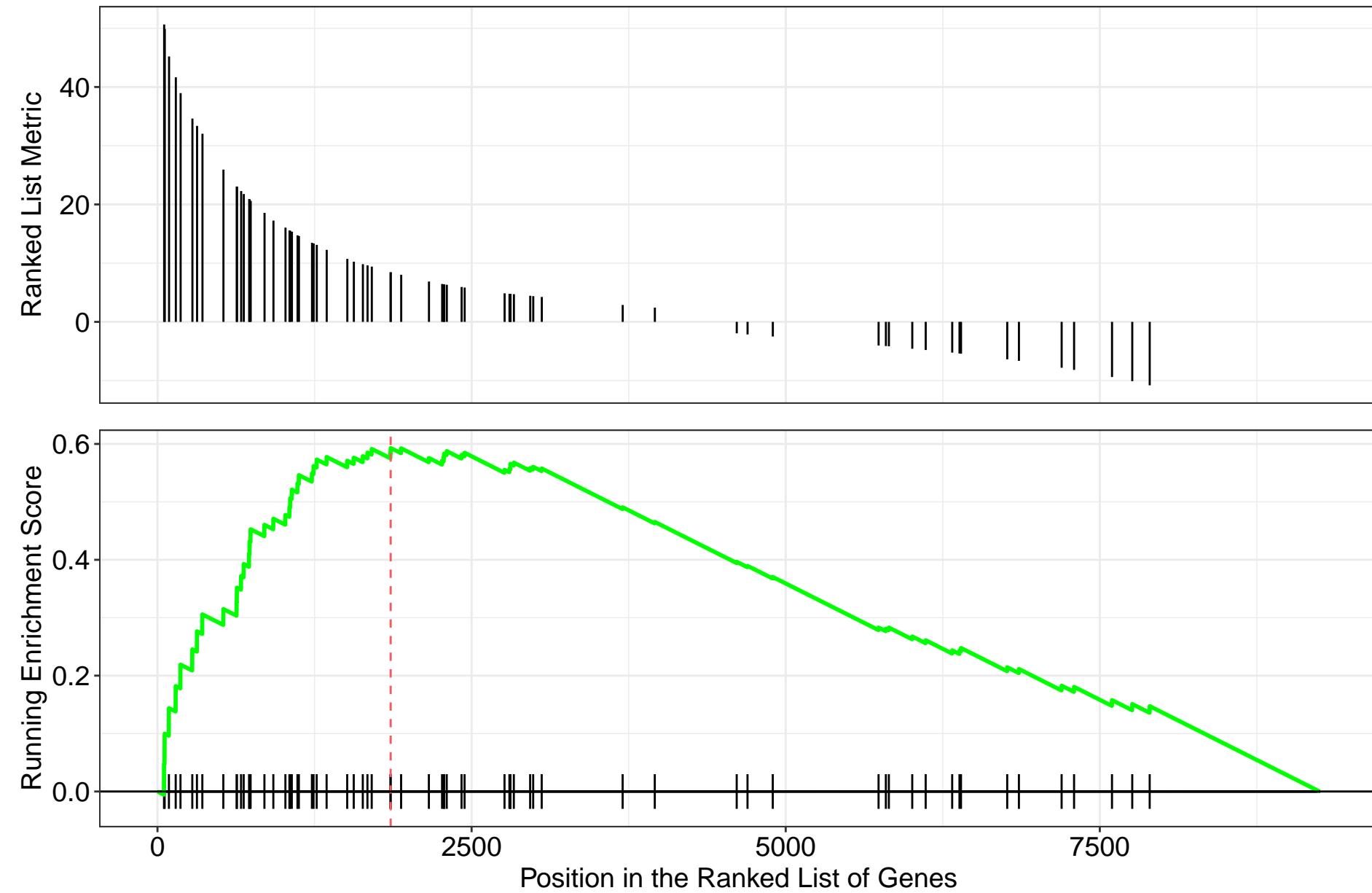
regulation of cell killing



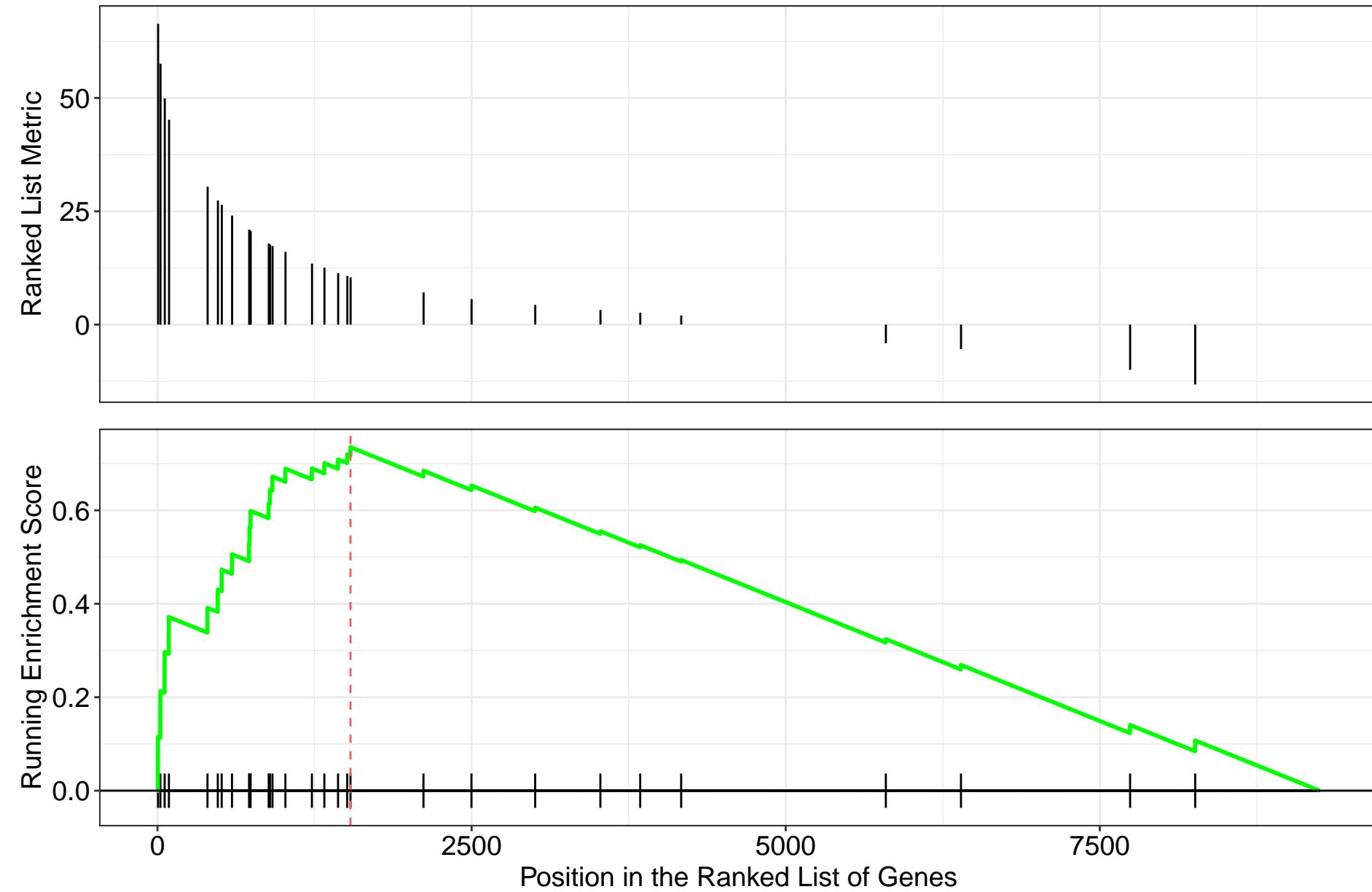
regulation of MAPK cascade



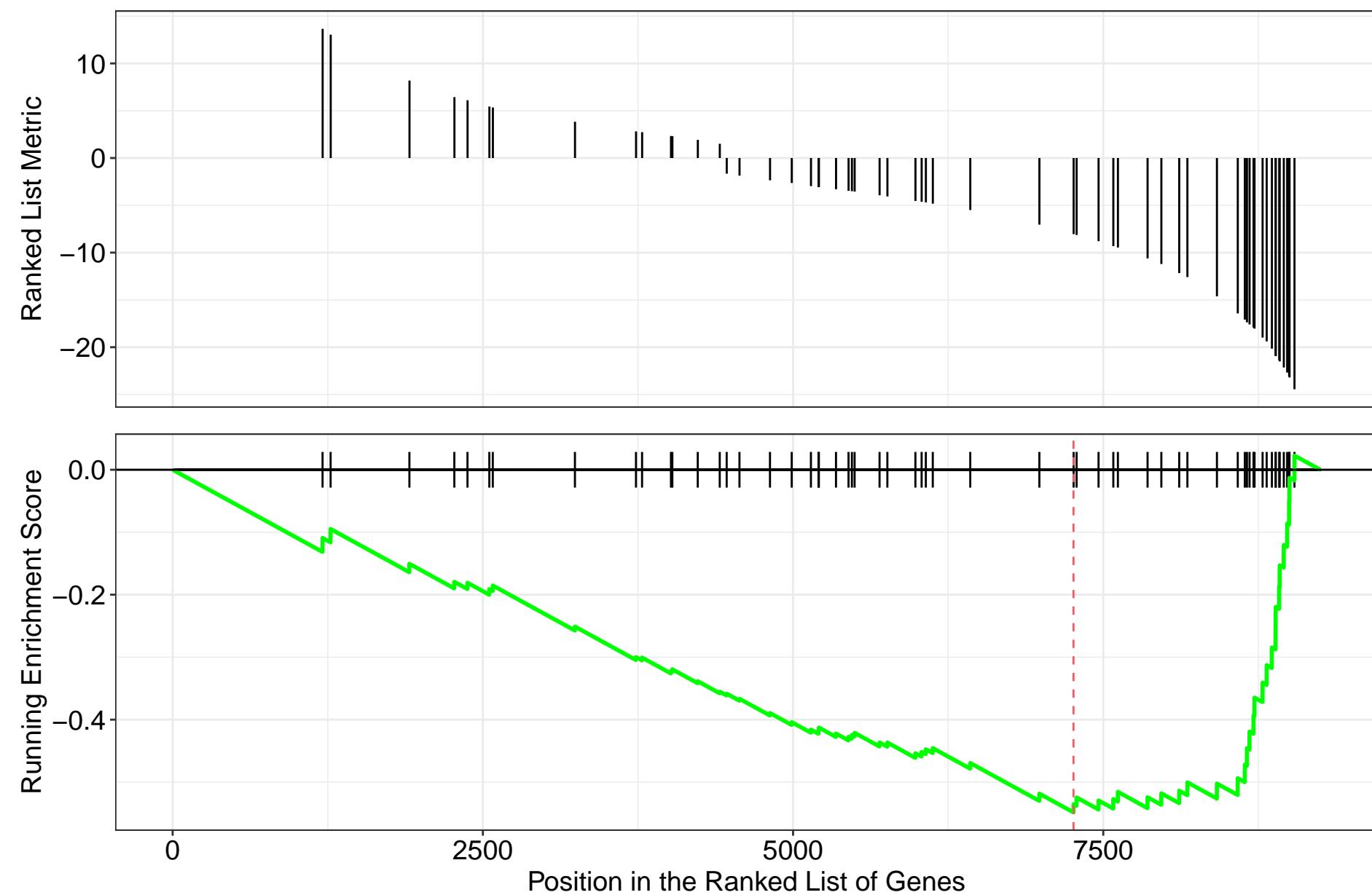
positive regulation of tumor necrosis factor superfamily cytokine production



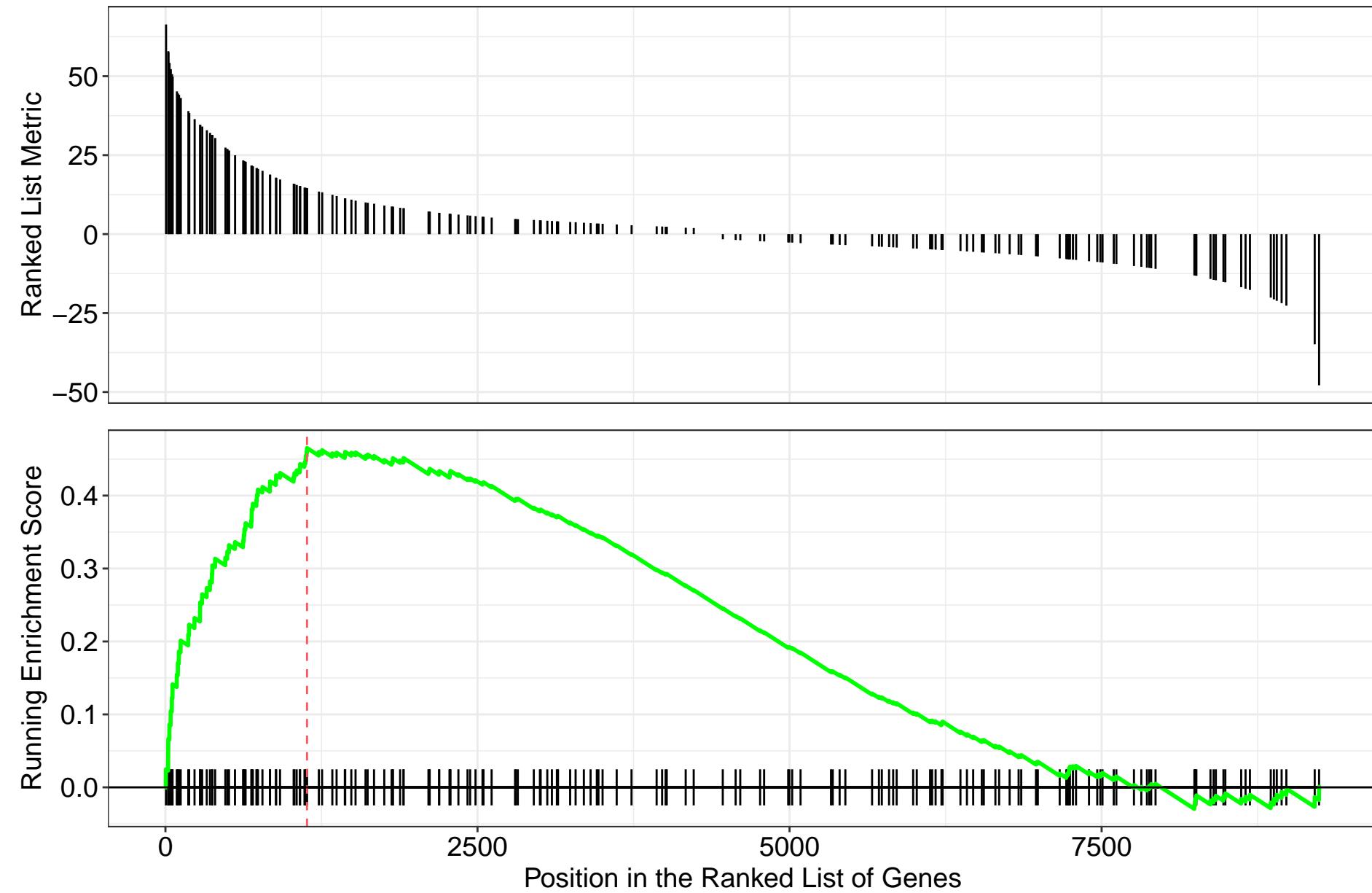
regulation of interleukin-17 production



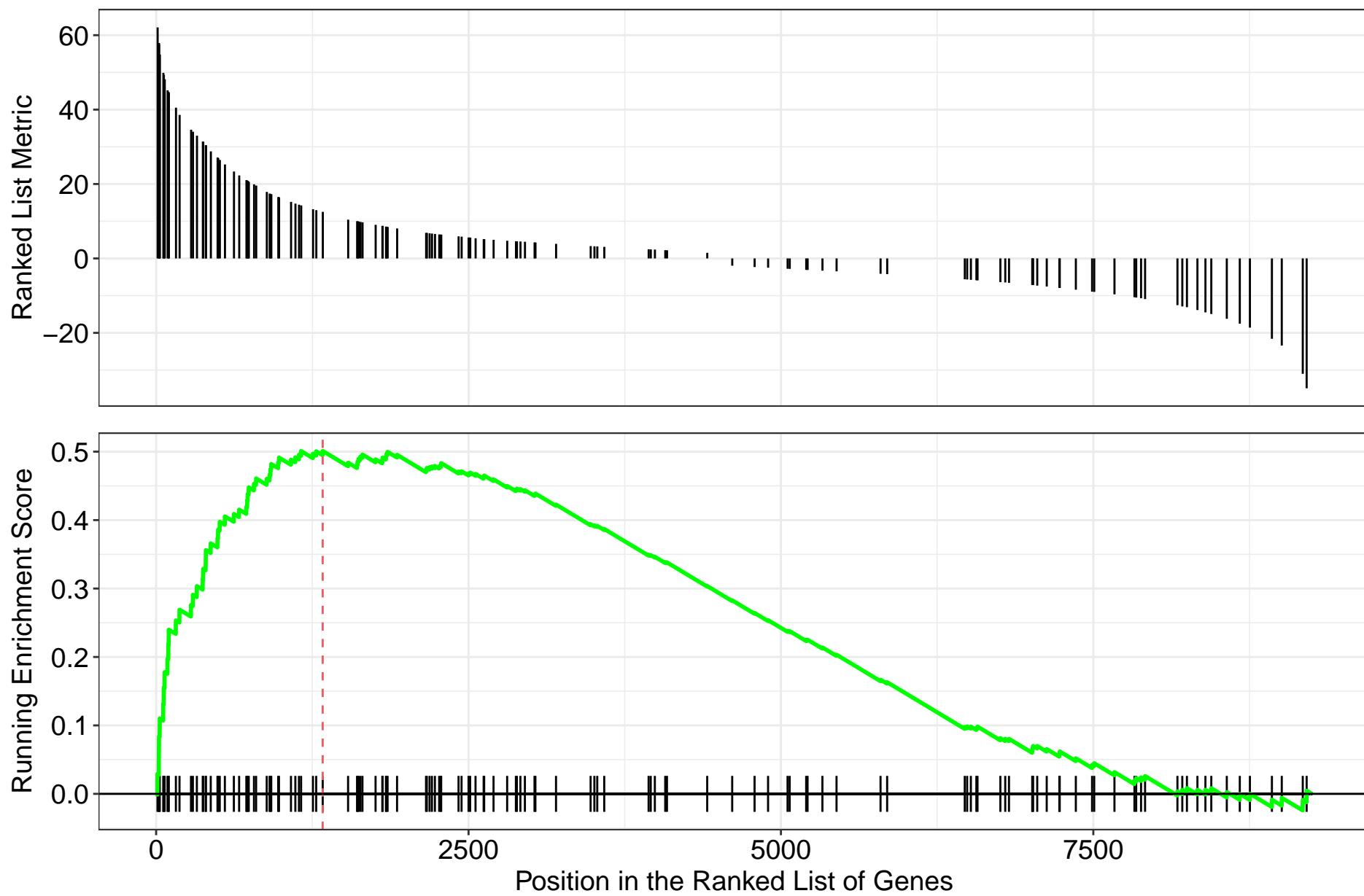
mitotic sister chromatid separation



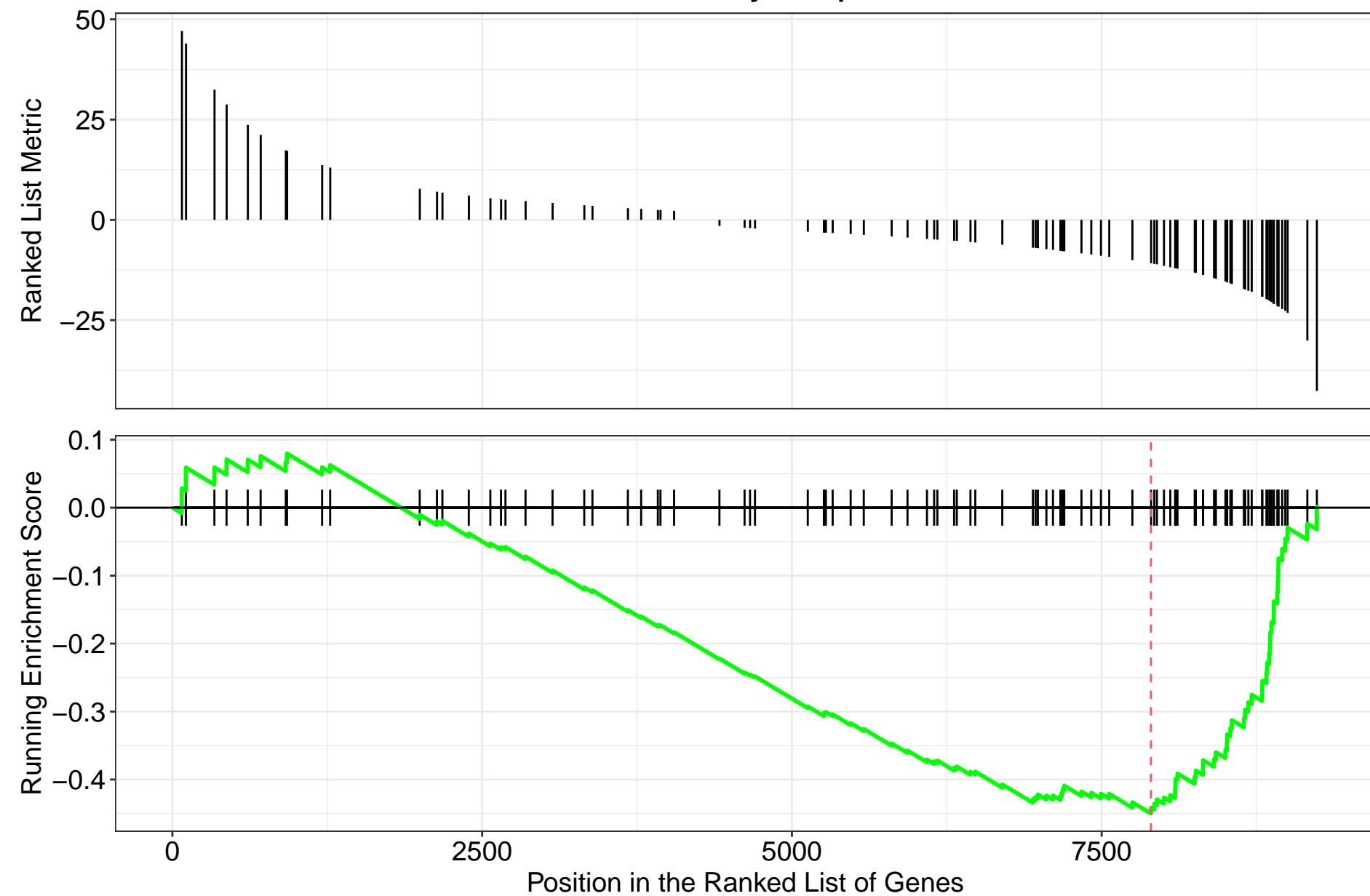
positive regulation of lymphocyte activation



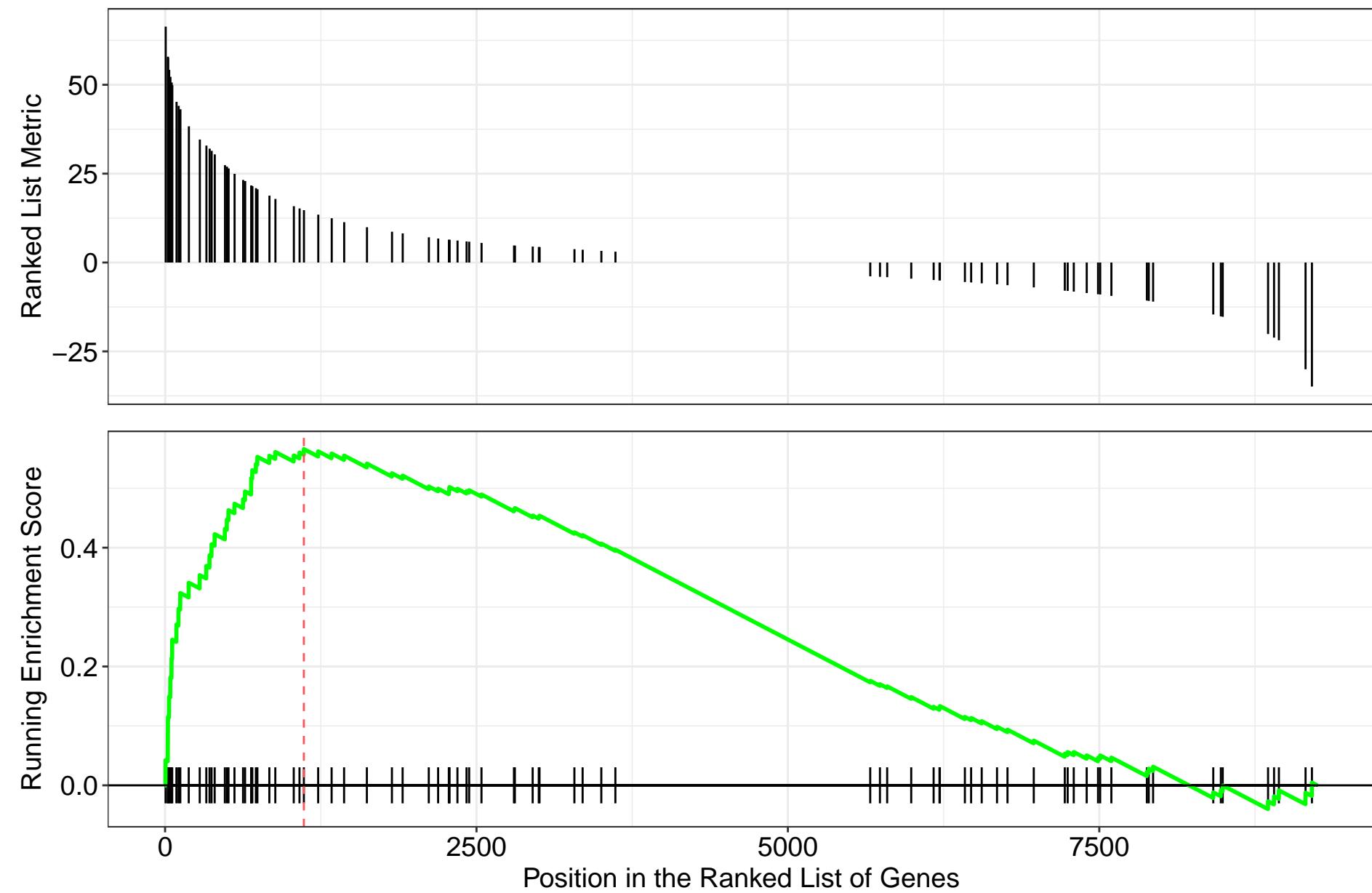
regulation of peptidyl–tyrosine phosphorylation



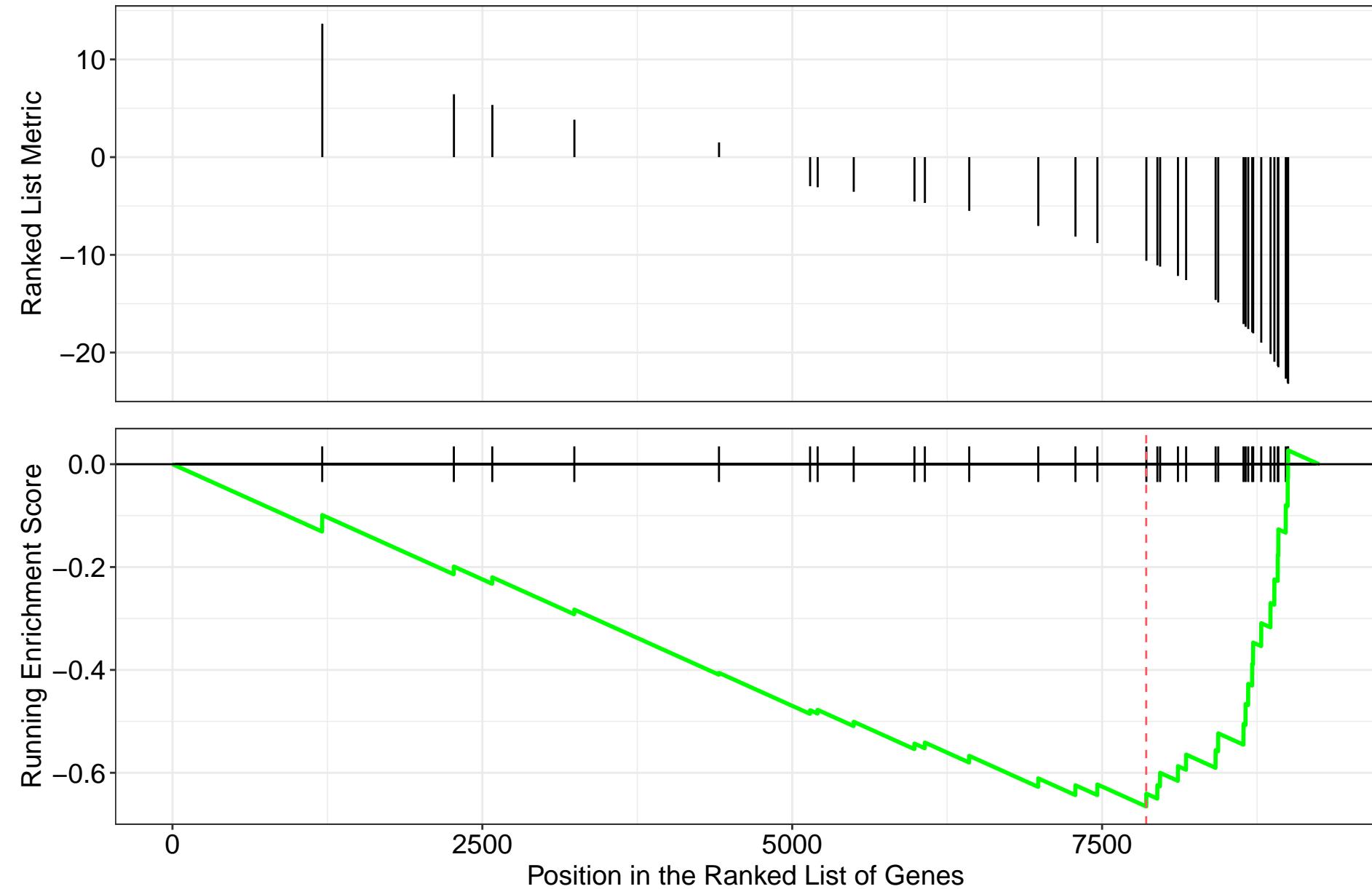
meiotic cell cycle process



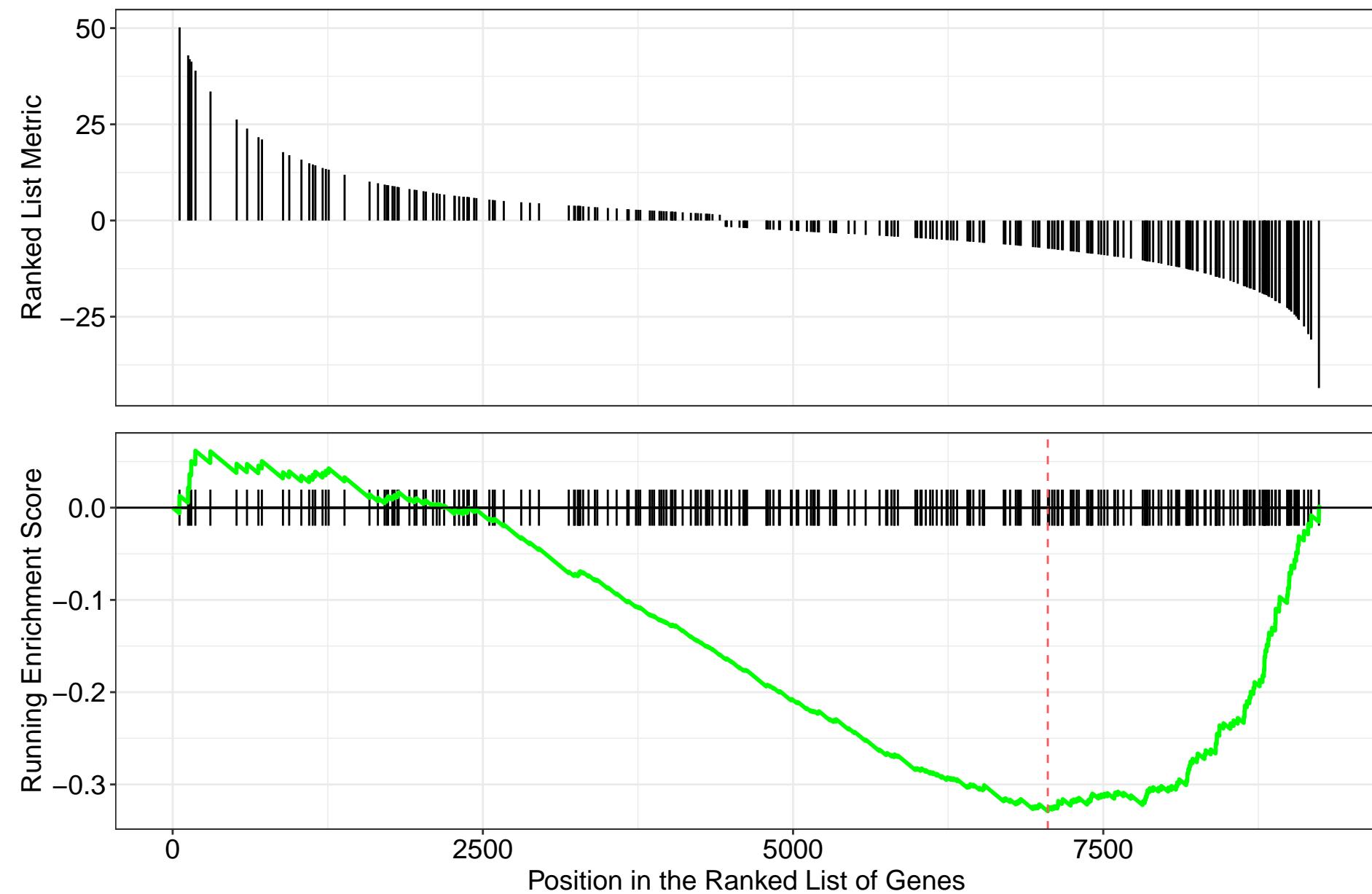
positive regulation of mononuclear cell proliferation



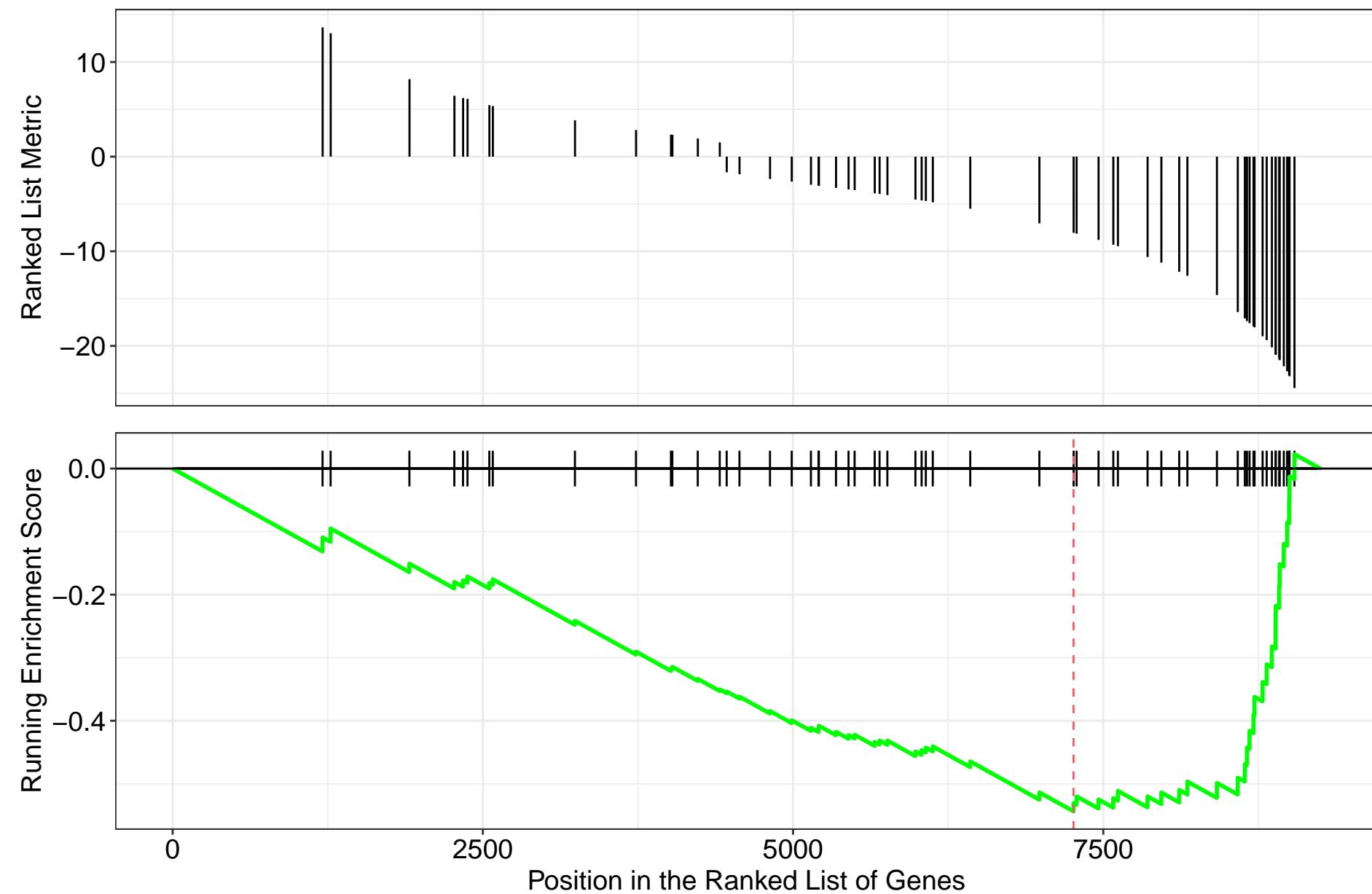
spindle checkpoint signaling



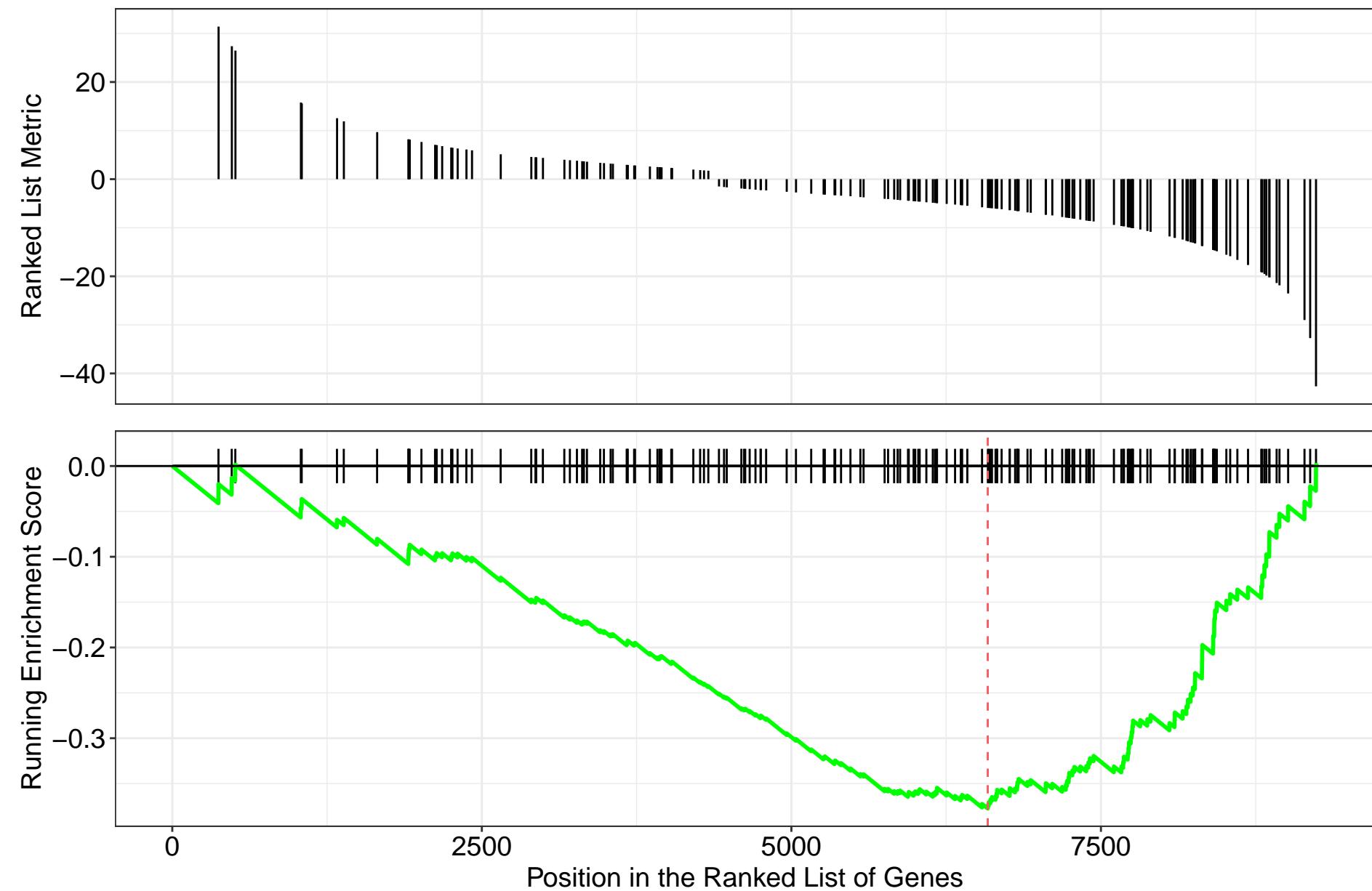
regulation of cell cycle phase transition



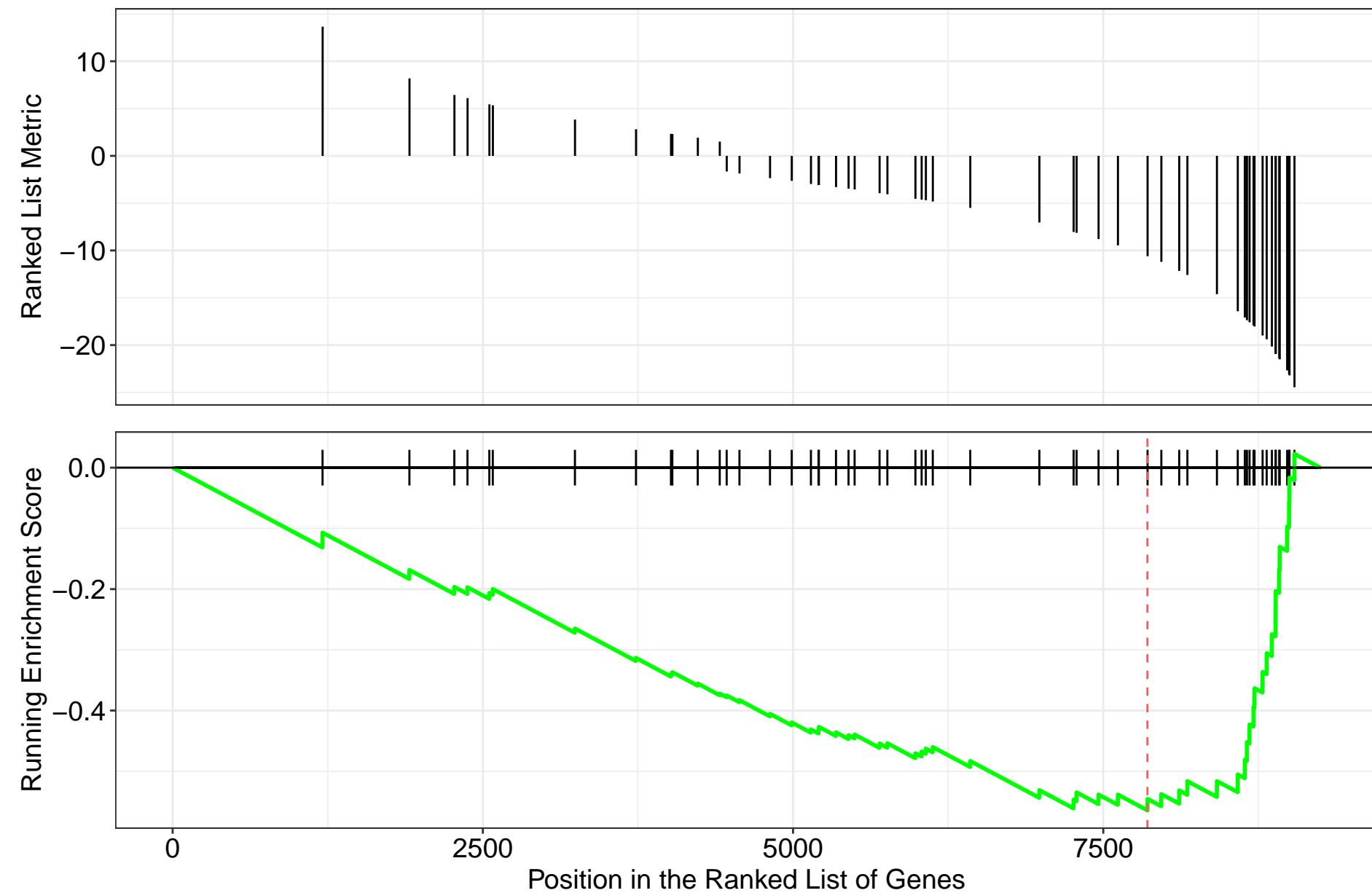
regulation of sister chromatid segregation



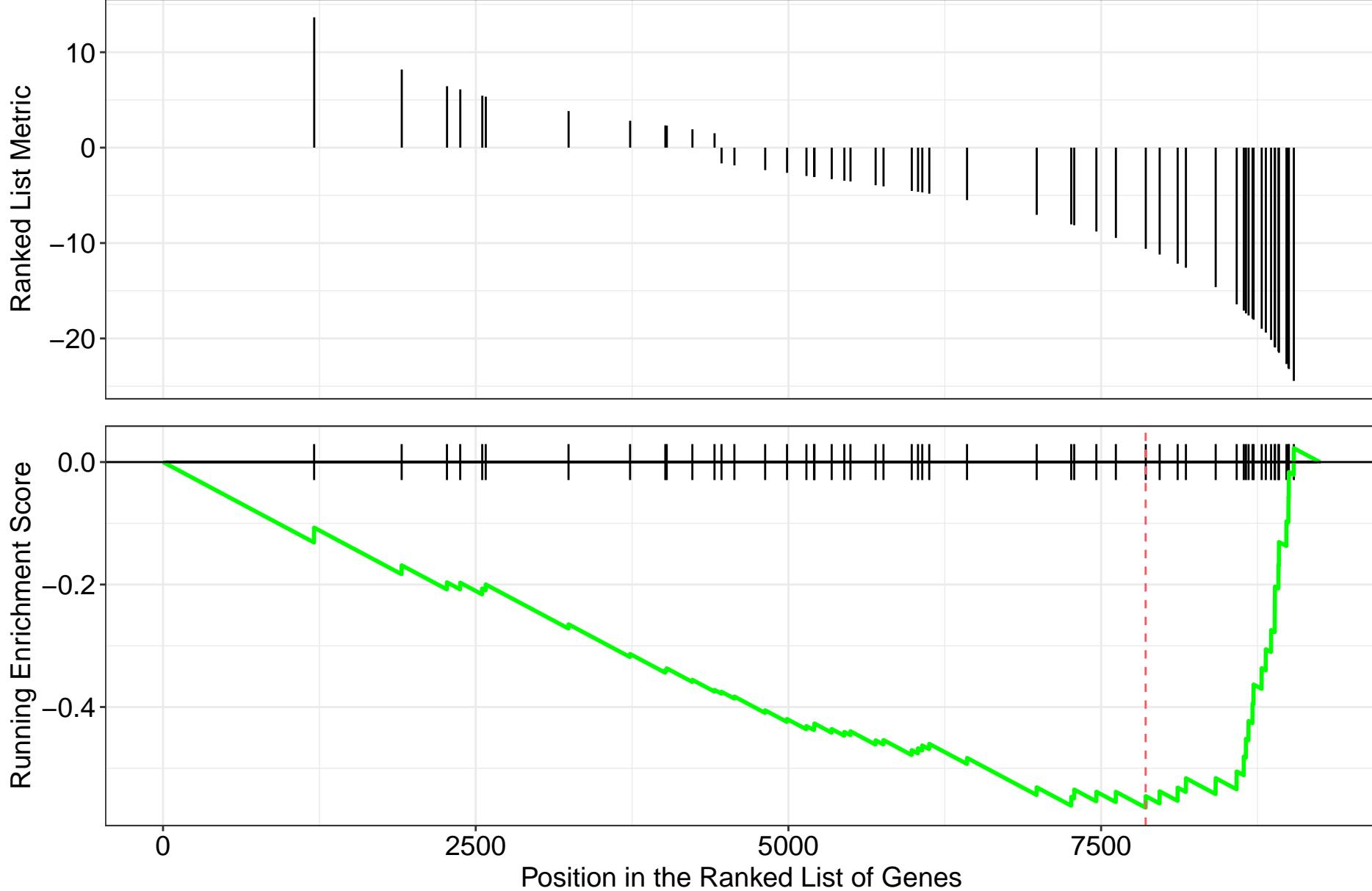
DNA recombination



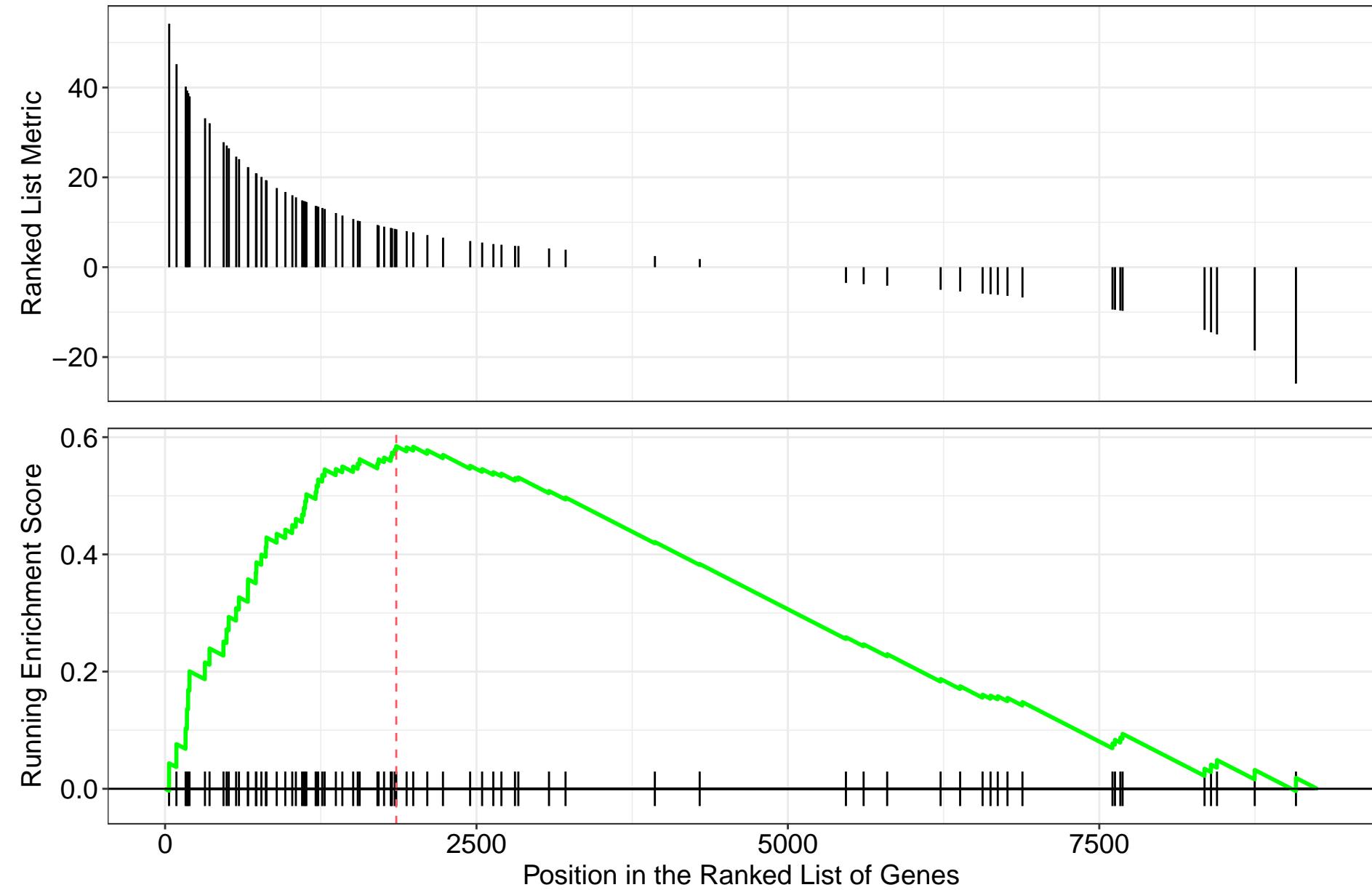
regulation of mitotic metaphase/anaphase transition



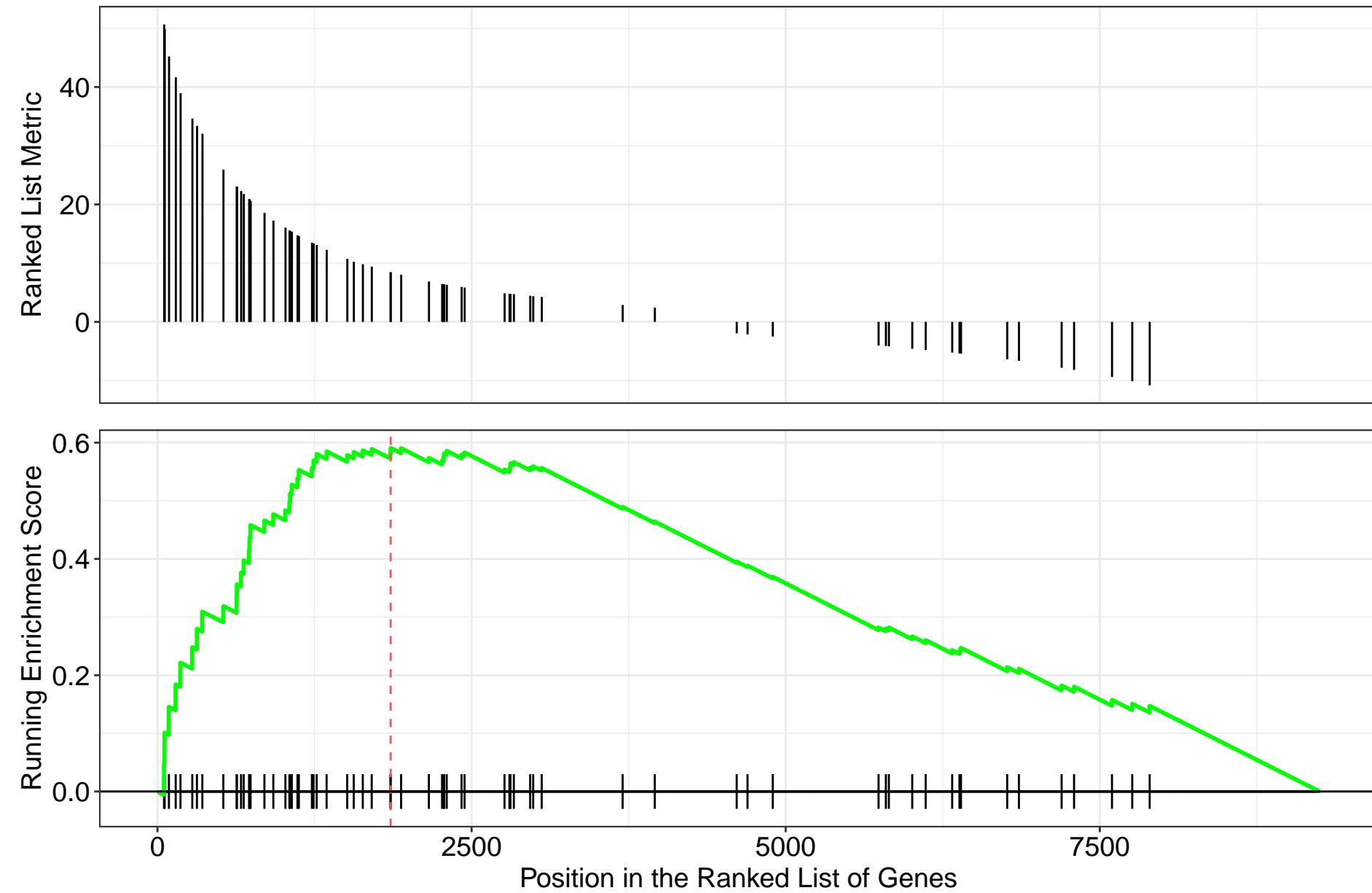
regulation of metaphase/anaphase transition of cell cycle



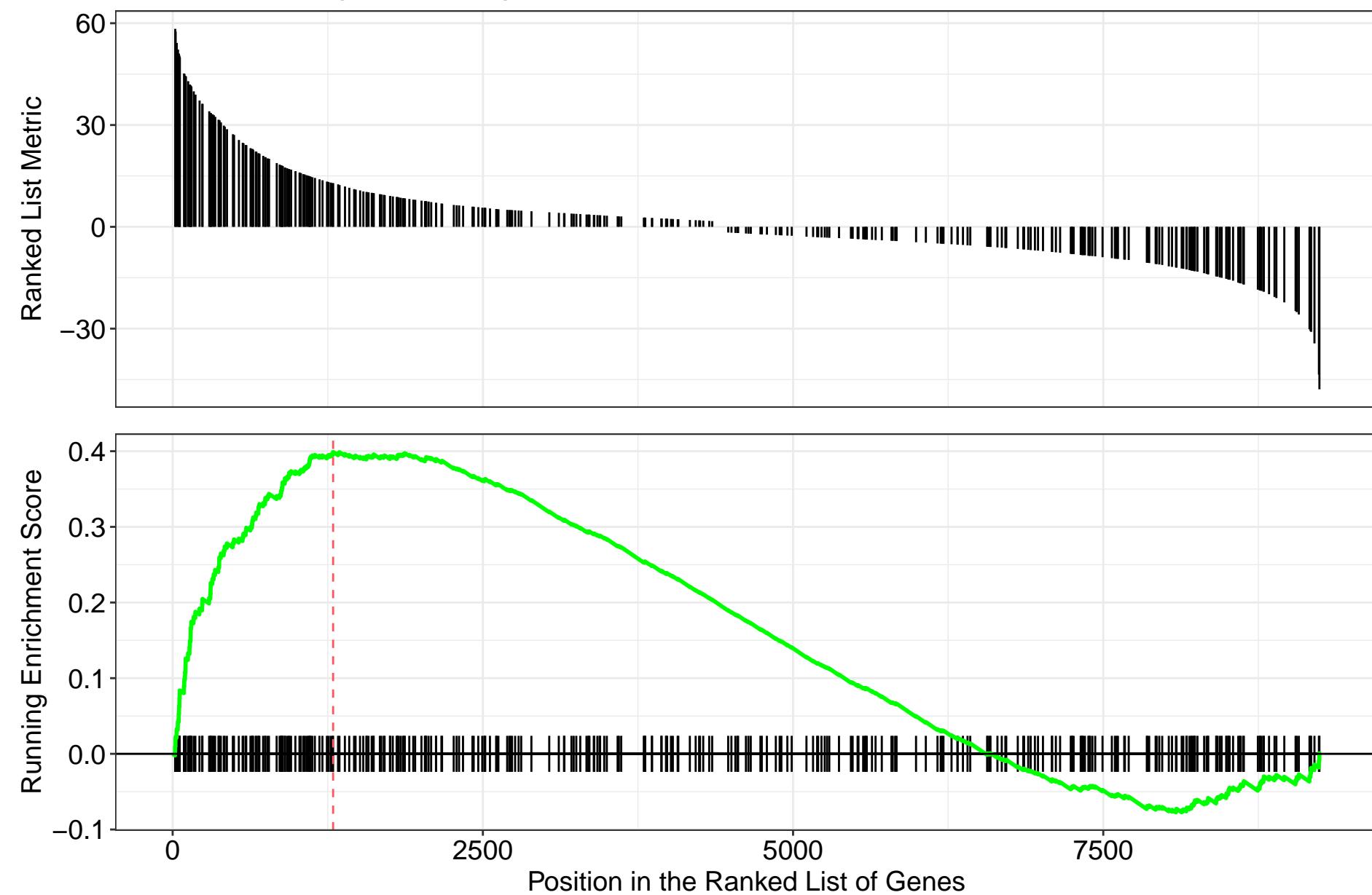
interleukin–1 production



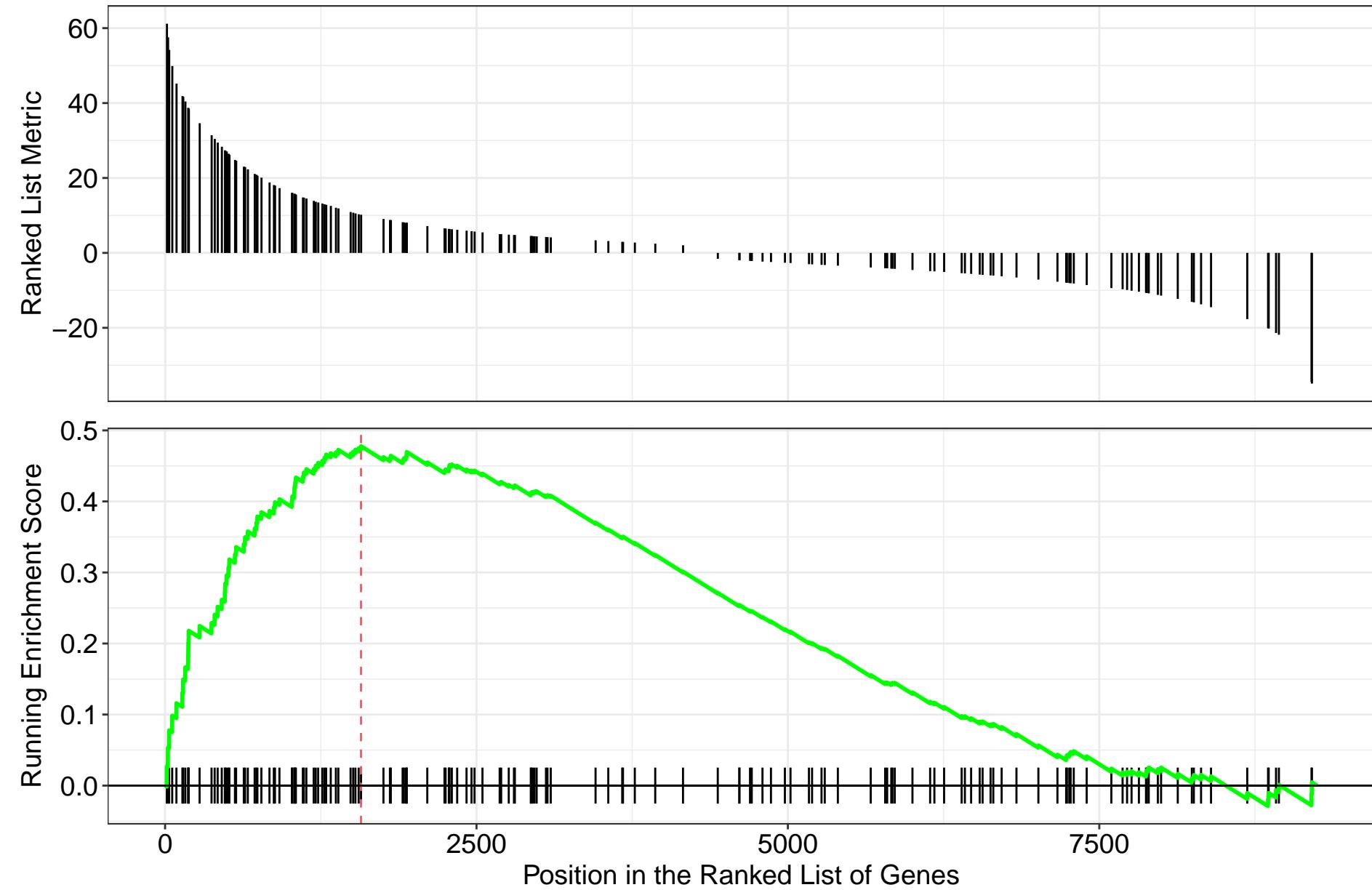
positive regulation of tumor necrosis factor production



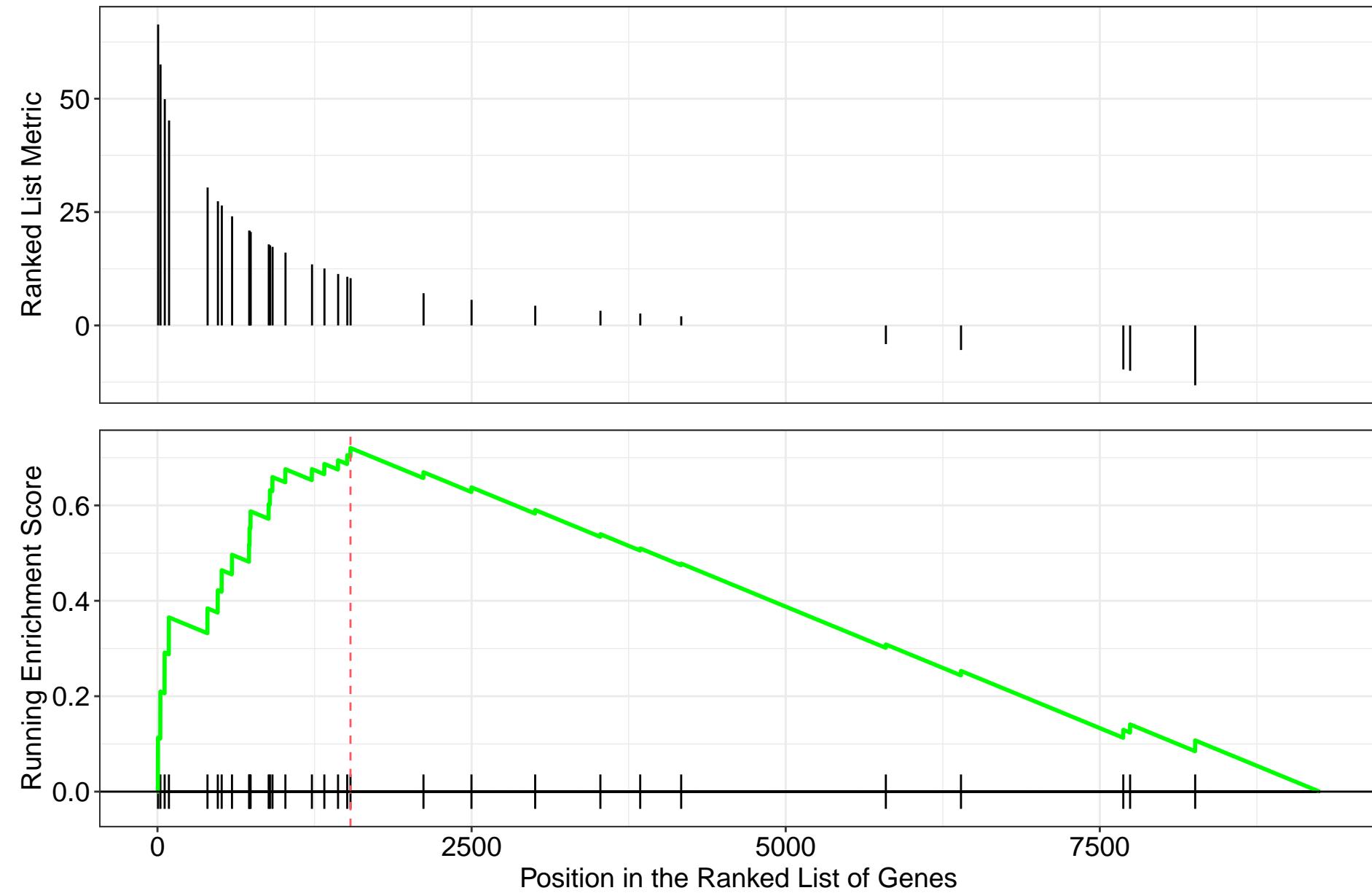
negative regulation of cell population proliferation



production of molecular mediator of immune response

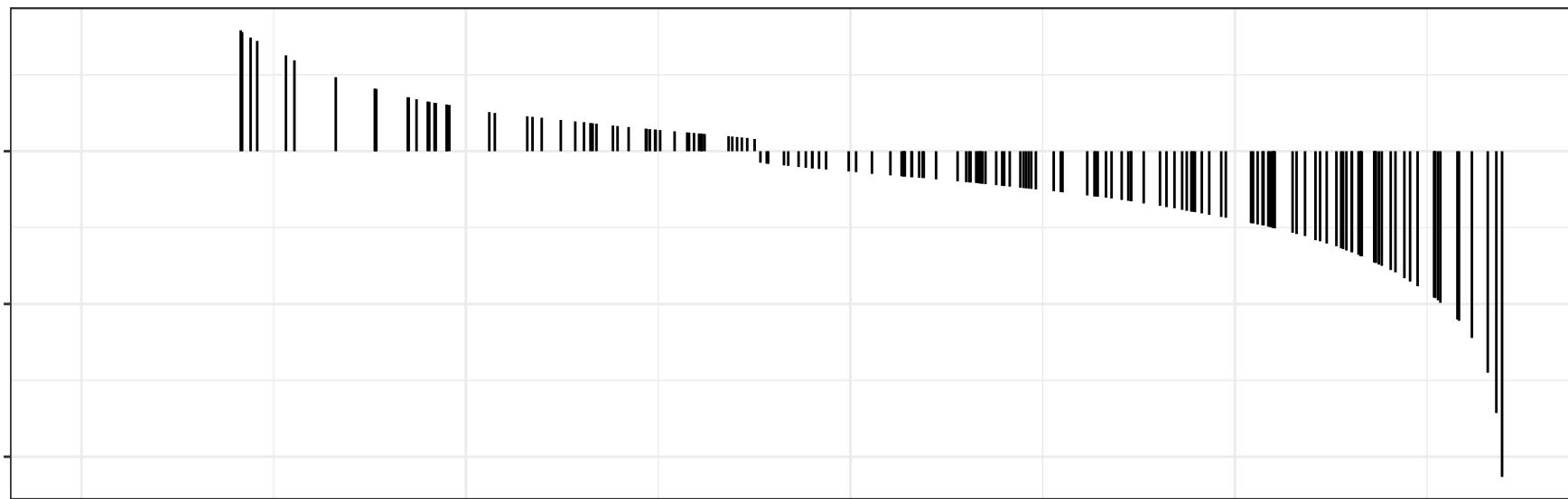


interleukin–17 production

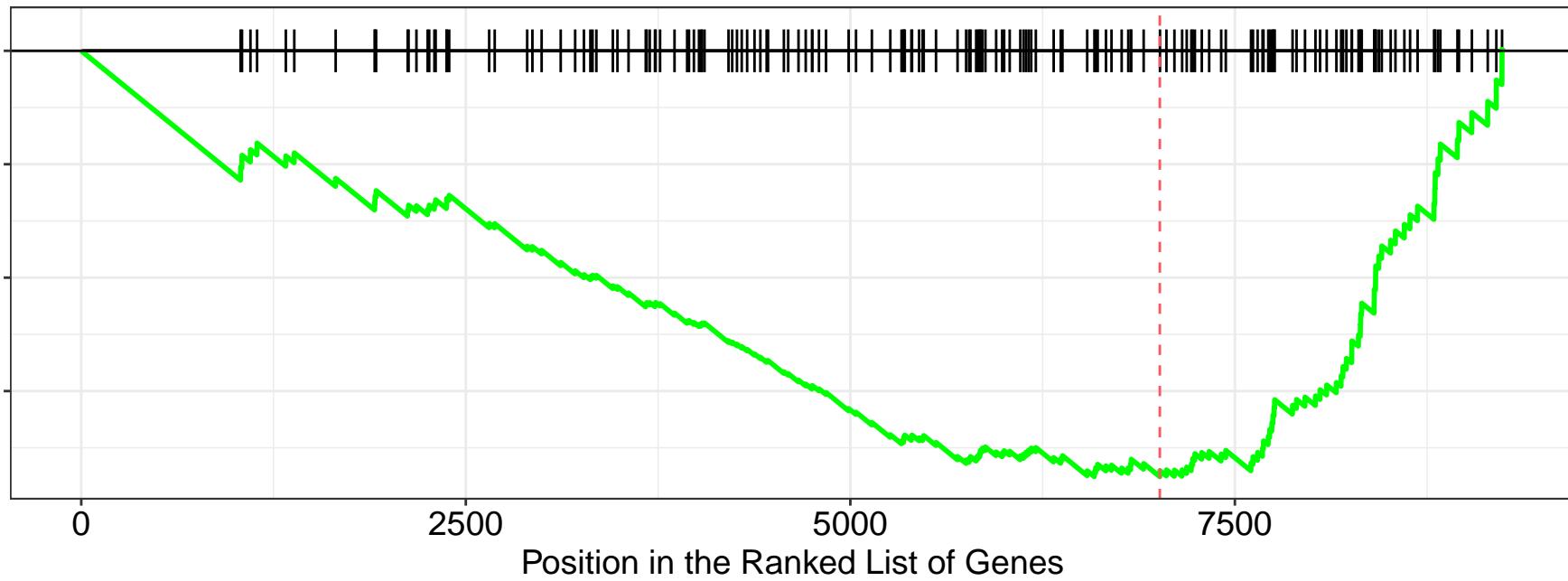


double-strand break repair

Ranked List Metric

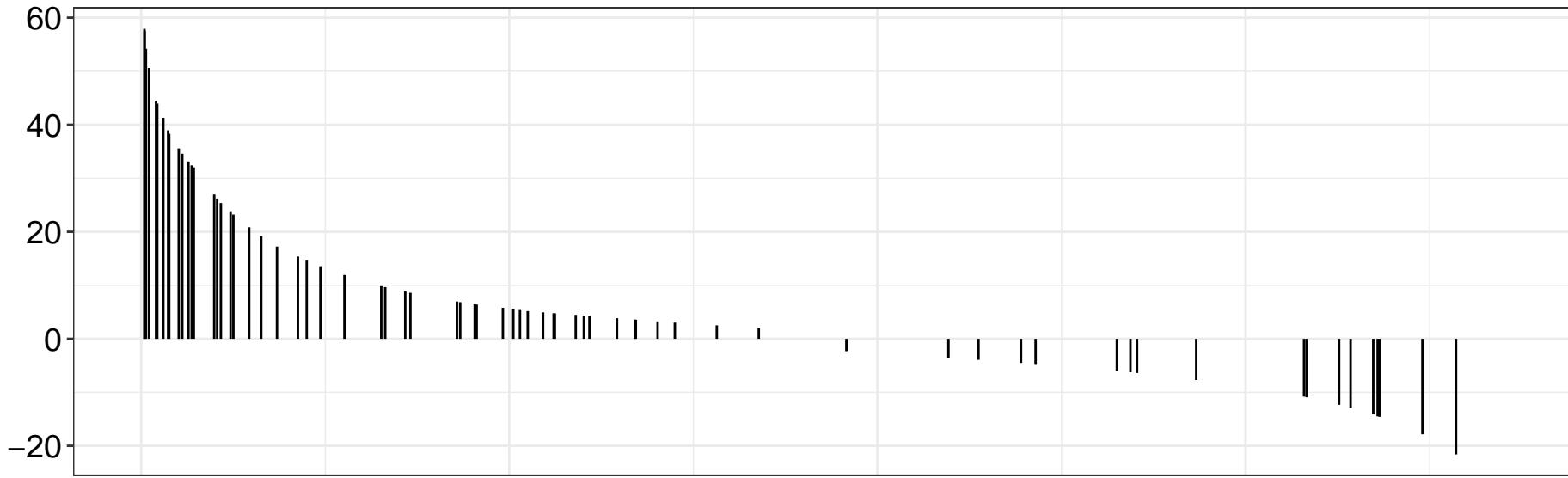


Running Enrichment Score



regulation of leukocyte chemotaxis

Ranked List Metric



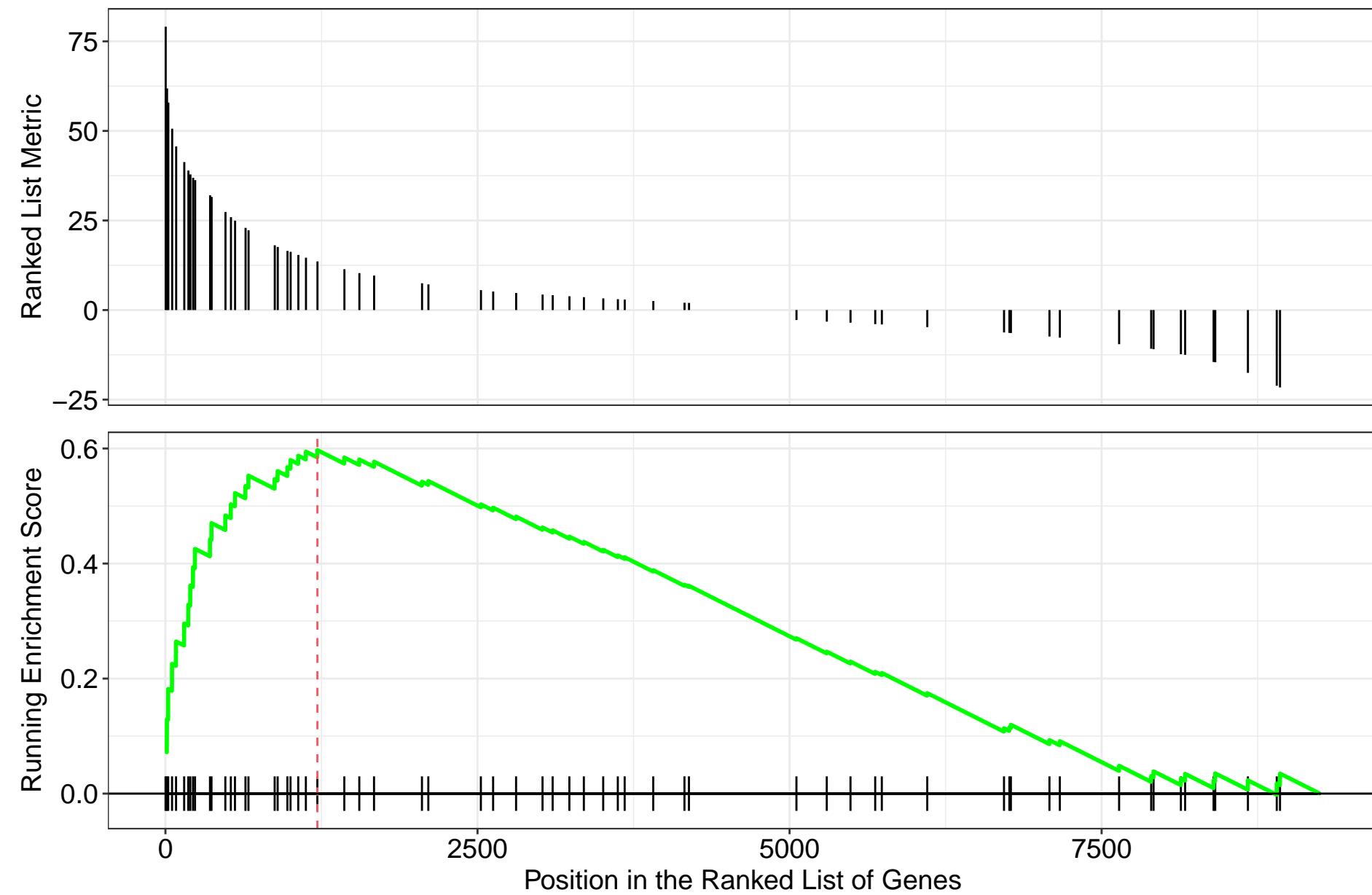
Running Enrichment Score

0 2500 5000 7500

Position in the Ranked List of Genes

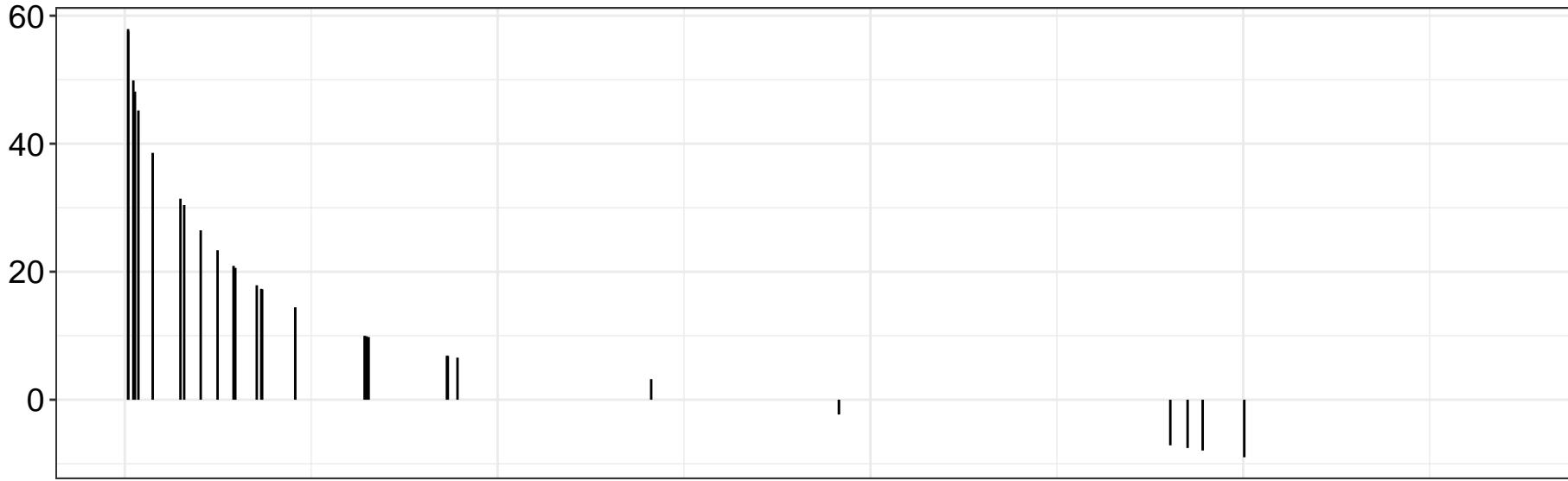


lymphocyte migration



positive regulation of tyrosine phosphorylation of STAT protein

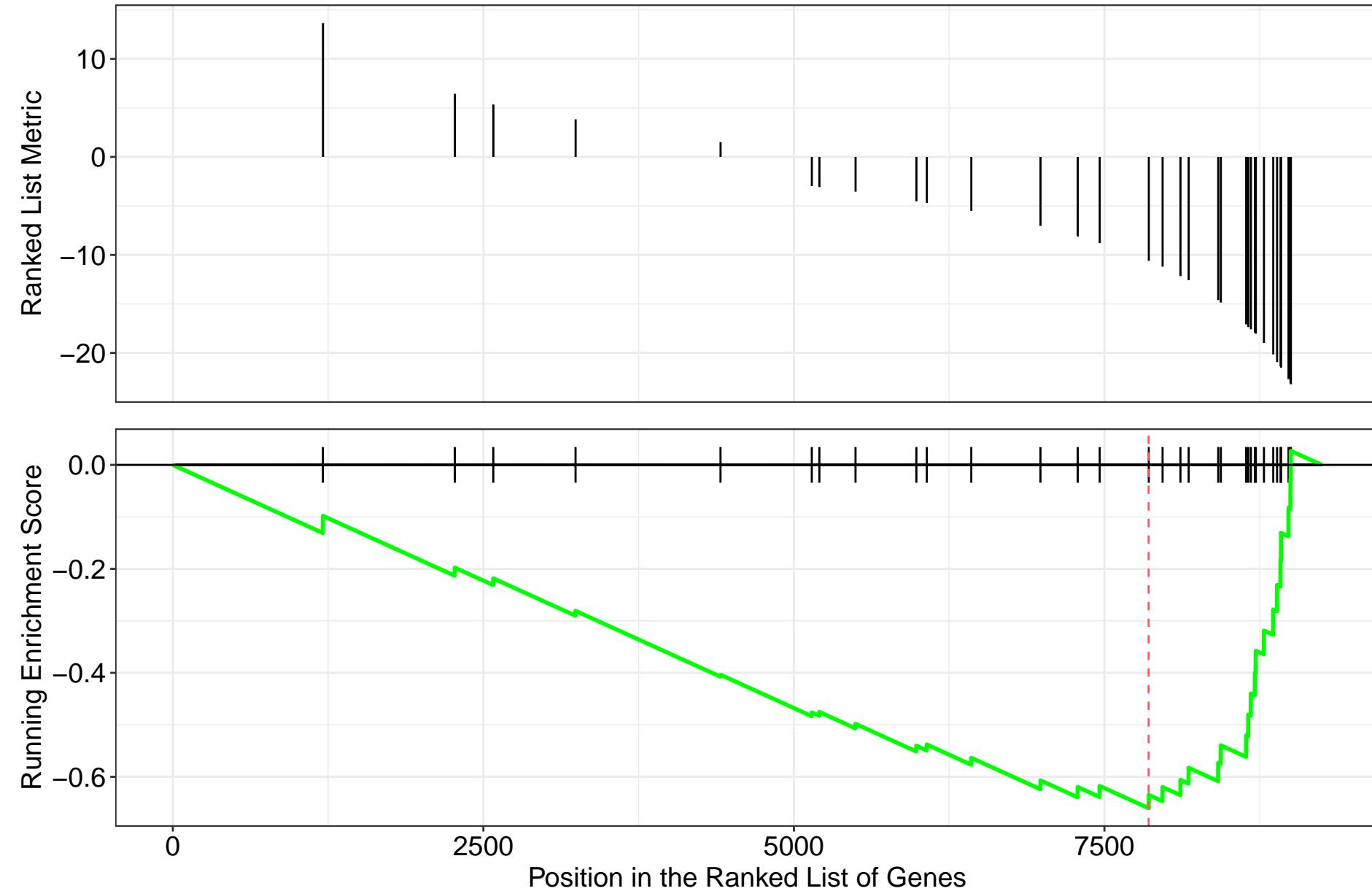
Ranked List Metric



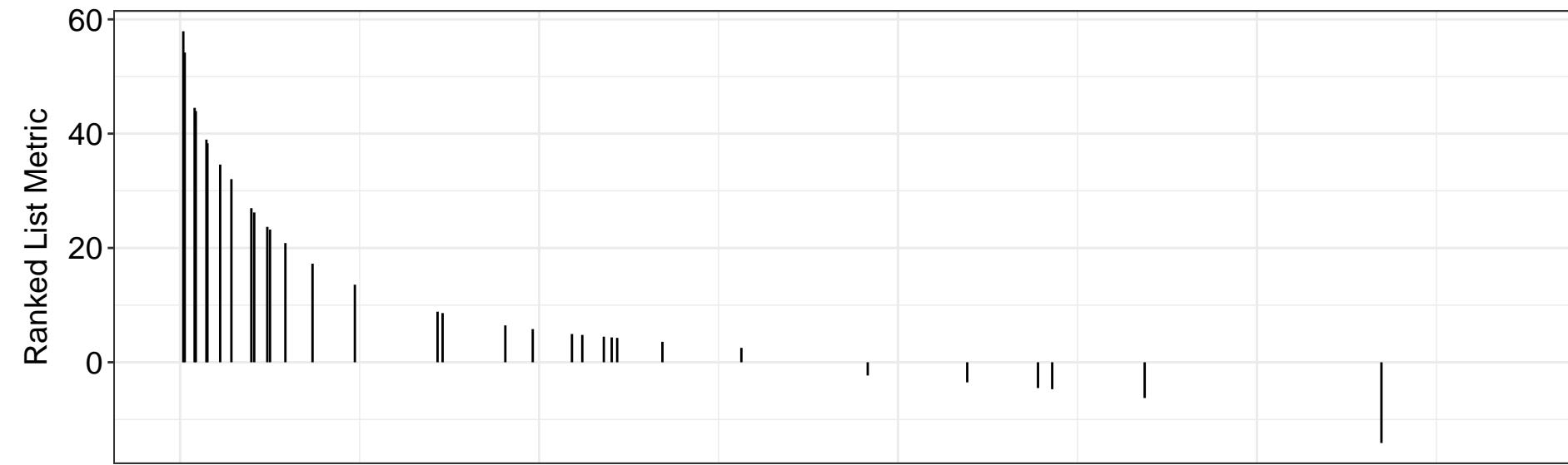
Running Enrichment Score



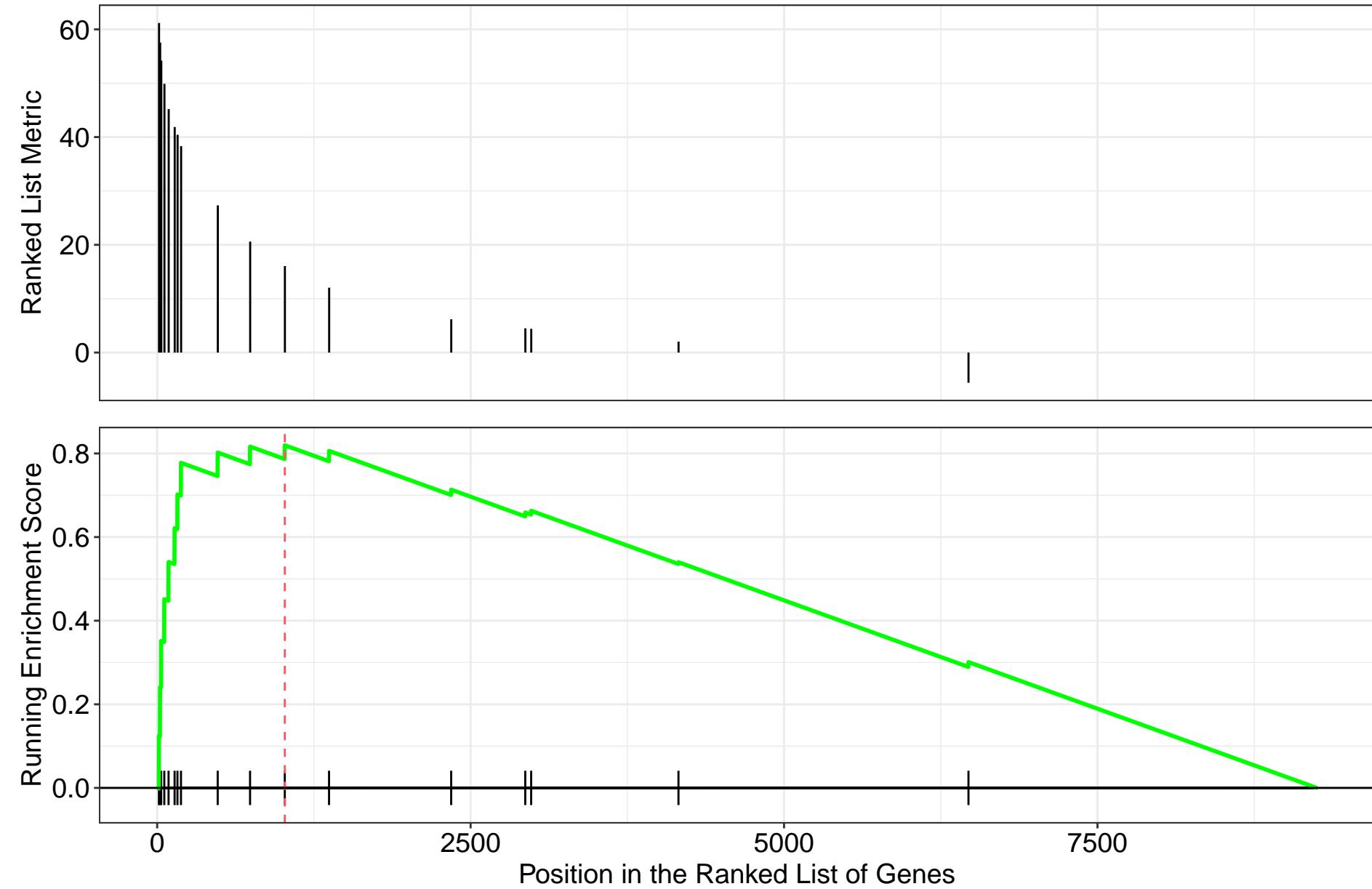
mitotic spindle checkpoint signaling



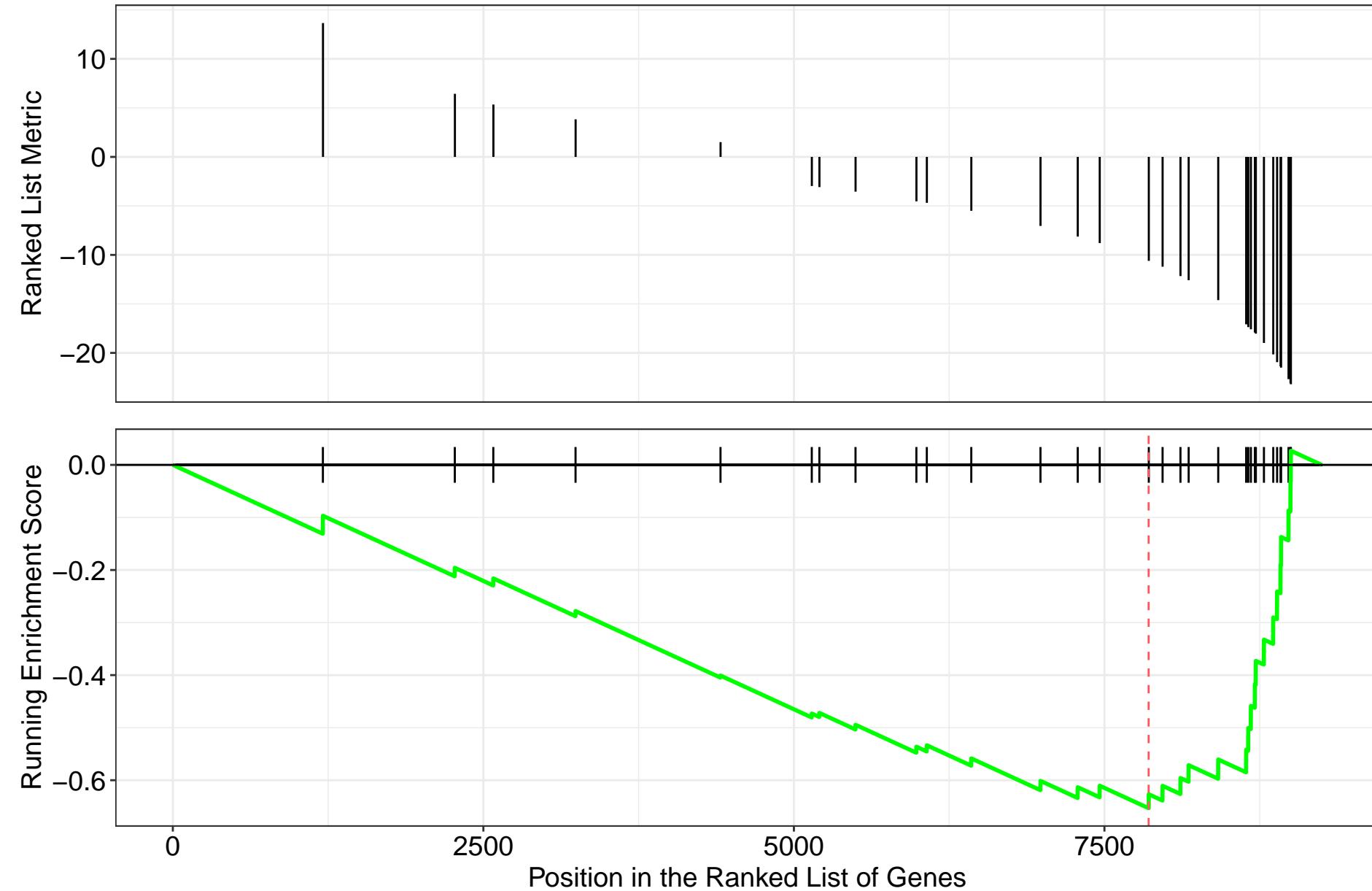
regulation of granulocyte chemotaxis



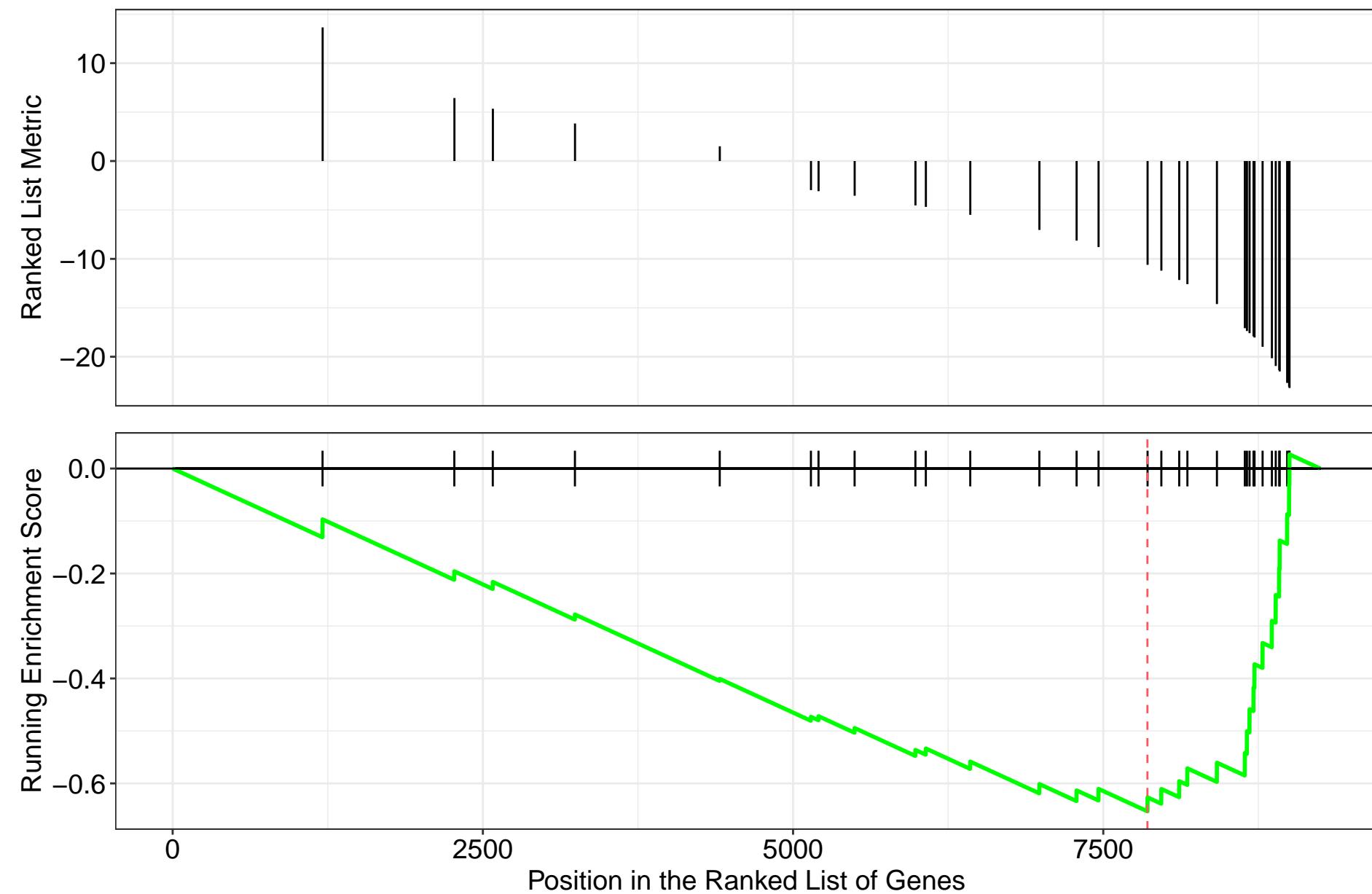
CD4-positive, alpha–beta T cell cytokine production



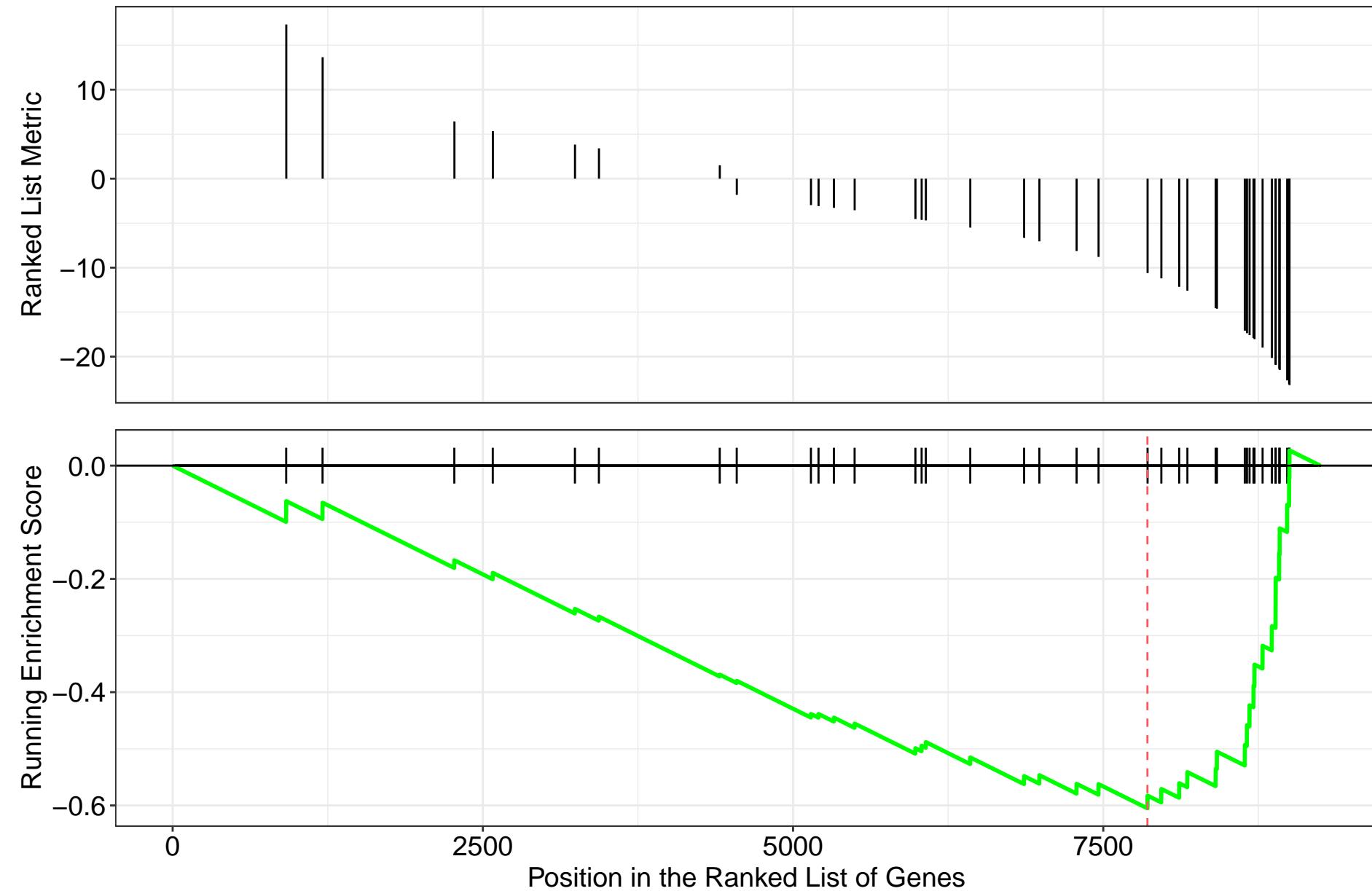
mitotic spindle assembly checkpoint signaling



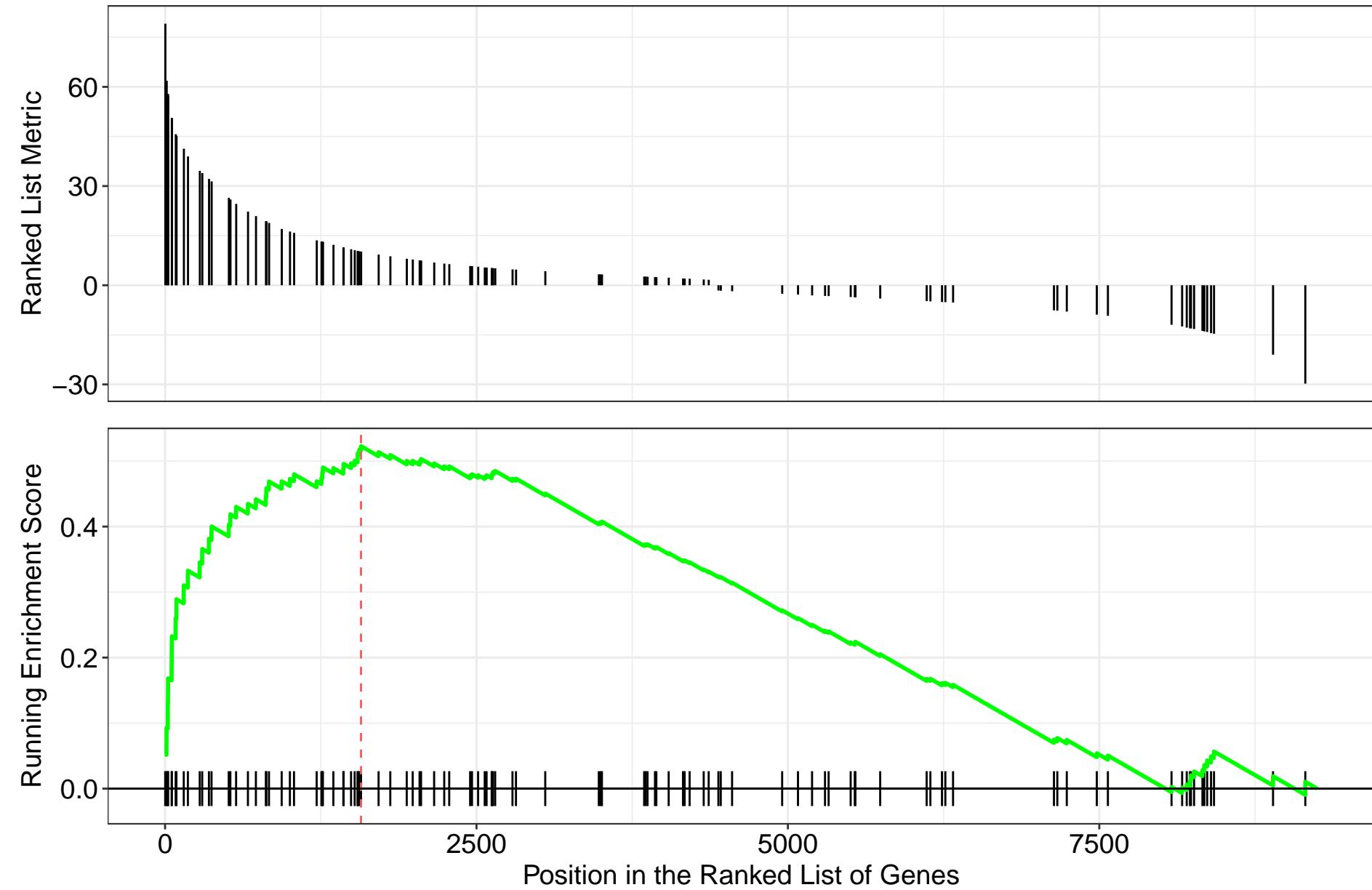
spindle assembly checkpoint signaling



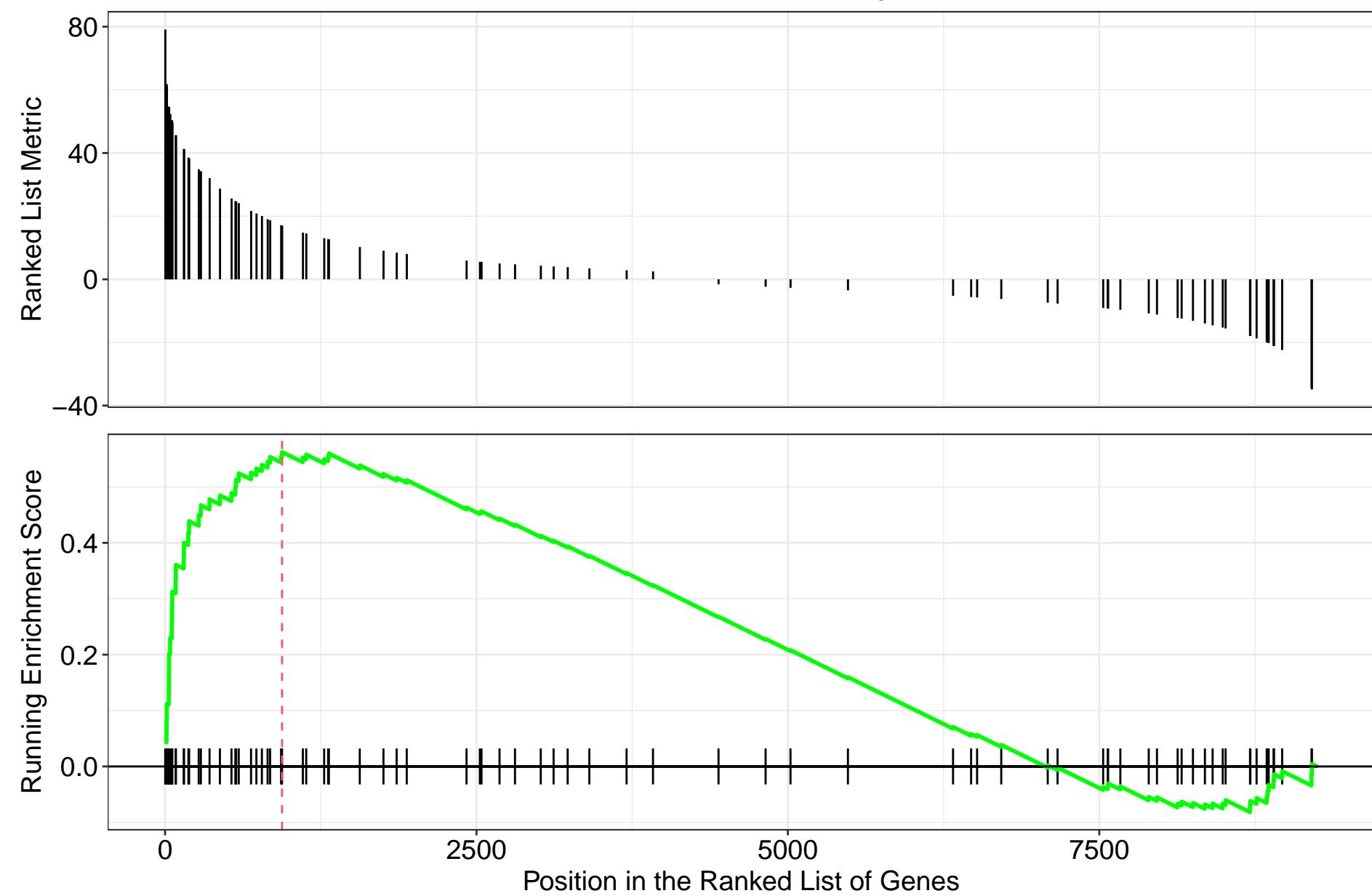
negative regulation of nuclear division



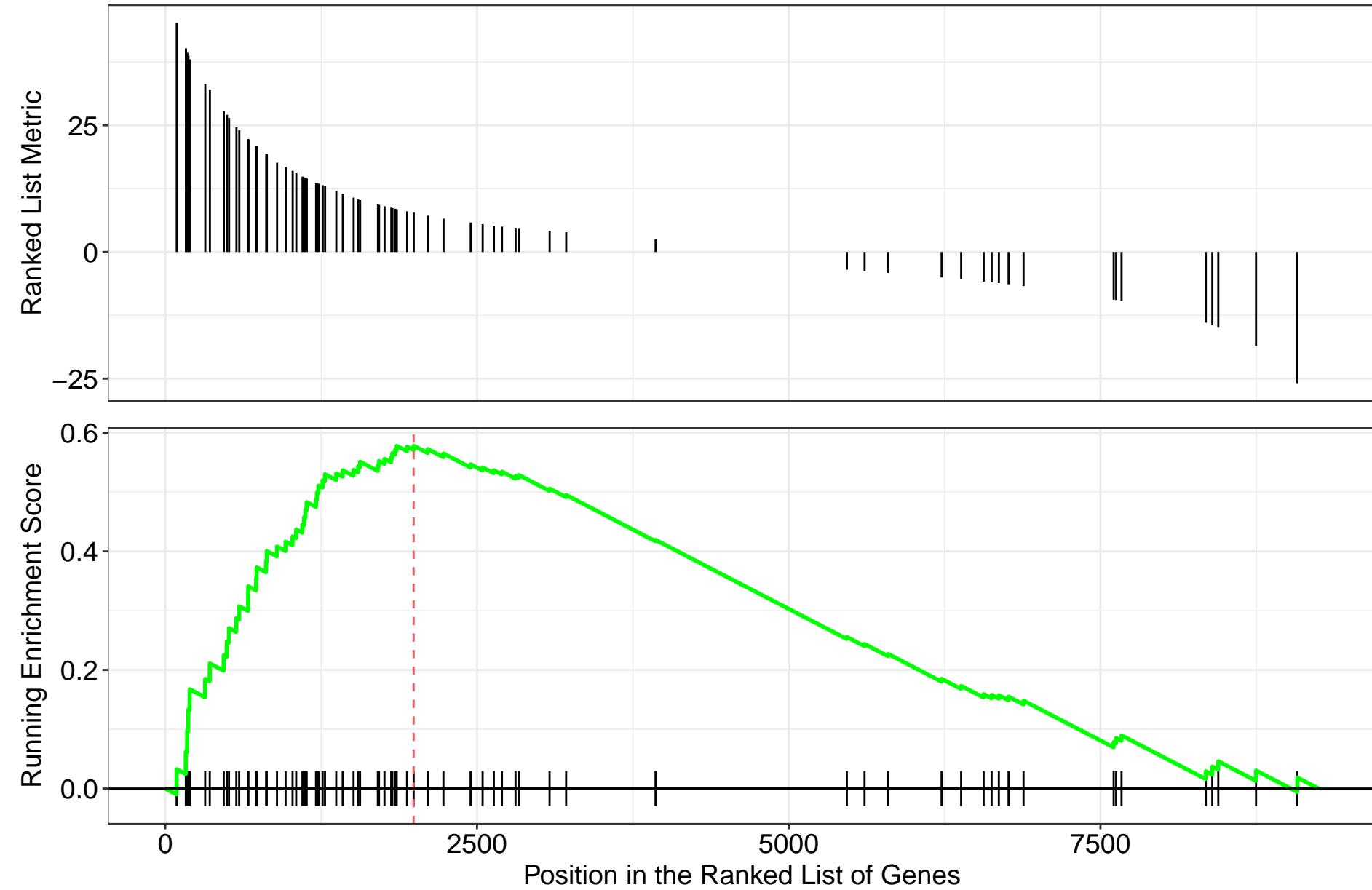
response to tumor necrosis factor



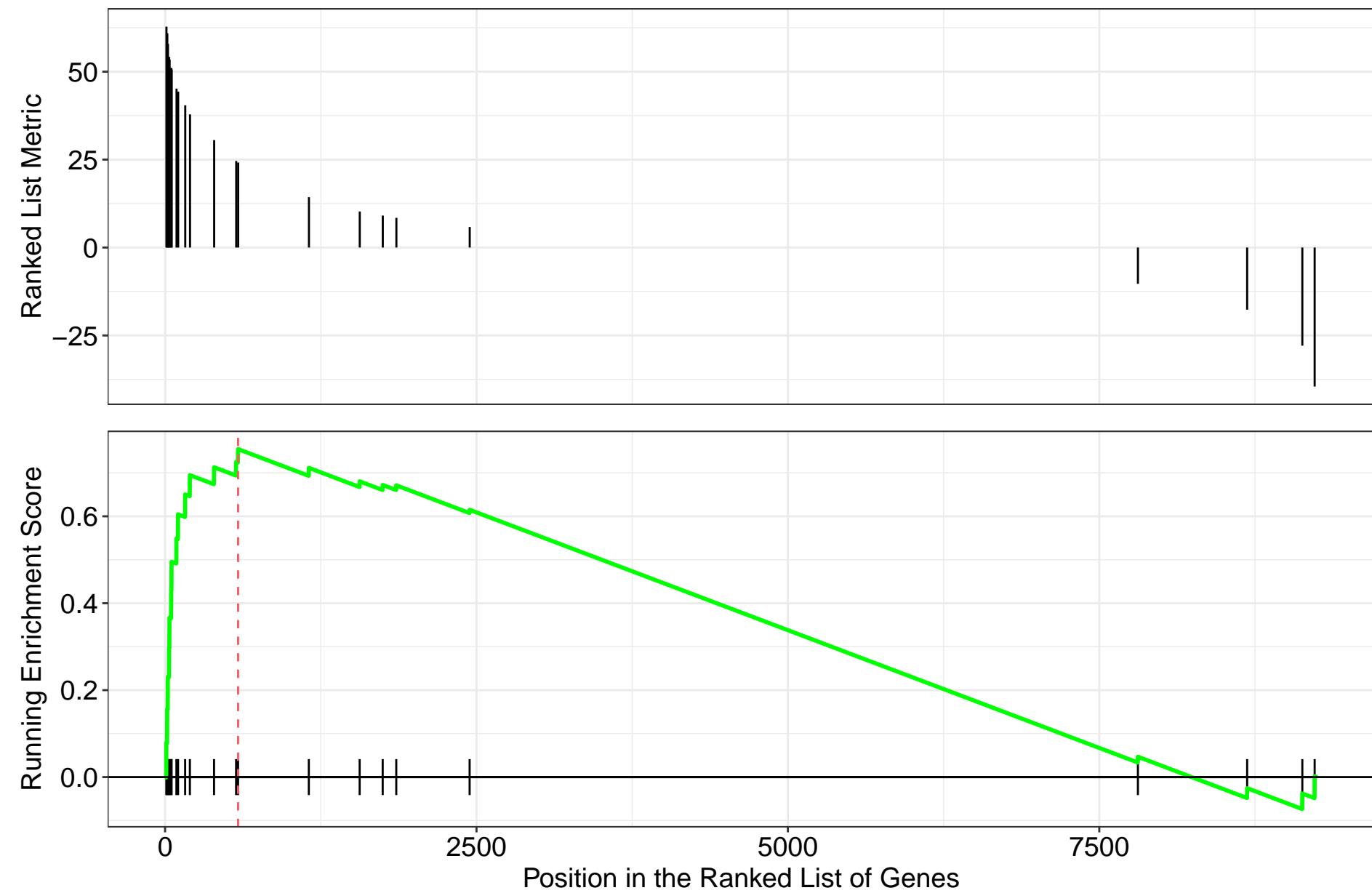
humoral immune response



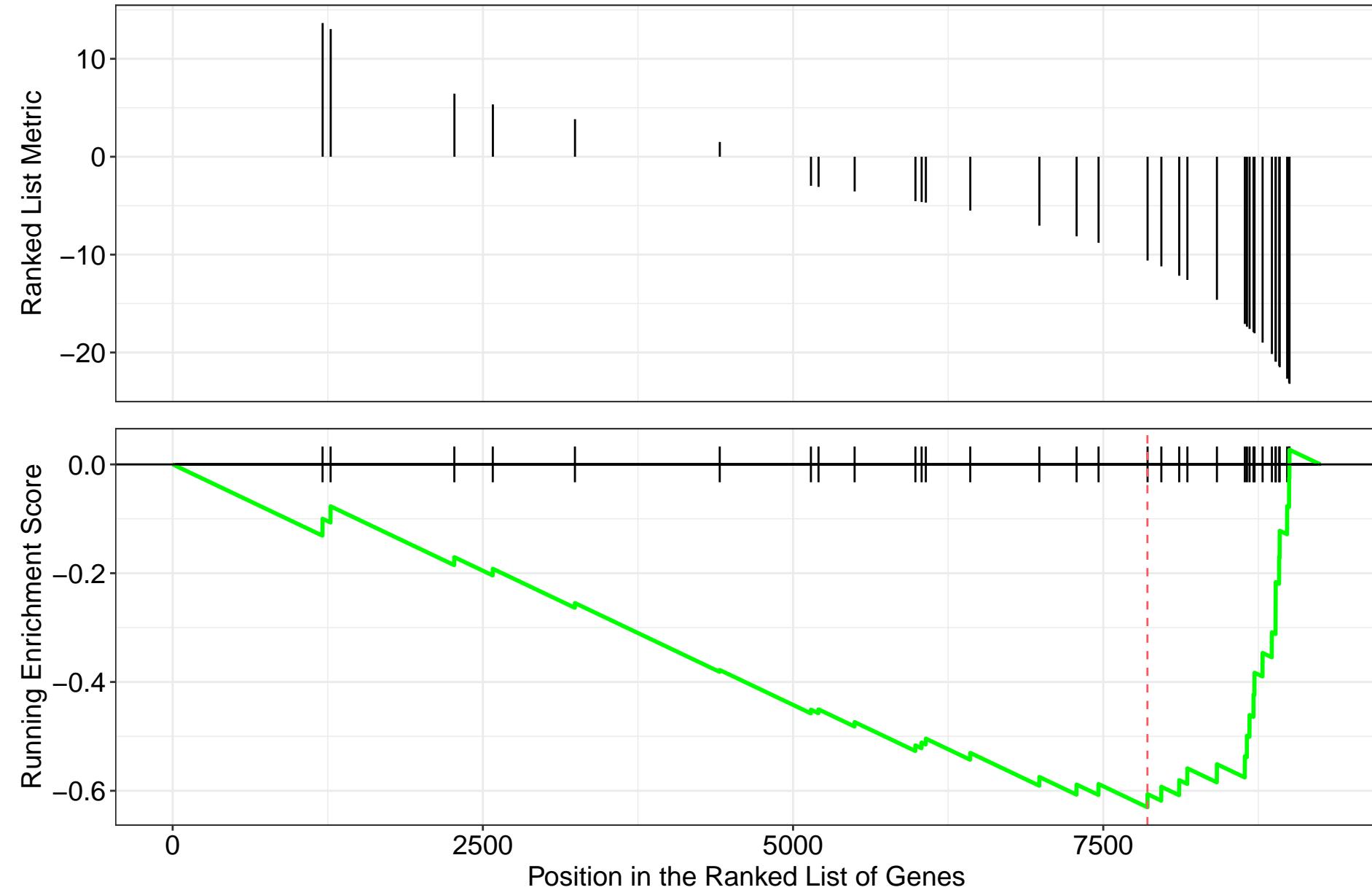
regulation of interleukin–1 production



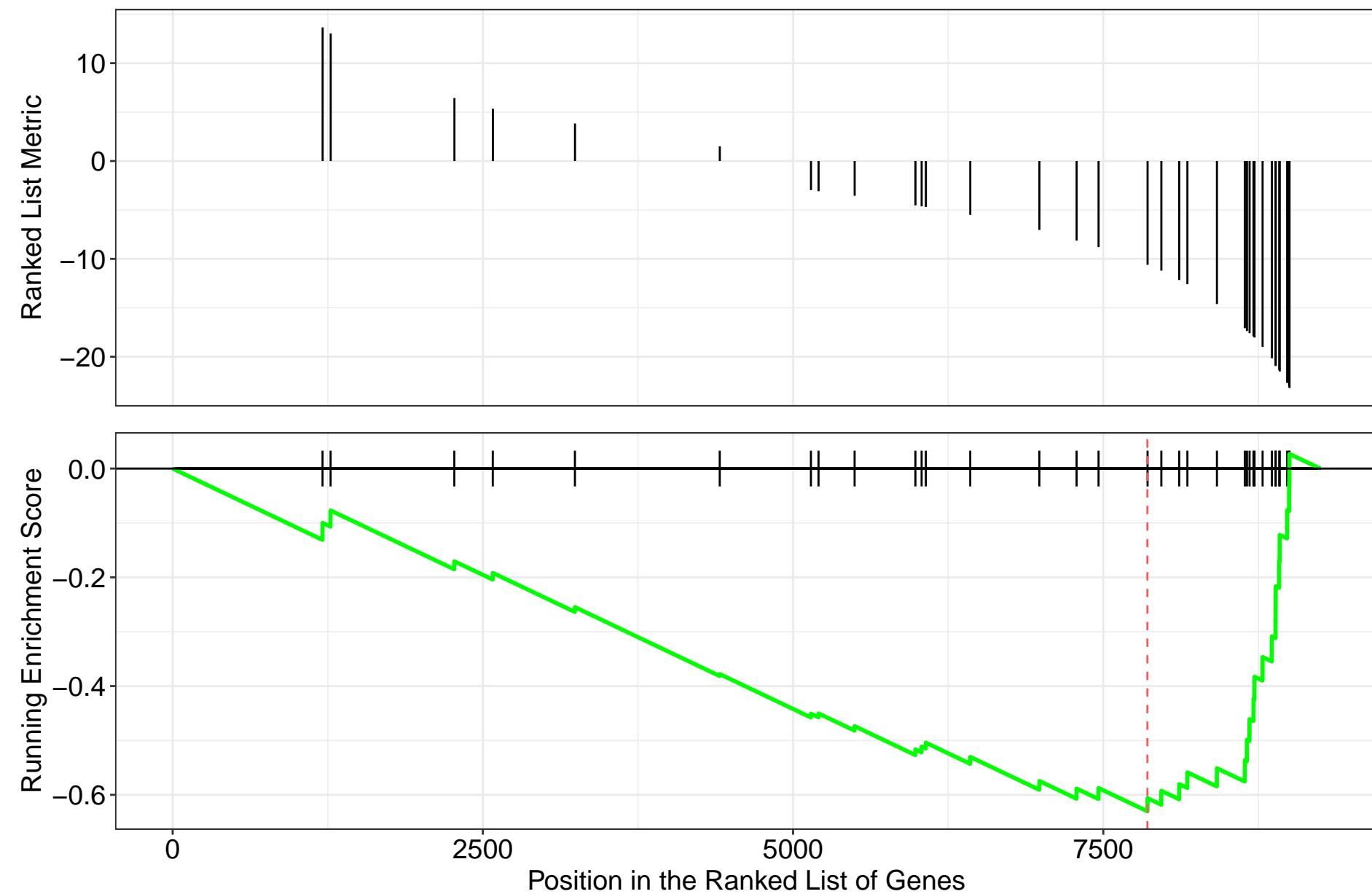
acute-phase response



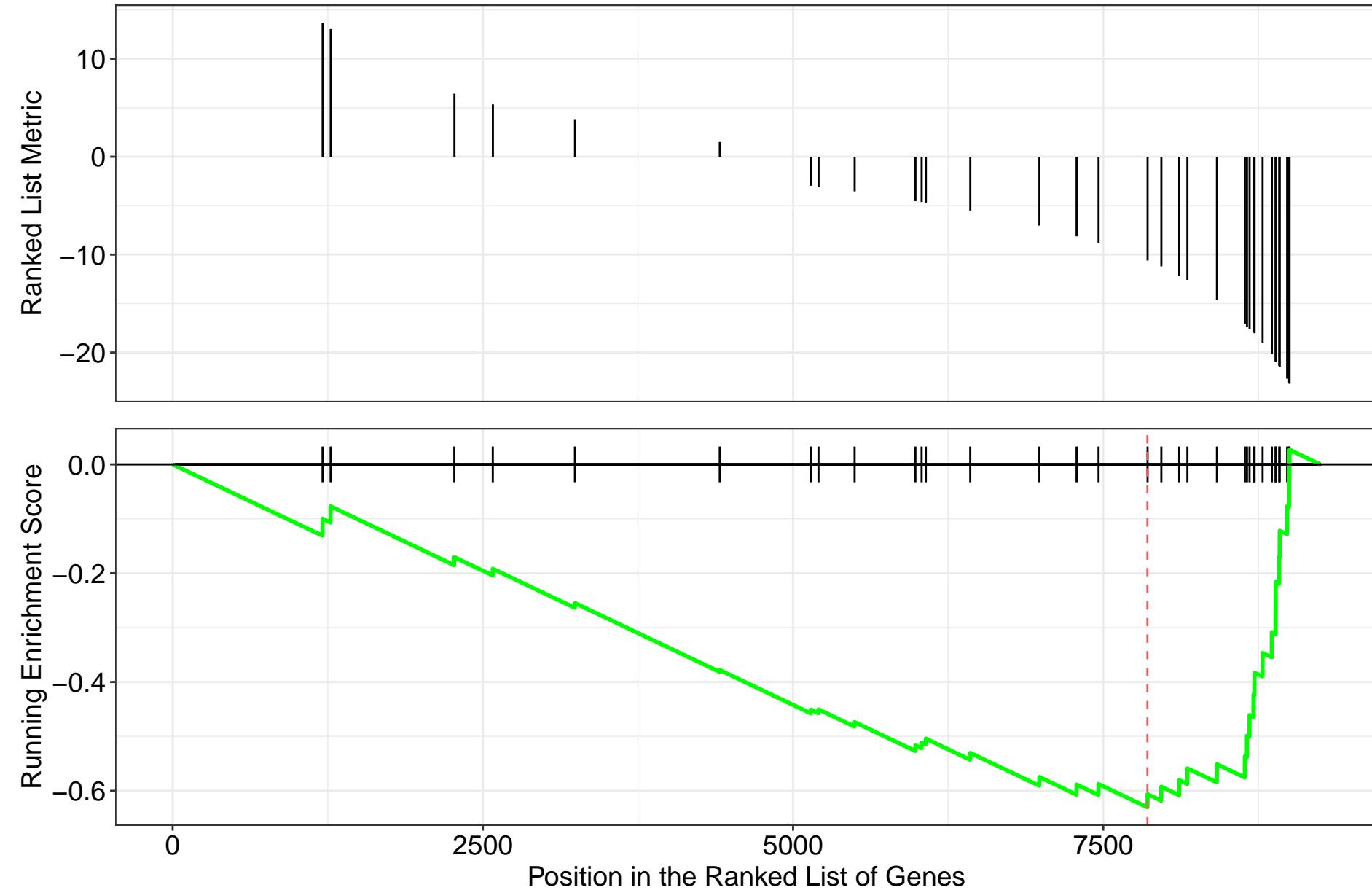
negative regulation of sister chromatid segregation



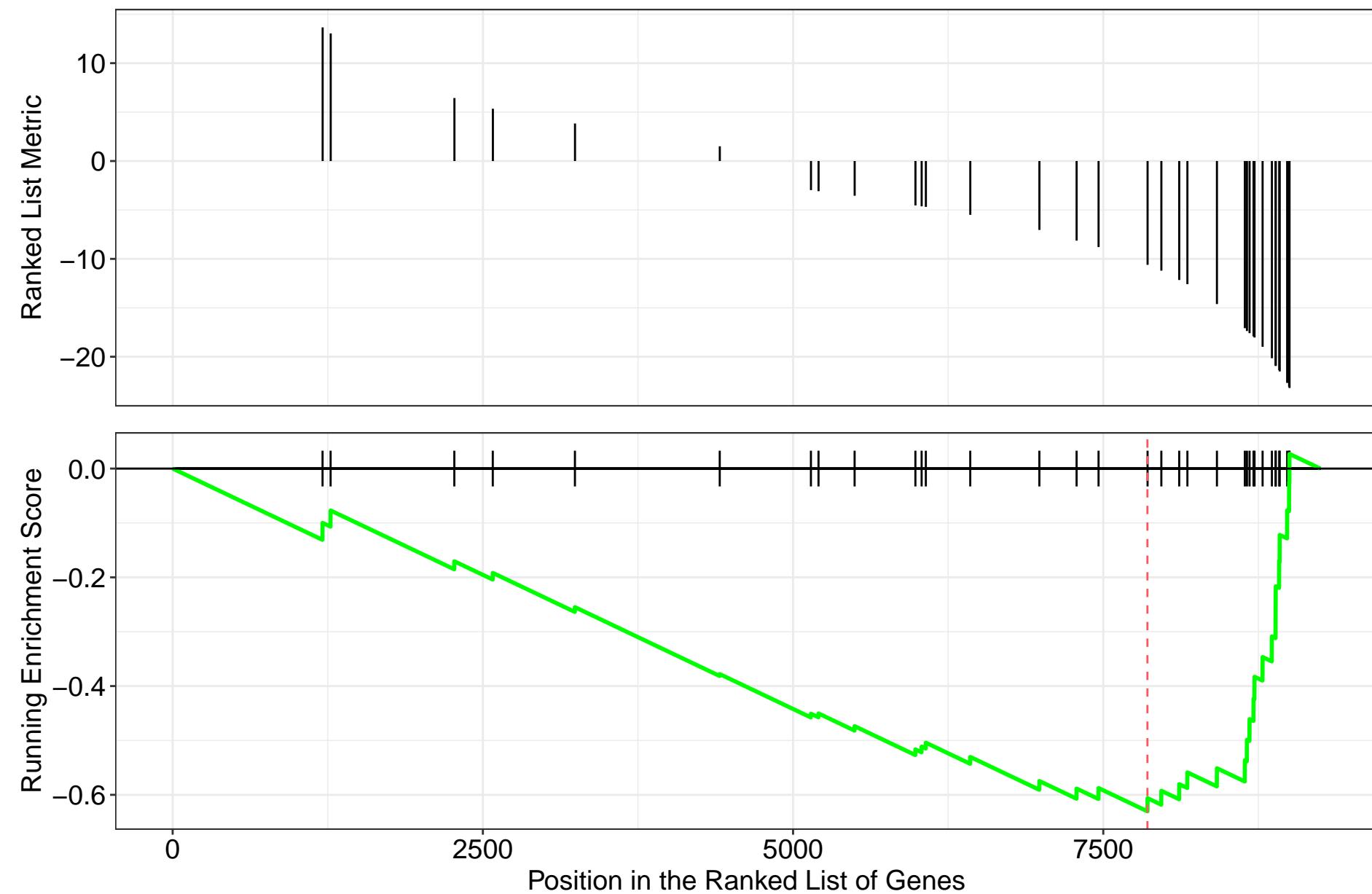
negative regulation of mitotic sister chromatid segregation



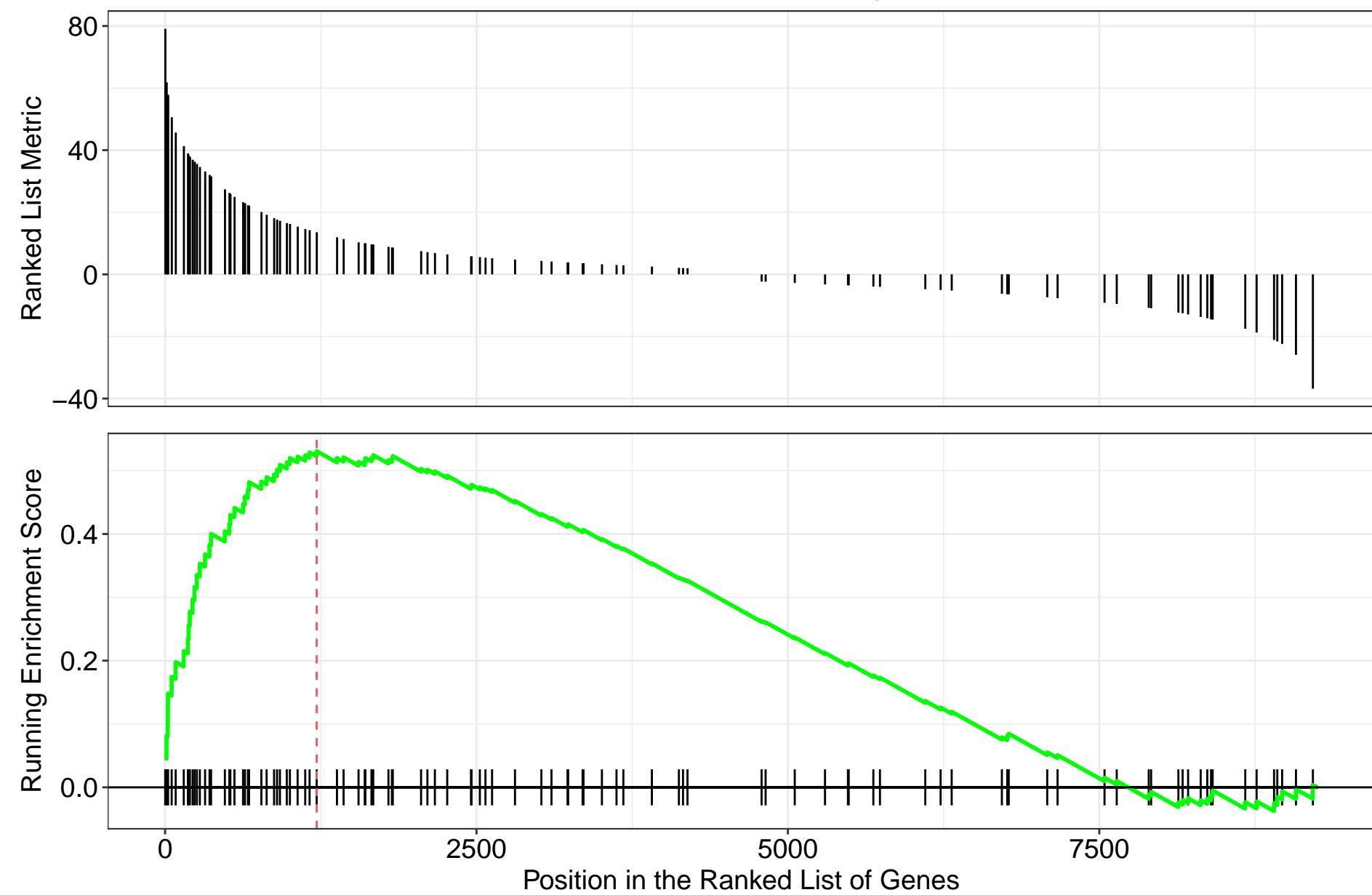
negative regulation of chromosome separation



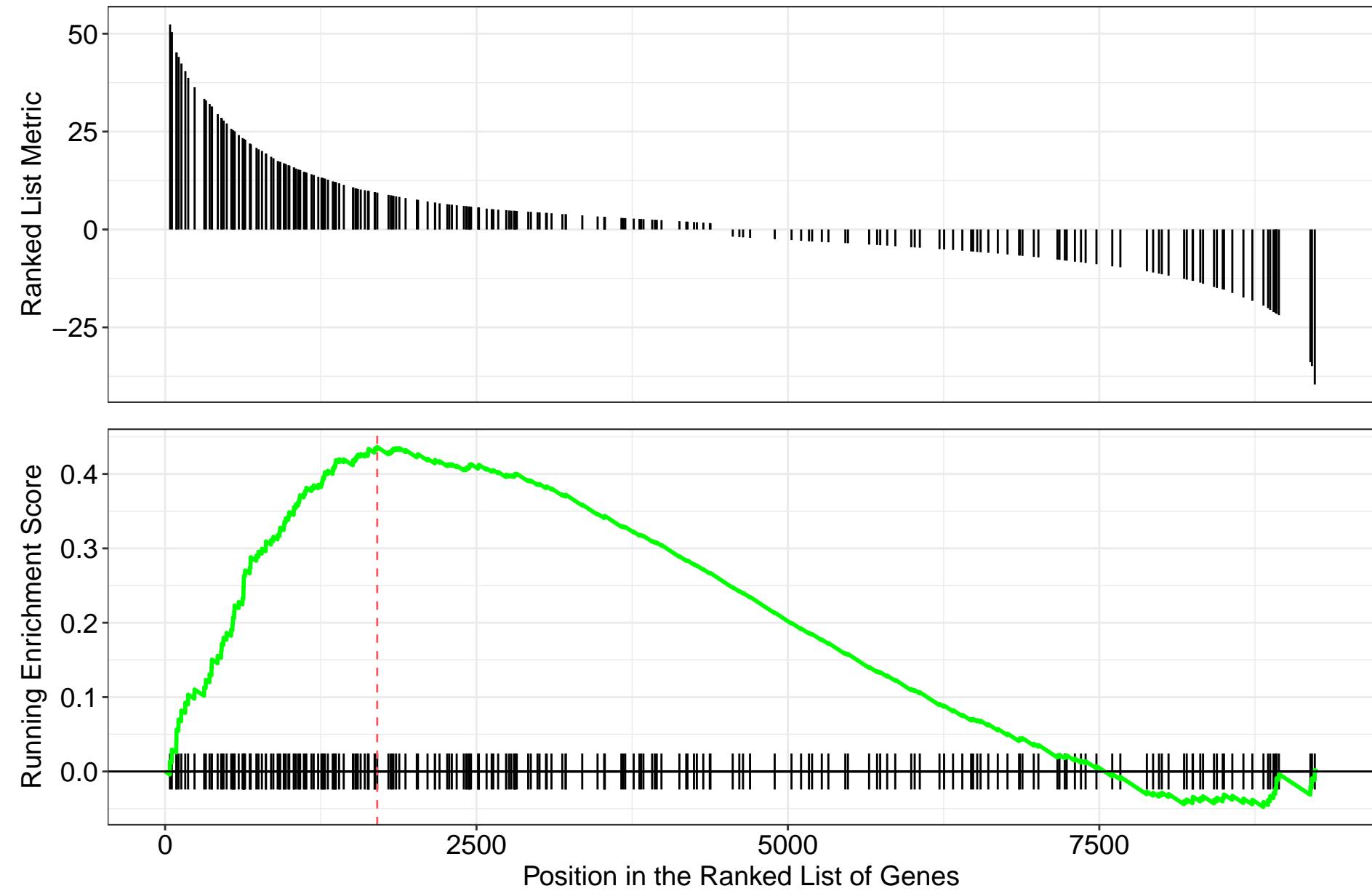
negative regulation of mitotic sister chromatid separation



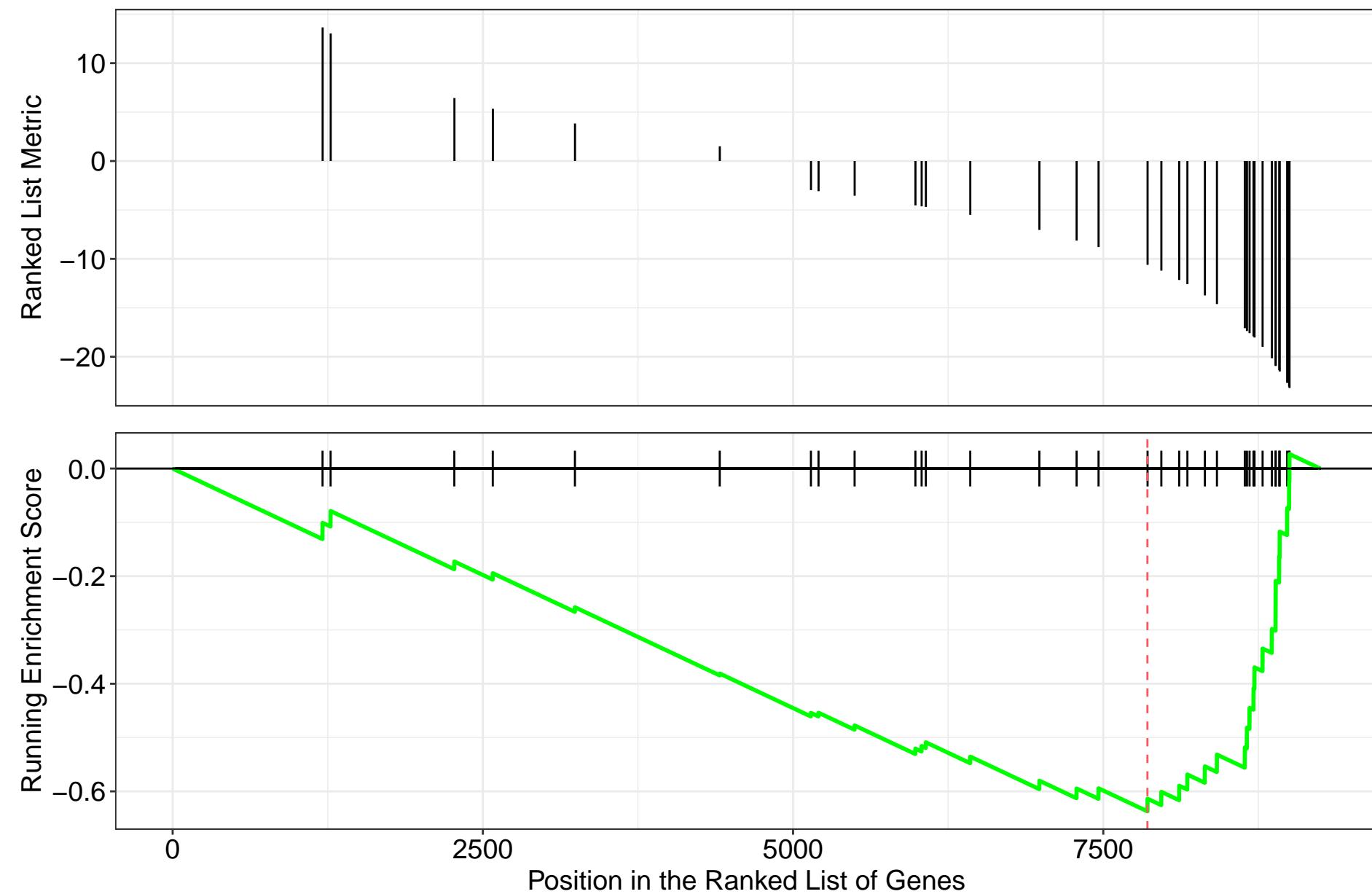
mononuclear cell migration



immune response-regulating signaling pathway

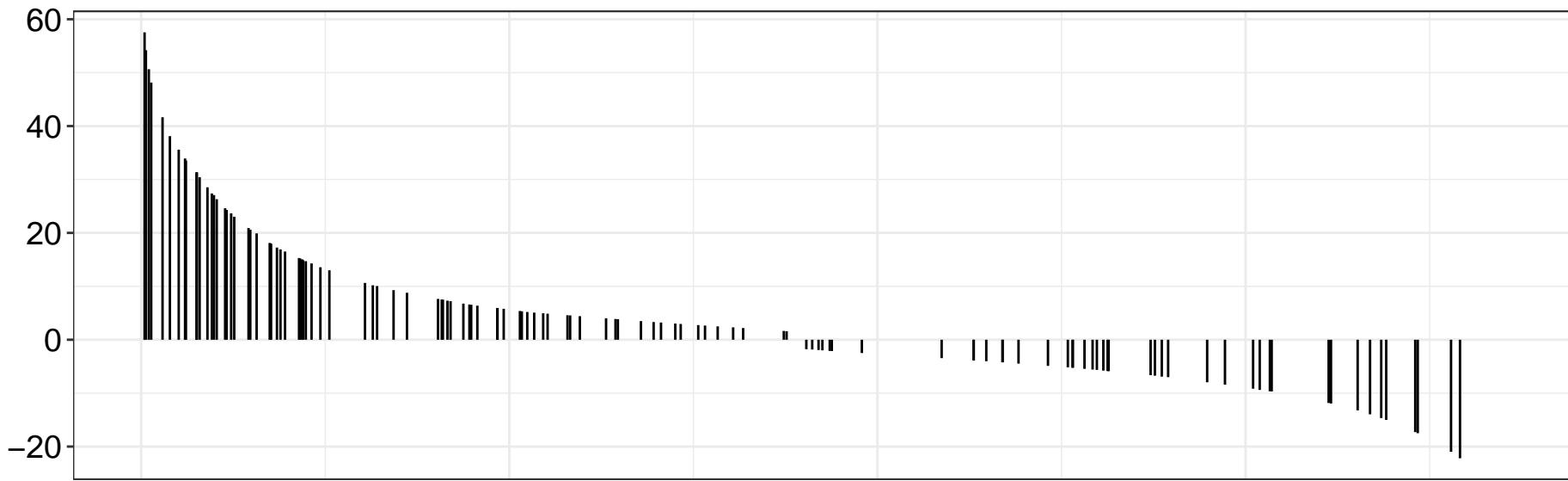


negative regulation of chromosome segregation



extrinsic apoptotic signaling pathway

Ranked List Metric



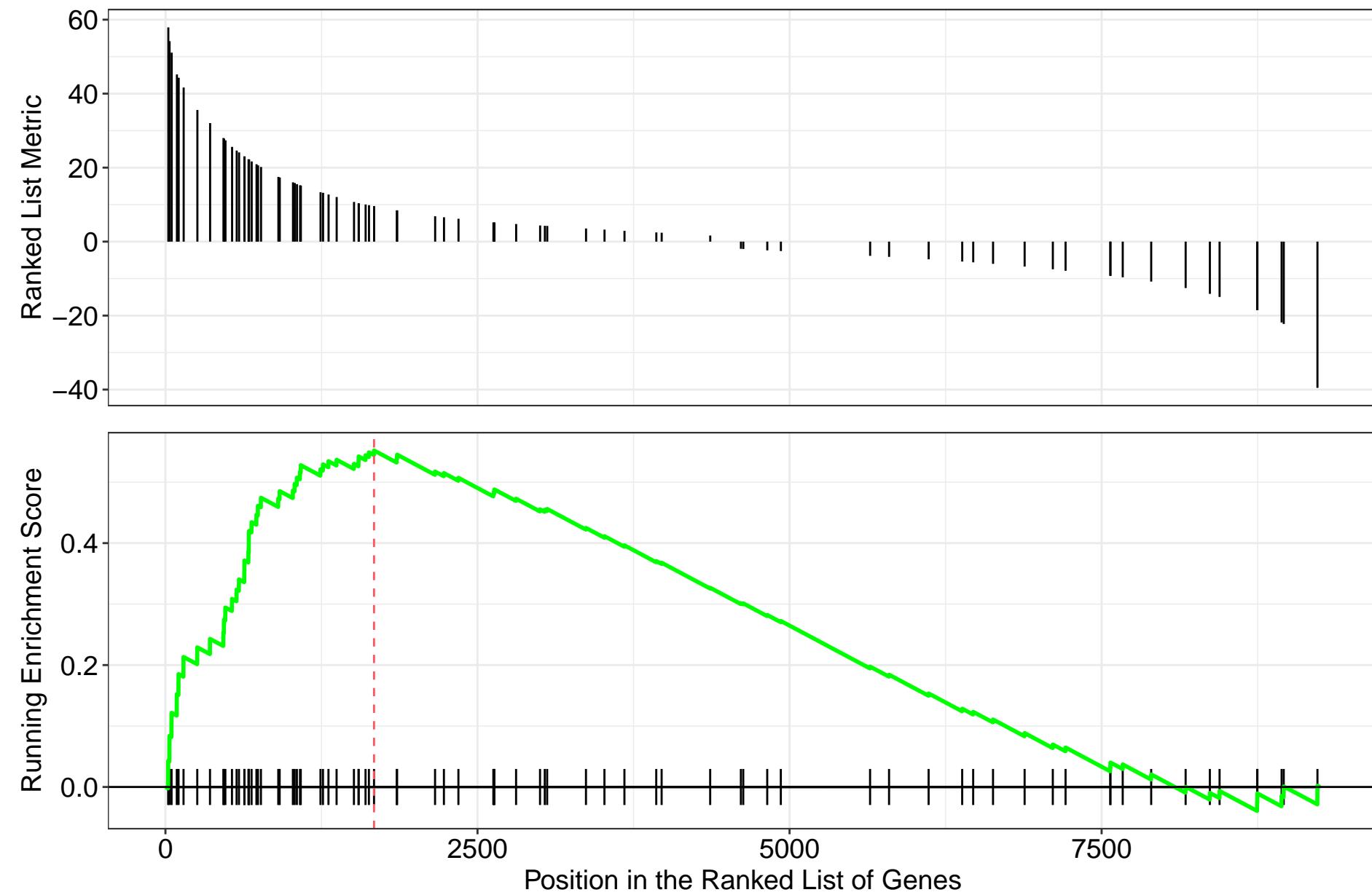
Running Enrichment Score

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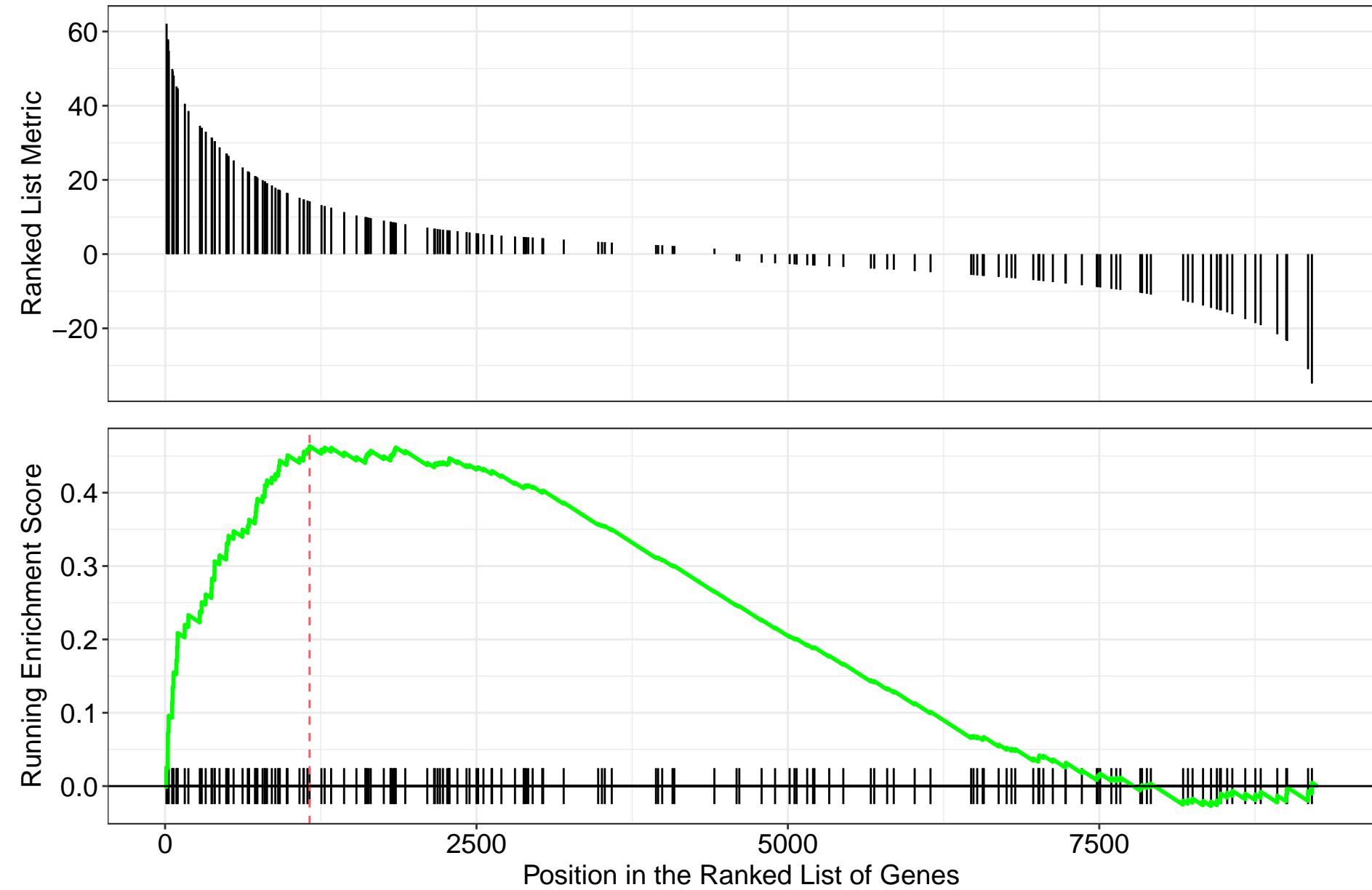
Position in the Ranked List of Genes



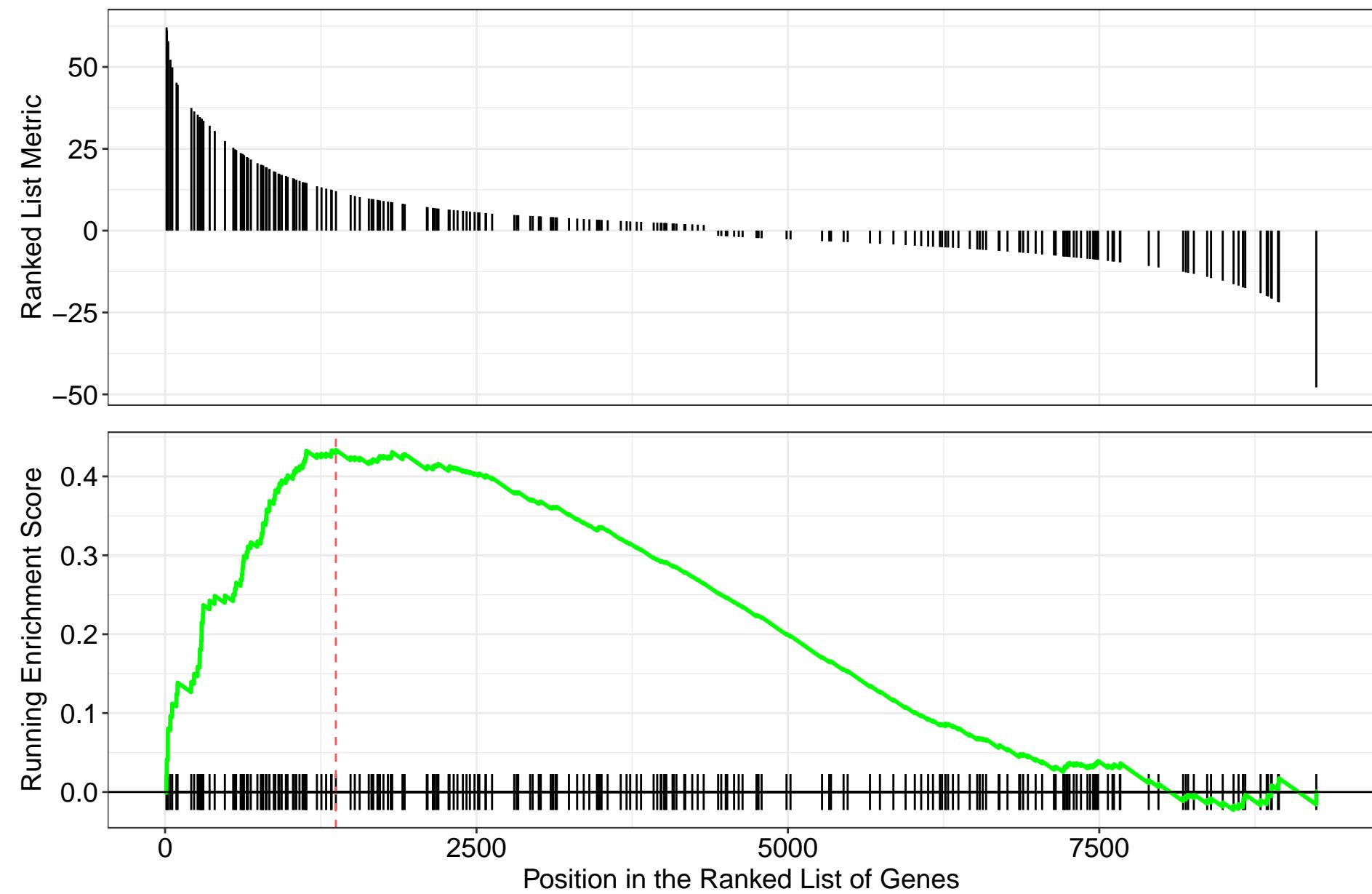
positive regulation of inflammatory response



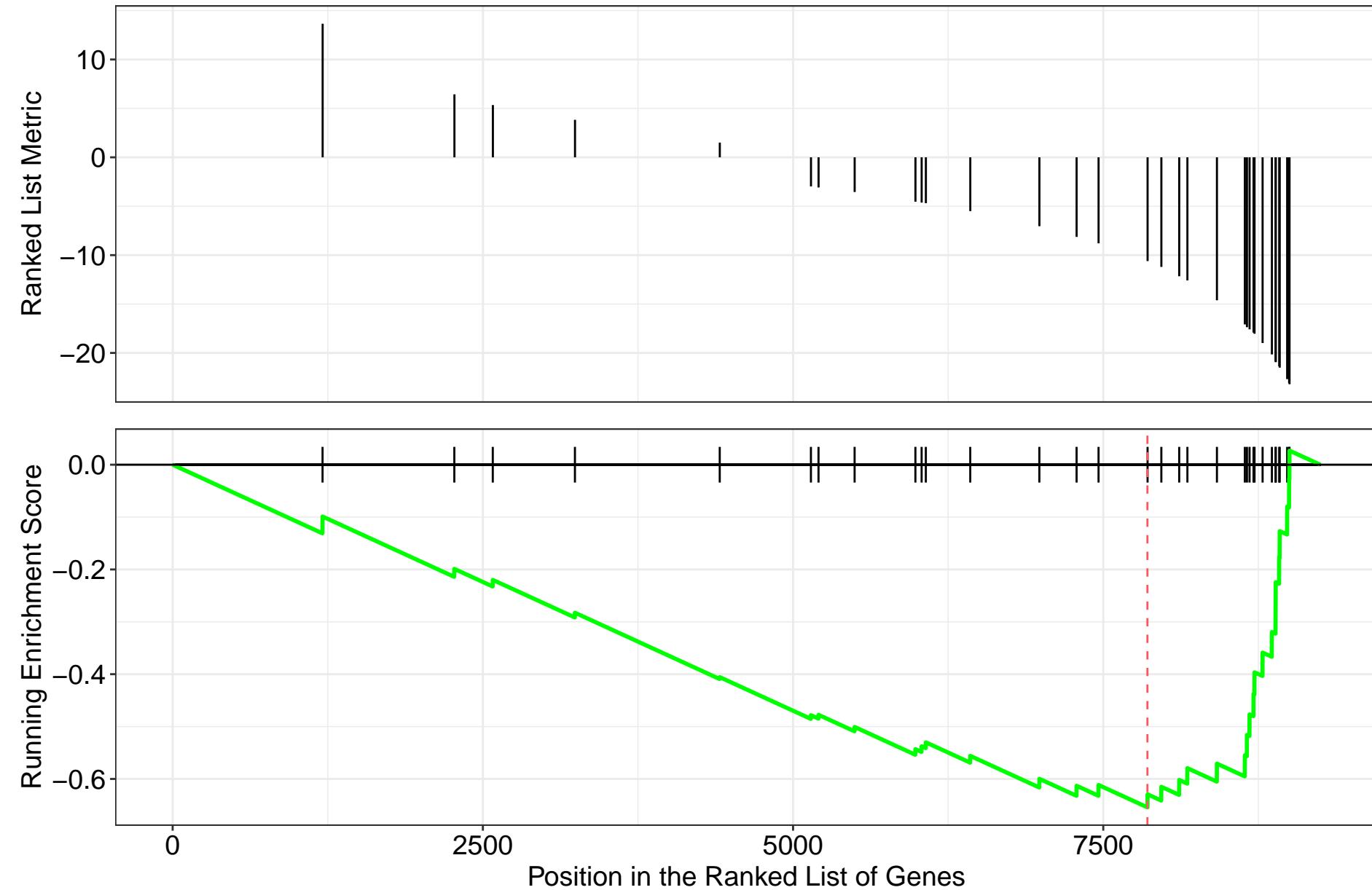
peptidyl–tyrosine phosphorylation



regulation of hemopoiesis

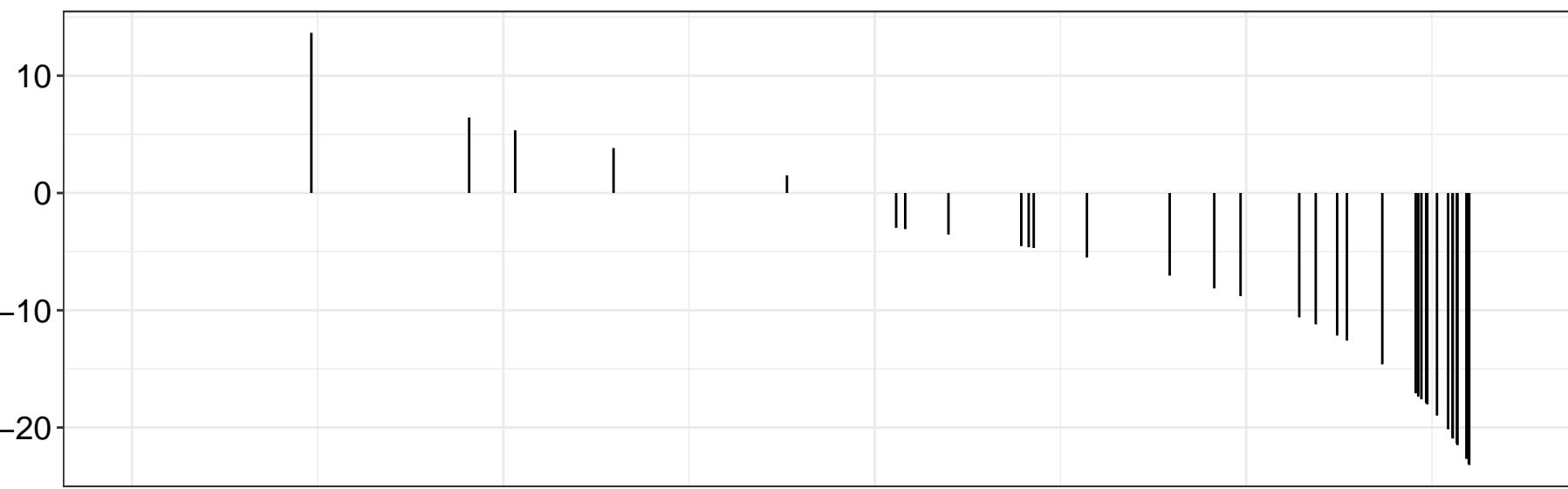


negative regulation of mitotic metaphase/anaphase transition



negative regulation of metaphase/anaphase transition of cell cycle

Ranked List Metric



Running Enrichment Score

0

2500

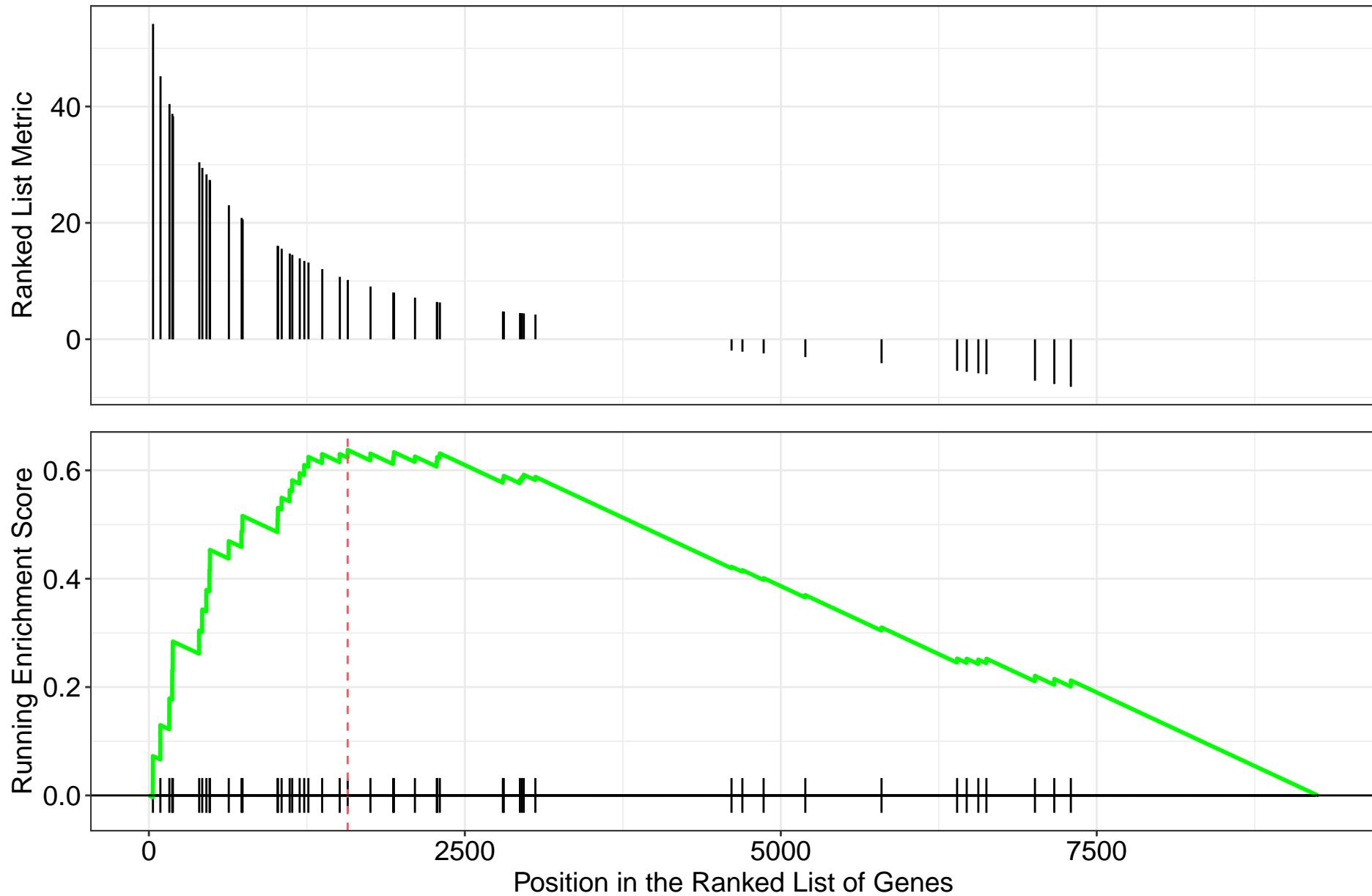
5000

7500

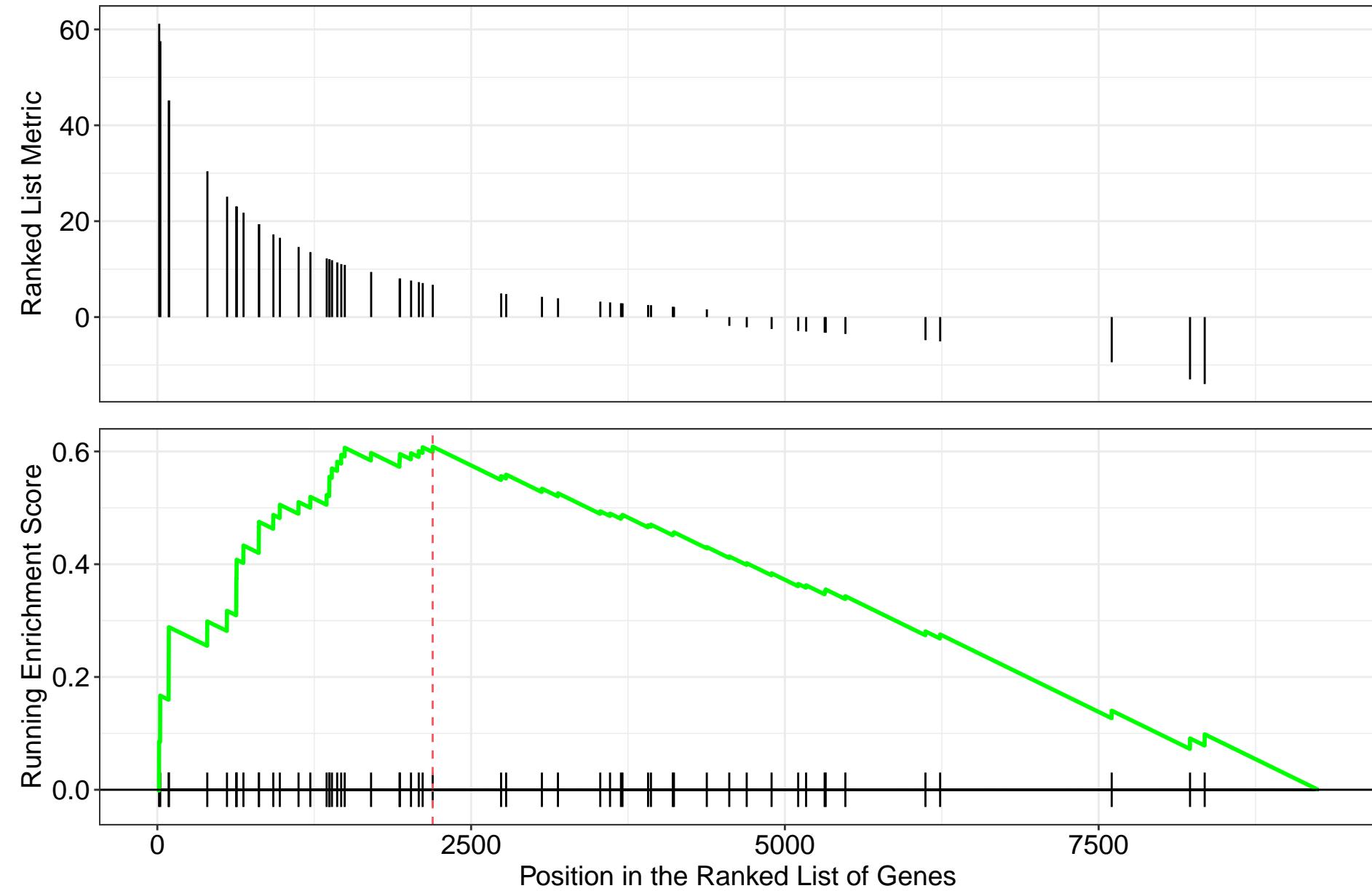
Position in the Ranked List of Genes



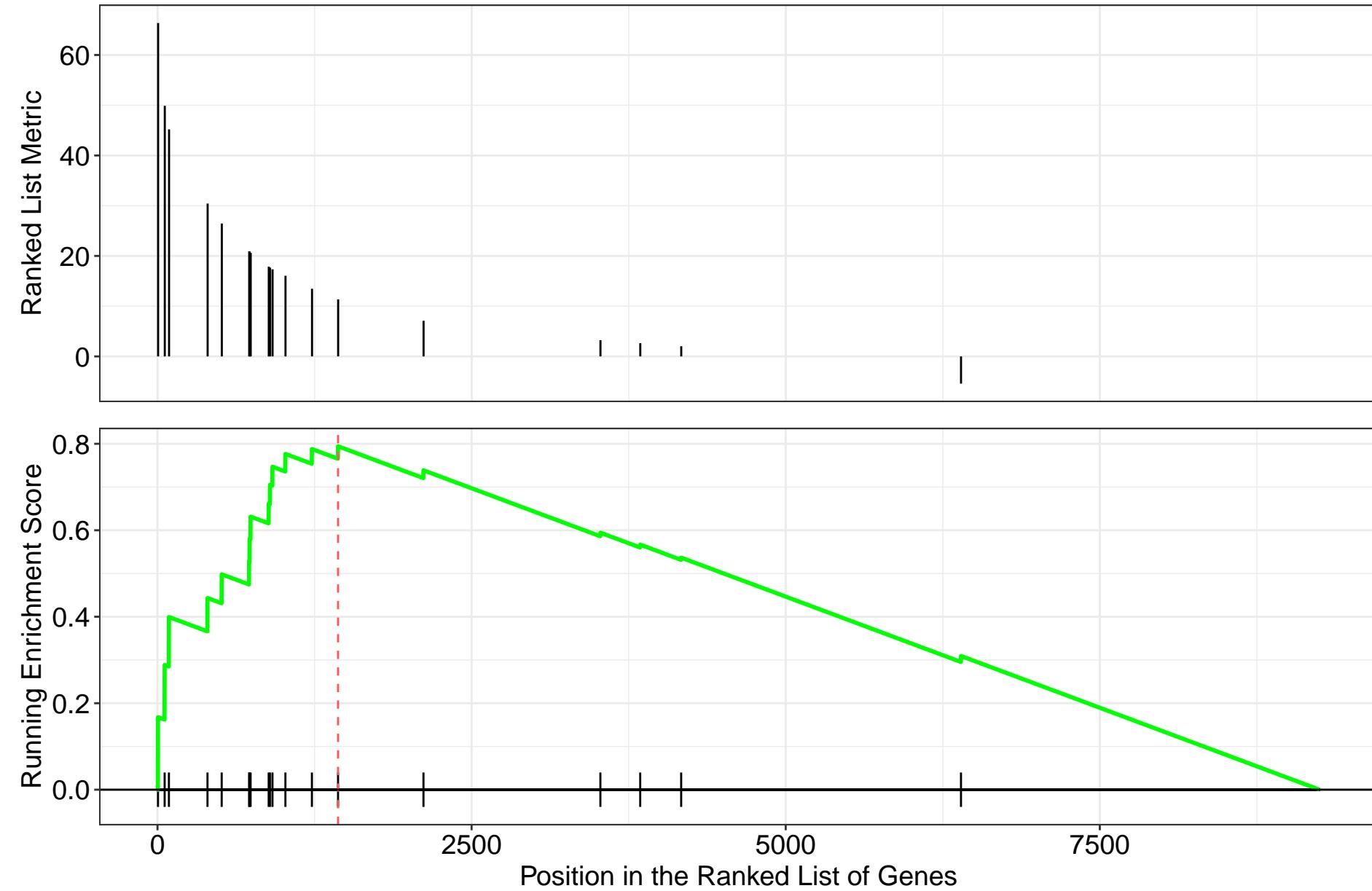
positive regulation of cytokine production involved in immune response



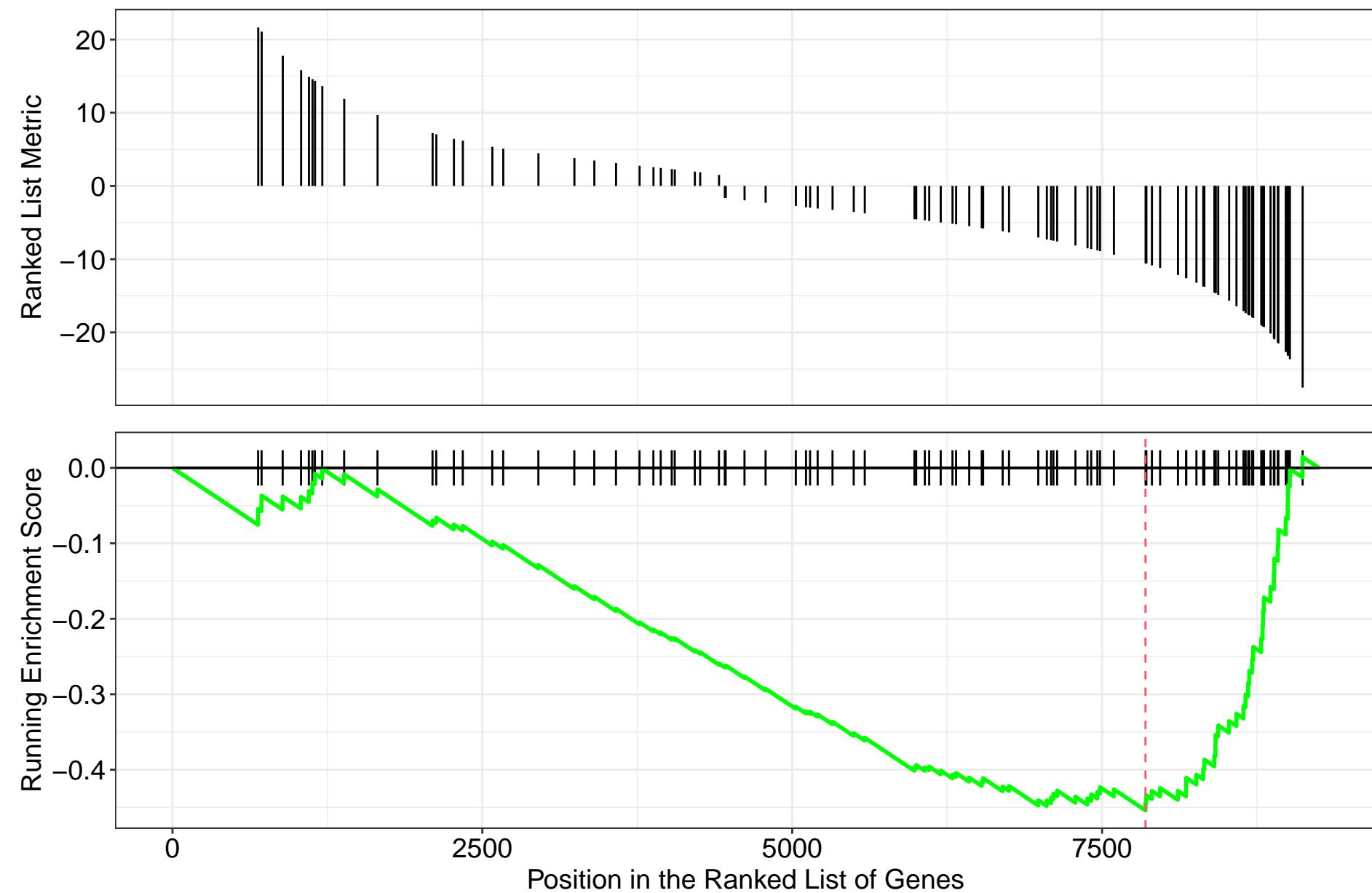
cellular response to virus



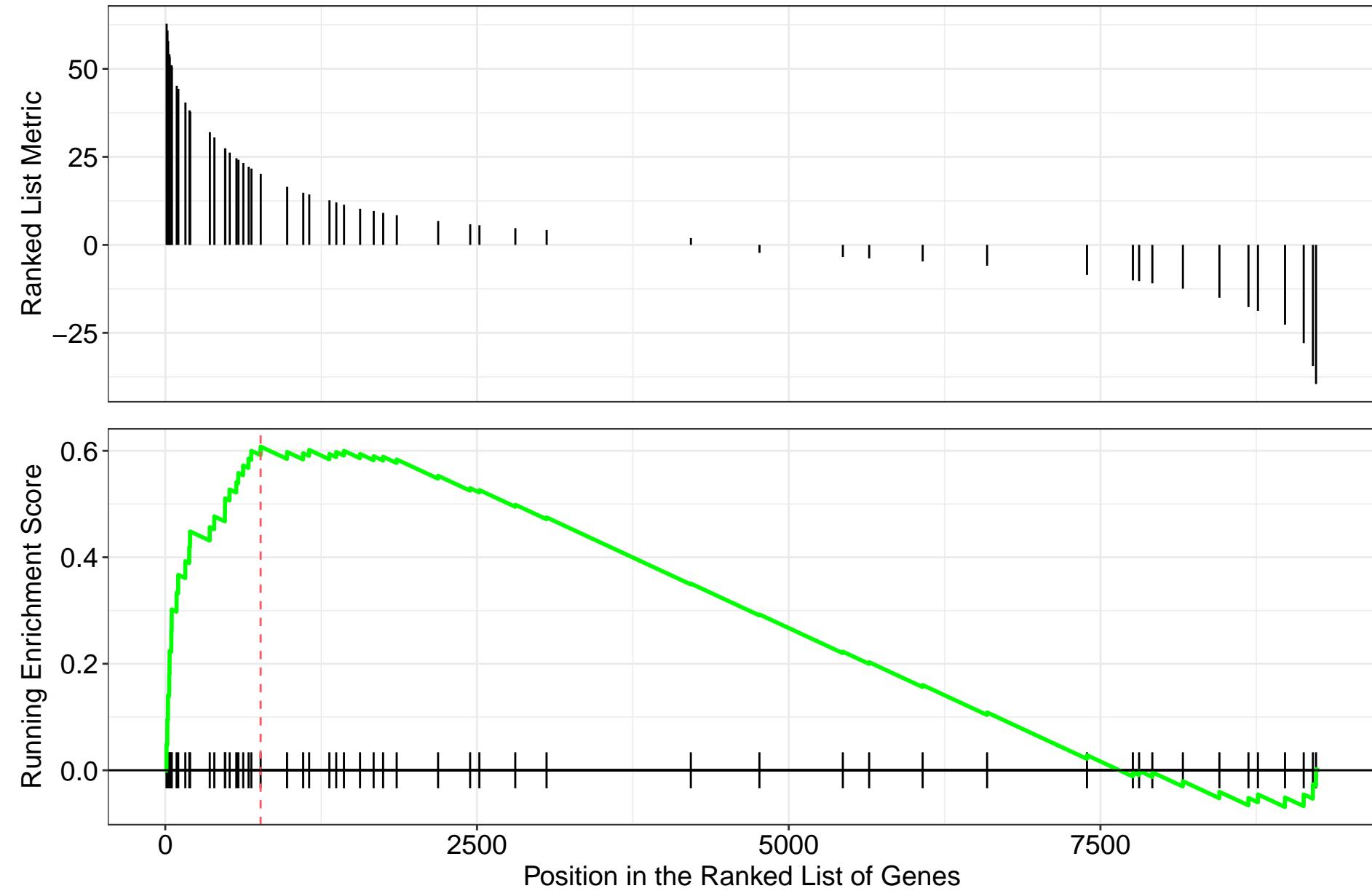
positive regulation of interleukin–17 production



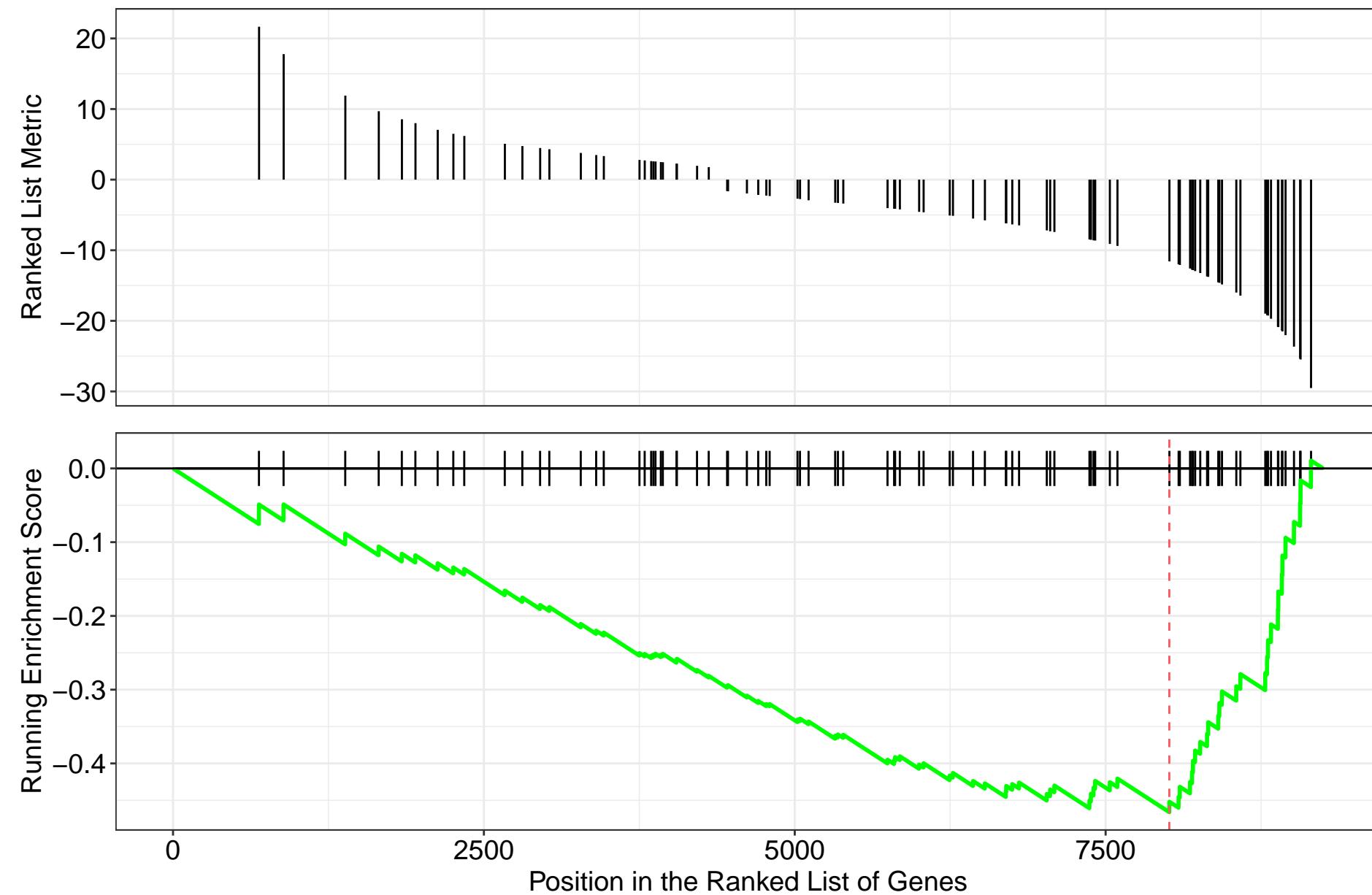
mitotic cell cycle checkpoint signaling



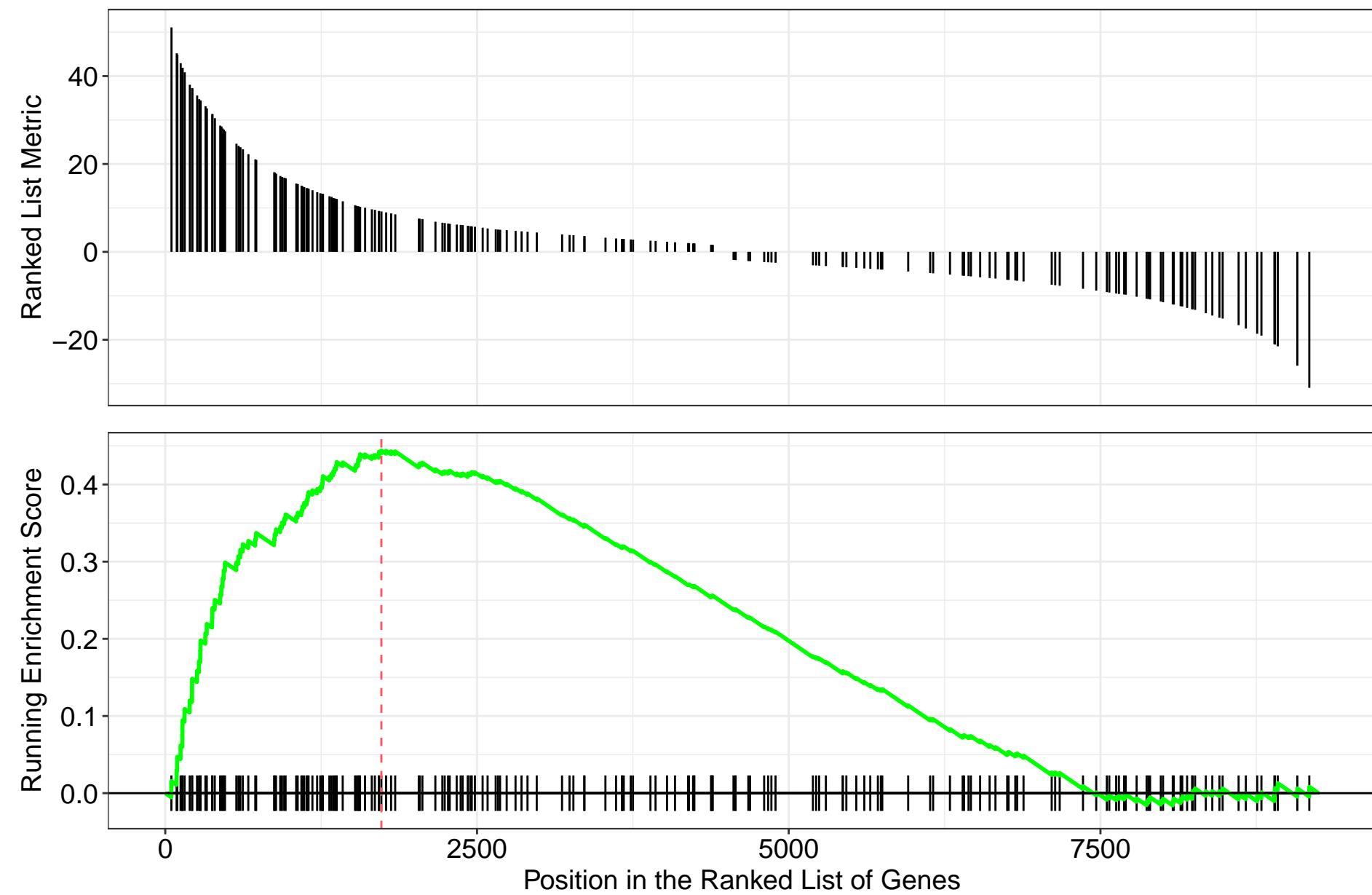
acute inflammatory response



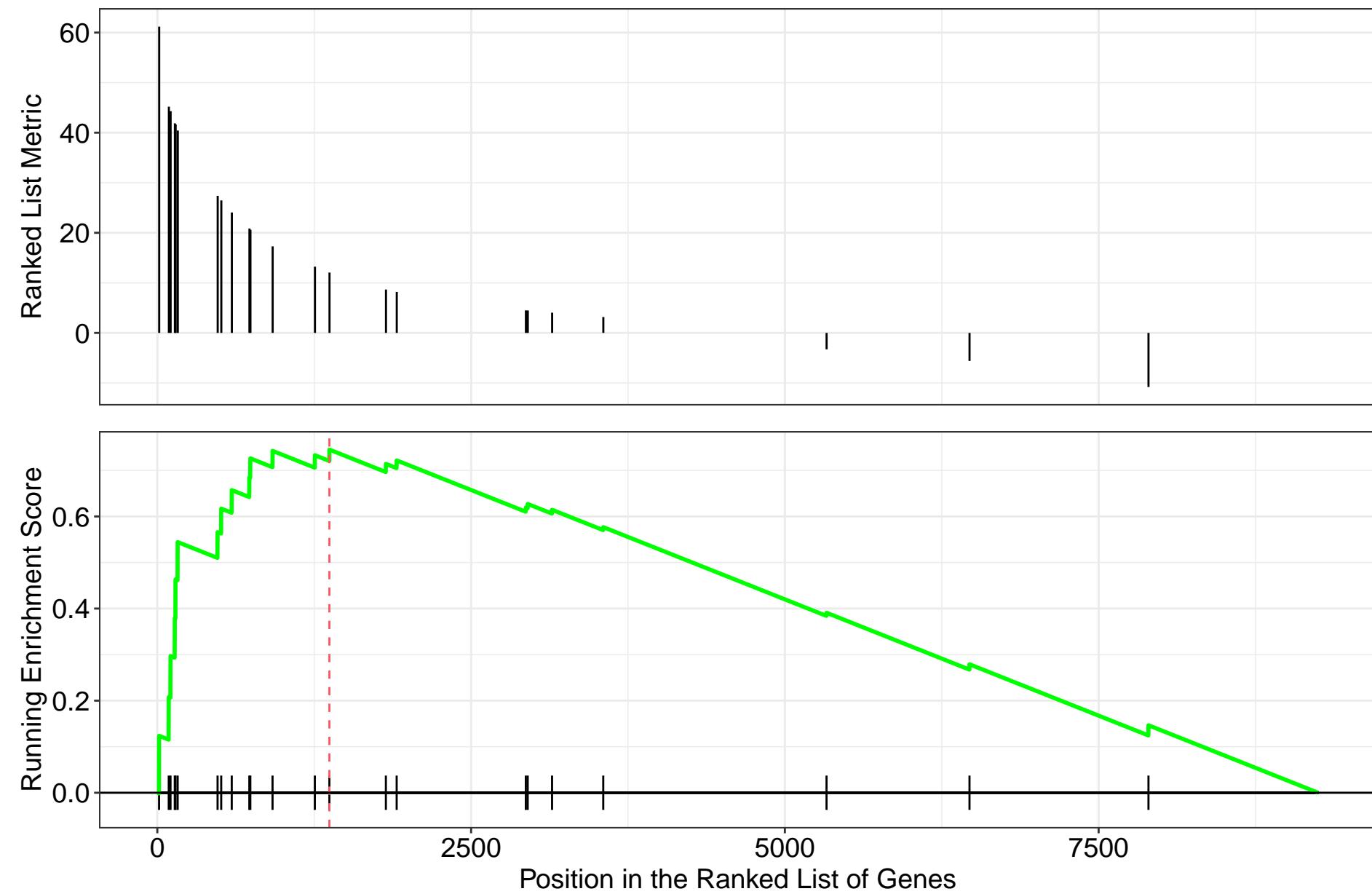
G2/M transition of mitotic cell cycle



regulation of peptidase activity

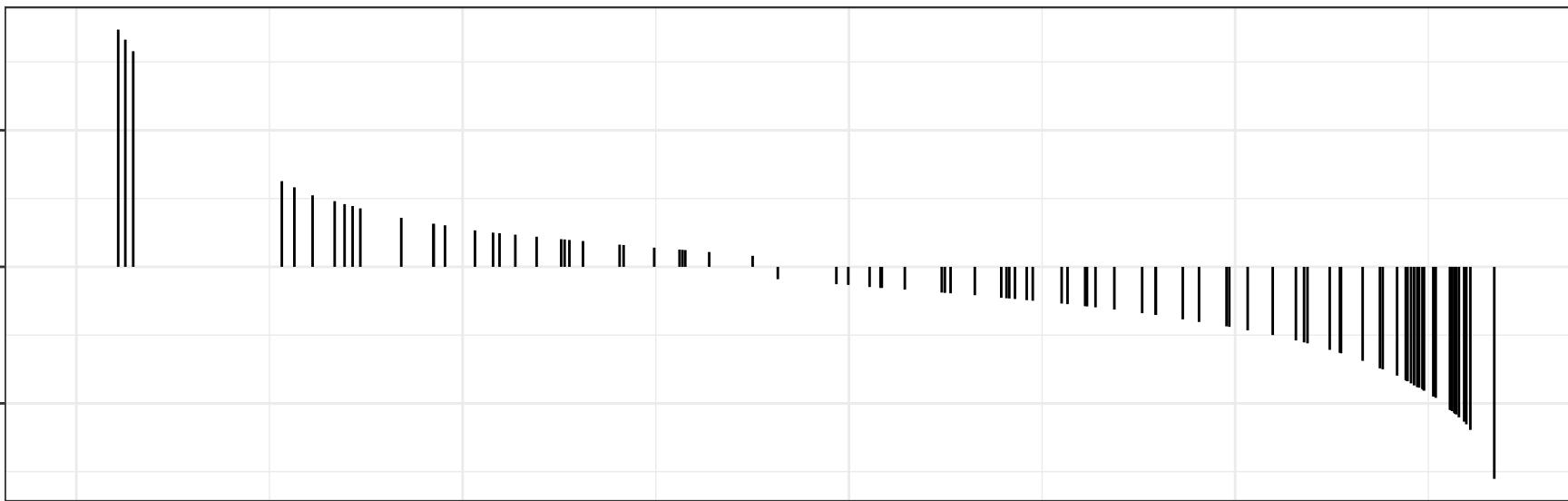


regulation of type 2 immune response

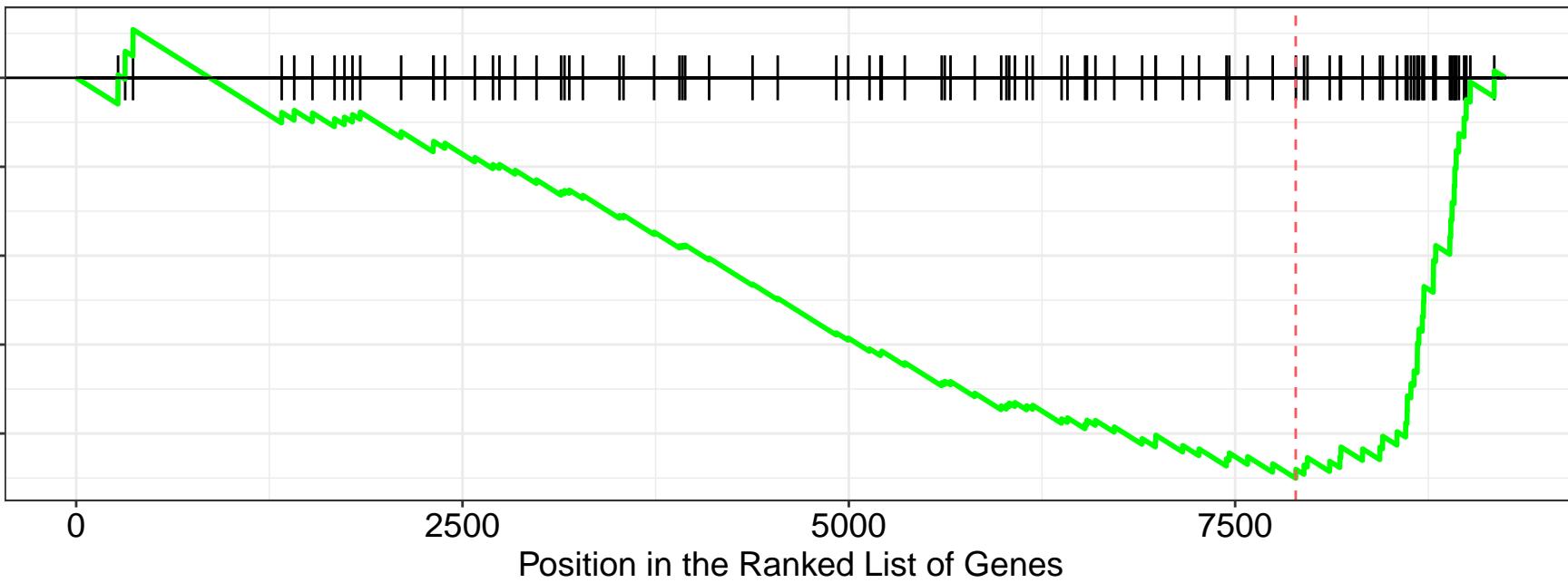


microtubule cytoskeleton organization involved in mitosis

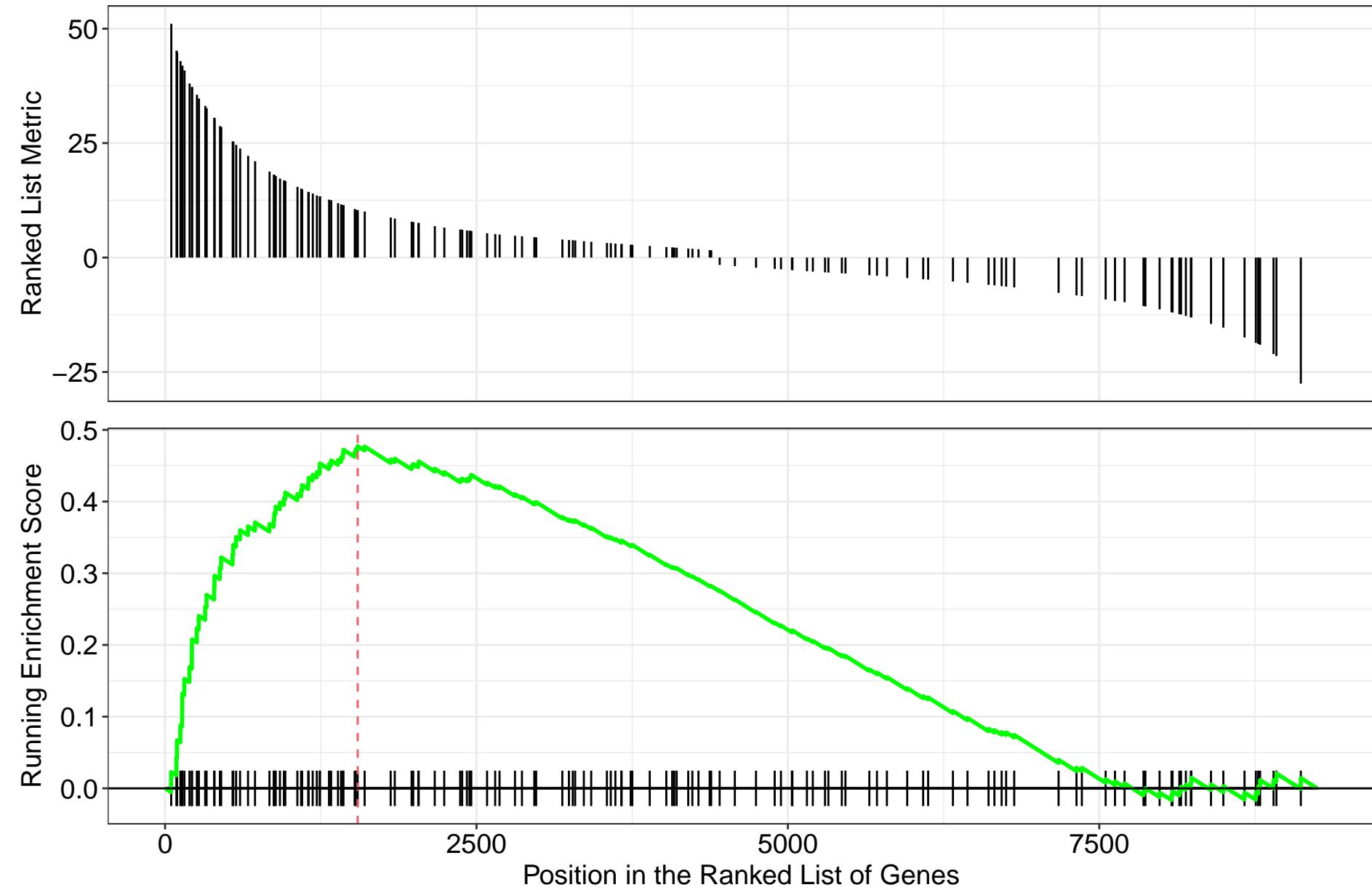
Ranked List Metric



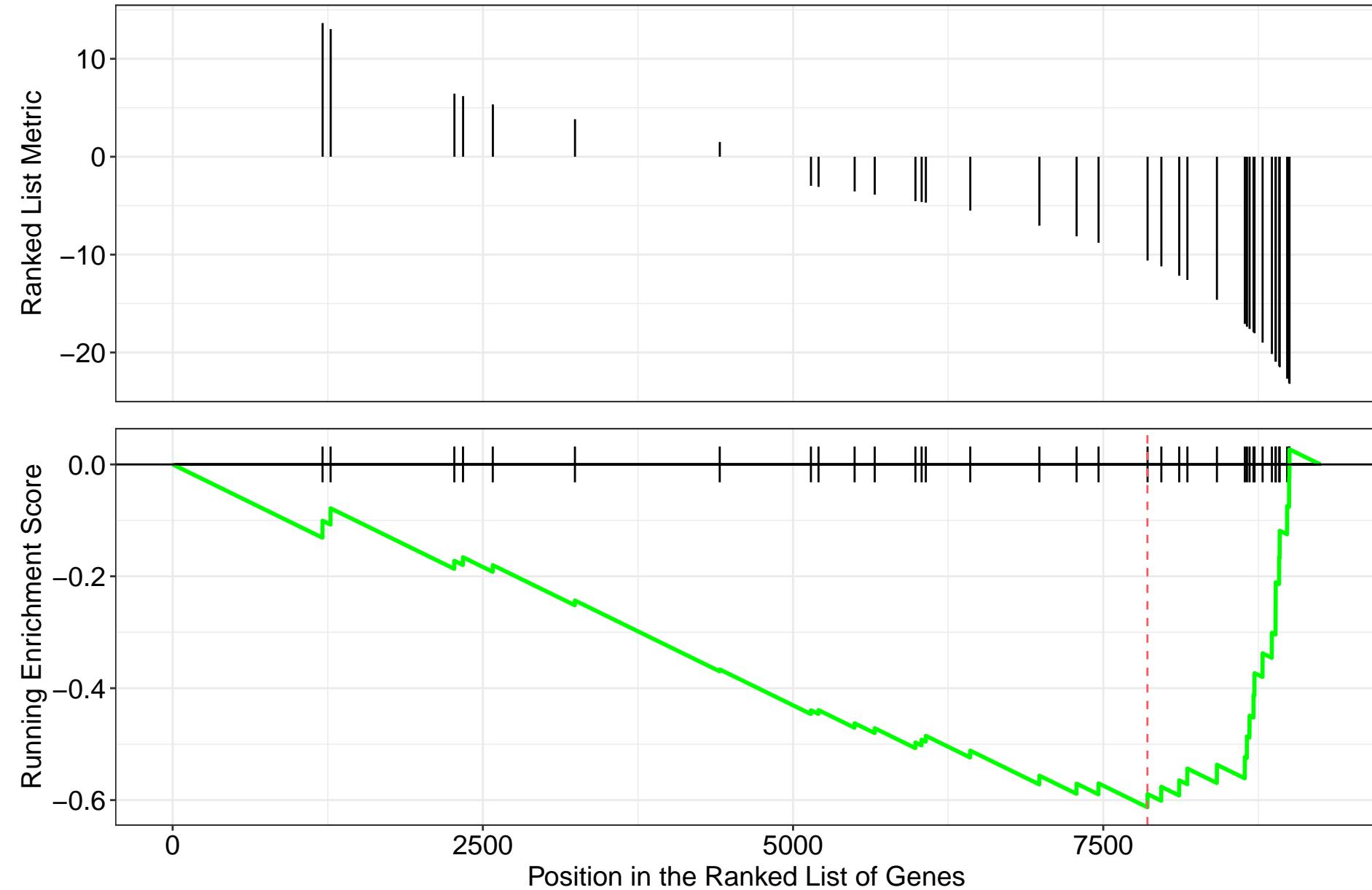
Running Enrichment Score



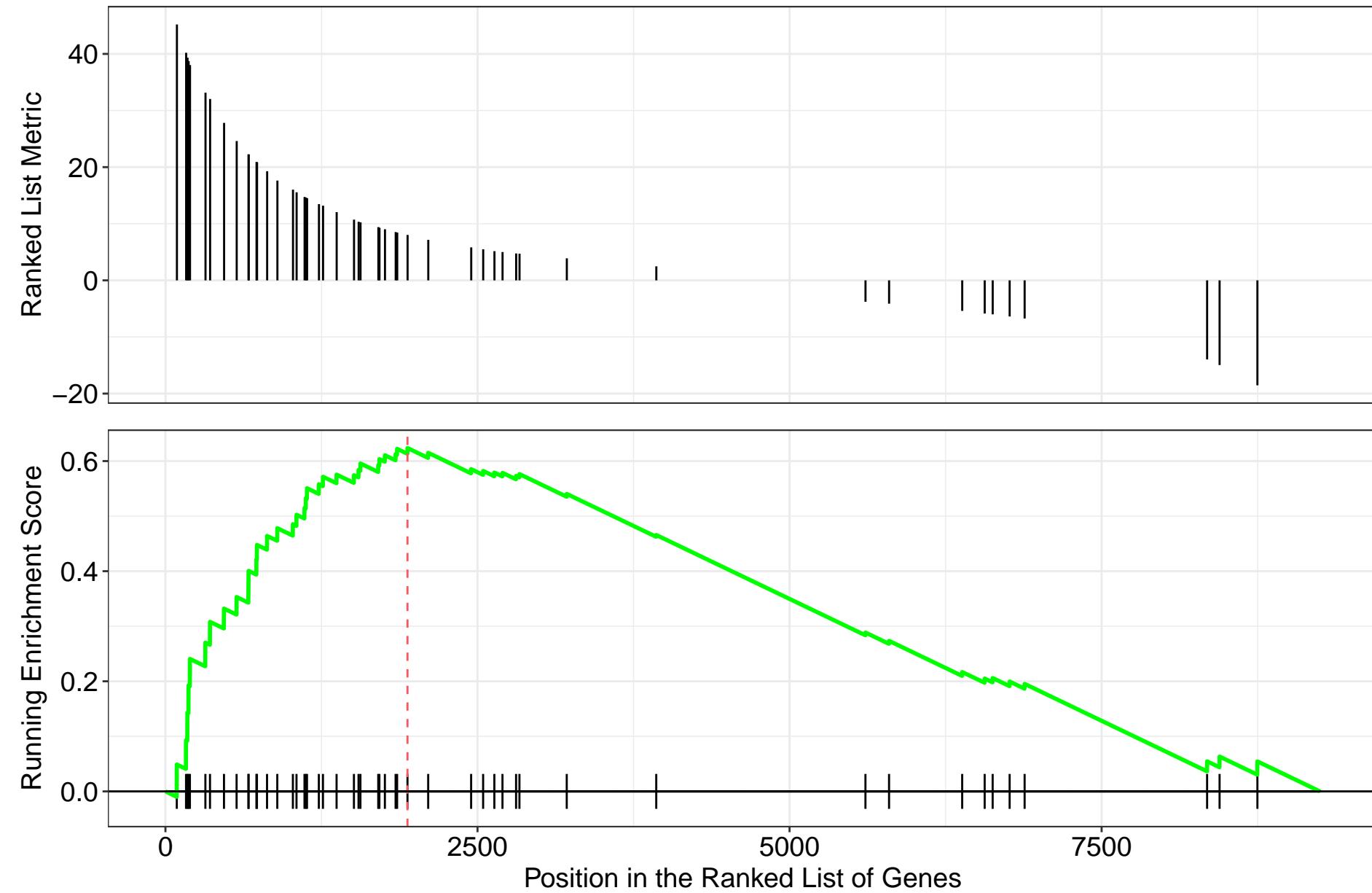
negative regulation of proteolysis



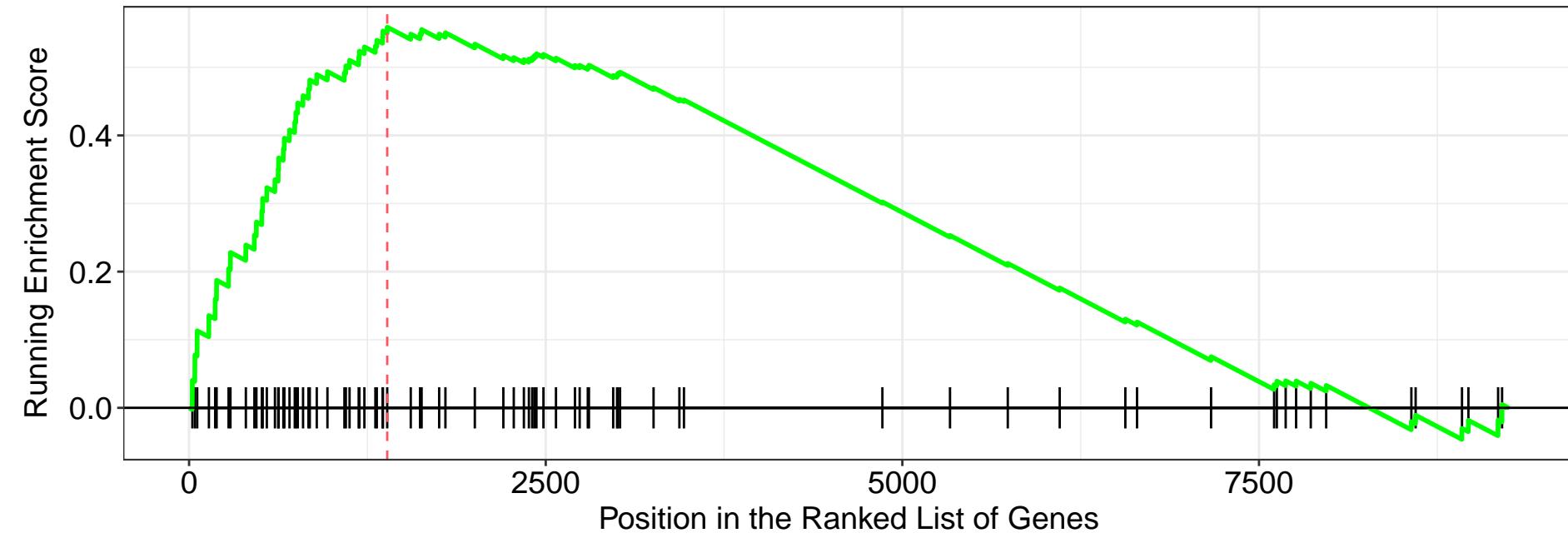
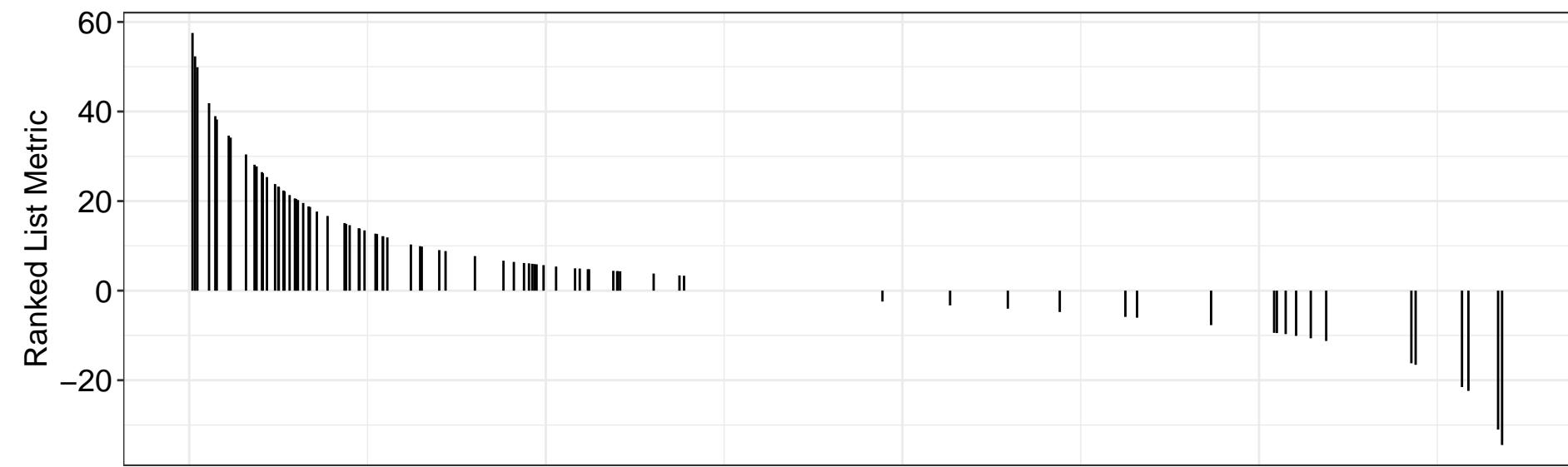
regulation of mitotic sister chromatid segregation



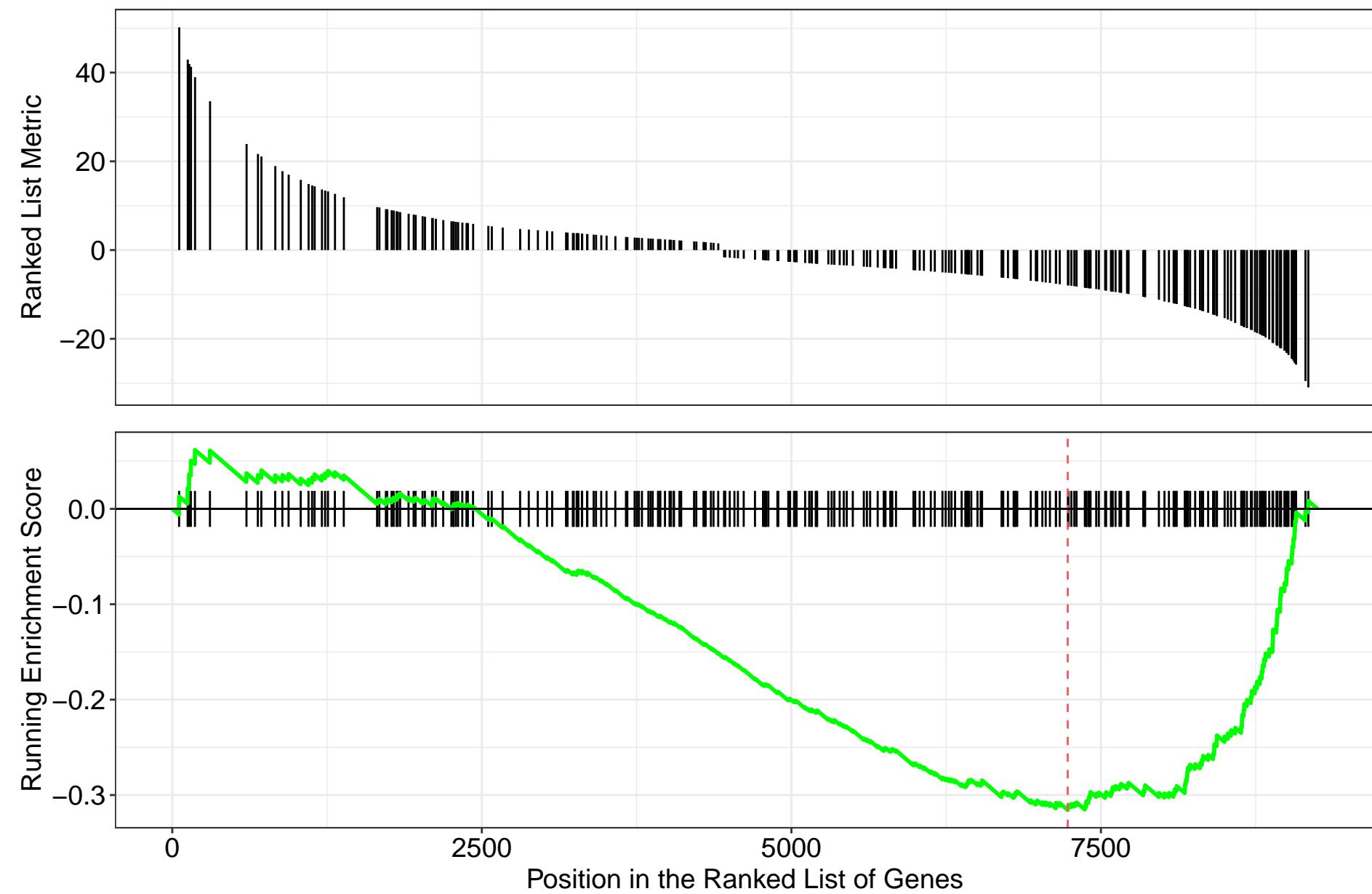
positive regulation of interleukin–1 production



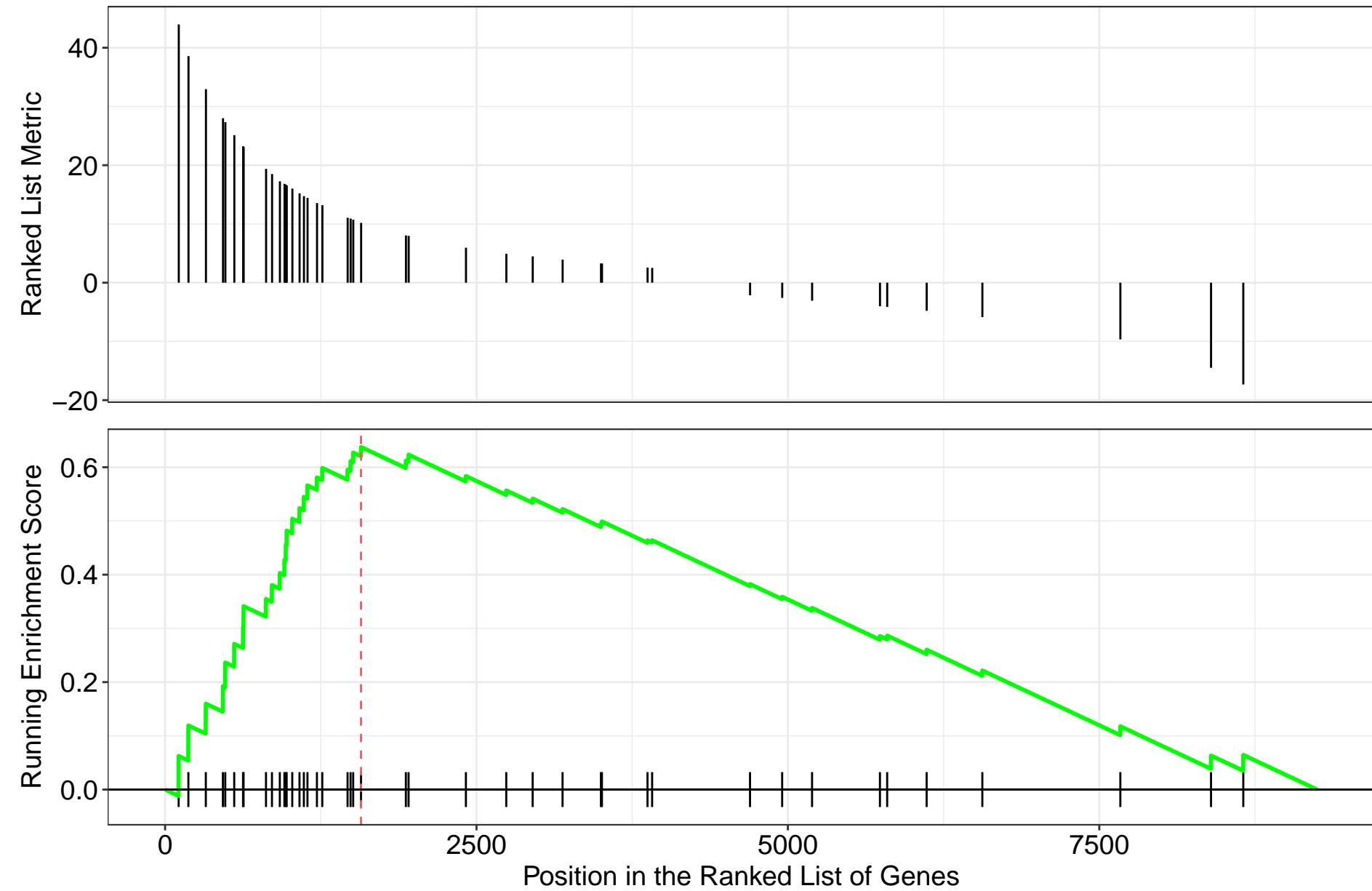
leukocyte mediated cytotoxicity



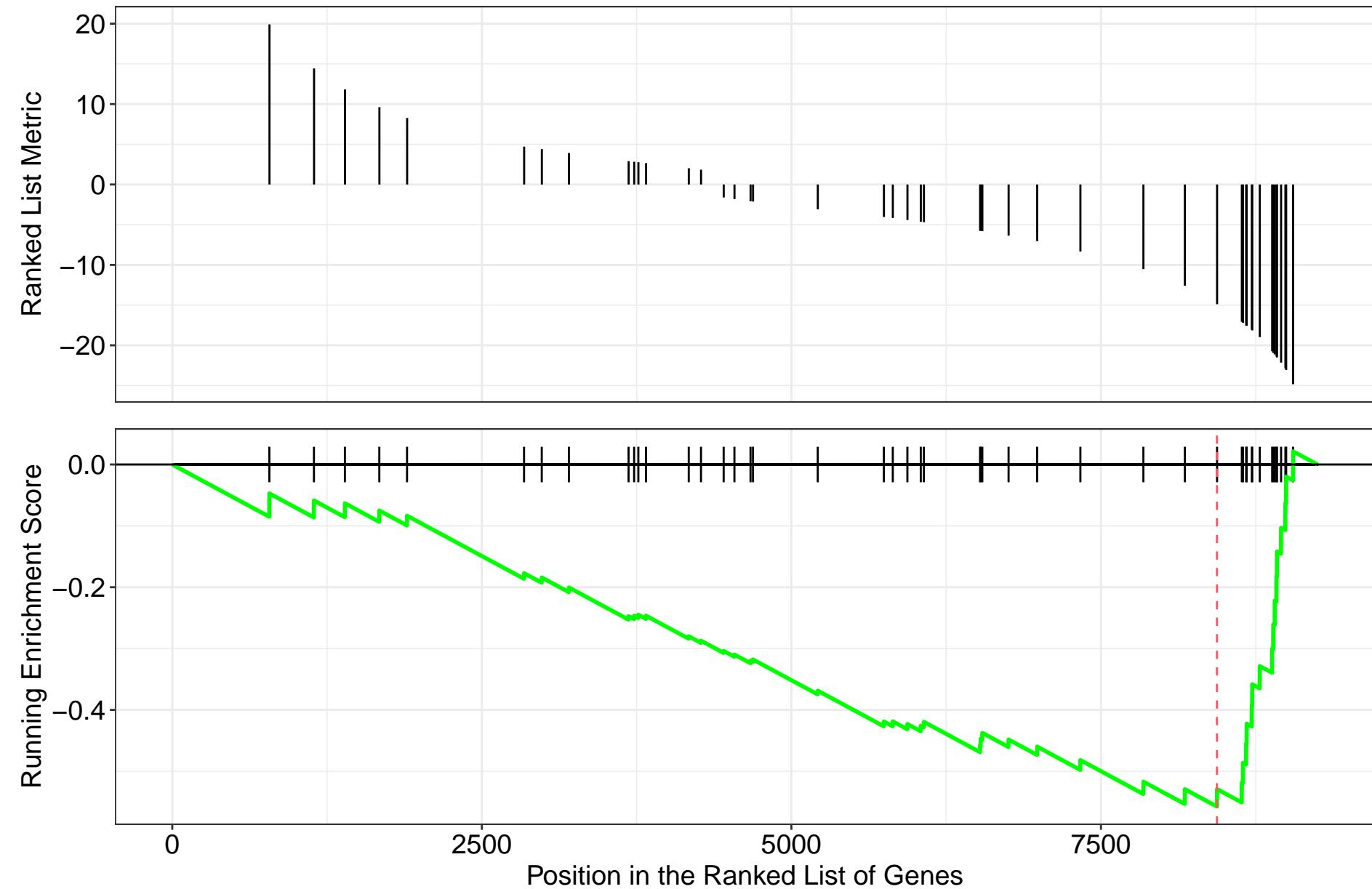
mitotic cell cycle phase transition



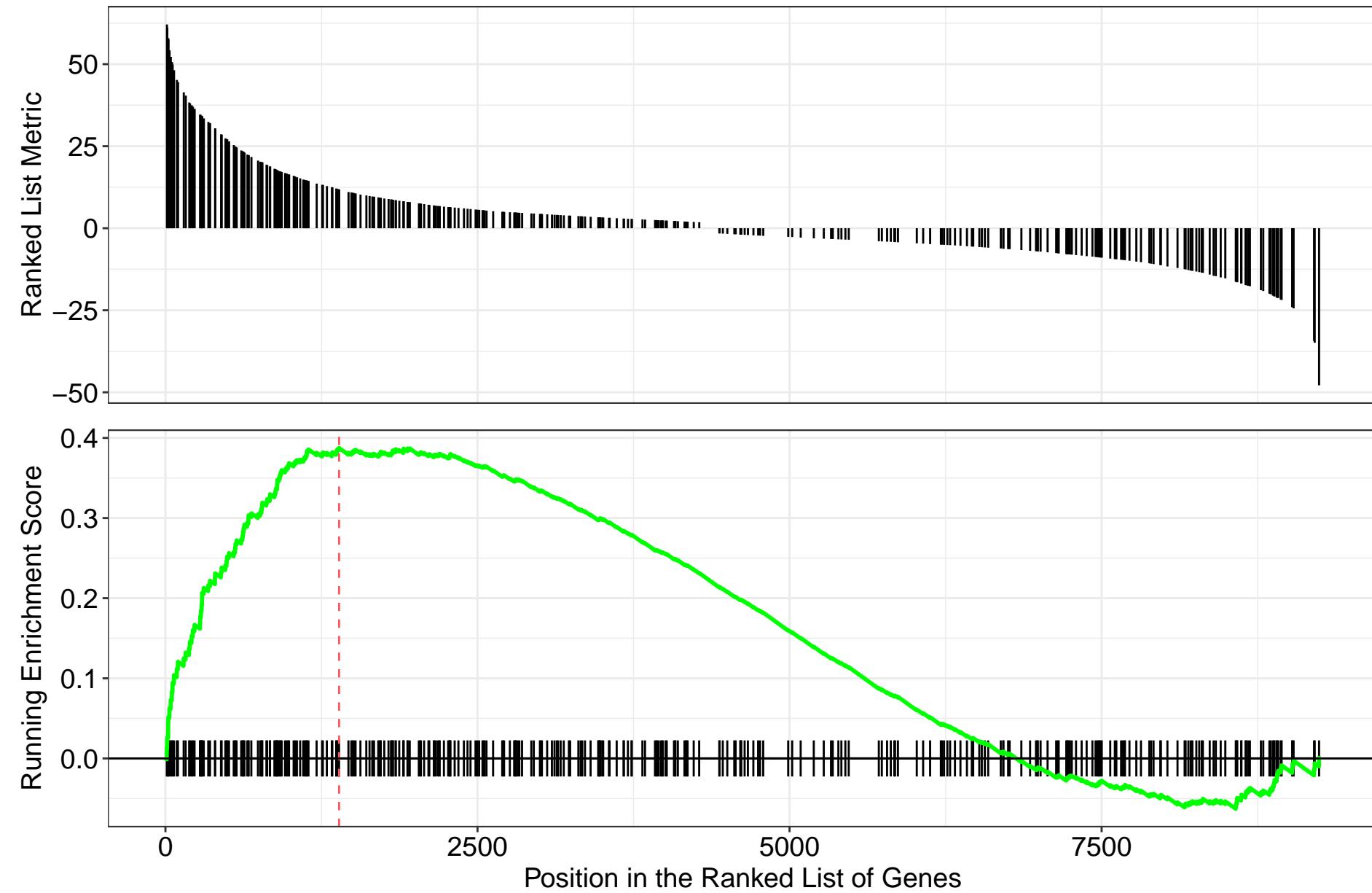
positive regulation of response to cytokine stimulus



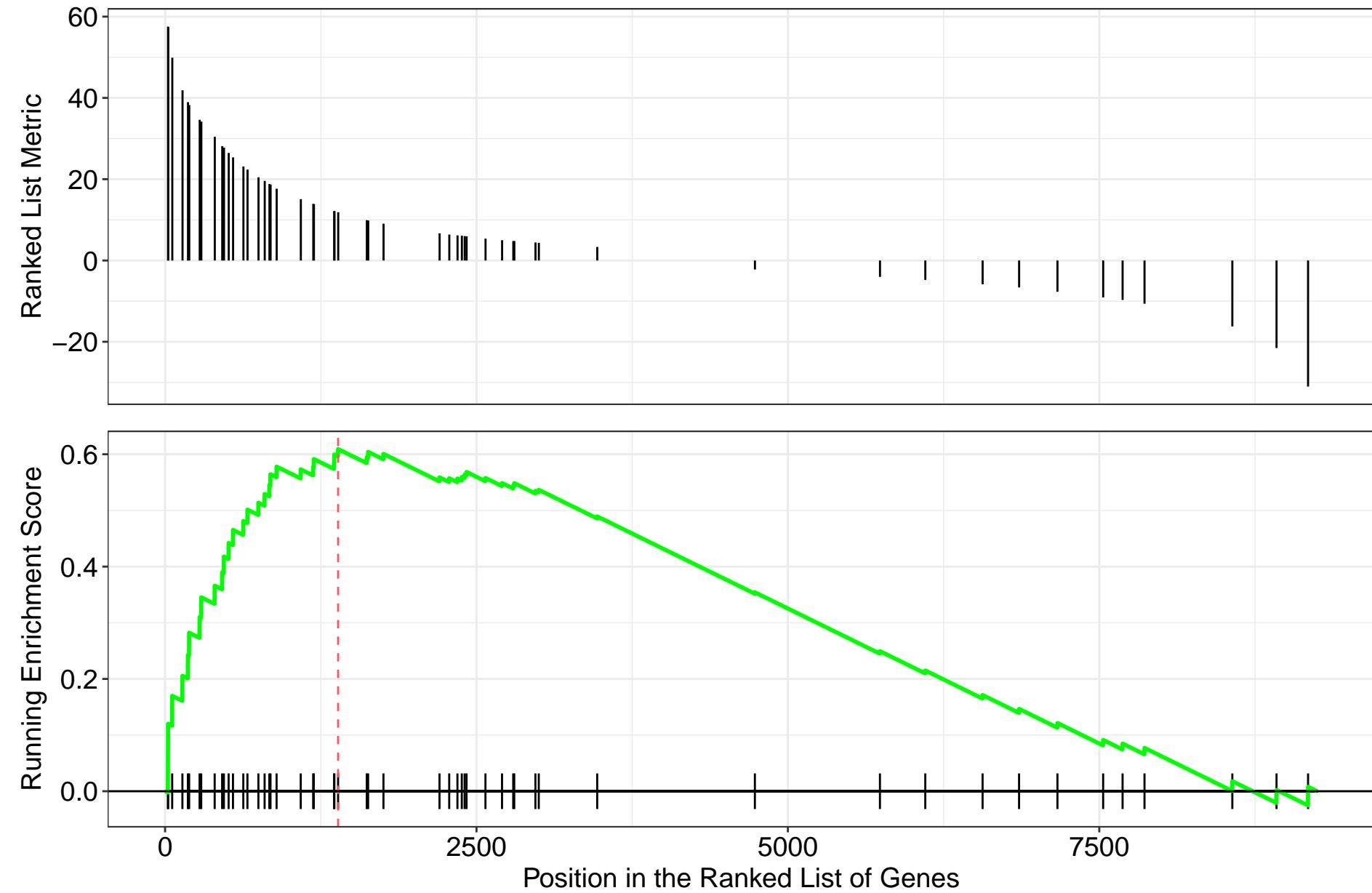
mitotic cytokinesis



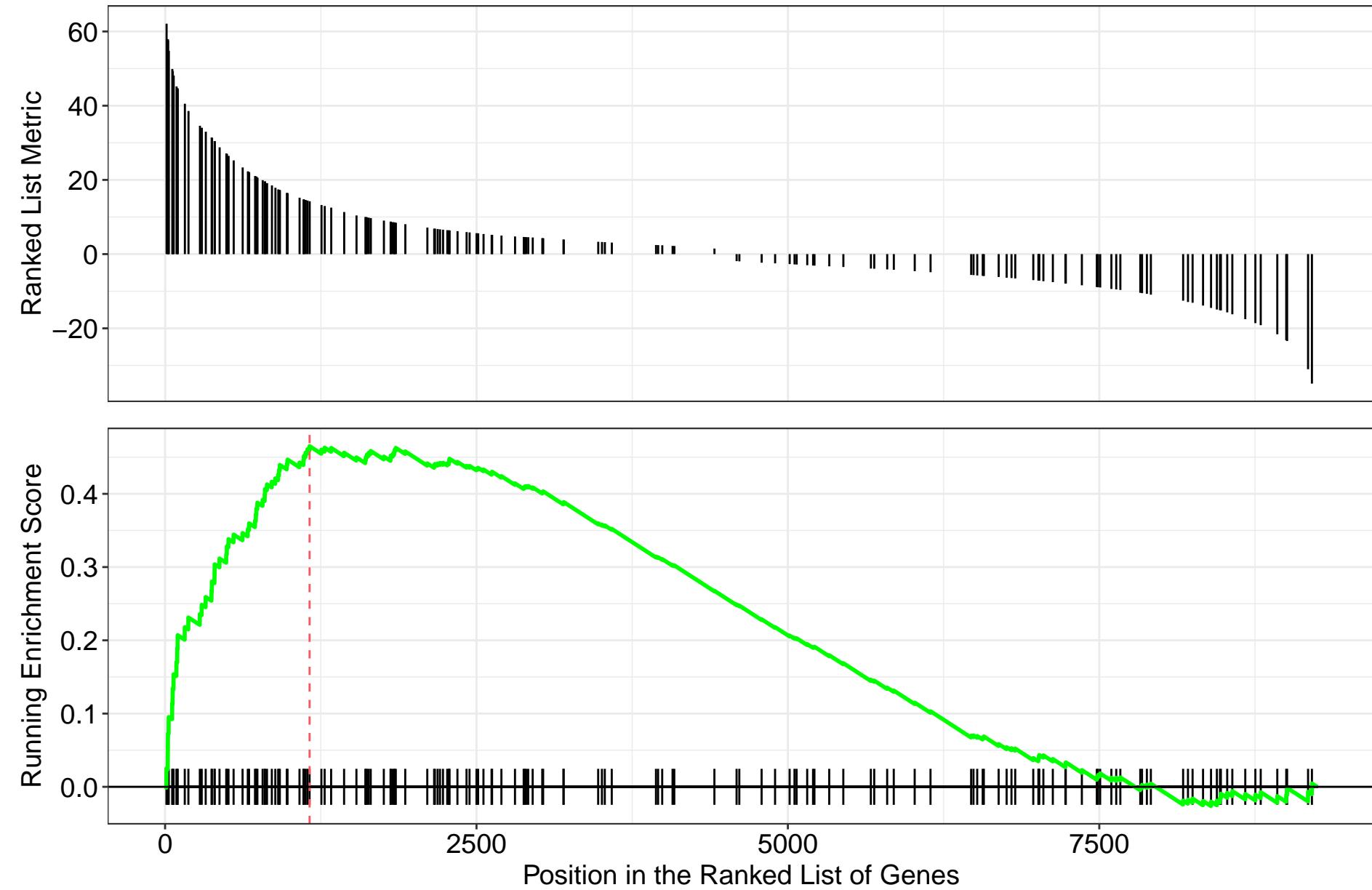
leukocyte differentiation



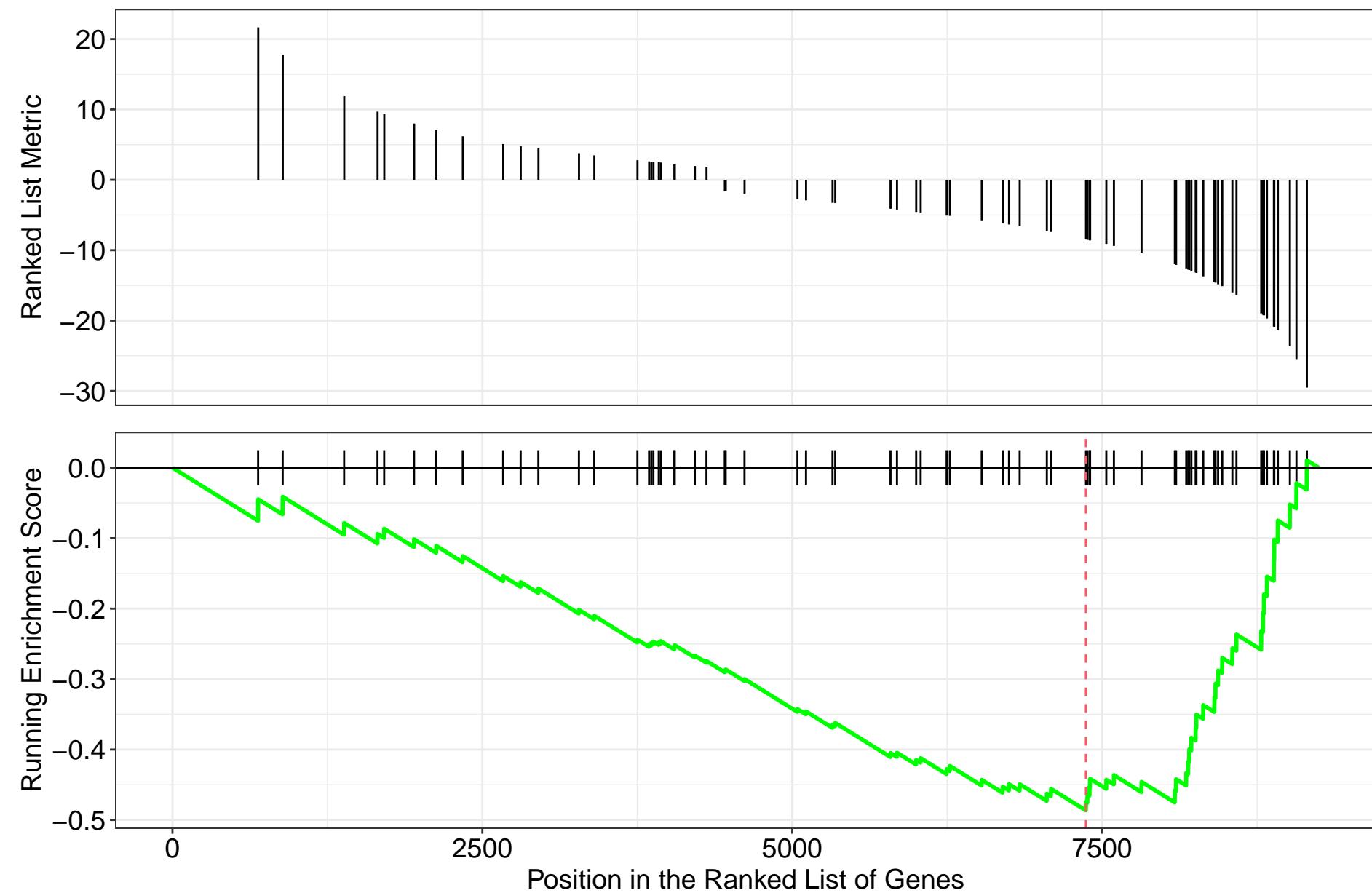
positive regulation of cell killing



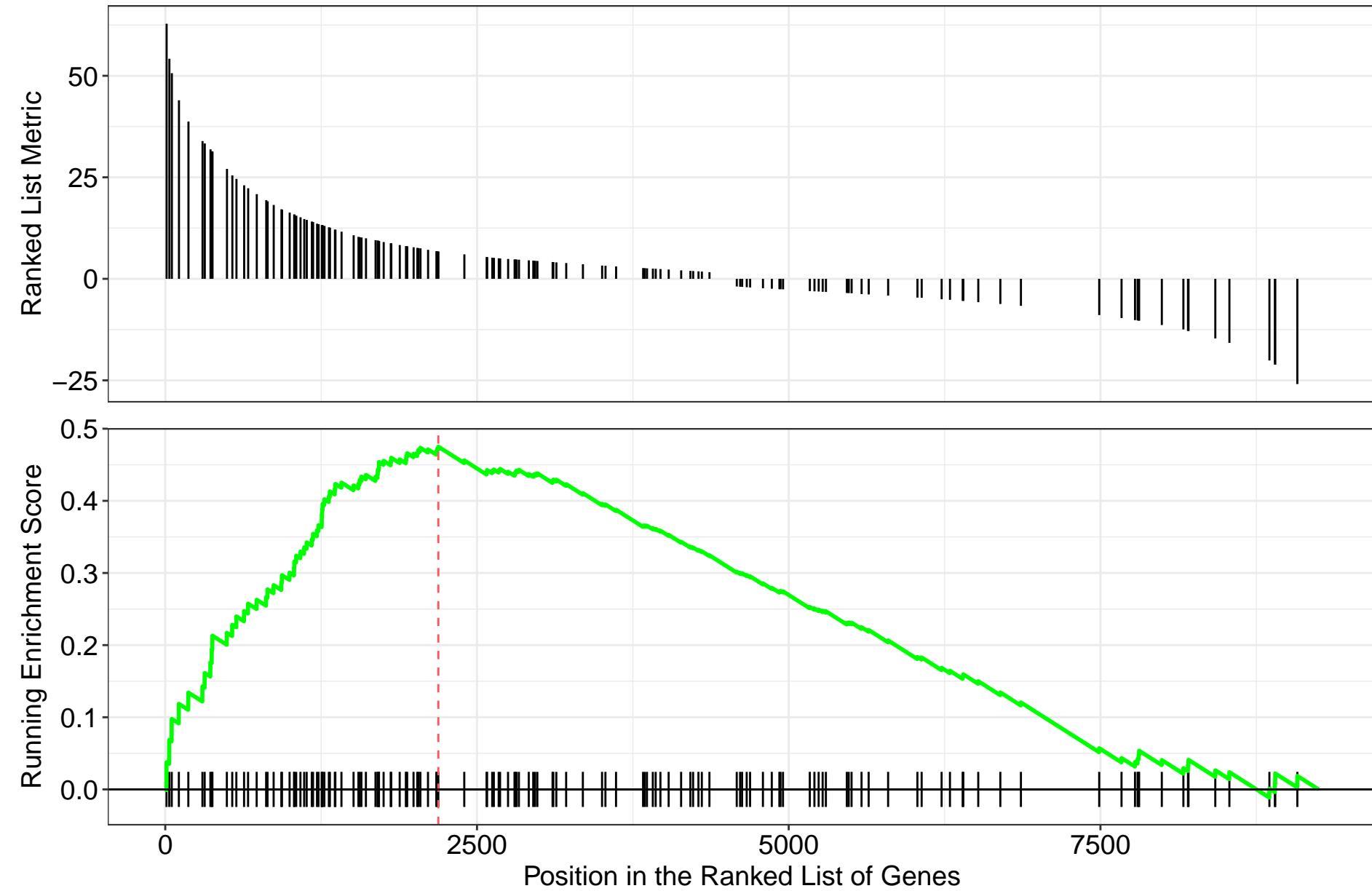
peptidyl–tyrosine modification



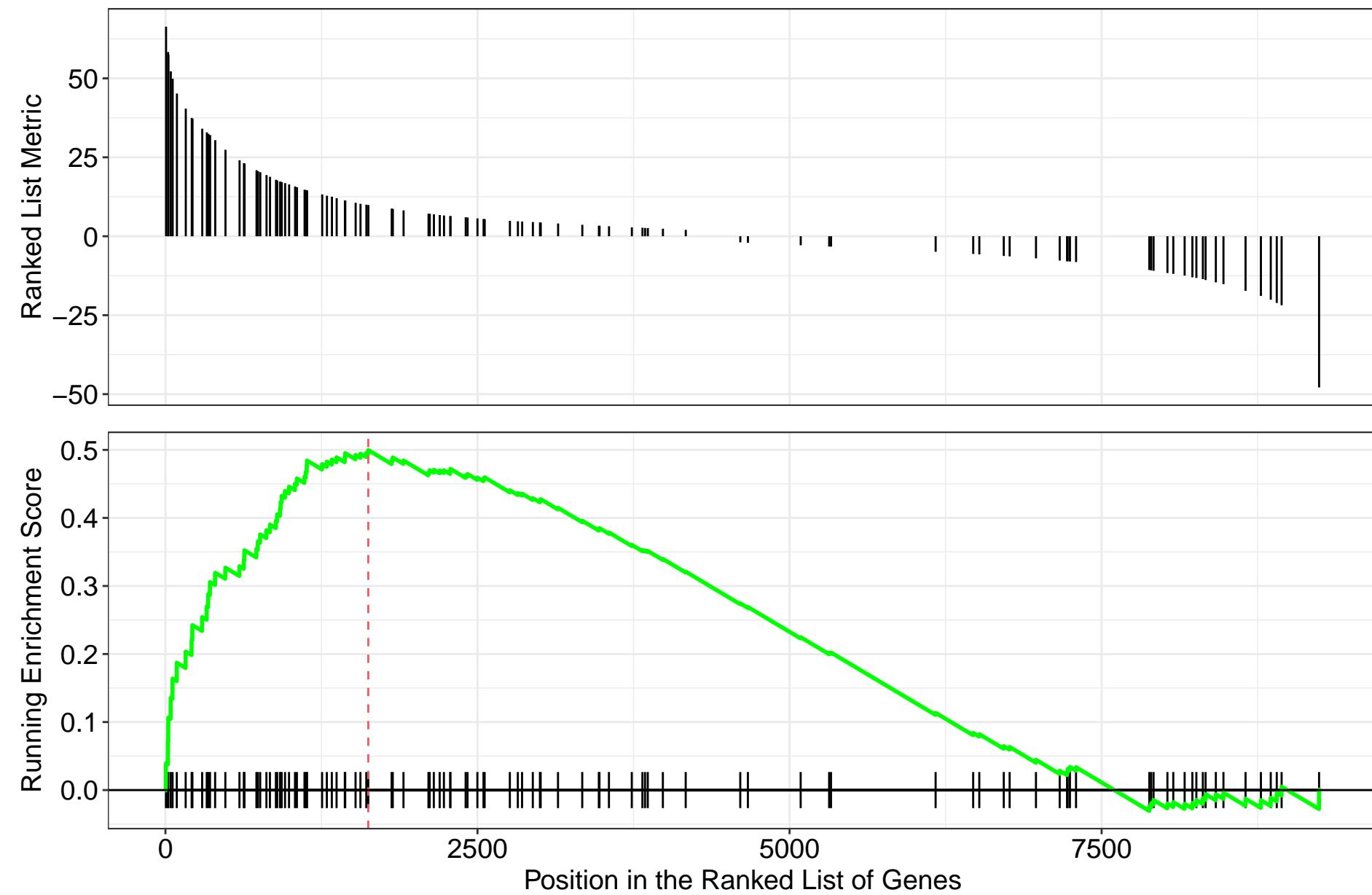
regulation of cell cycle G2/M phase transition



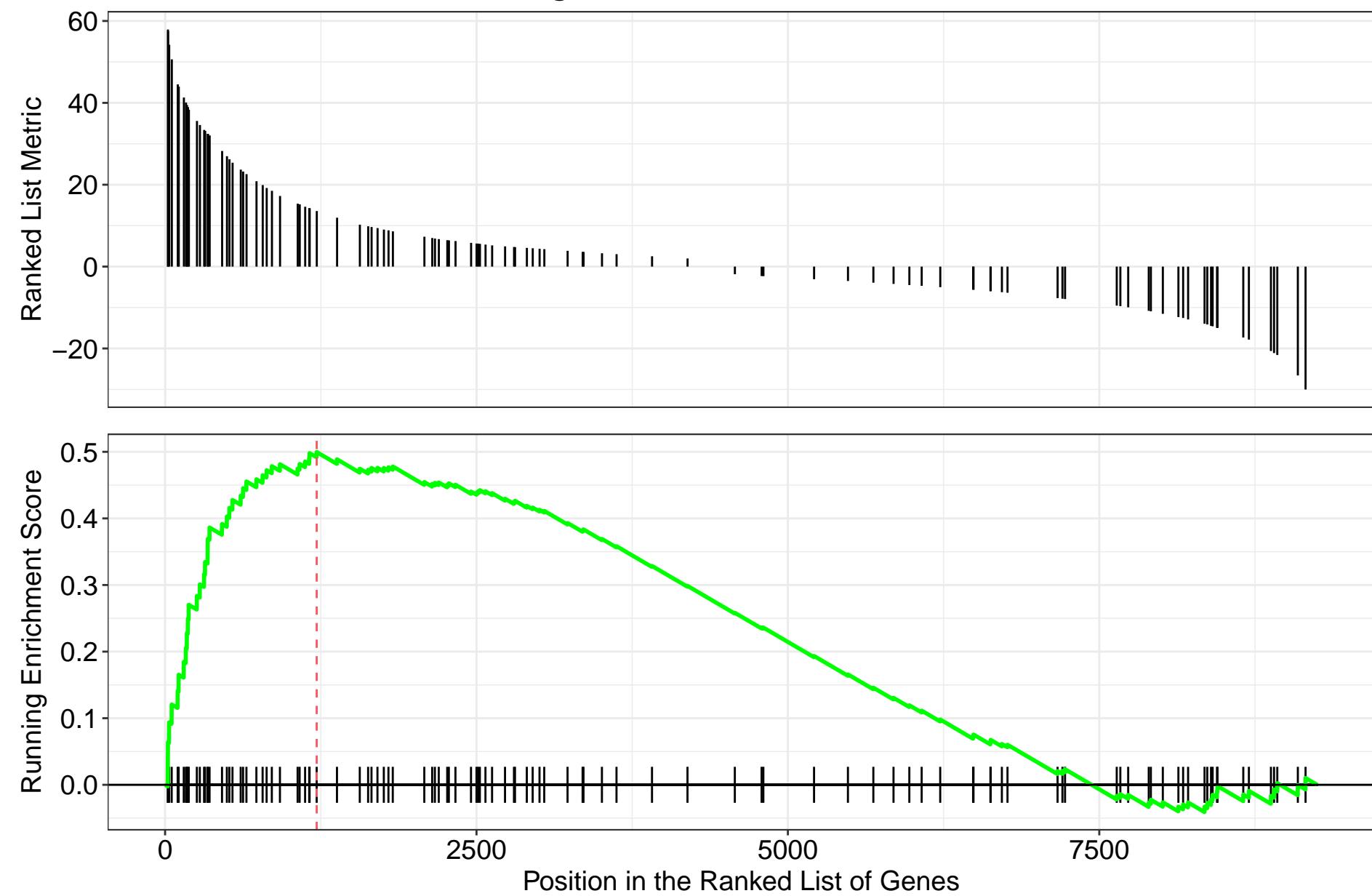
I-kappaB kinase/NF-kappaB signaling



alpha–beta T cell activation



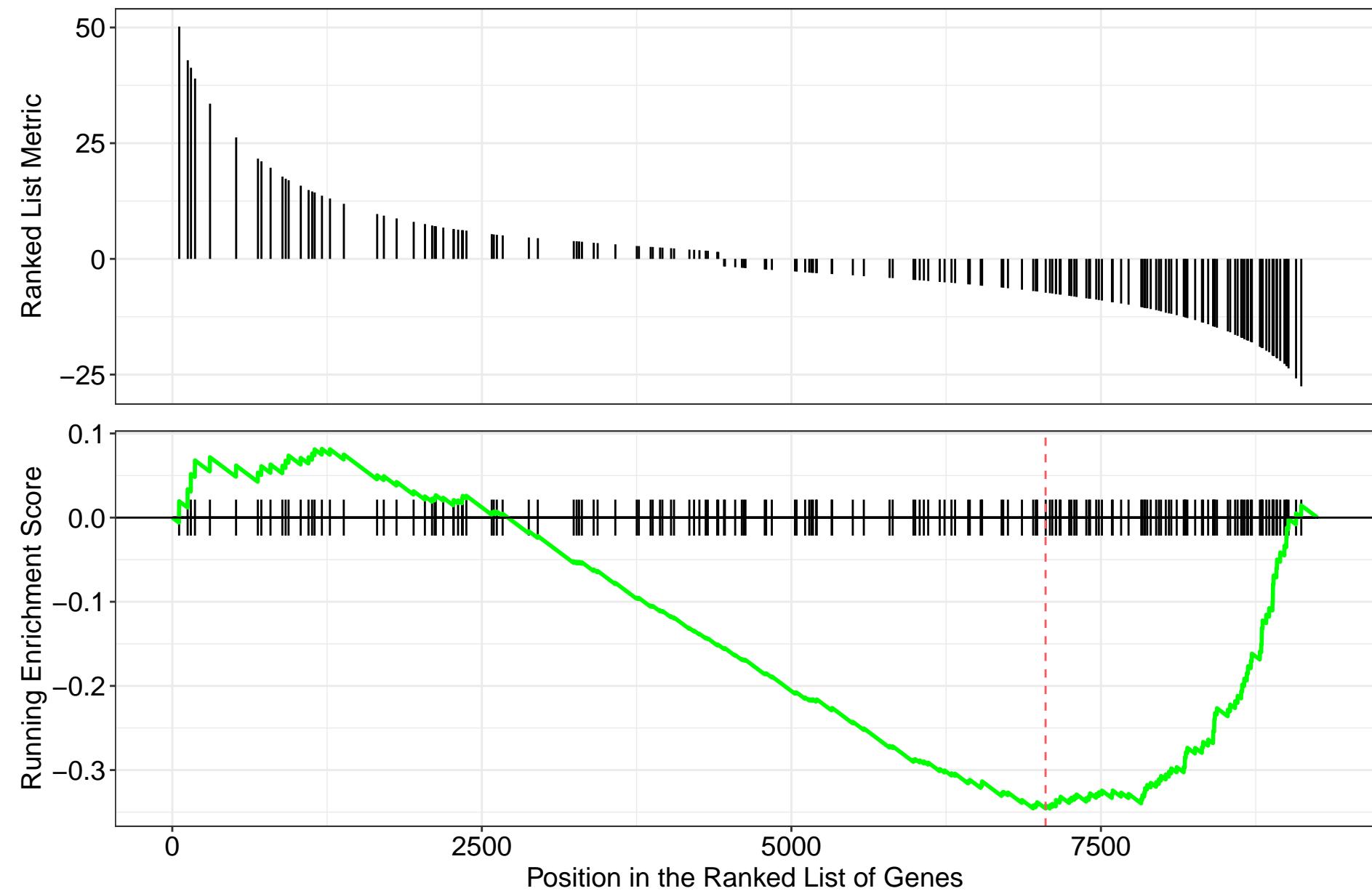
regulation of chemotaxis



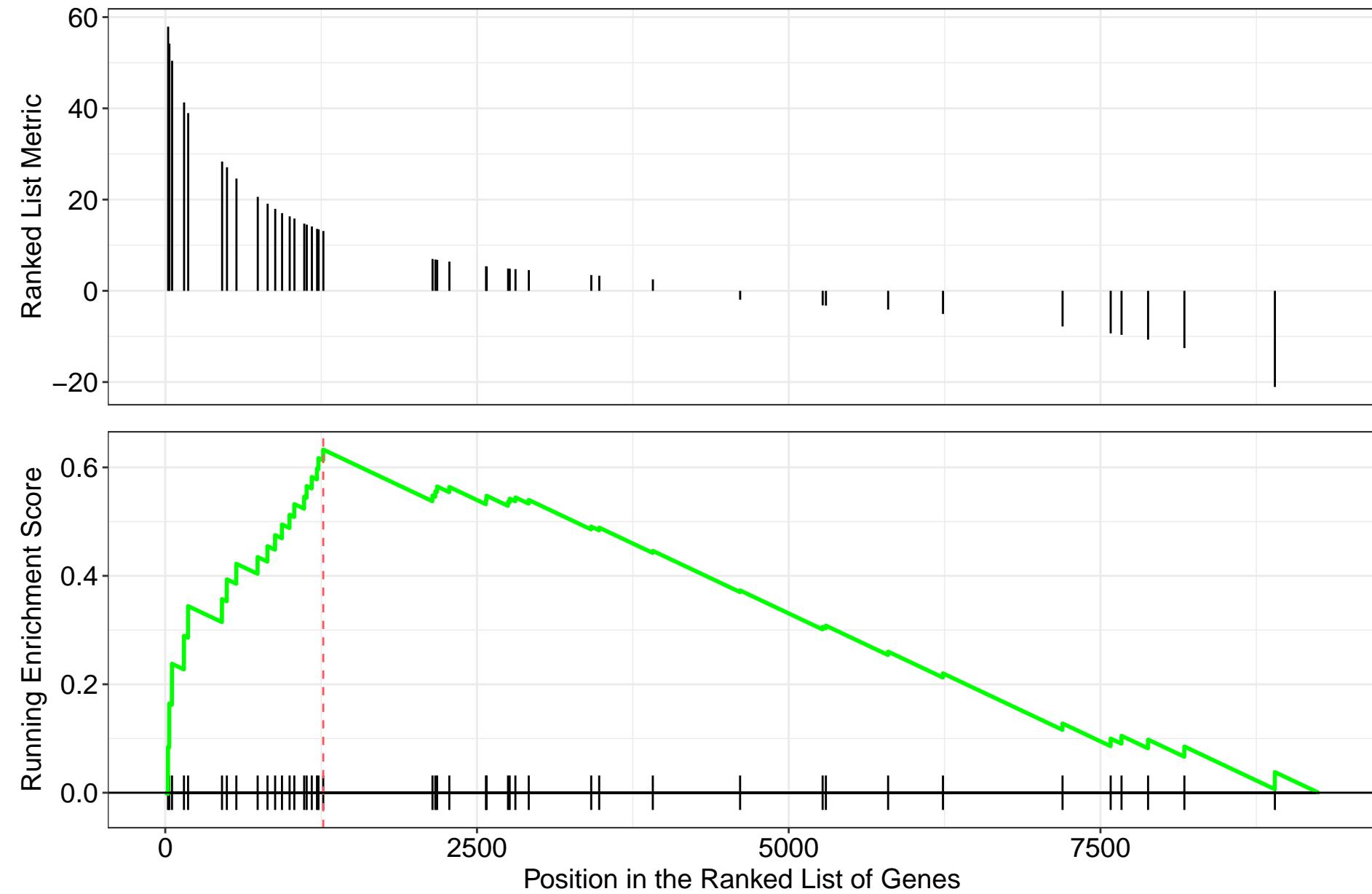
type 2 immune response



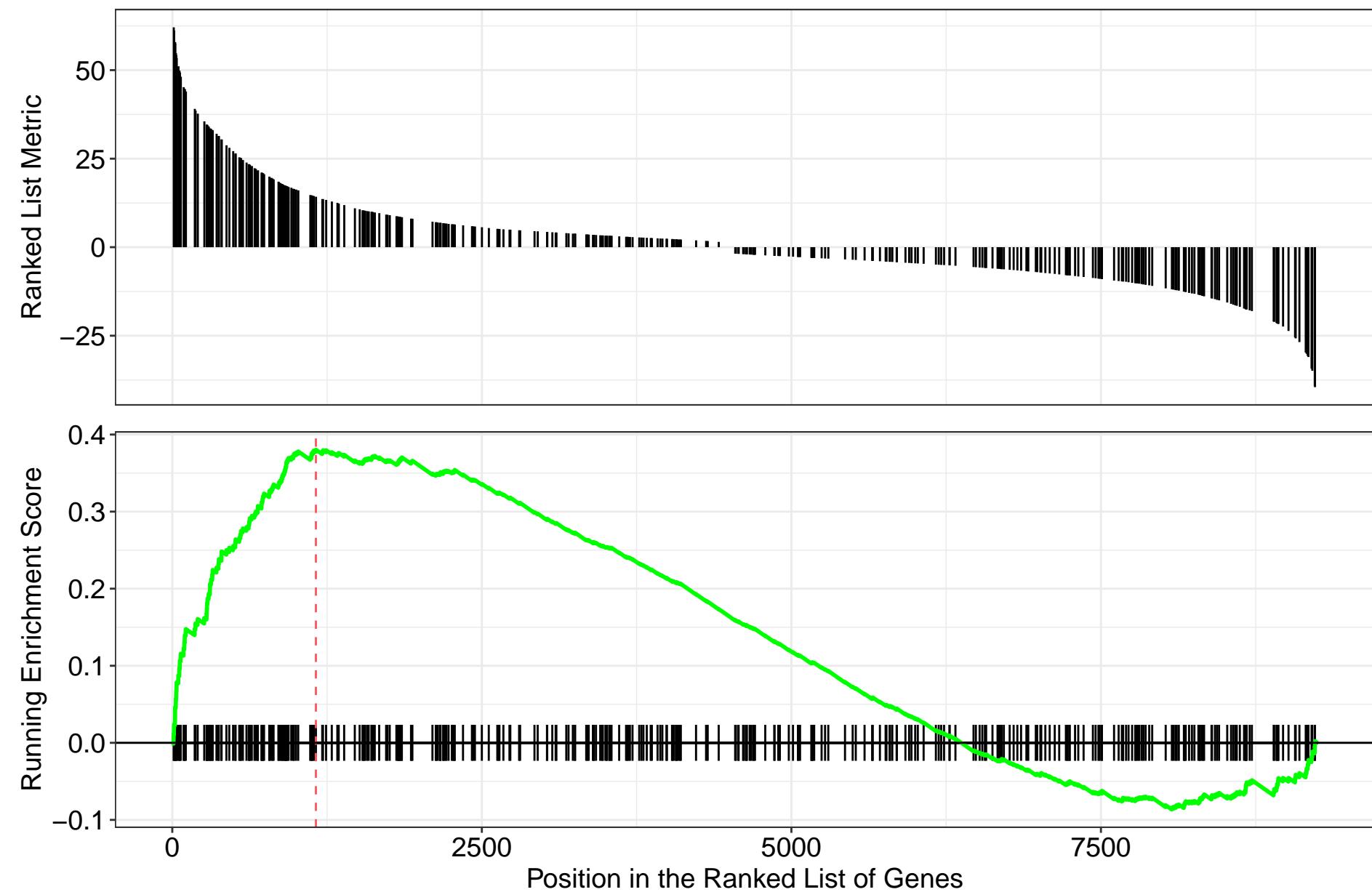
negative regulation of cell cycle process



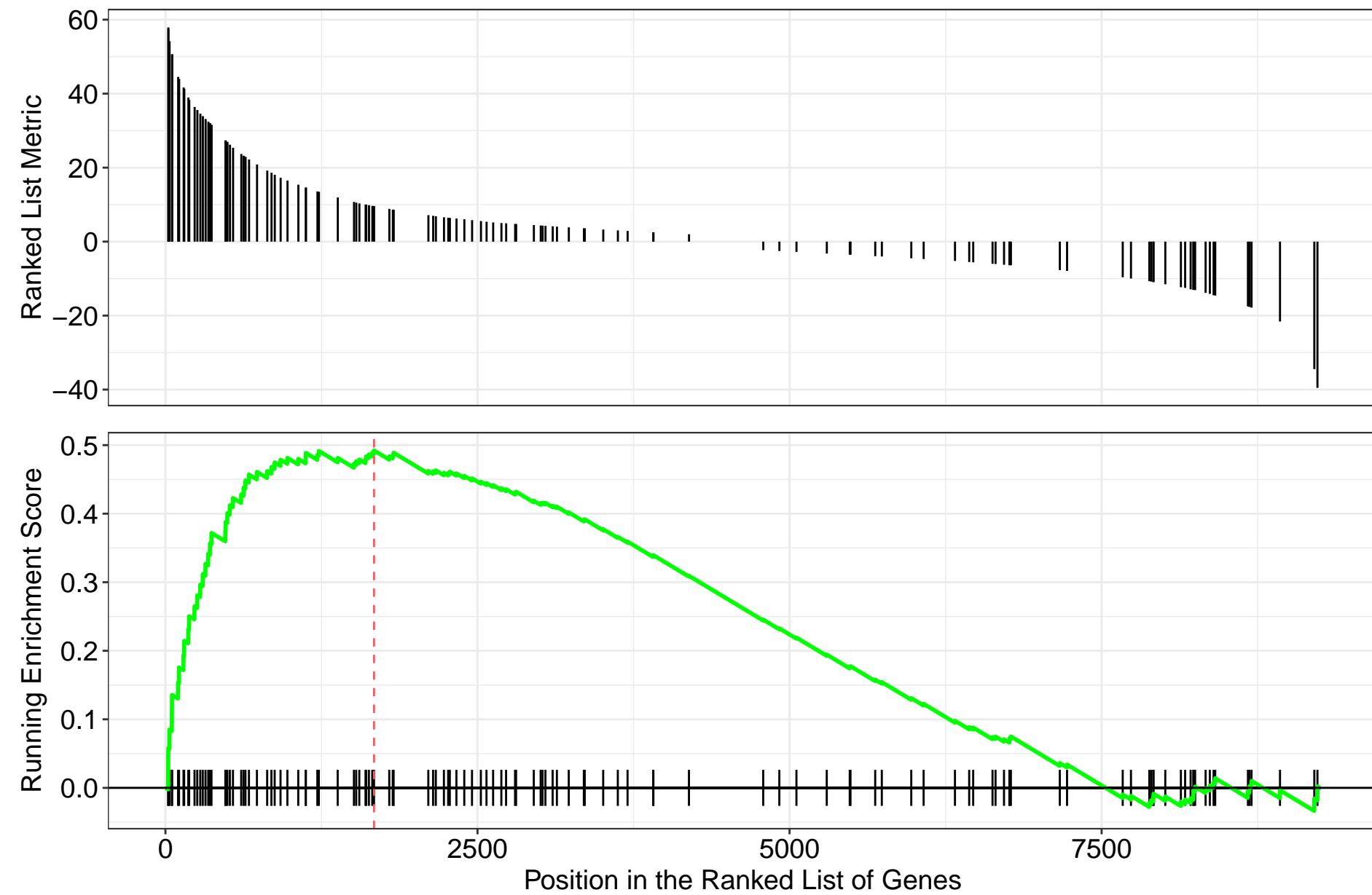
lipopolysaccharide-mediated signaling pathway



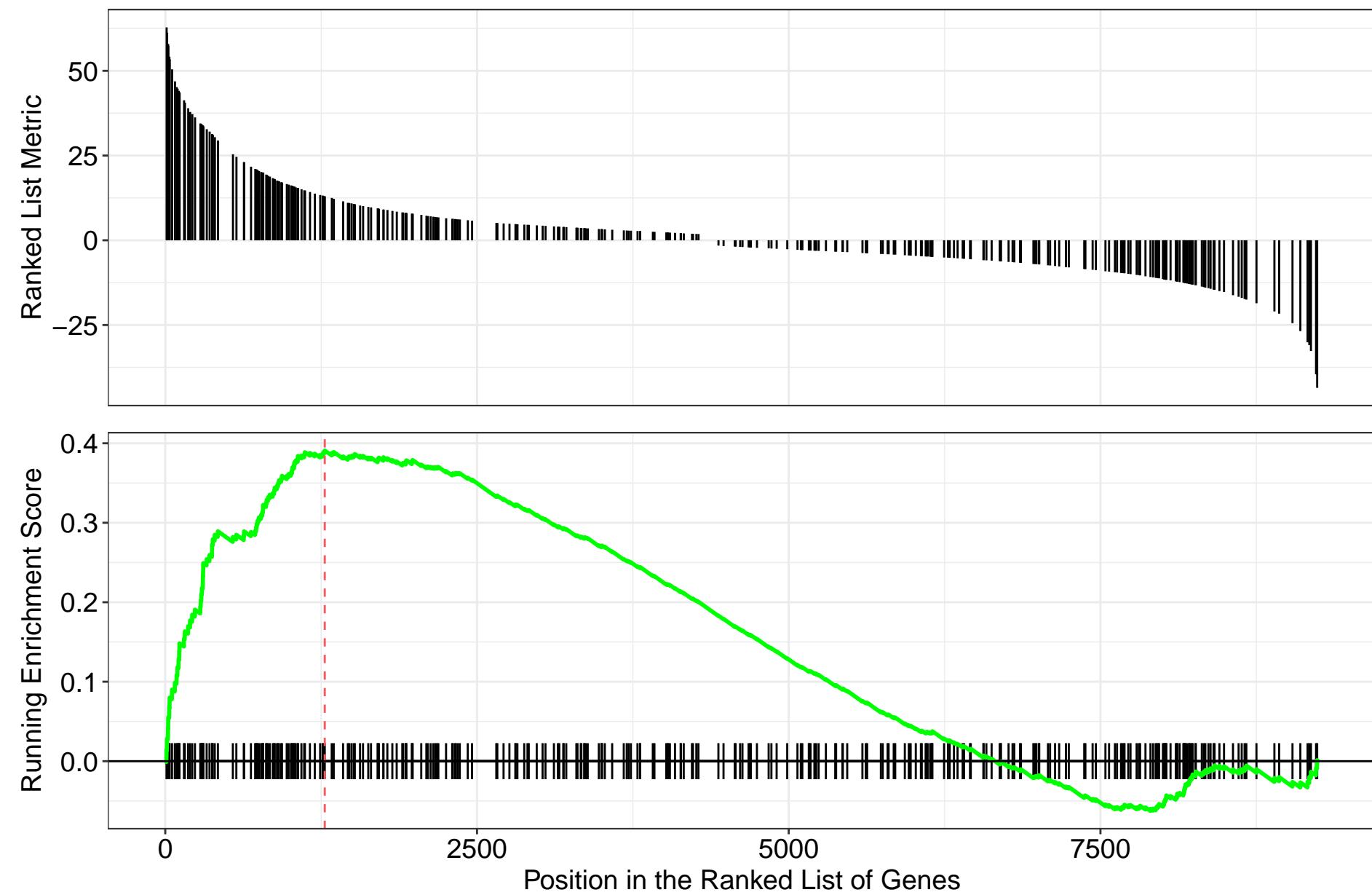
positive regulation of protein phosphorylation



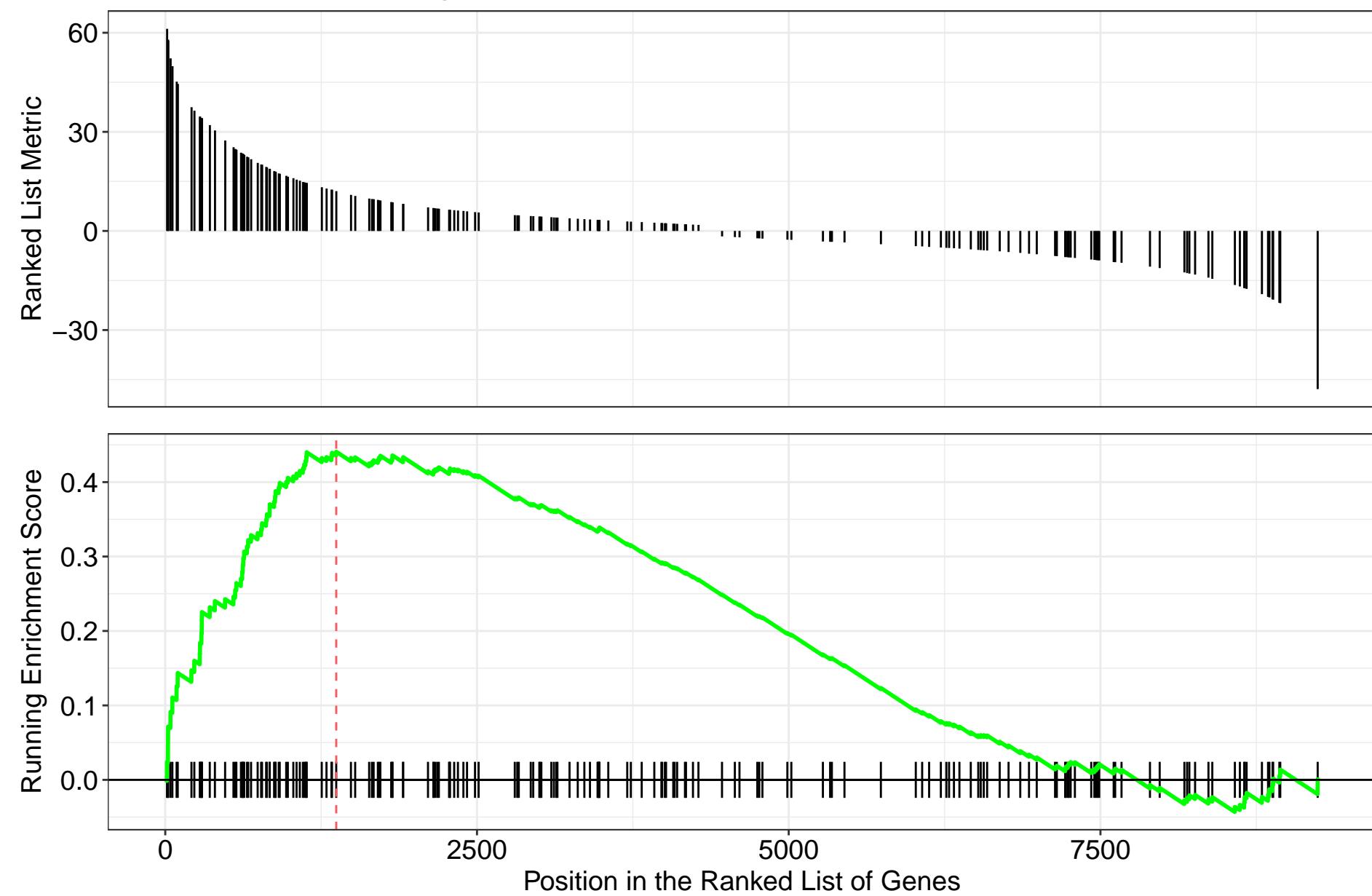
regulation of leukocyte migration



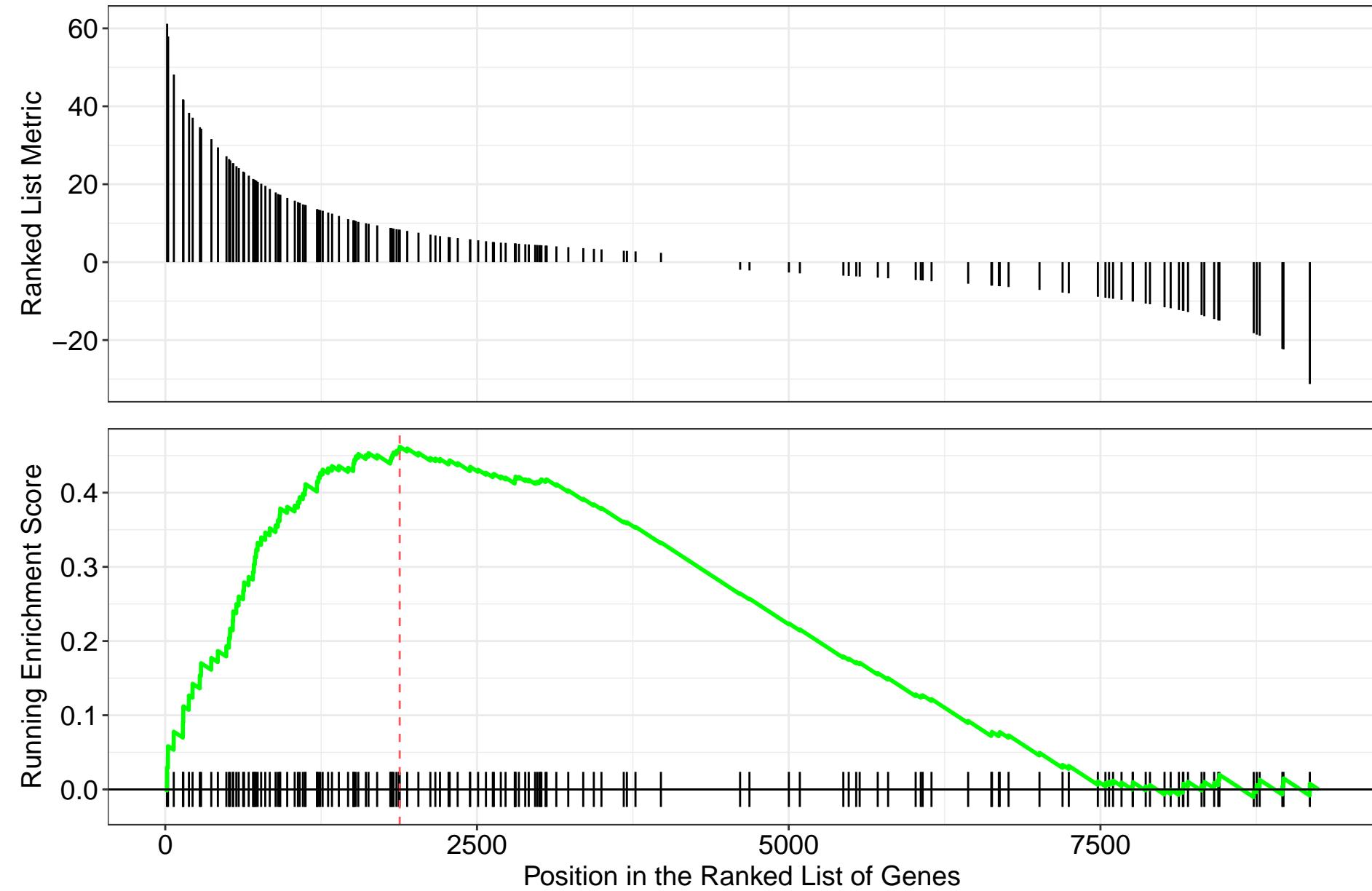
response to organic cyclic compound



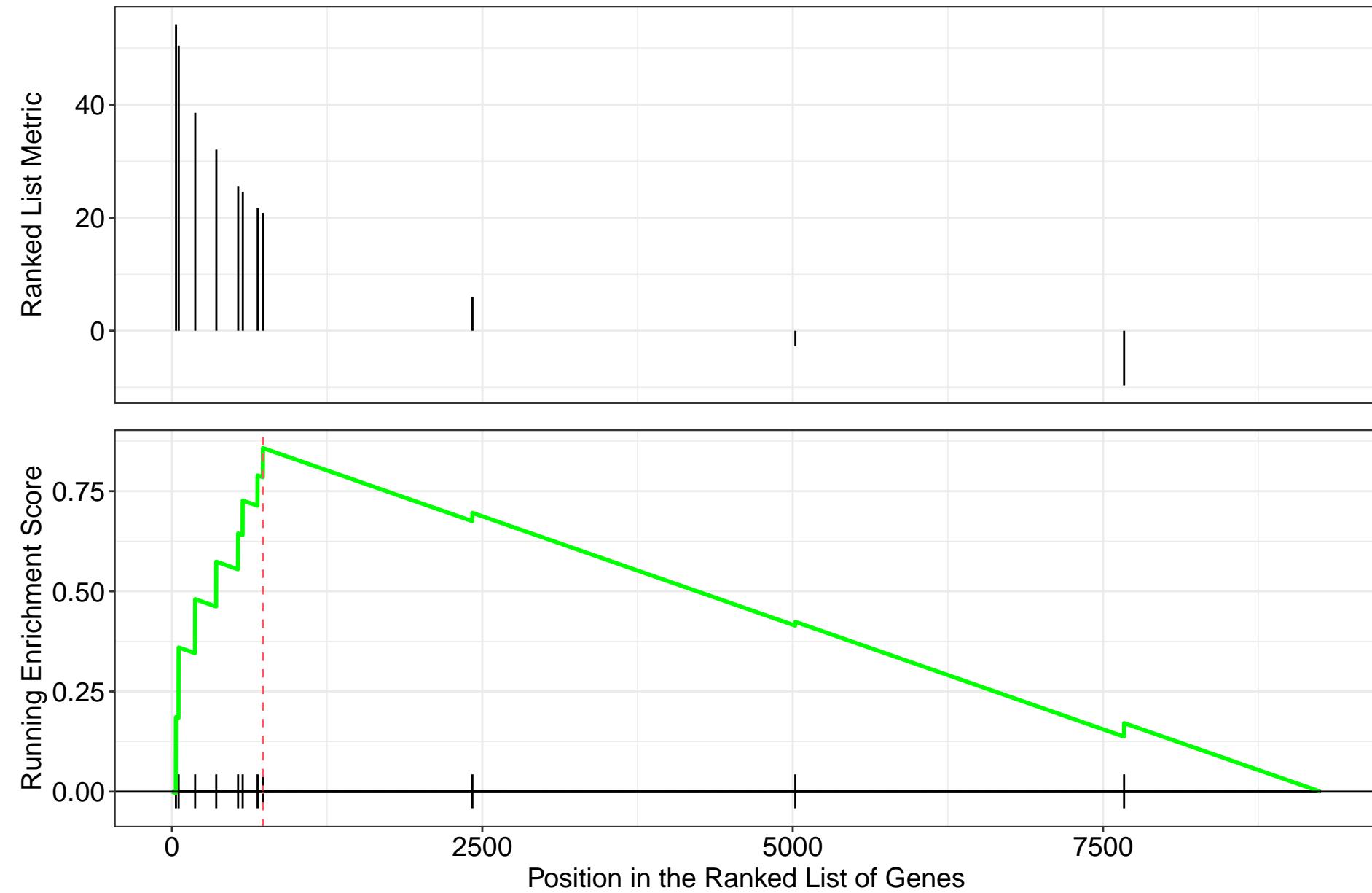
regulation of leukocyte differentiation



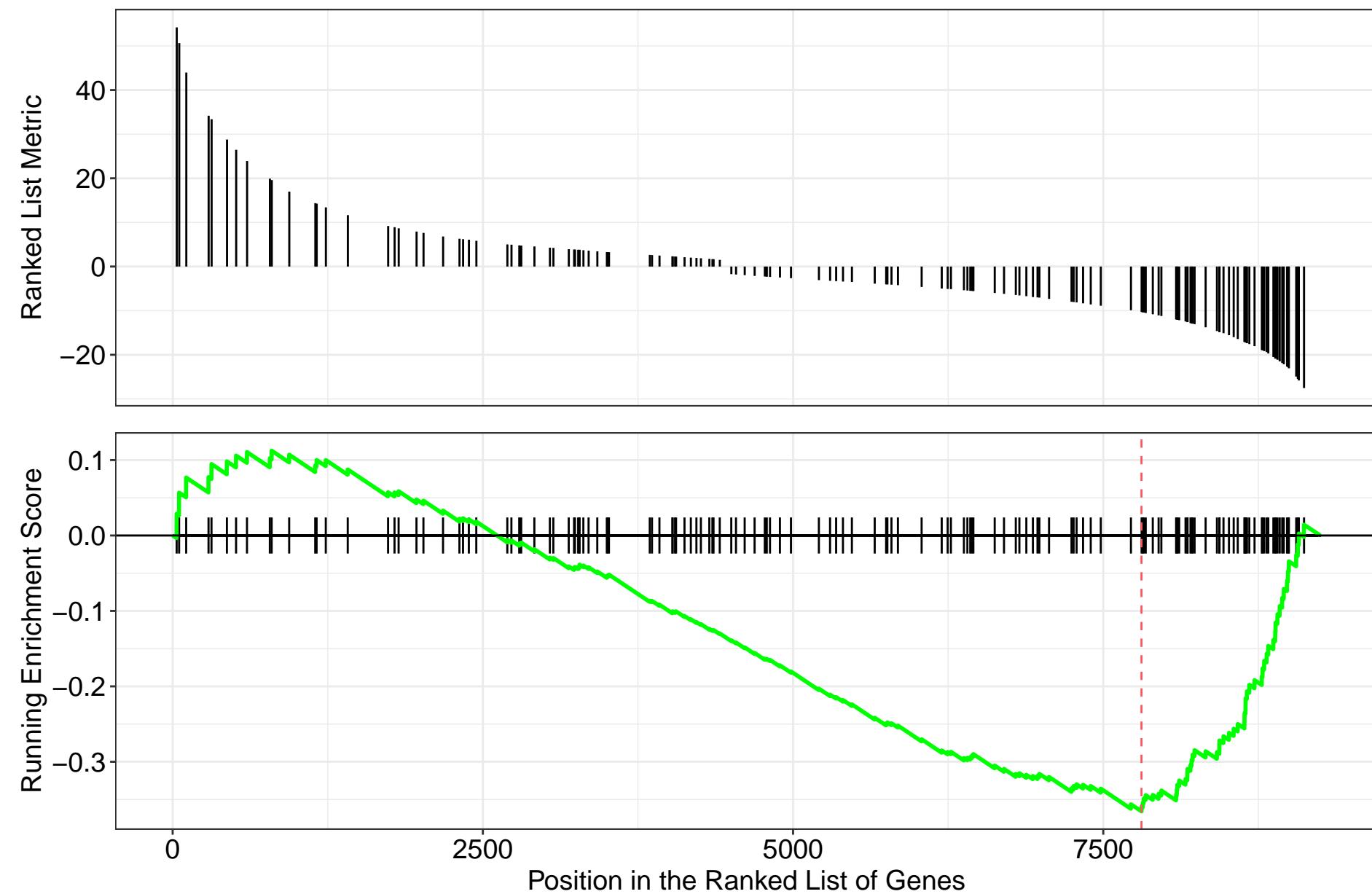
myeloid leukocyte activation



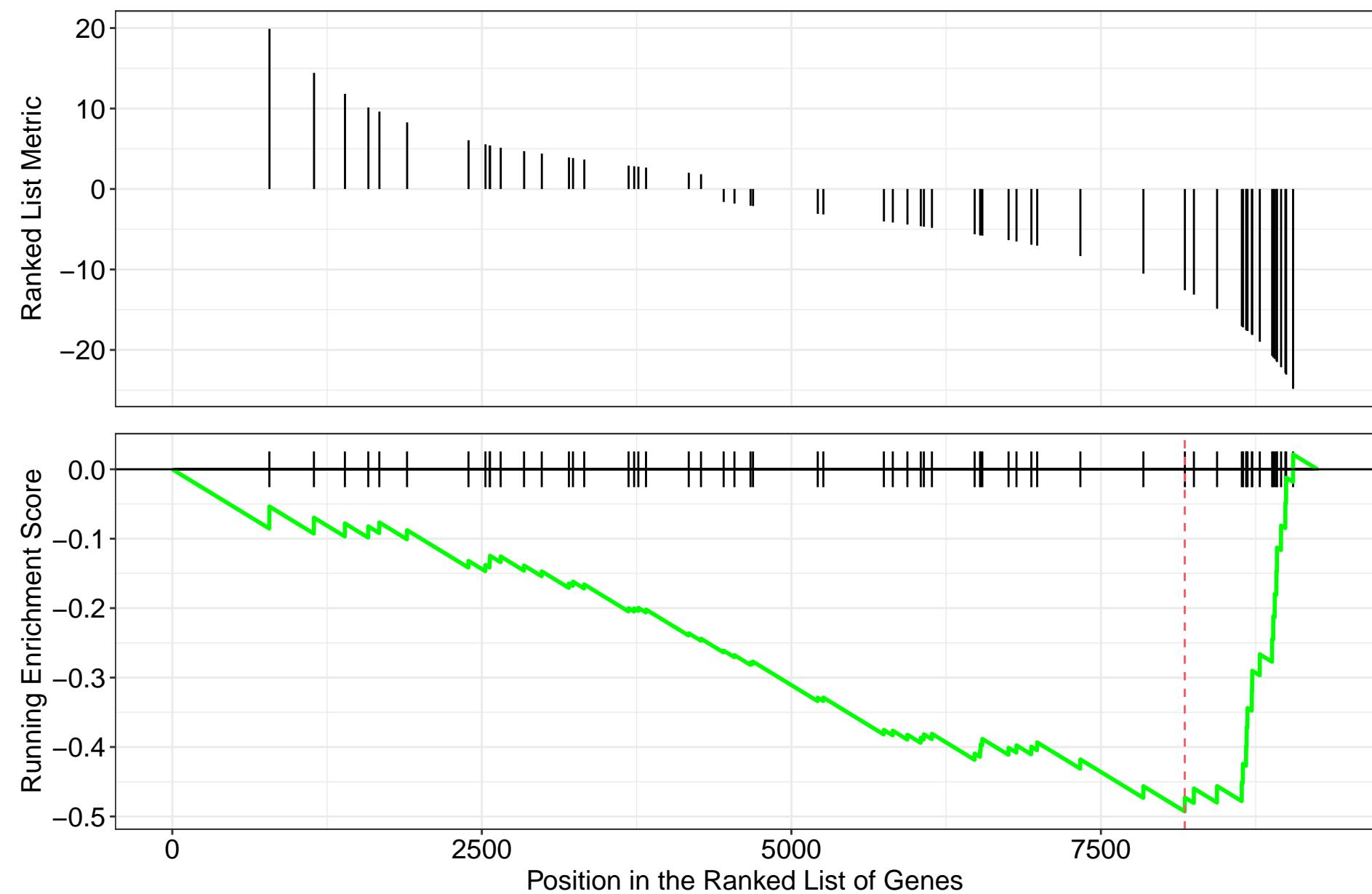
positive regulation of humoral immune response



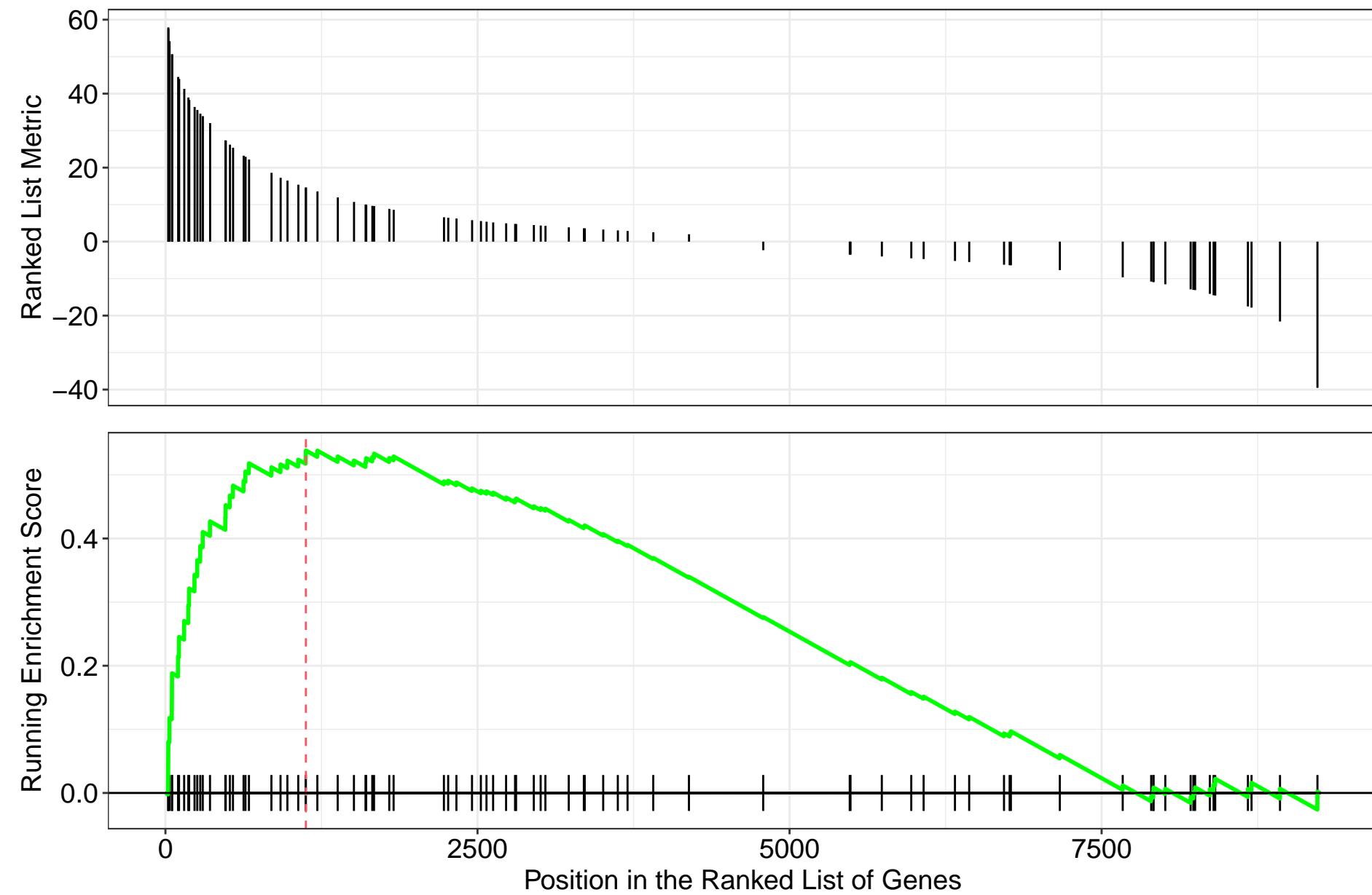
positive regulation of cell cycle process



cytoskeleton–dependent cytokinesis

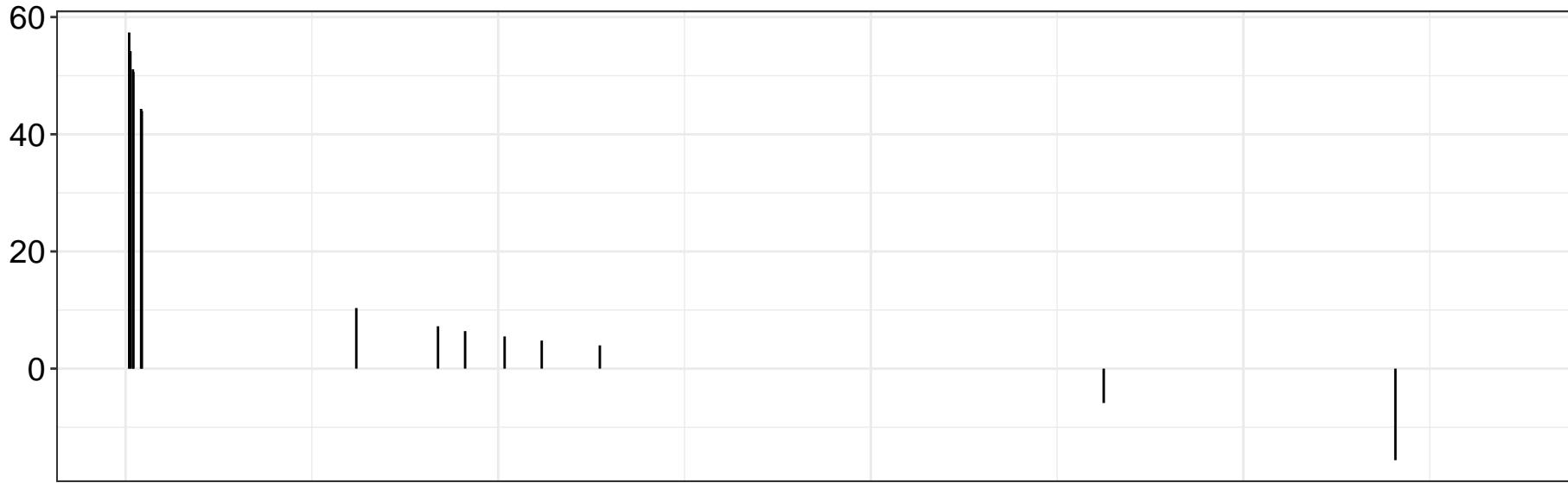


positive regulation of leukocyte migration

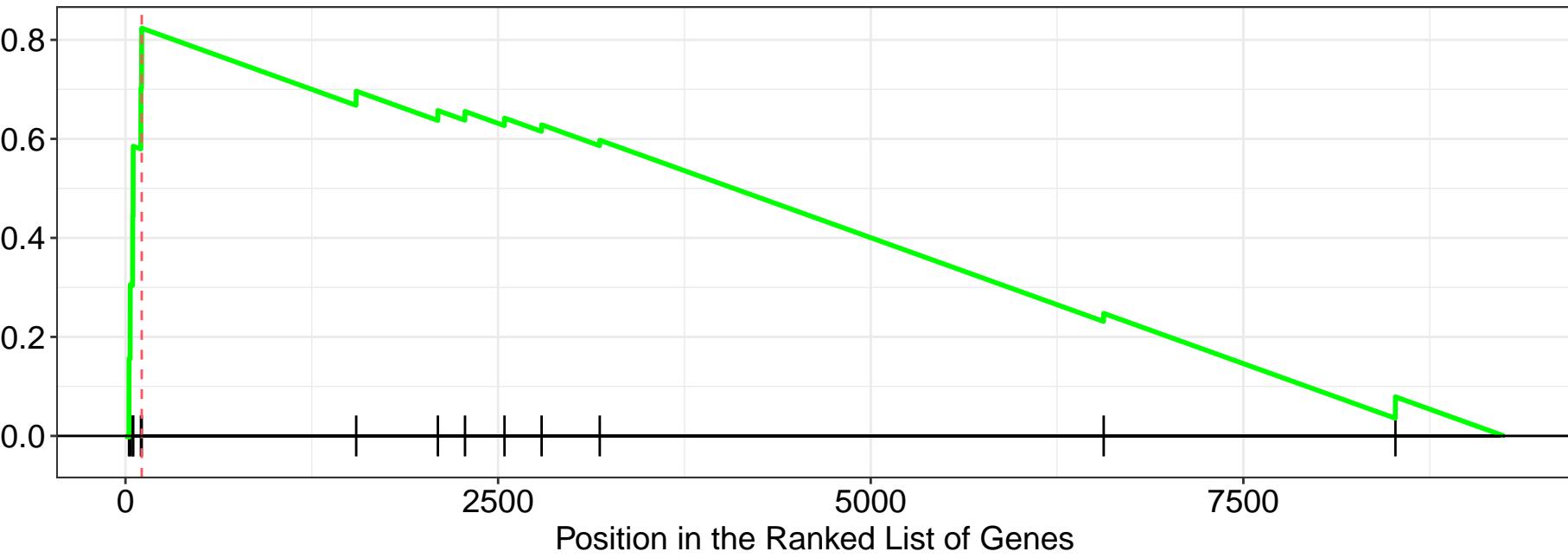


prostaglandin secretion

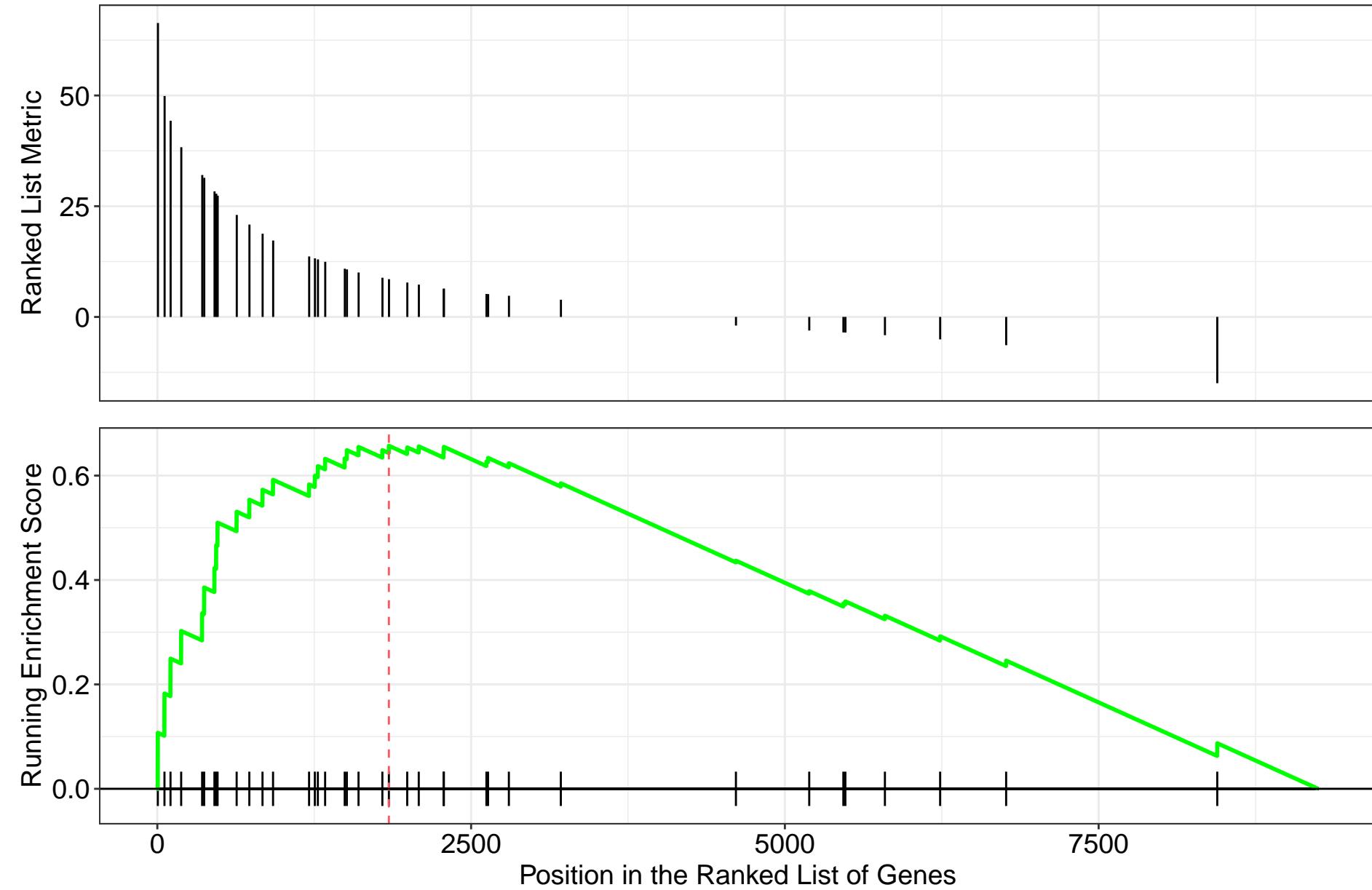
Ranked List Metric



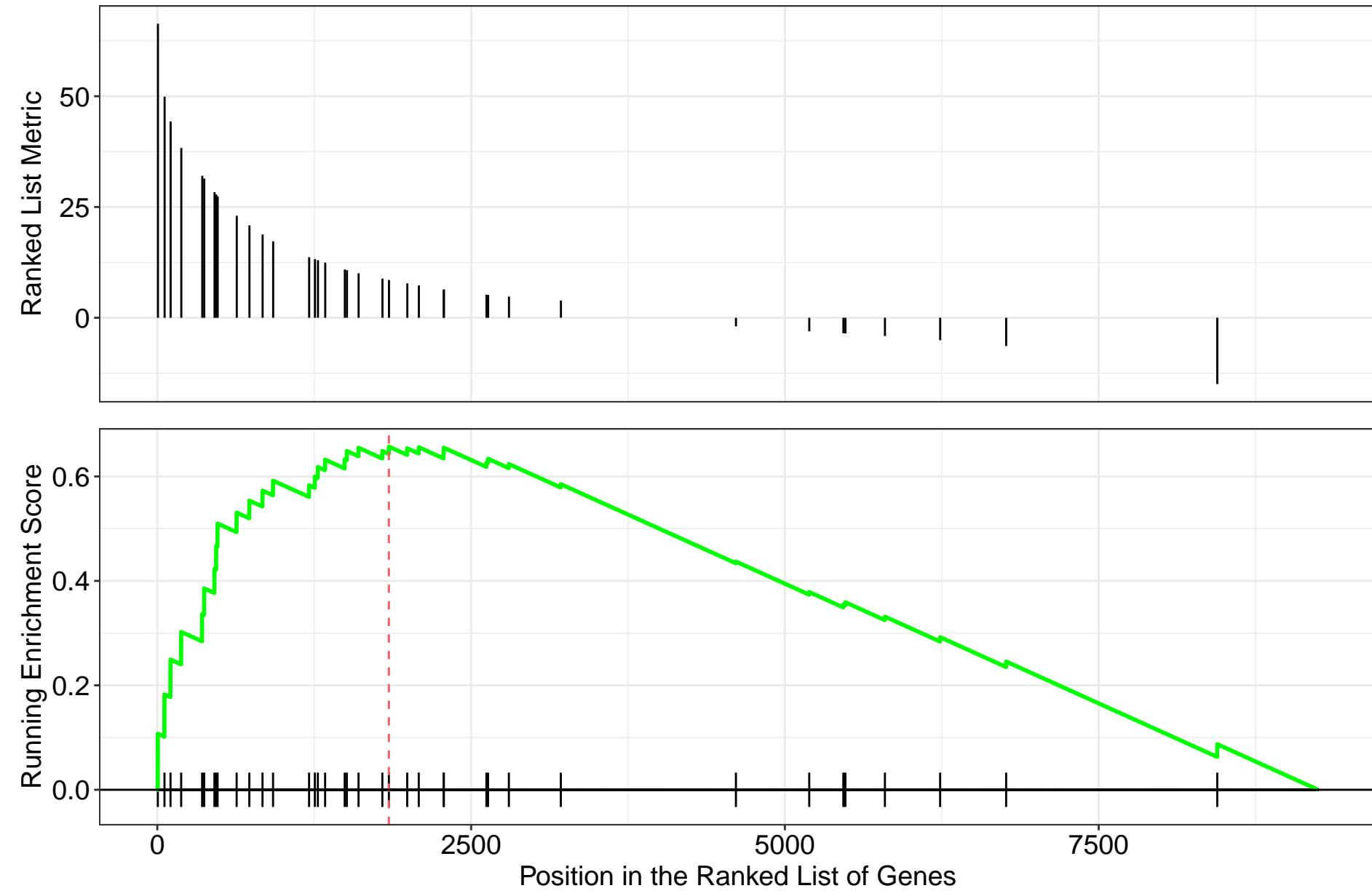
Running Enrichment Score



interleukin–12 production

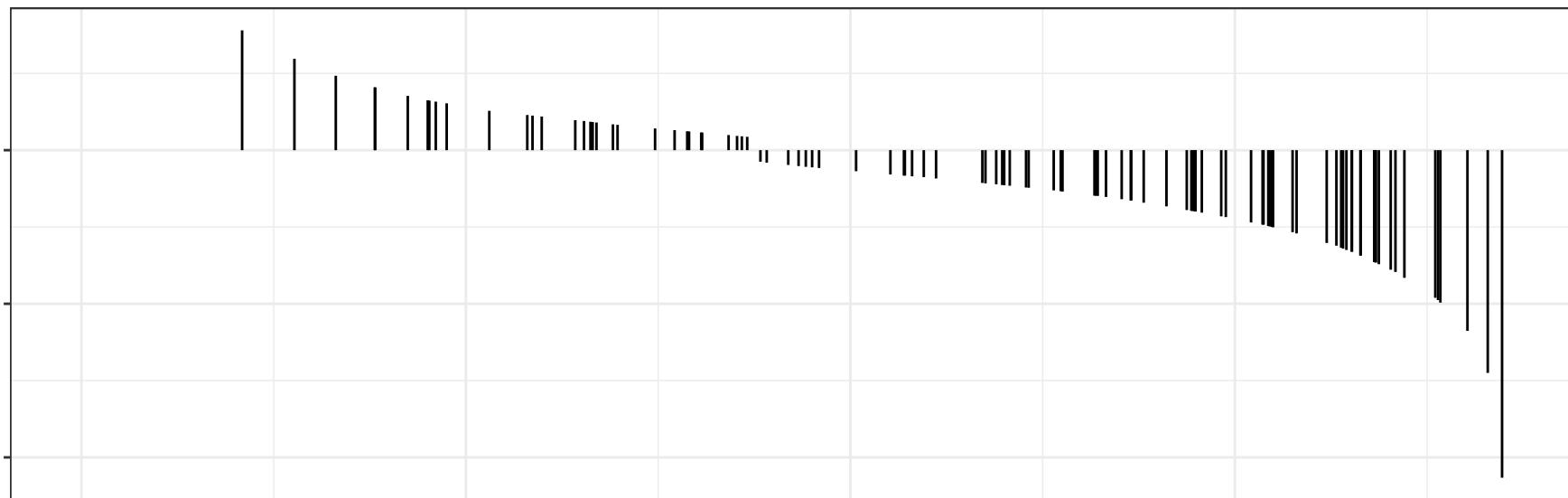


regulation of interleukin-12 production



recombinational repair

Ranked List Metric



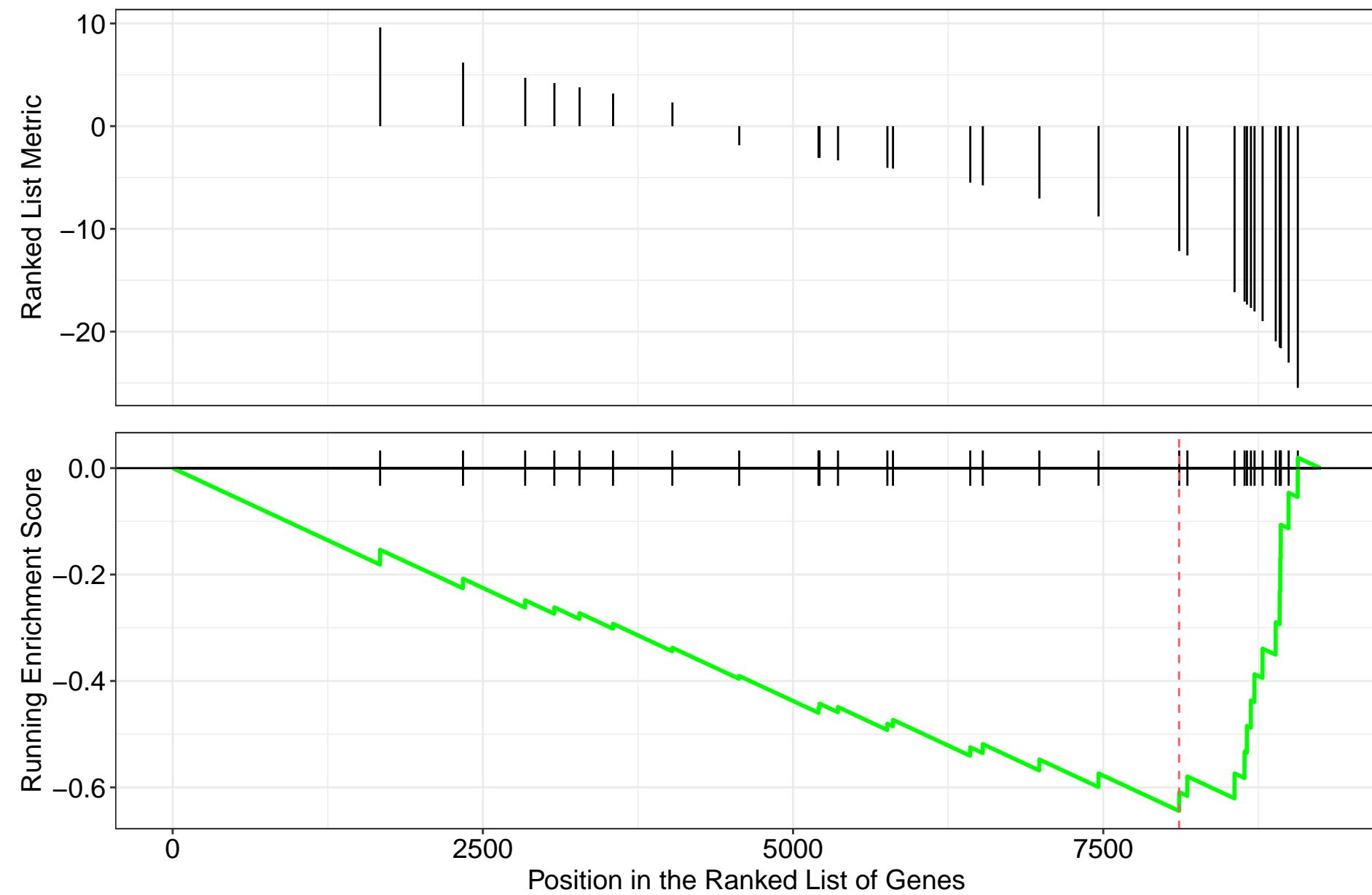
Running Enrichment Score

0 2500 5000 7500

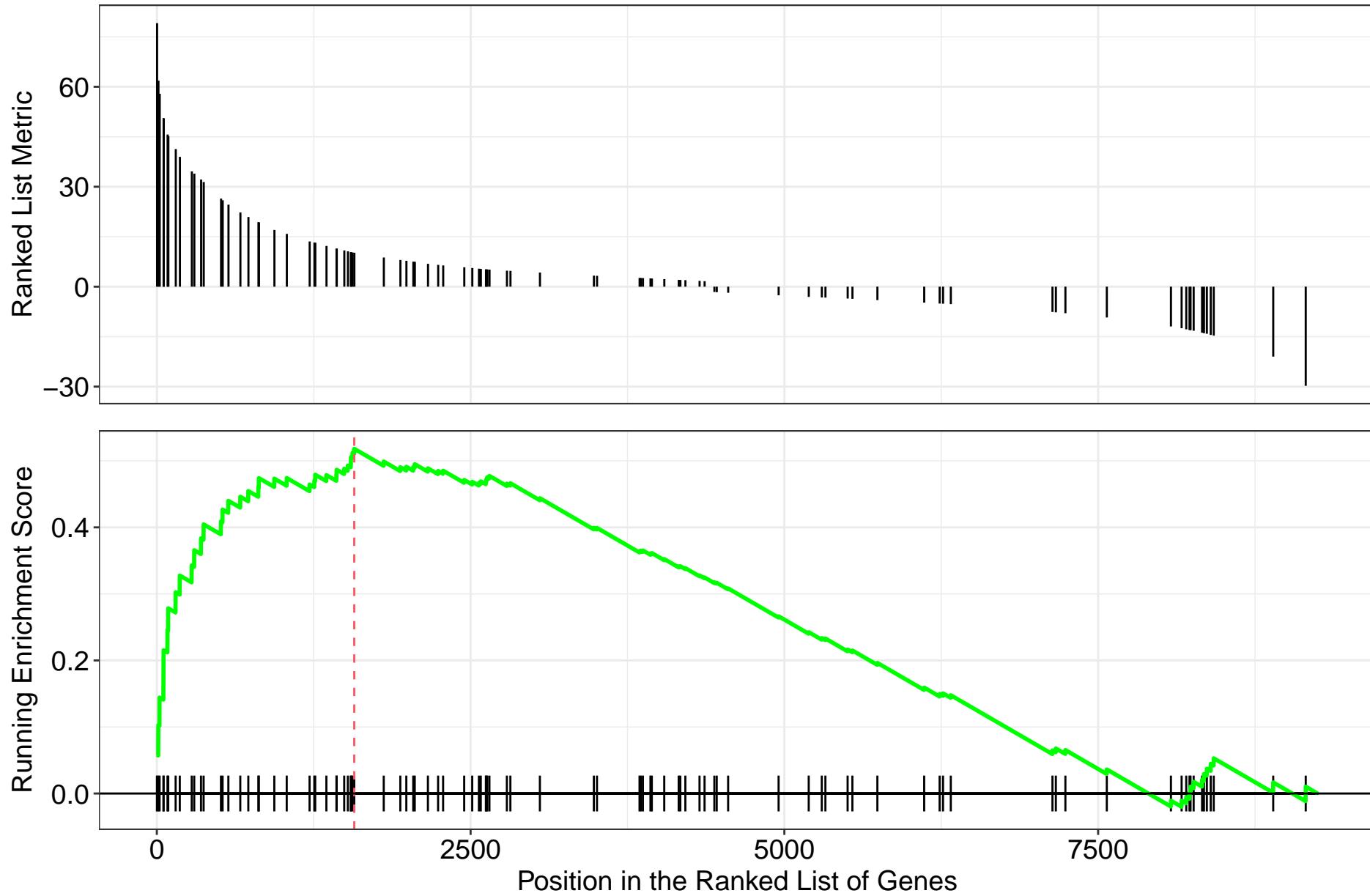
Position in the Ranked List of Genes



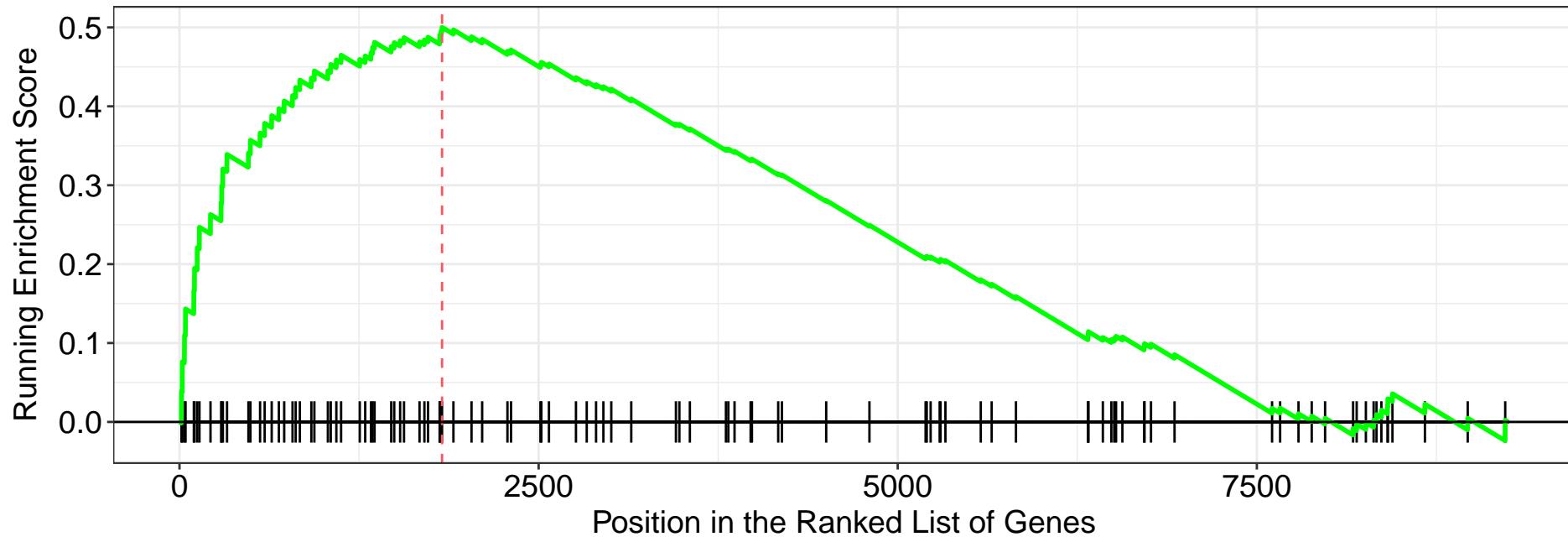
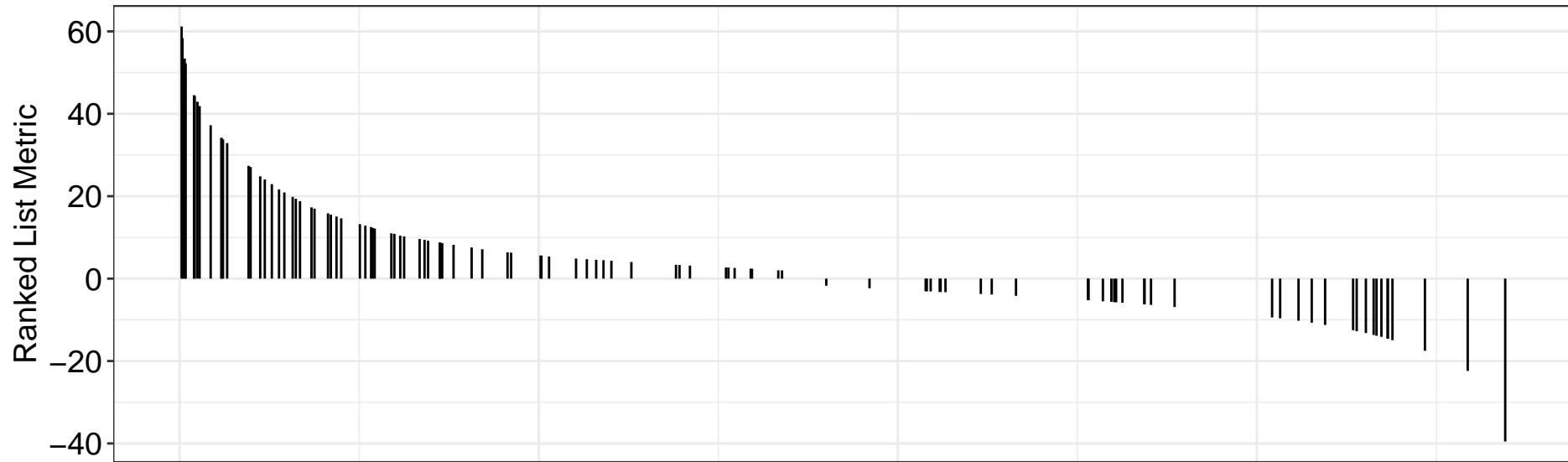
mitotic metaphase plate congression



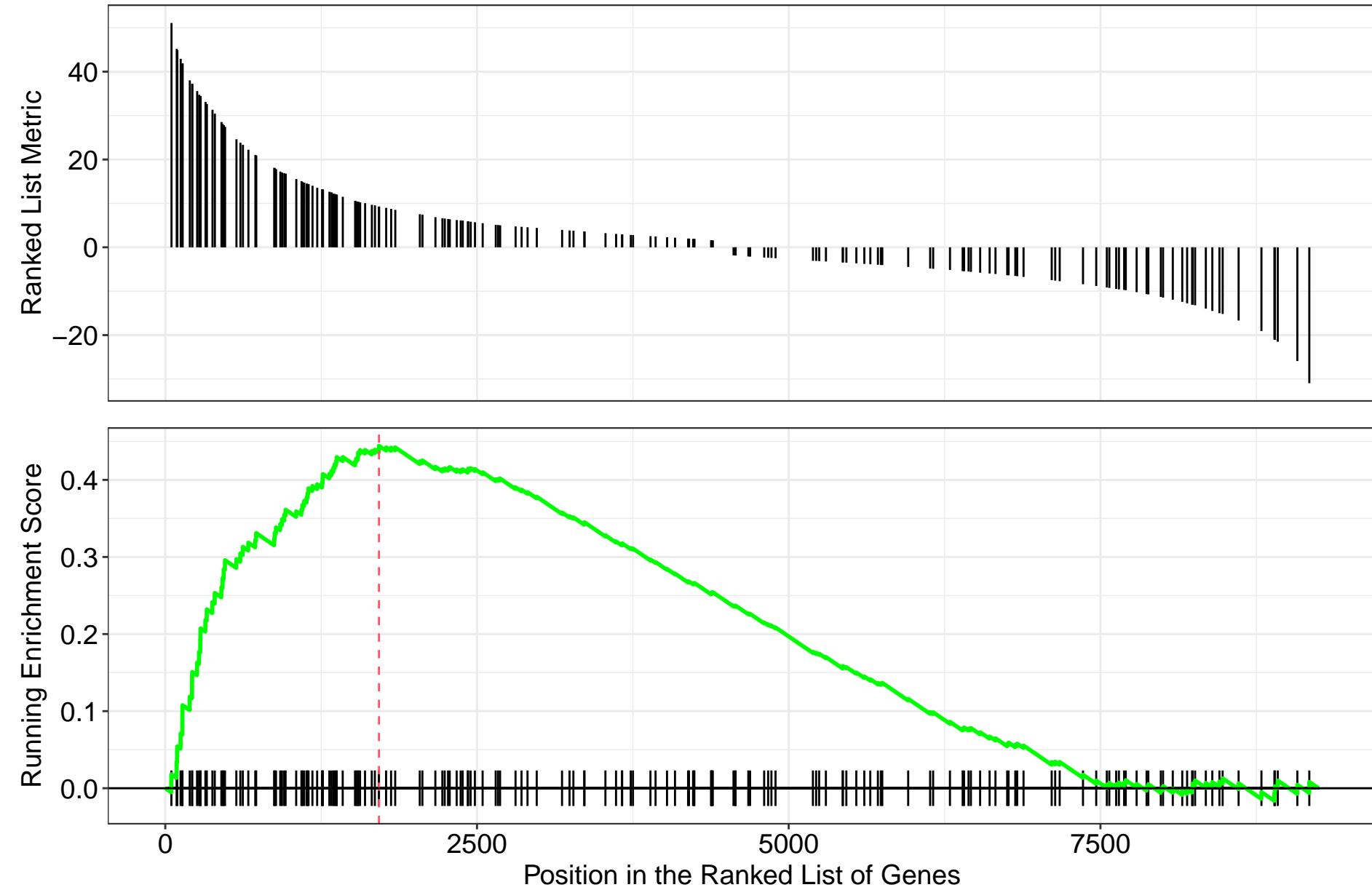
cellular response to tumor necrosis factor



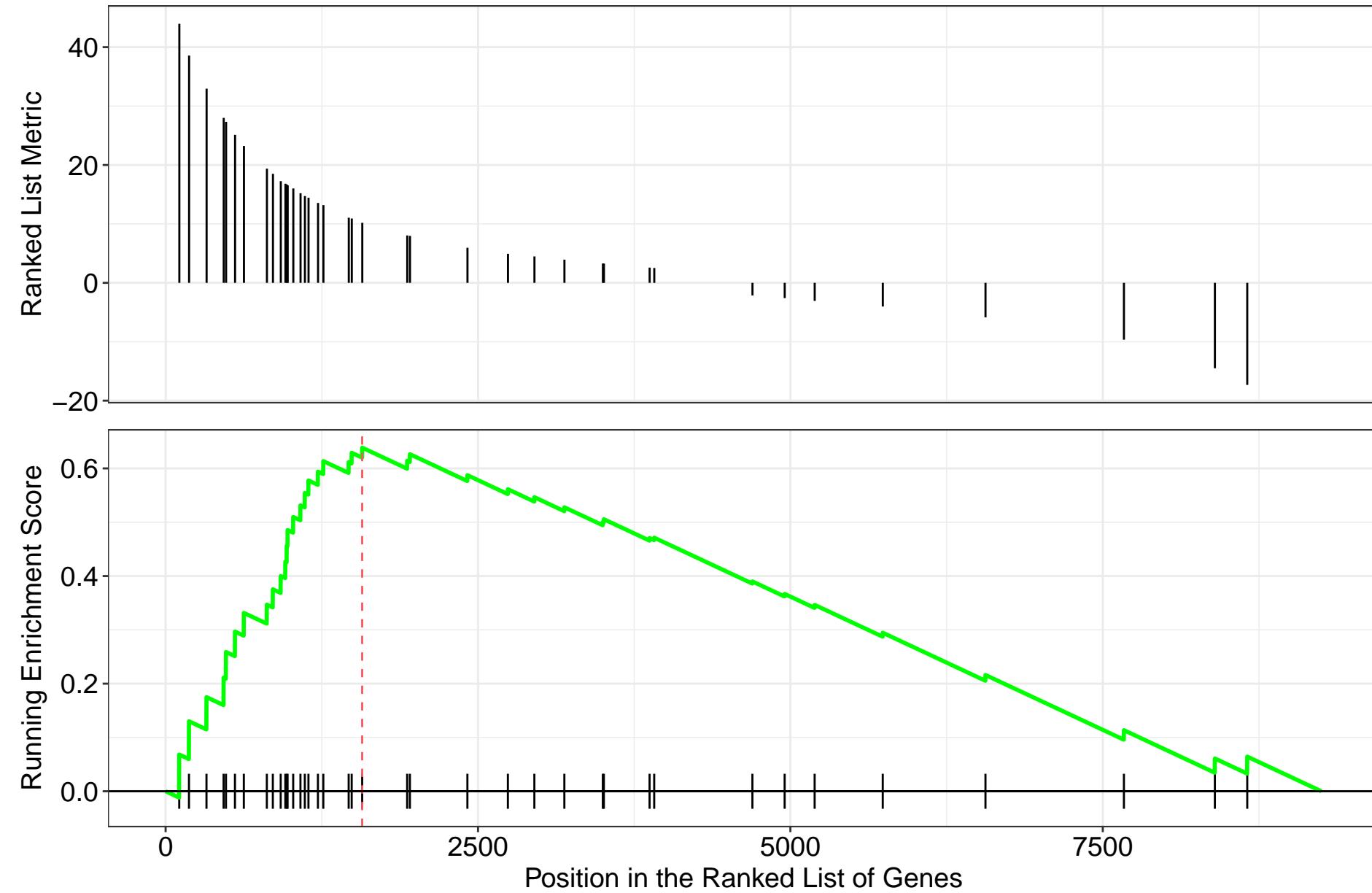
negative regulation of cell–cell adhesion



regulation of endopeptidase activity

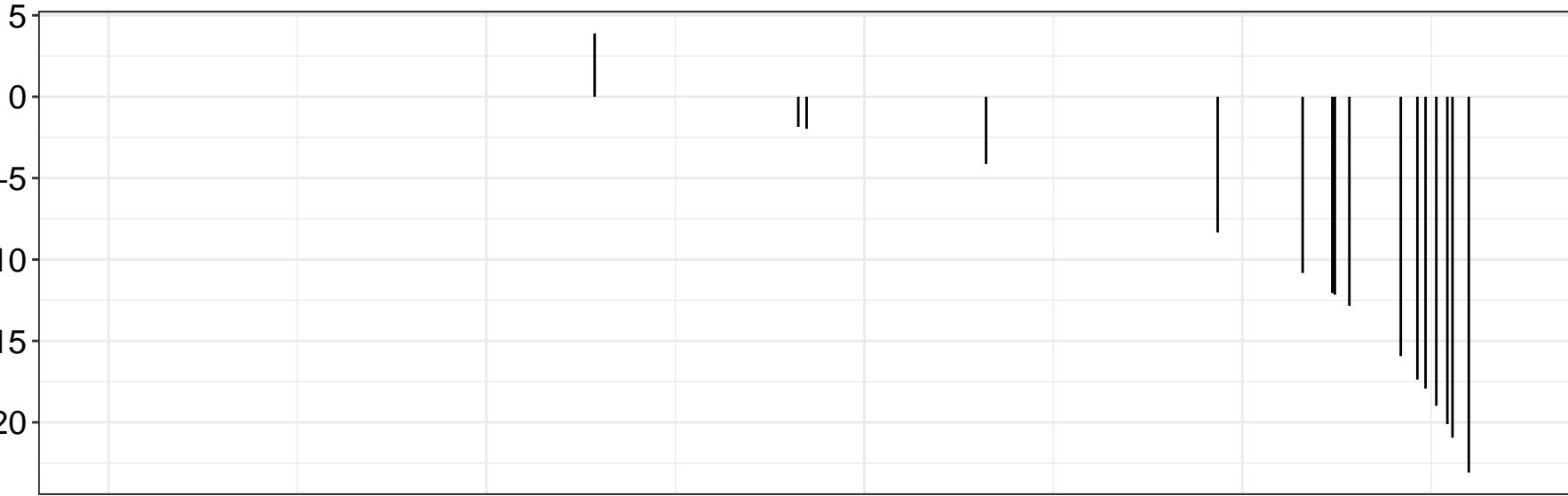


positive regulation of cytokine-mediated signaling pathway



kinetochore organization

Ranked List Metric



Running Enrichment Score

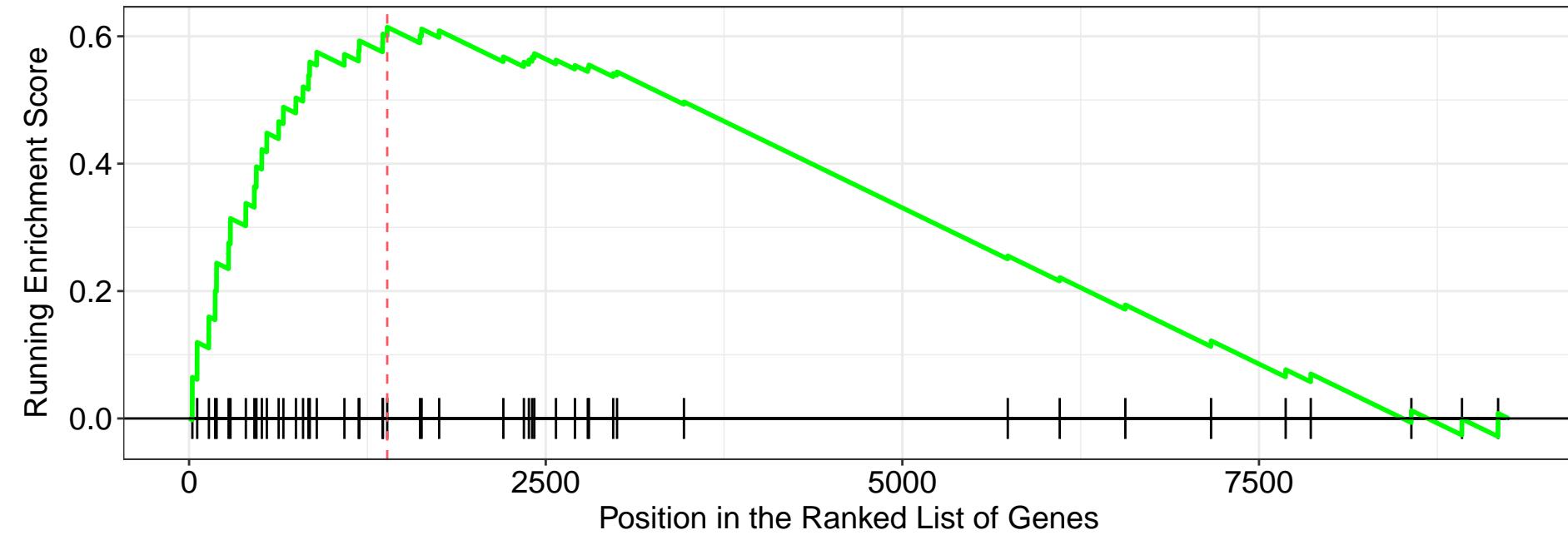
Position in the Ranked List of Genes

0 2500 5000 7500

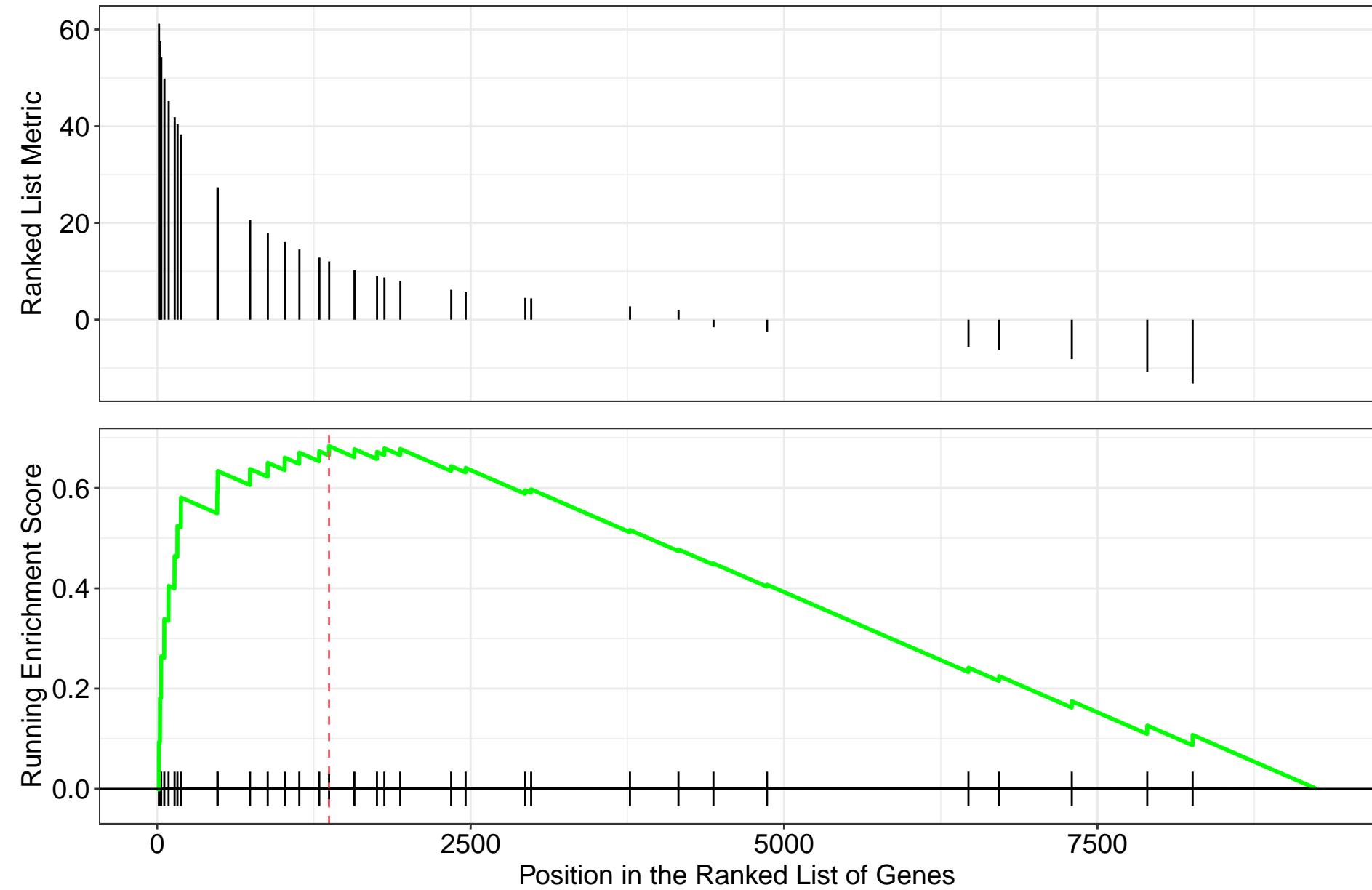
Position in the Ranked List of Genes



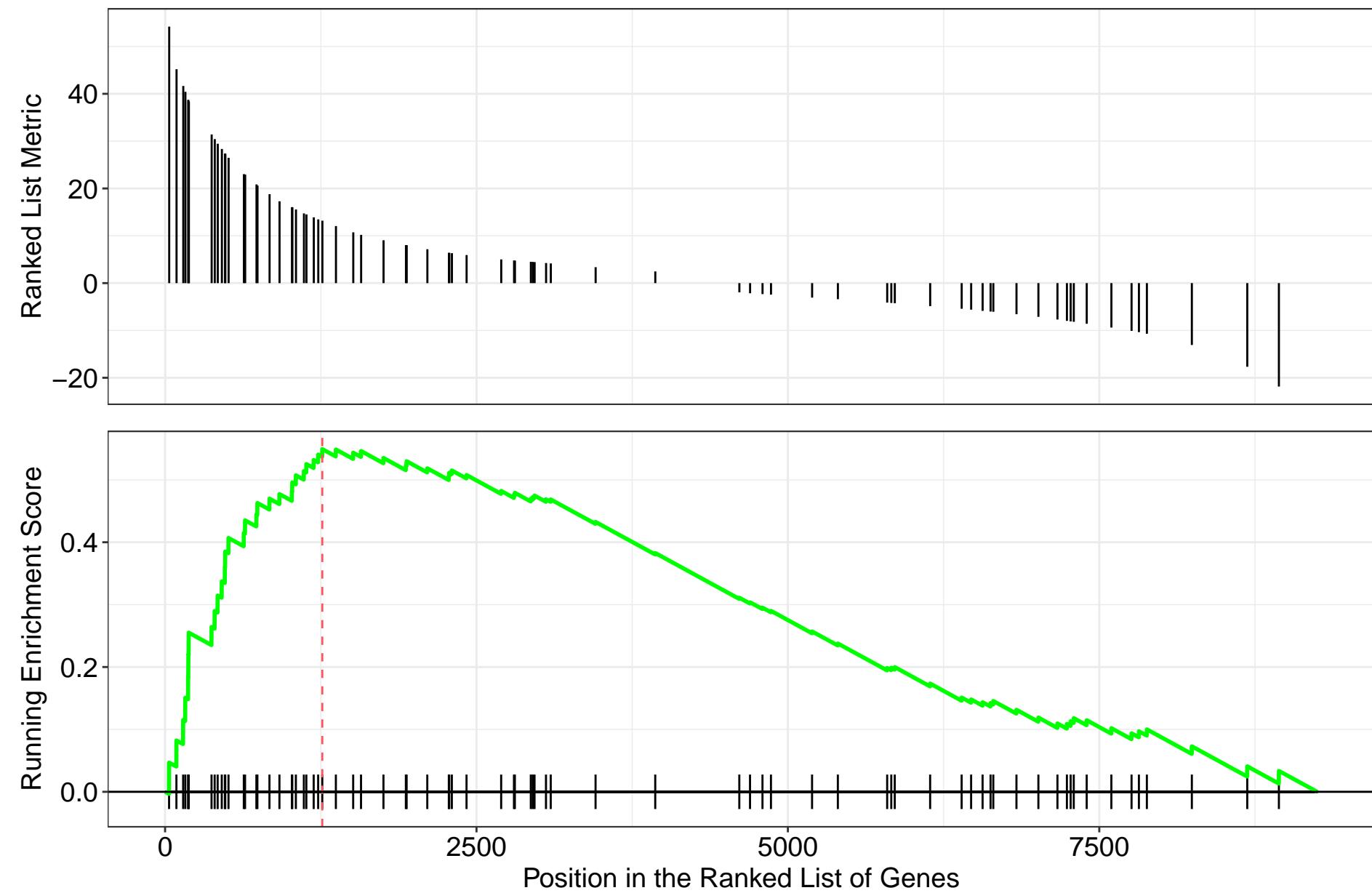
positive regulation of leukocyte mediated cytotoxicity



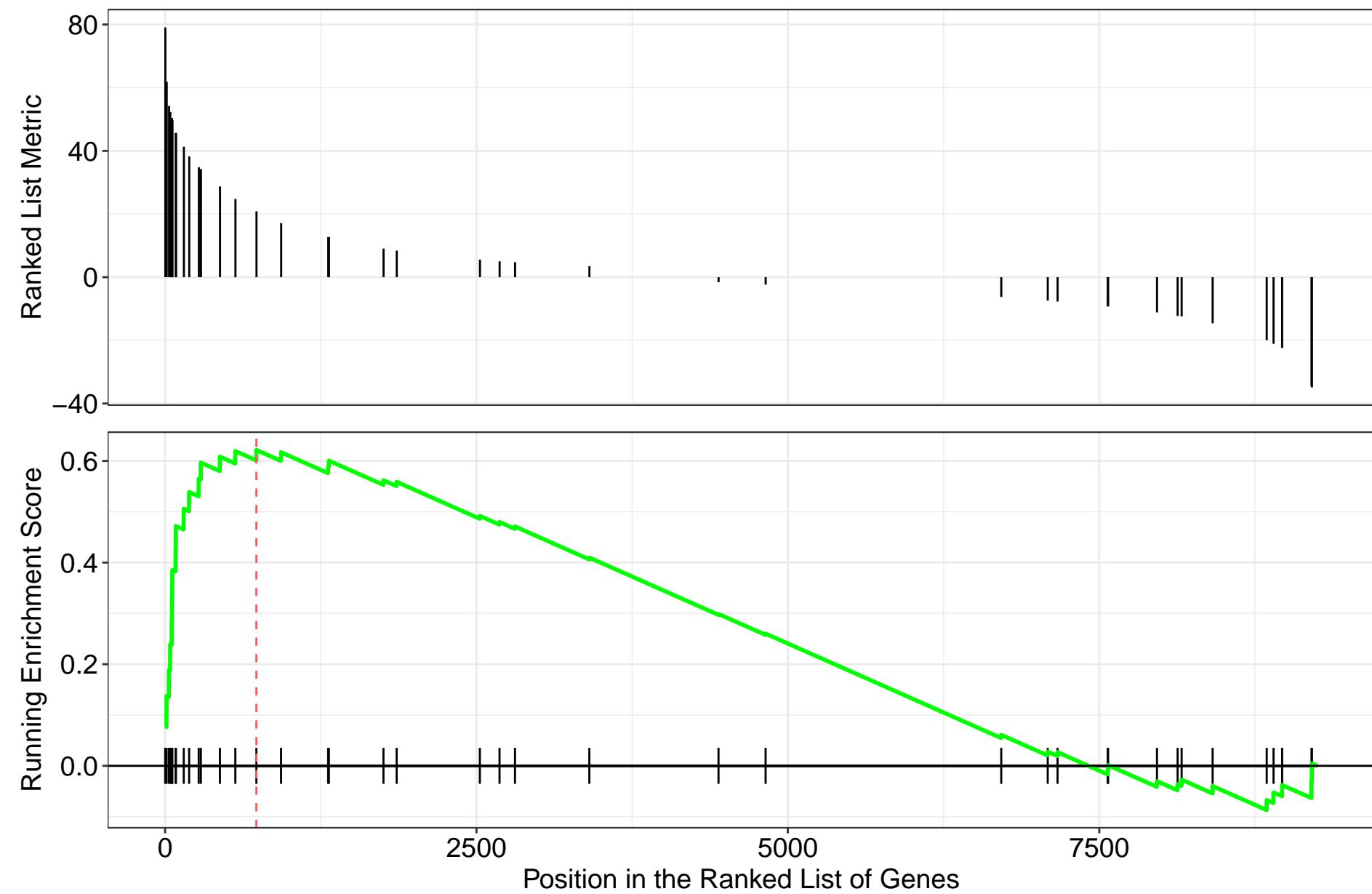
T cell cytokine production



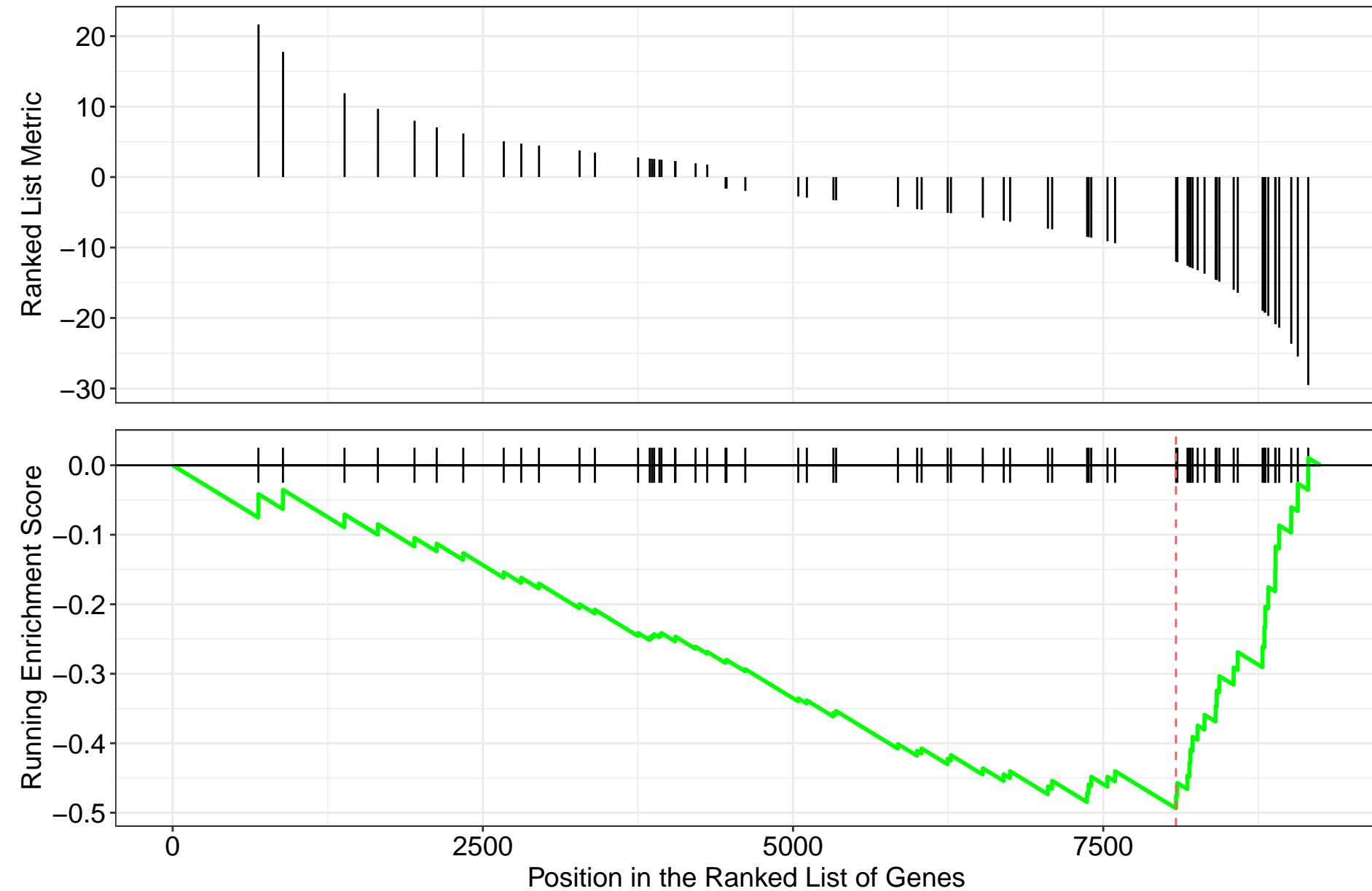
positive regulation of production of molecular mediator of immune response



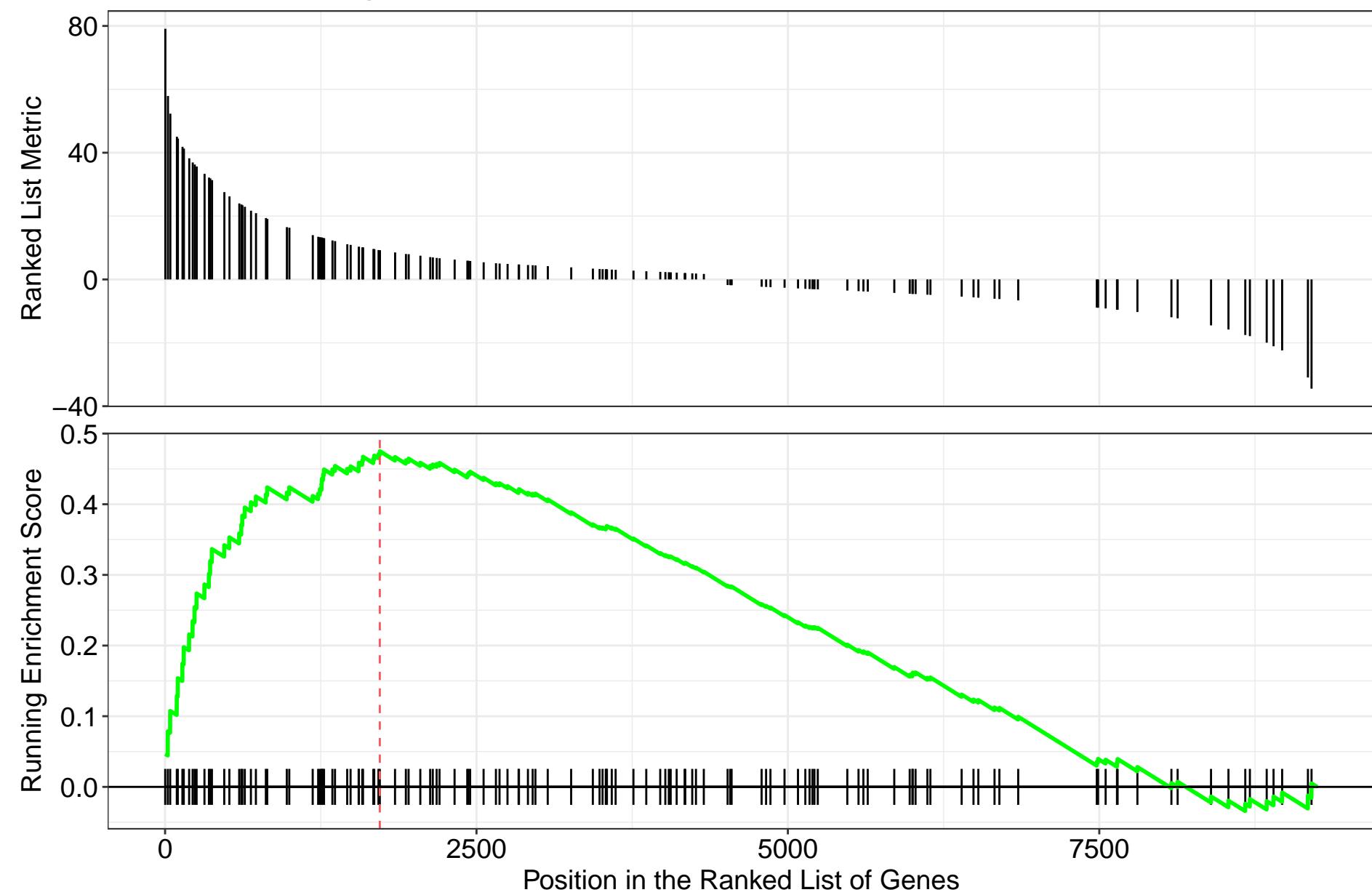
antimicrobial humoral response



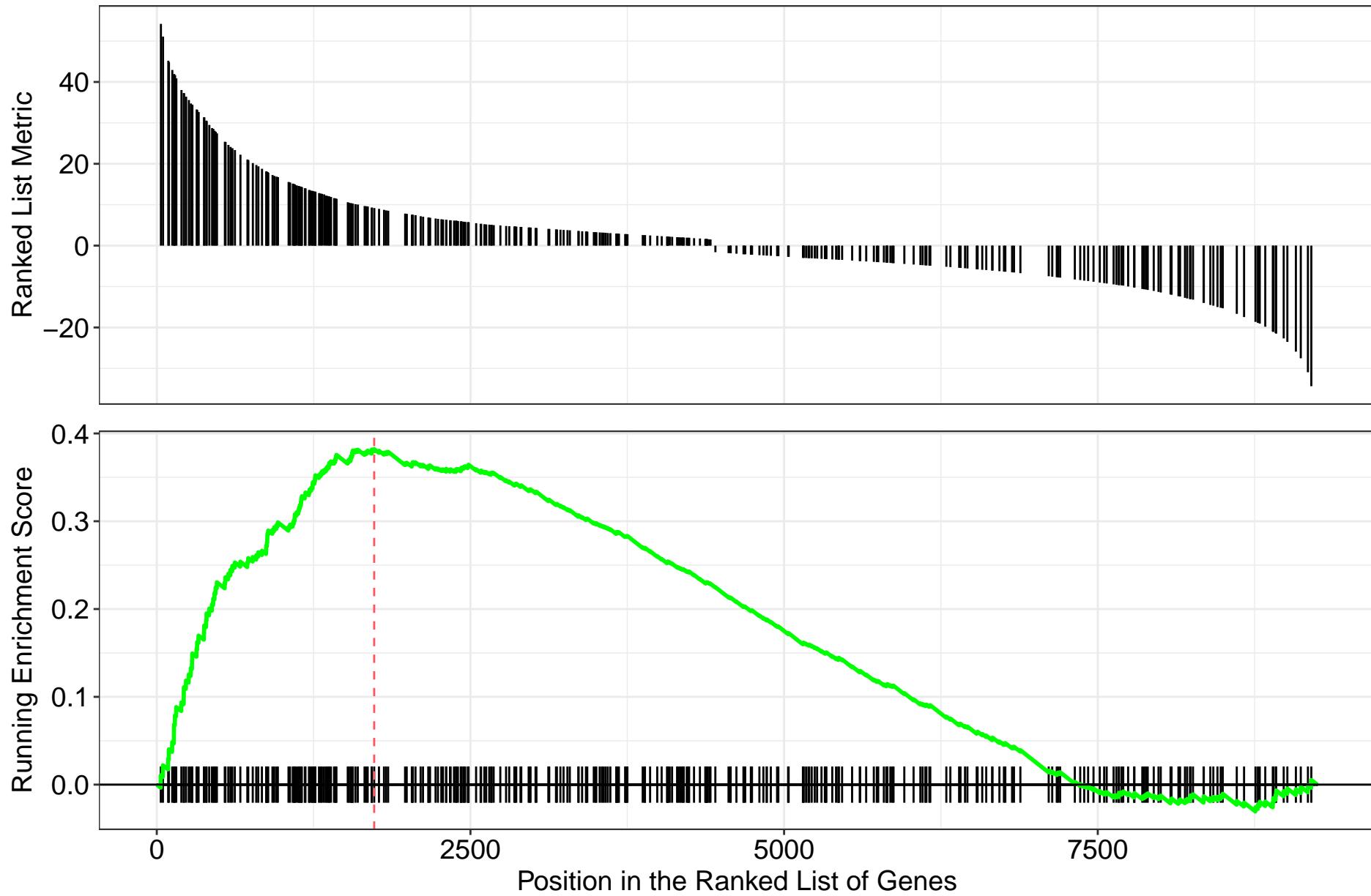
regulation of G2/M transition of mitotic cell cycle



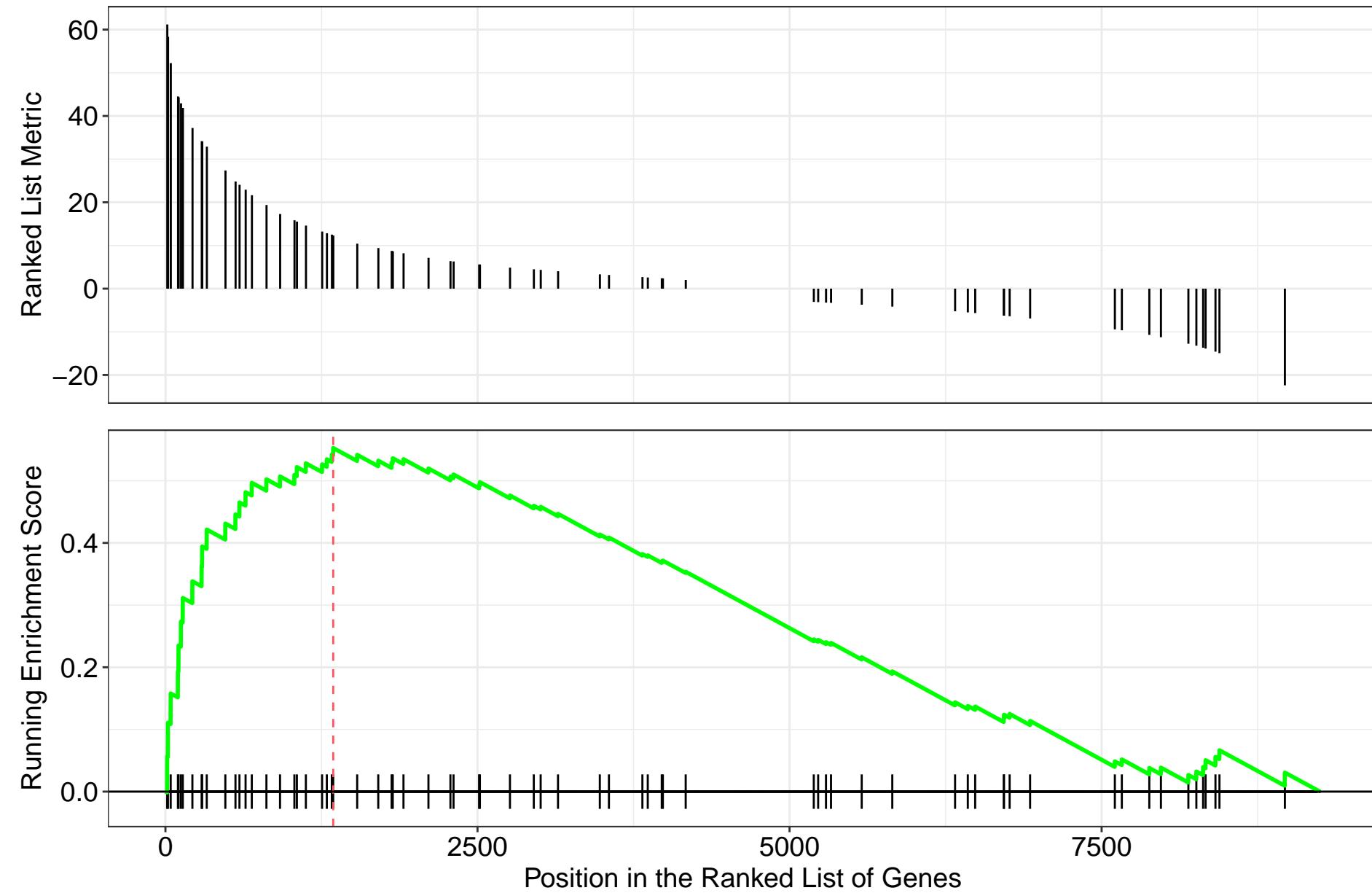
biological process involved in symbiotic interaction



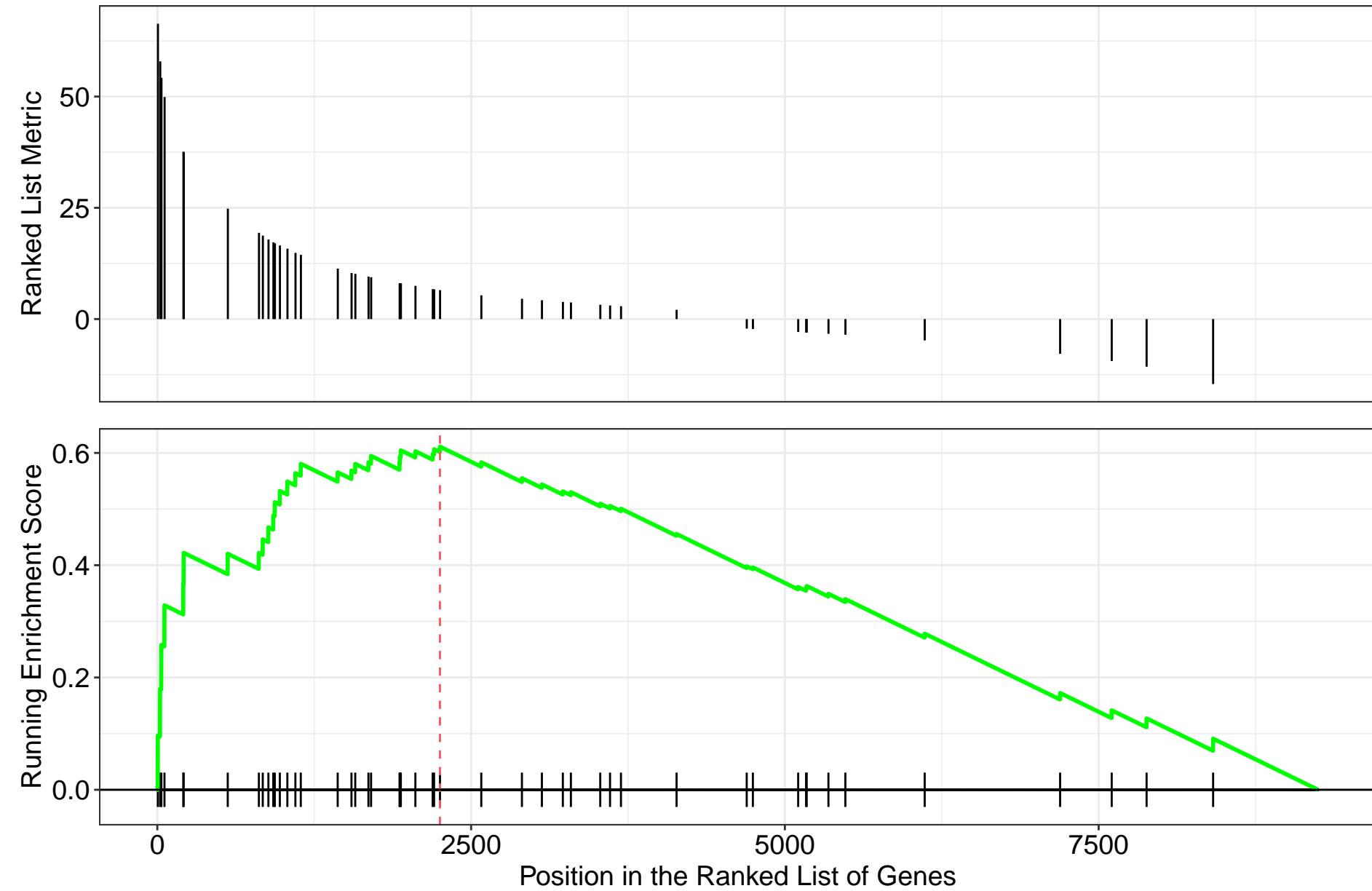
regulation of proteolysis



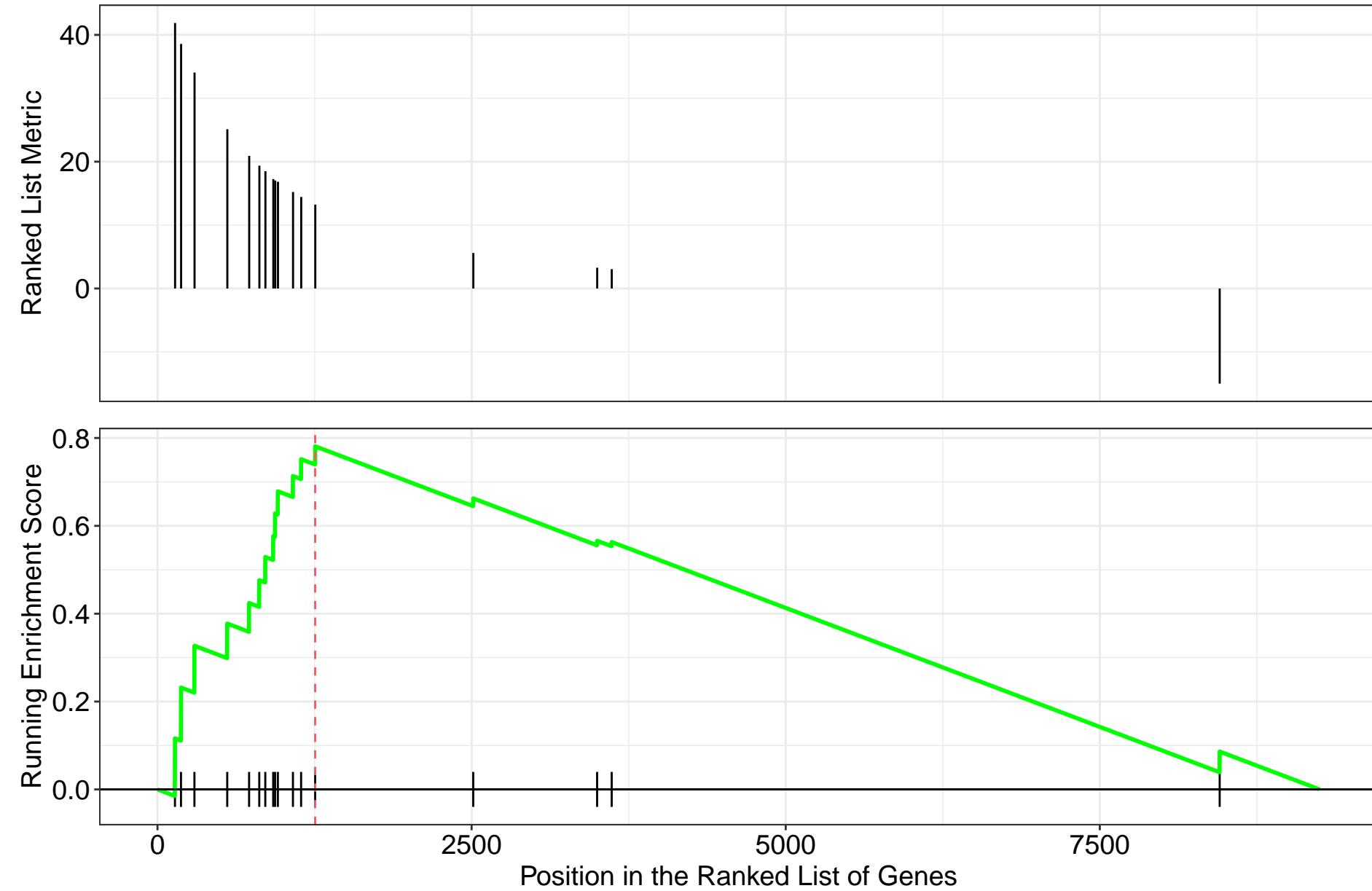
negative regulation of T cell activation



regulation of defense response to virus

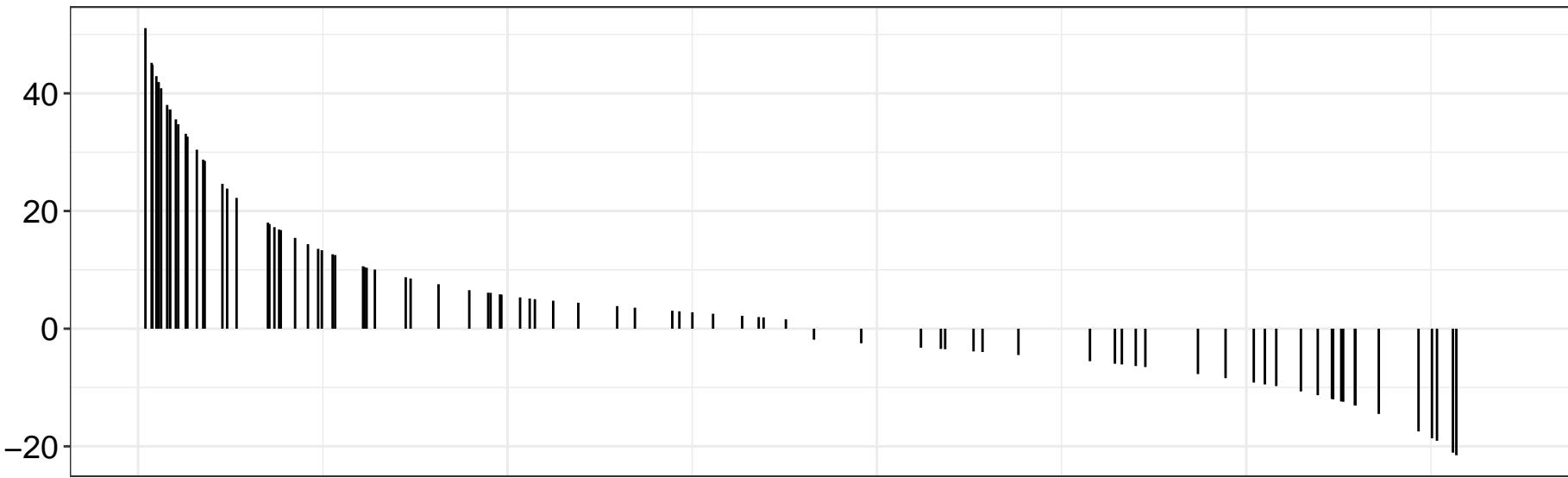


interferon–gamma–mediated signaling pathway



negative regulation of peptidase activity

Ranked List Metric



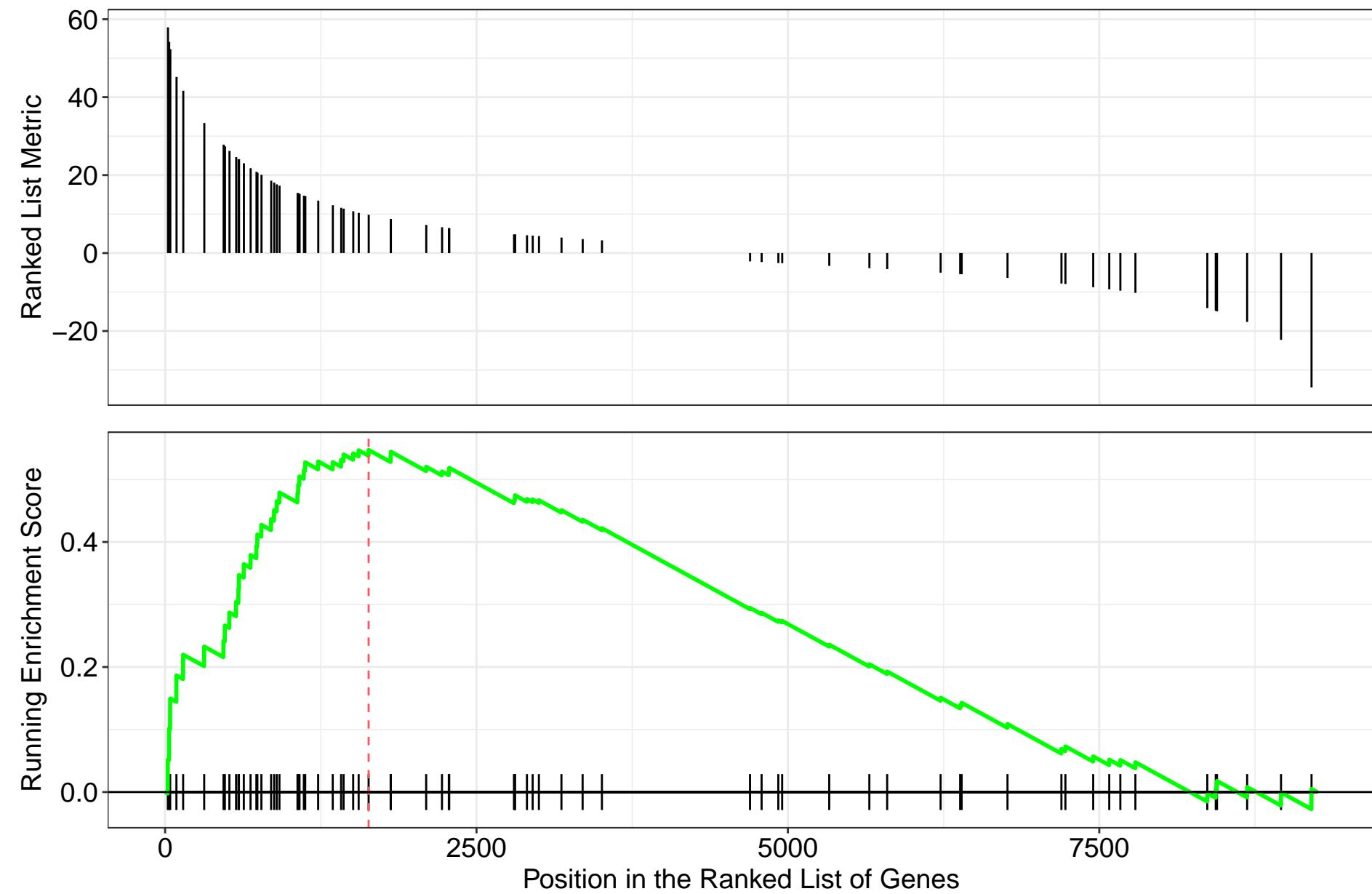
Running Enrichment Score

0 2500 5000 7500

Position in the Ranked List of Genes

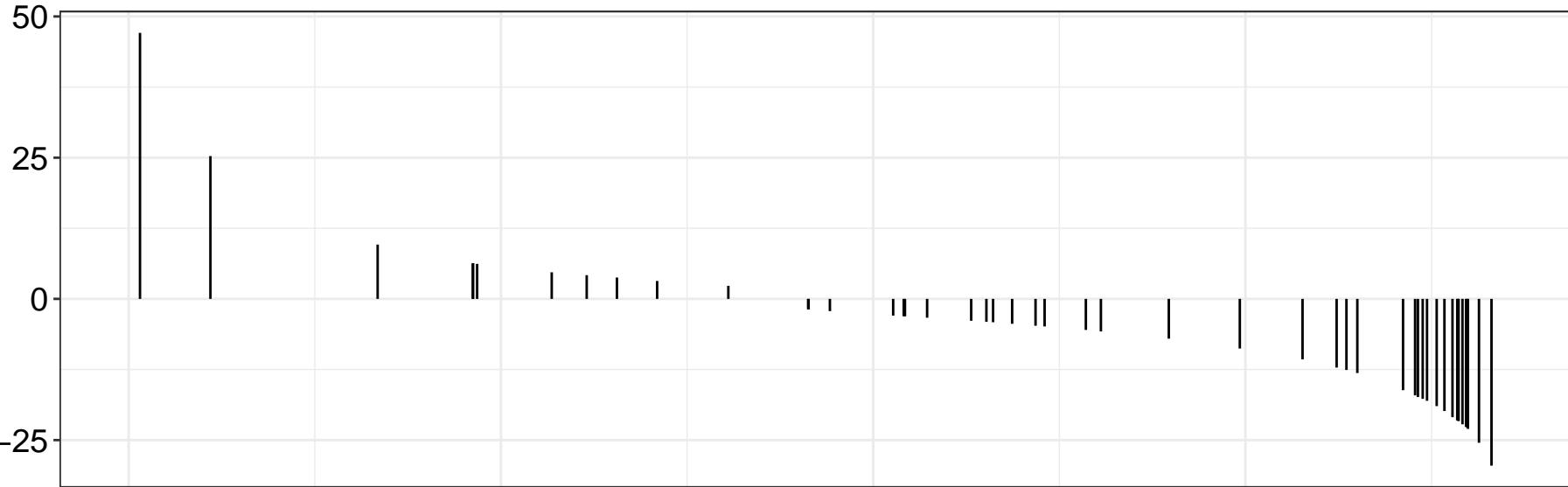


chemokine production



establishment of chromosome localization

Ranked List Metric



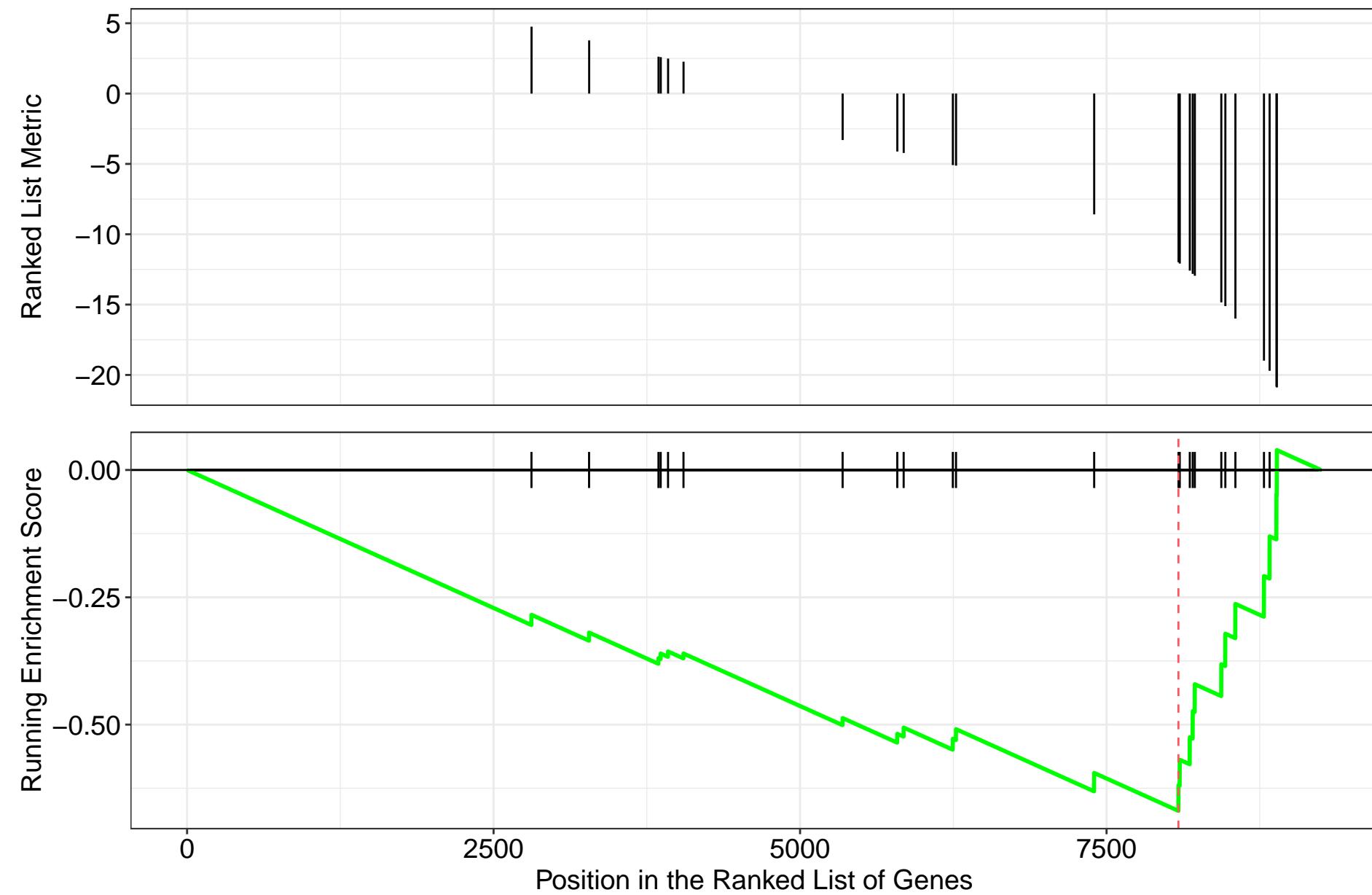
Running Enrichment Score

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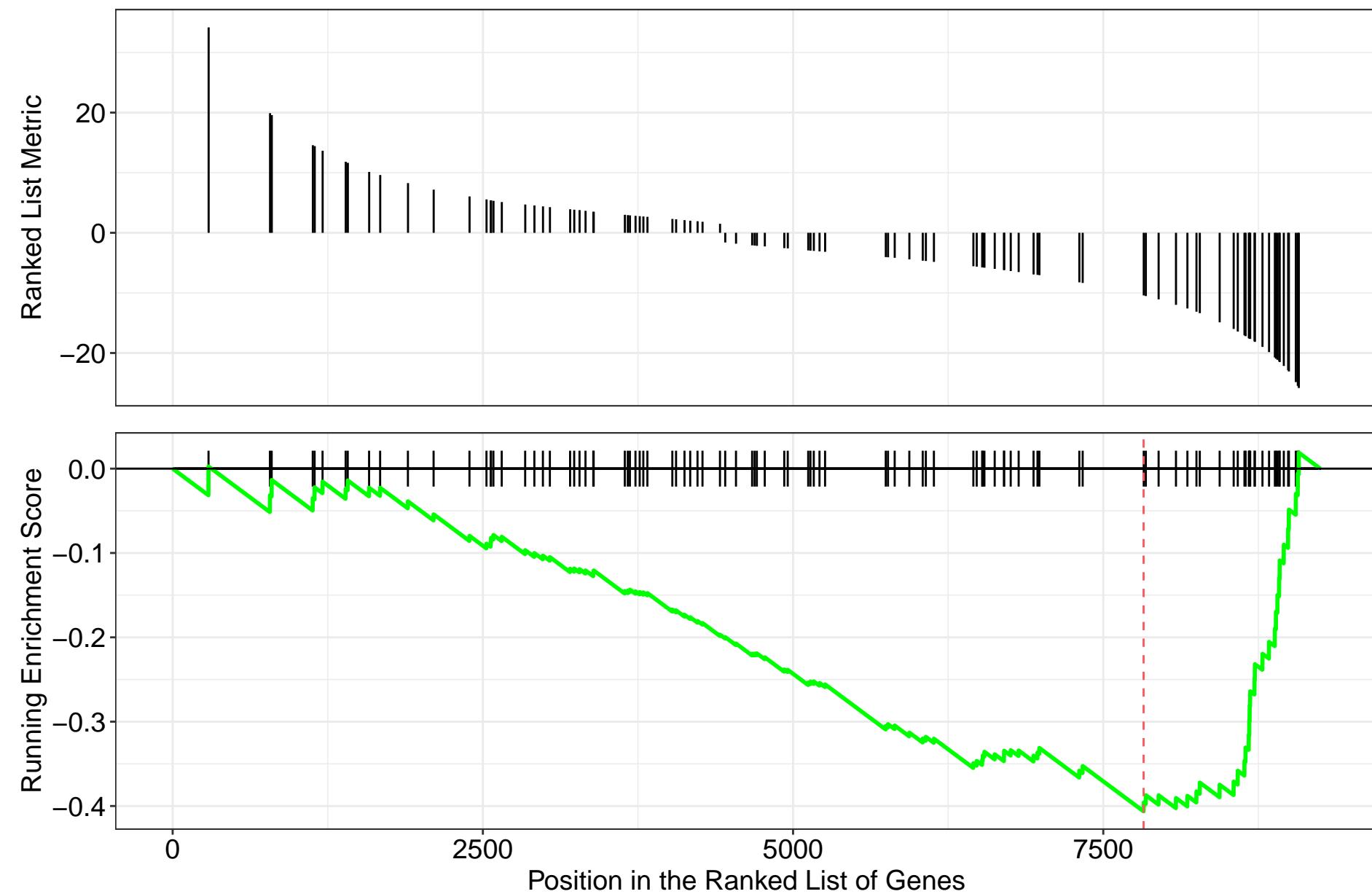
Position in the Ranked List of Genes



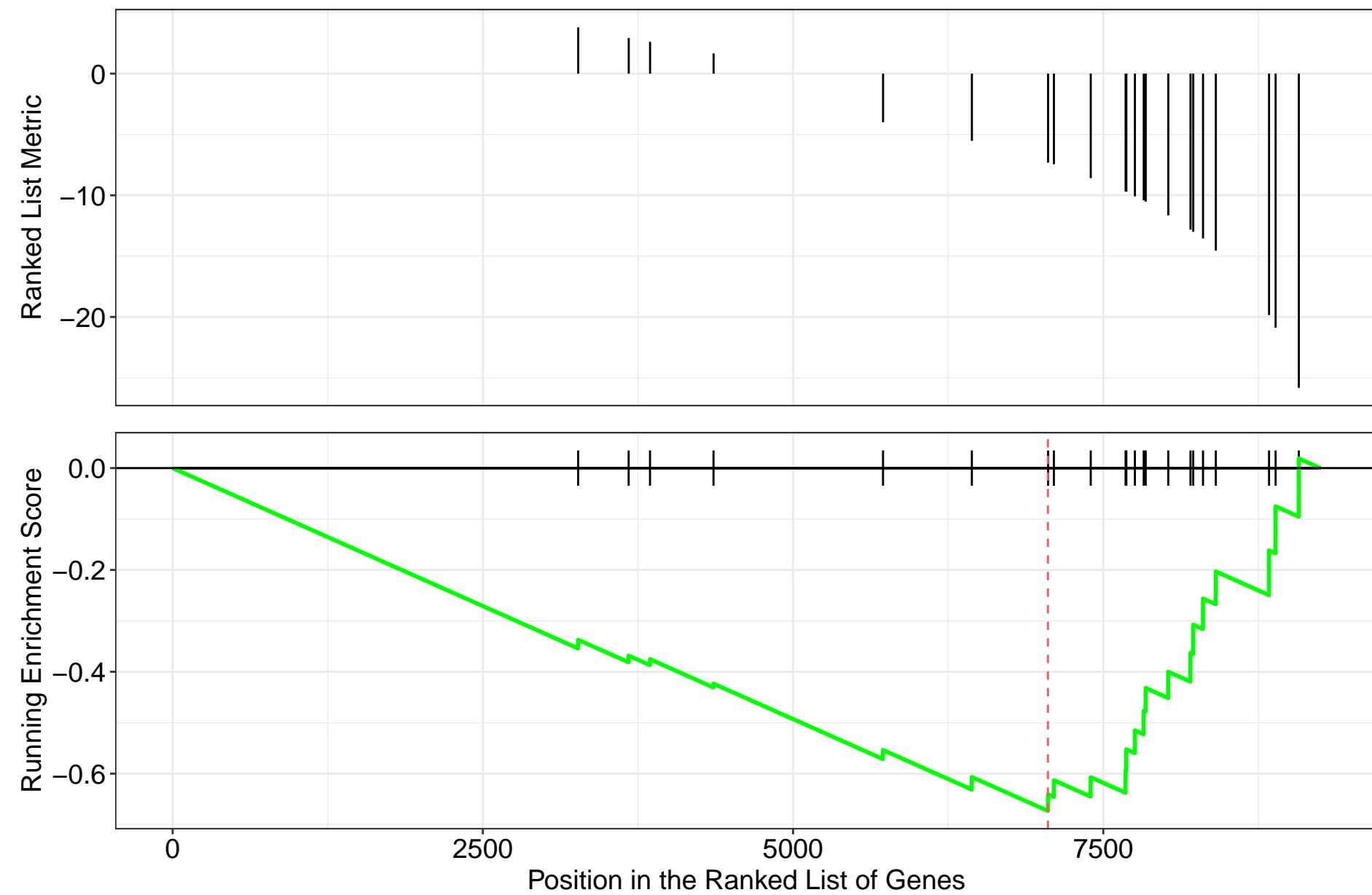
positive regulation of cell cycle G2/M phase transition



cytokinesis

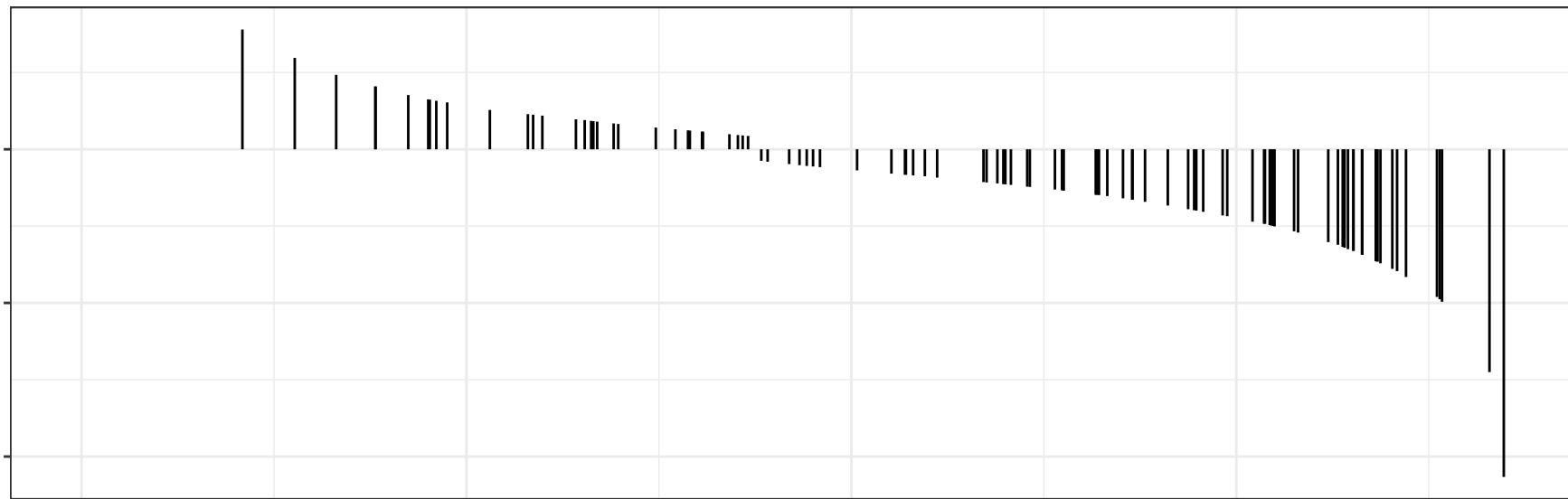


cell cycle DNA replication

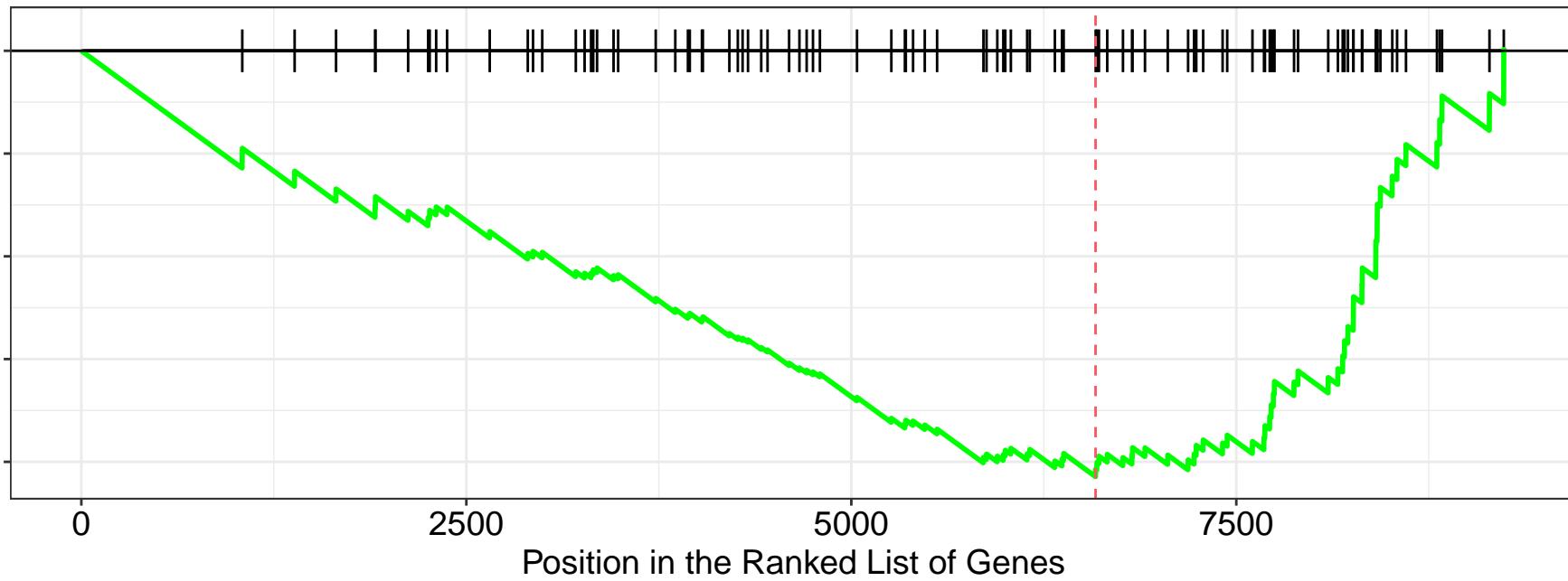


double-strand break repair via homologous recombination

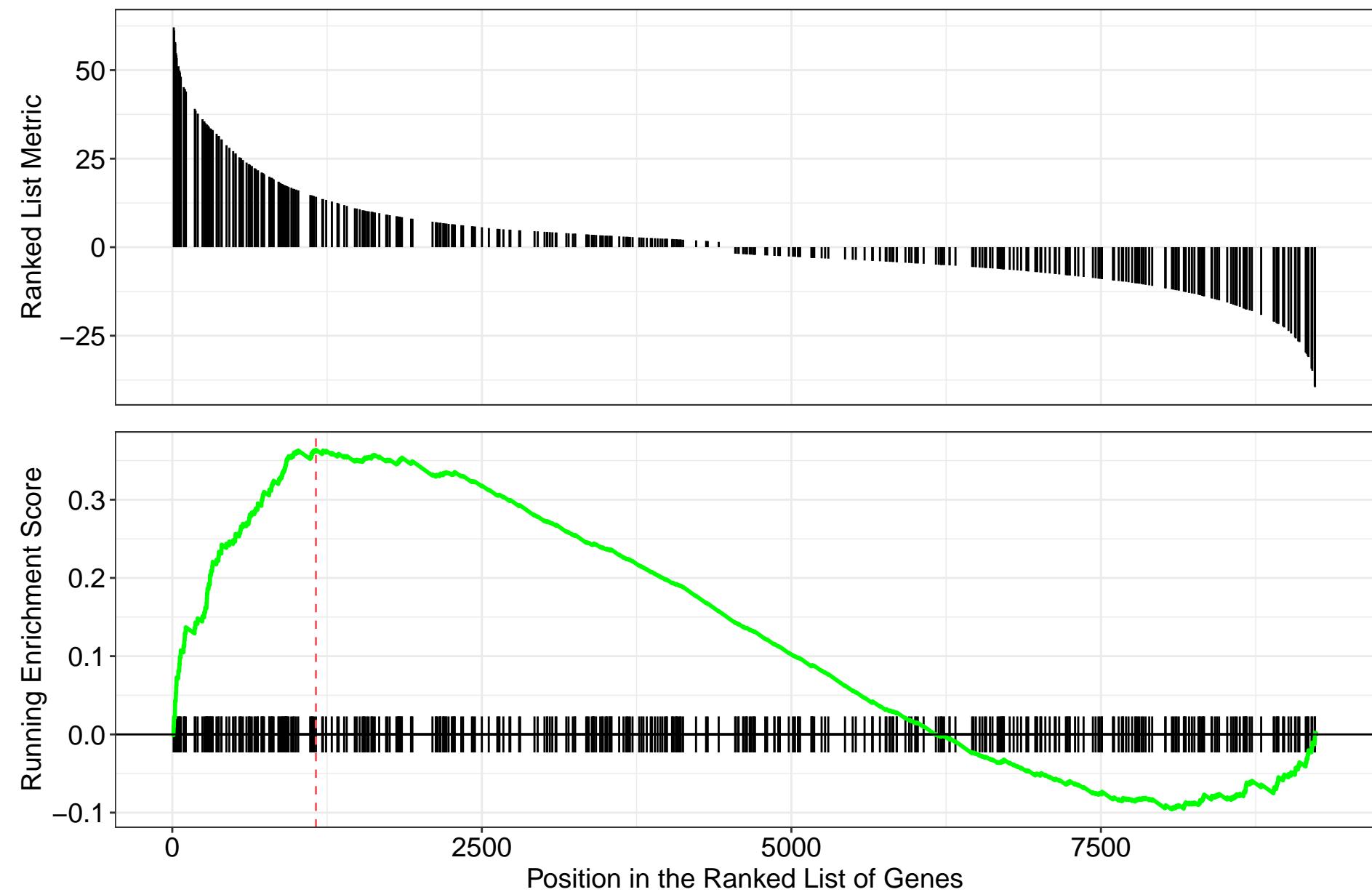
Ranked List Metric



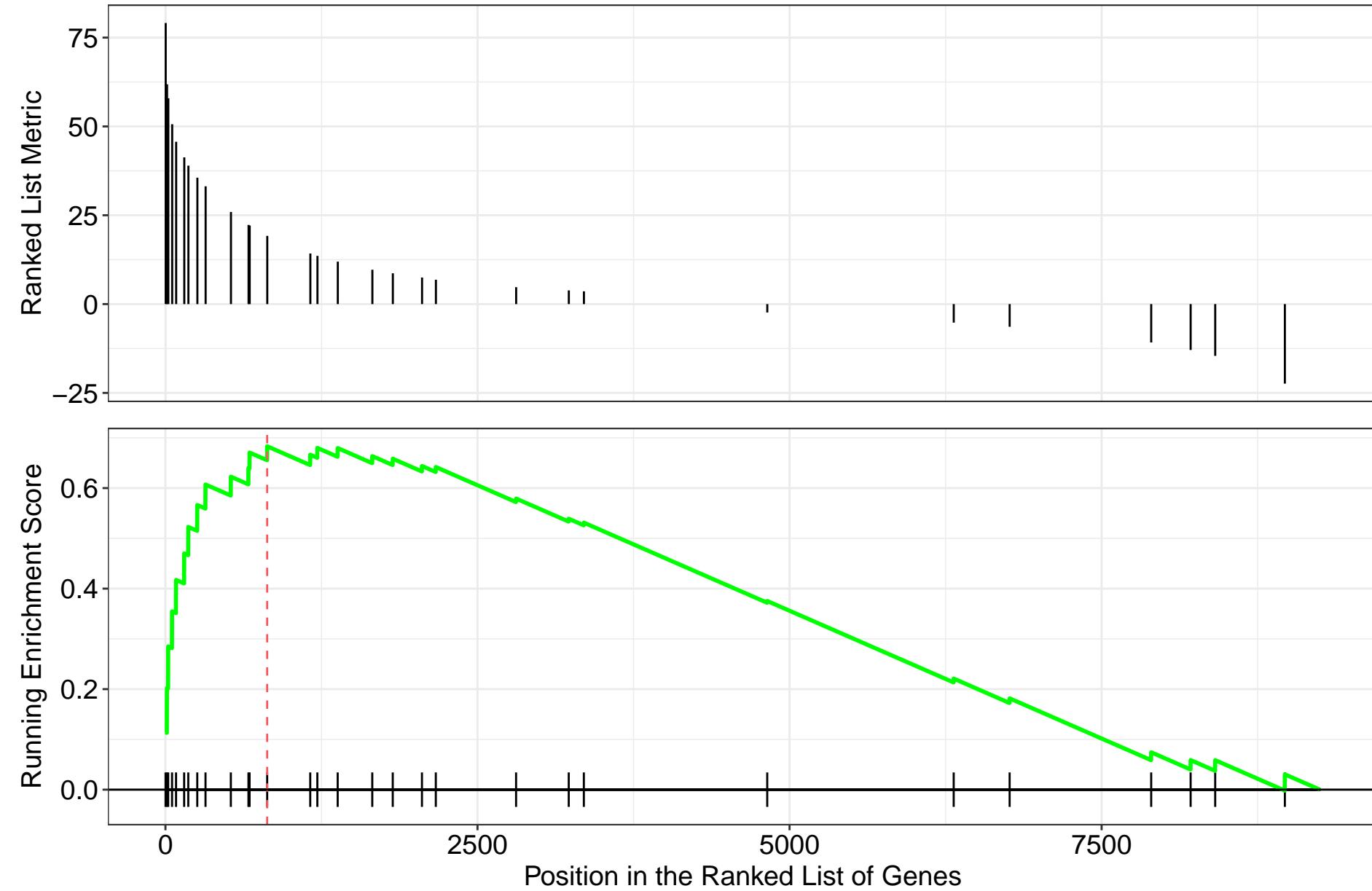
Running Enrichment Score



positive regulation of phosphorylation

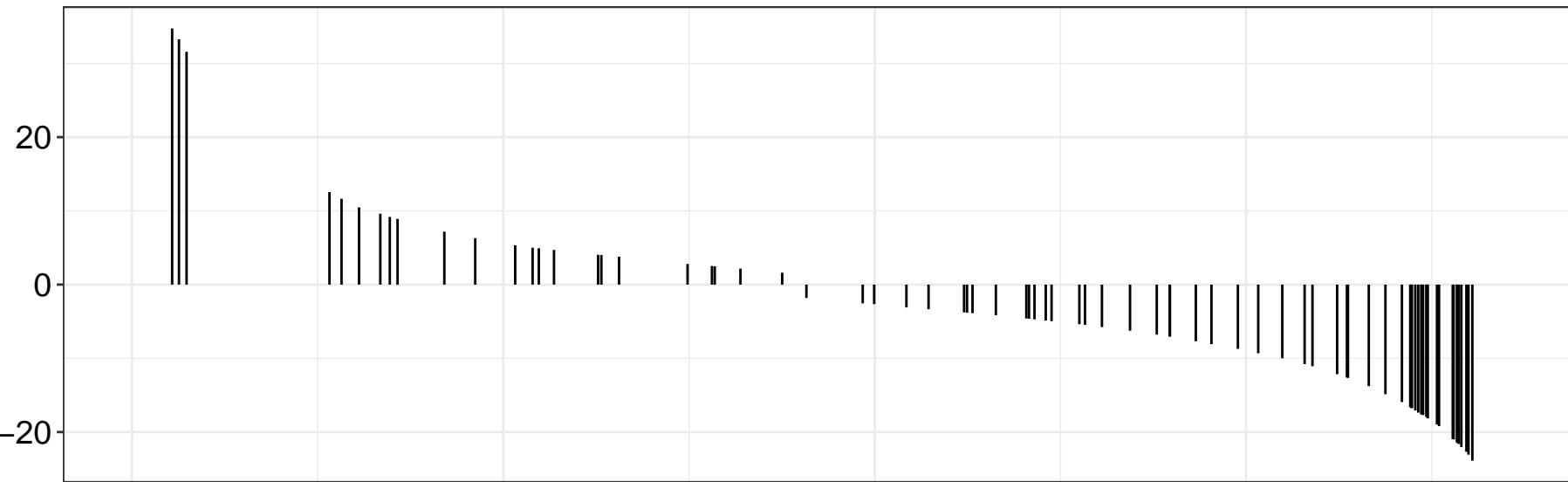


monocyte chemotaxis



mitotic spindle organization

Ranked List Metric



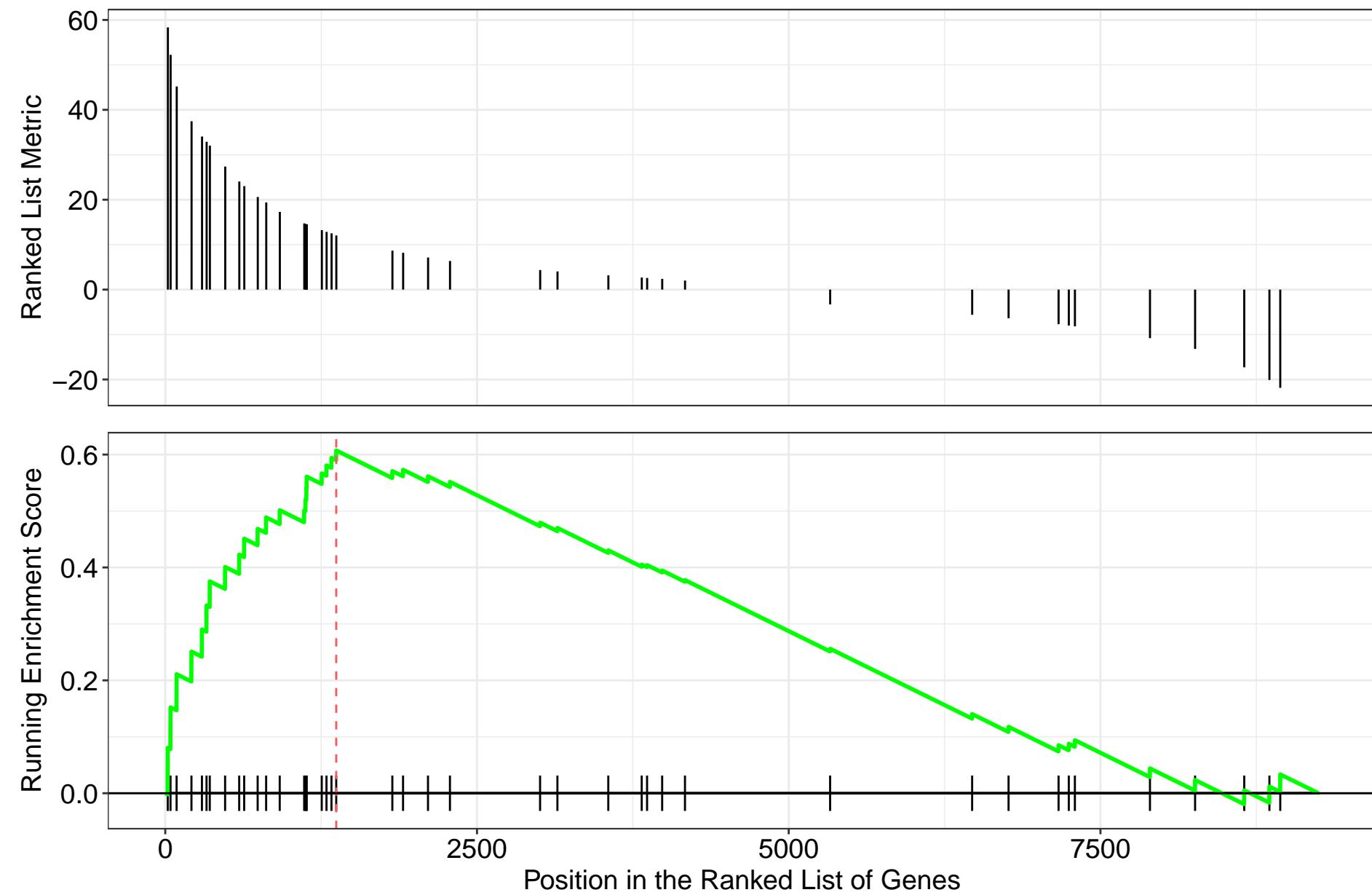
Running Enrichment Score

0 2500 5000 7500

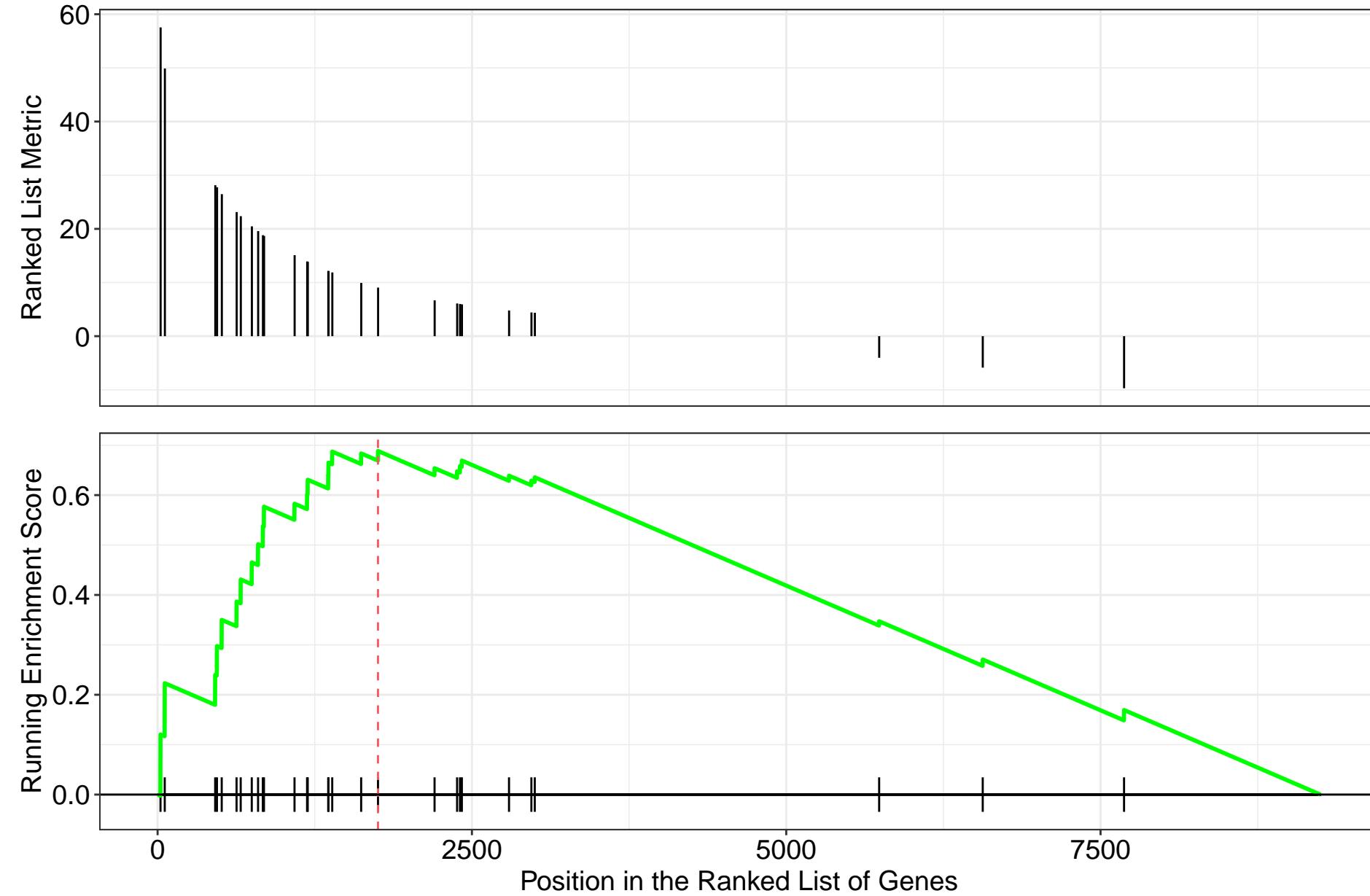
Position in the Ranked List of Genes



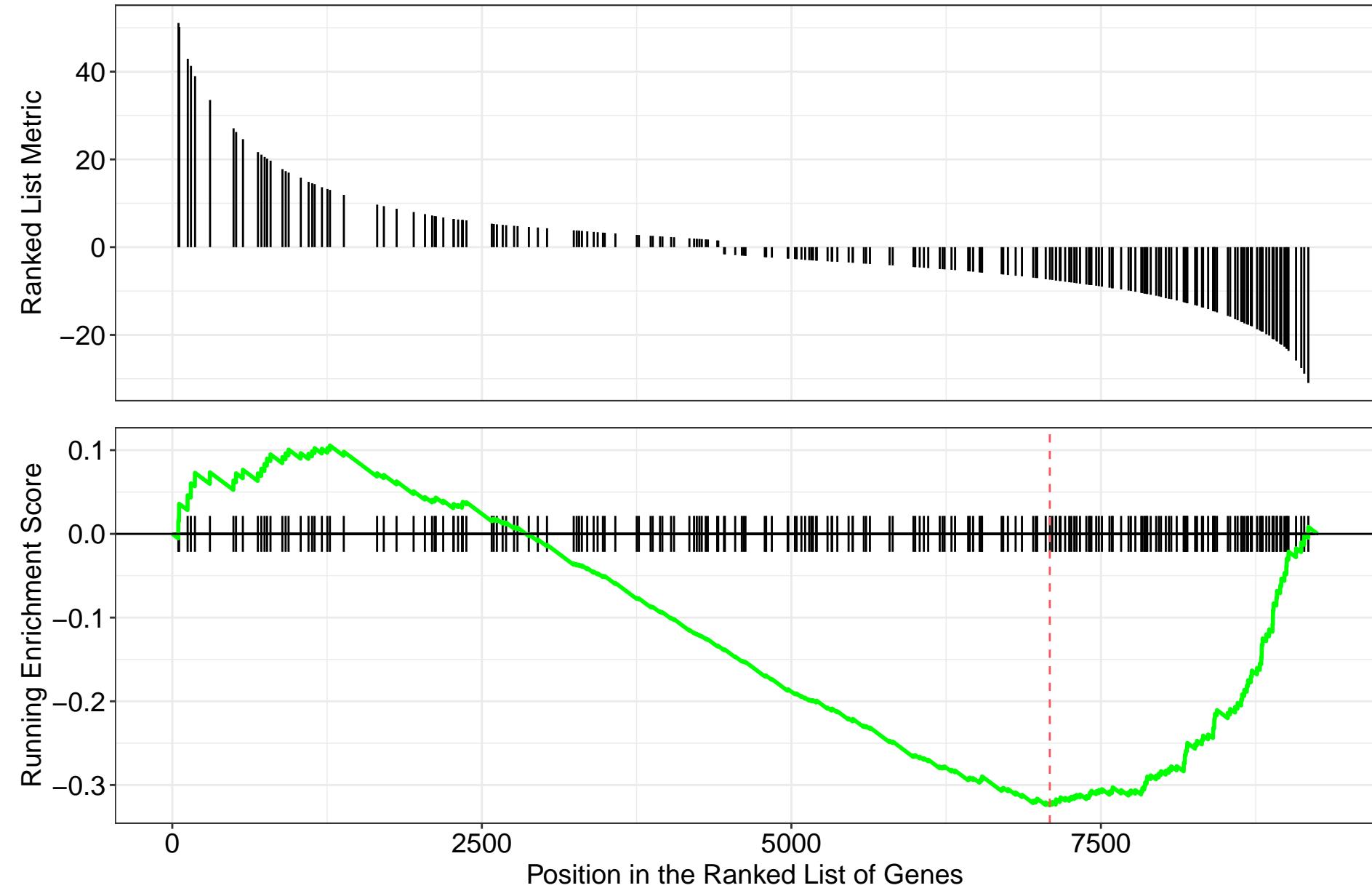
regulation of CD4-positive, alpha-beta T cell activation



positive regulation of T cell mediated cytotoxicity

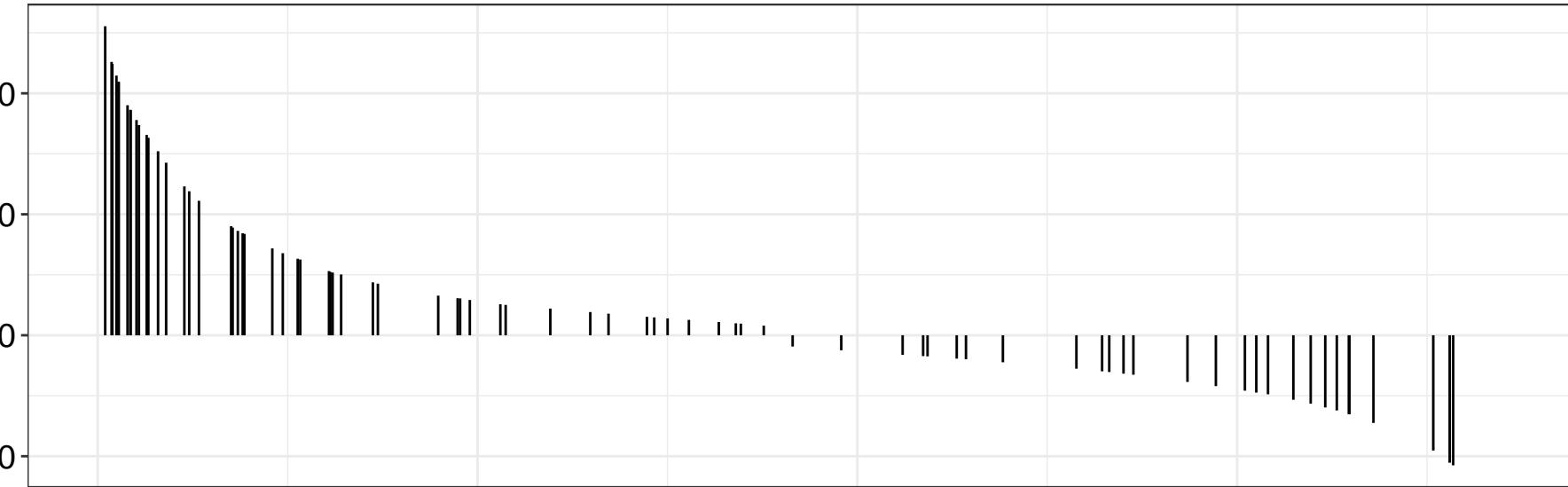


negative regulation of cell cycle



negative regulation of endopeptidase activity

Ranked List Metric



Running Enrichment Score

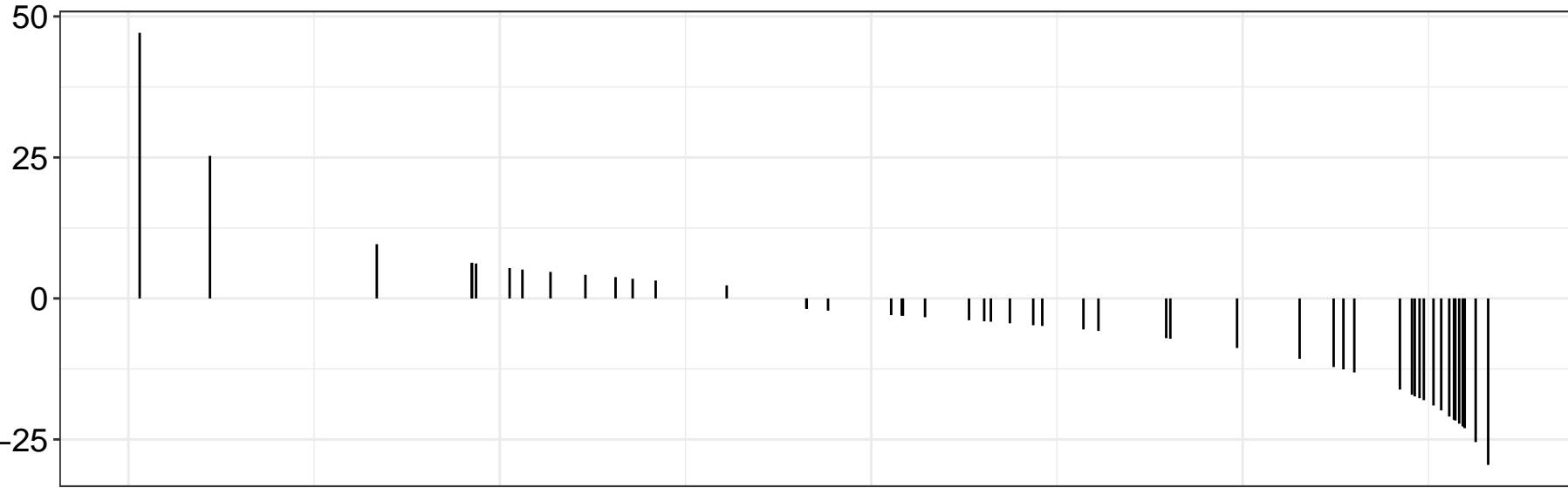
0 2500 5000 7500

Position in the Ranked List of Genes



chromosome localization

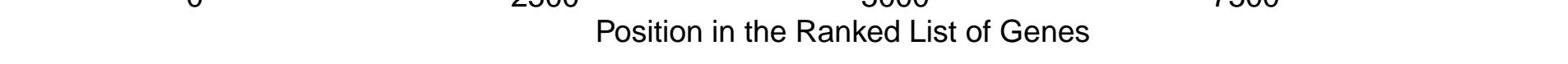
Ranked List Metric



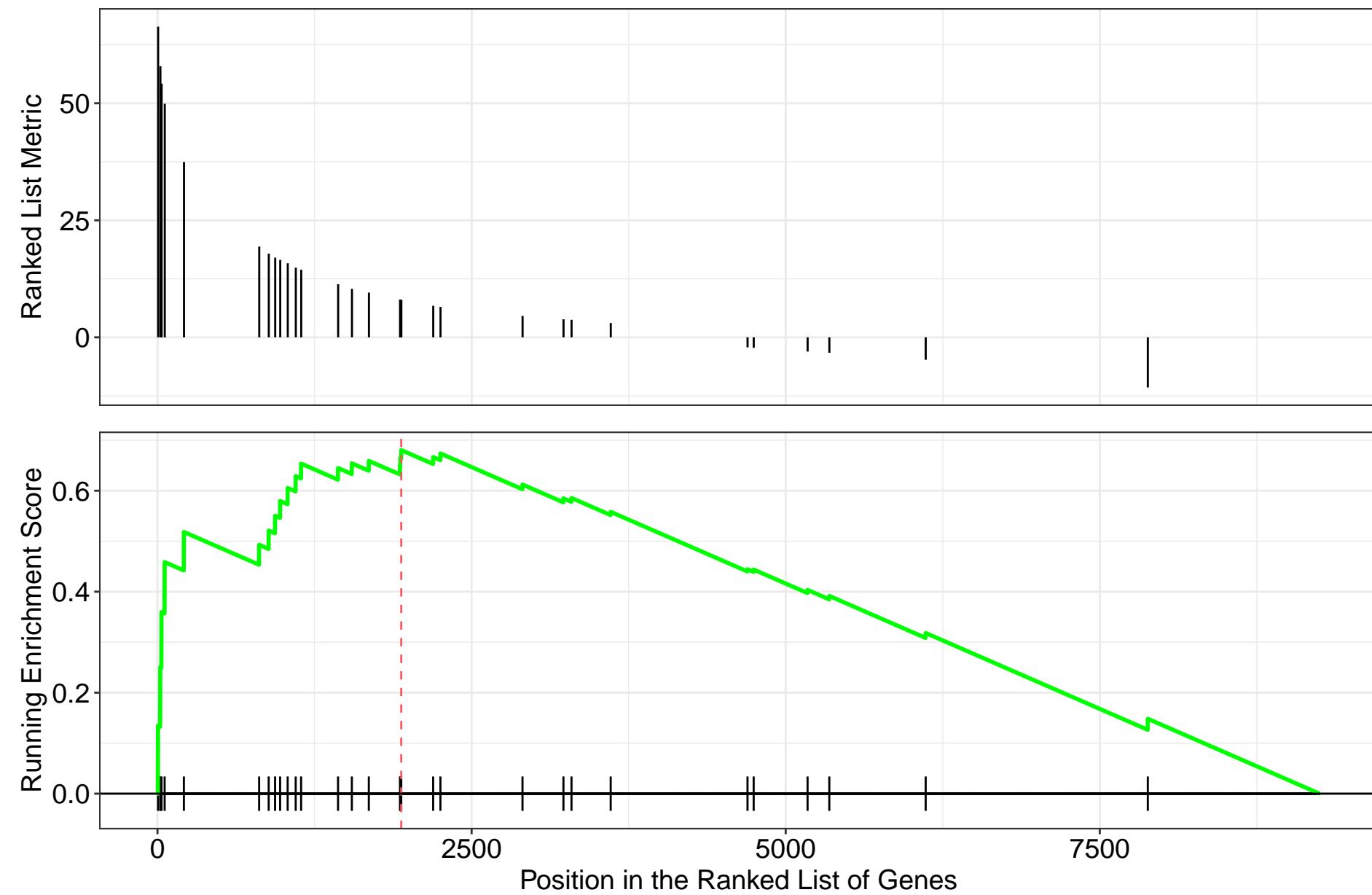
Running Enrichment Score

0 2500 5000 7500

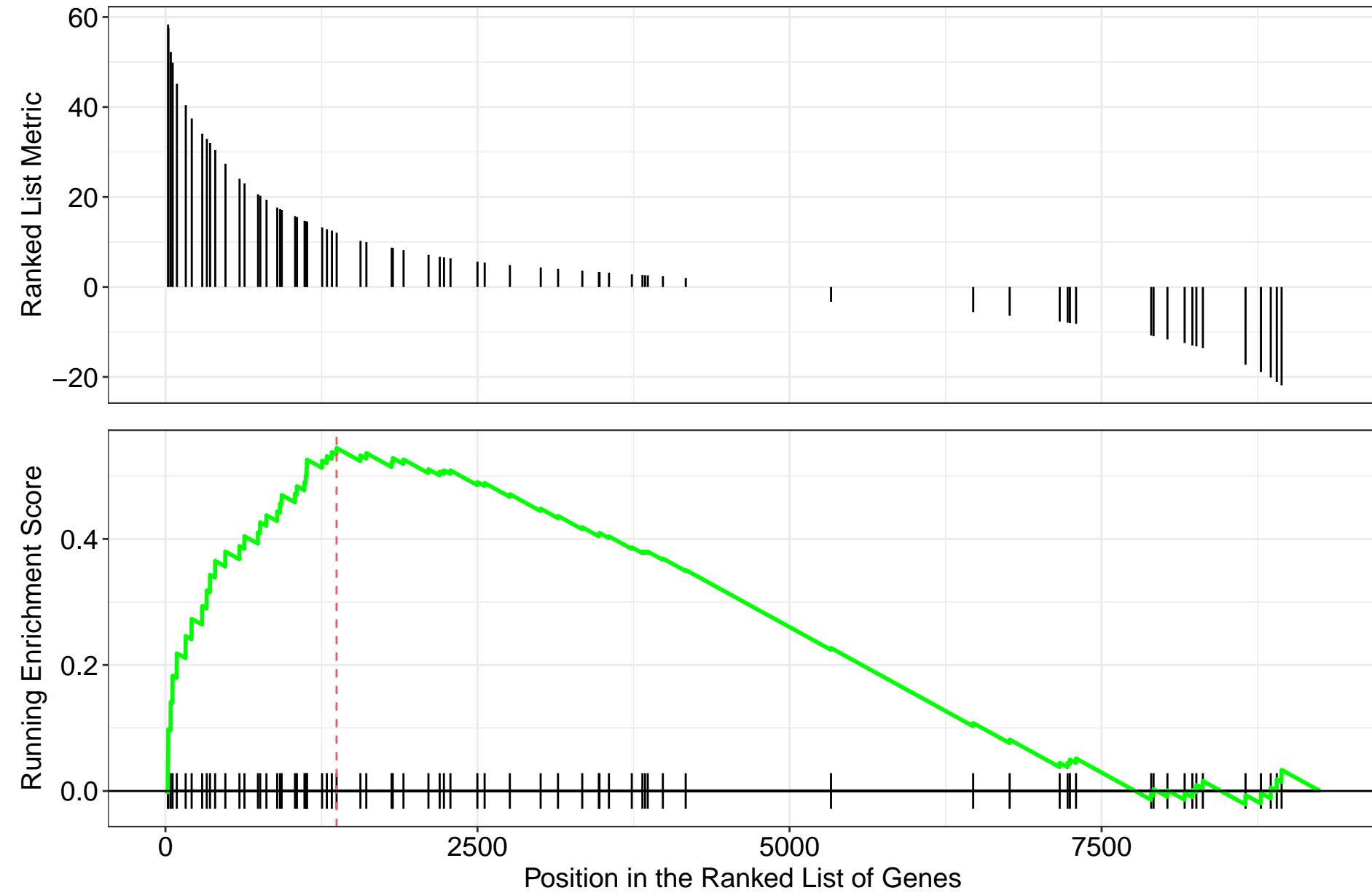
Position in the Ranked List of Genes



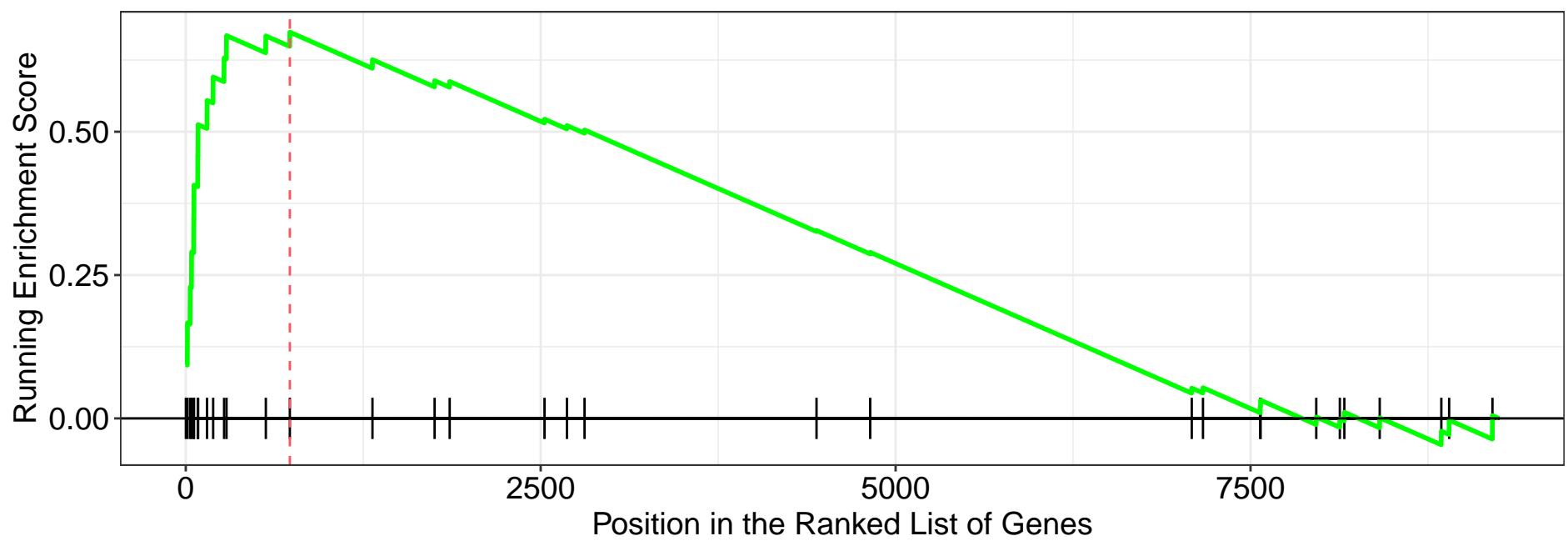
regulation of defense response to virus by host



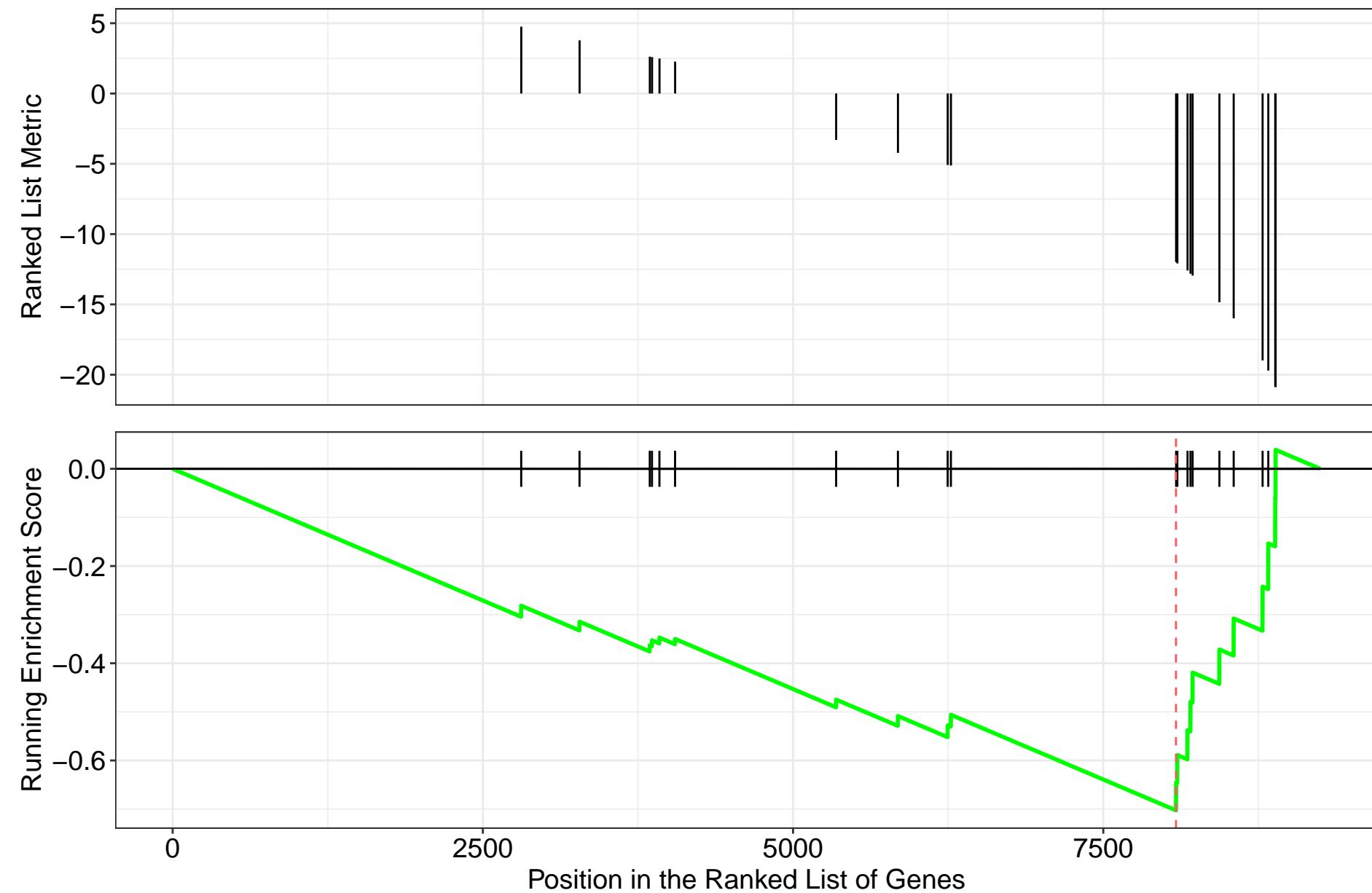
CD4-positive, alpha–beta T cell activation



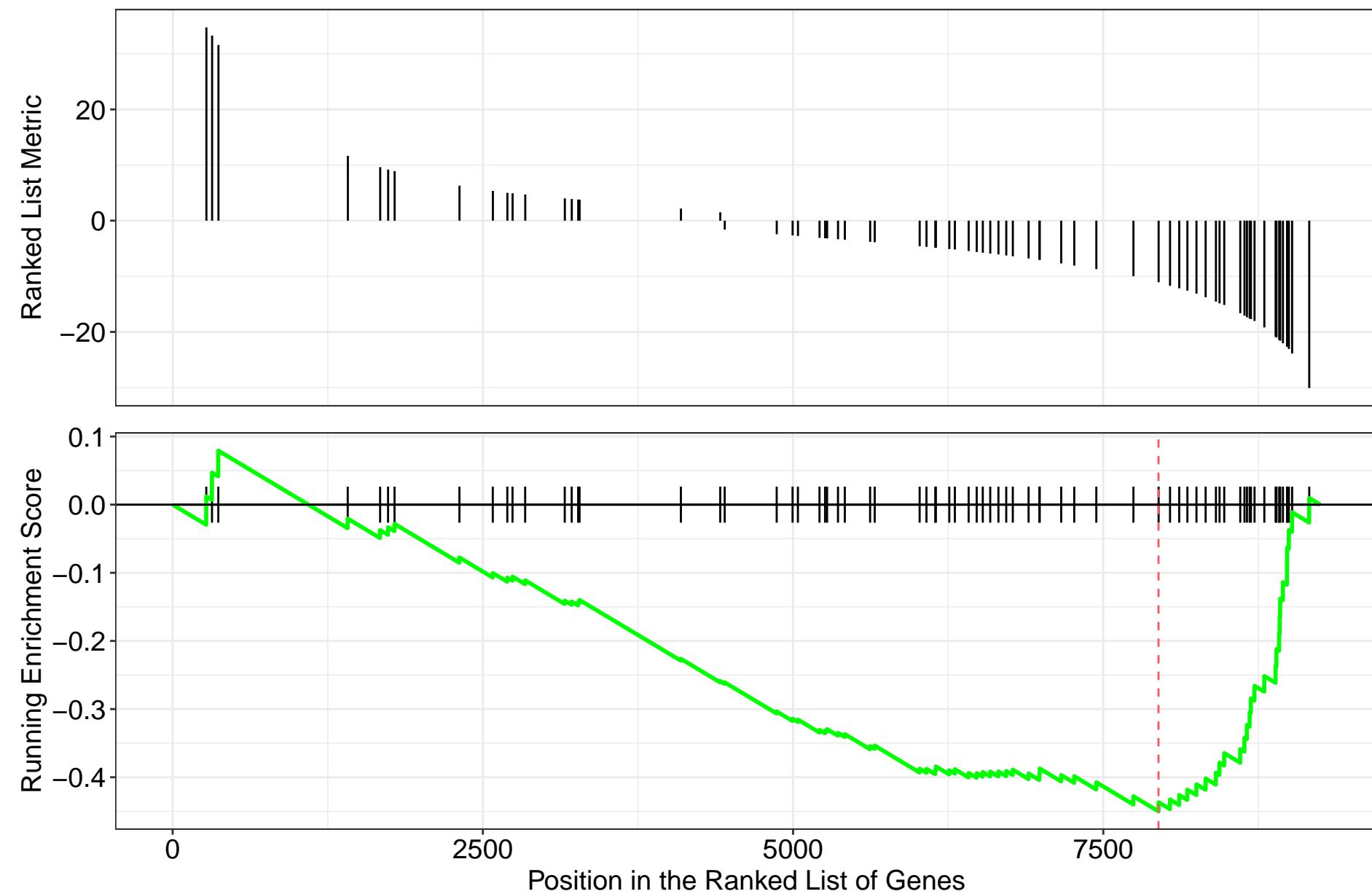
antimicrobial humoral immune response mediated by antimicrobial peptide



positive regulation of G2/M transition of mitotic cell cycle

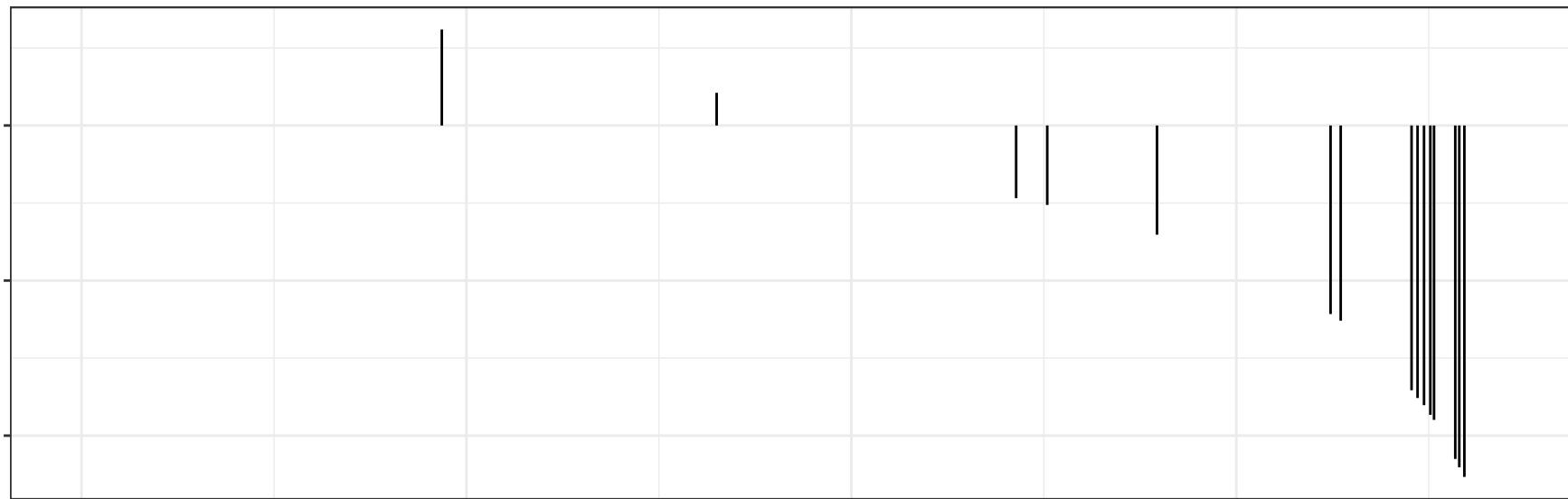


spindle assembly



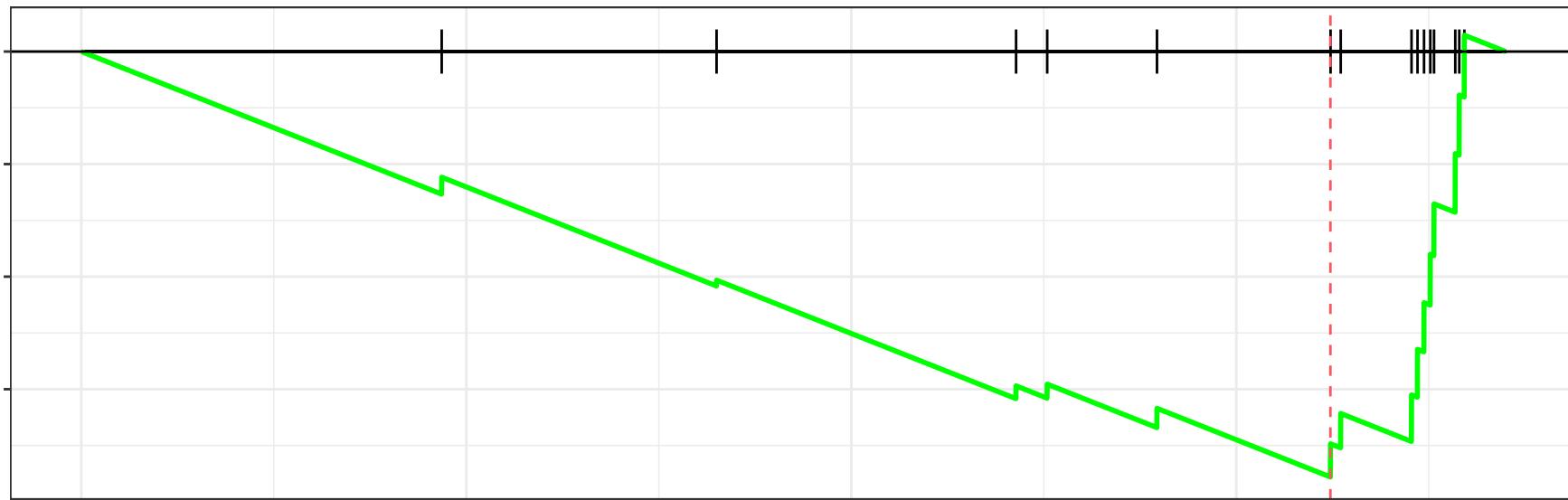
regulation of attachment of spindle microtubules to kinetochore

Ranked List Metric

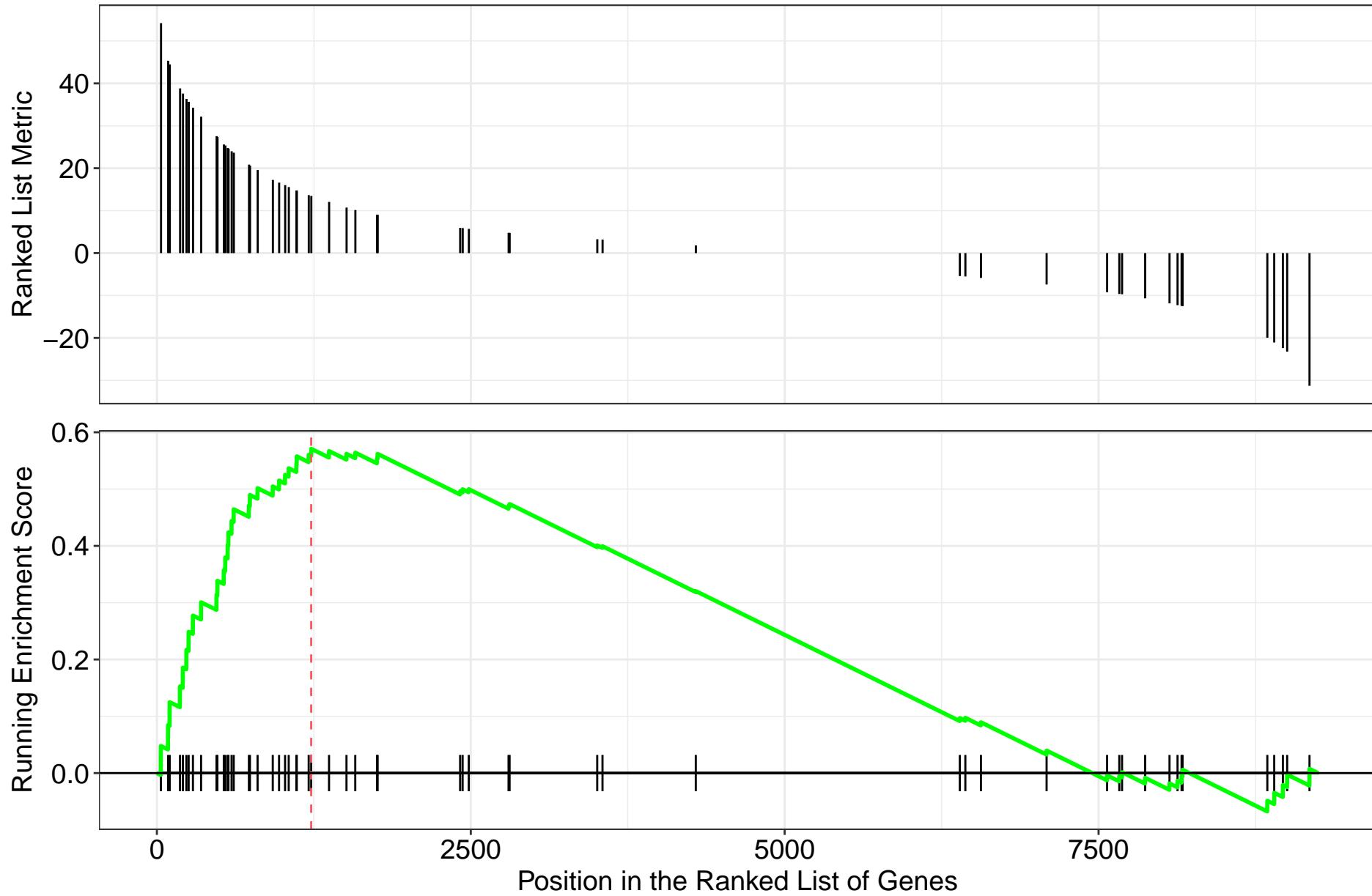


Running Enrichment Score

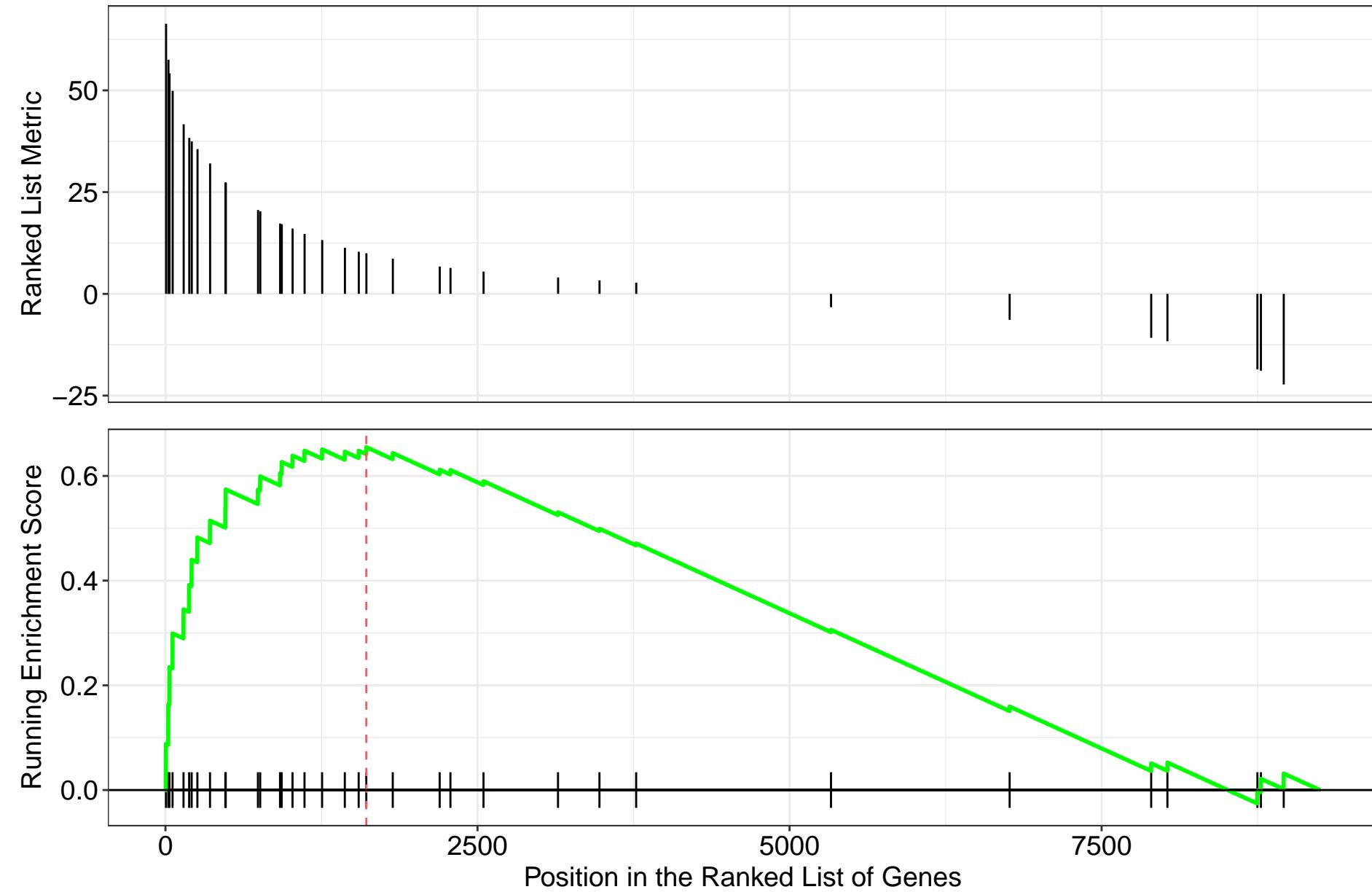
Position in the Ranked List of Genes



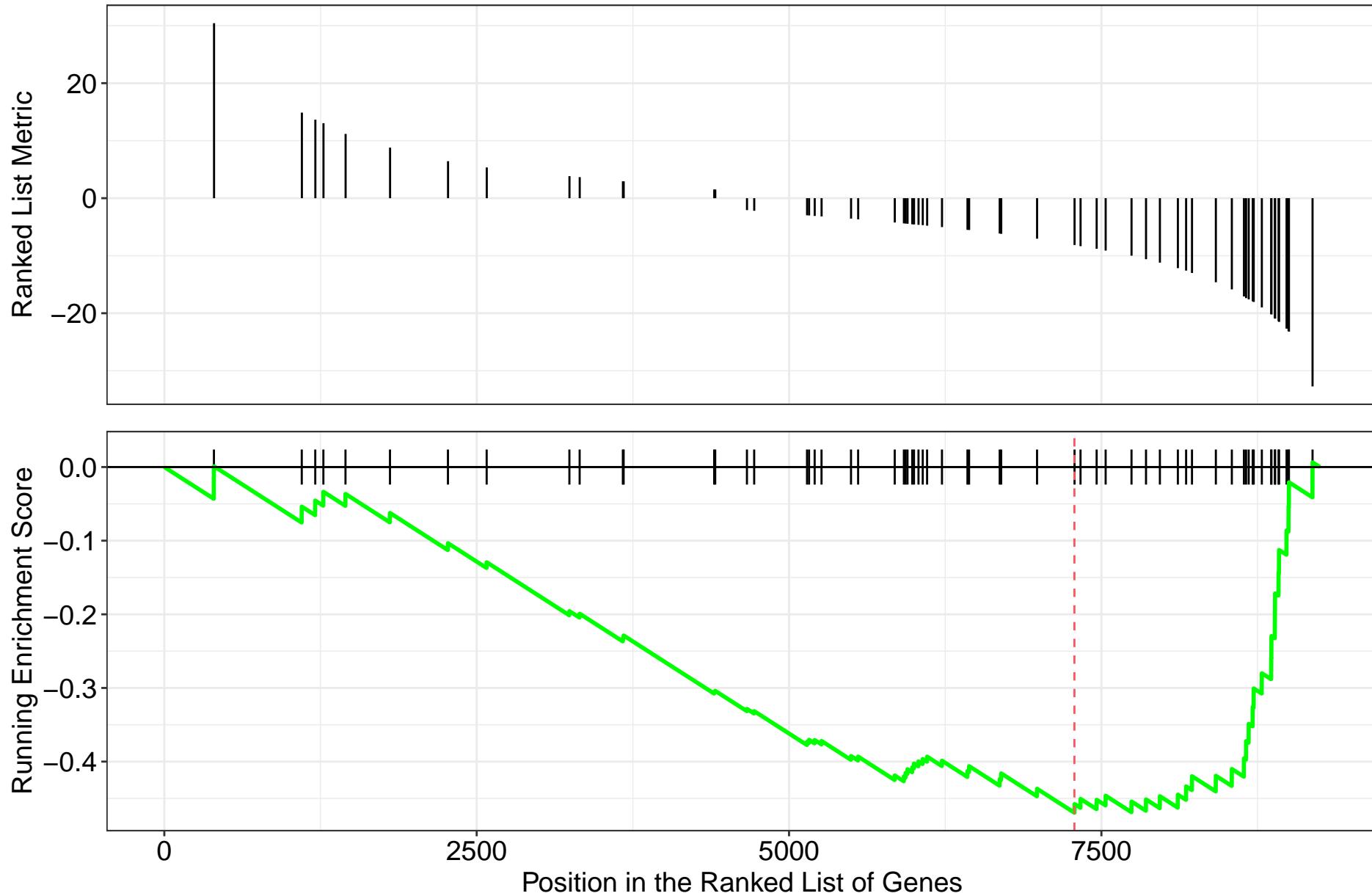
defense response to Gram-positive bacterium



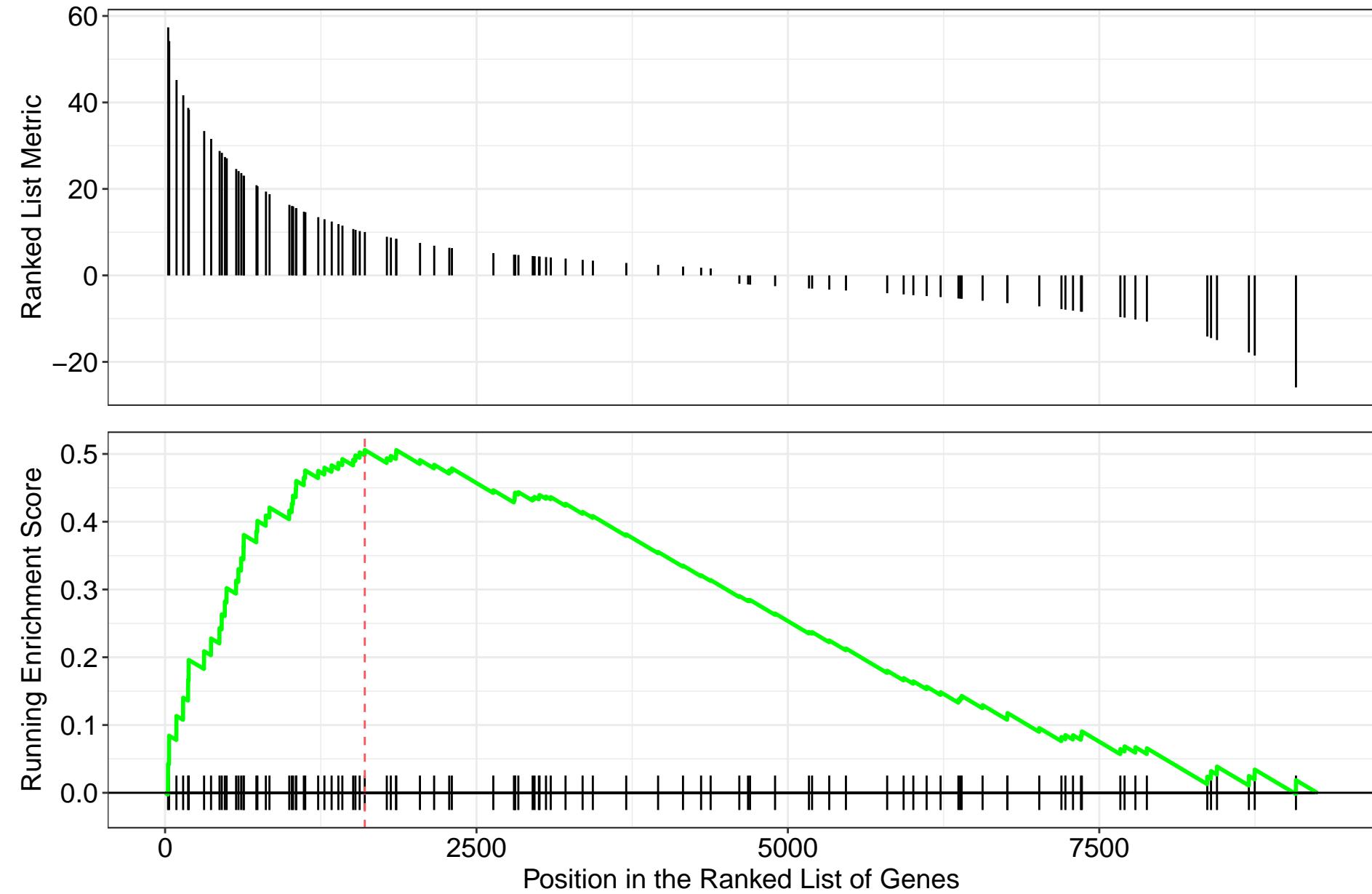
T-helper 1 type immune response



negative regulation of chromosome organization

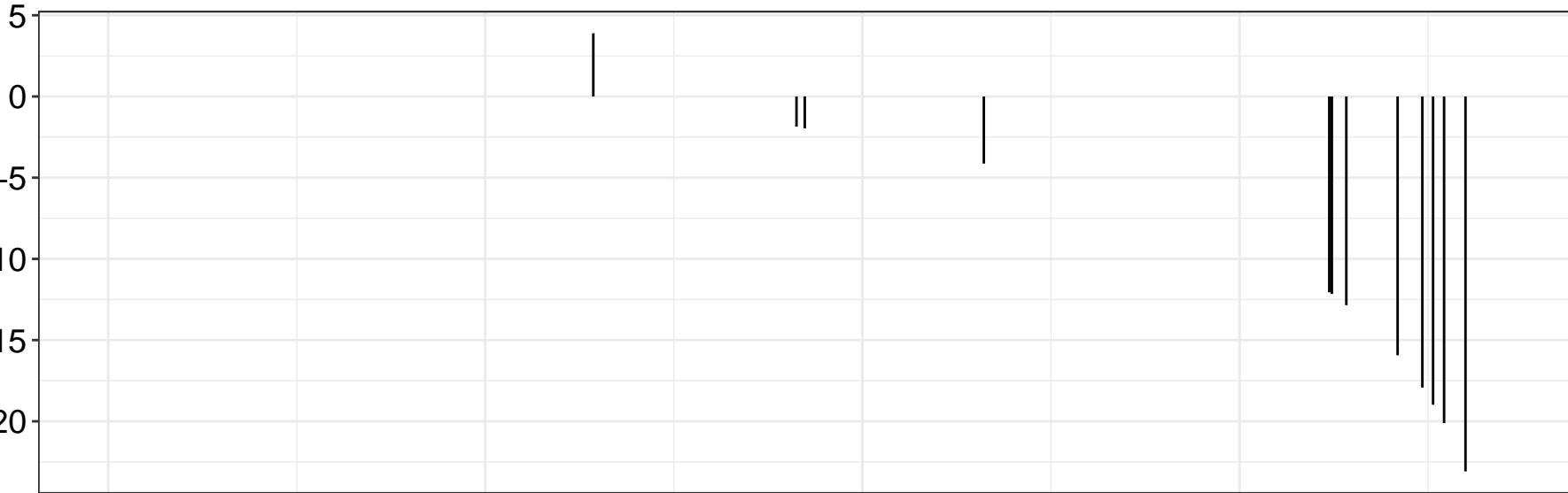


interleukin–6 production



kinetochore assembly

Ranked List Metric



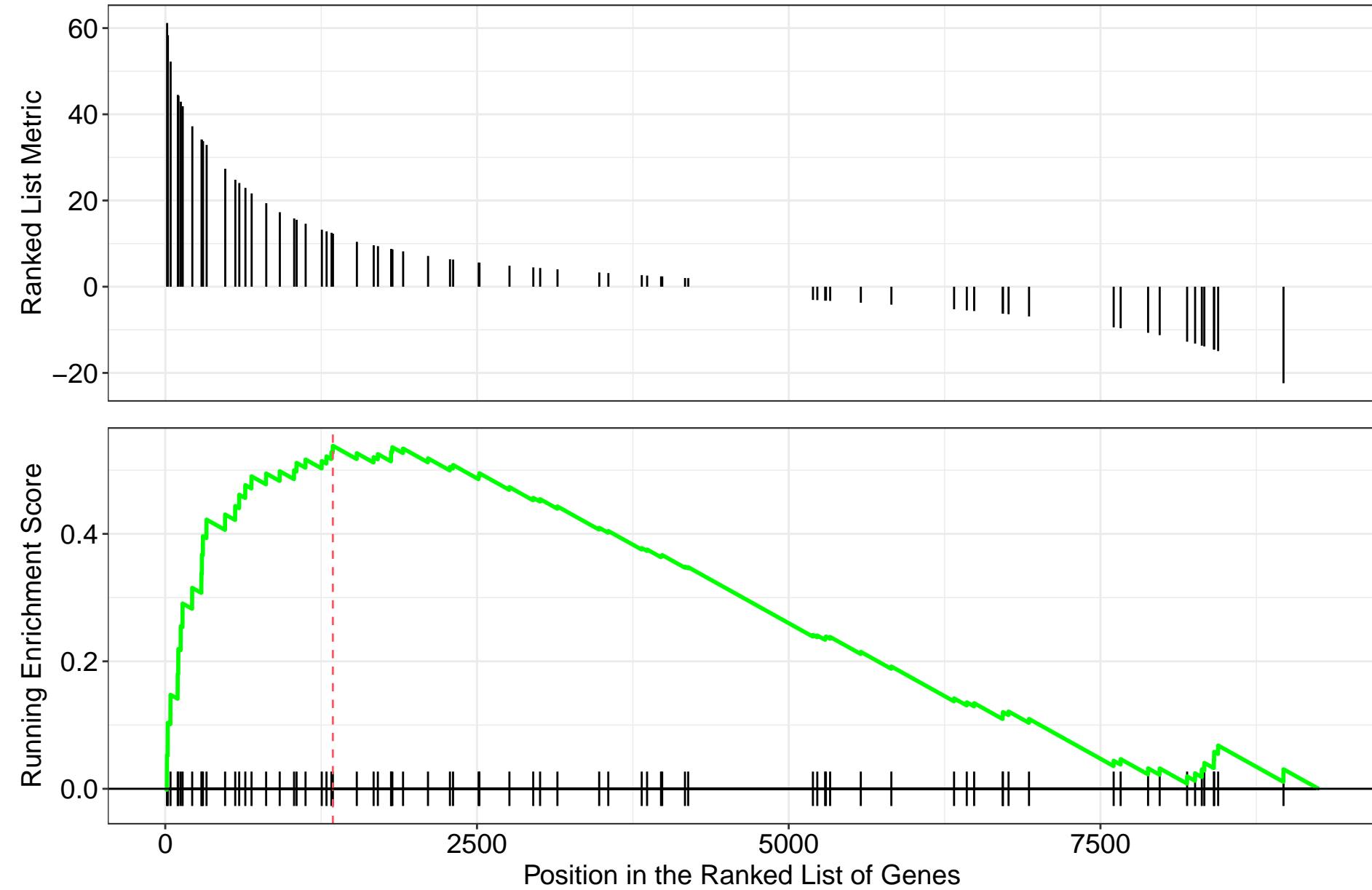
Running Enrichment Score

0 2500 5000 7500

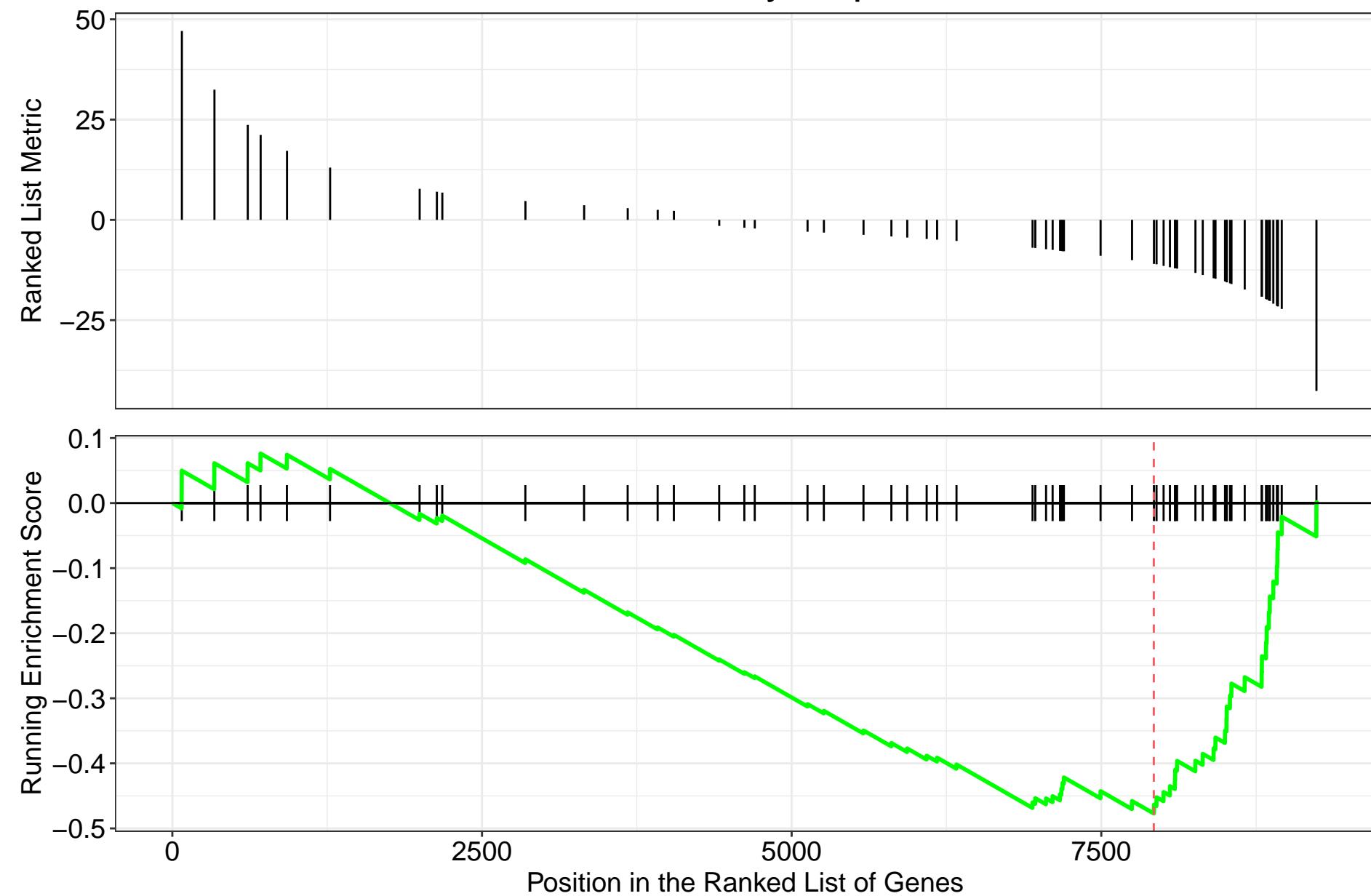
Position in the Ranked List of Genes



negative regulation of leukocyte cell–cell adhesion

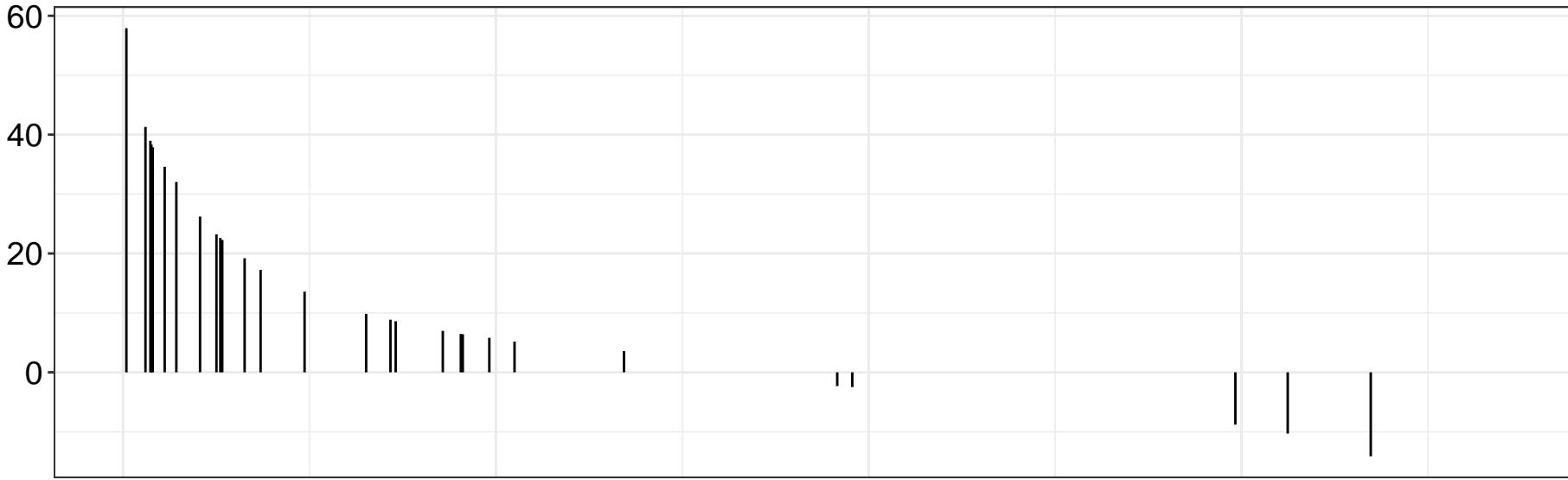


meiosis I cell cycle process



macrophage chemotaxis

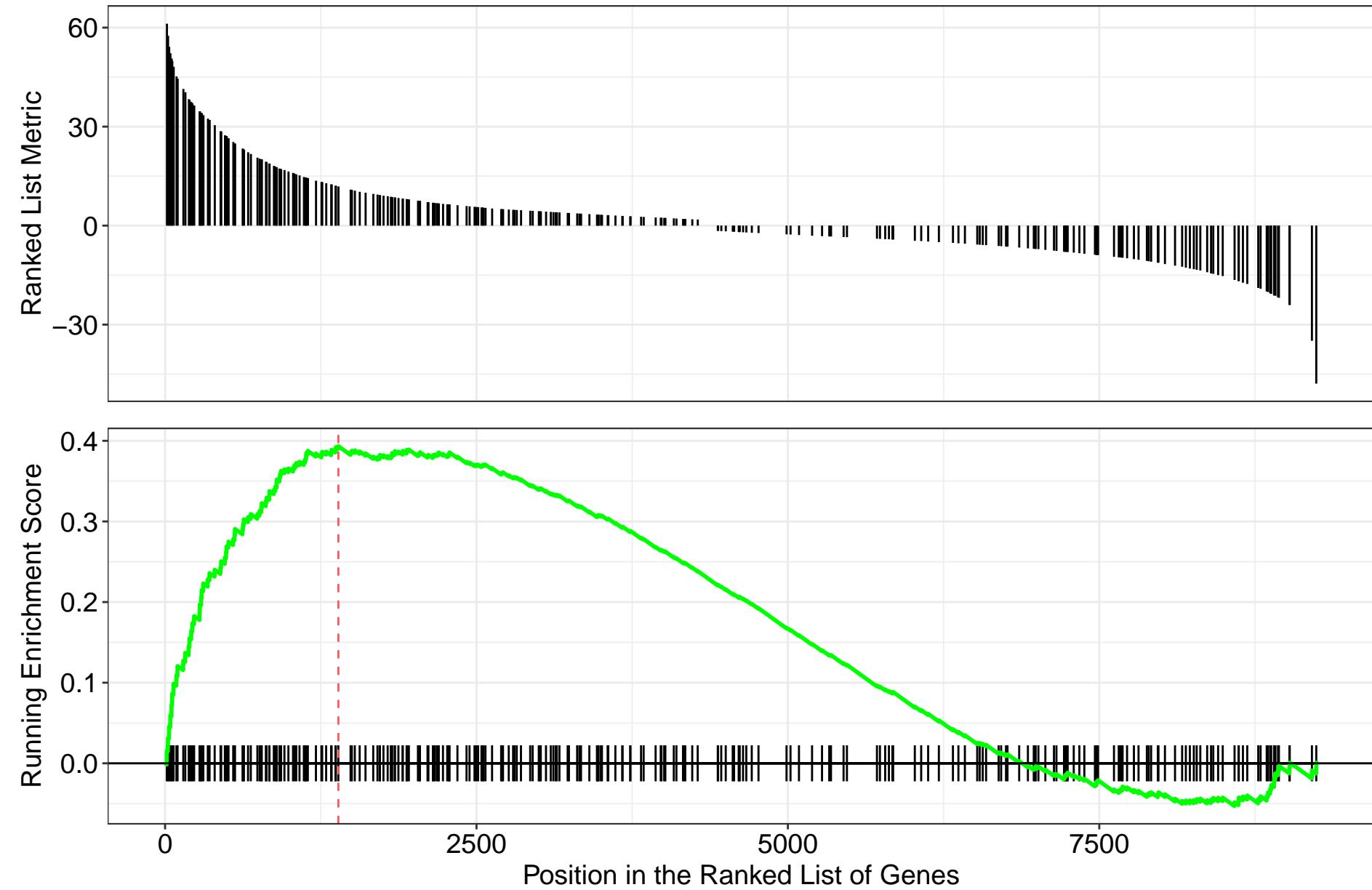
Ranked List Metric



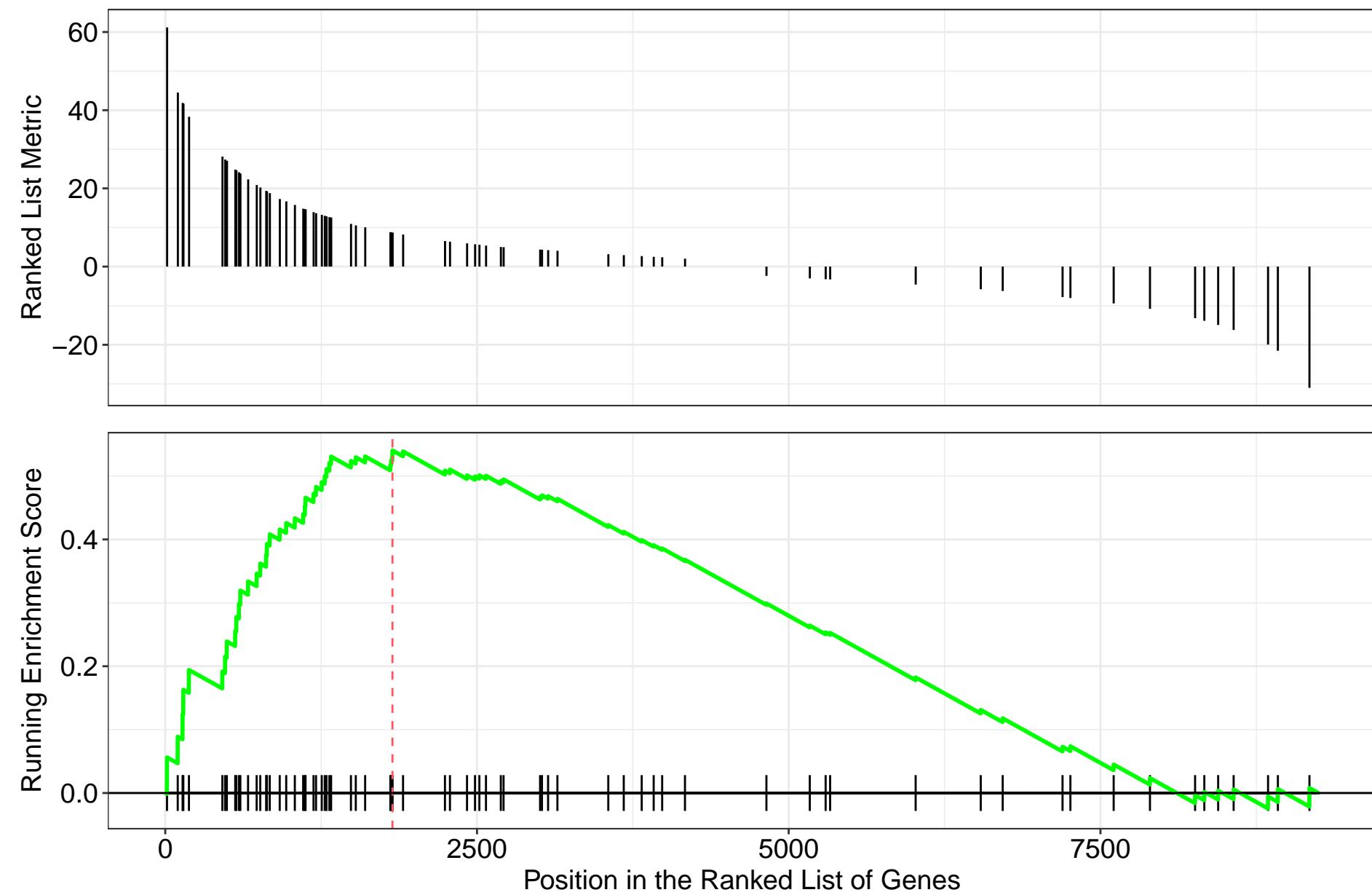
Running Enrichment Score



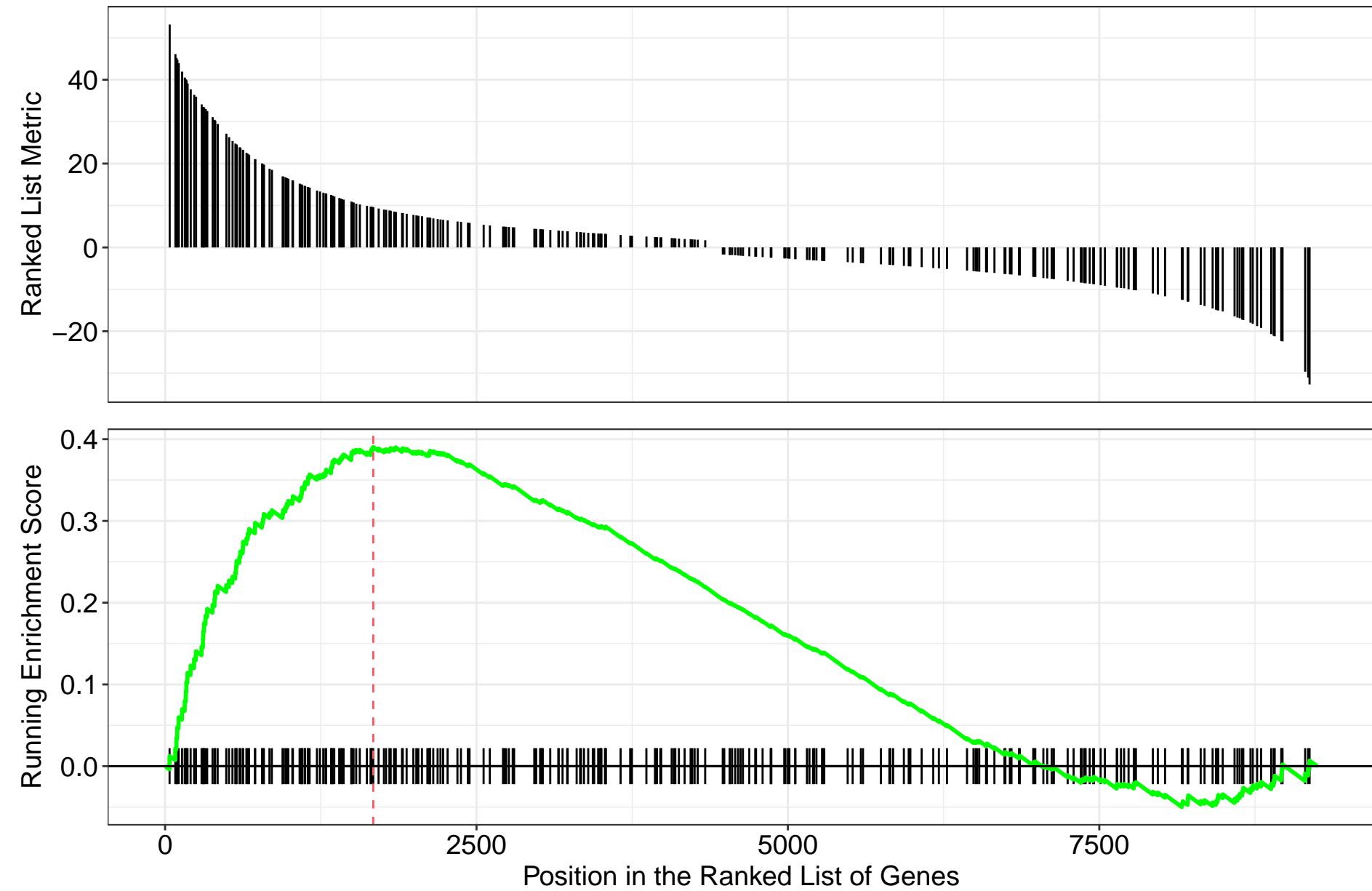
mononuclear cell differentiation



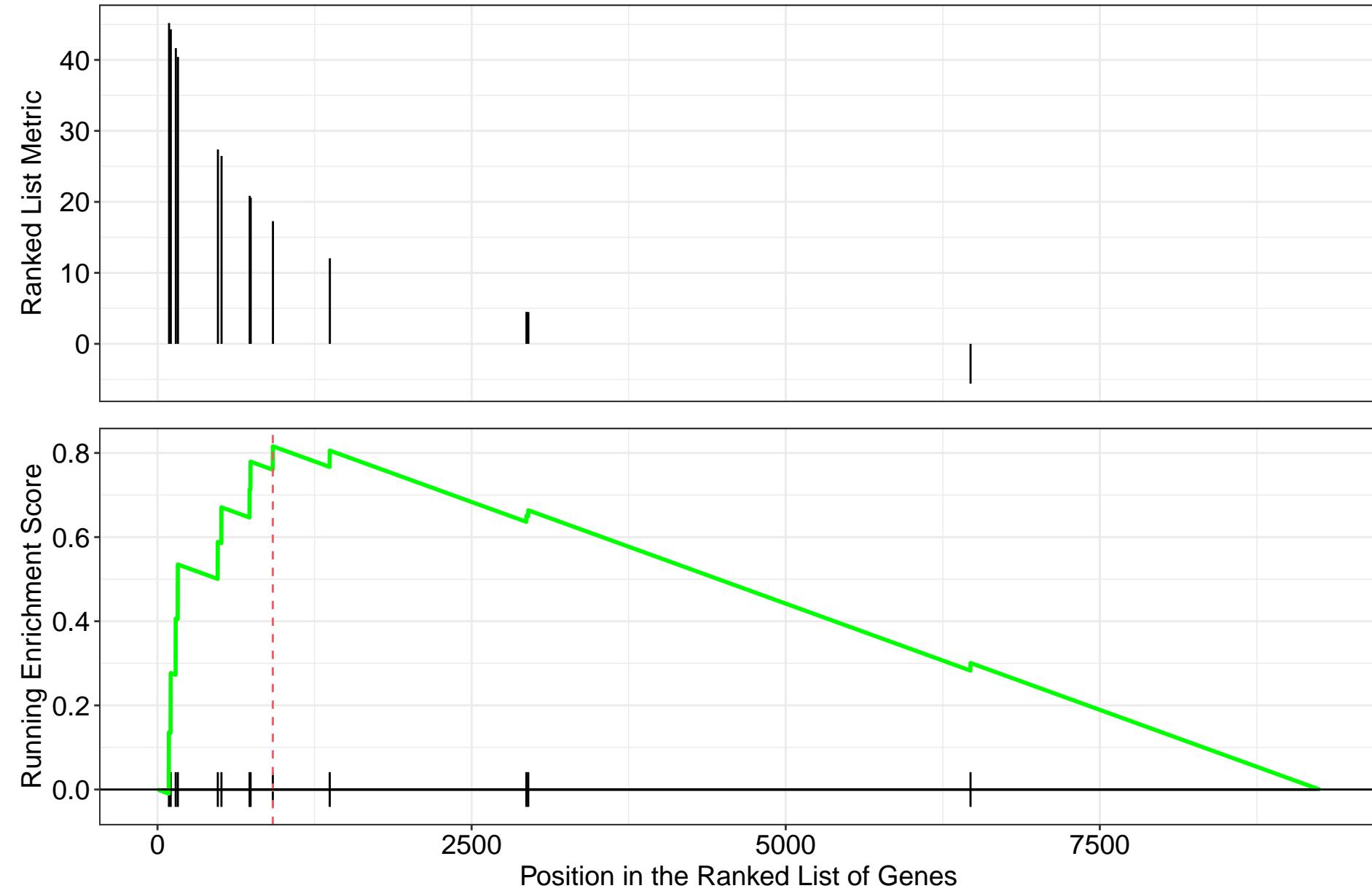
negative regulation of immune effector process



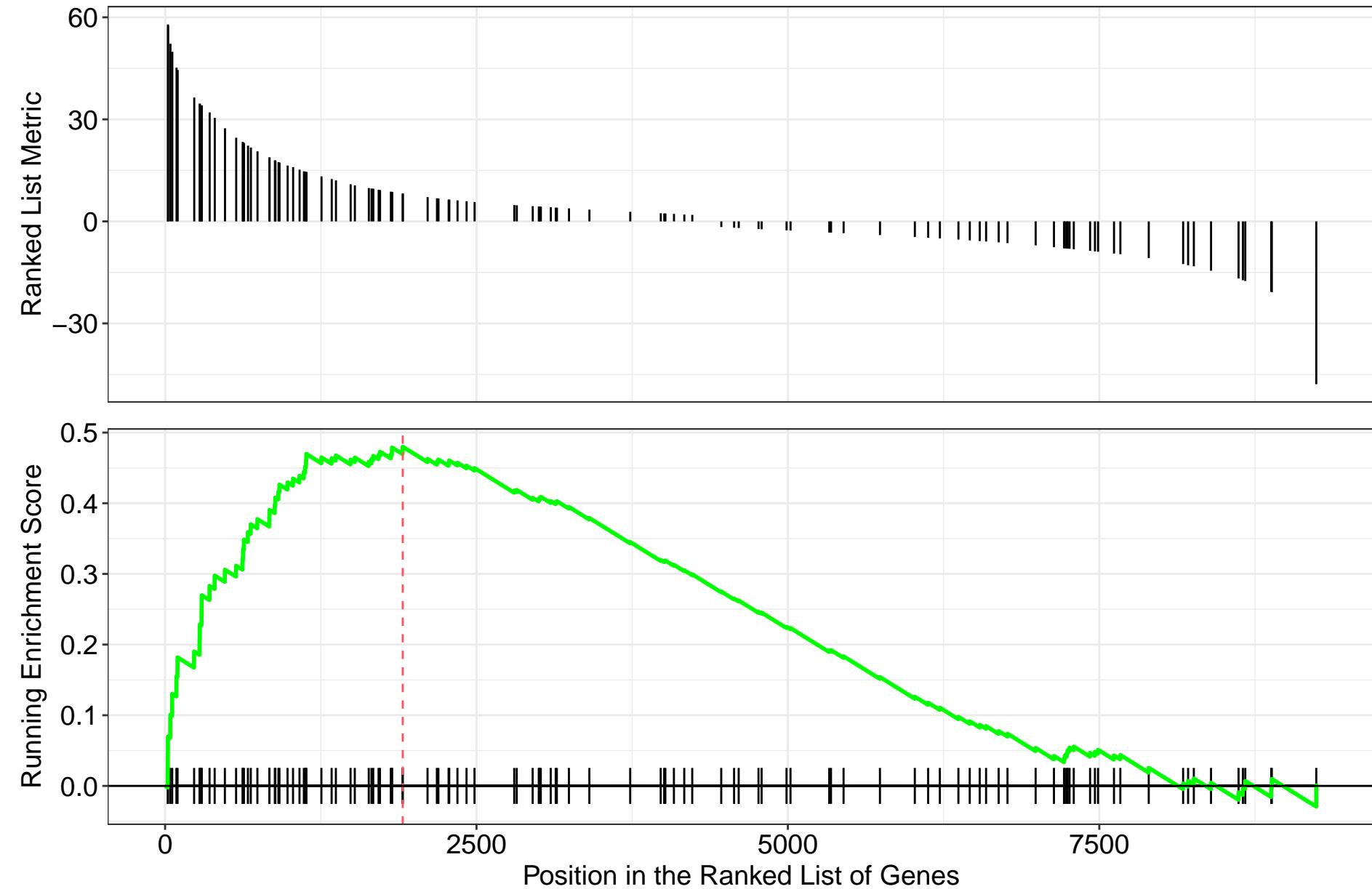
tissue morphogenesis



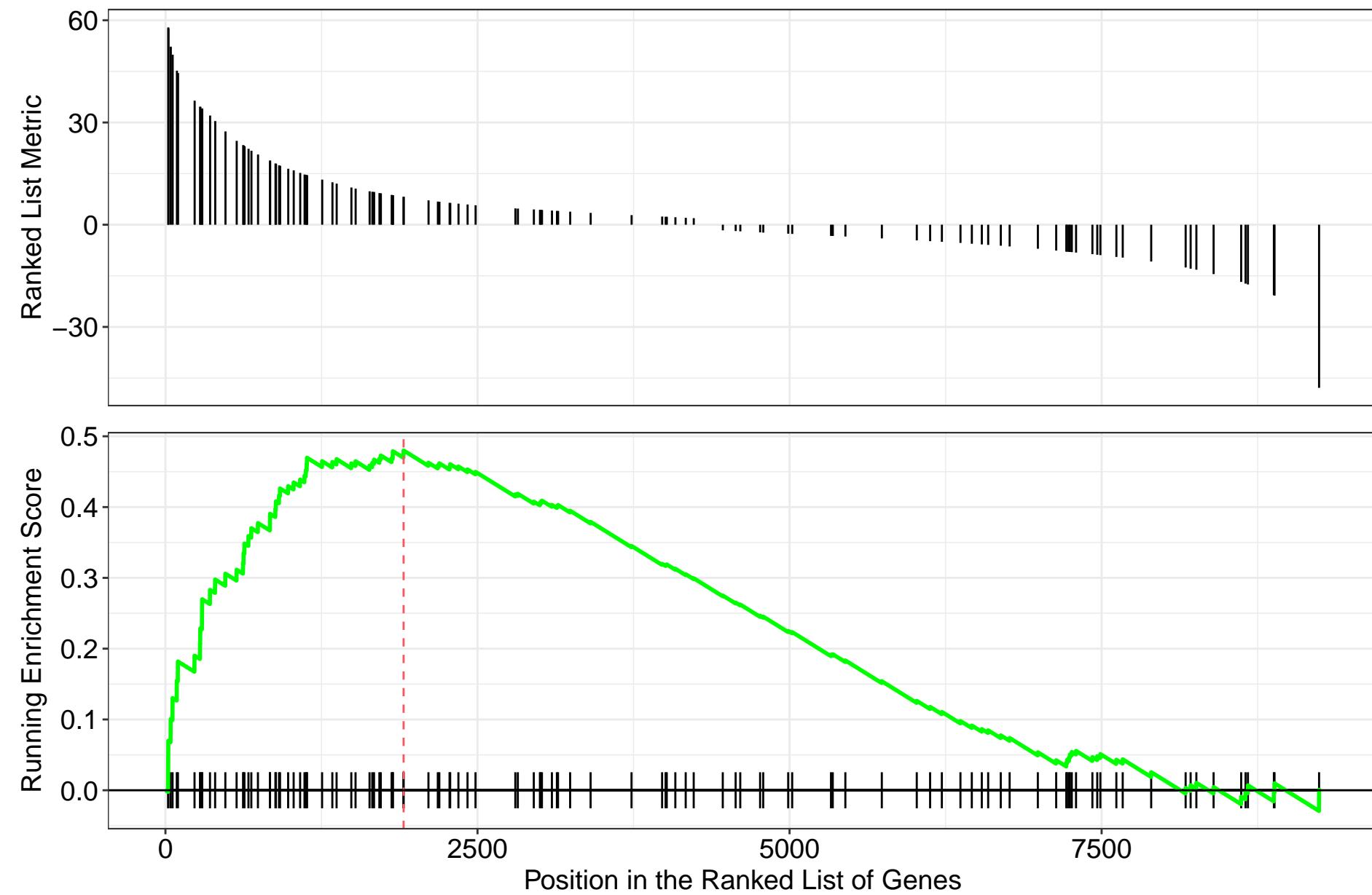
positive regulation of type 2 immune response



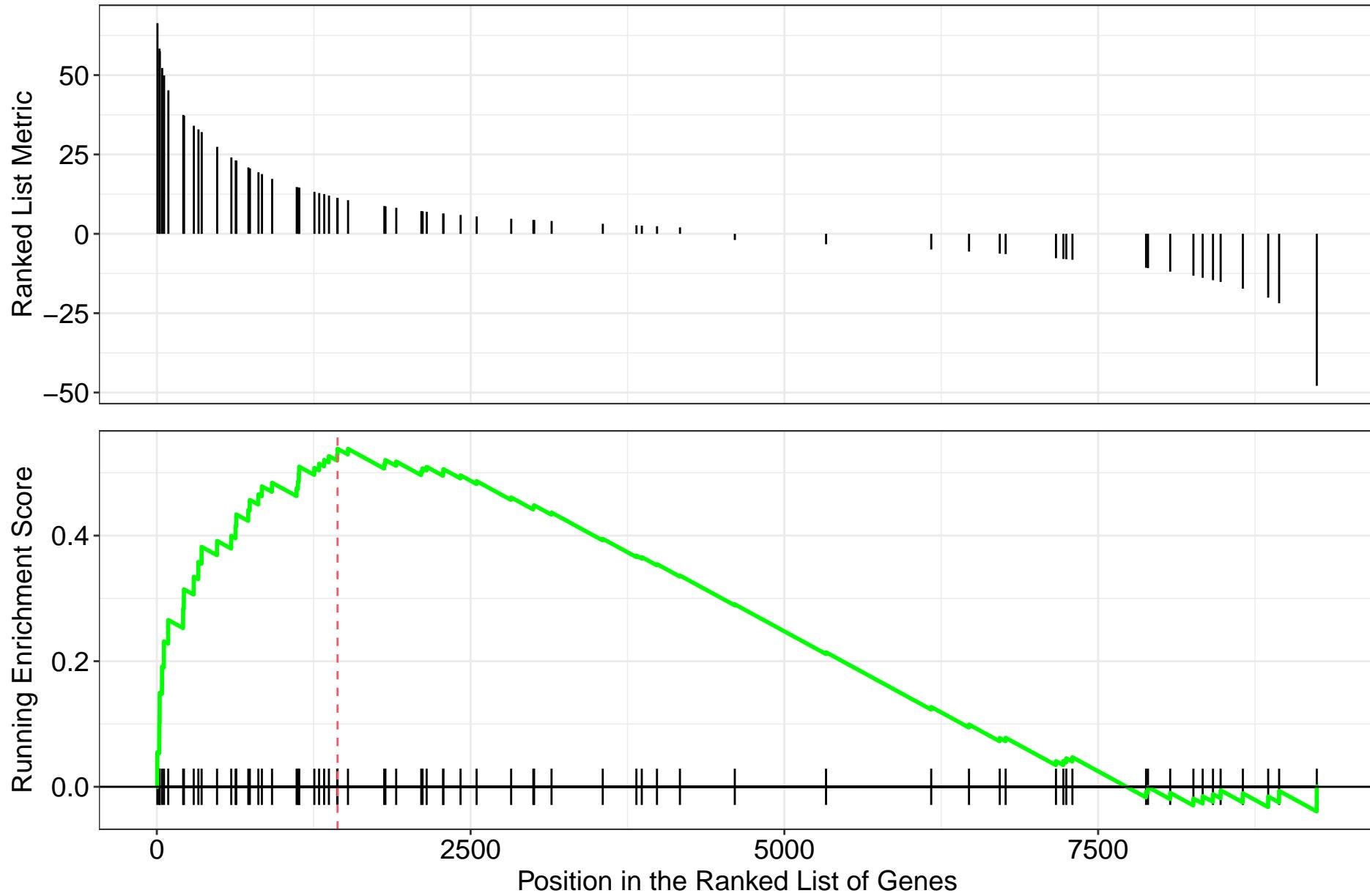
positive regulation of leukocyte differentiation



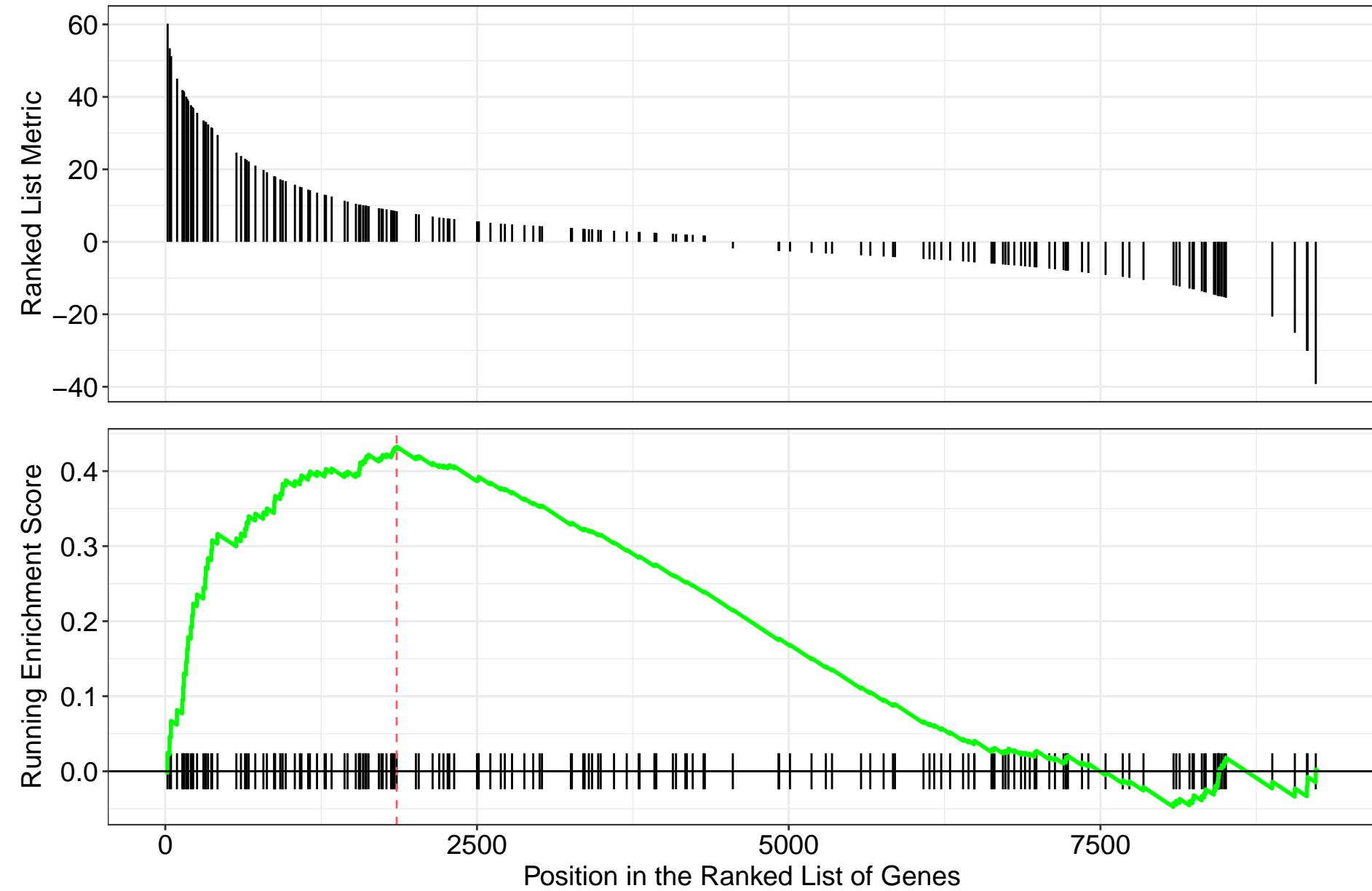
positive regulation of hemopoiesis



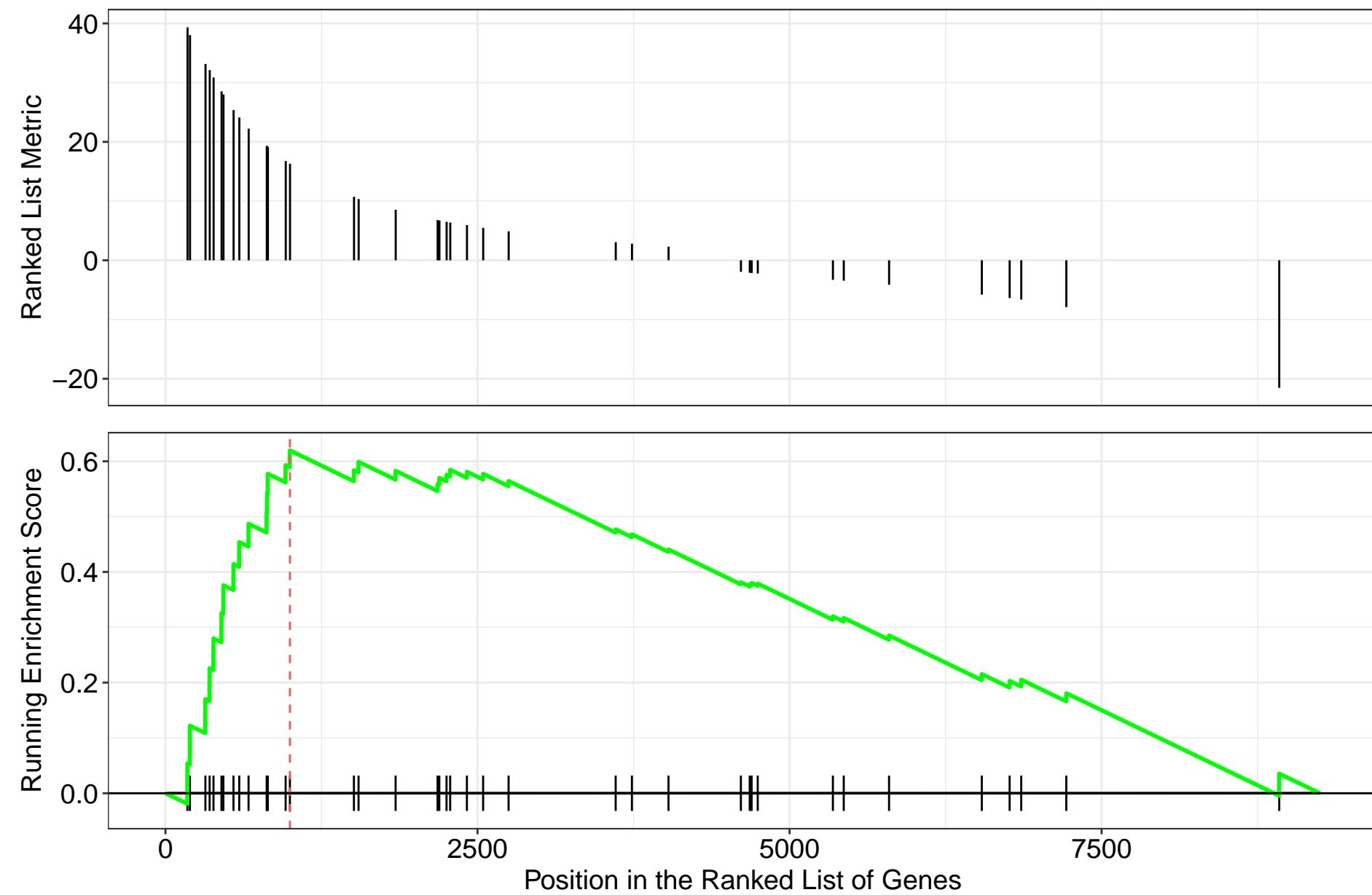
regulation of alpha–beta T cell activation



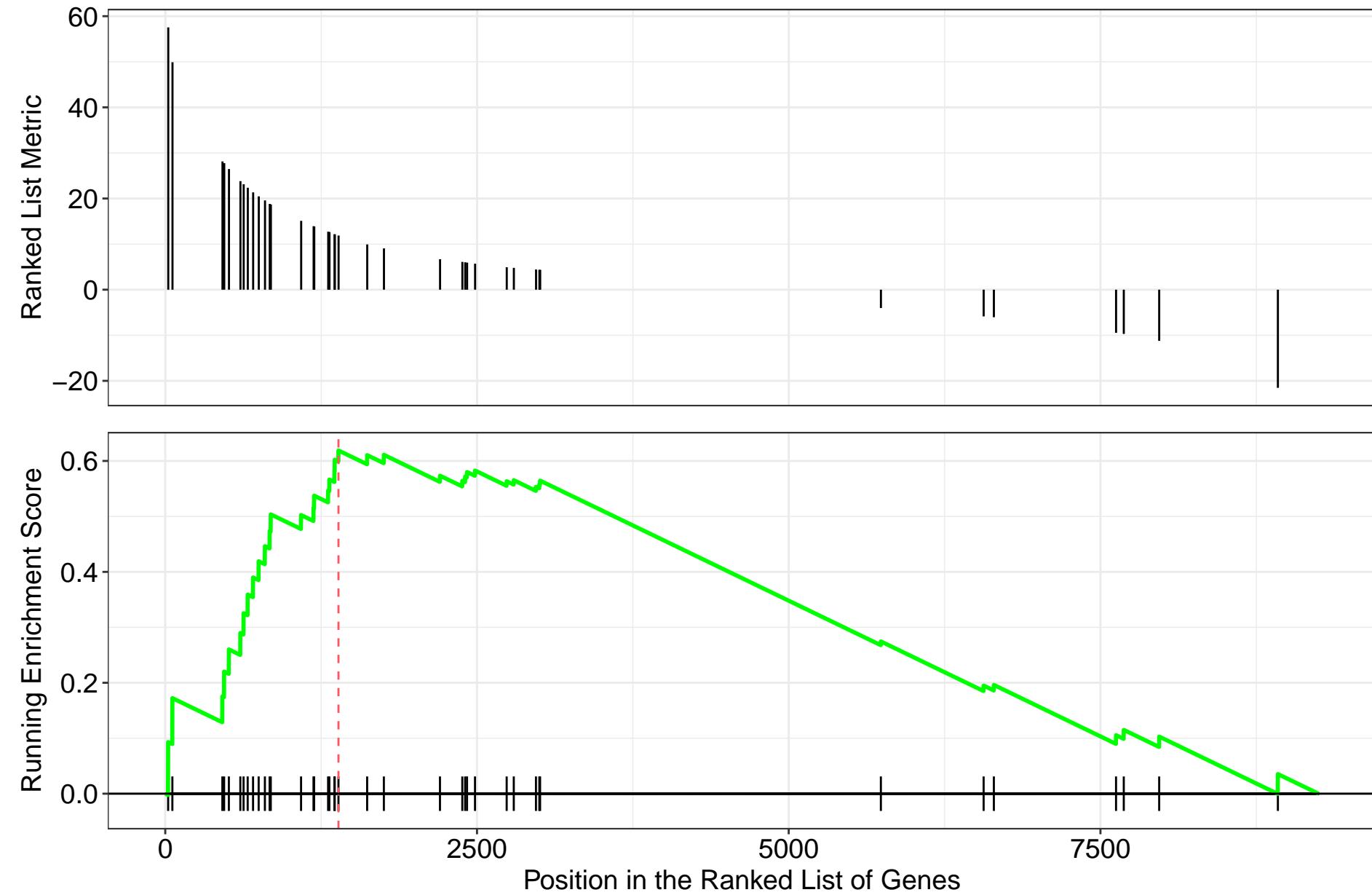
negative regulation of locomotion



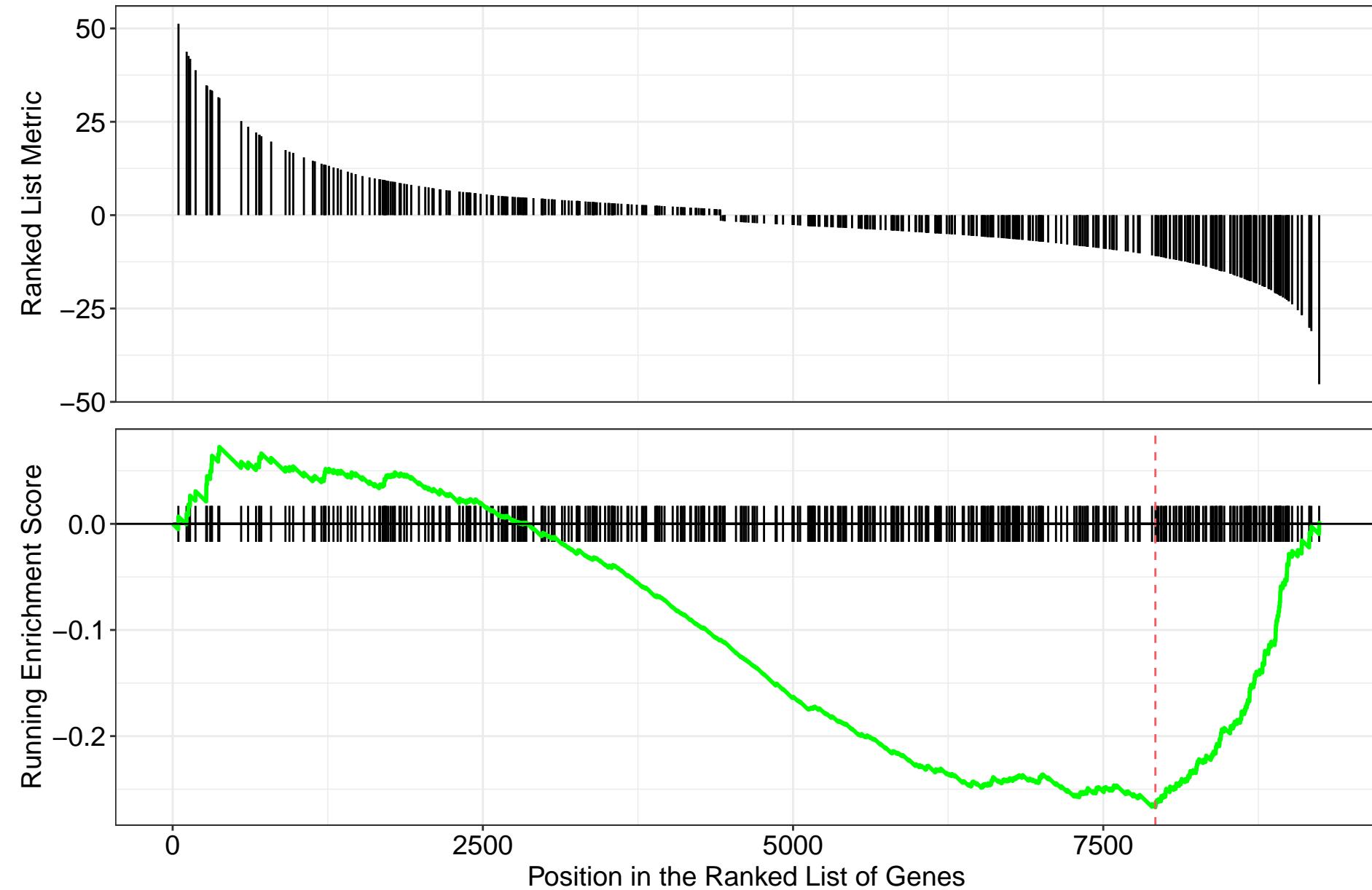
activation of innate immune response



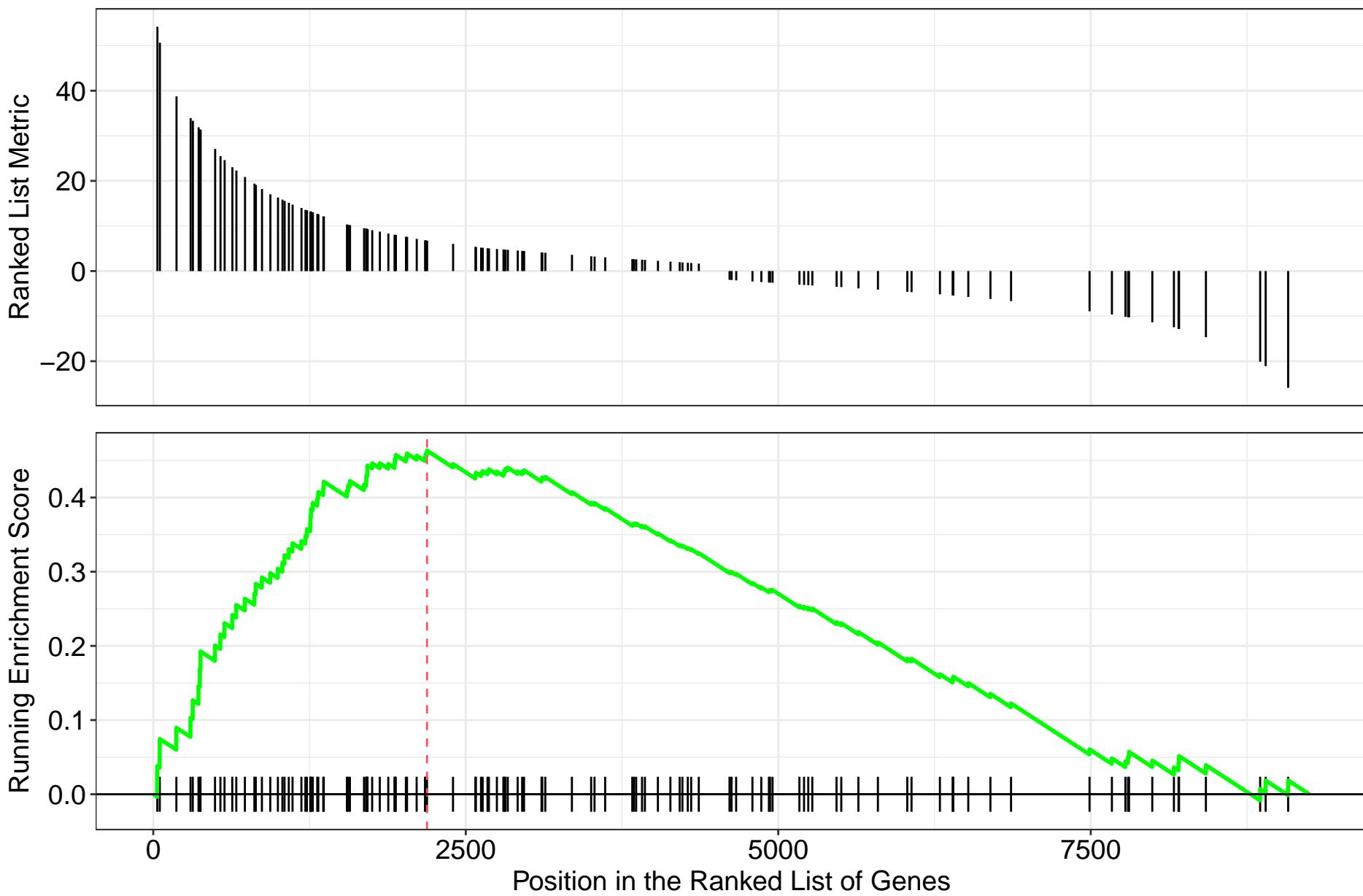
T cell mediated cytotoxicity



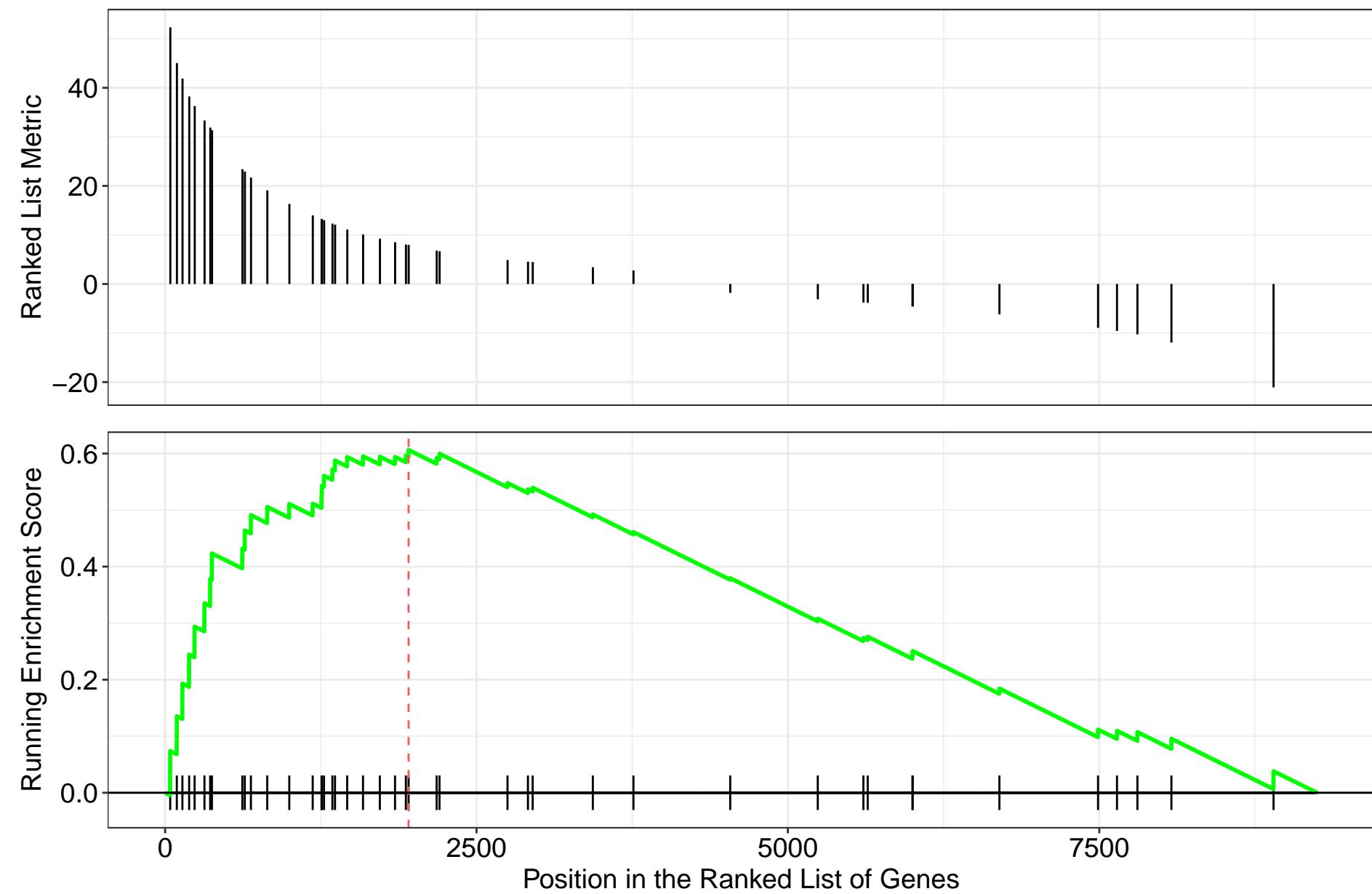
microtubule–based process



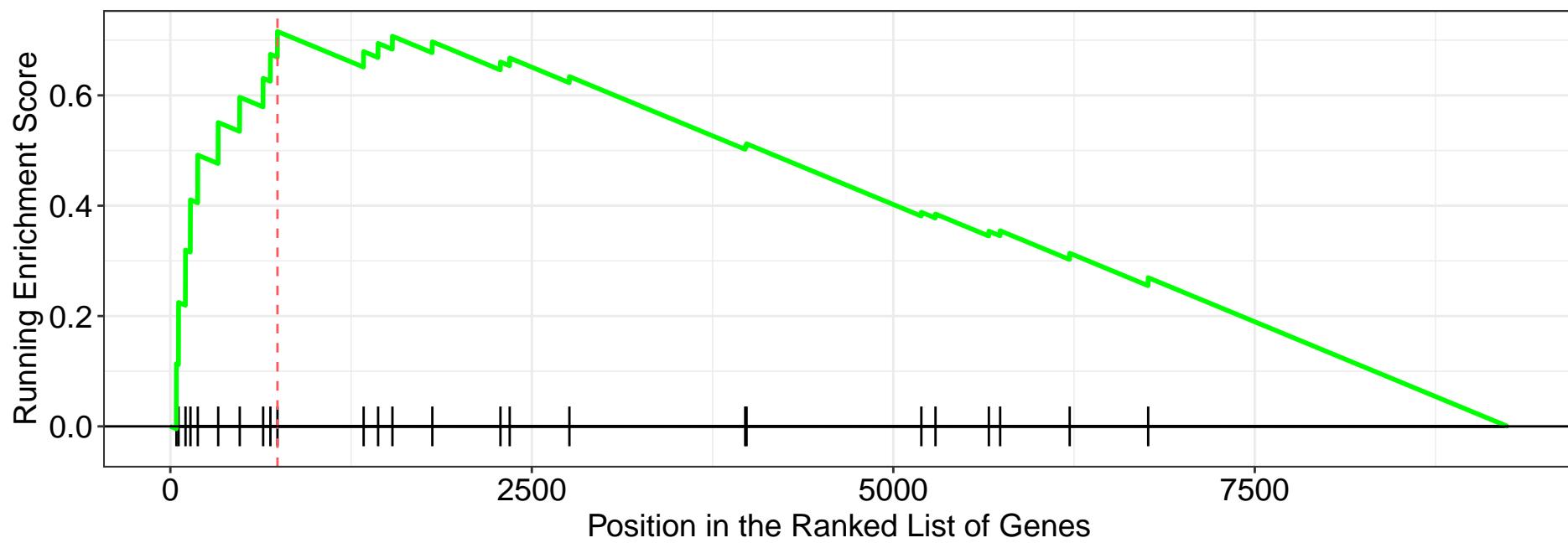
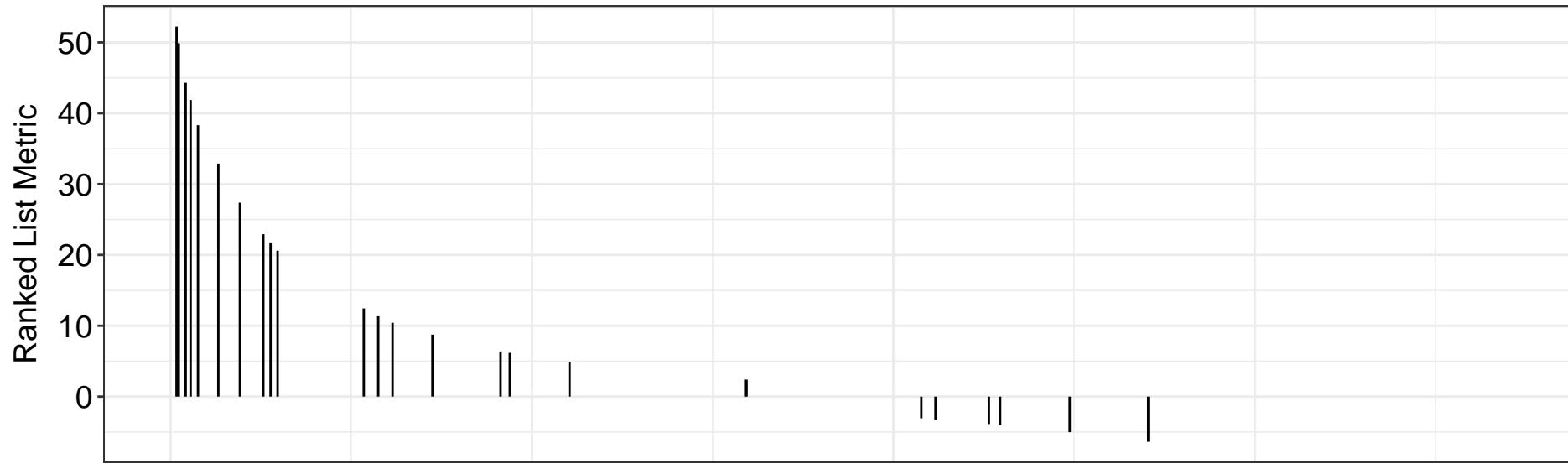
regulation of I-kappaB kinase/NF-kappaB signaling



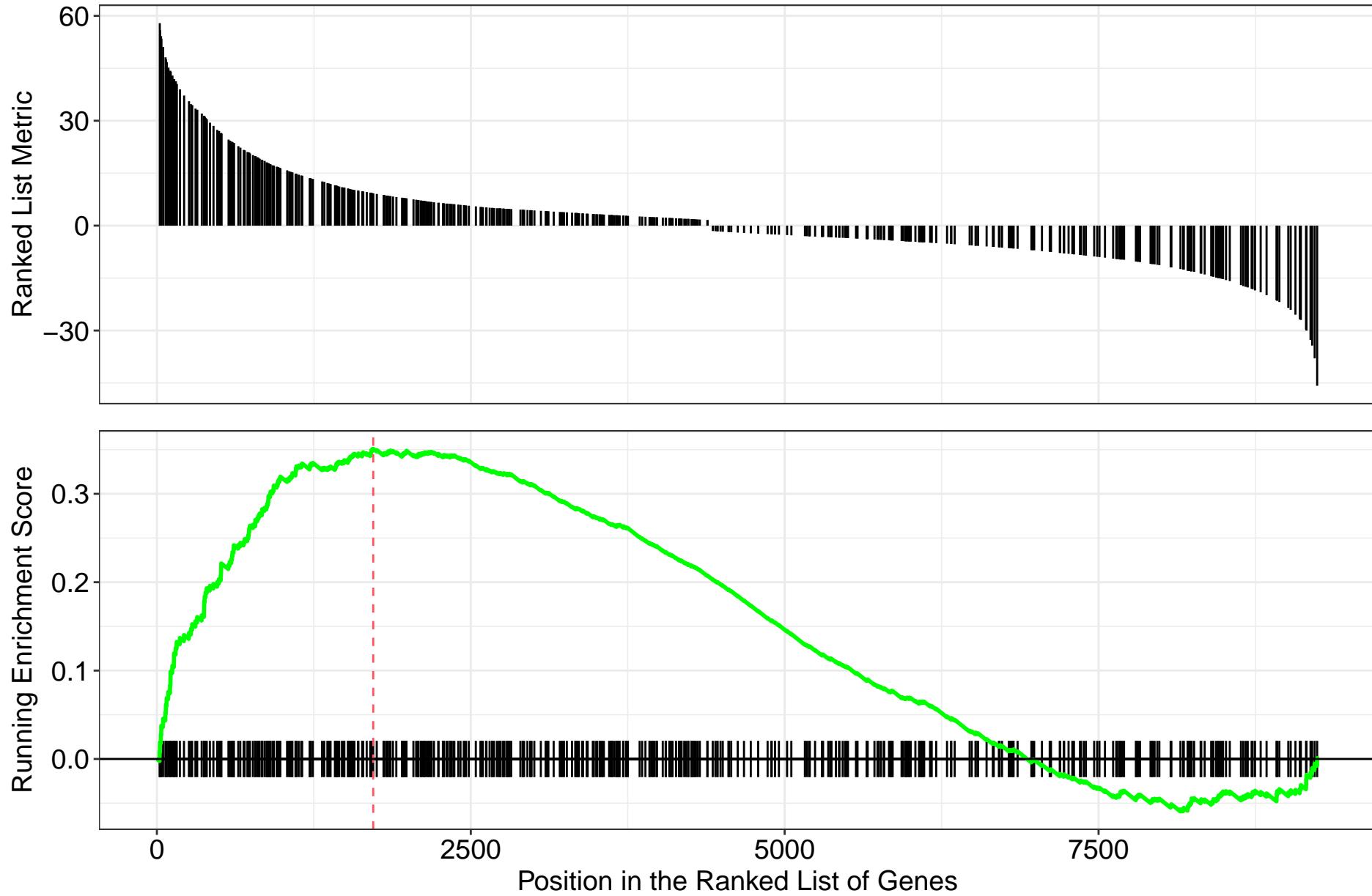
regulation of biological process involved in symbiotic interaction



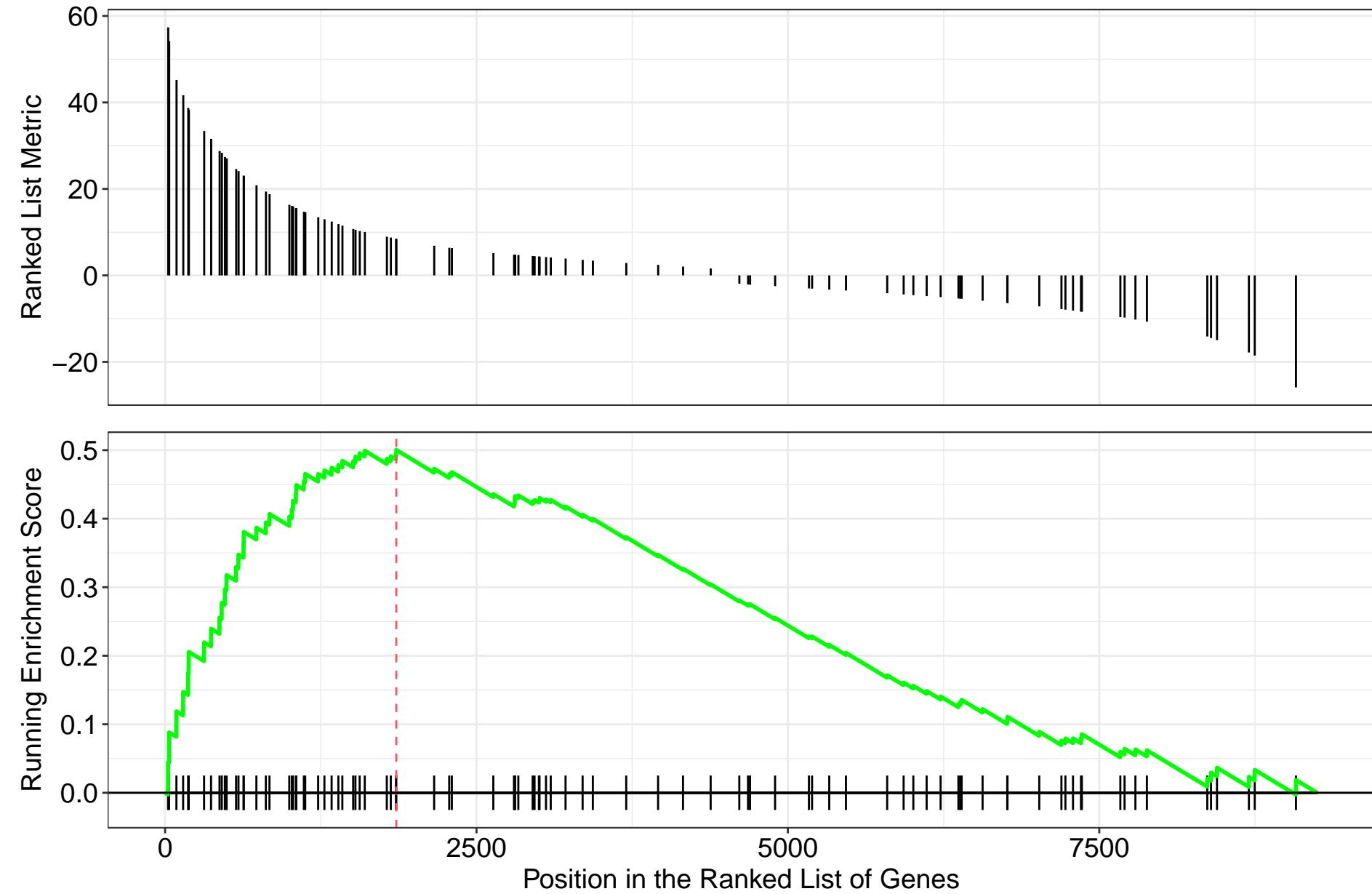
regulation of activated T cell proliferation



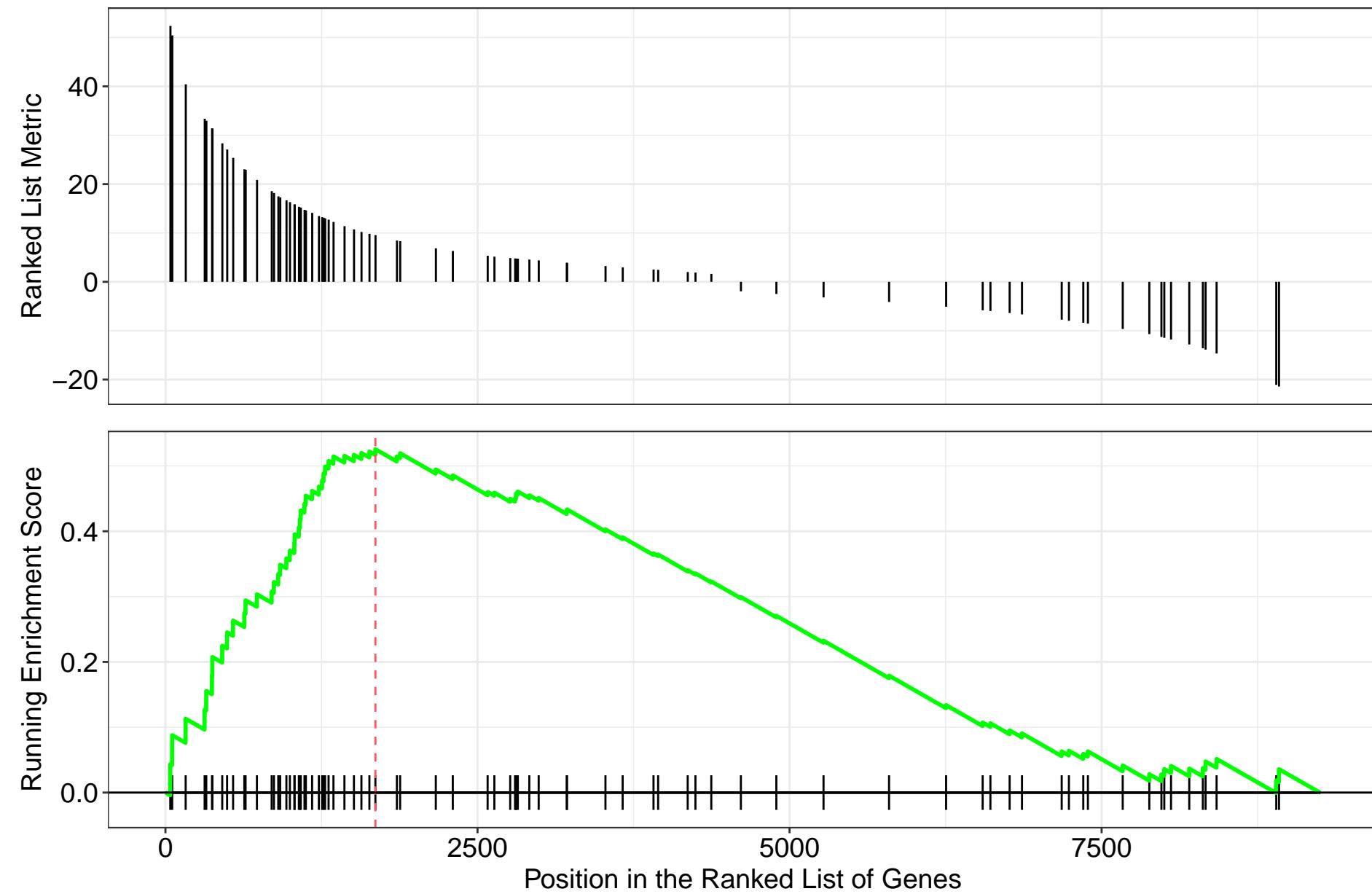
negative regulation of apoptotic process



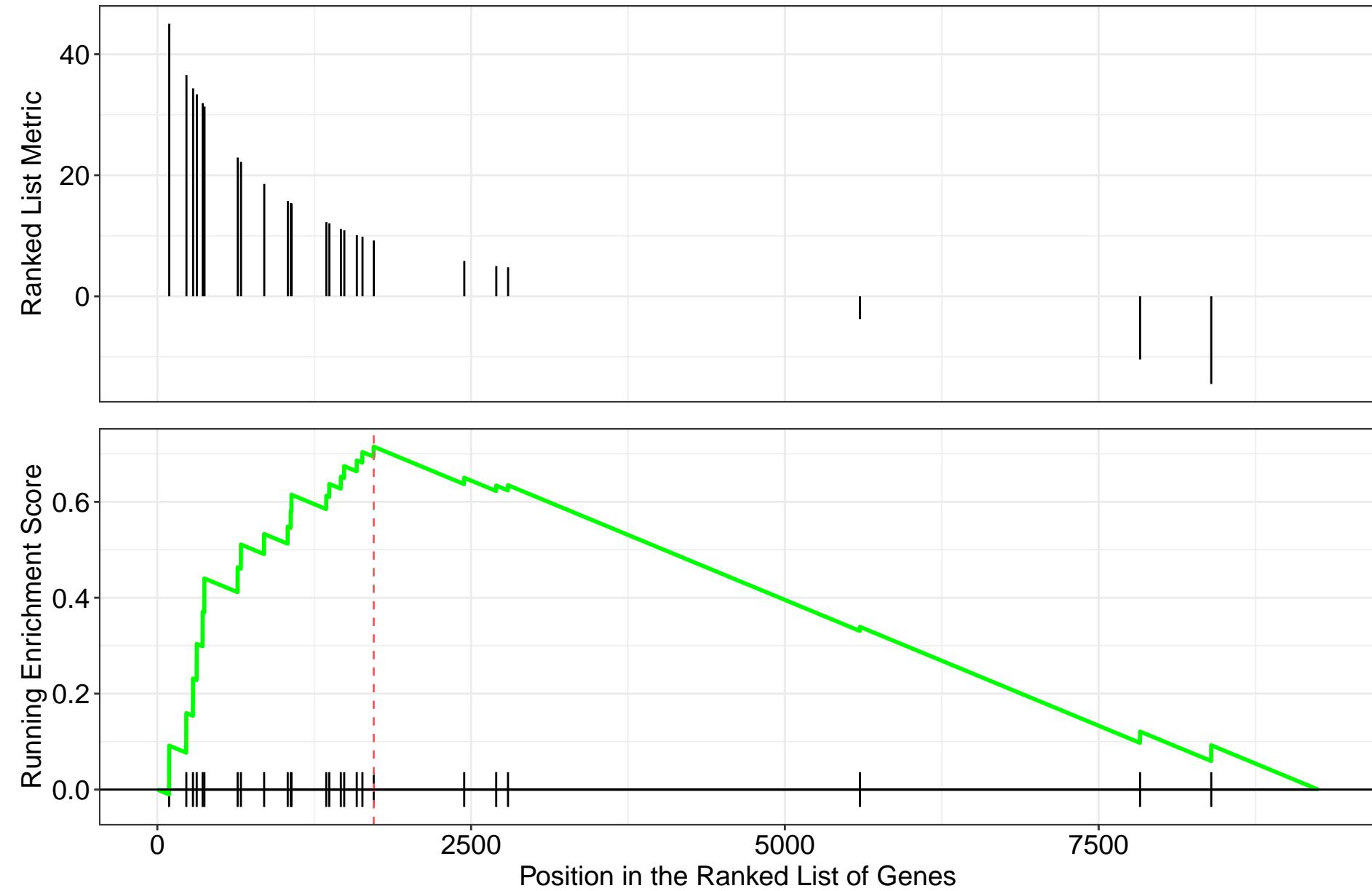
regulation of interleukin–6 production



toll-like receptor signaling pathway

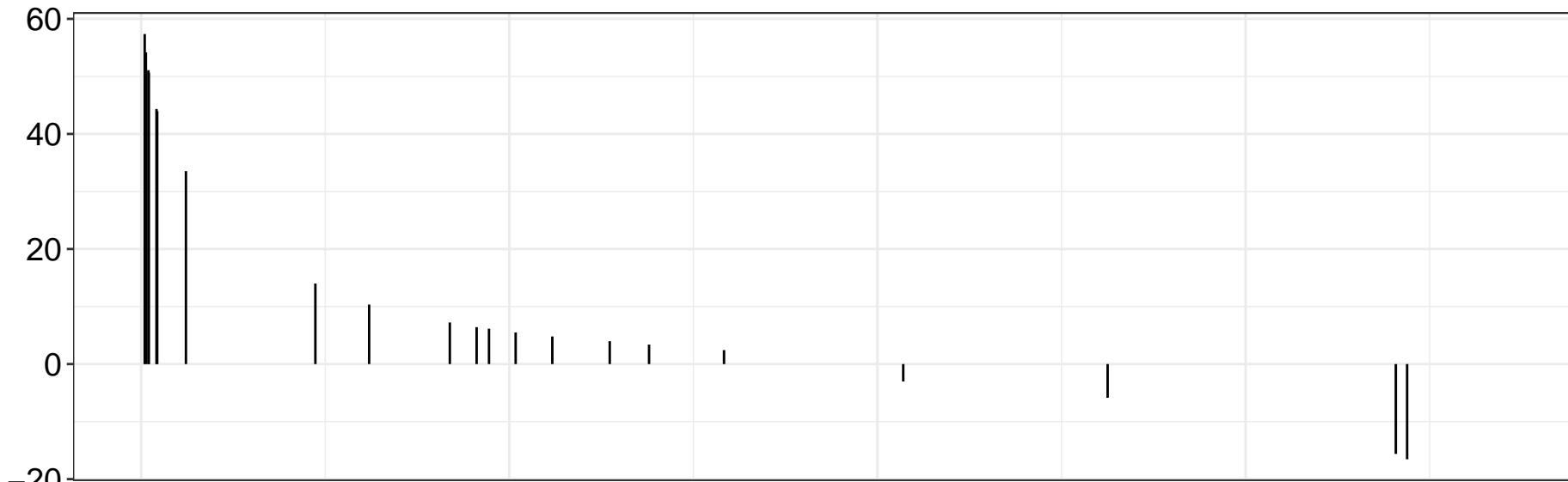


response to interferon–alpha



lipid export from cell

Ranked List Metric



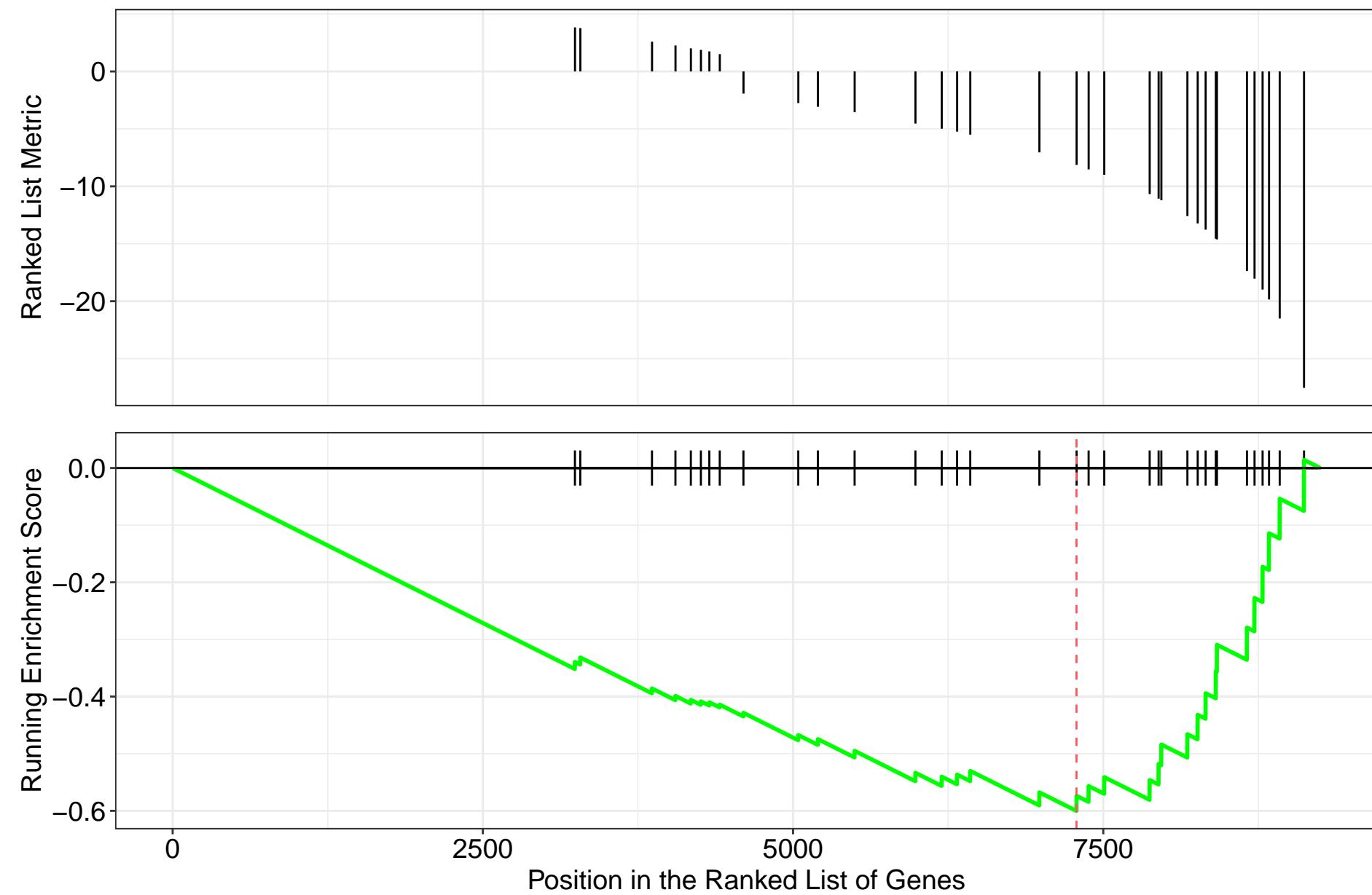
Running Enrichment Score

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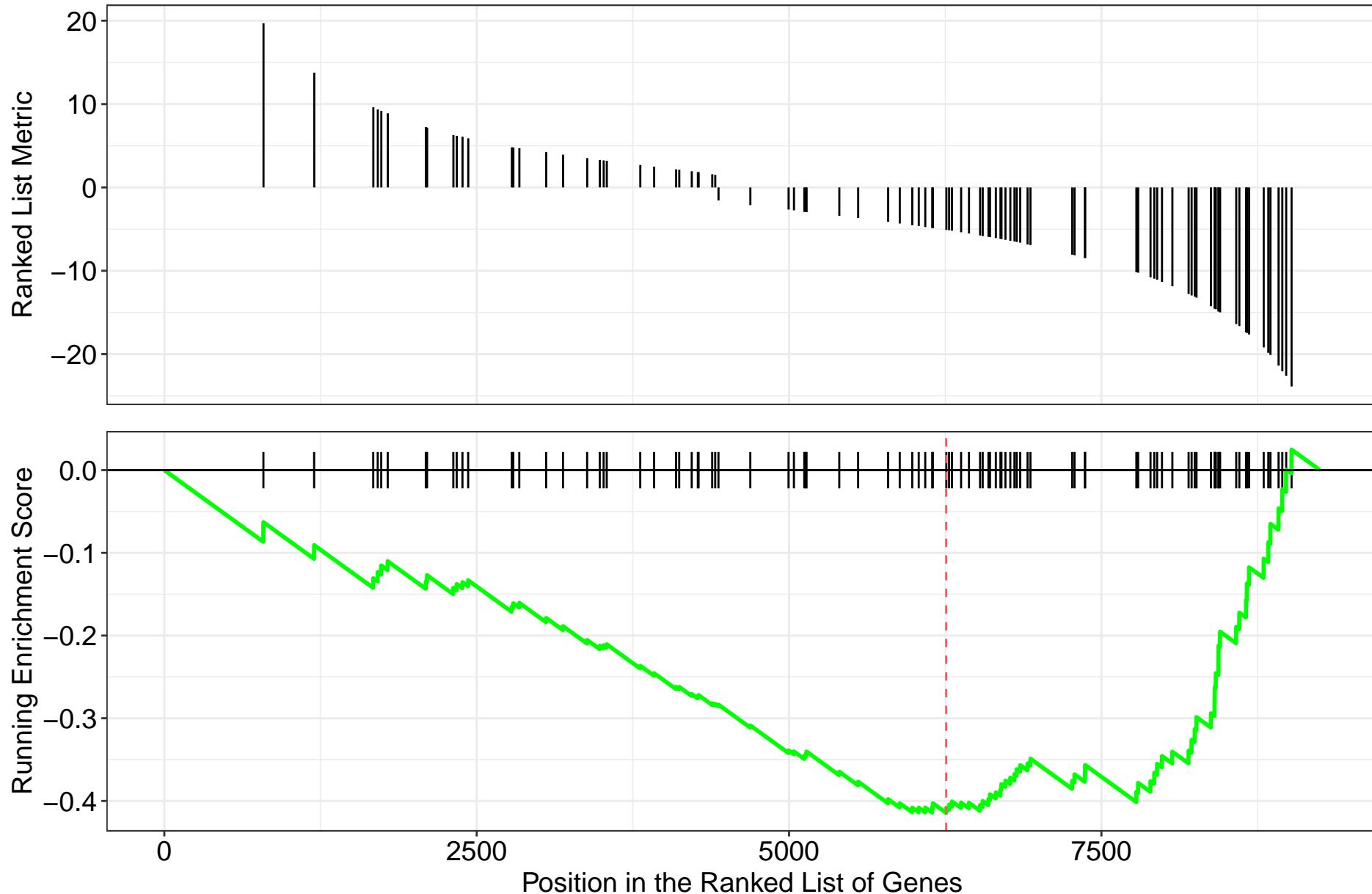
Position in the Ranked List of Genes



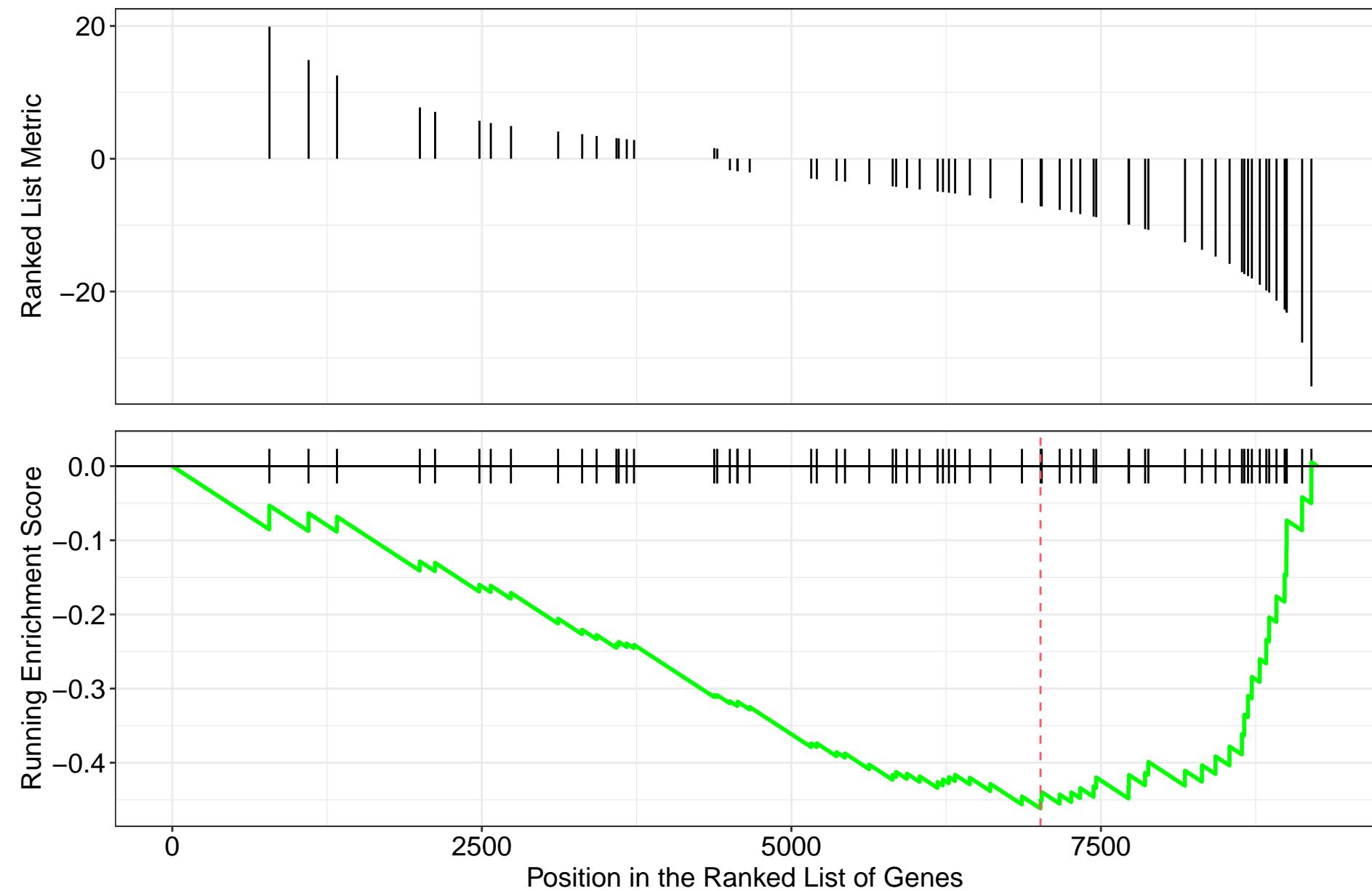
regulation of cell cycle checkpoint



microtubule organizing center organization

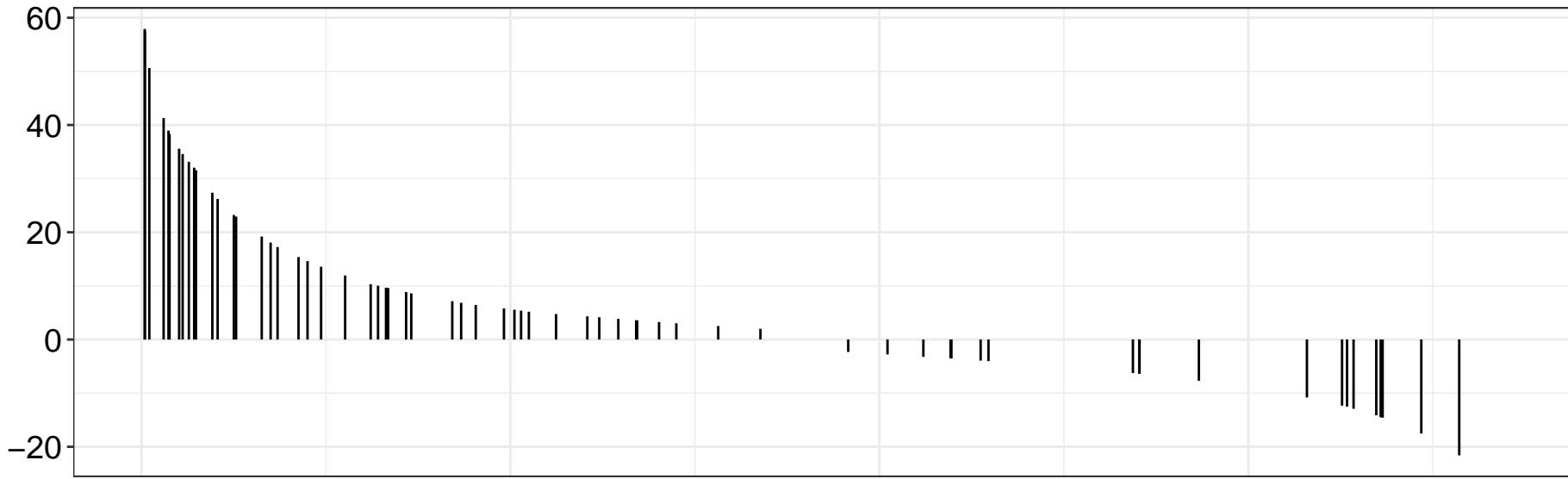


protein localization to chromosome



regulation of mononuclear cell migration

Ranked List Metric



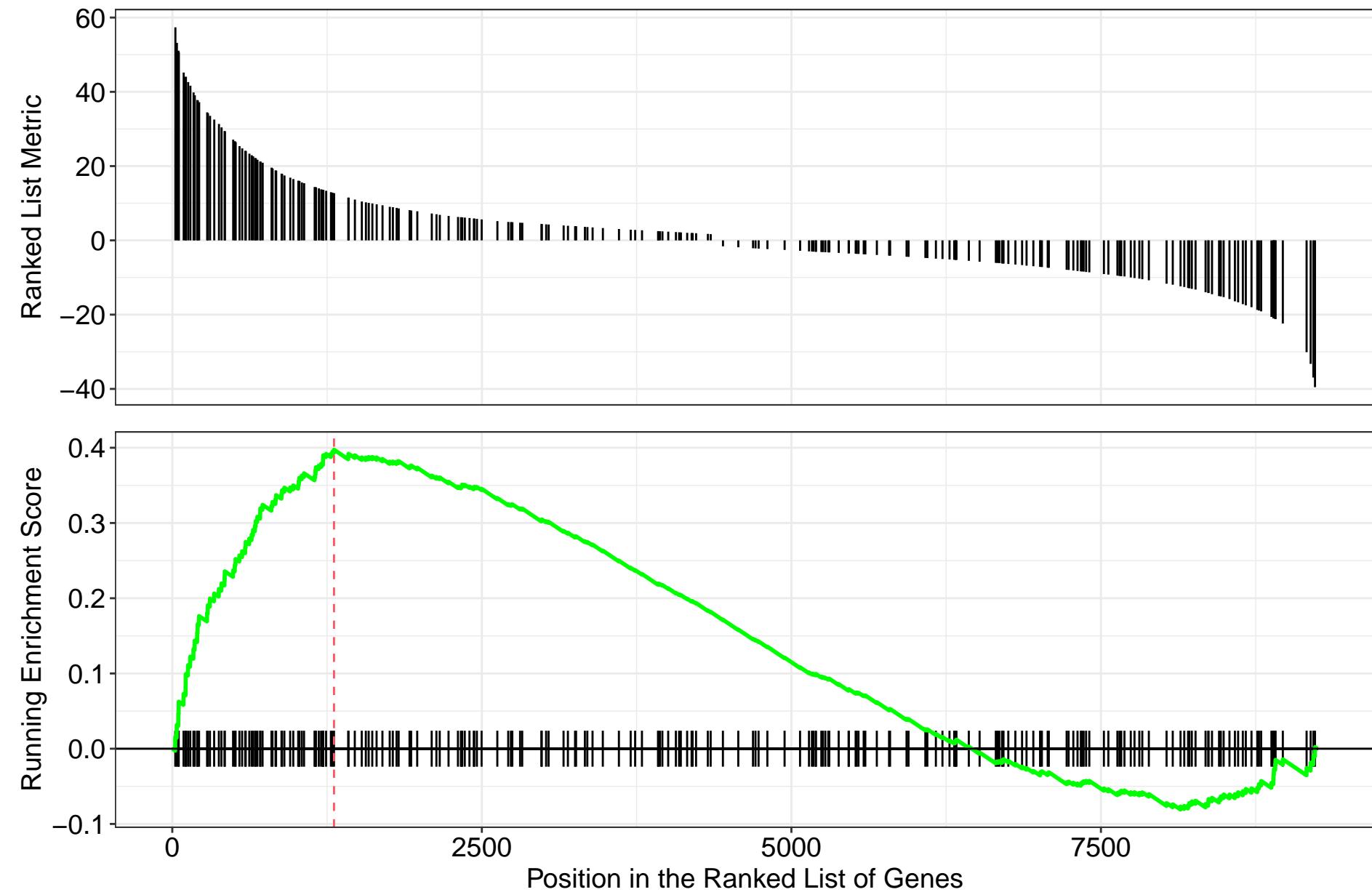
Running Enrichment Score

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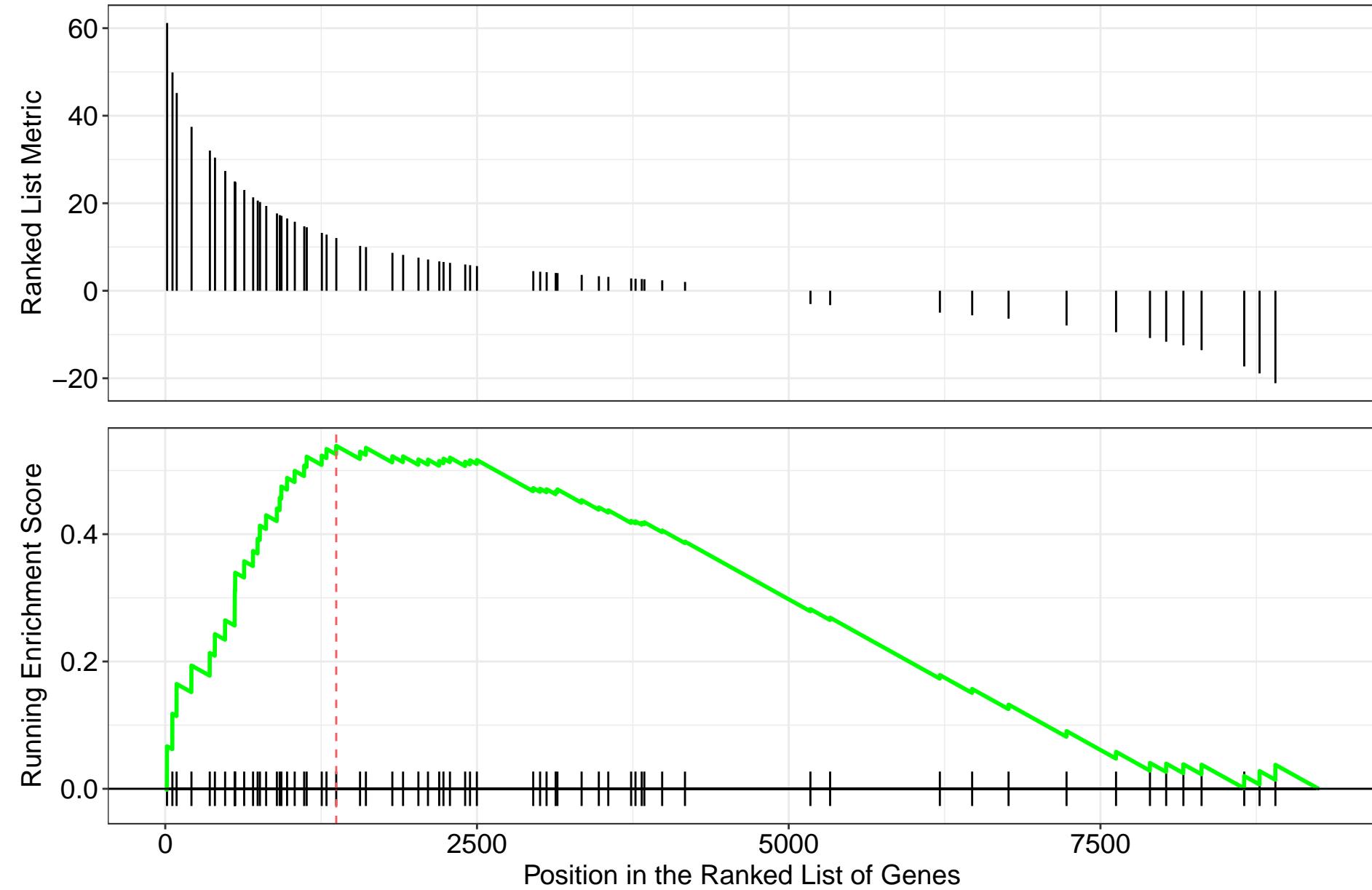
Position in the Ranked List of Genes



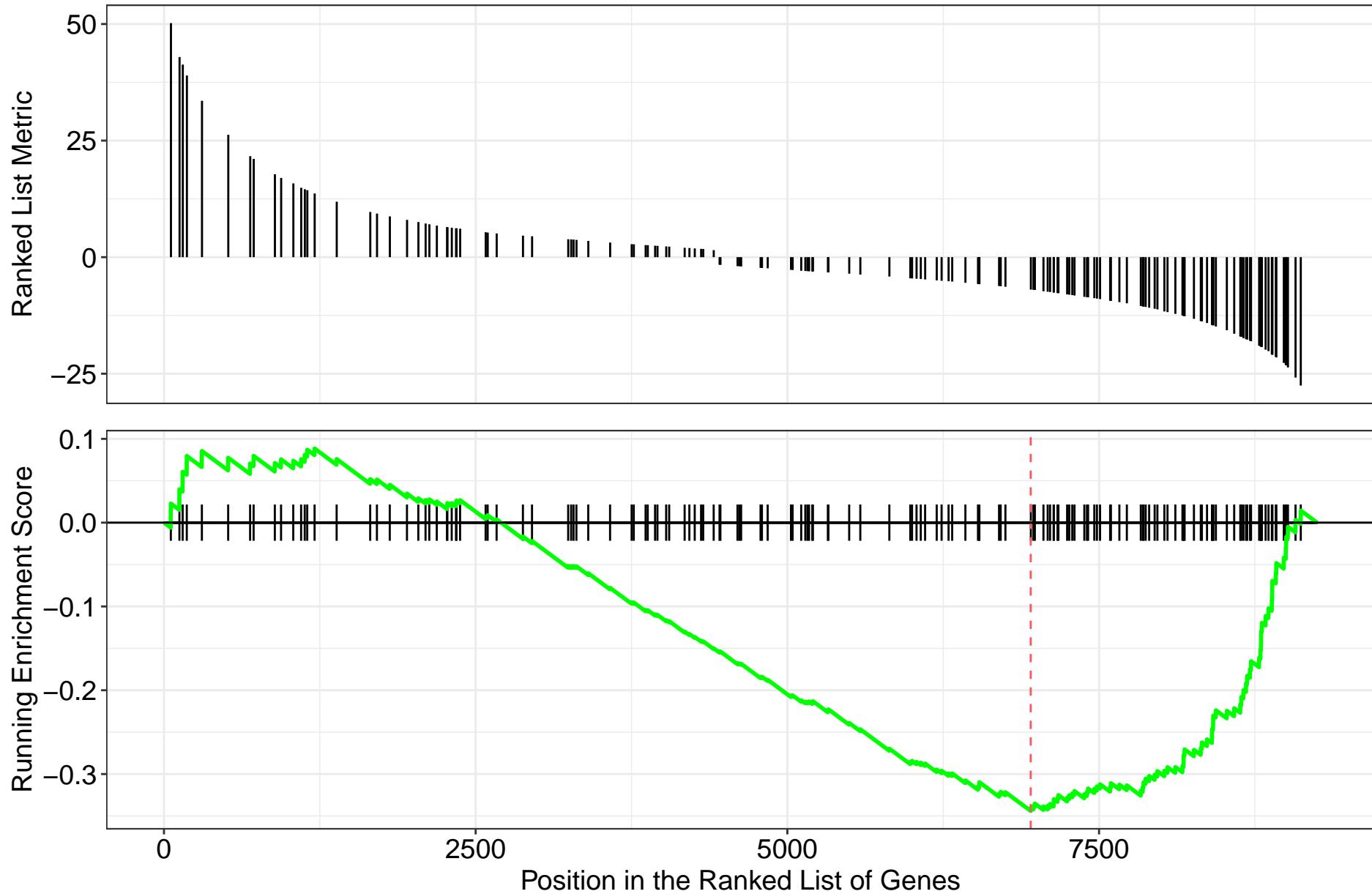
regulation of system process



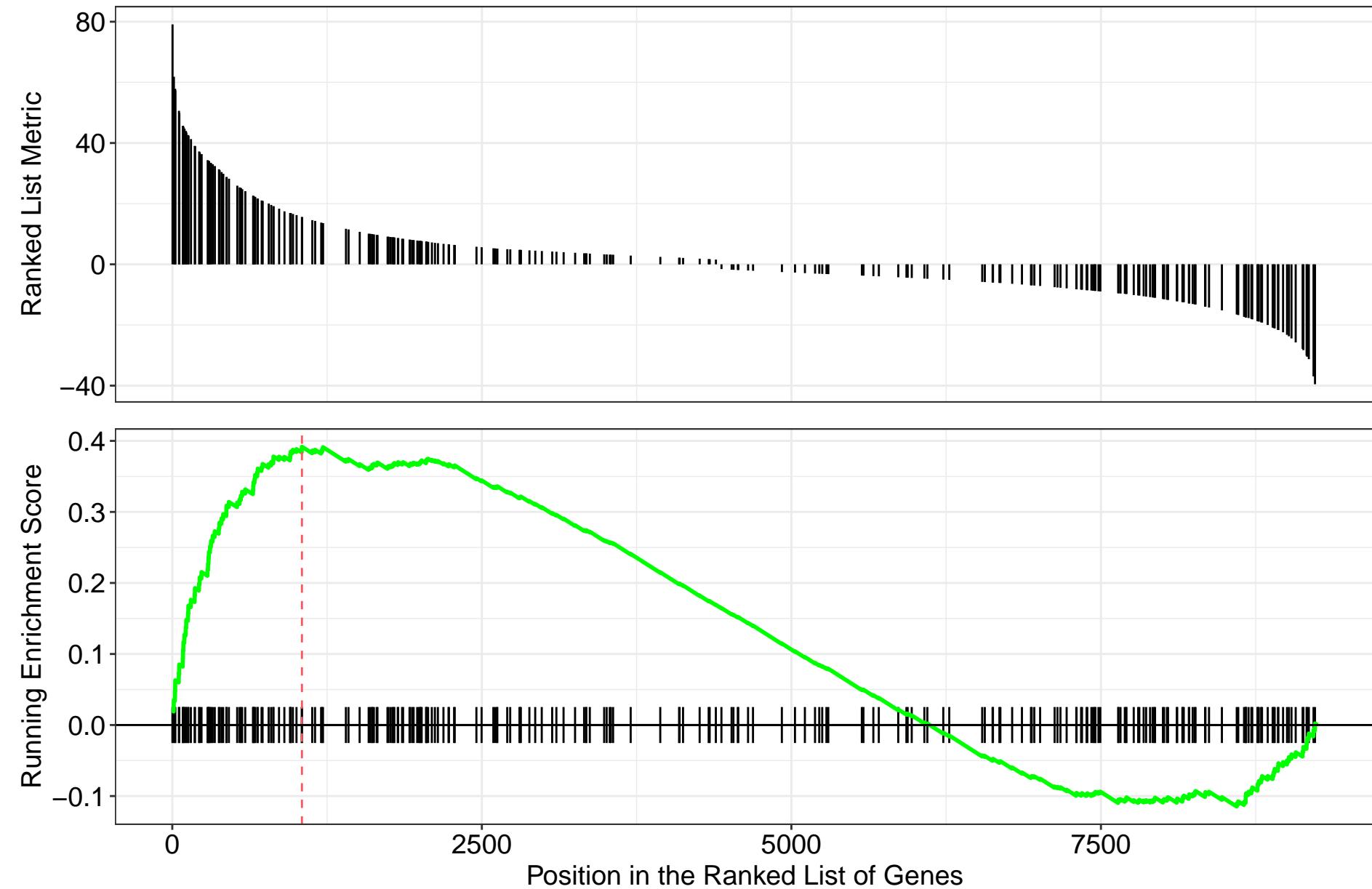
T cell activation involved in immune response



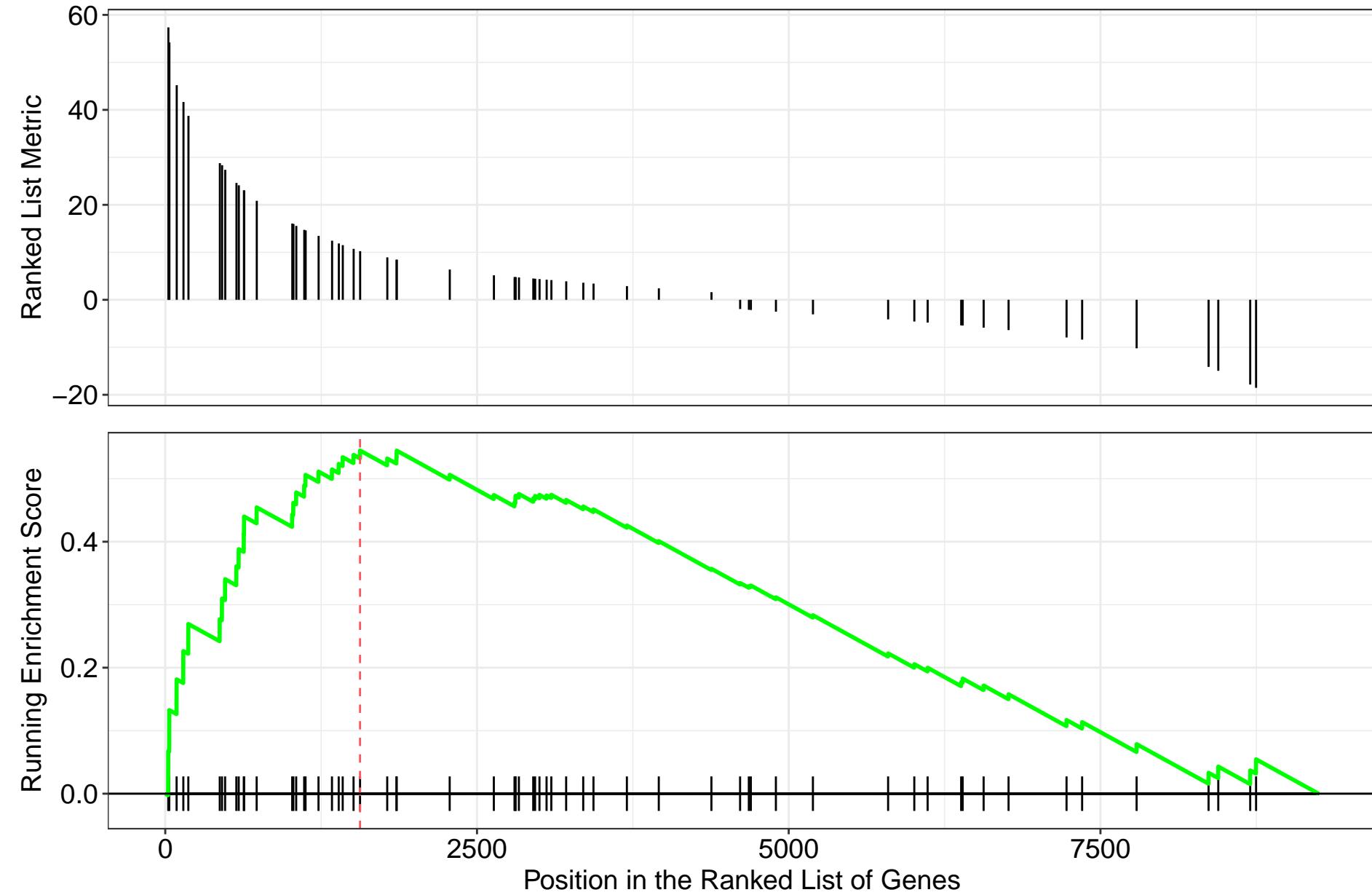
negative regulation of cell cycle phase transition



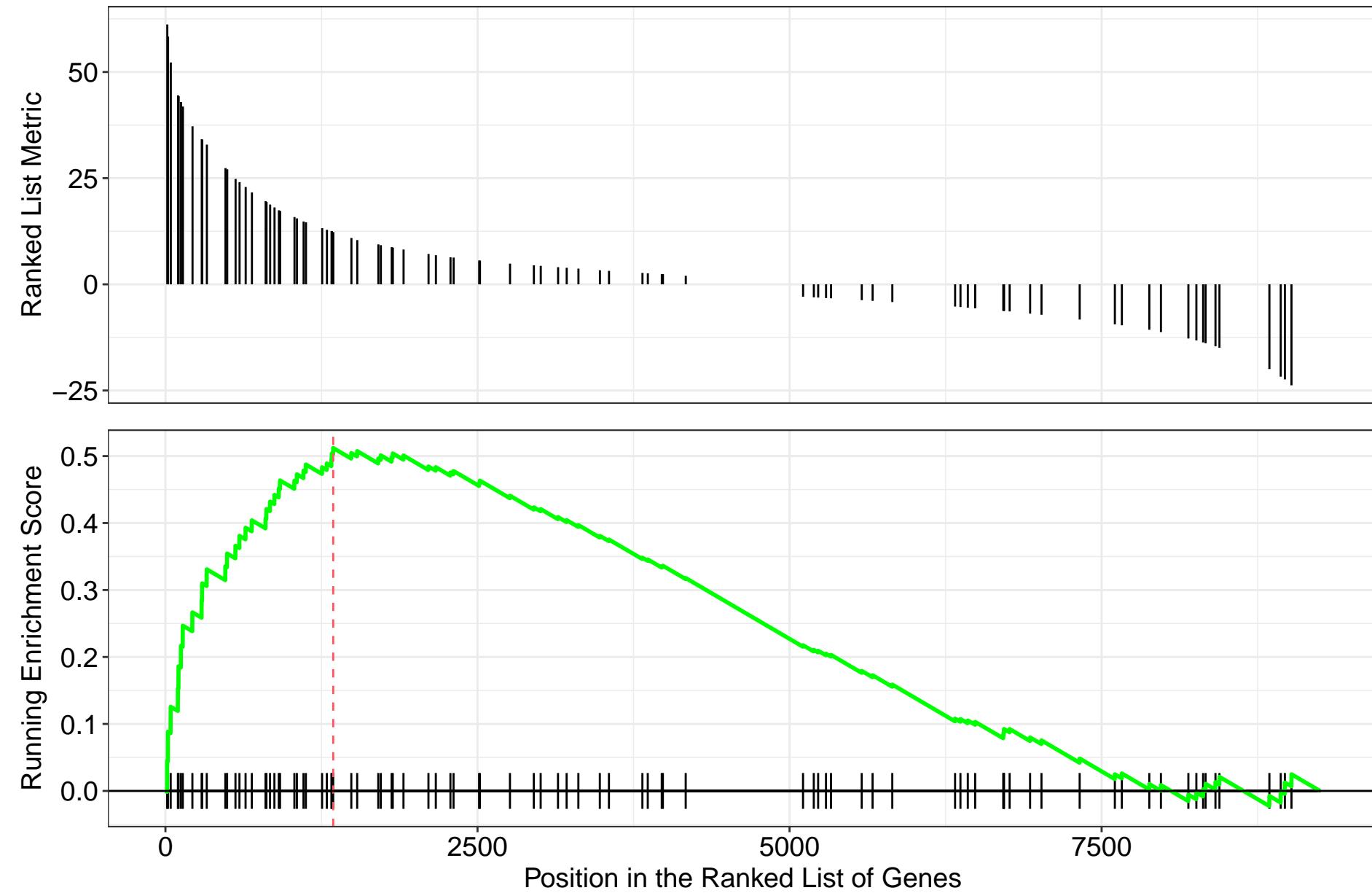
G protein-coupled receptor signaling pathway



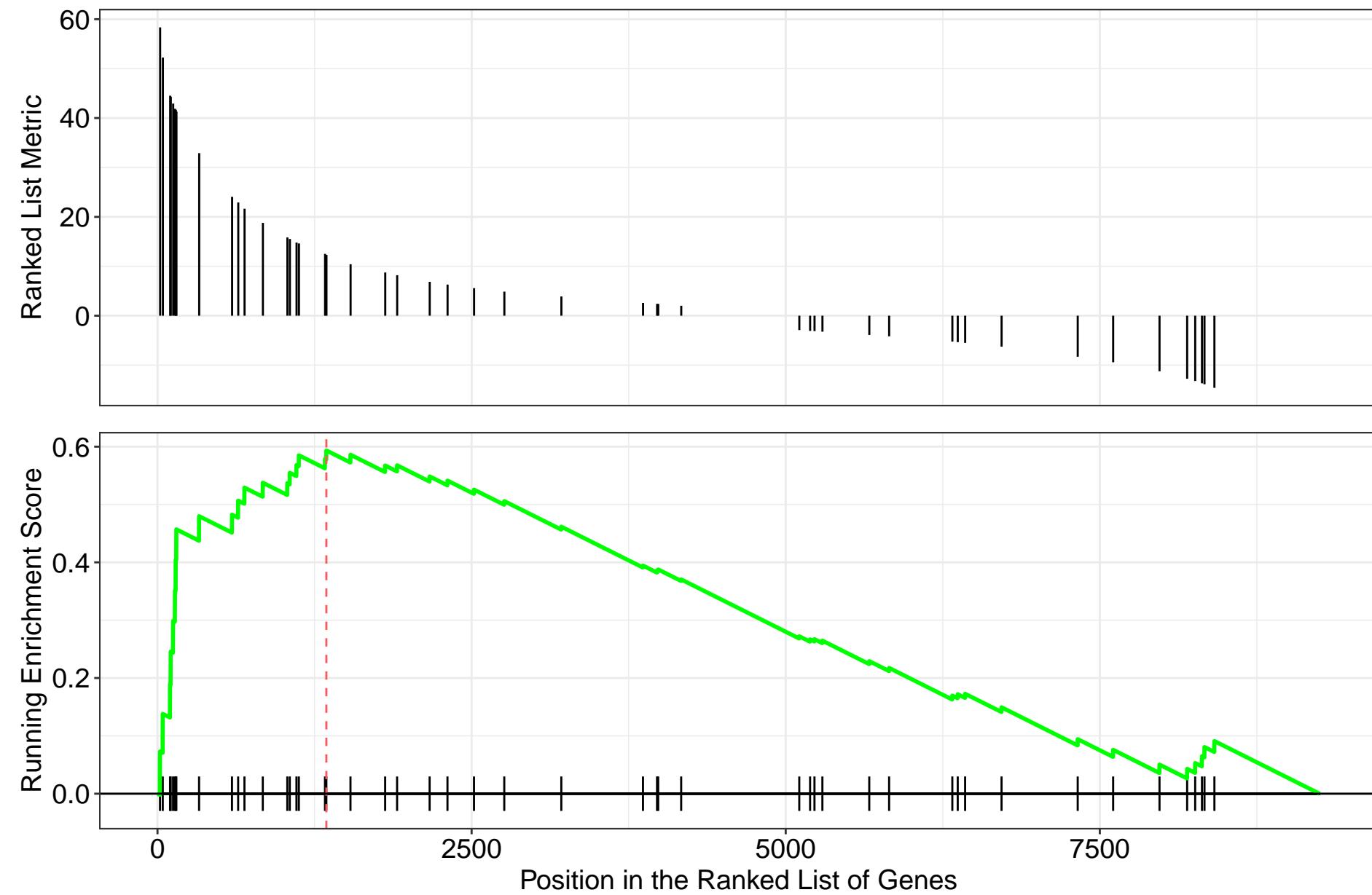
positive regulation of interleukin–6 production



negative regulation of lymphocyte activation

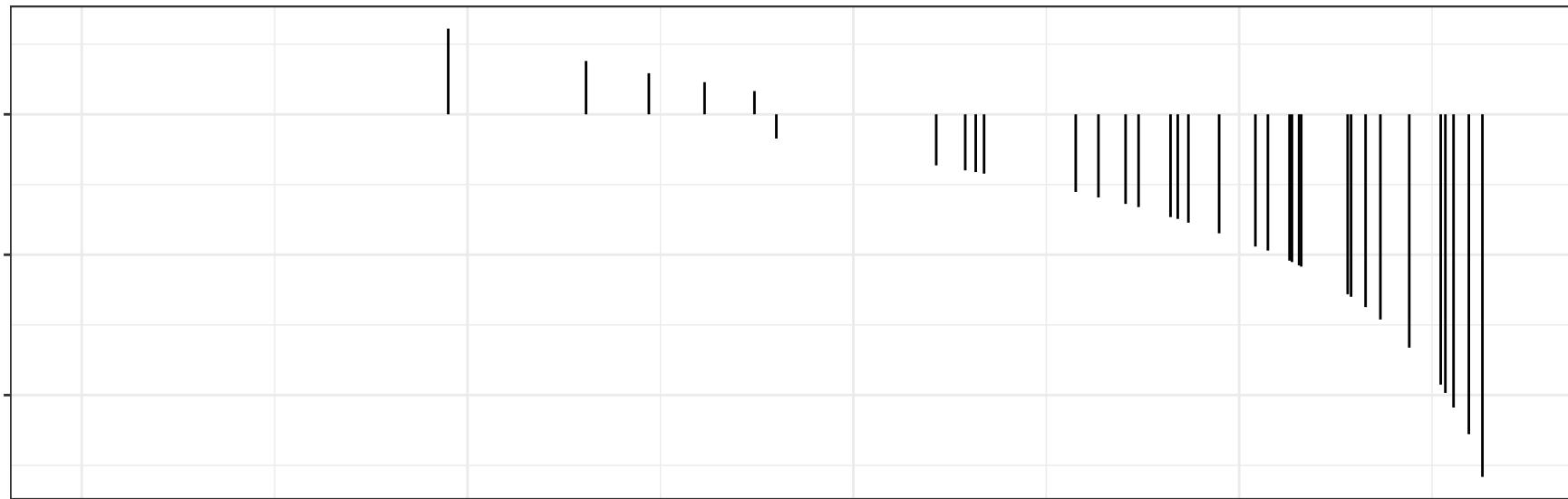


negative regulation of leukocyte proliferation



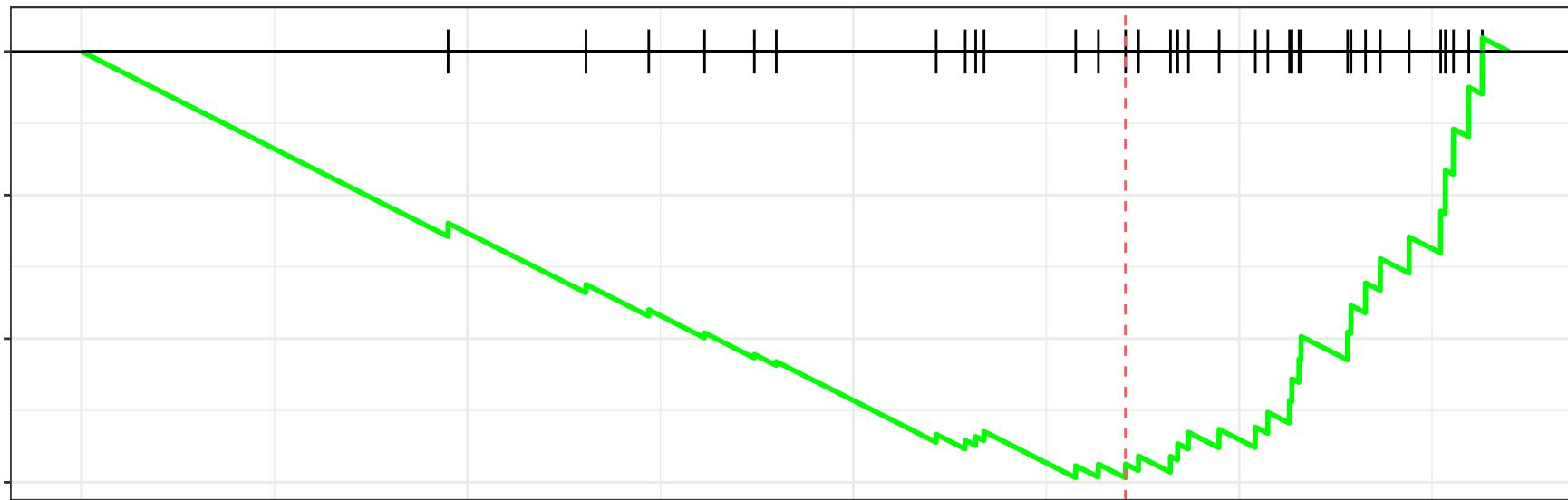
regulation of DNA–templated DNA replication

Ranked List Metric

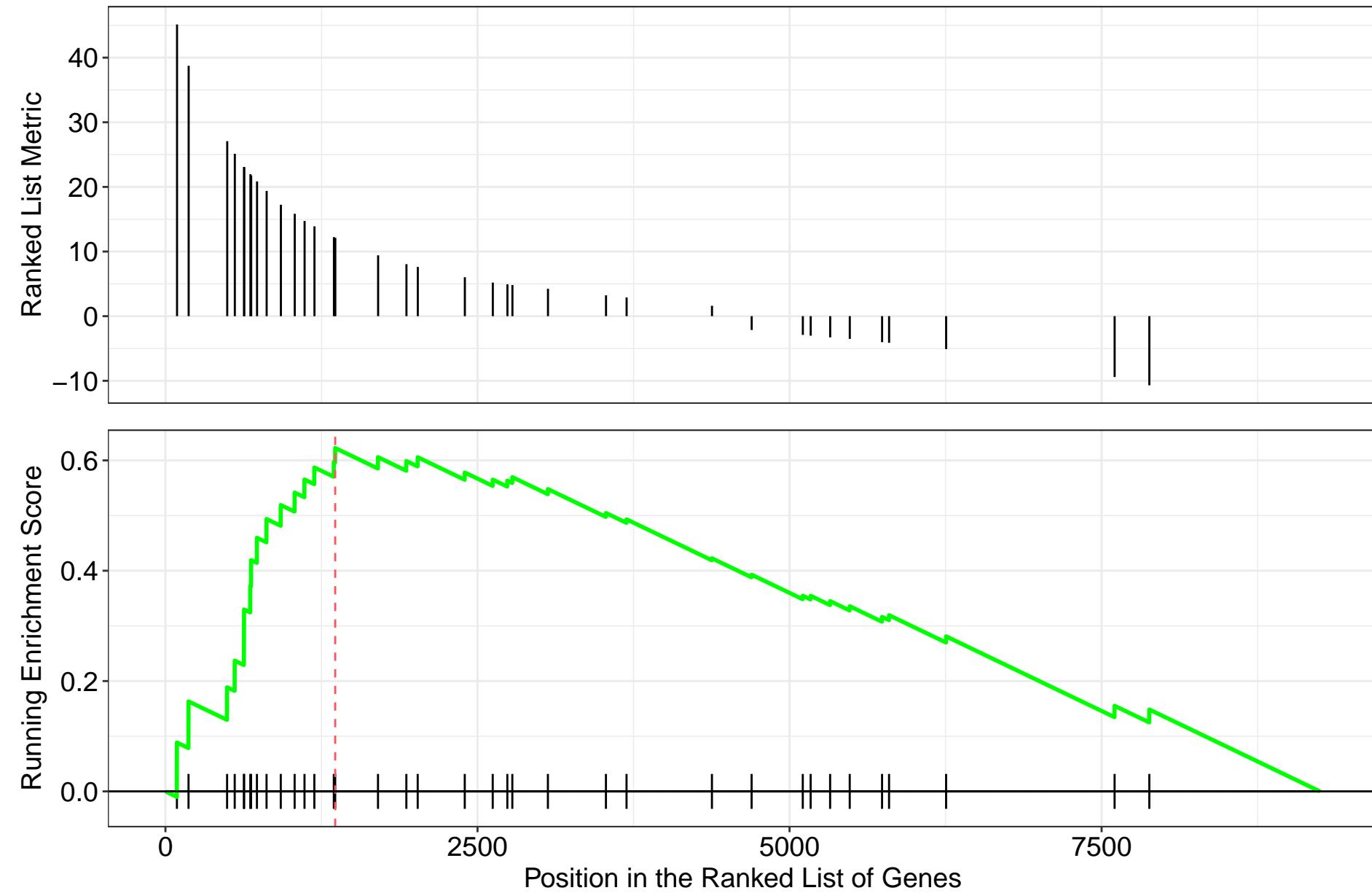


Running Enrichment Score

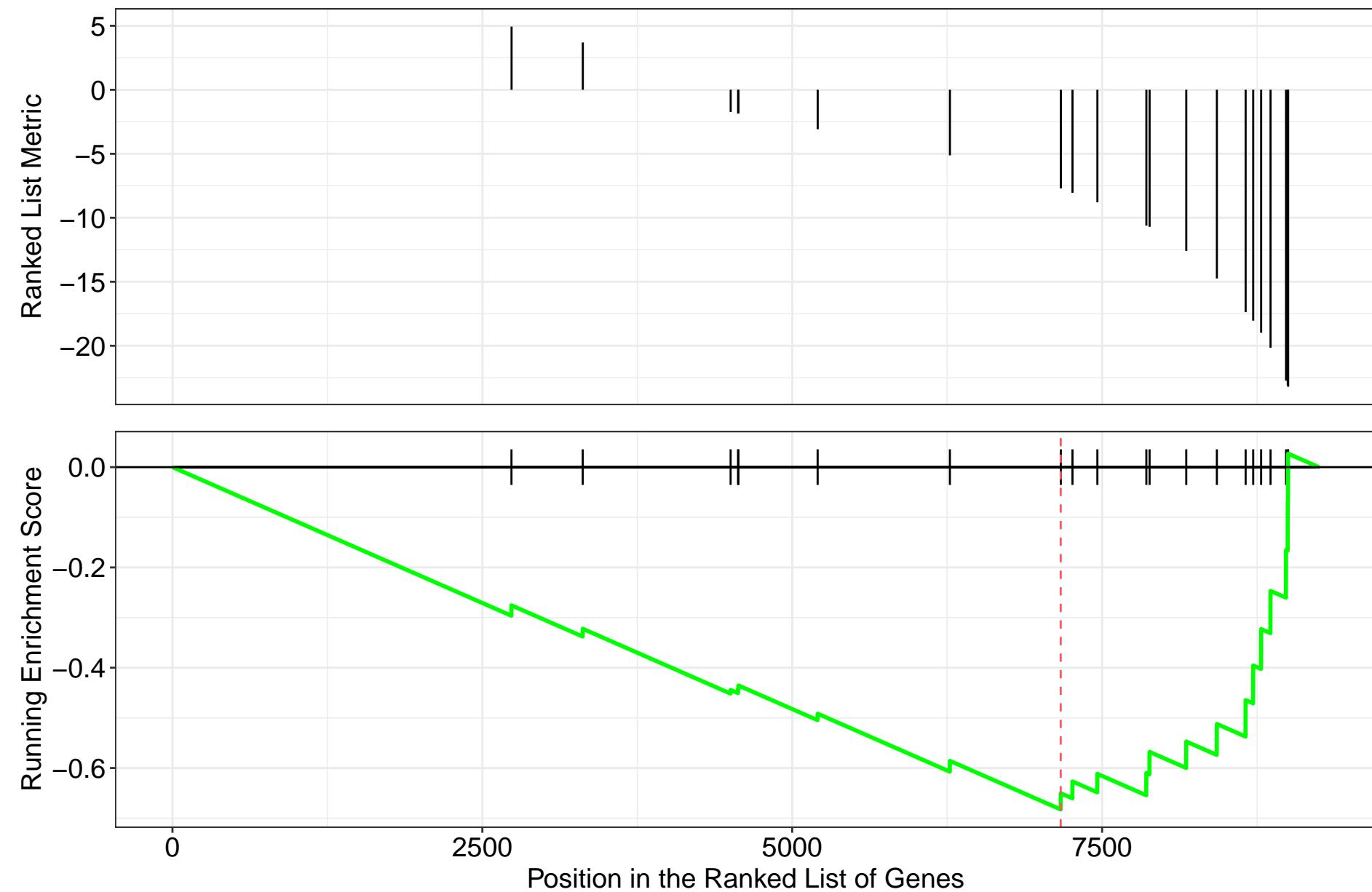
Position in the Ranked List of Genes



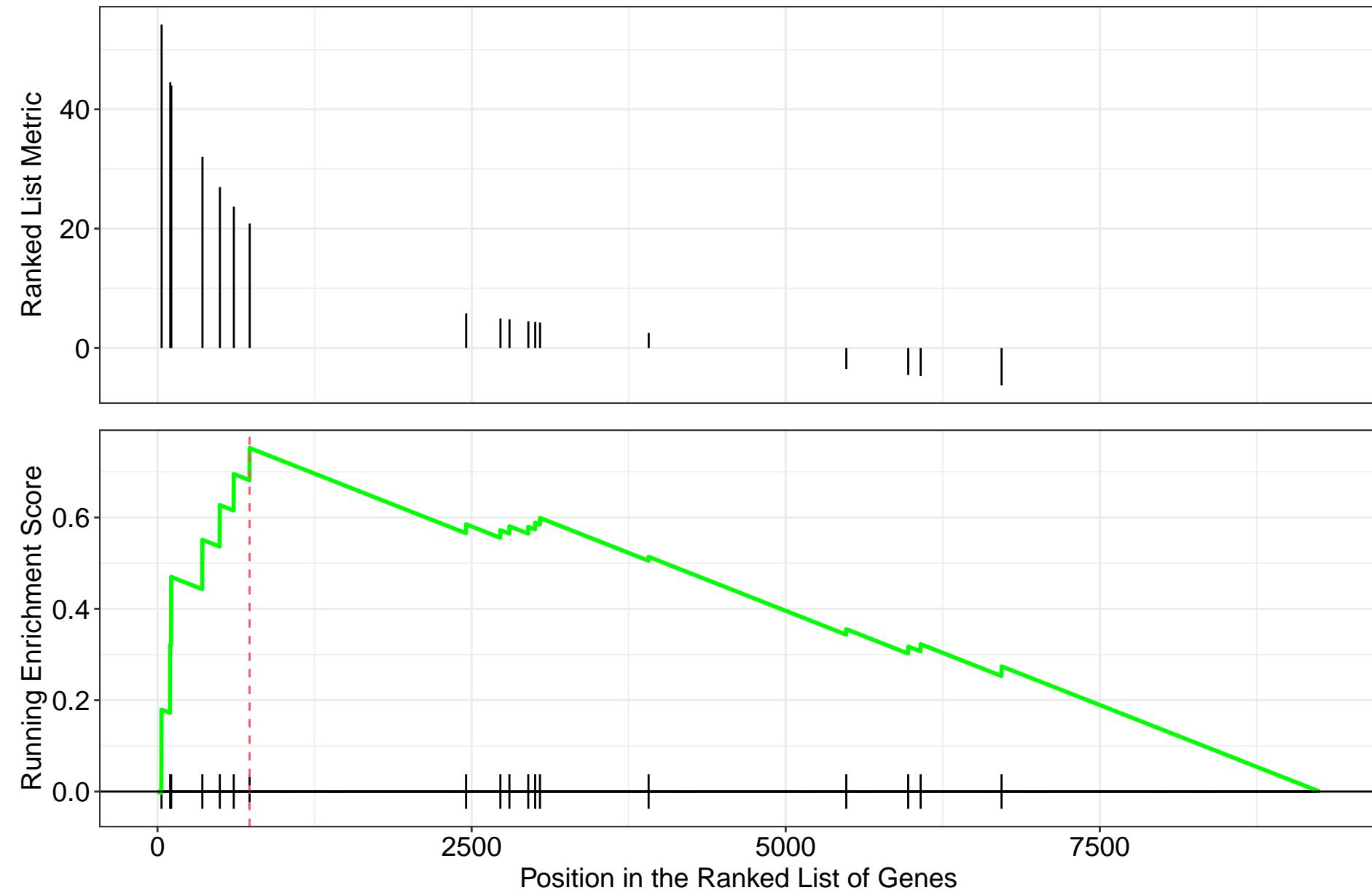
cytoplasmic pattern recognition receptor signaling pathway



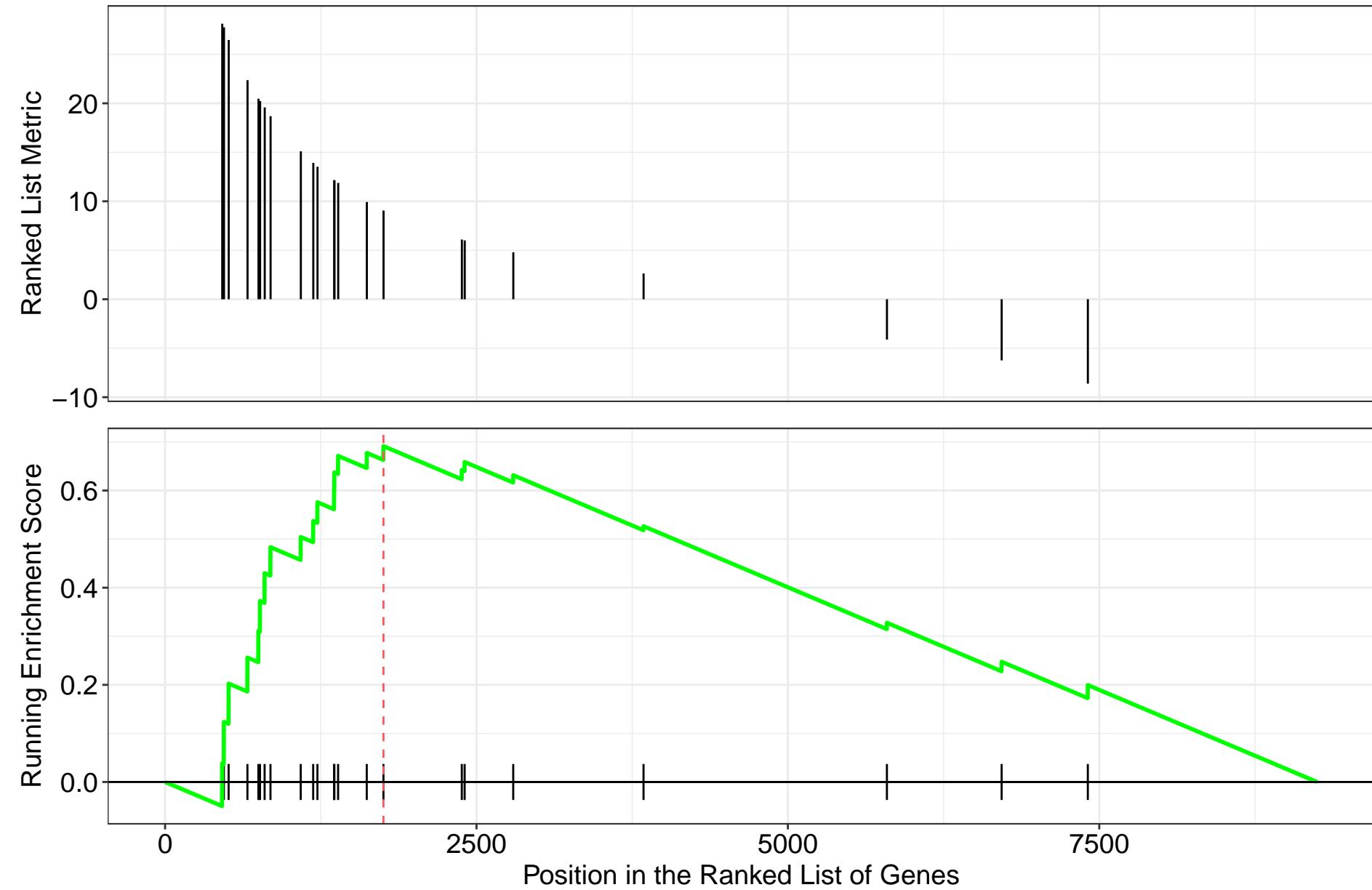
protein localization to chromosome, centromeric region



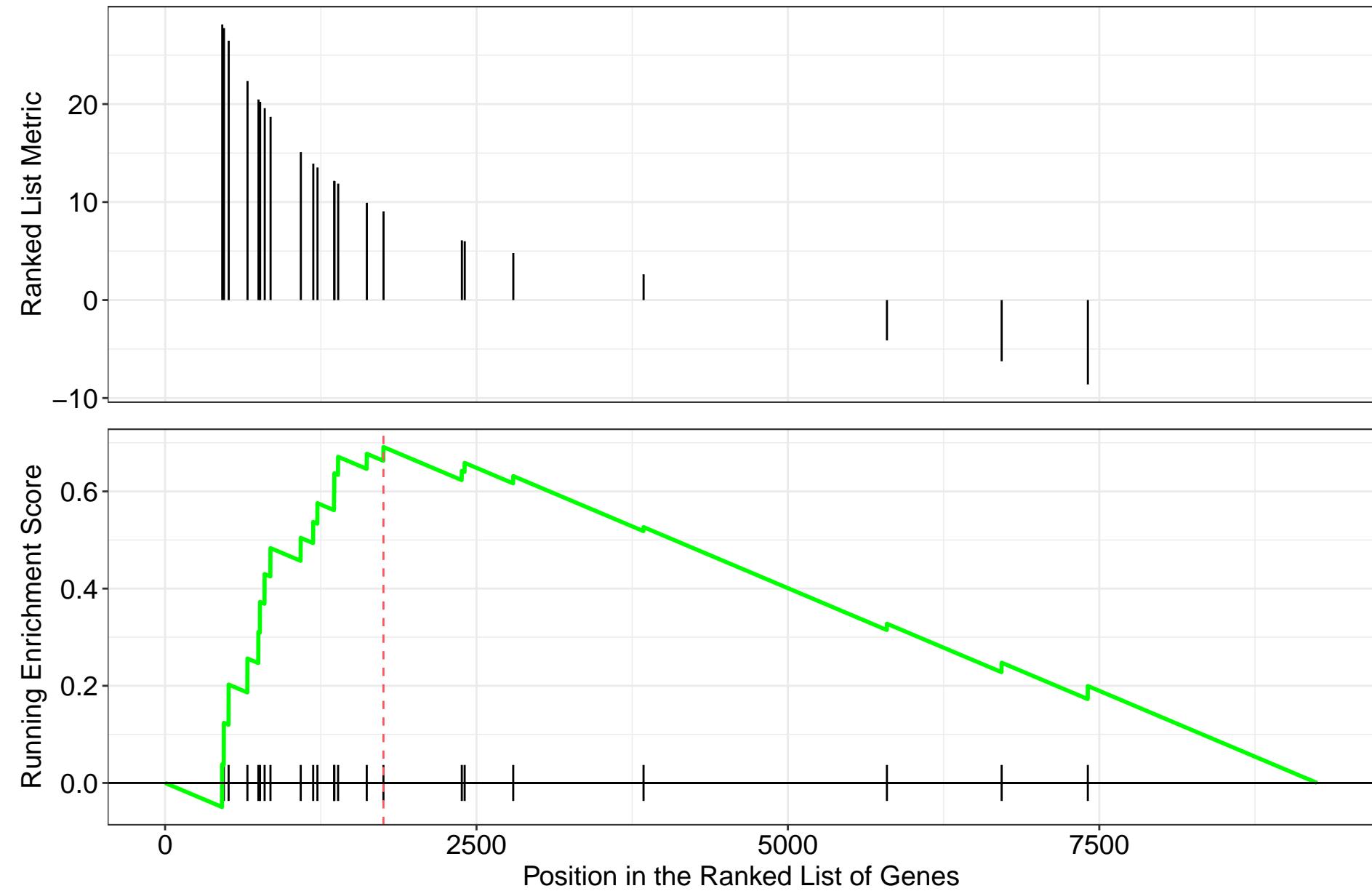
regulation of neutrophil chemotaxis



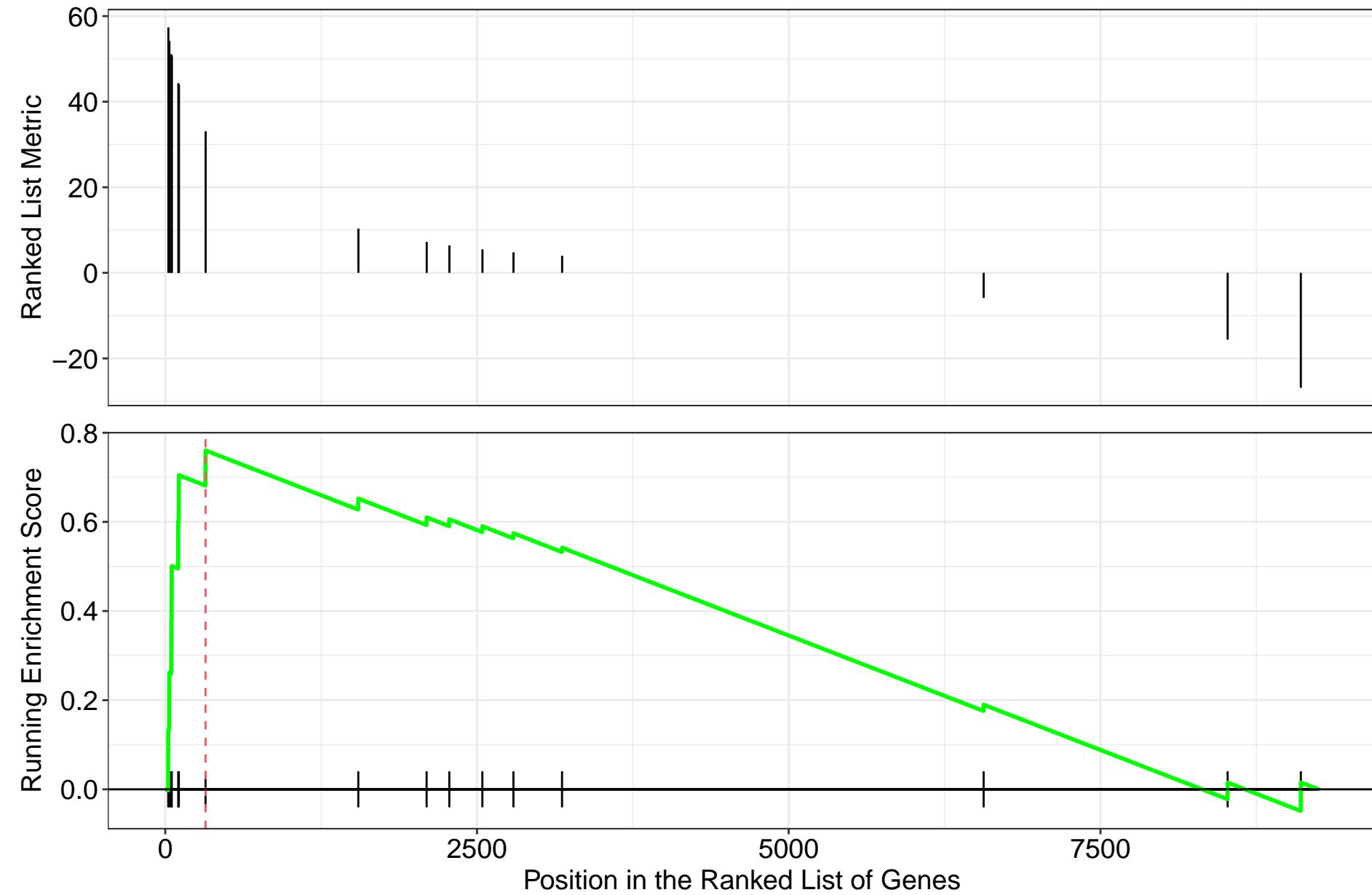
antigen processing and presentation of endogenous peptide antigen



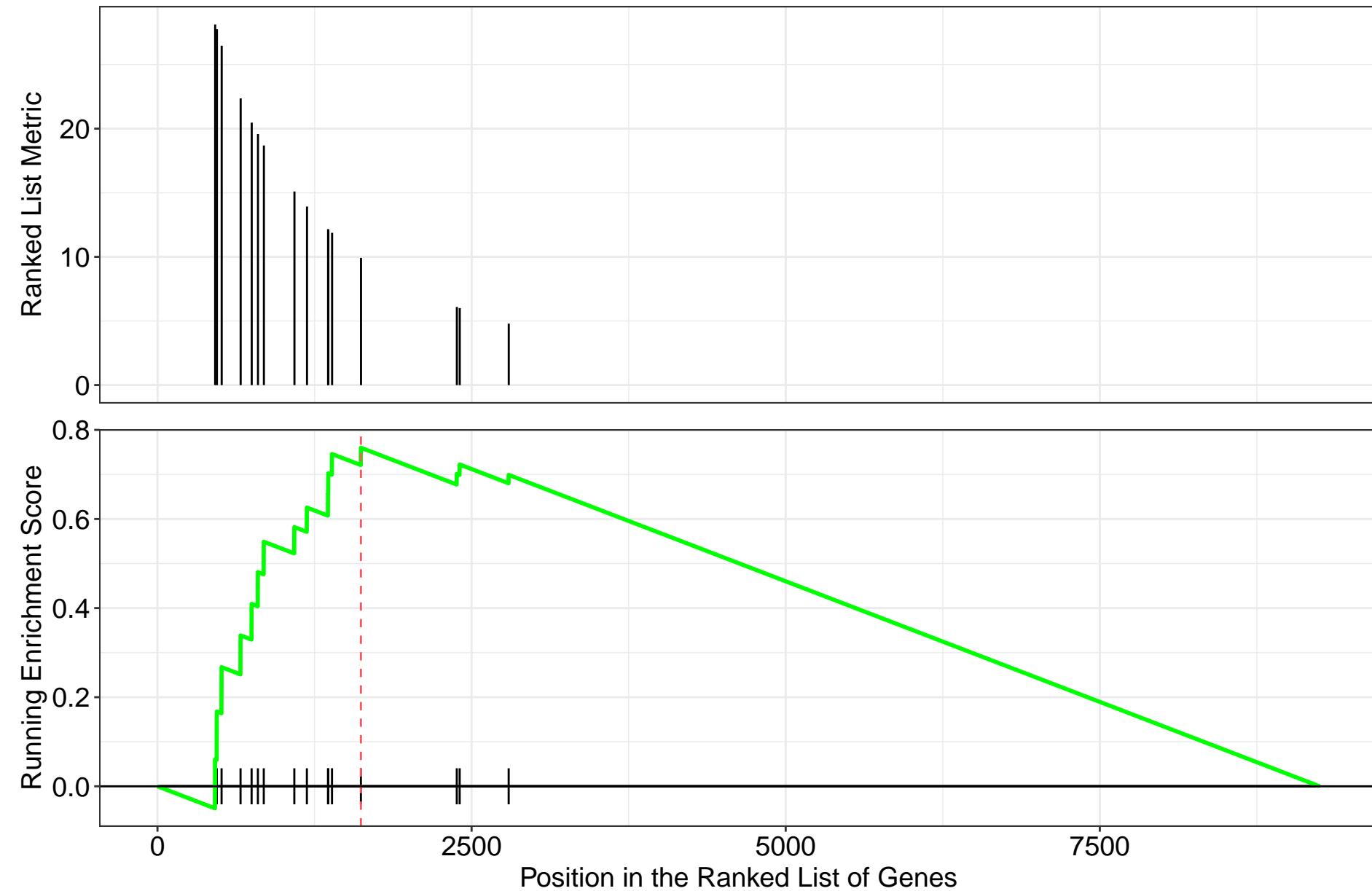
Antigen processing and presentation of endogenous peptide antigen via MHC



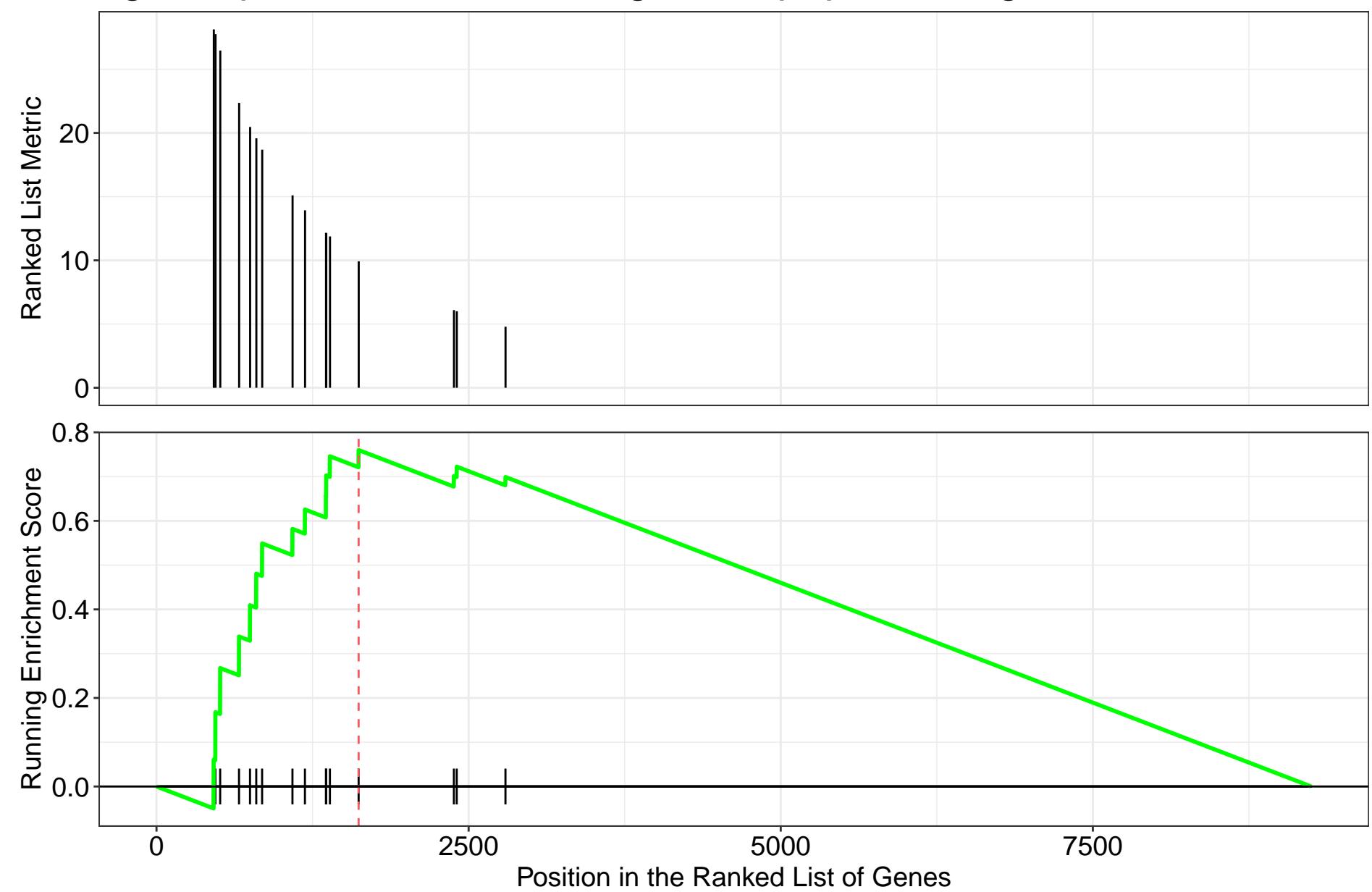
prostaglandin transport



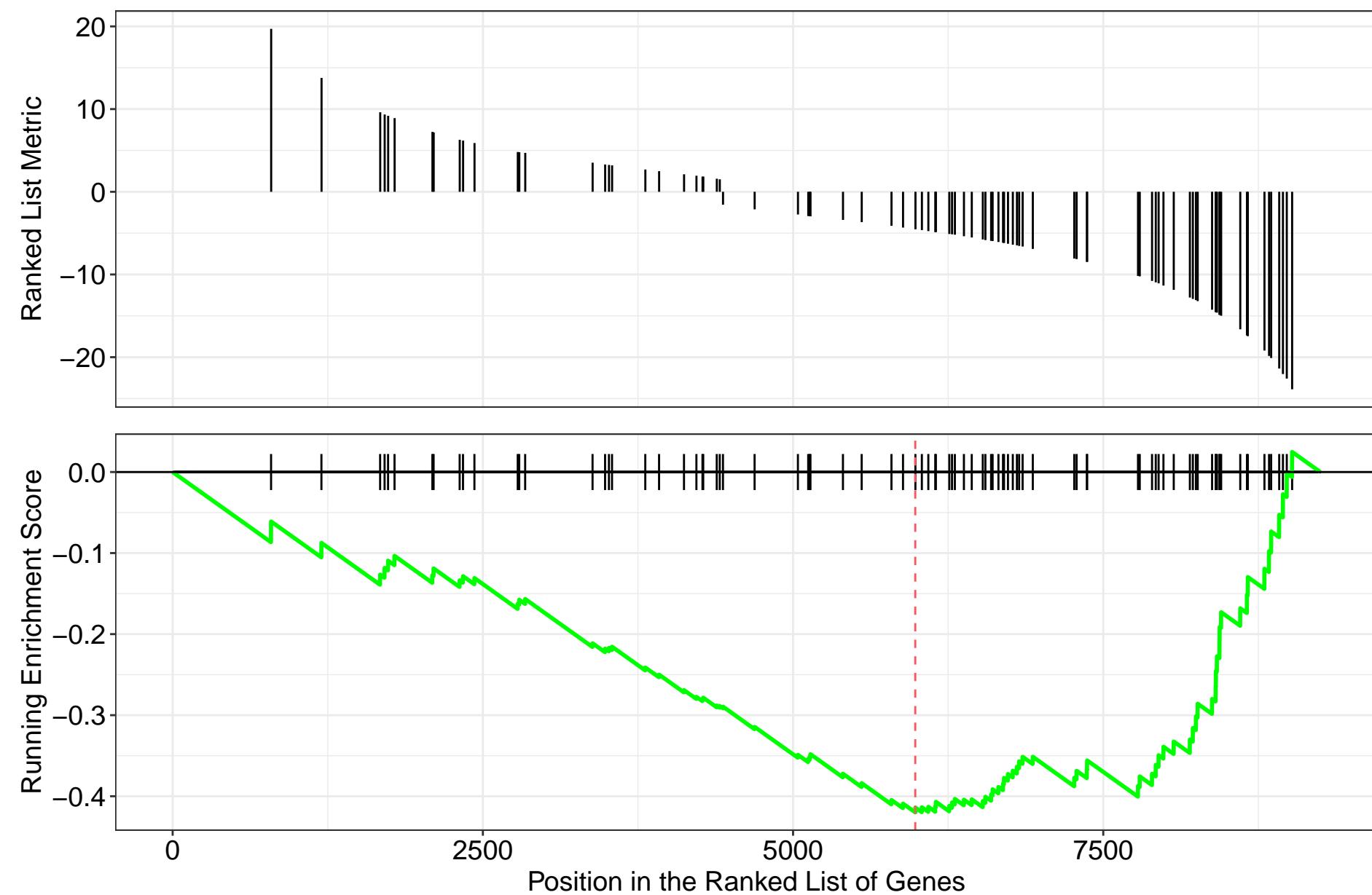
Gen processing and presentation of endogenous peptide antigen via MHC



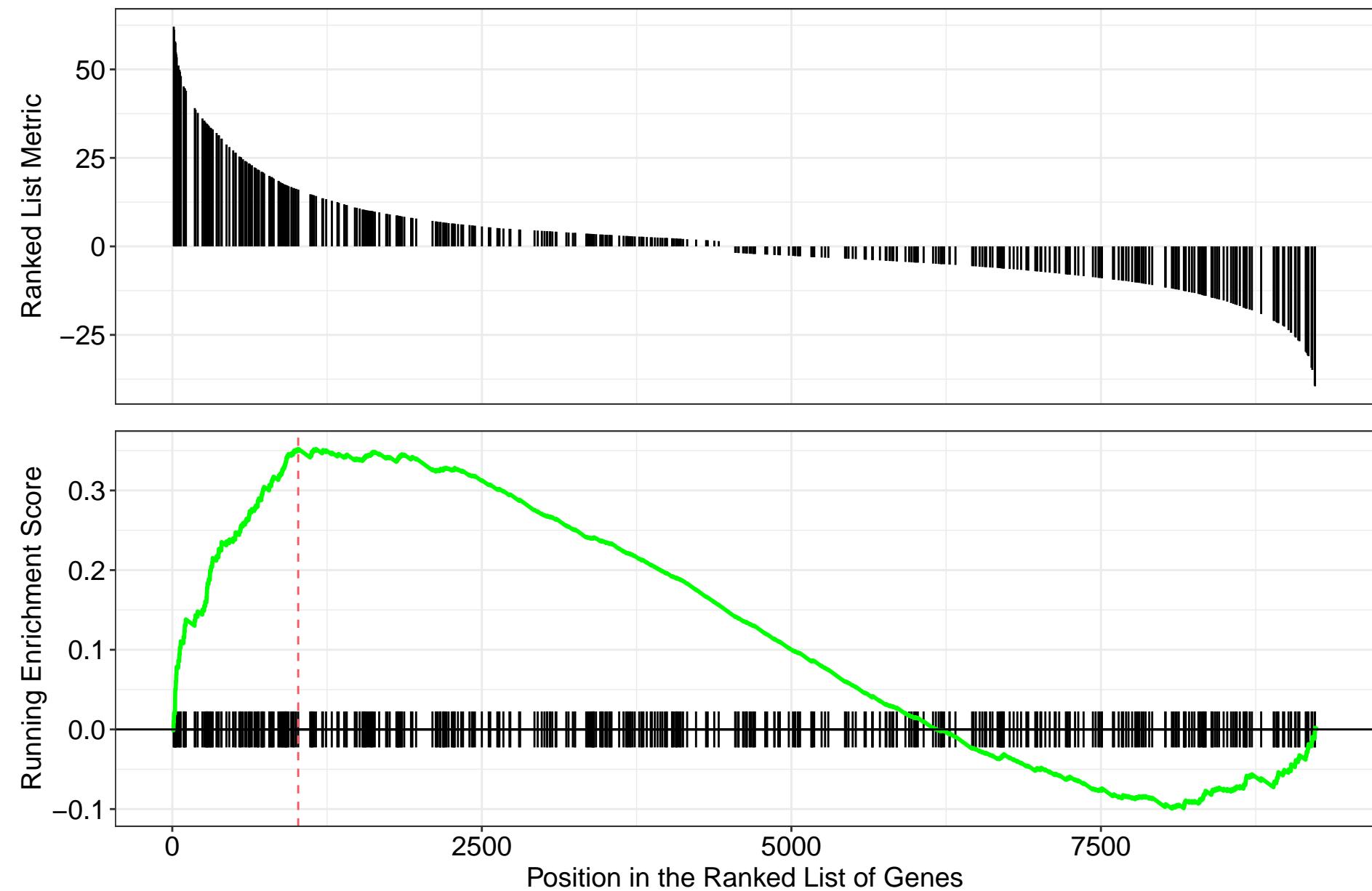
Processing and presentation of endogenous peptide antigen via MHC class I



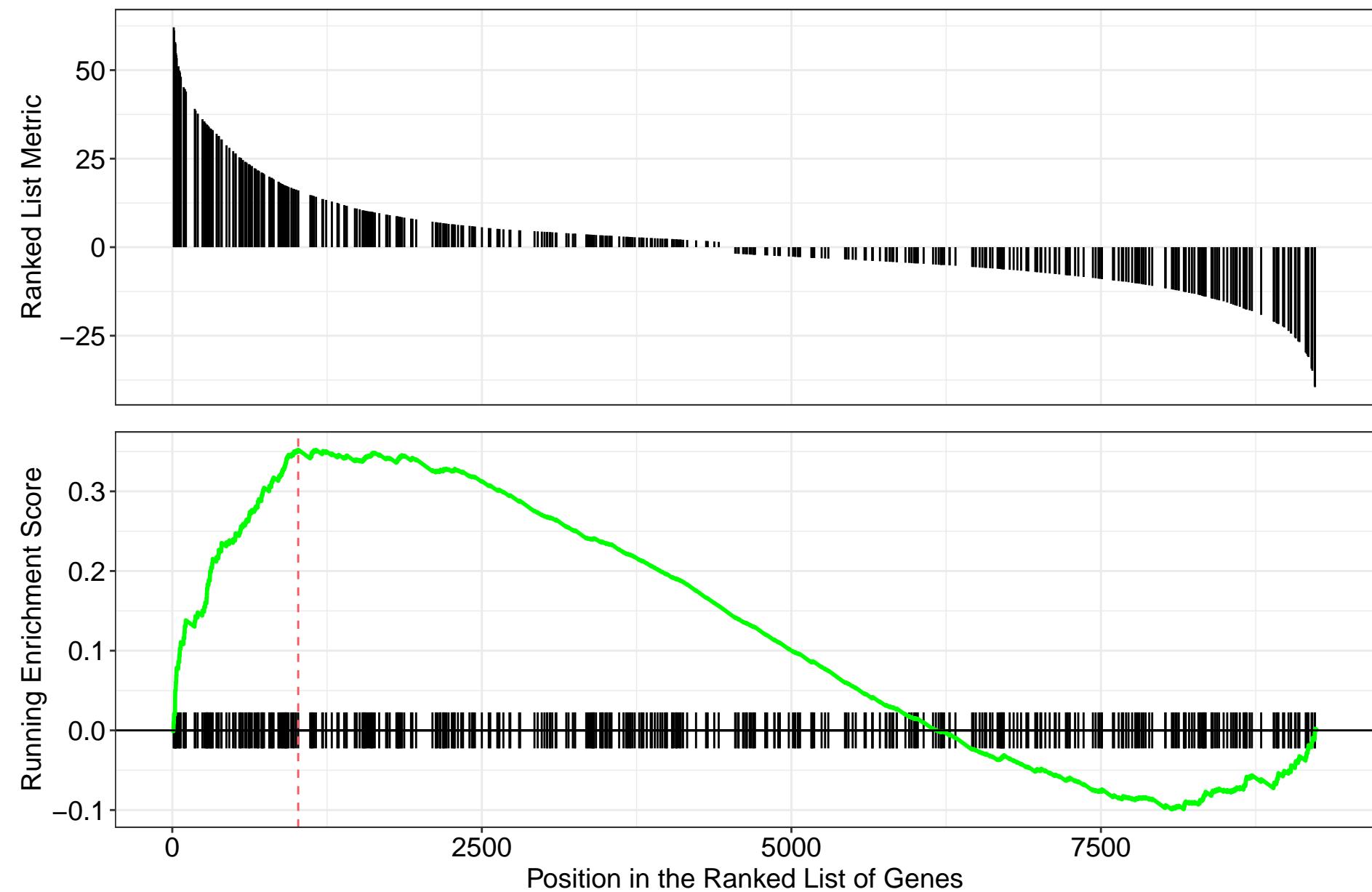
centrosome cycle



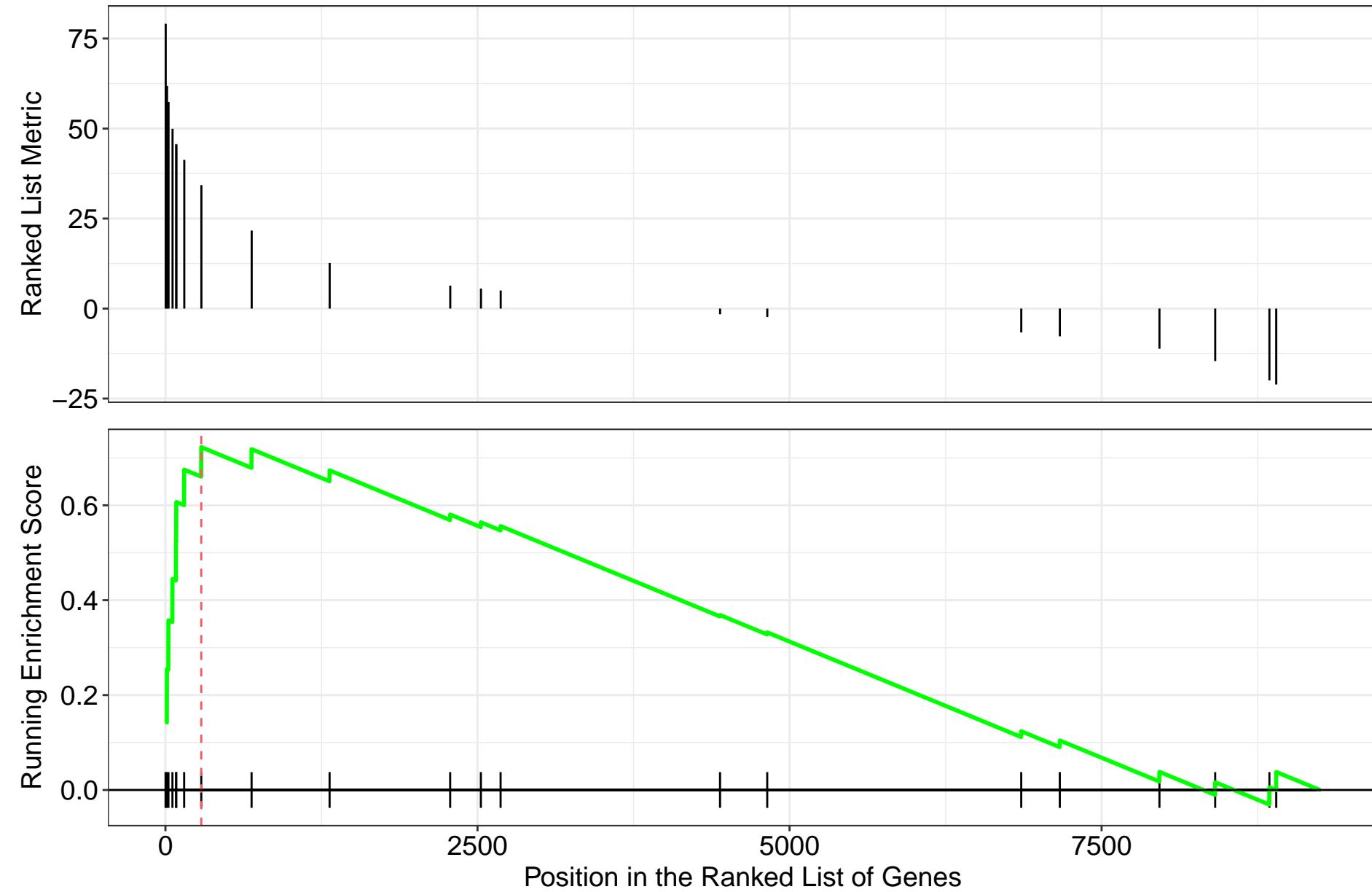
positive regulation of phosphorus metabolic process



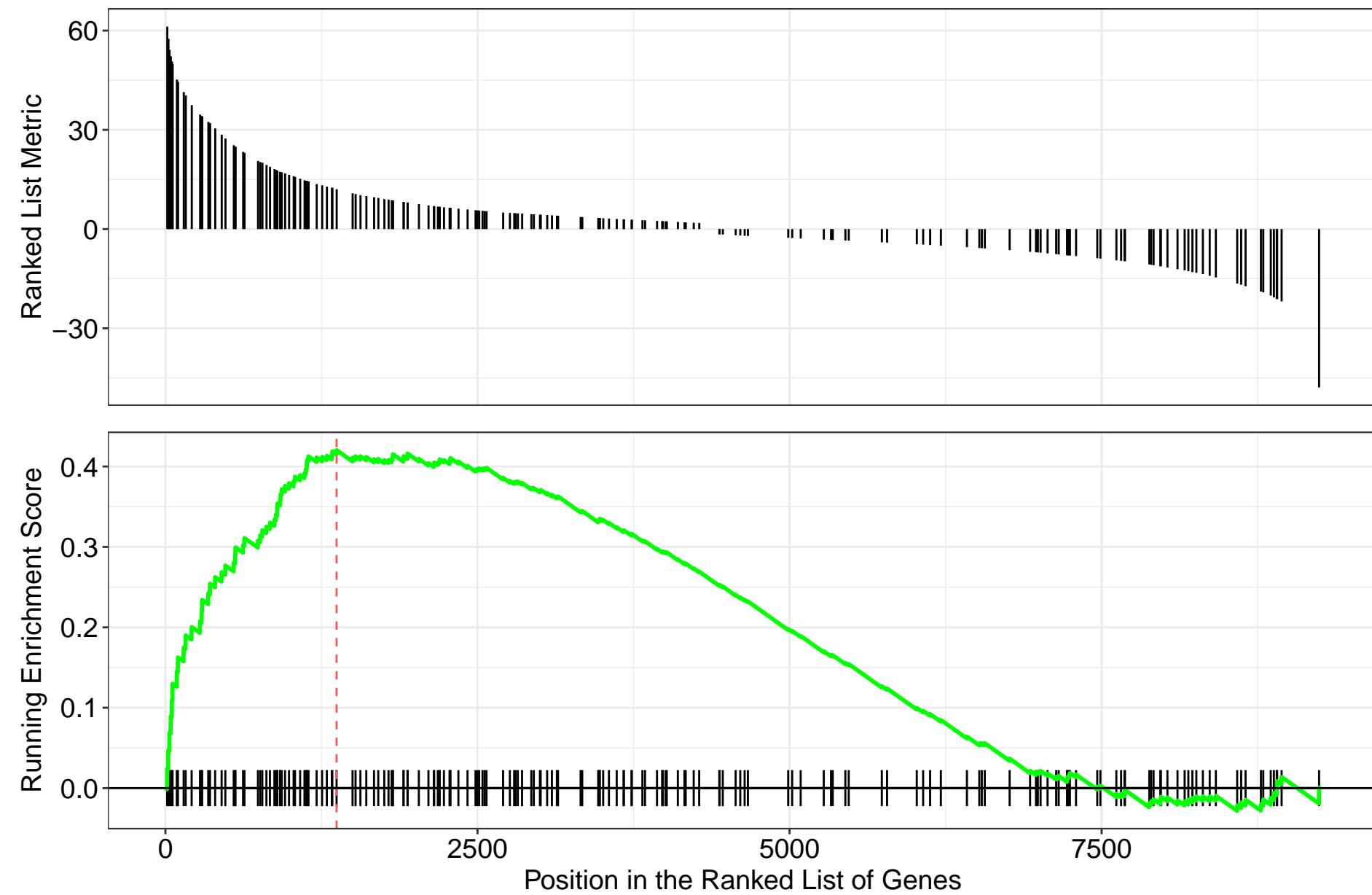
positive regulation of phosphate metabolic process



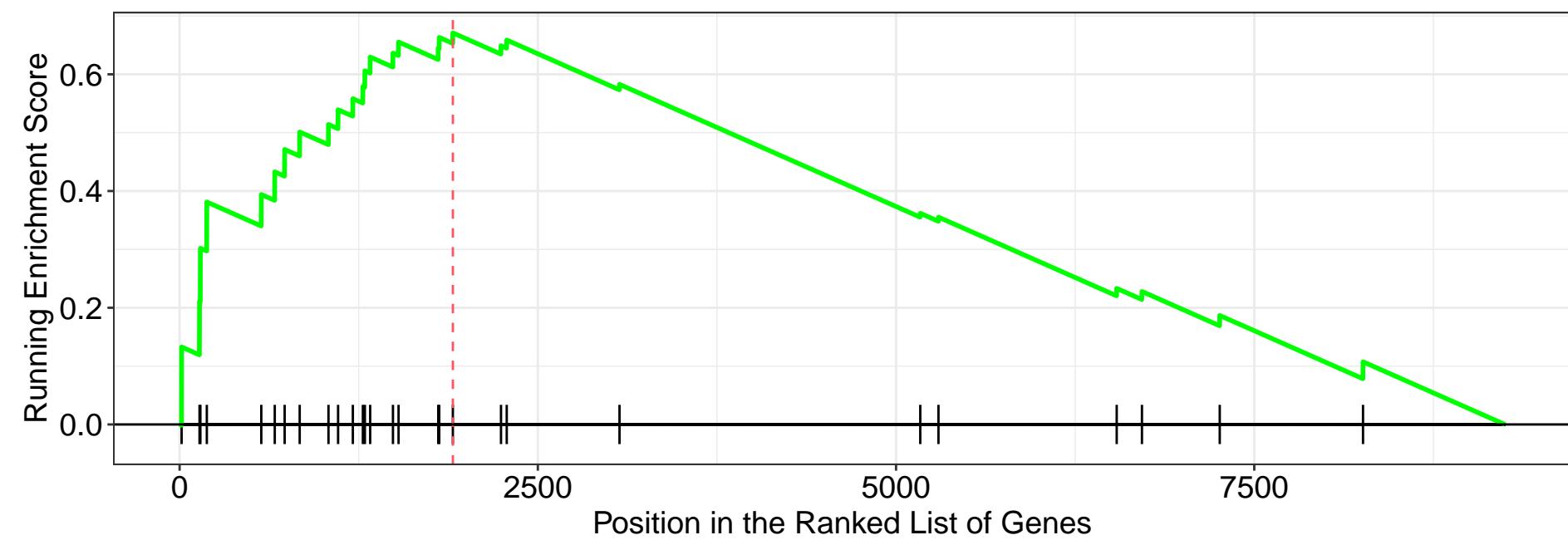
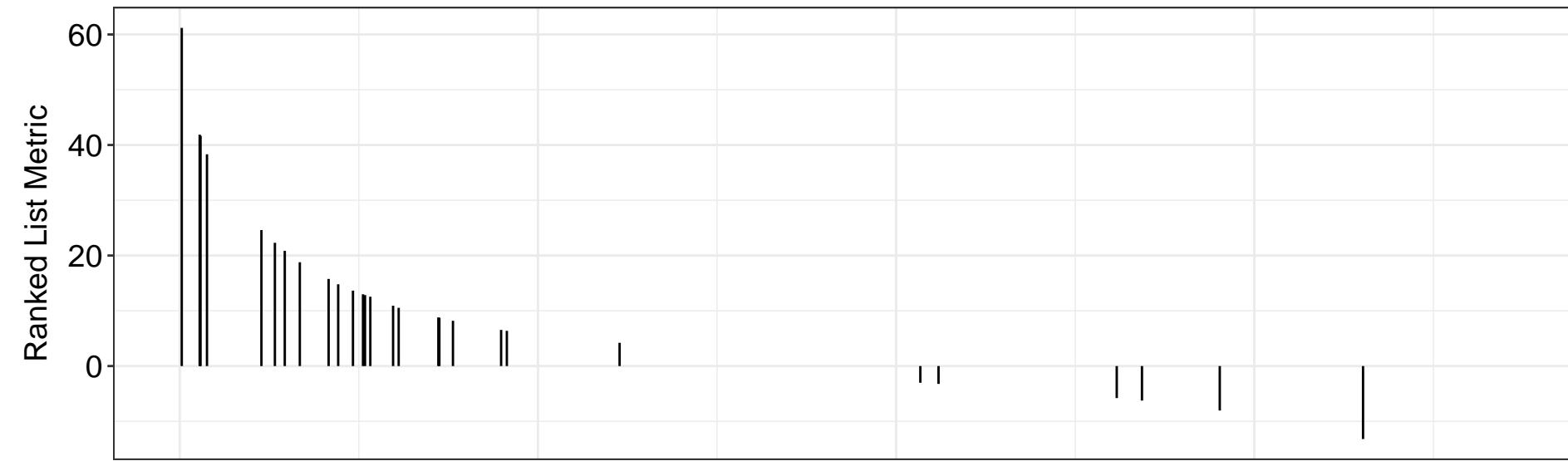
killing of cells of another organism



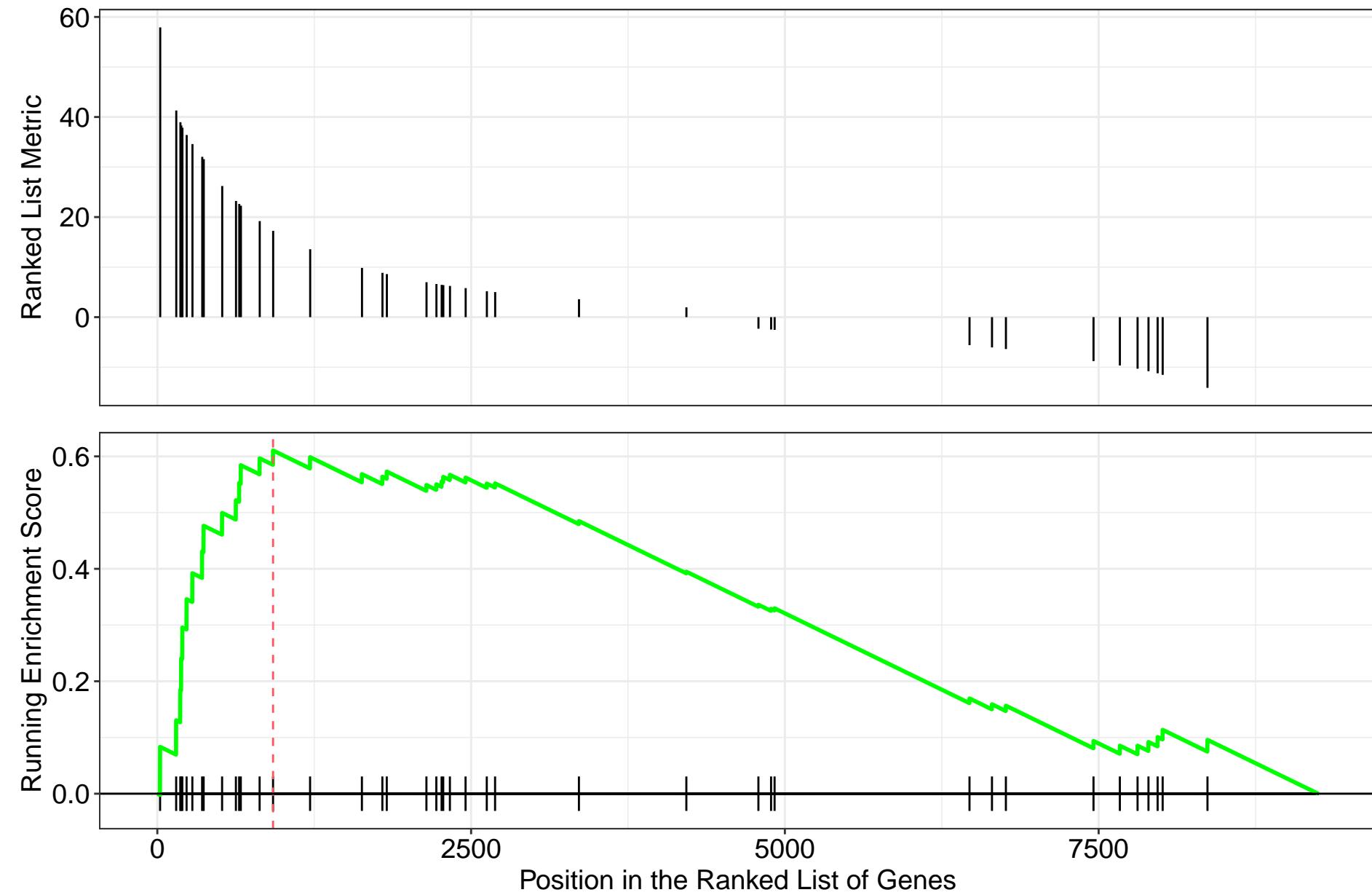
T cell differentiation



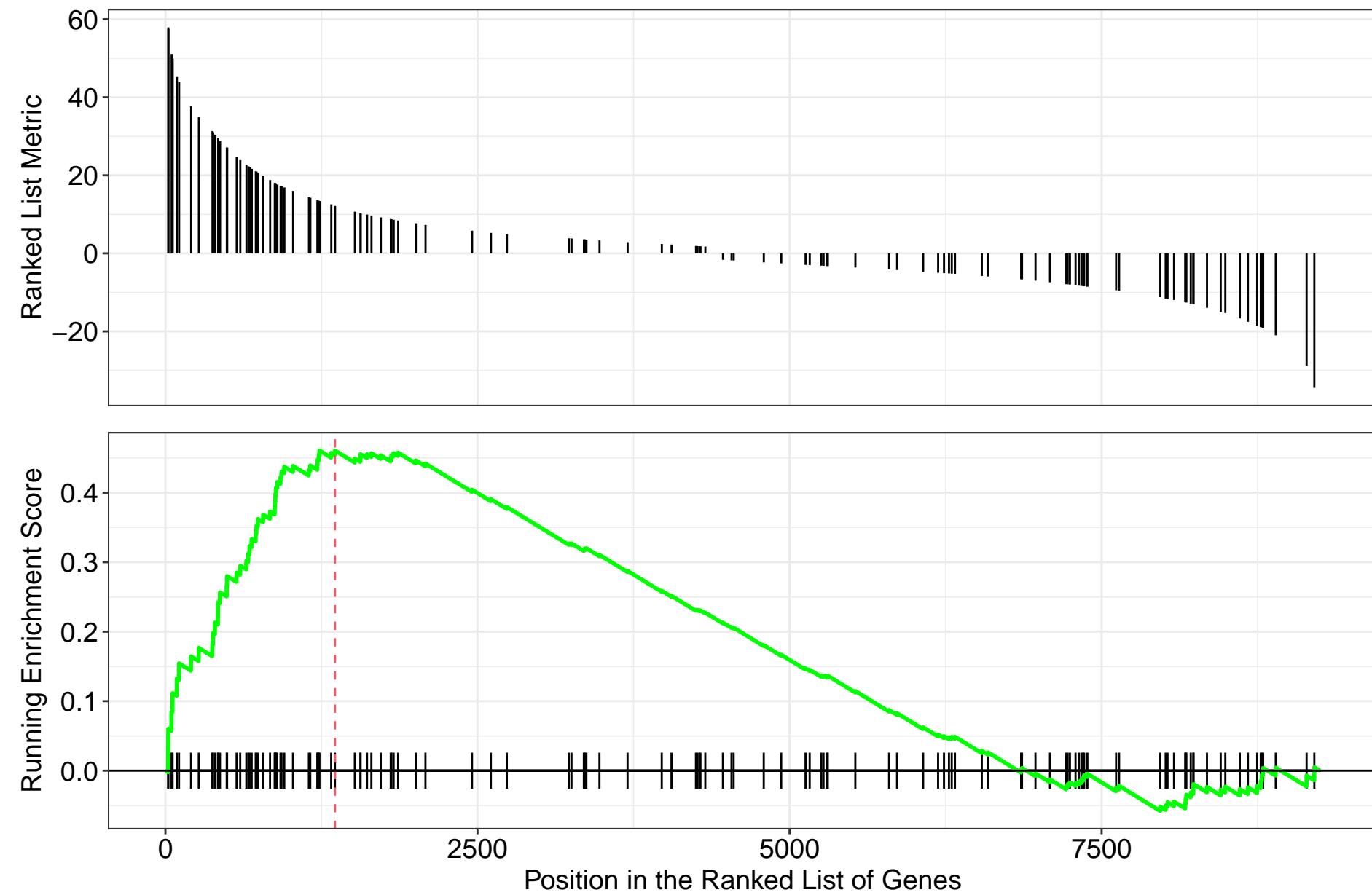
negative regulation of production of molecular mediator of immune respon



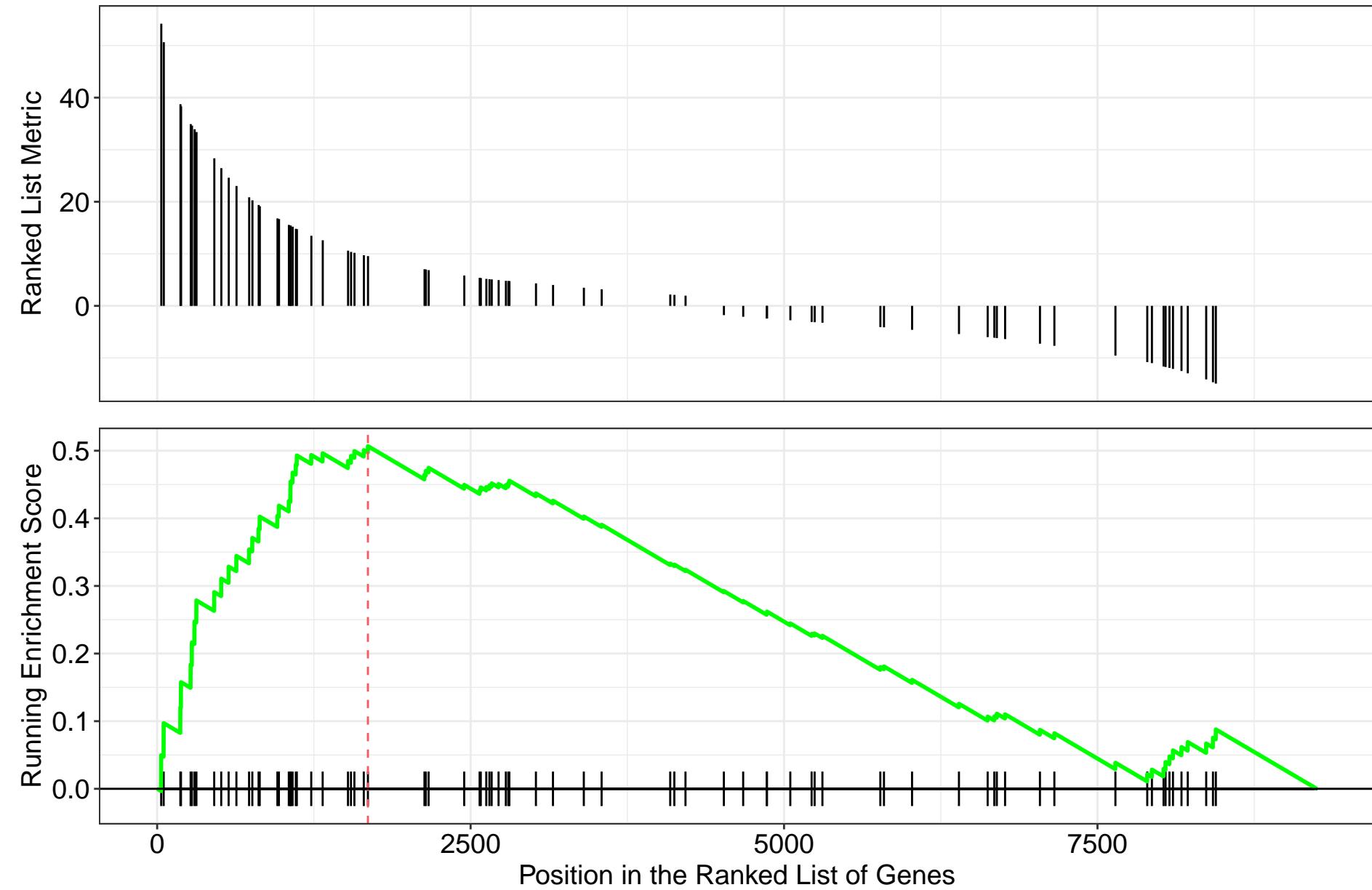
macrophage migration



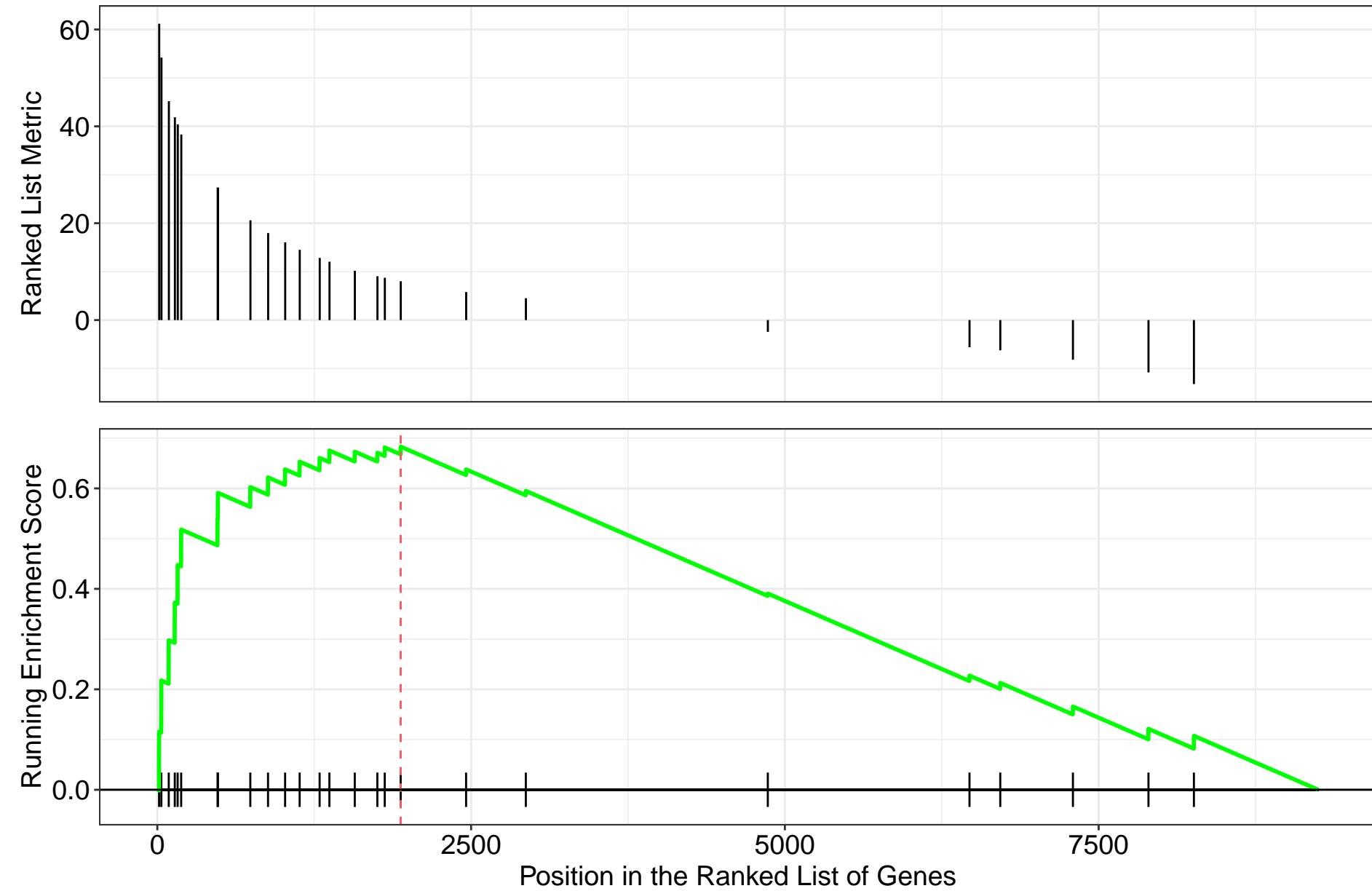
muscle cell proliferation



positive regulation of stress-activated MAPK cascade

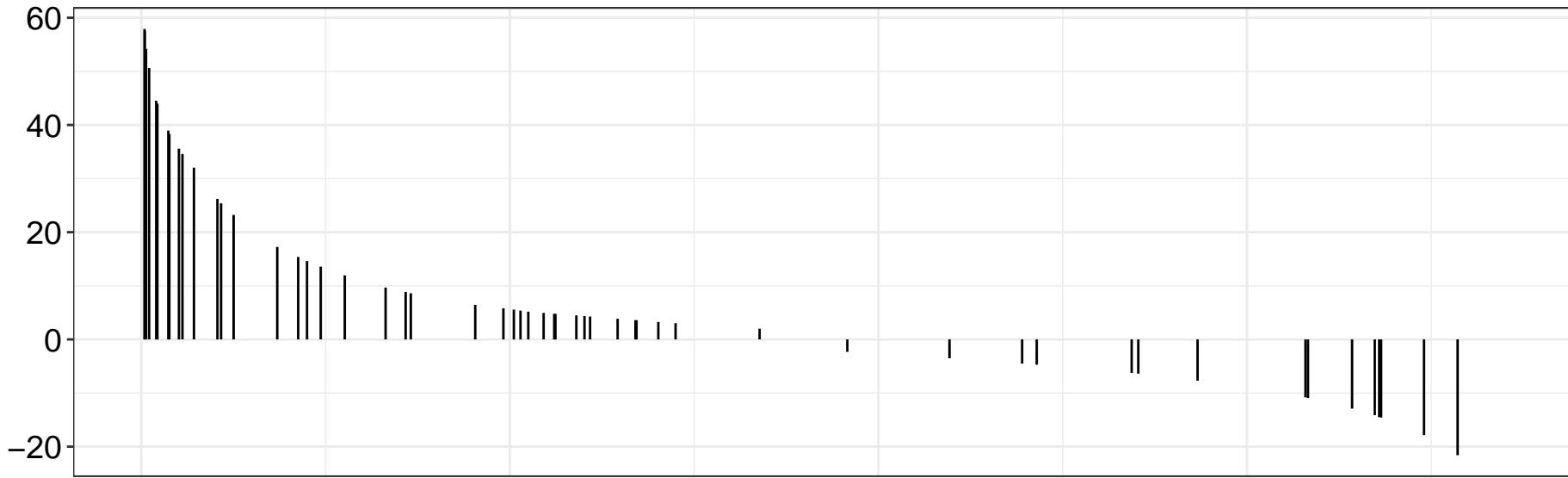


regulation of T cell cytokine production



positive regulation of leukocyte chemotaxis

Ranked List Metric



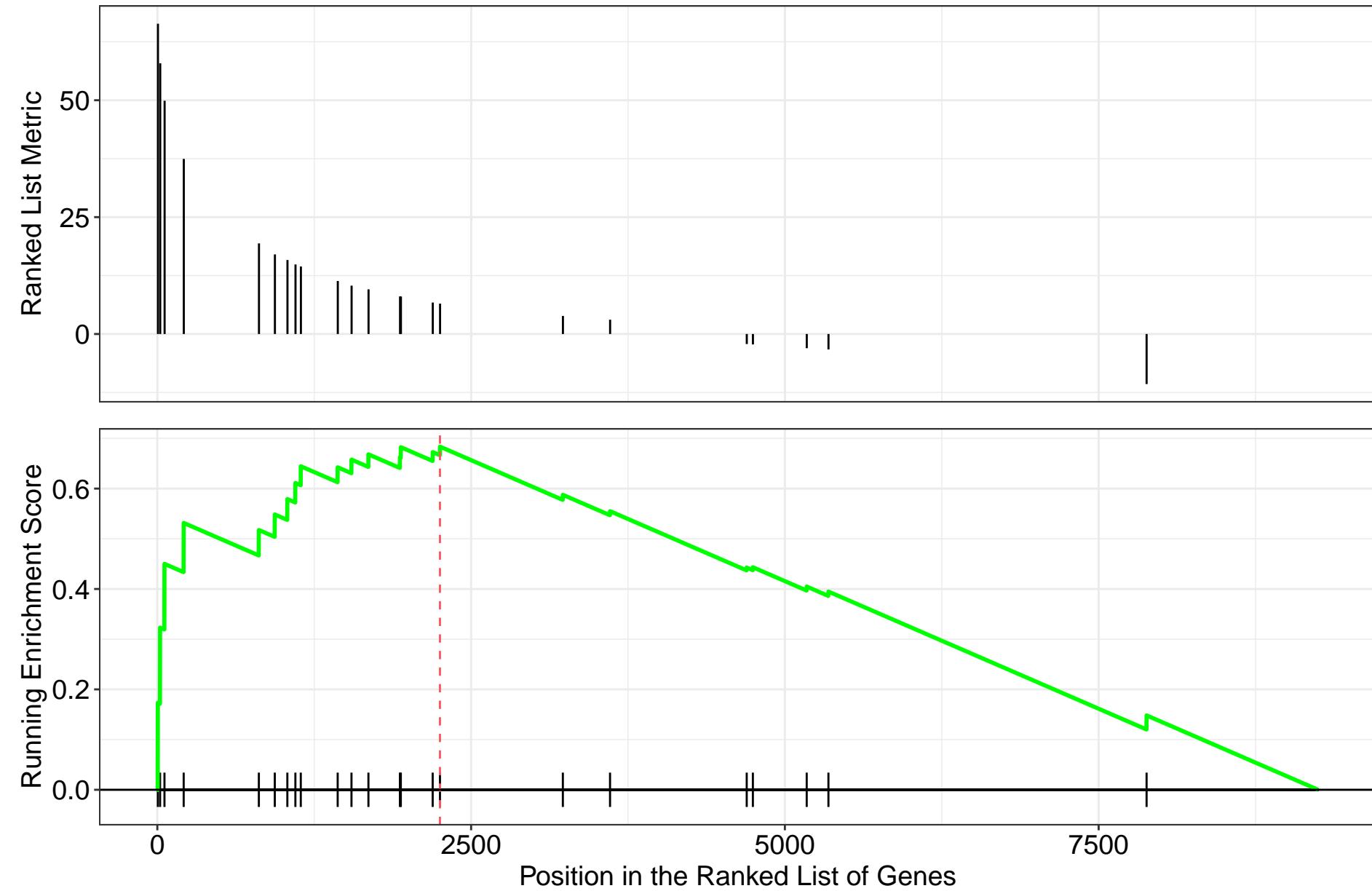
Running Enrichment Score

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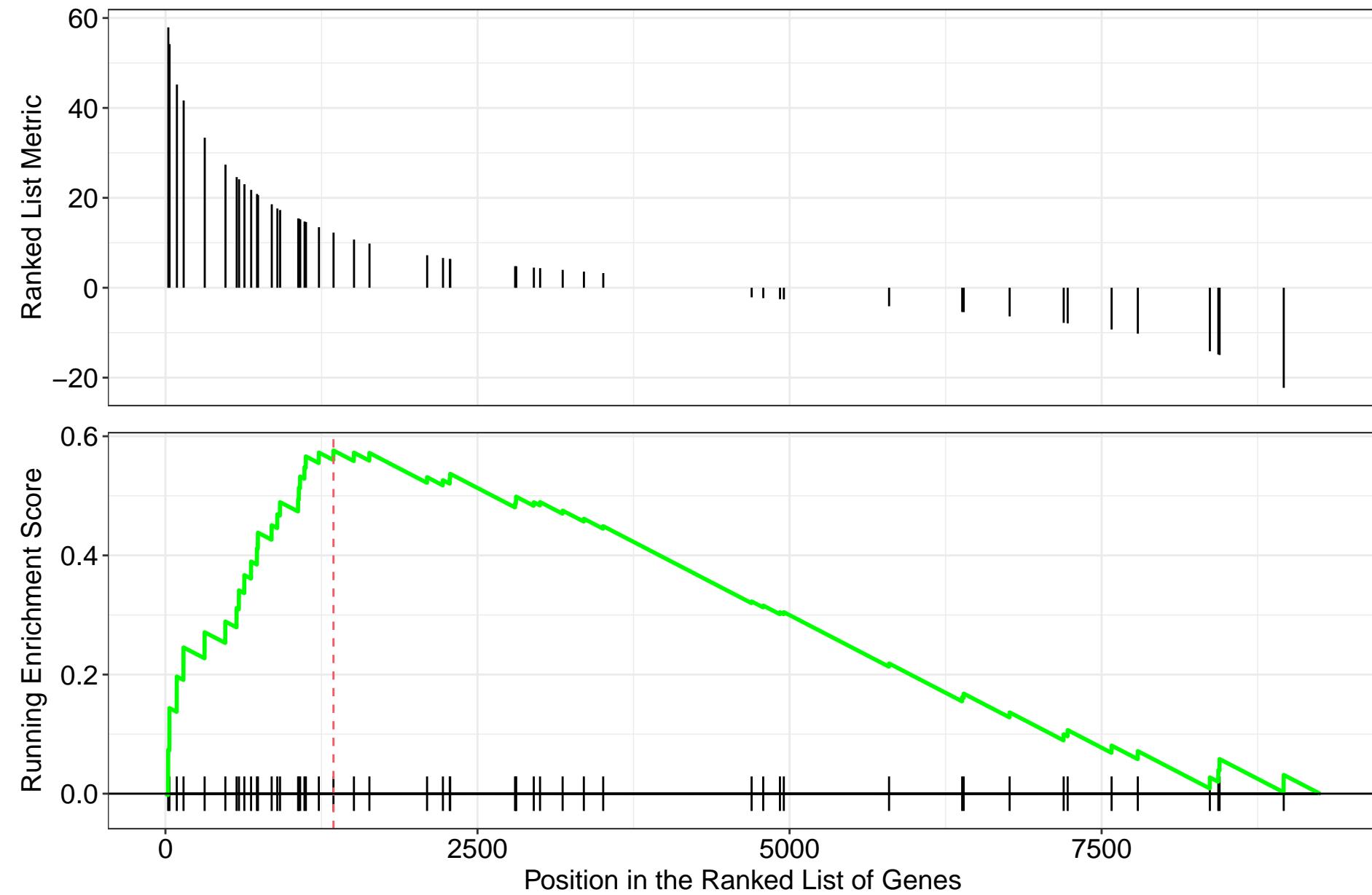
Position in the Ranked List of Genes



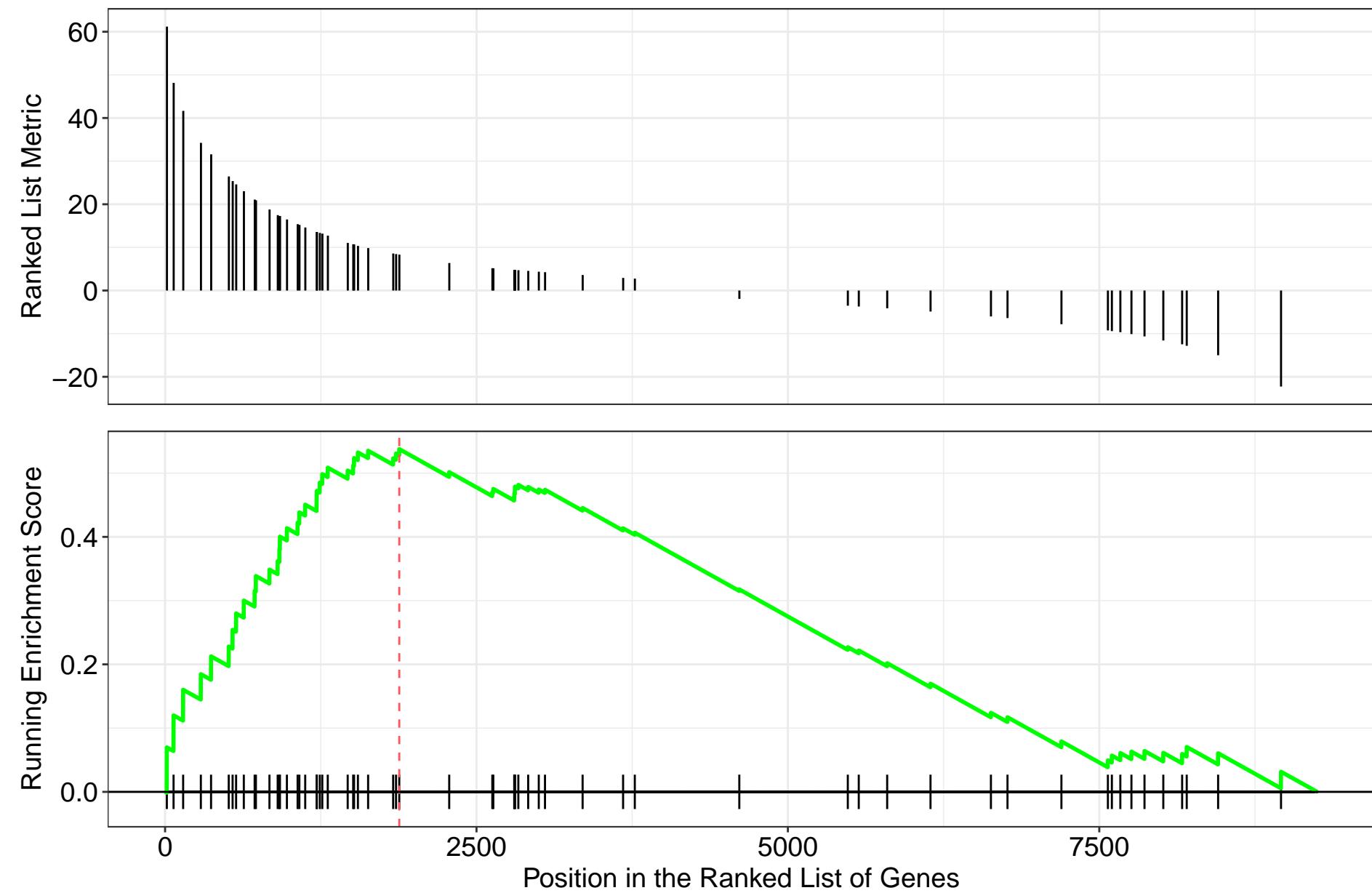
positive regulation of defense response to virus by host



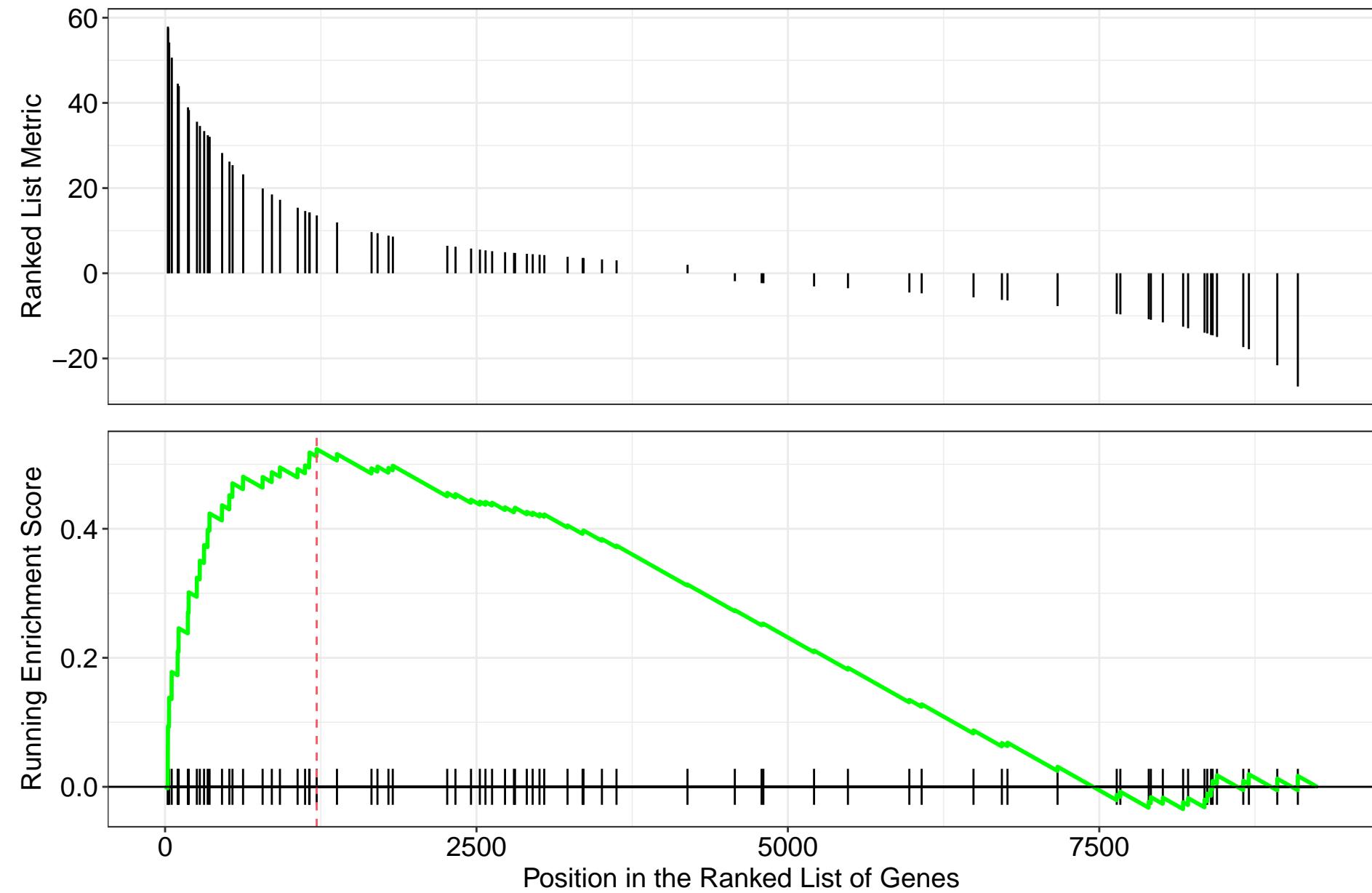
positive regulation of chemokine production



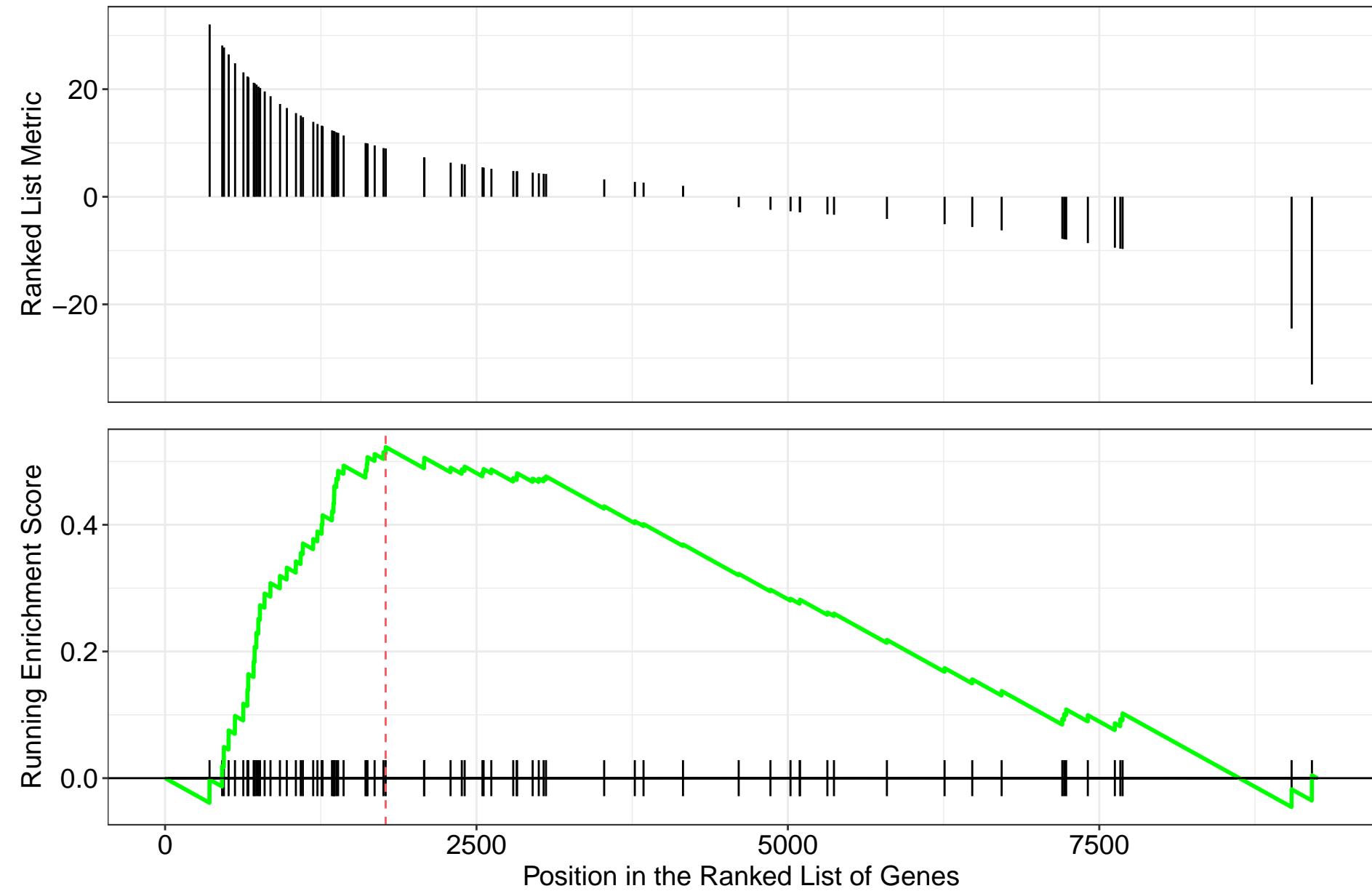
macrophage activation



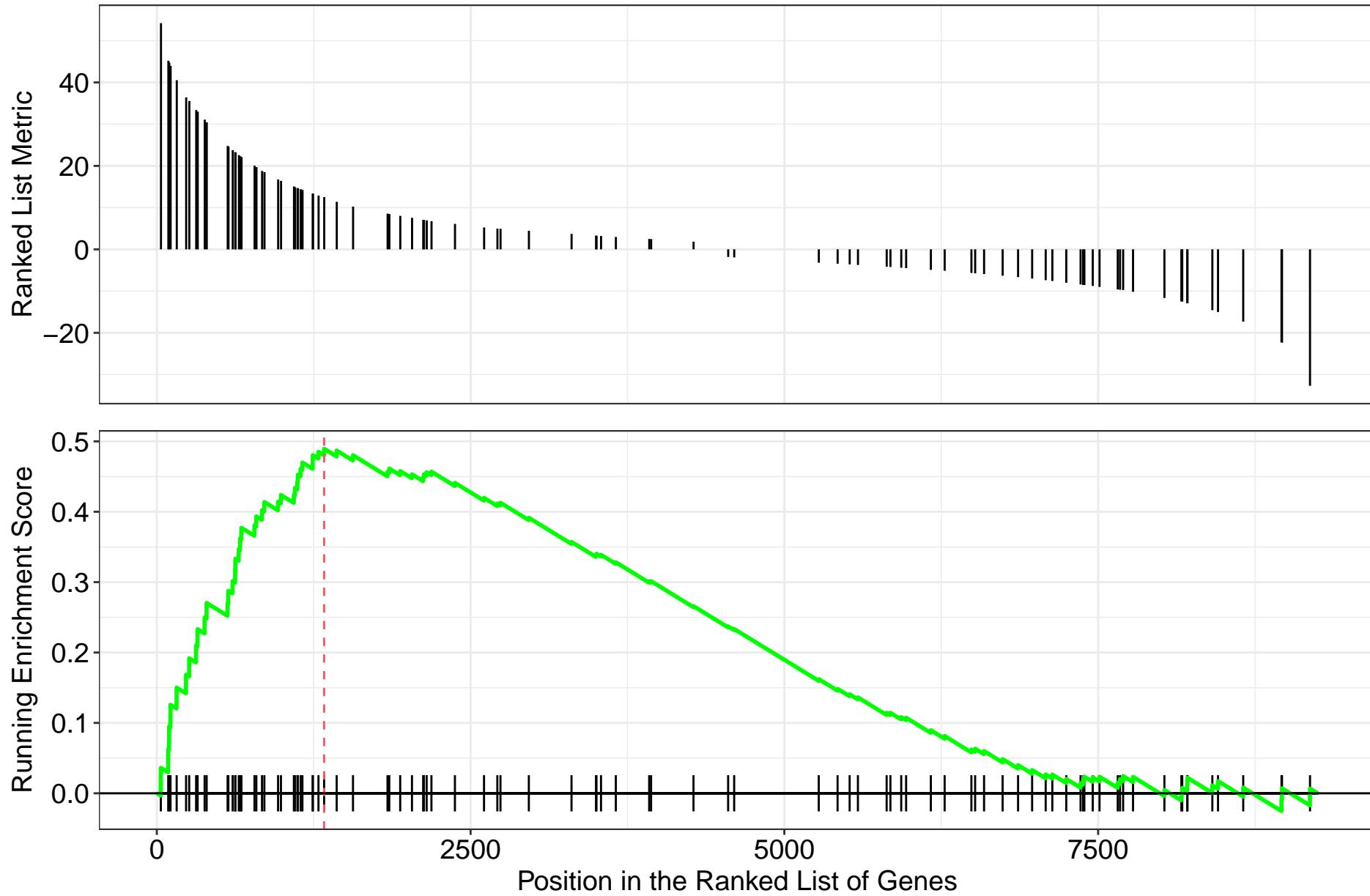
positive regulation of chemotaxis



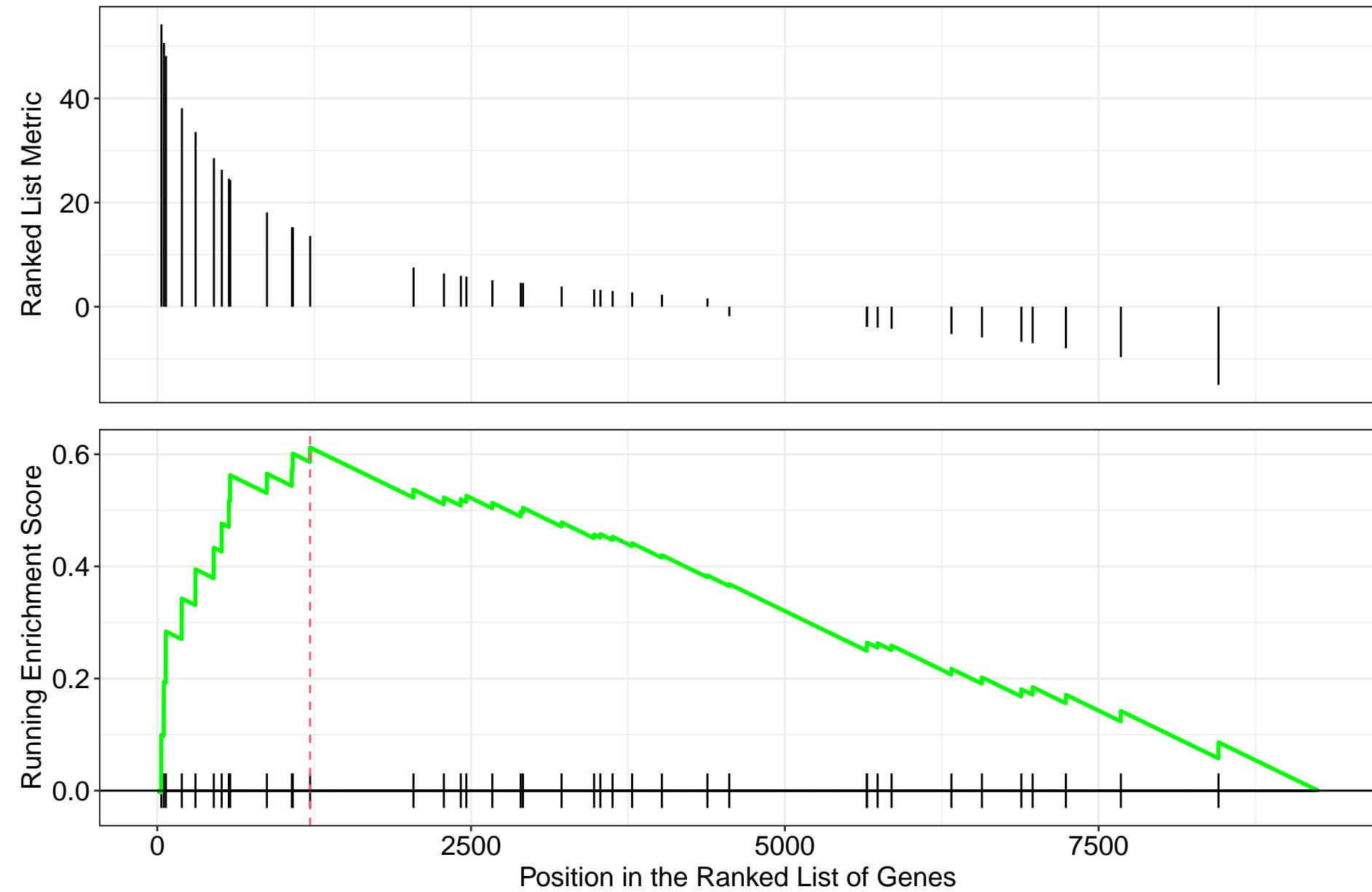
antigen processing and presentation



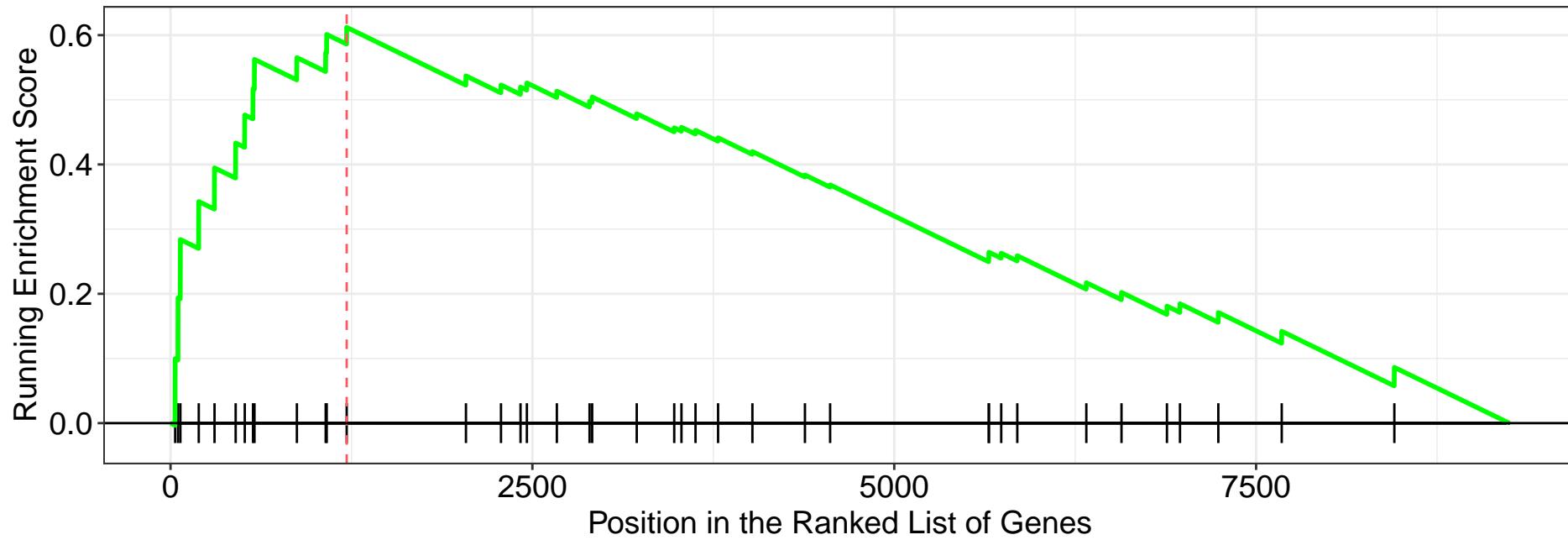
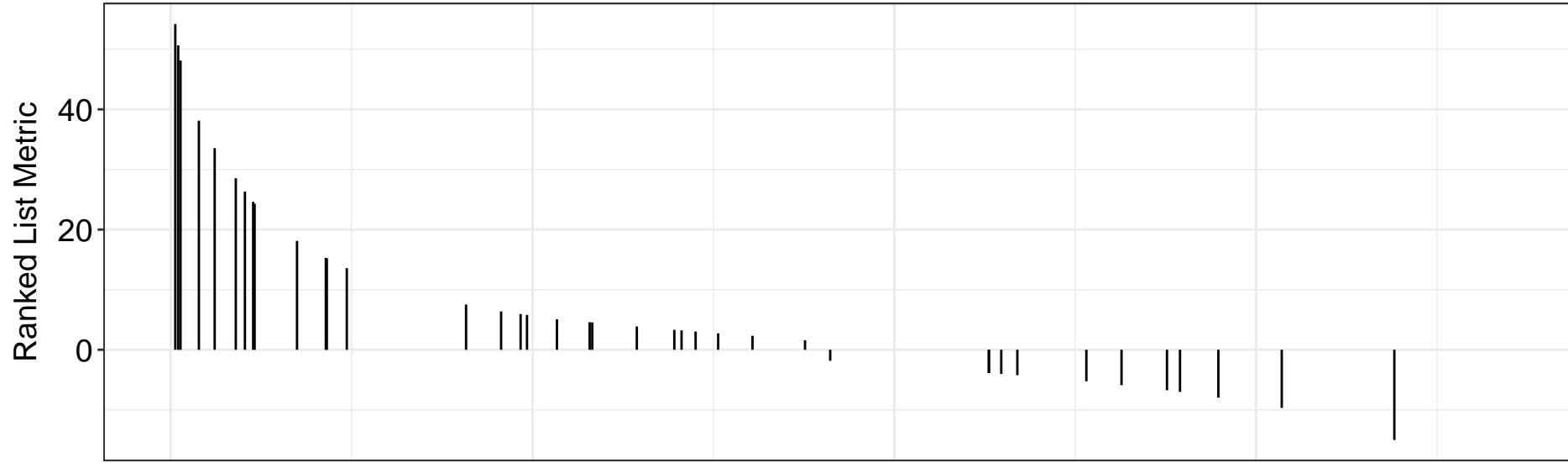
morphogenesis of a branching structure



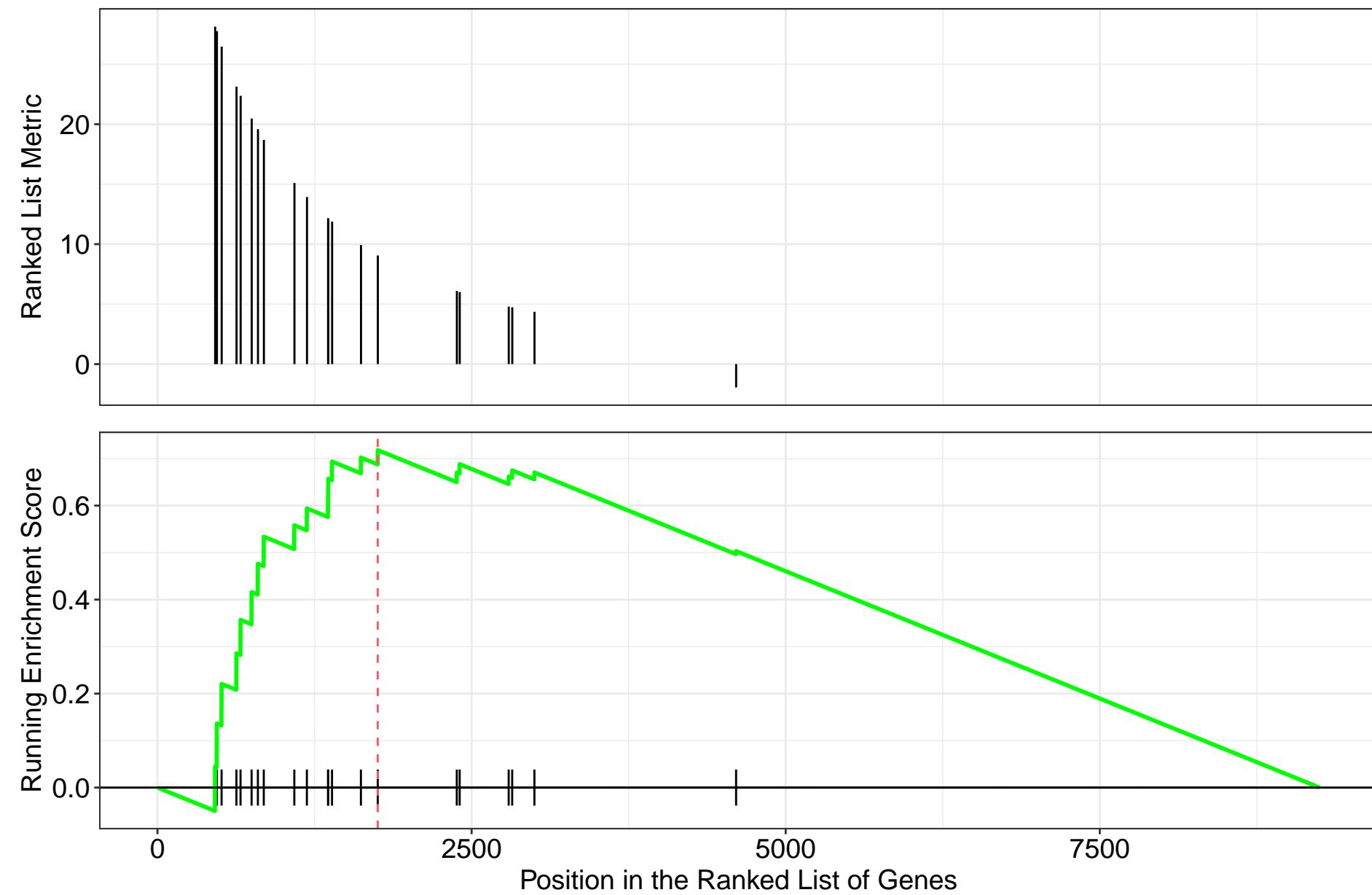
signal transduction in absence of ligand



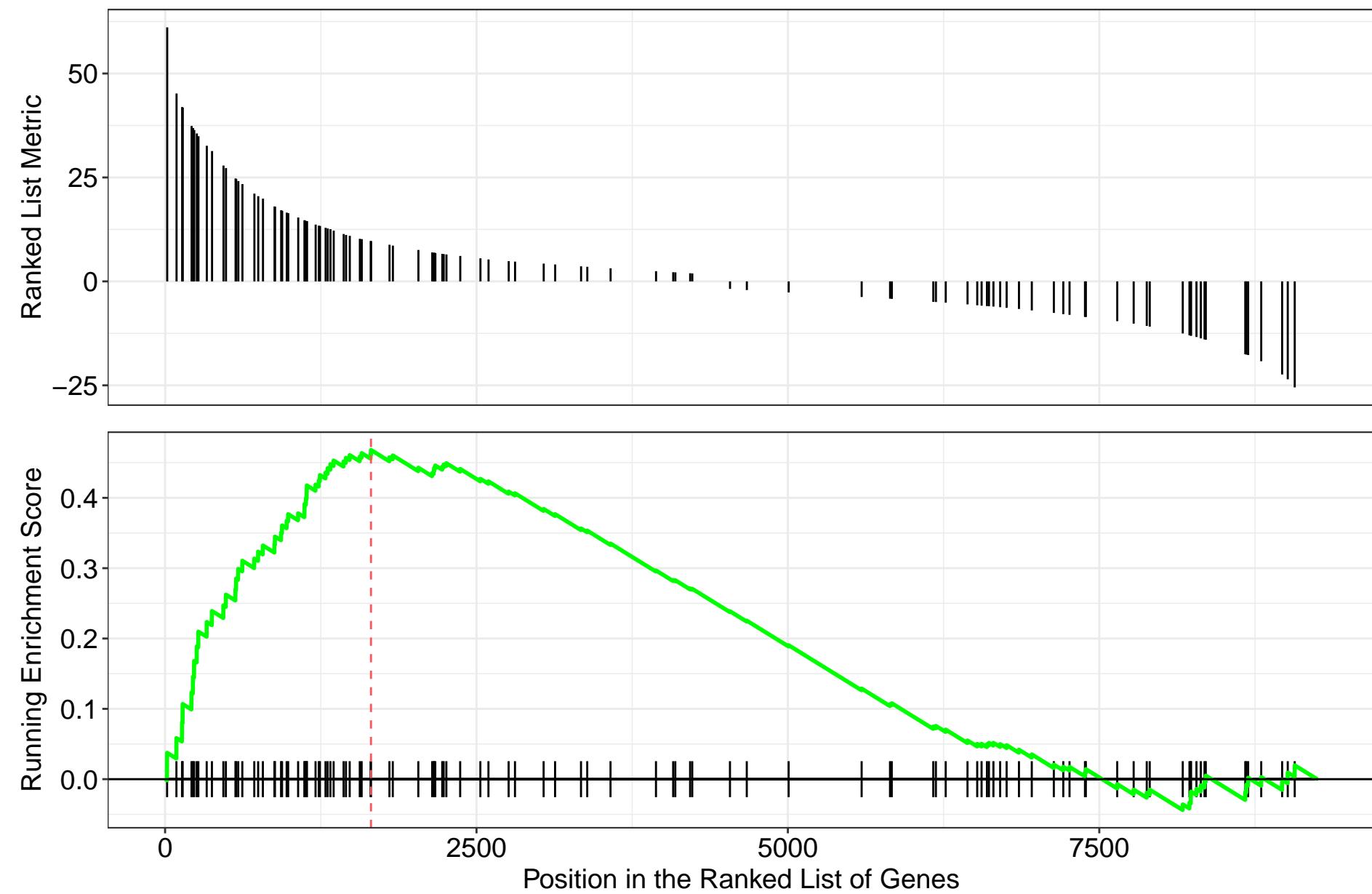
extrinsic apoptotic signaling pathway in absence of ligand



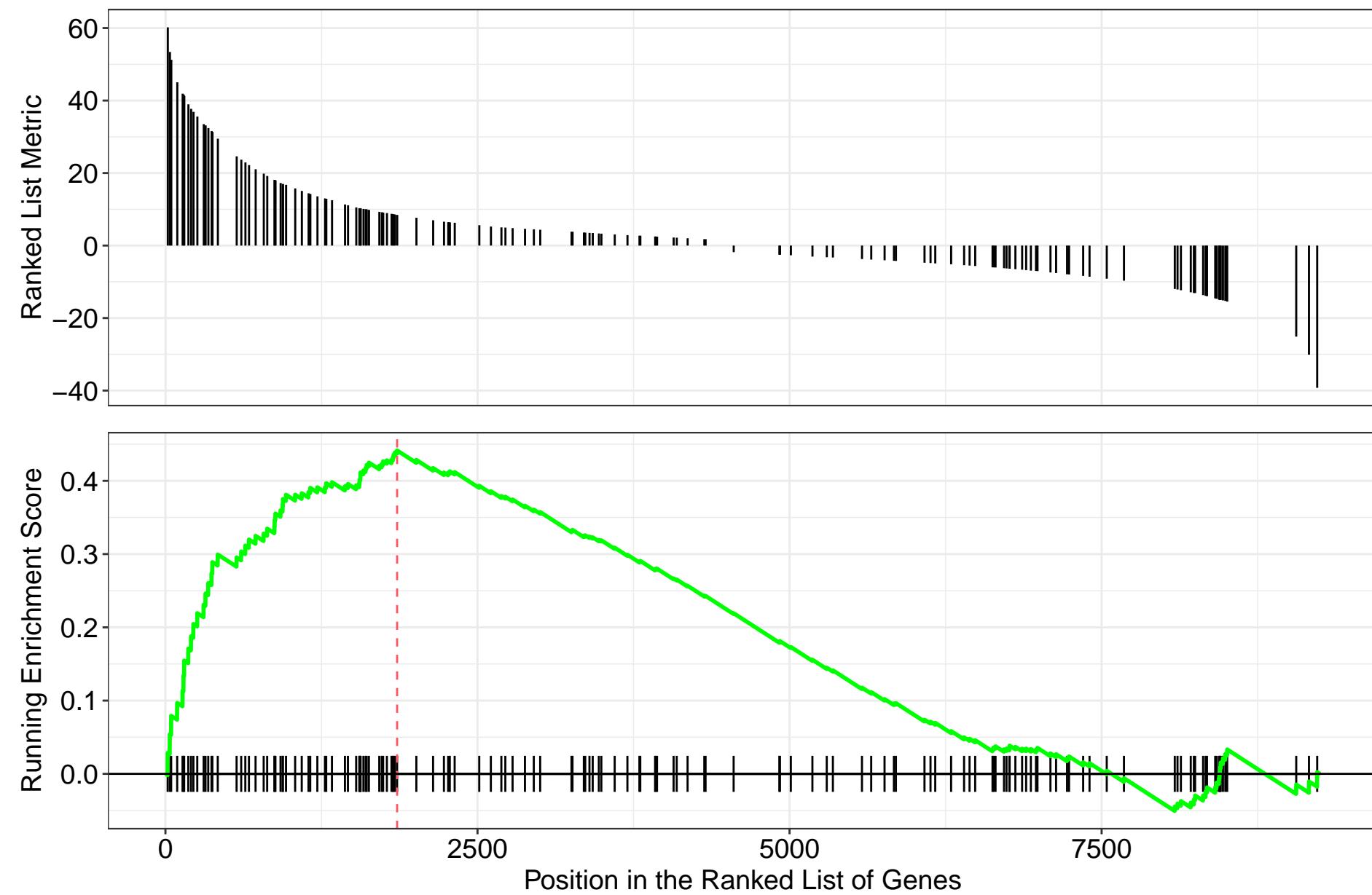
antigen processing and presentation via MHC class Ib



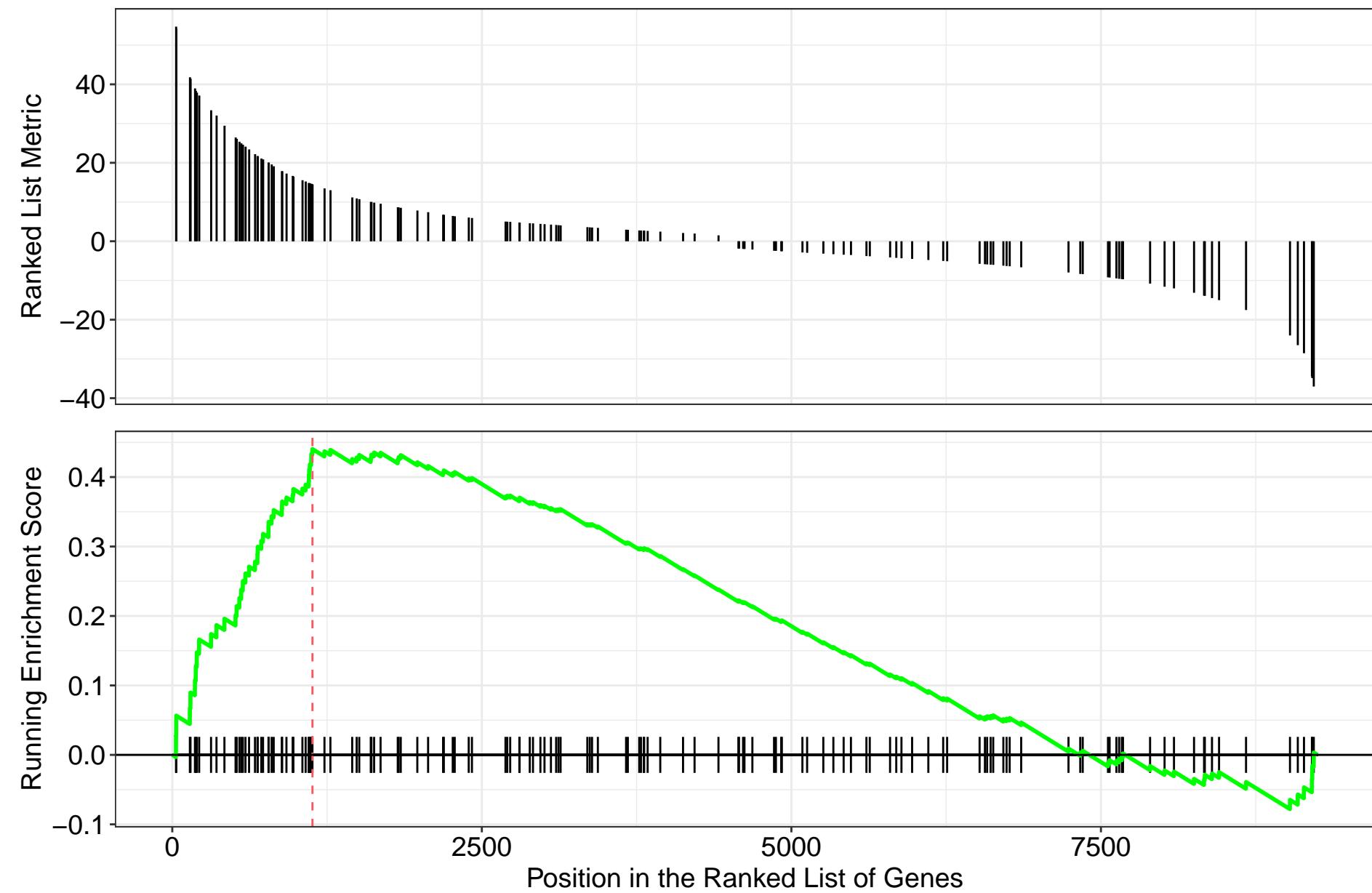
extracellular structure organization



negative regulation of cell migration

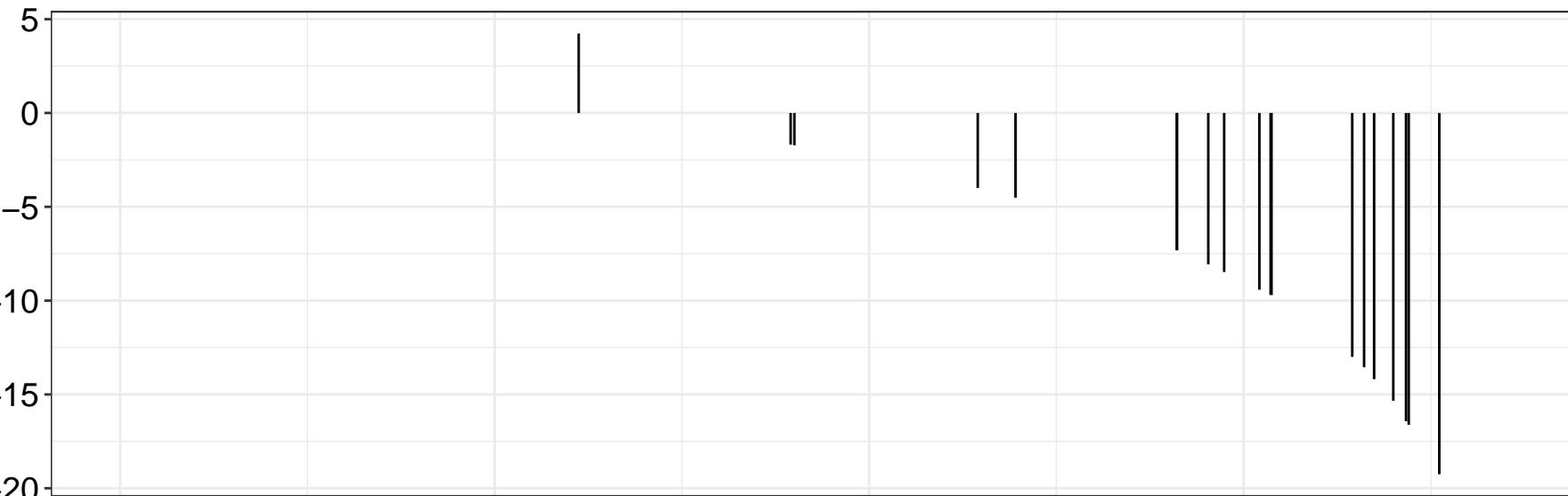


phagocytosis



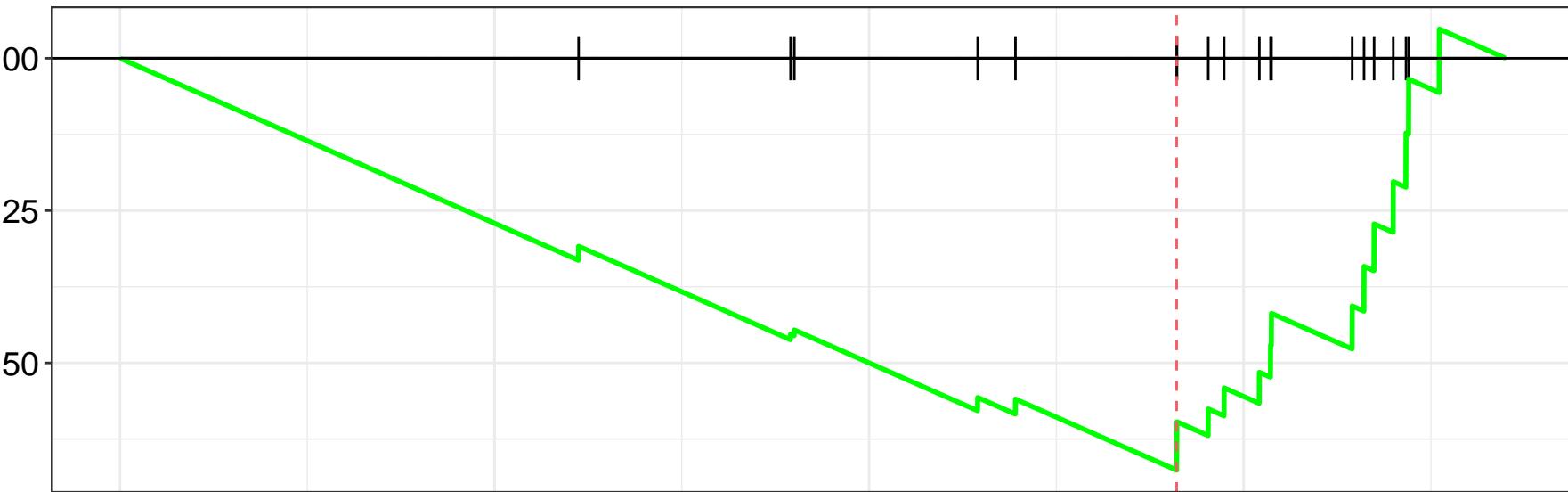
DNA replication initiation

Ranked List Metric

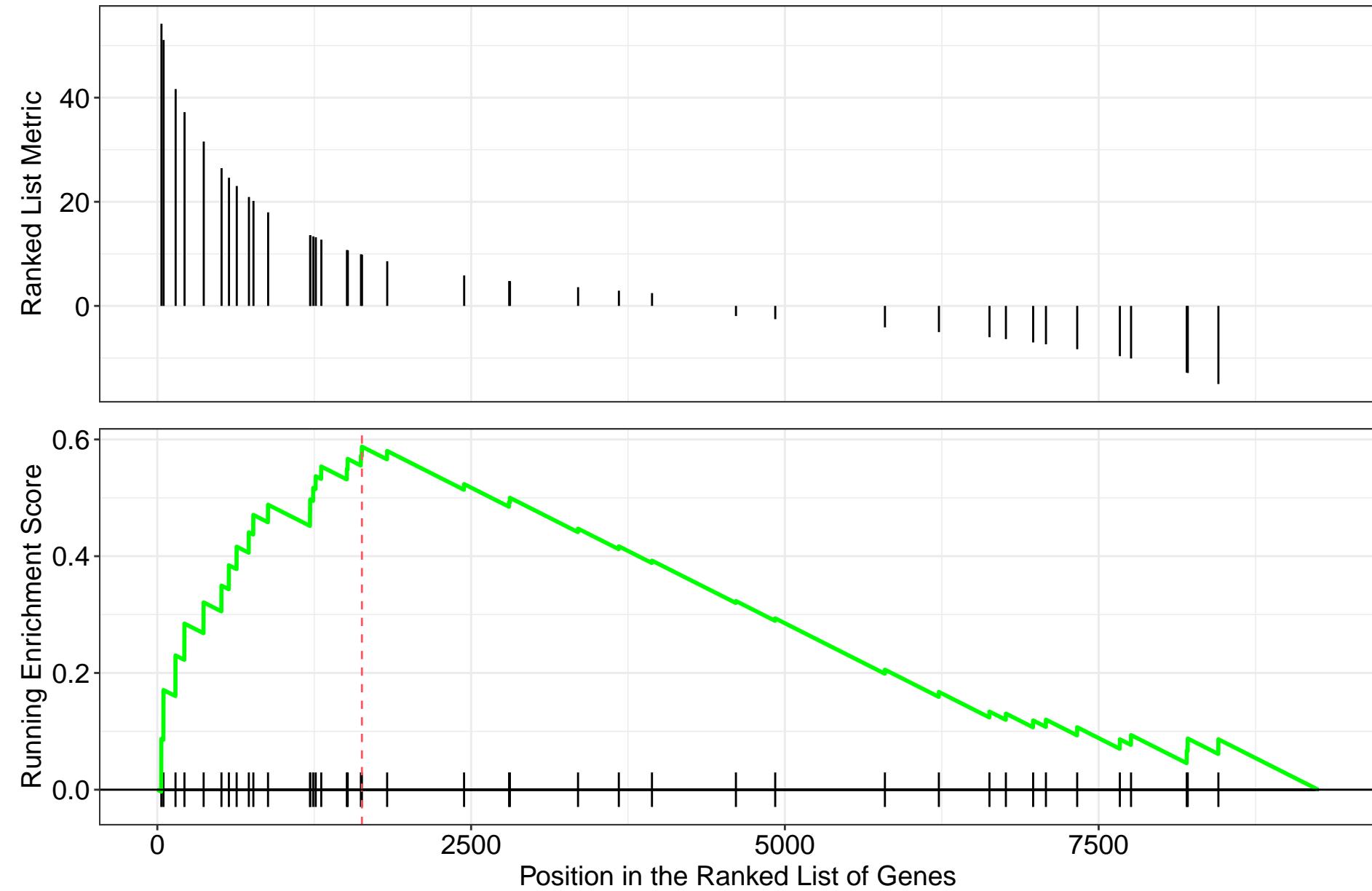


Running Enrichment Score

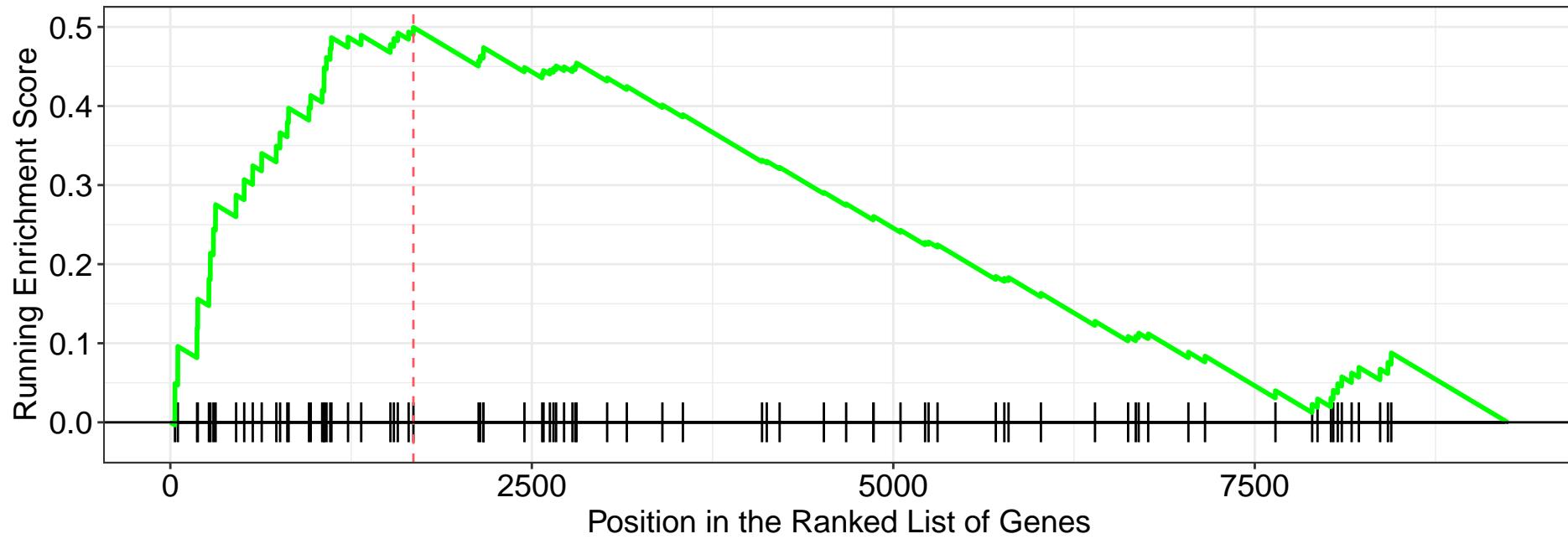
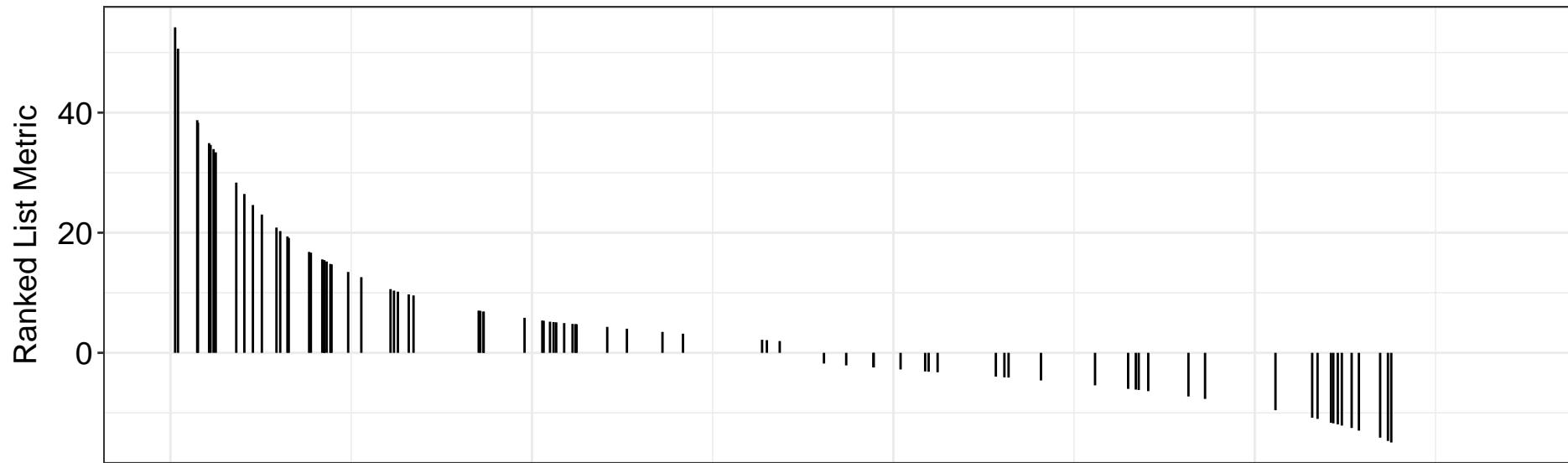
Position in the Ranked List of Genes



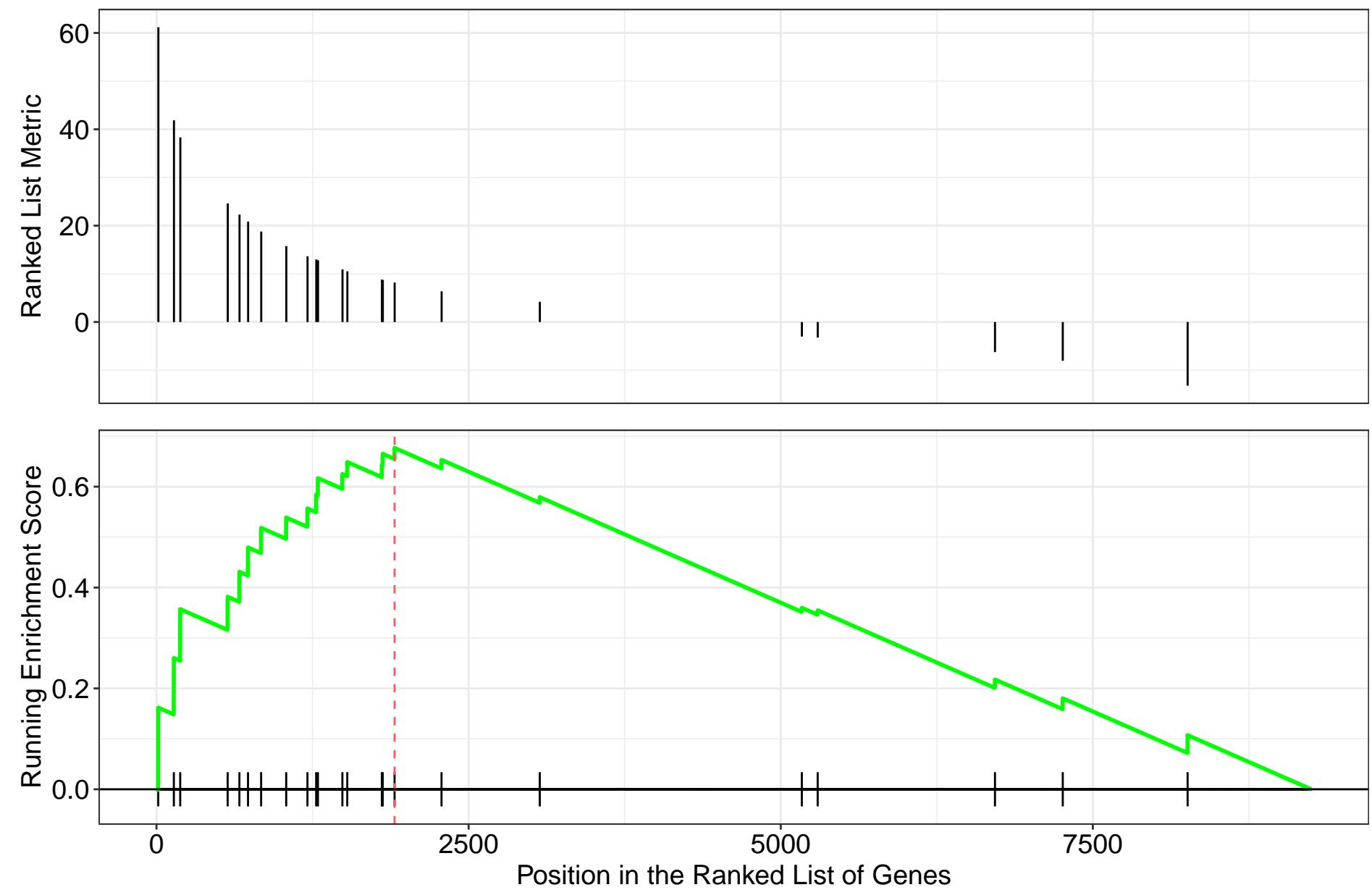
neuroinflammatory response



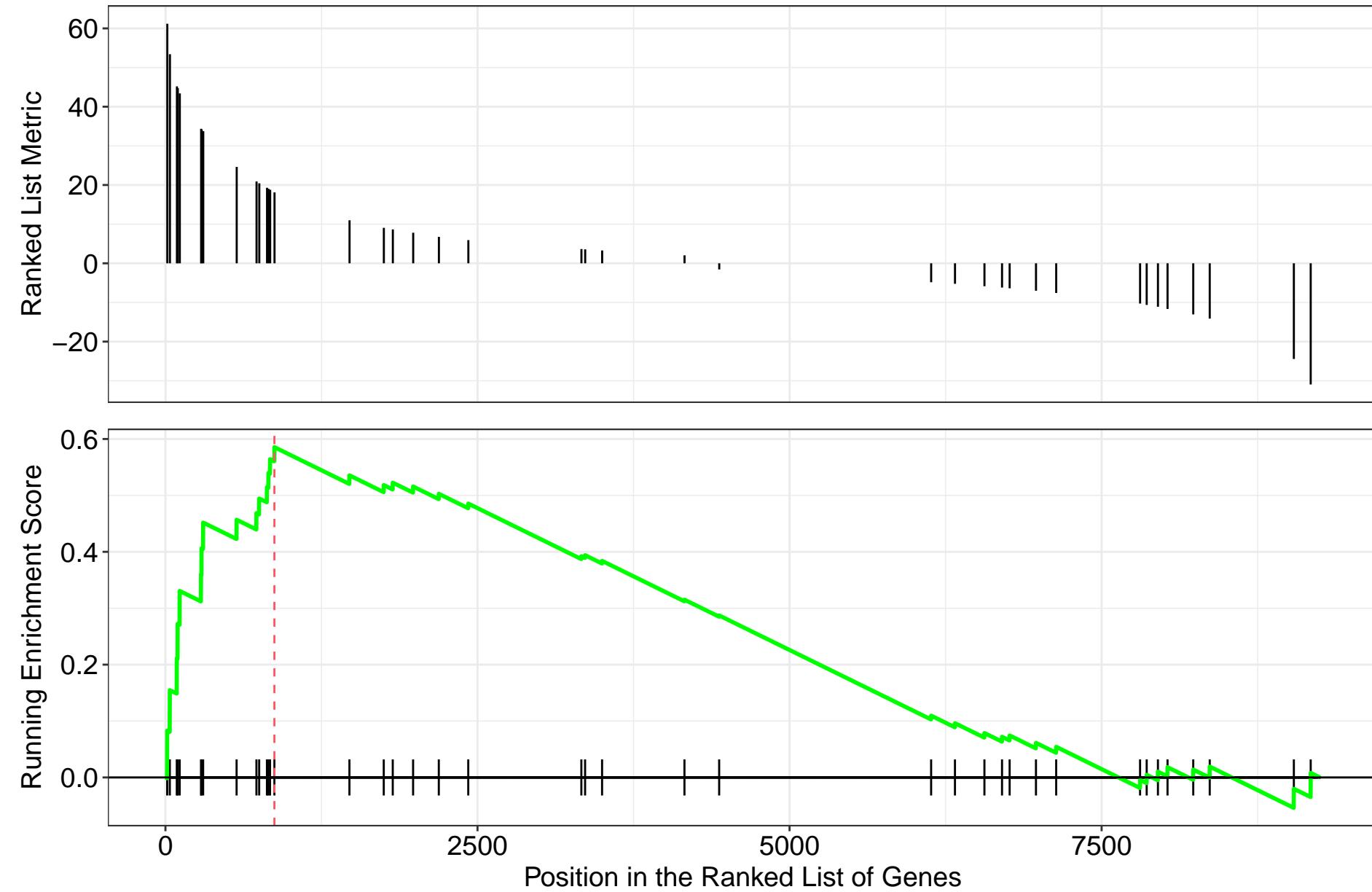
positive regulation of stress-activated protein kinase signaling cascade



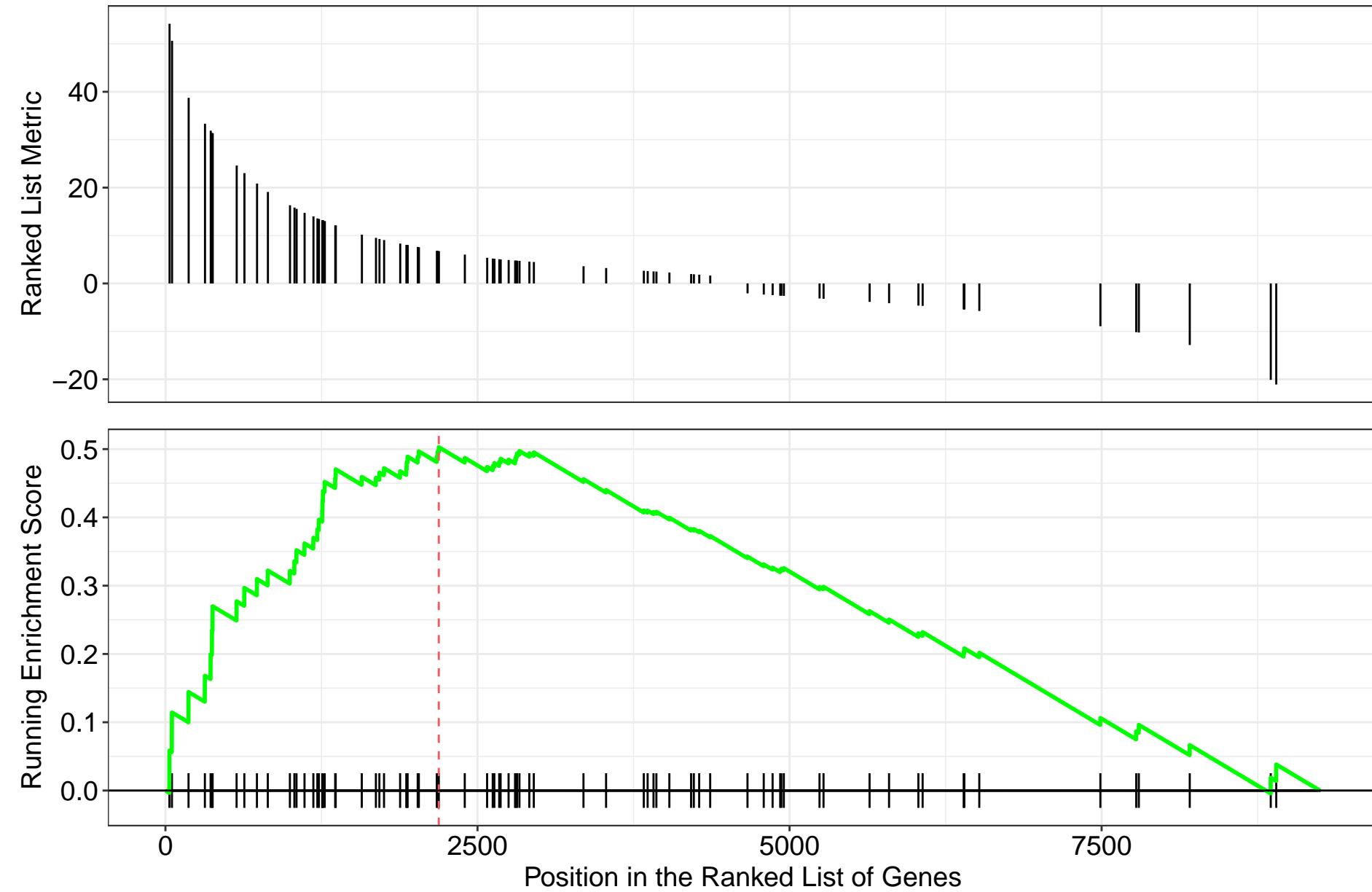
negative regulation of cytokine production involved in immune response



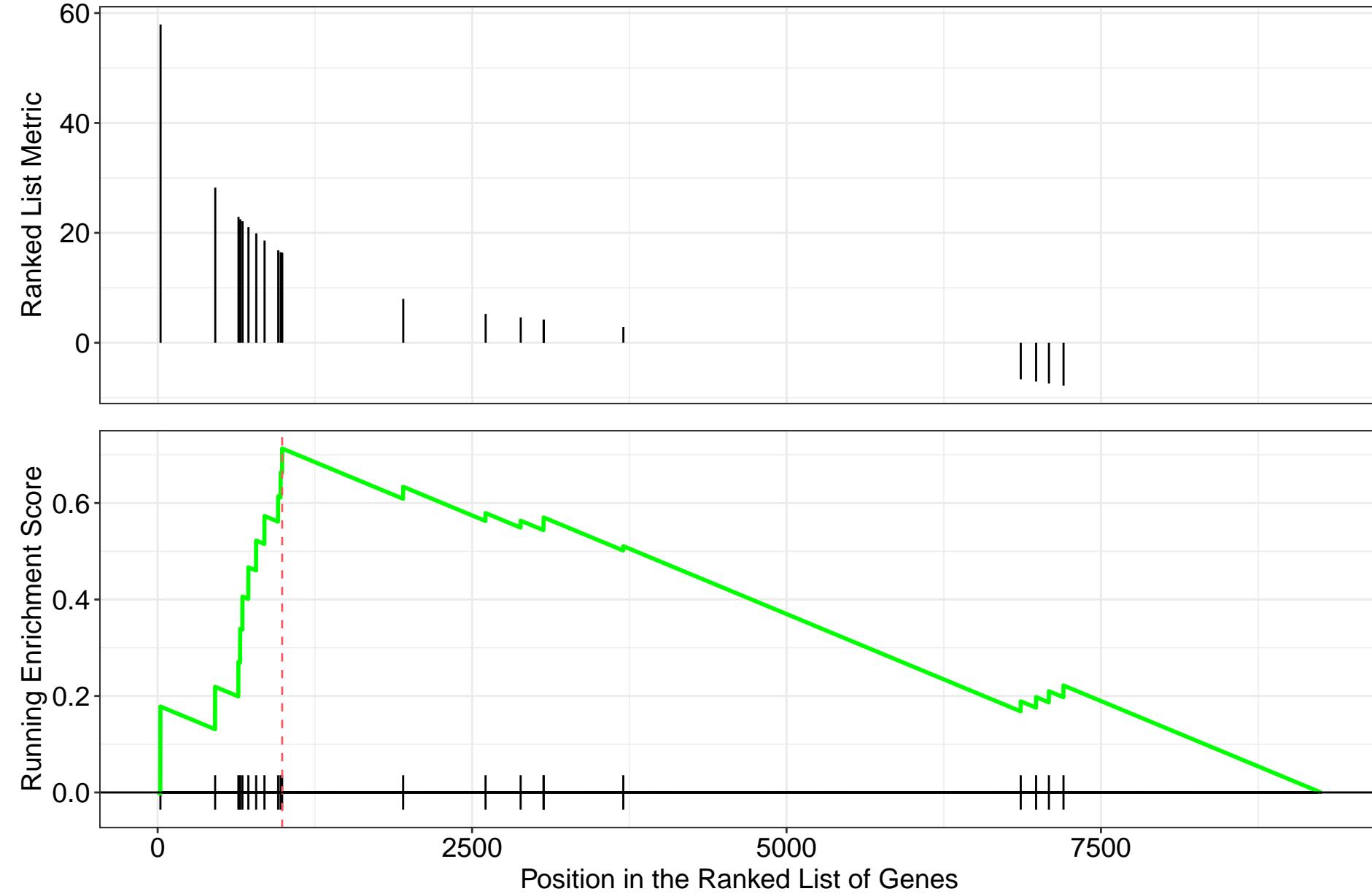
response to glucocorticoid



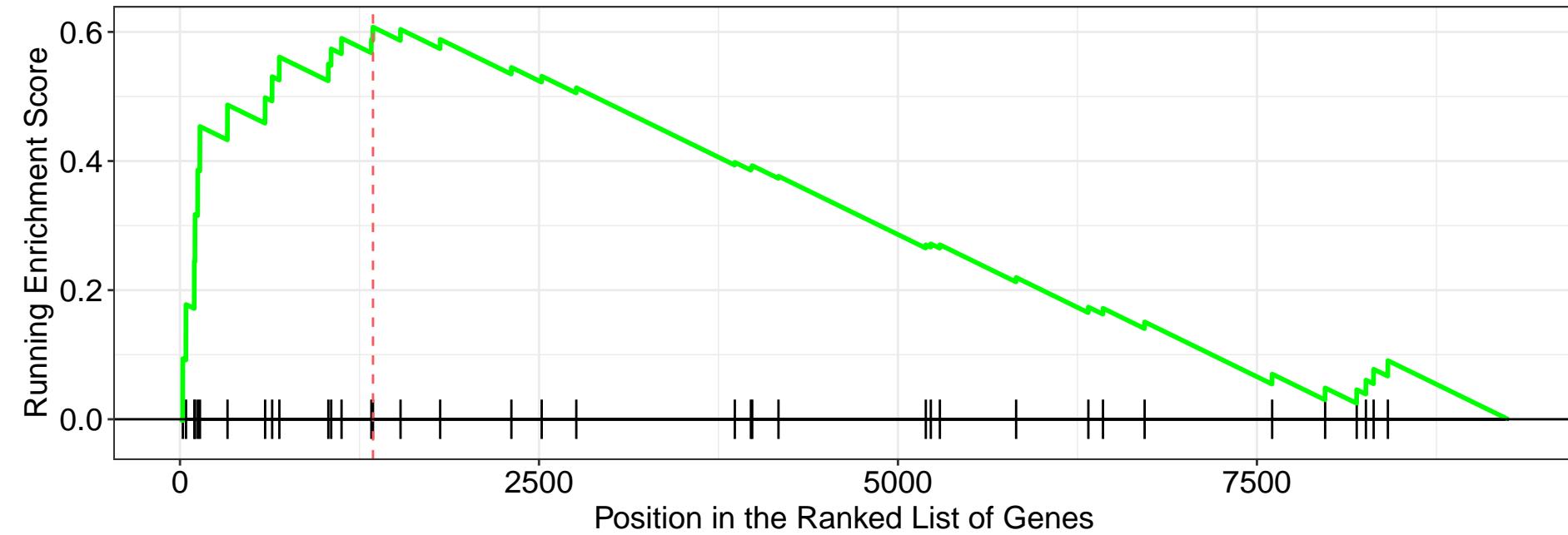
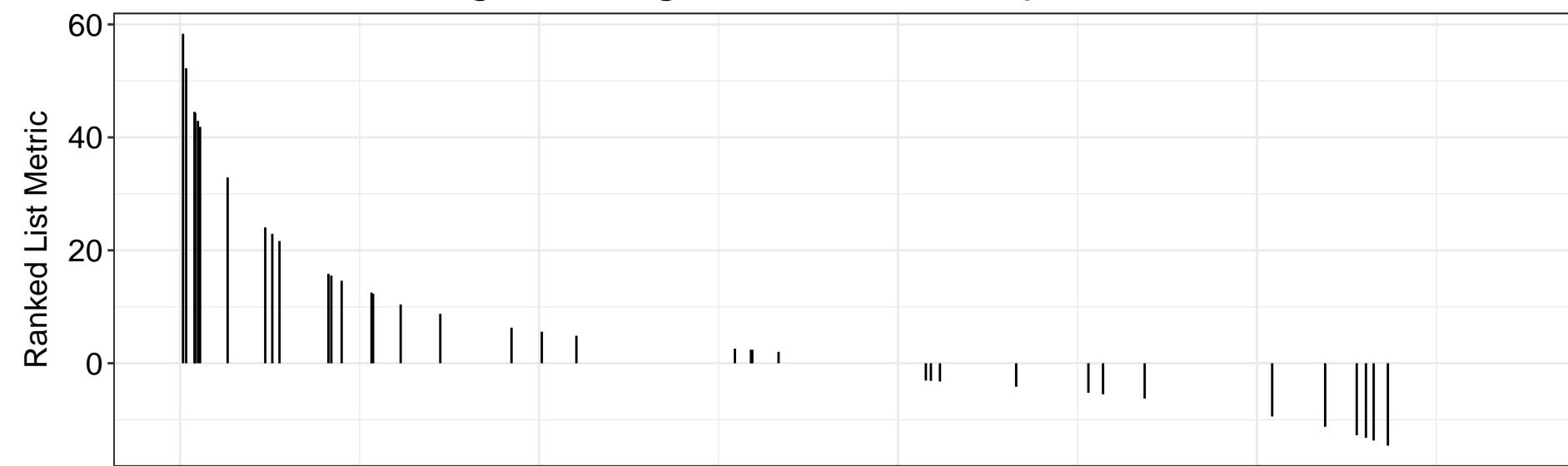
positive regulation of I-kappaB kinase/NF-kappaB signaling



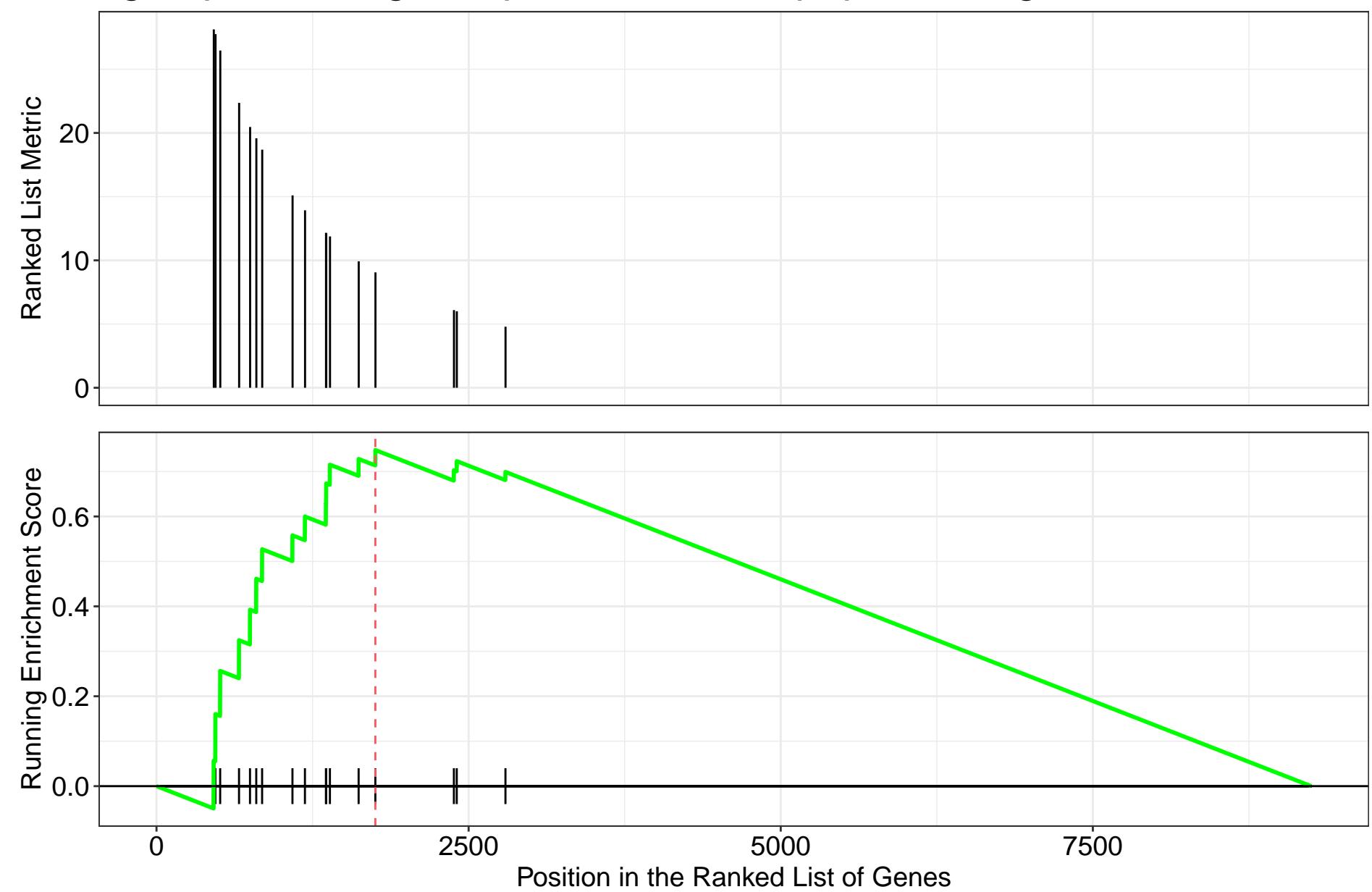
positive regulation of phospholipase activity



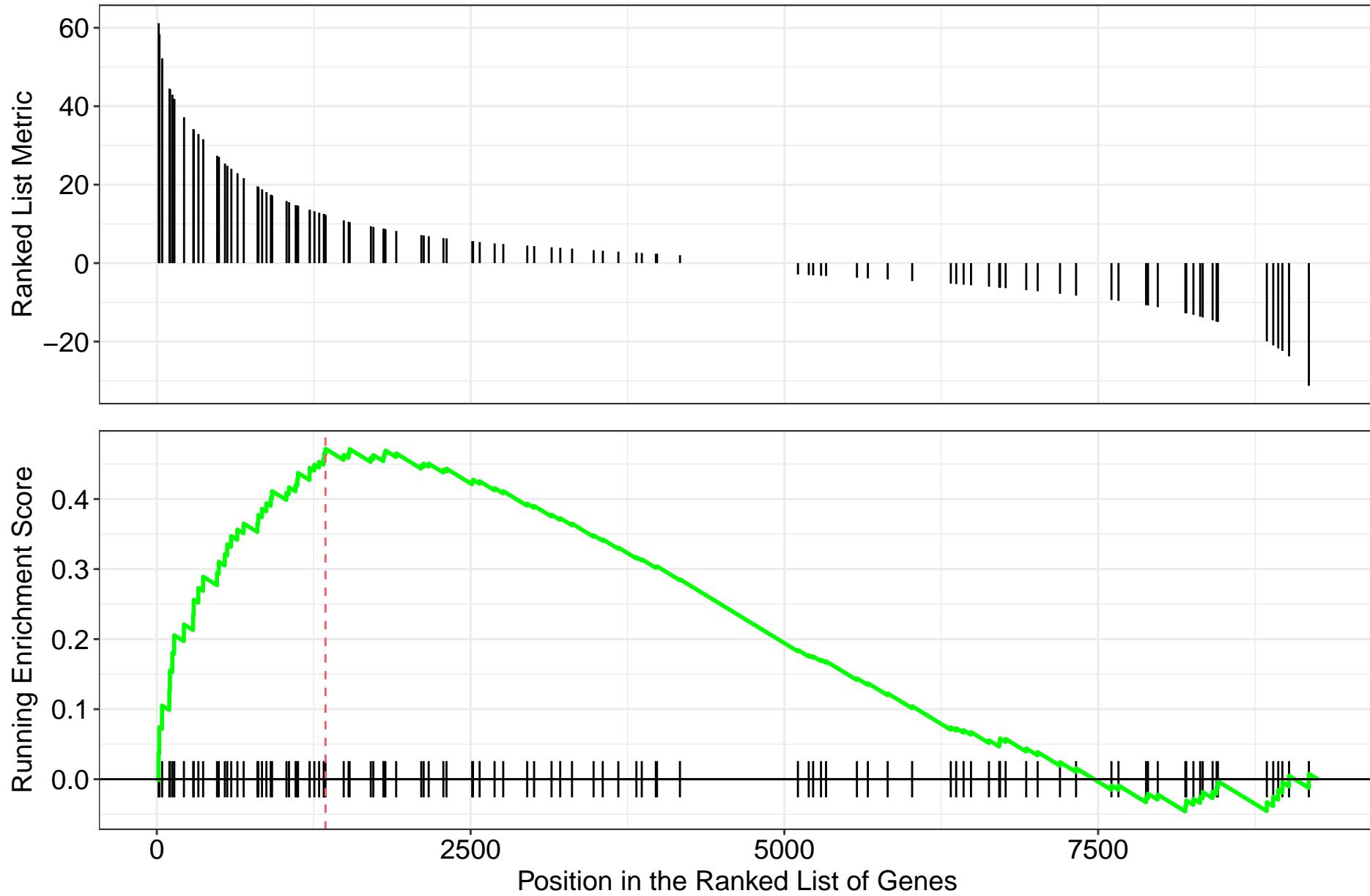
negative regulation of T cell proliferation



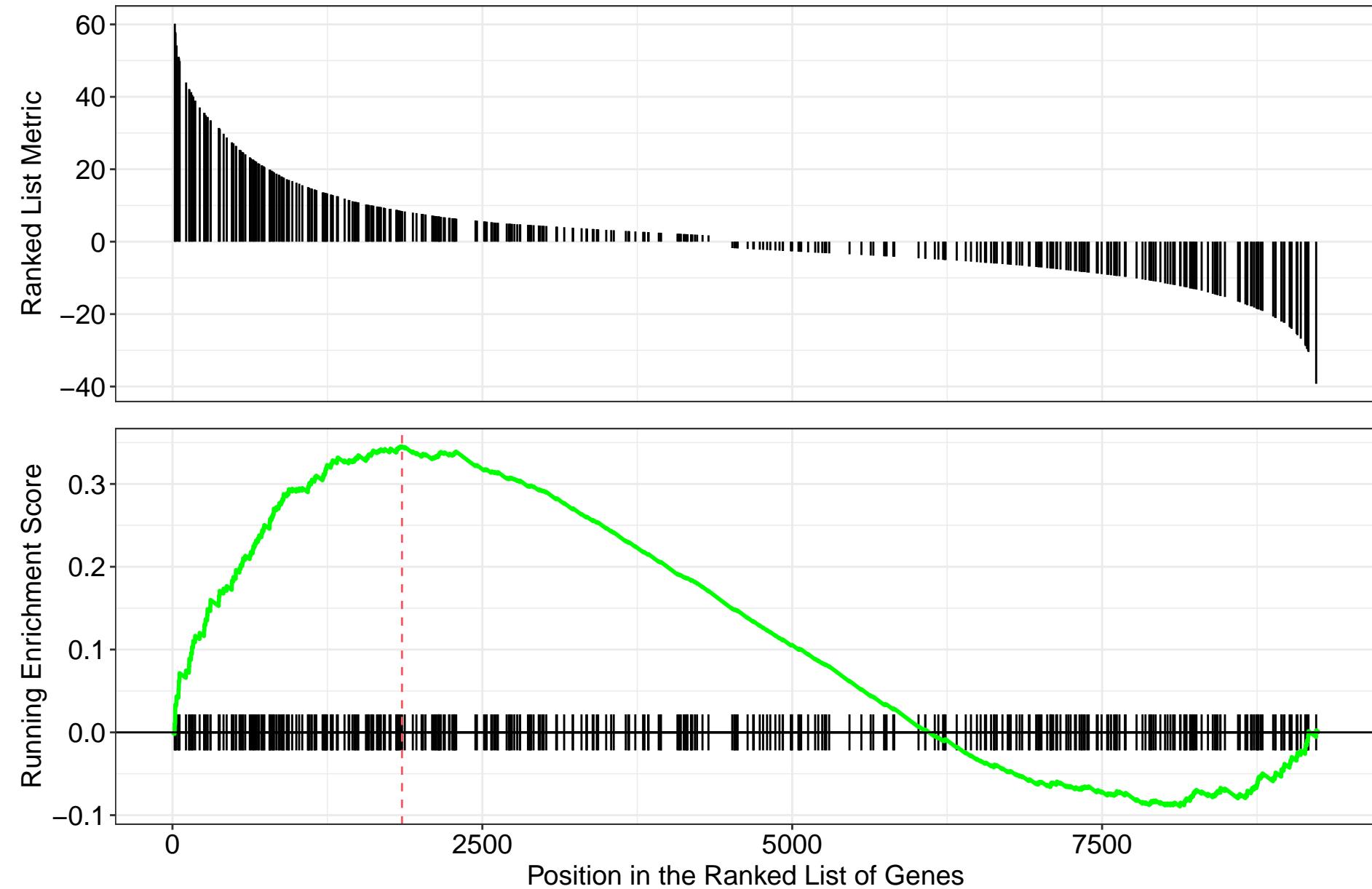
antigen processing and presentation of peptide antigen via MHC class I



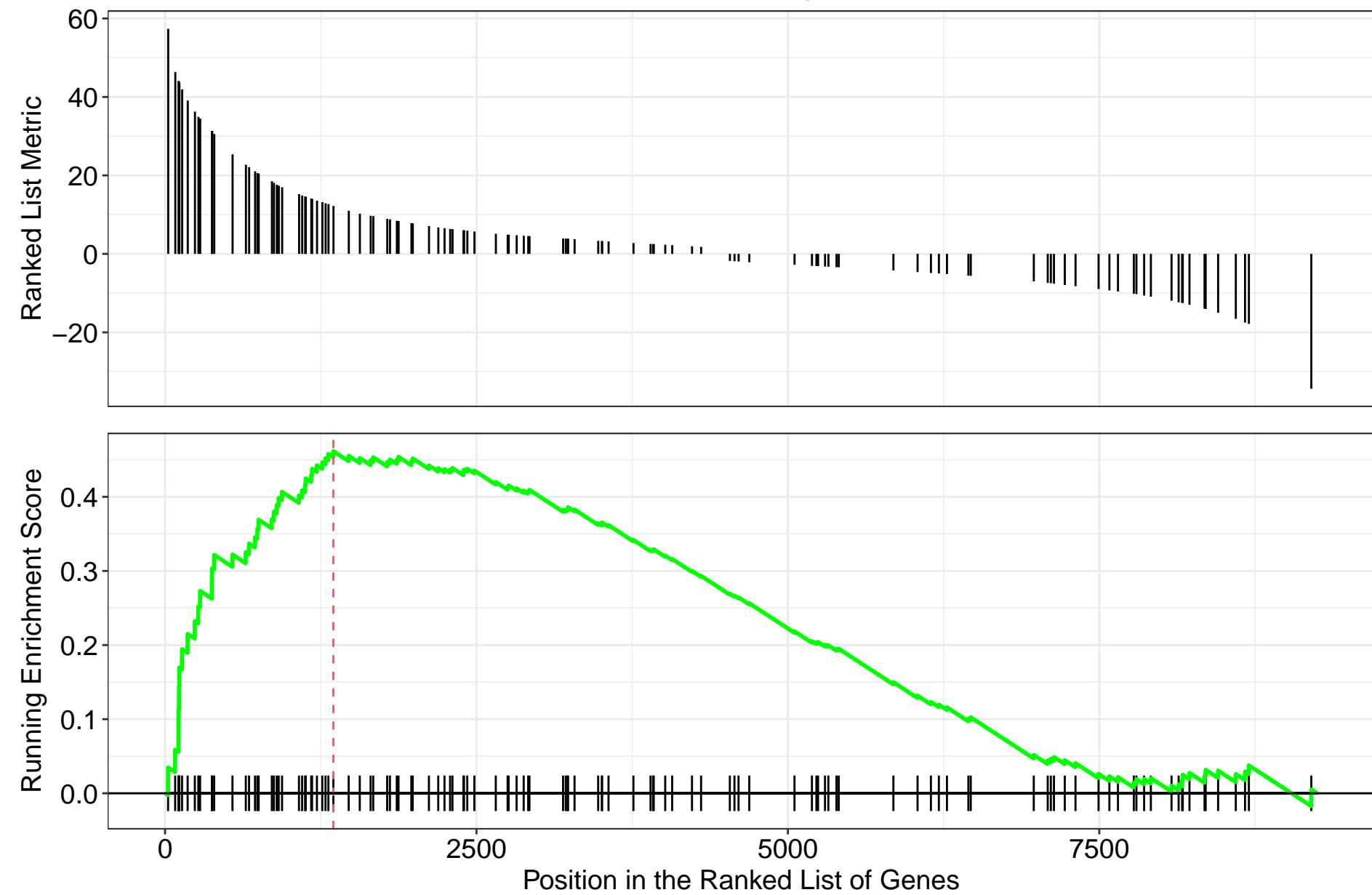
negative regulation of leukocyte activation



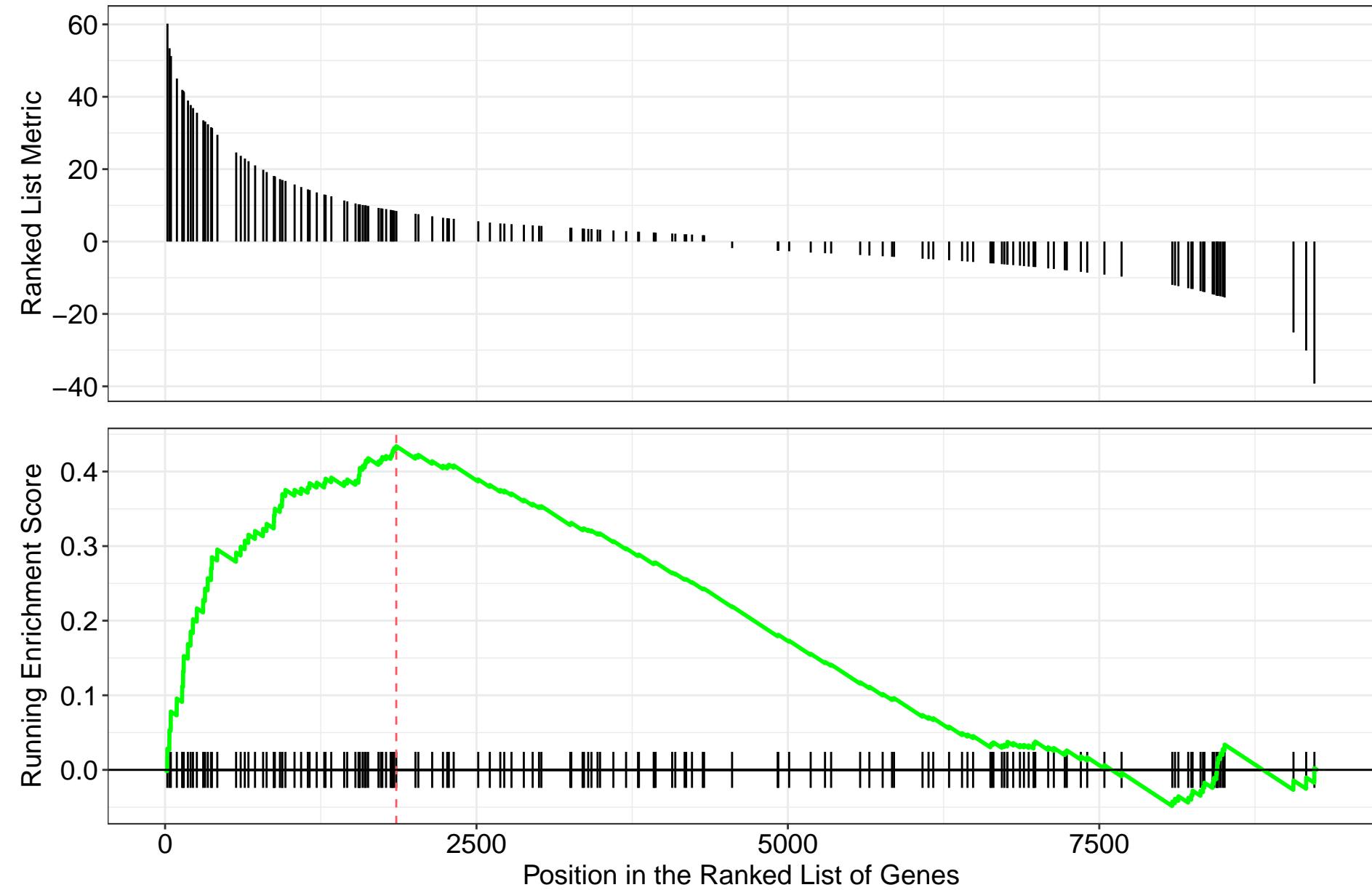
vasculature development



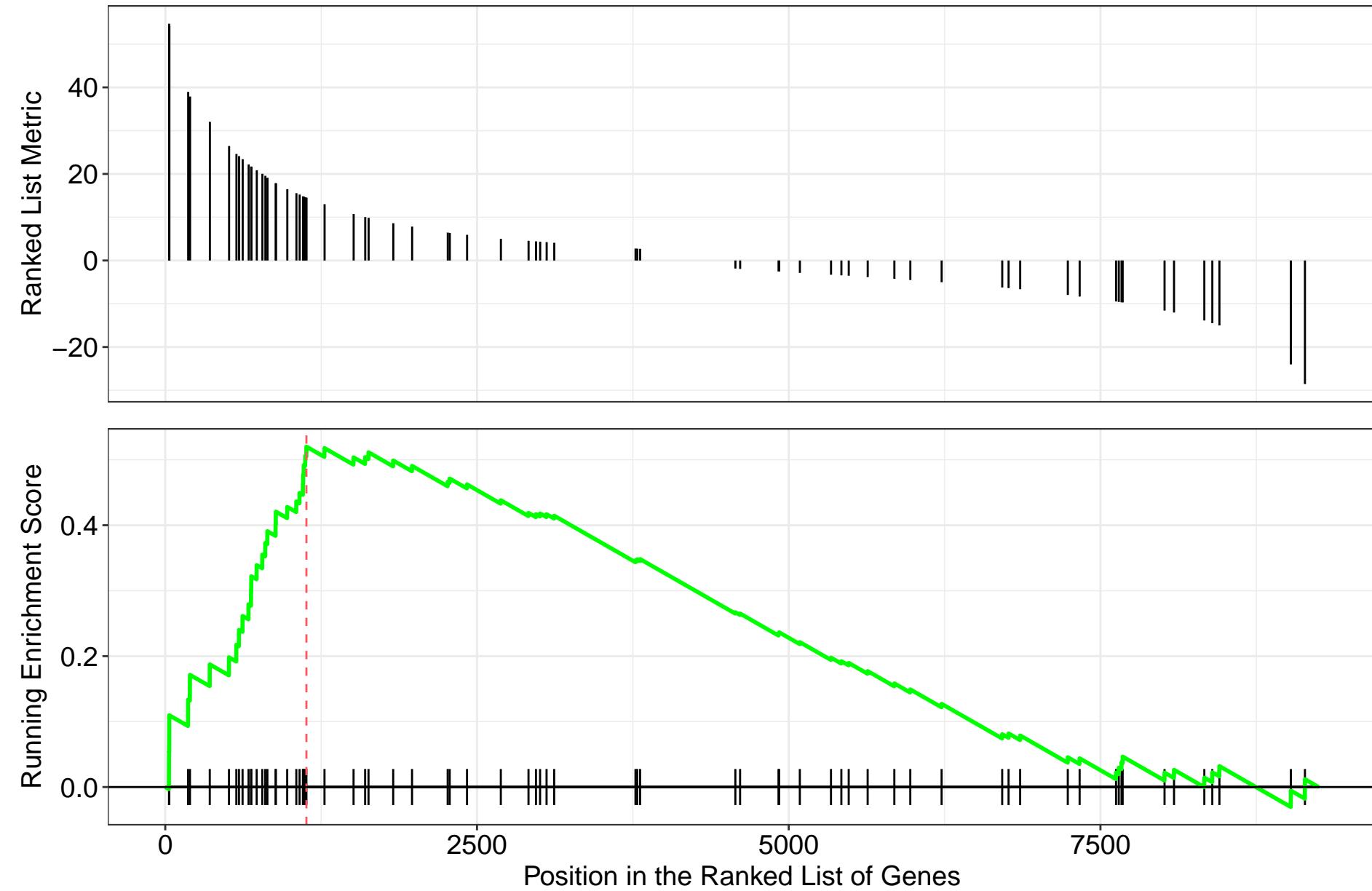
response to oxygen levels



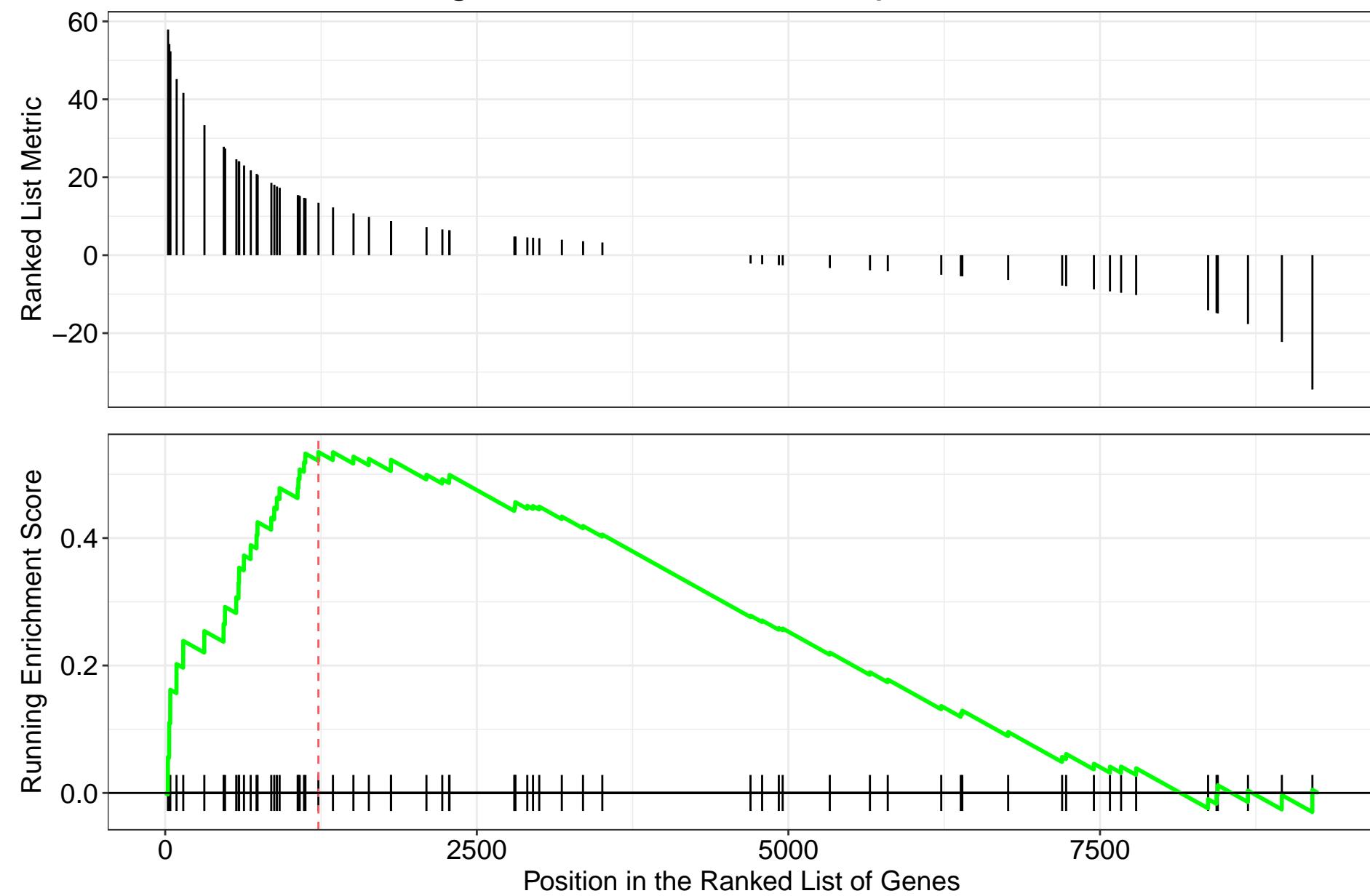
negative regulation of cell motility



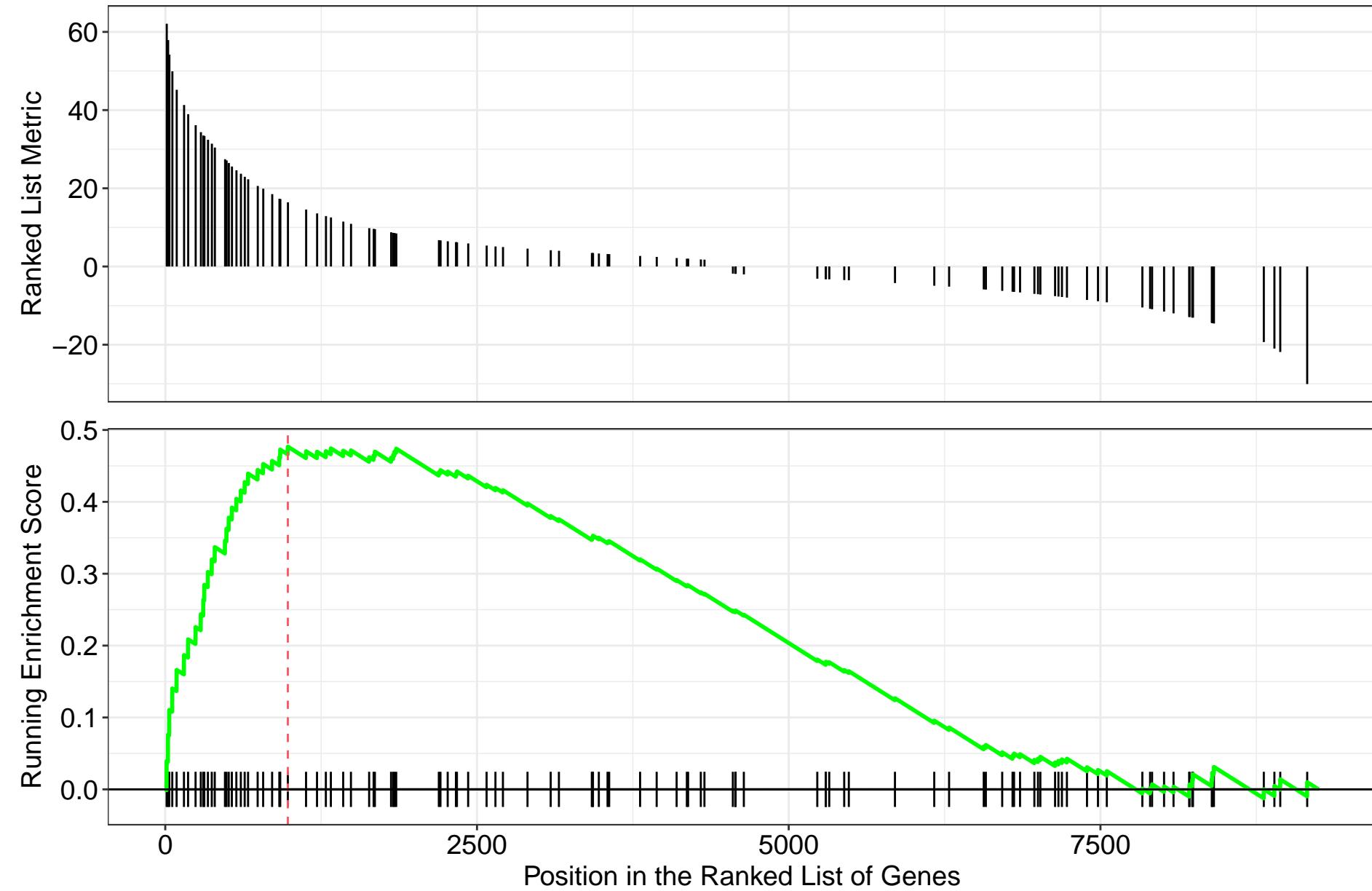
regulation of phagocytosis



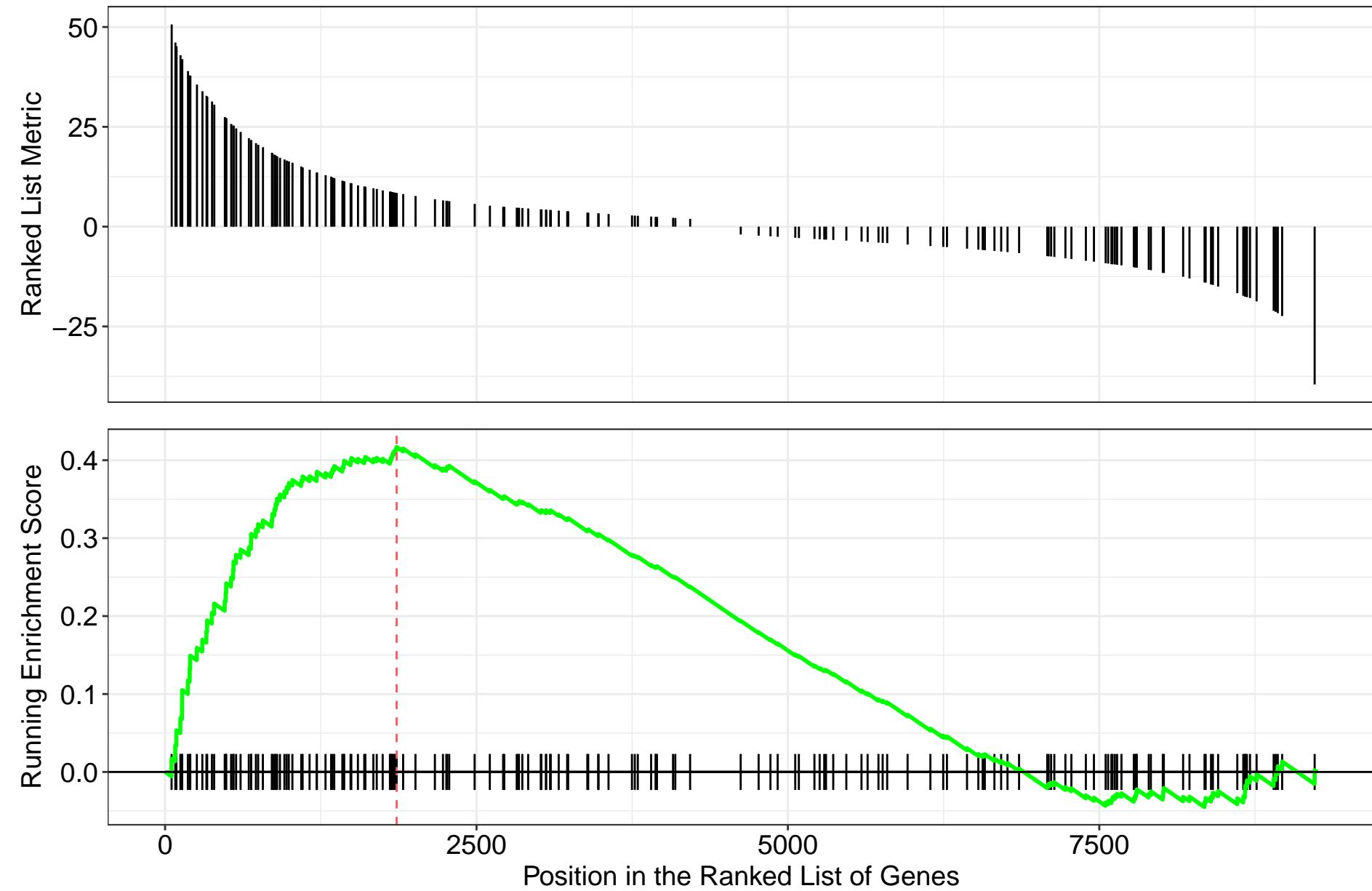
regulation of chemokine production



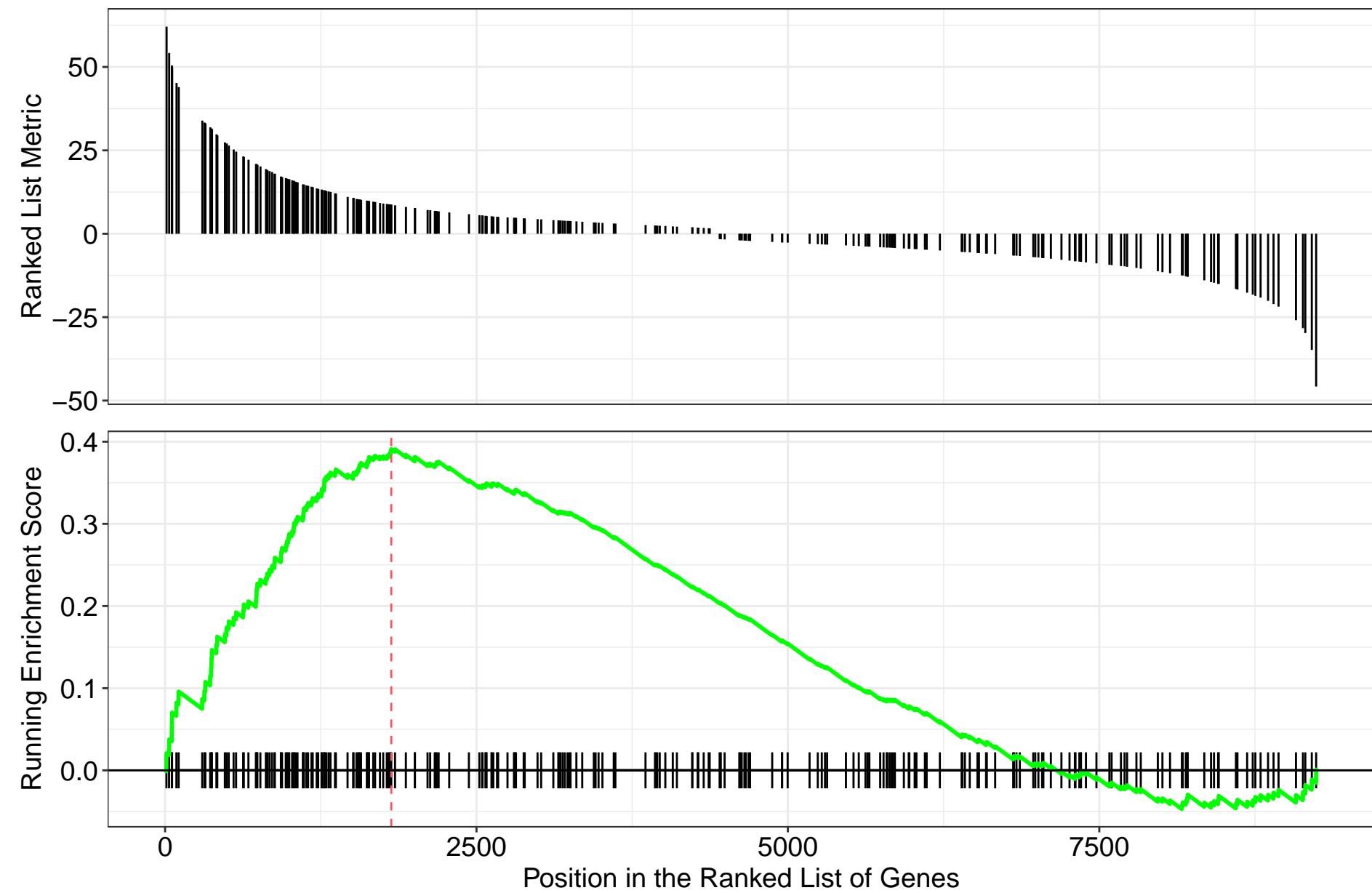
protein kinase B signaling



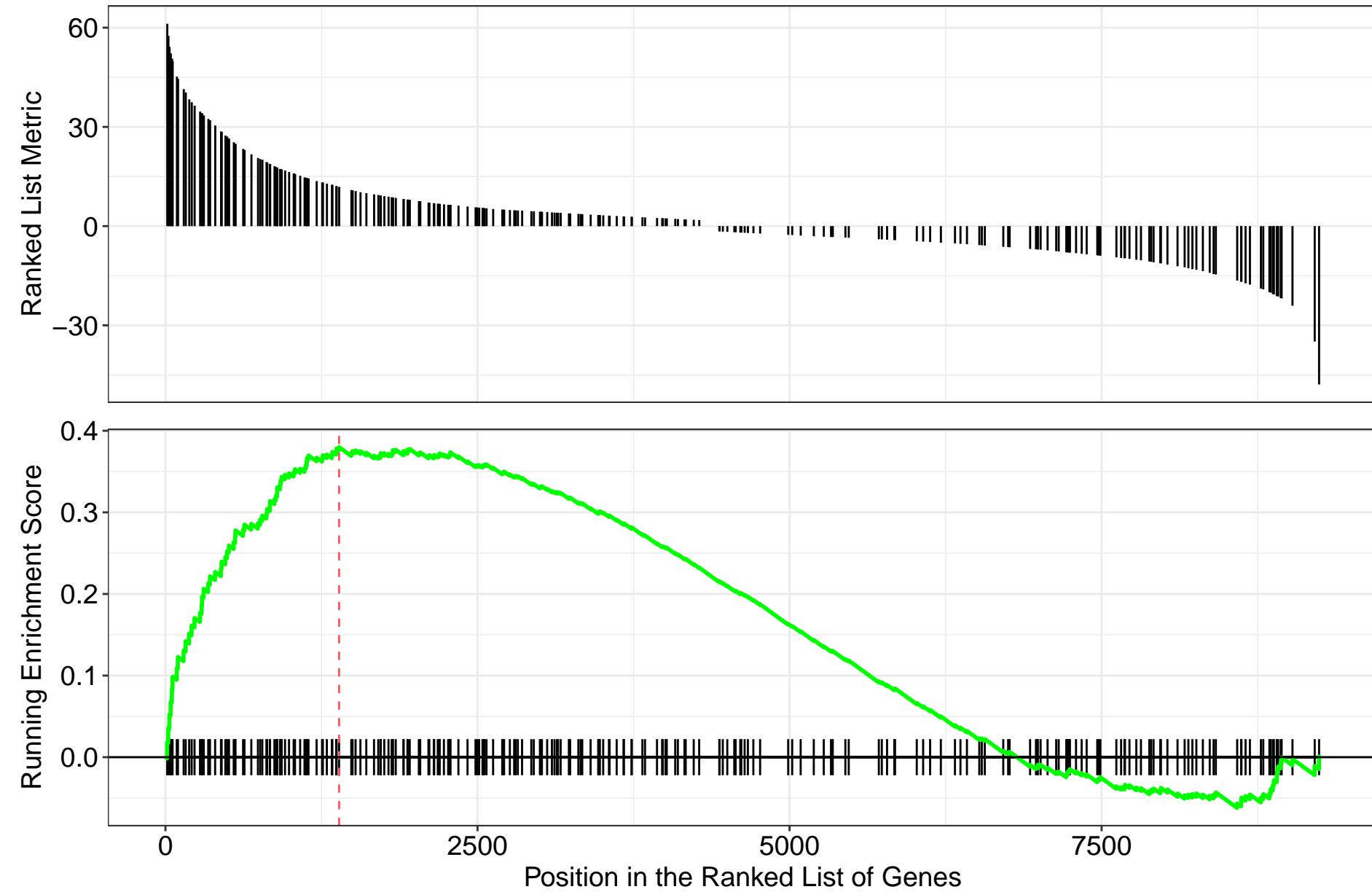
wound healing



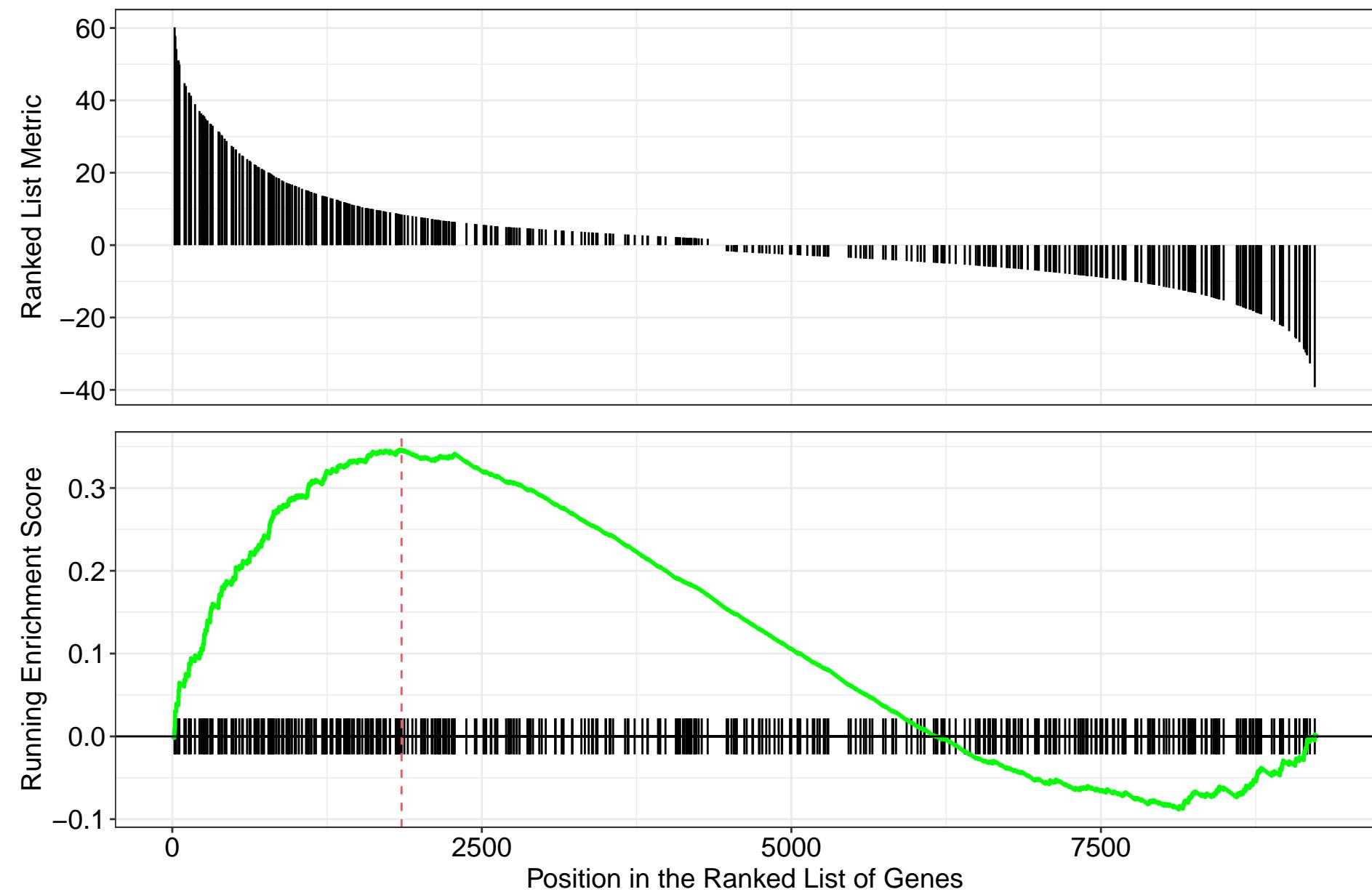
regulation of DNA–binding transcription factor activity



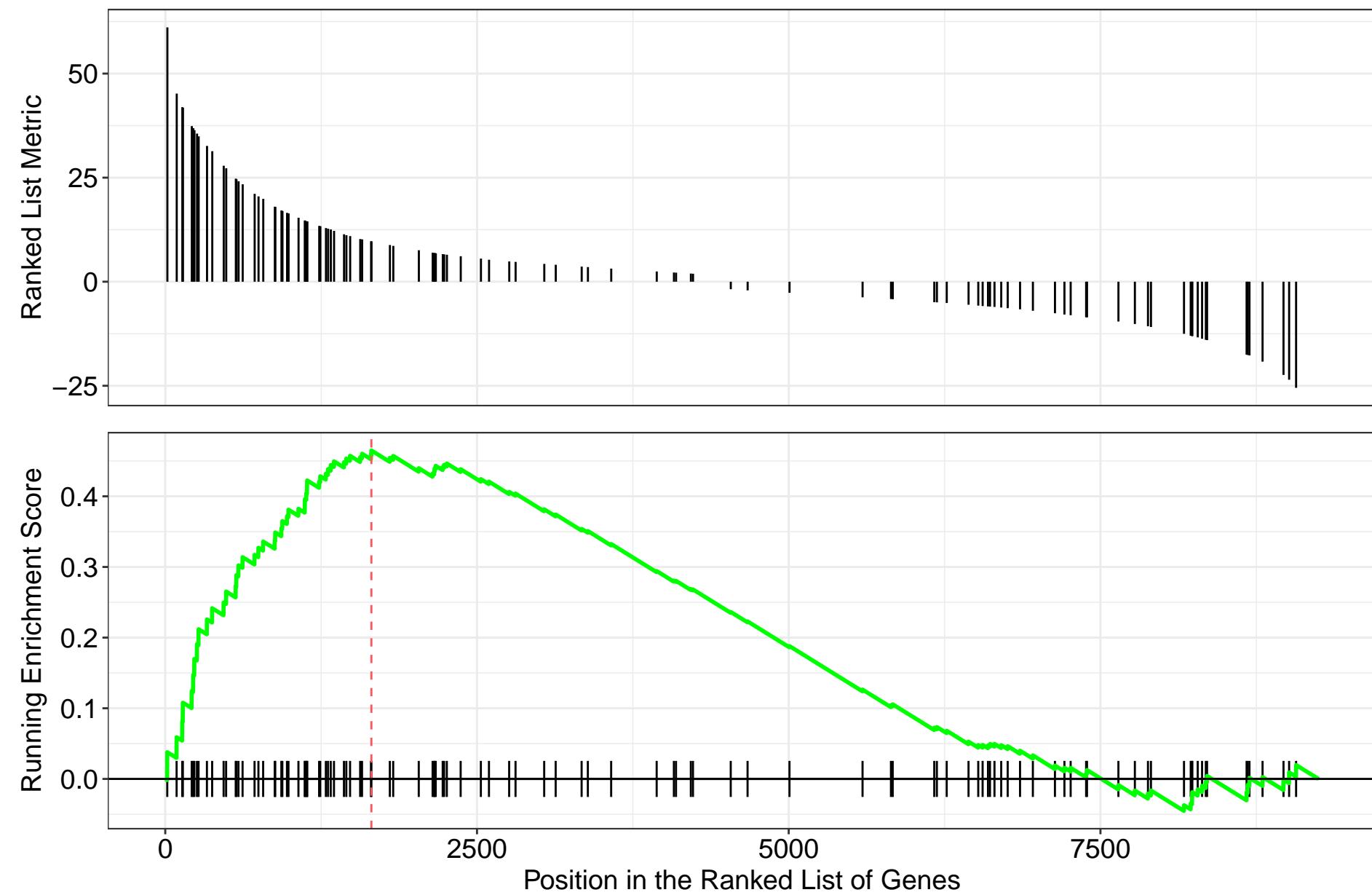
lymphocyte differentiation



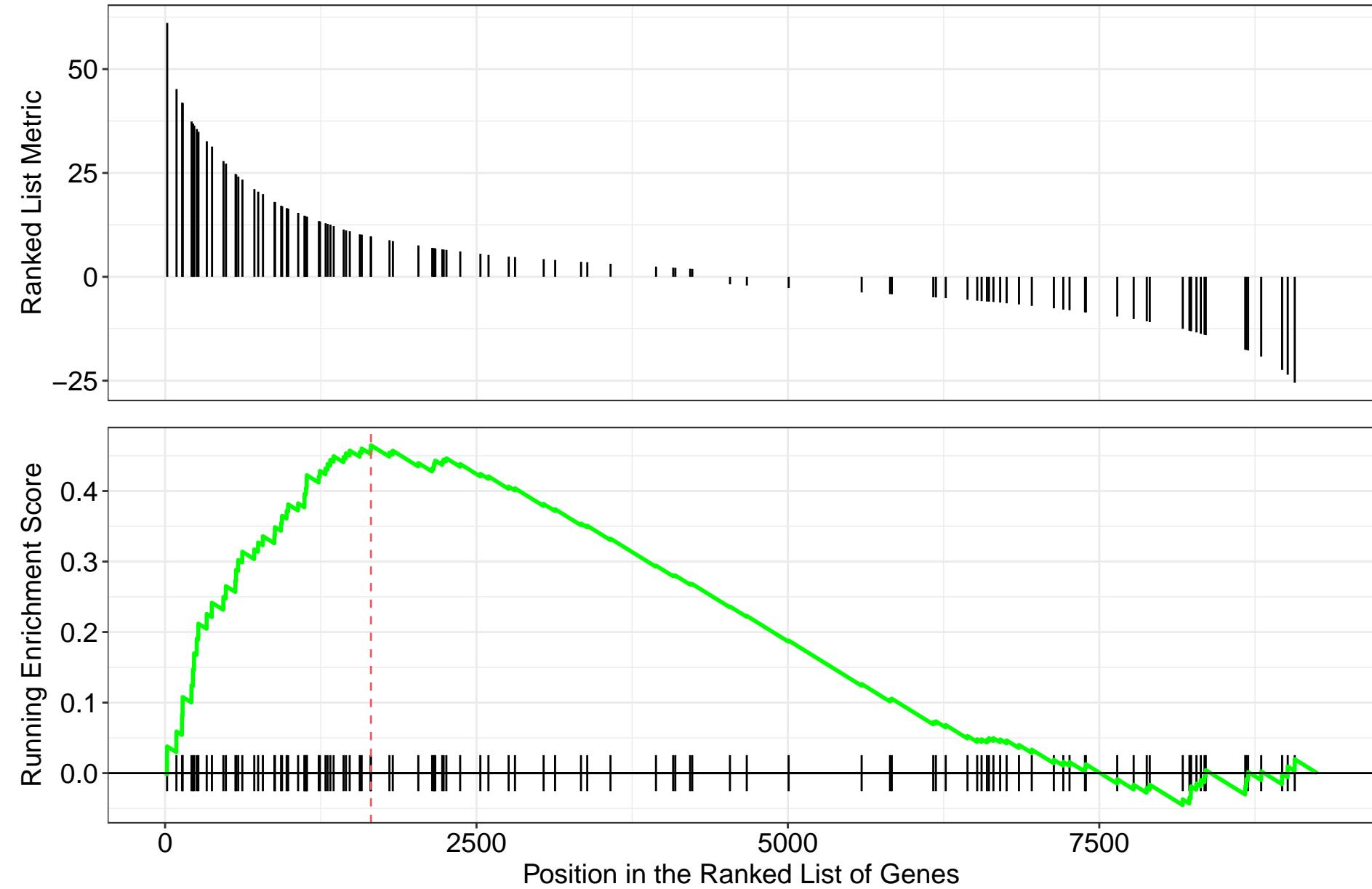
tube morphogenesis



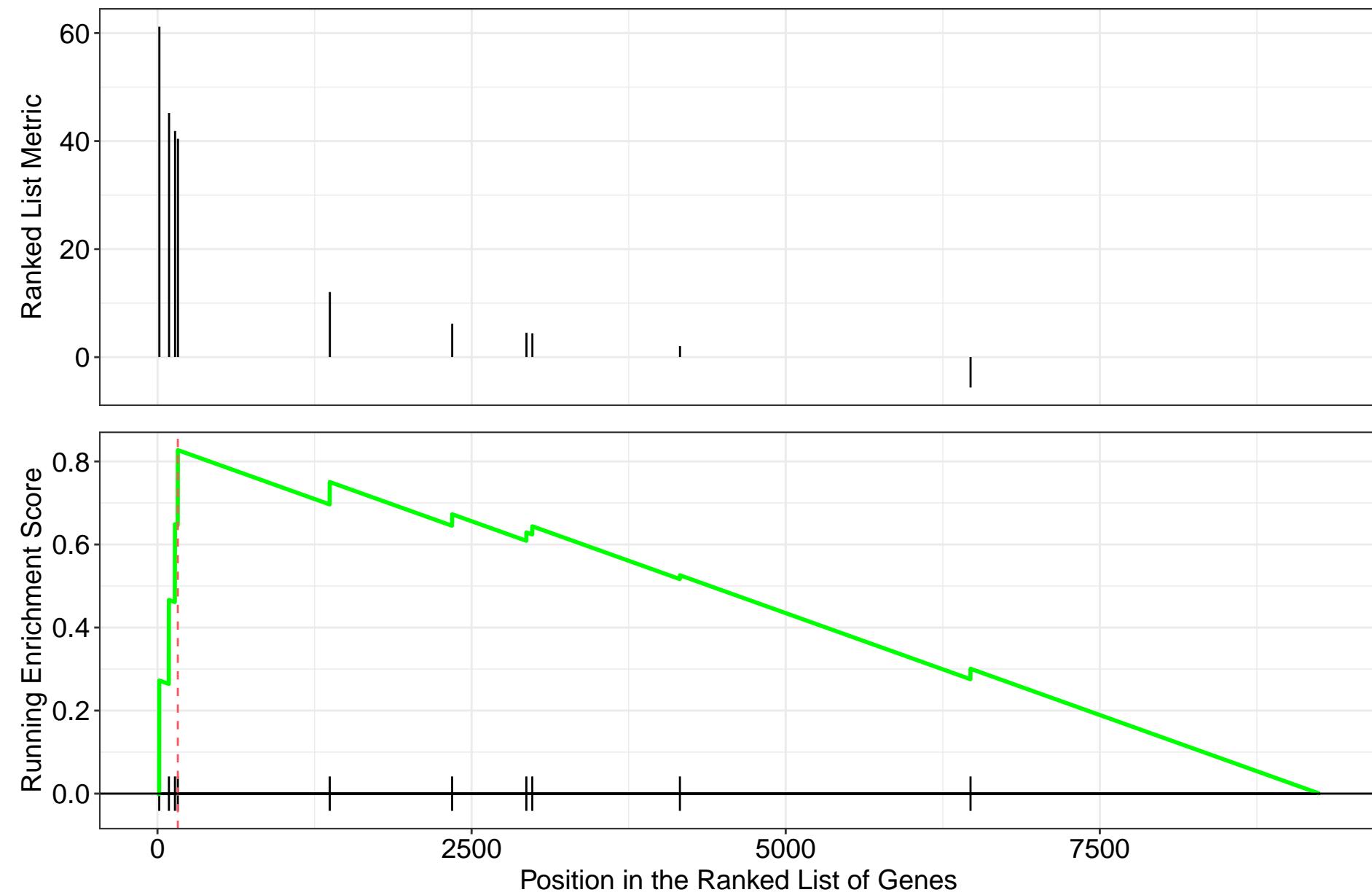
extracellular matrix organization



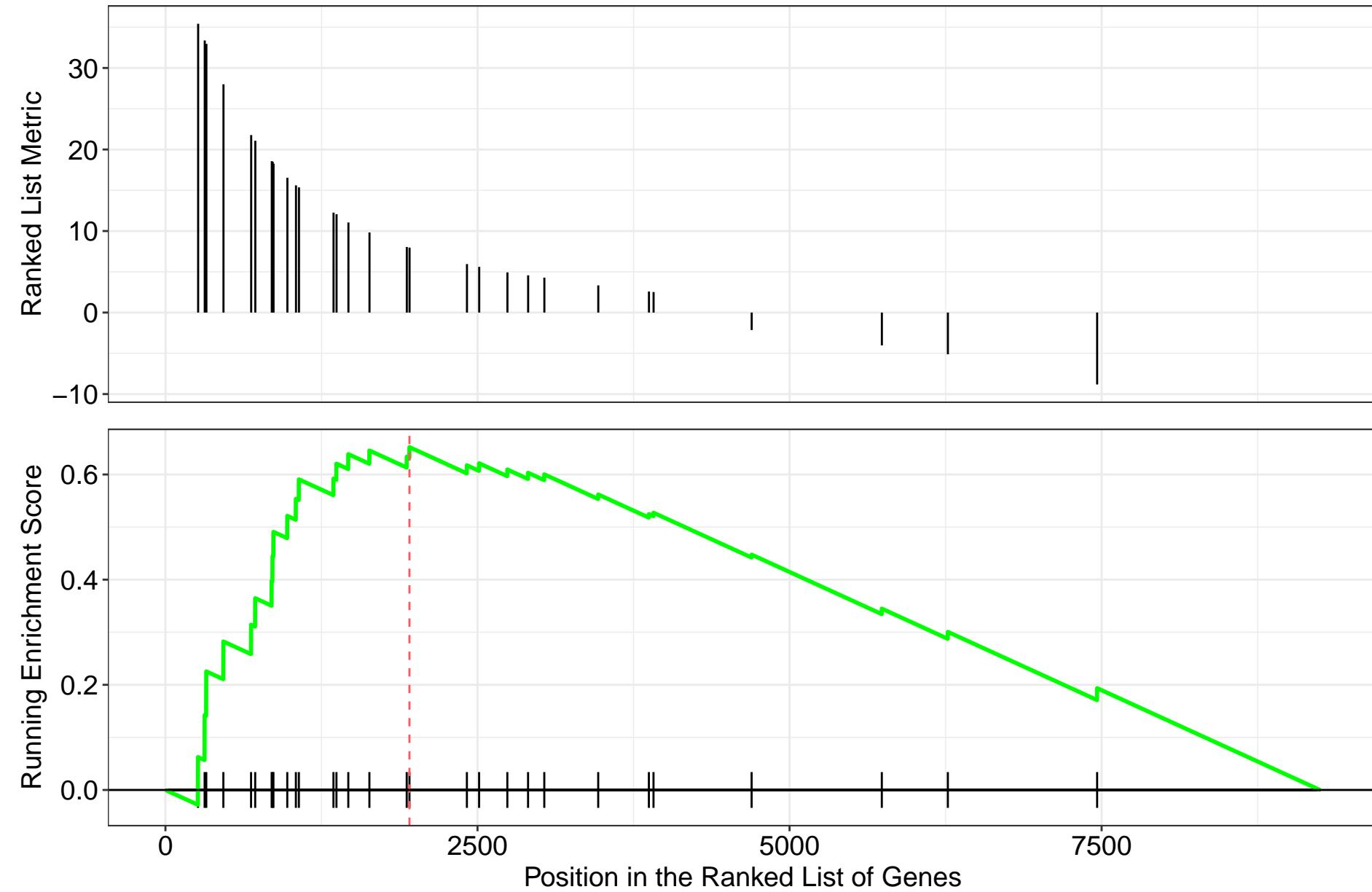
external encapsulating structure organization



T-helper 2 cell cytokine production

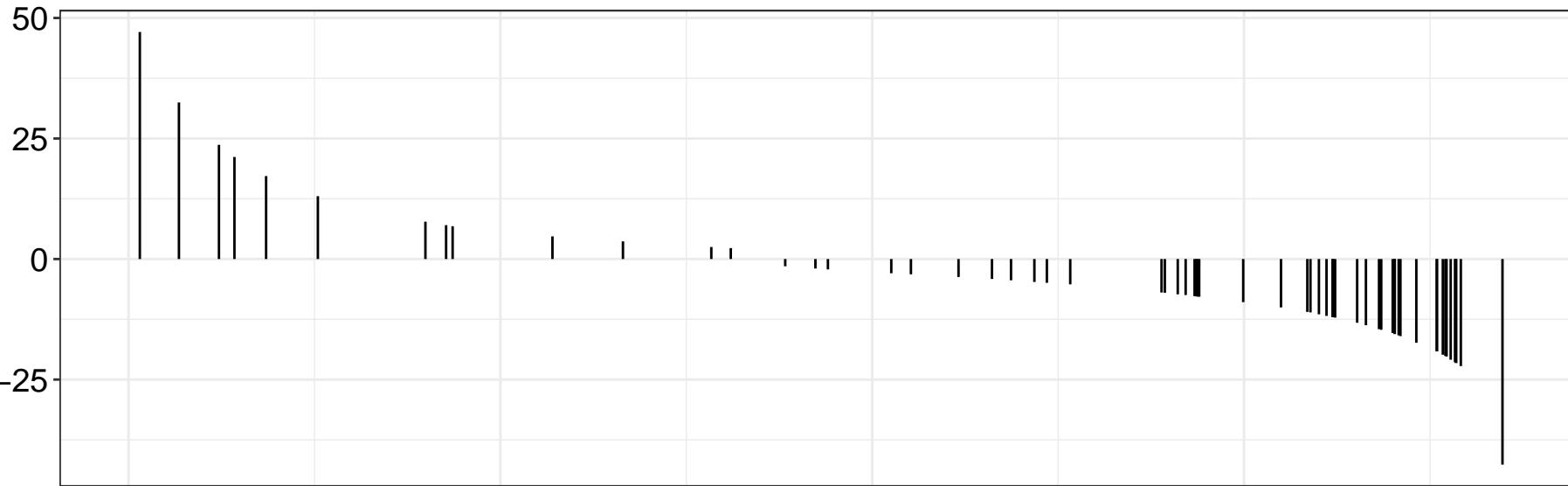


regulation of type I interferon-mediated signaling pathway

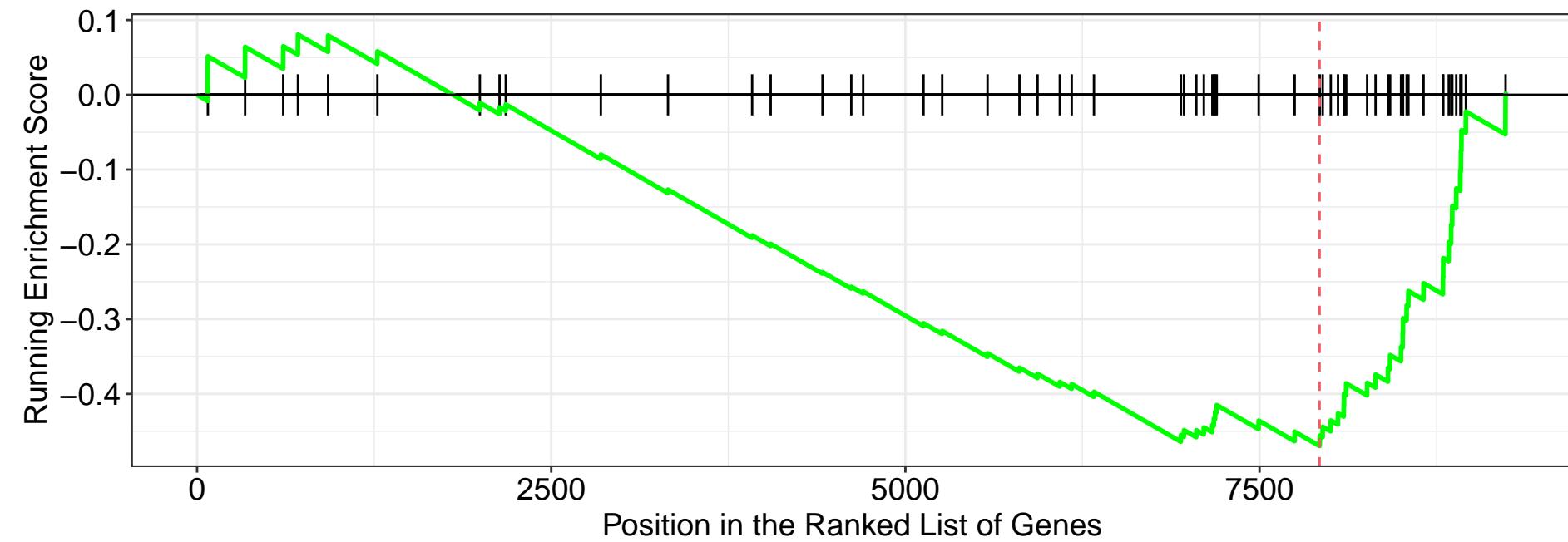


meiosis I

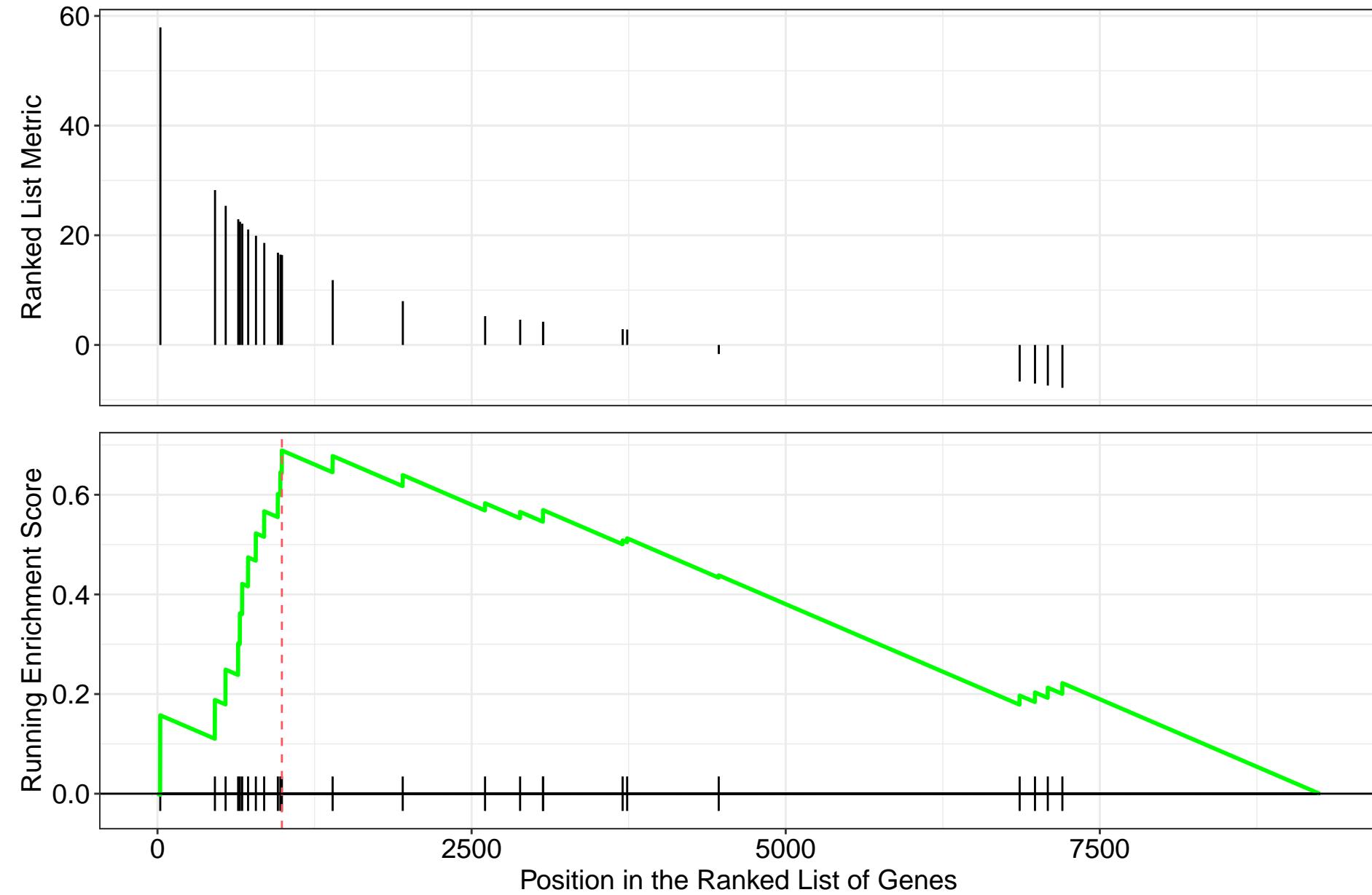
Ranked List Metric



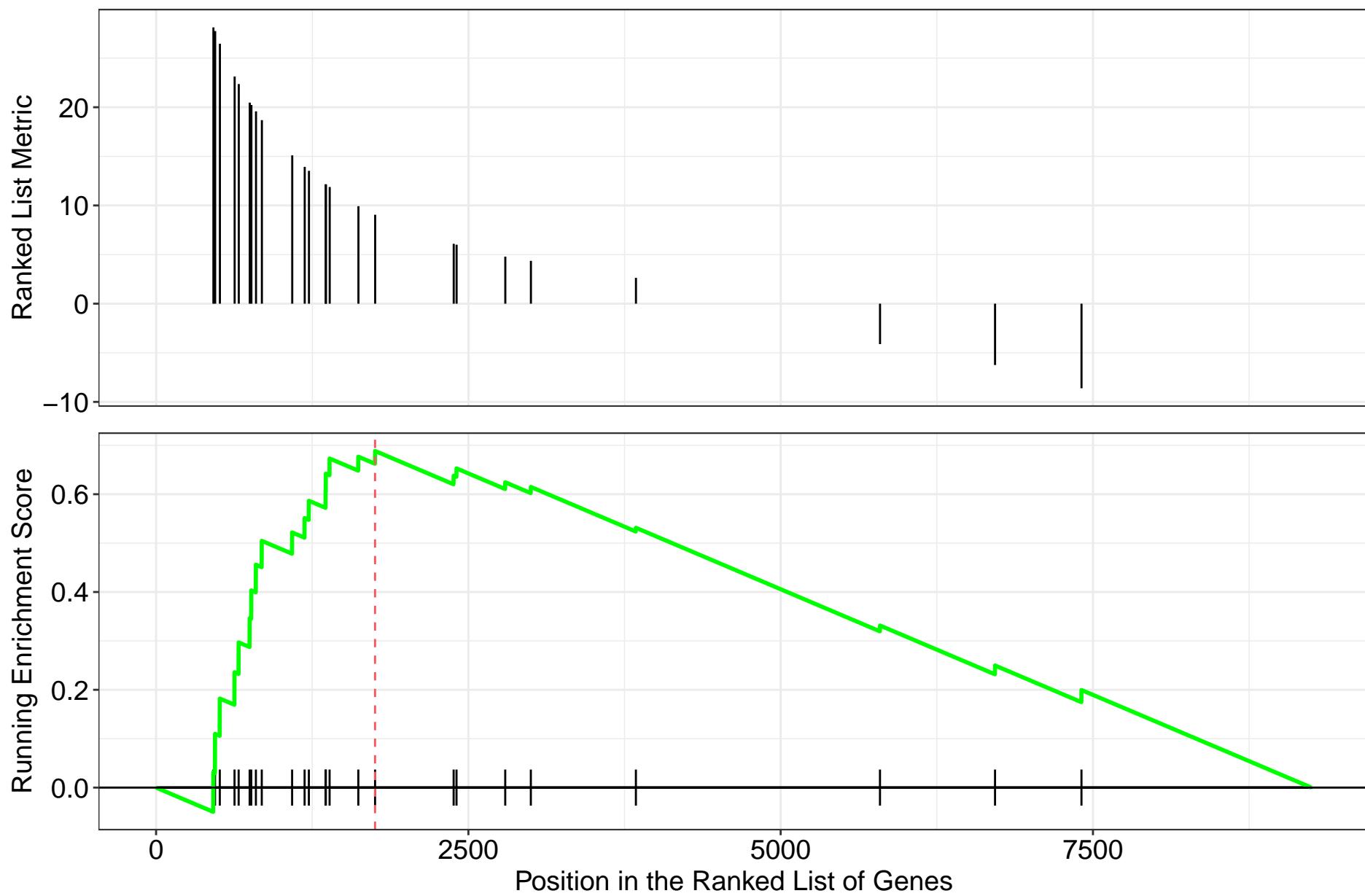
Running Enrichment Score



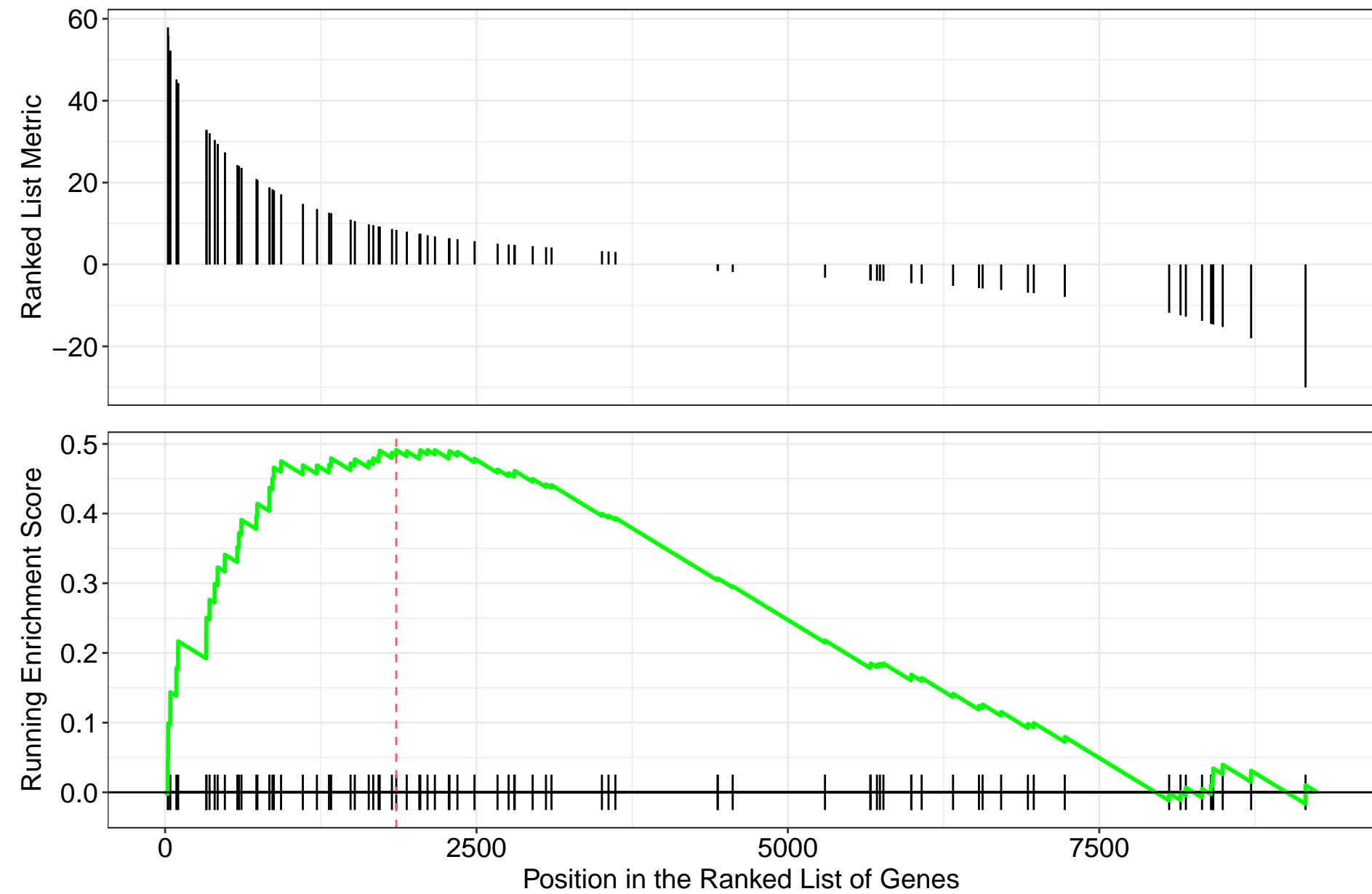
positive regulation of lipase activity



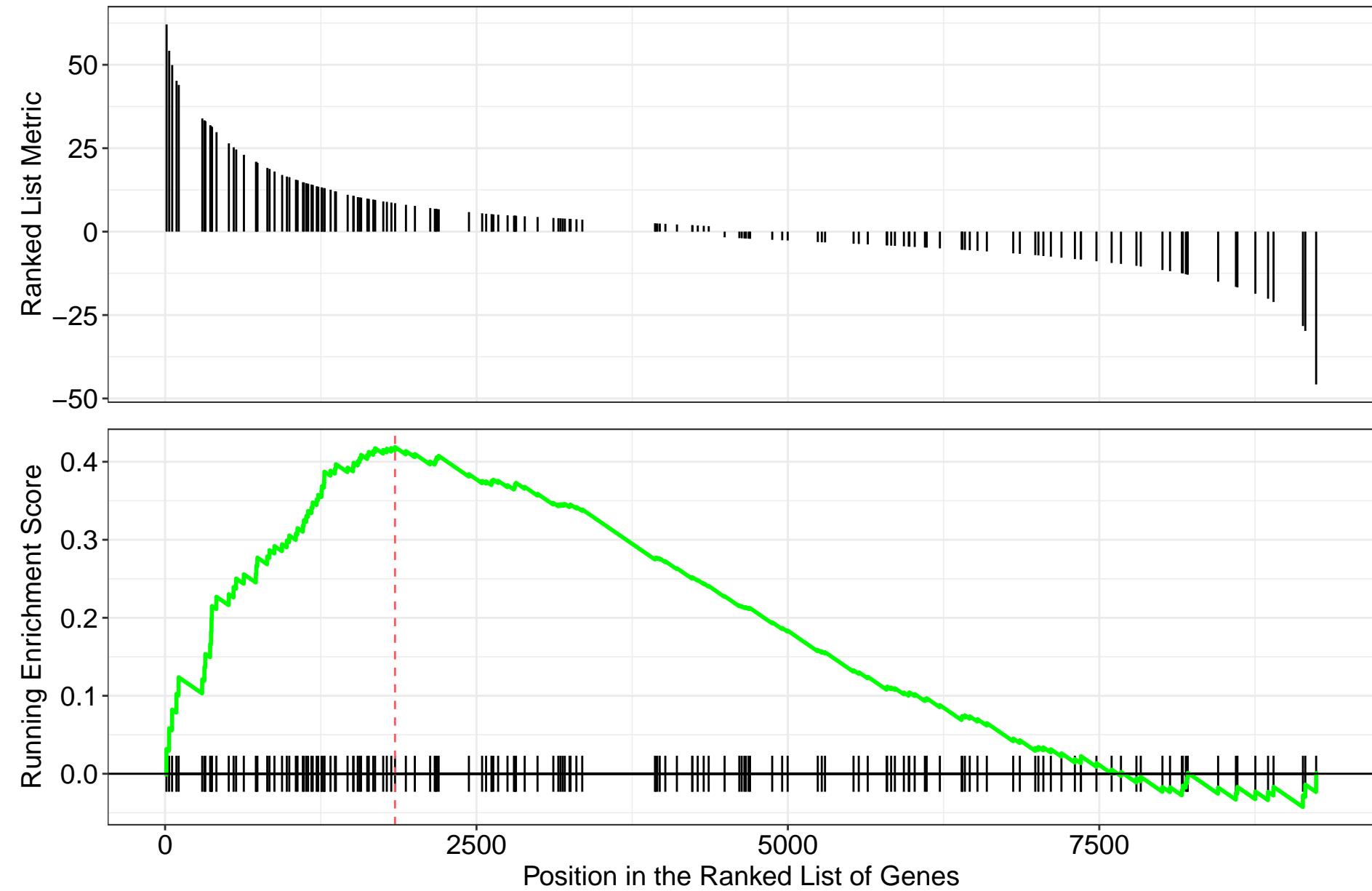
antigen processing and presentation of endogenous antigen



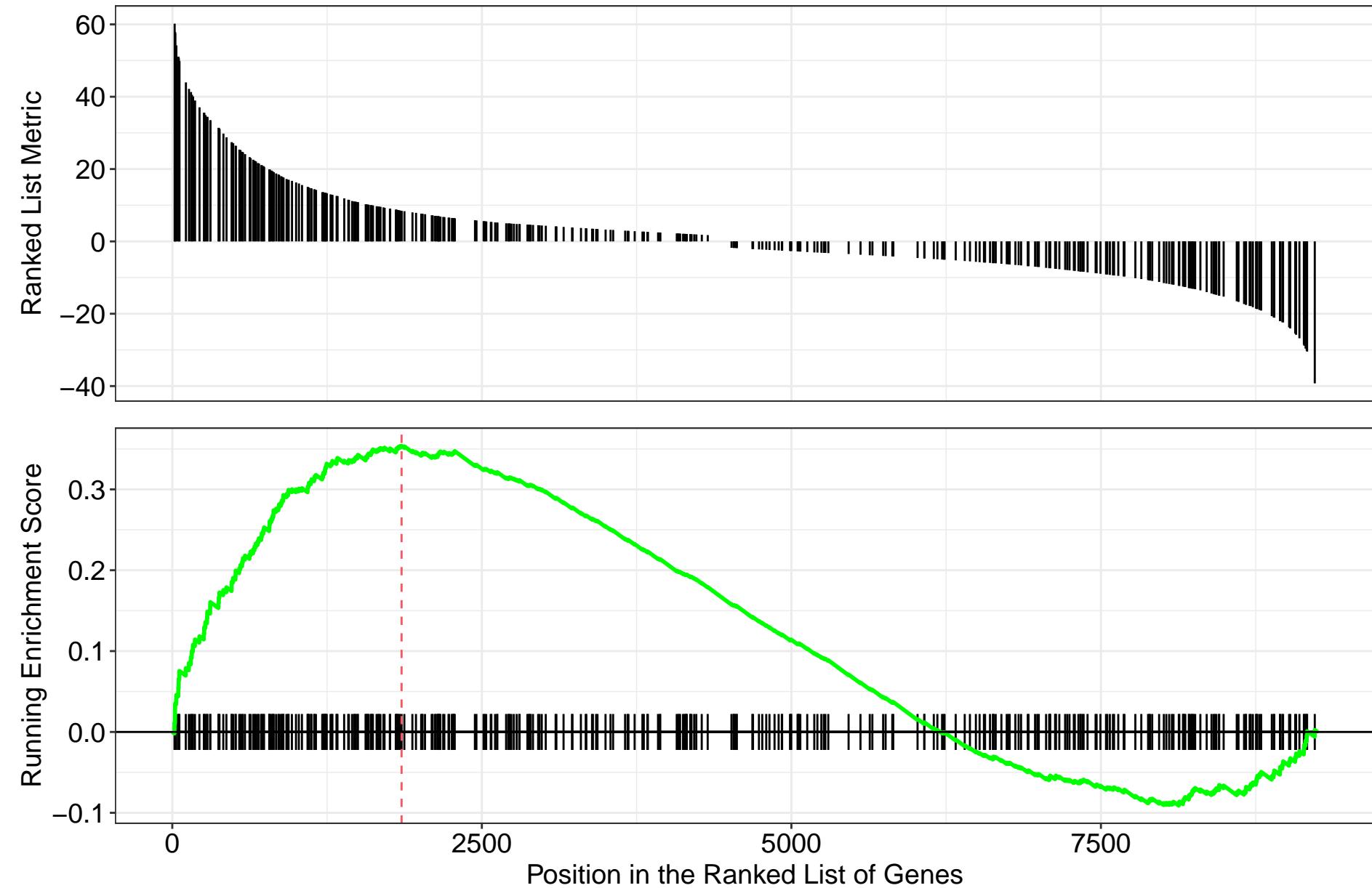
leukocyte apoptotic process



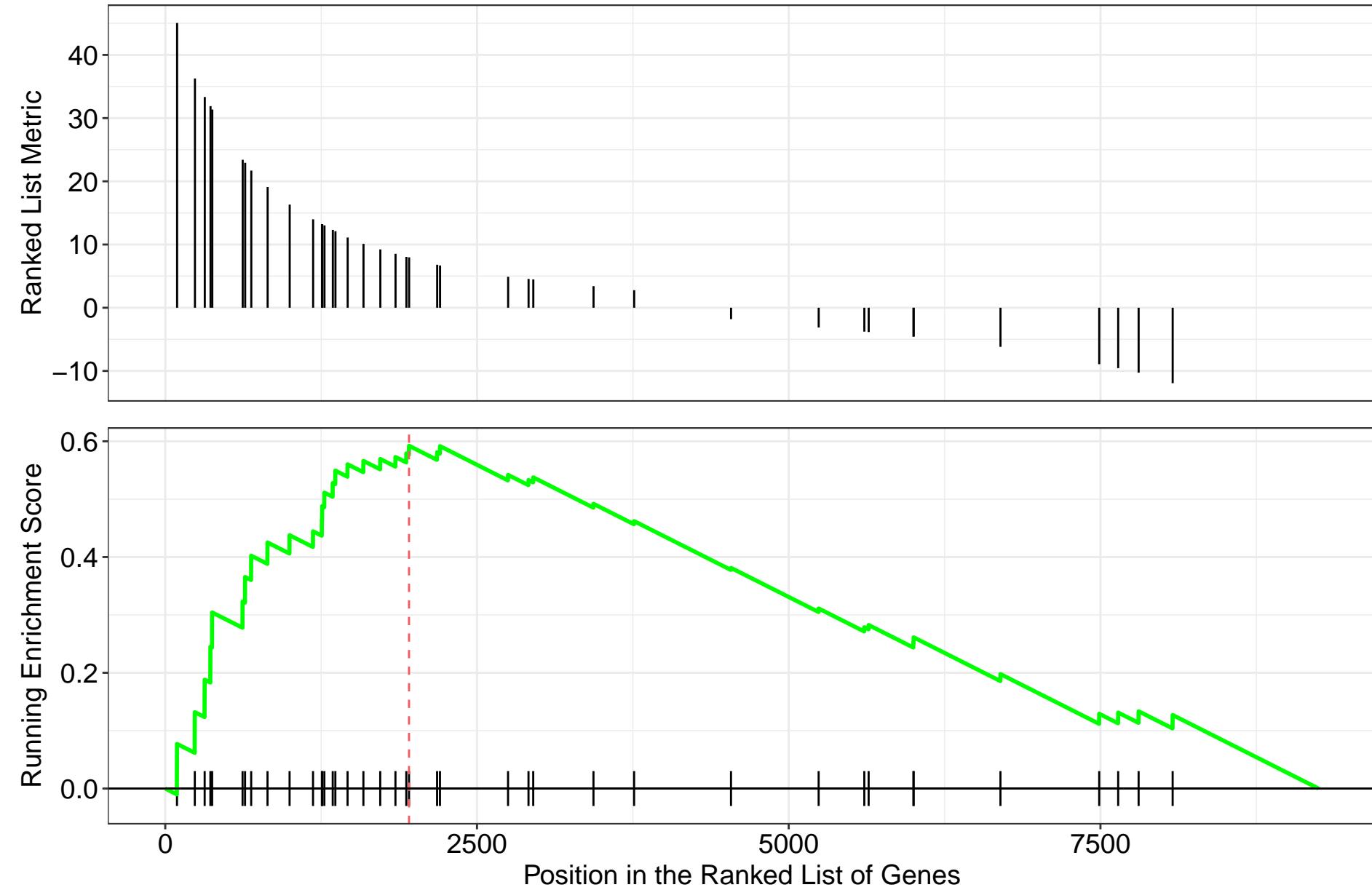
positive regulation of DNA–binding transcription factor activity



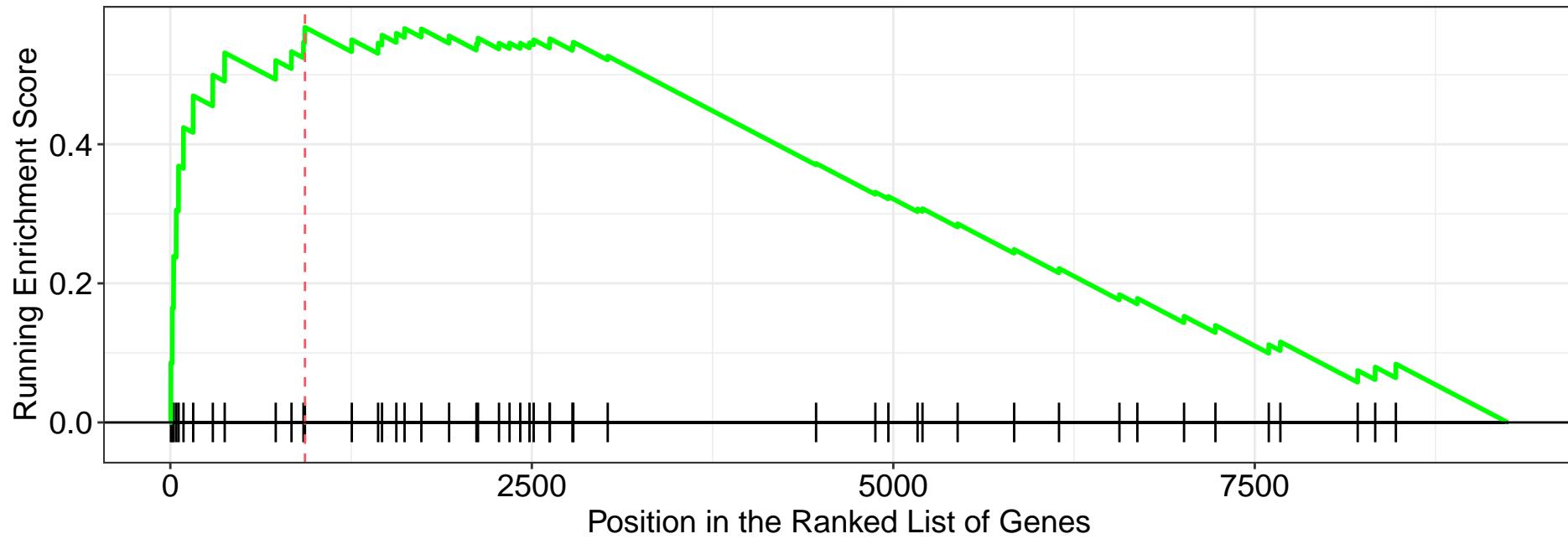
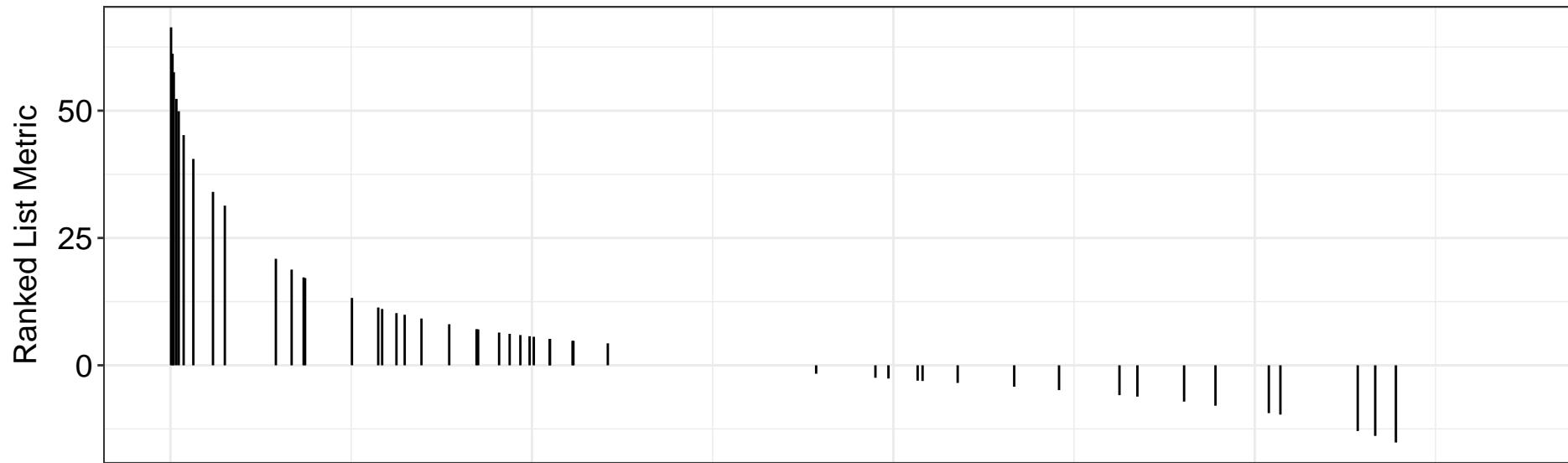
blood vessel development



modulation by symbiont of entry into host

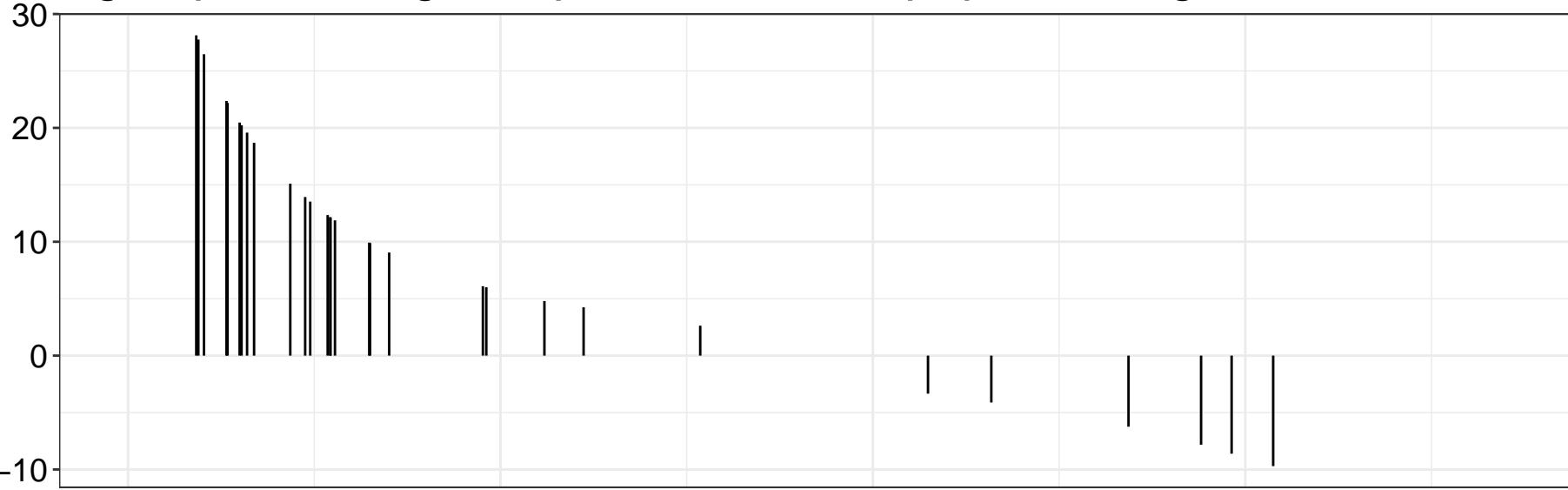


regulation of receptor signaling pathway via JAK–STAT

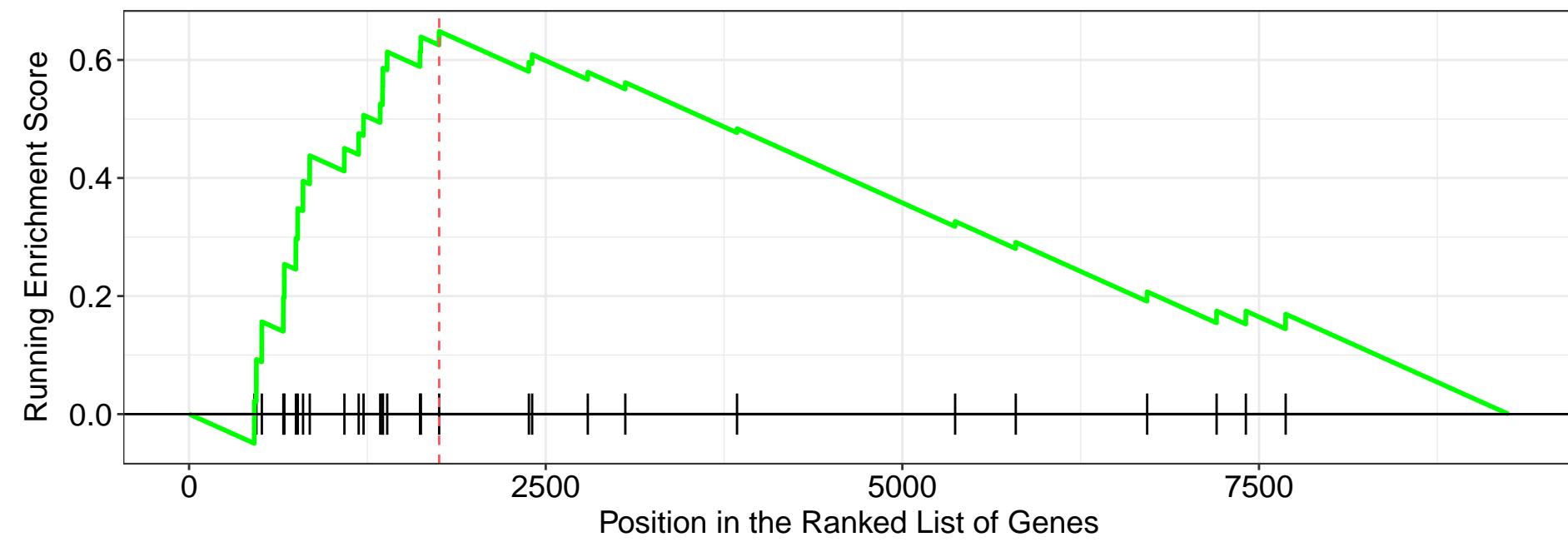


antigen processing and presentation of peptide antigen via MHC class

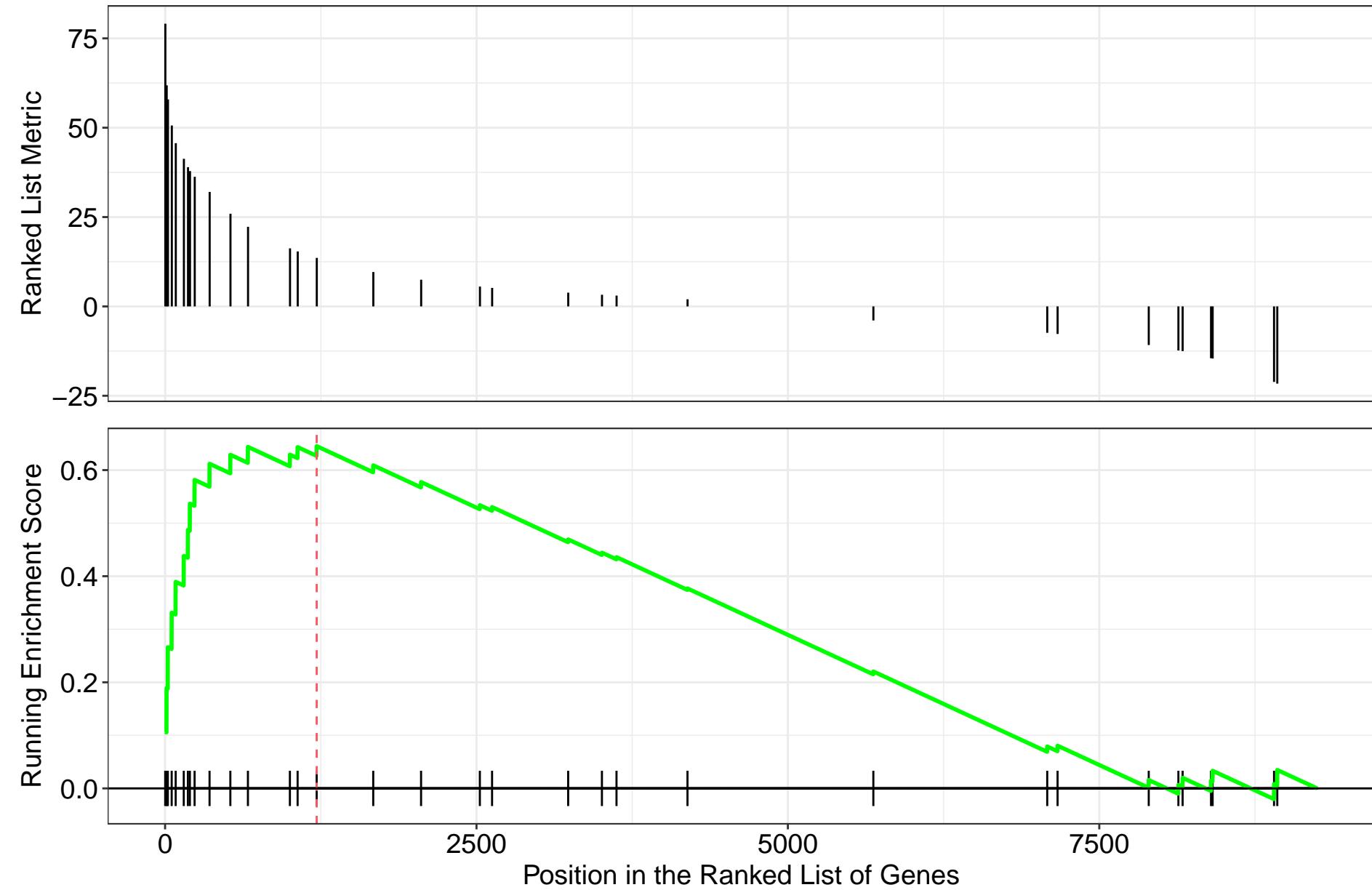
Ranked List Metric



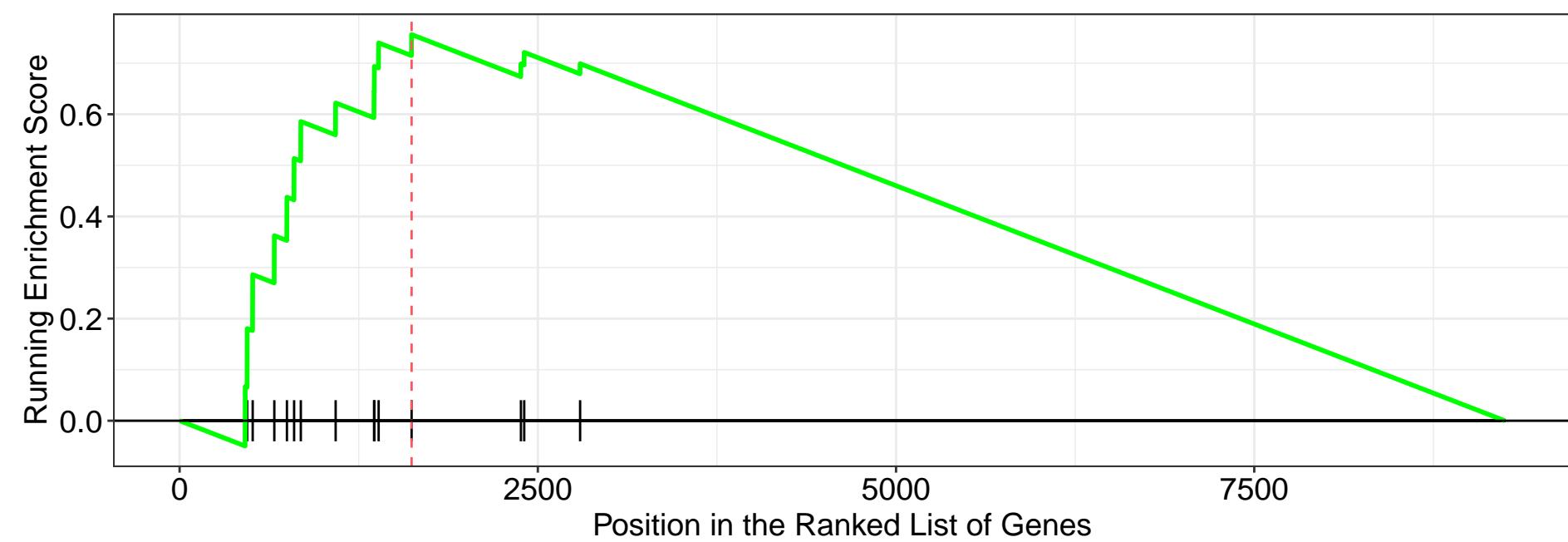
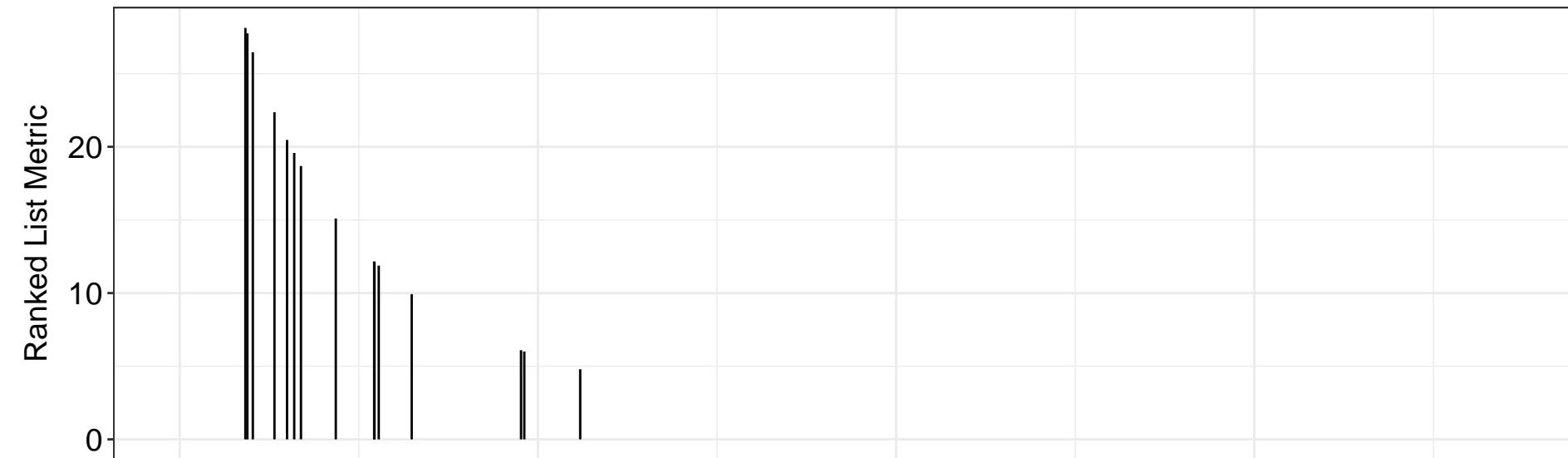
Running Enrichment Score



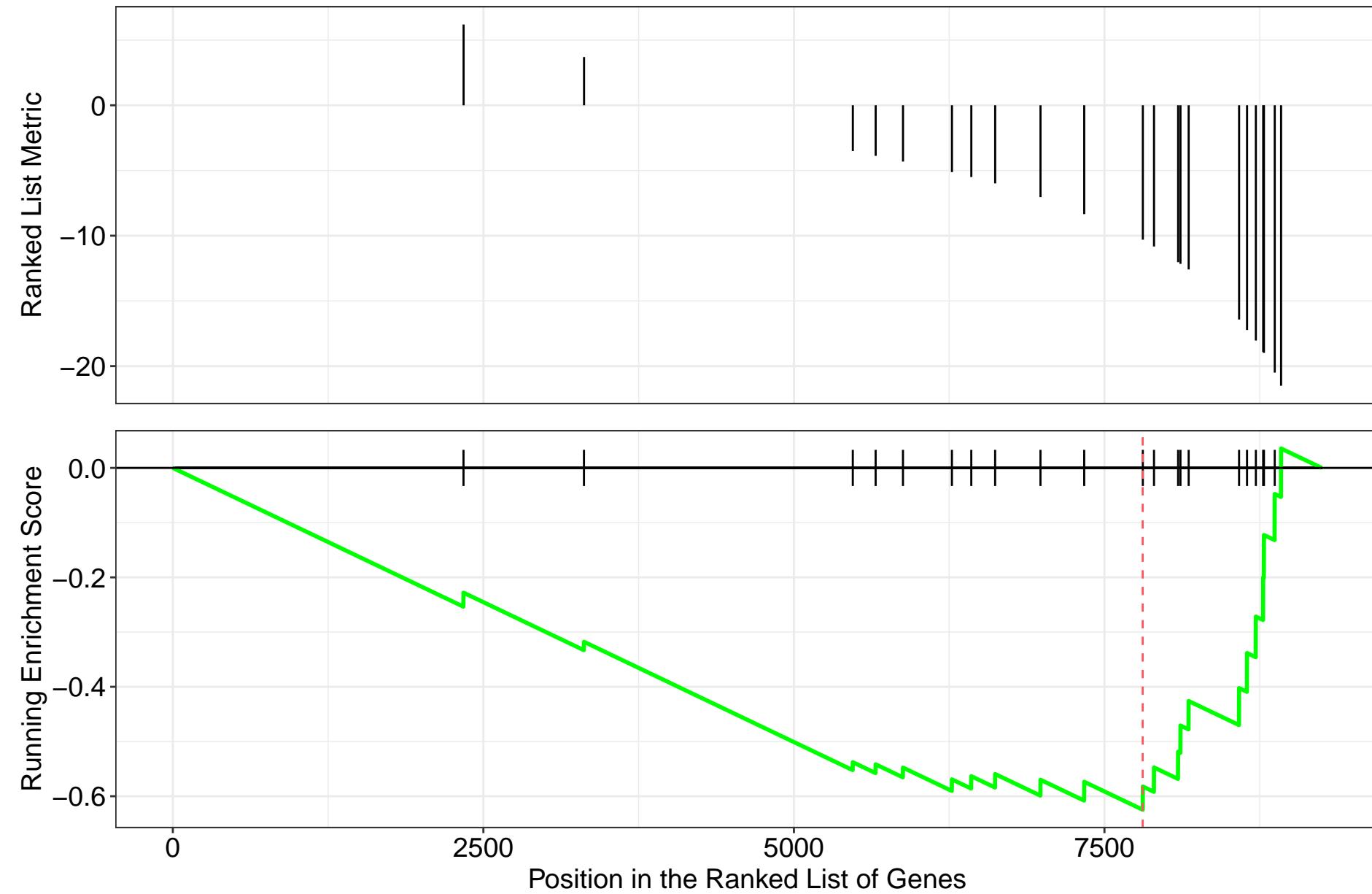
lymphocyte chemotaxis



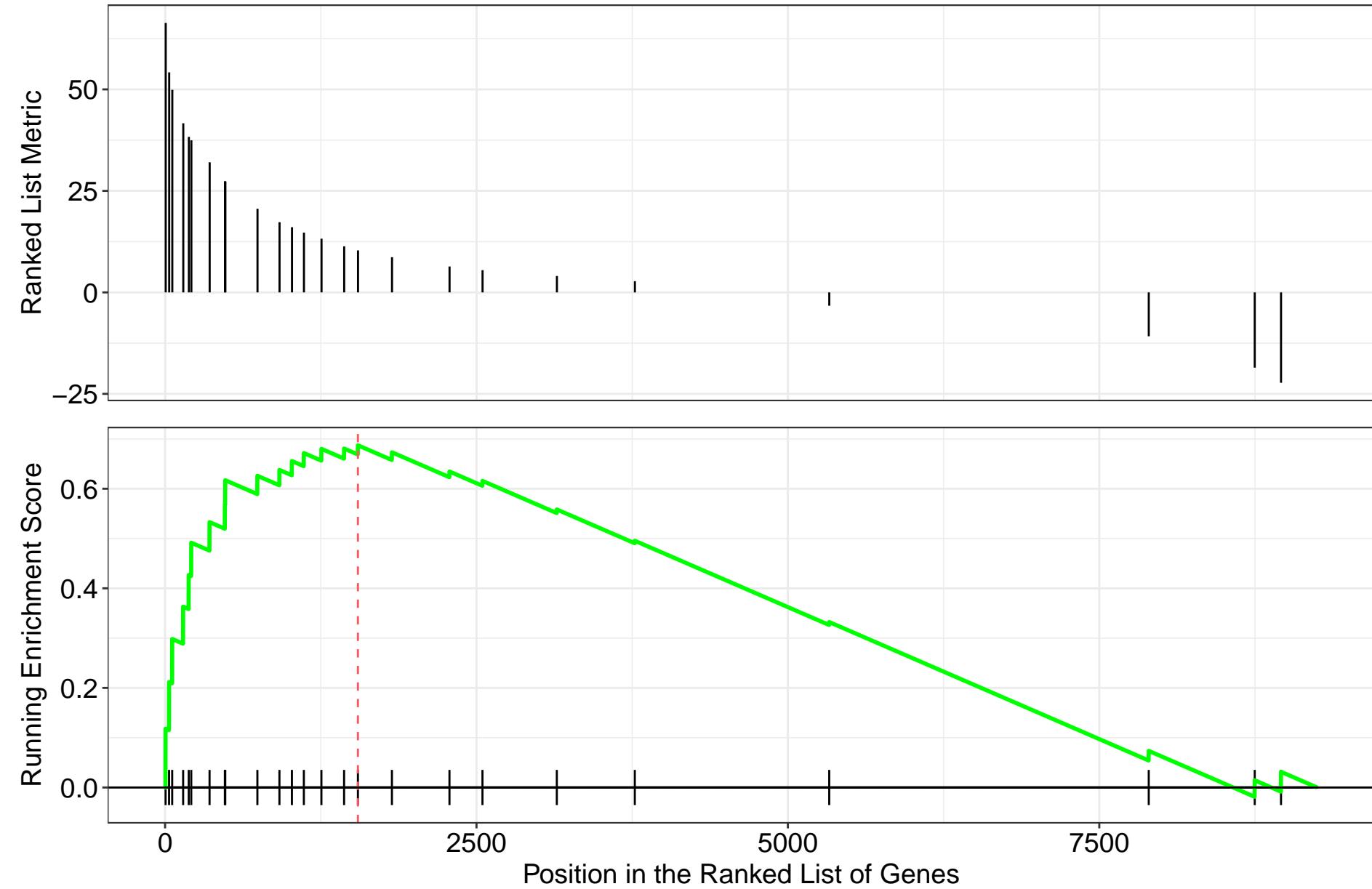
Endogenous peptide antigen presentation via MHC class I via ER pathway



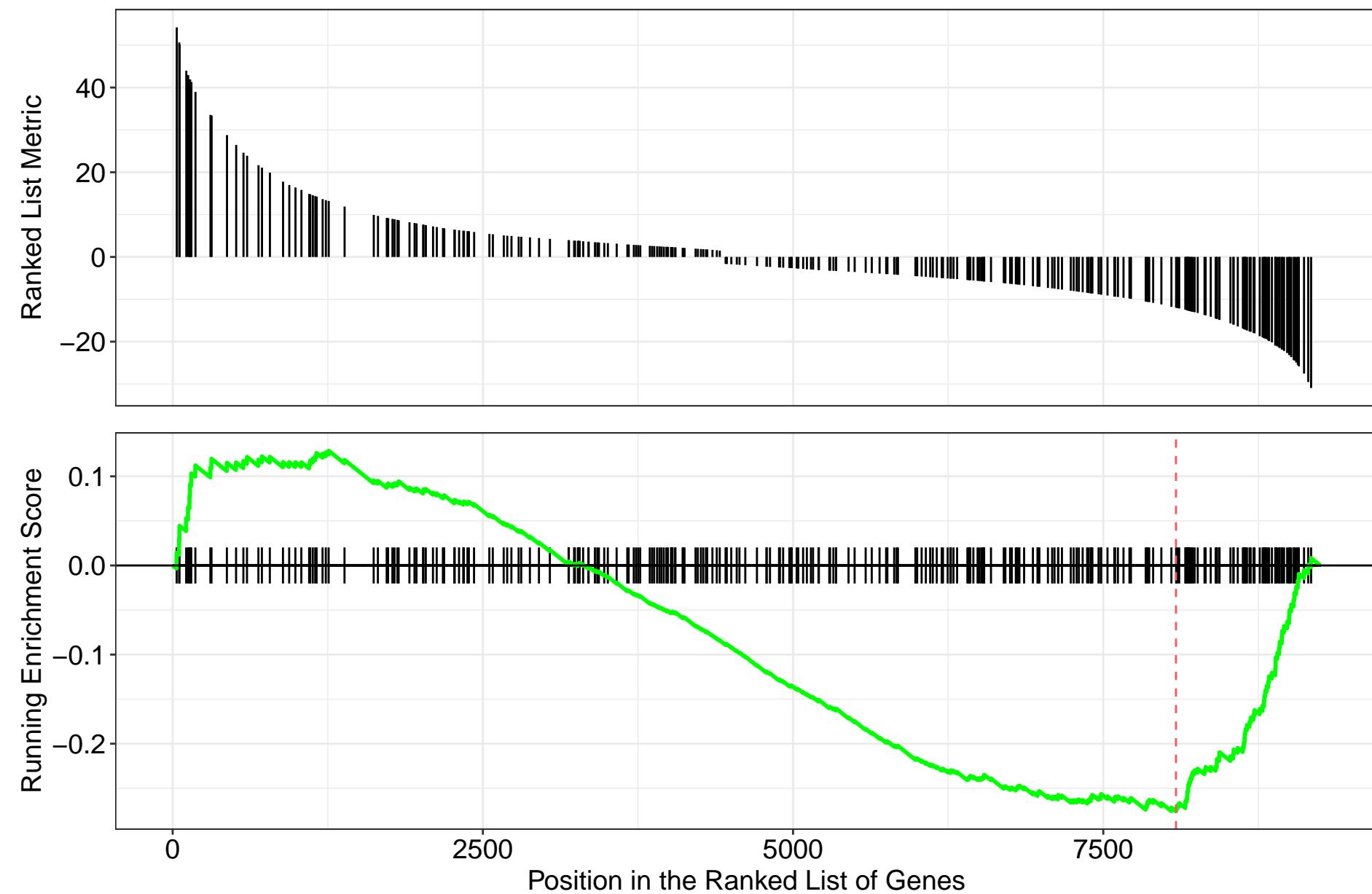
positive regulation of chromosome segregation



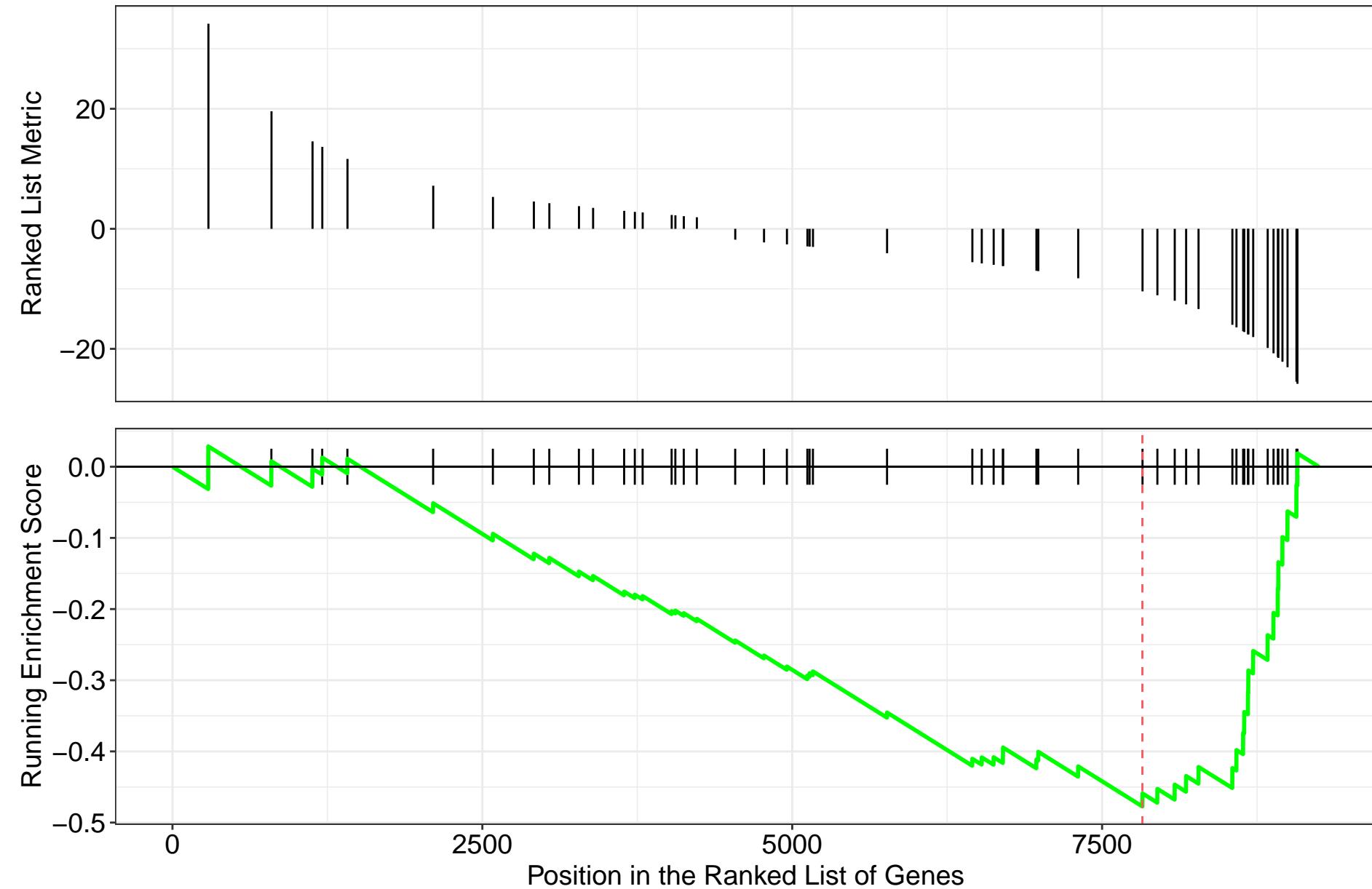
regulation of T-helper 1 type immune response



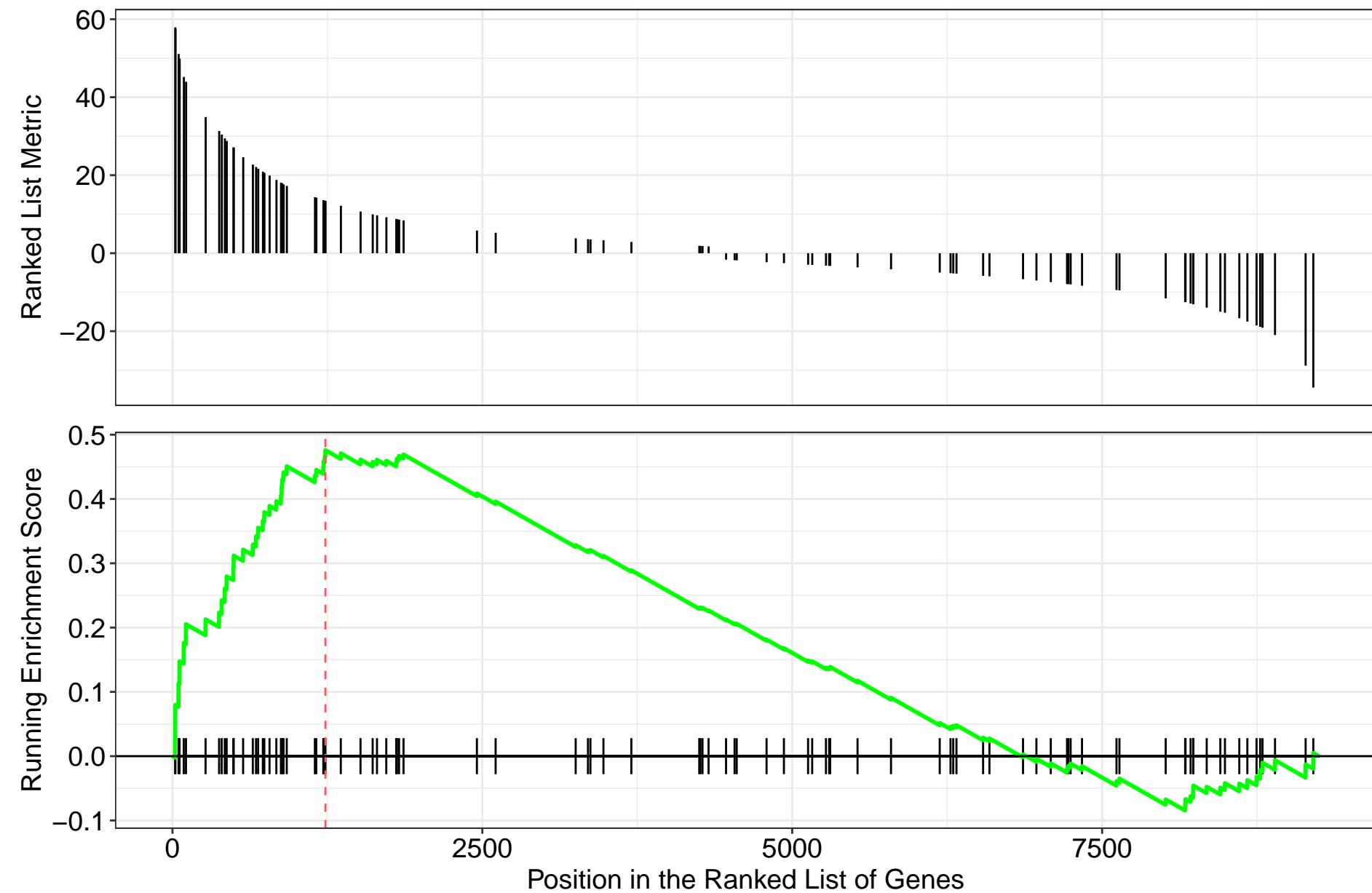
regulation of mitotic cell cycle



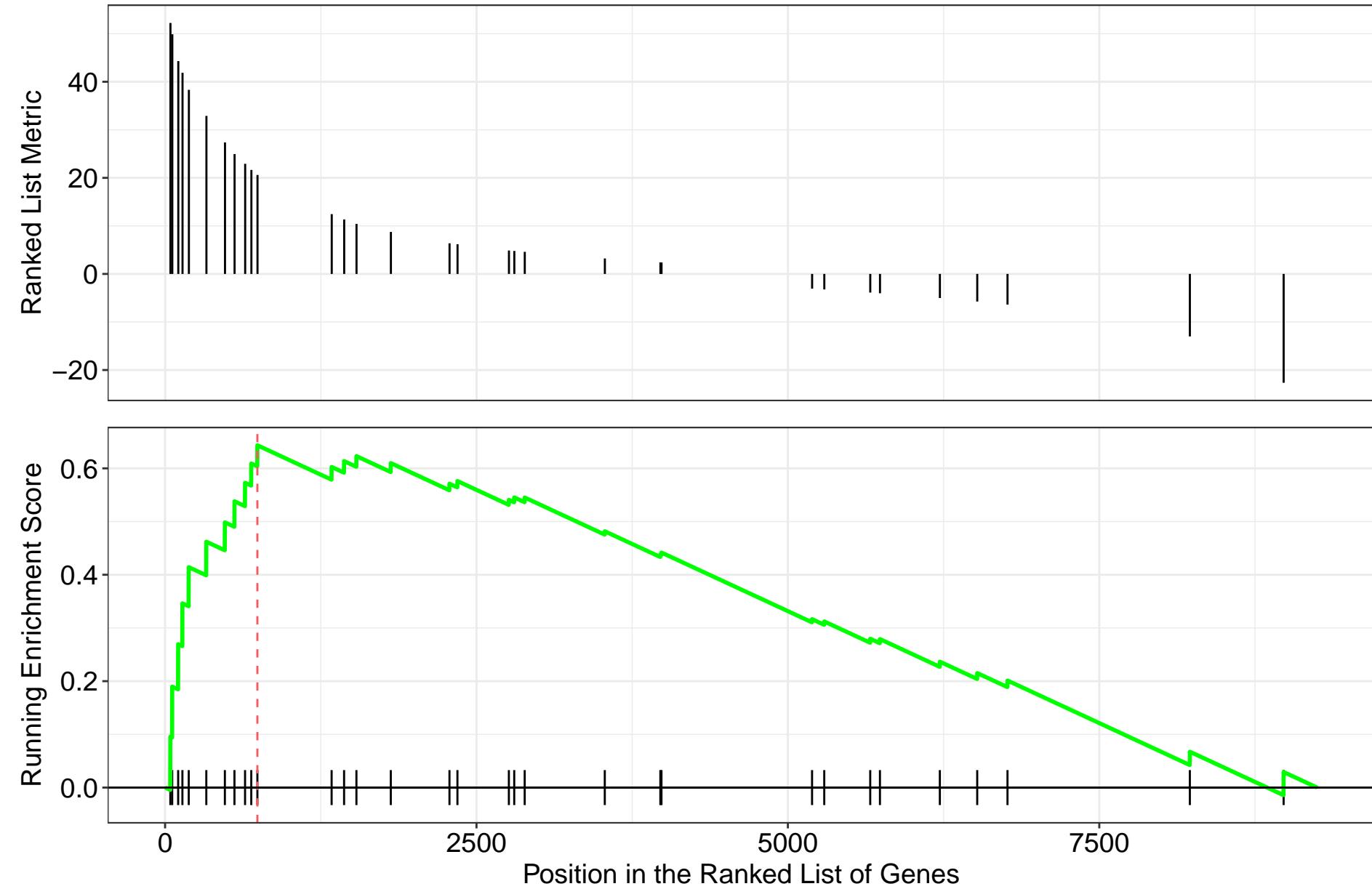
regulation of cytokinesis



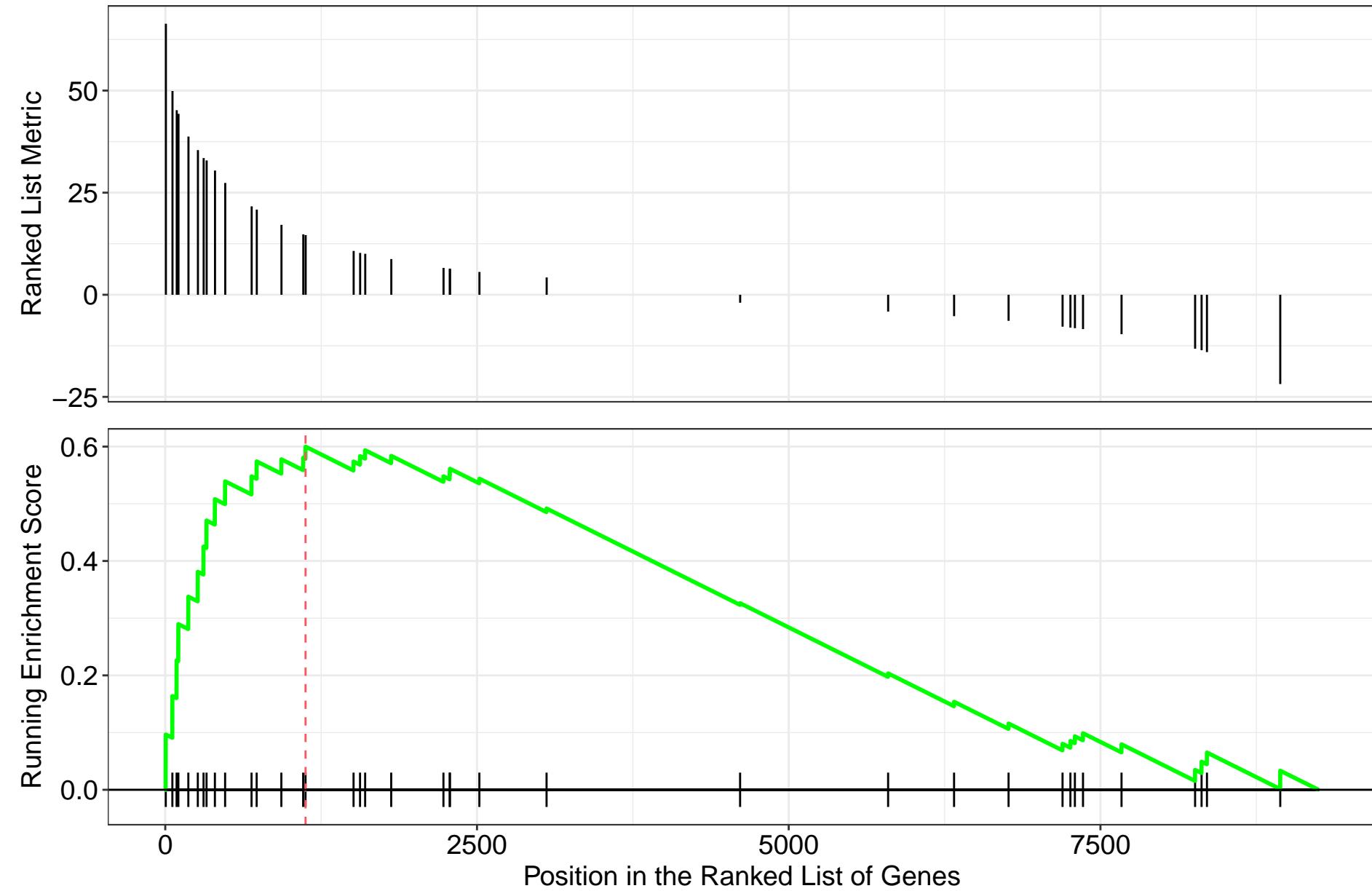
regulation of smooth muscle cell proliferation



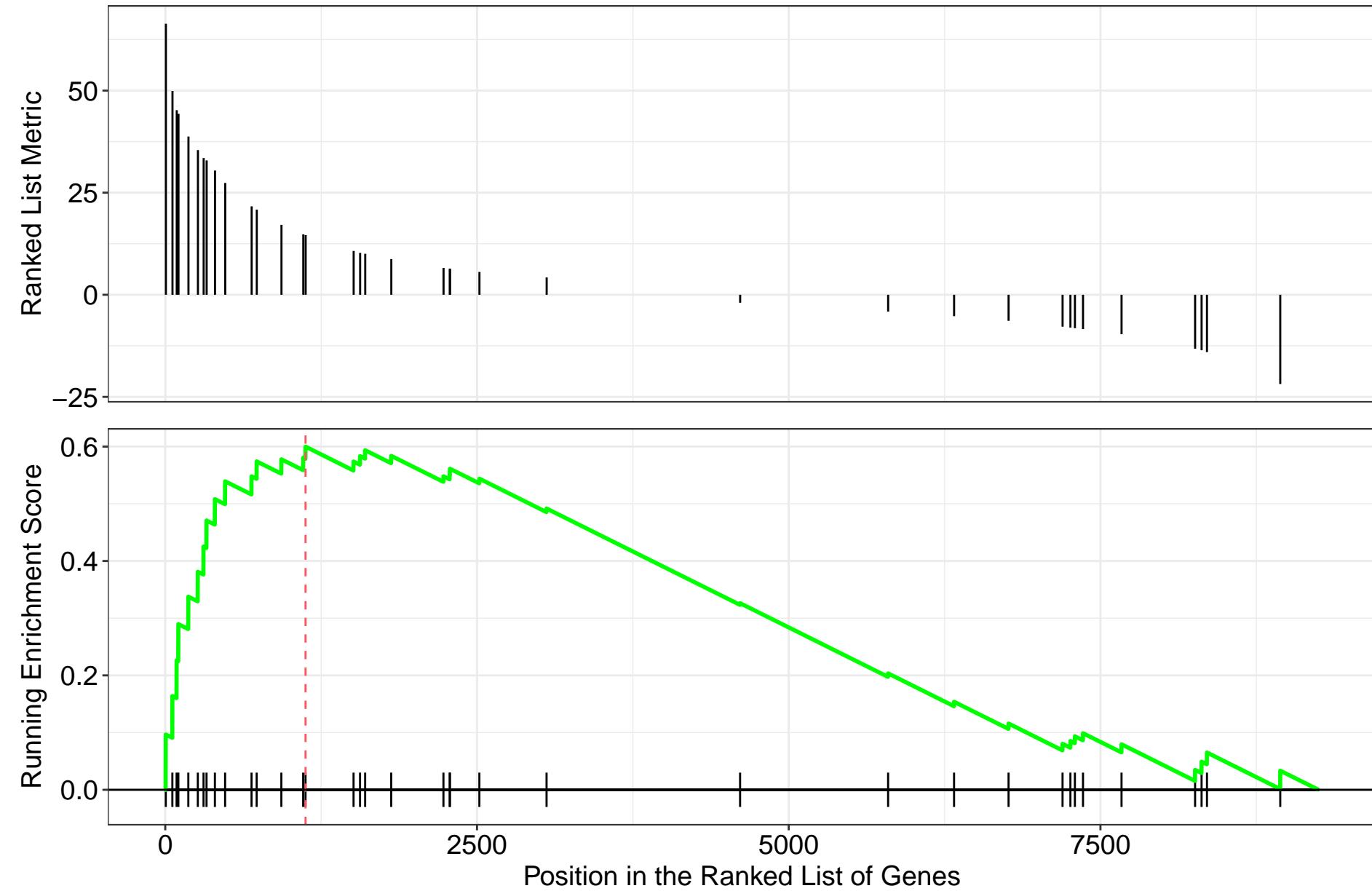
activated T cell proliferation



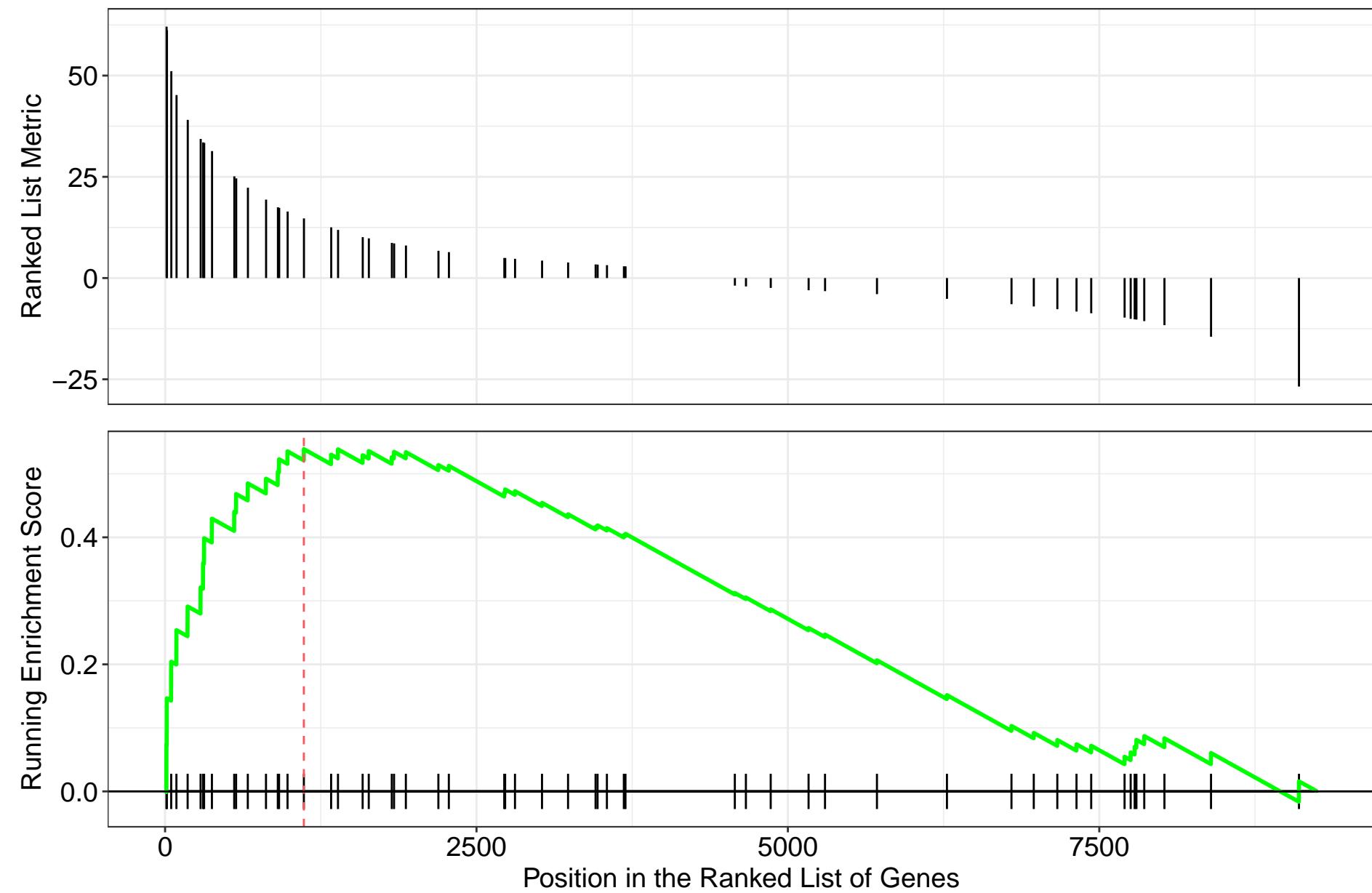
interleukin–10 production



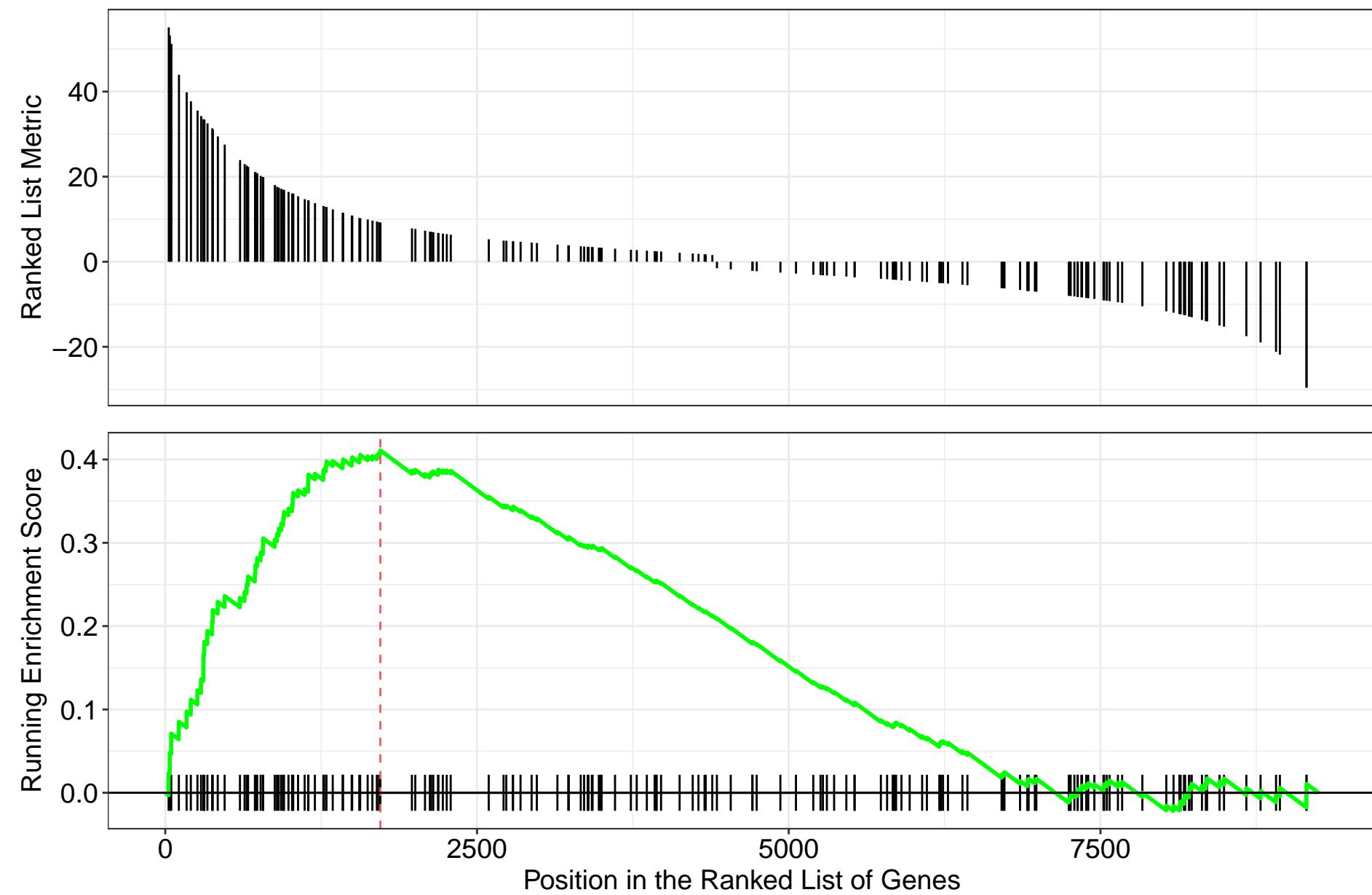
regulation of interleukin-10 production



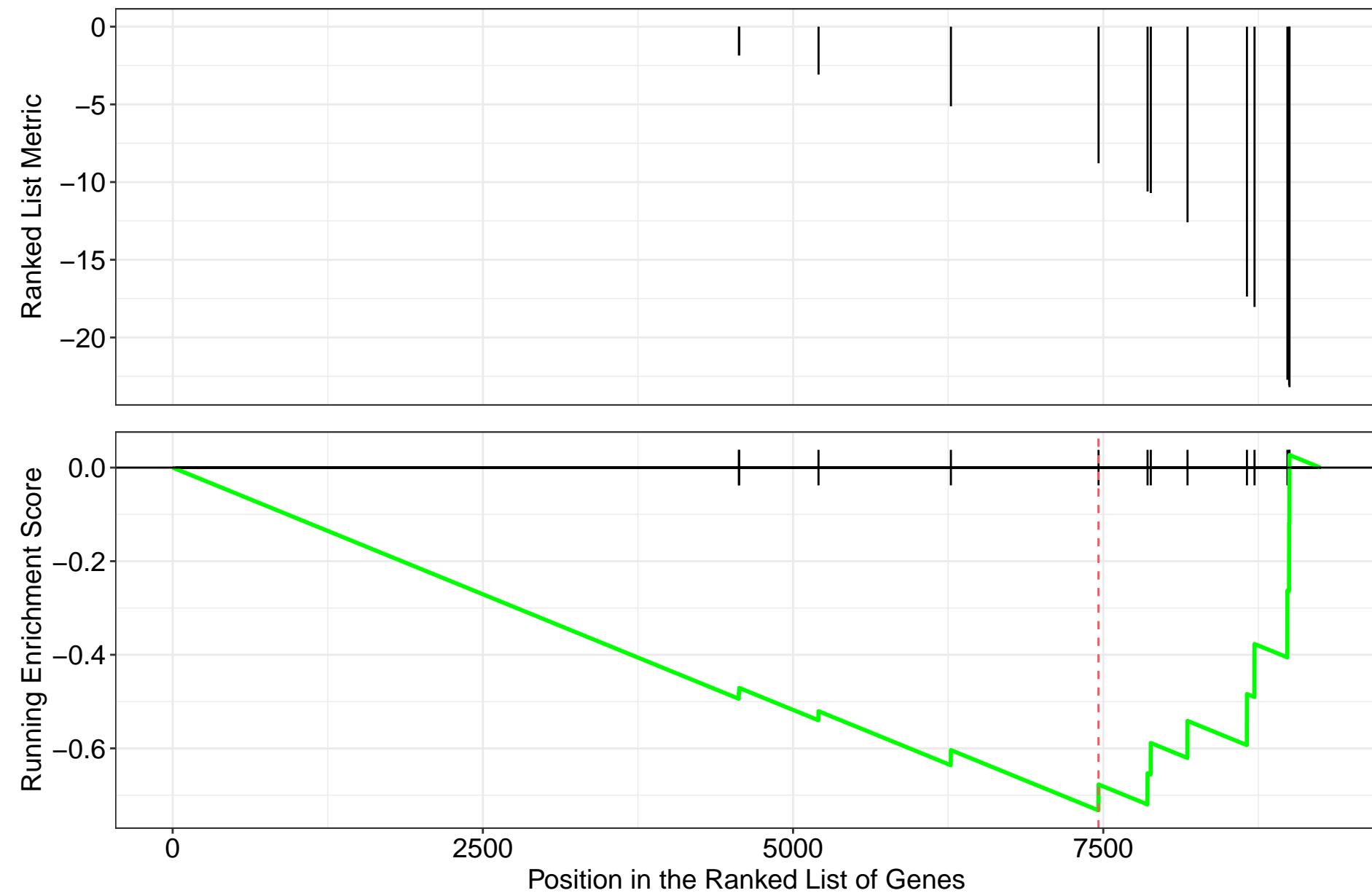
positive regulation of peptidyl-serine phosphorylation



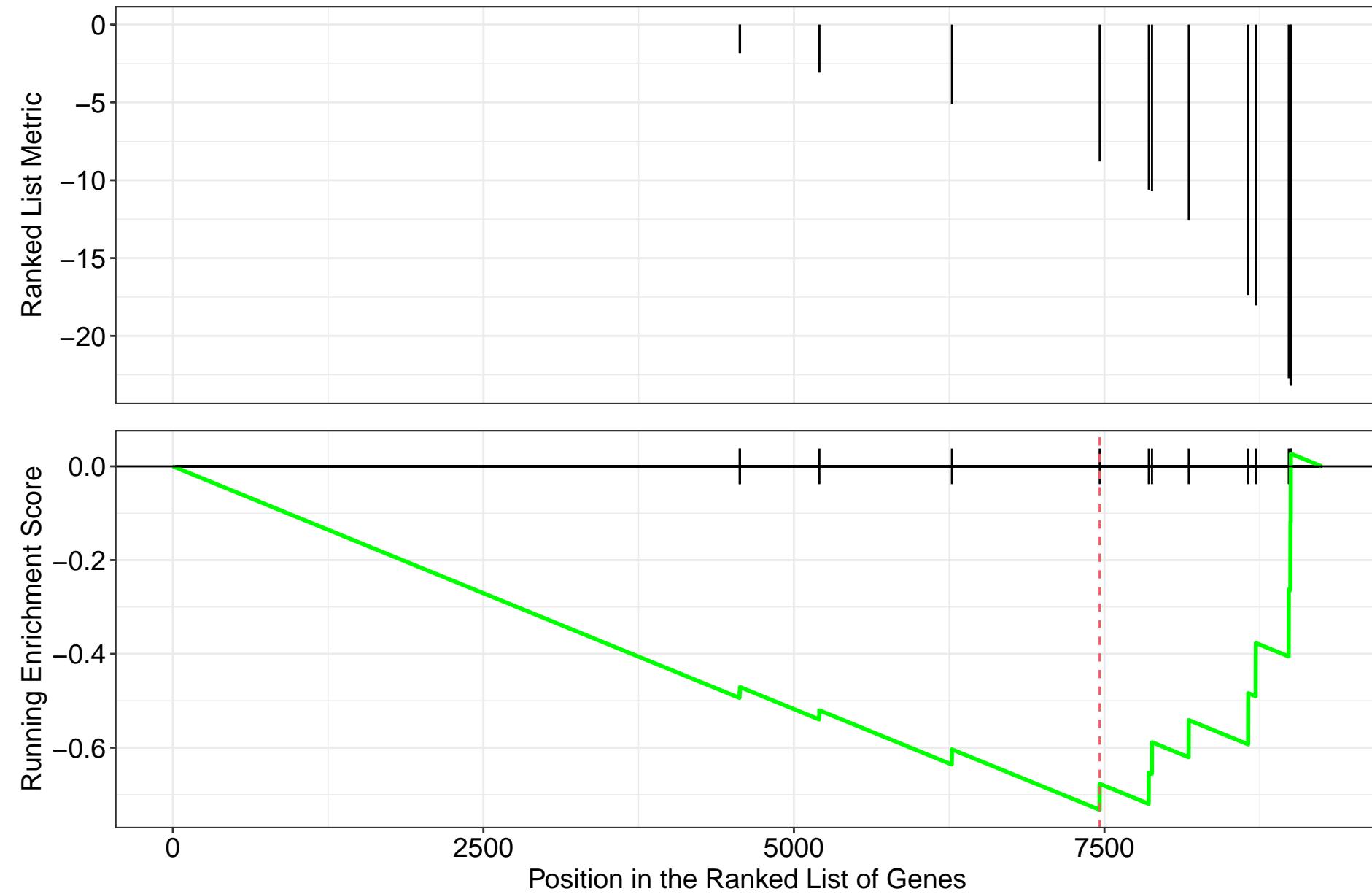
muscle tissue development



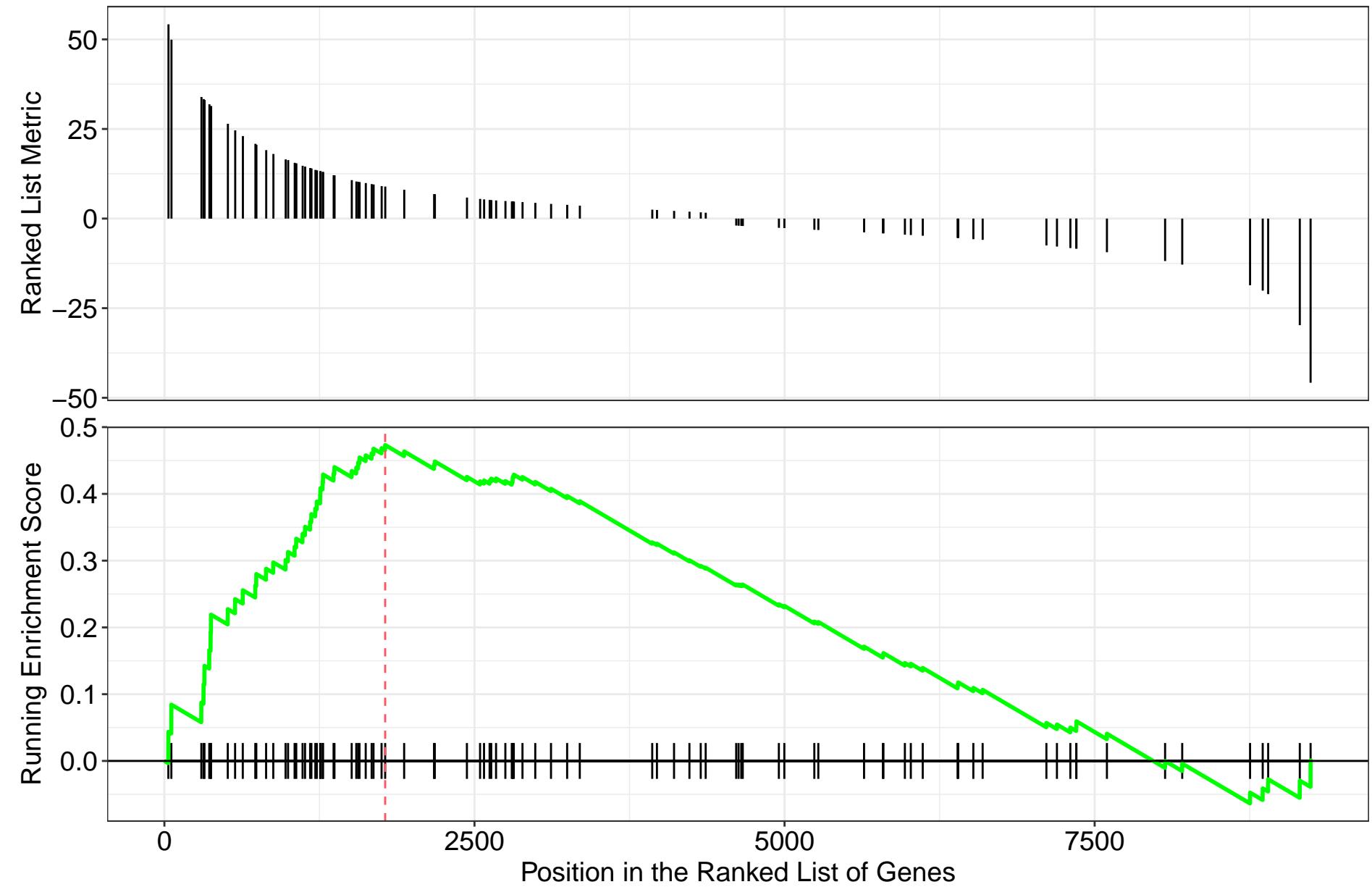
protein localization to kinetochore



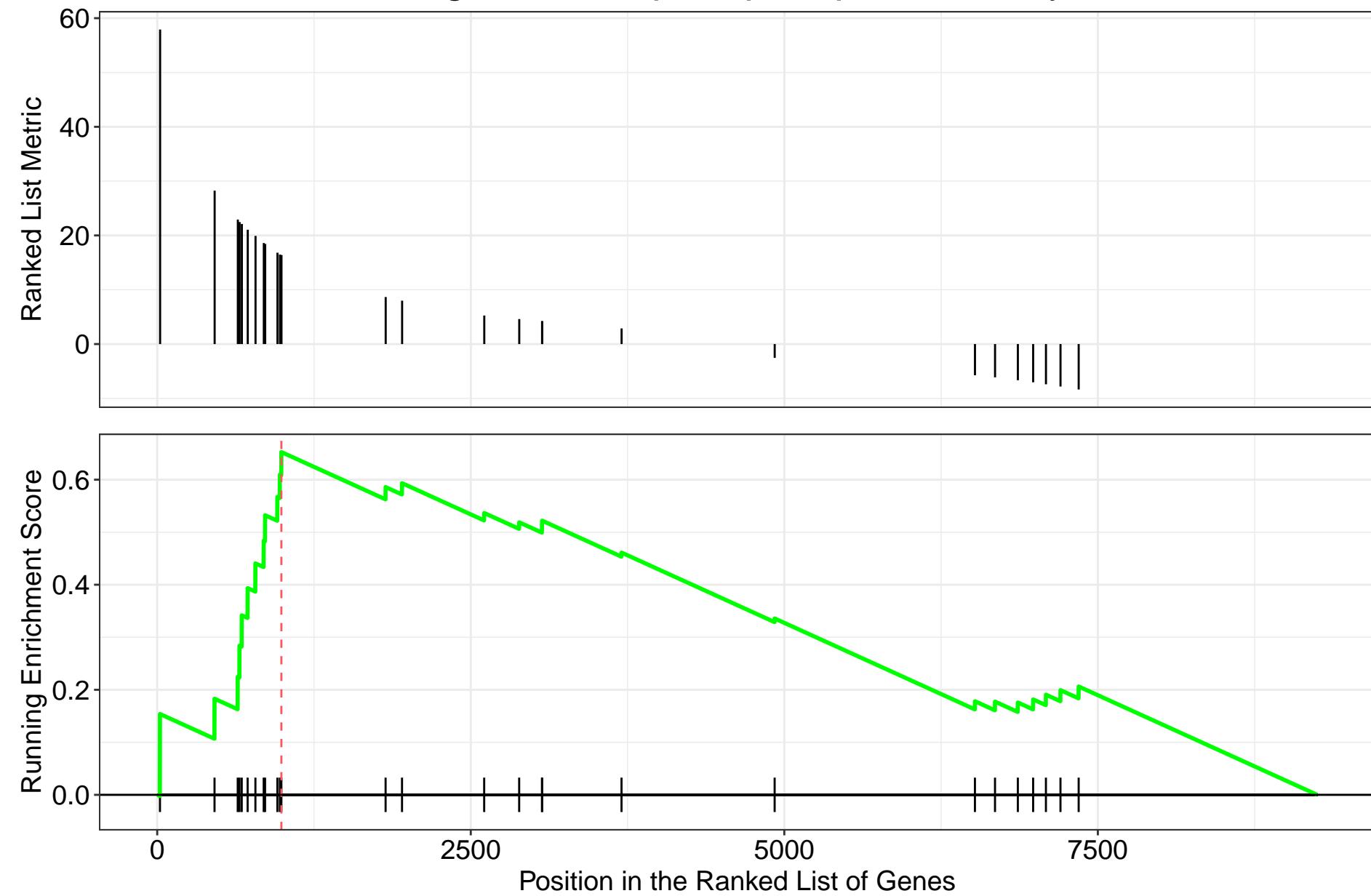
protein localization to condensed chromosome



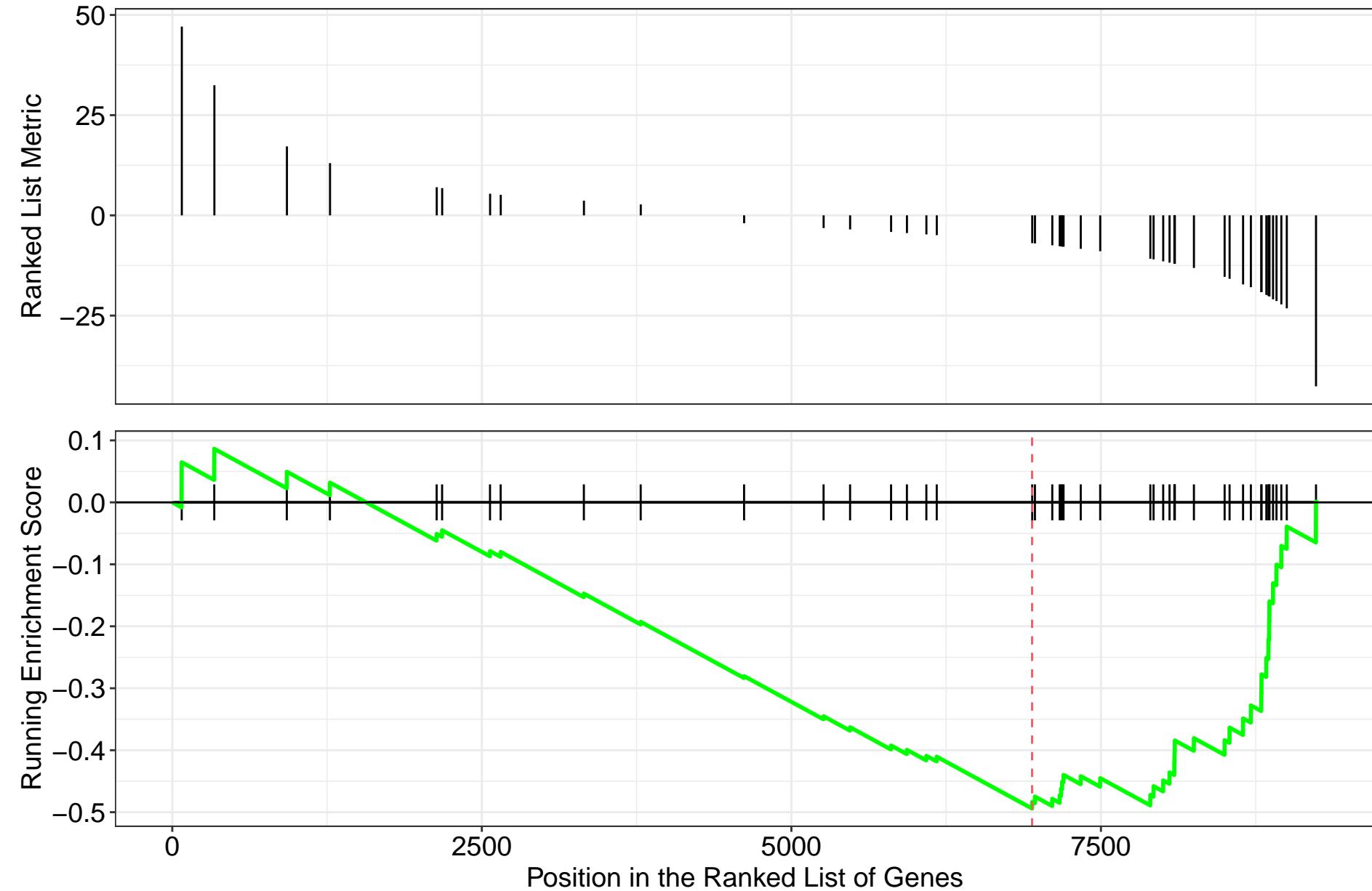
positive regulation of NF–kappaB transcription factor activity



regulation of phospholipase activity

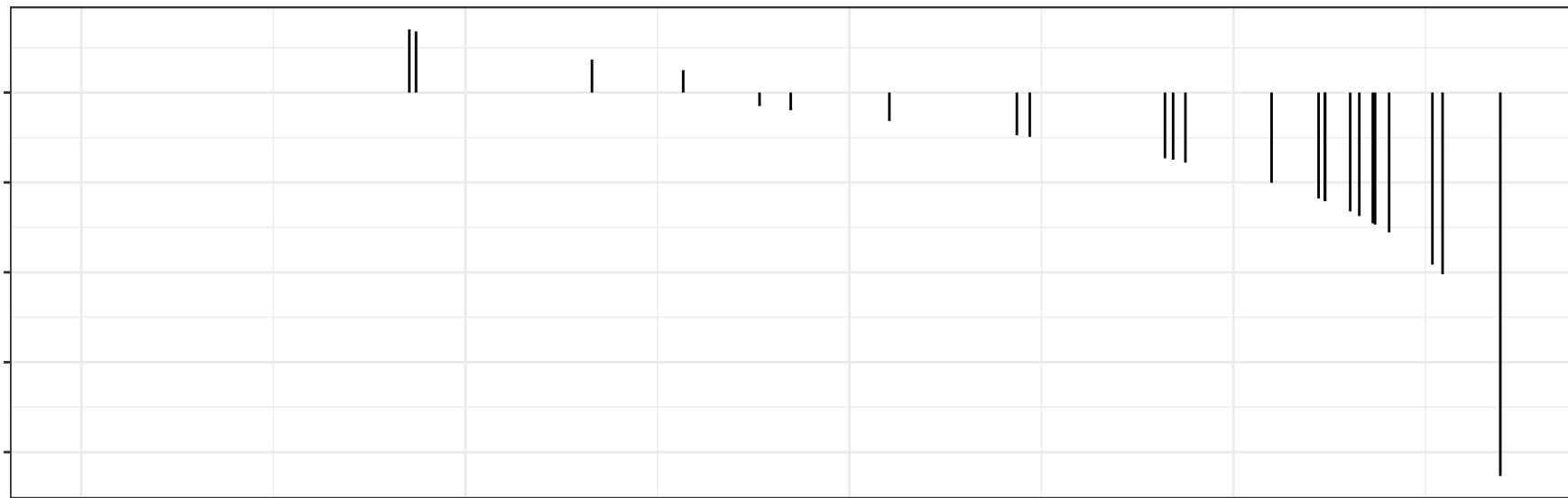


meiotic chromosome segregation



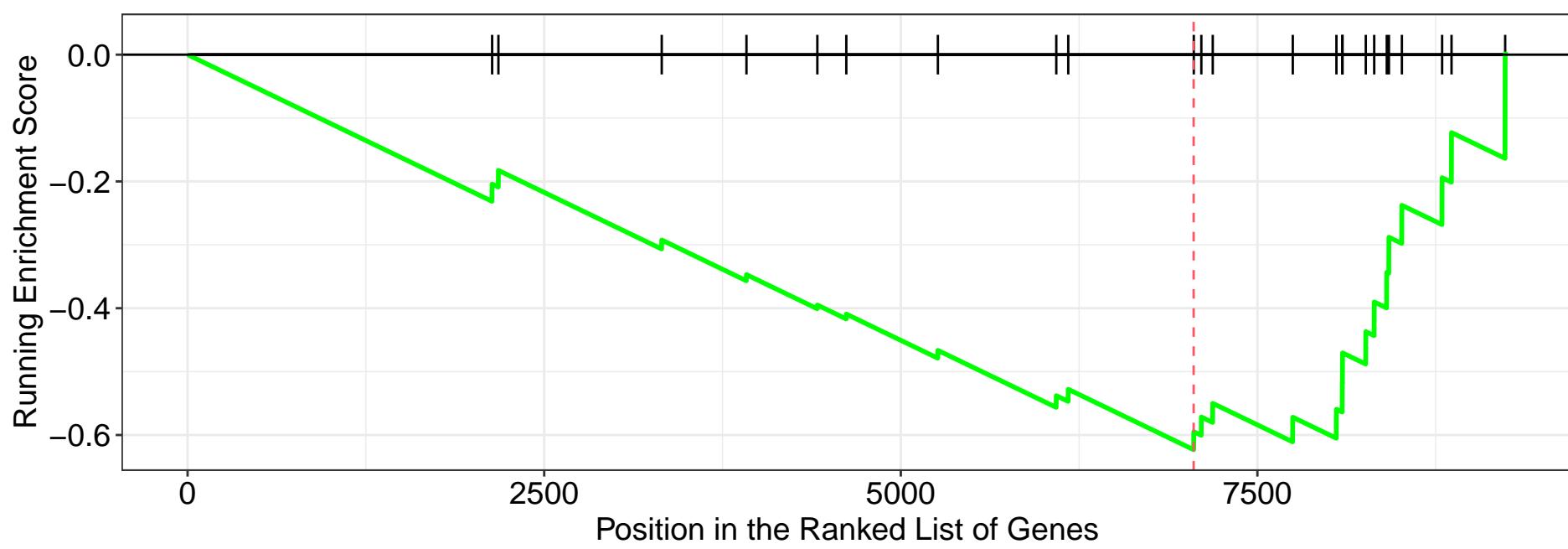
reciprocal meiotic recombination

Ranked List Metric

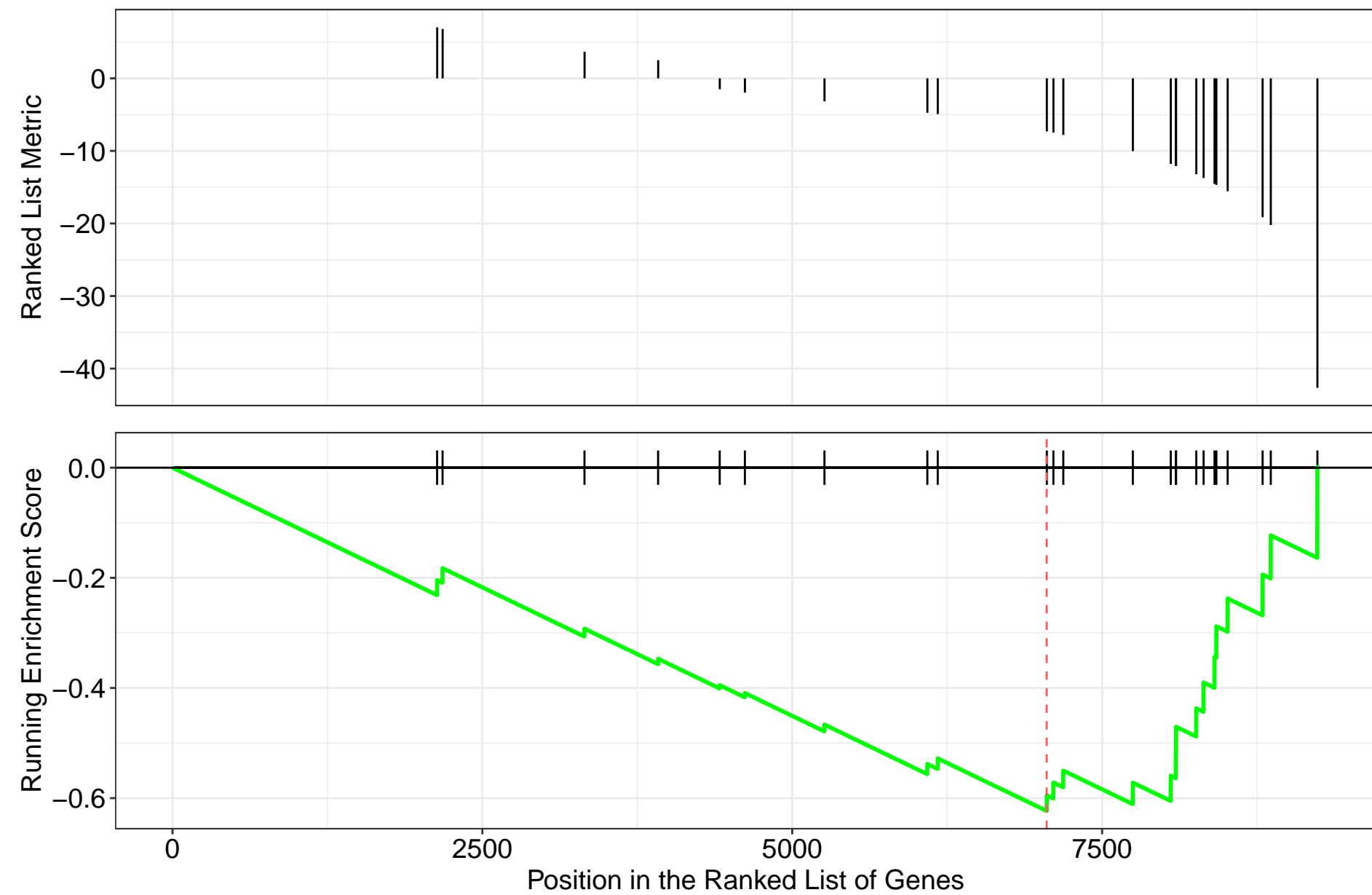


Running Enrichment Score

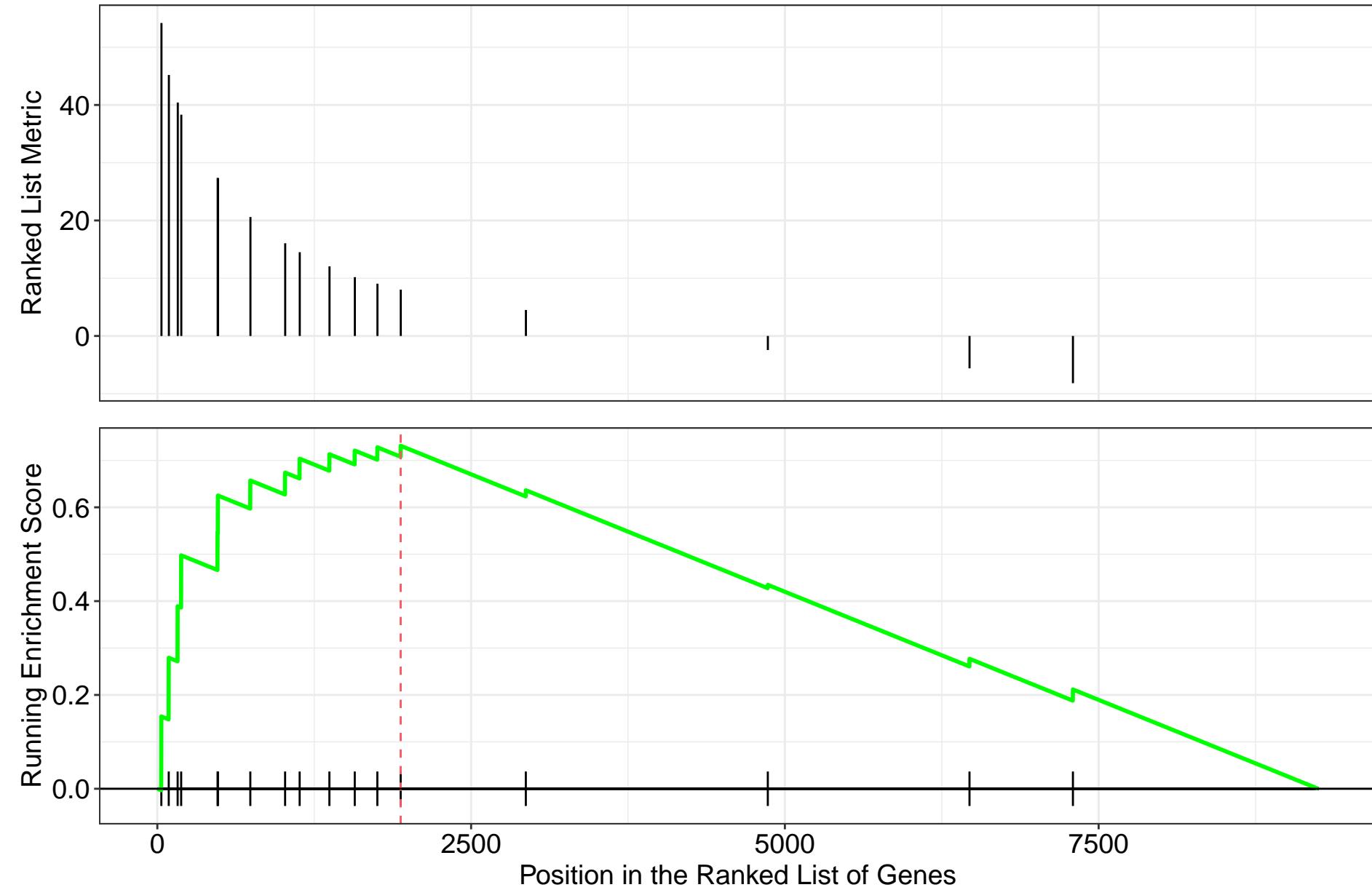
Position in the Ranked List of Genes



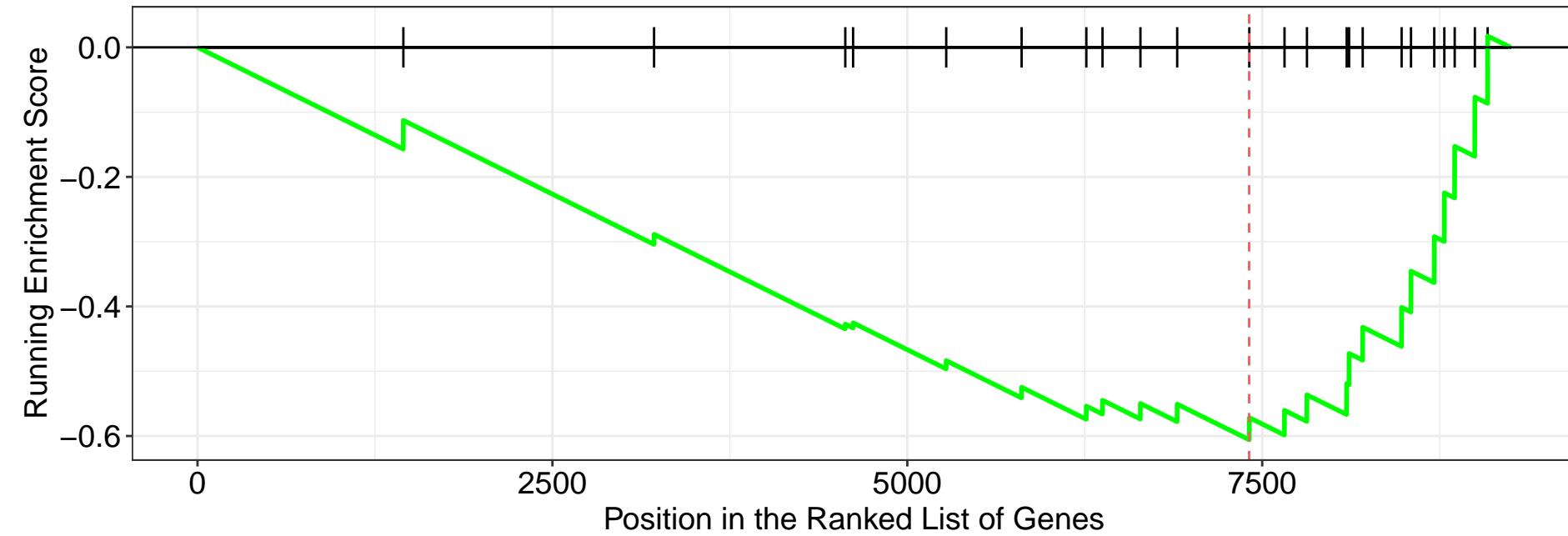
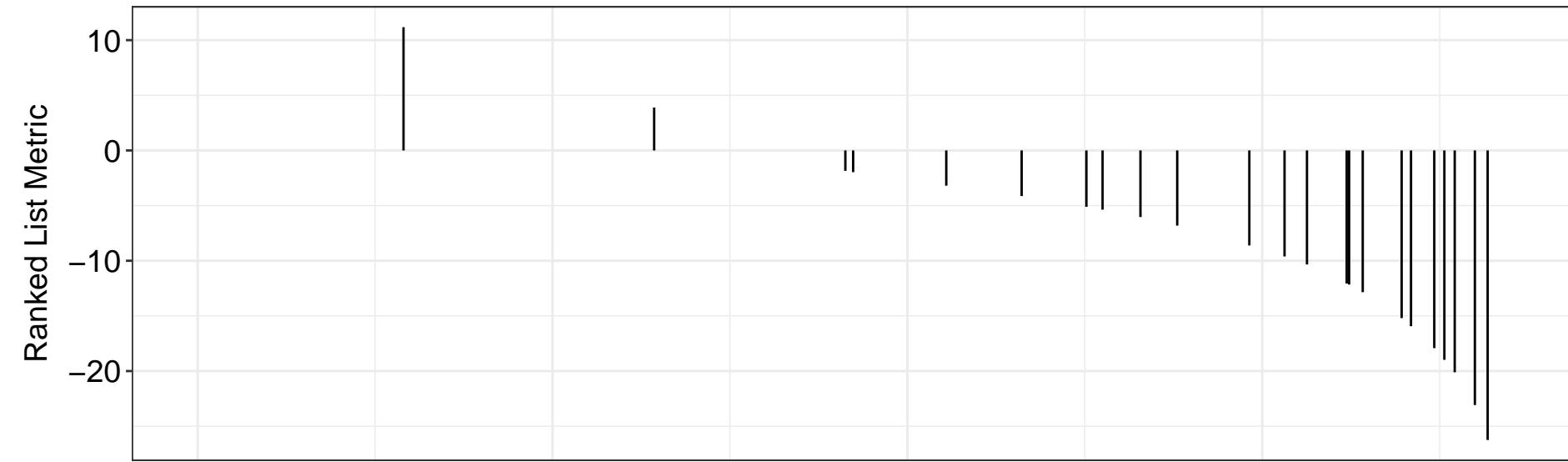
reciprocal homologous recombination



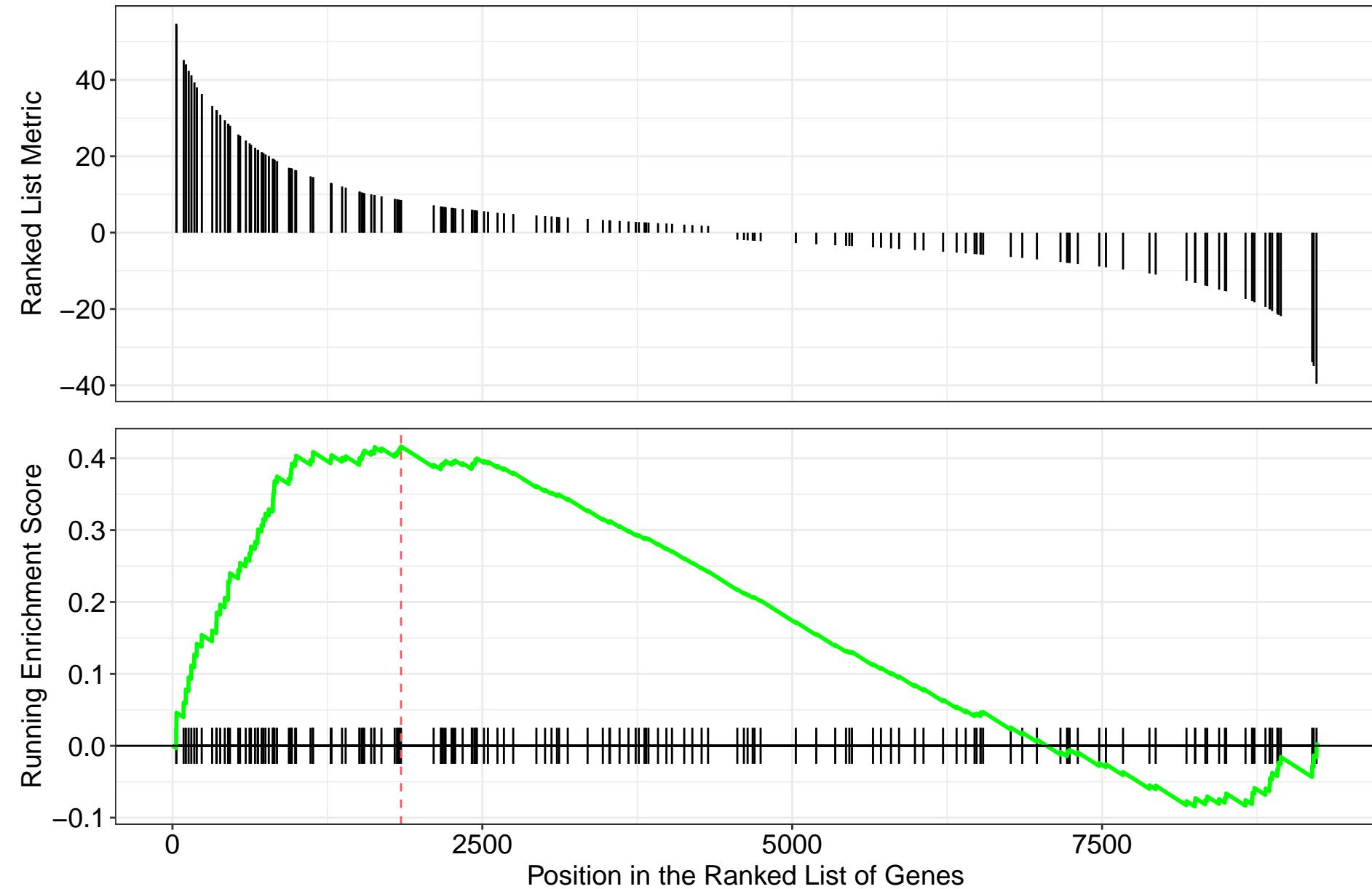
positive regulation of T cell cytokine production



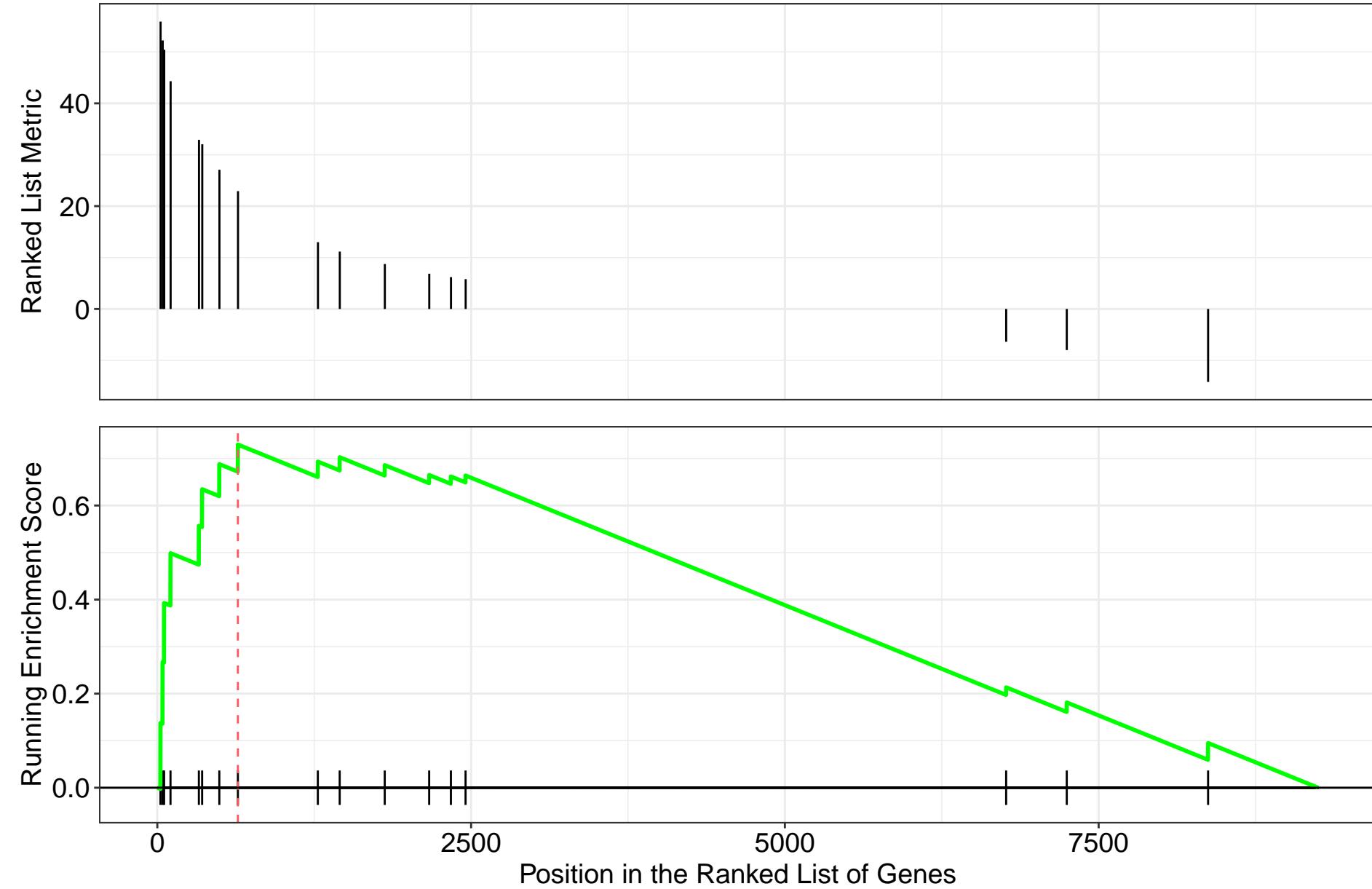
centromere complex assembly



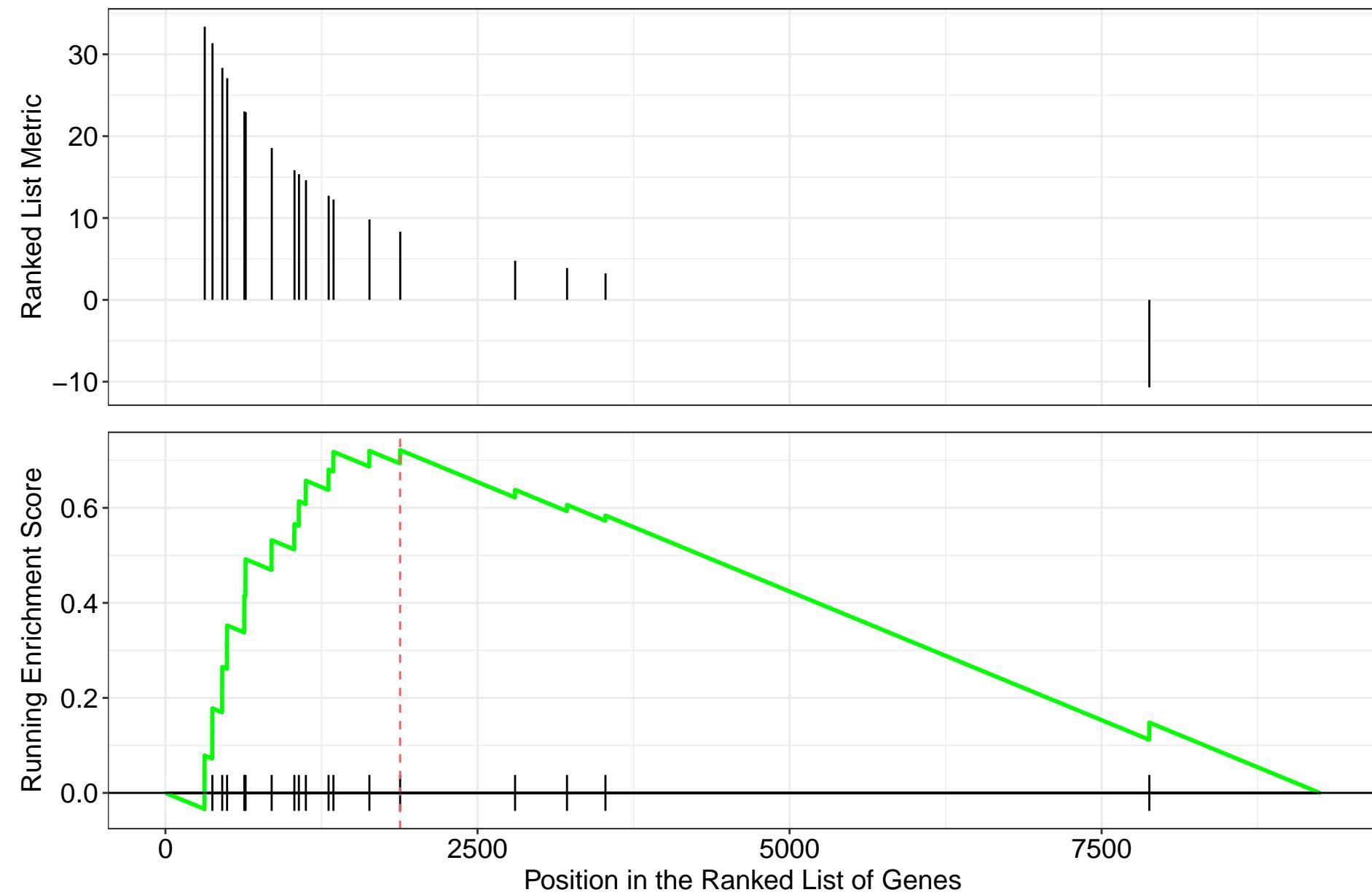
activation of immune response



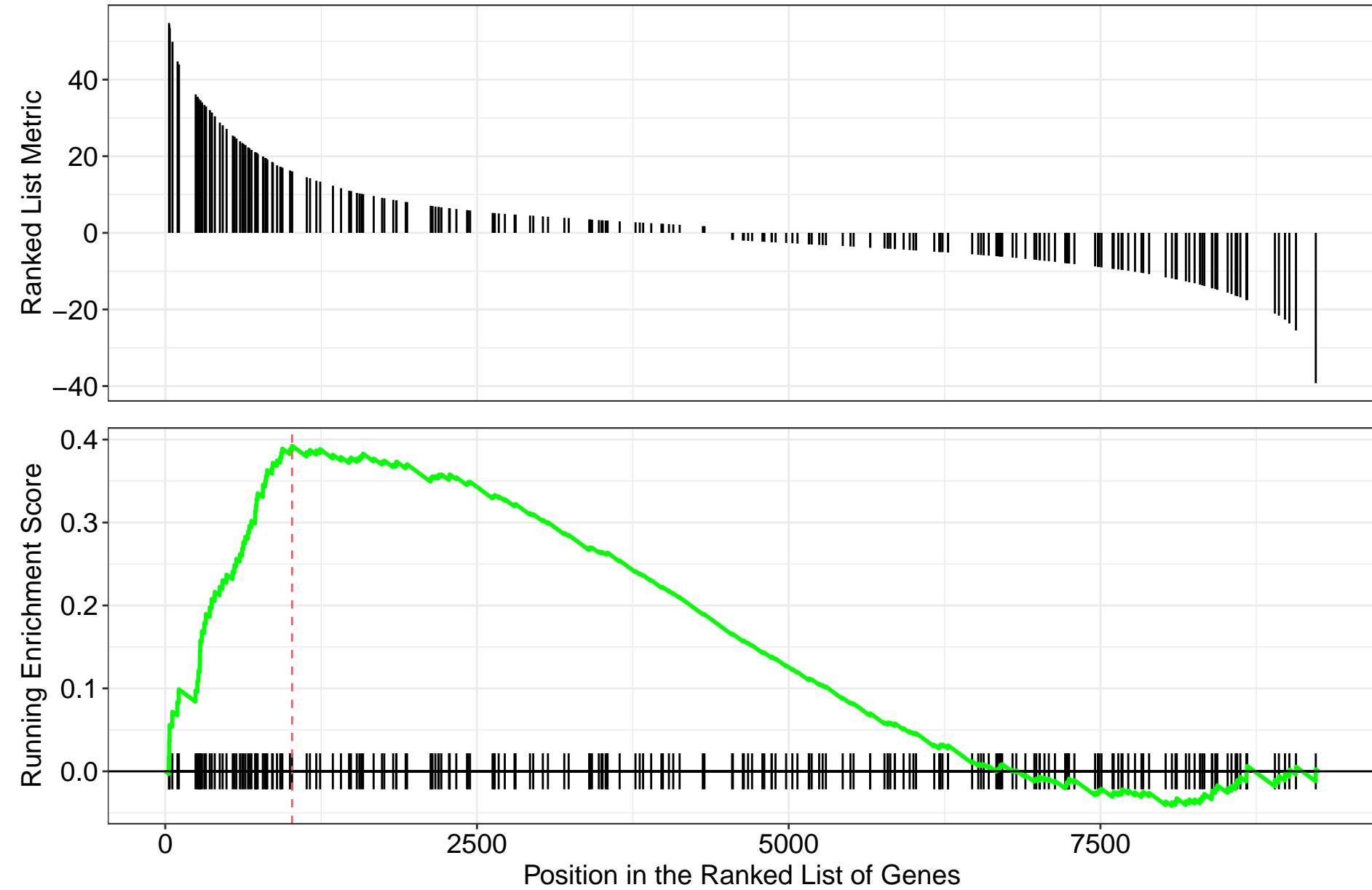
tolerance induction



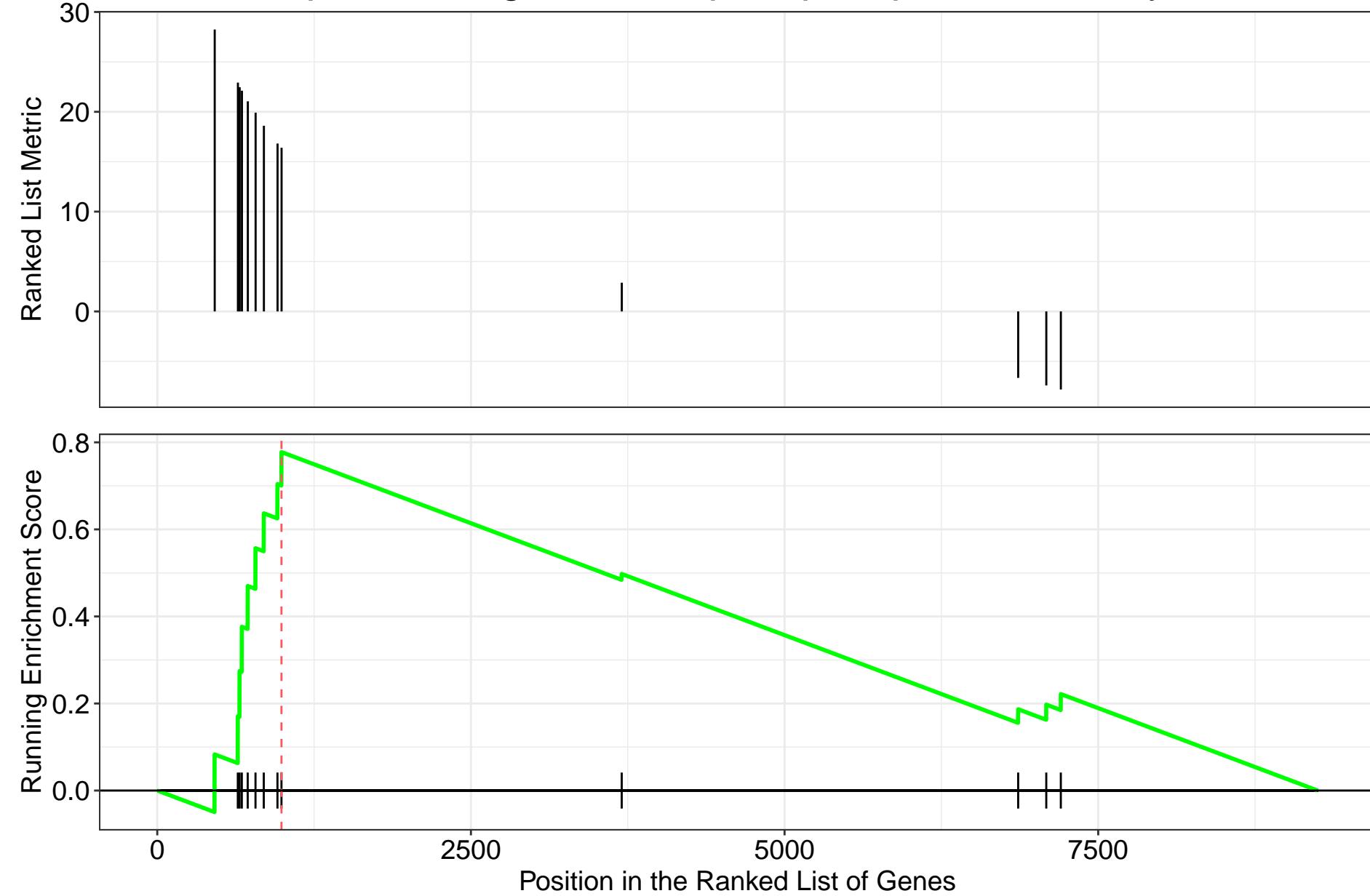
toll-like receptor 3 signaling pathway



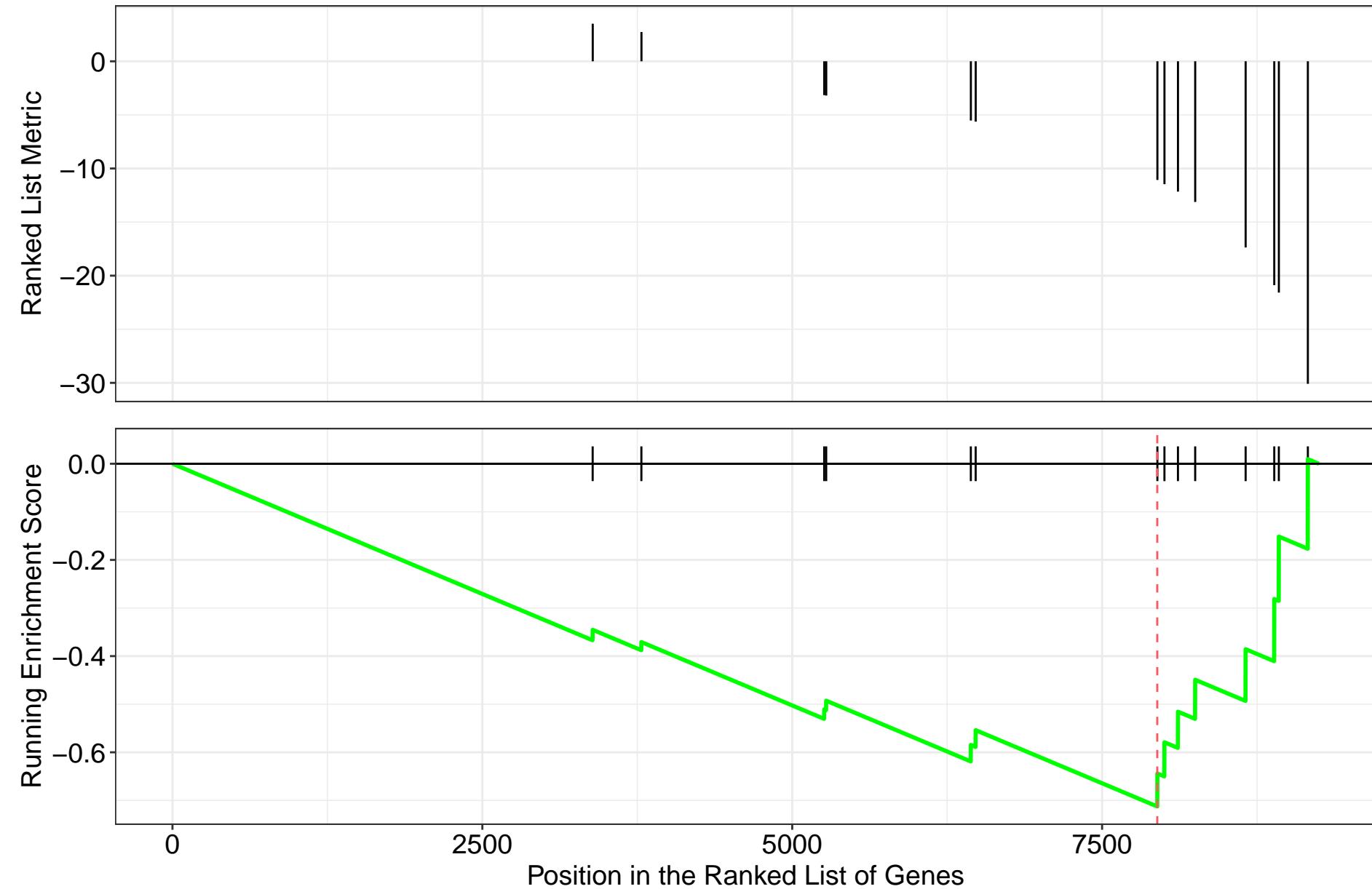
positive regulation of kinase activity



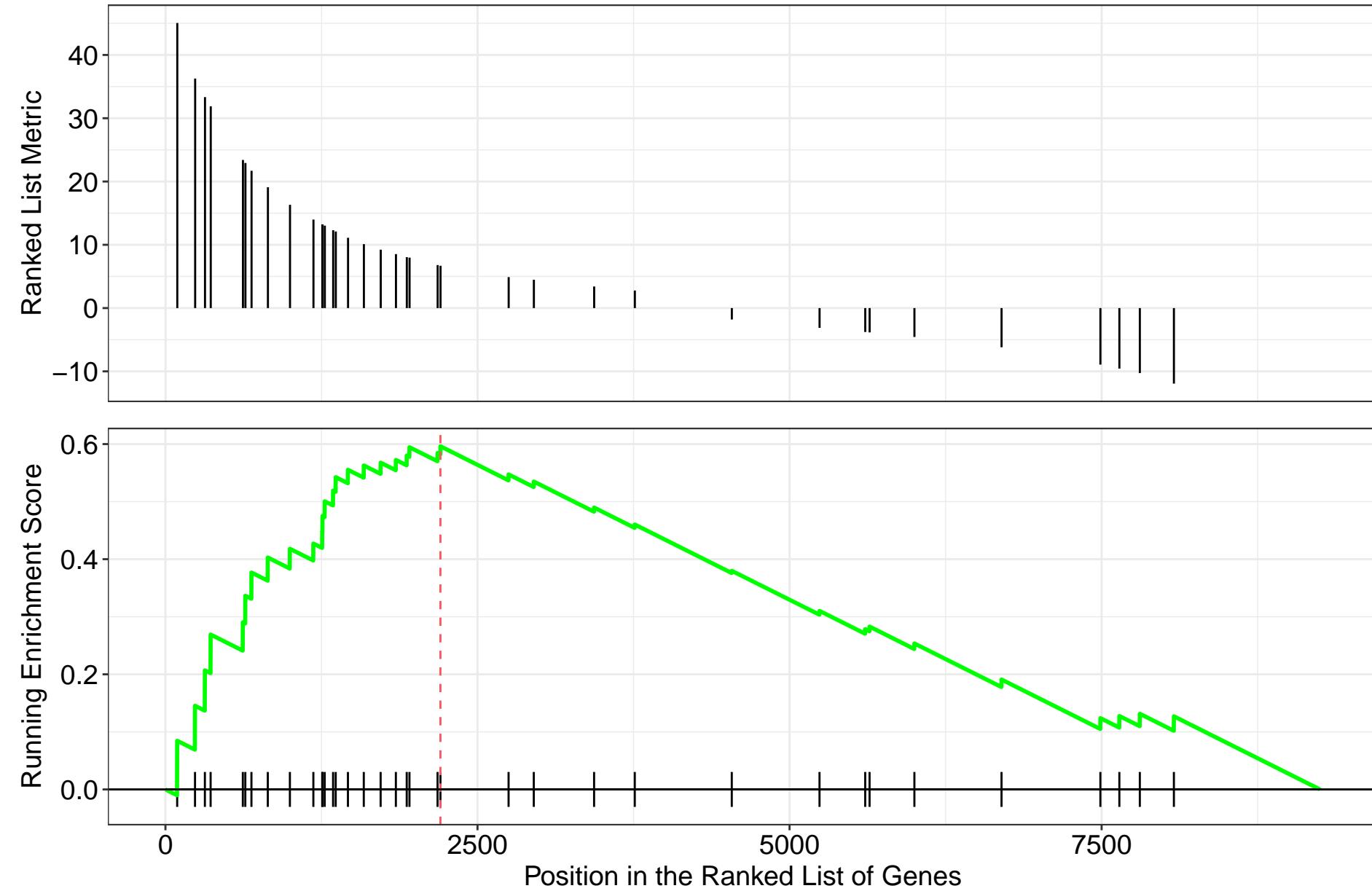
positive regulation of phospholipase C activity



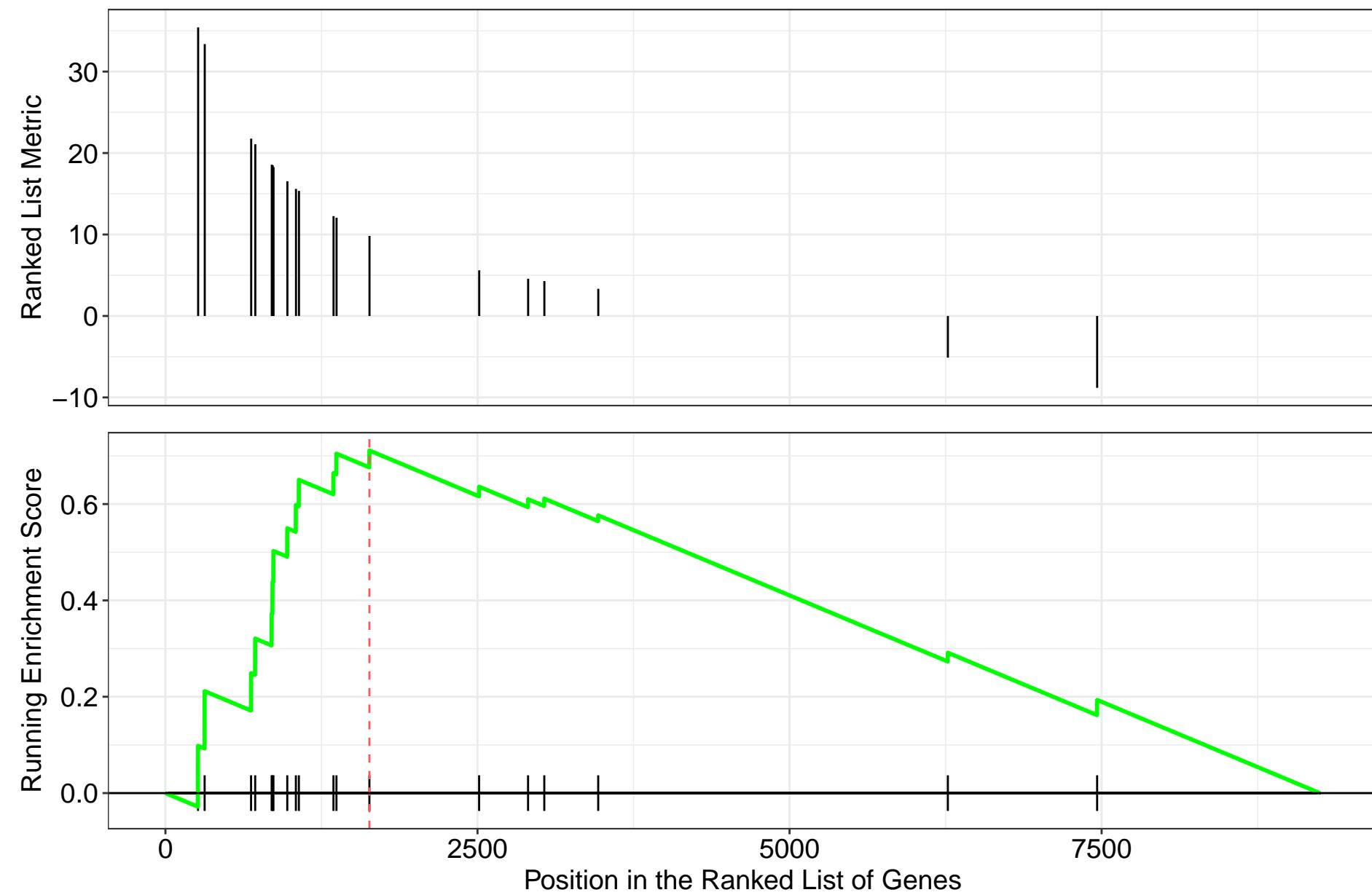
meiotic spindle organization



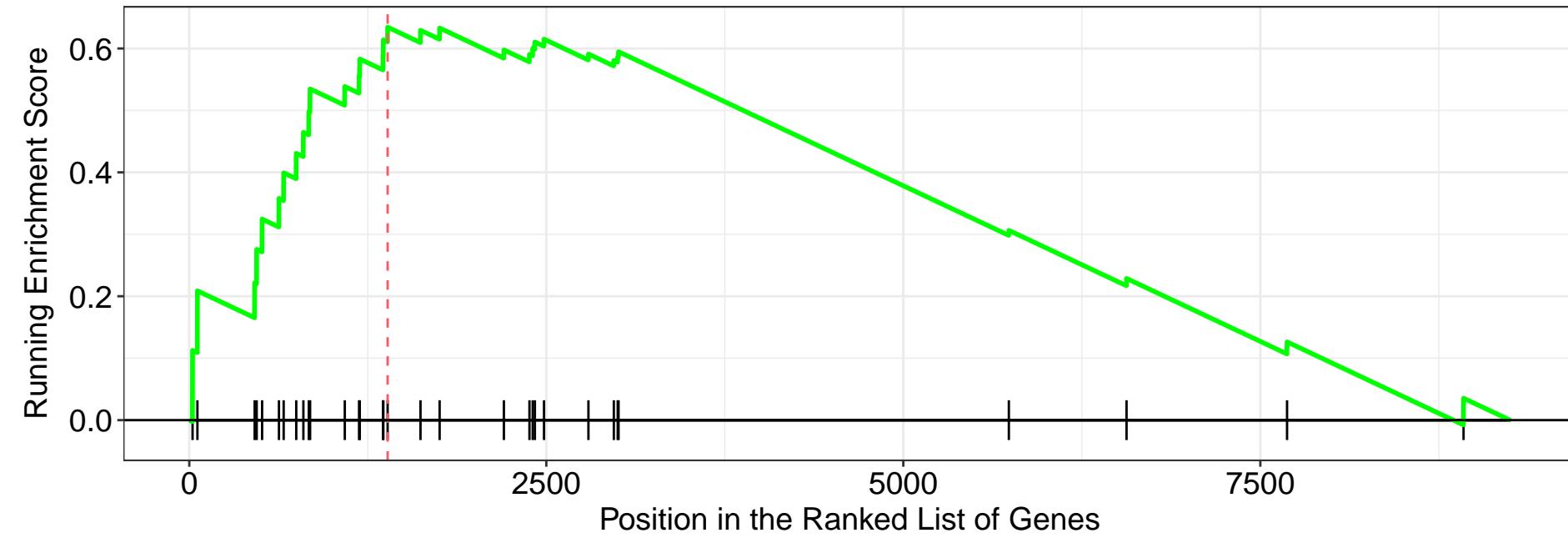
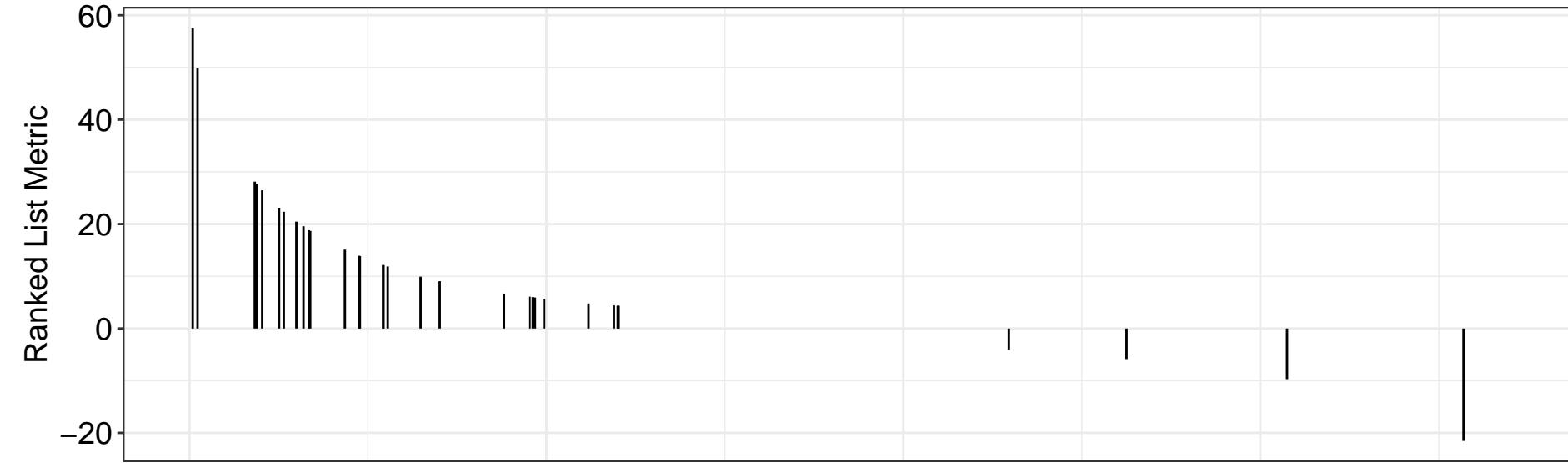
regulation of viral entry into host cell



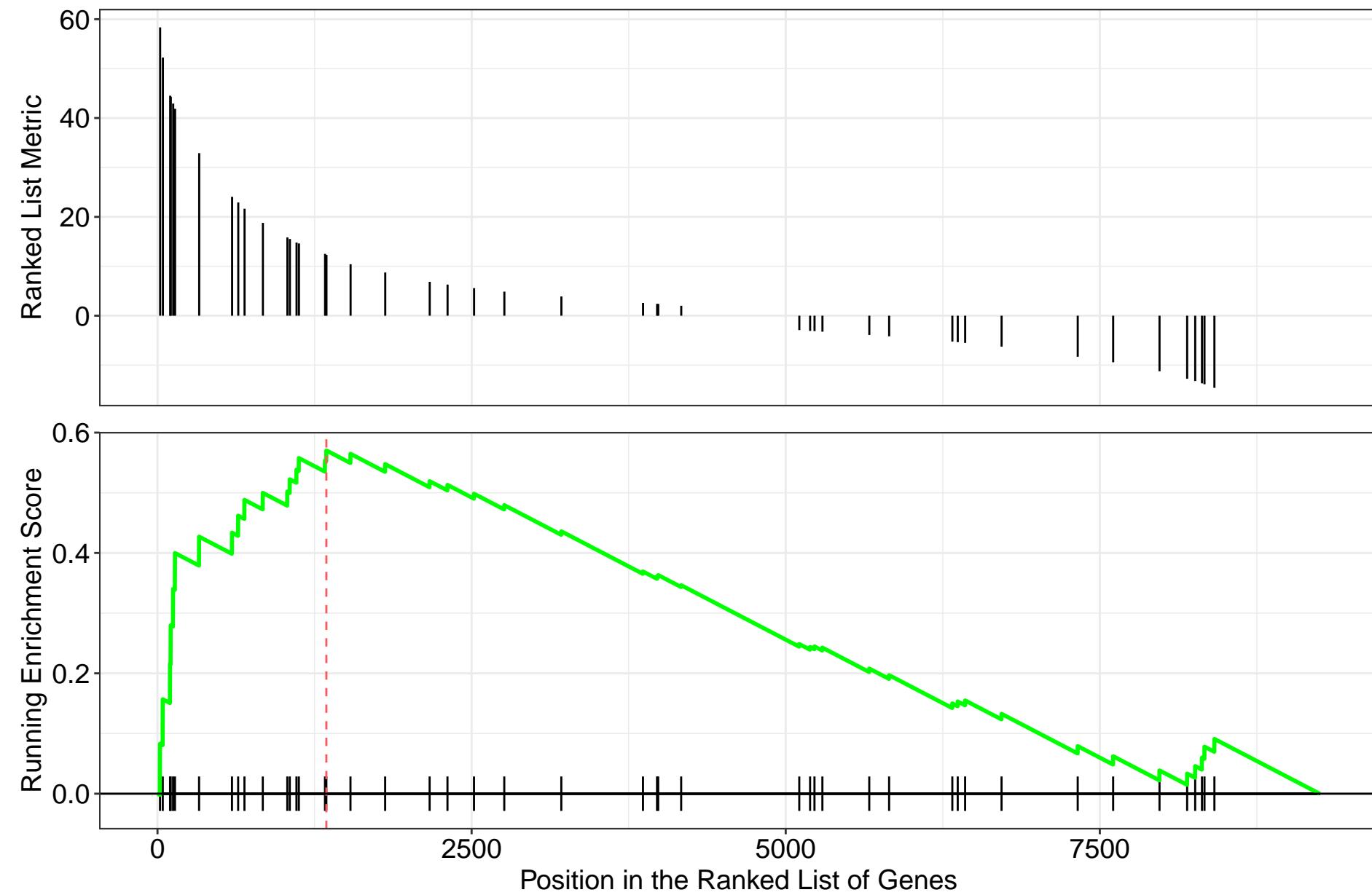
negative regulation of type I interferon-mediated signaling pathway



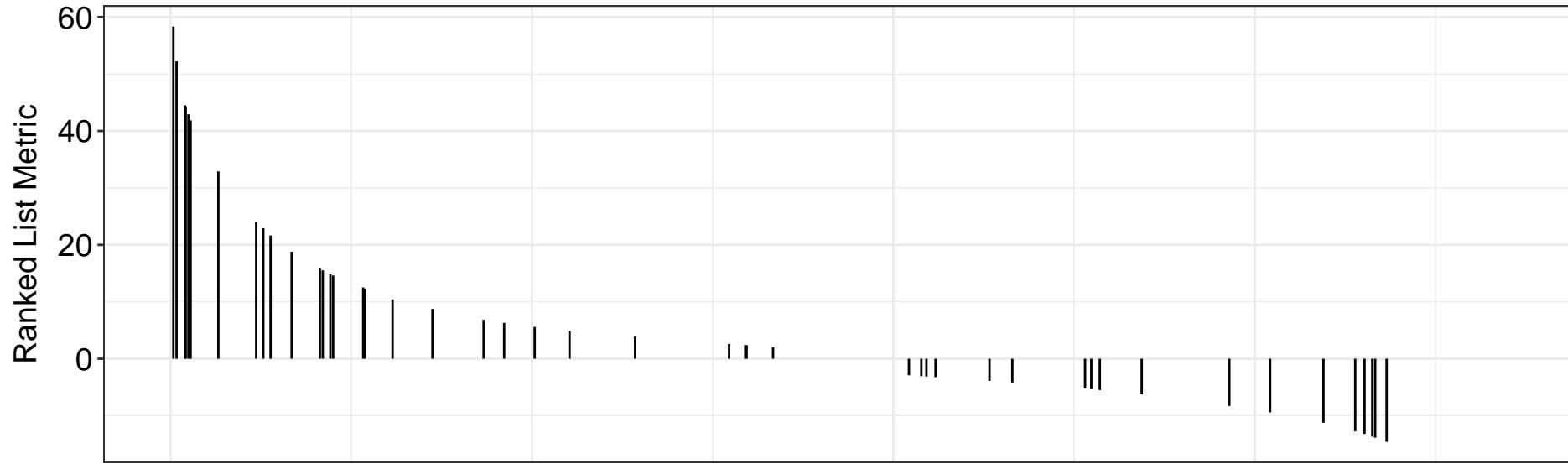
regulation of T cell mediated cytotoxicity



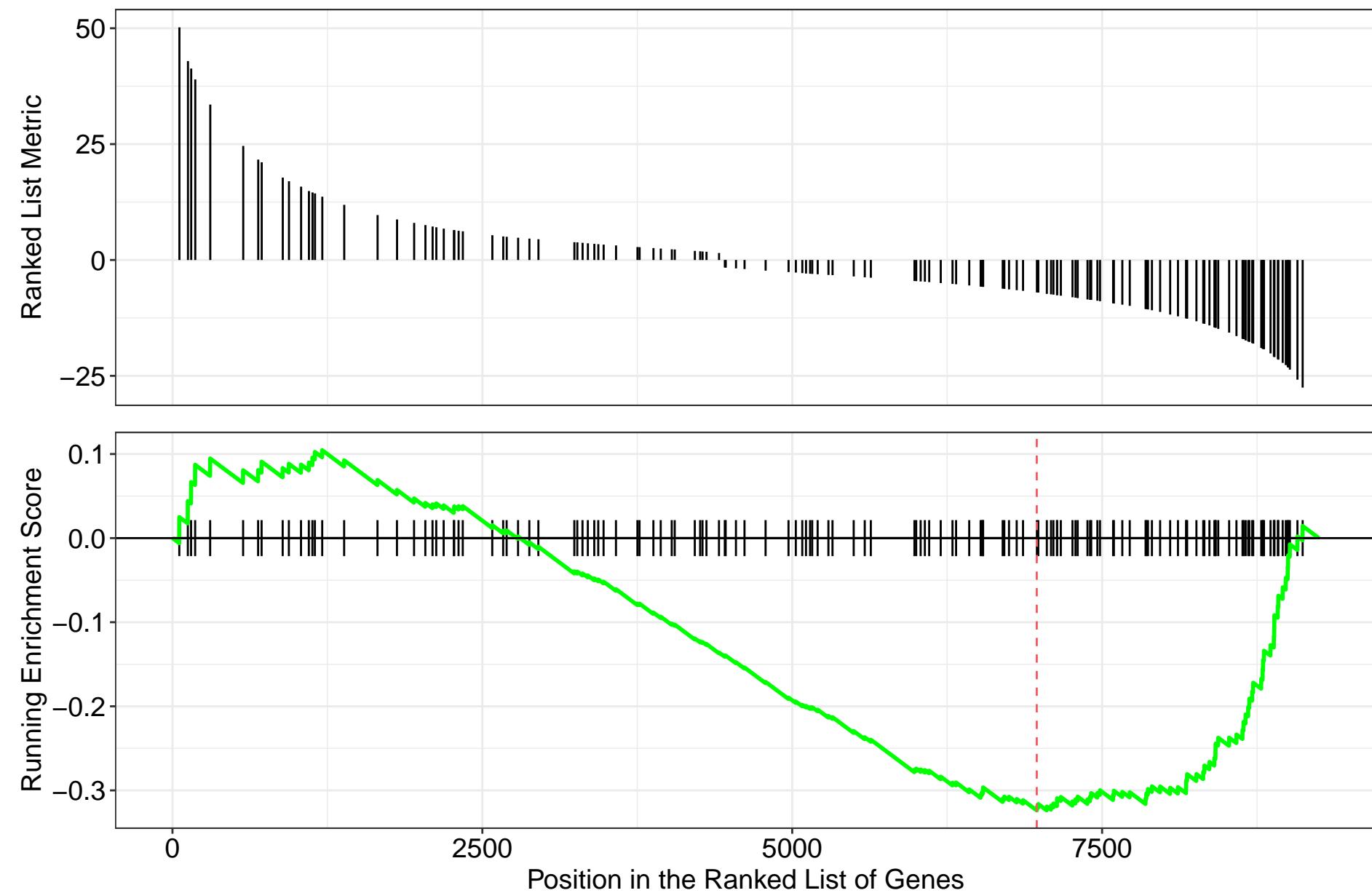
negative regulation of mononuclear cell proliferation



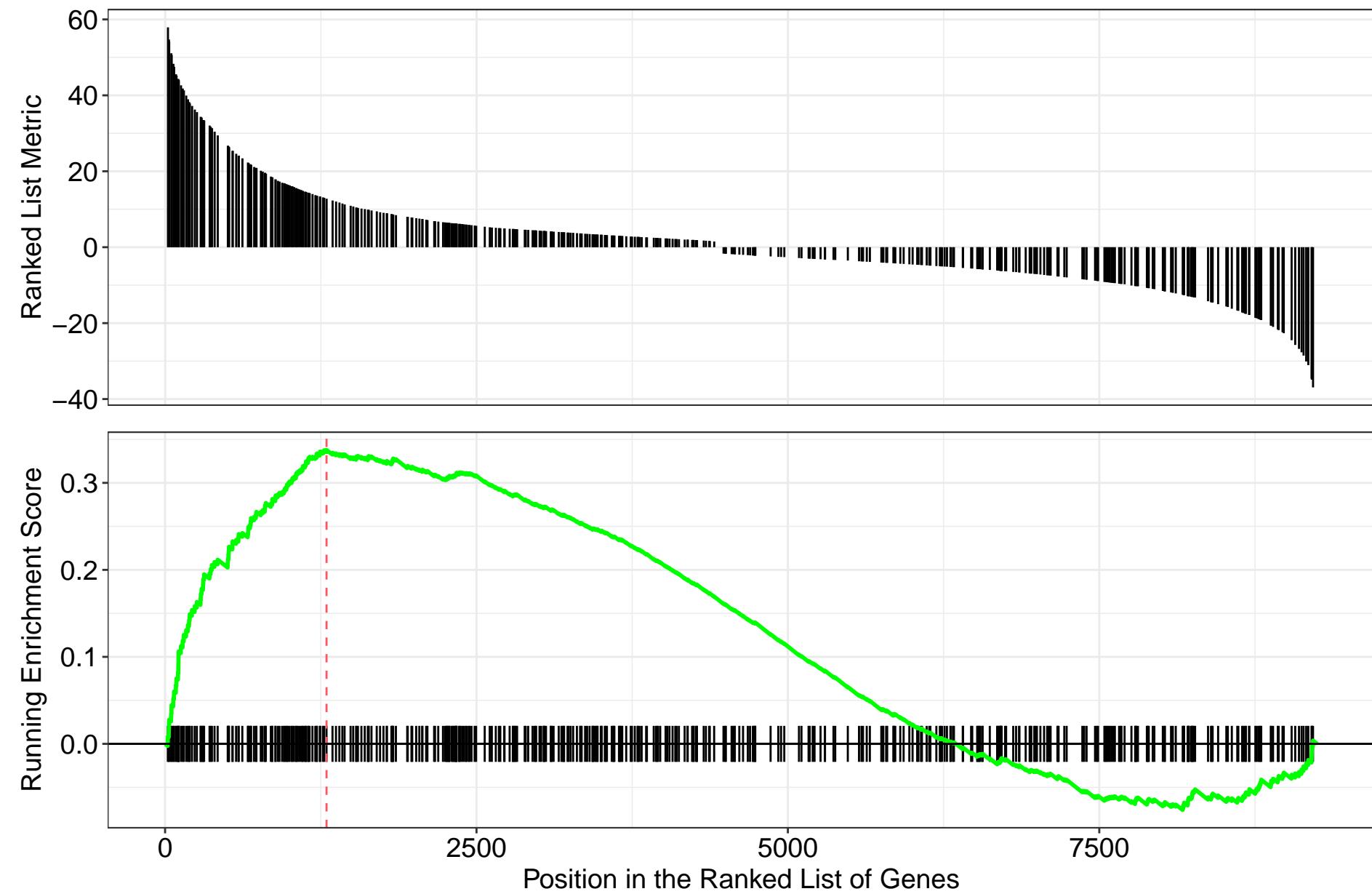
negative regulation of lymphocyte proliferation



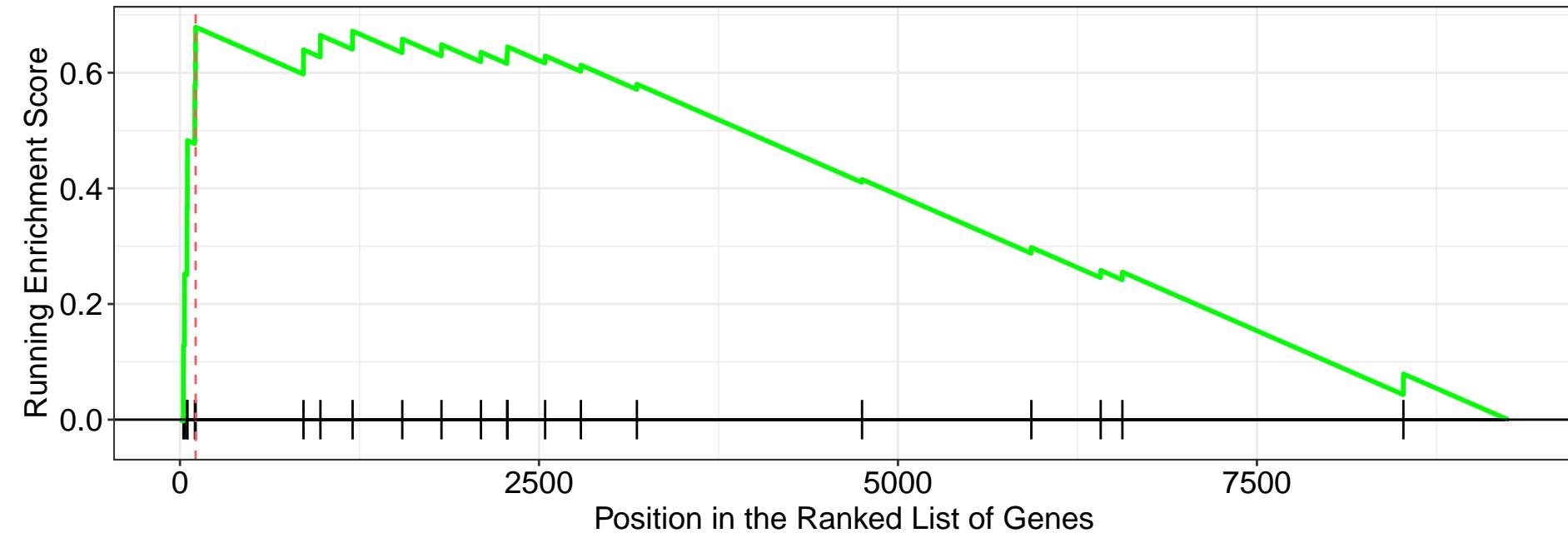
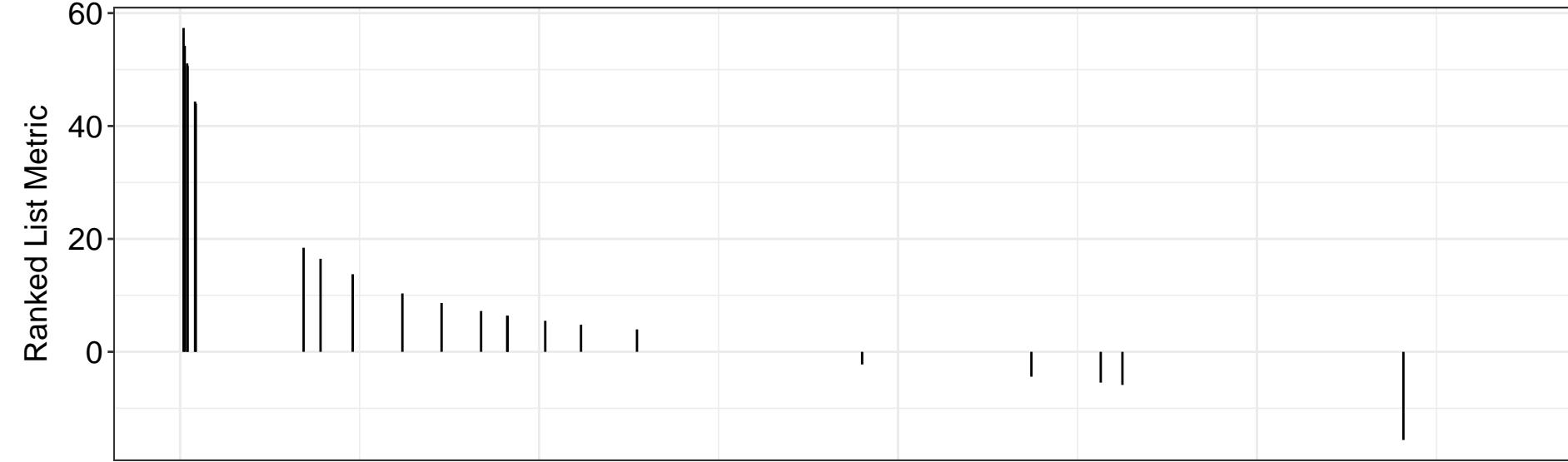
negative regulation of mitotic cell cycle



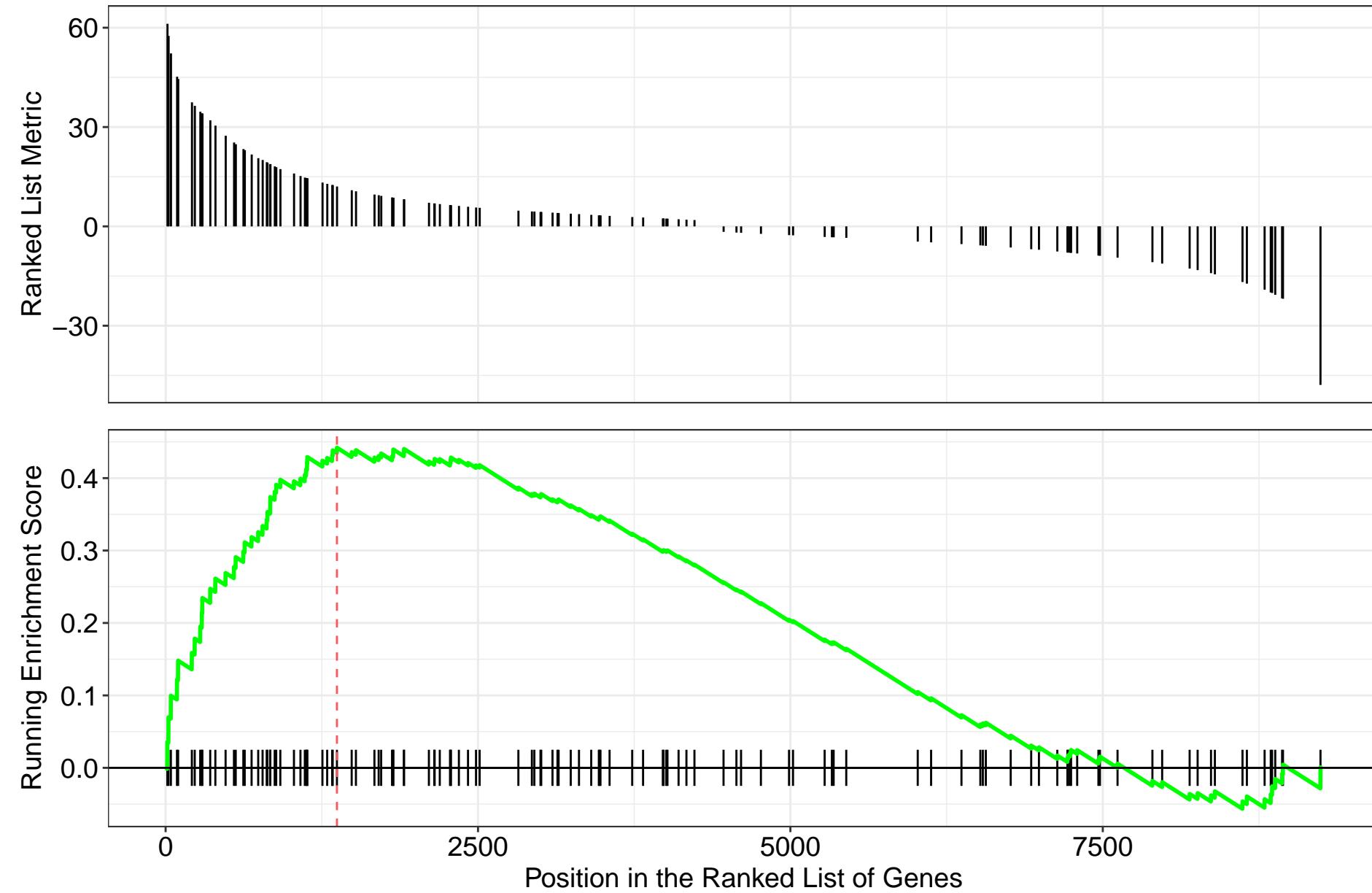
positive regulation of transport



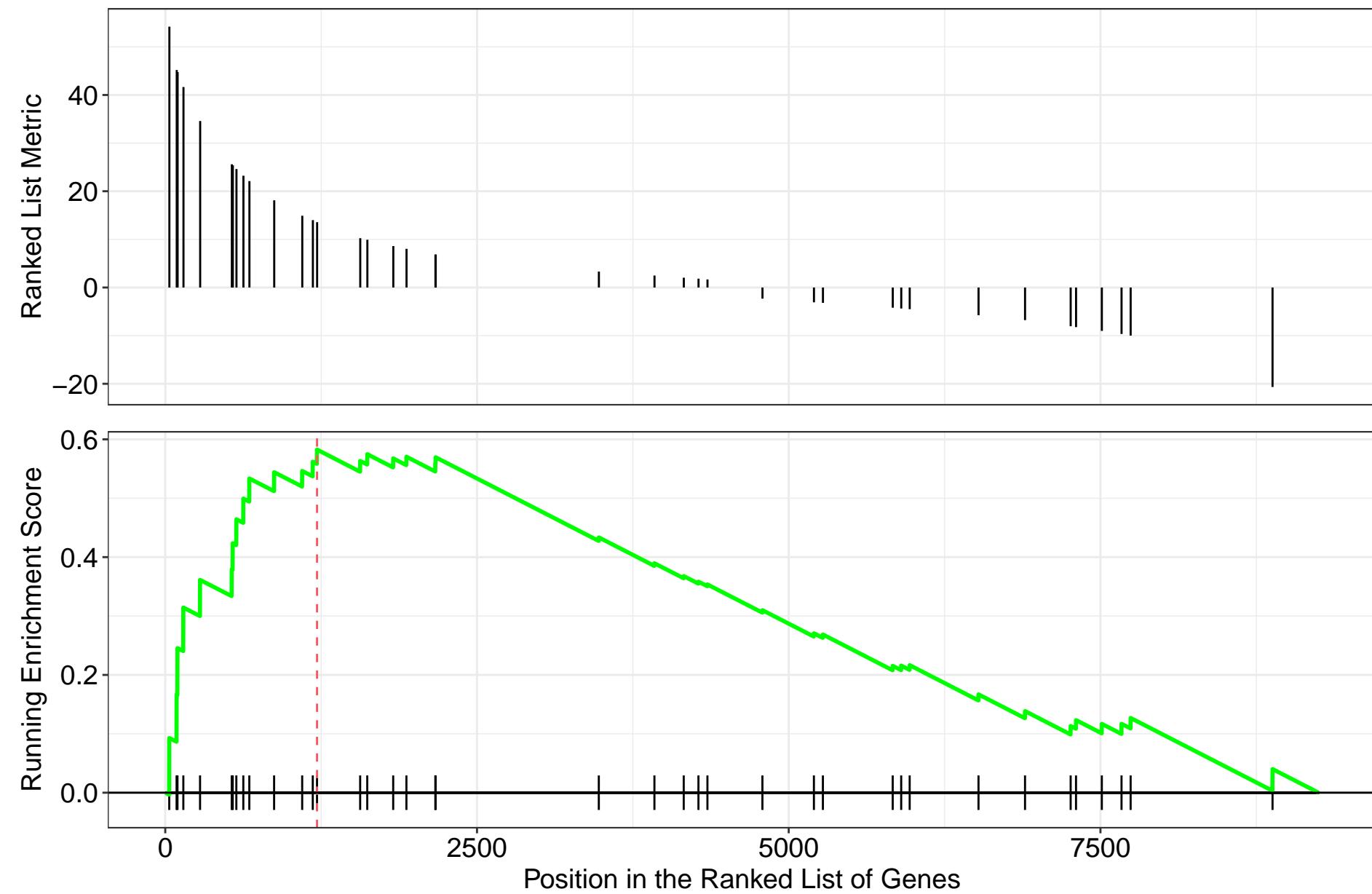
icosanoid secretion



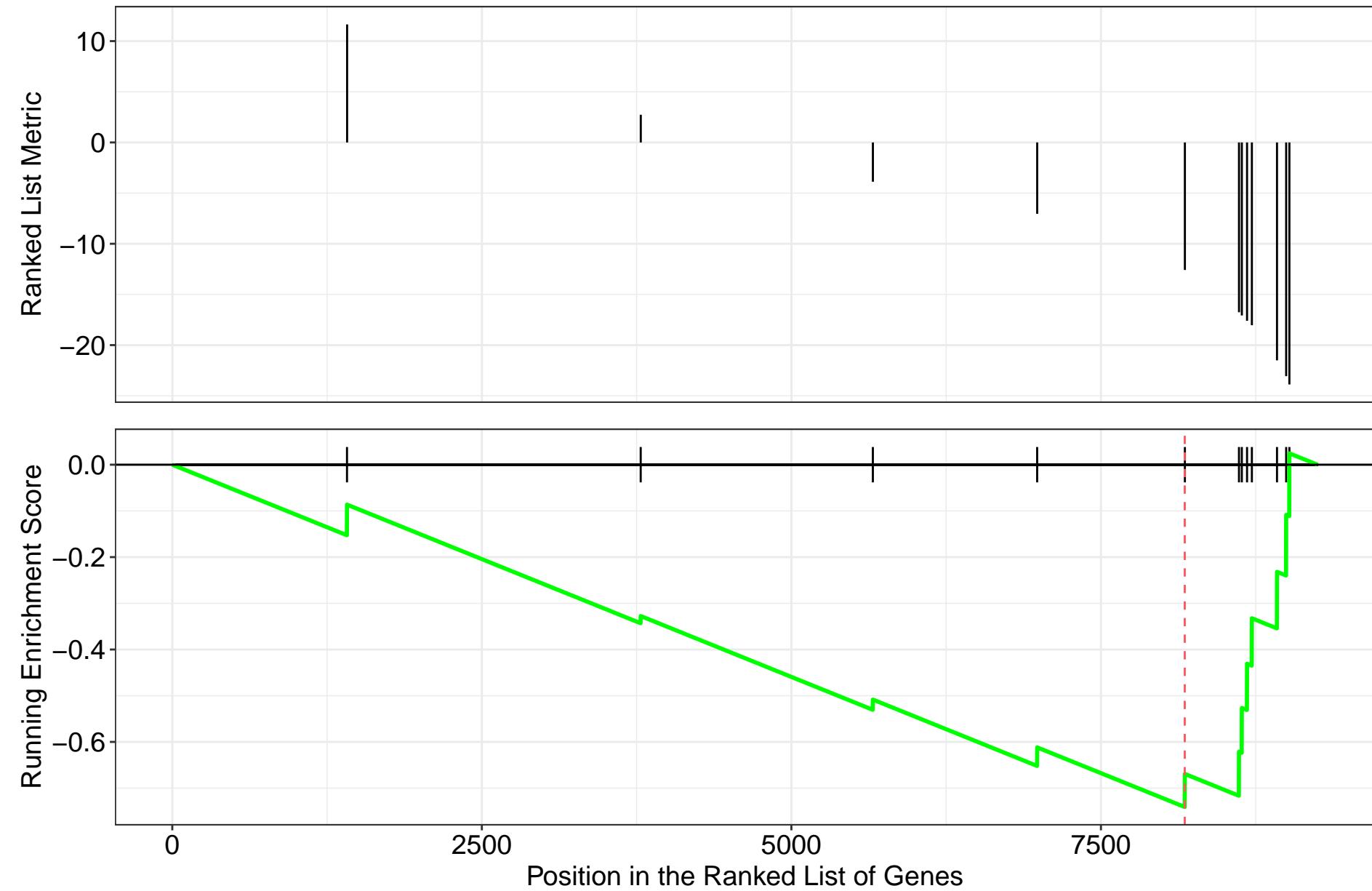
regulation of lymphocyte differentiation



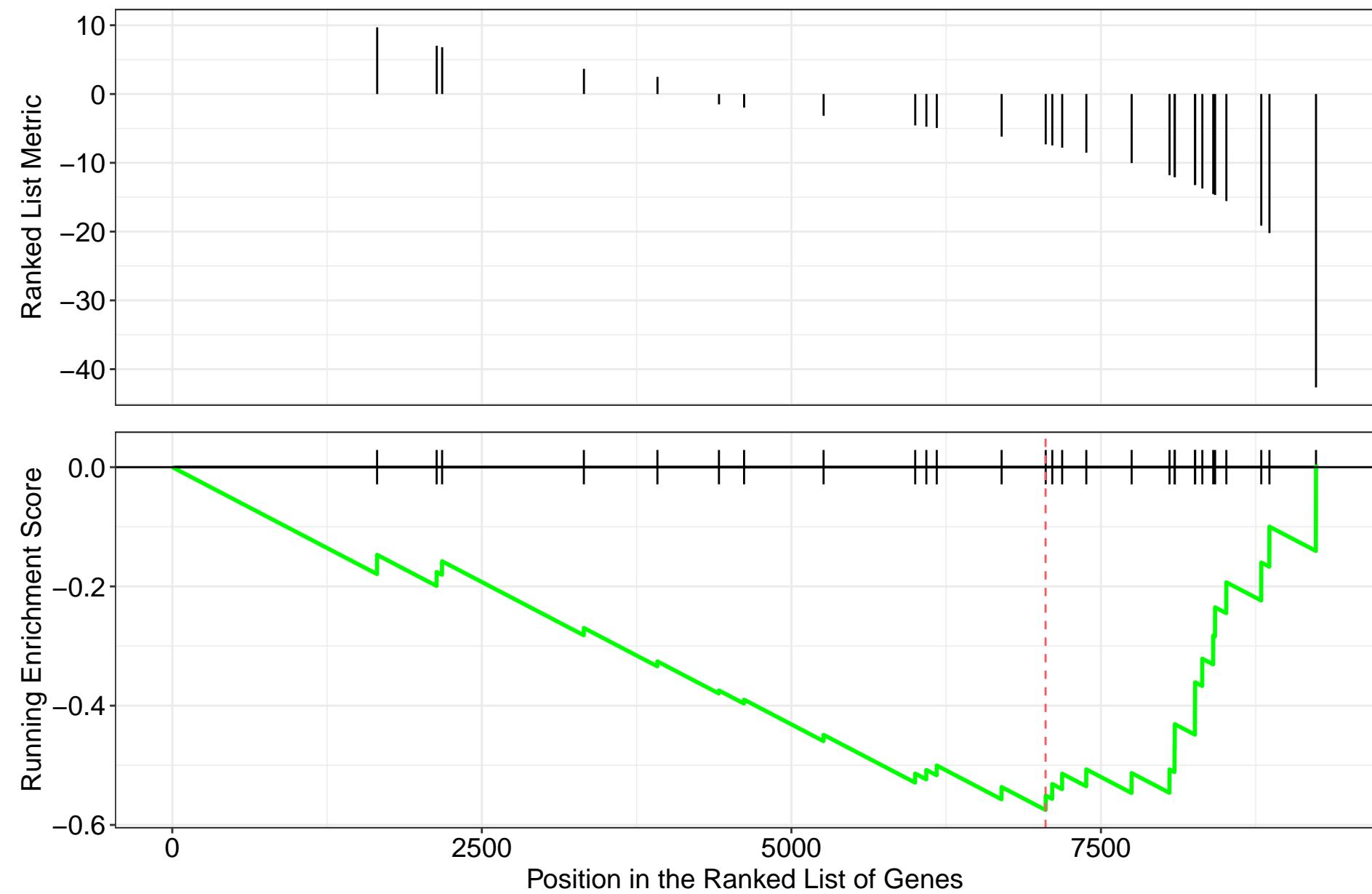
glial cell proliferation



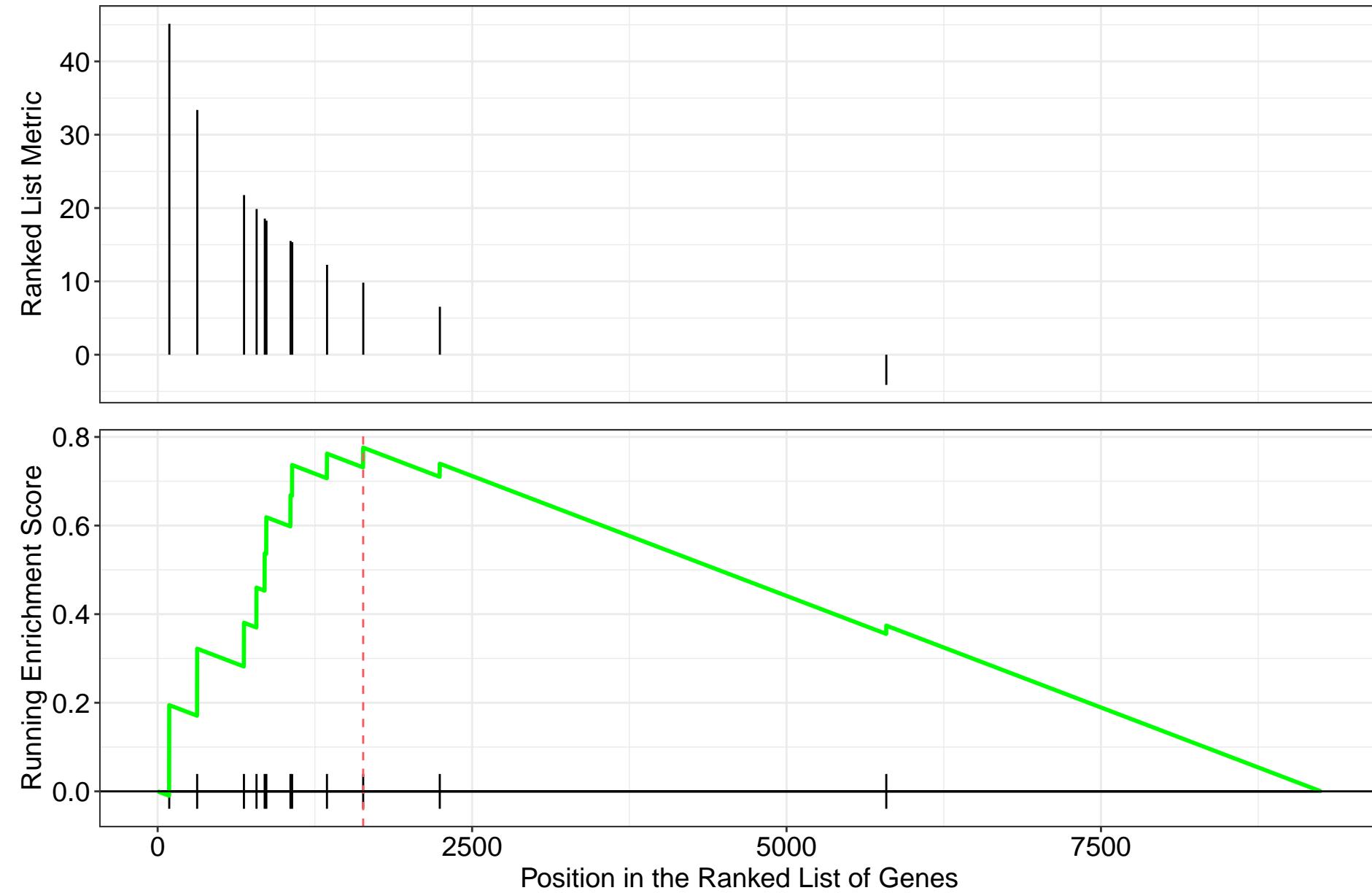
spindle elongation



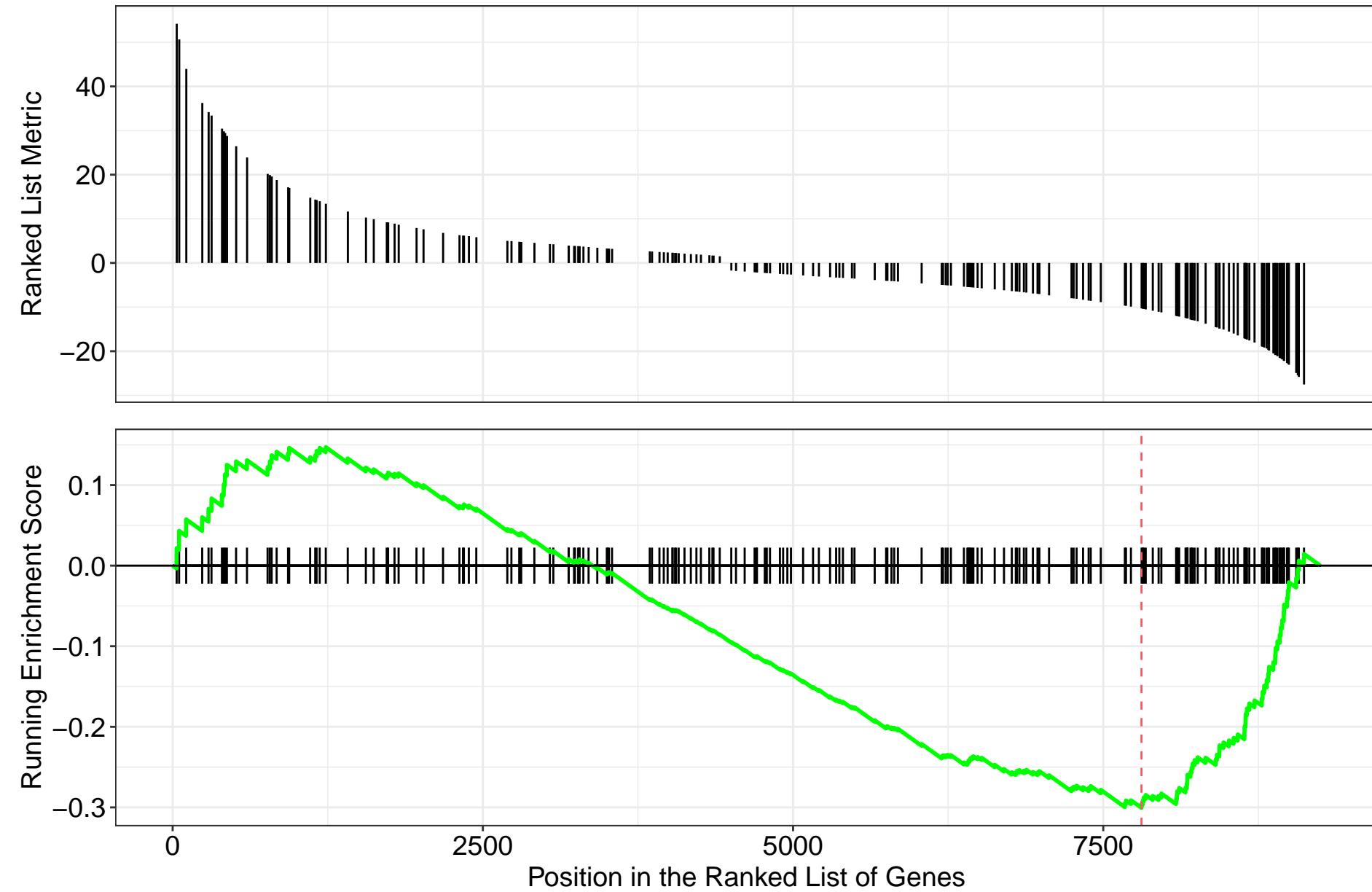
homologous recombination



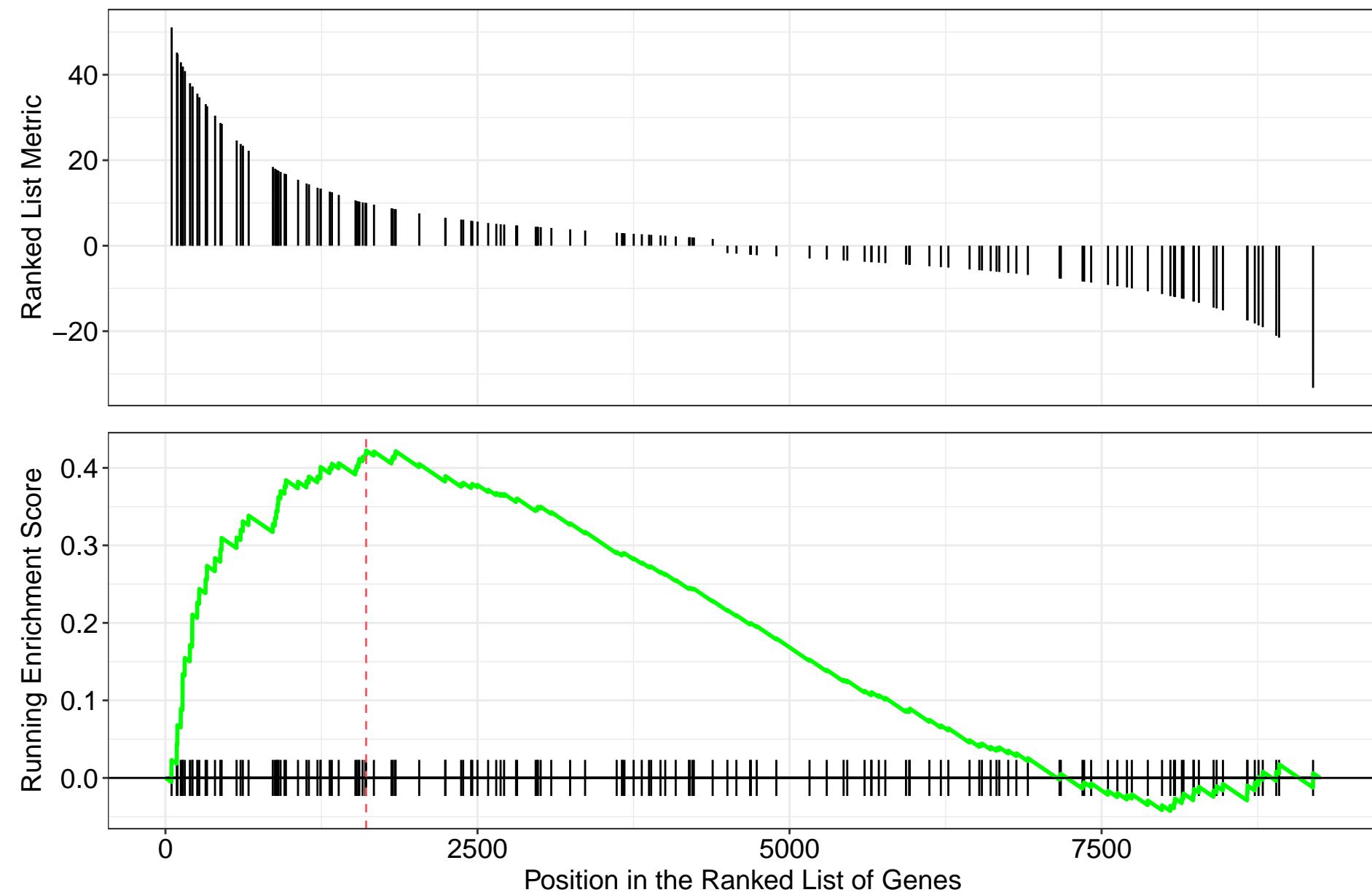
regulation of ribonuclease activity



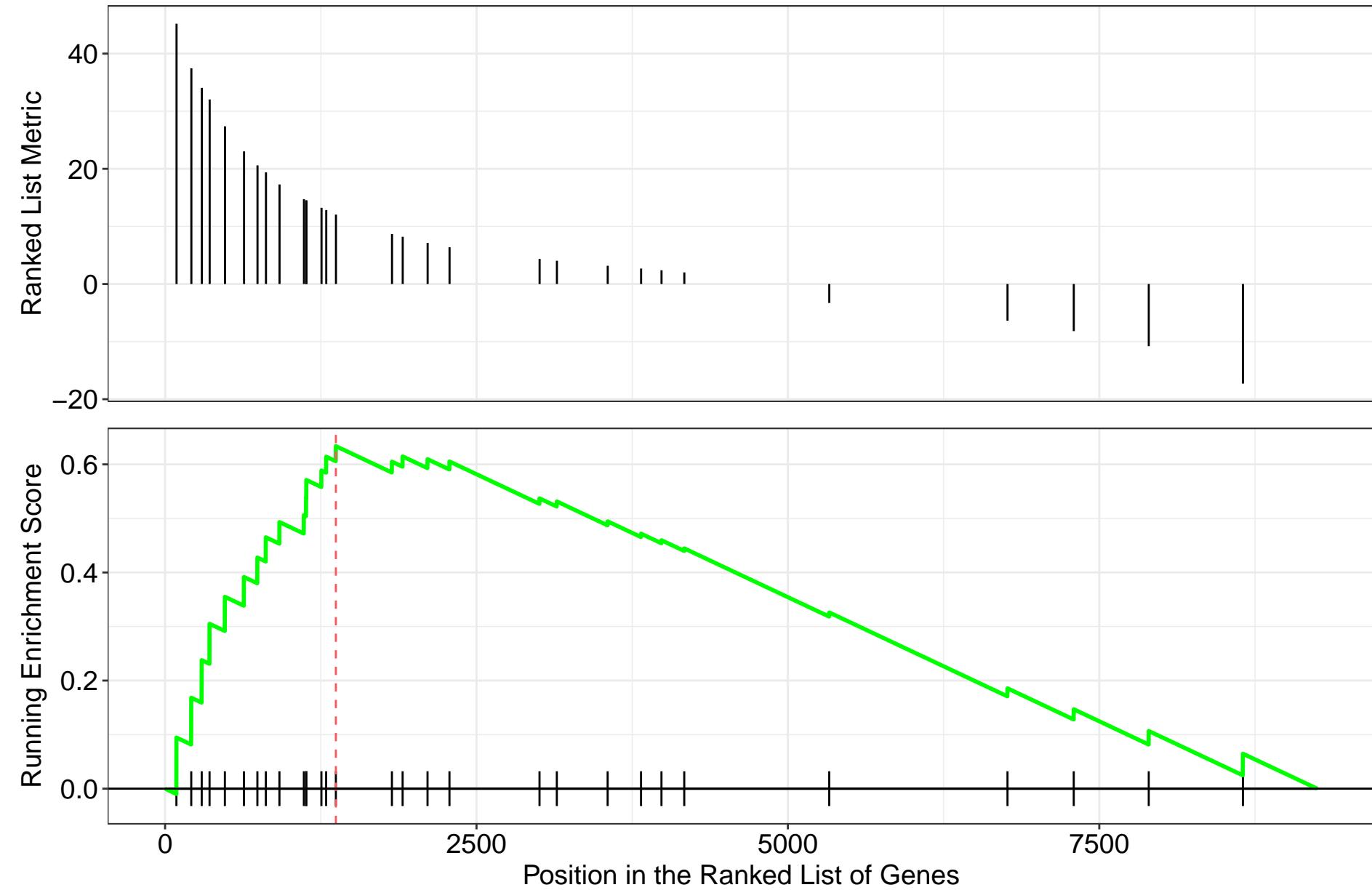
positive regulation of cell cycle



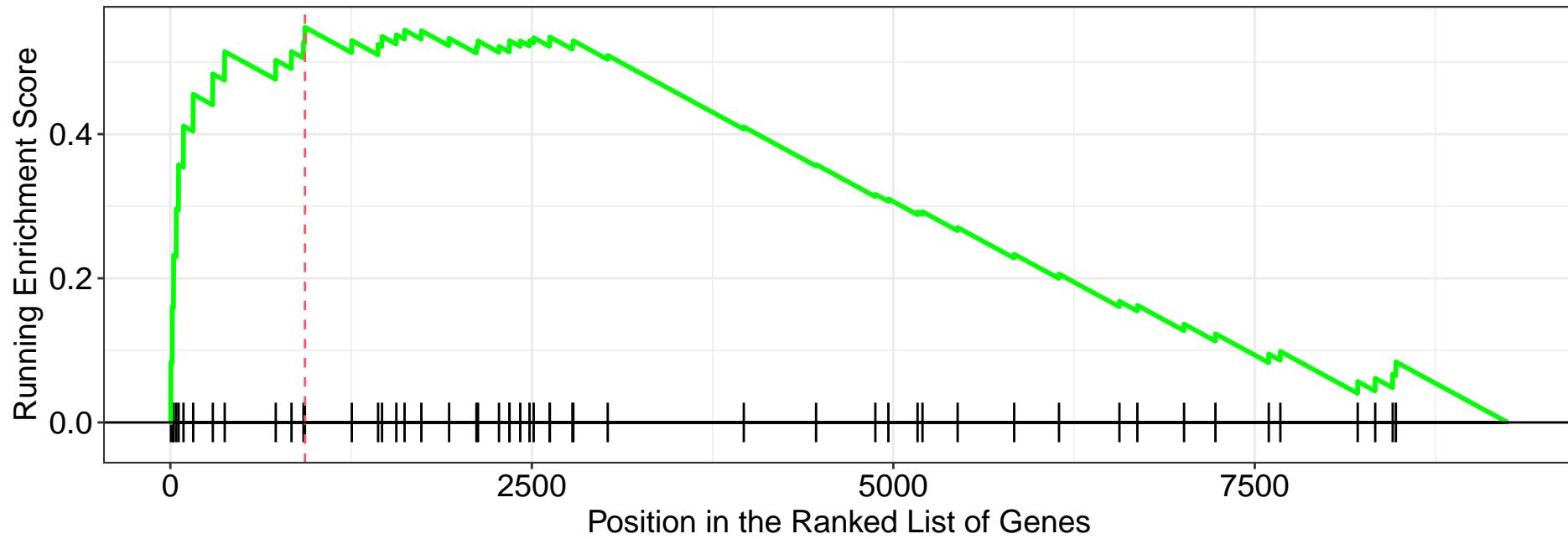
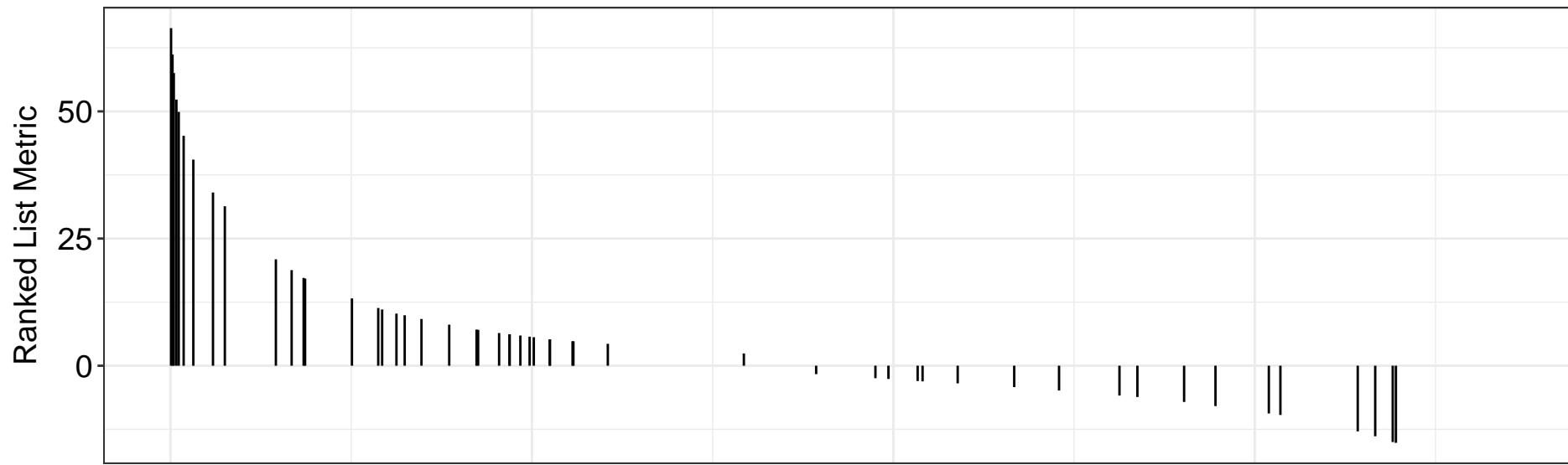
negative regulation of hydrolase activity



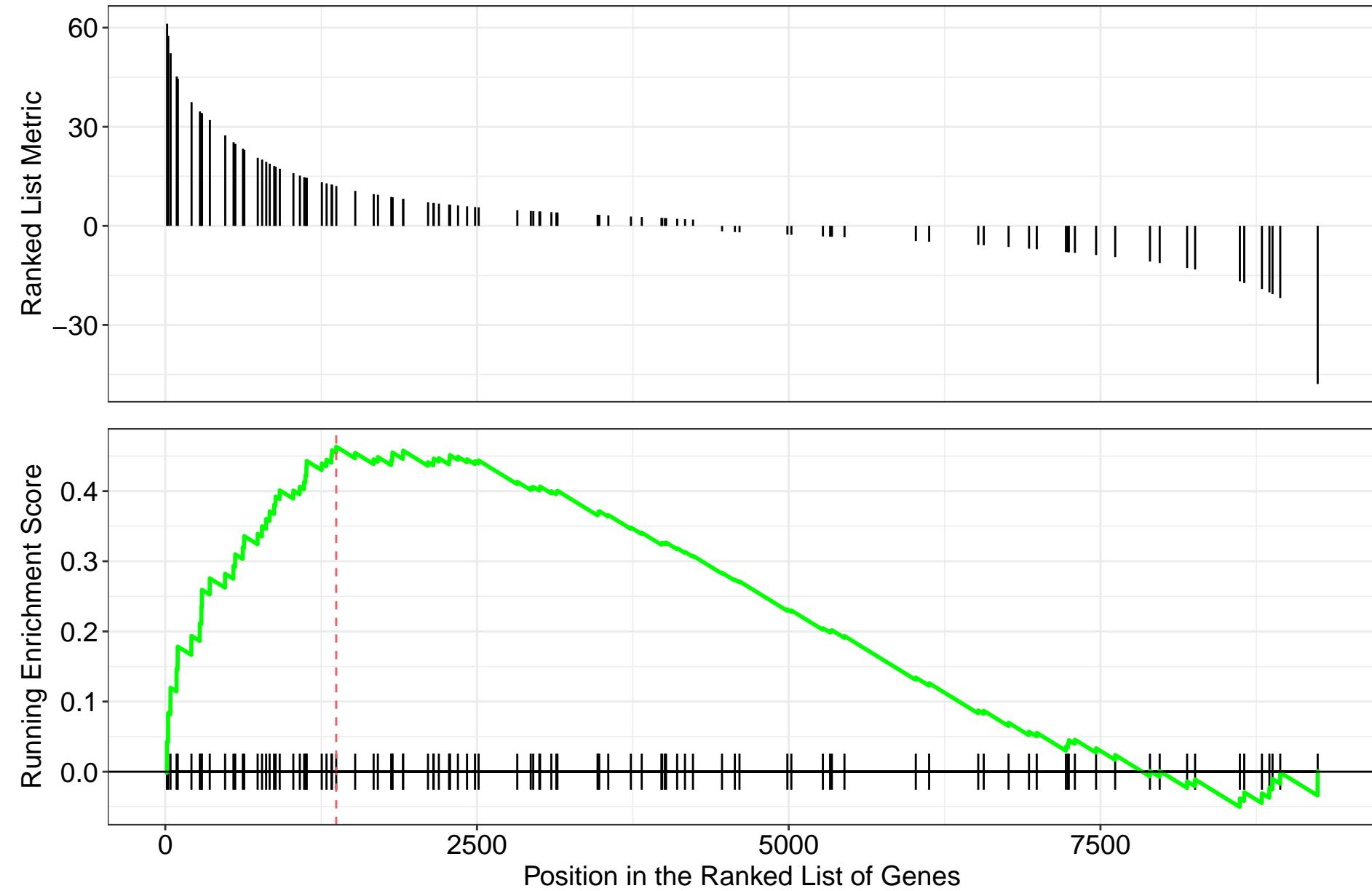
regulation of CD4-positive, alpha-beta T cell differentiation



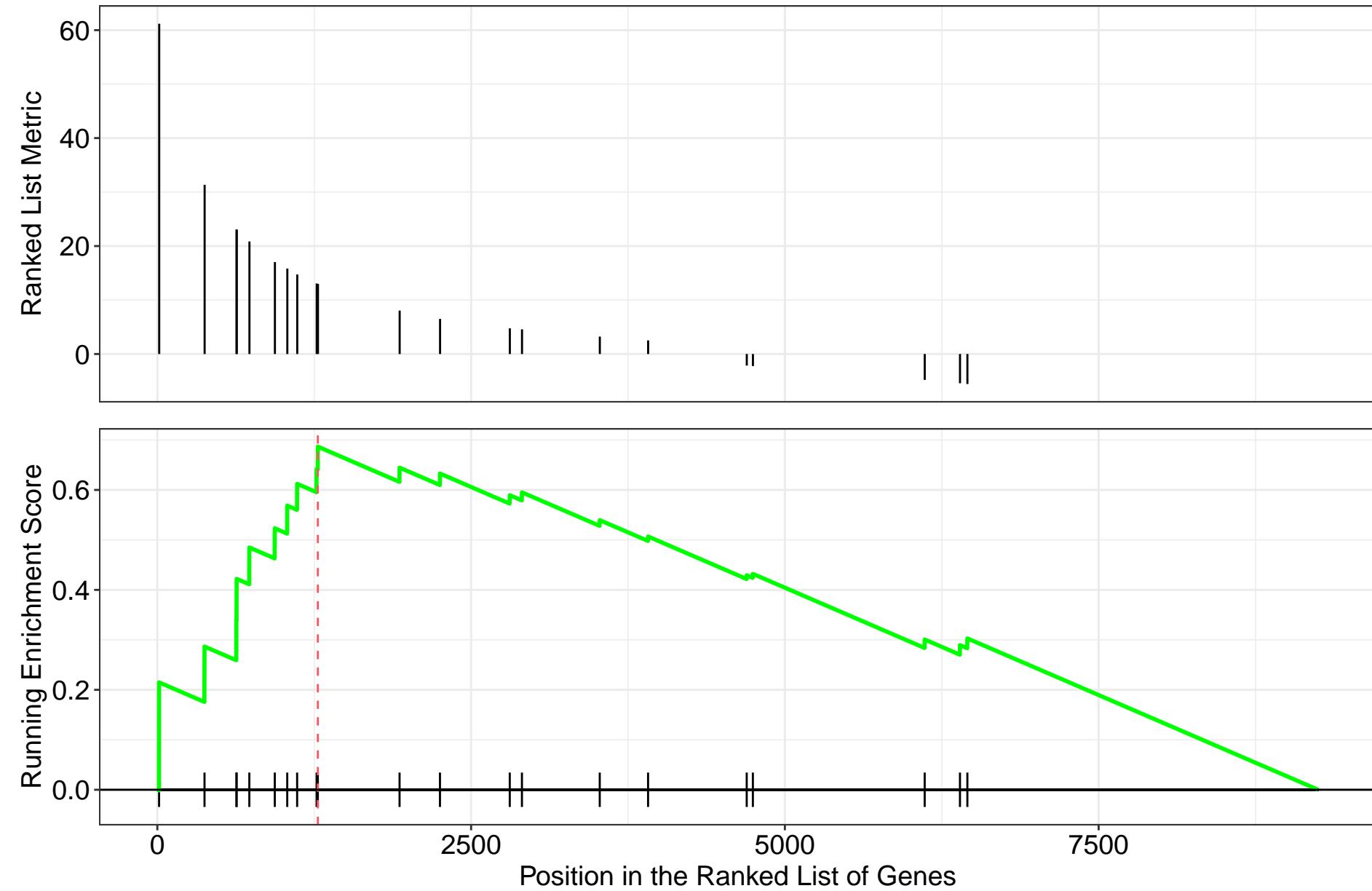
regulation of receptor signaling pathway via STAT



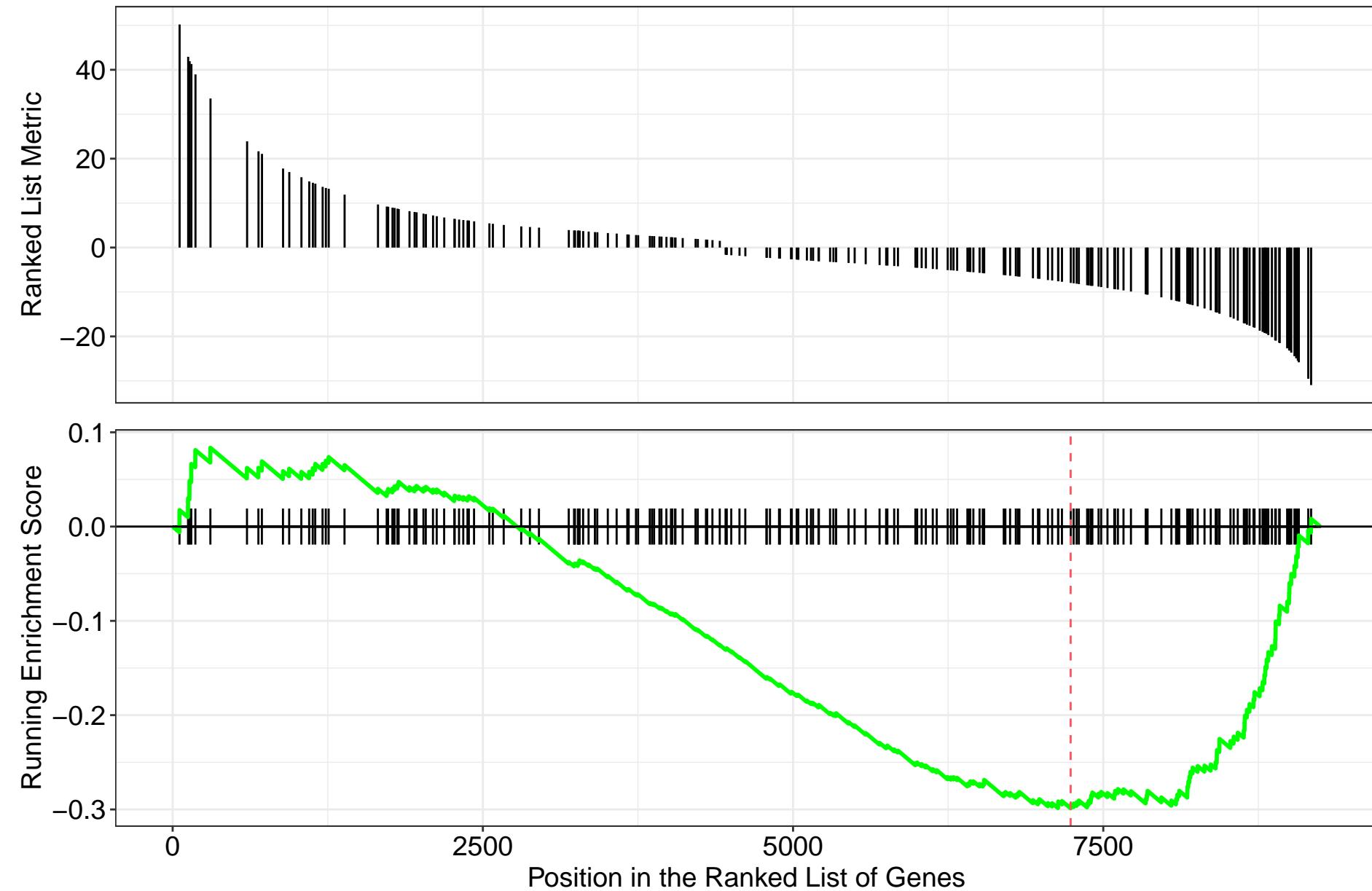
regulation of T cell differentiation



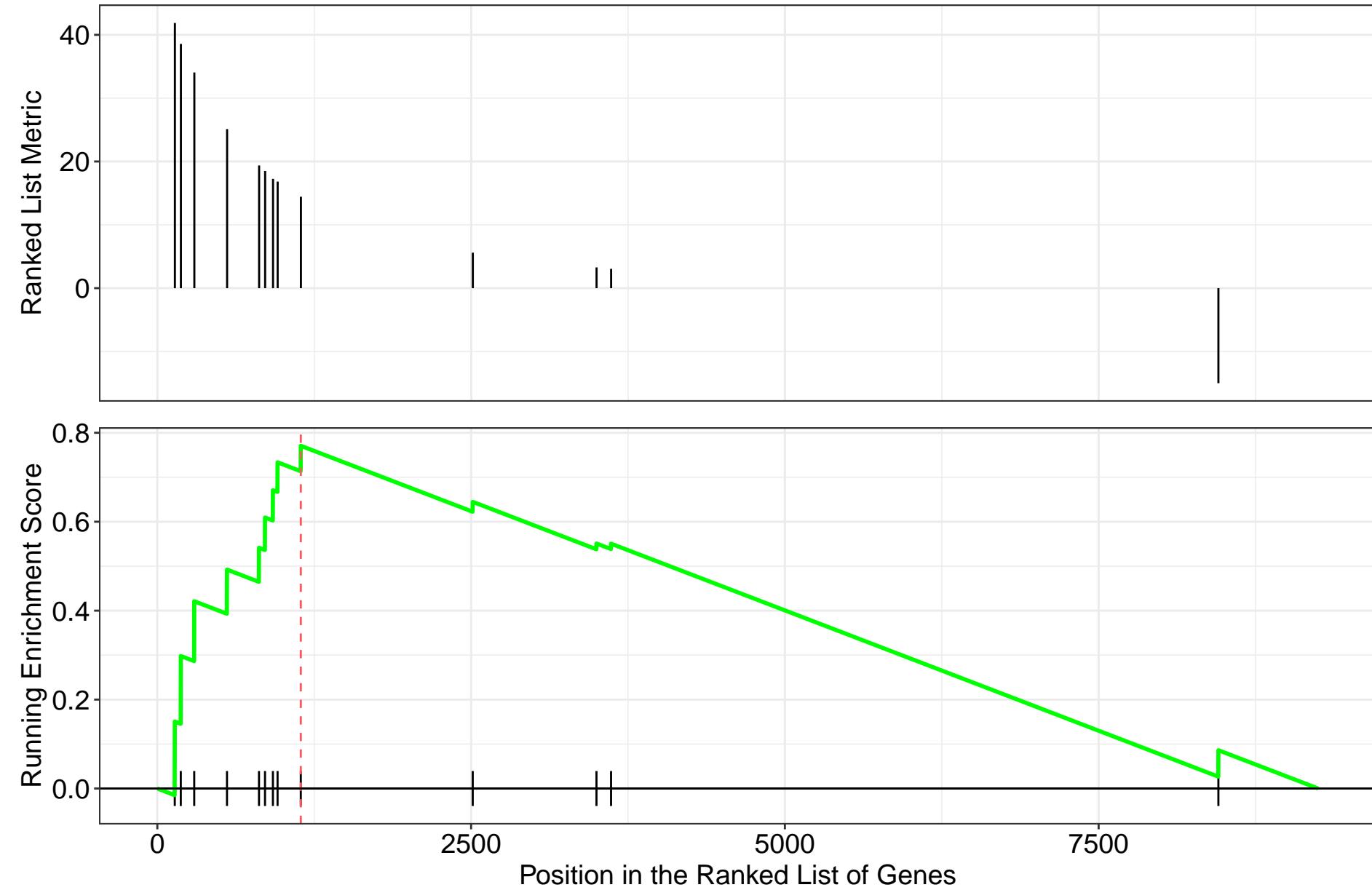
response to exogenous dsRNA



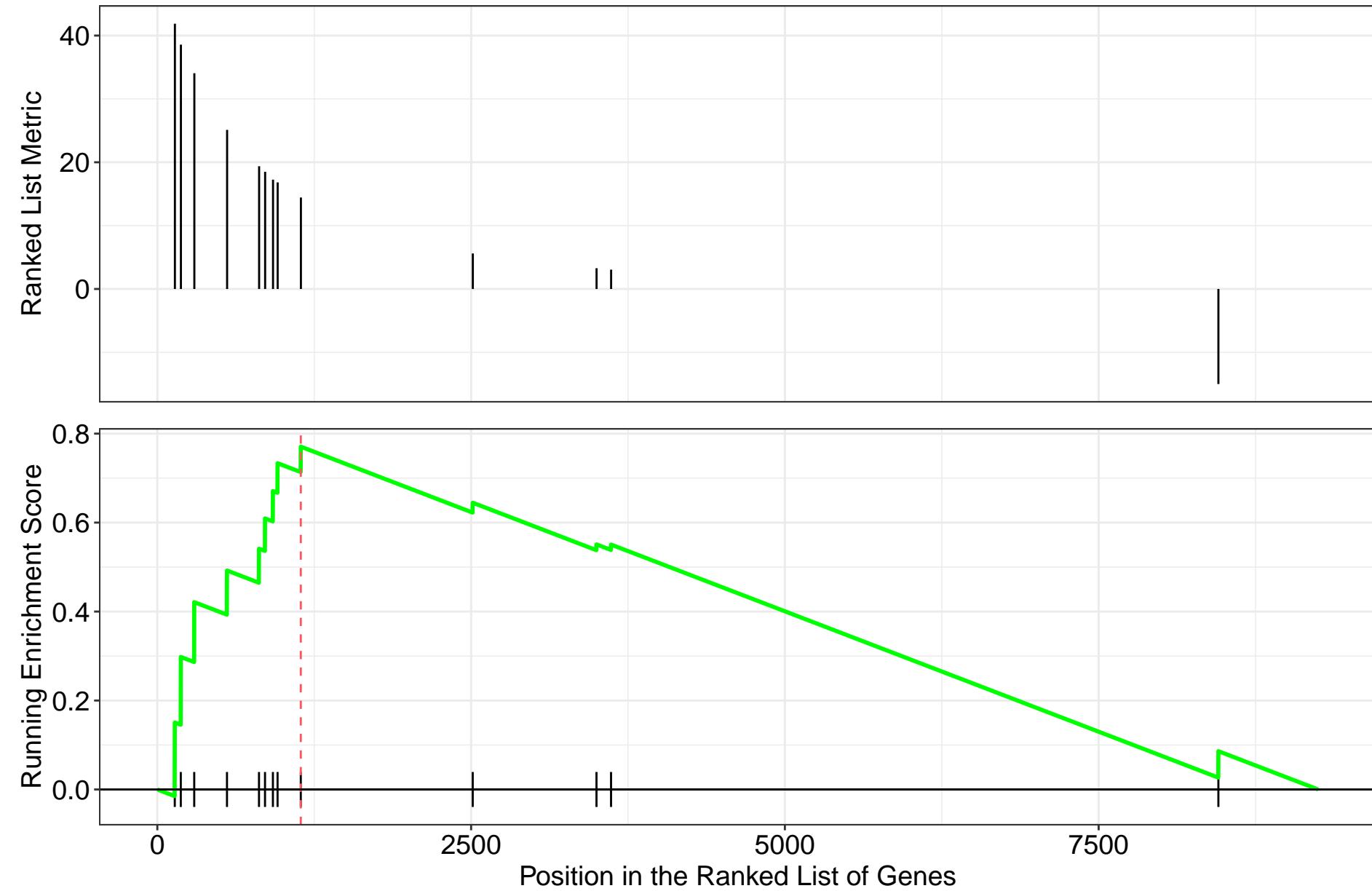
regulation of mitotic cell cycle phase transition



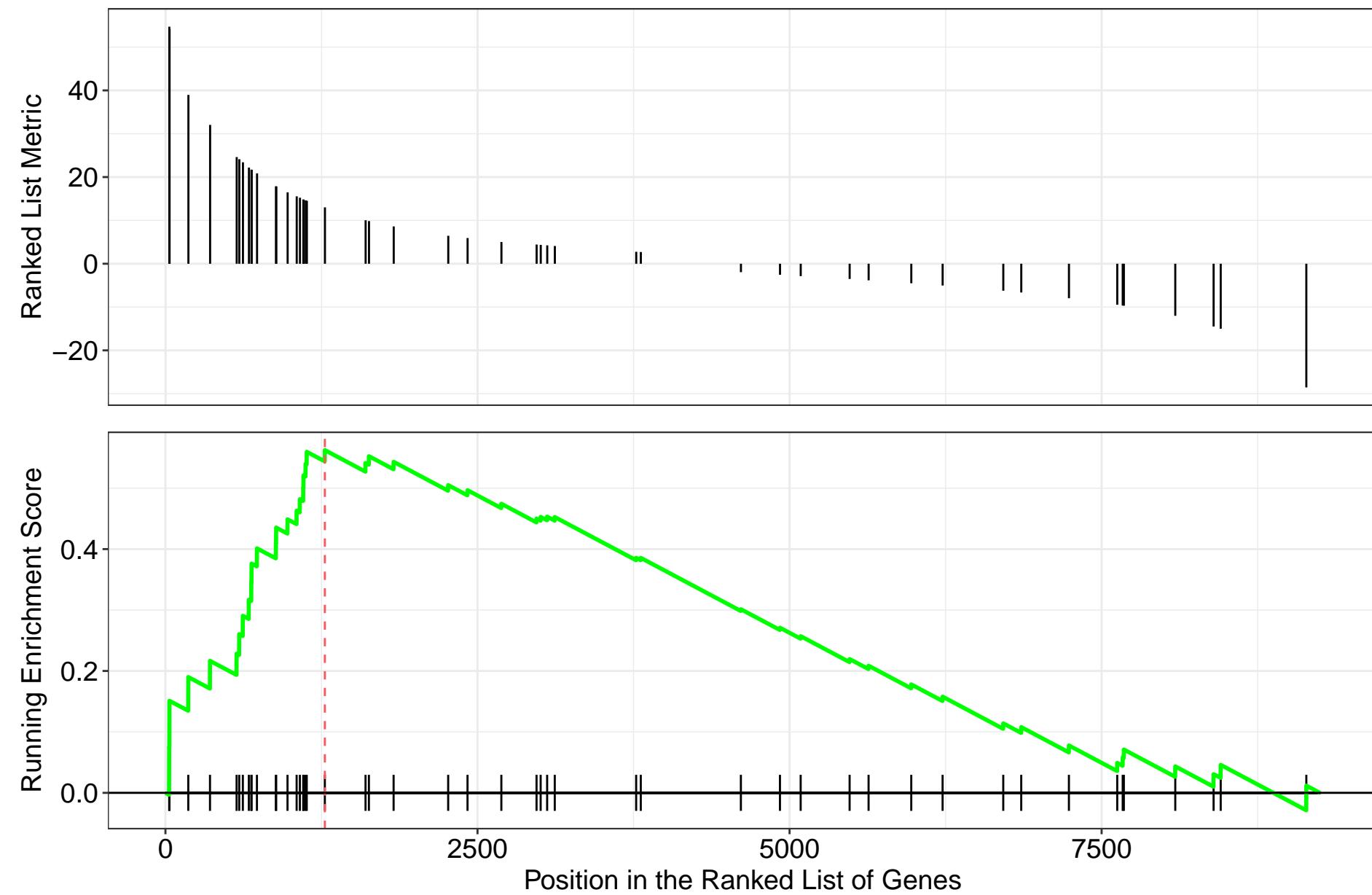
regulation of response to interferon-gamma



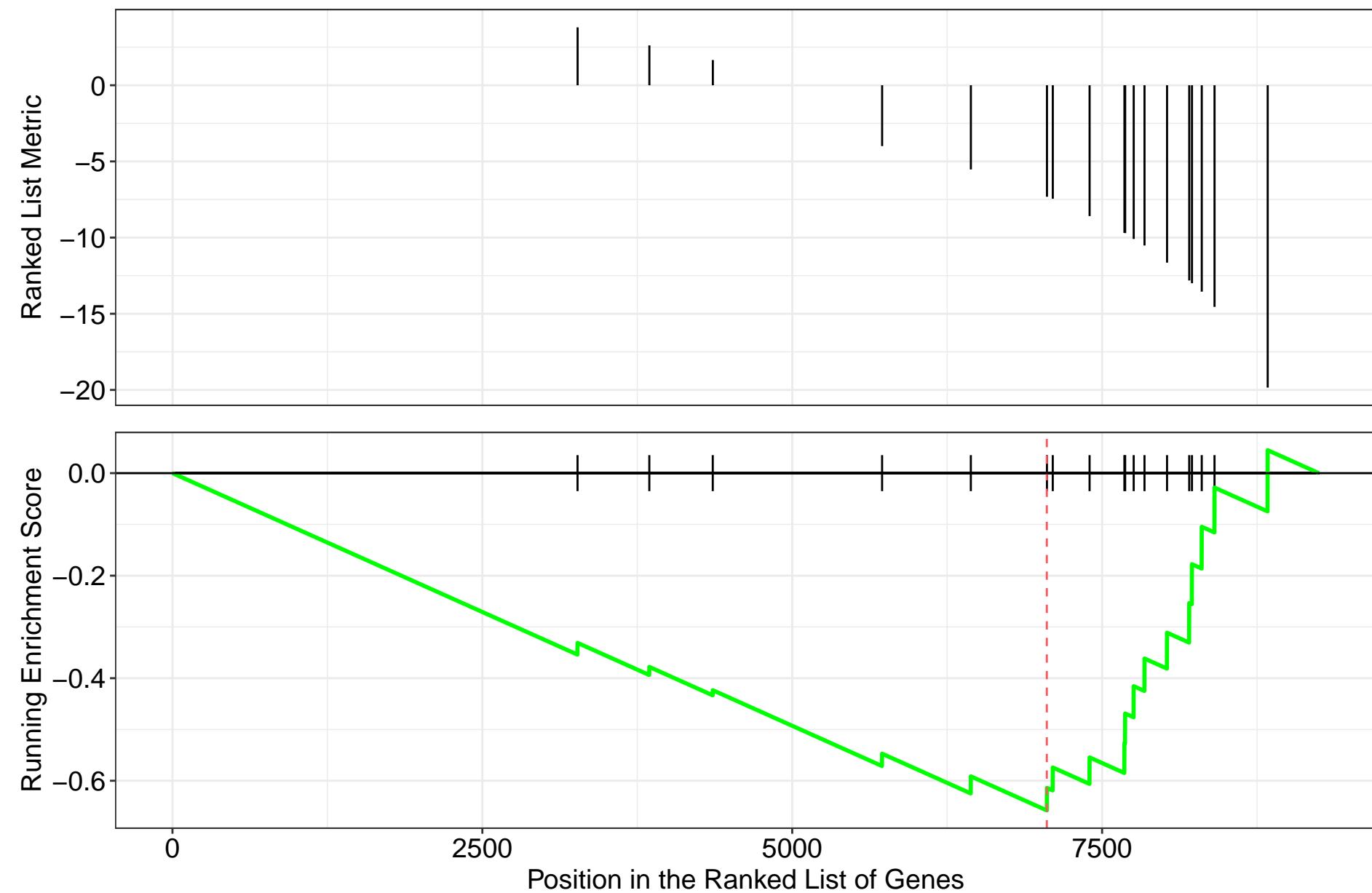
regulation of interferon-gamma-mediated signaling pathway



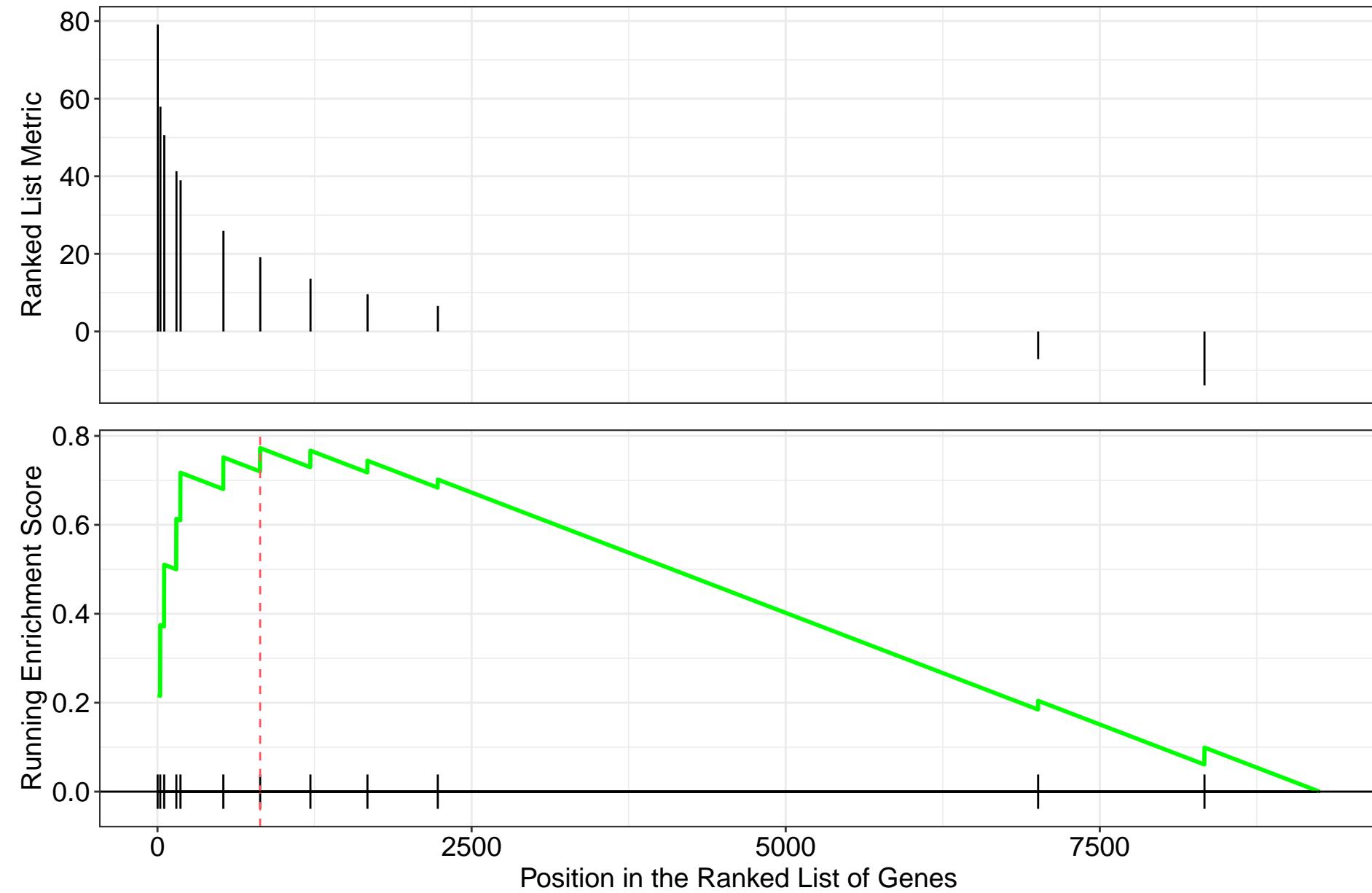
positive regulation of phagocytosis



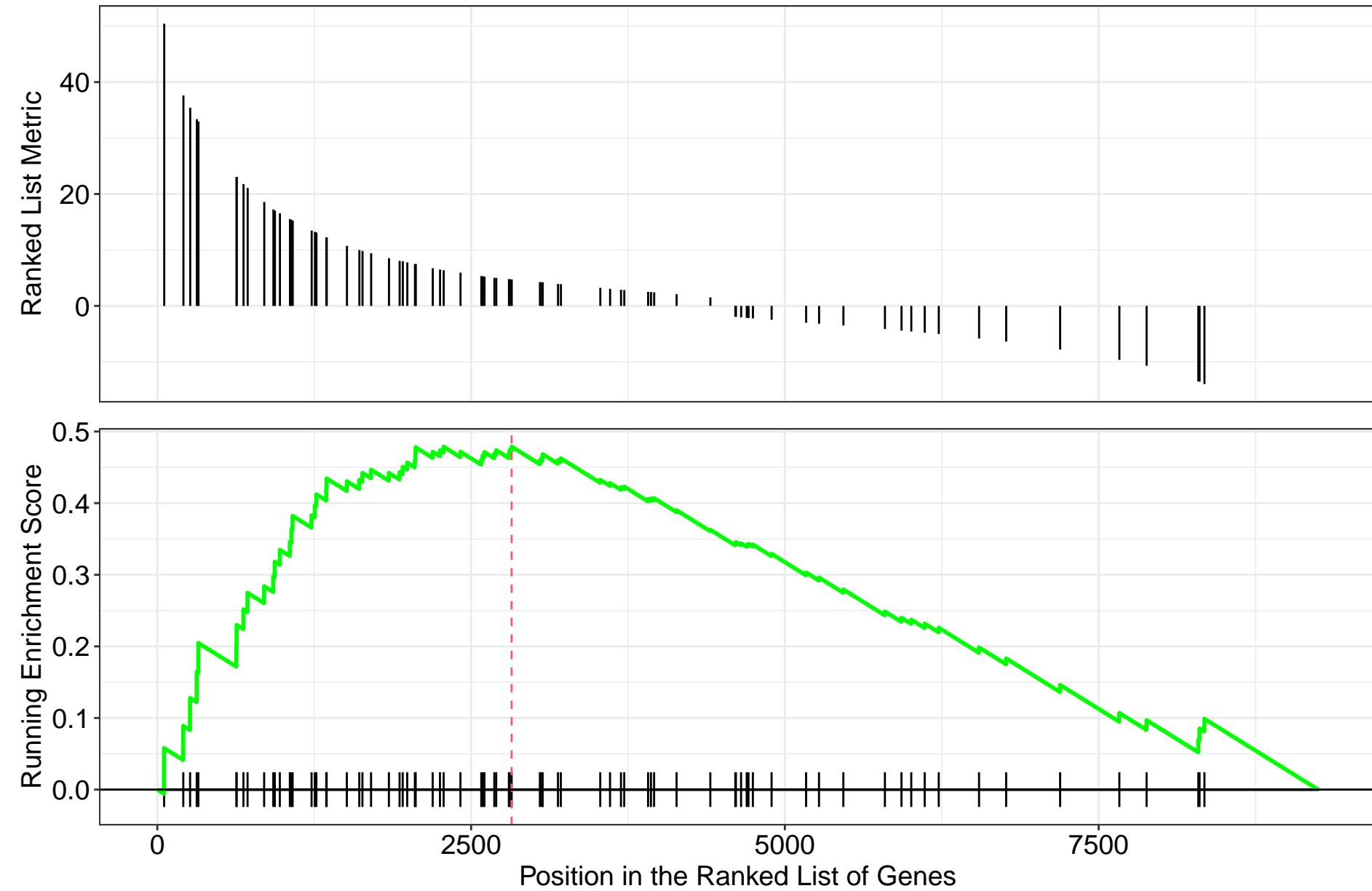
nuclear DNA replication



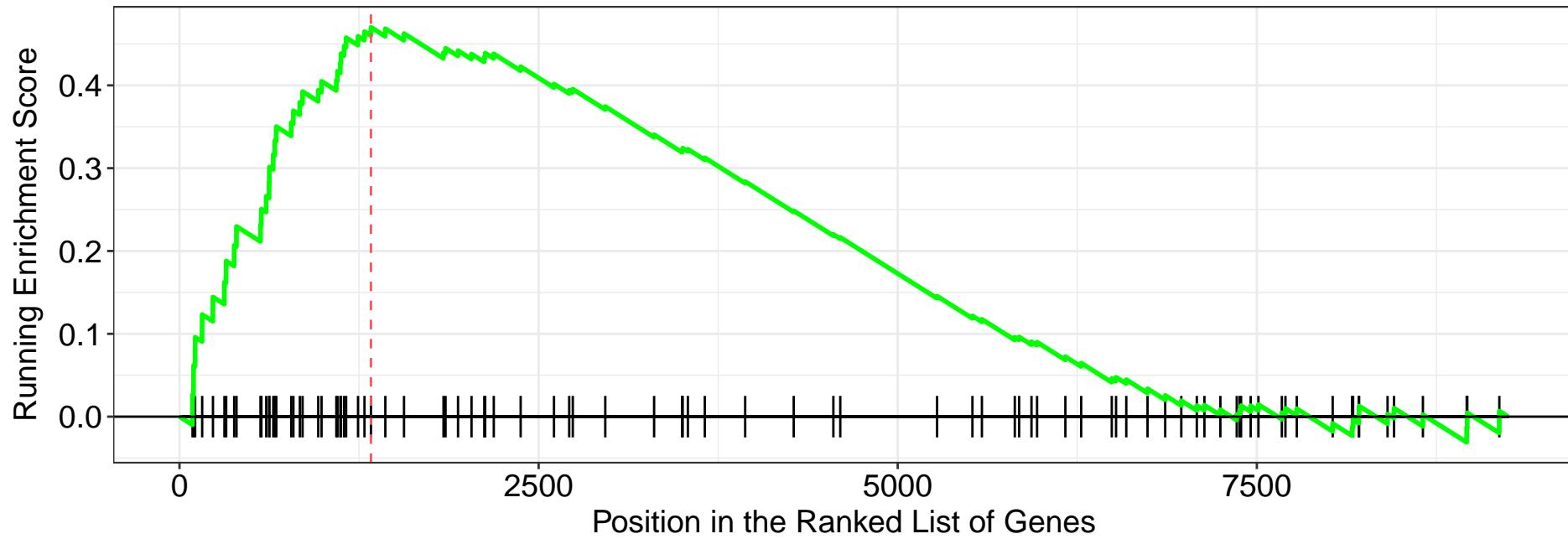
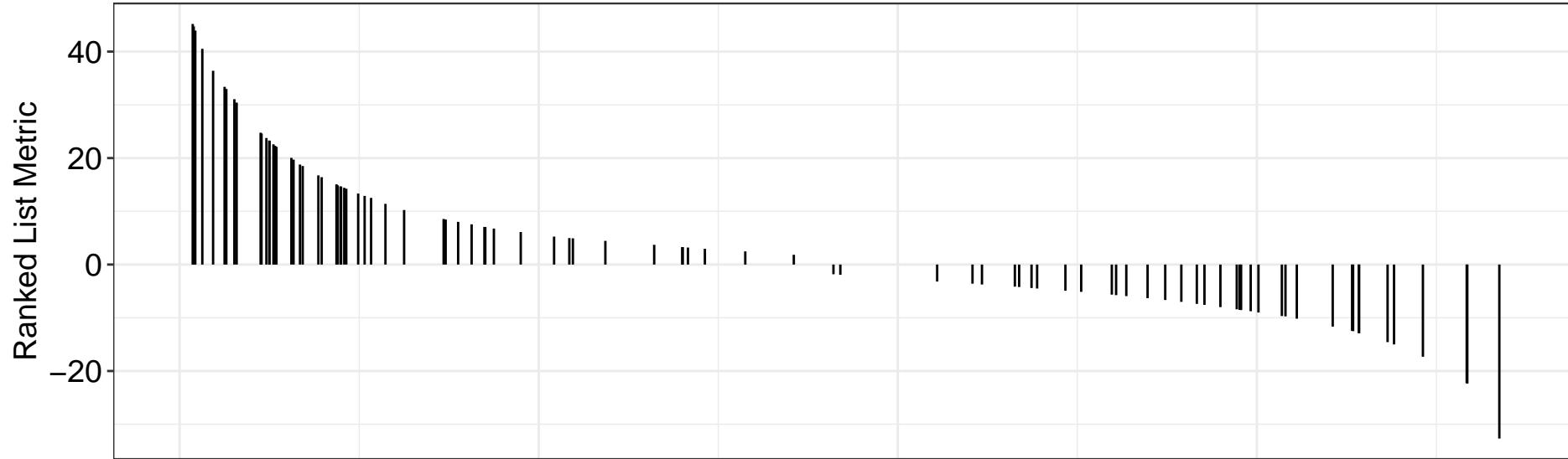
eosinophil migration



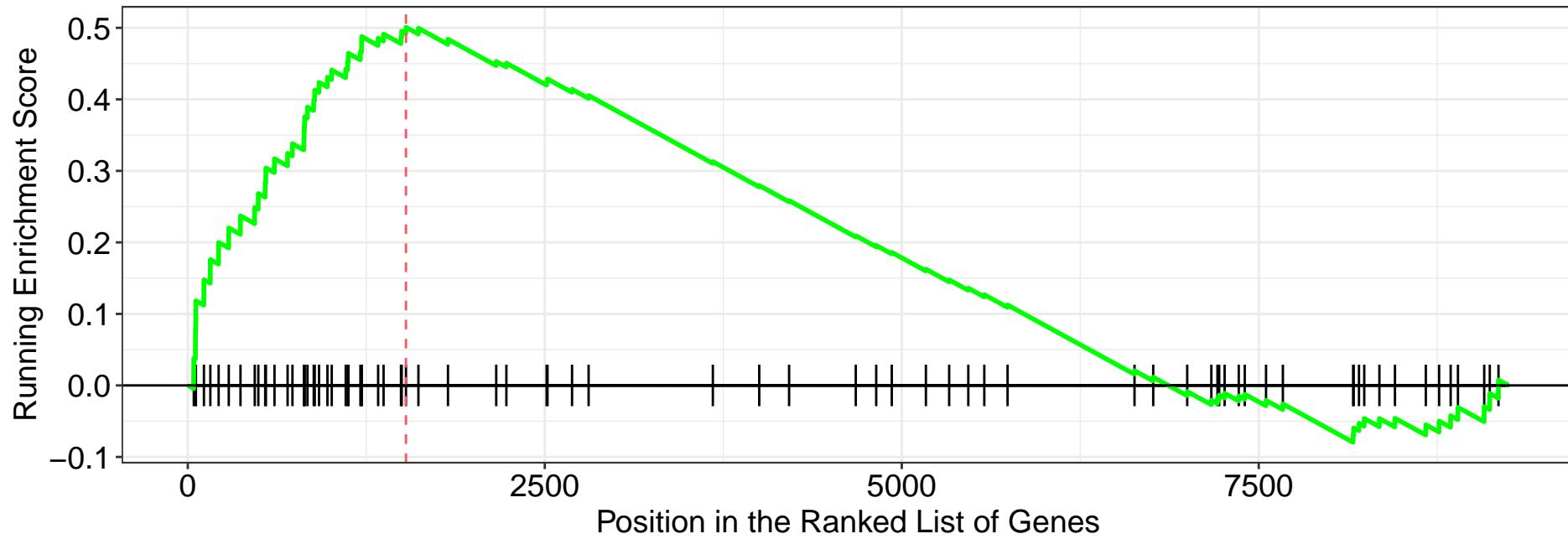
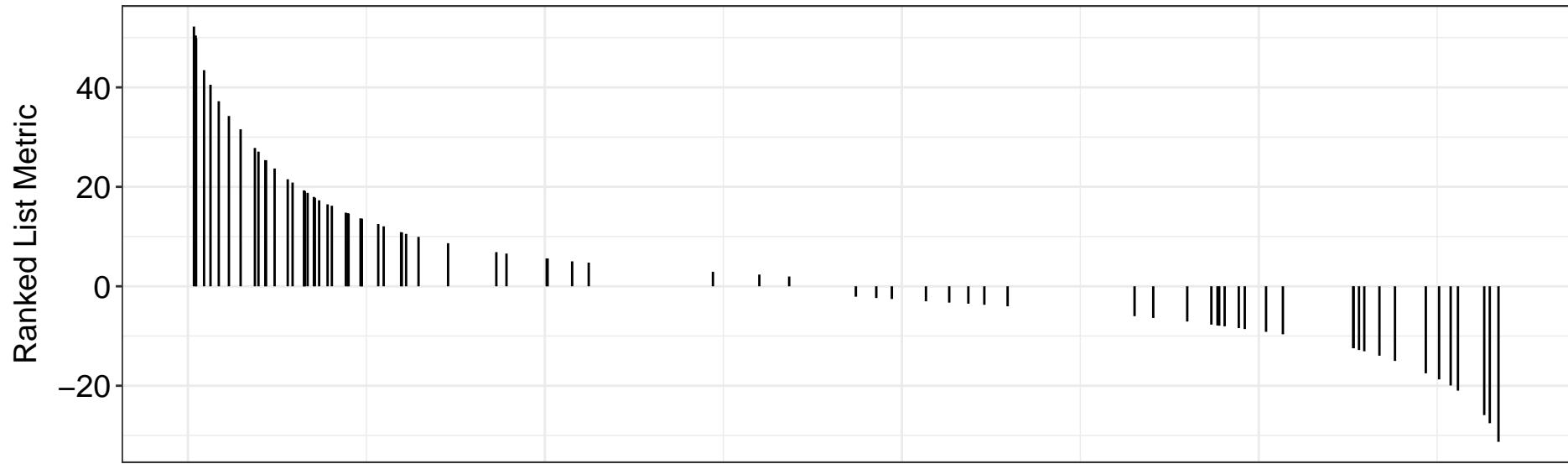
type I interferon production



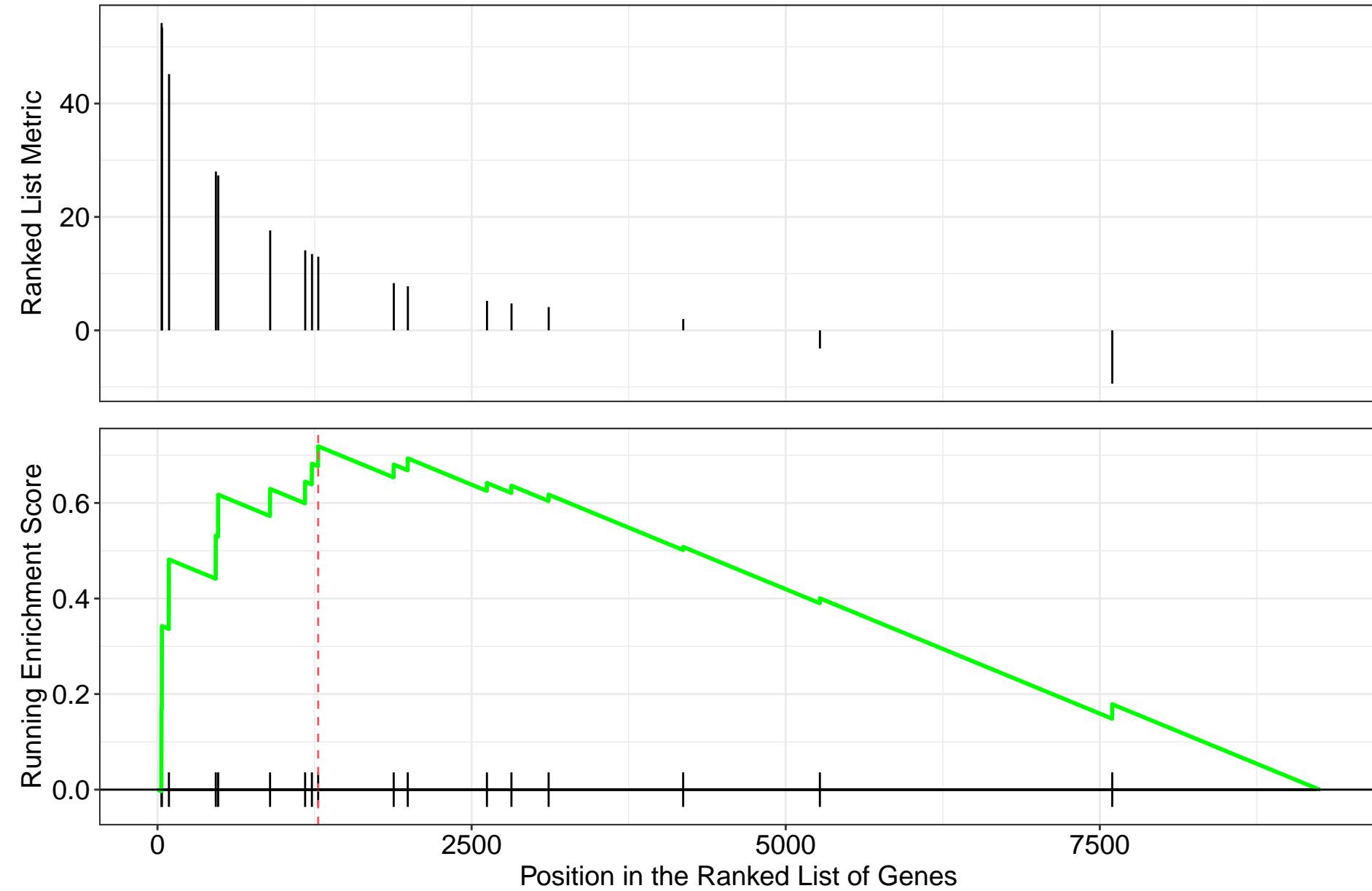
morphogenesis of a branching epithelium



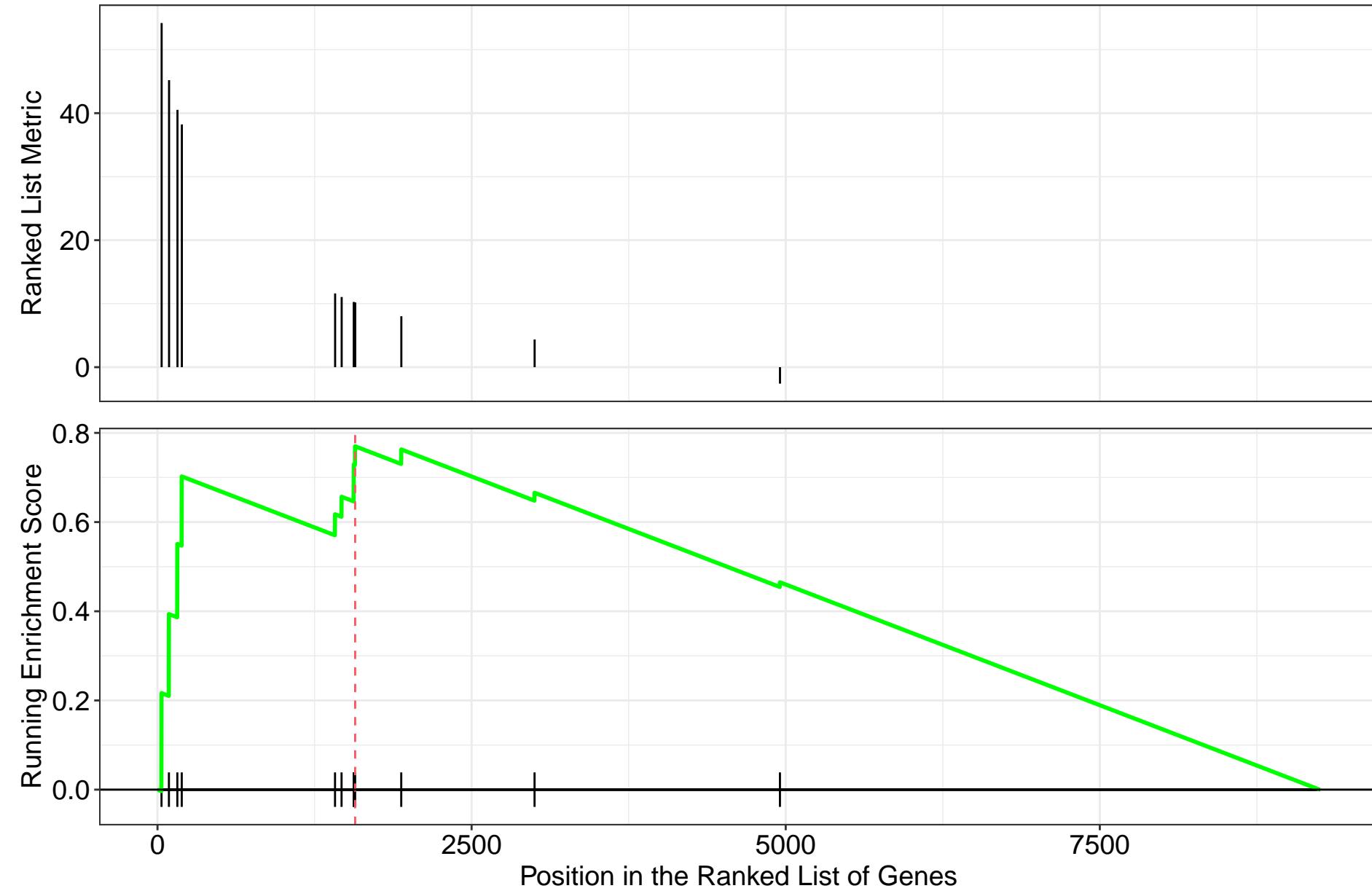
negative regulation of inflammatory response



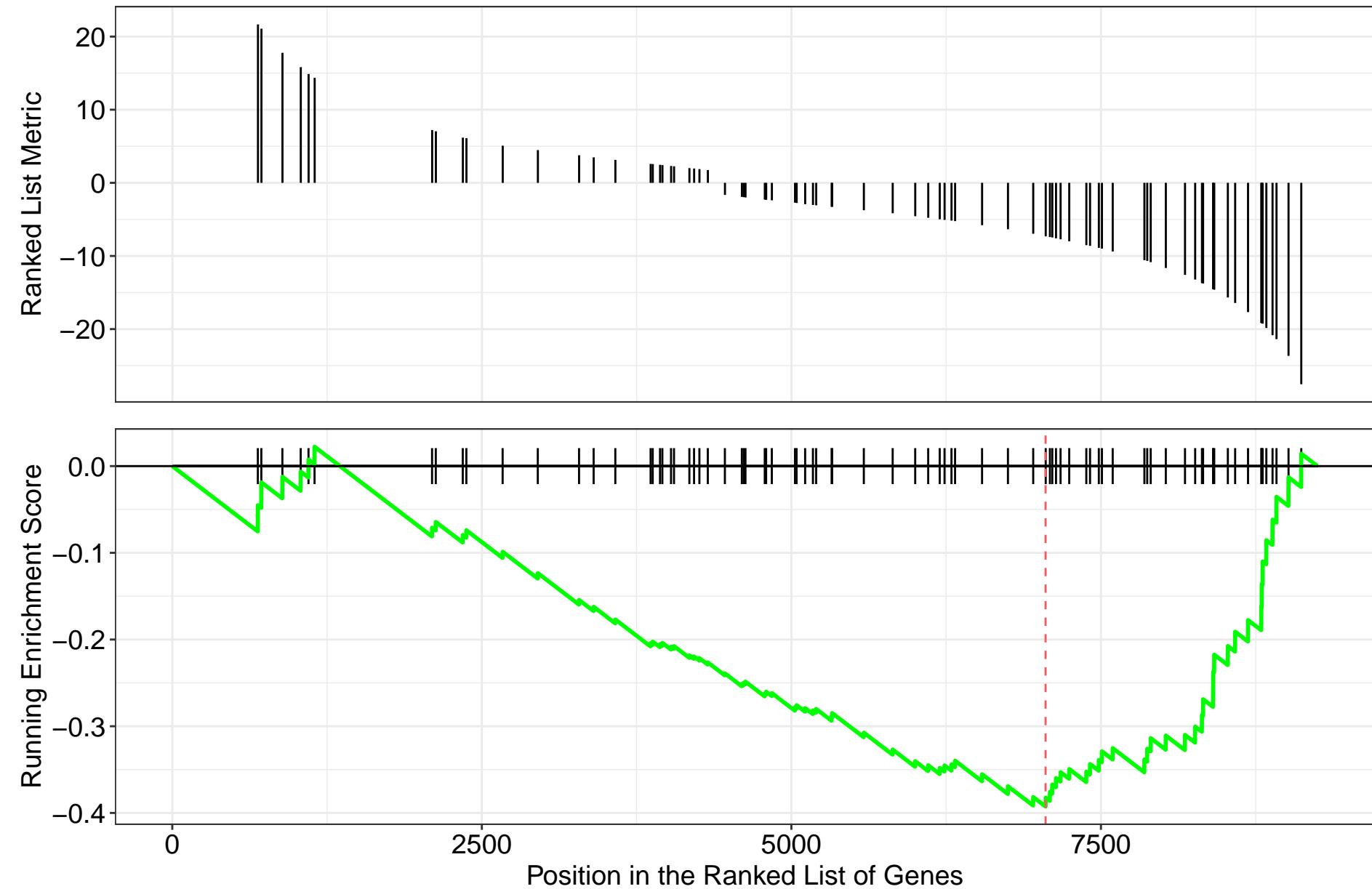
interleukin–1–mediated signaling pathway



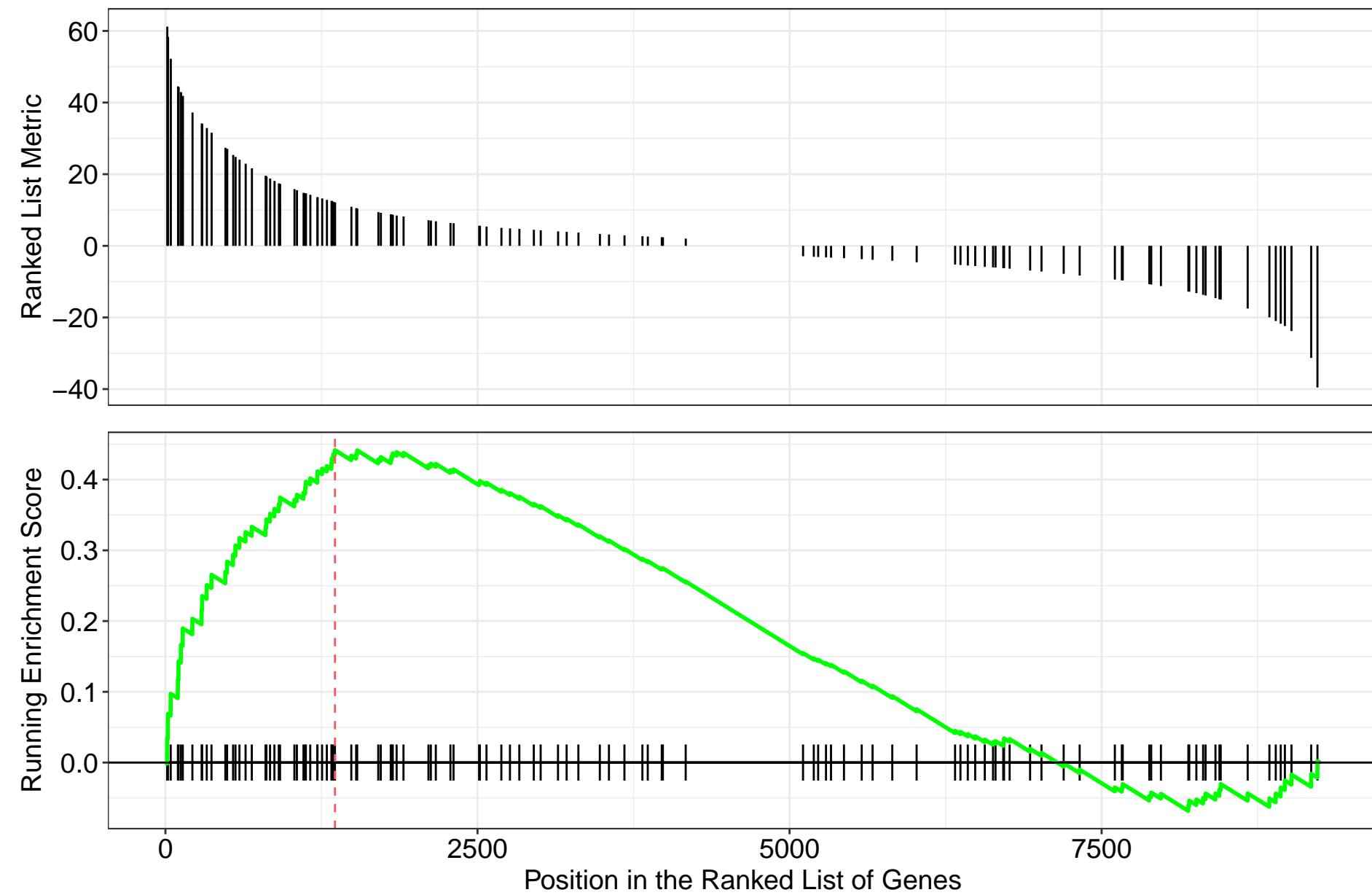
cellular response to interleukin-17



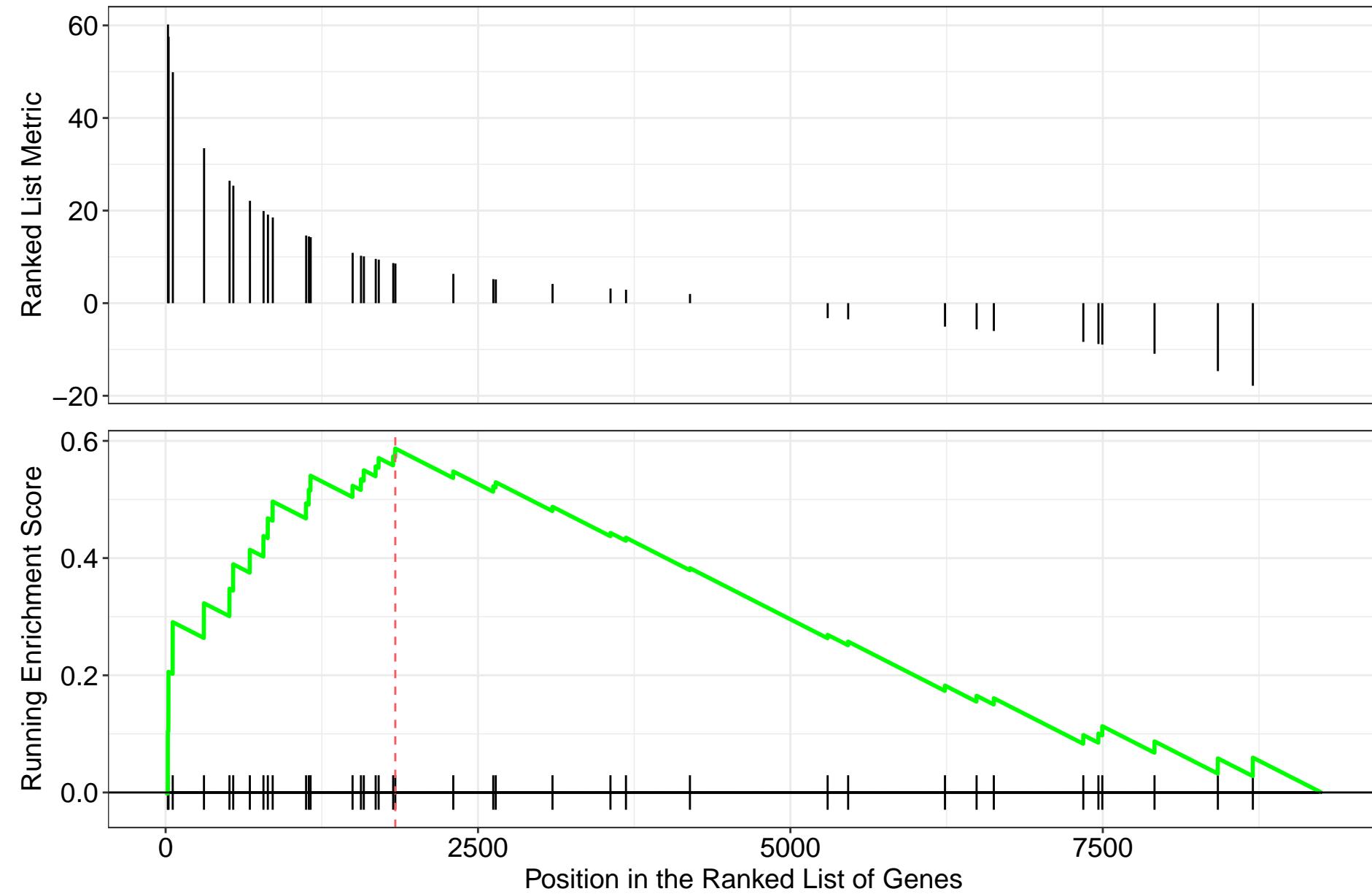
DNA integrity checkpoint signaling



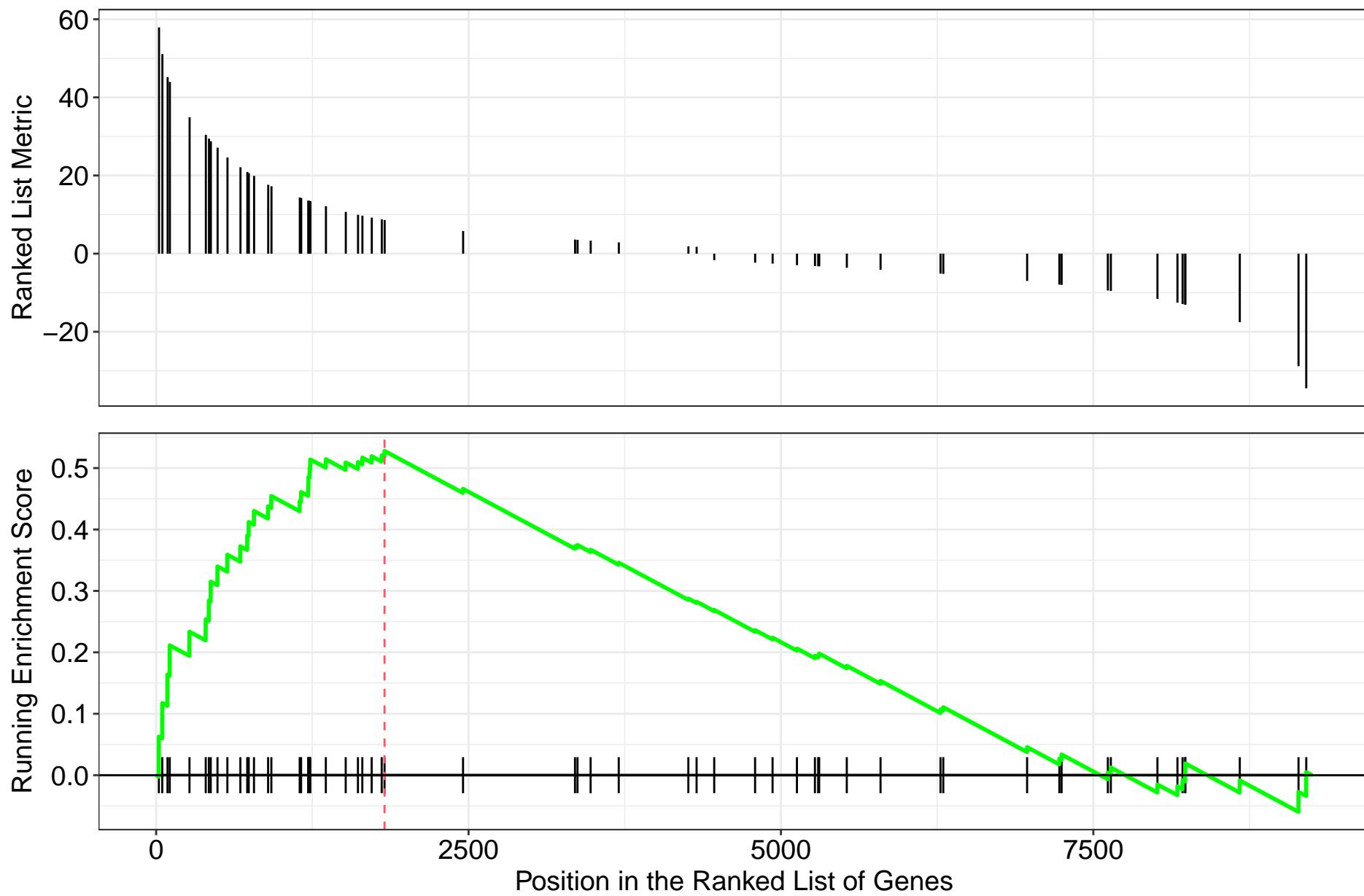
negative regulation of cell activation



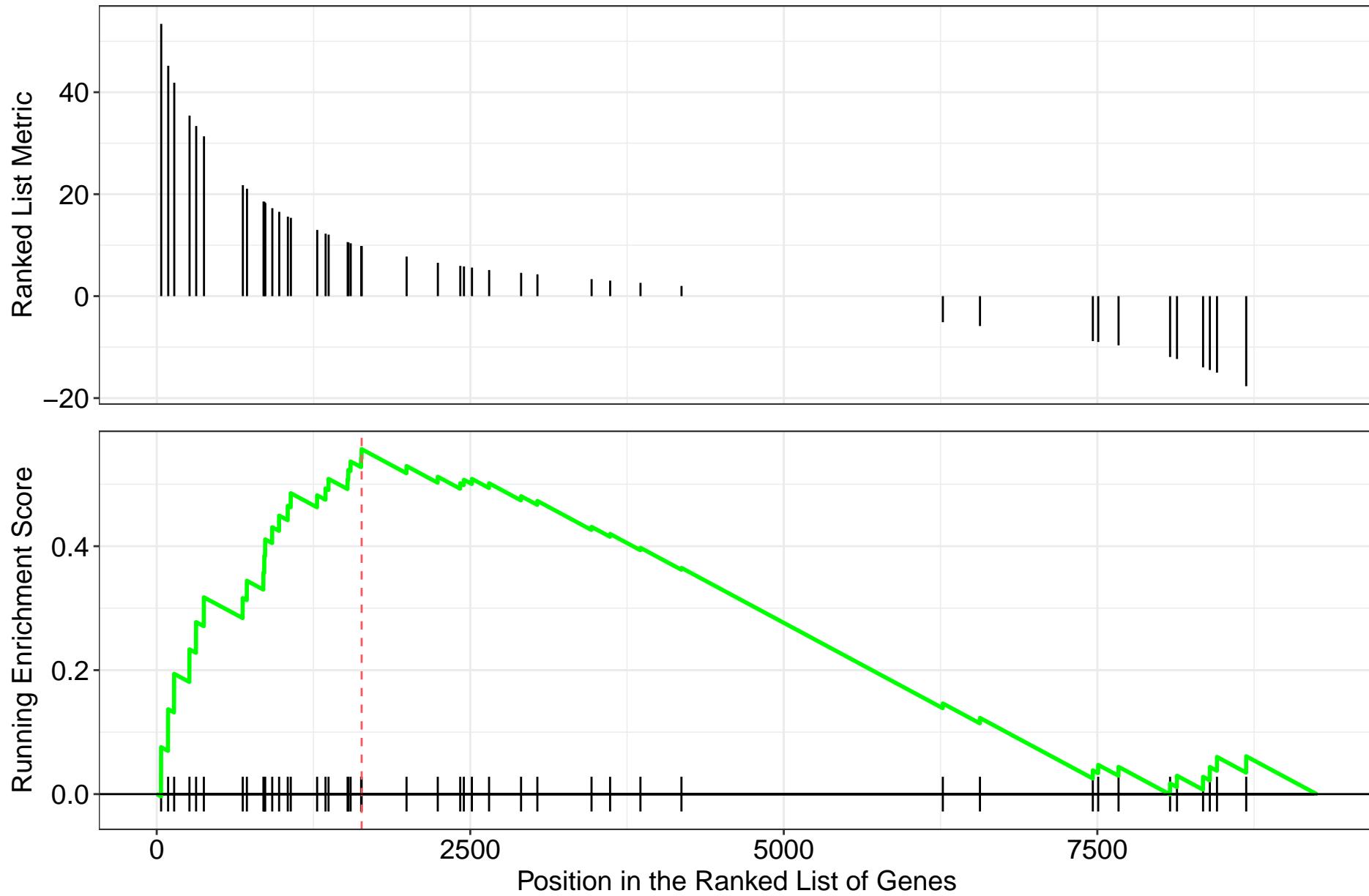
cellular response to vascular endothelial growth factor stimulus



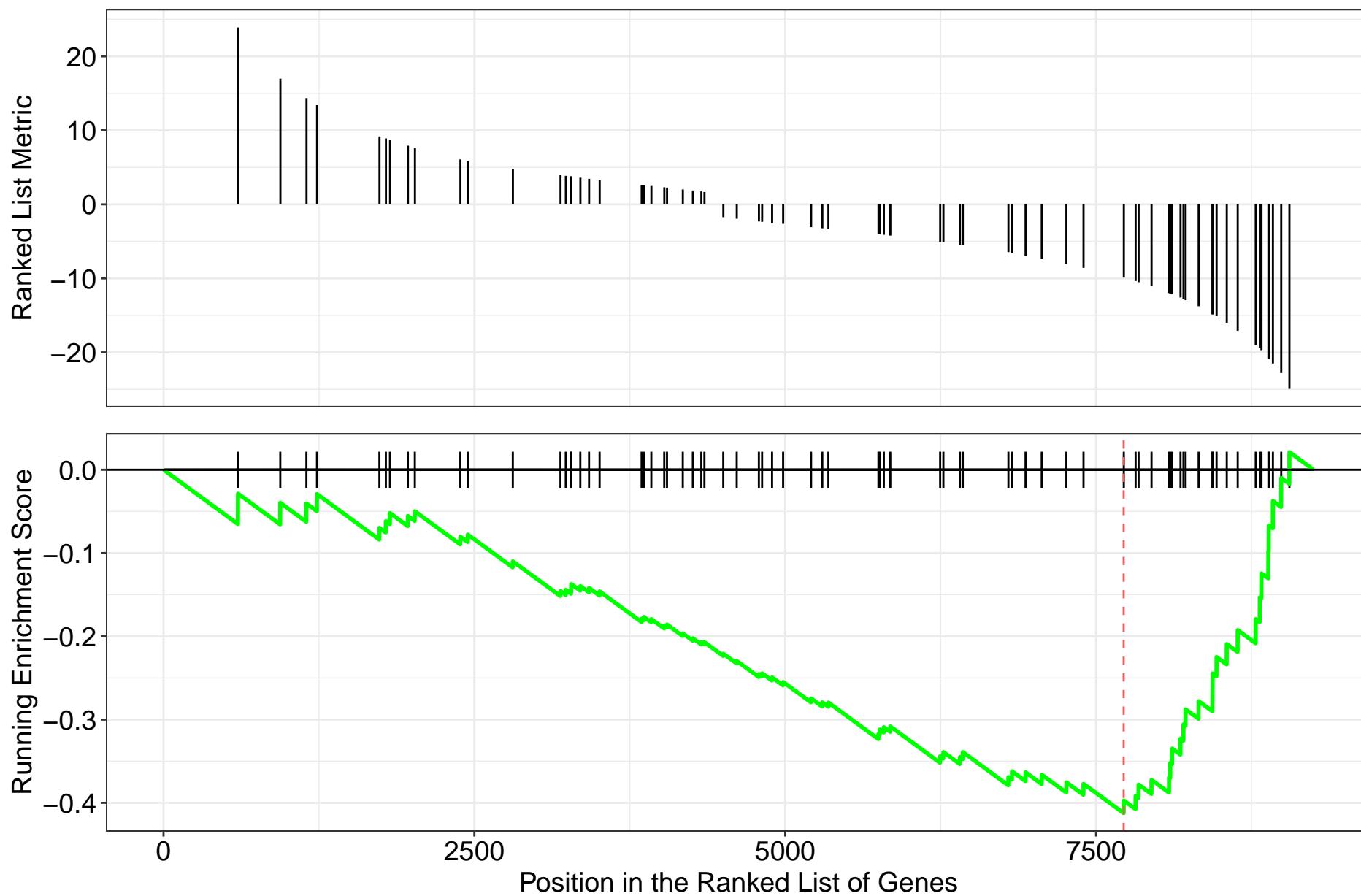
positive regulation of smooth muscle cell proliferation



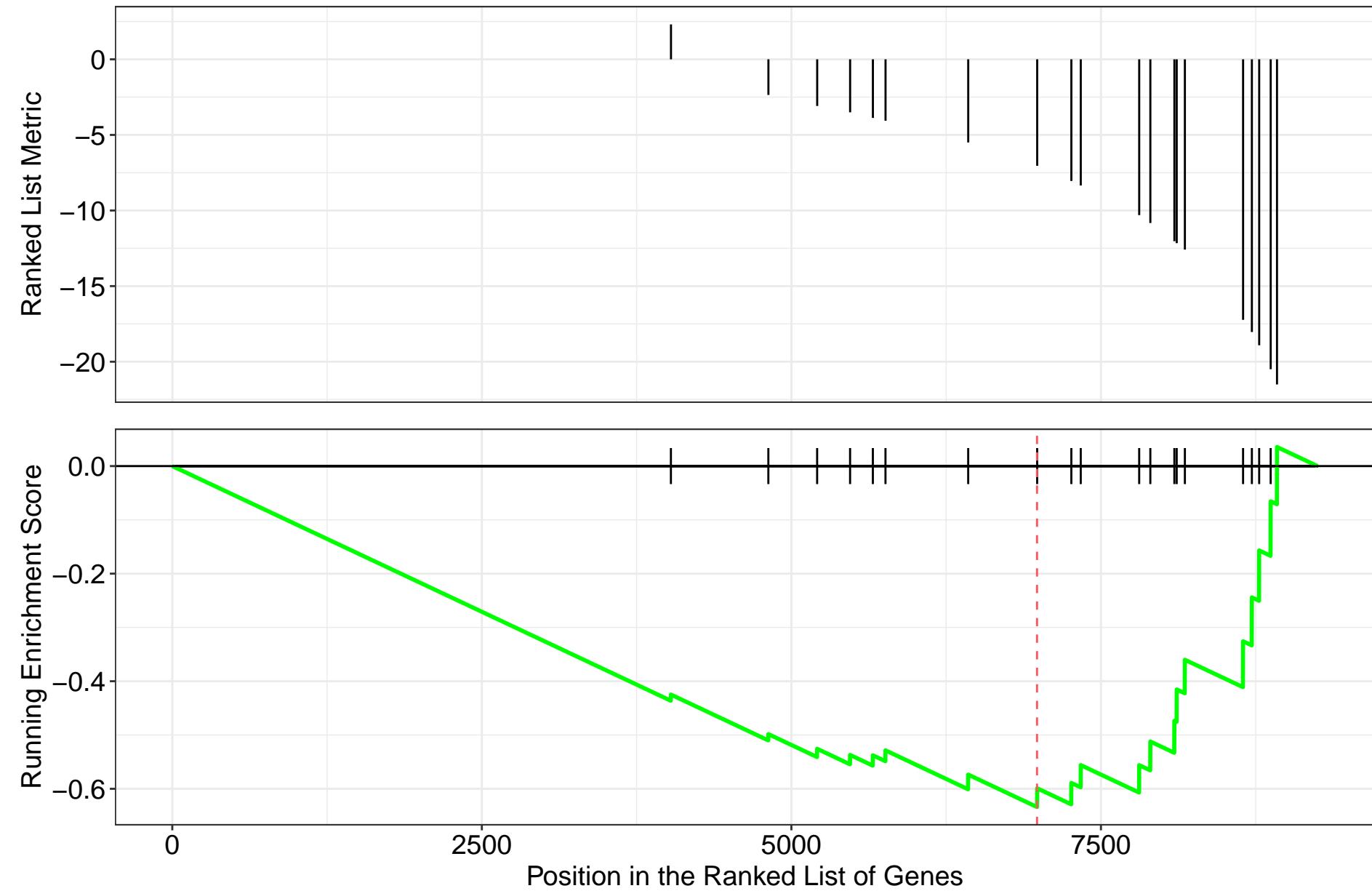
negative regulation of cytokine-mediated signaling pathway



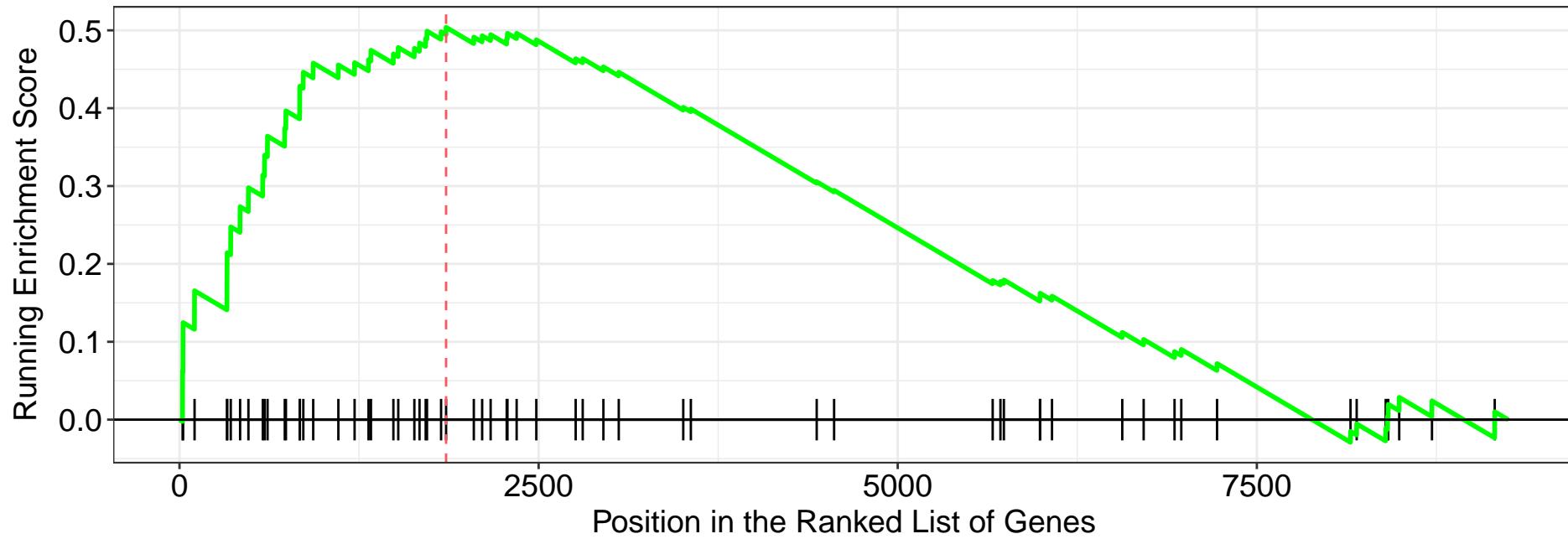
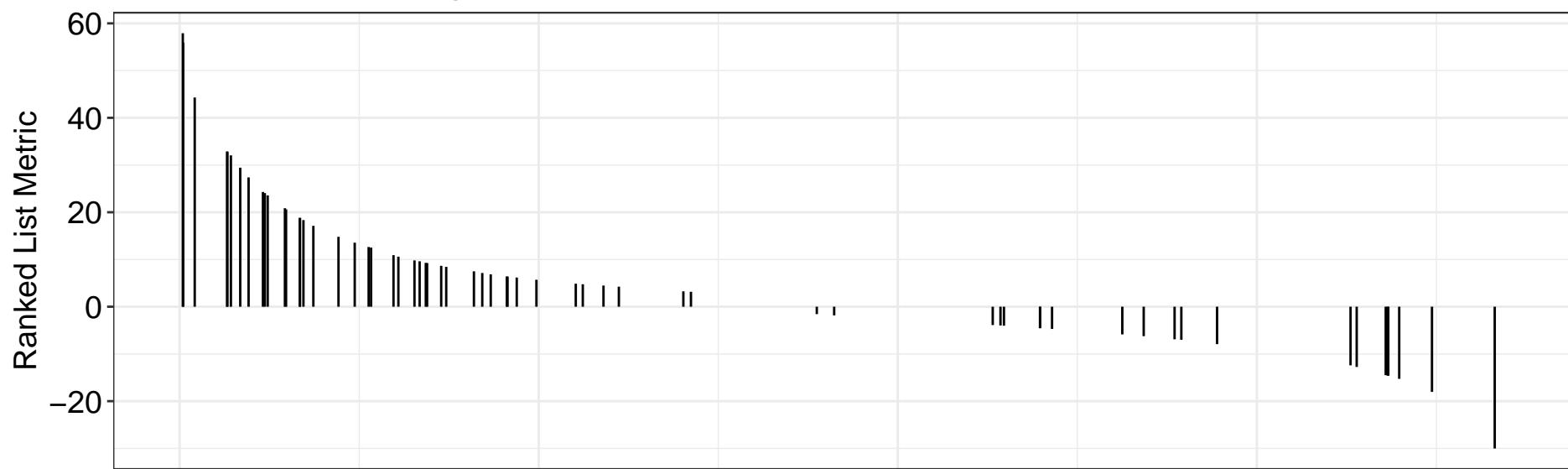
positive regulation of cell cycle phase transition



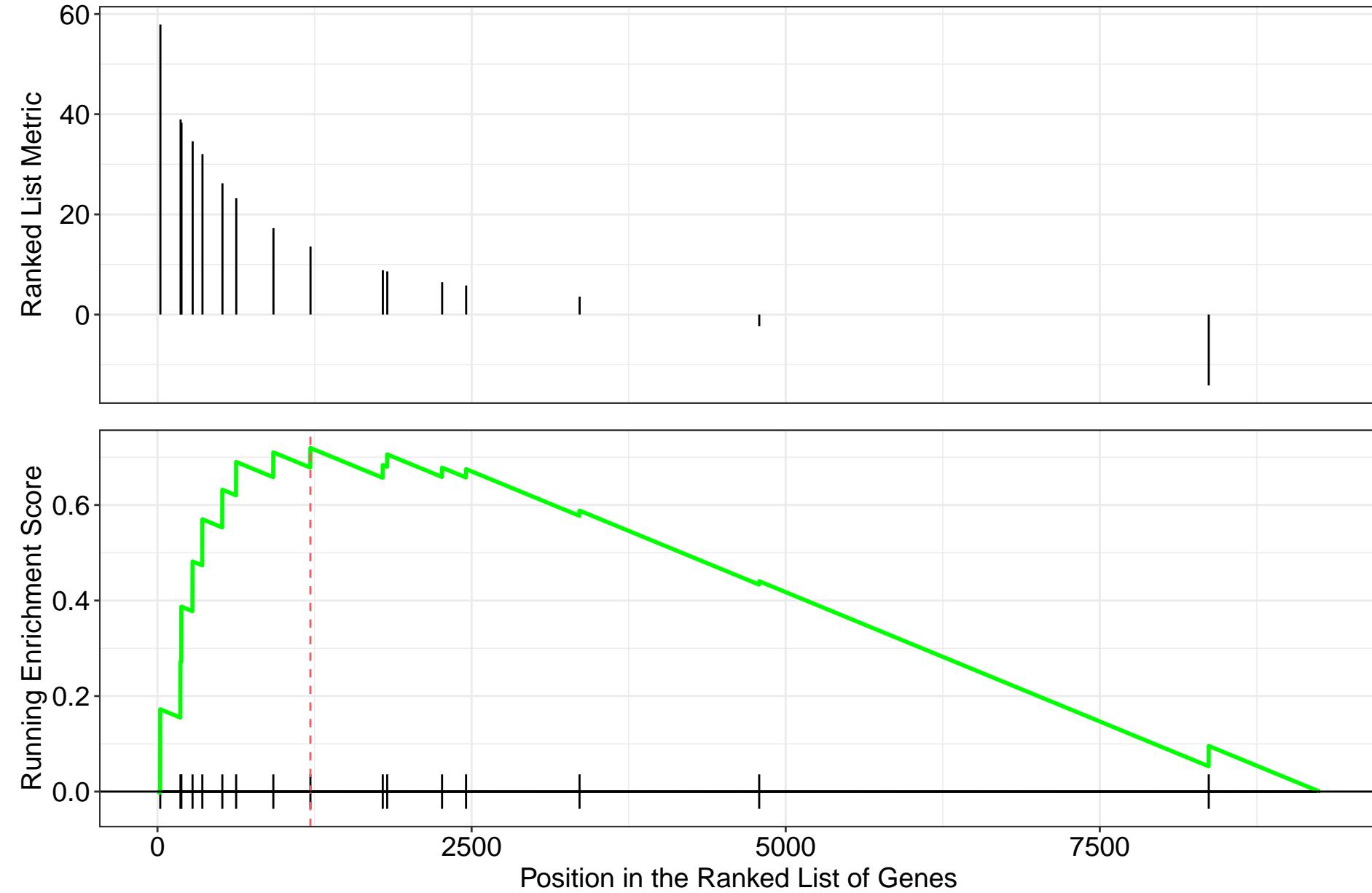
positive regulation of chromosome separation



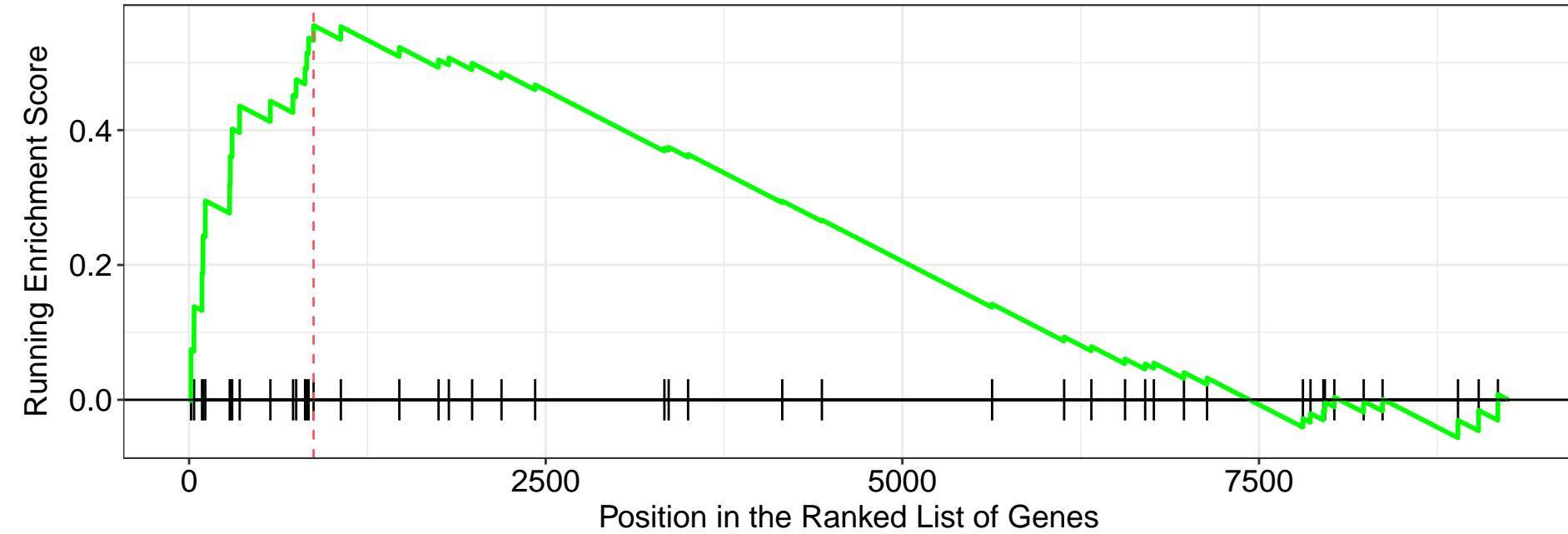
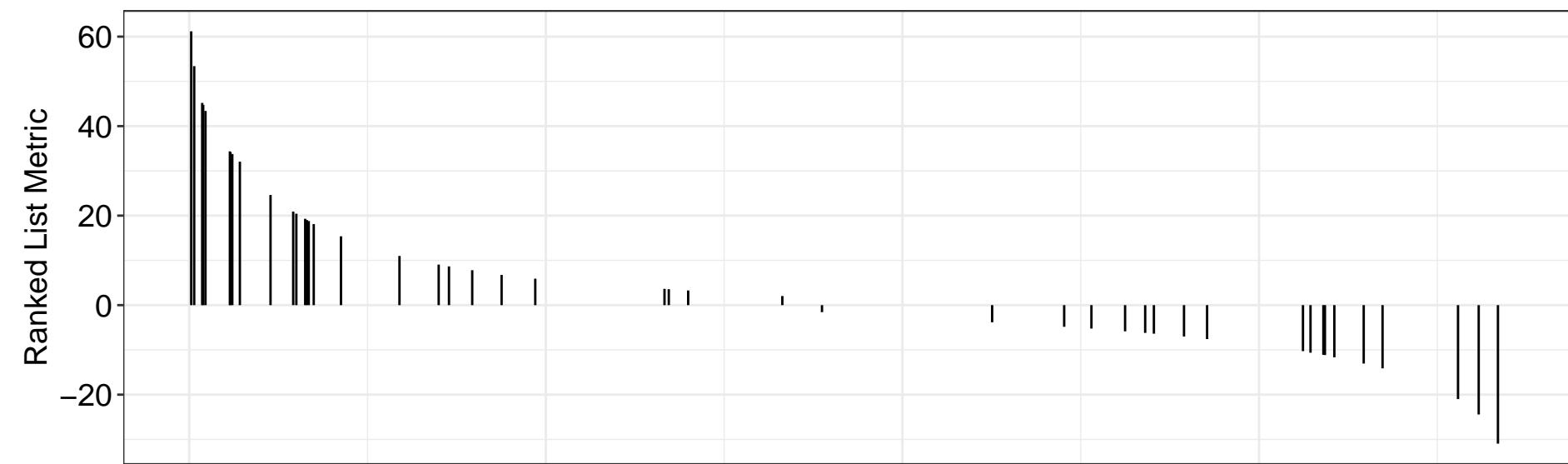
regulation of leukocyte apoptotic process



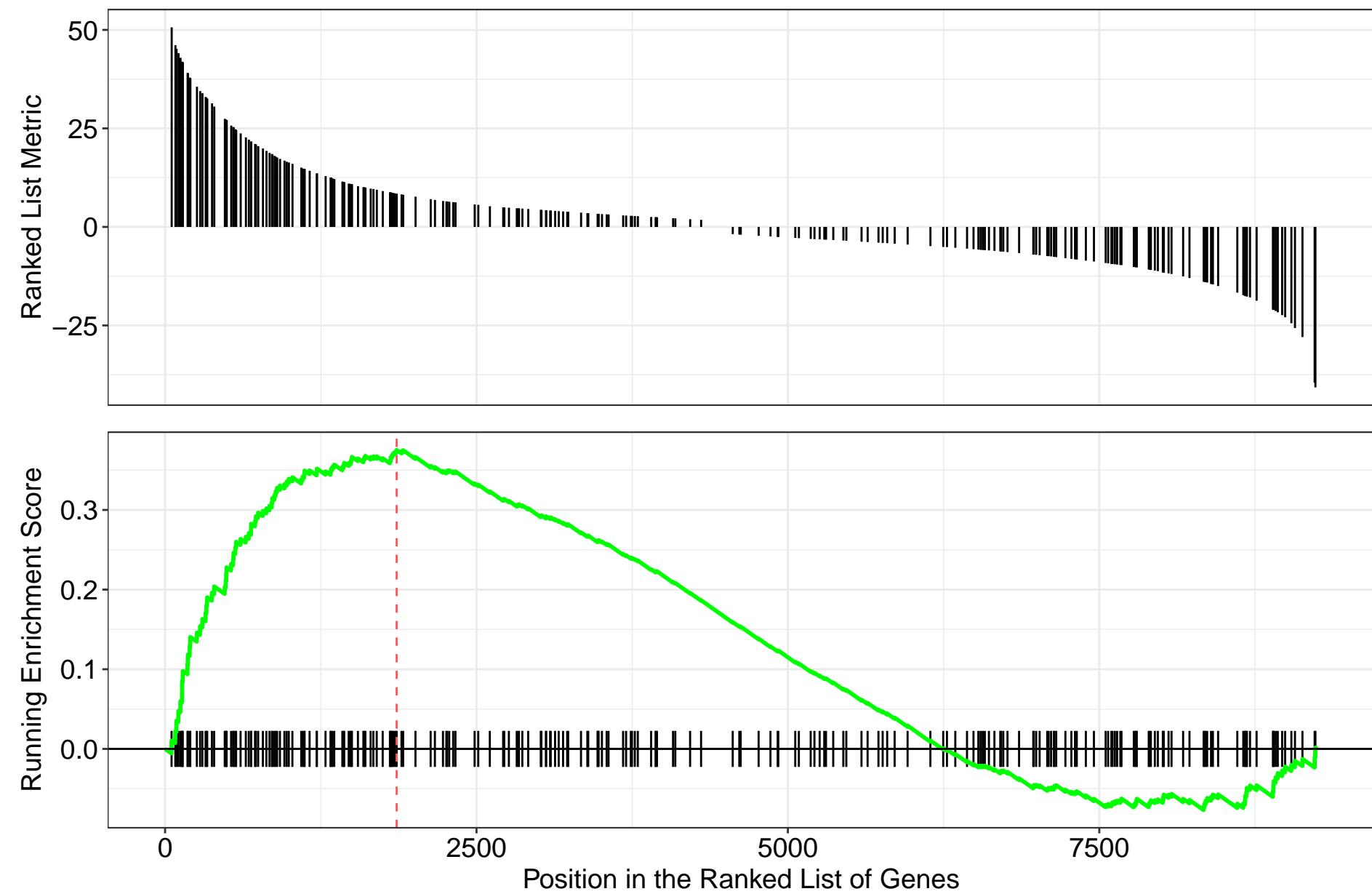
positive regulation of macrophage chemotaxis



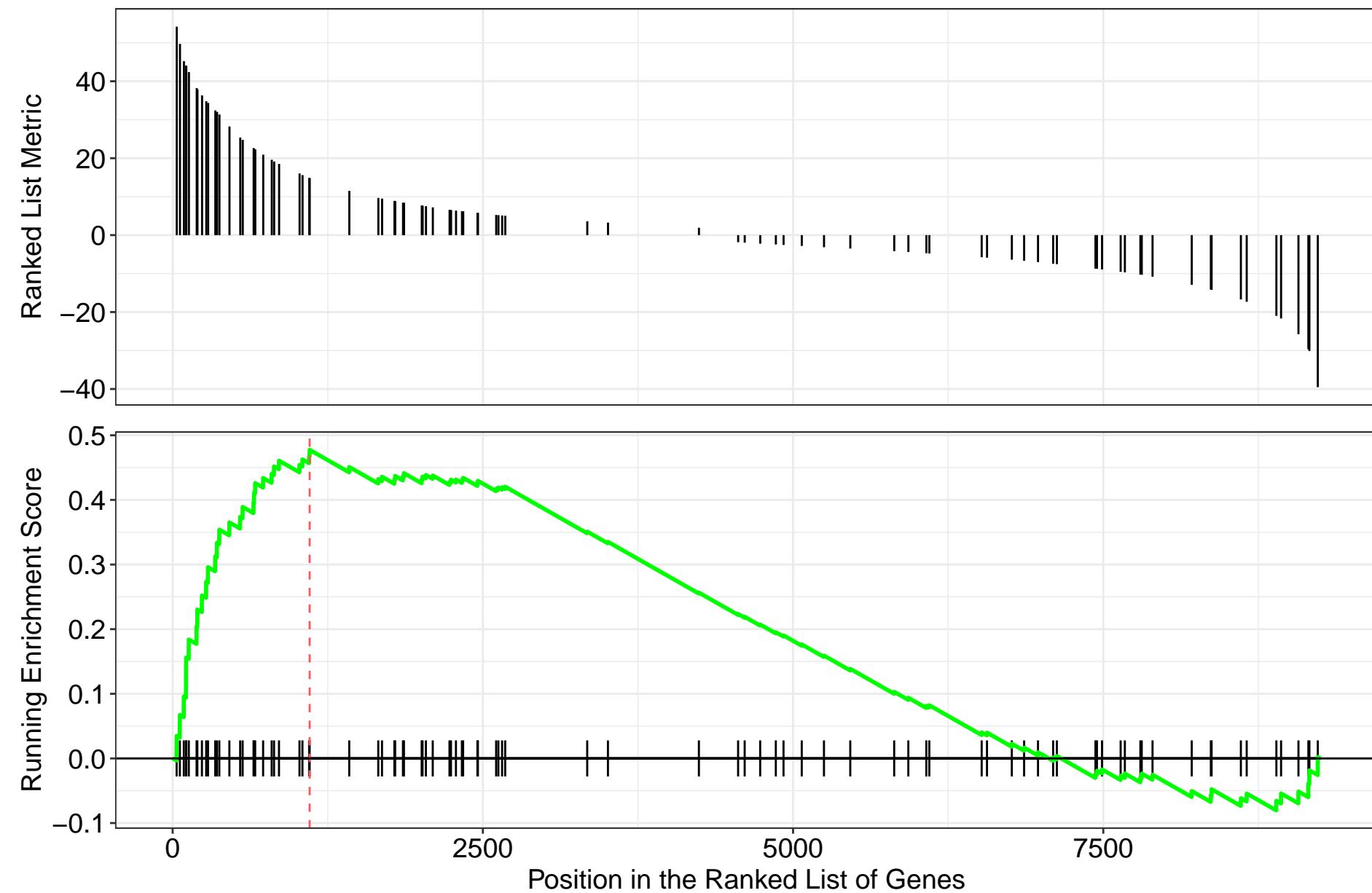
response to corticosteroid



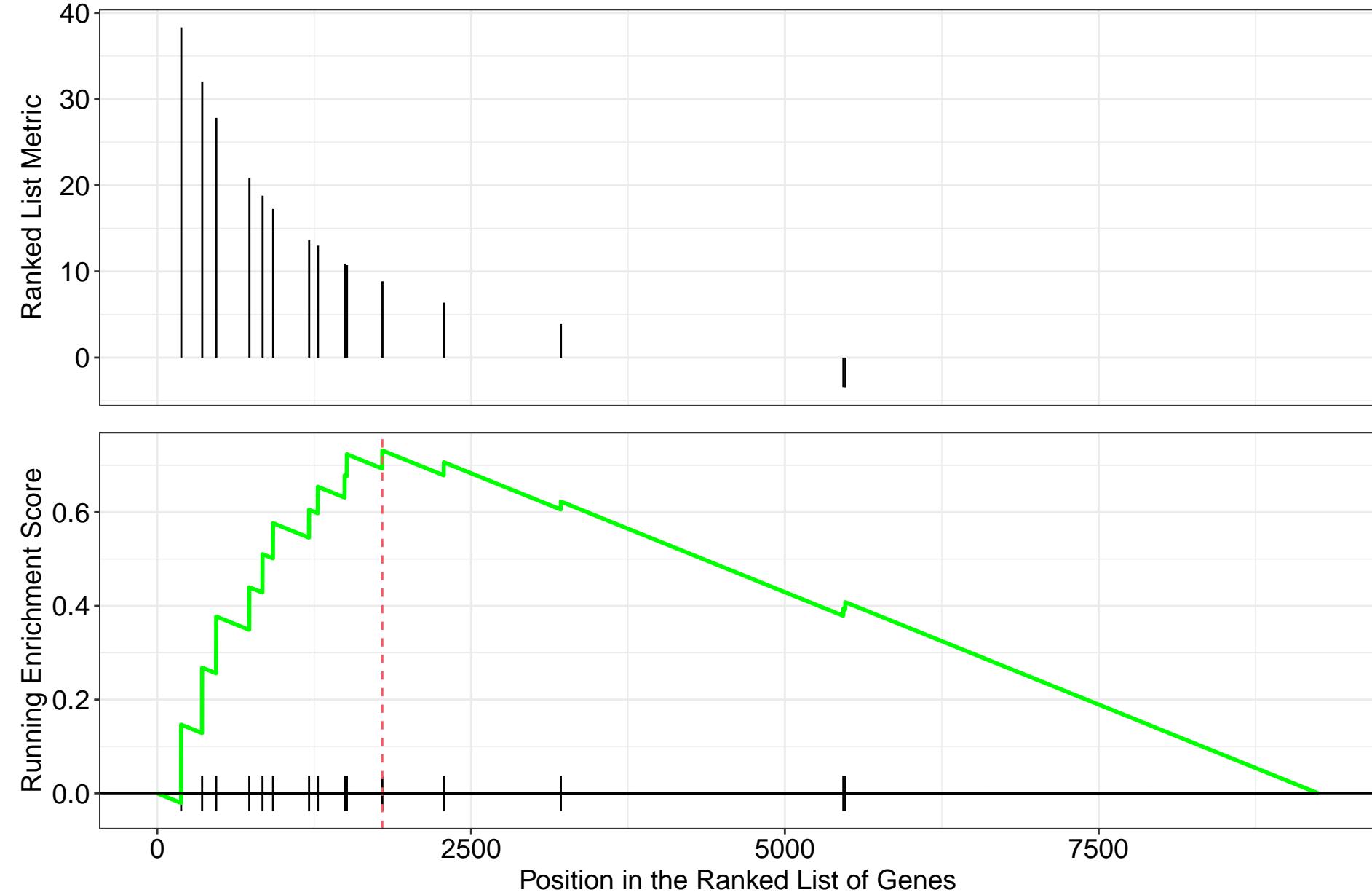
response to wounding



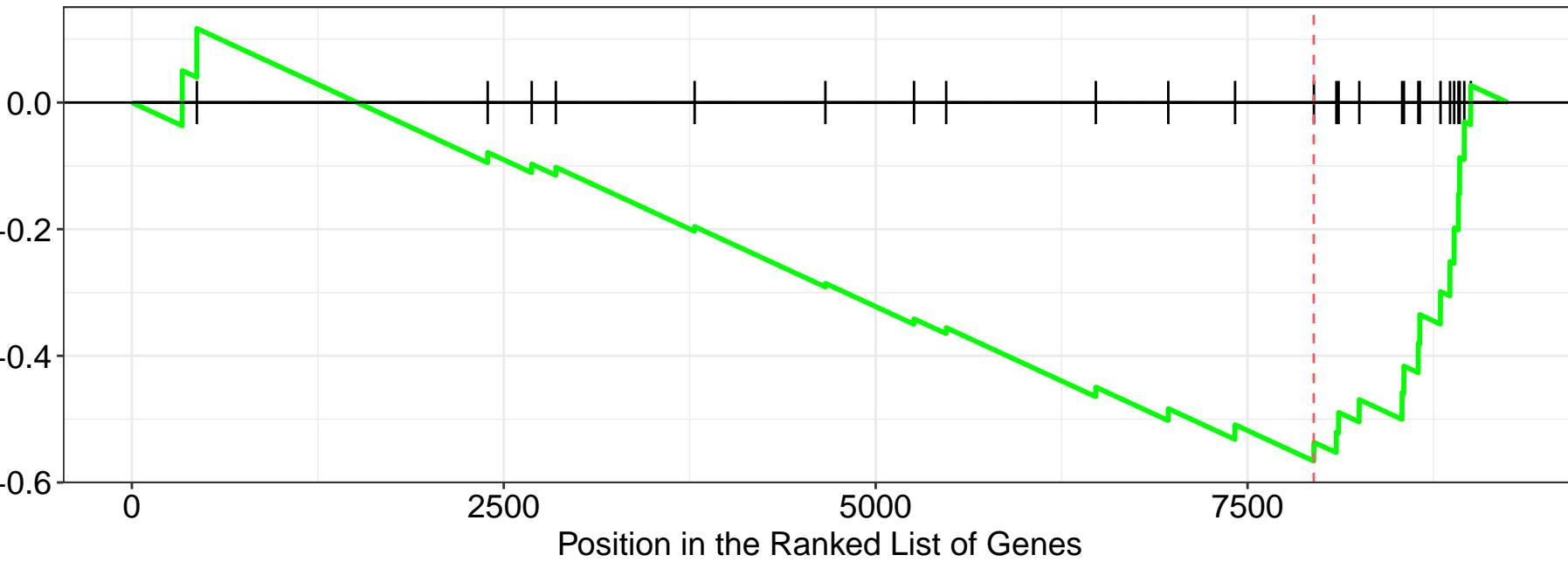
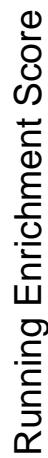
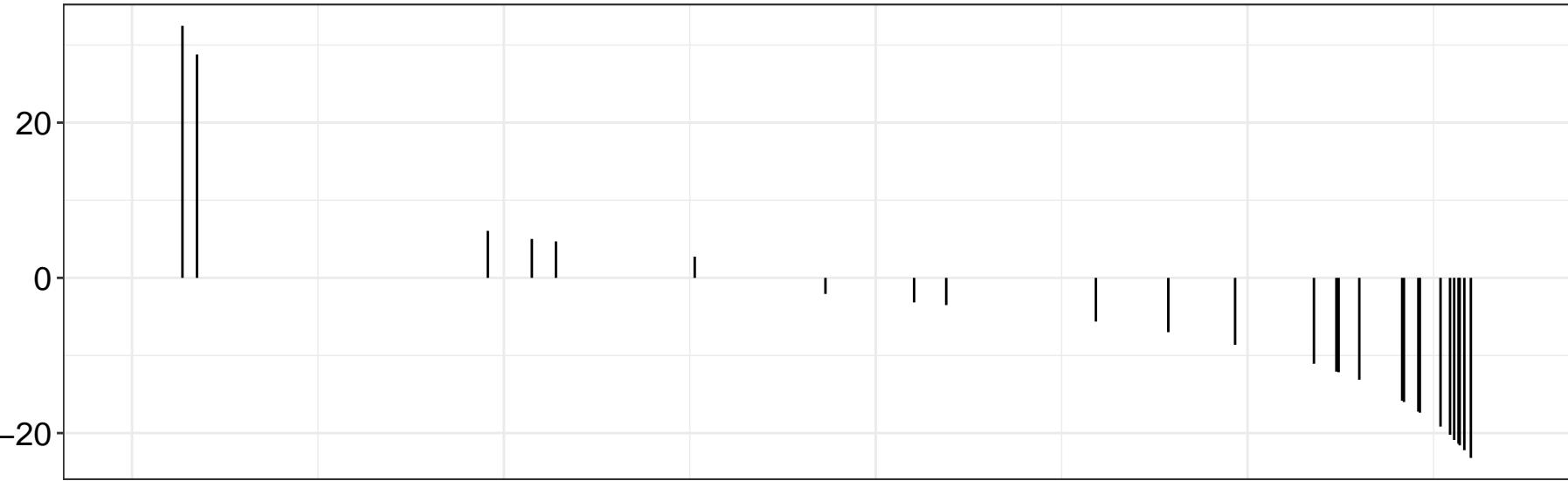
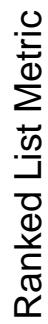
positive regulation of cytosolic calcium ion concentration



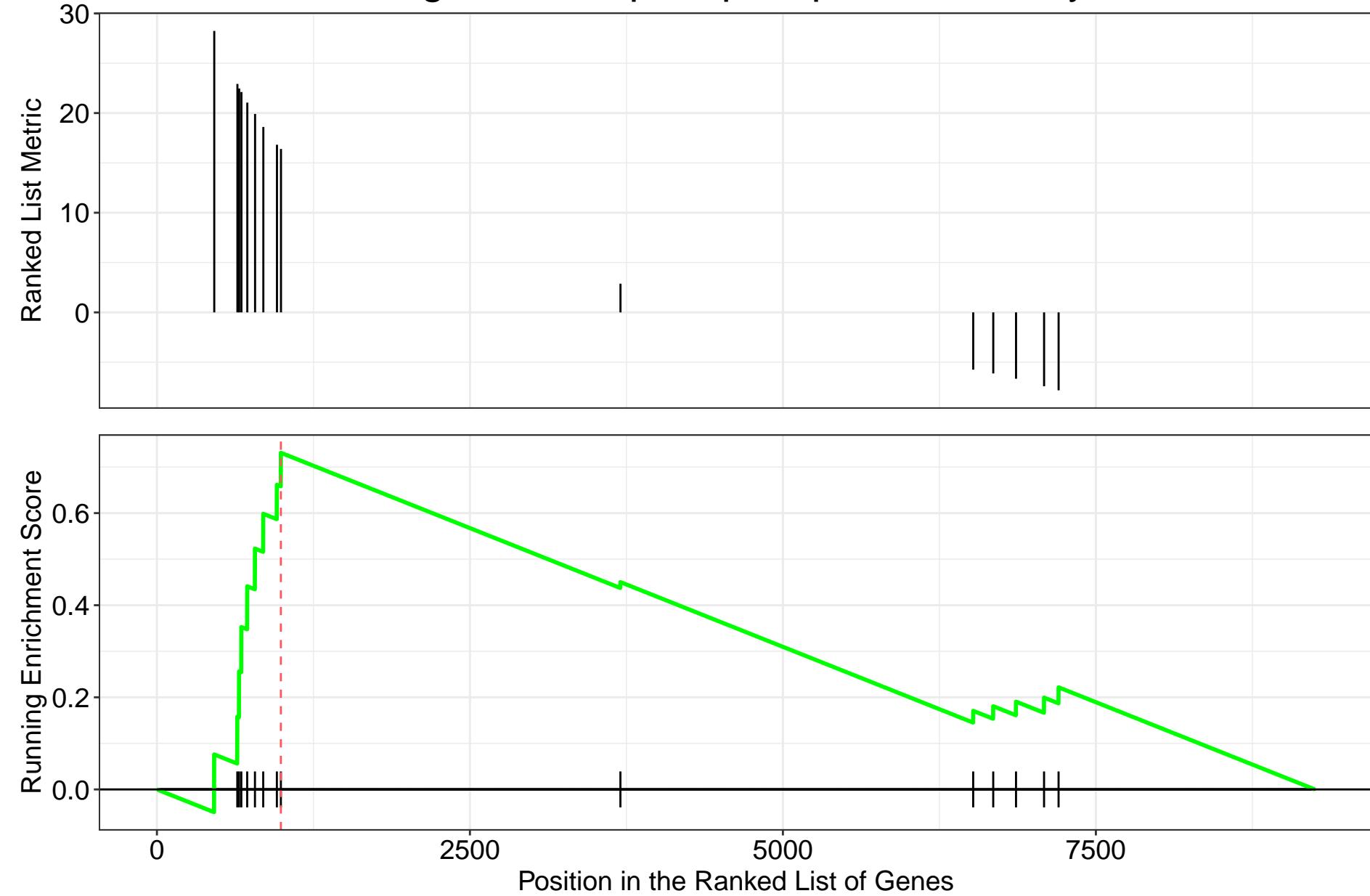
negative regulation of interleukin-12 production



female meiotic nuclear division



regulation of phospholipase C activity

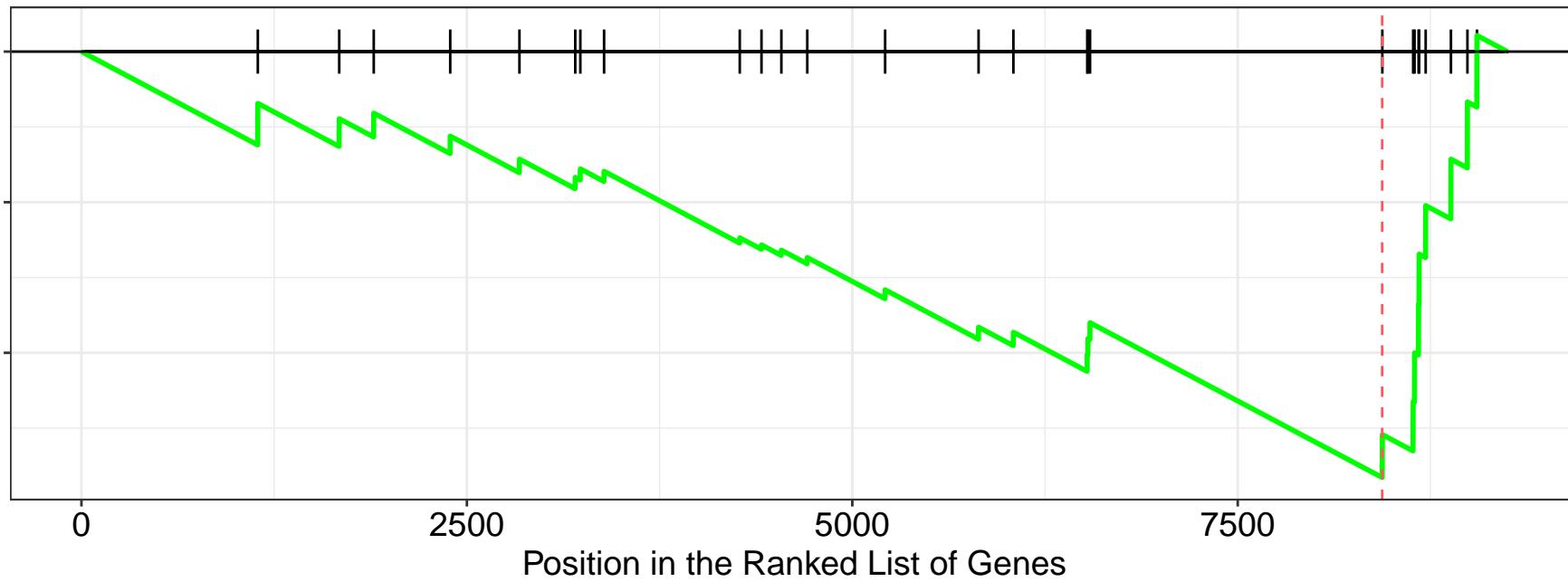


cytokinetic process

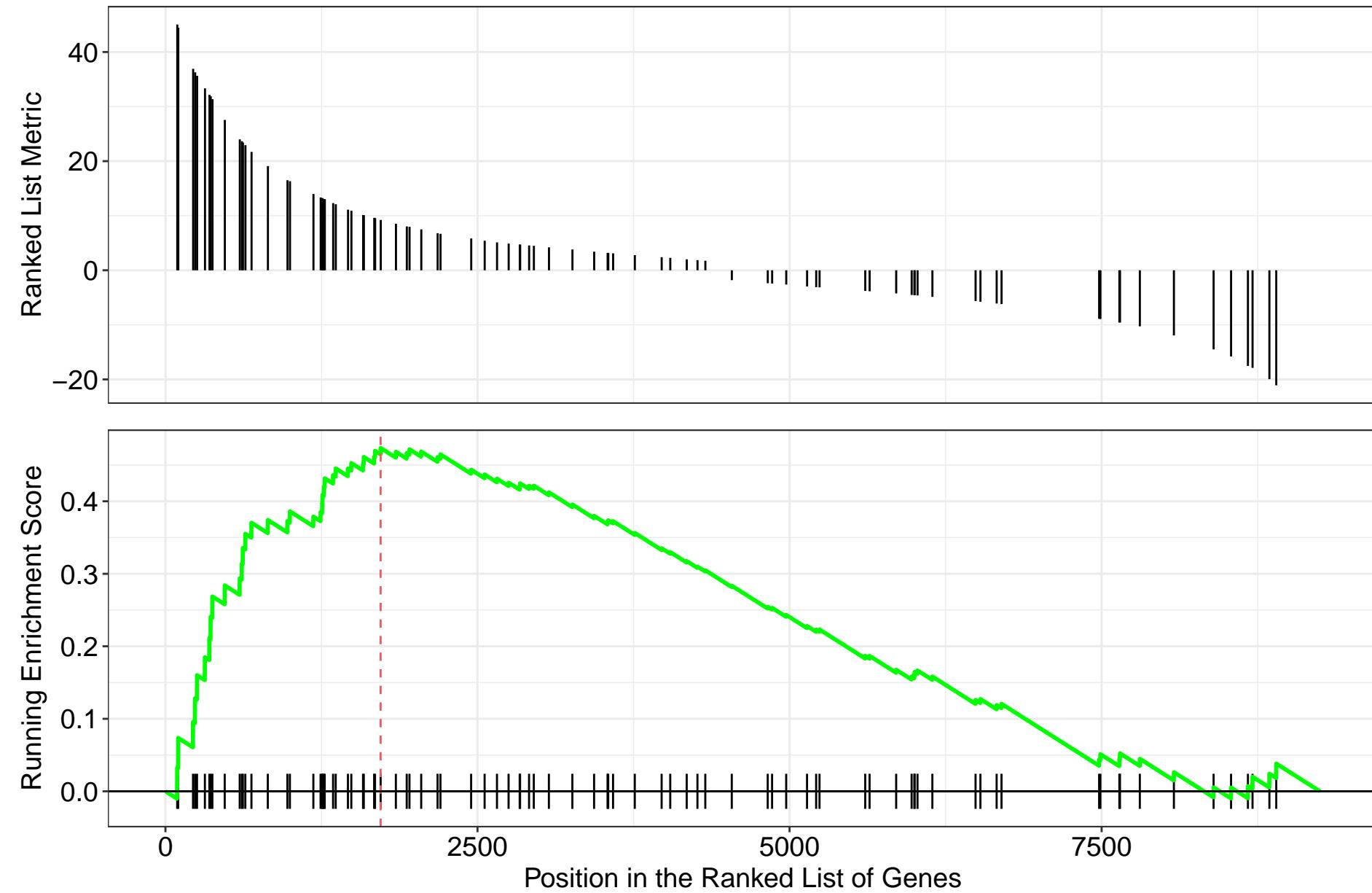
Ranked List Metric



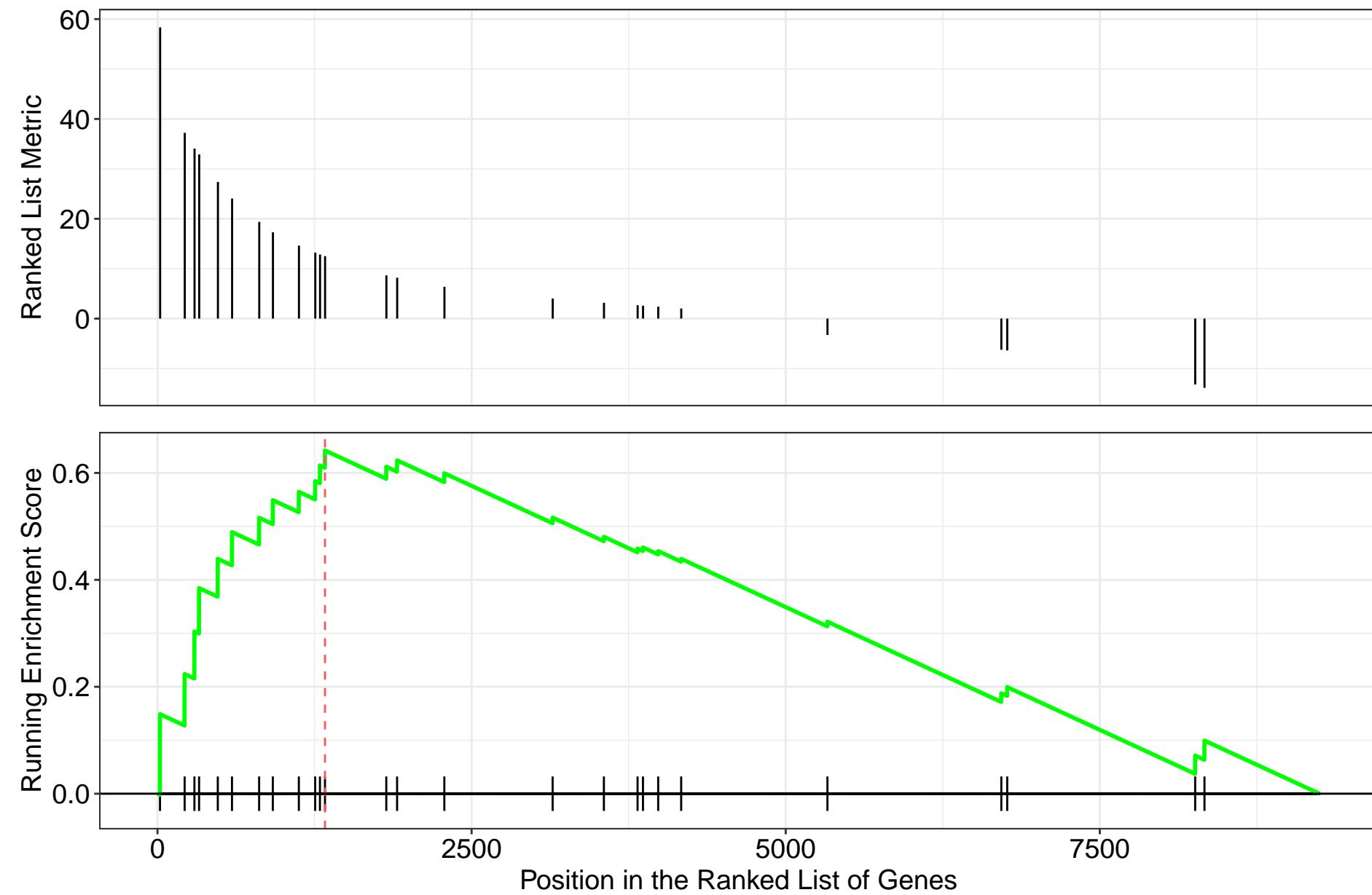
Running Enrichment Score



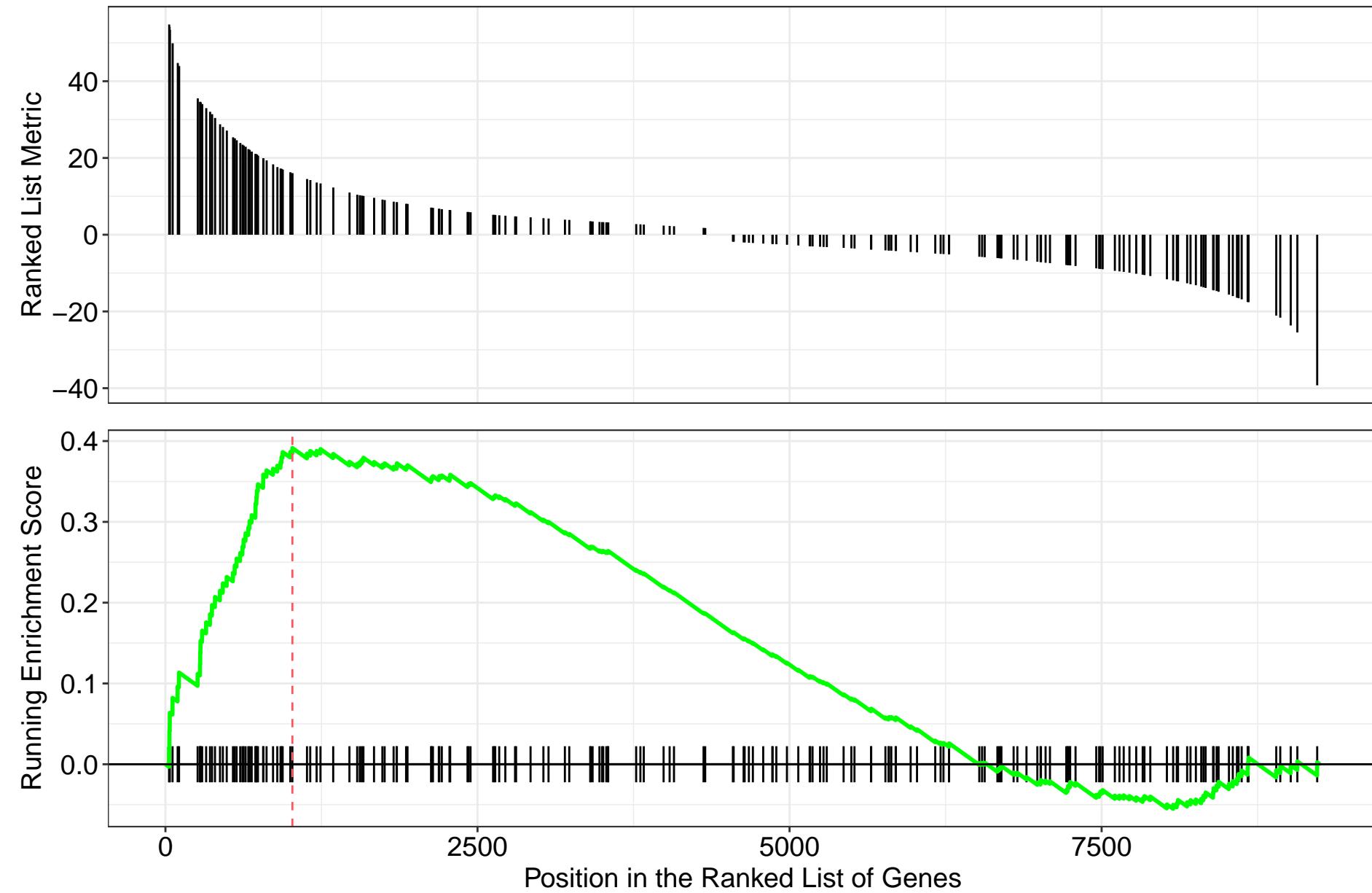
biological process involved in interaction with host



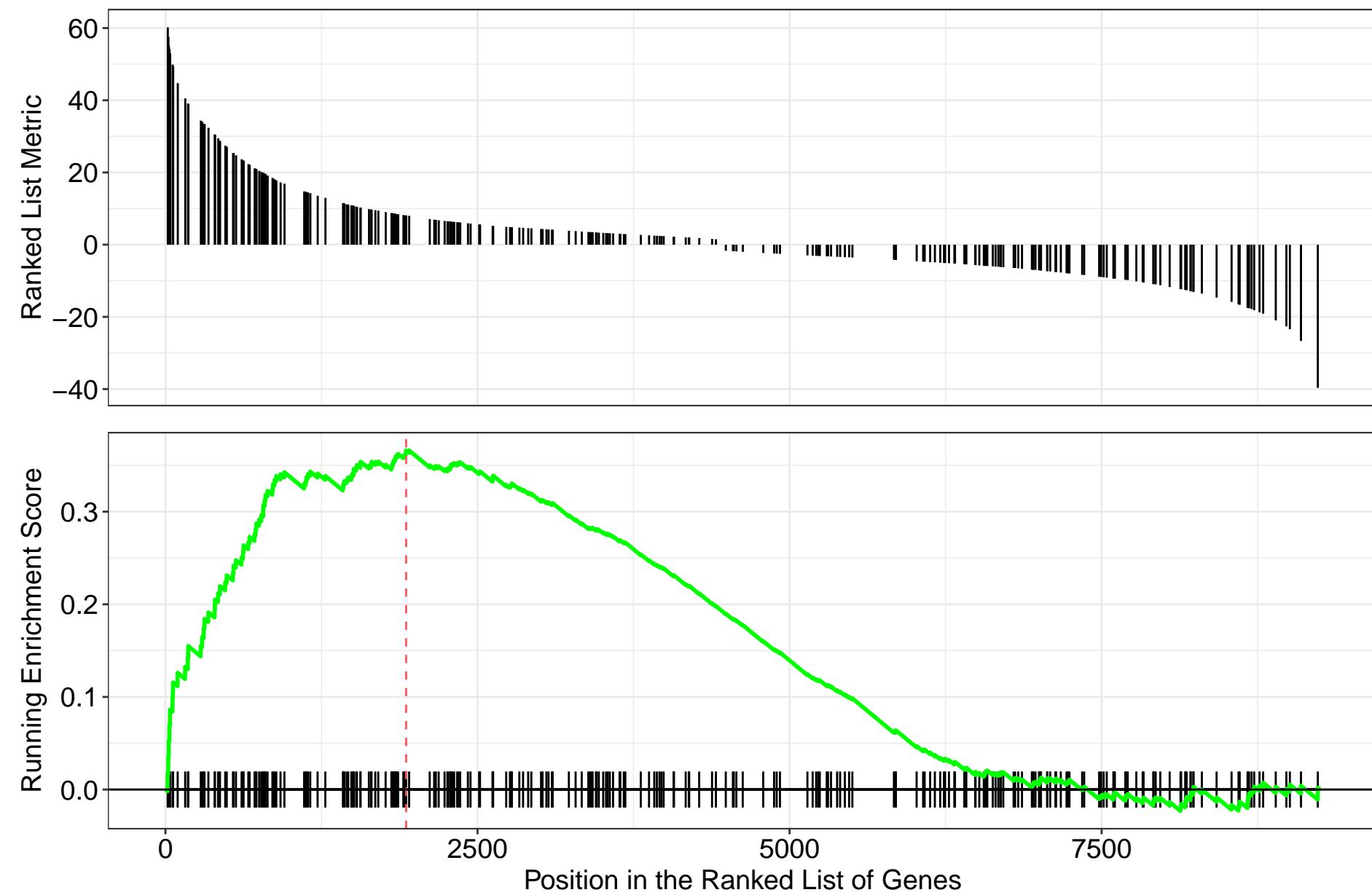
negative regulation of alpha–beta T cell activation



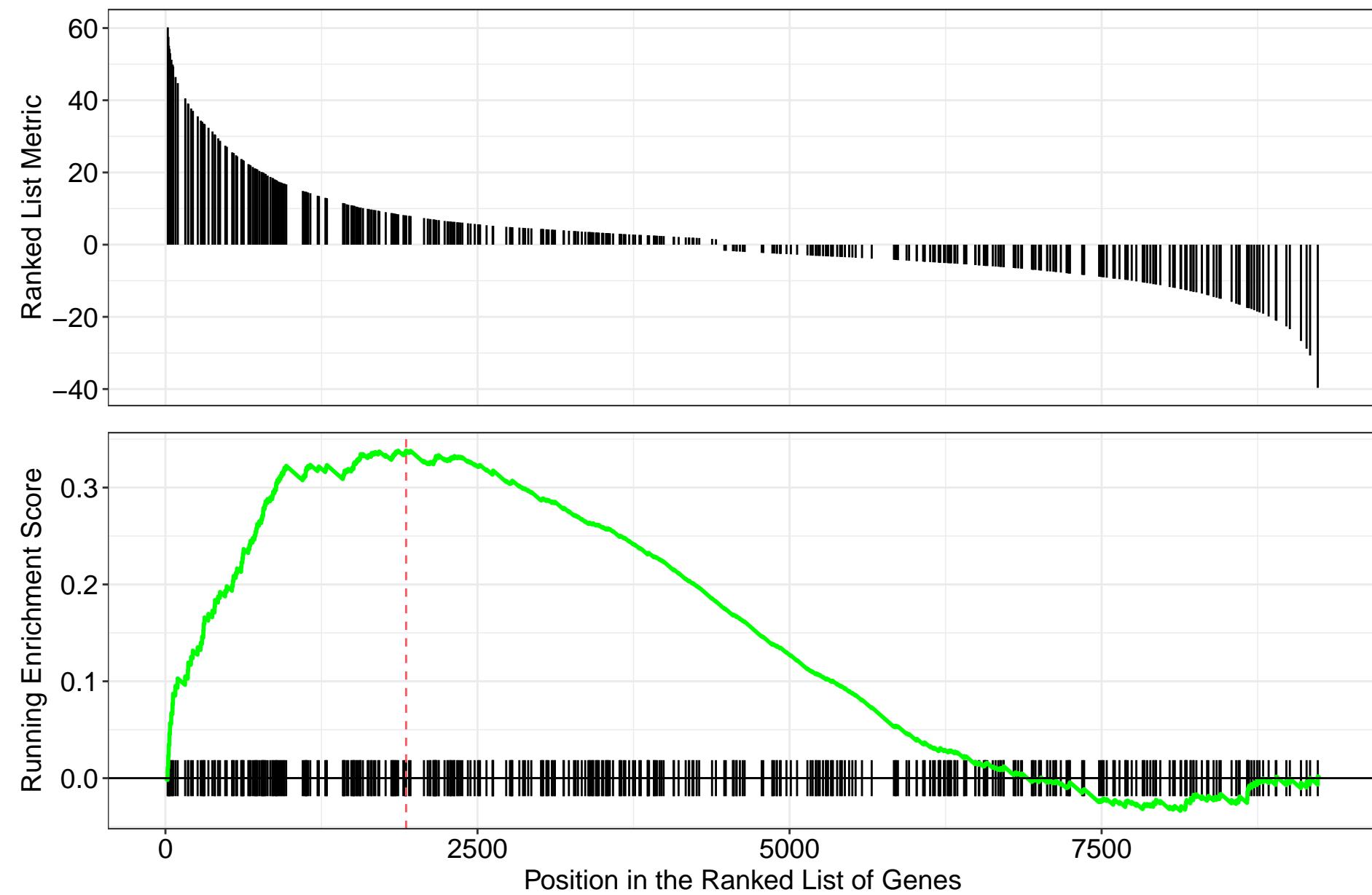
positive regulation of protein kinase activity



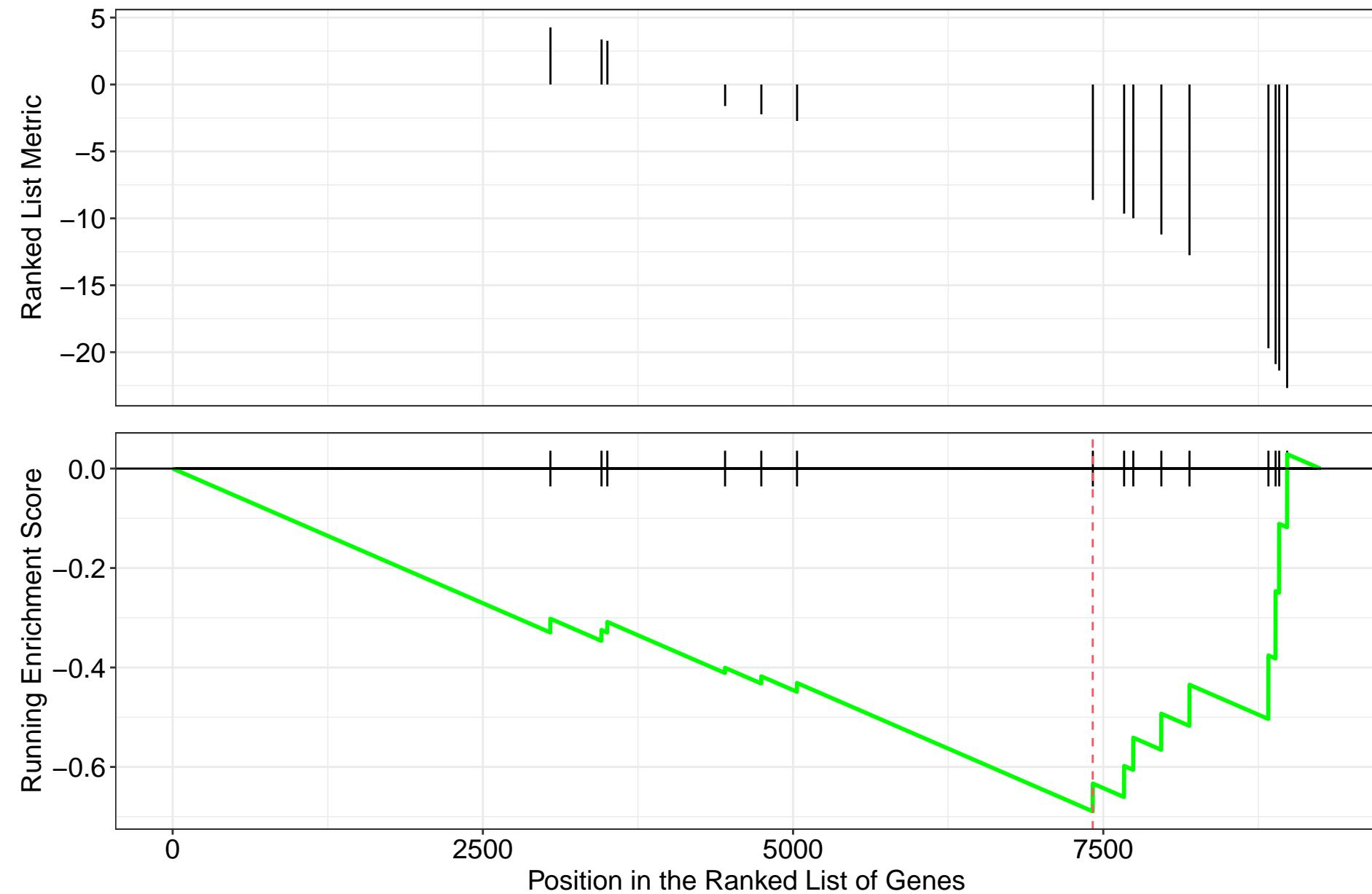
transmembrane receptor protein tyrosine kinase signaling pathway



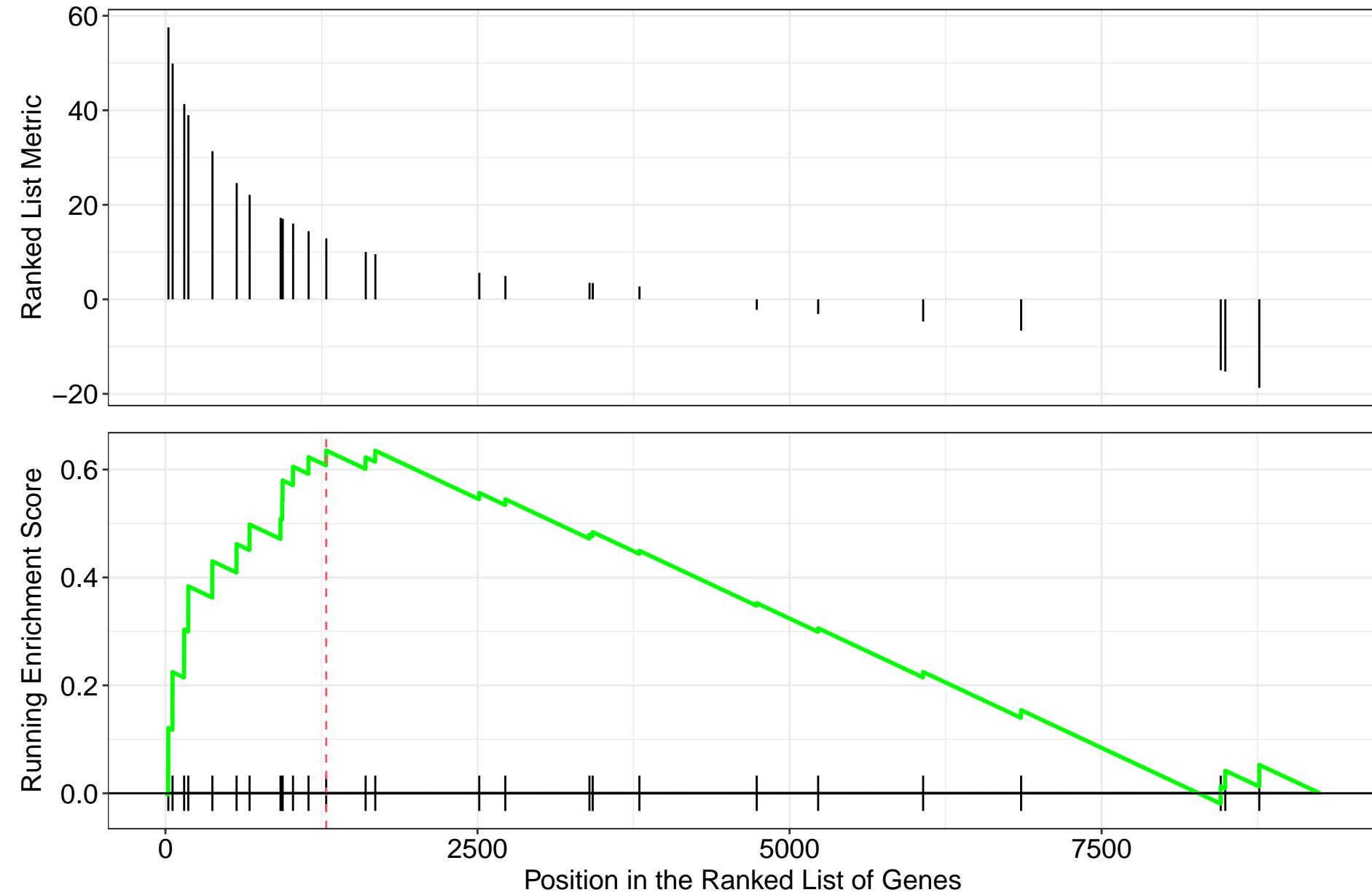
enzyme-linked receptor protein signaling pathway



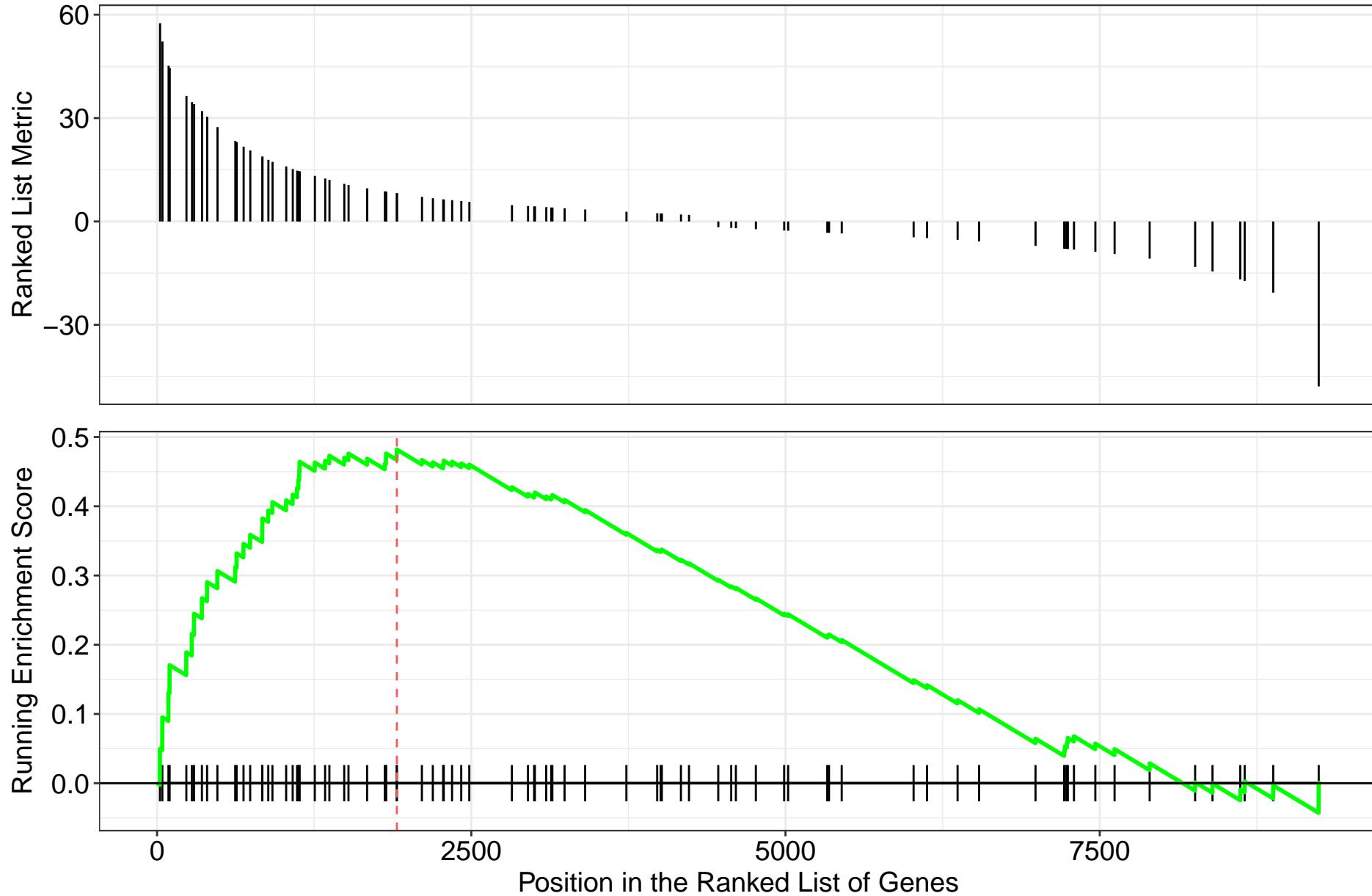
regulation of ubiquitin protein ligase activity



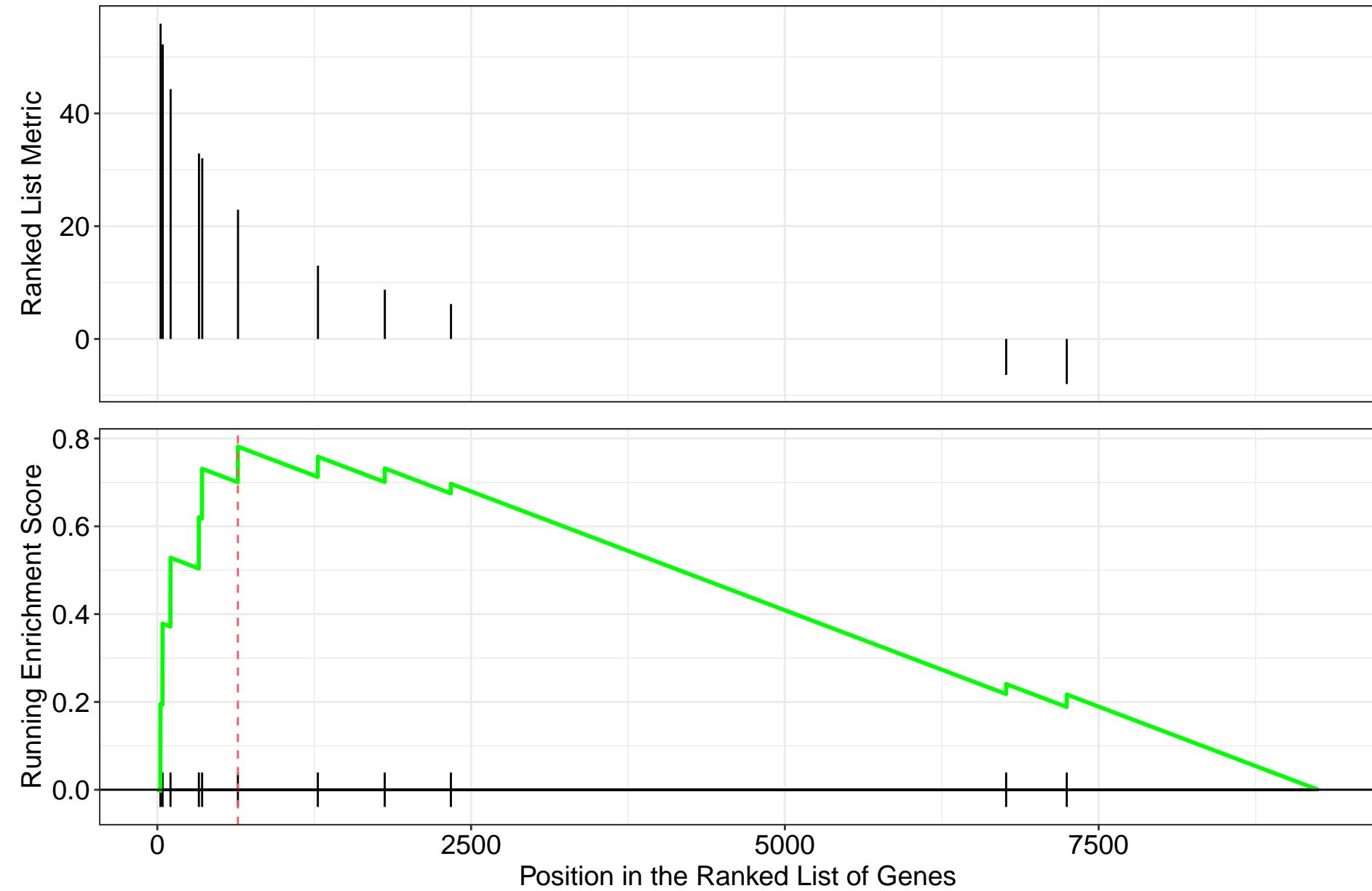
negative regulation of endothelial cell proliferation



positive regulation of lymphocyte differentiation

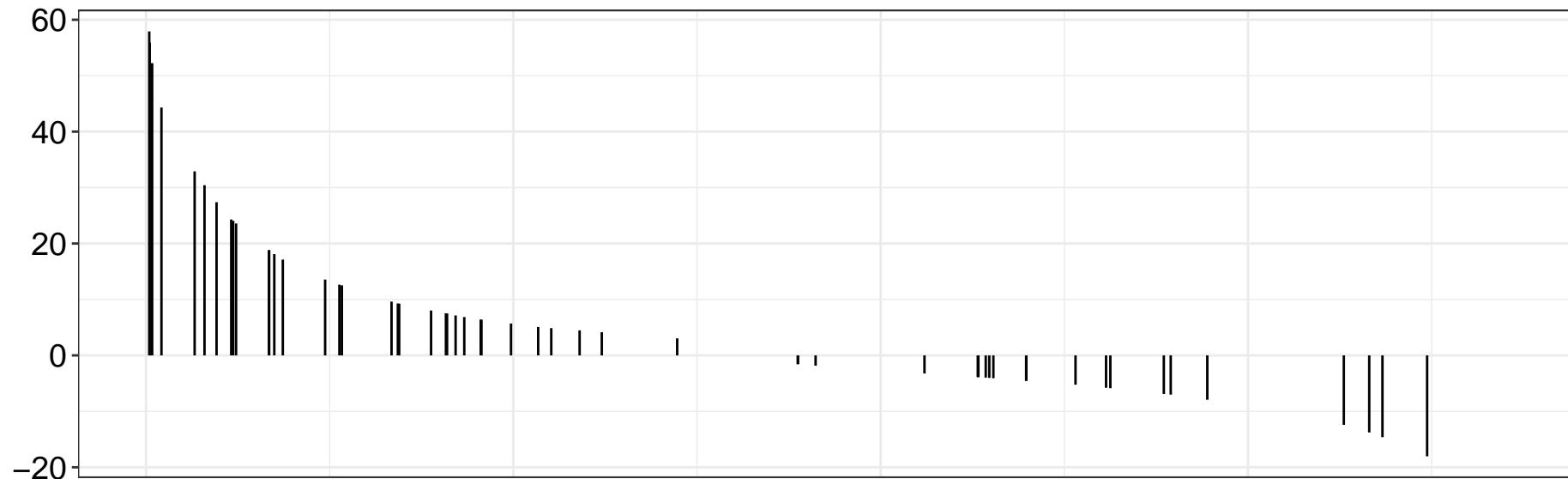


regulation of tolerance induction



lymphocyte apoptotic process

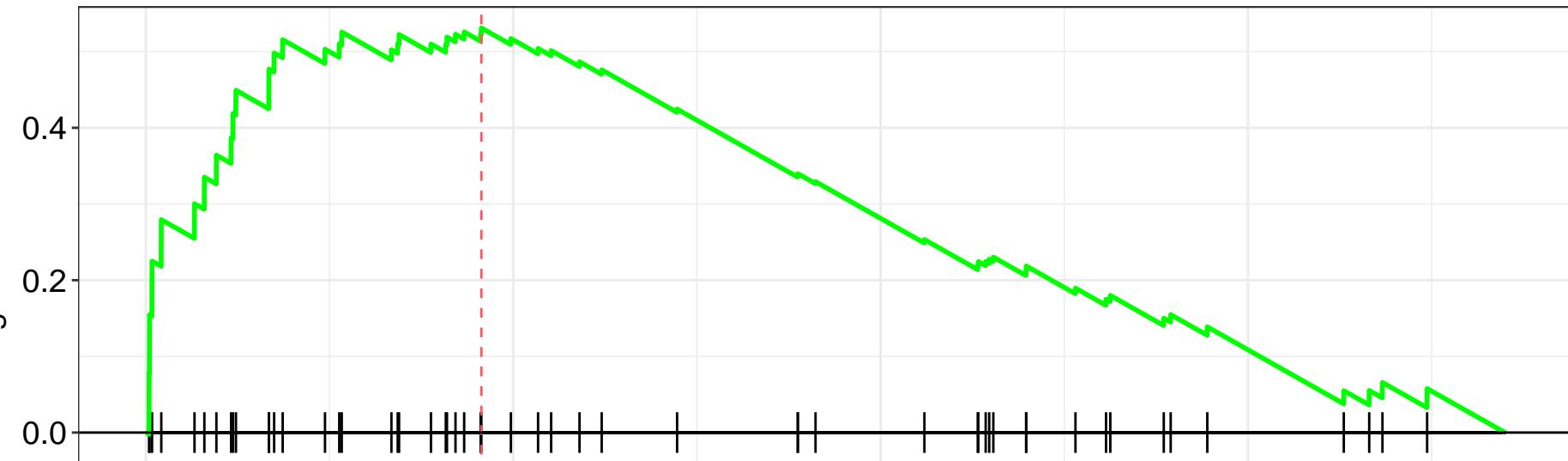
Ranked List Metric



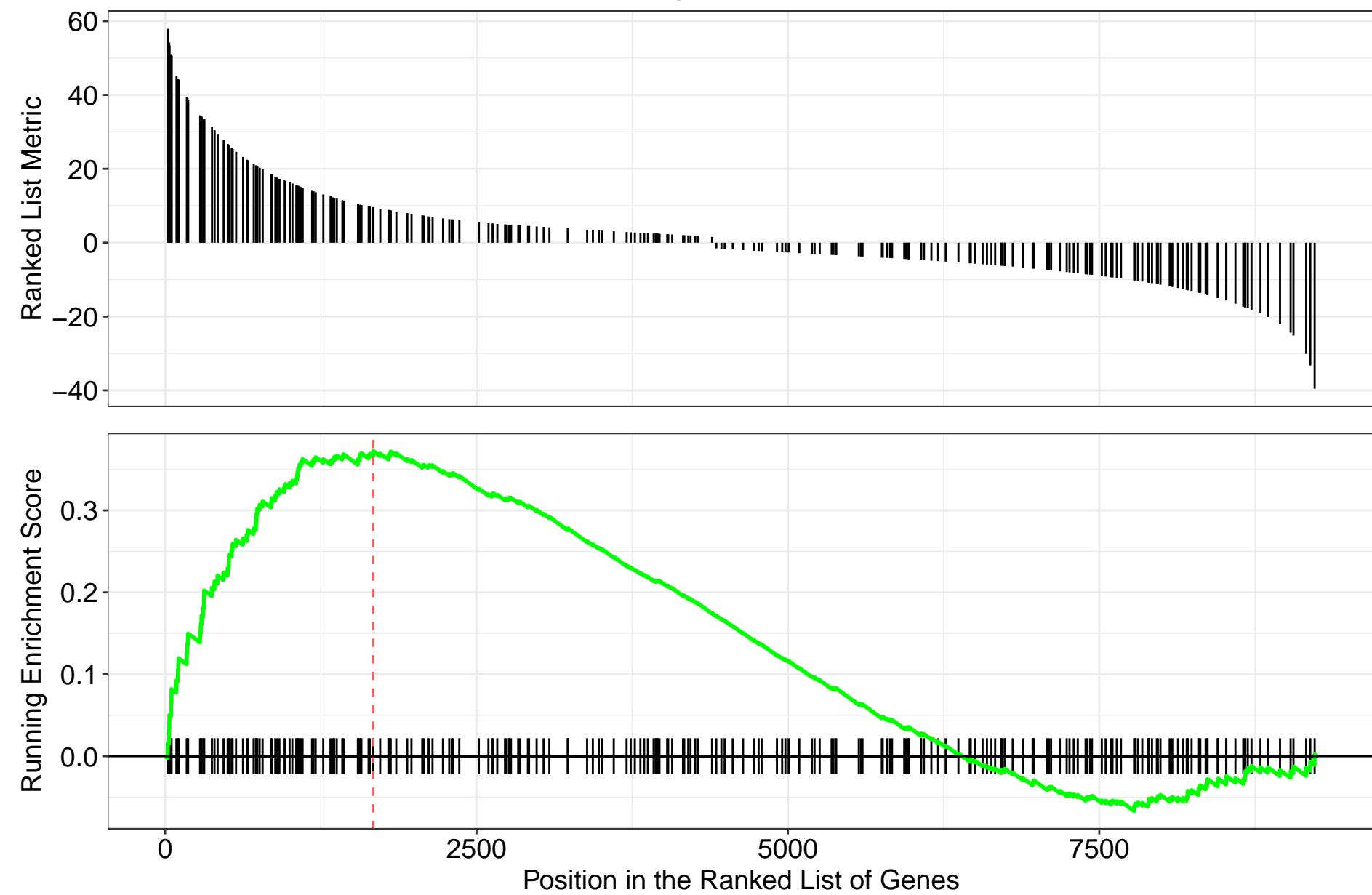
Running Enrichment Score

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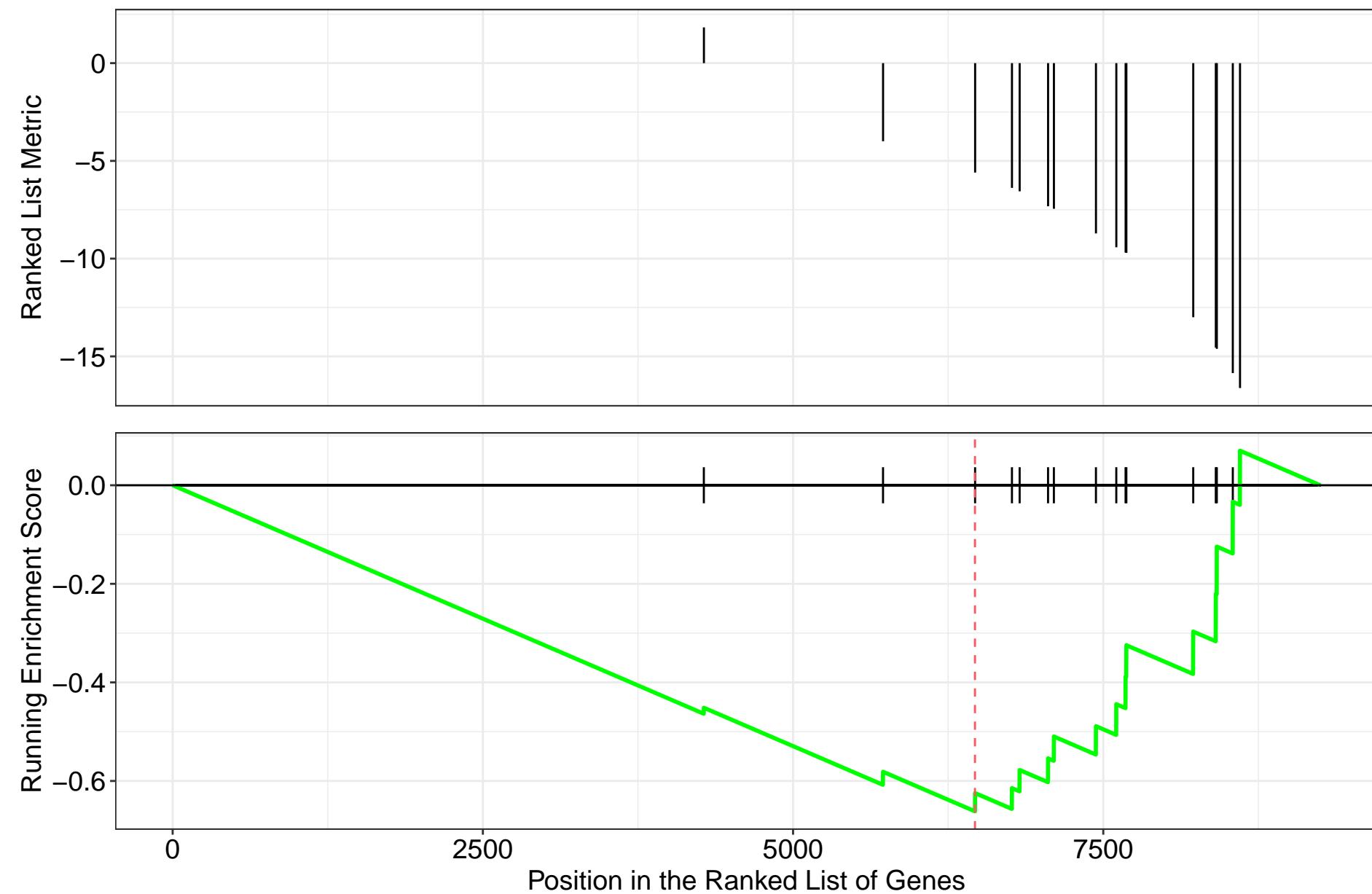
Position in the Ranked List of Genes



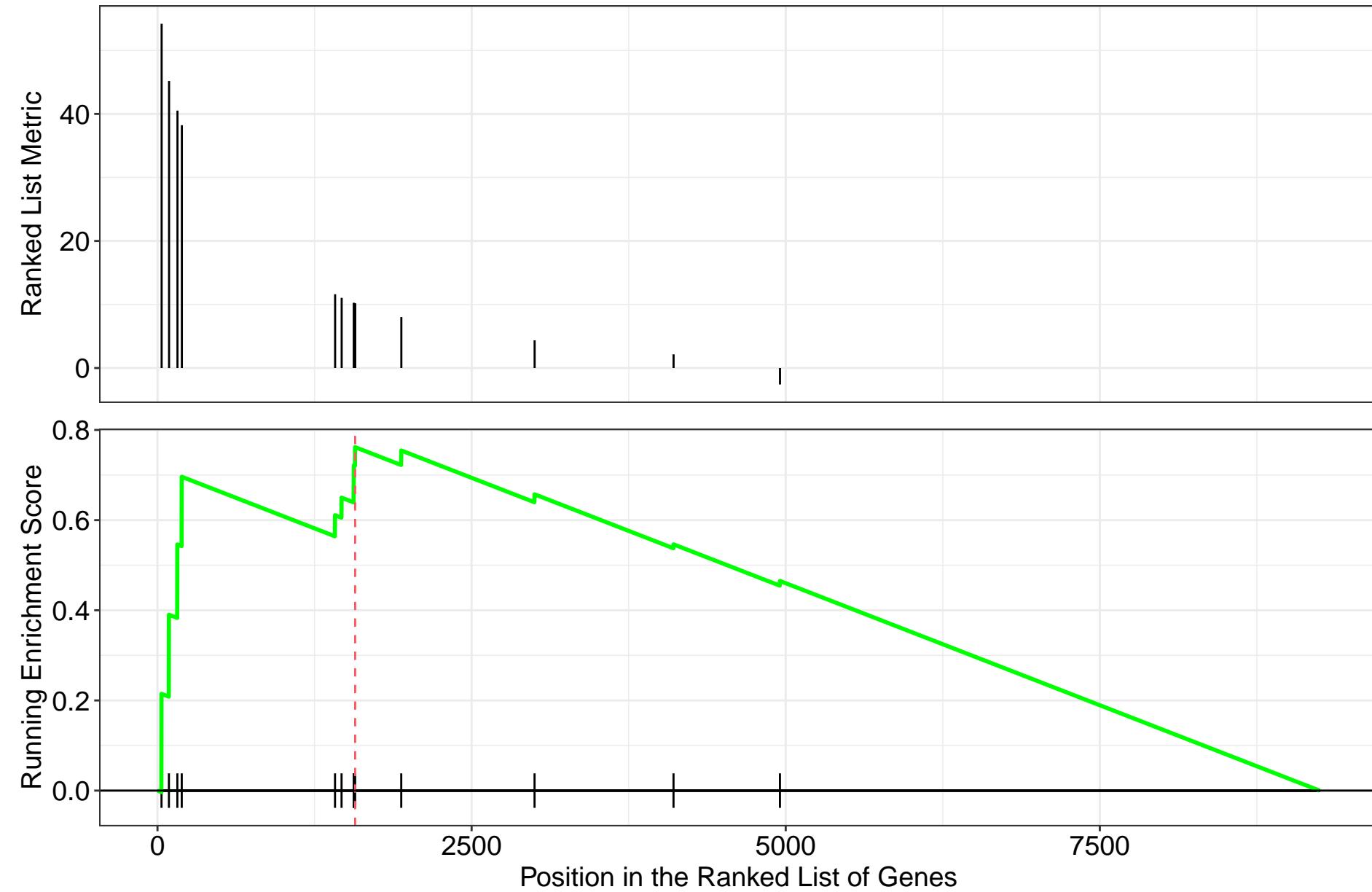
multicellular organismal homeostasis



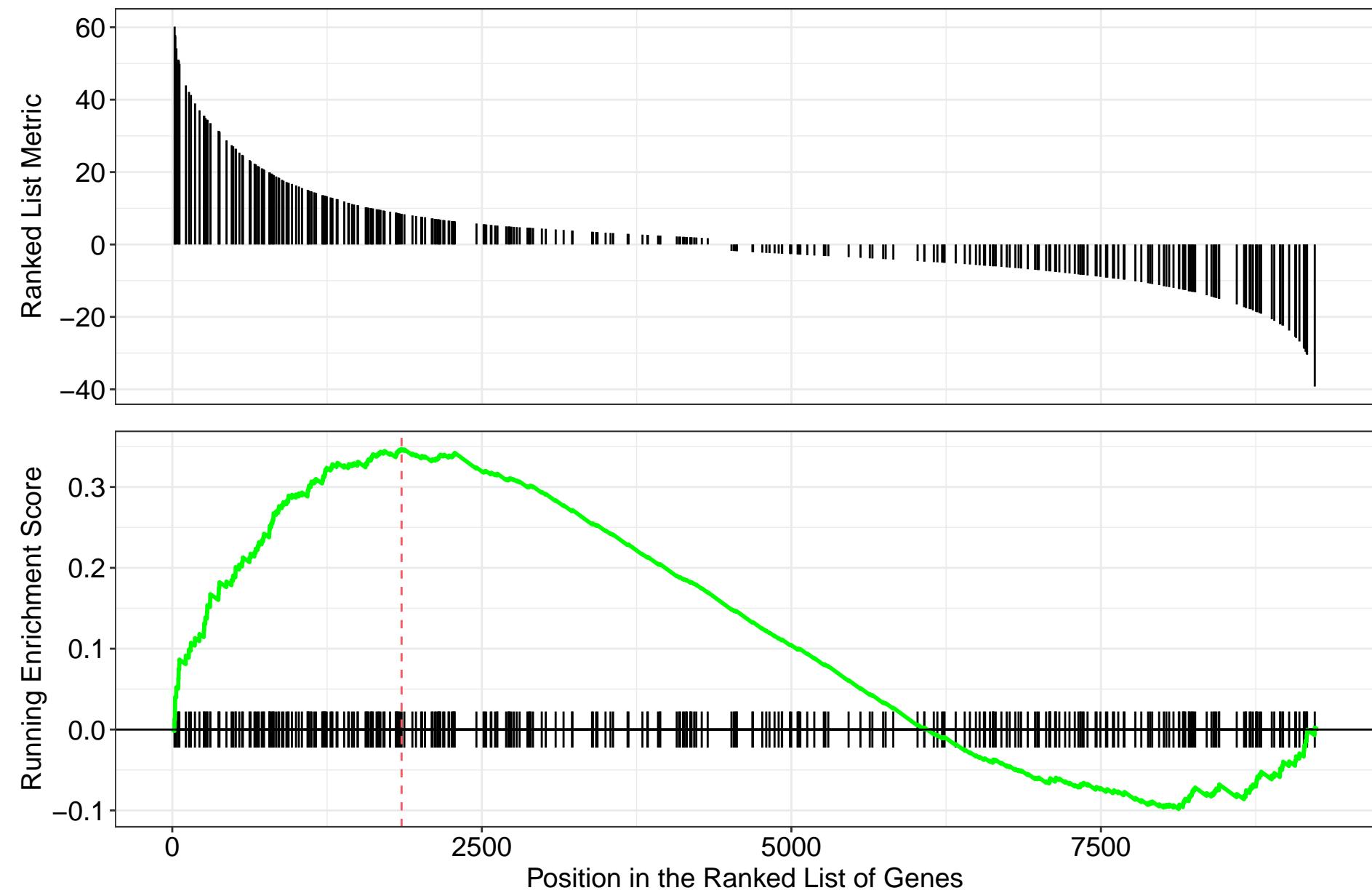
DNA unwinding involved in DNA replication



response to interleukin-17



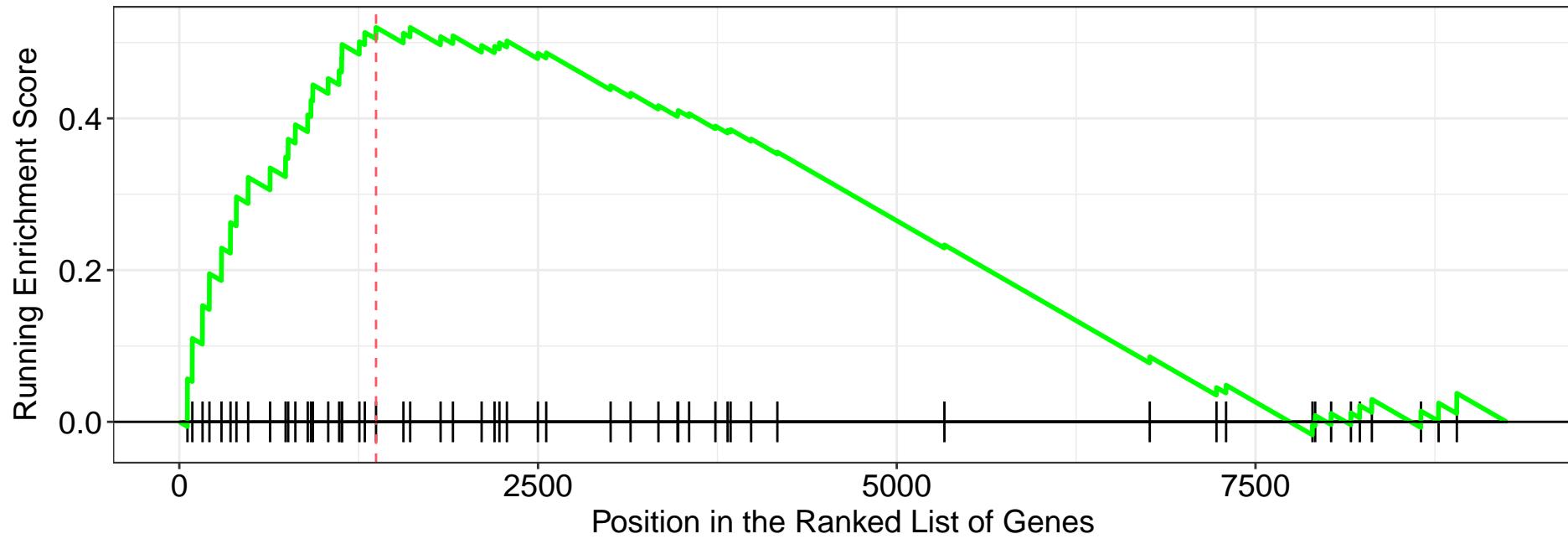
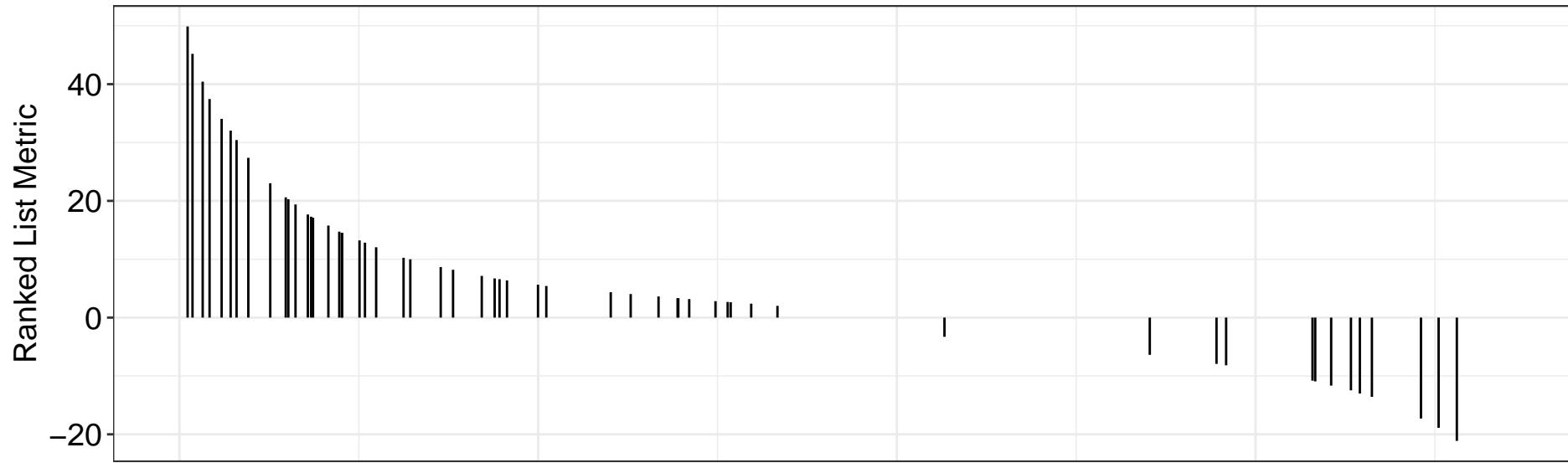
blood vessel morphogenesis



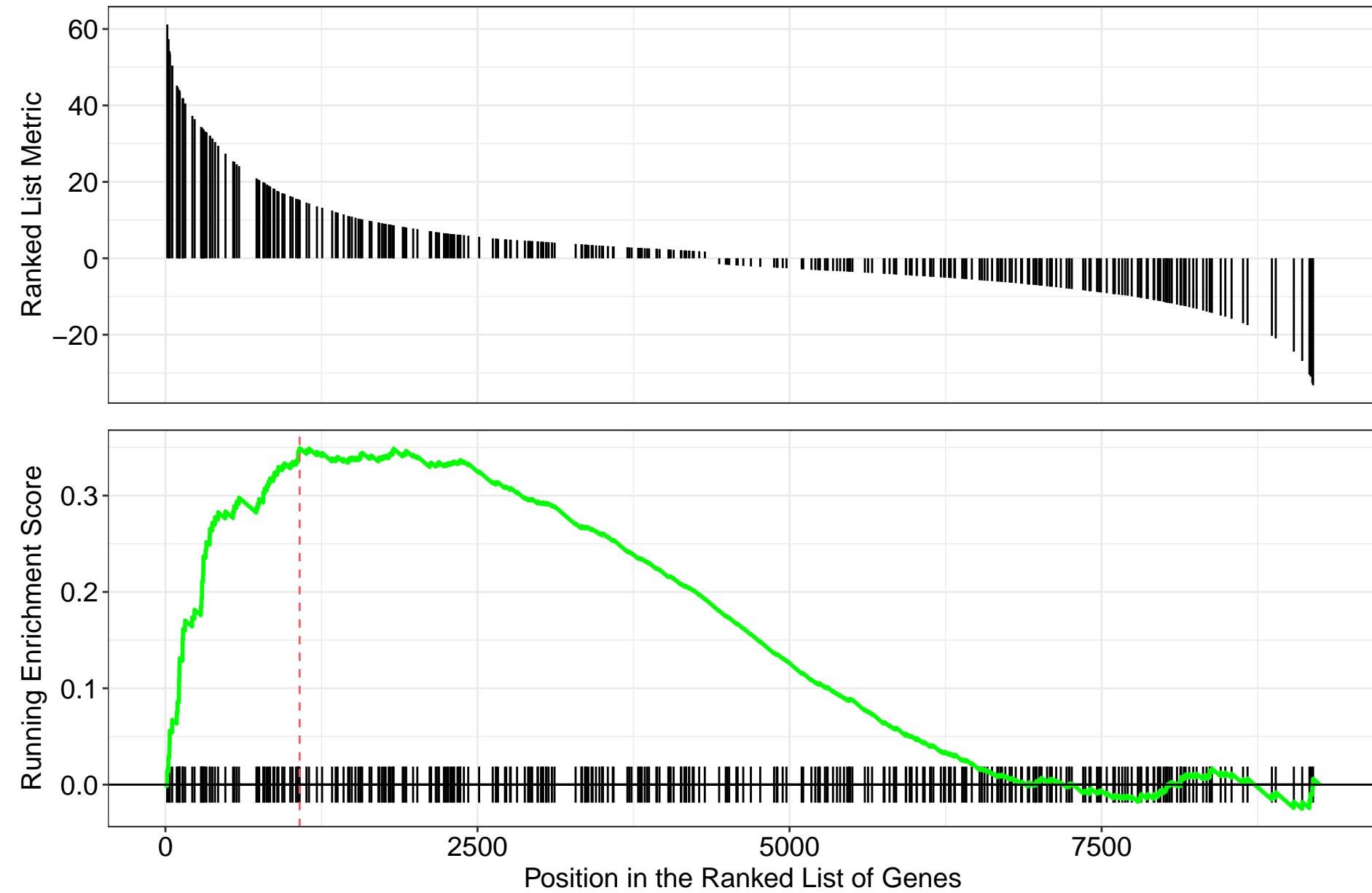
regulation of macrophage chemotaxis



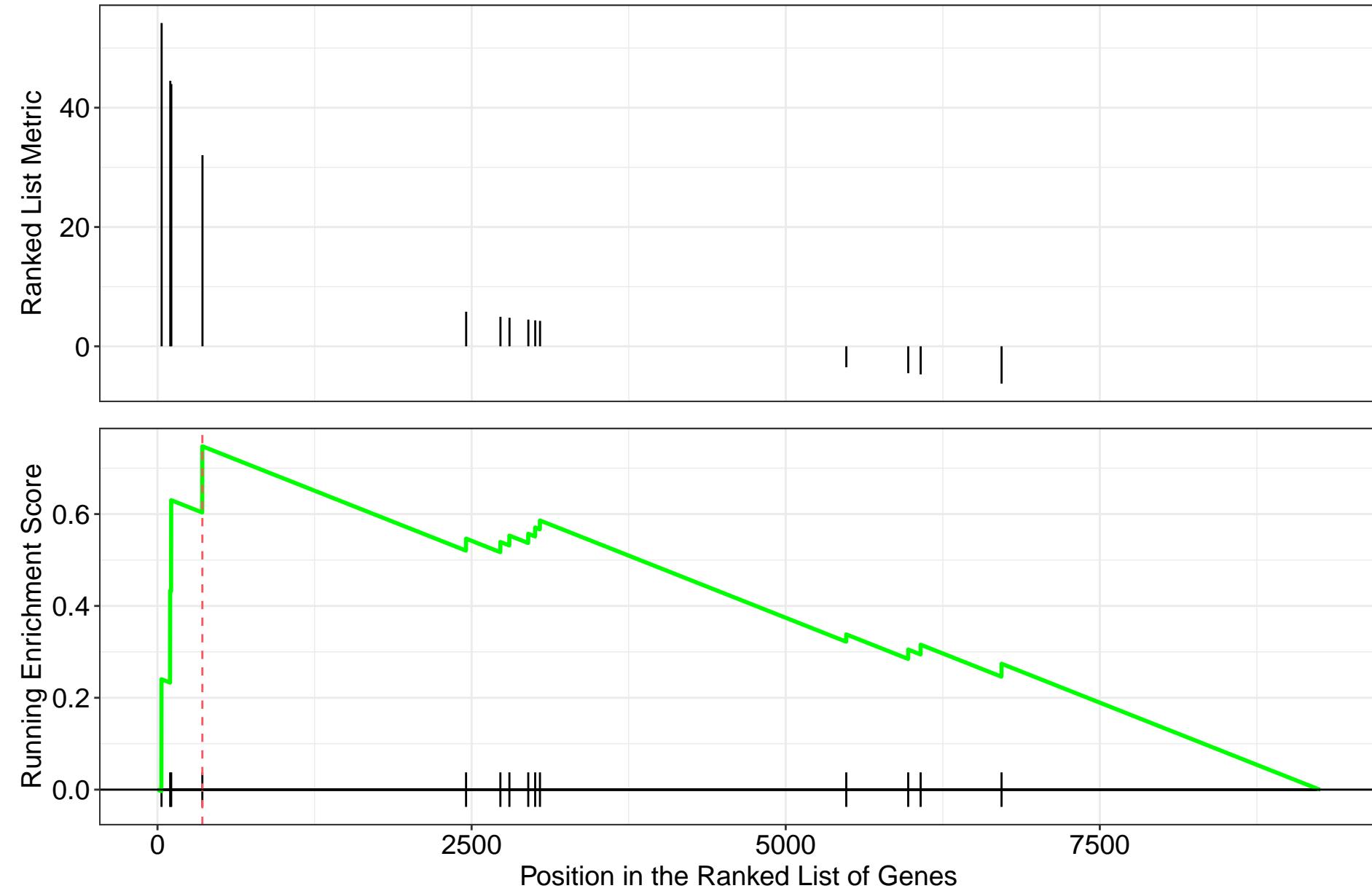
CD4-positive, alpha-beta T cell differentiation



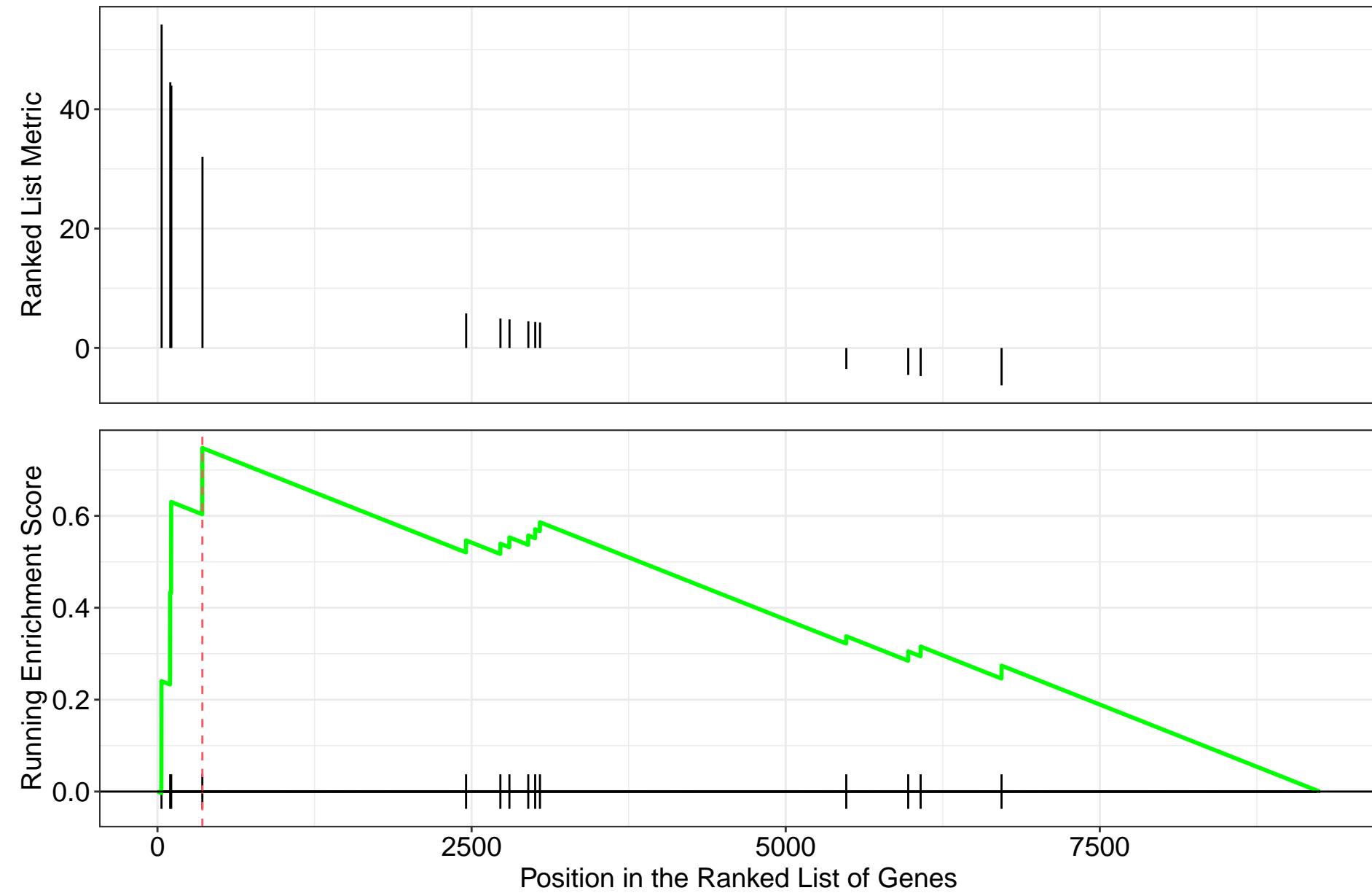
response to hormone



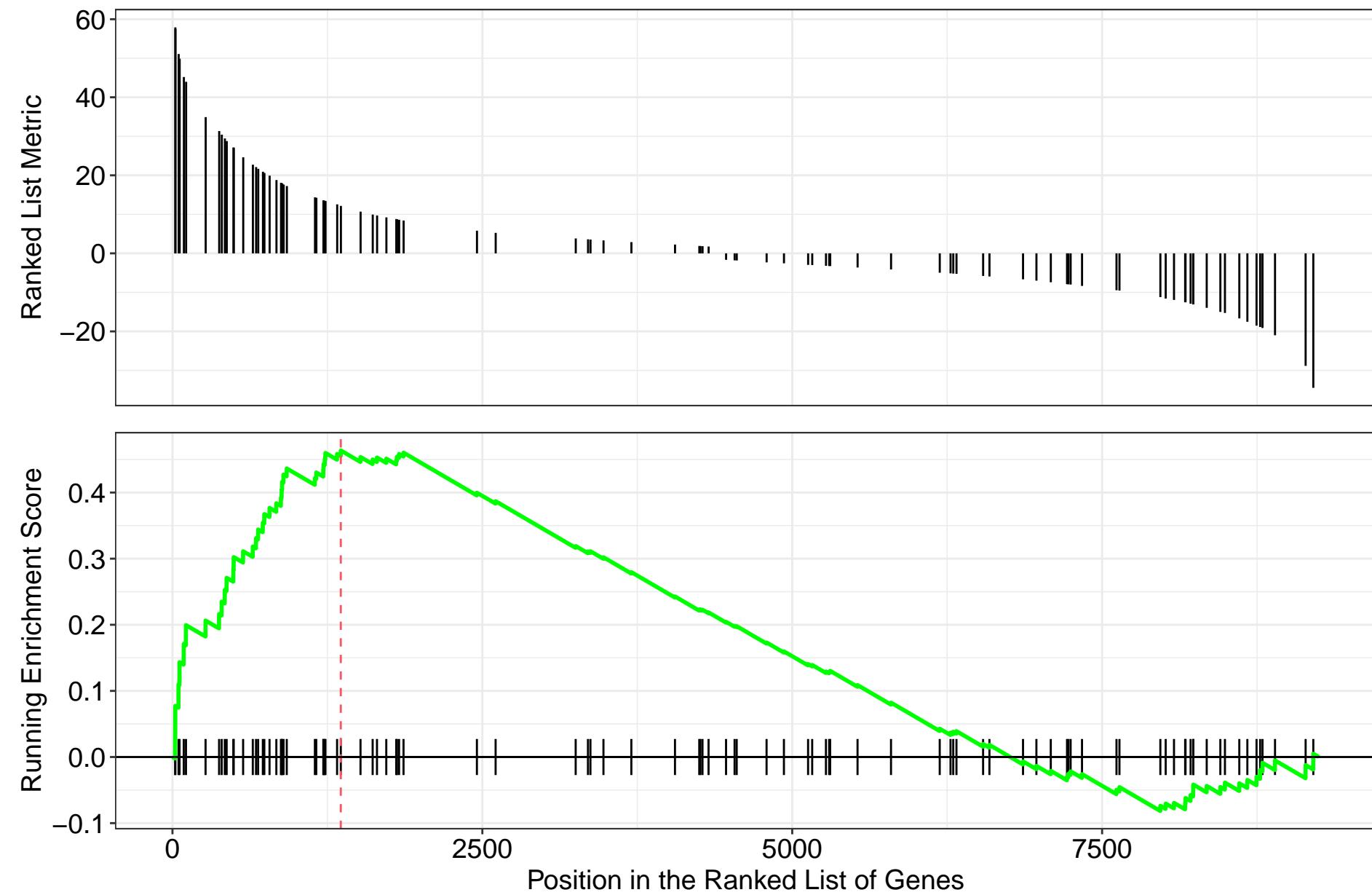
positive regulation of granulocyte chemotaxis



positive regulation of neutrophil chemotaxis



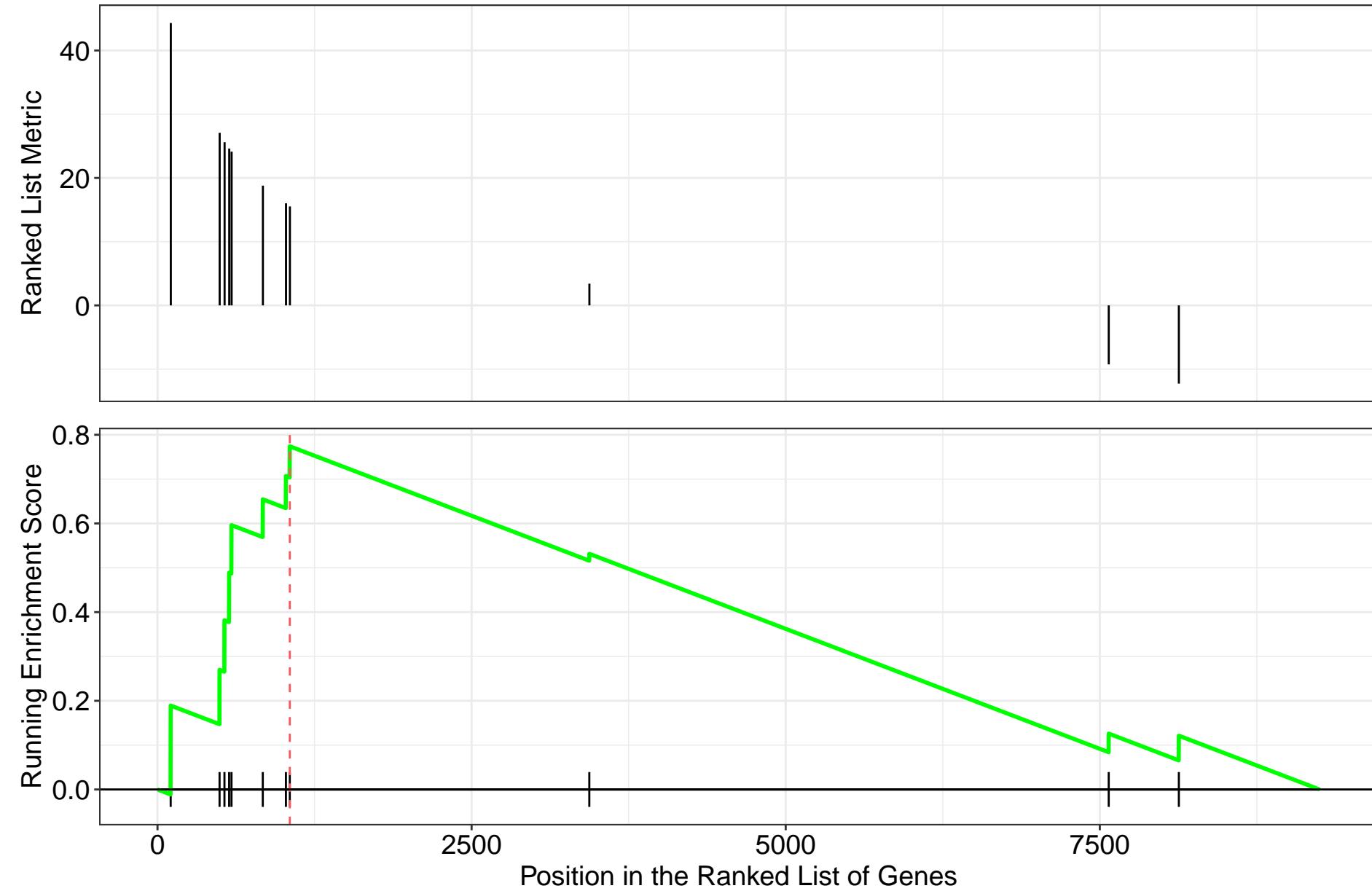
smooth muscle cell proliferation



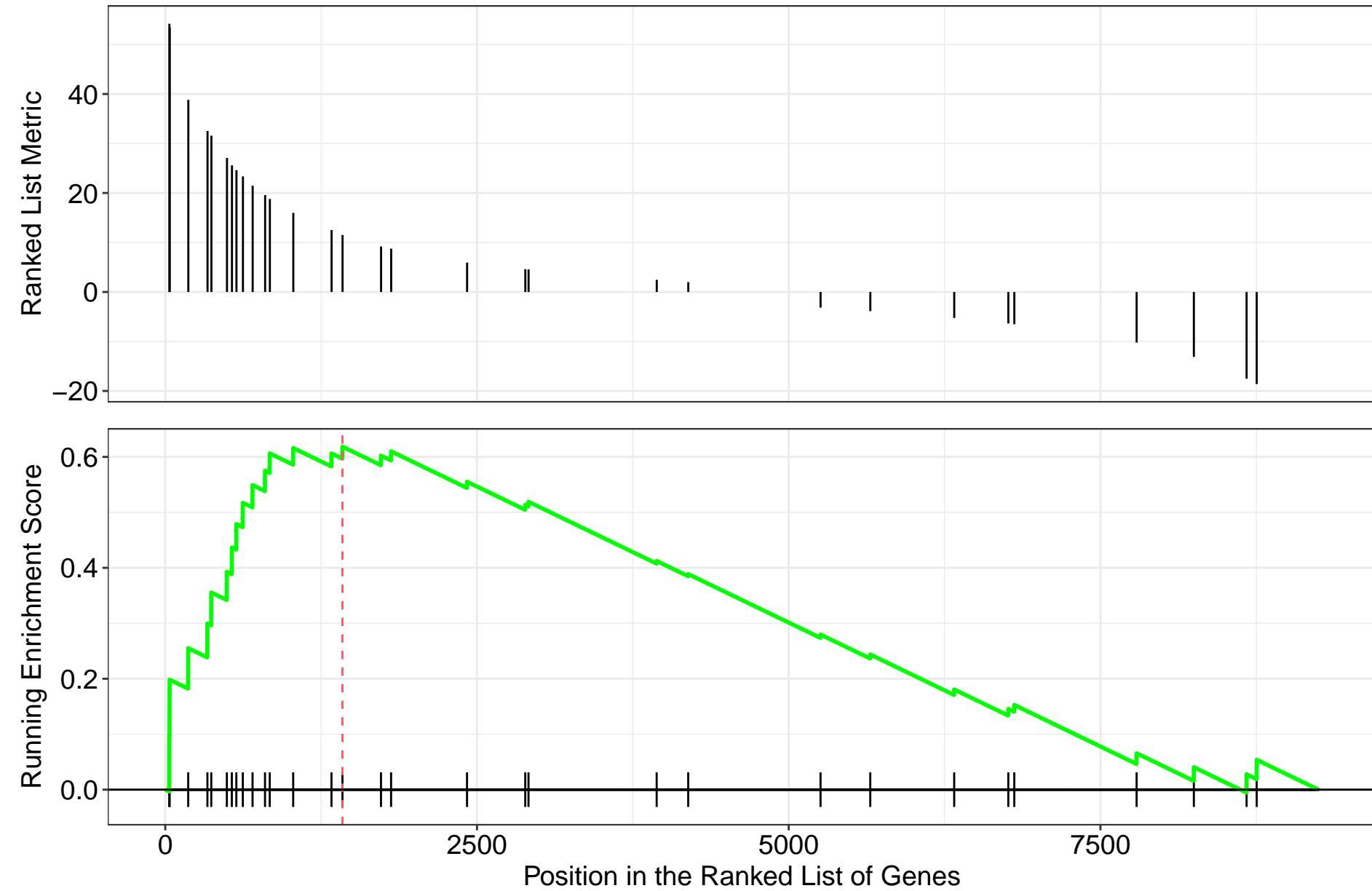
mitotic recombination



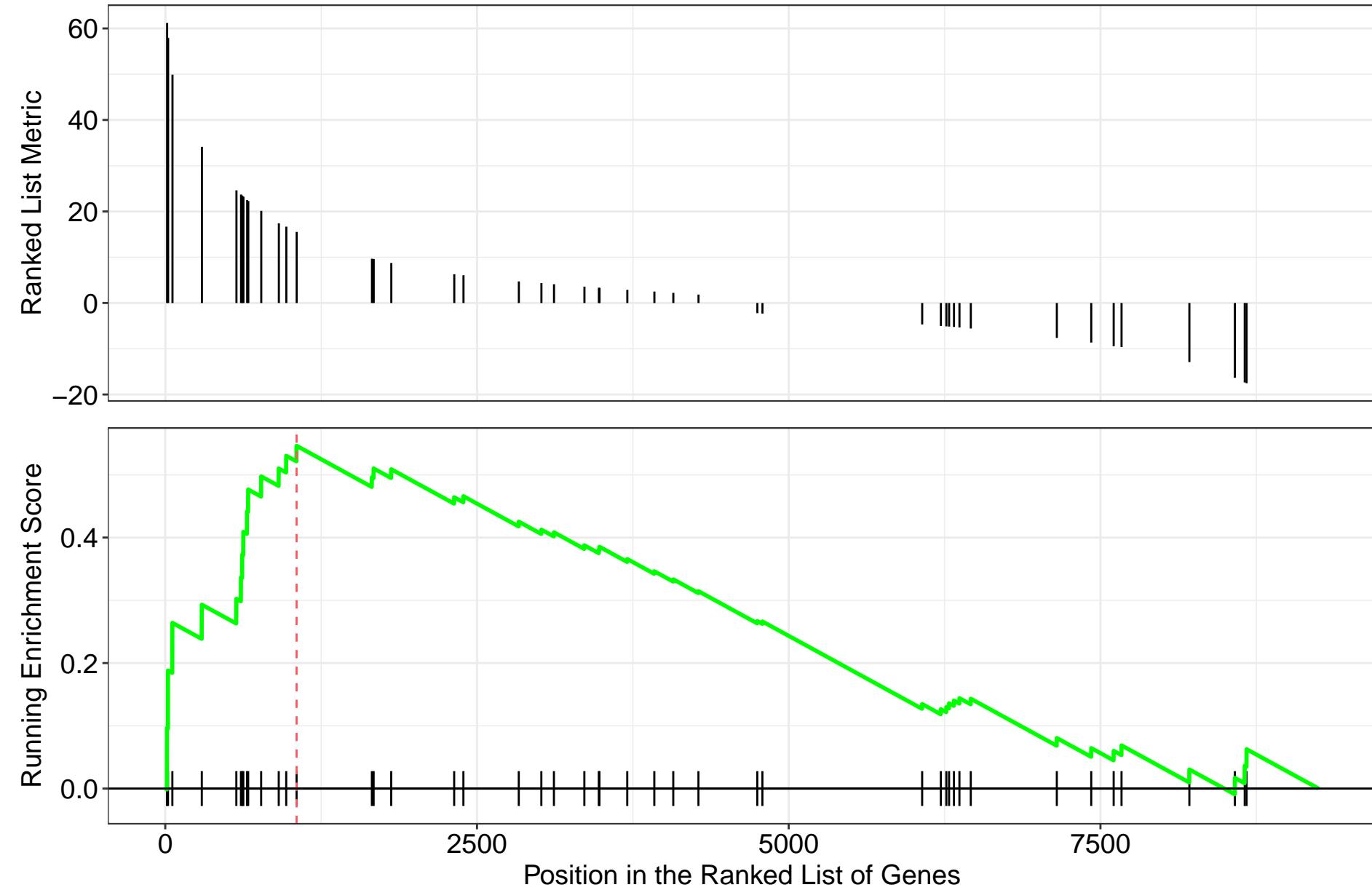
chronic inflammatory response



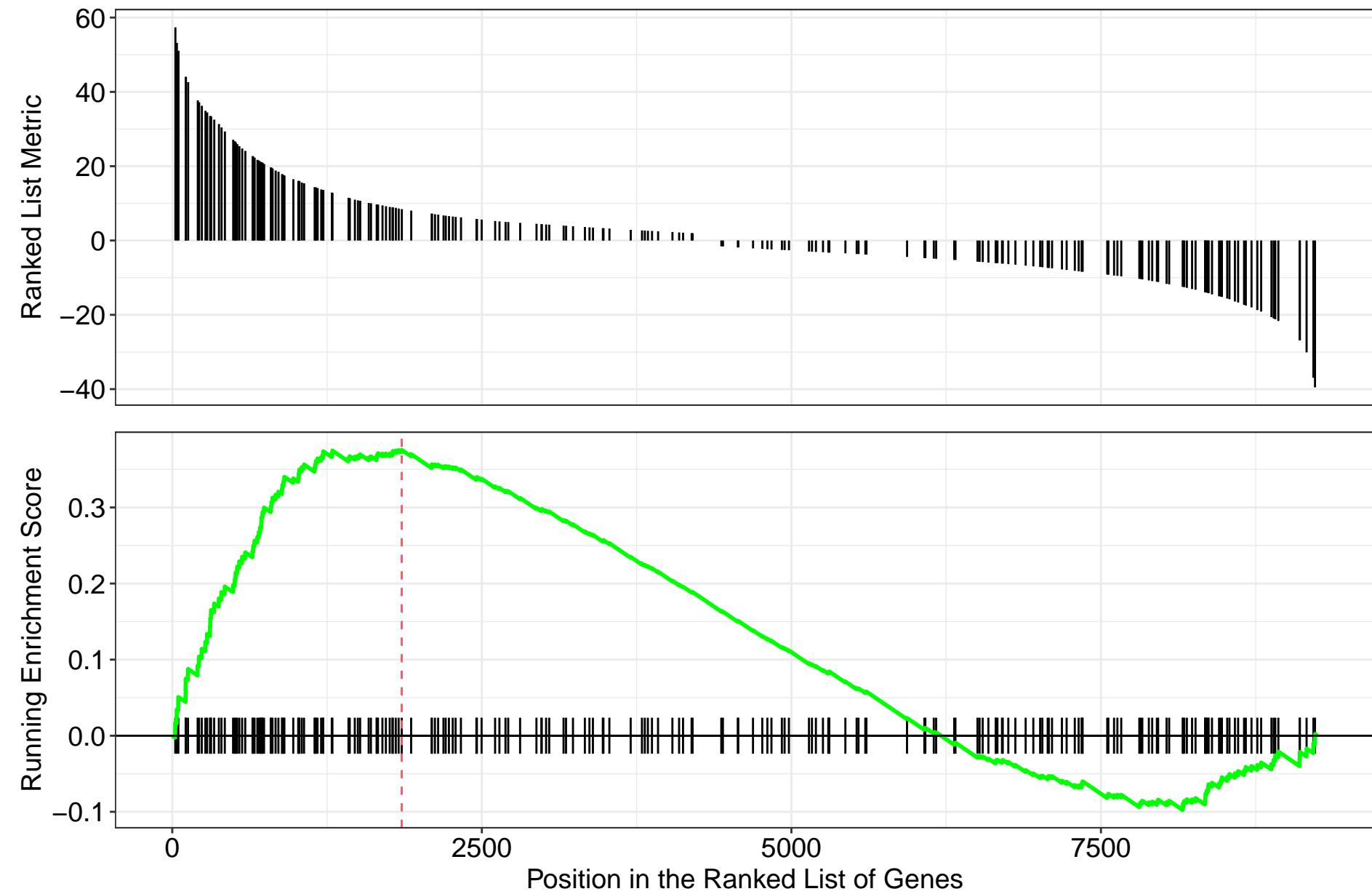
heterotypic cell–cell adhesion



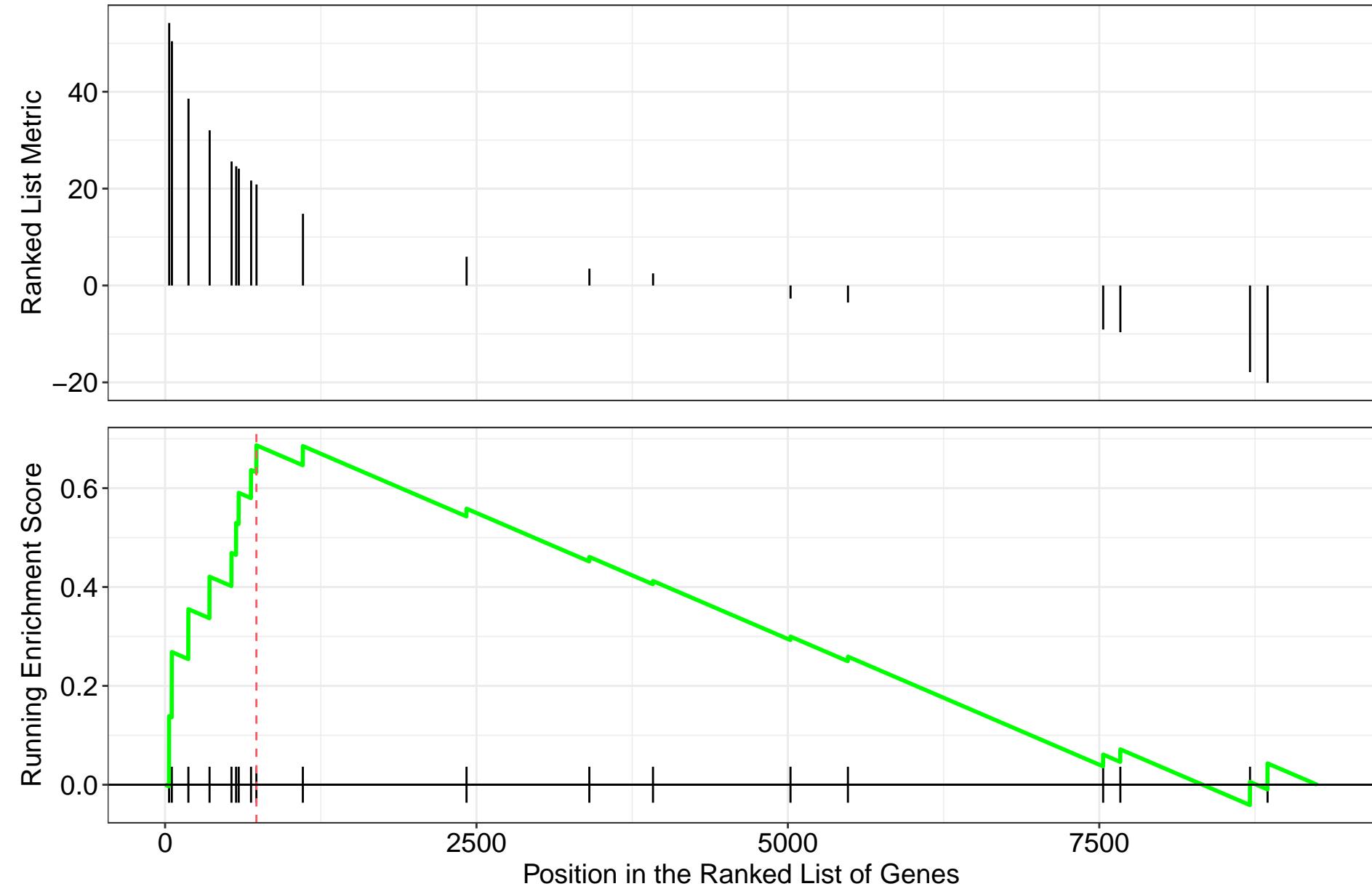
regulation of osteoclast differentiation



circulatory system process

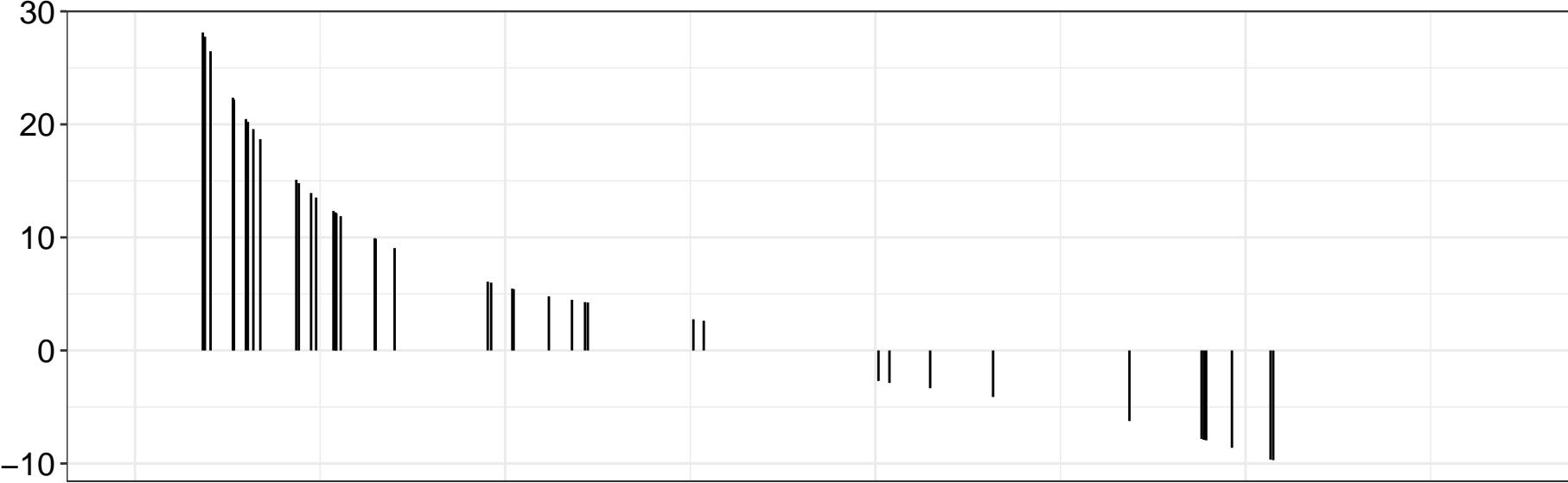


regulation of humoral immune response



antigen processing and presentation of peptide antigen

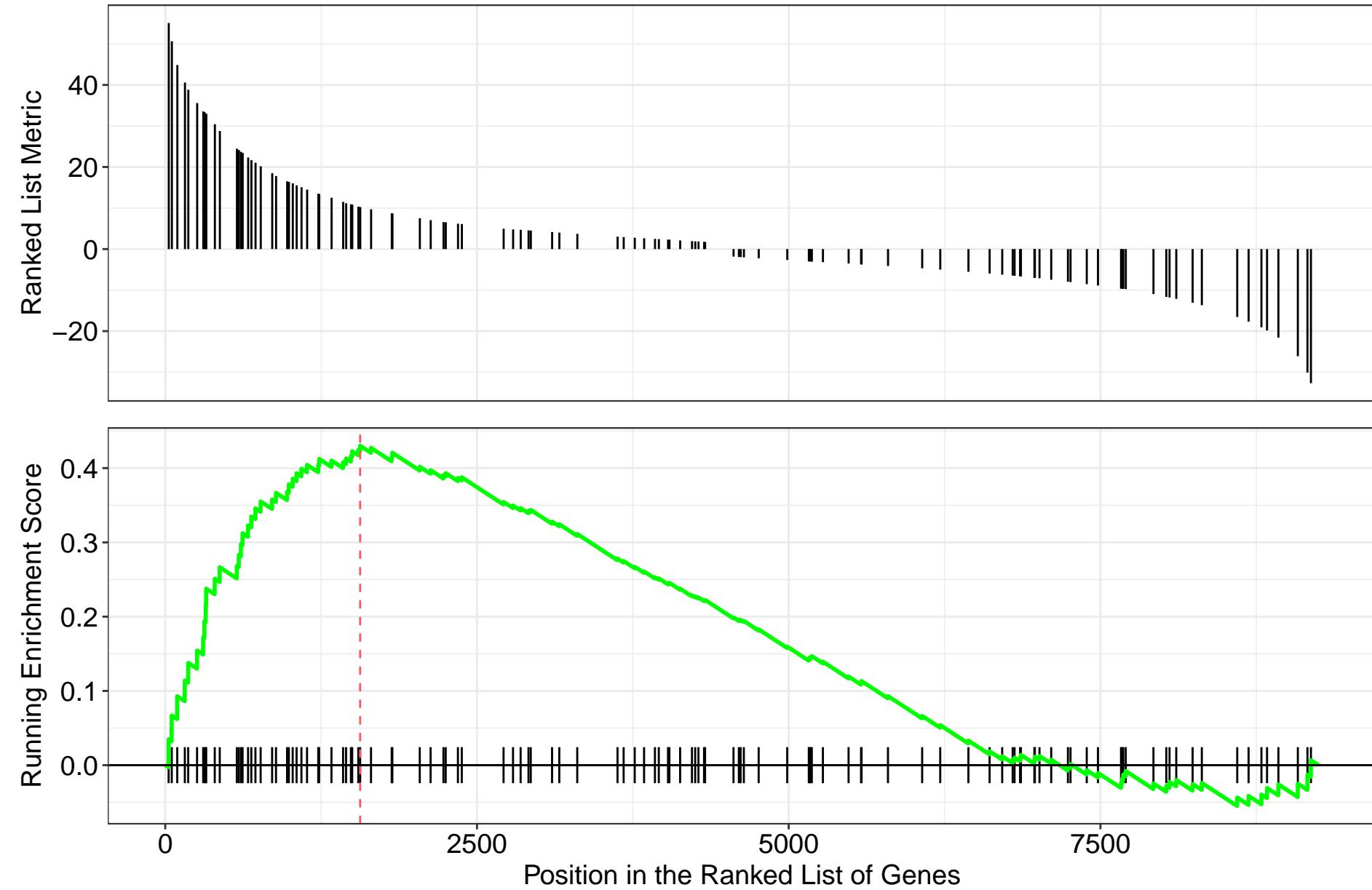
Ranked List Metric



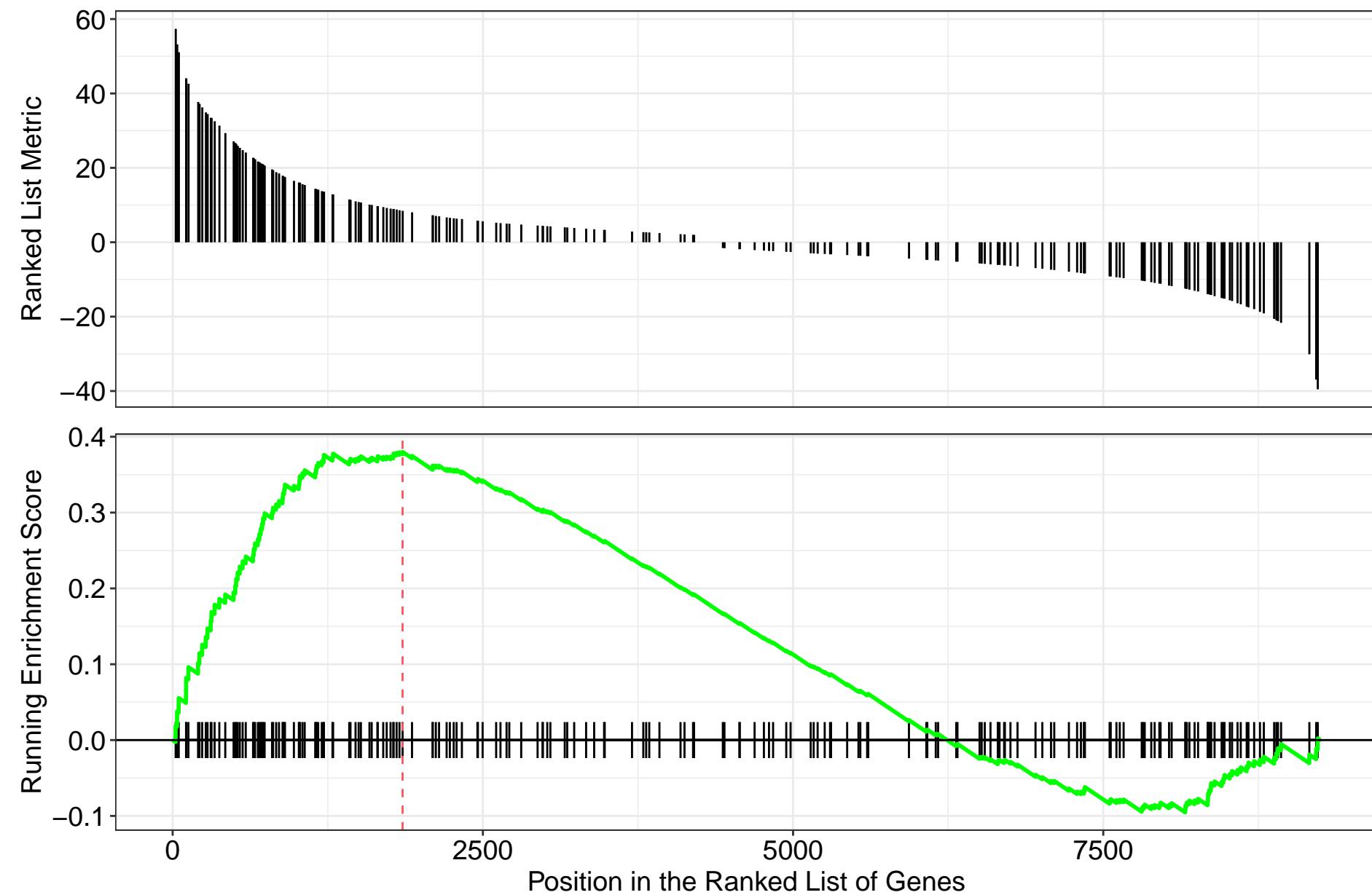
Running Enrichment Score



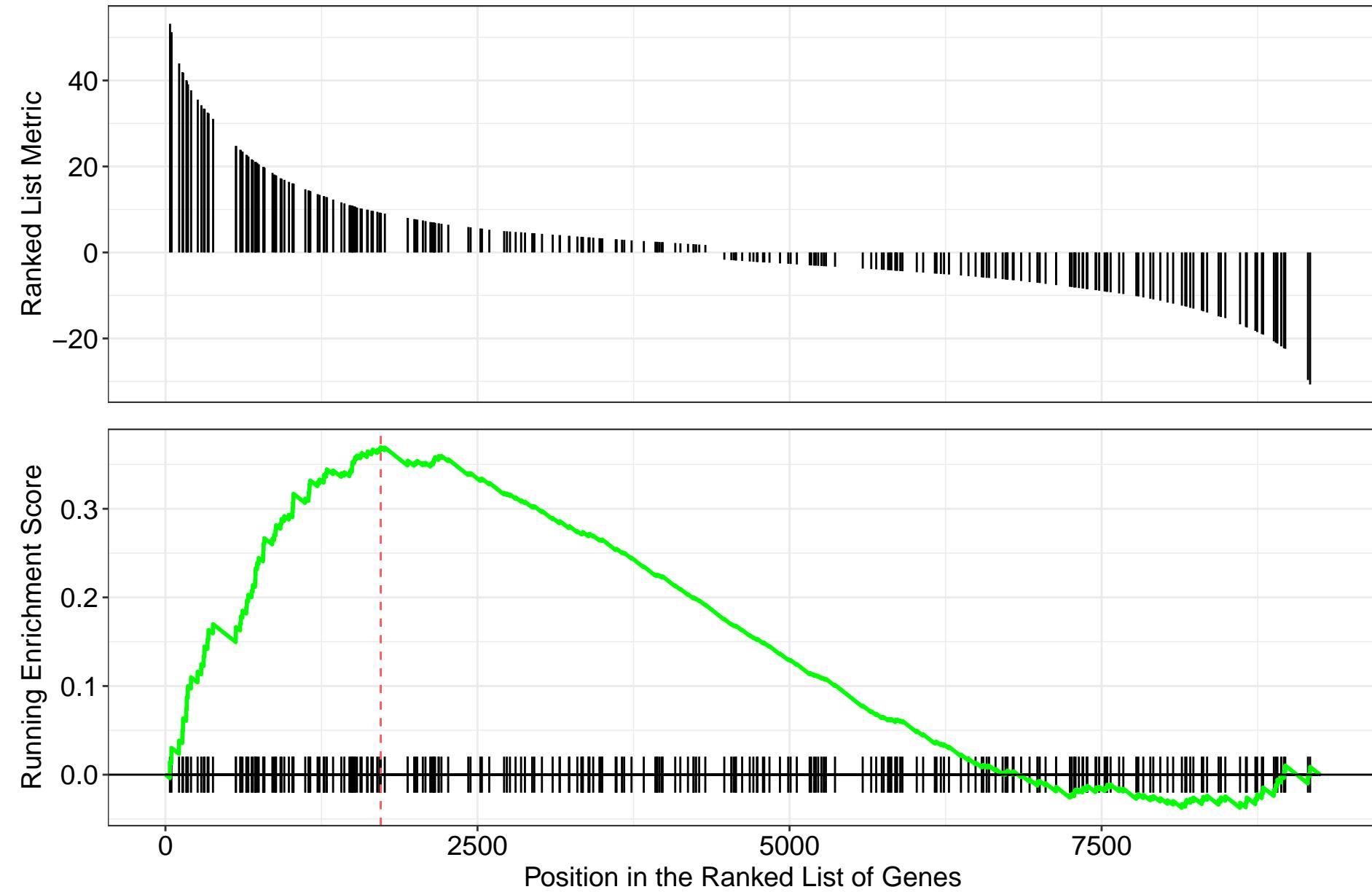
reproductive structure development



blood circulation

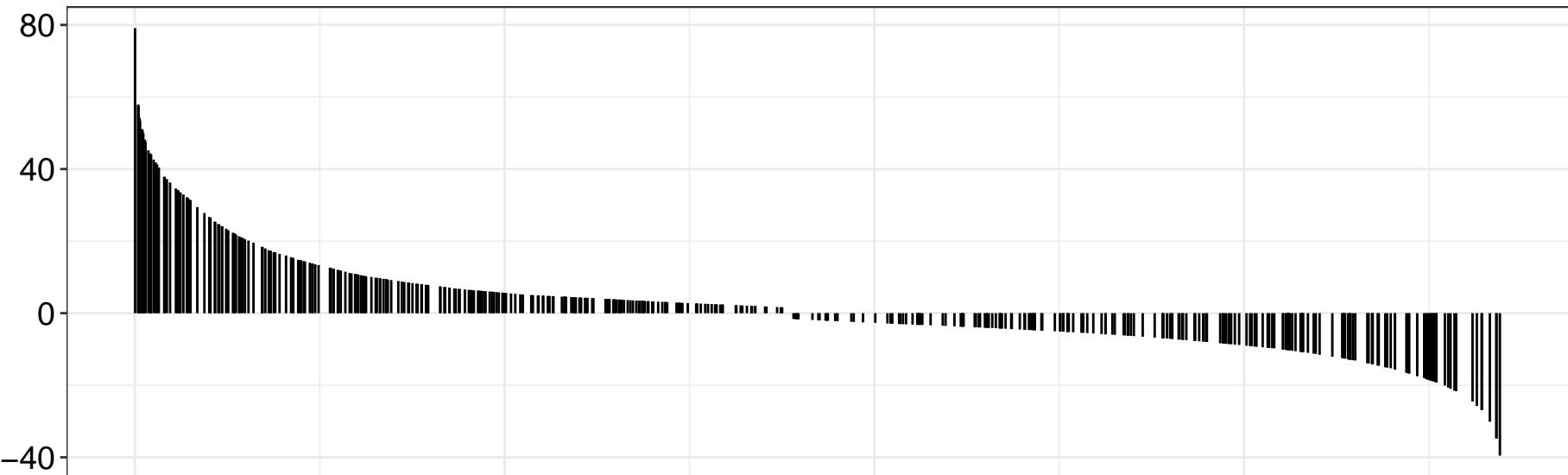


heart development



secretion

Ranked List Metric



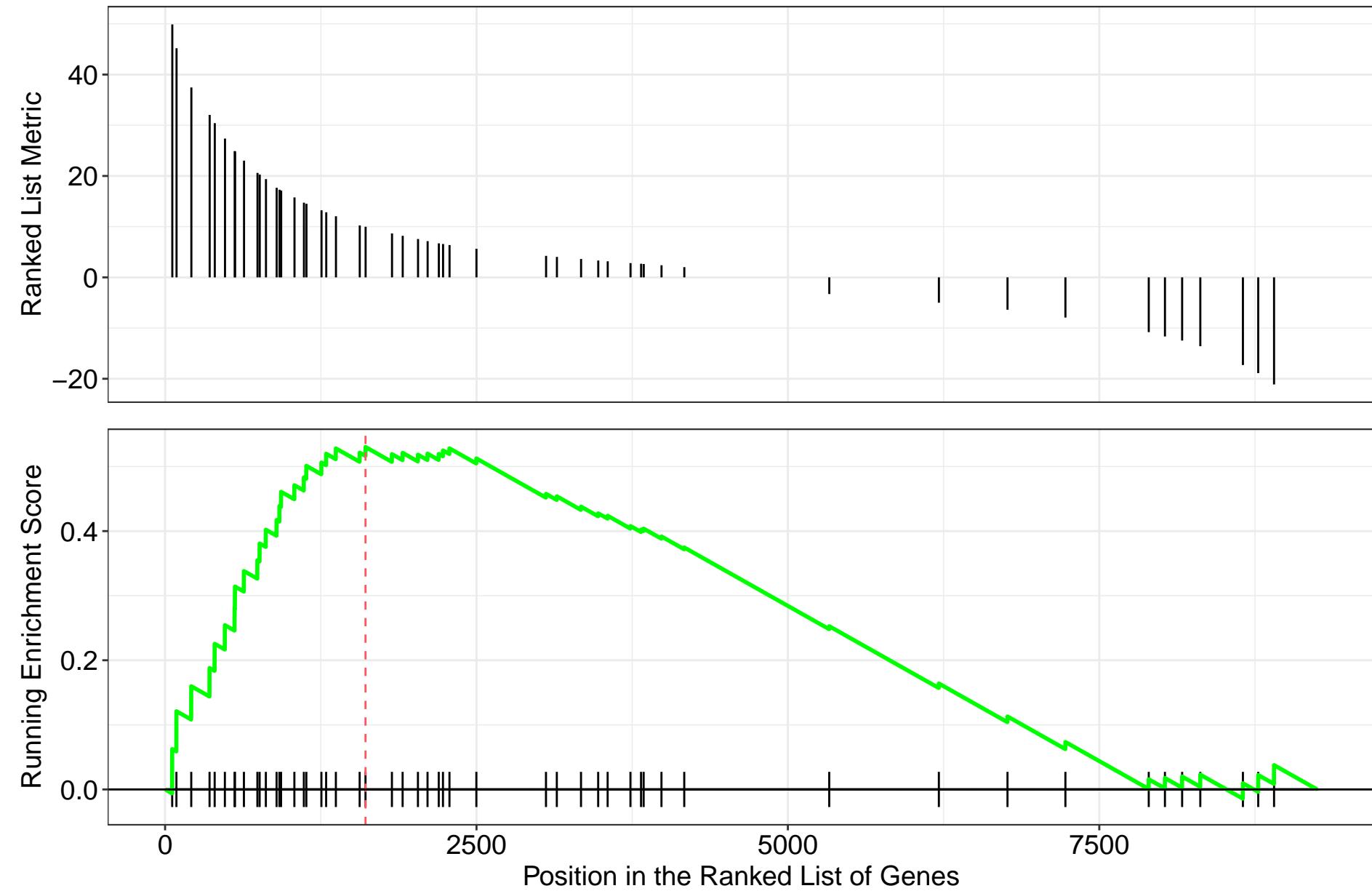
Running Enrichment Score

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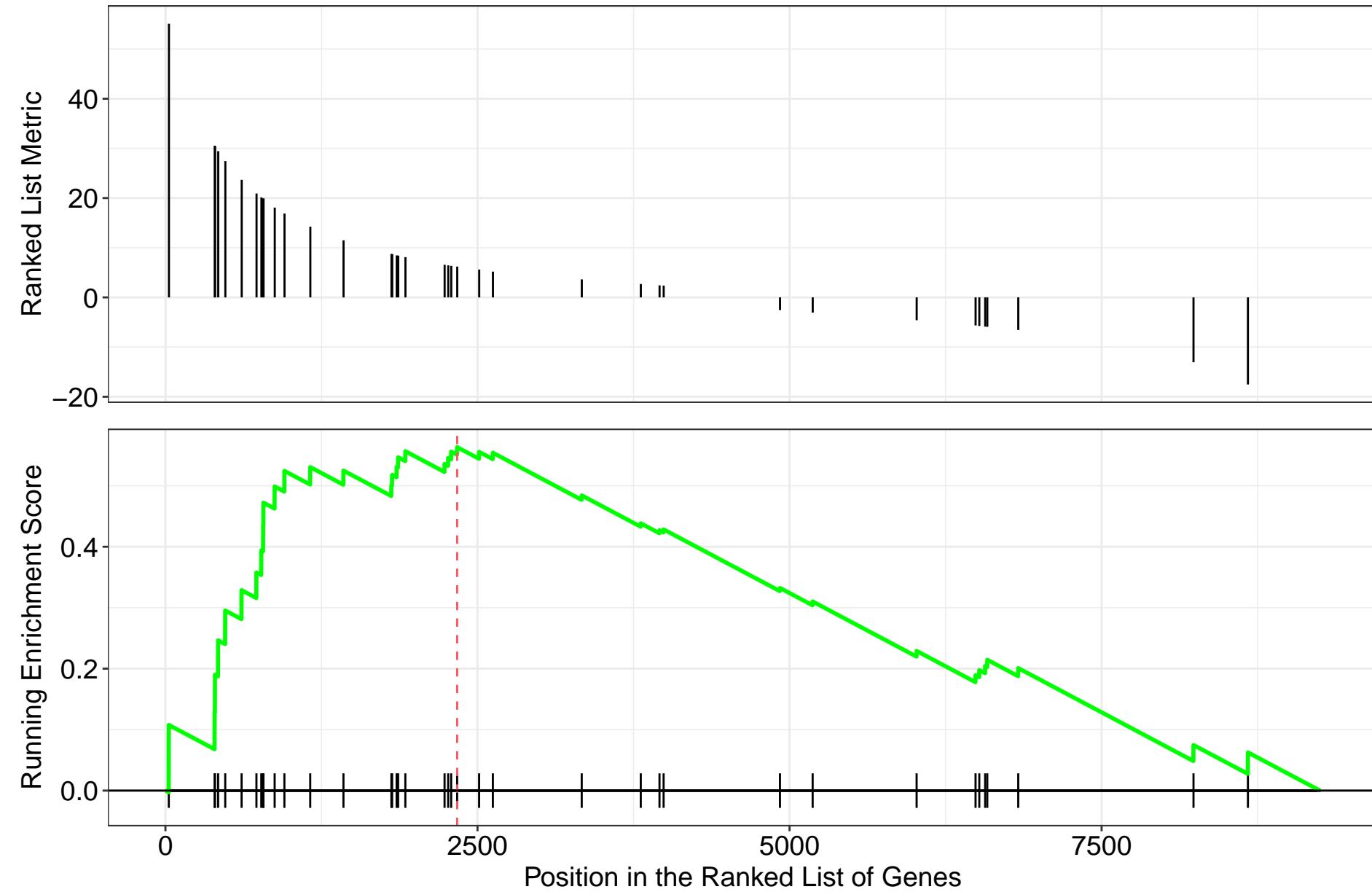
Position in the Ranked List of Genes



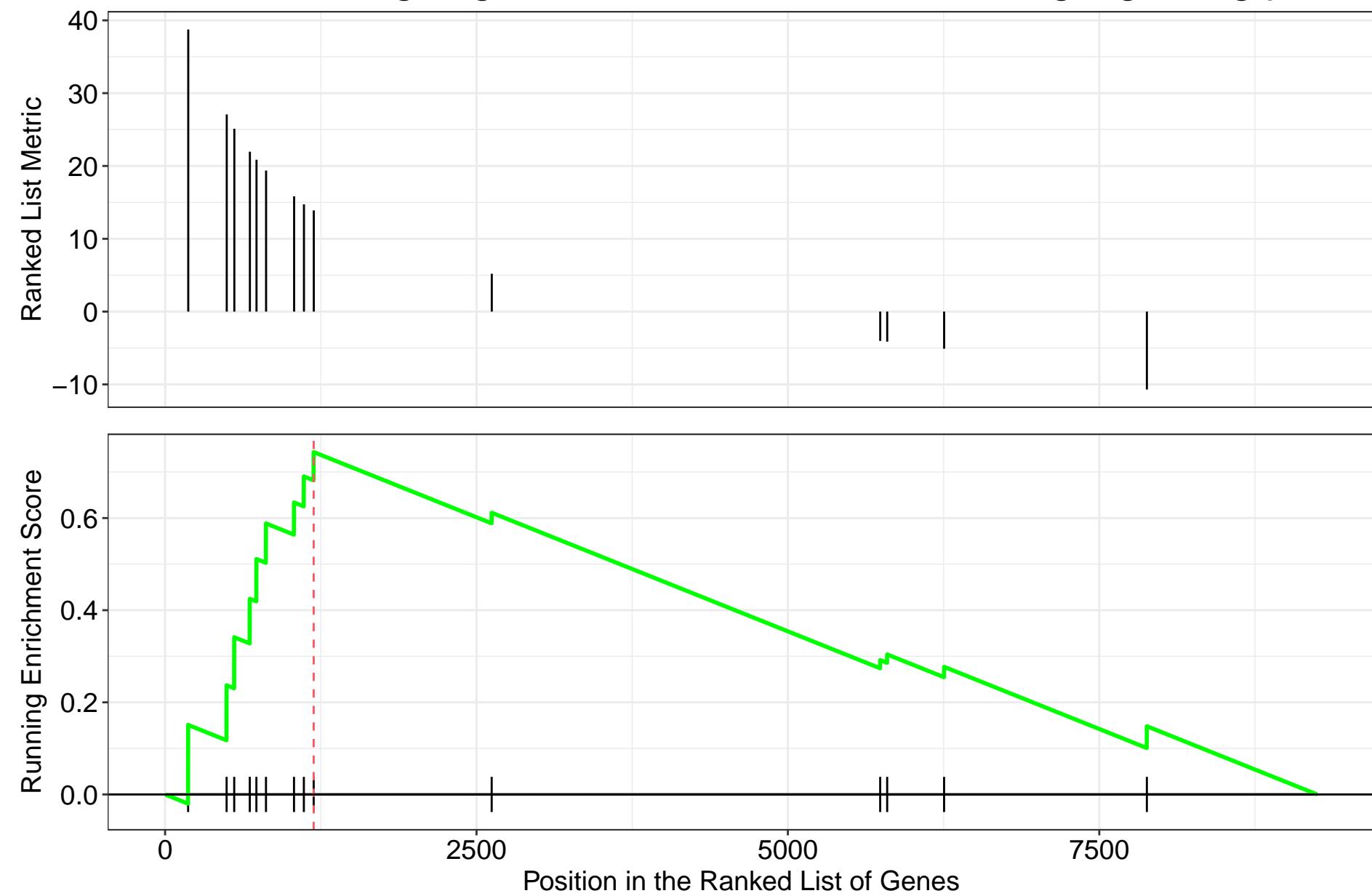
T cell differentiation involved in immune response



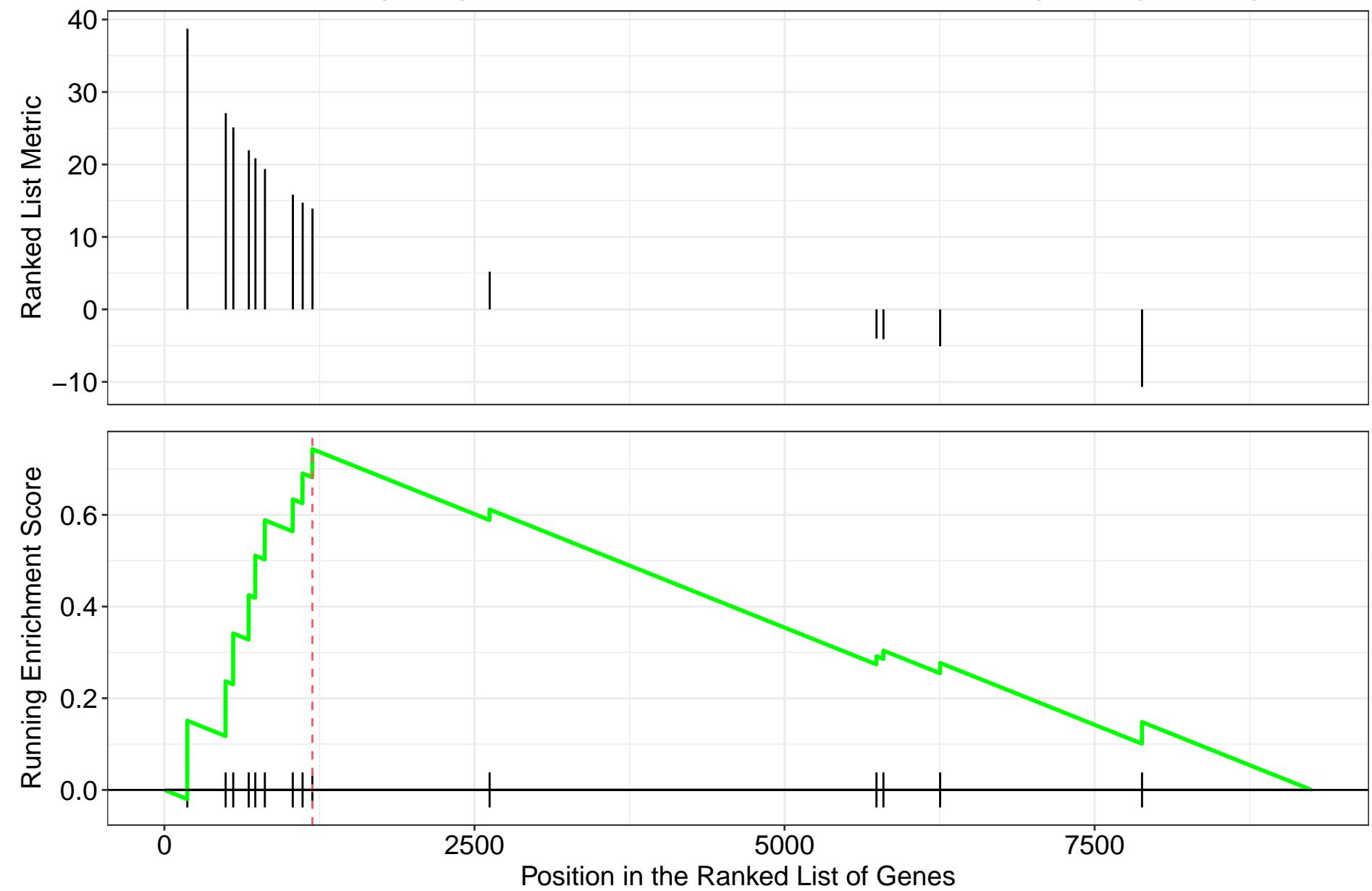
platelet-derived growth factor receptor signaling pathway



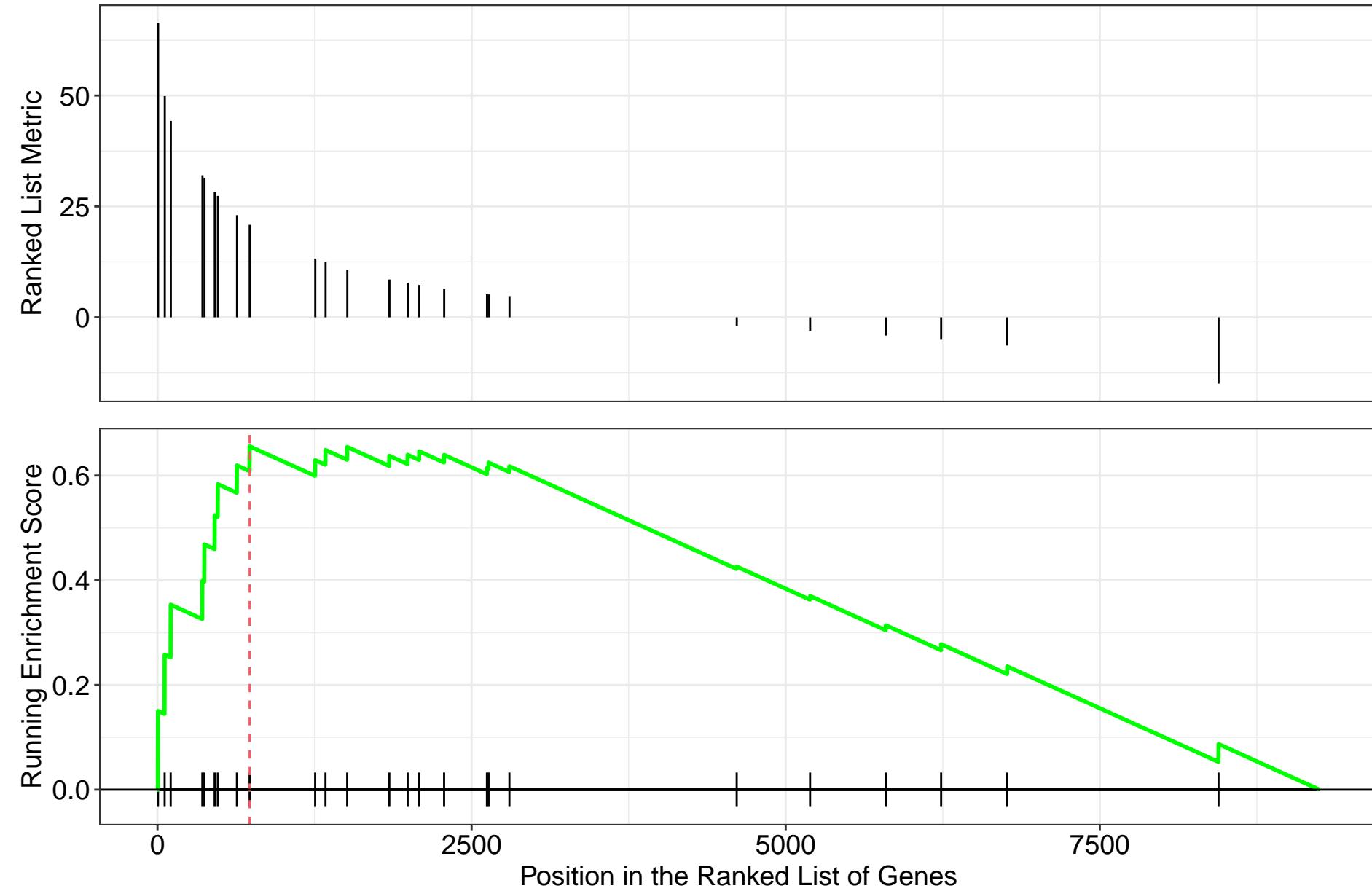
nucleotide–binding oligomerization domain containing signaling pathway



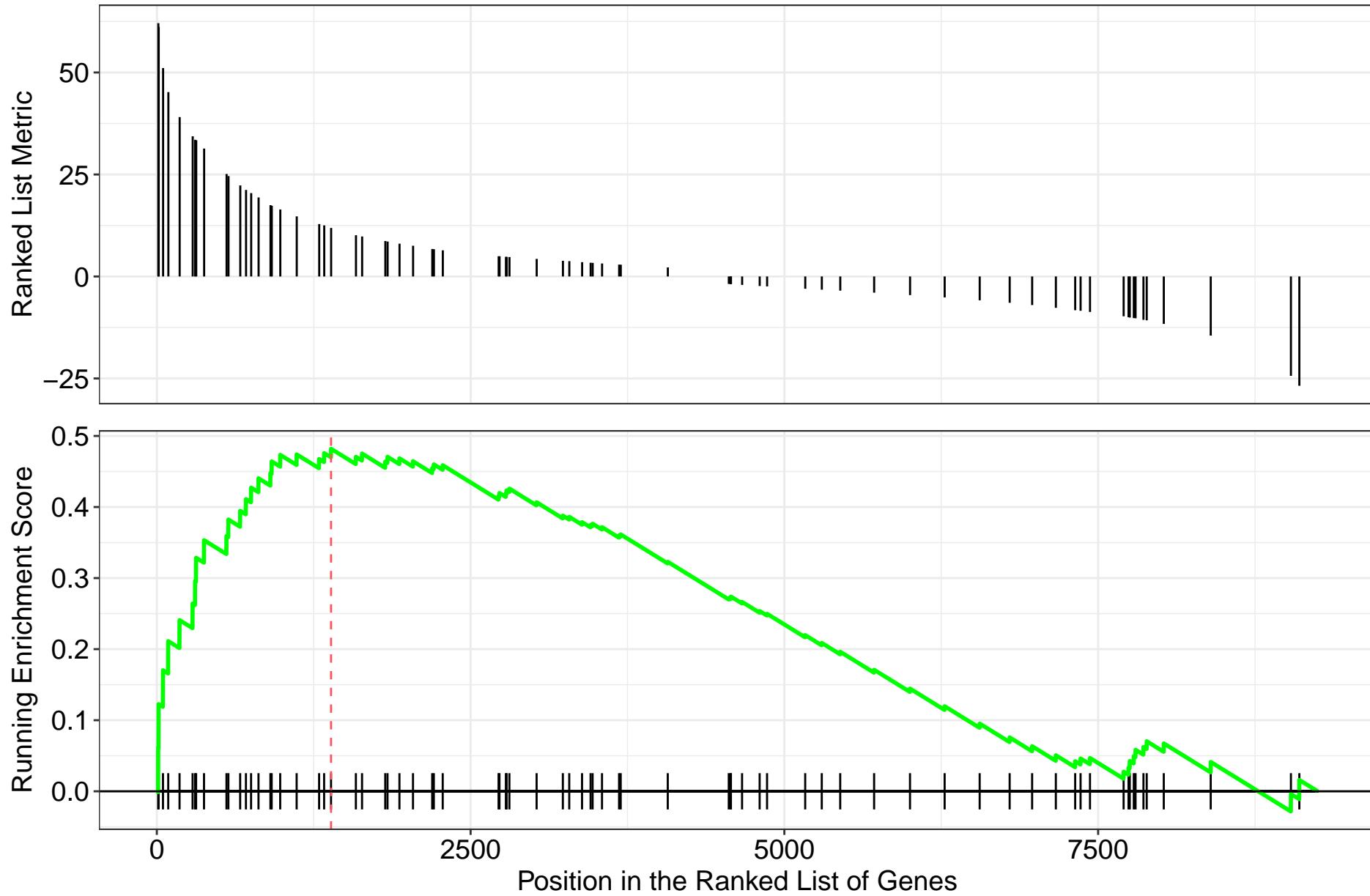
nucleotide–binding oligomerization domain containing 2 signaling pathway



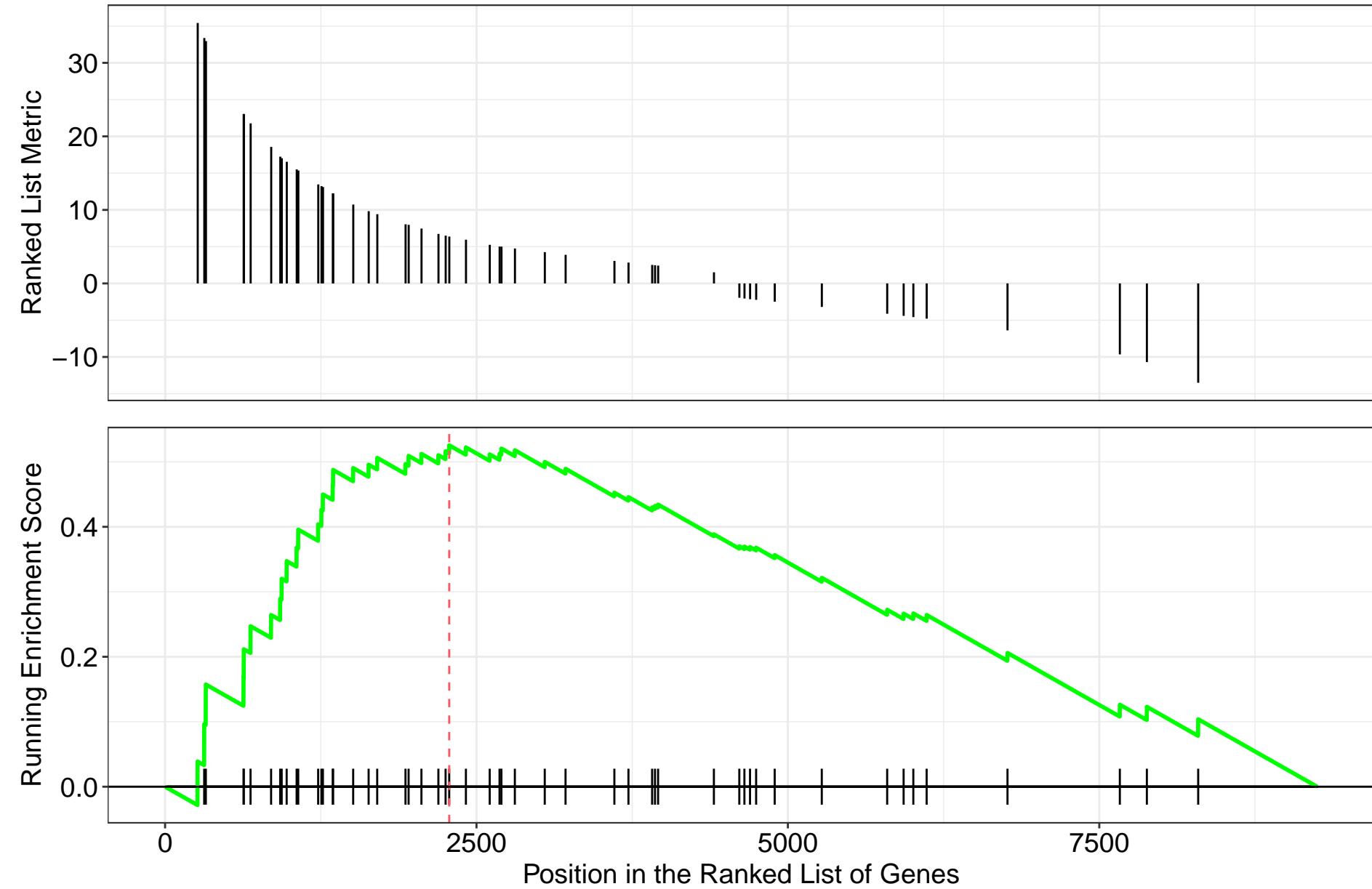
positive regulation of interleukin–12 production



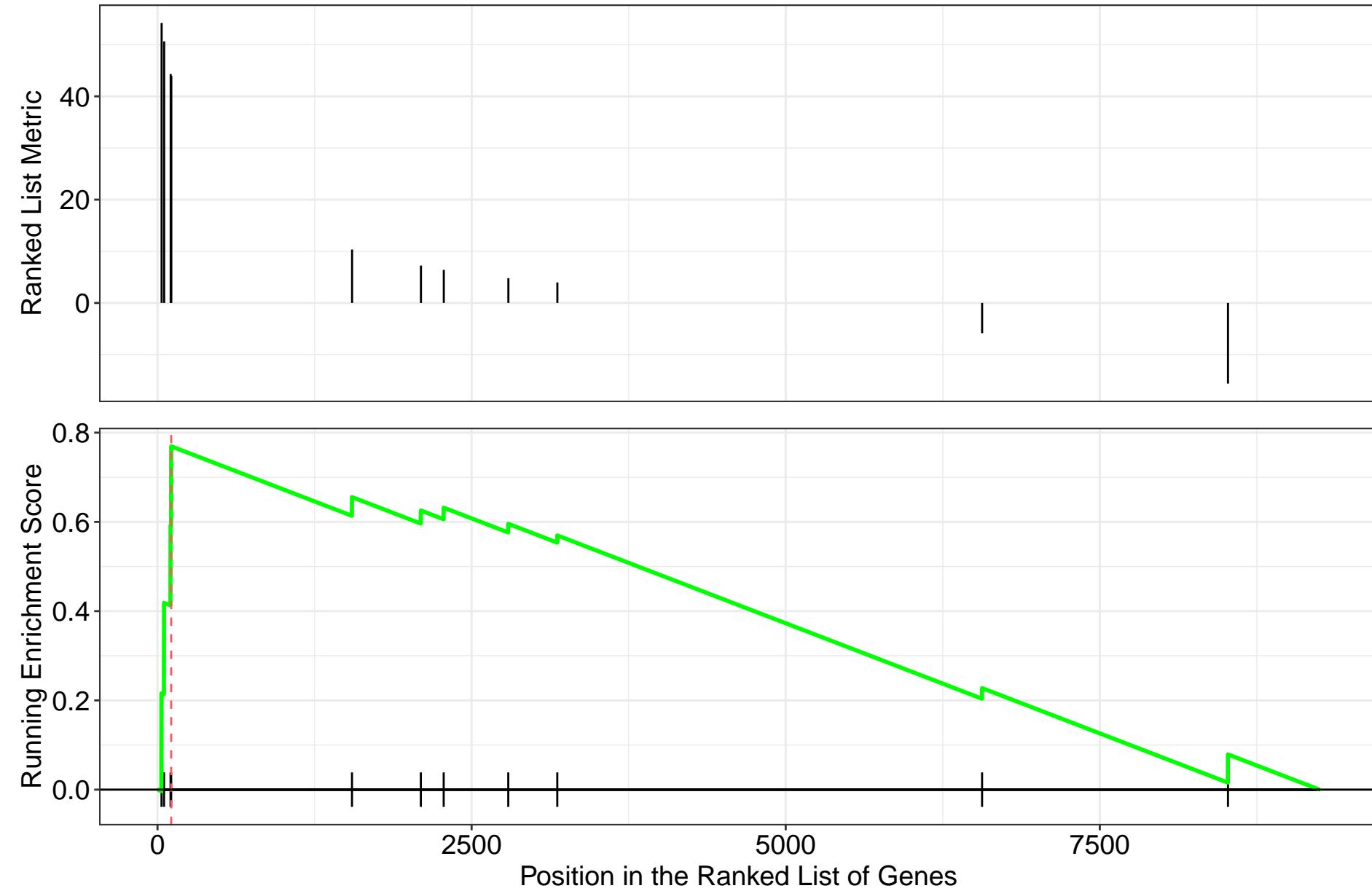
regulation of peptidyl–serine phosphorylation



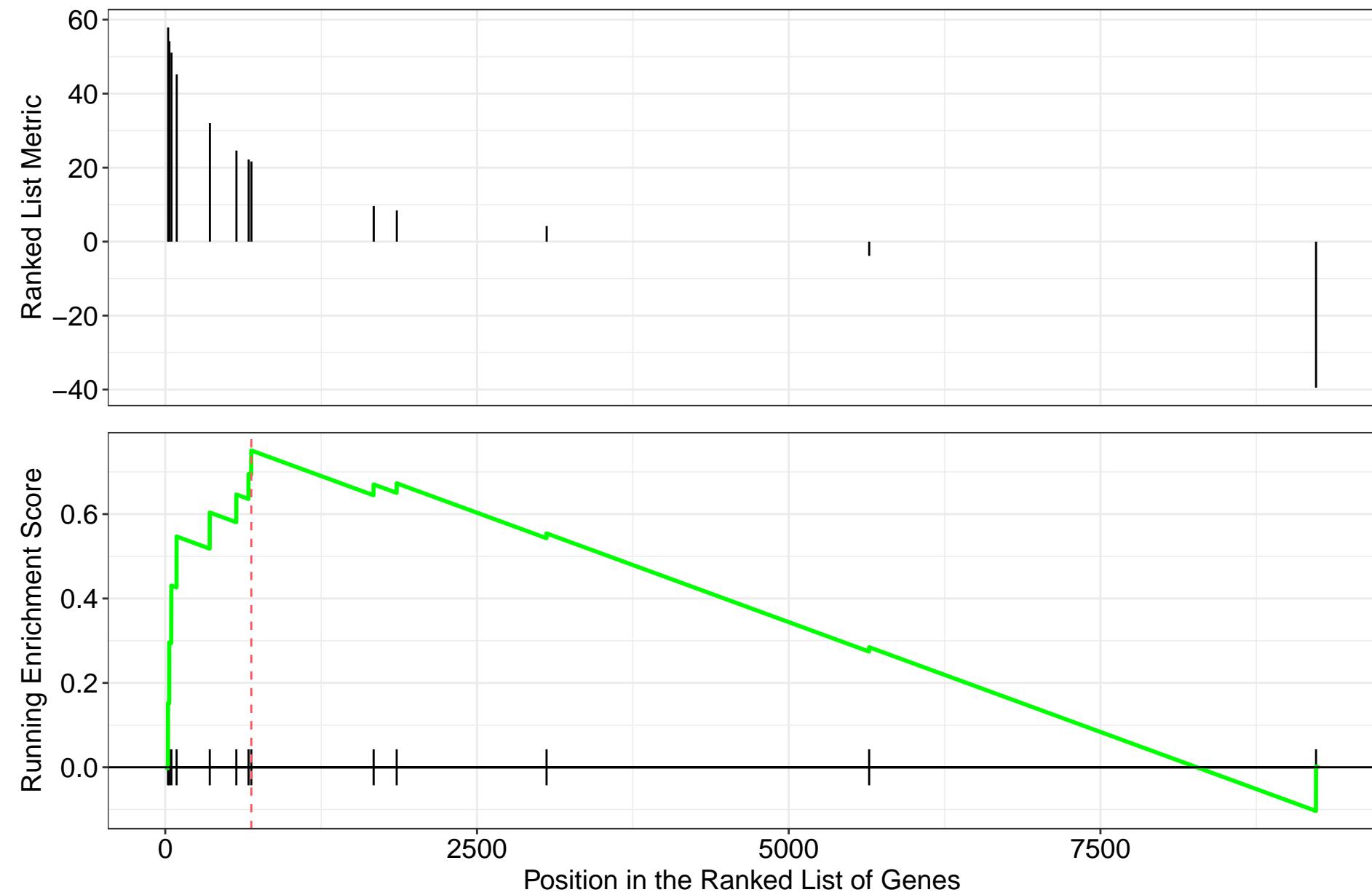
positive regulation of type I interferon production



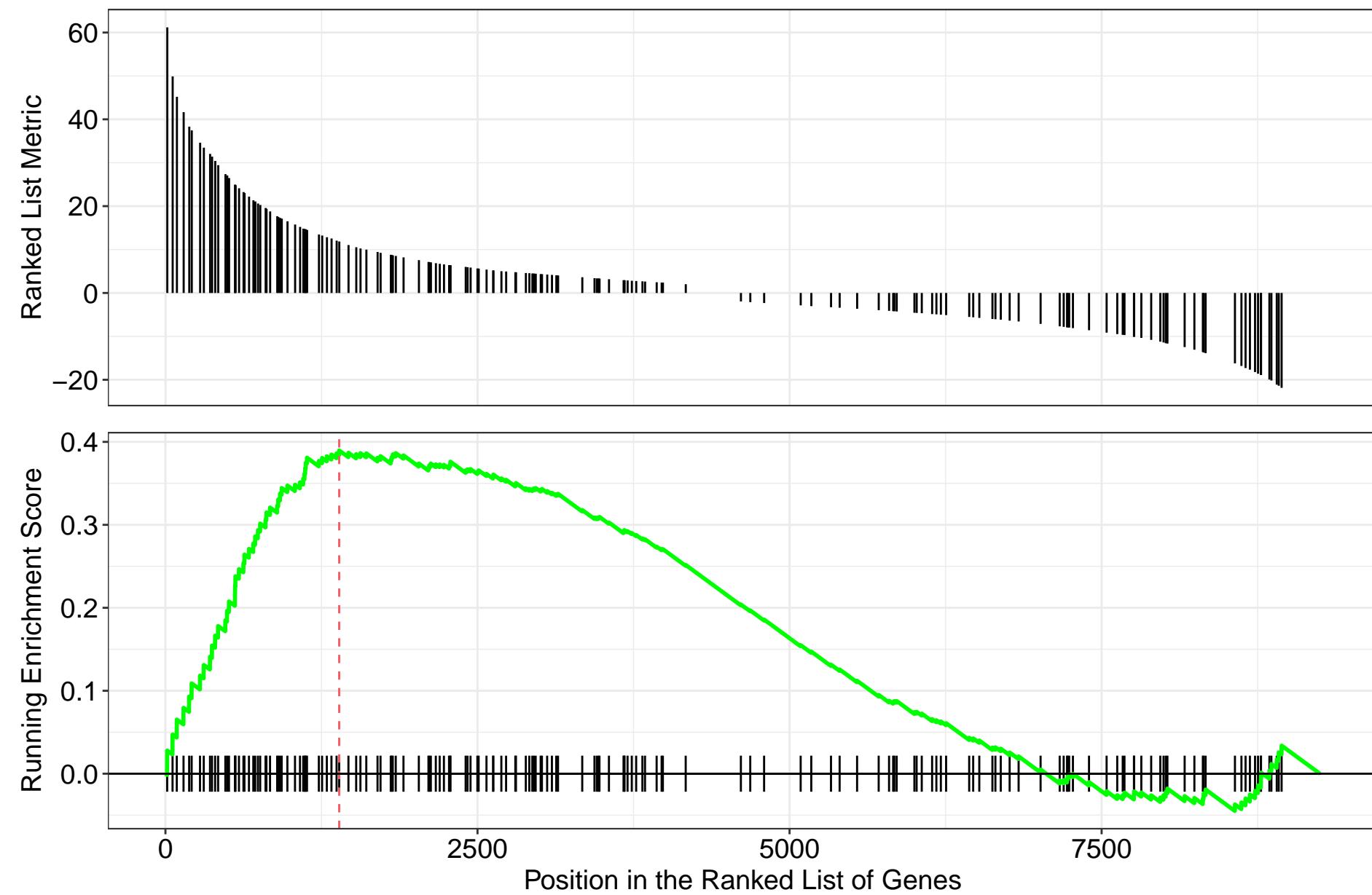
regulation of prostaglandin secretion



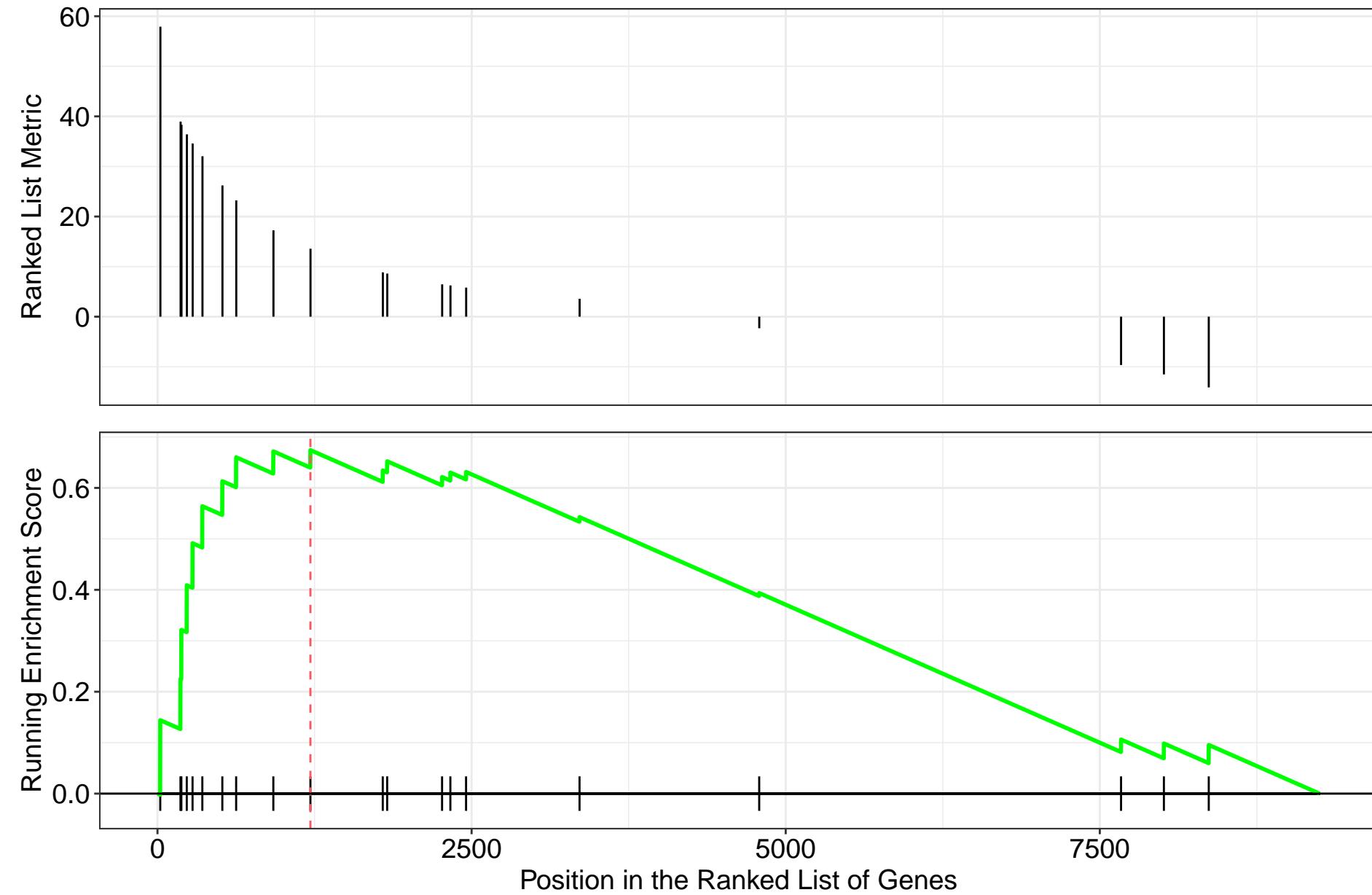
positive regulation of acute inflammatory response



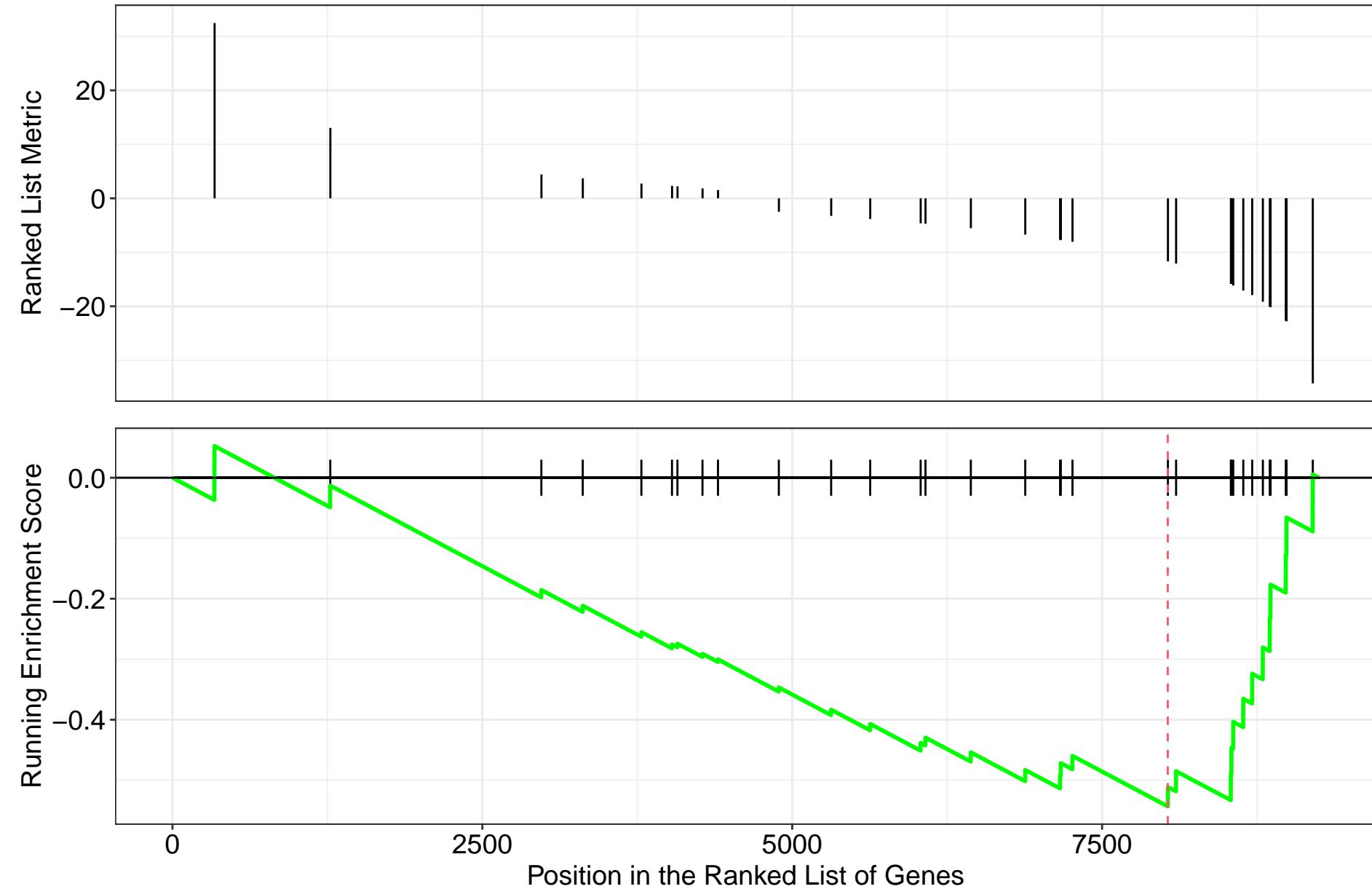
leukocyte activation involved in immune response



positive regulation of macrophage migration

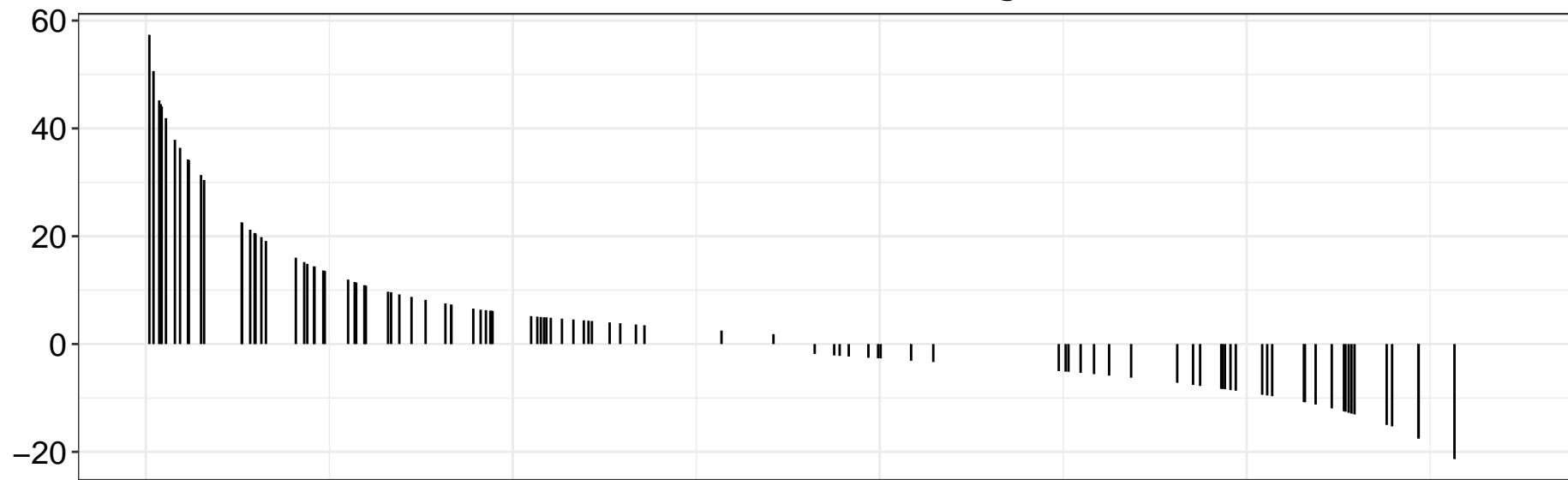


sister chromatid cohesion



tissue remodeling

Ranked List Metric



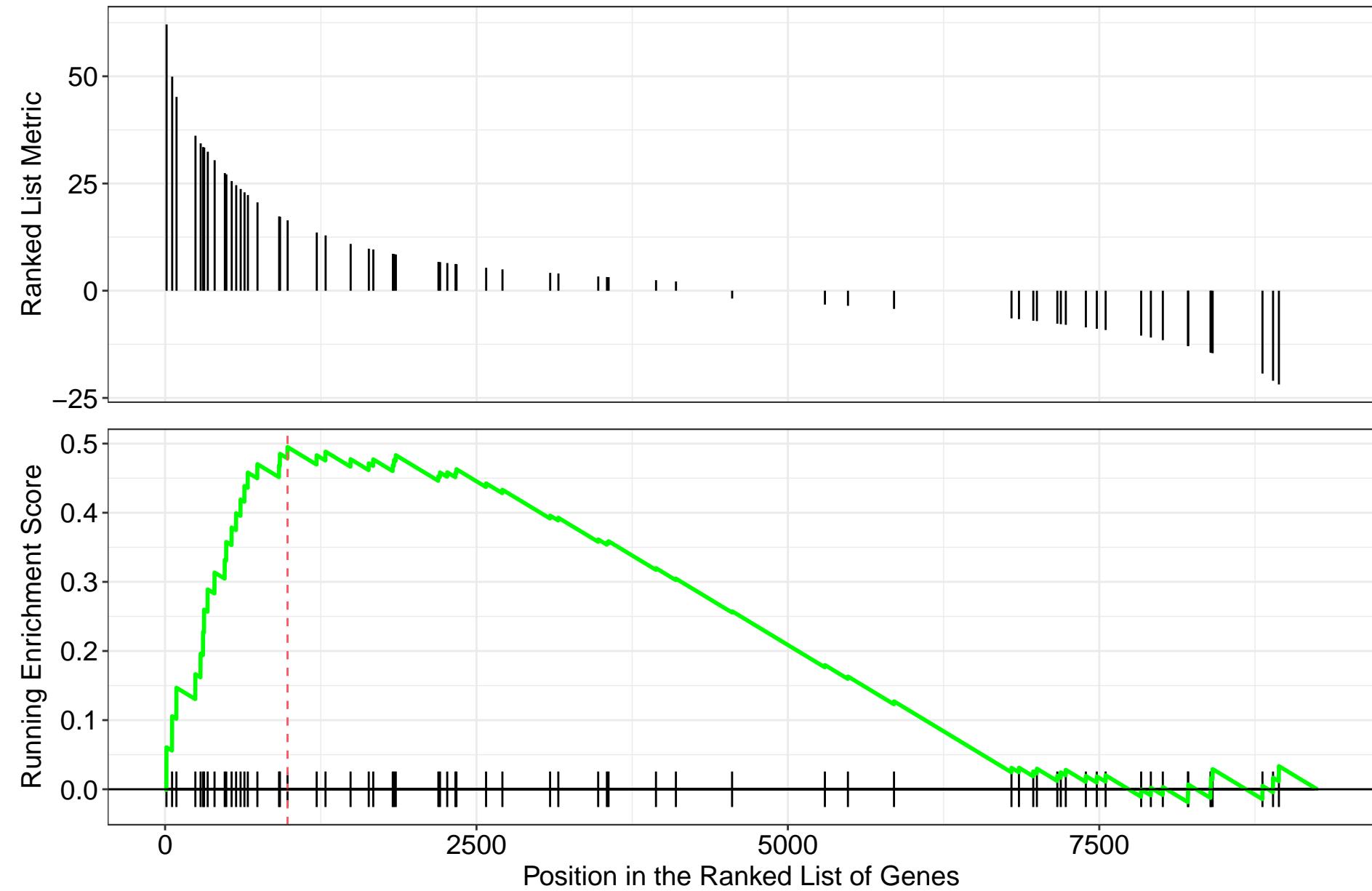
Running Enrichment Score

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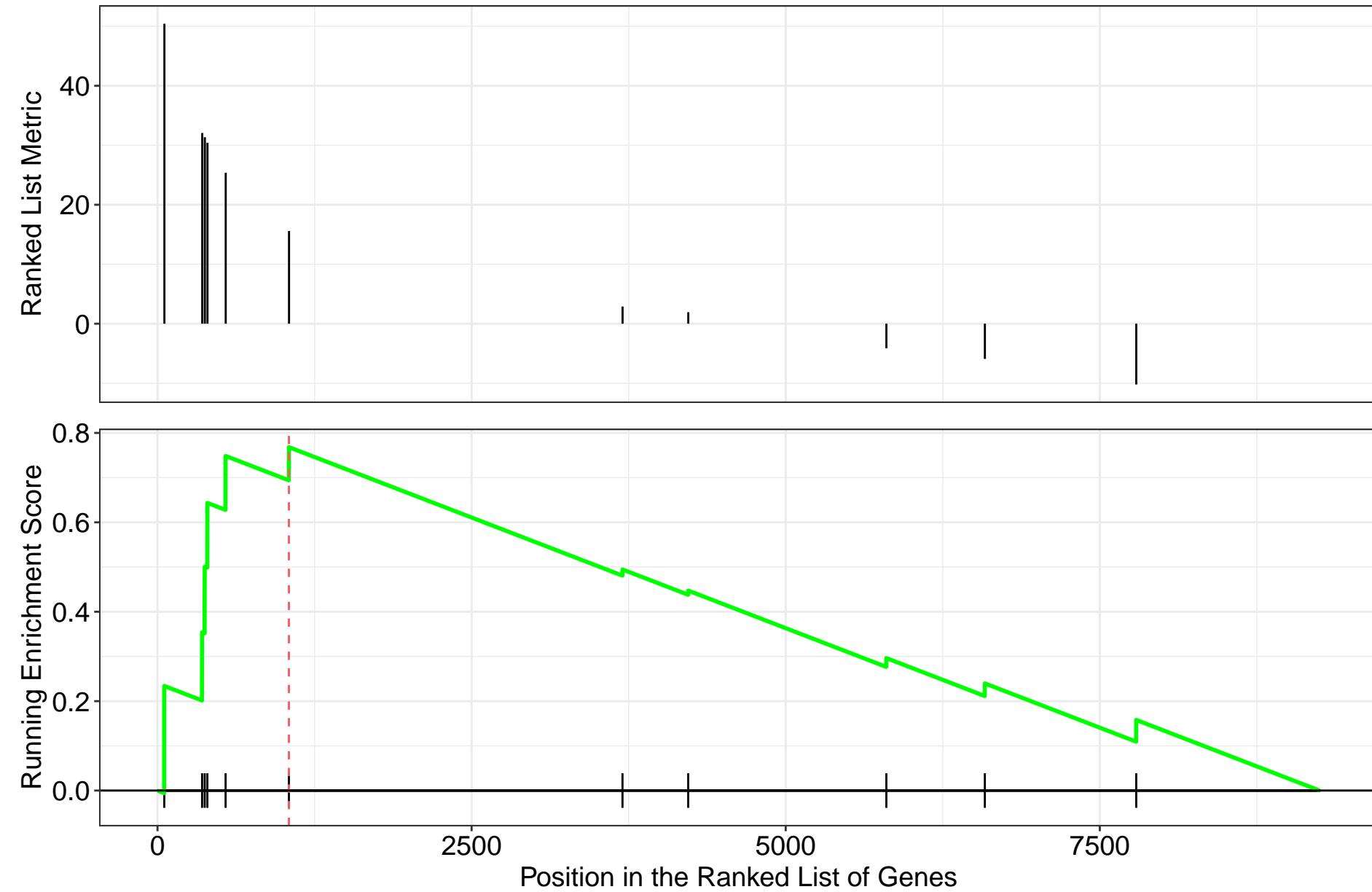
Position in the Ranked List of Genes



positive regulation of protein kinase B signaling

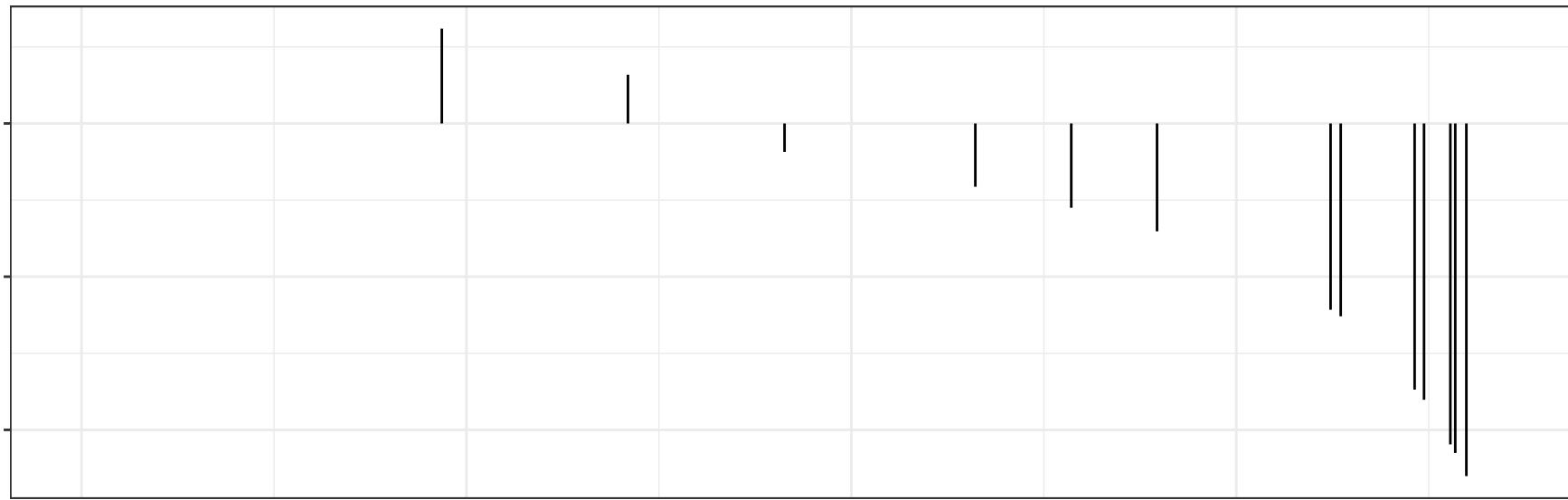


response to progesterone



attachment of mitotic spindle microtubules to kinetochore

Ranked List Metric



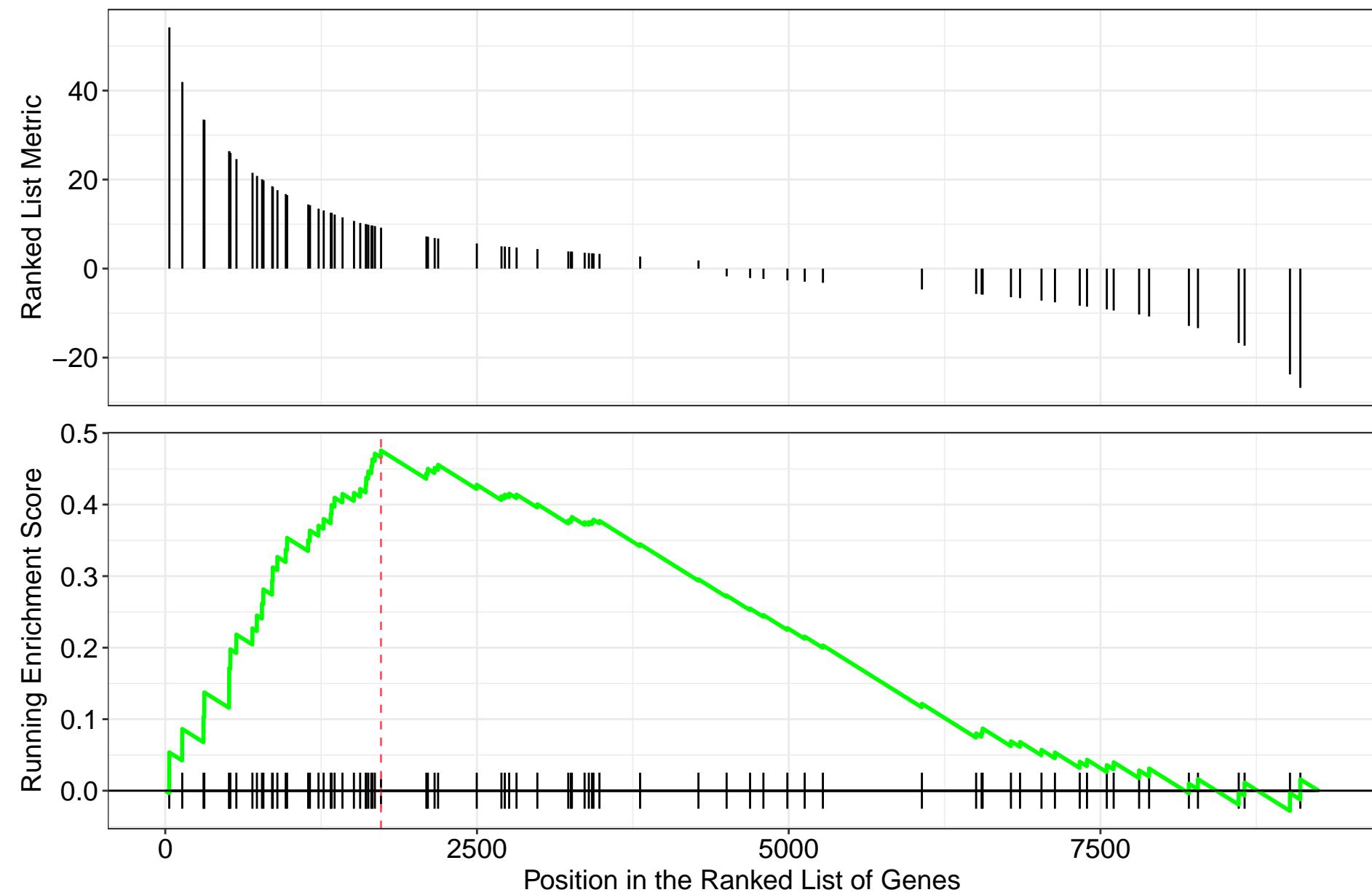
Running Enrichment Score

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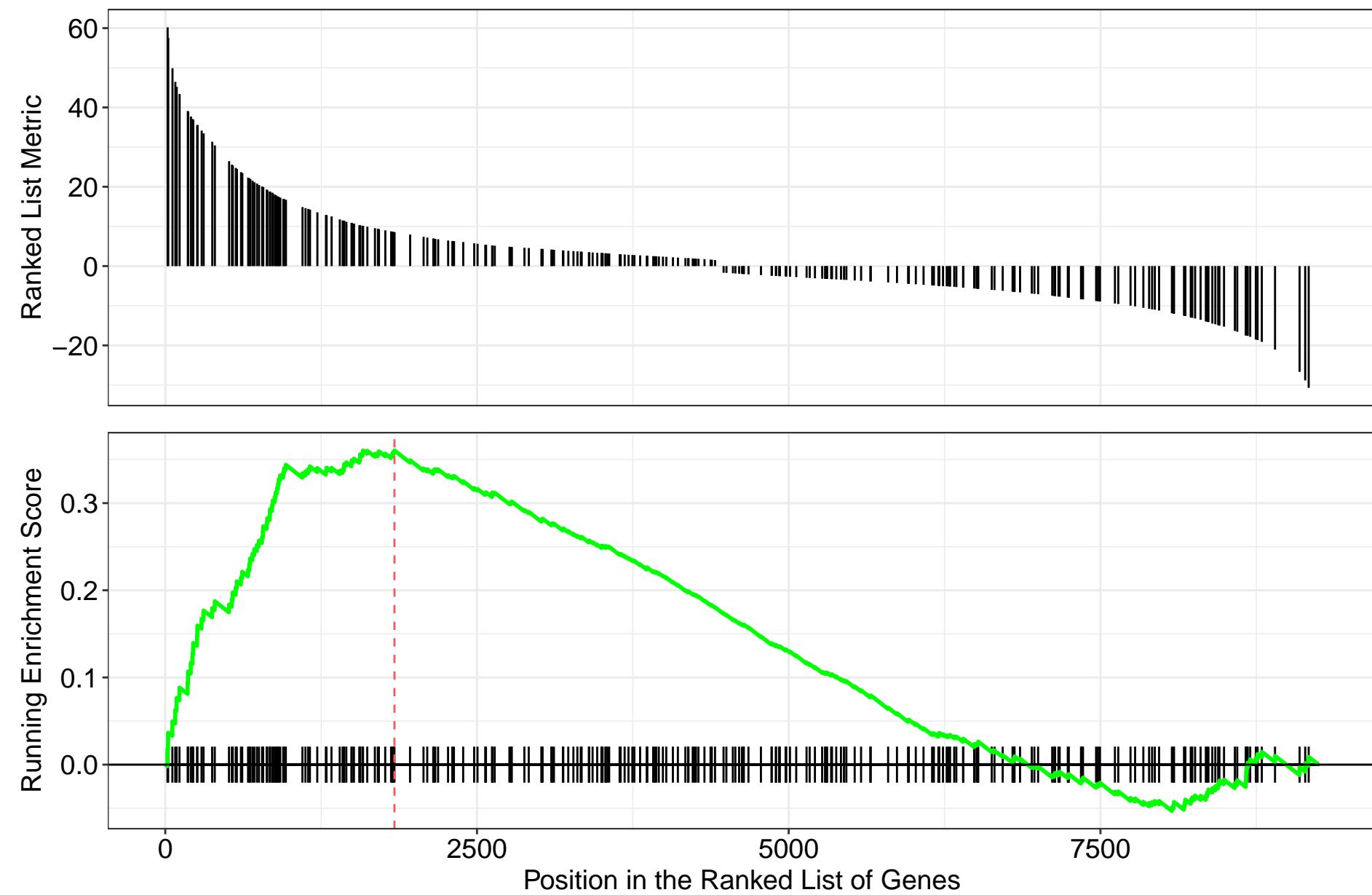
Position in the Ranked List of Genes



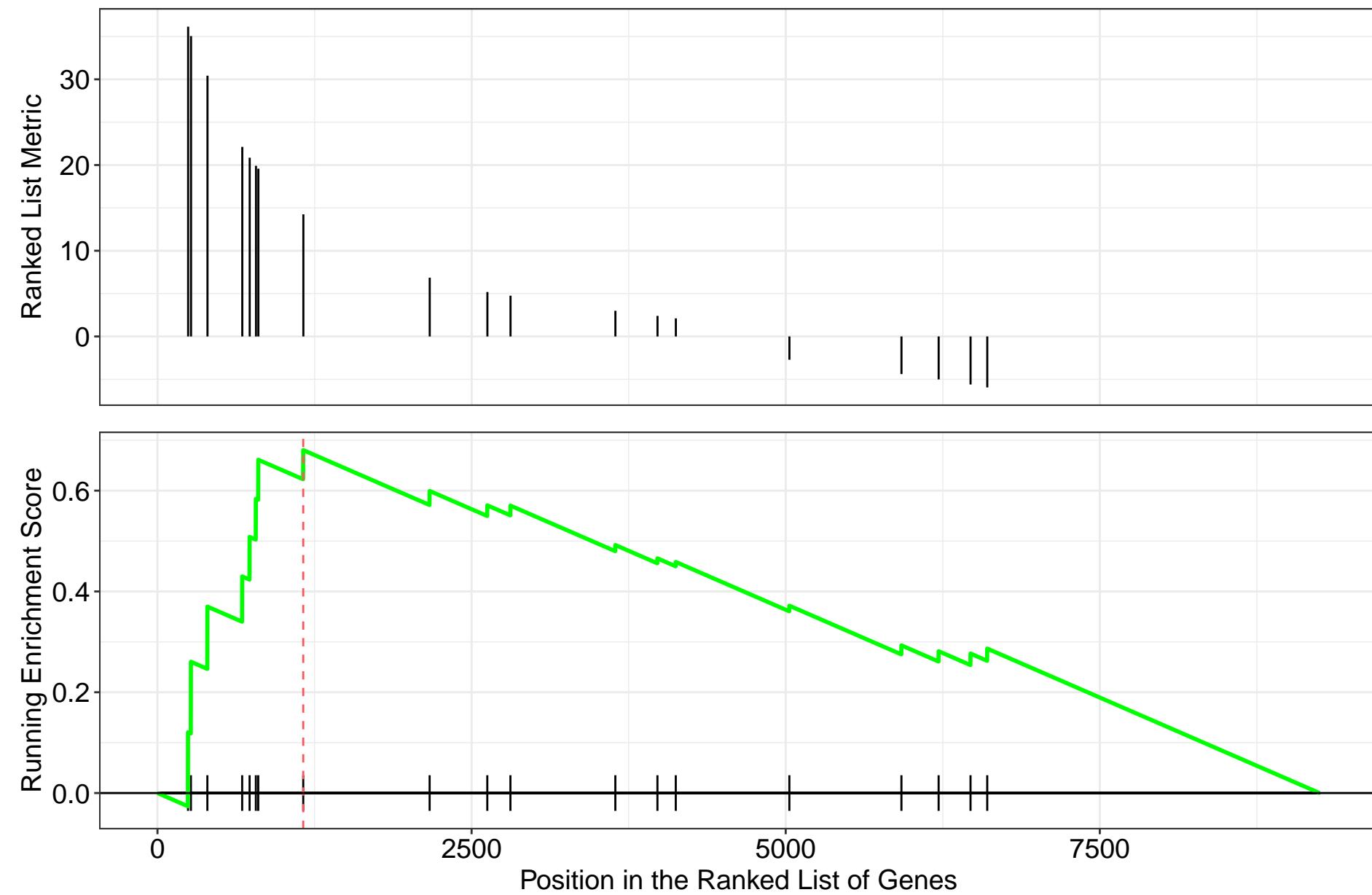
endothelium development



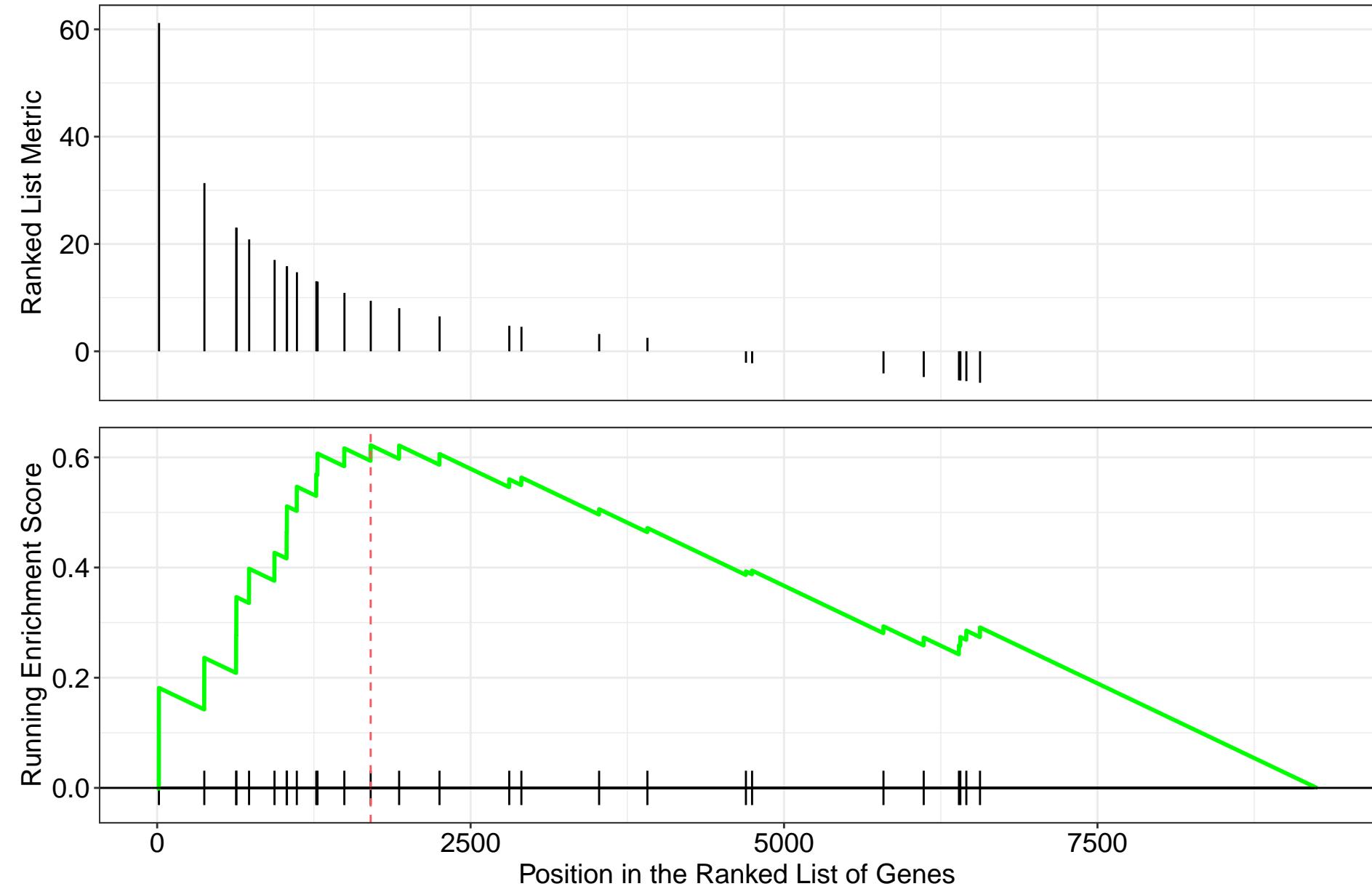
cellular response to growth factor stimulus



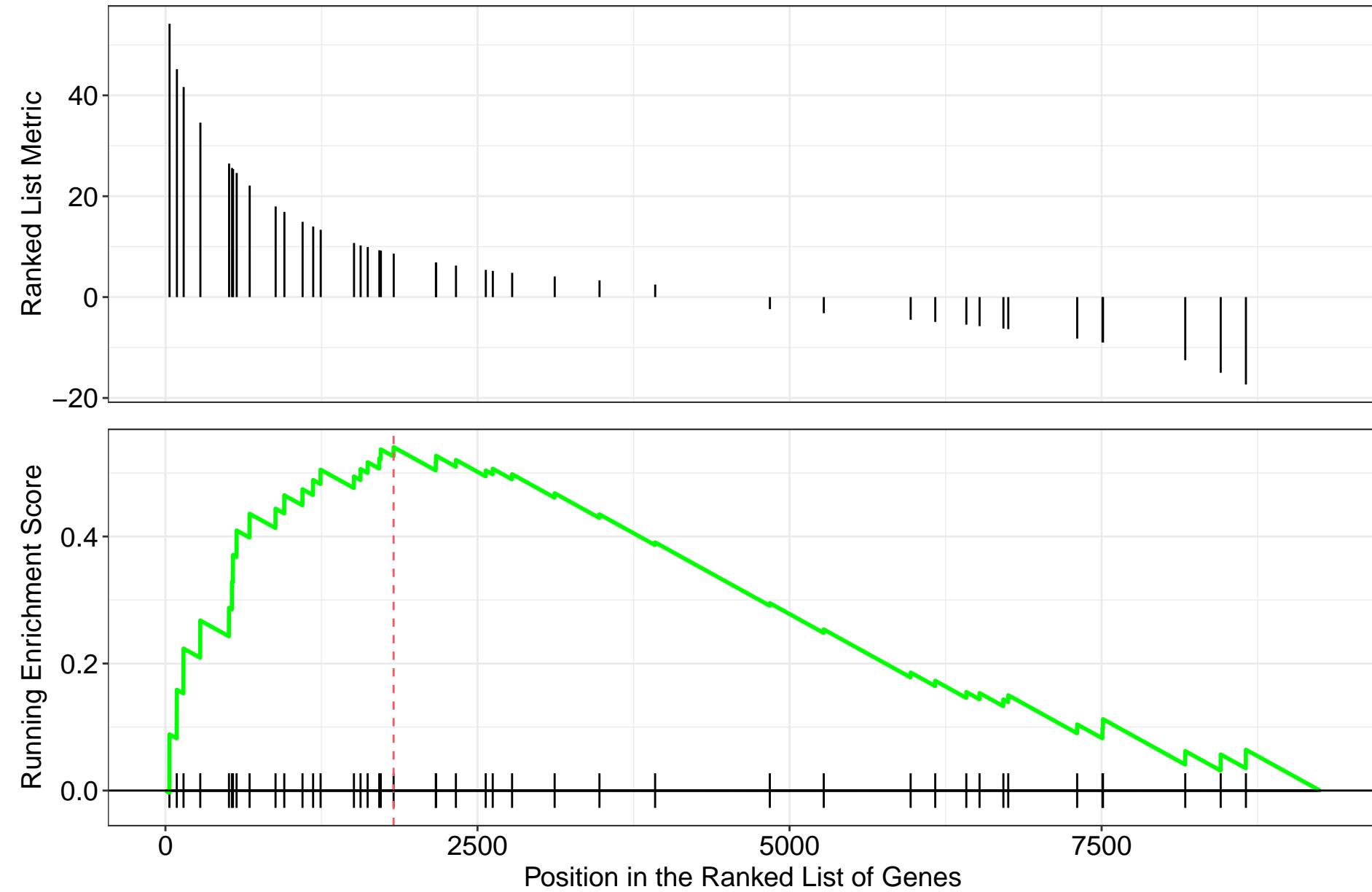
positive regulation of lipid kinase activity



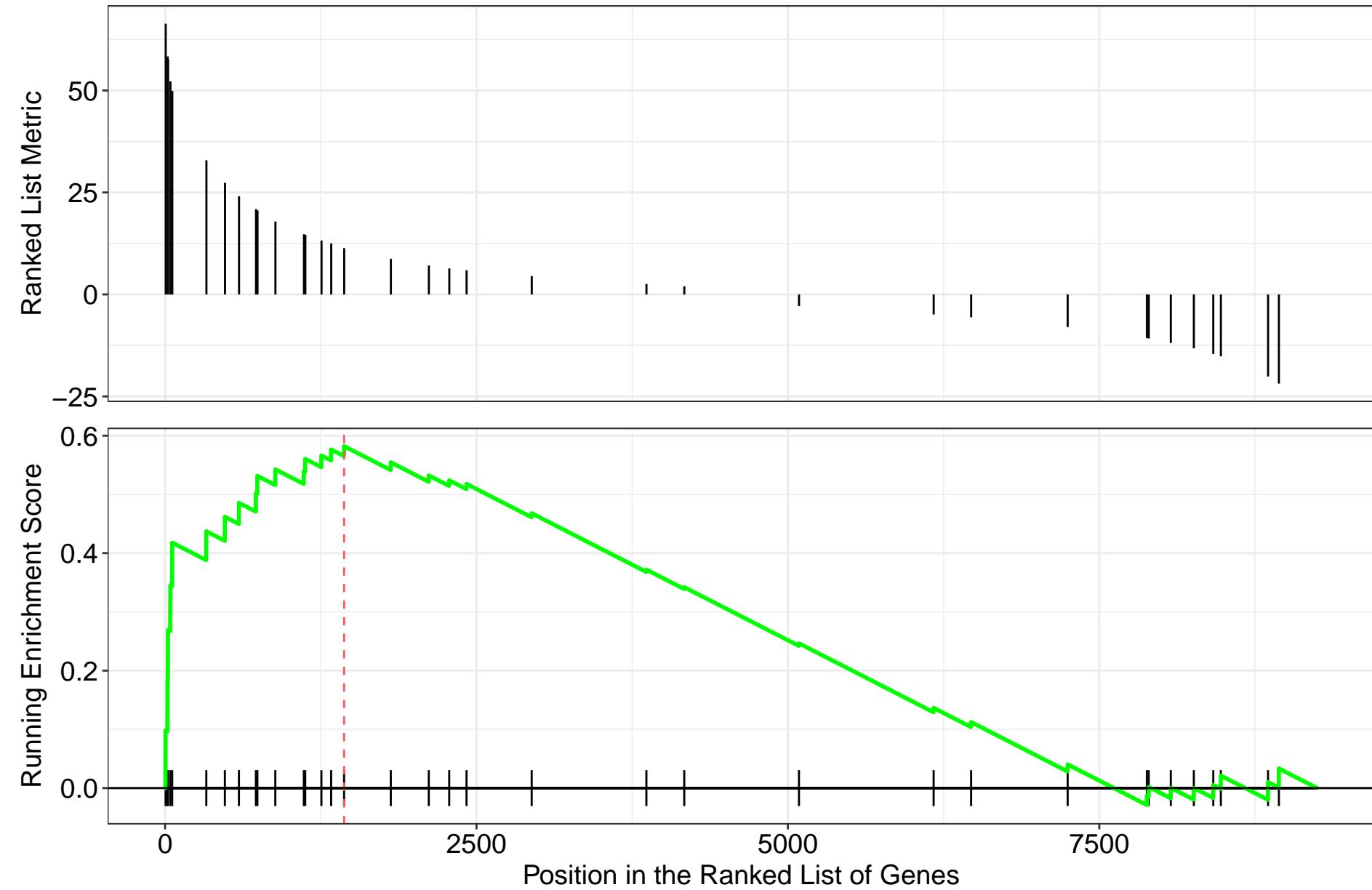
response to dsRNA



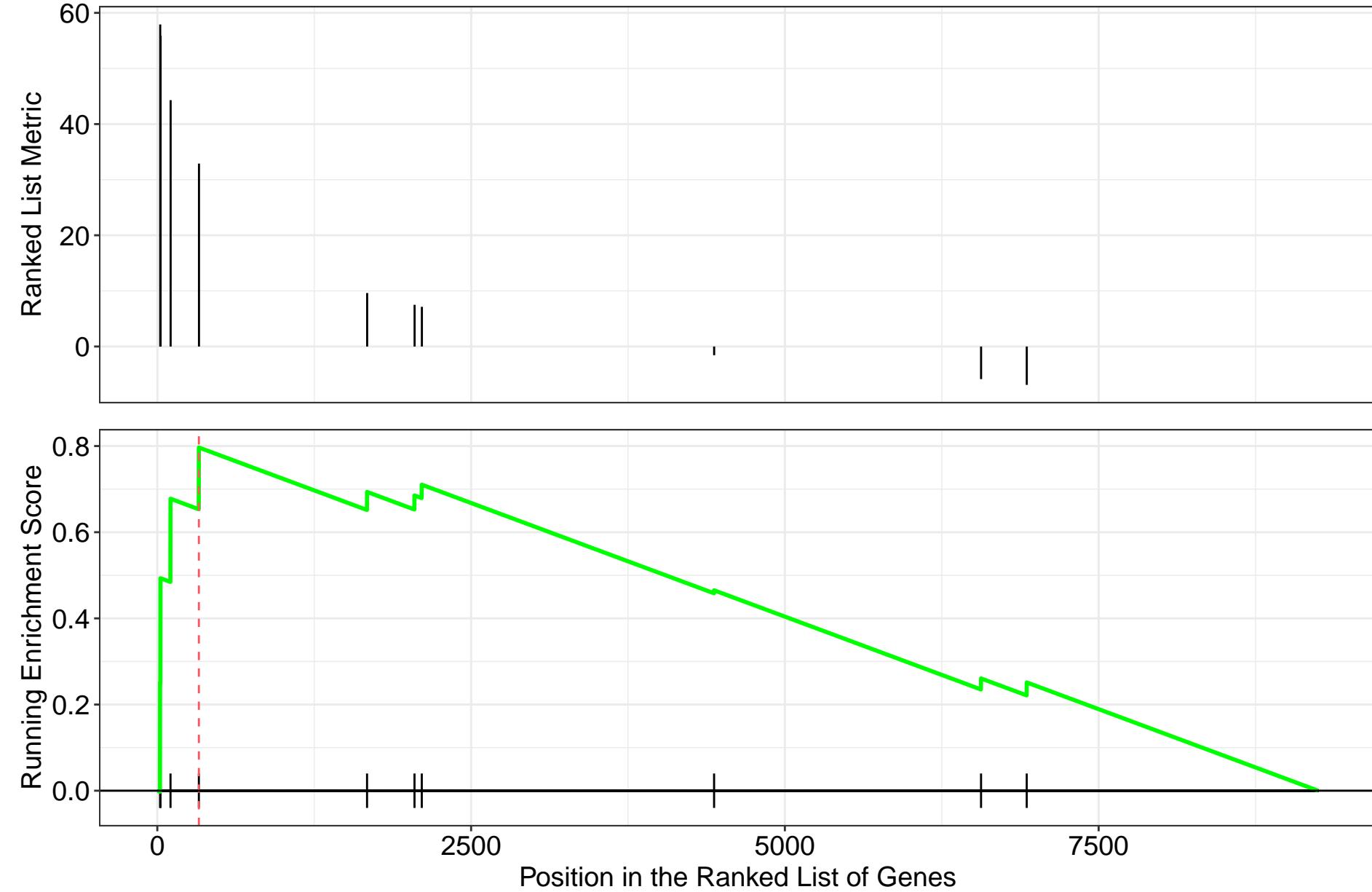
positive regulation of gliogenesis



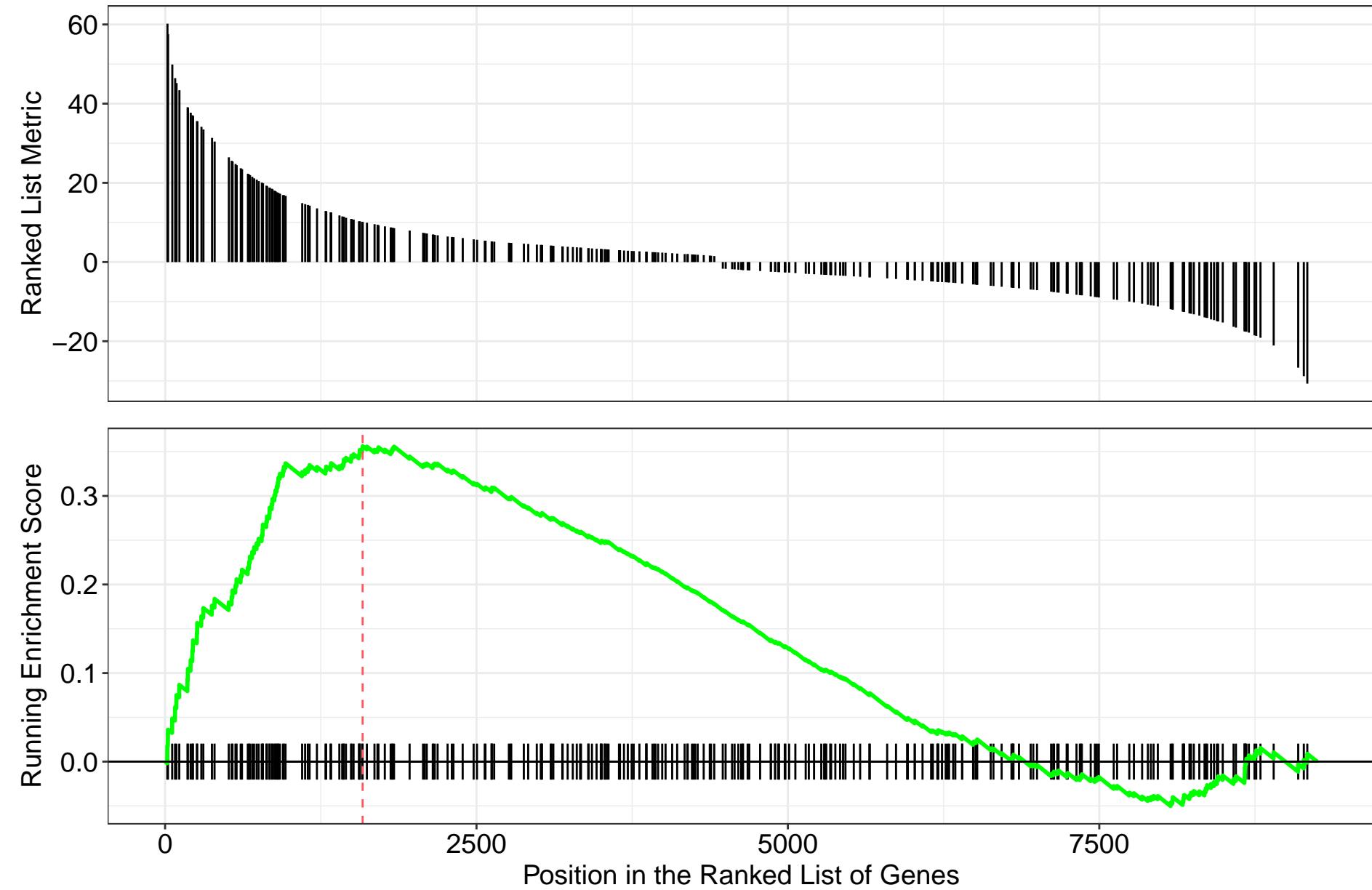
alpha–beta T cell proliferation



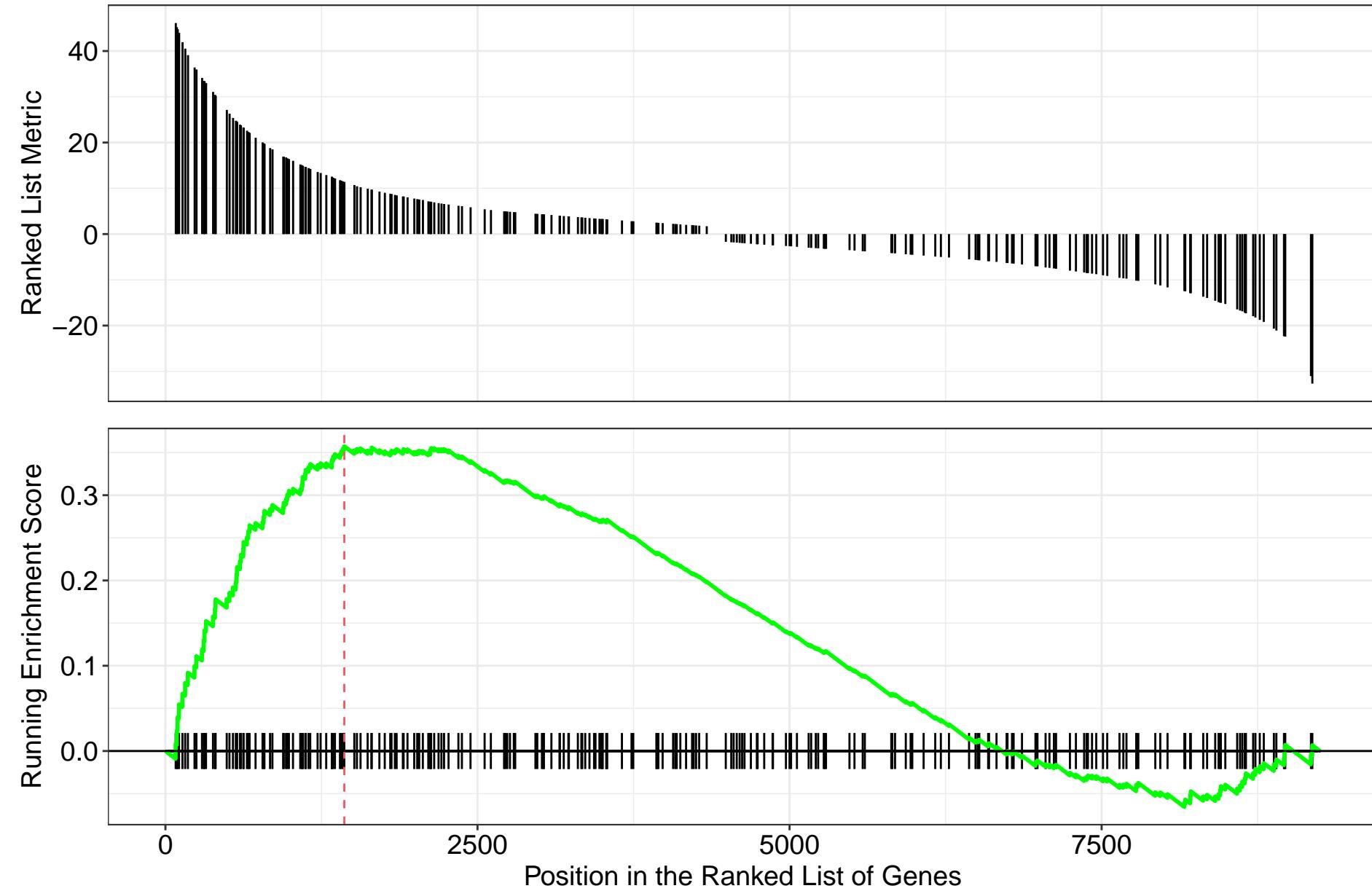
positive regulation of T cell apoptotic process



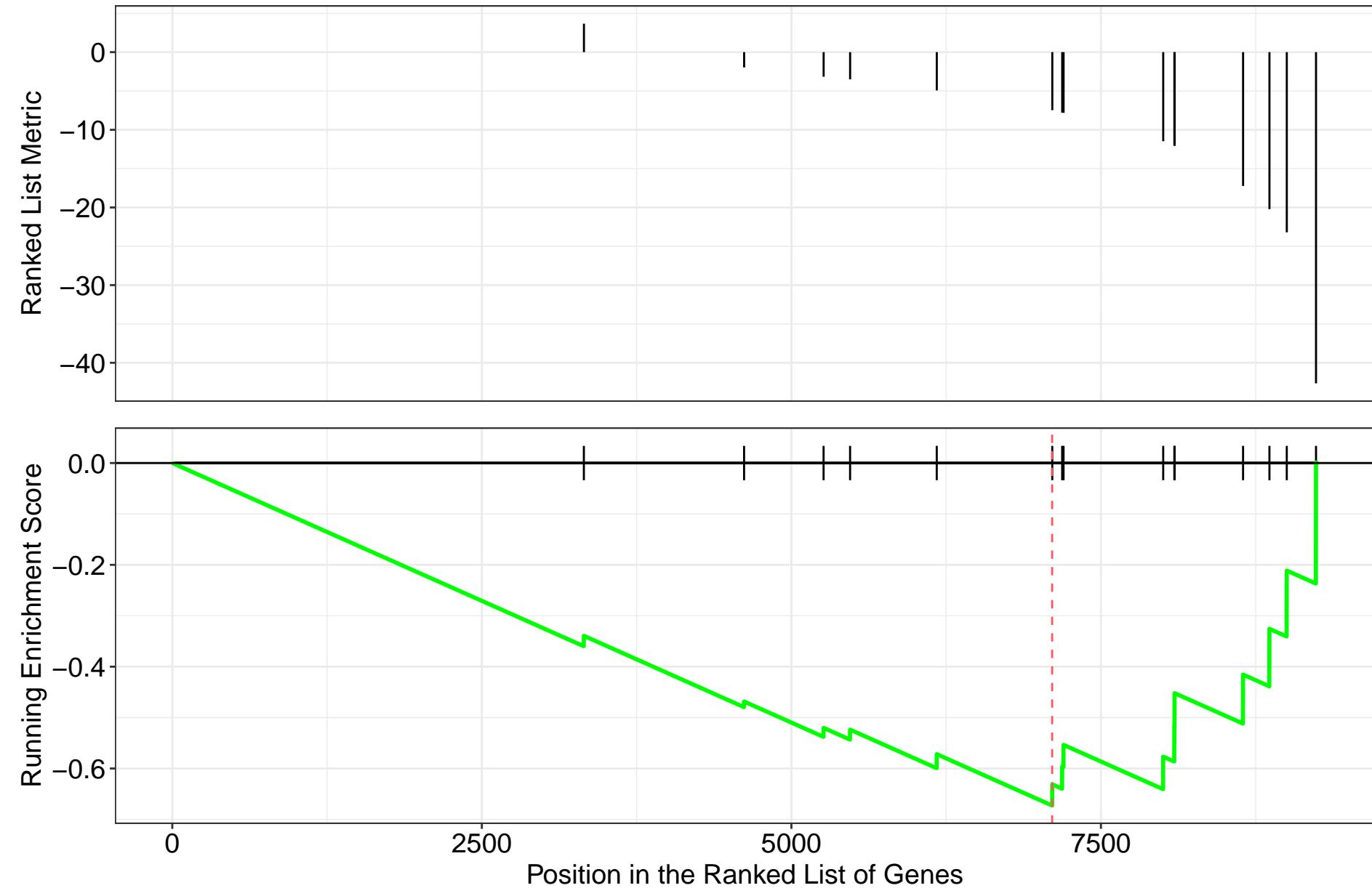
response to growth factor



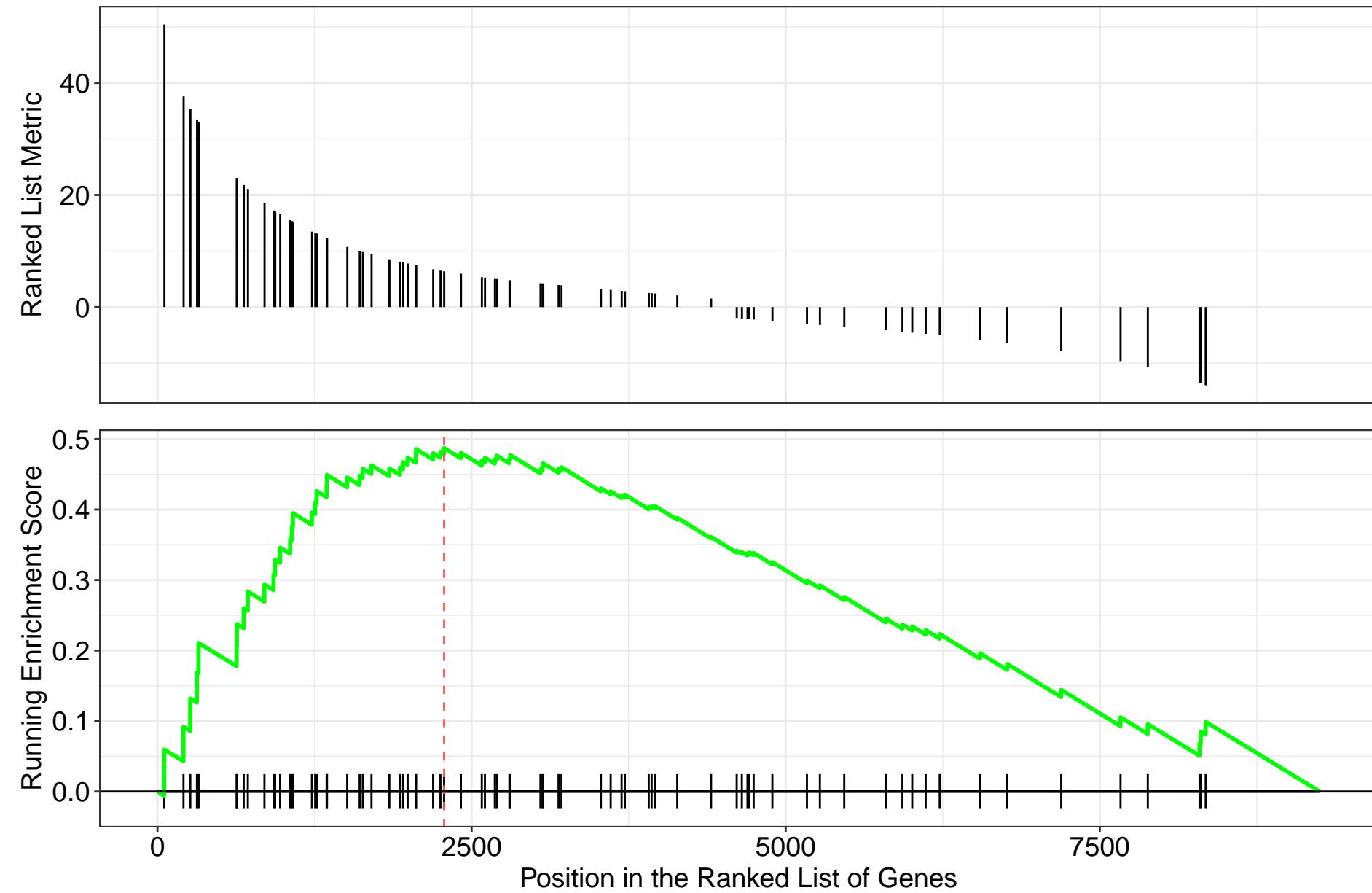
morphogenesis of an epithelium



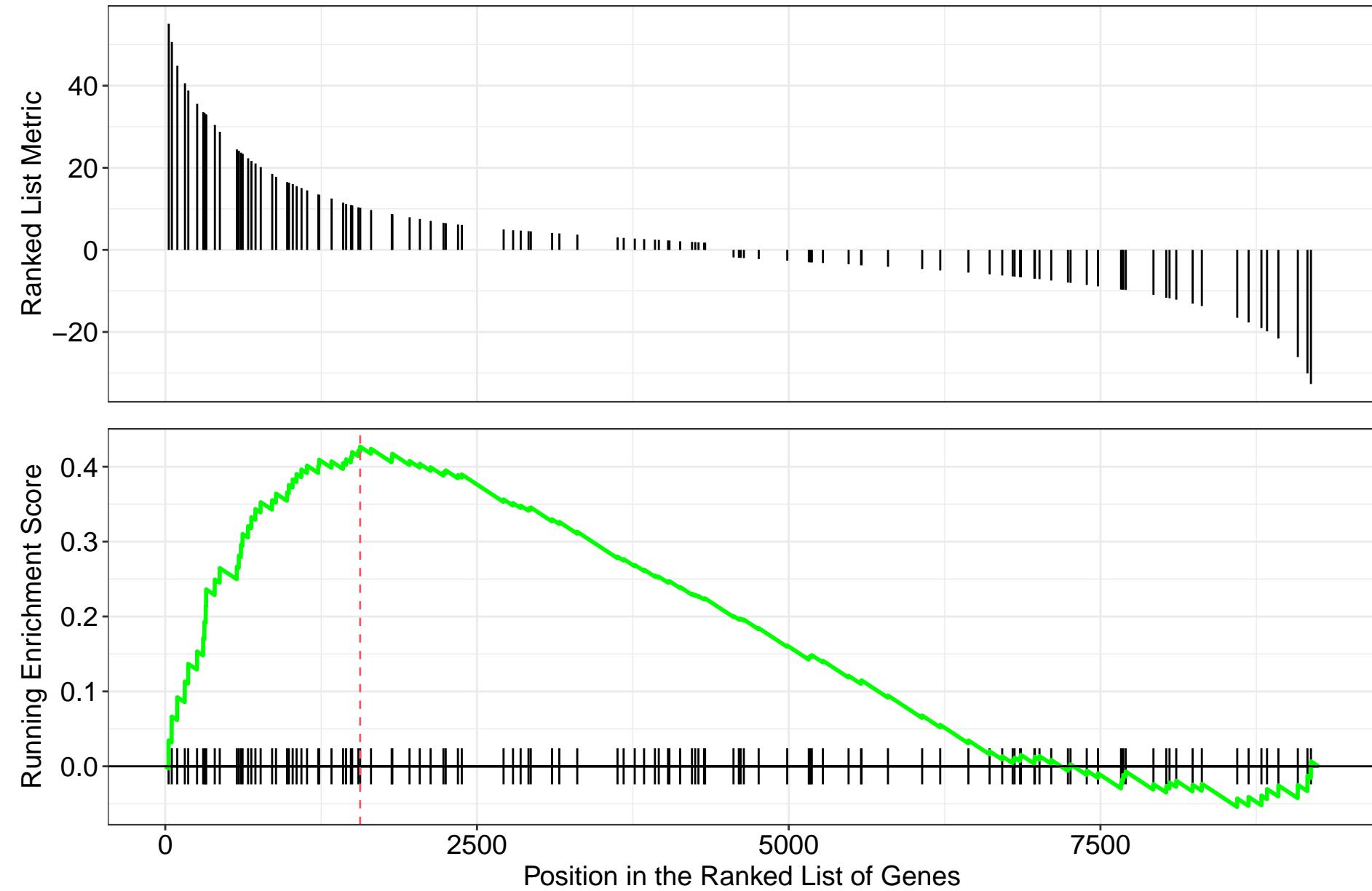
meiotic chromosome separation



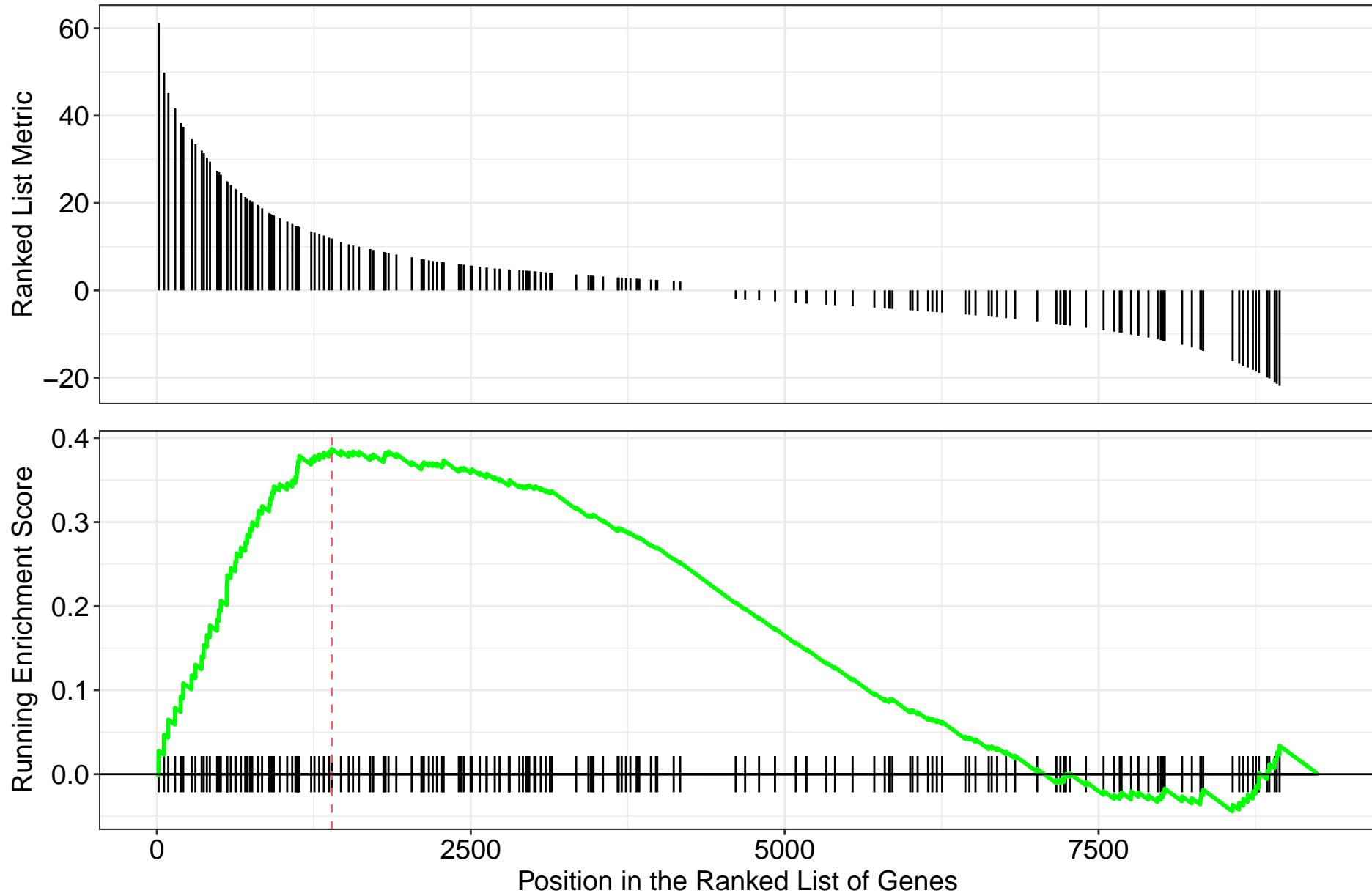
regulation of type I interferon production



reproductive system development

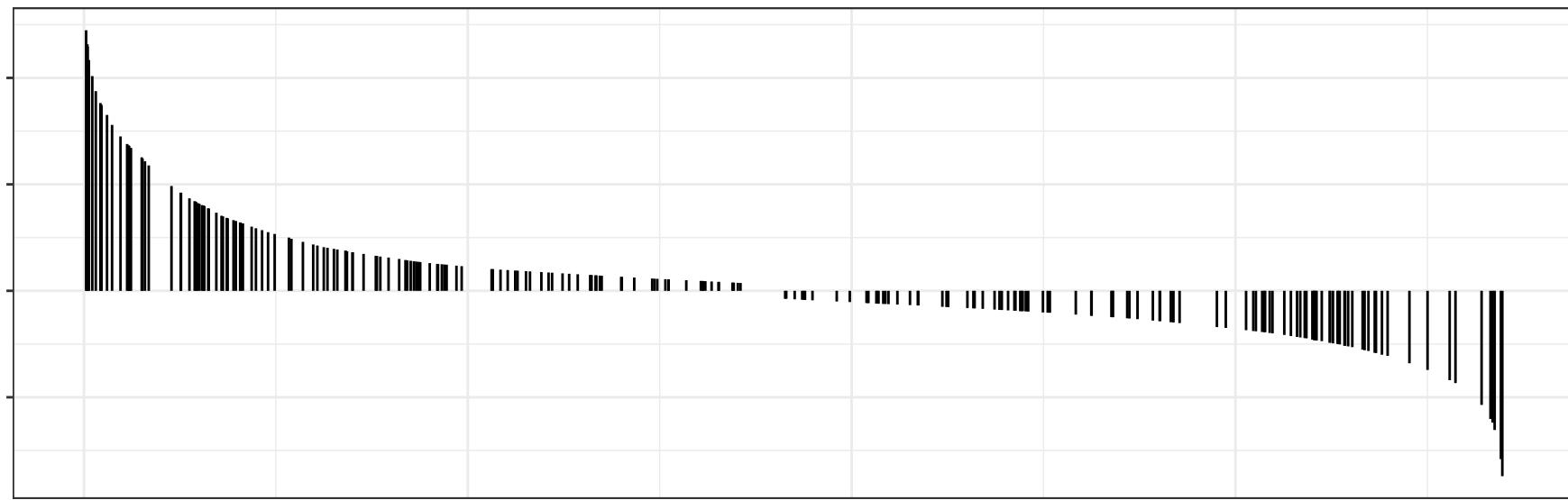


cell activation involved in immune response



cellular response to organic cyclic compound

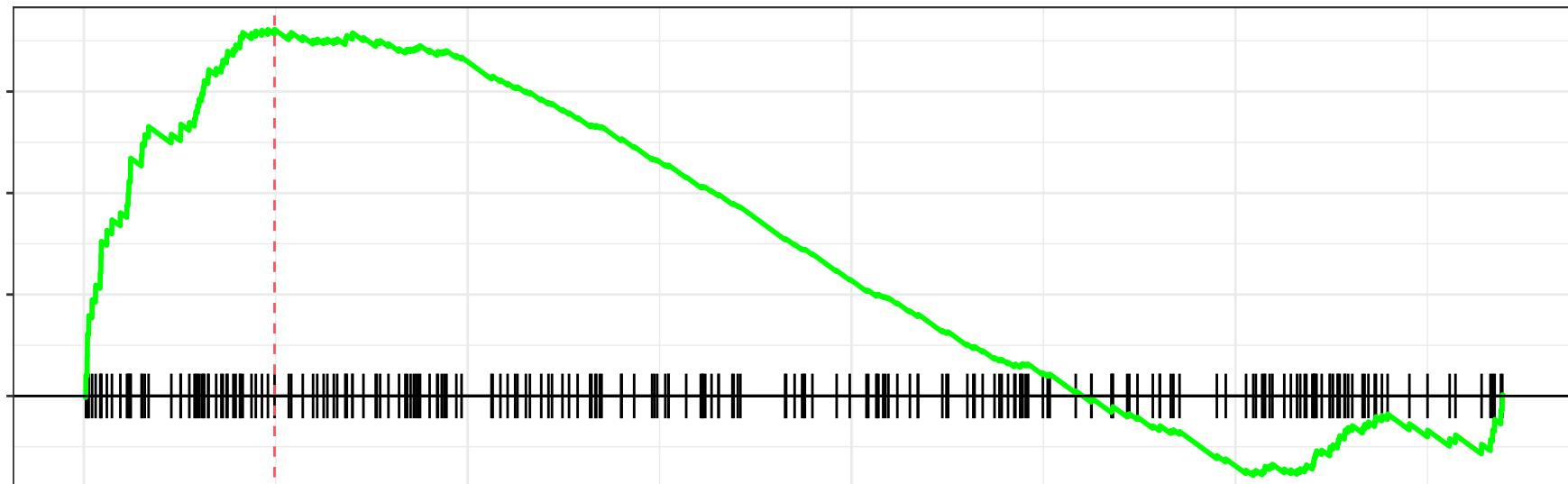
Ranked List Metric



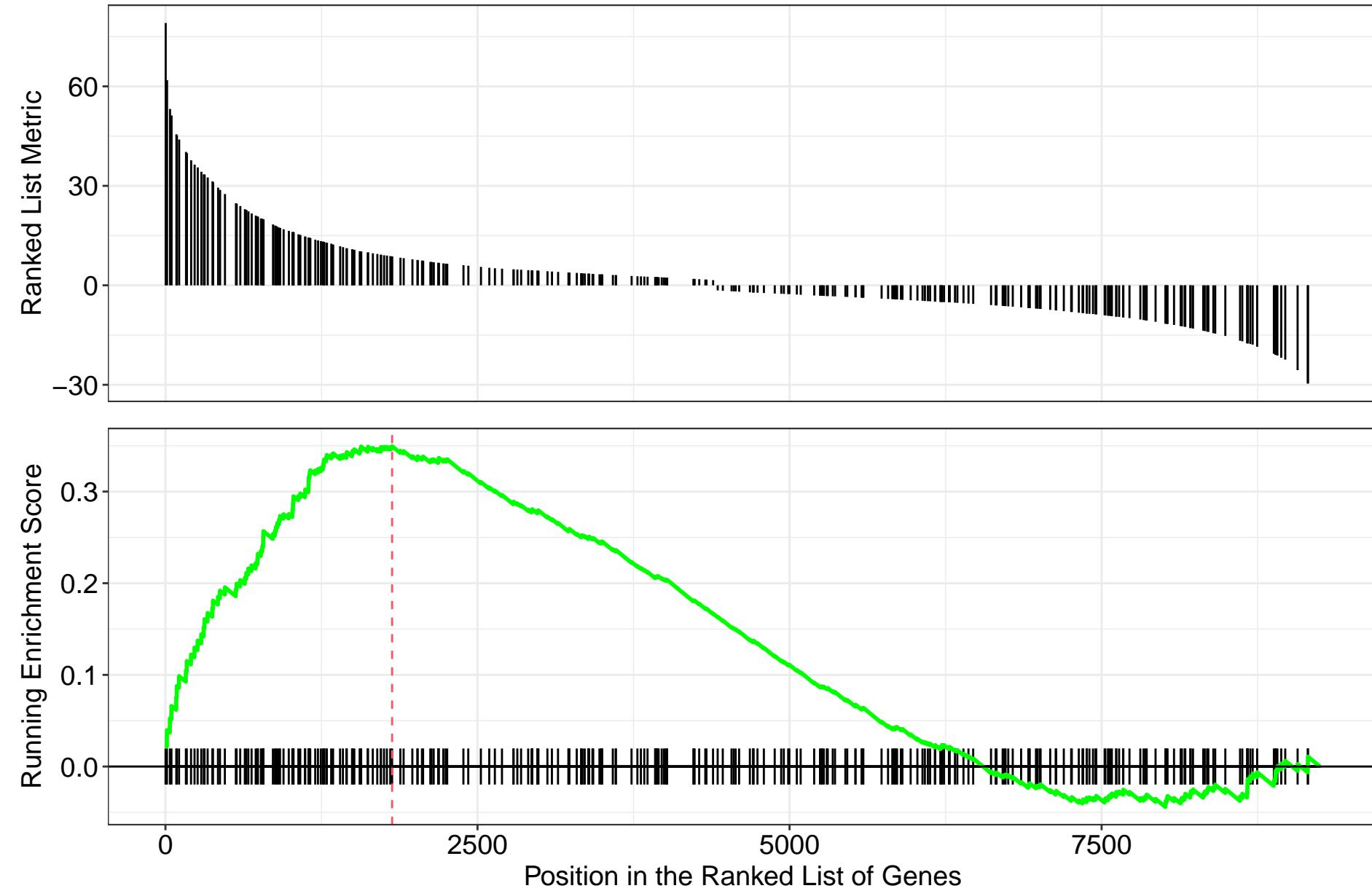
Running Enrichment Score

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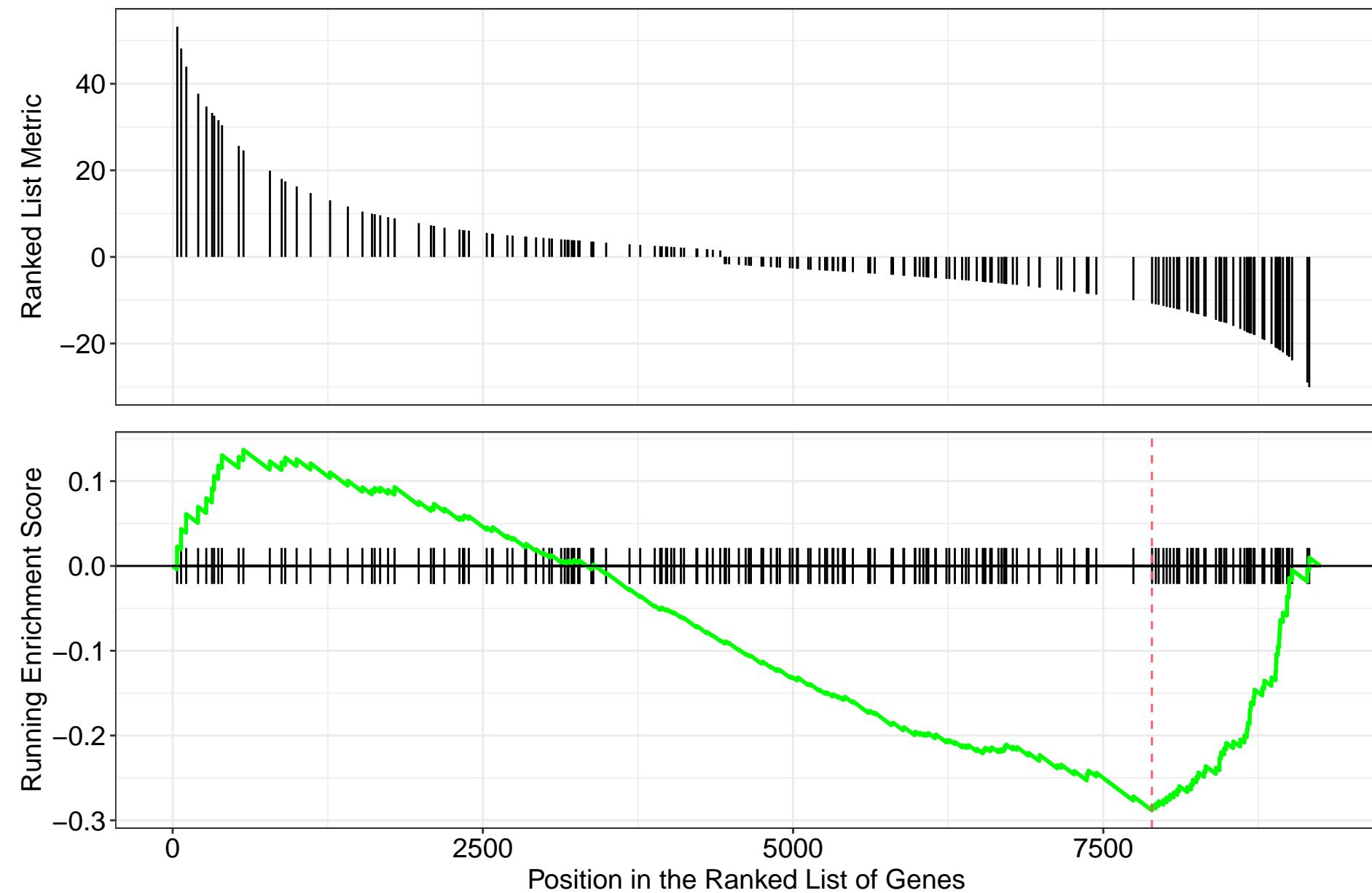
Position in the Ranked List of Genes



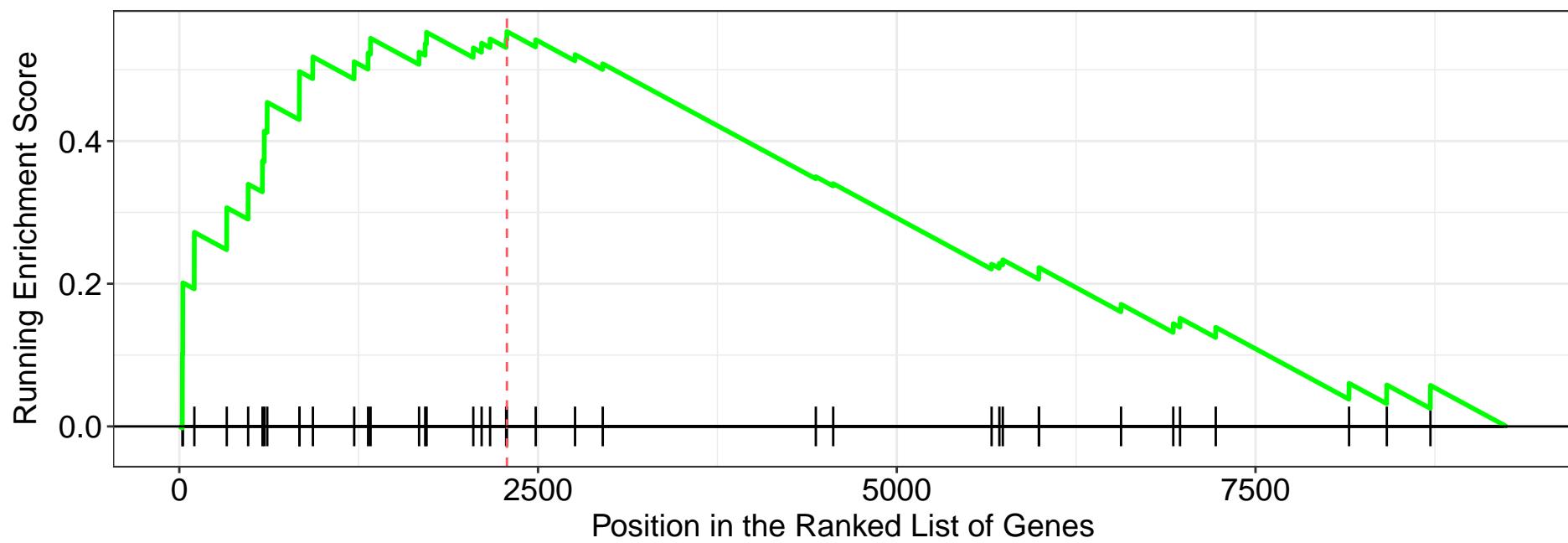
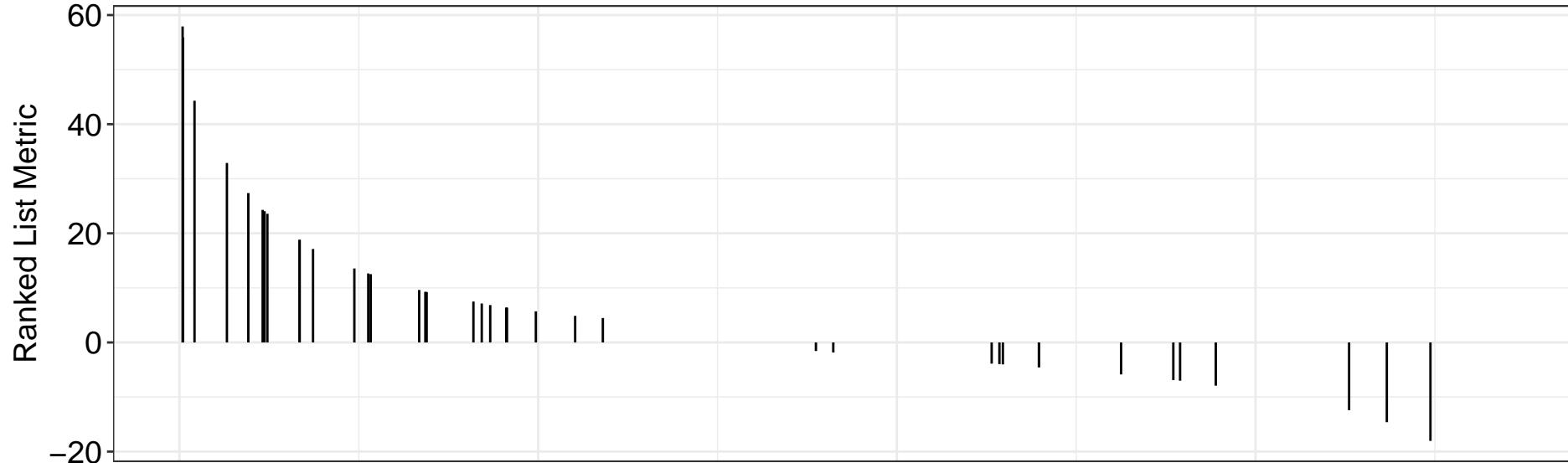
muscle structure development



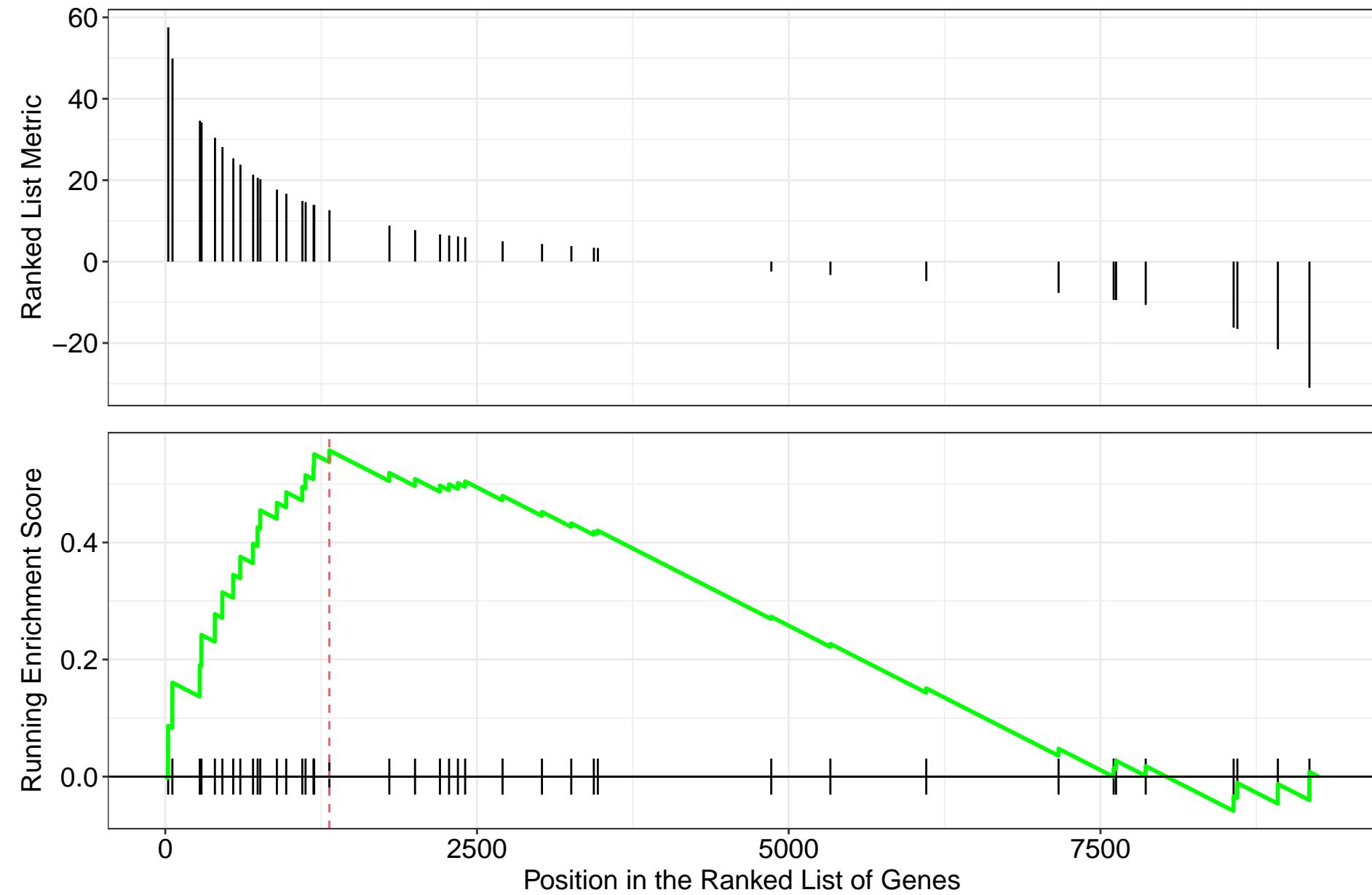
non-membrane-bounded organelle assembly



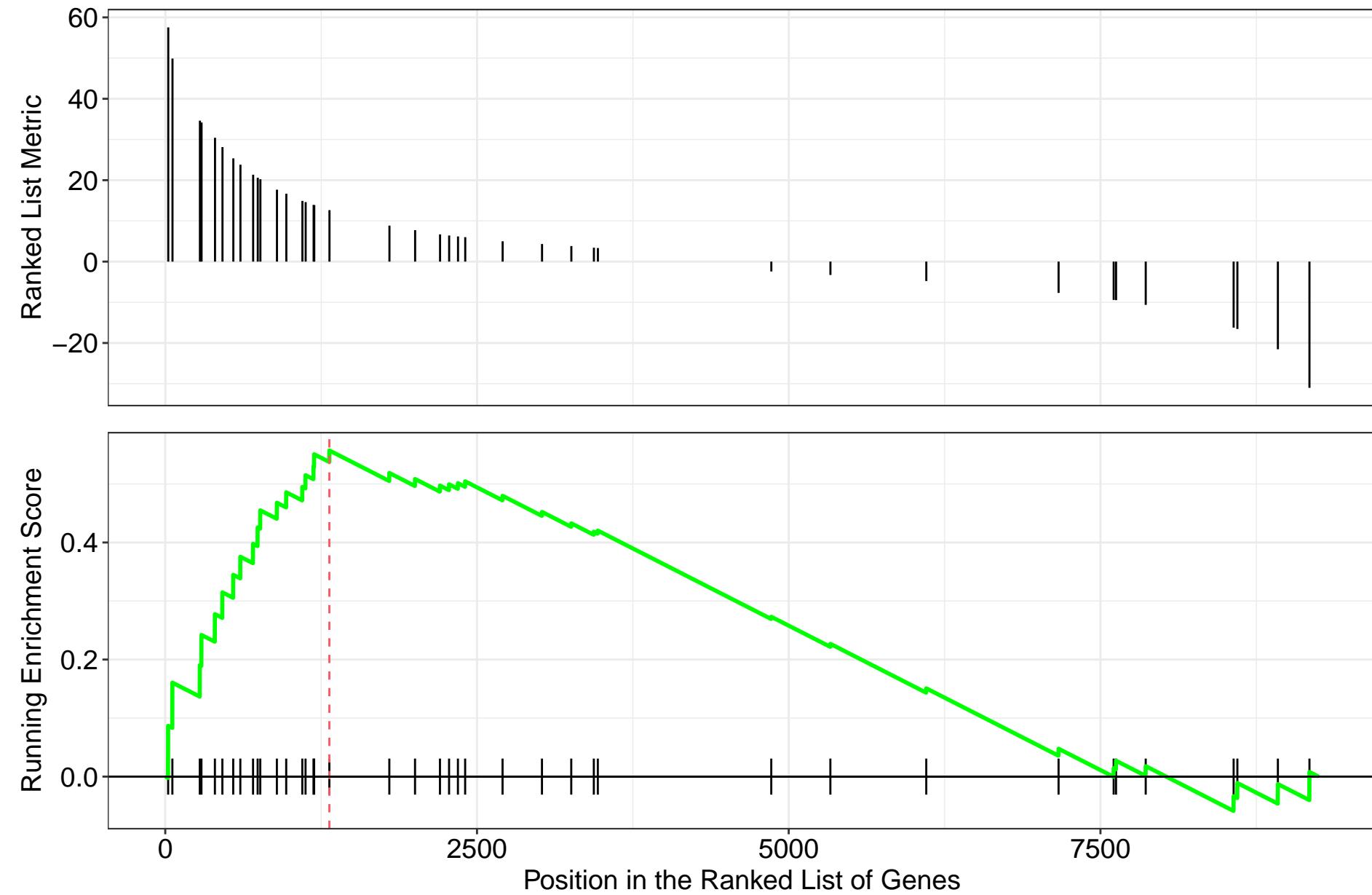
regulation of lymphocyte apoptotic process



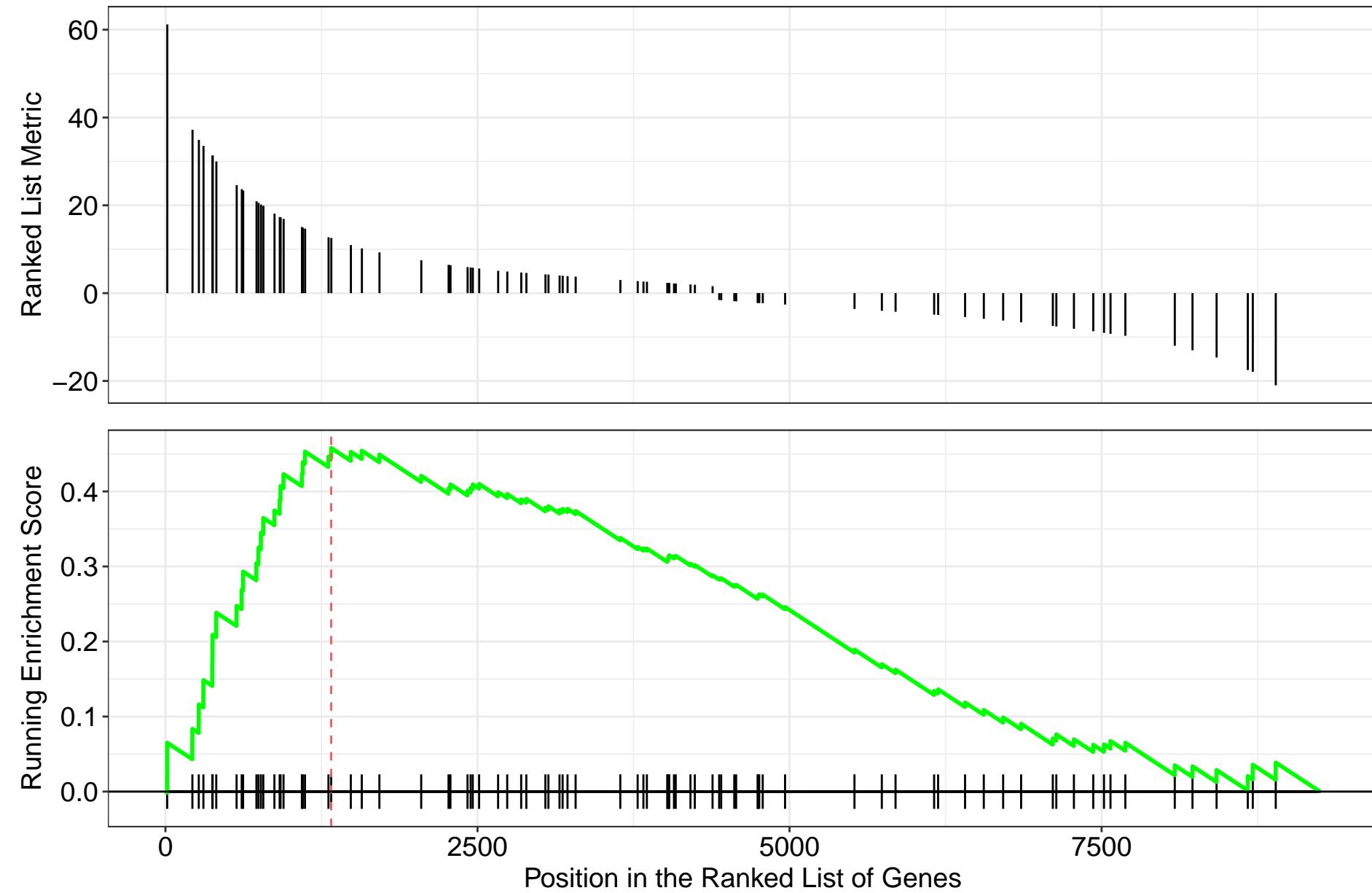
natural killer cell mediated immunity



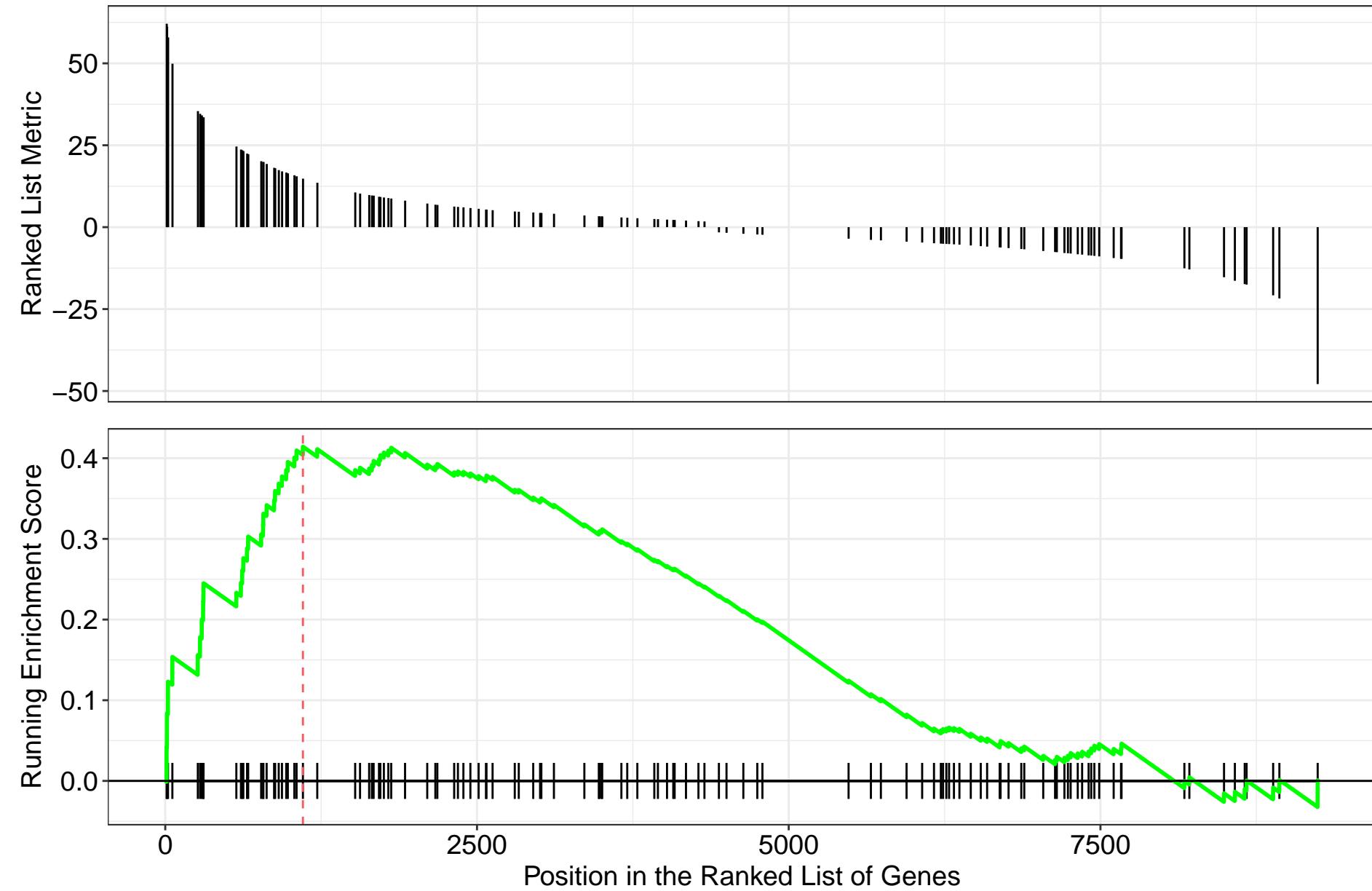
natural killer cell mediated cytotoxicity



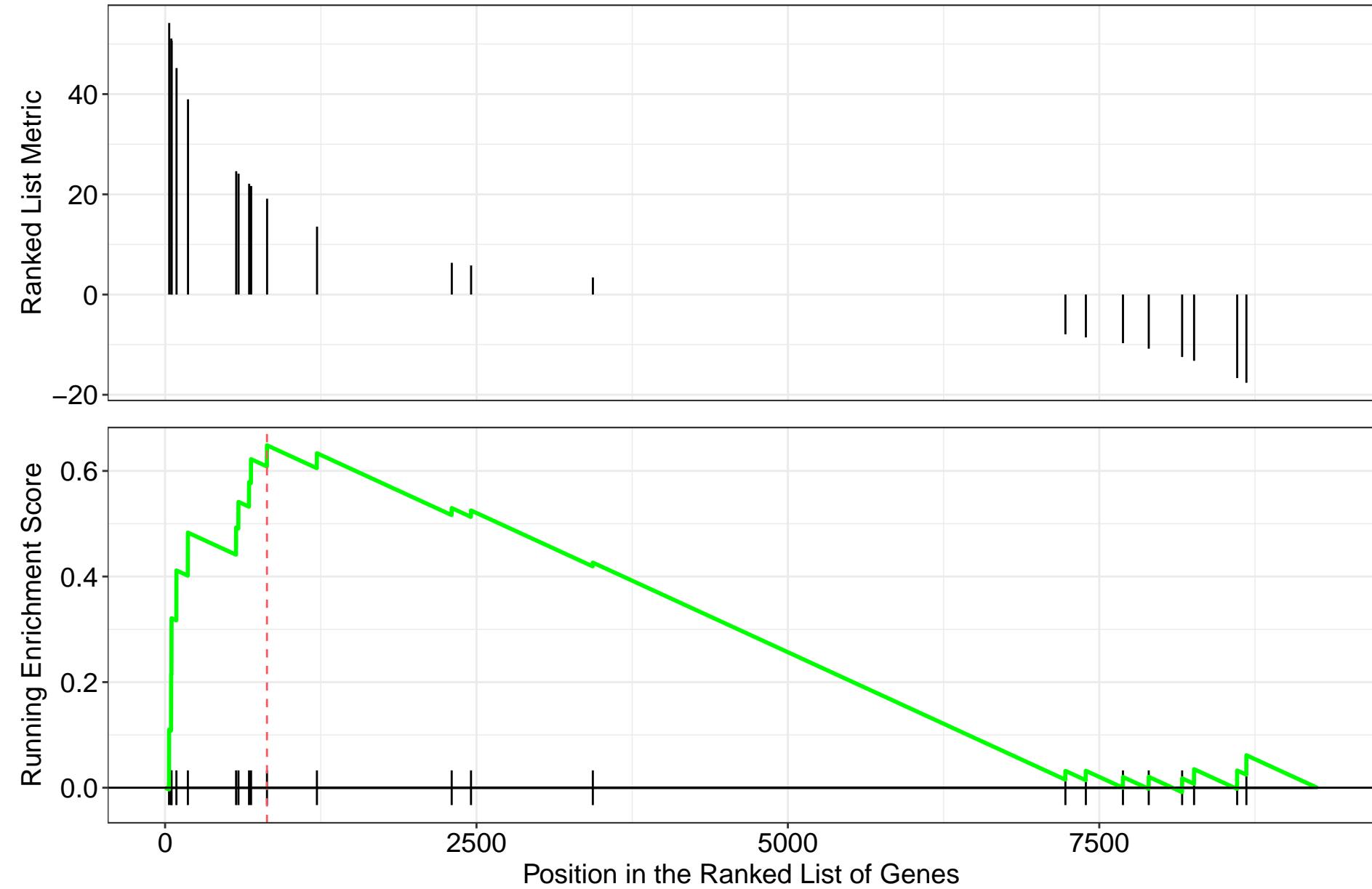
positive regulation of apoptotic signaling pathway



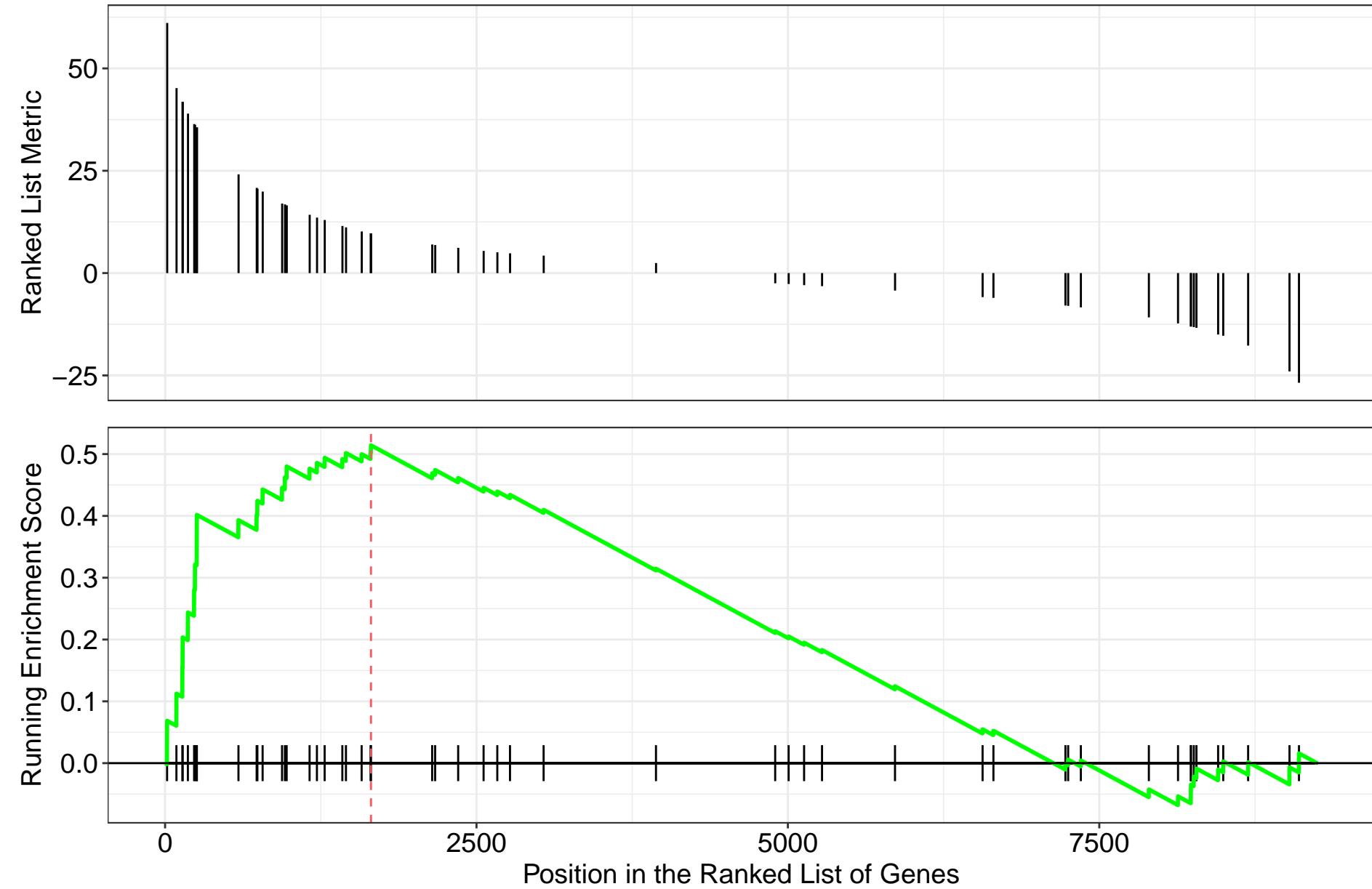
regulation of myeloid cell differentiation



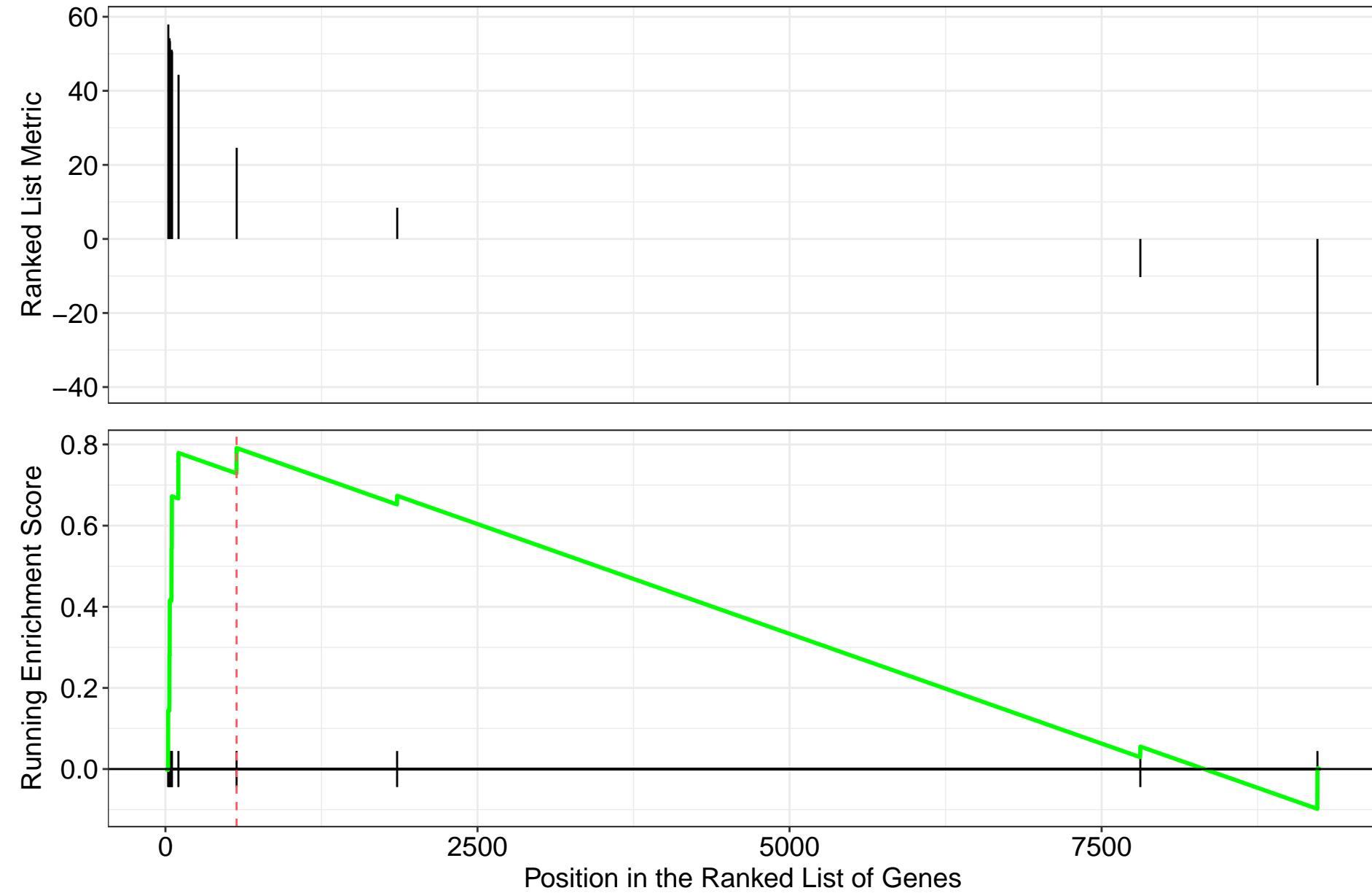
vascular endothelial growth factor production



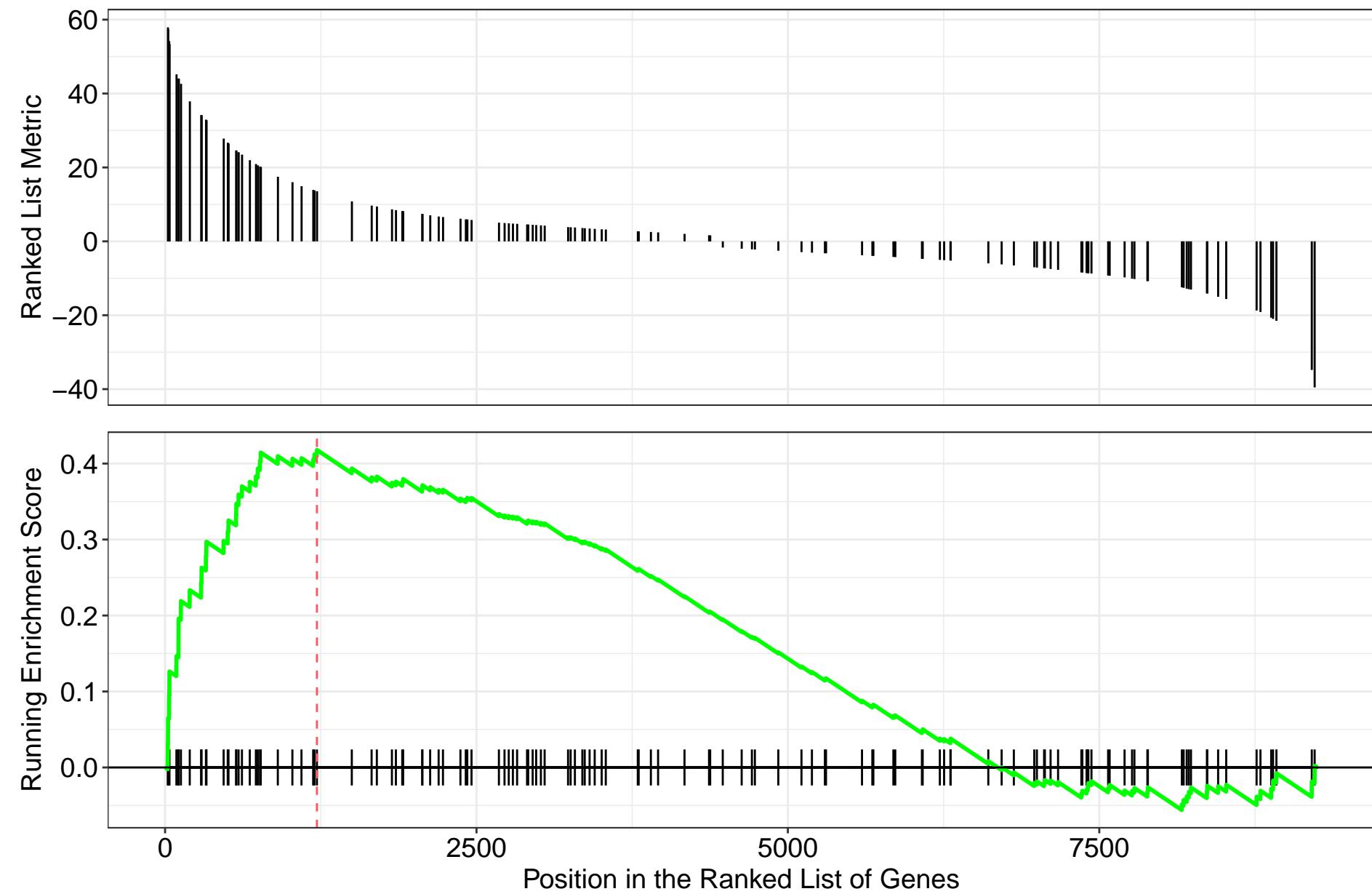
collagen metabolic process



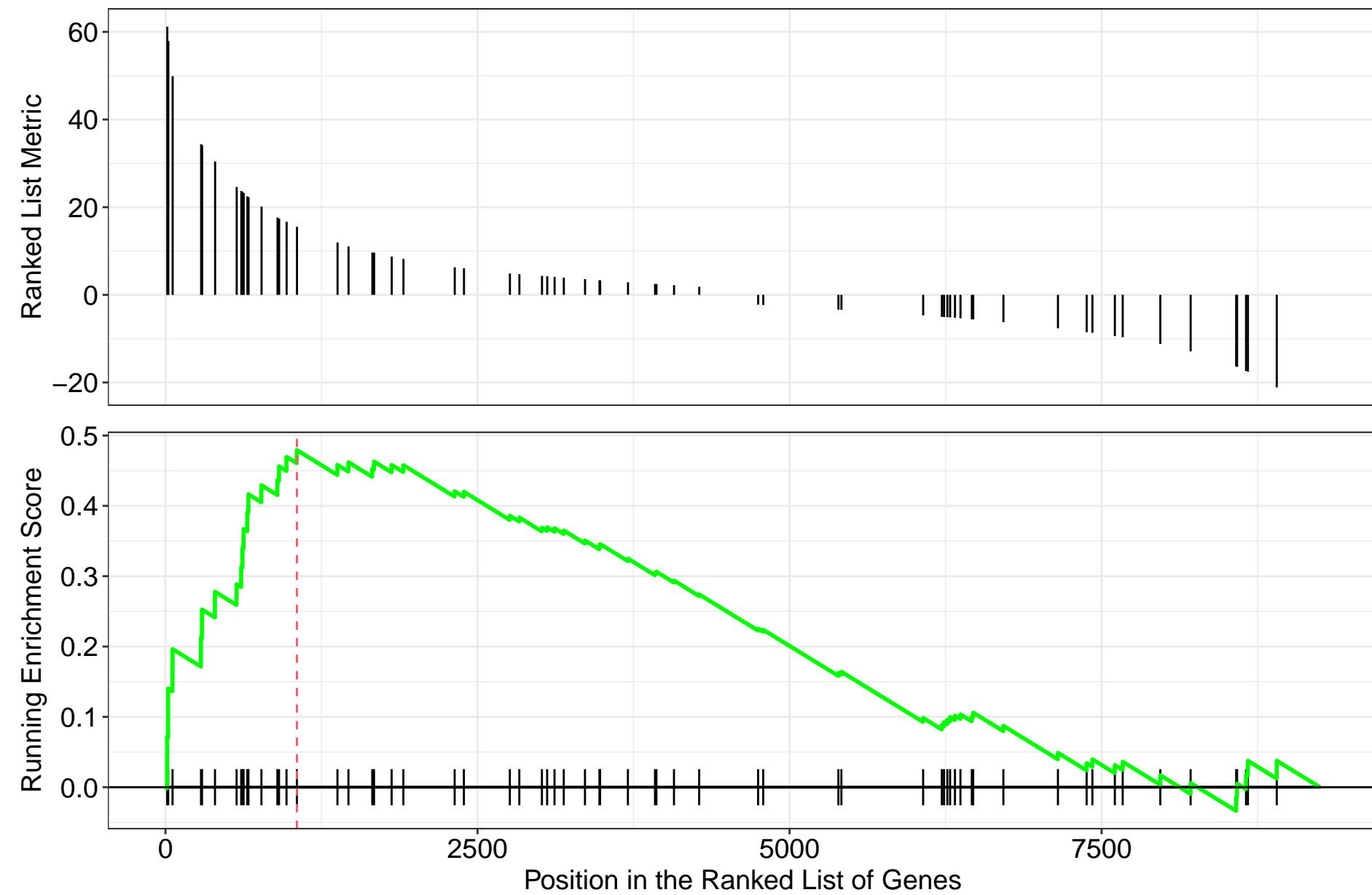
fever generation



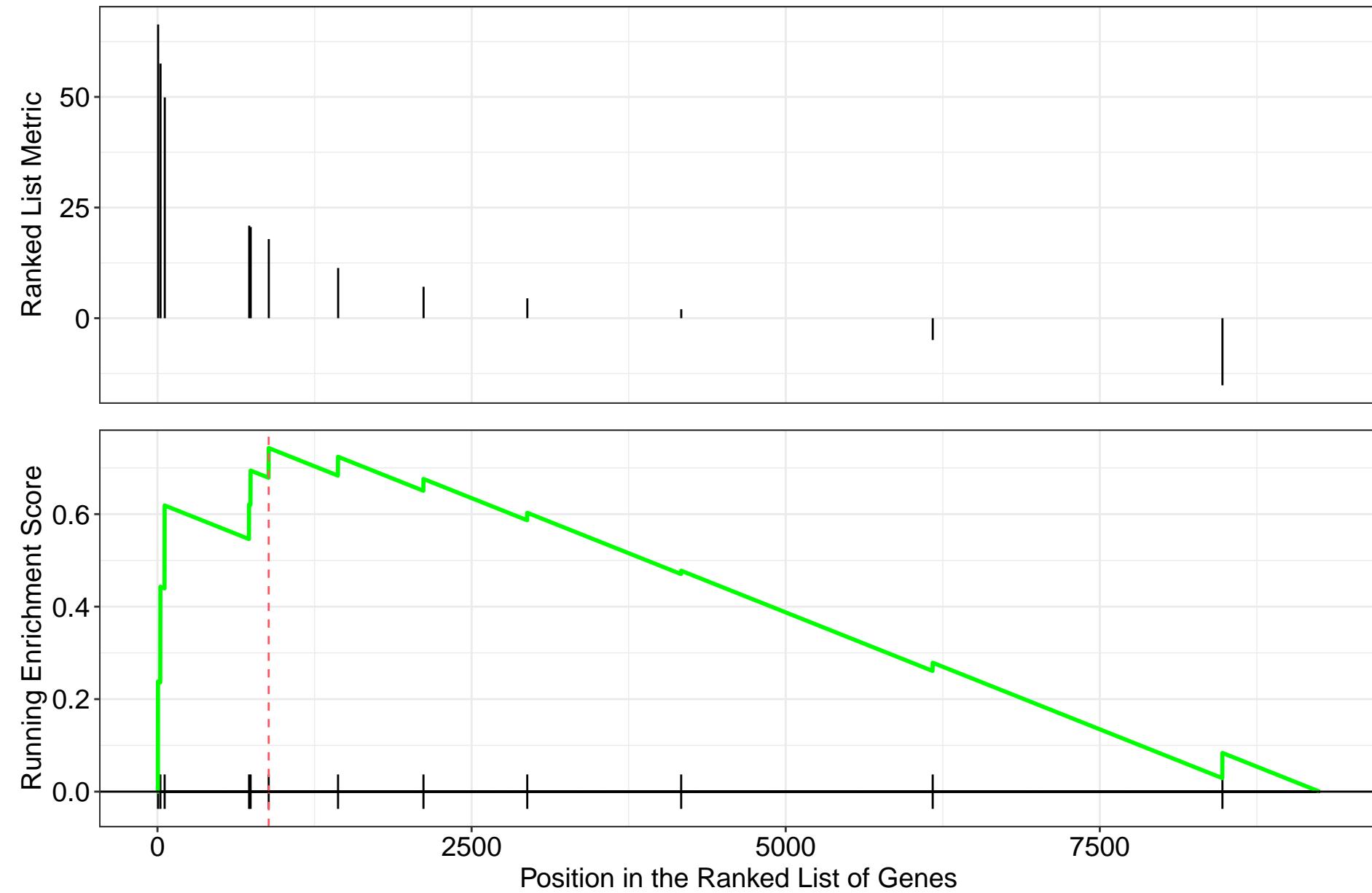
peptide transport



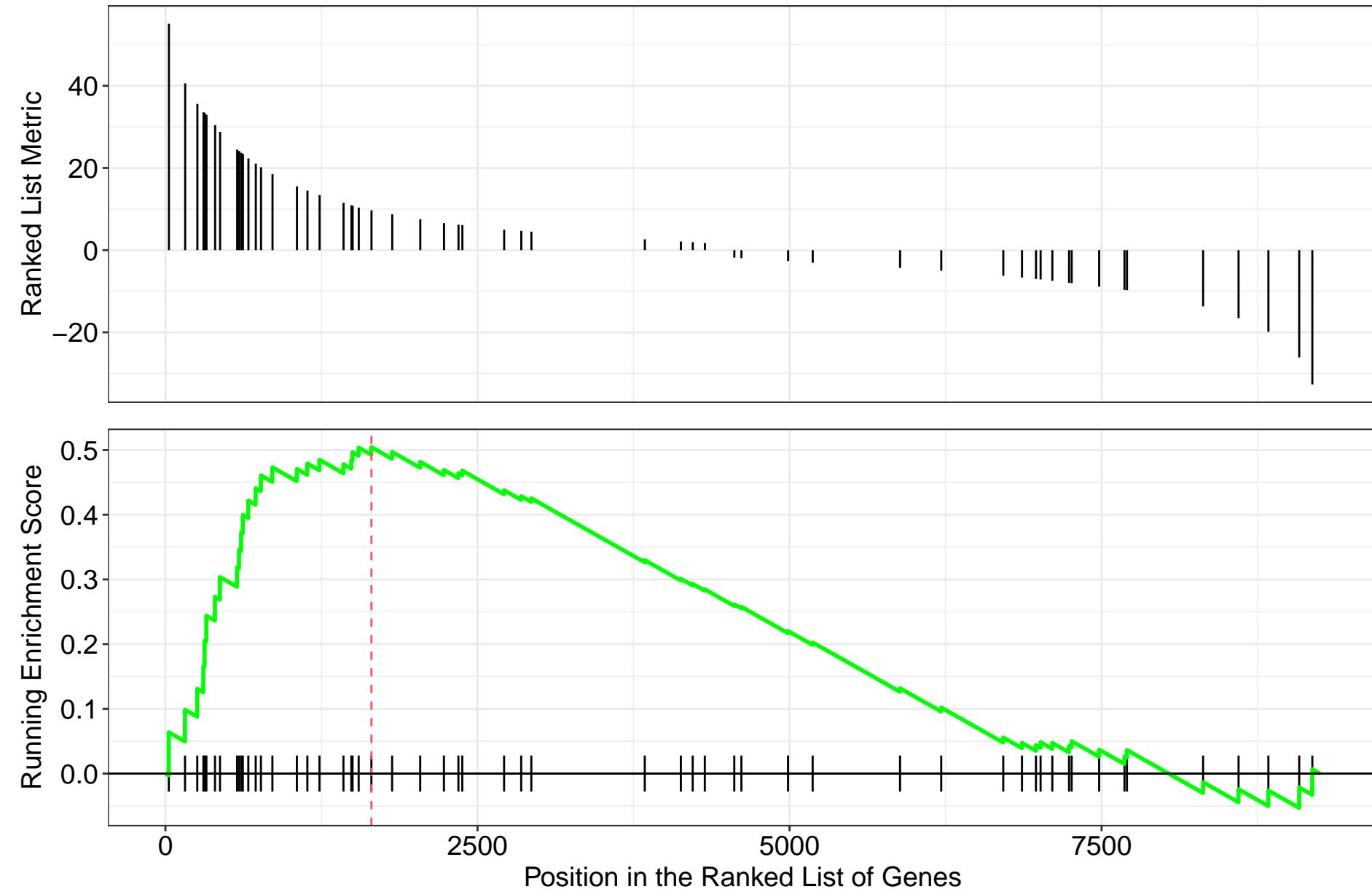
osteoclast differentiation



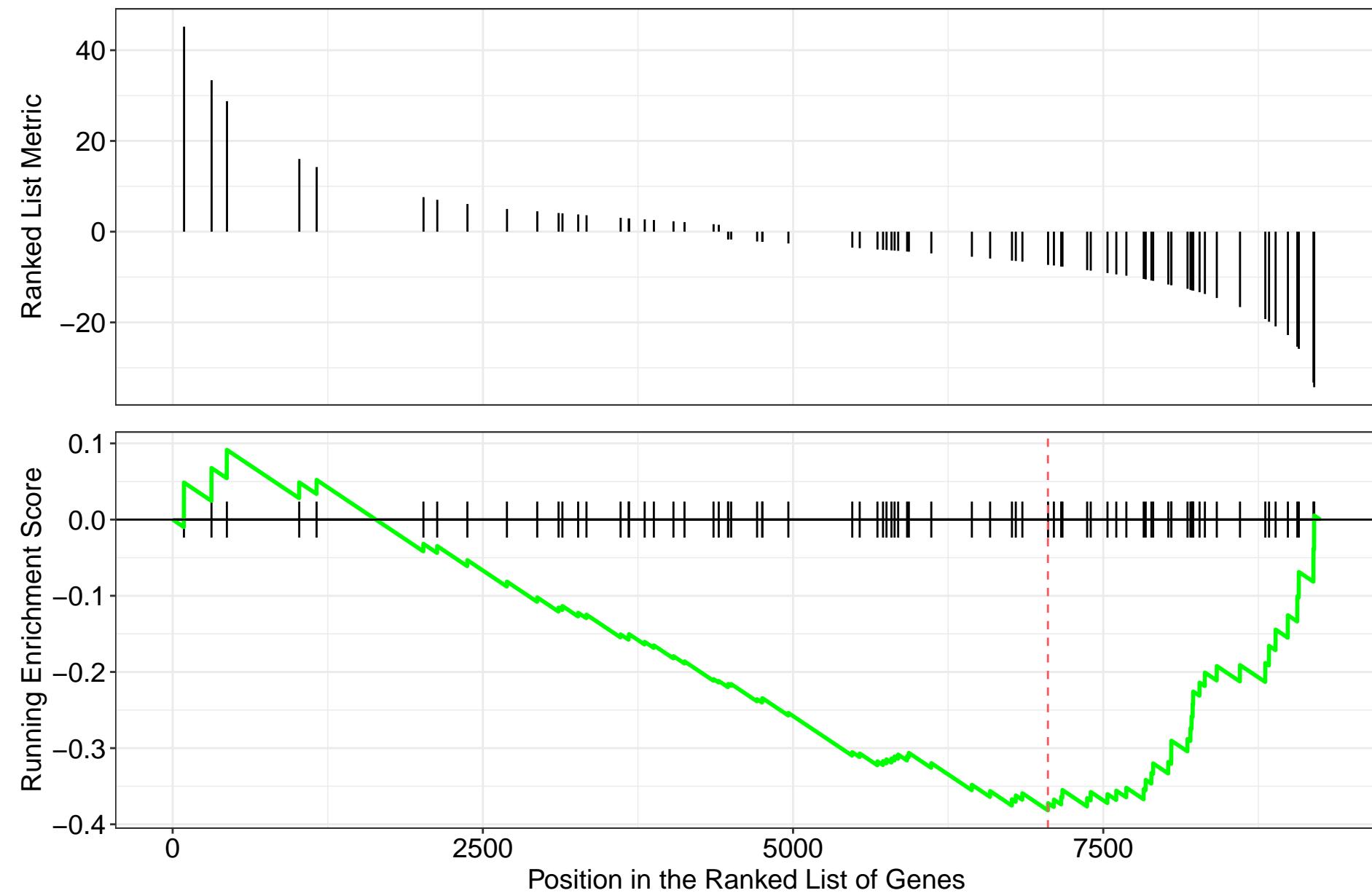
NK T cell proliferation



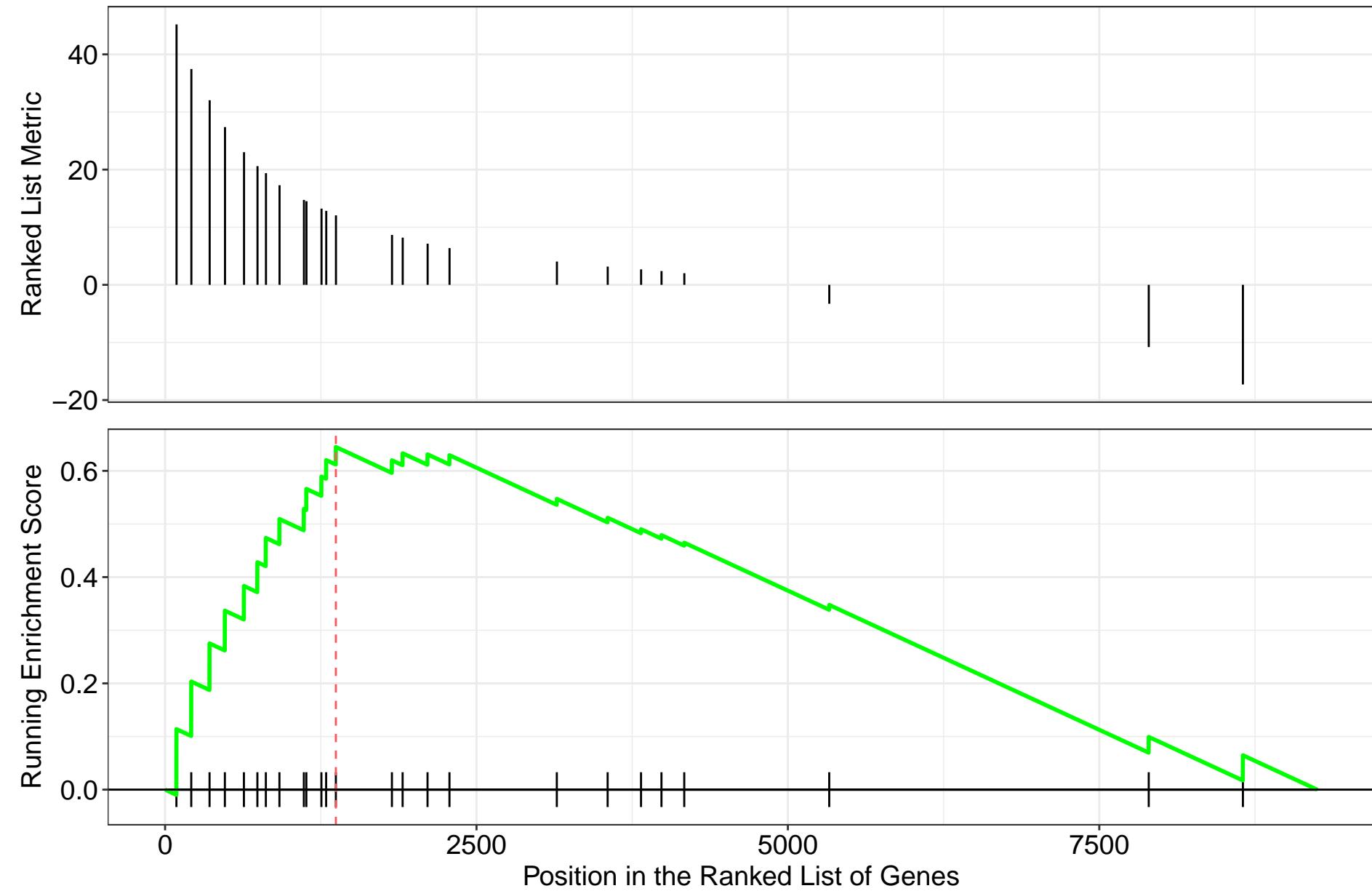
female sex differentiation



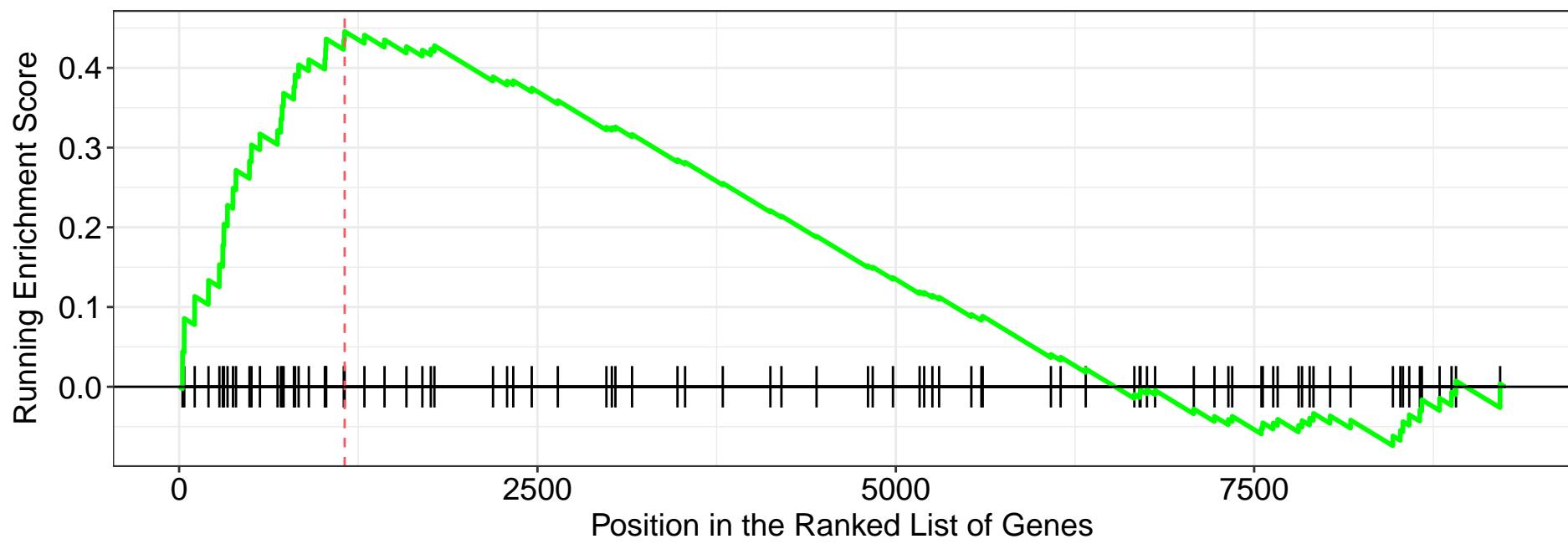
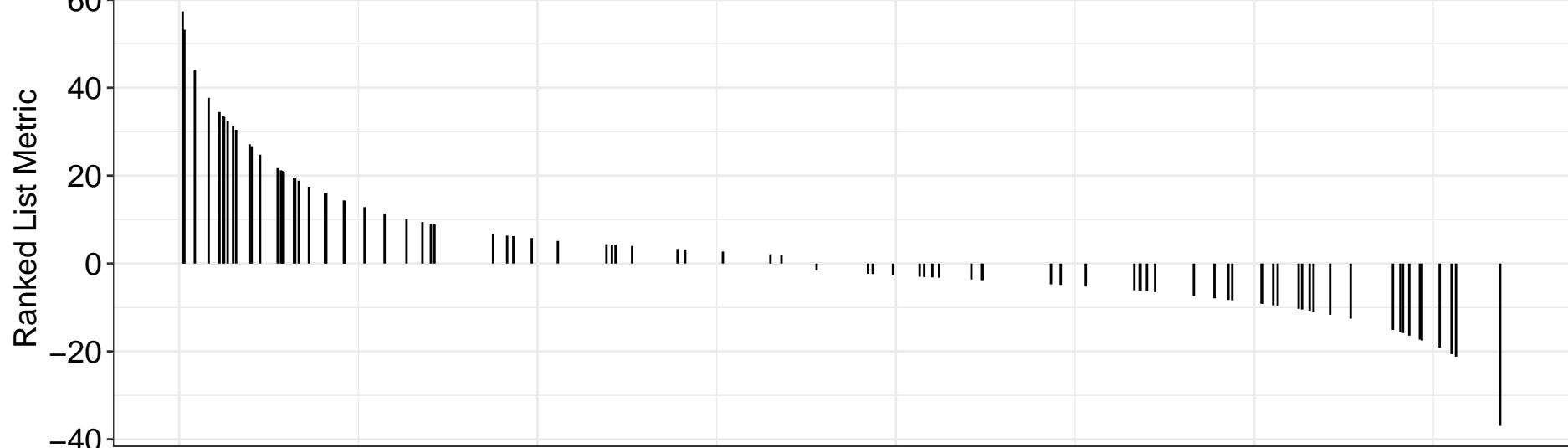
regulation of DNA replication



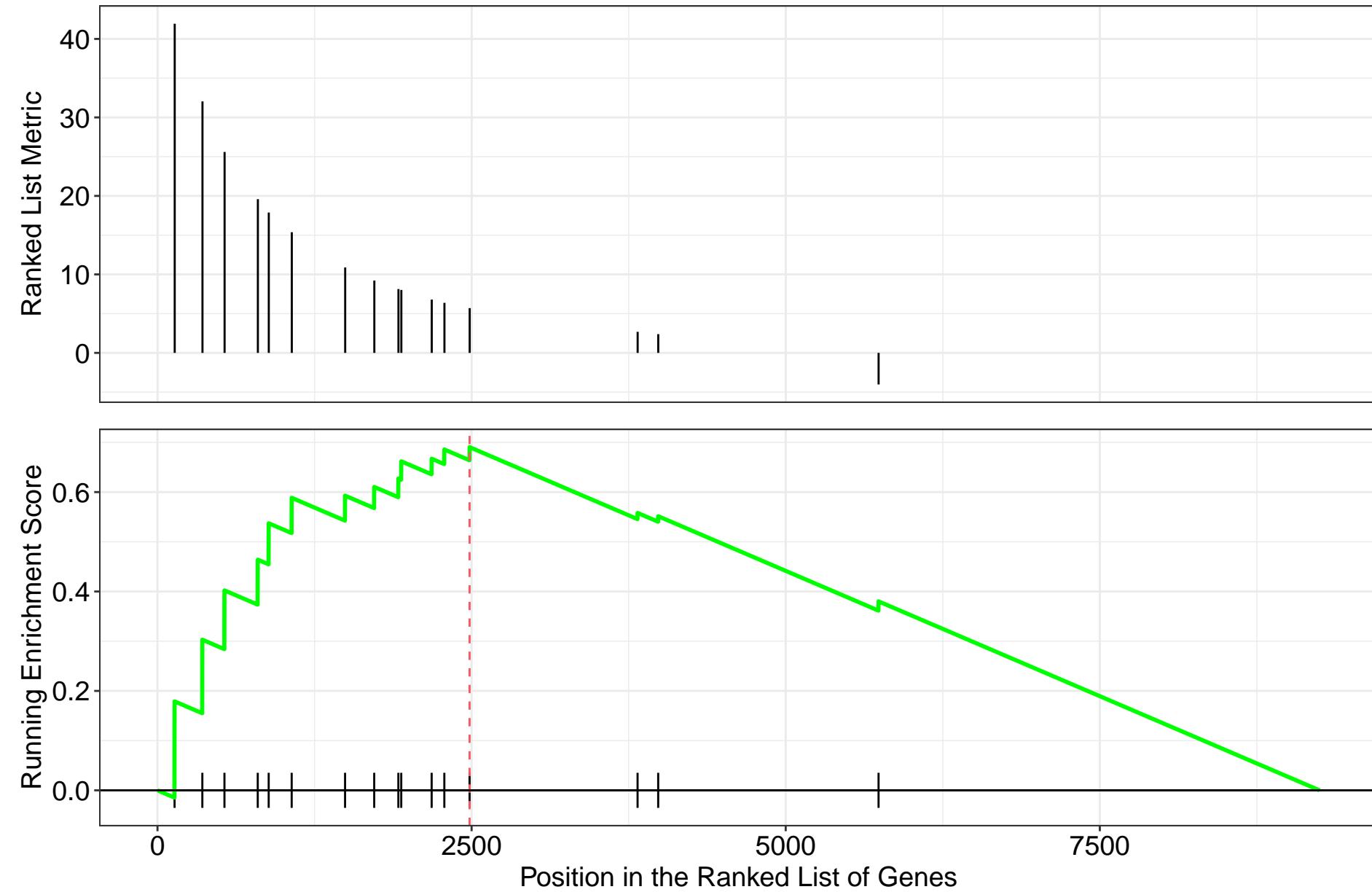
regulation of T-helper cell differentiation



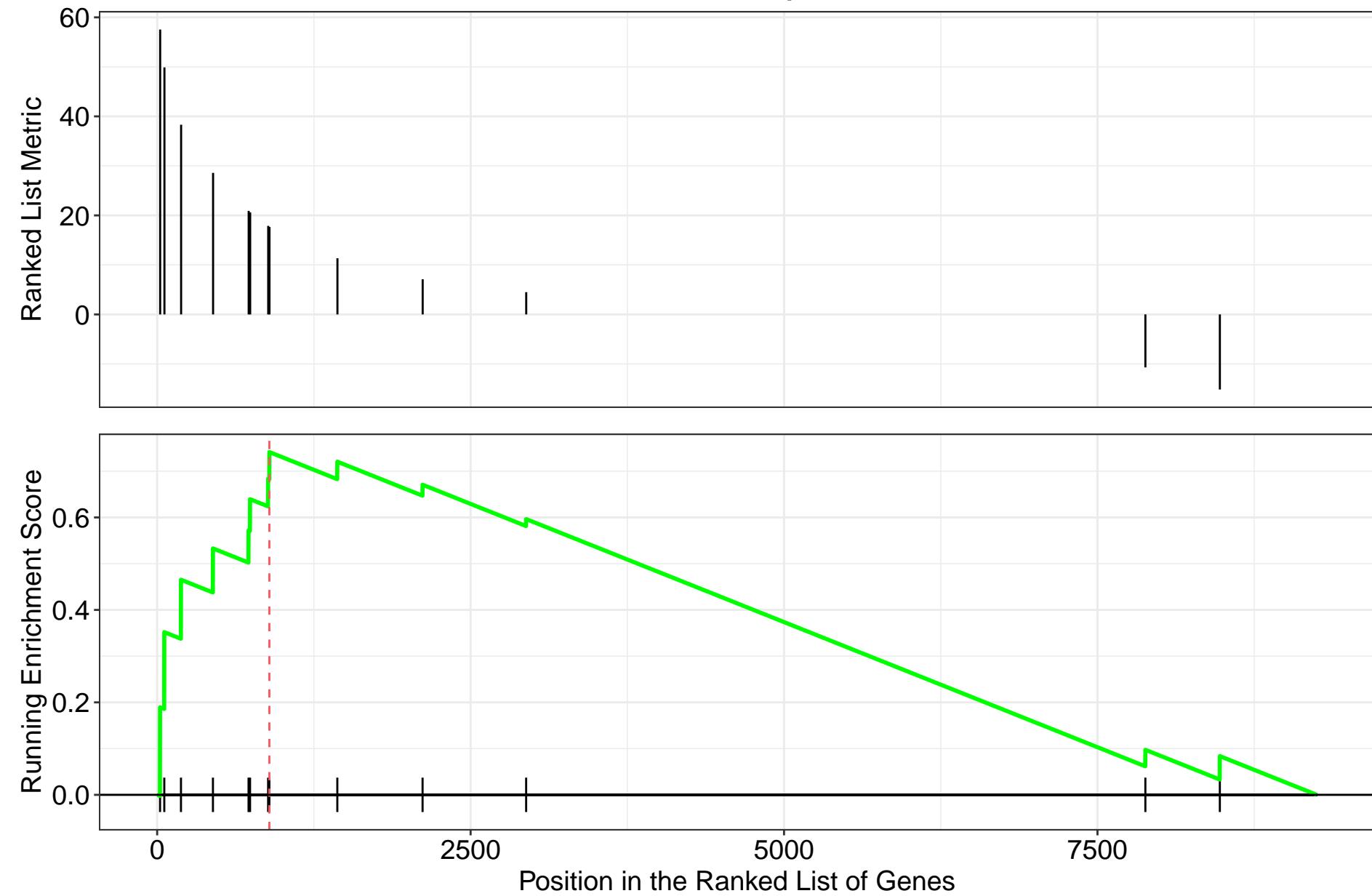
heart process



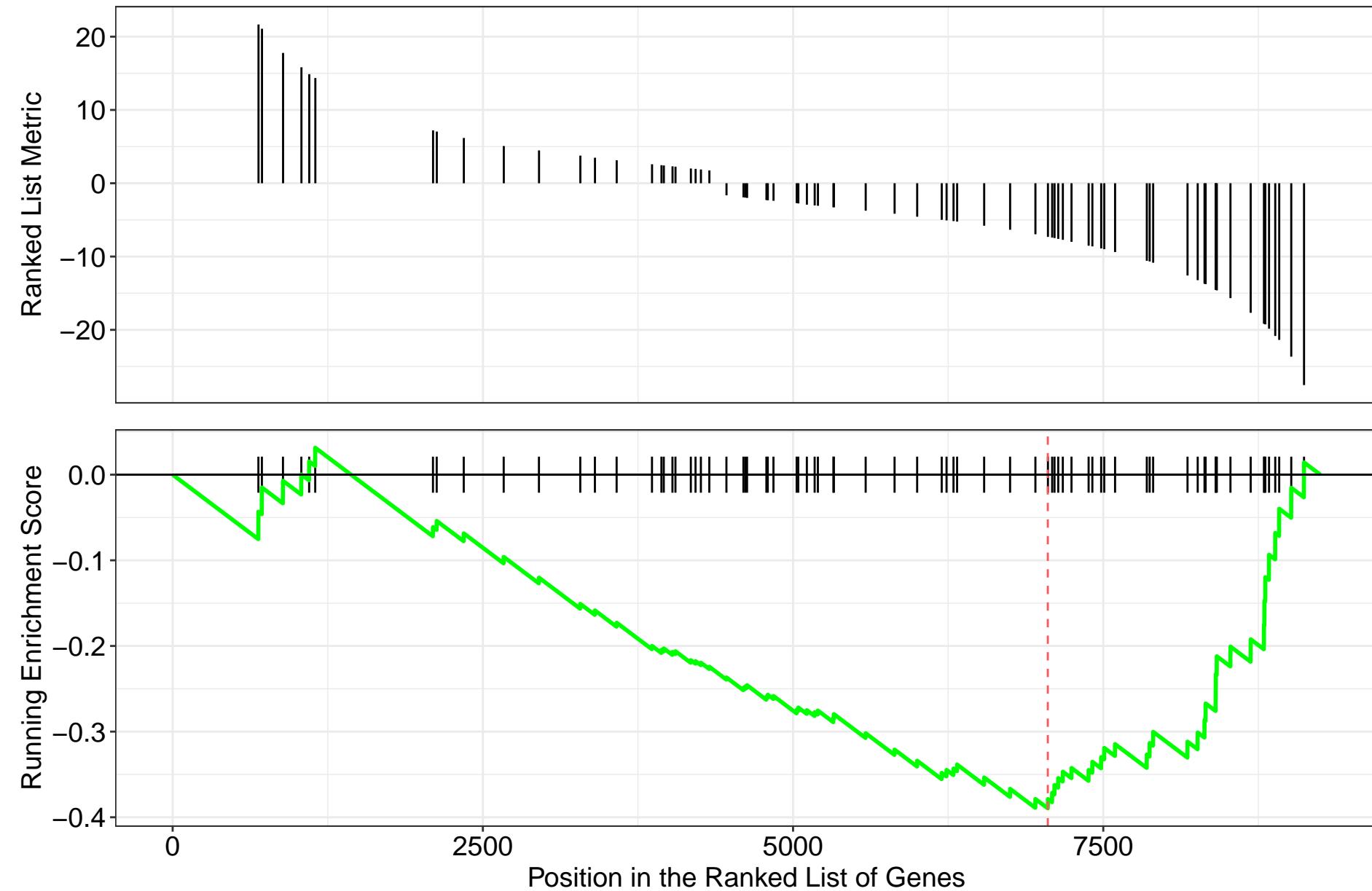
lymph node development



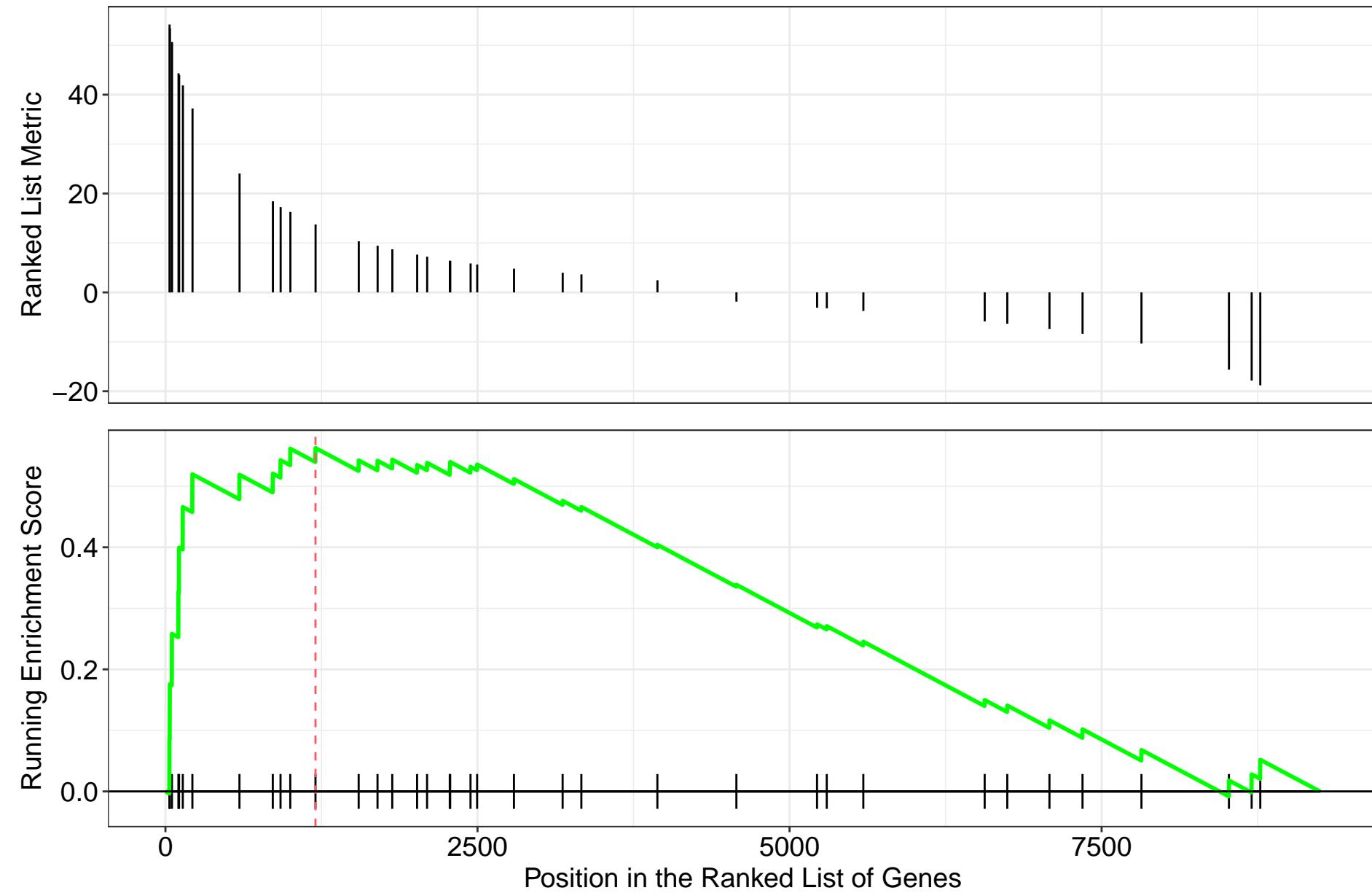
natural killer cell proliferation



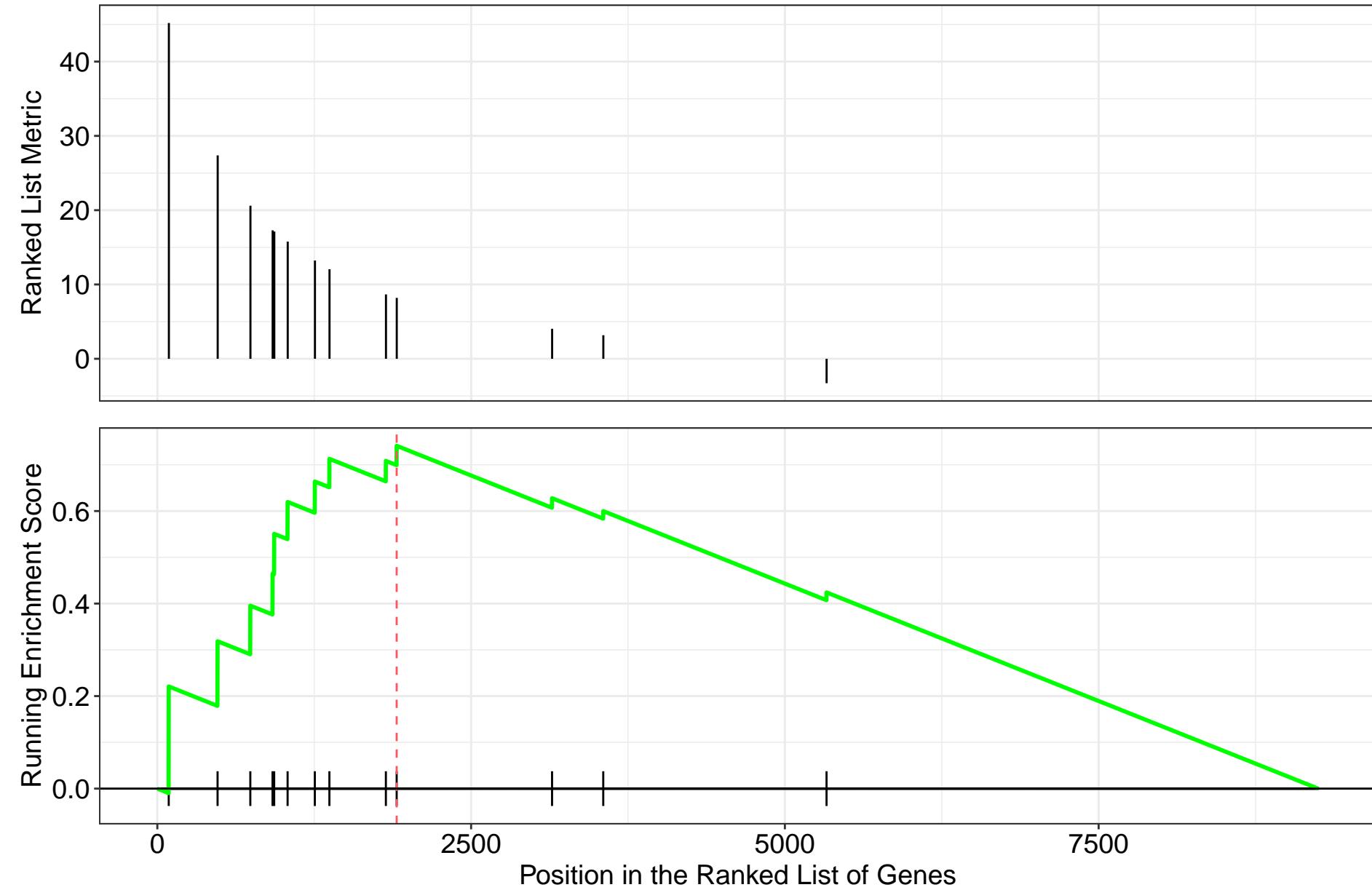
DNA damage checkpoint signaling



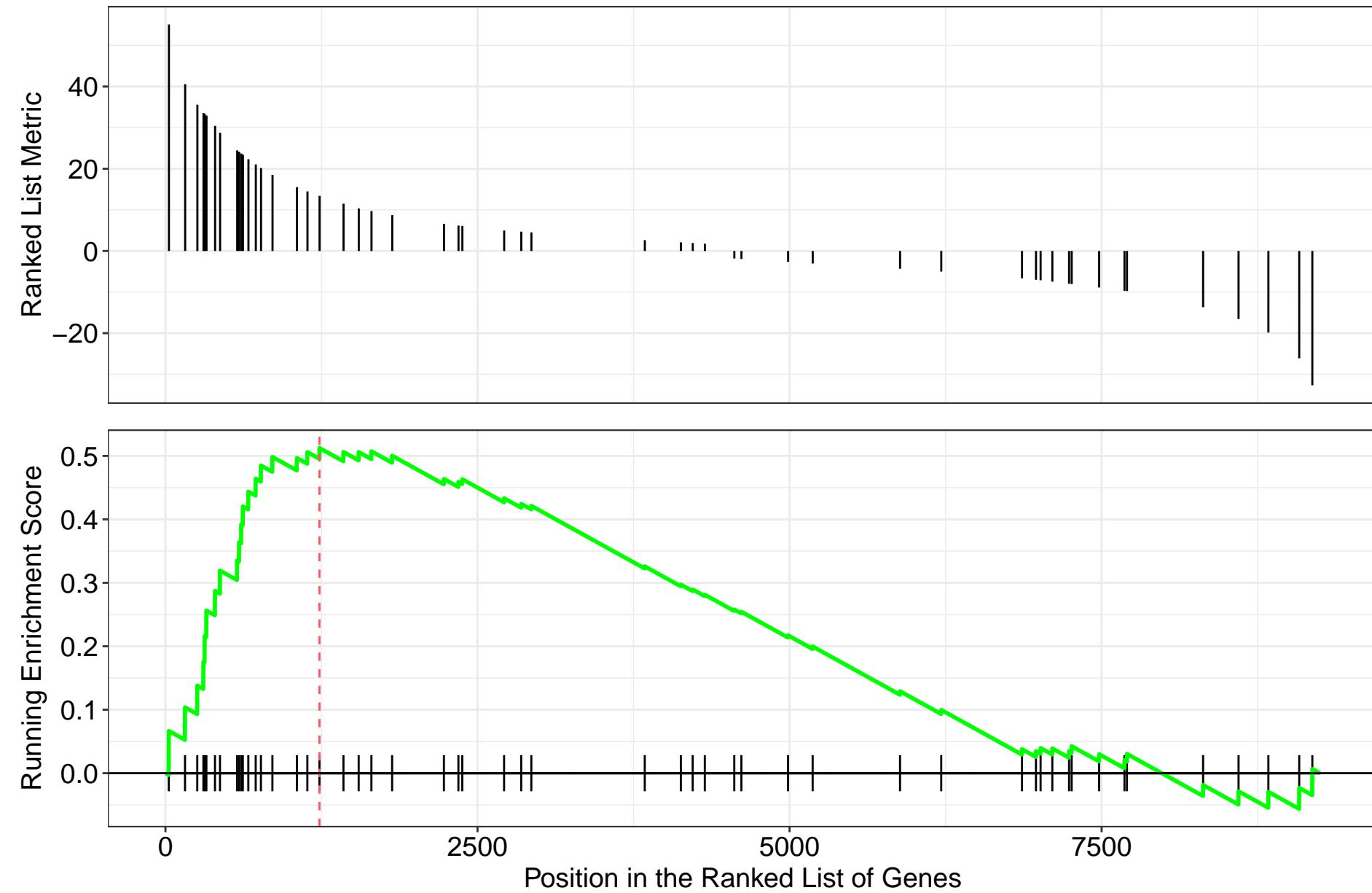
regulation of organic acid transport



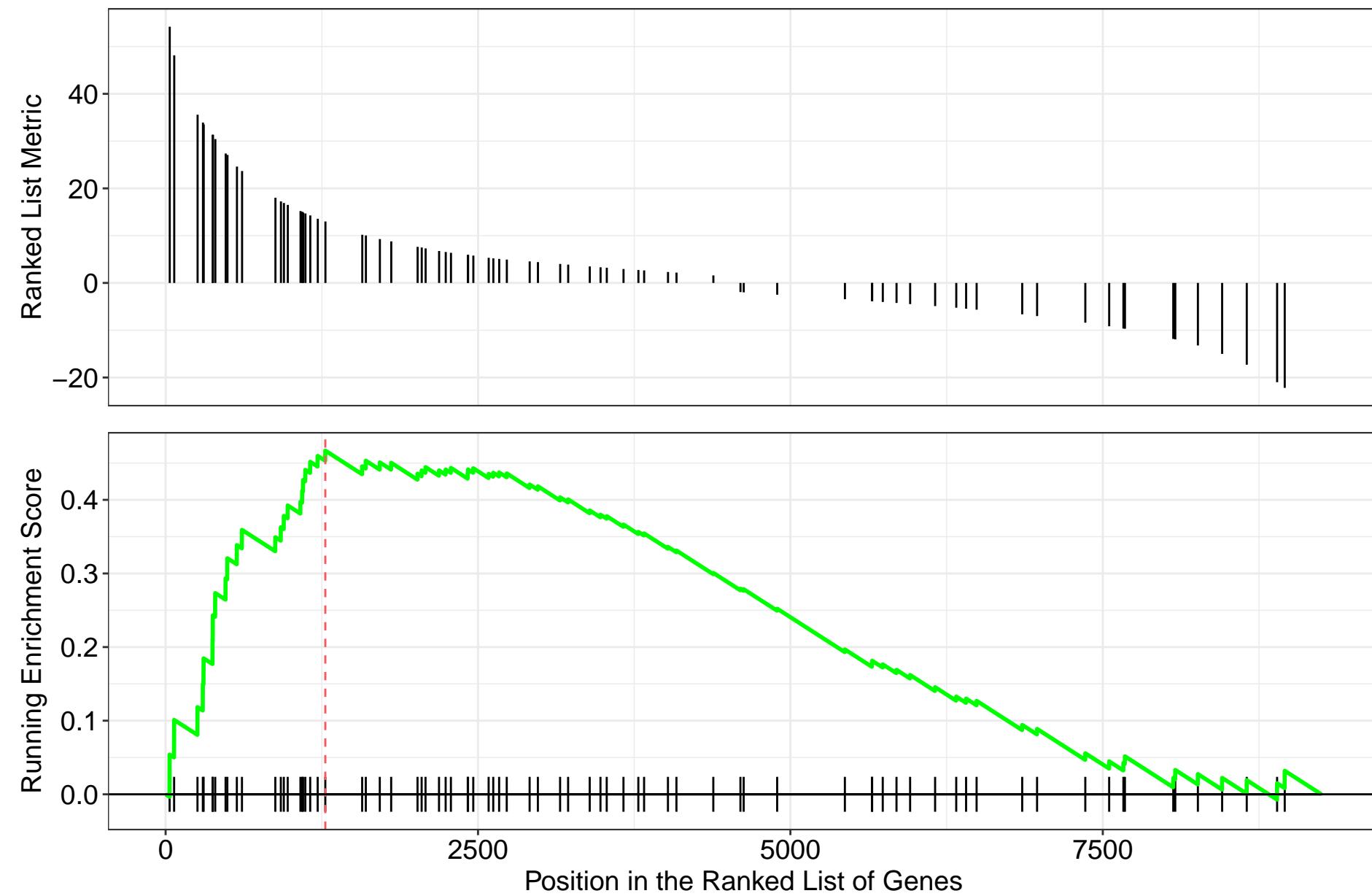
T-helper 2 cell differentiation



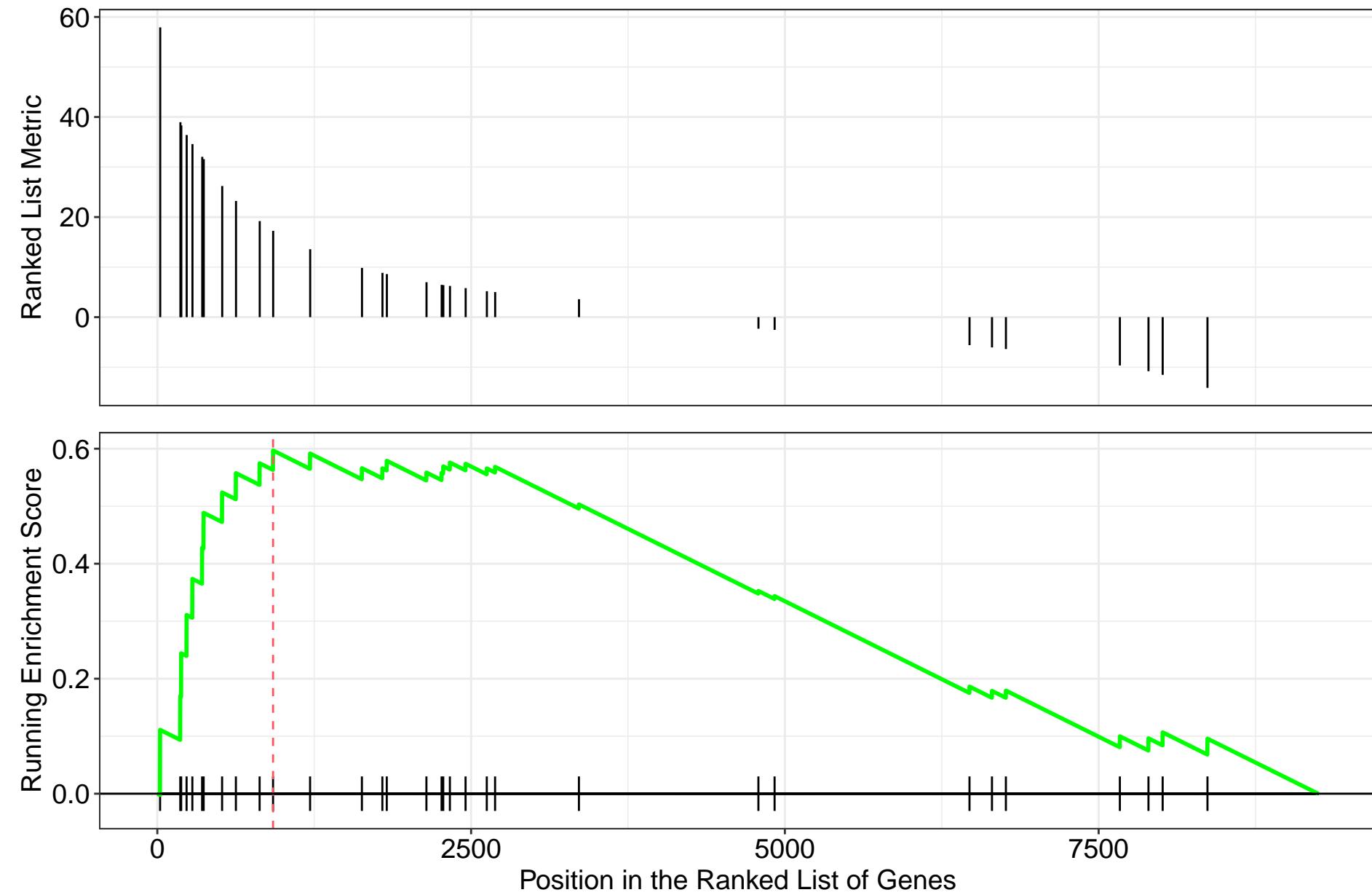
development of primary female sexual characteristics



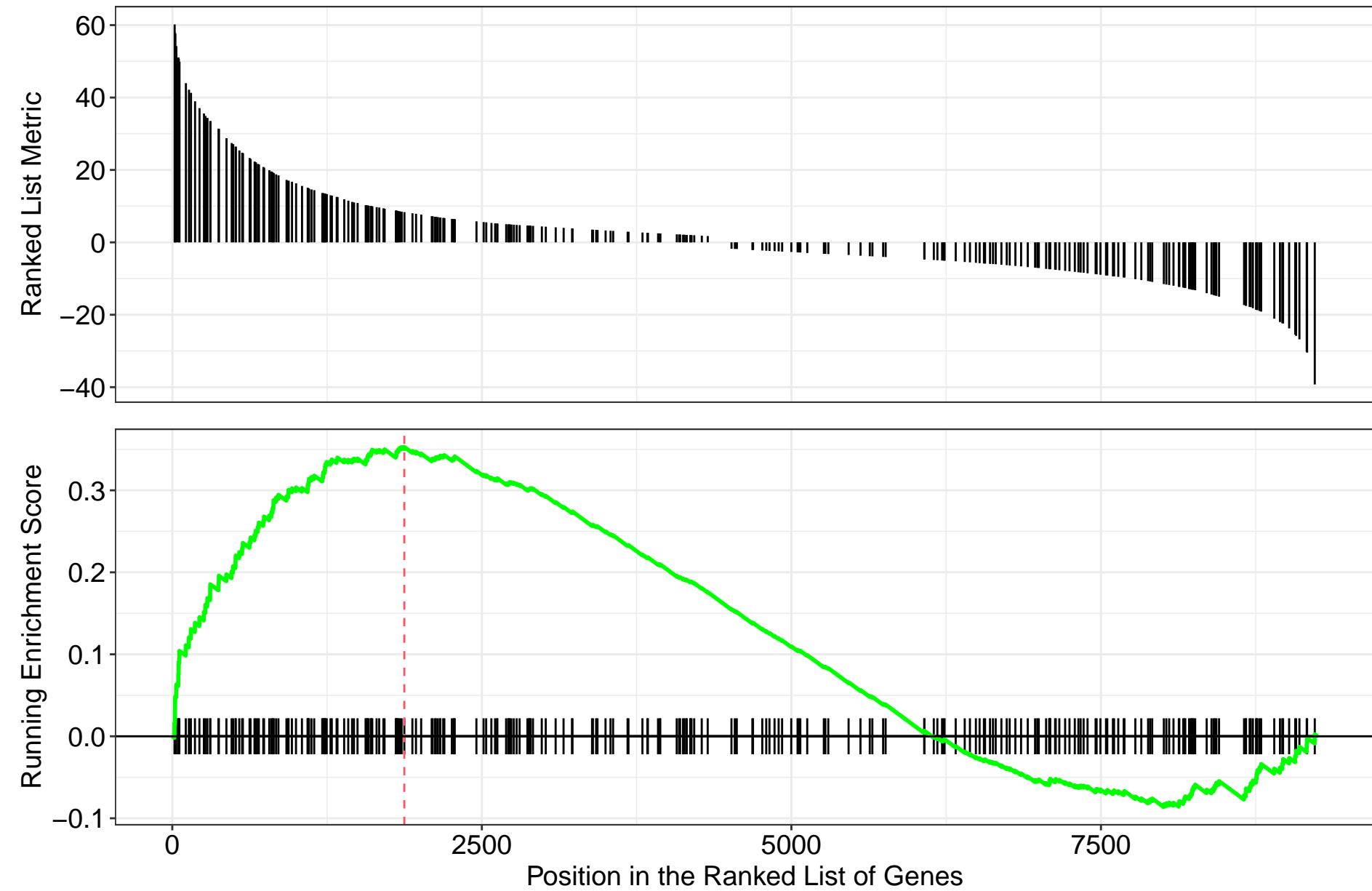
regulation of extrinsic apoptotic signaling pathway



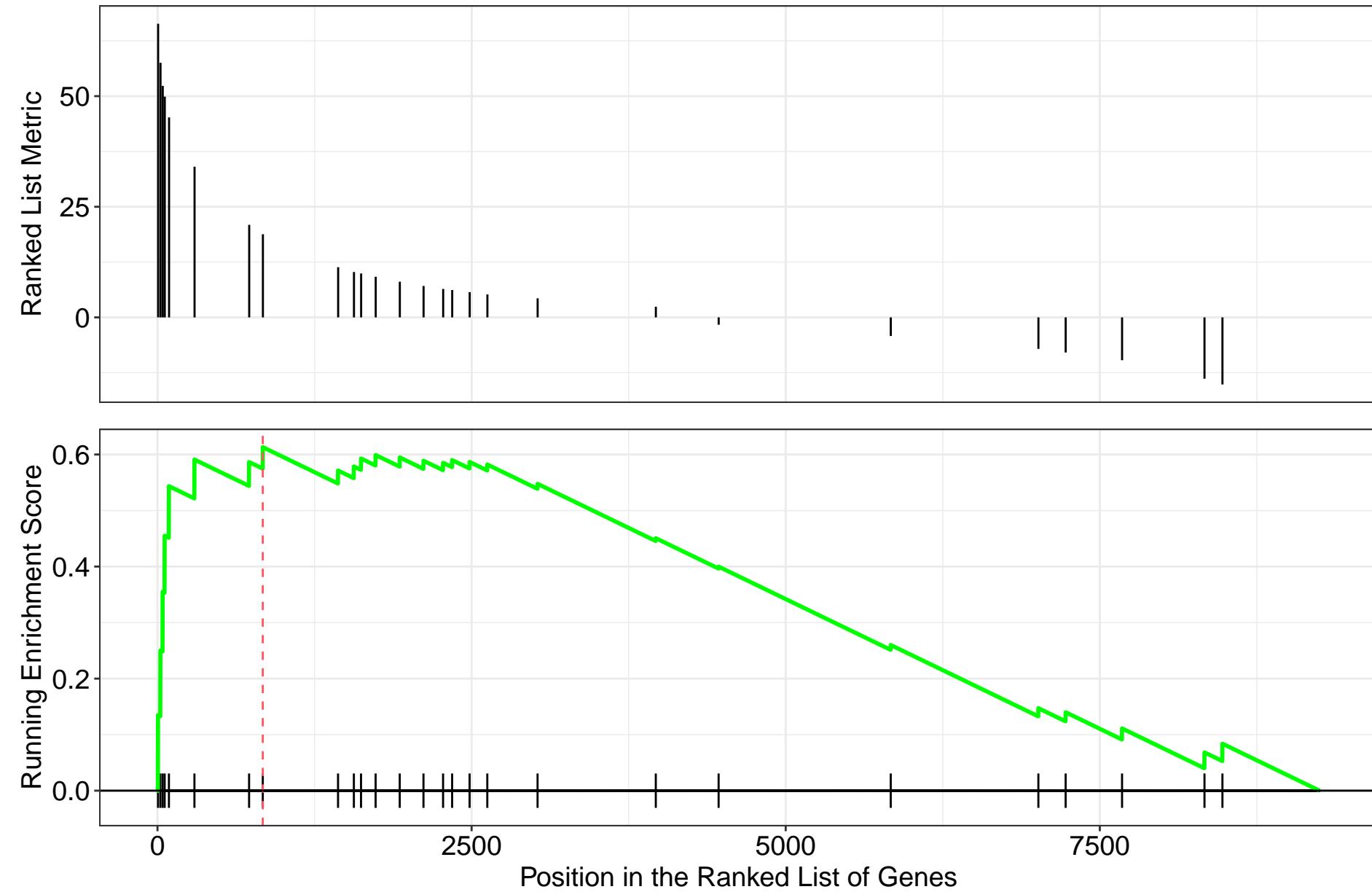
regulation of macrophage migration



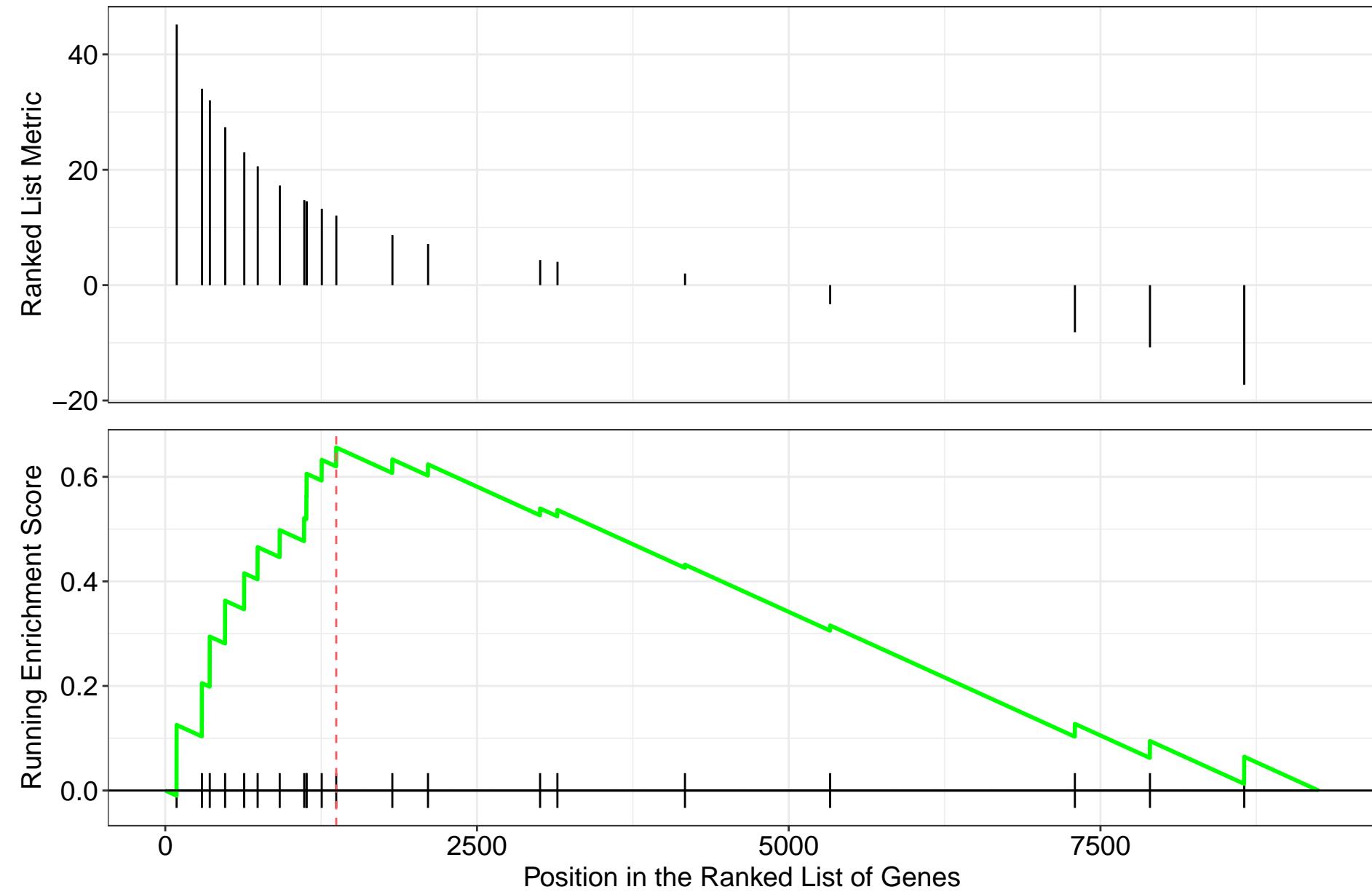
angiogenesis



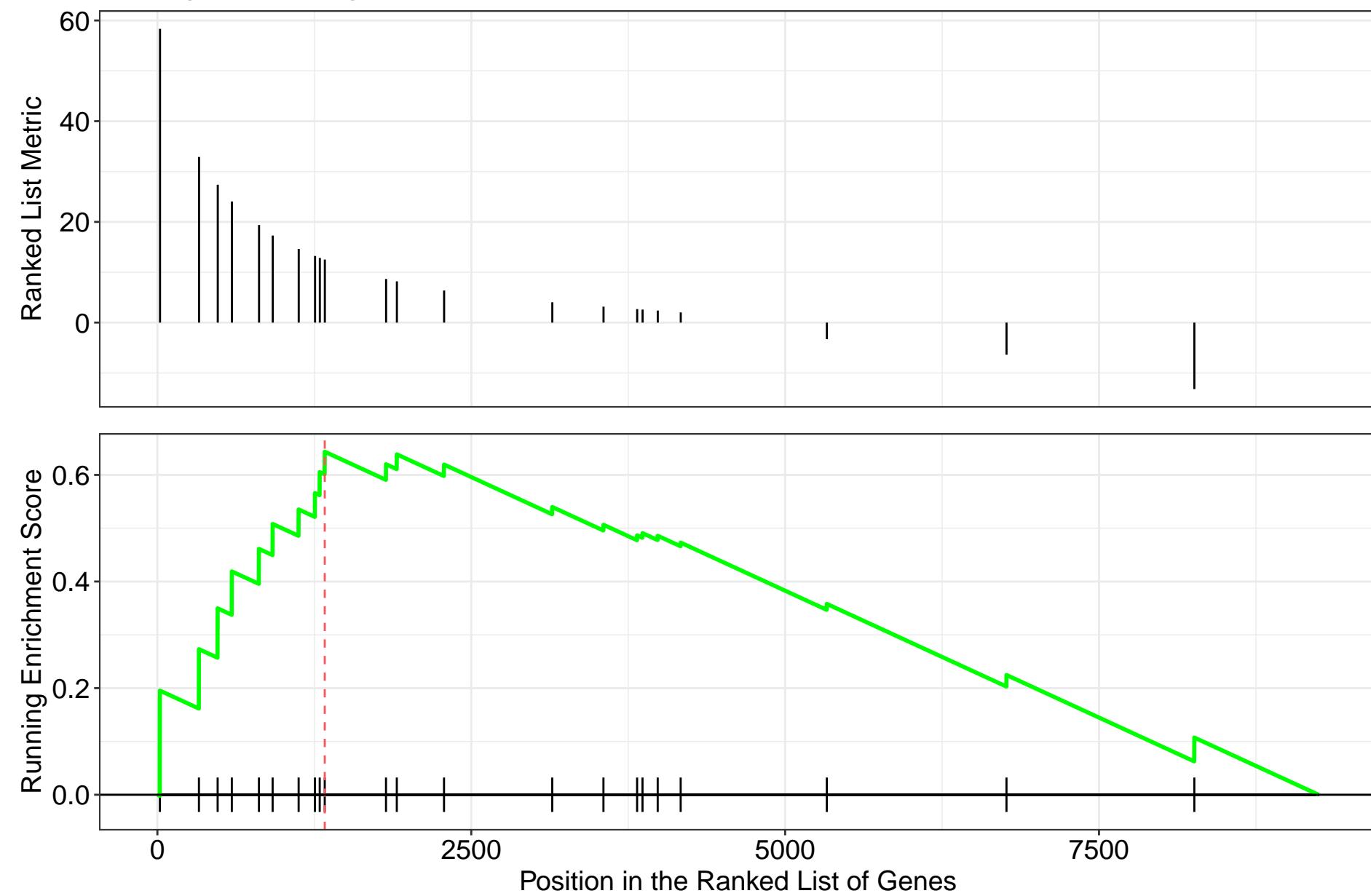
positive regulation of receptor signaling pathway via STAT



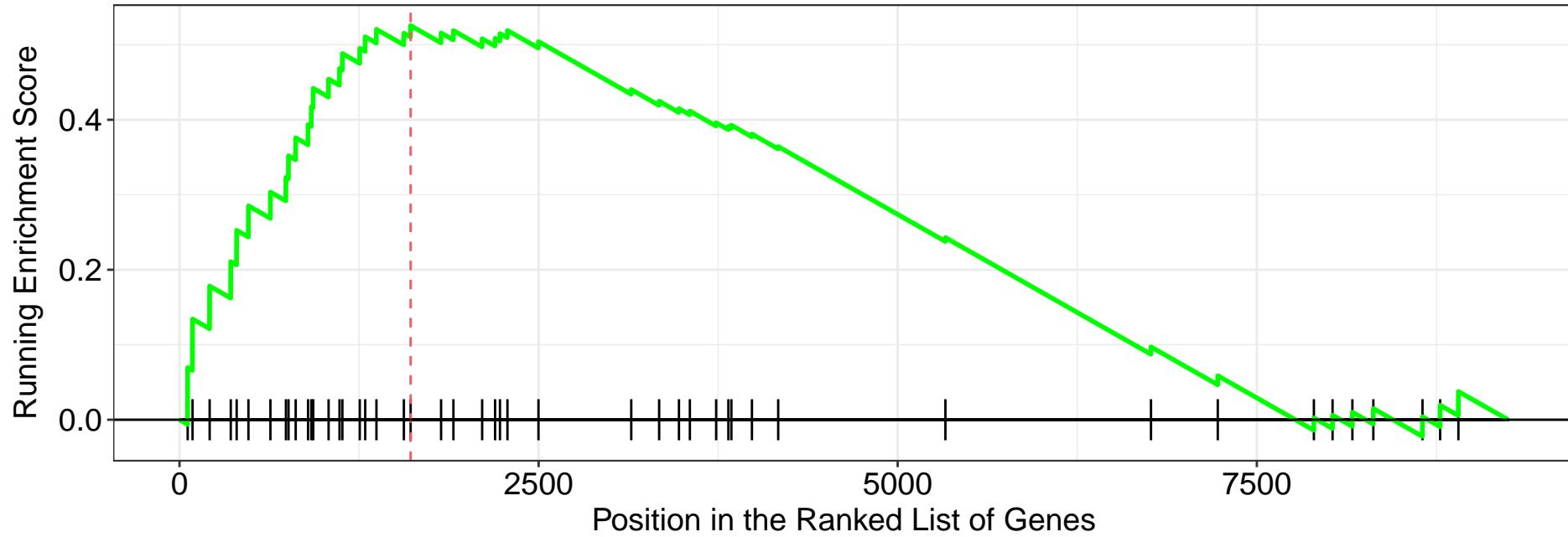
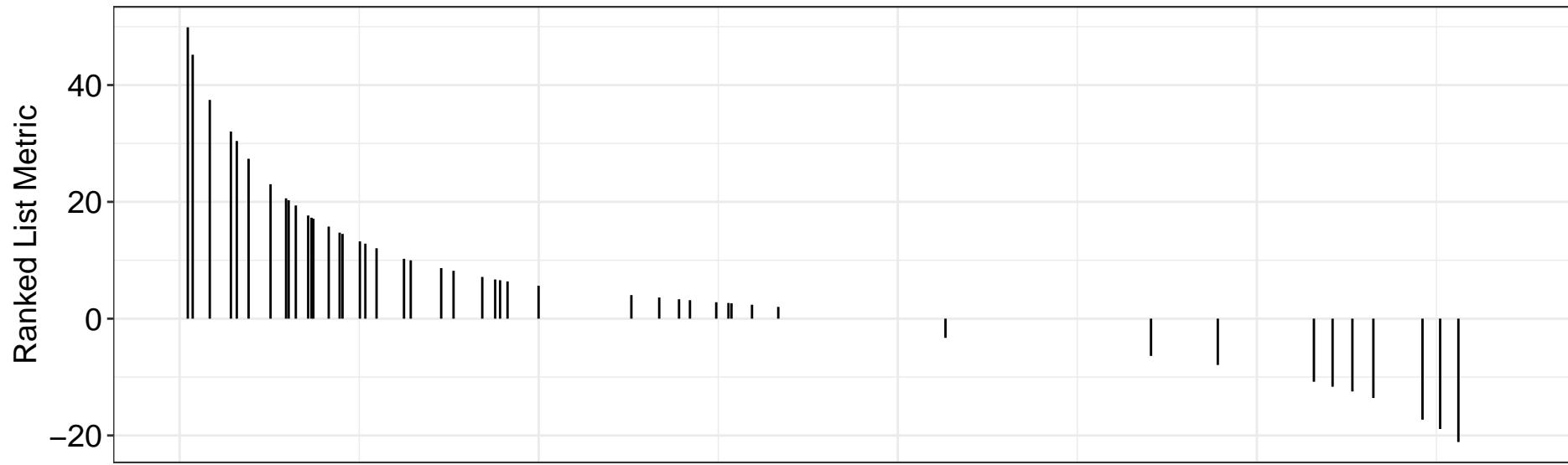
positive regulation of CD4-positive, alpha–beta T cell differentiation



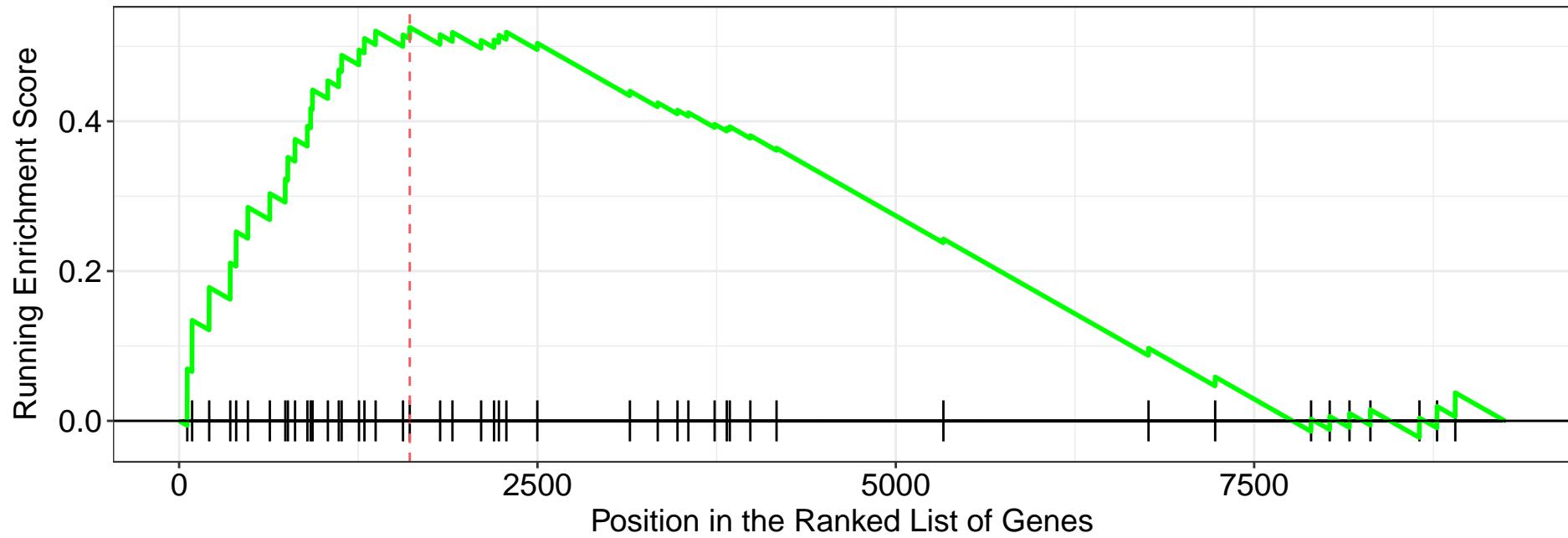
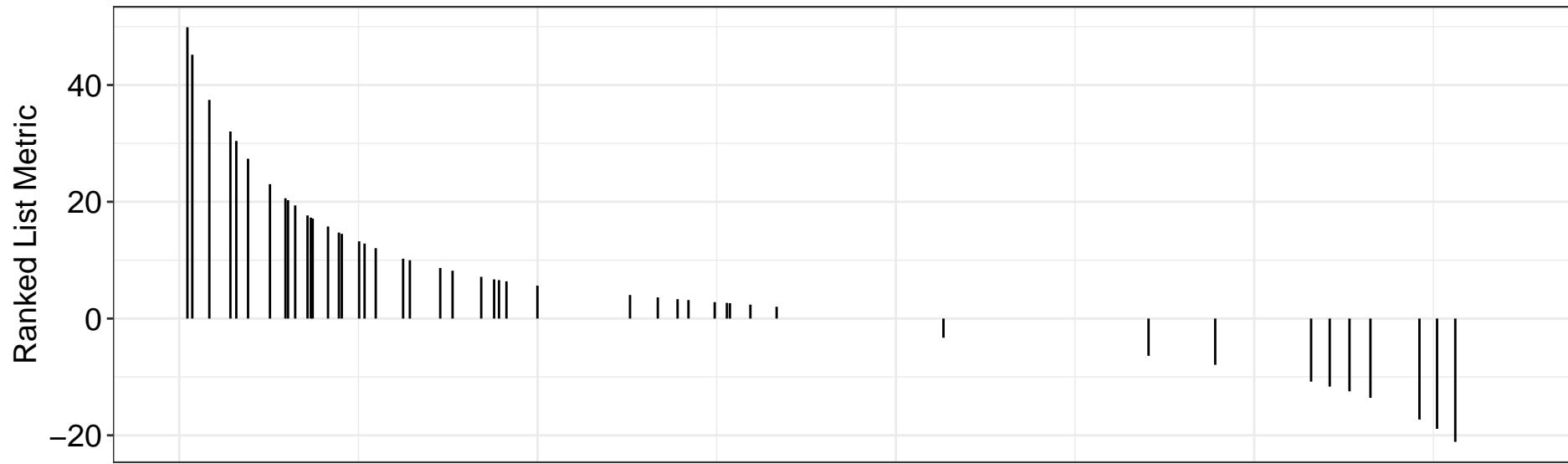
negative regulation of CD4-positive, alpha-beta T cell activation



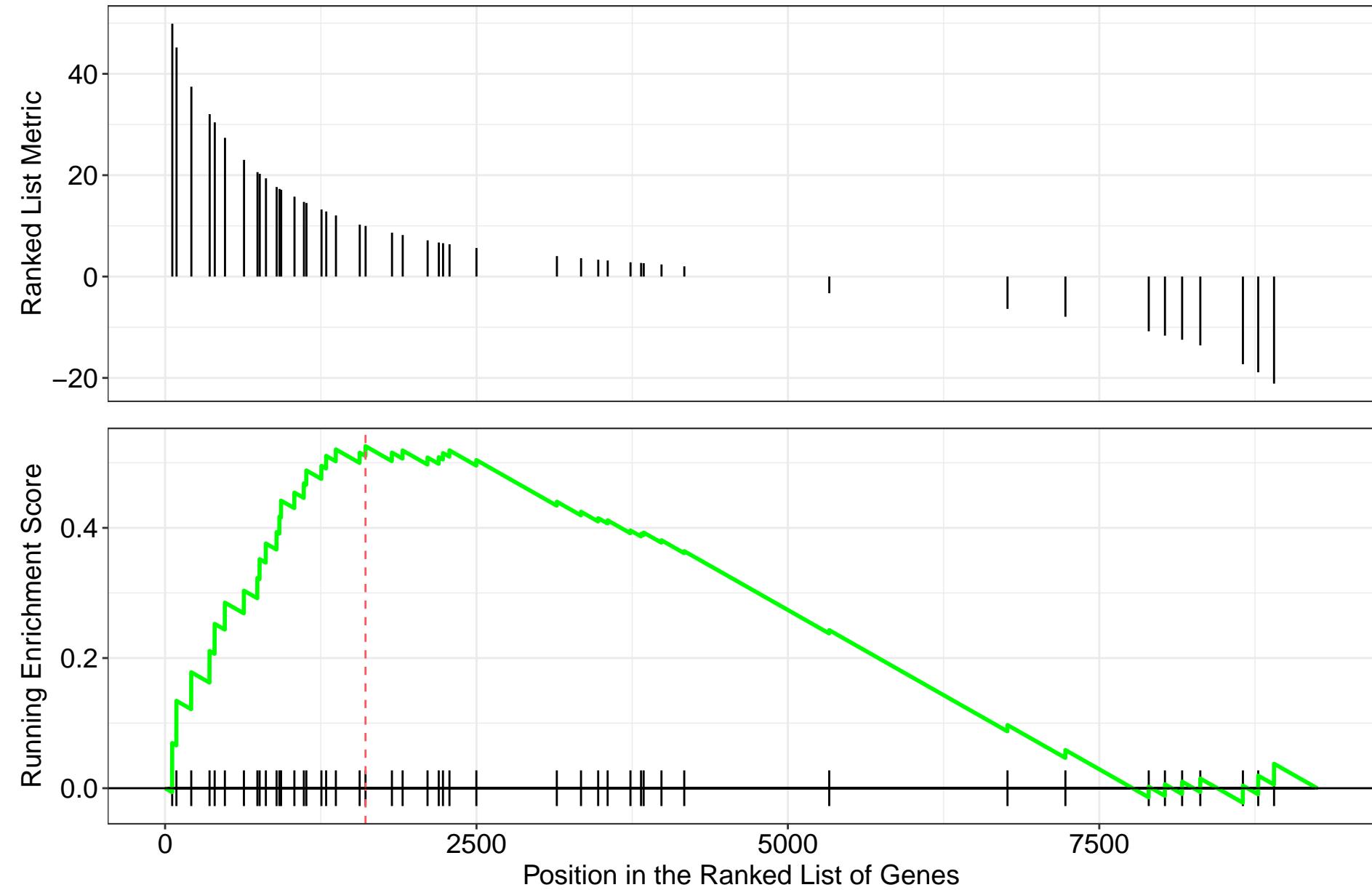
alpha–beta T cell differentiation involved in immune response



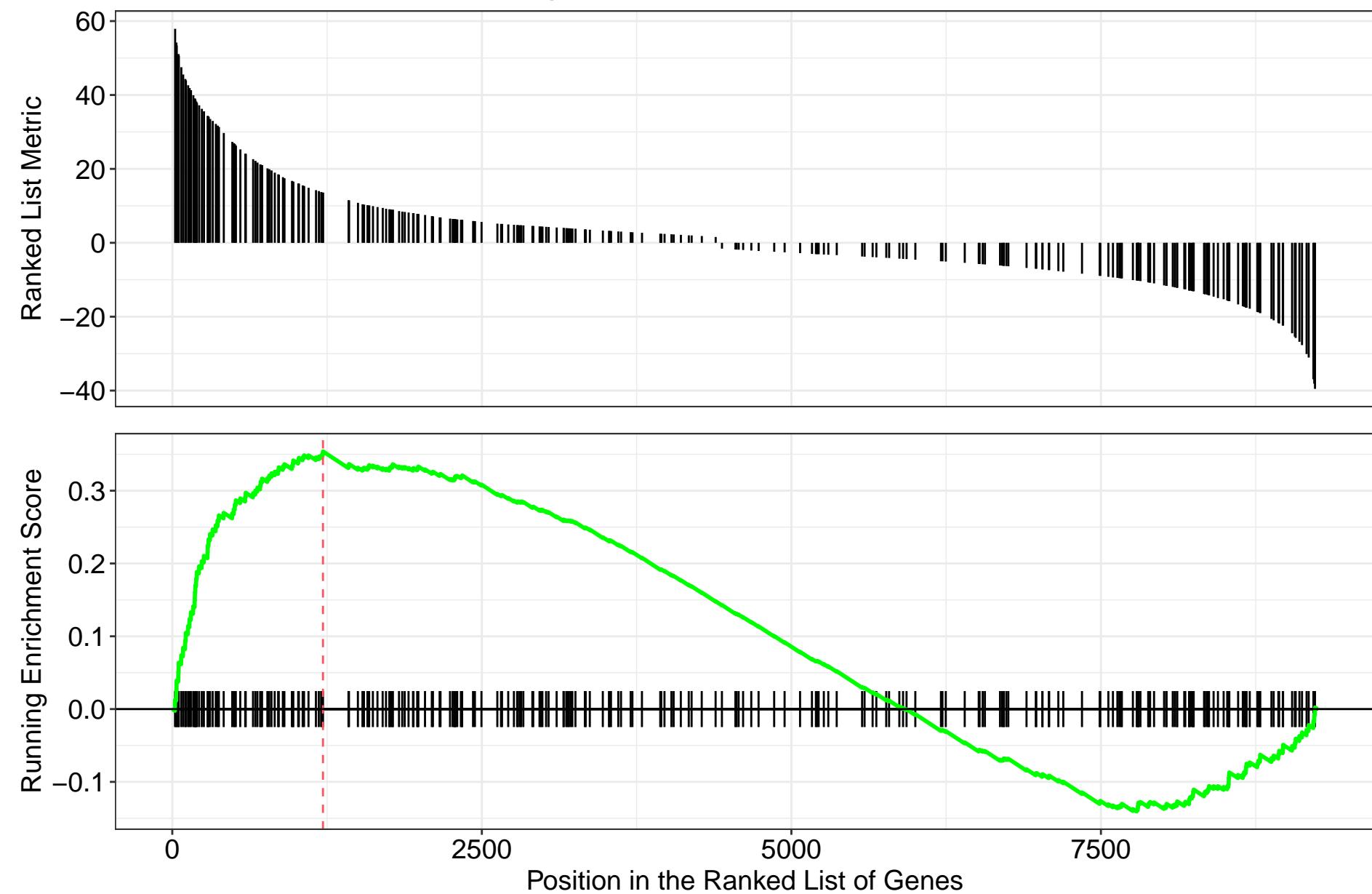
CD4-positive, alpha-beta T cell differentiation involved in immune response



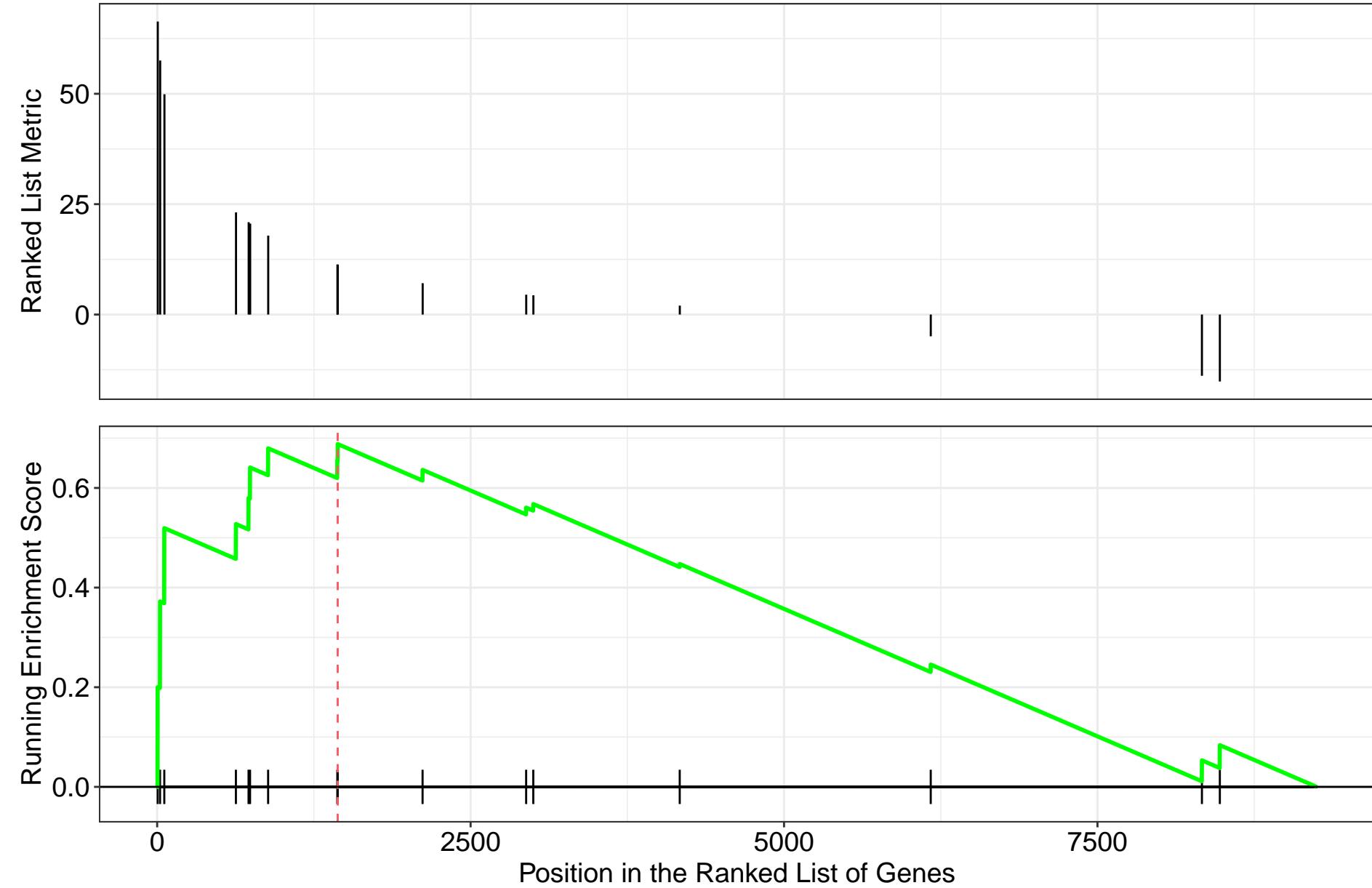
T-helper cell differentiation



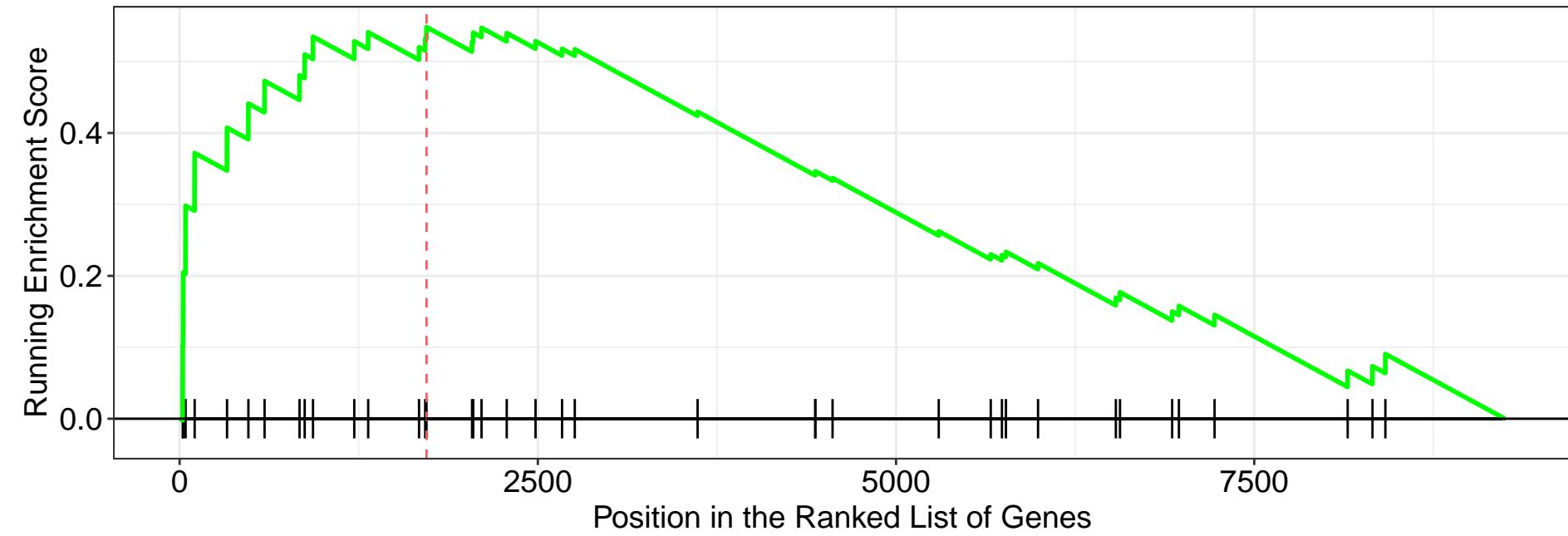
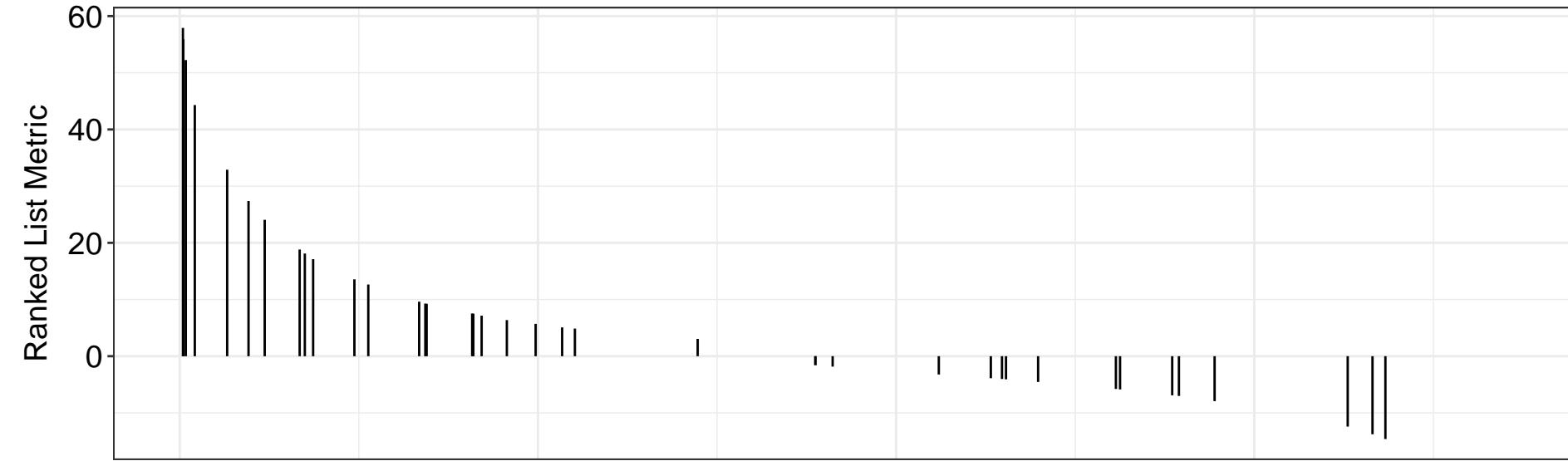
regulation of ion transport



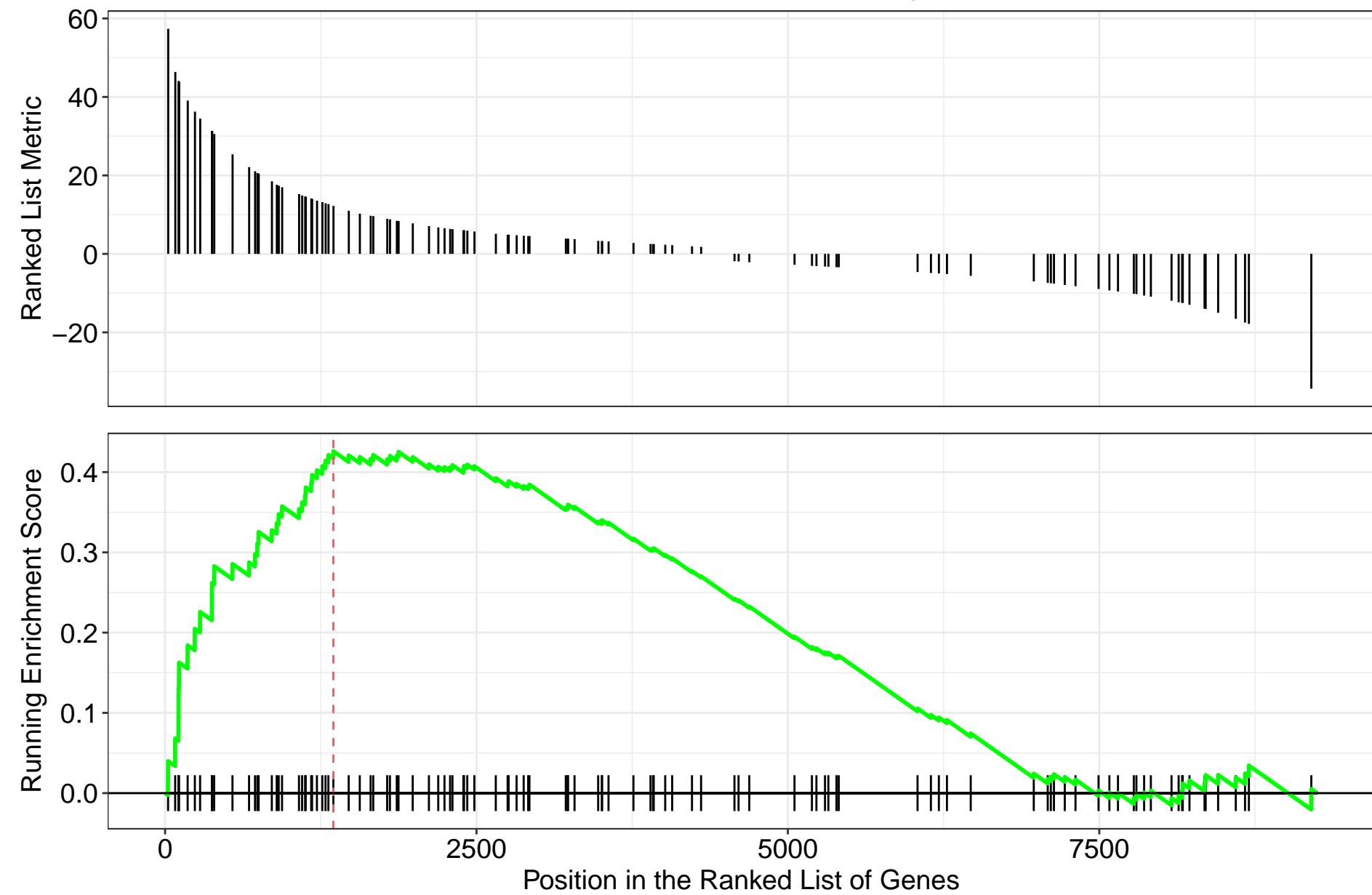
NK T cell activation



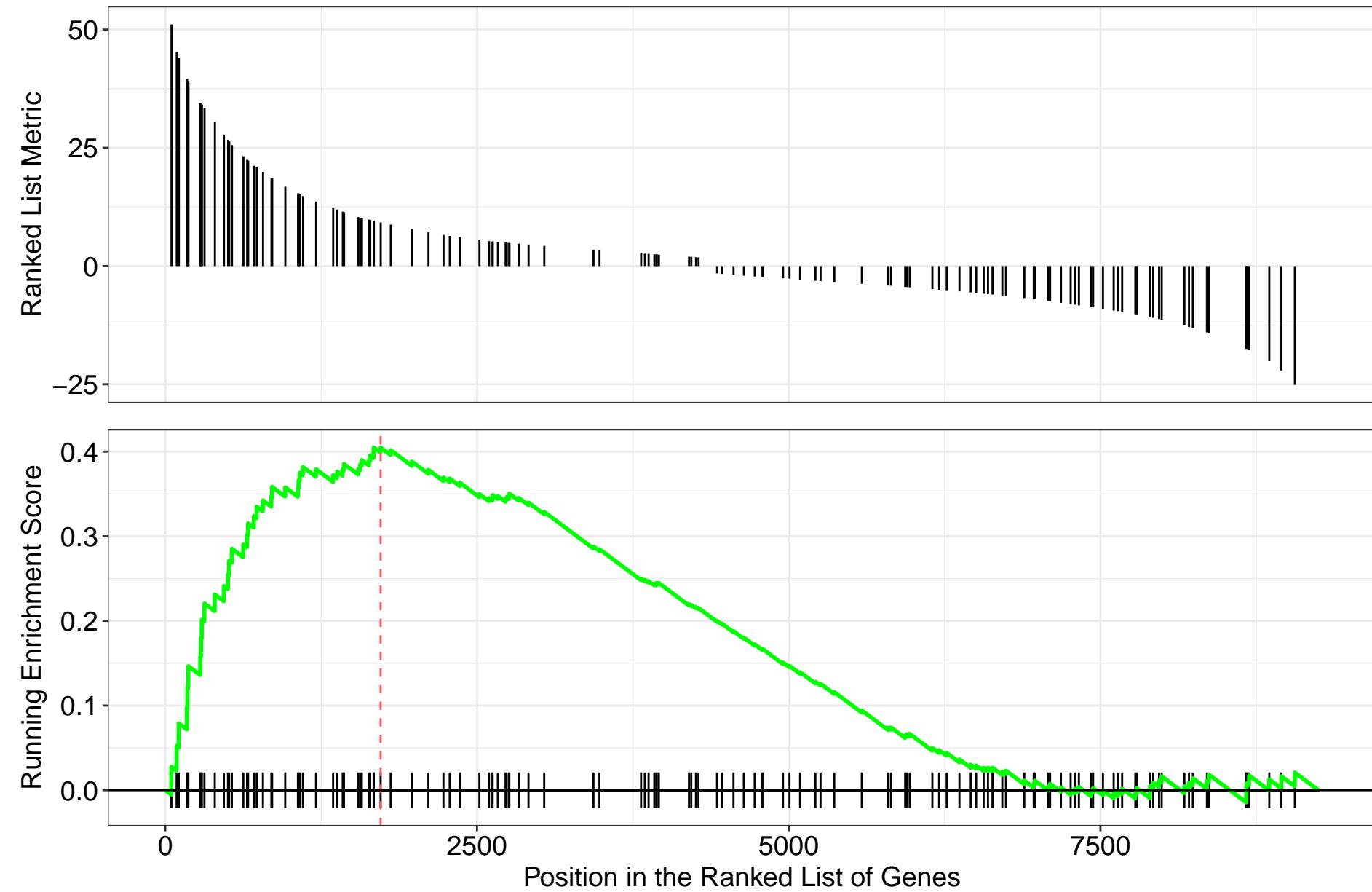
T cell apoptotic process



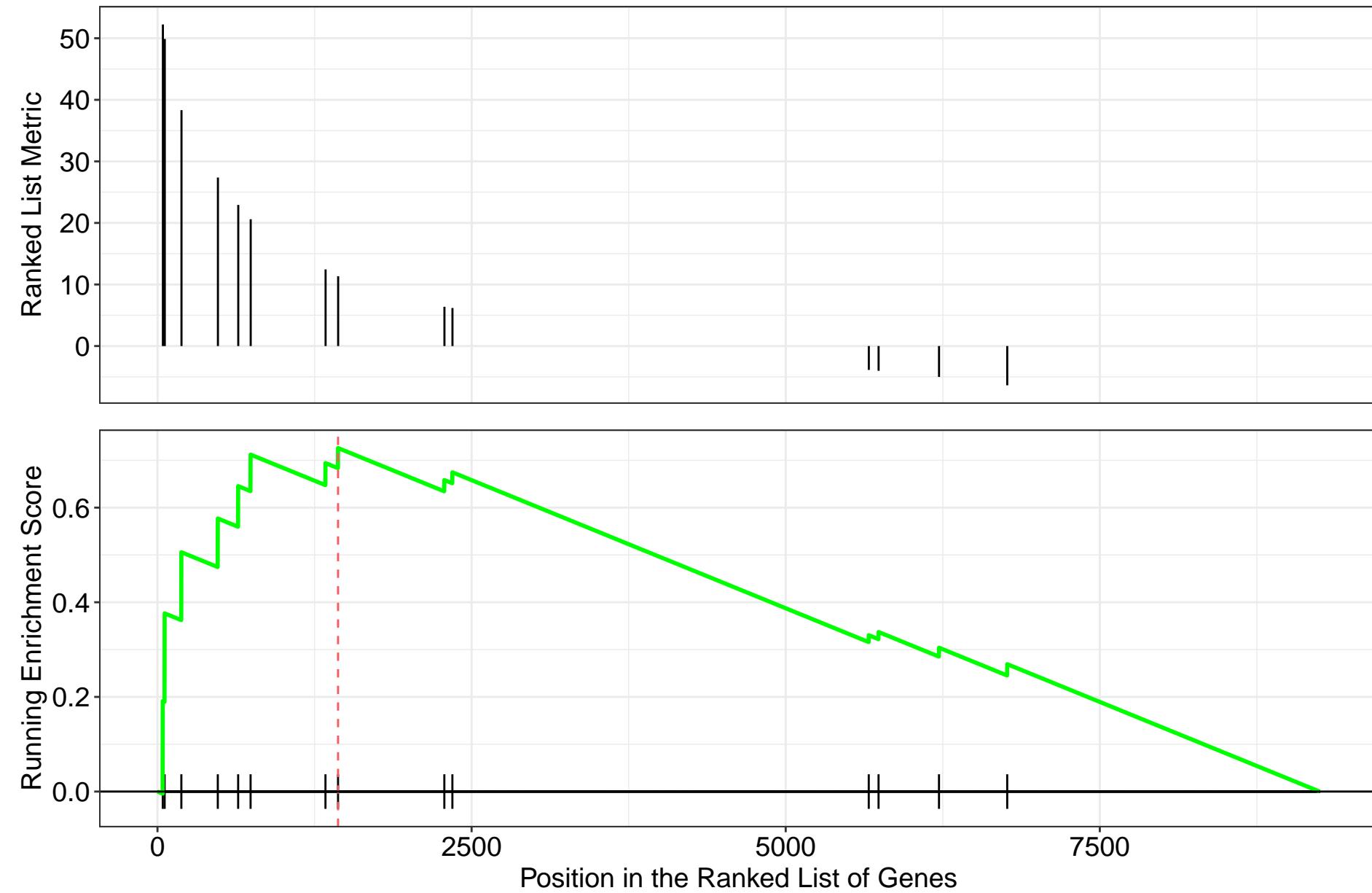
response to decreased oxygen levels



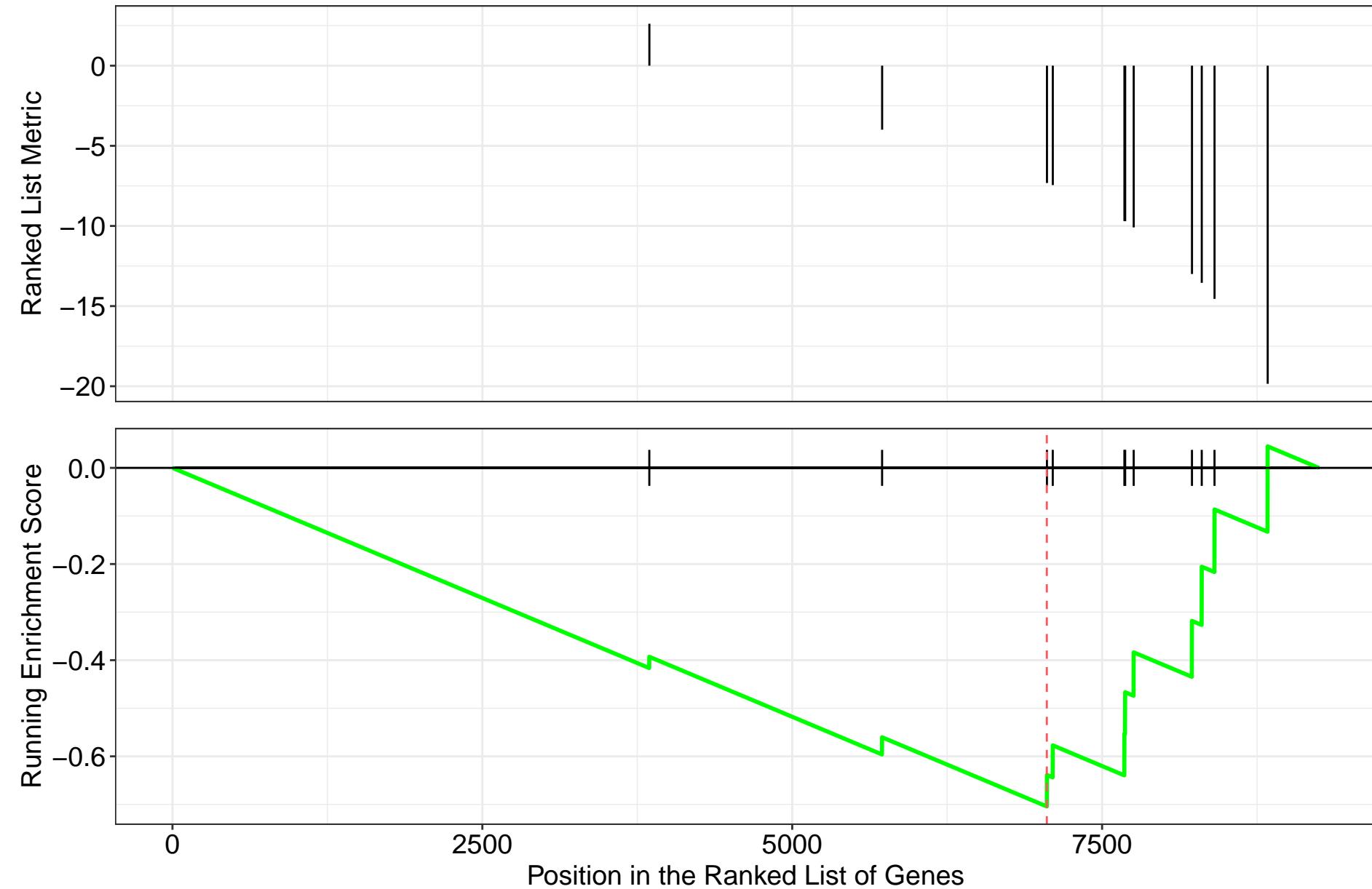
tissue homeostasis



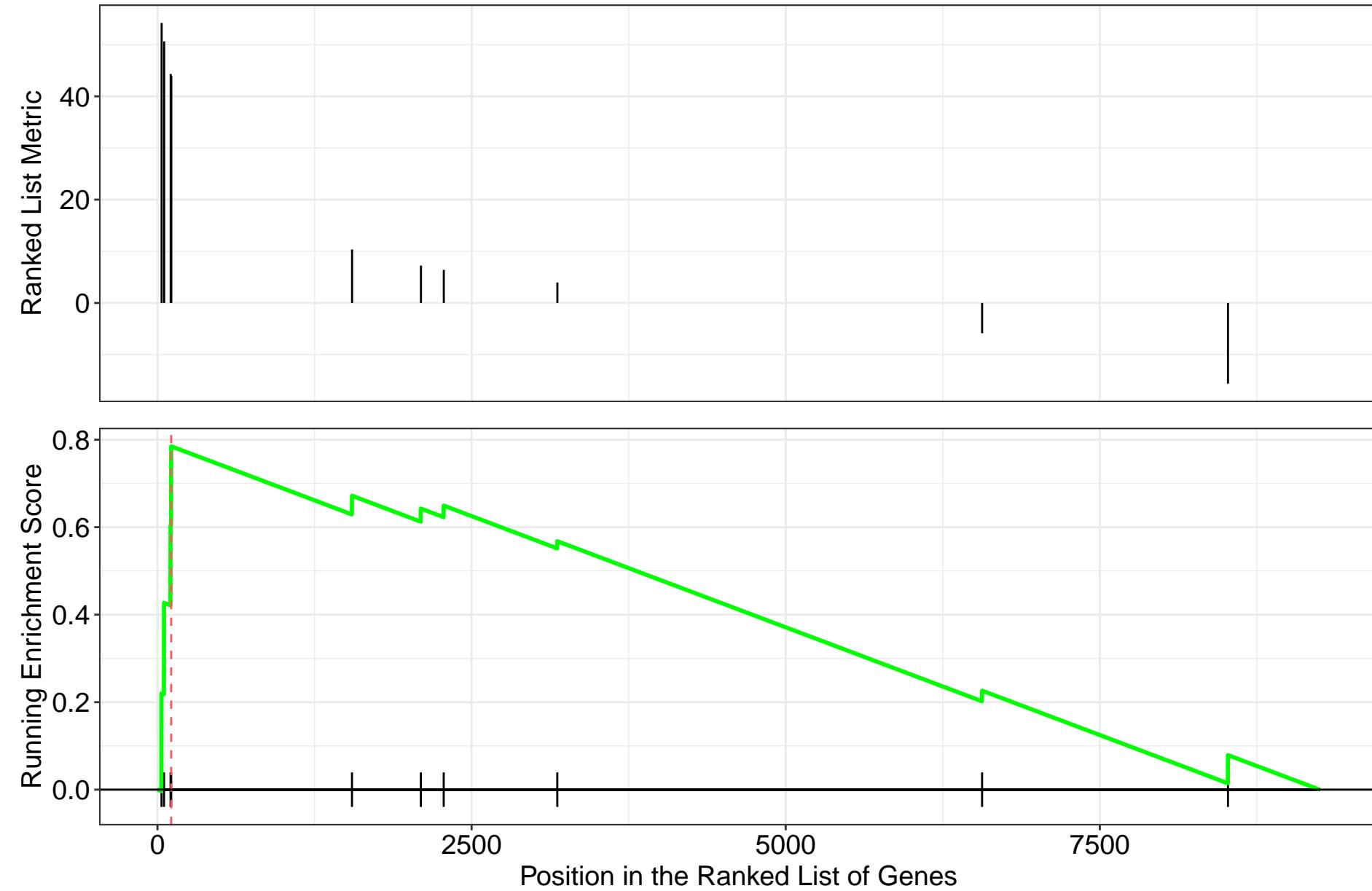
positive regulation of activated T cell proliferation



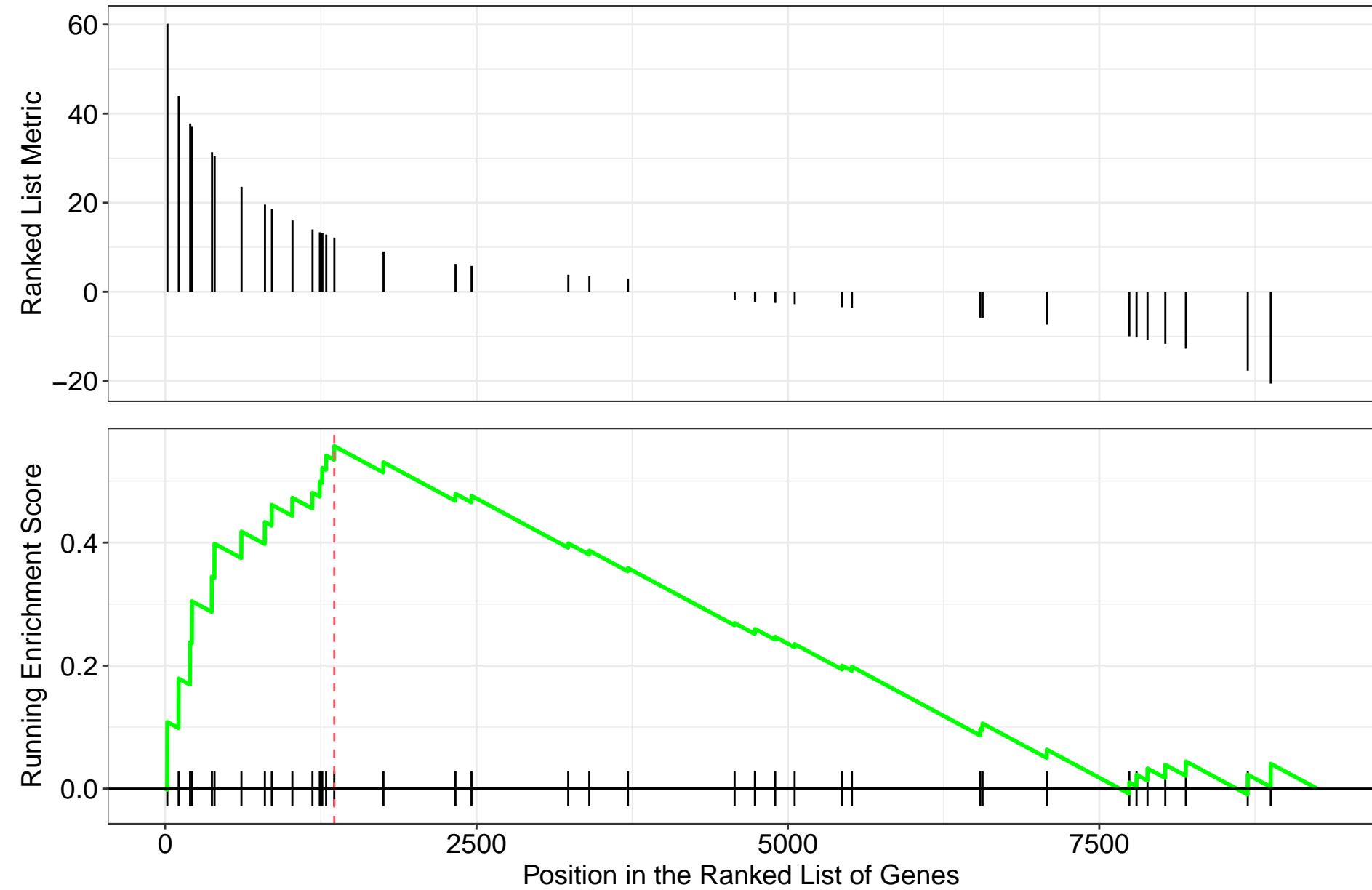
mitotic DNA replication



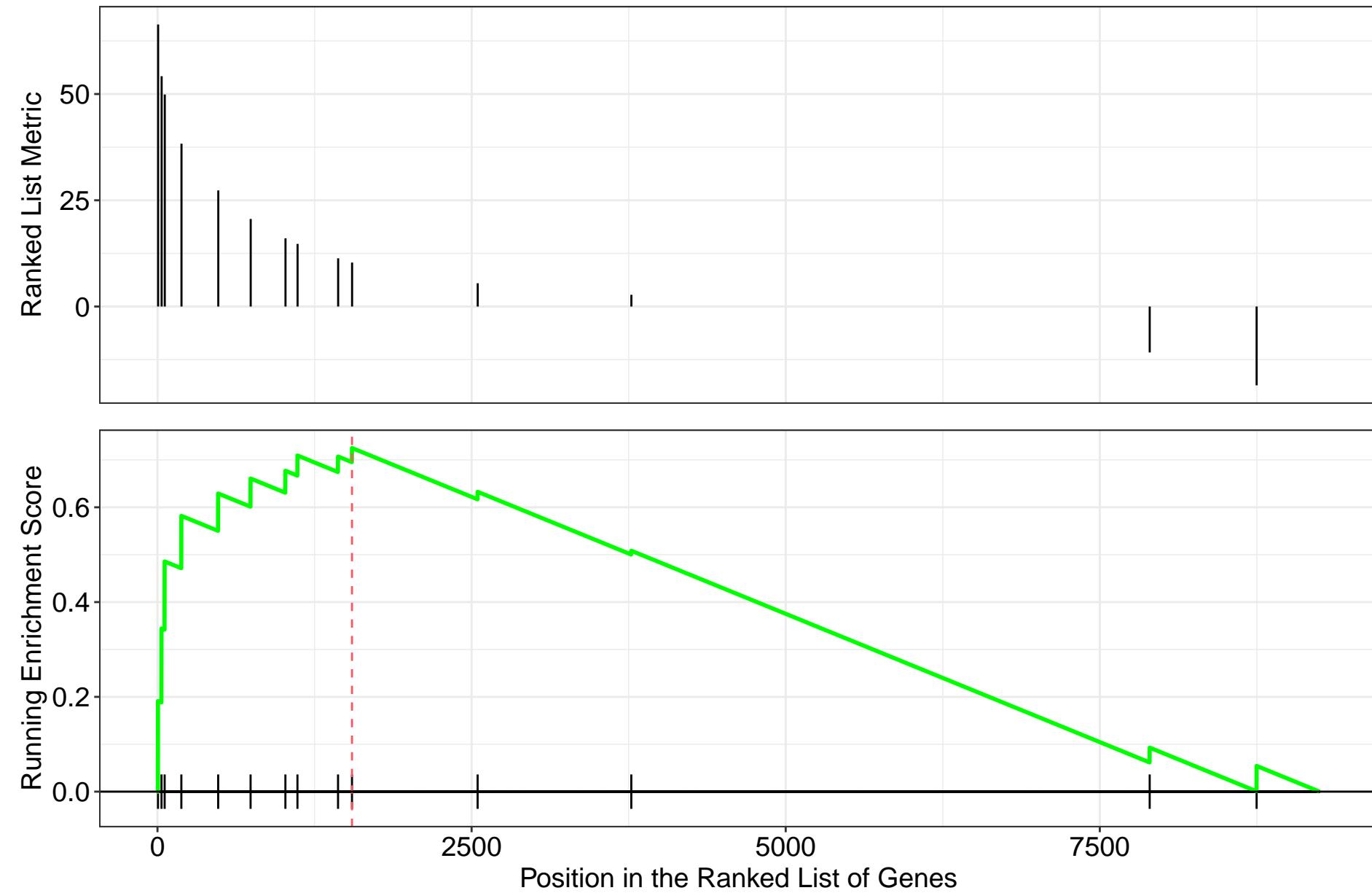
positive regulation of prostaglandin secretion



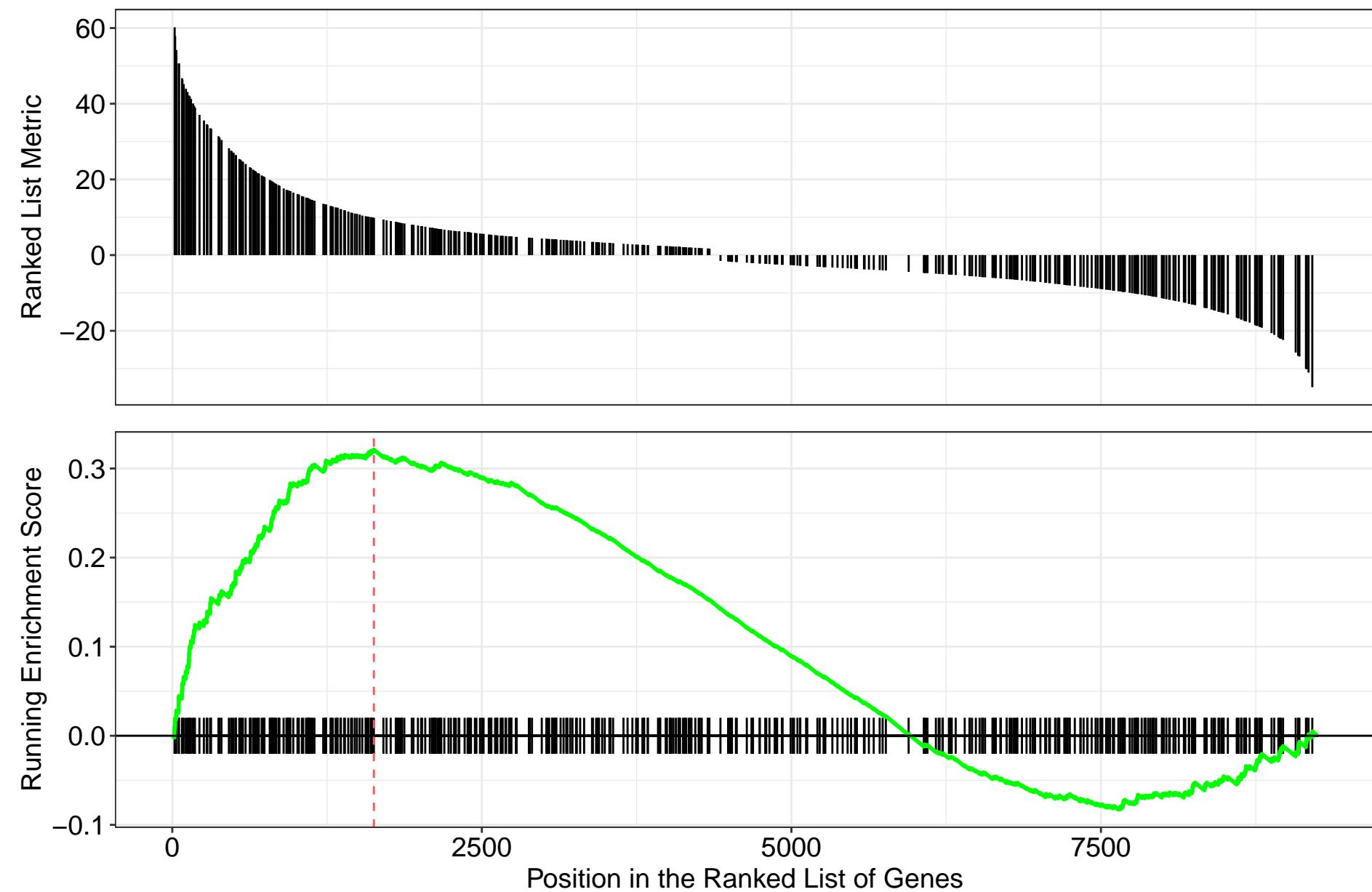
membrane depolarization



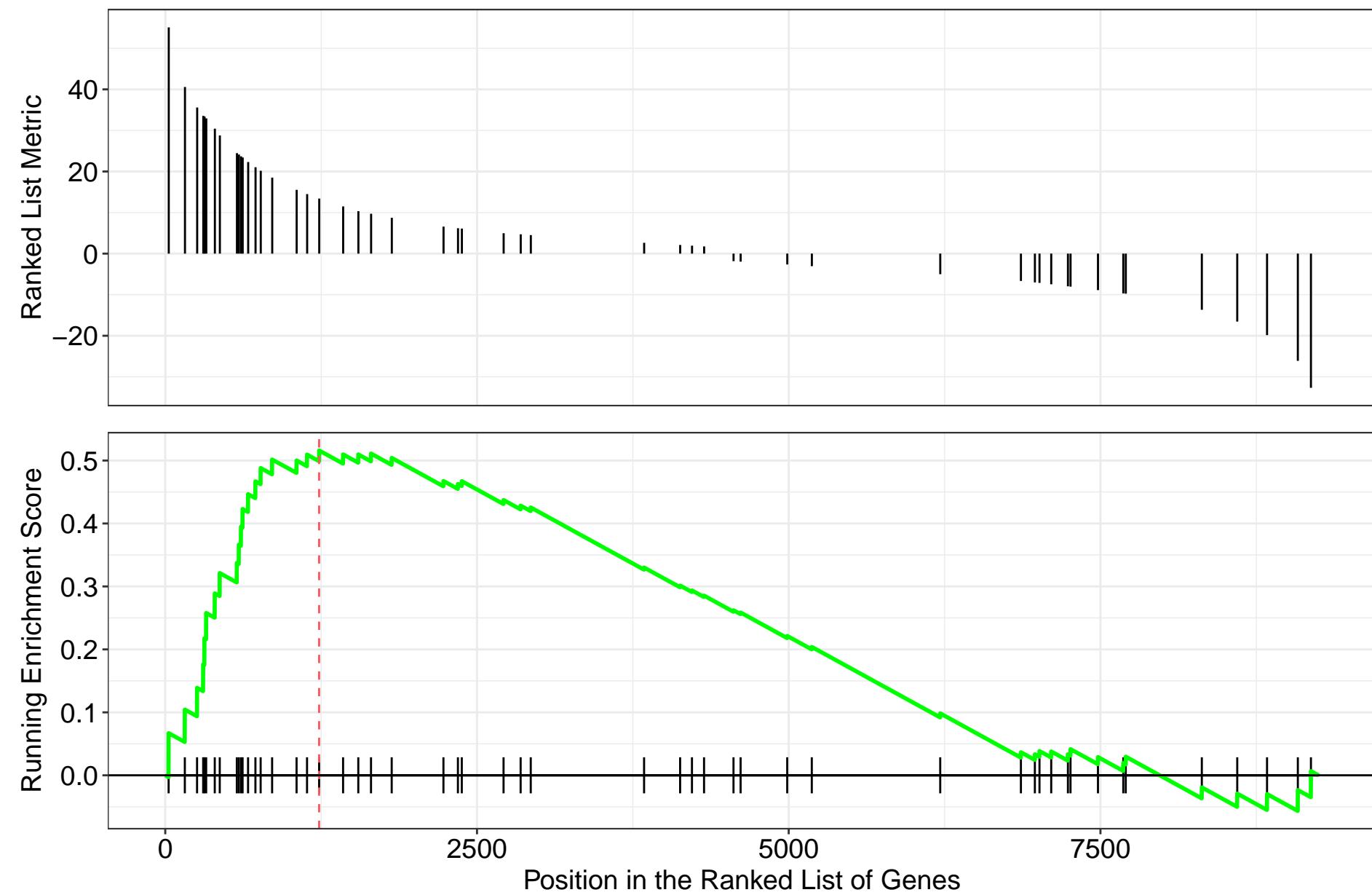
positive regulation of T-helper 1 type immune response



regulation of anatomical structure morphogenesis

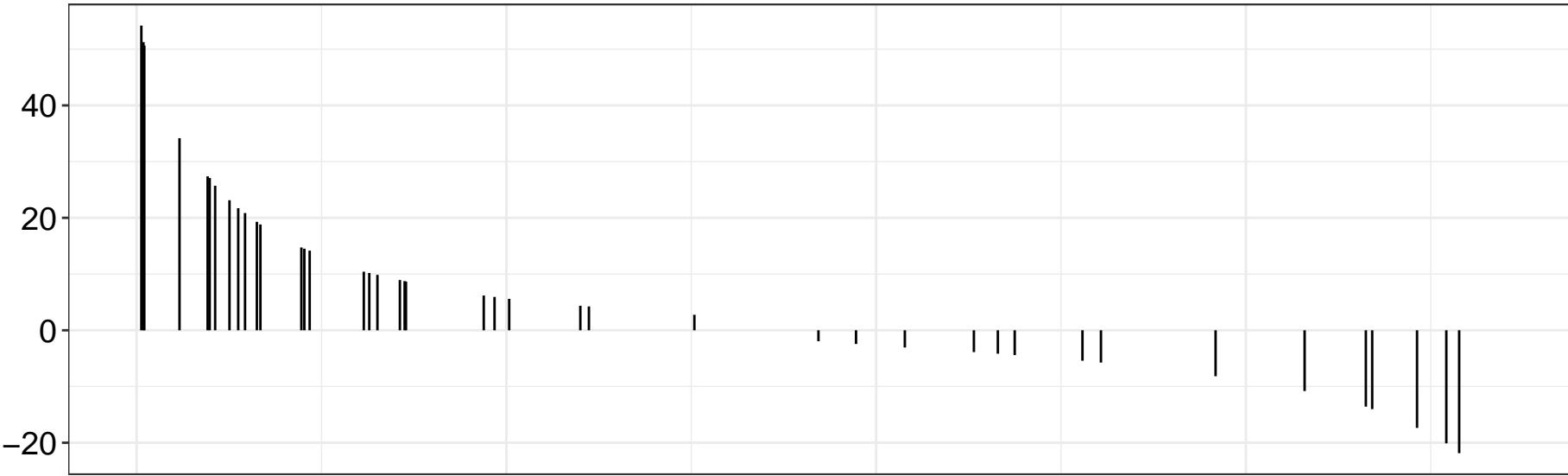


female gonad development



interleukin–2 production

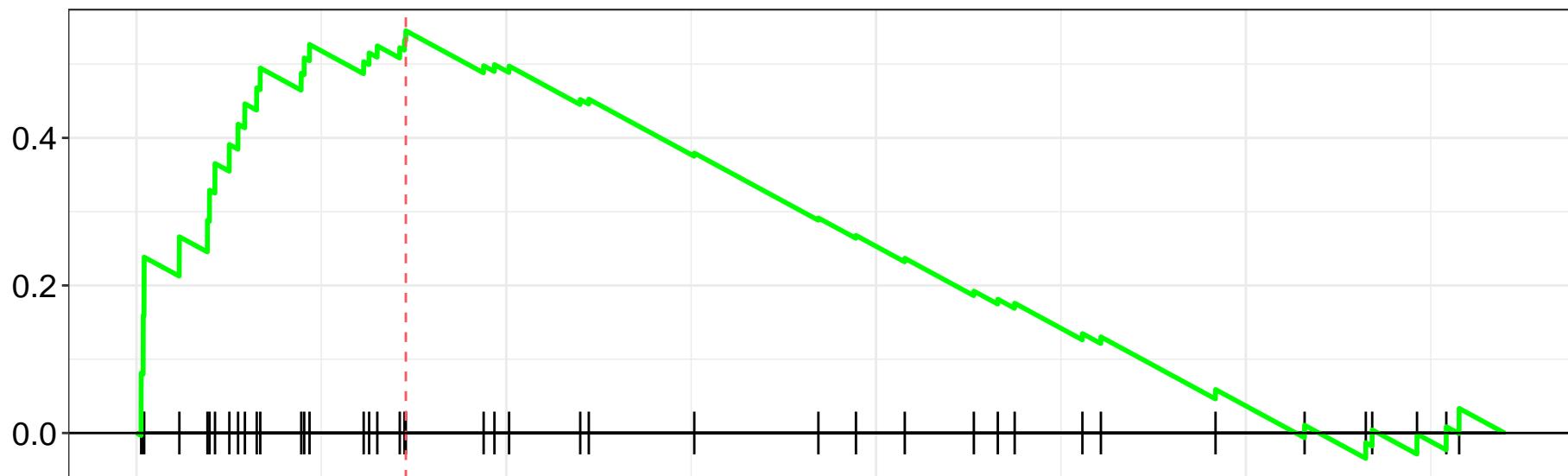
Ranked List Metric



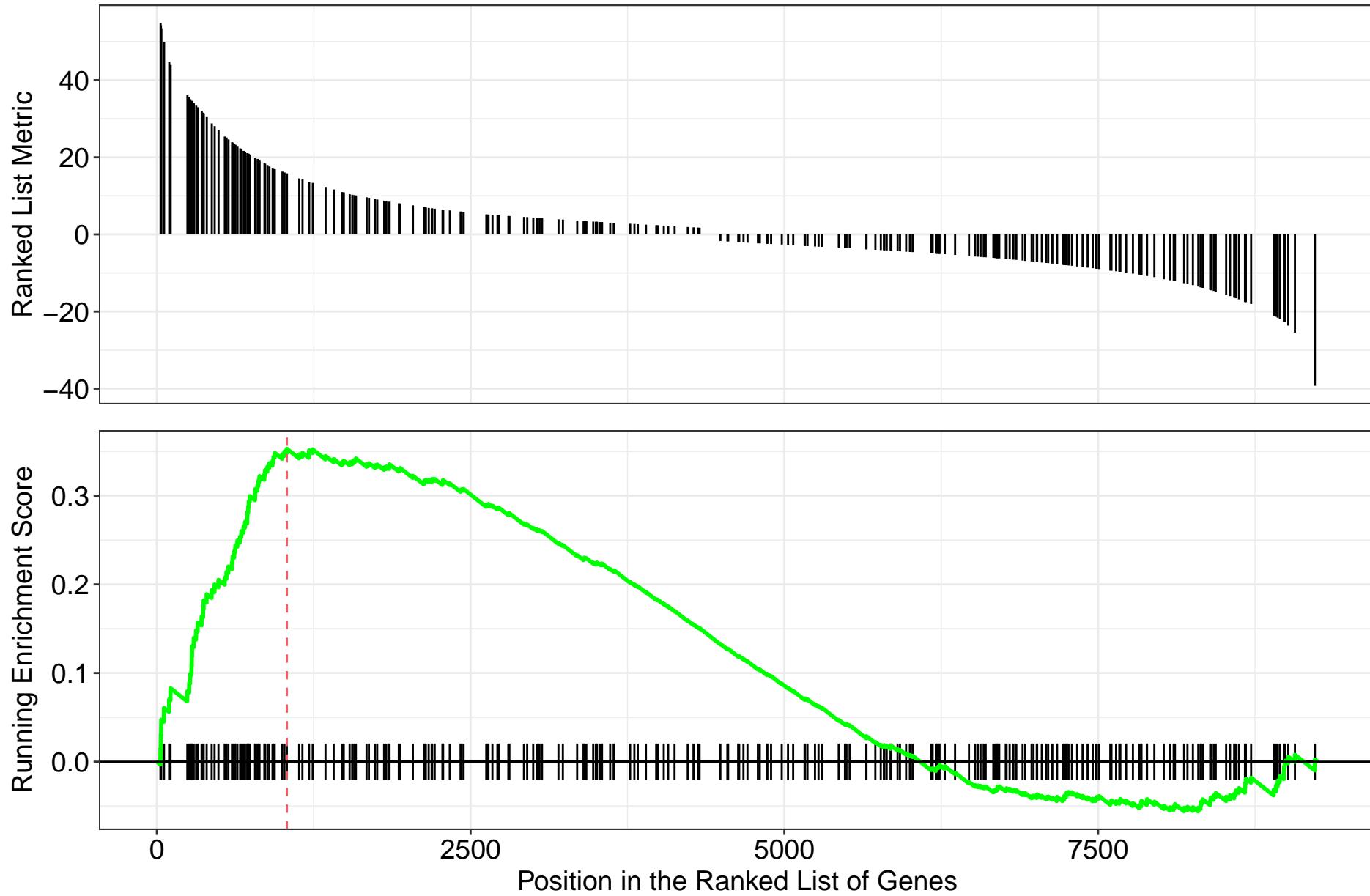
Running Enrichment Score

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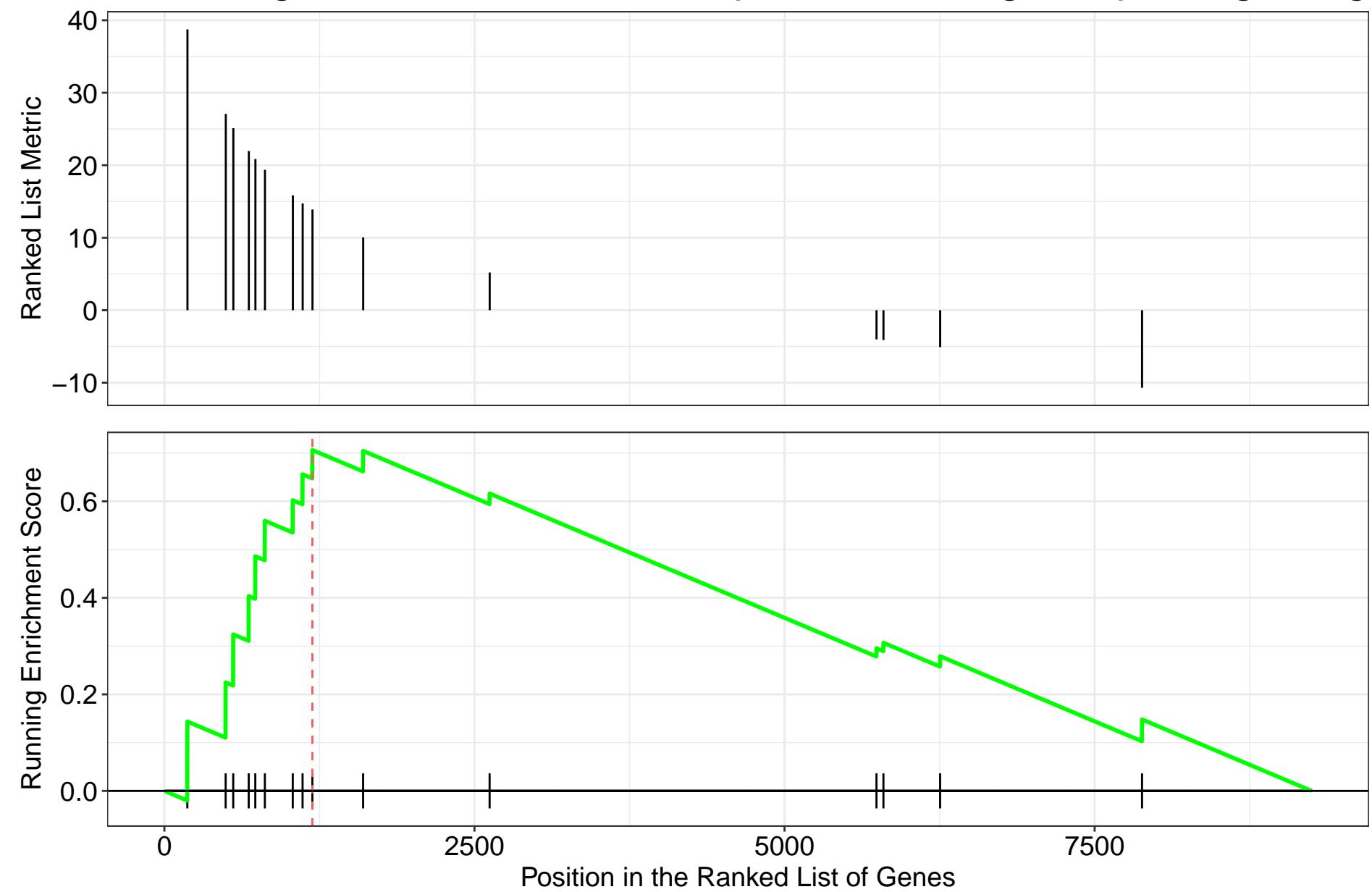
Position in the Ranked List of Genes



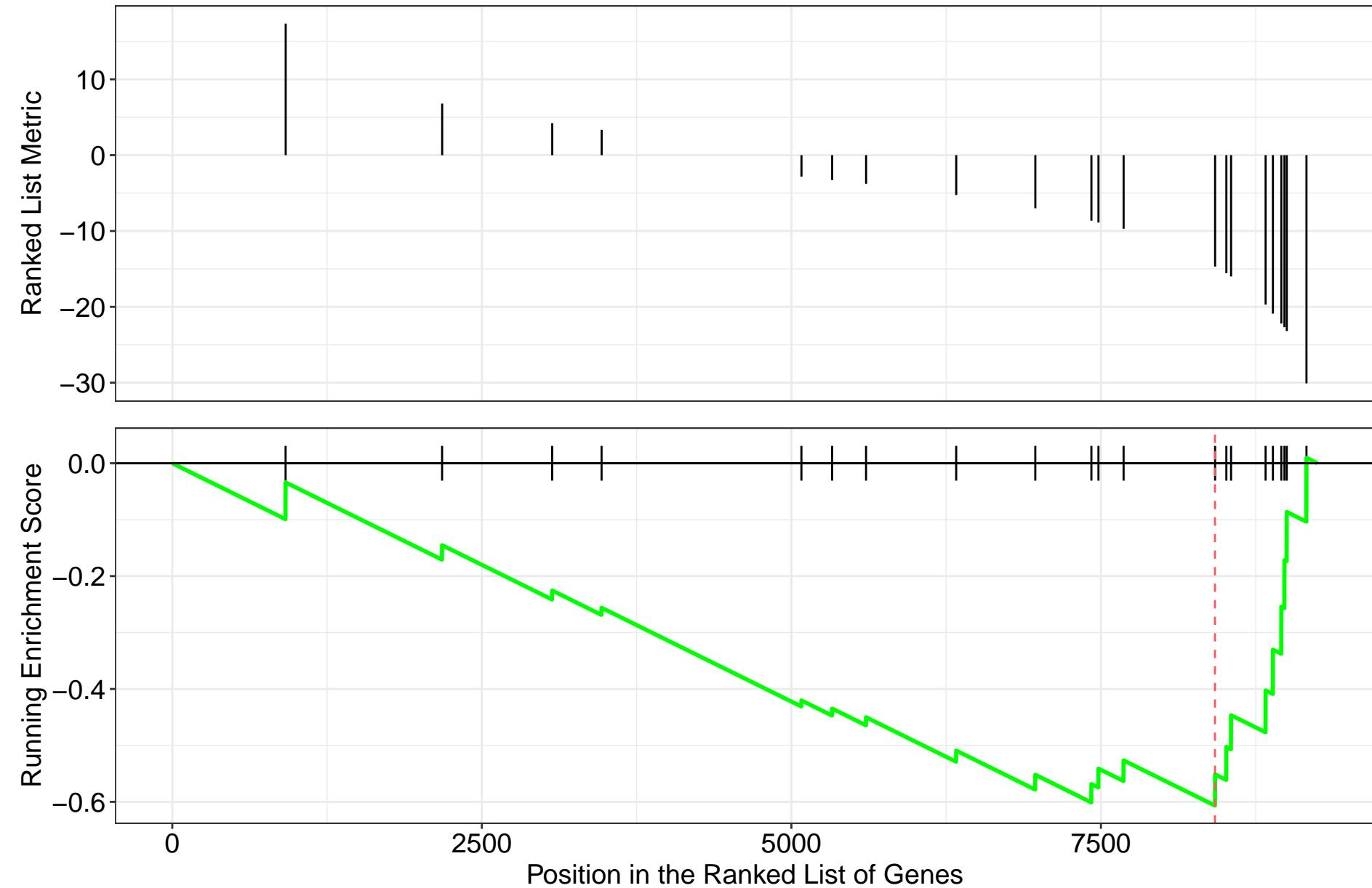
positive regulation of transferase activity



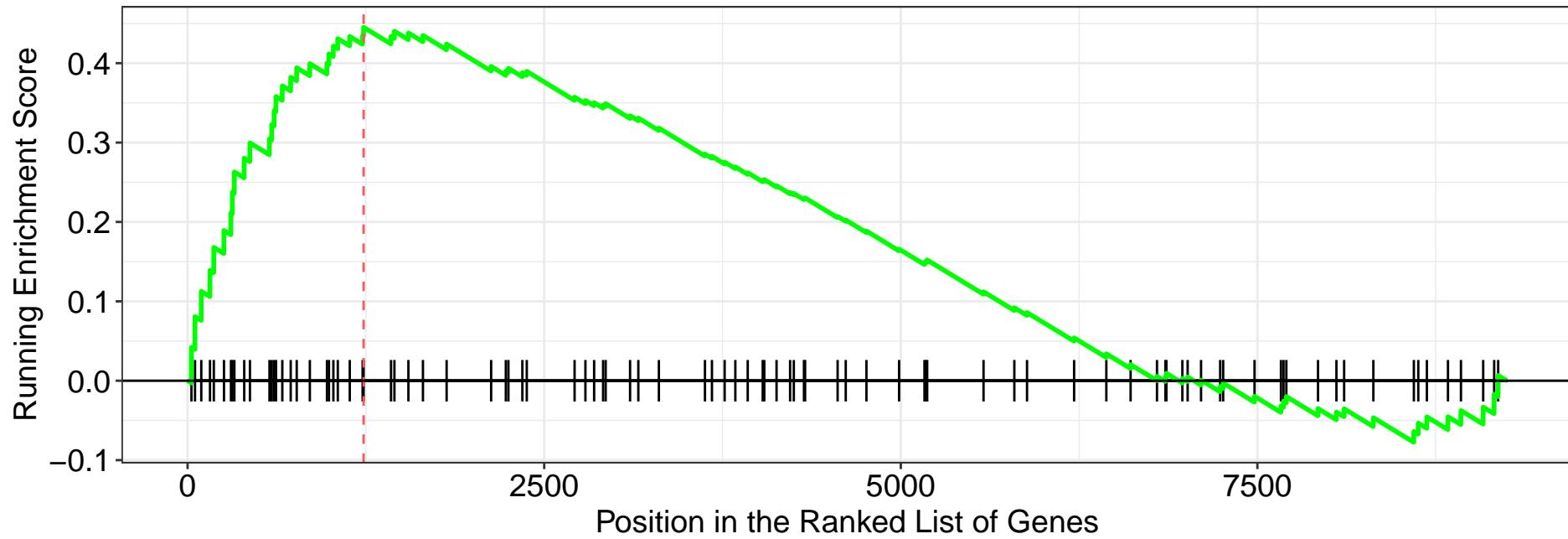
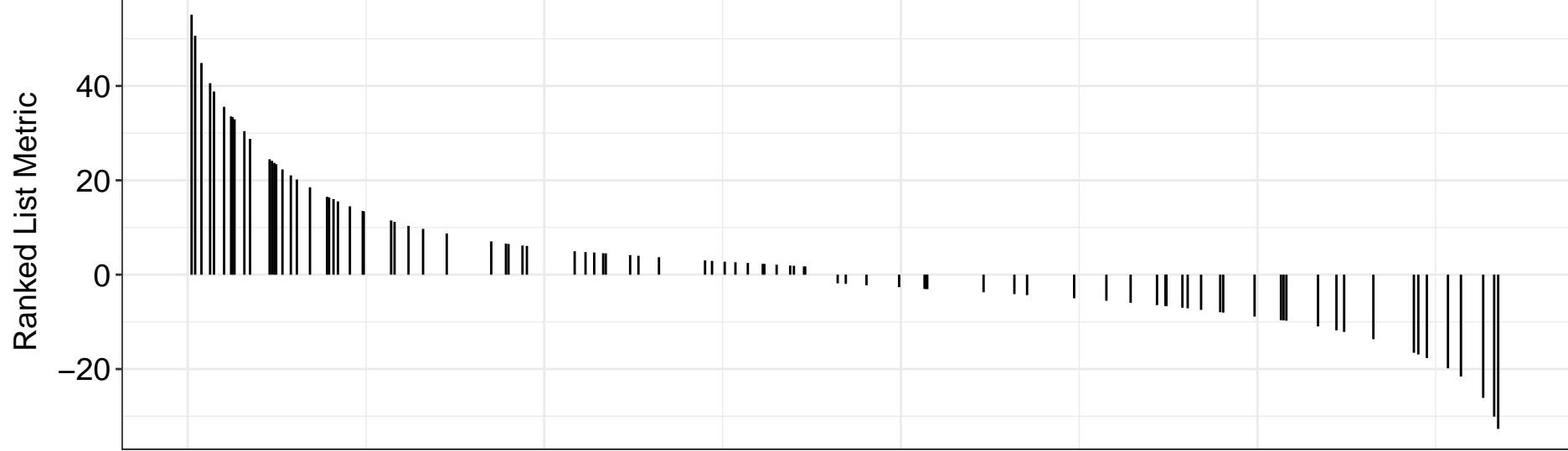
Cleotide-binding domain, leucine rich repeat containing receptor signaling



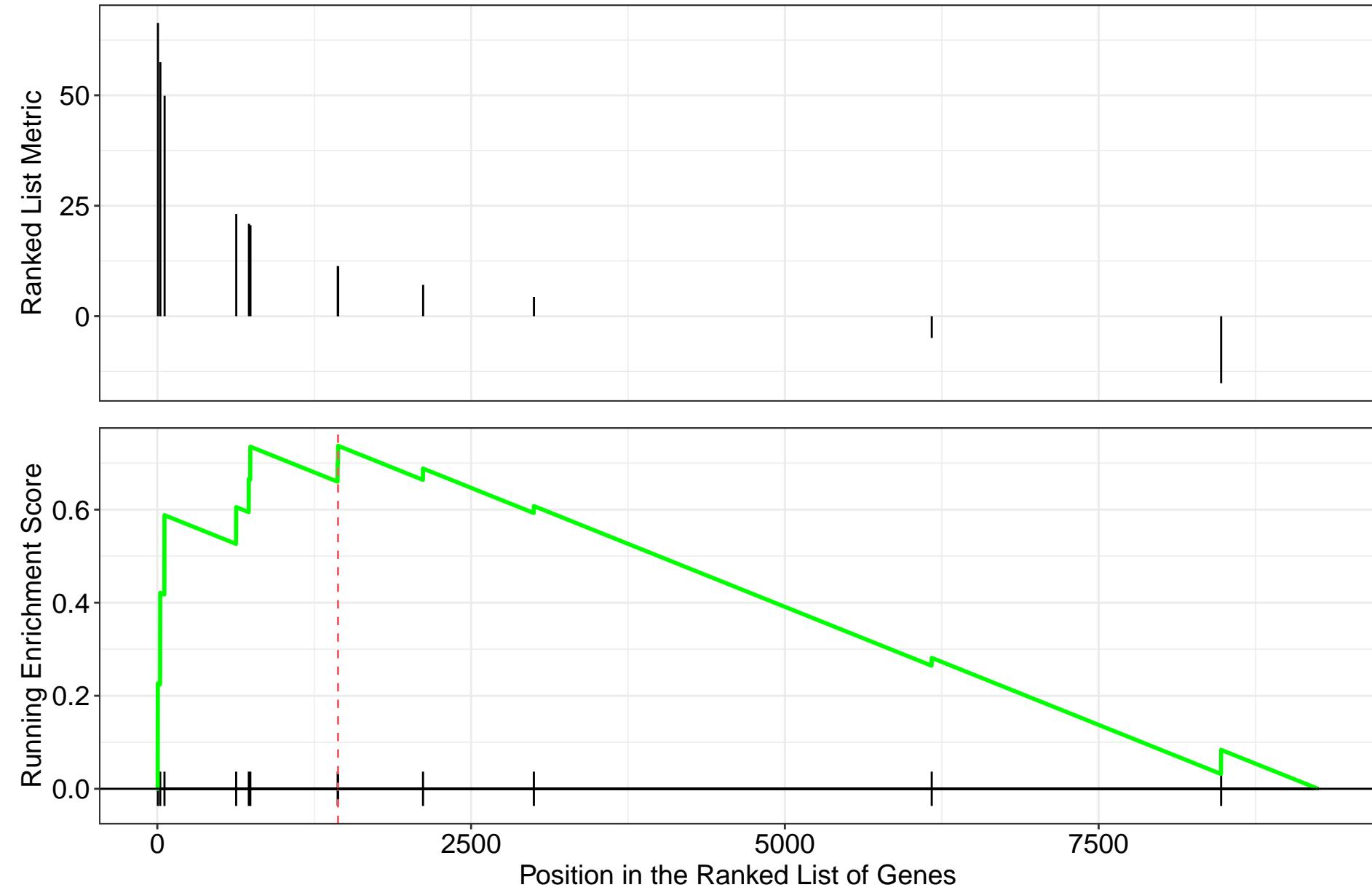
regulation of meiotic cell cycle



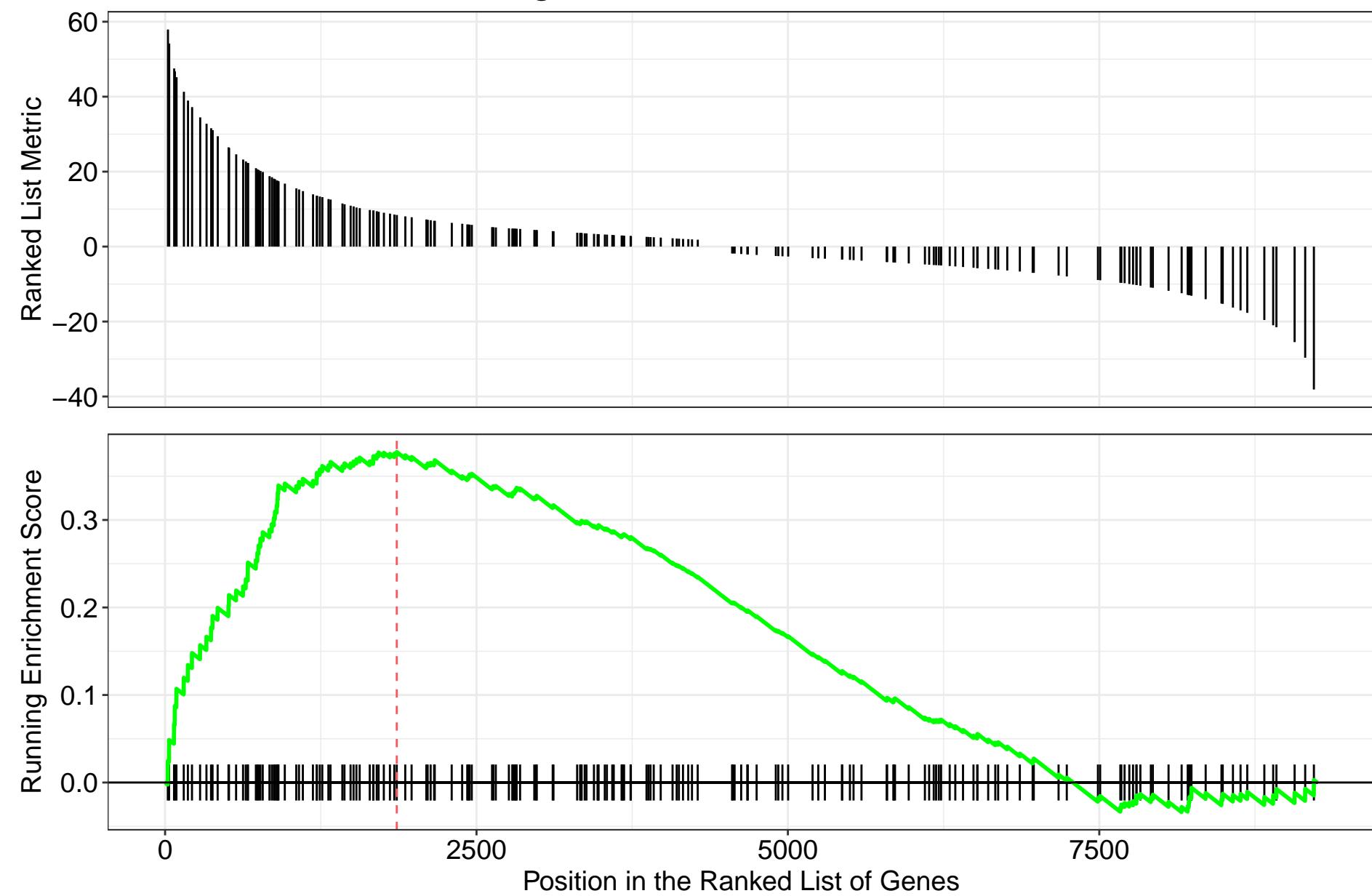
development of primary sexual characteristics



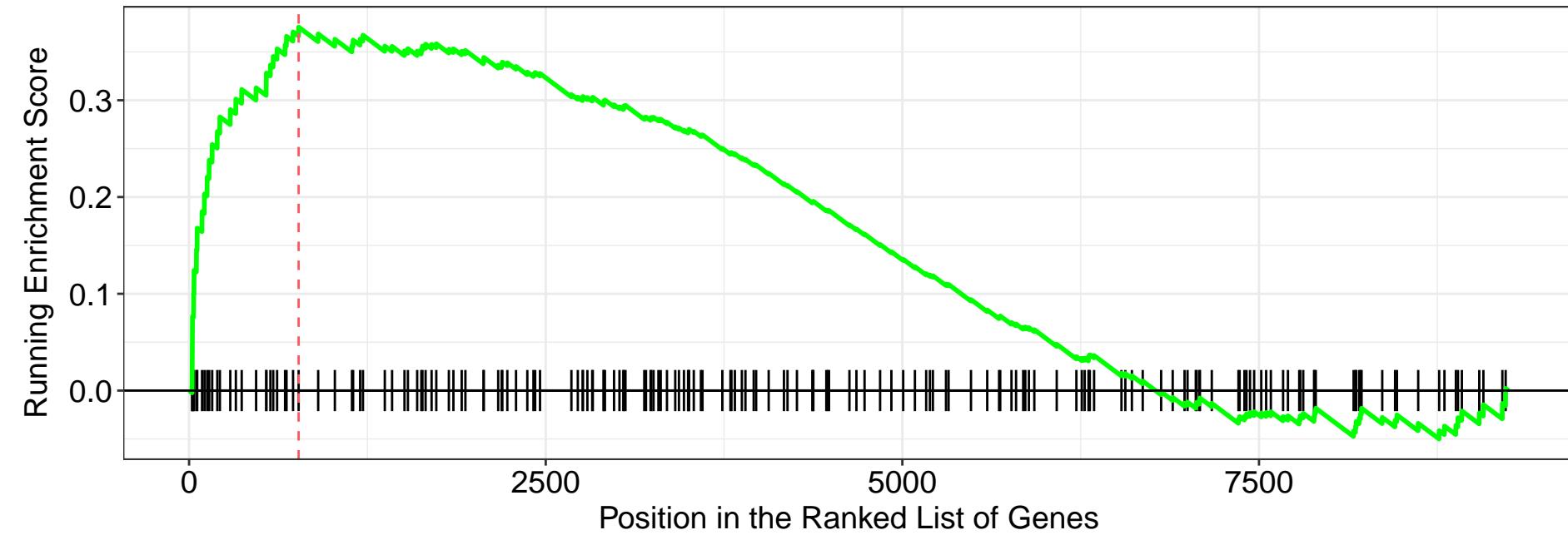
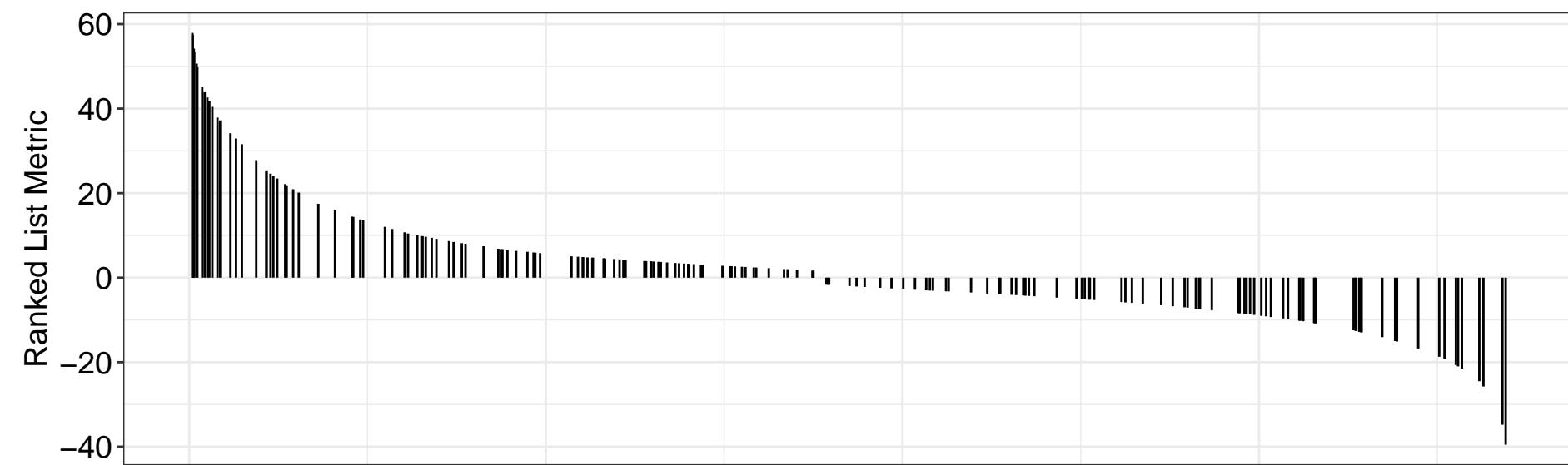
positive regulation of NK T cell activation



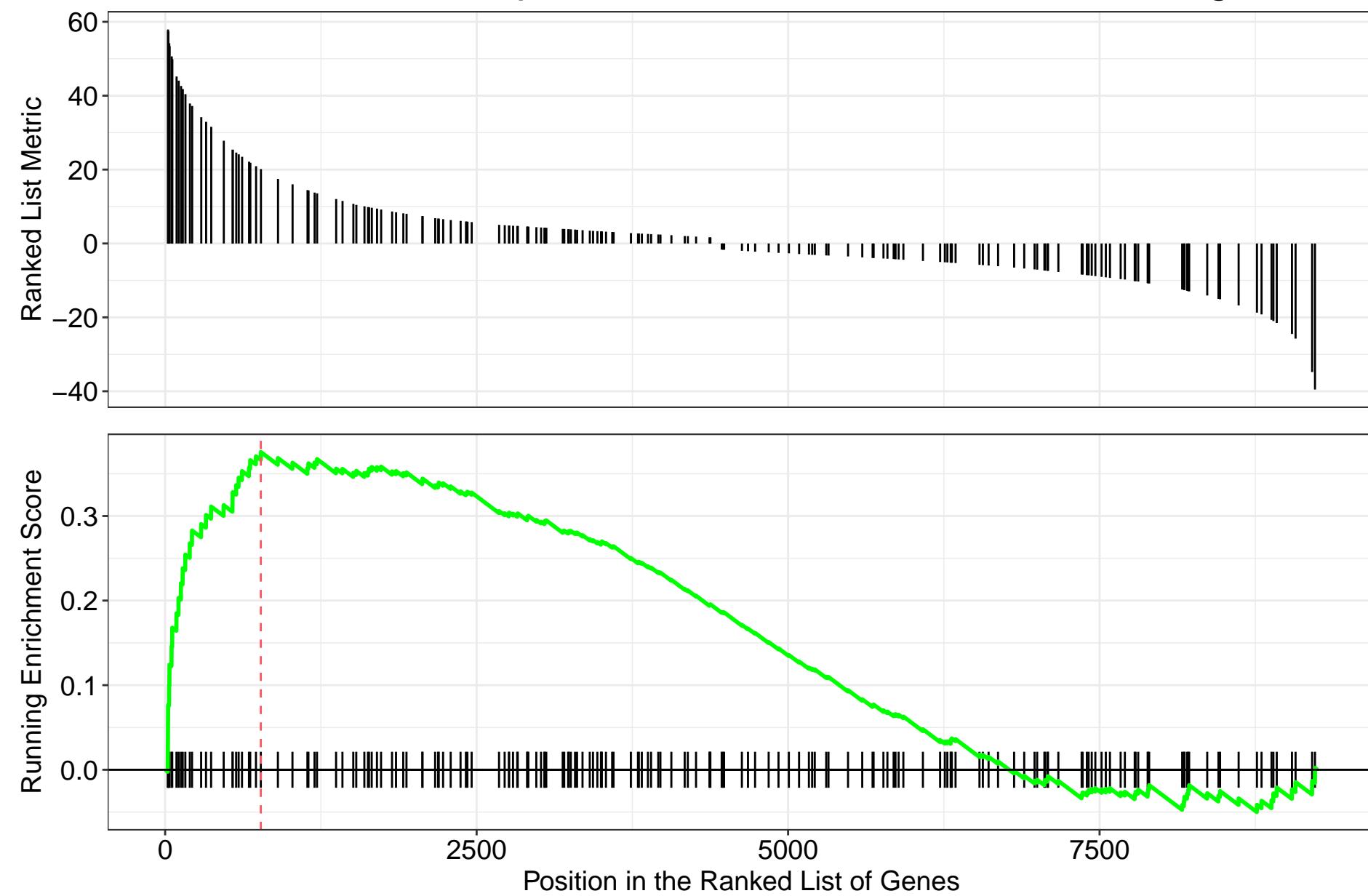
regulation of neuron death



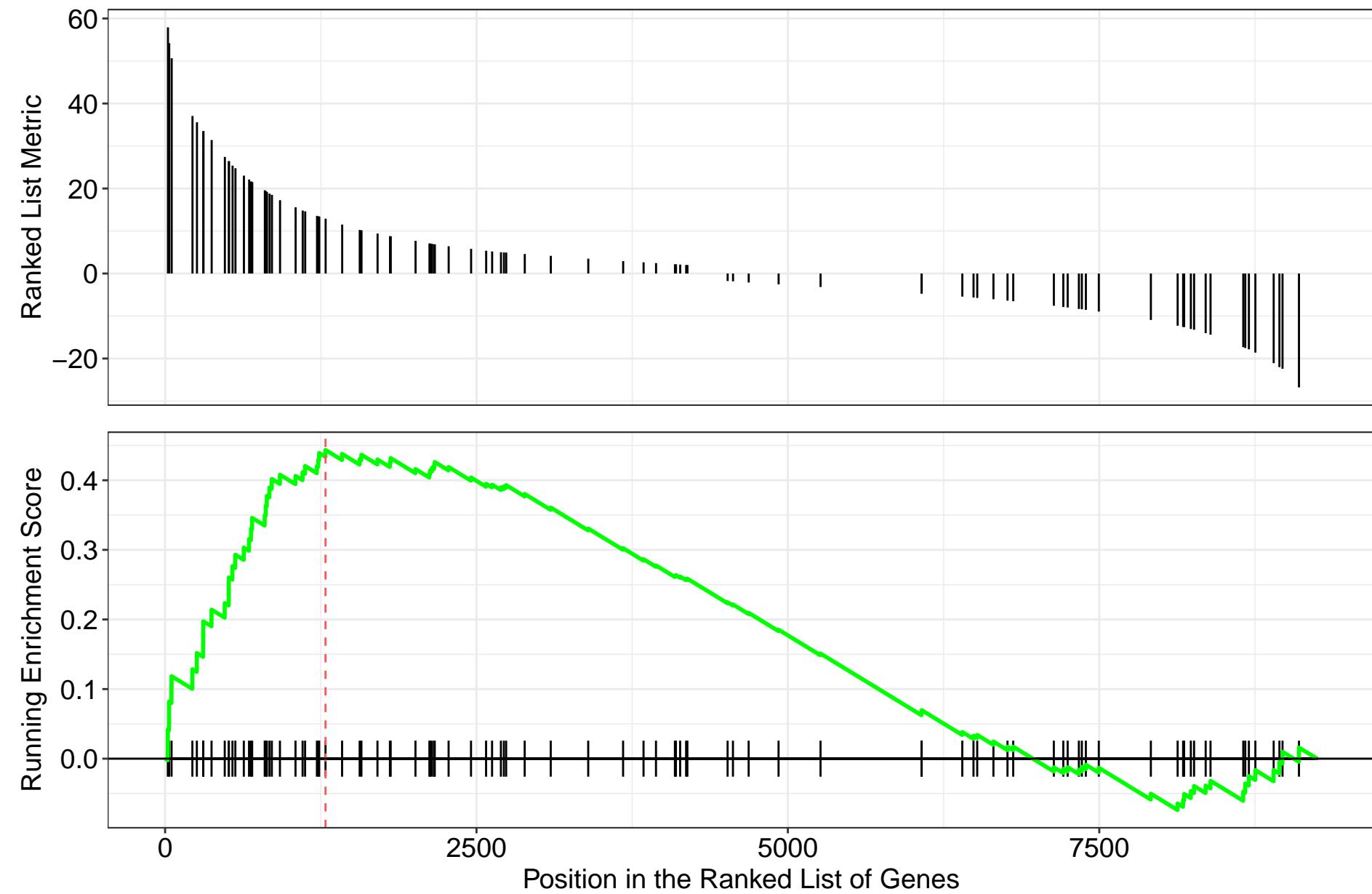
protein secretion



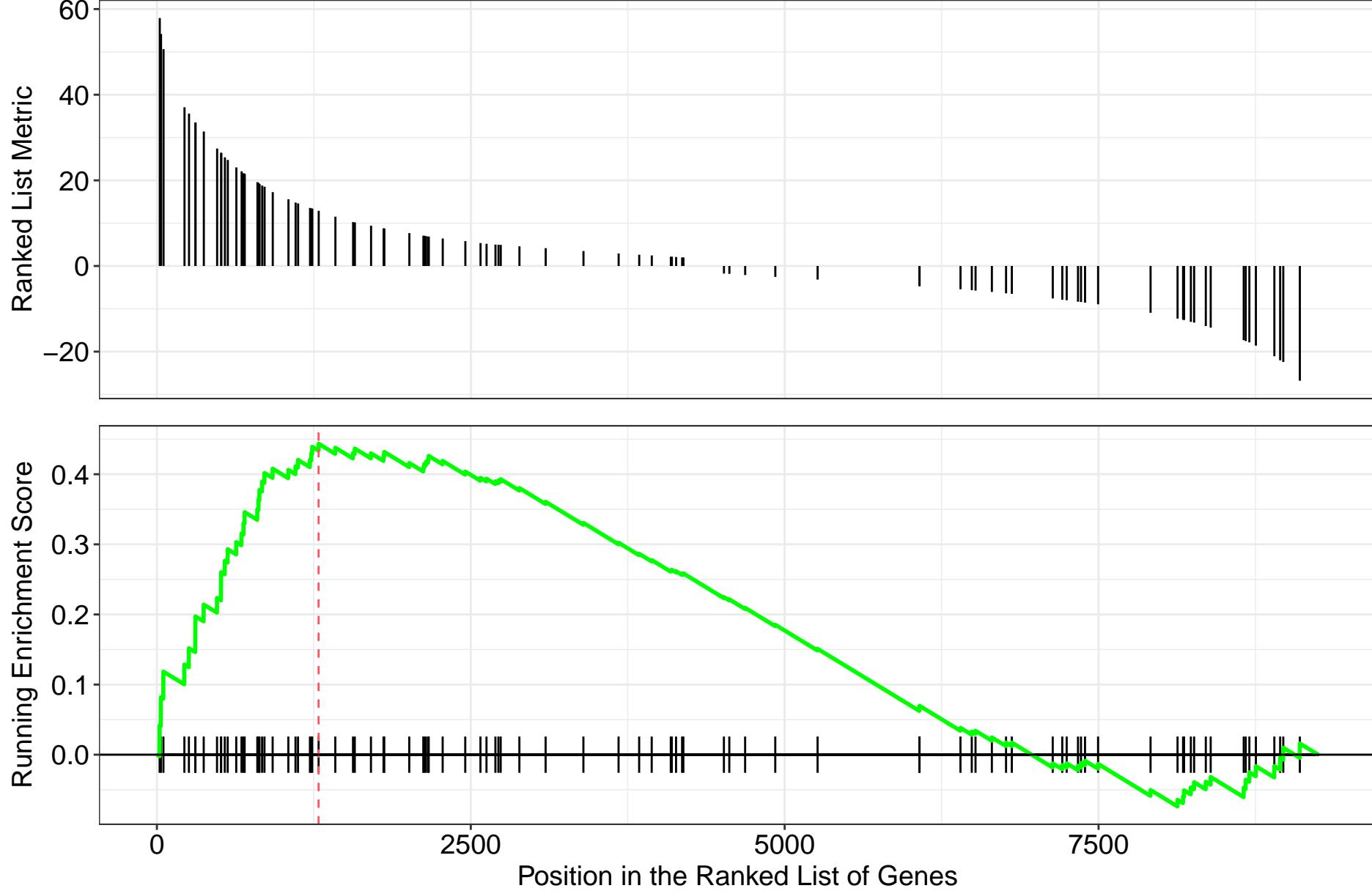
establishment of protein localization to extracellular region



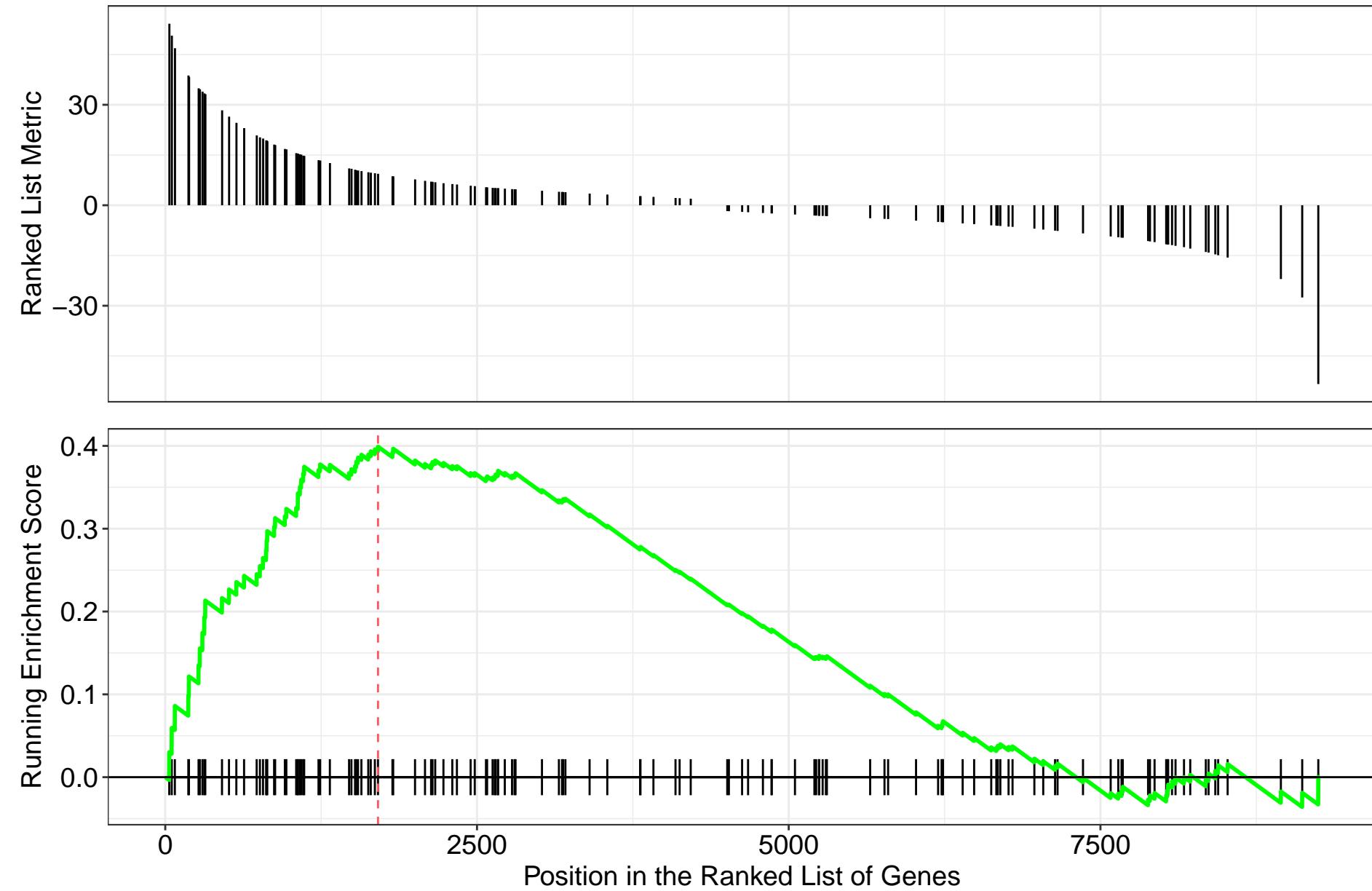
positive regulation of angiogenesis



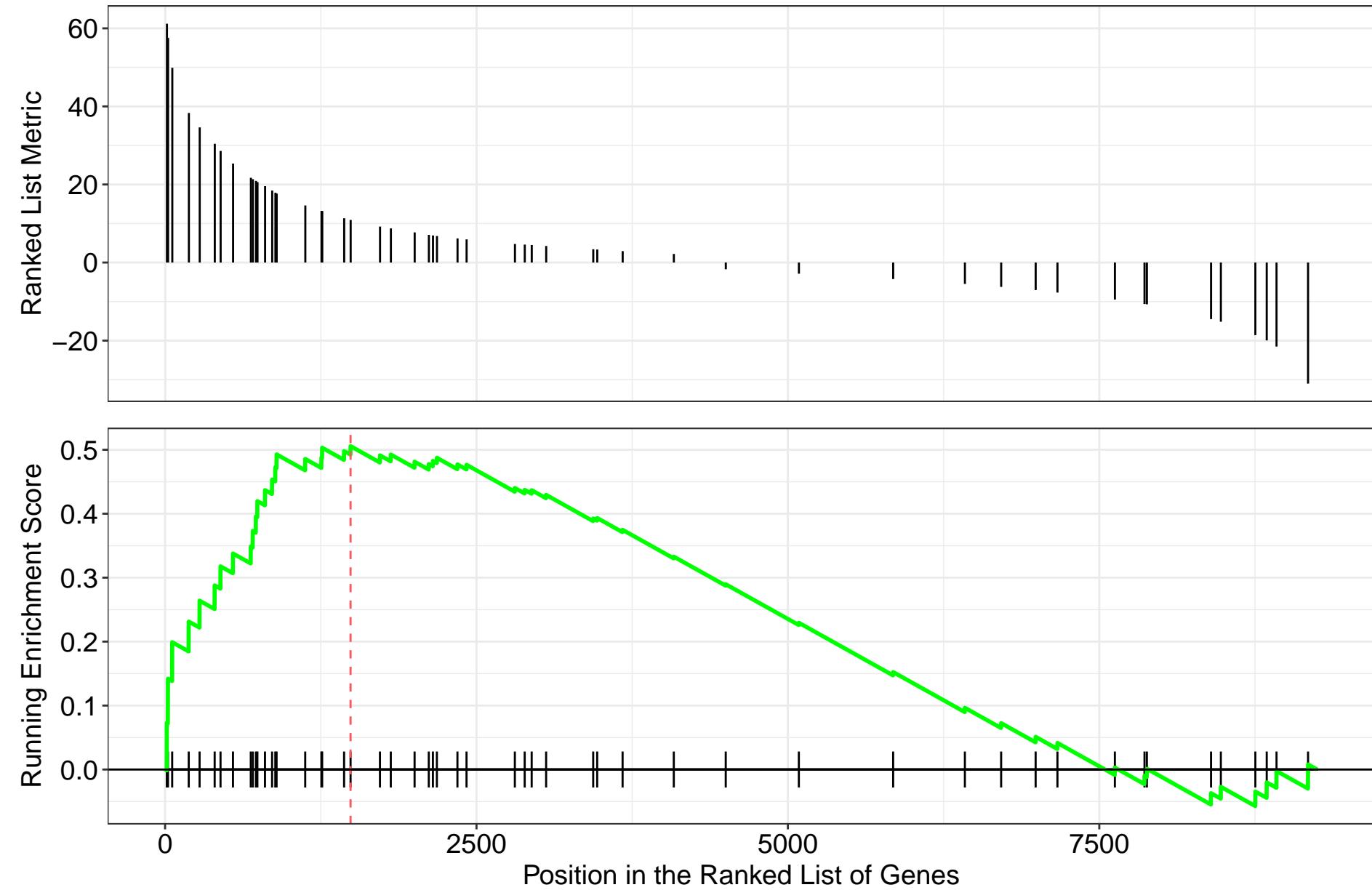
positive regulation of vasculature development



stress-activated MAPK cascade

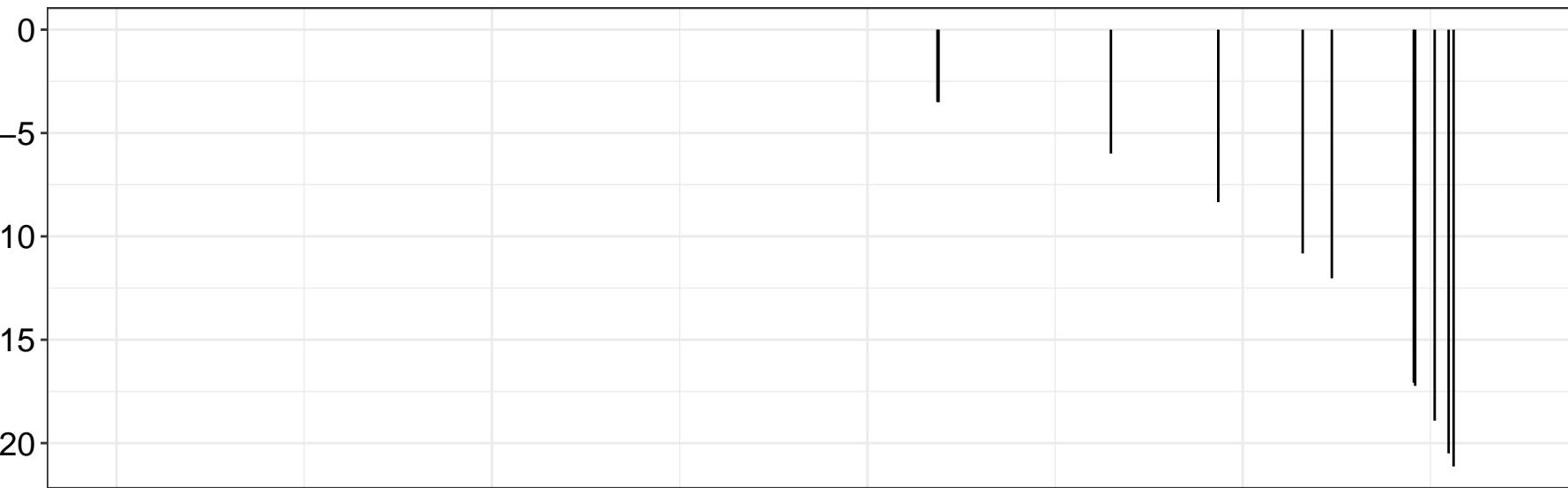


natural killer cell activation



mitotic chromosome condensation

Ranked List Metric



Running Enrichment Score

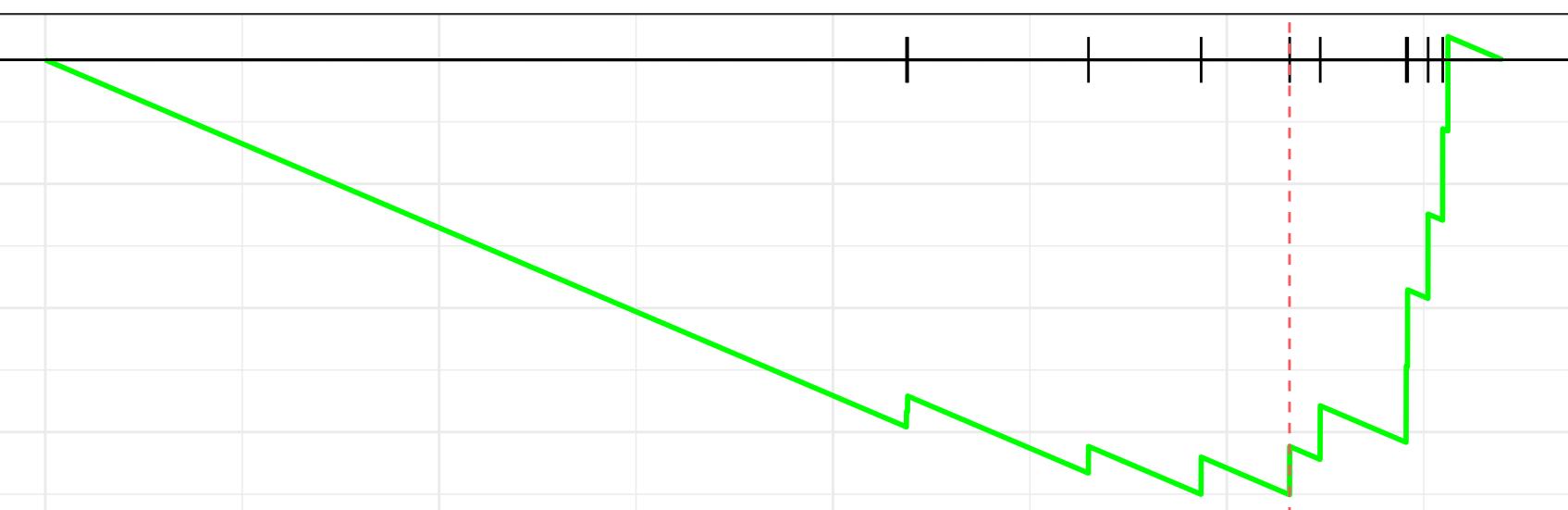
0

2500

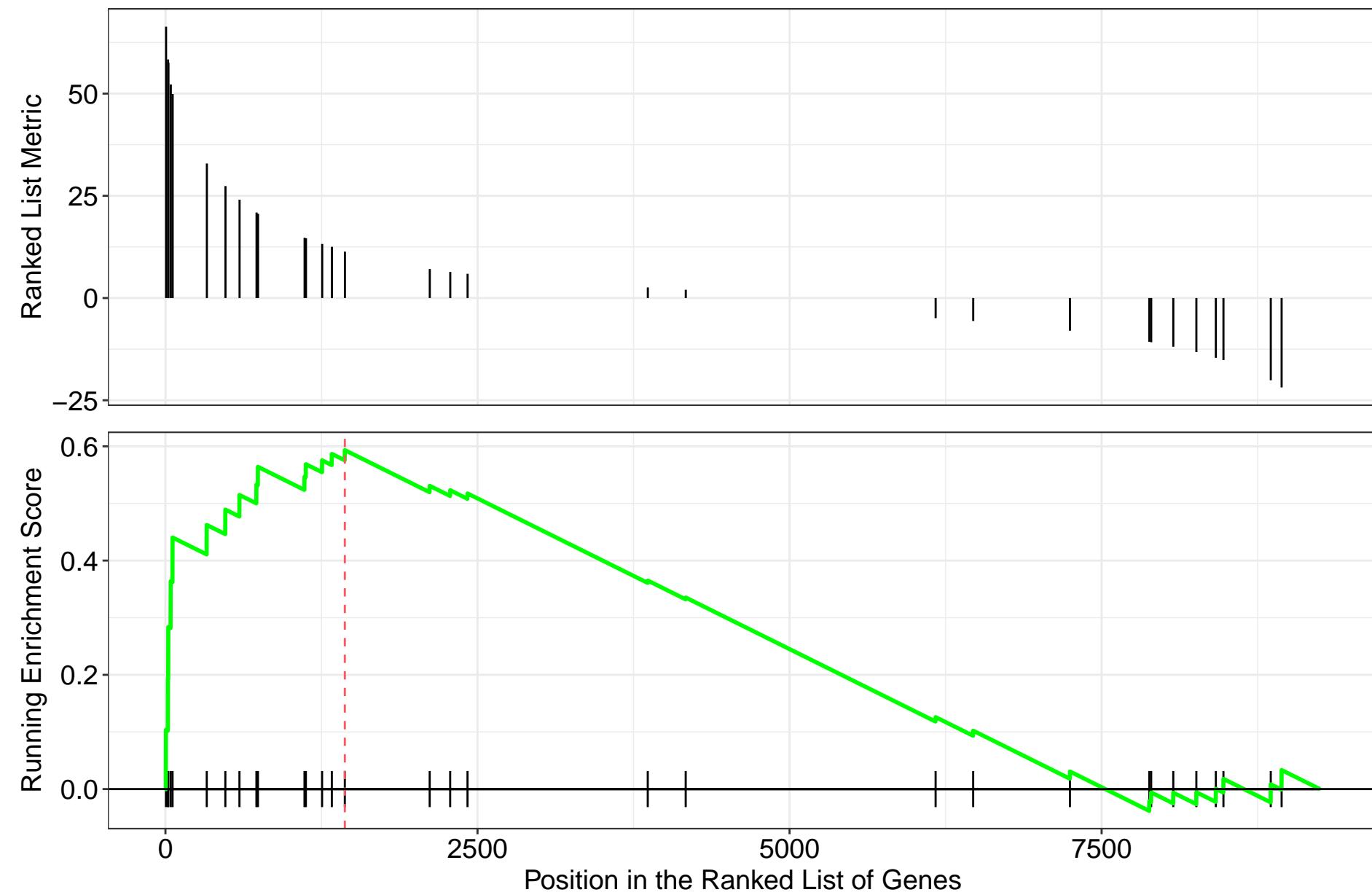
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7500

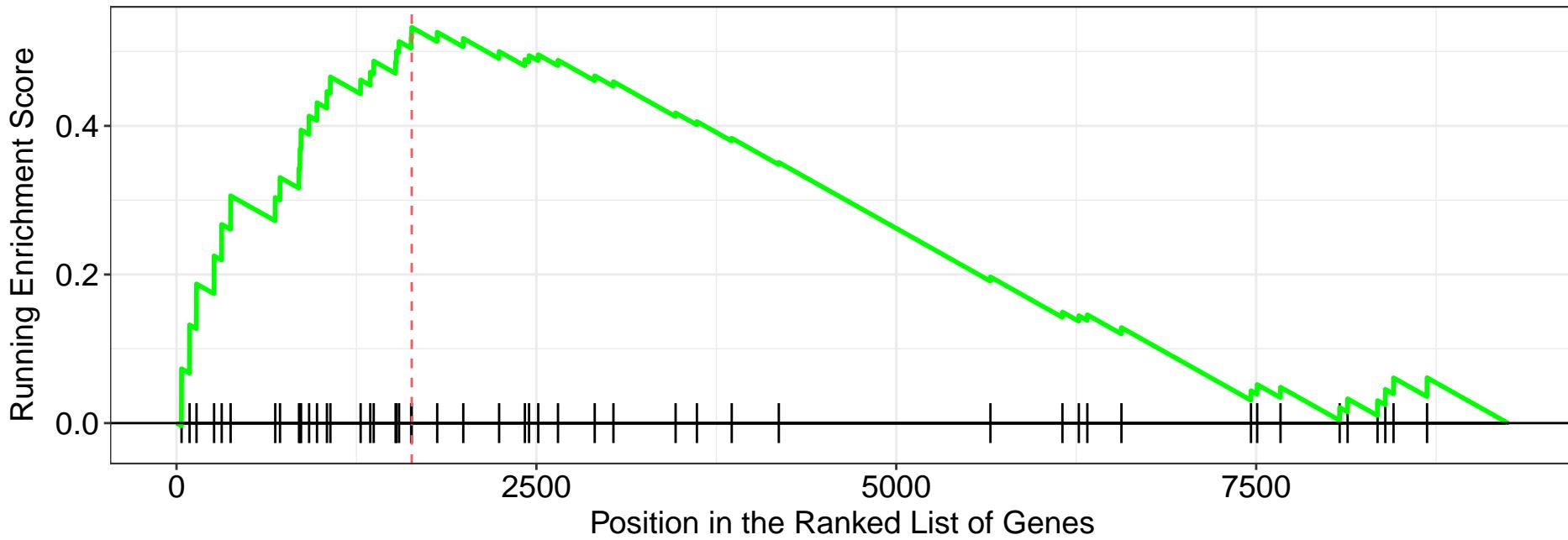
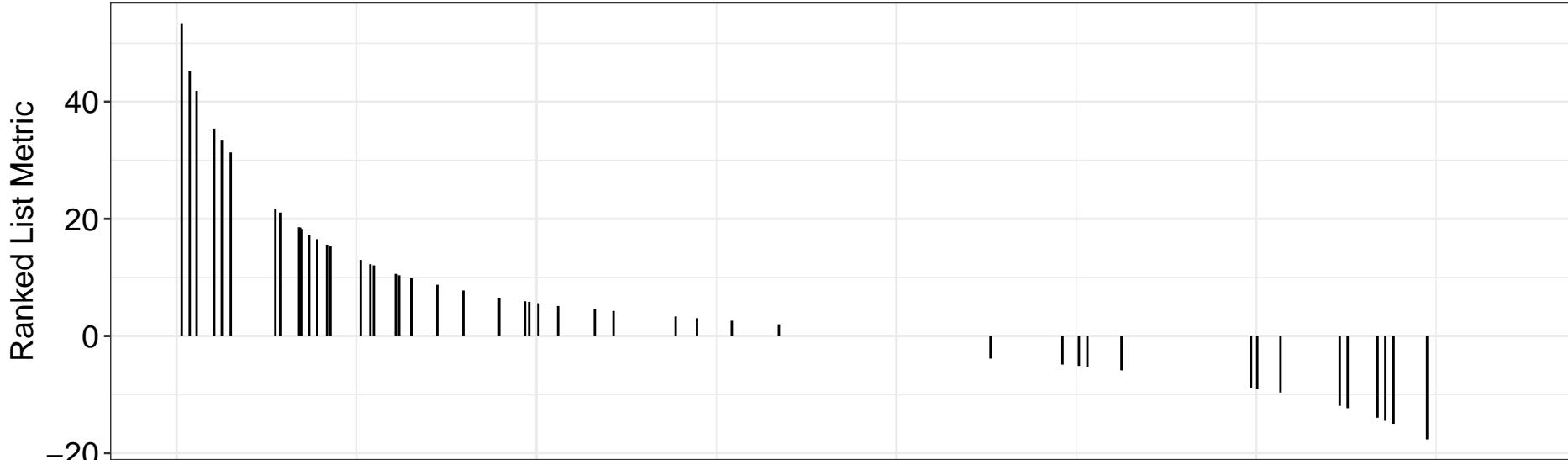
Position in the Ranked List of Genes



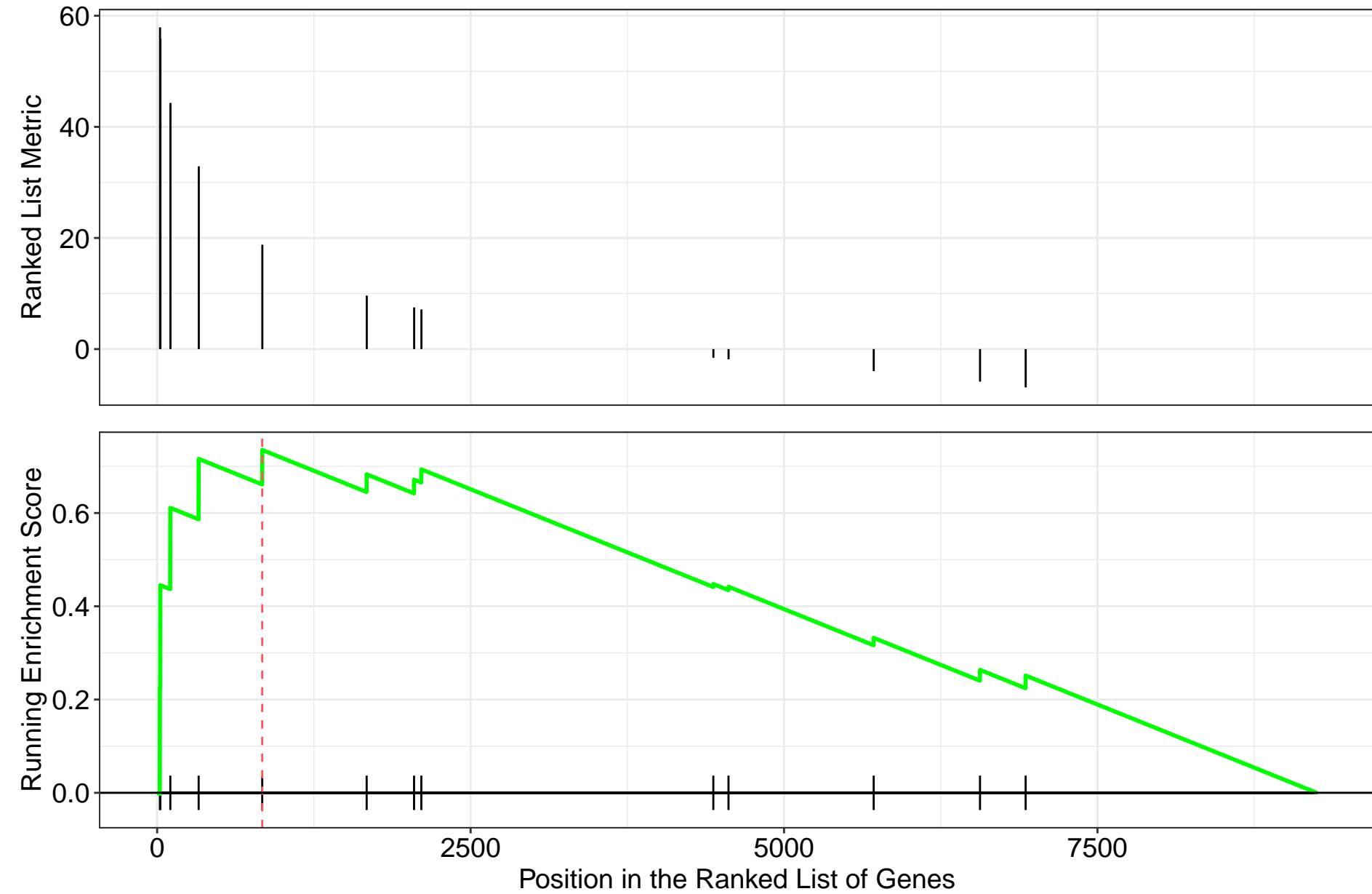
regulation of alpha–beta T cell proliferation



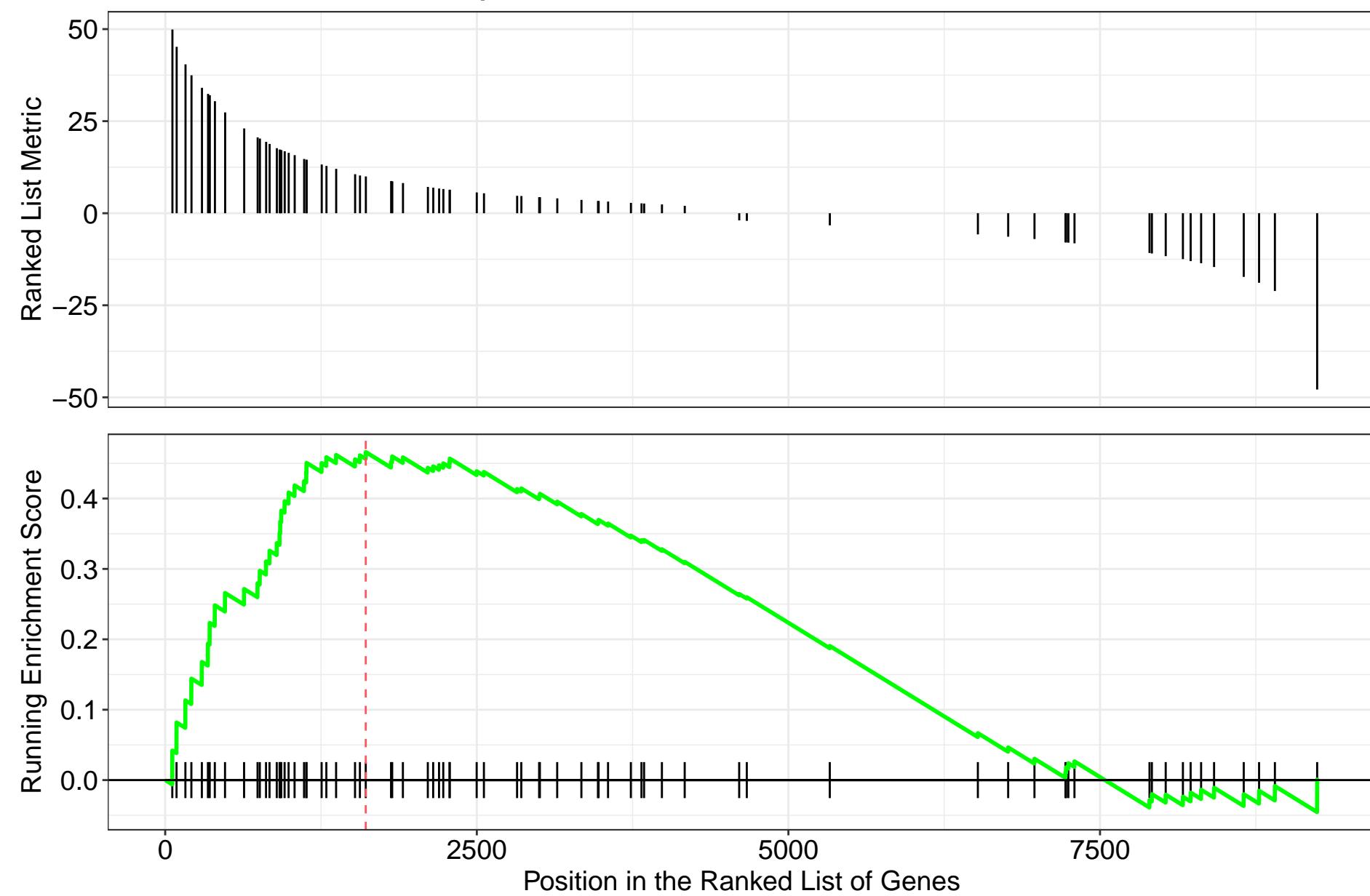
negative regulation of response to cytokine stimulus



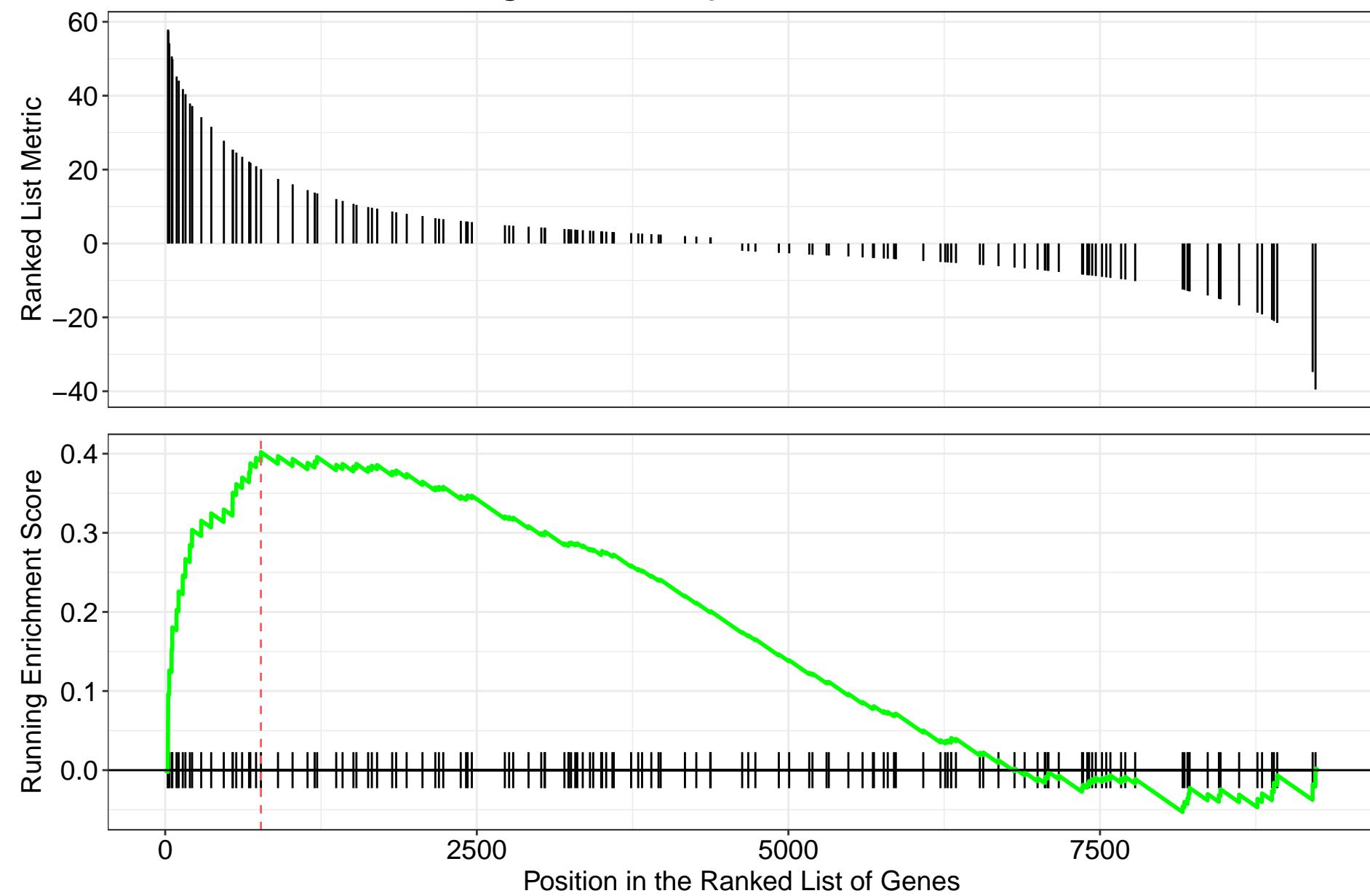
positive regulation of lymphocyte apoptotic process



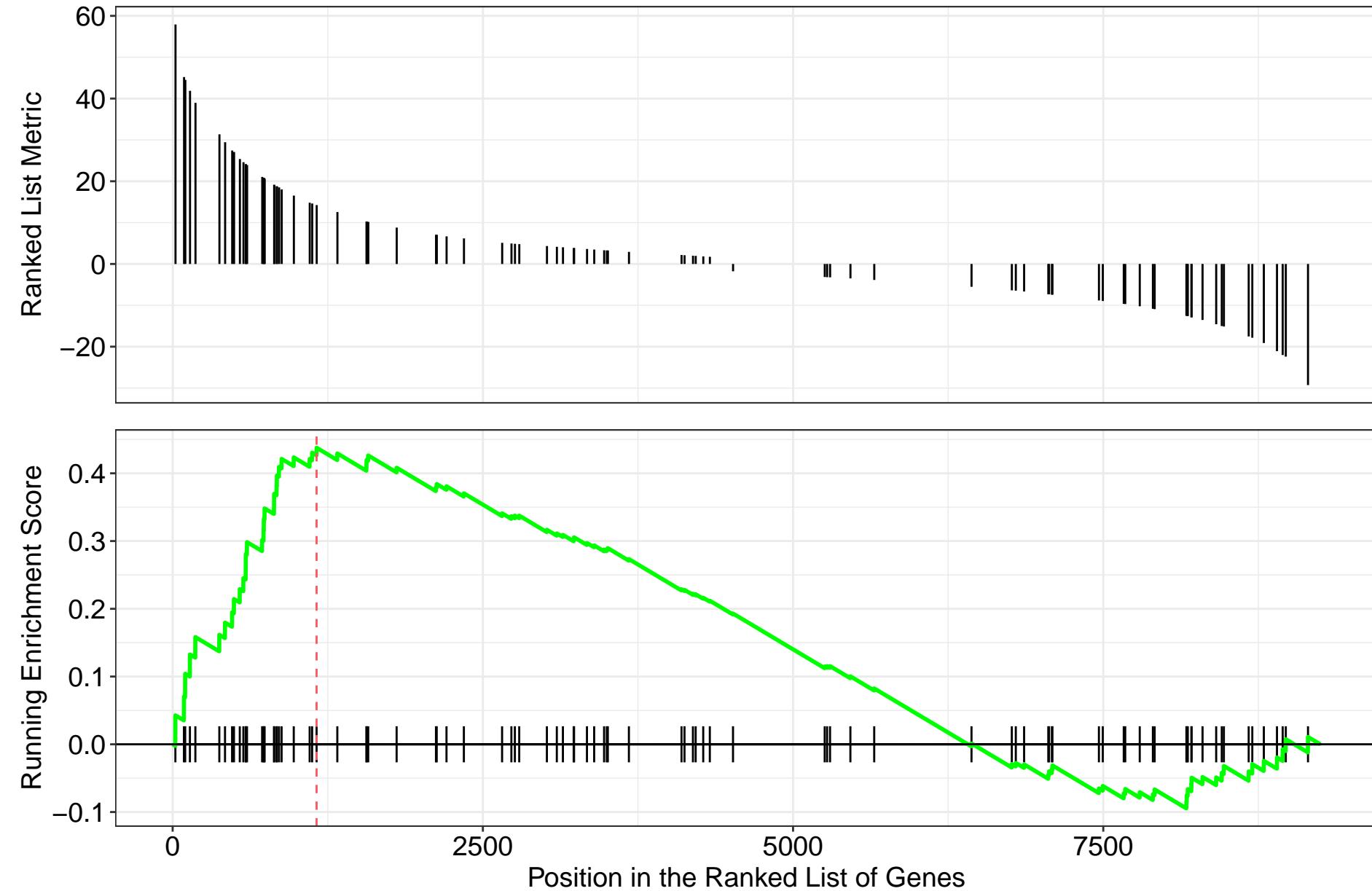
alpha–beta T cell differentiation



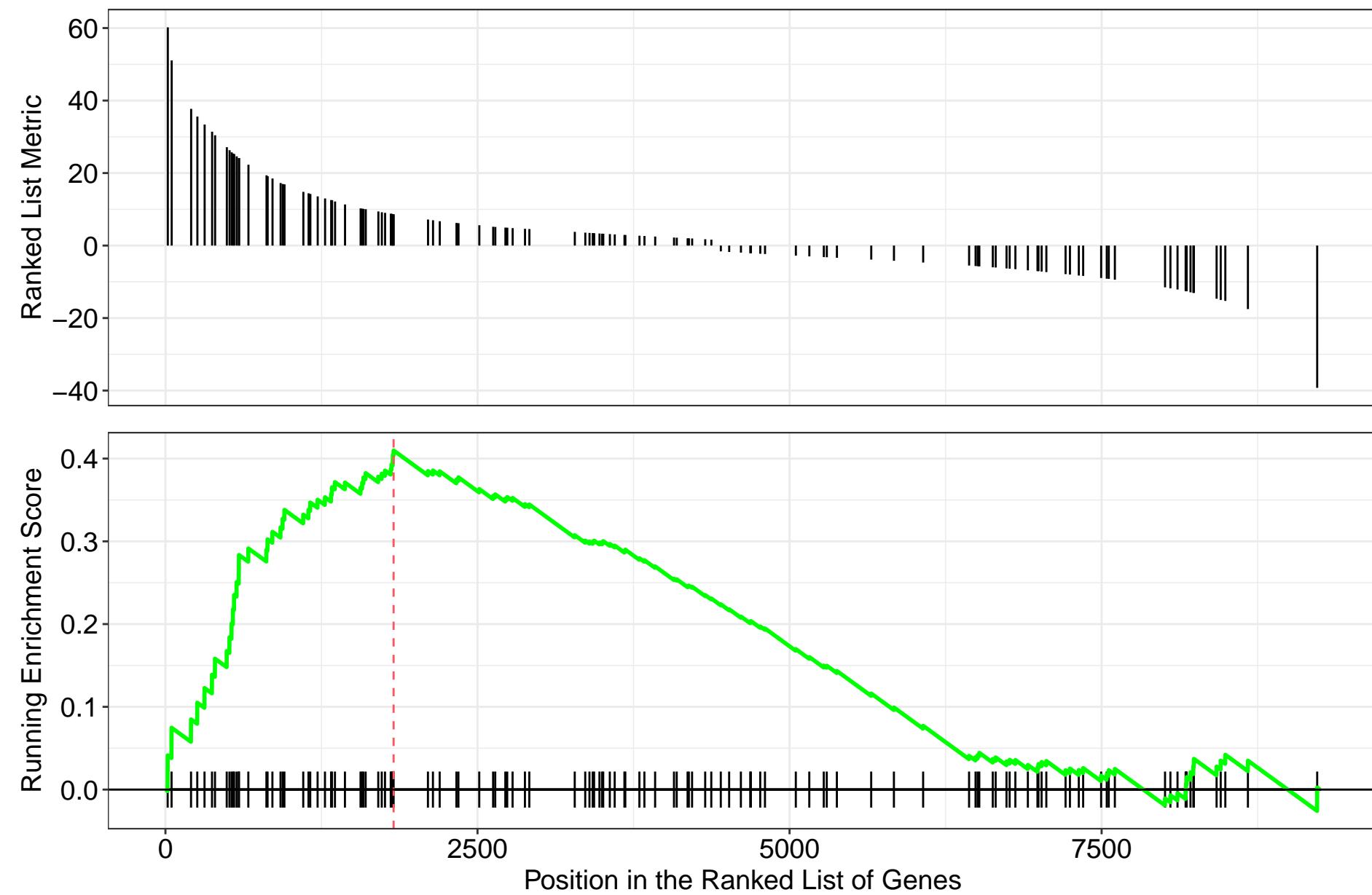
regulation of protein secretion



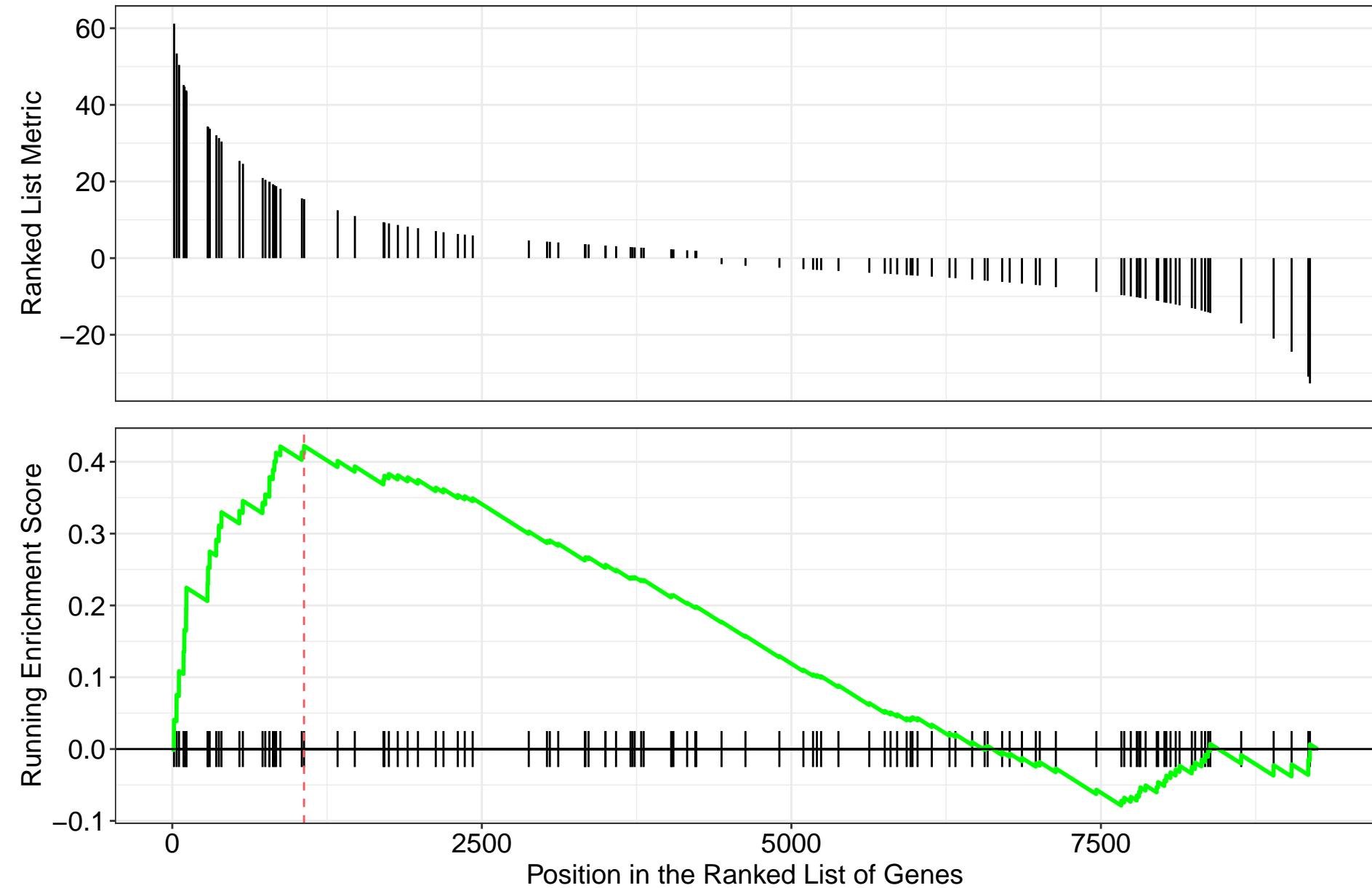
positive regulation of epithelial cell proliferation



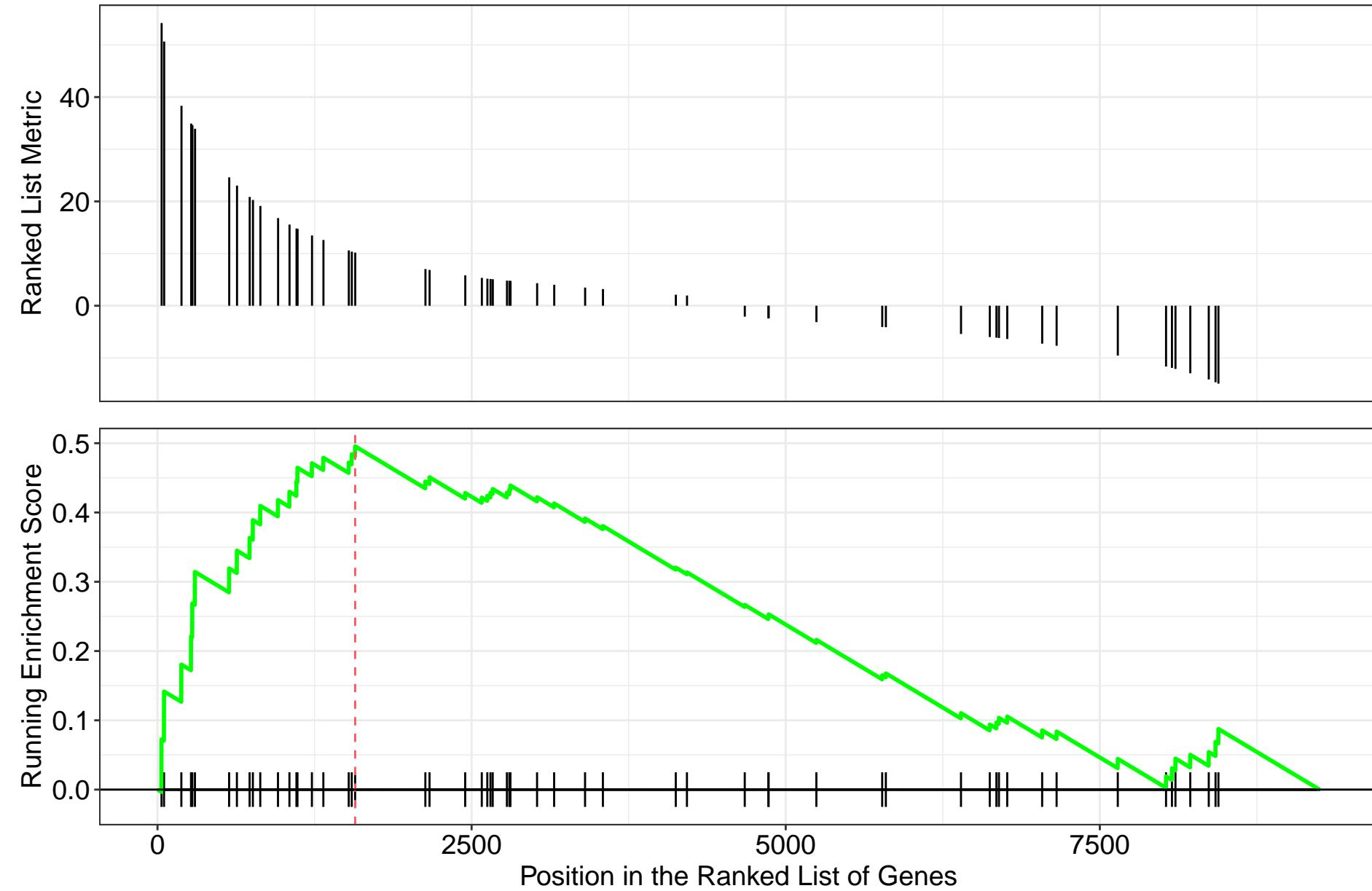
regulation of epithelial cell migration



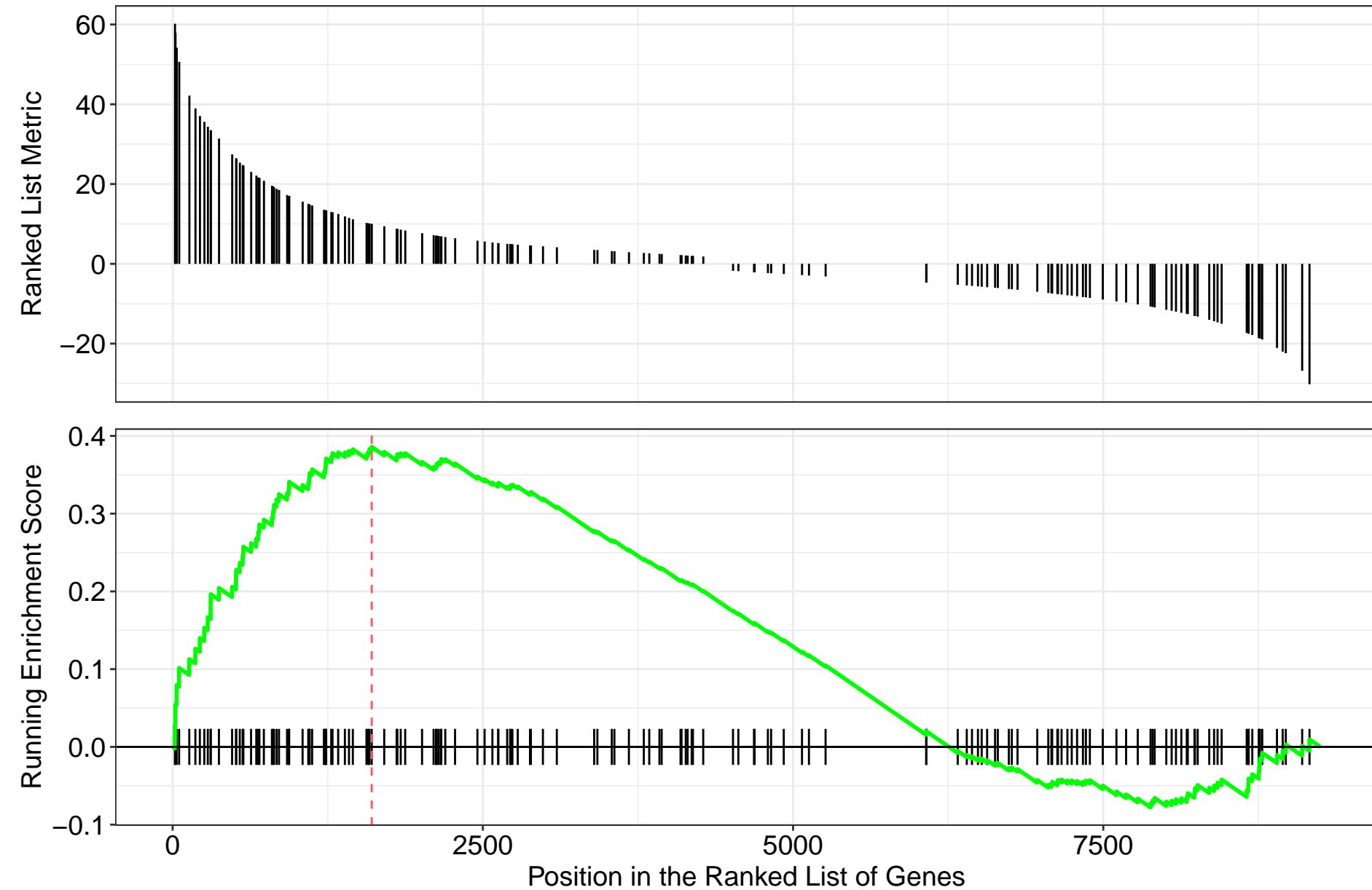
response to steroid hormone



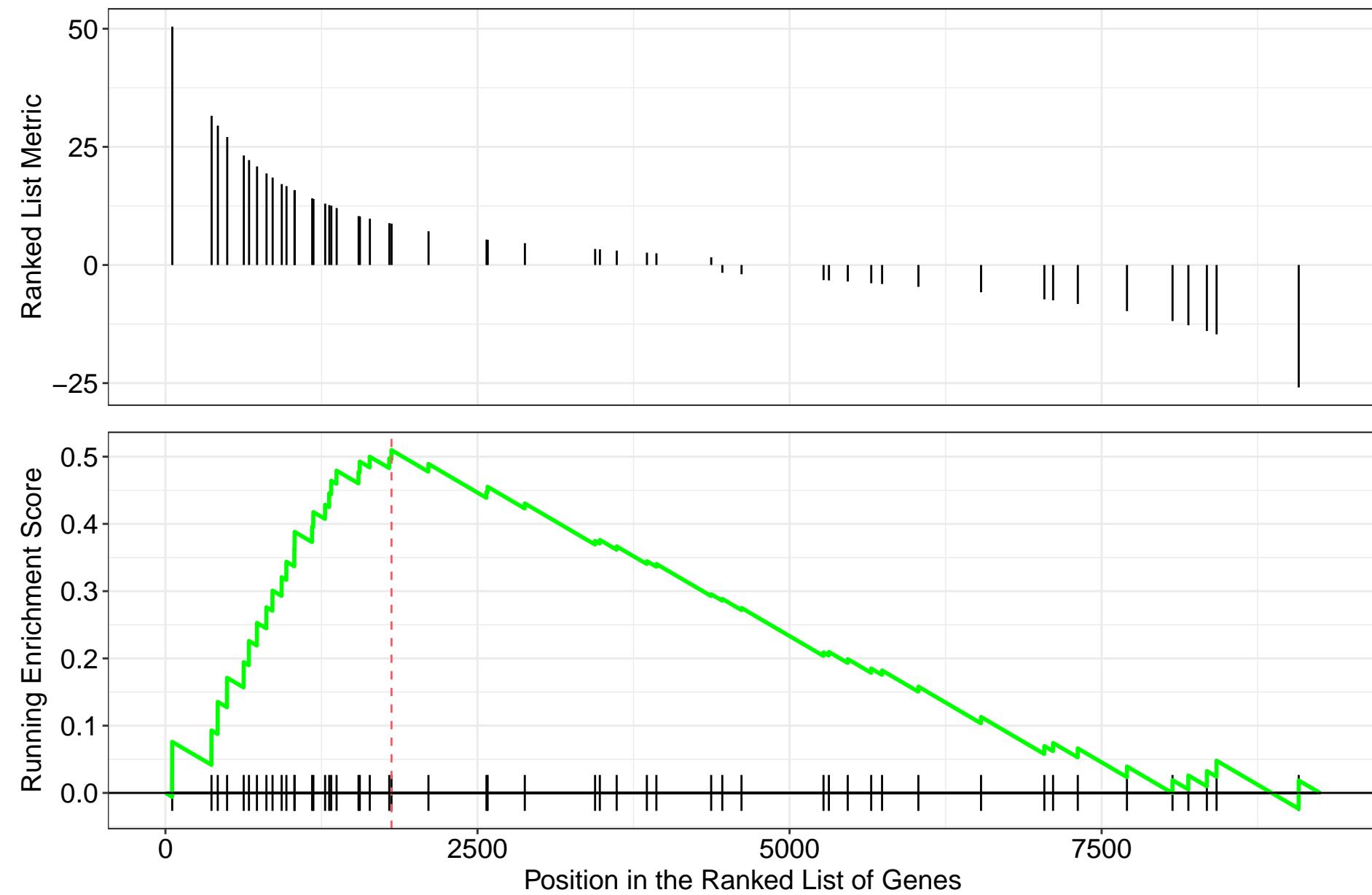
positive regulation of JNK cascade



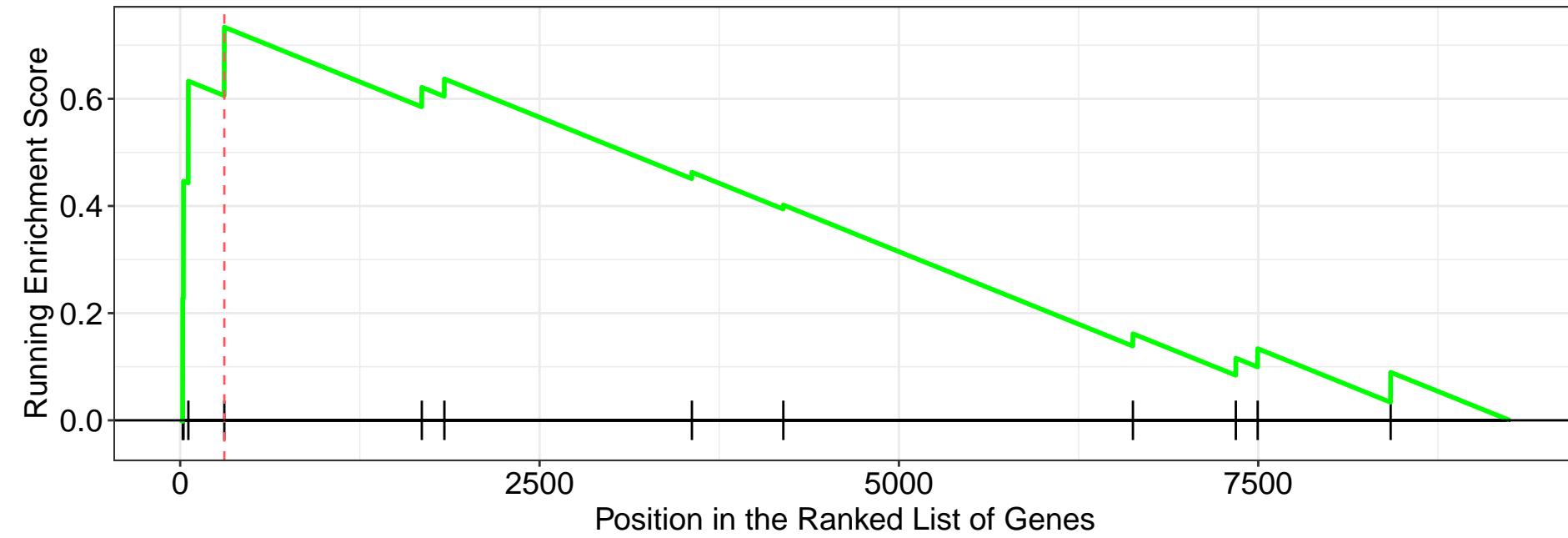
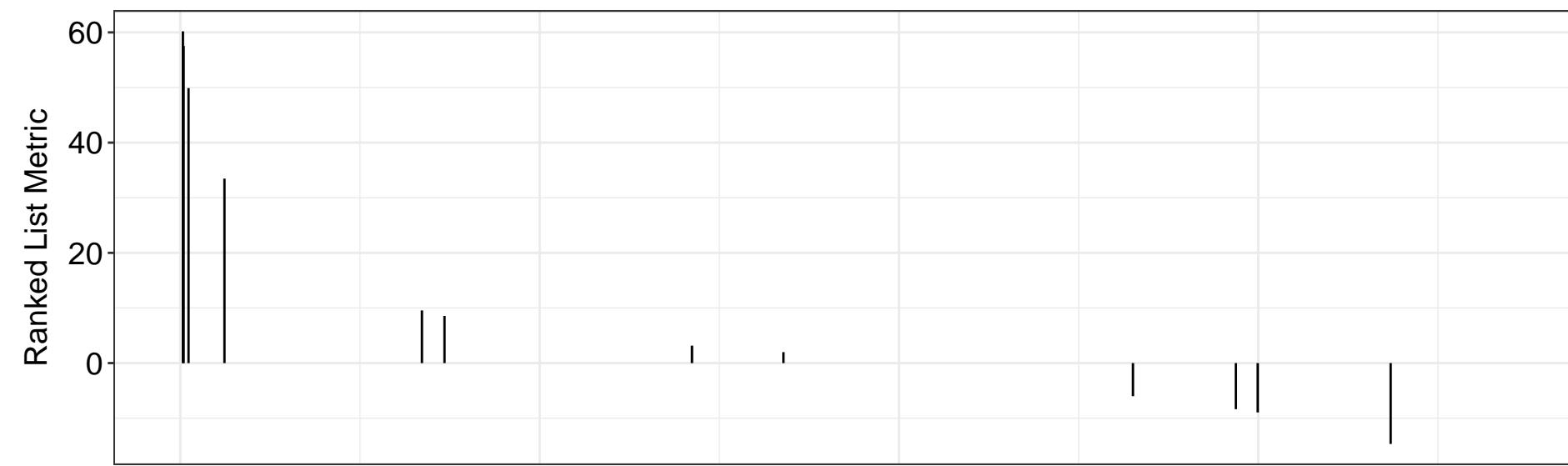
regulation of angiogenesis



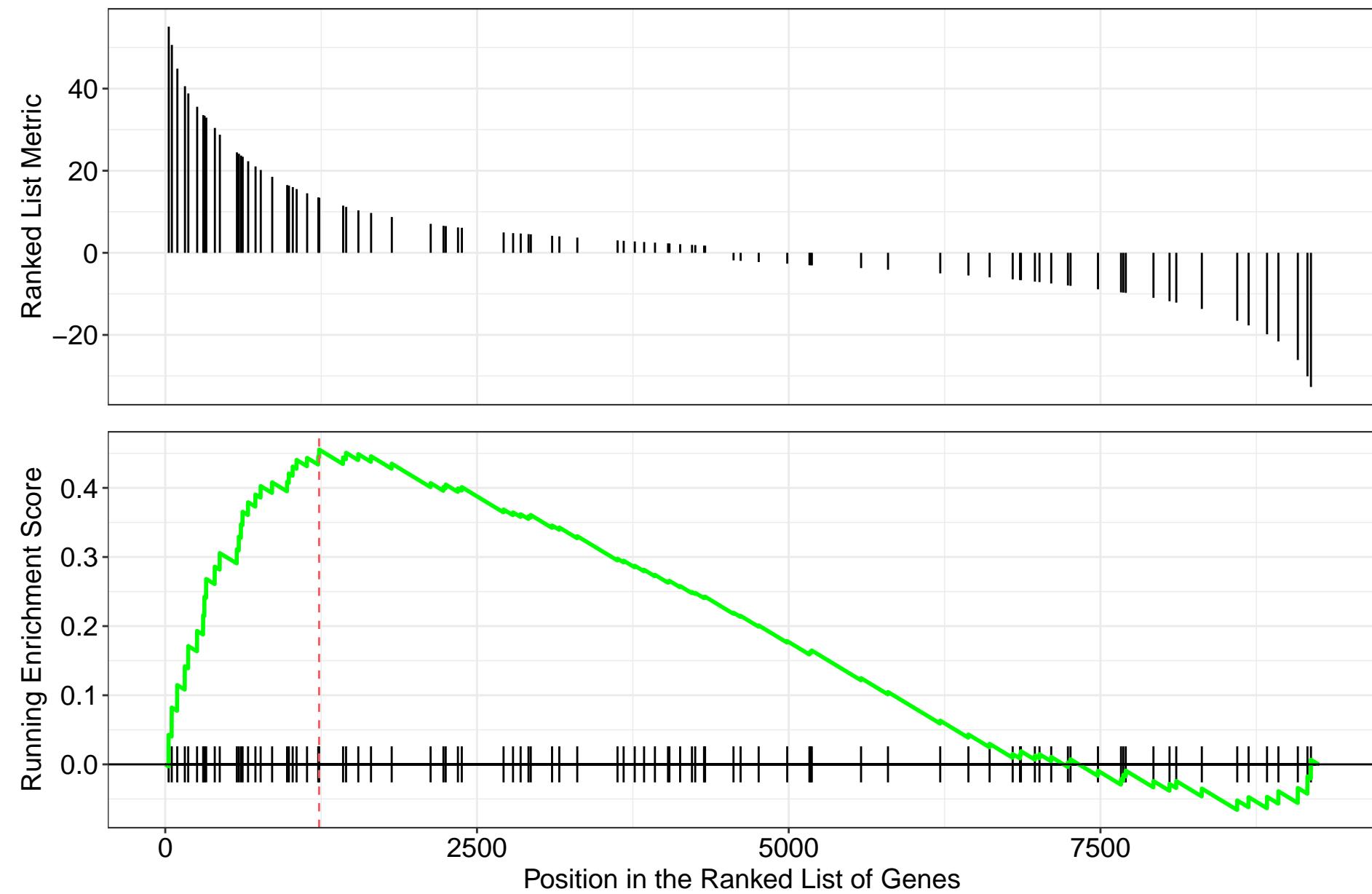
negative regulation of NF–kappaB transcription factor activity



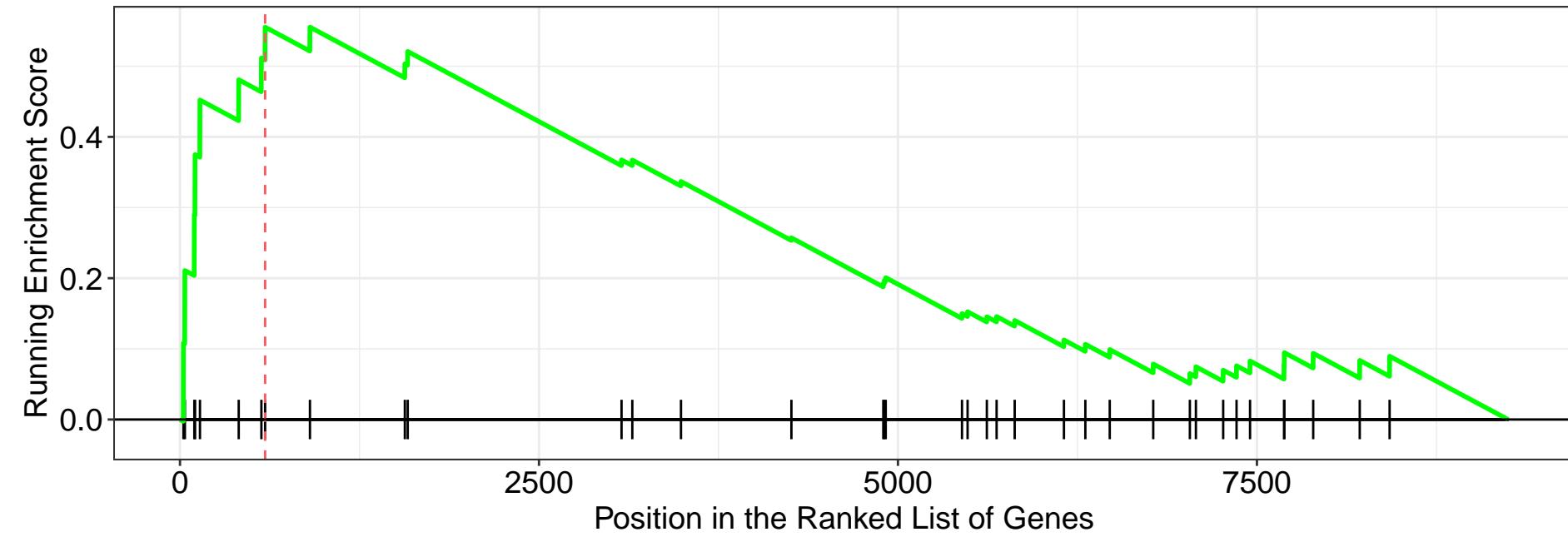
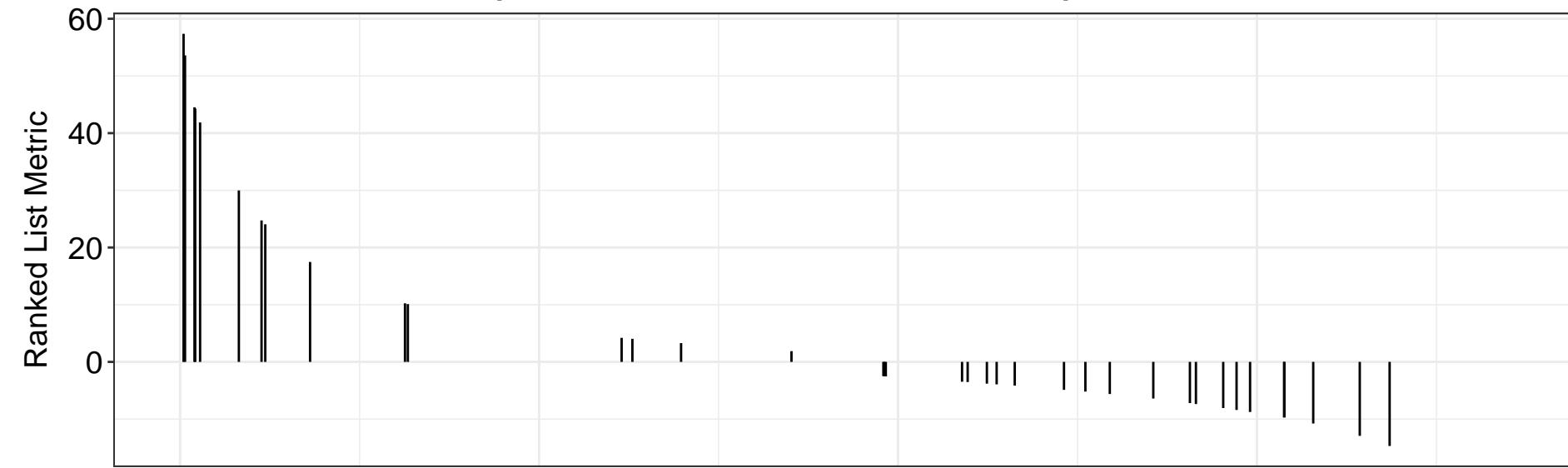
regulation of vascular endothelial growth factor signaling pathway



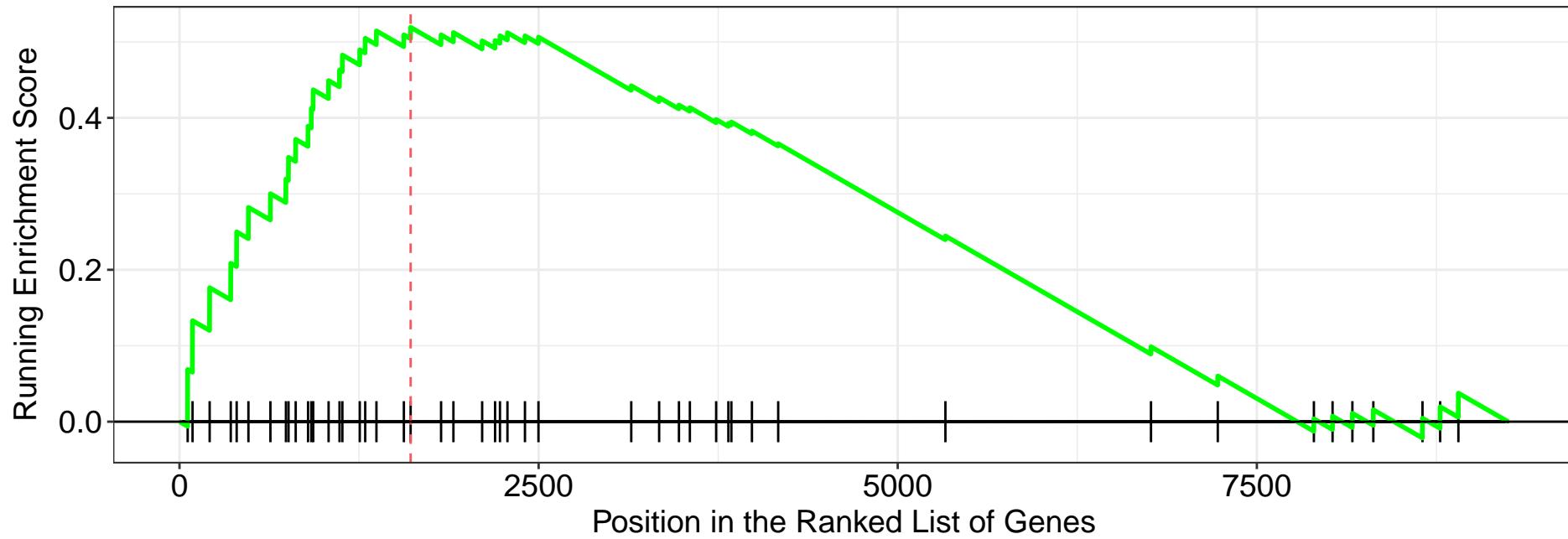
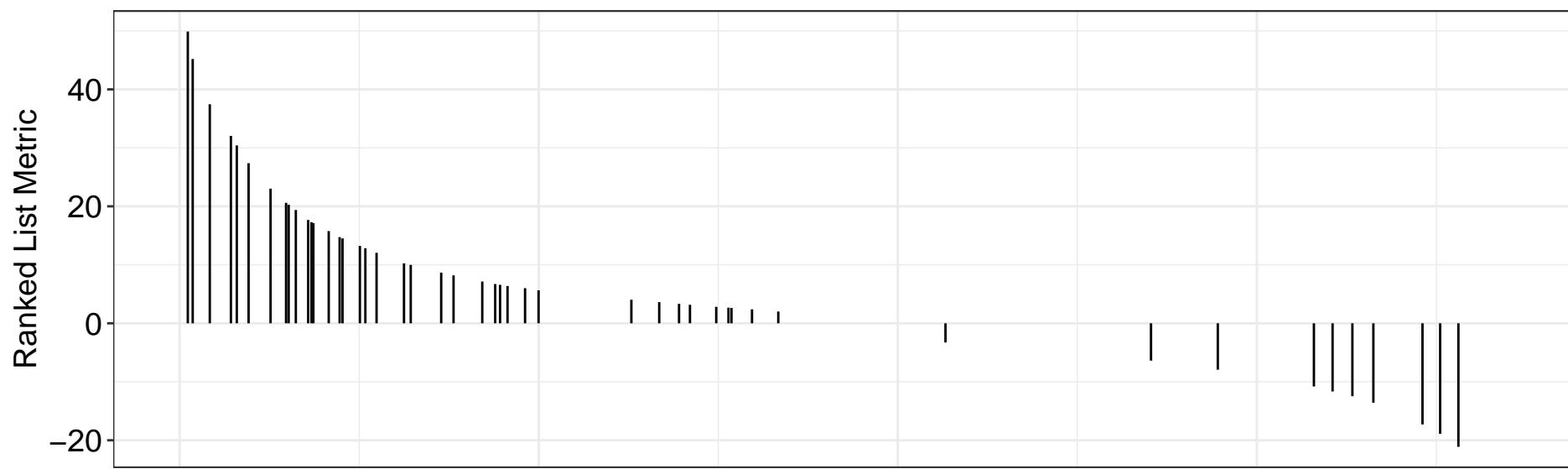
gonad development



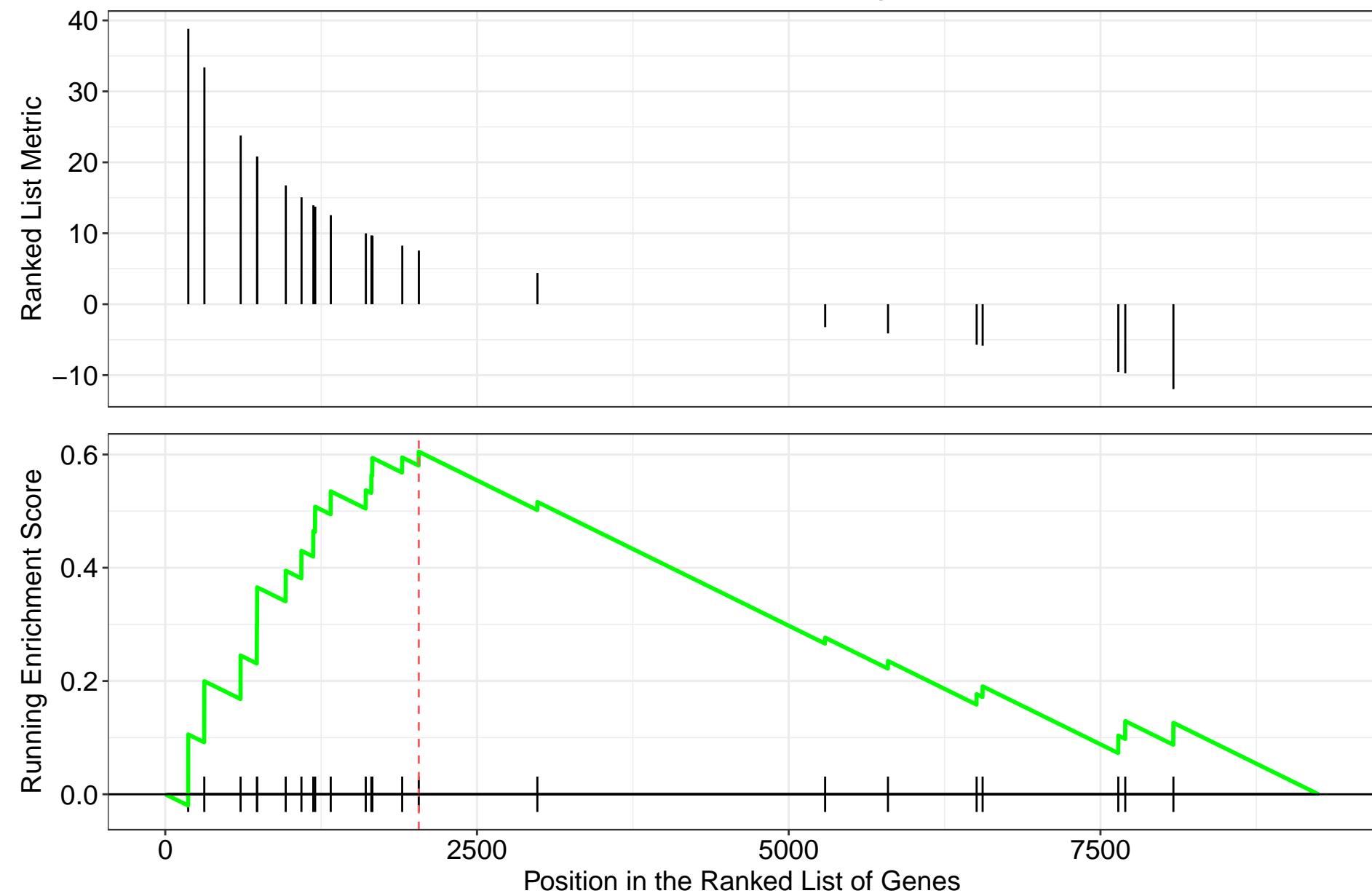
alpha–amino acid catabolic process



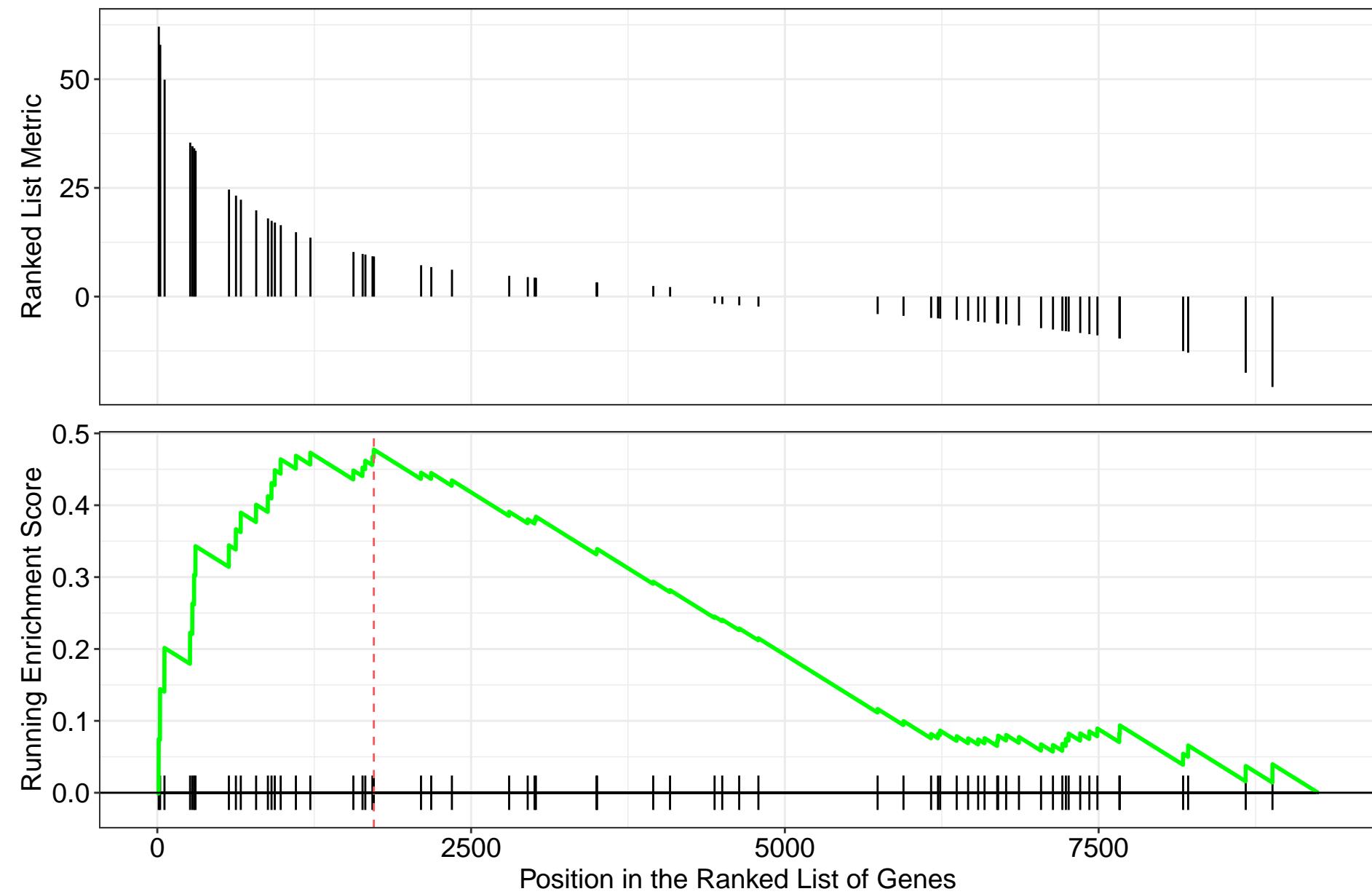
alpha–beta T cell activation involved in immune response



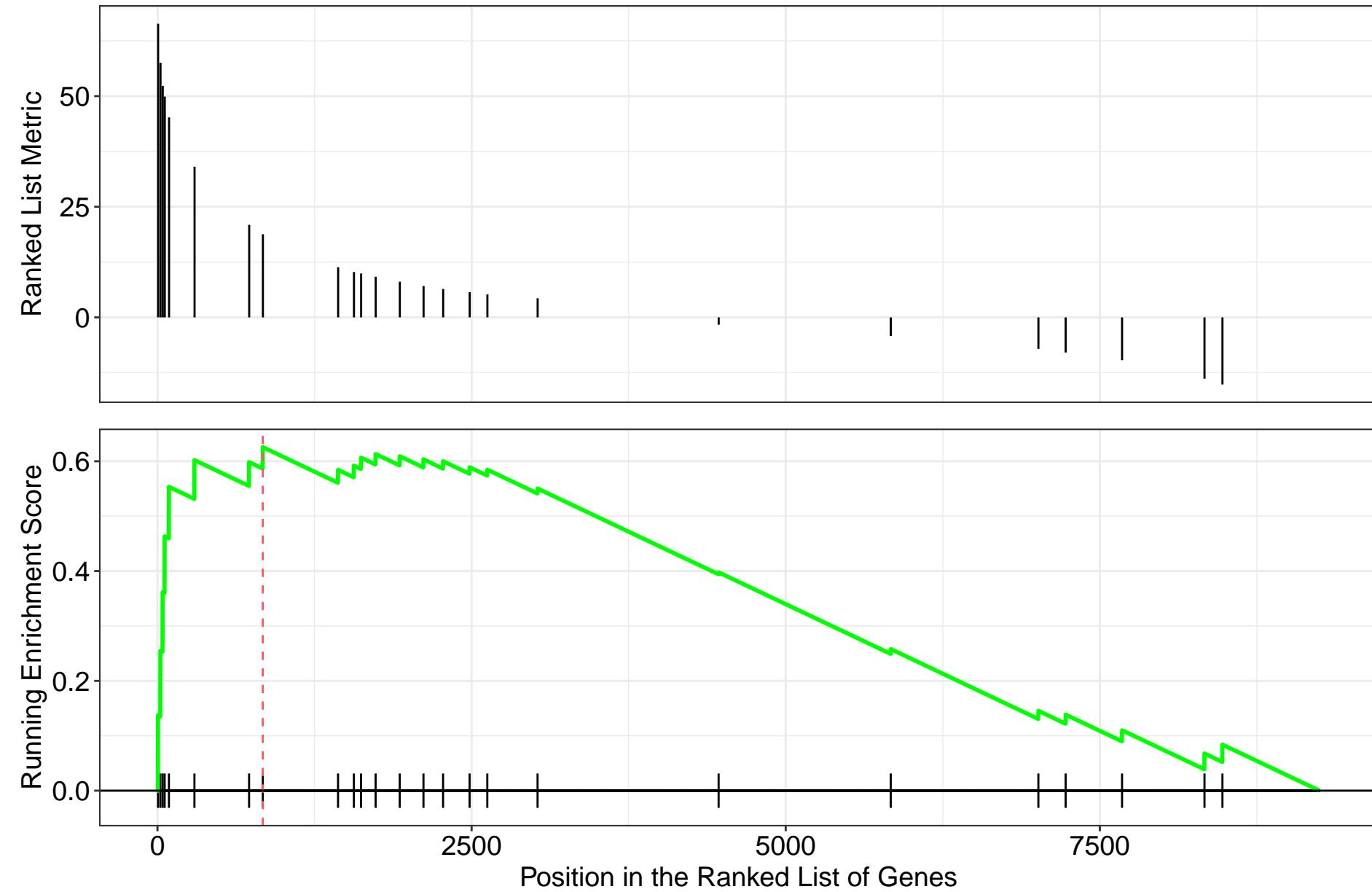
epithelial cell morphogenesis



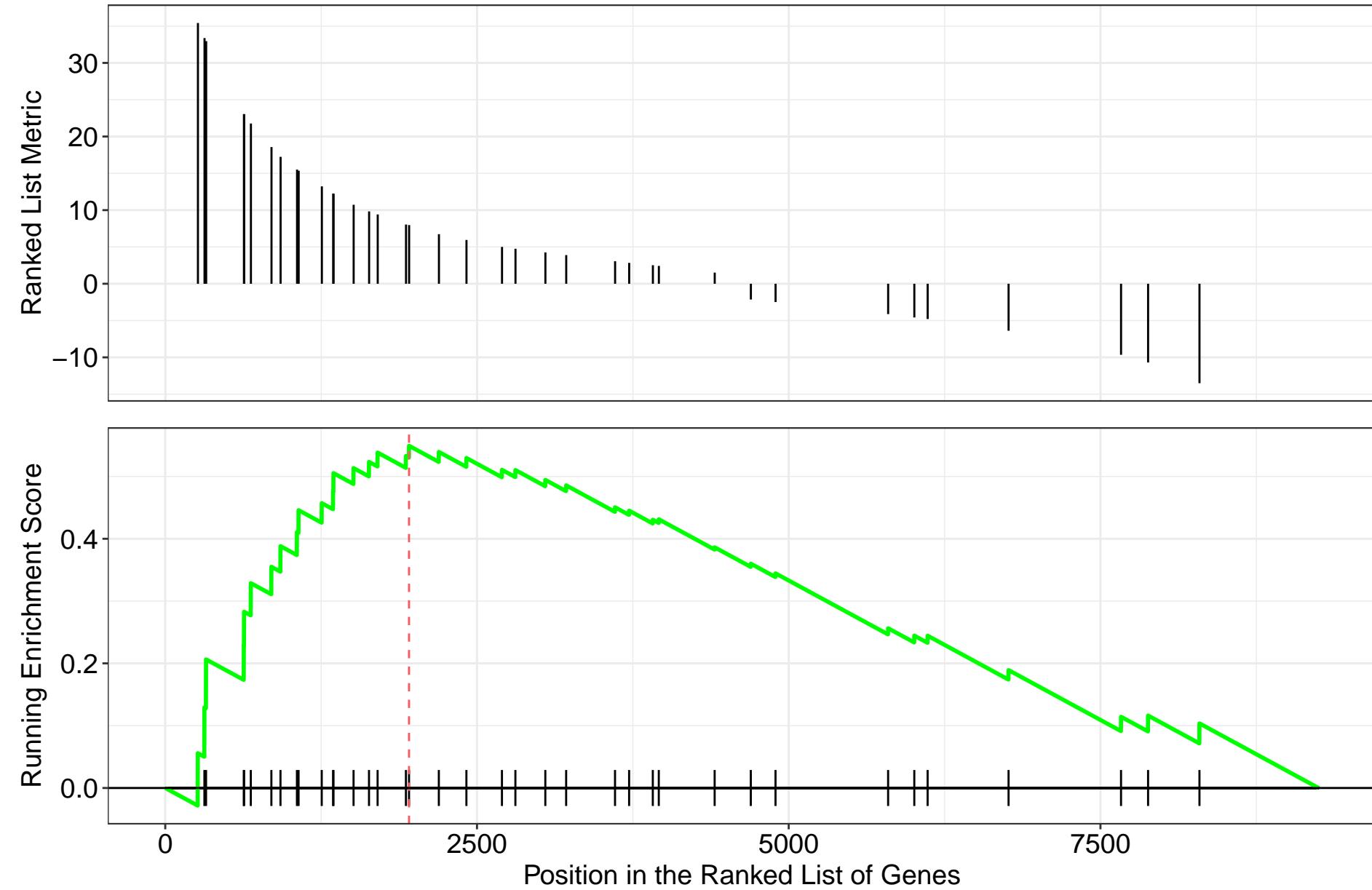
positive regulation of myeloid cell differentiation



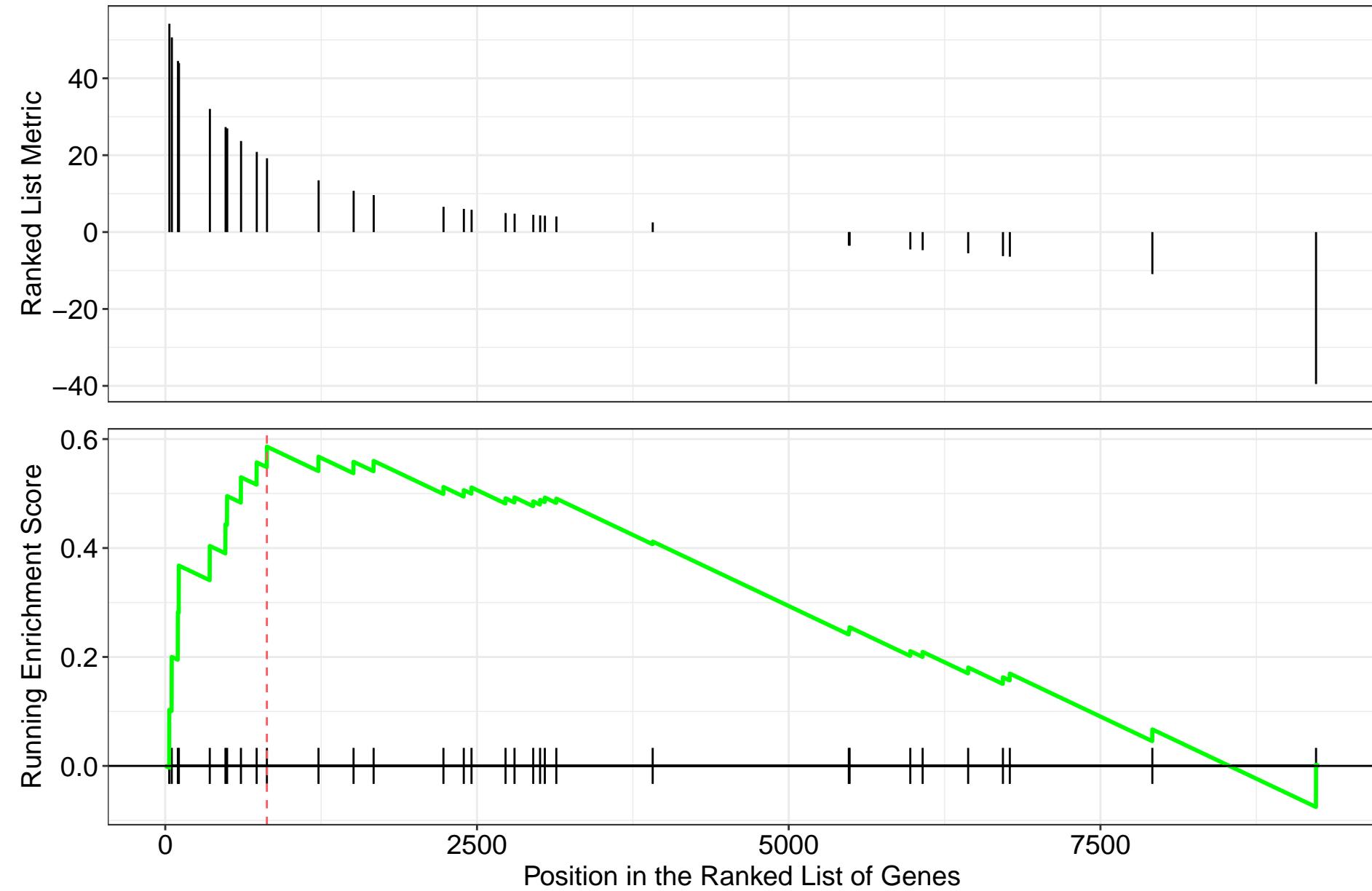
positive regulation of receptor signaling pathway via JAK–STAT



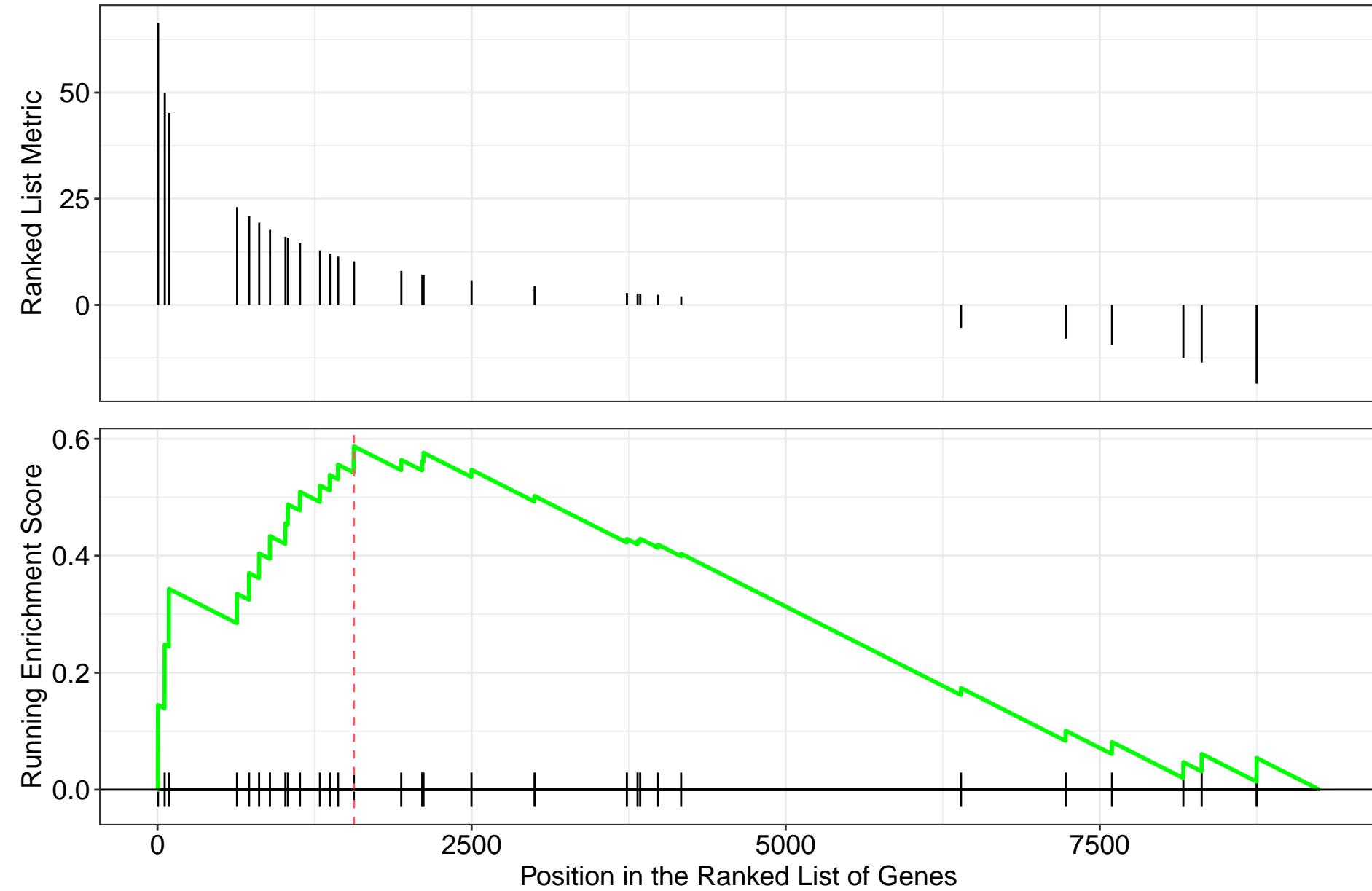
positive regulation of interferon–beta production



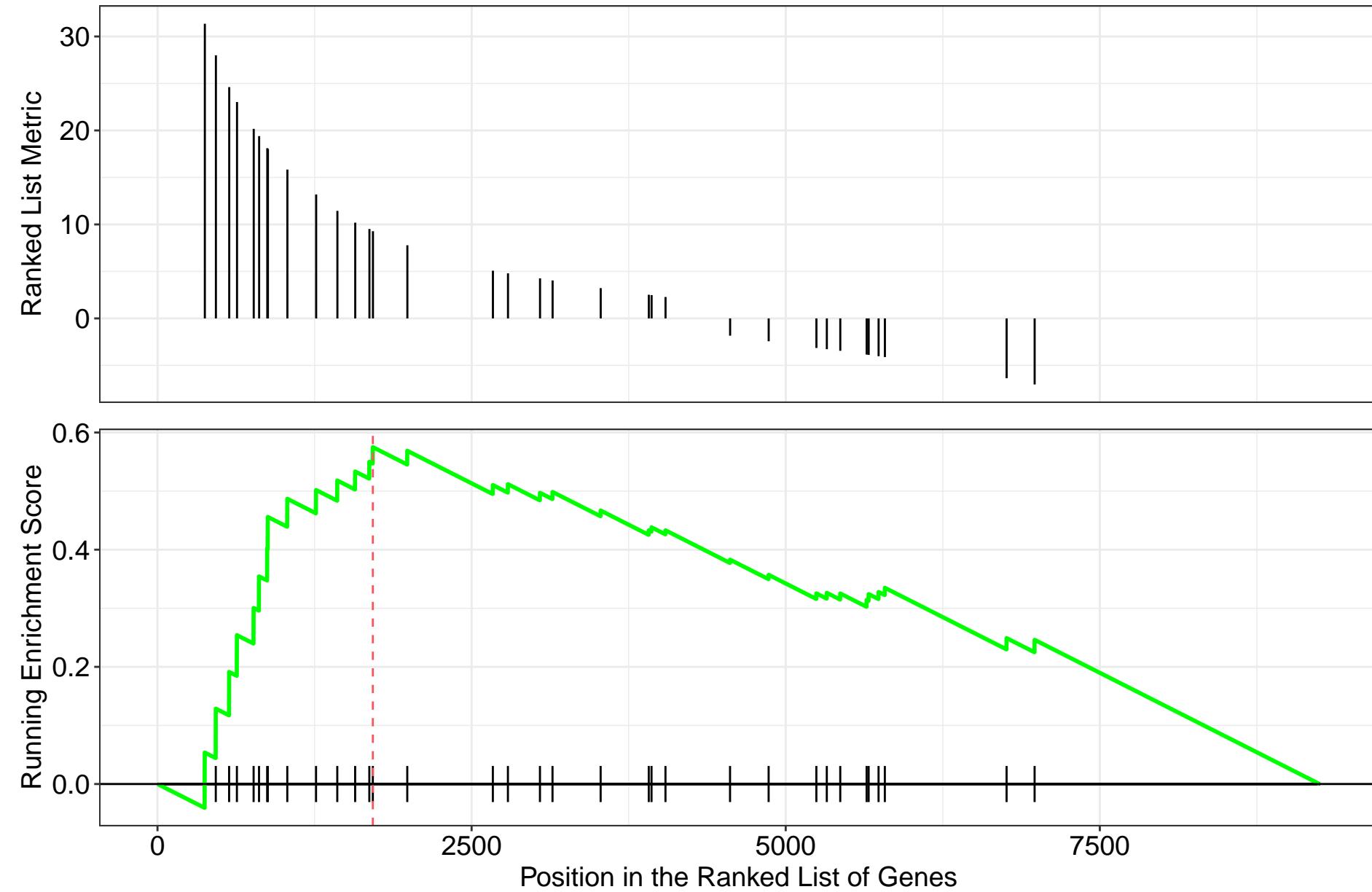
regulation of neutrophil migration



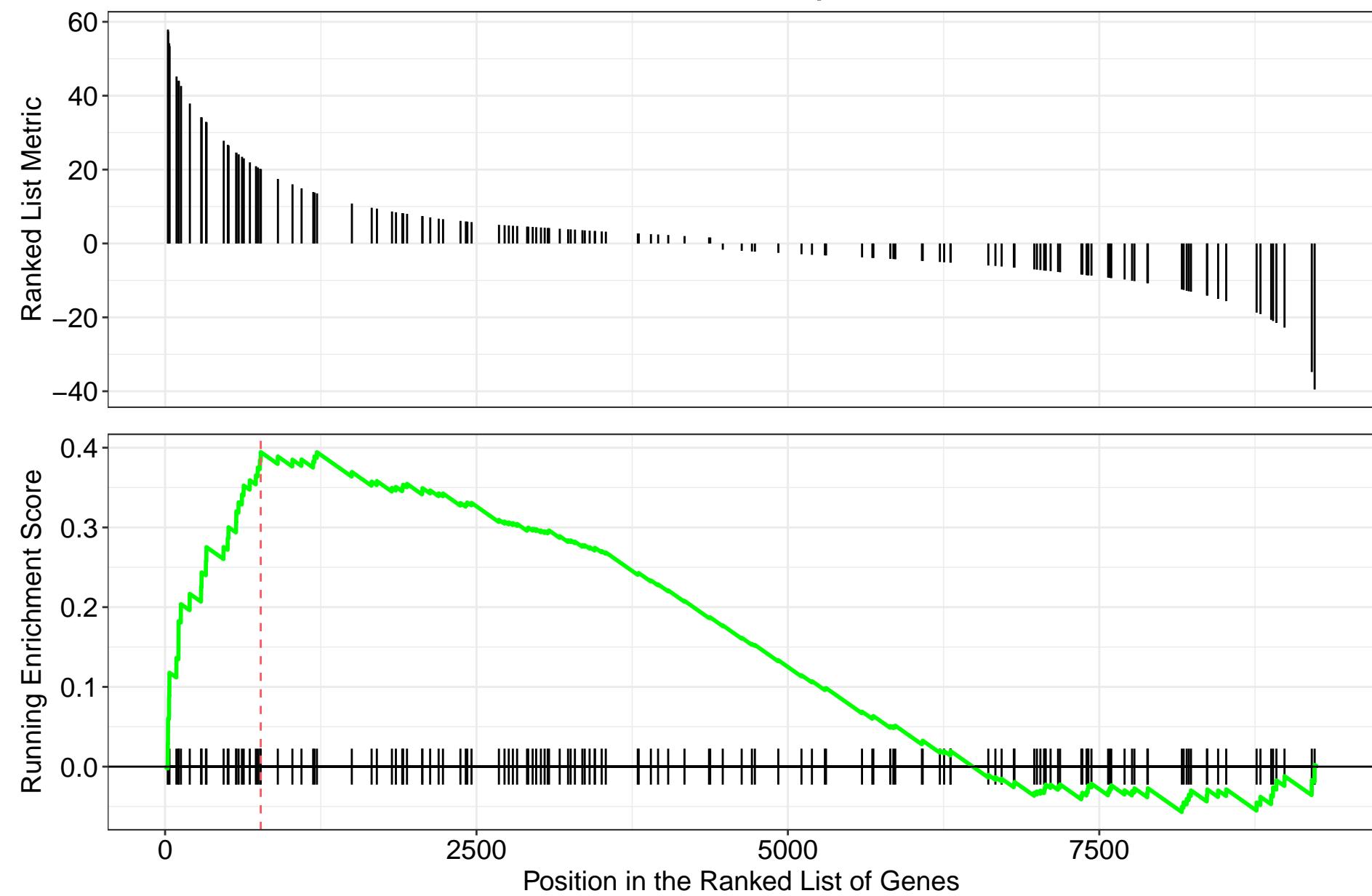
T-helper 17 type immune response



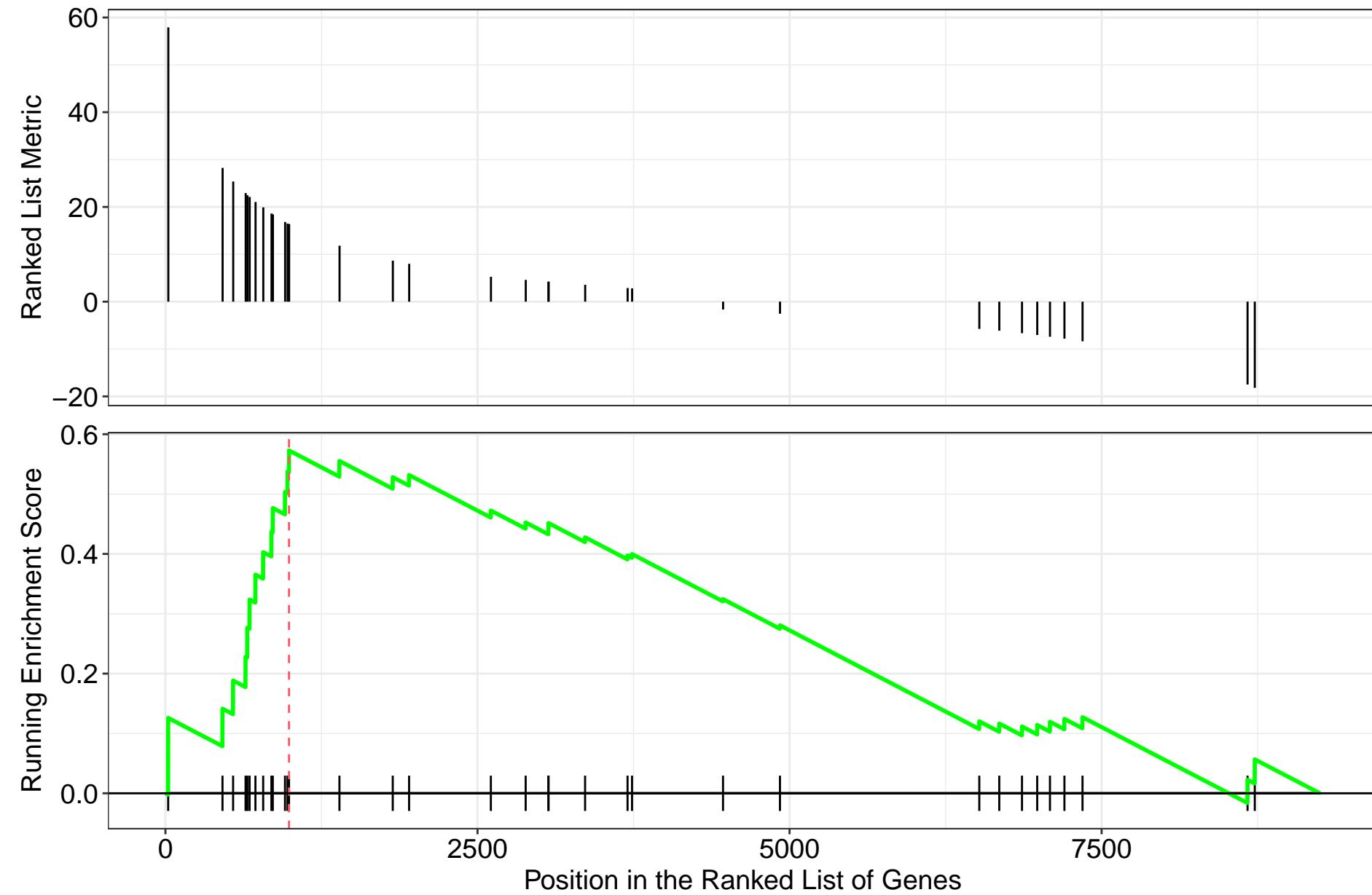
programmed necrotic cell death



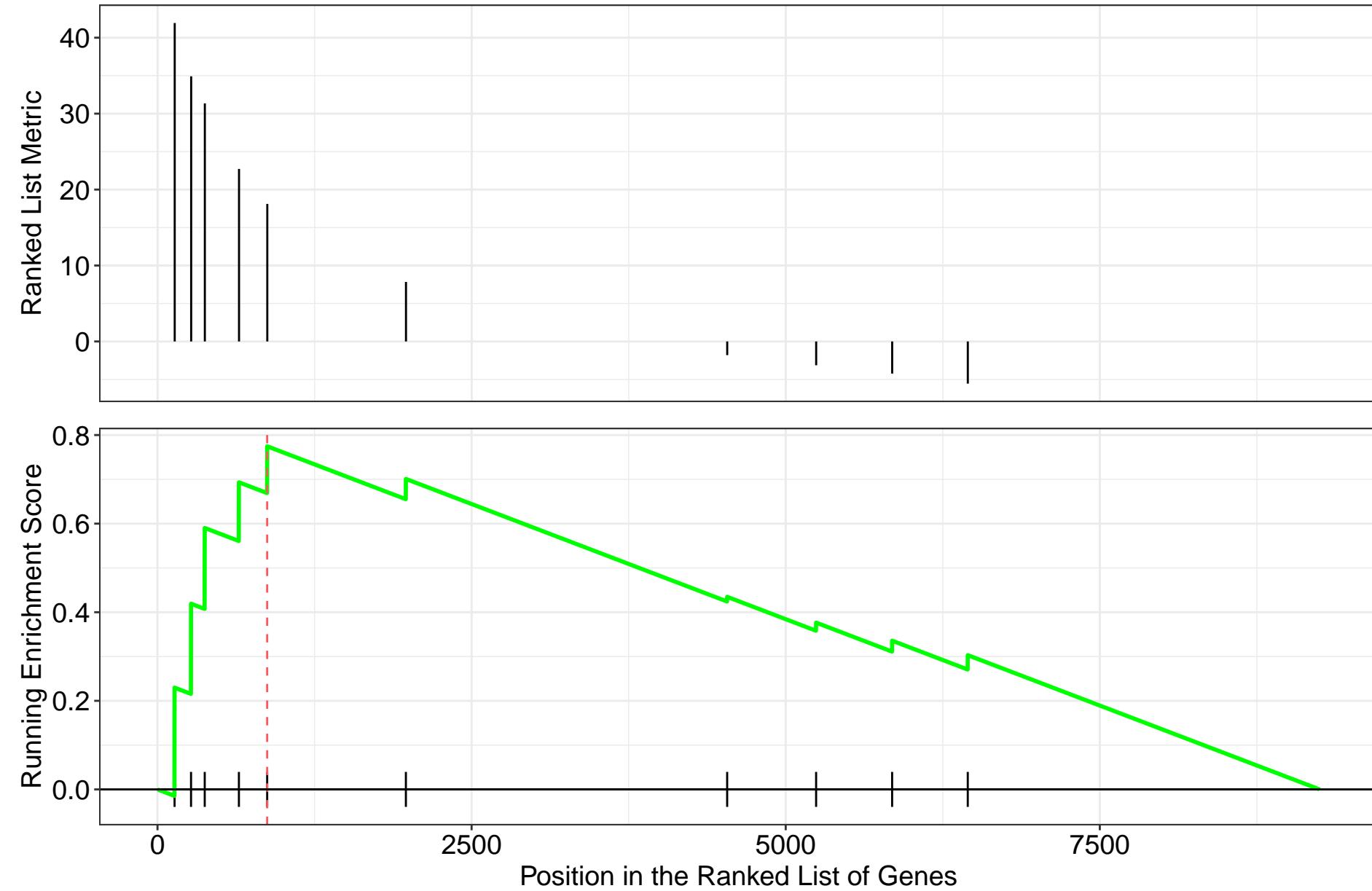
amide transport



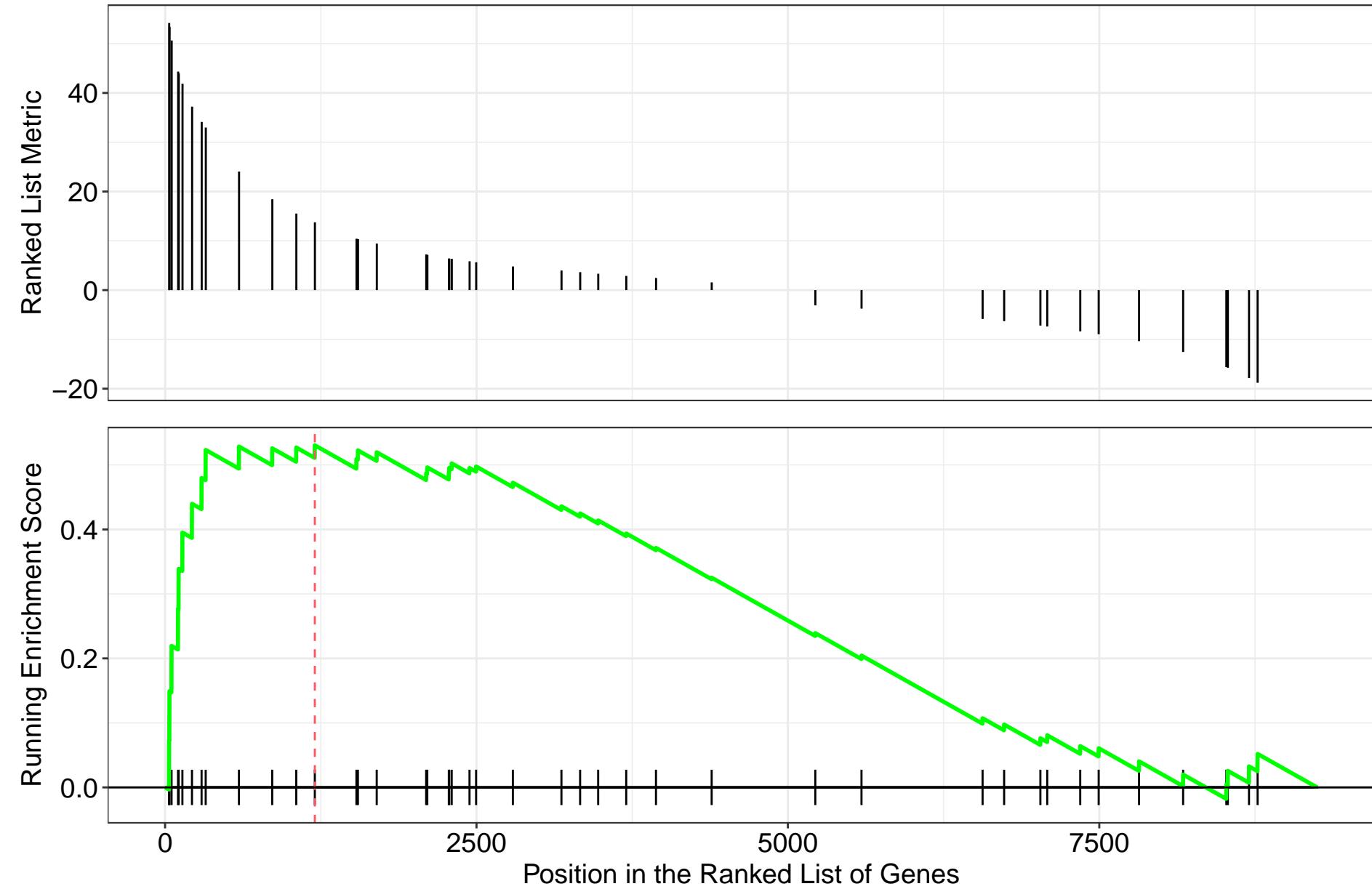
regulation of lipase activity



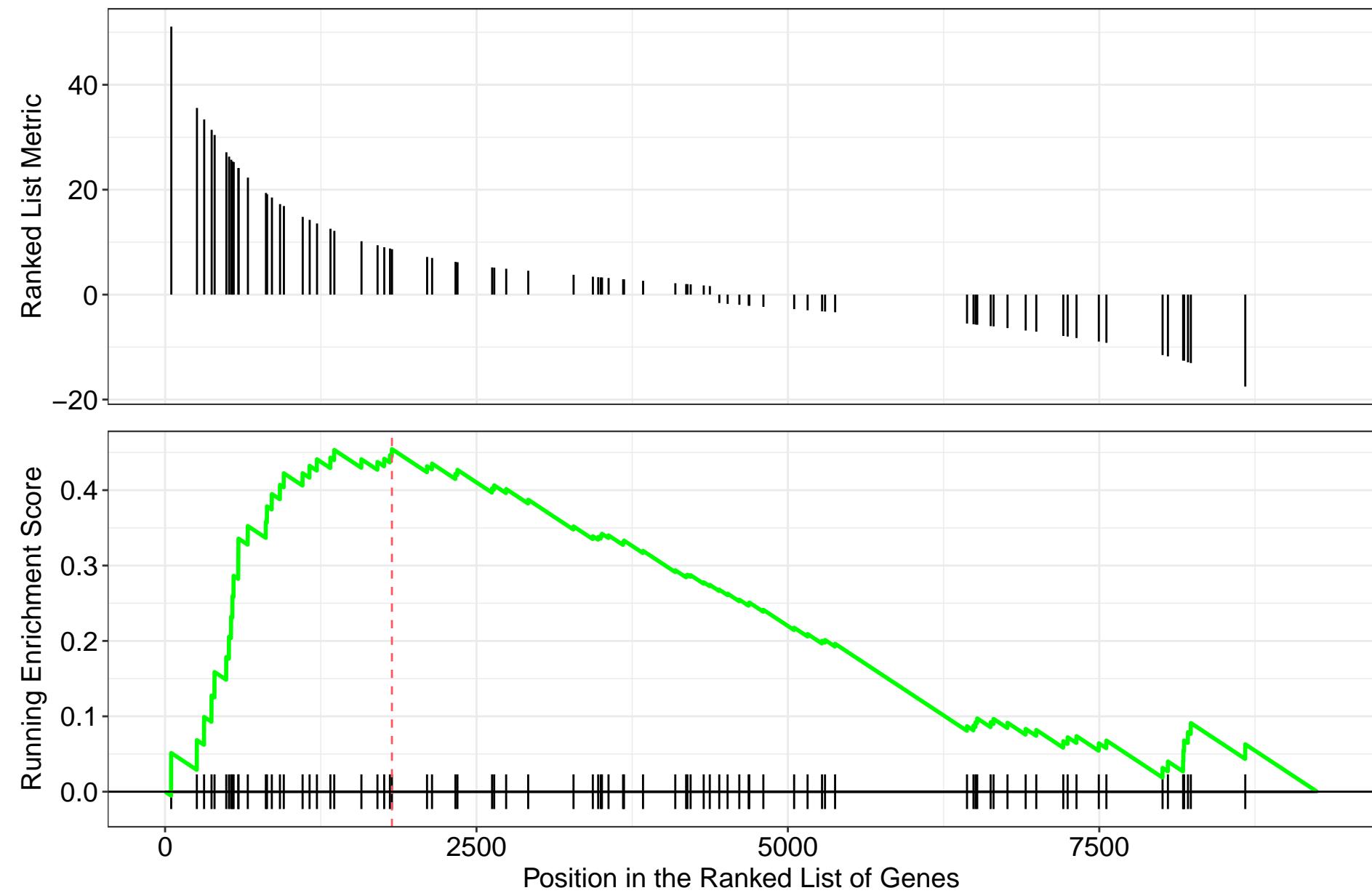
response to increased oxygen levels



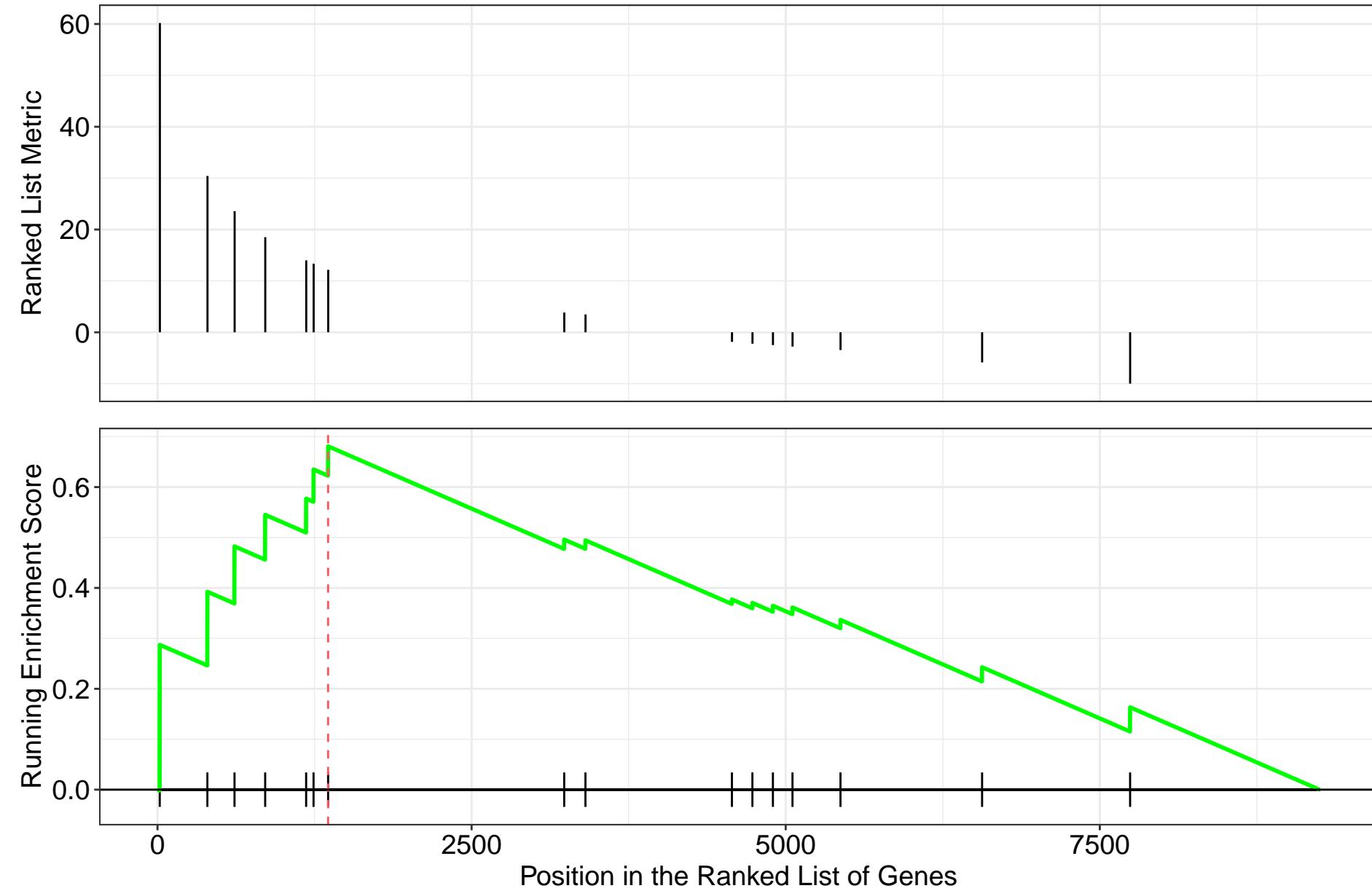
regulation of anion transport



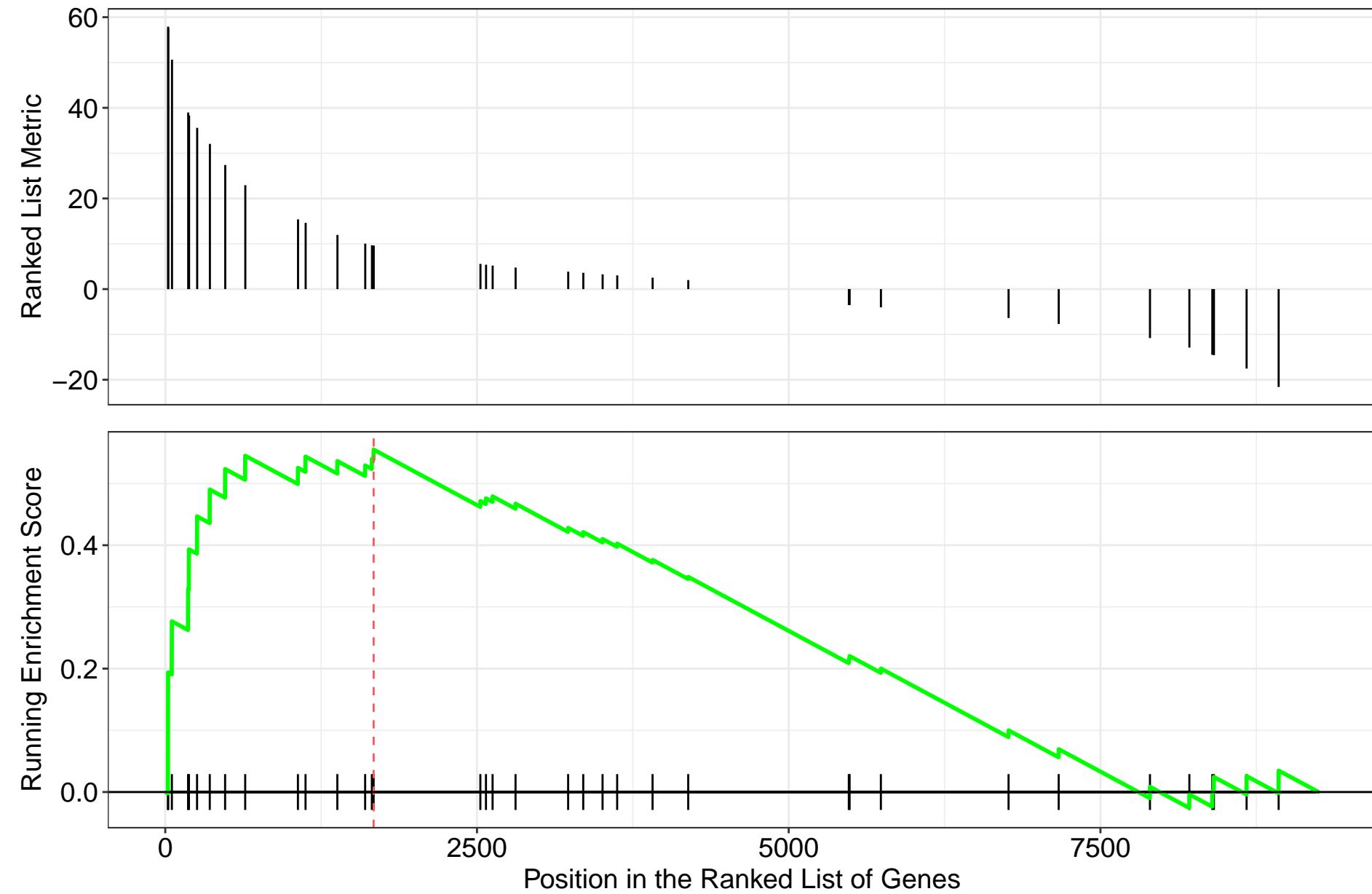
positive regulation of epithelial cell migration



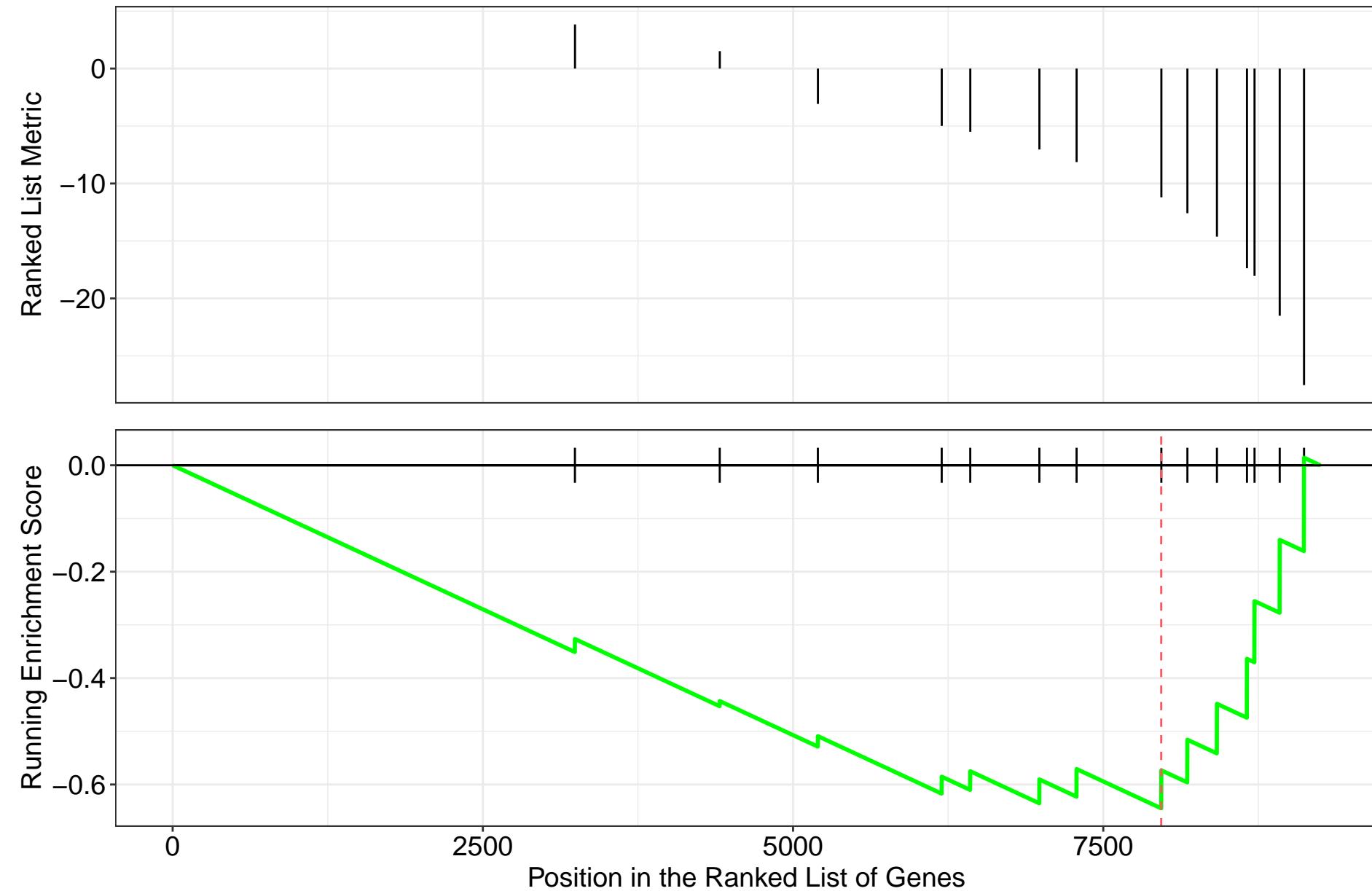
regulation of mitochondrial depolarization



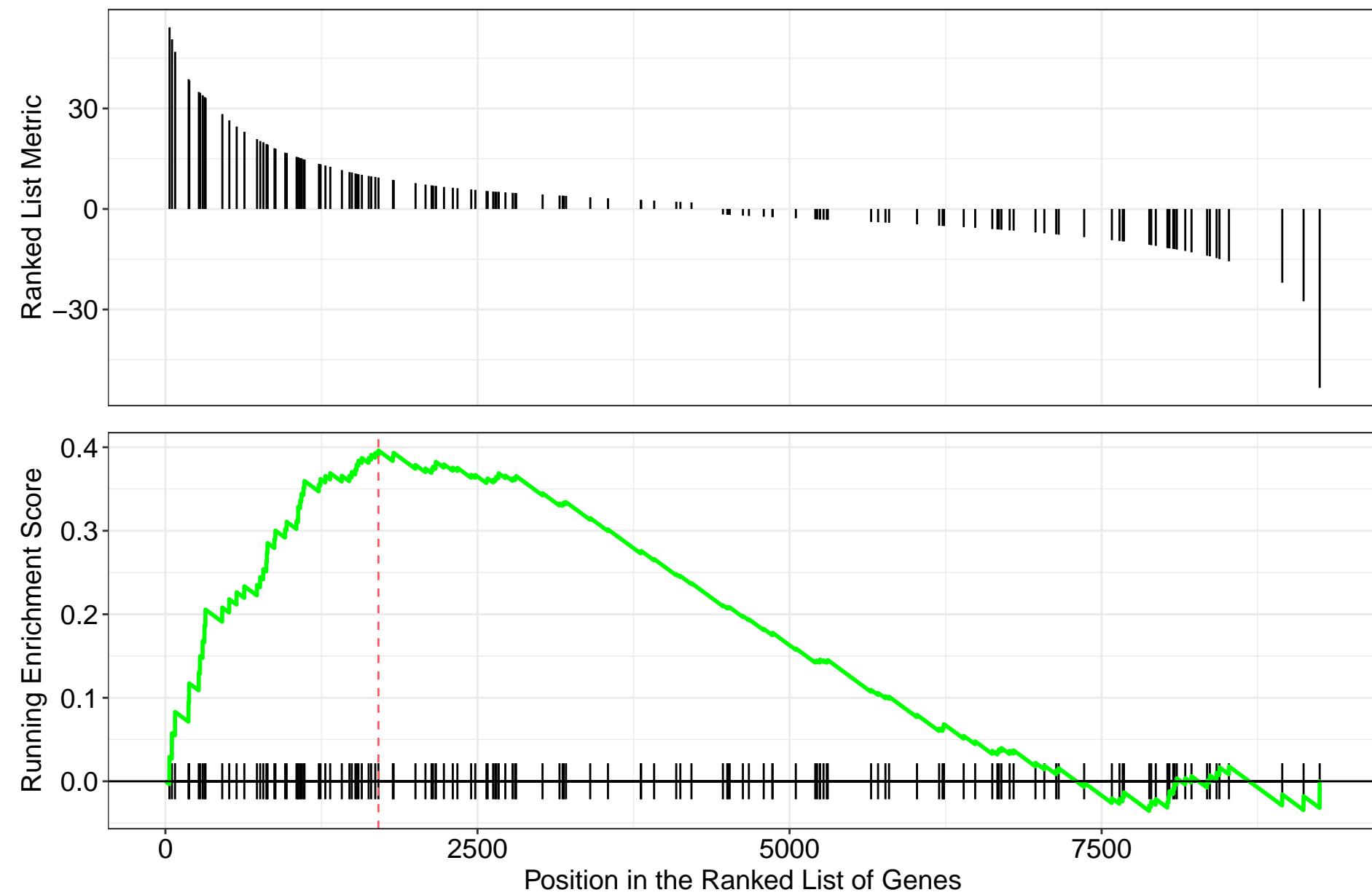
positive regulation of mononuclear cell migration



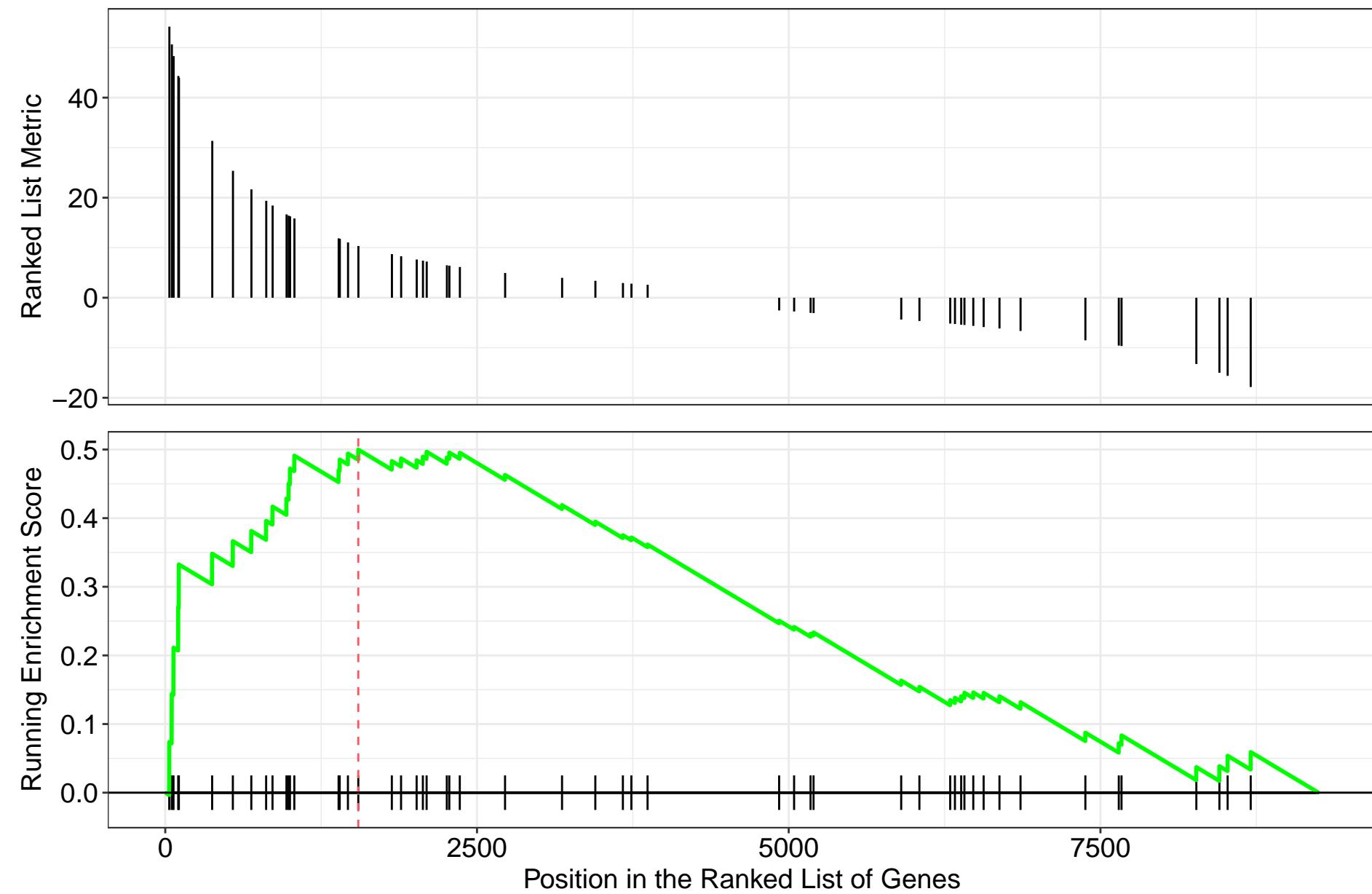
positive regulation of cell cycle checkpoint



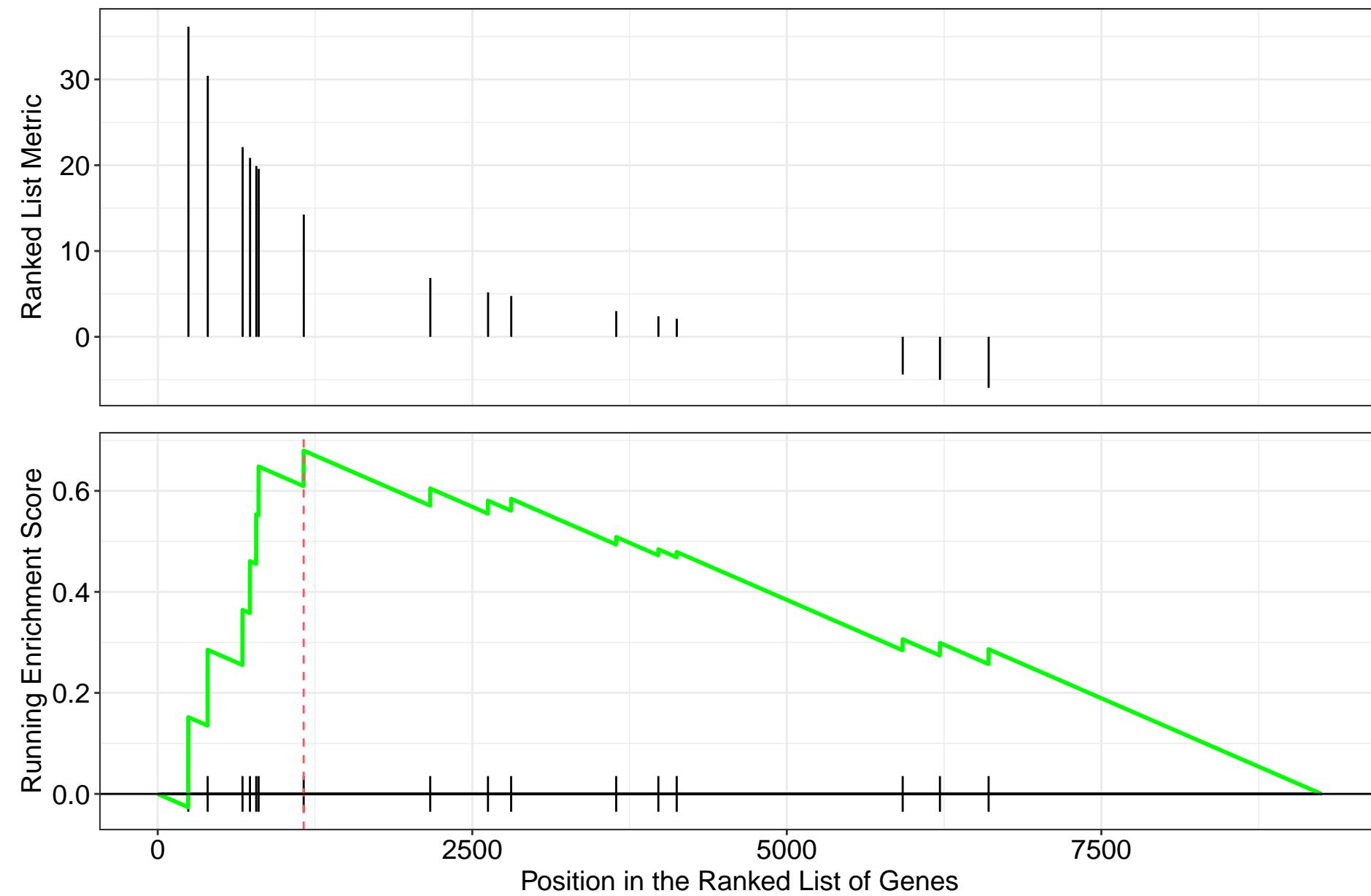
stress-activated protein kinase signaling cascade



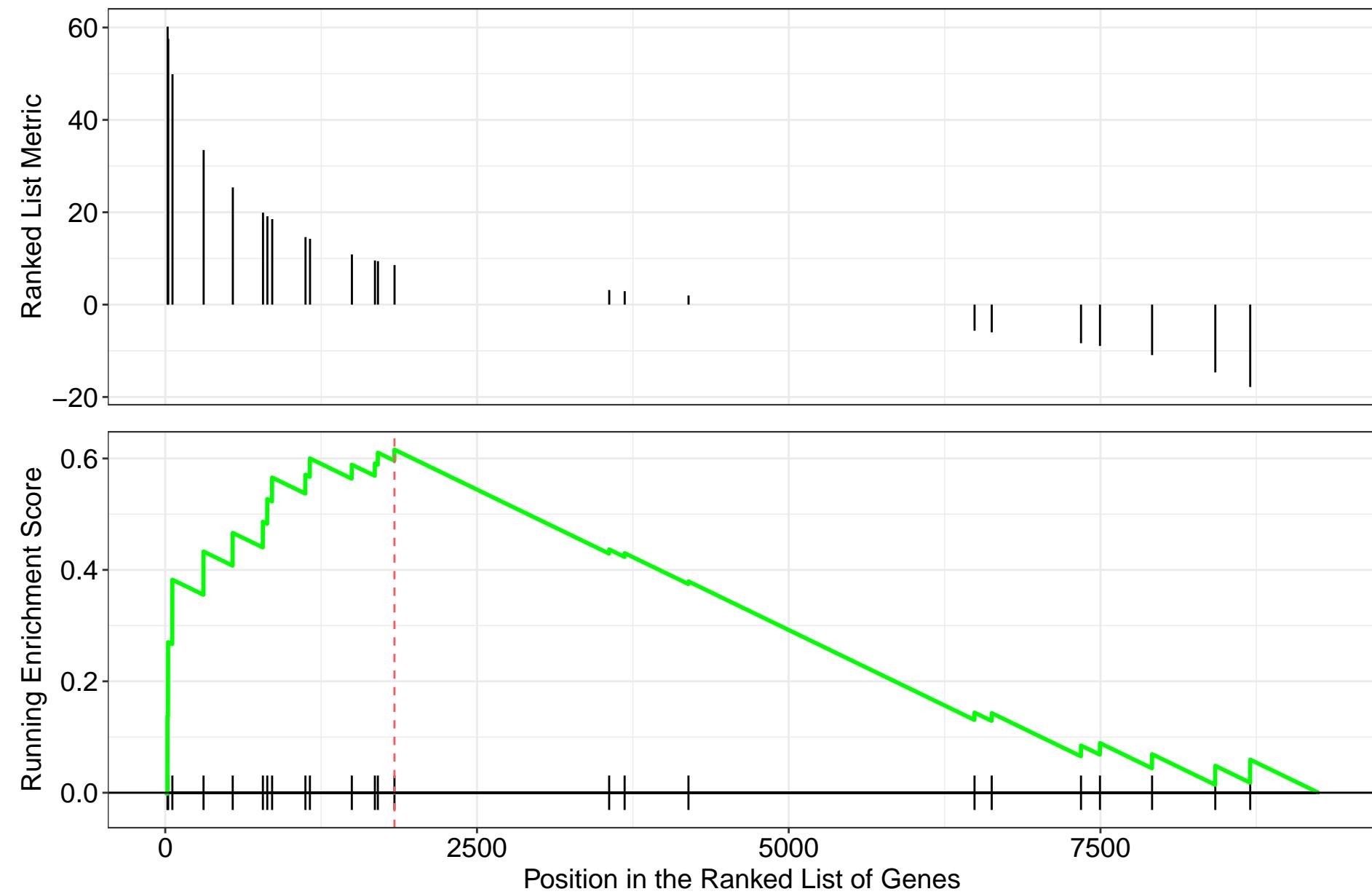
positive regulation of lipid localization



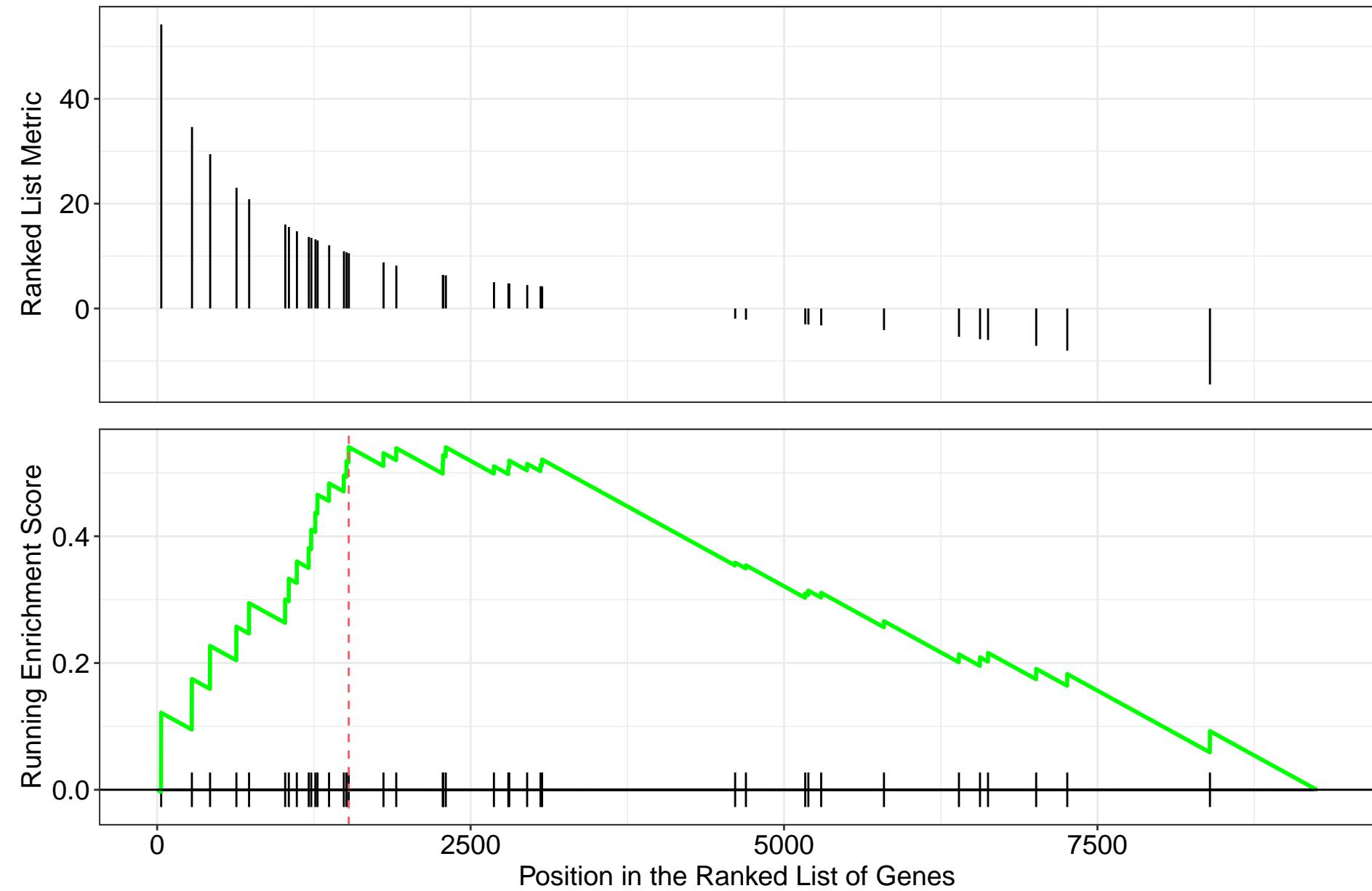
positive regulation of phosphatidylinositol 3-kinase activity



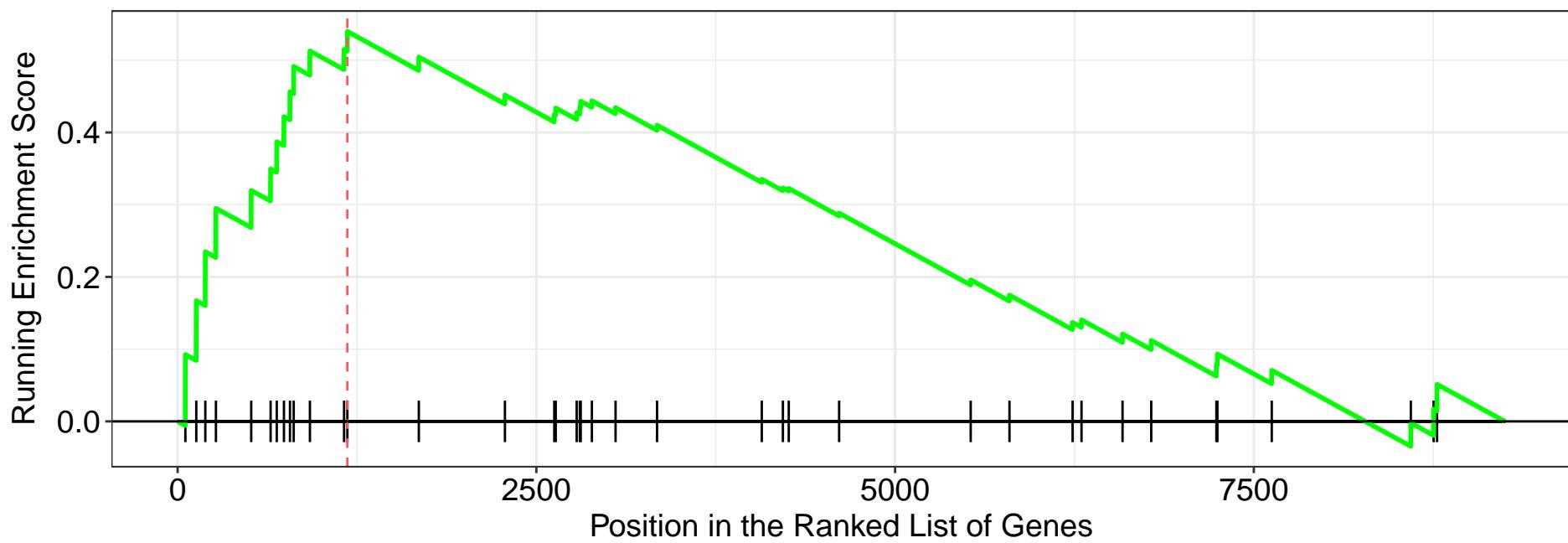
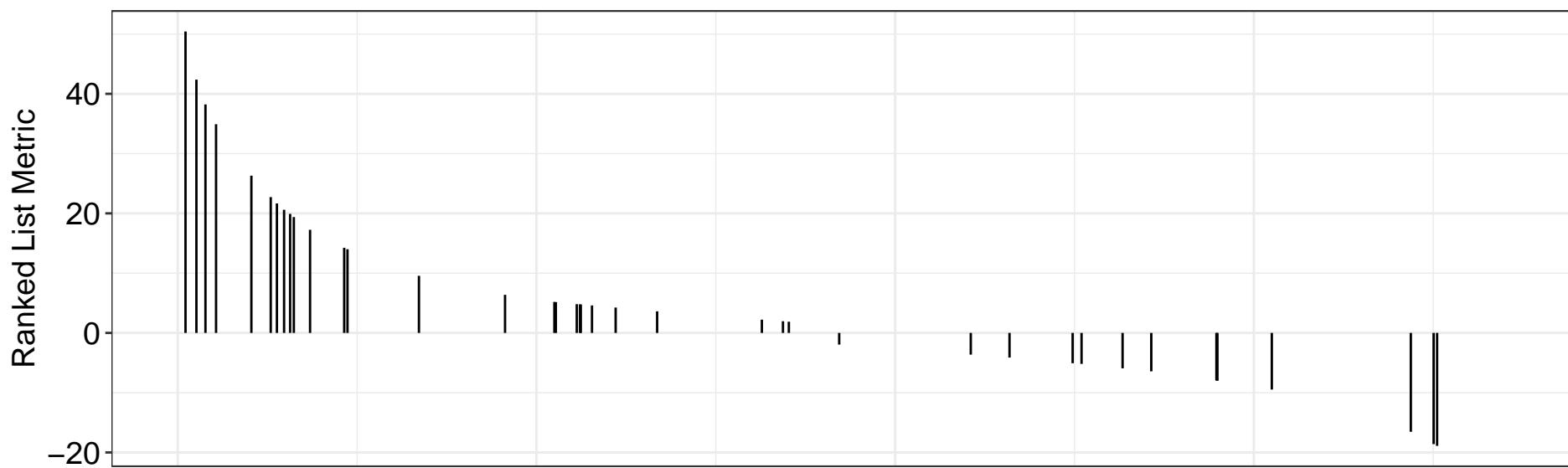
vascular endothelial growth factor signaling pathway



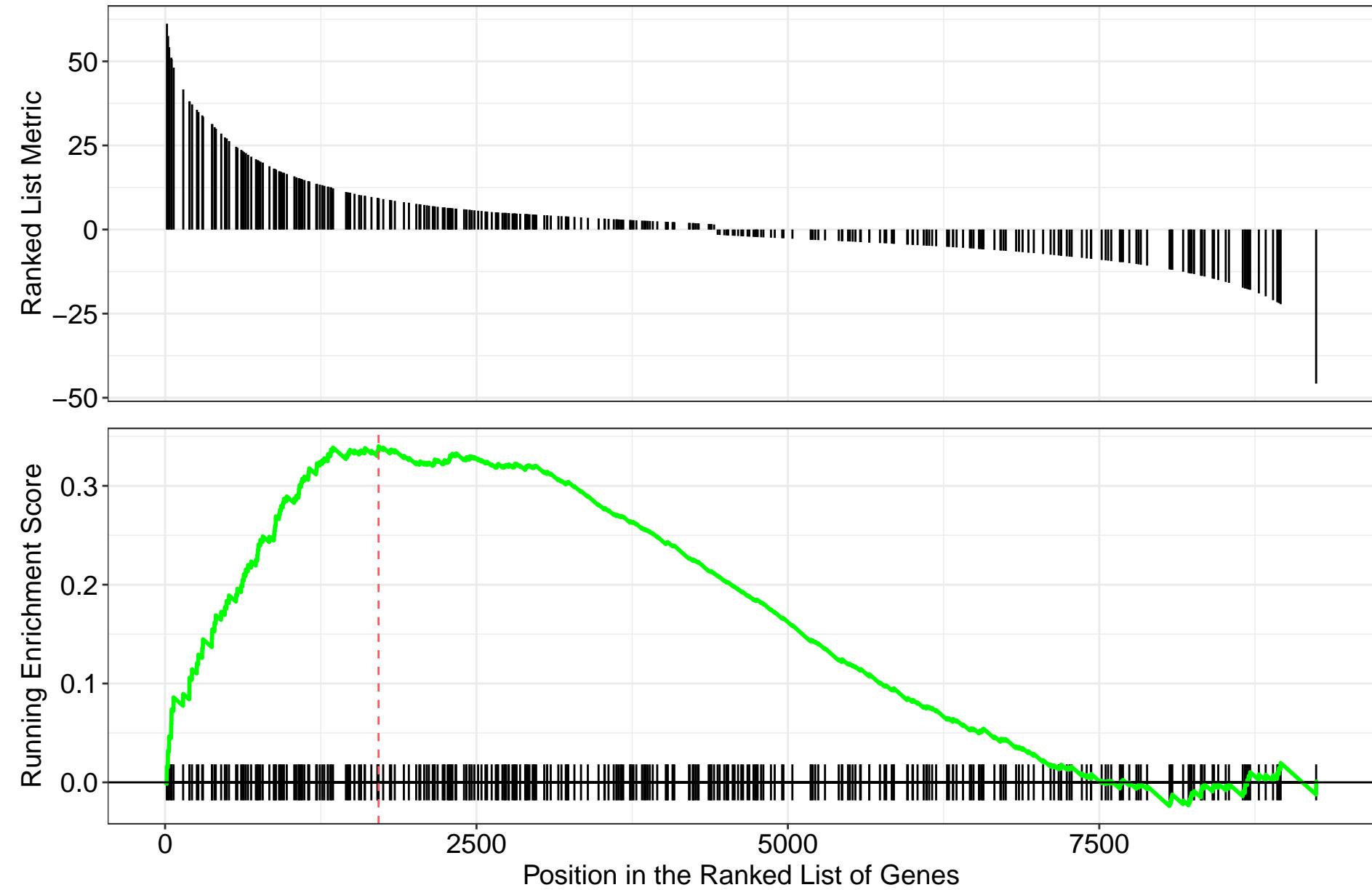
myeloid leukocyte cytokine production



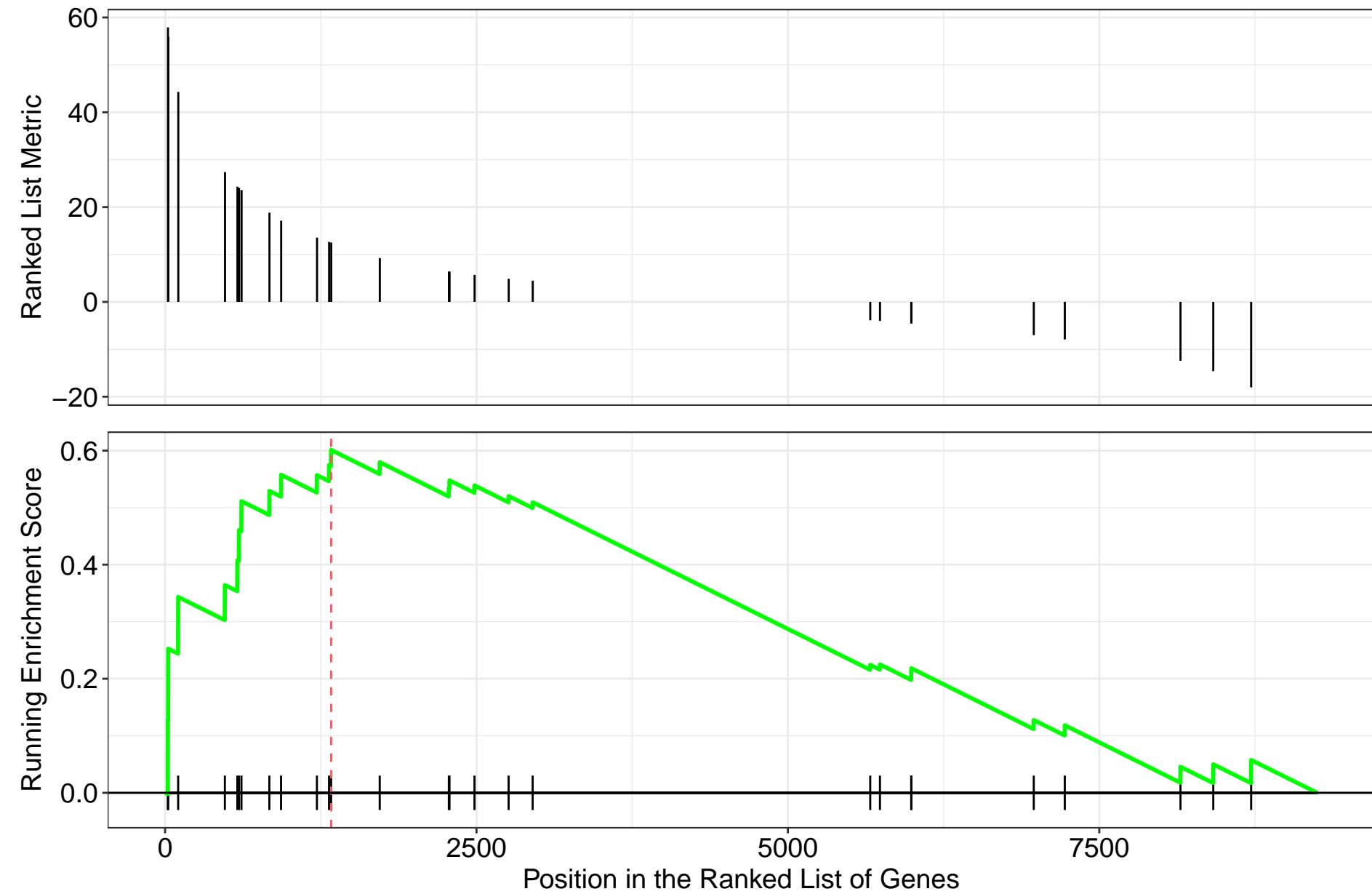
positive regulation of reactive oxygen species metabolic process



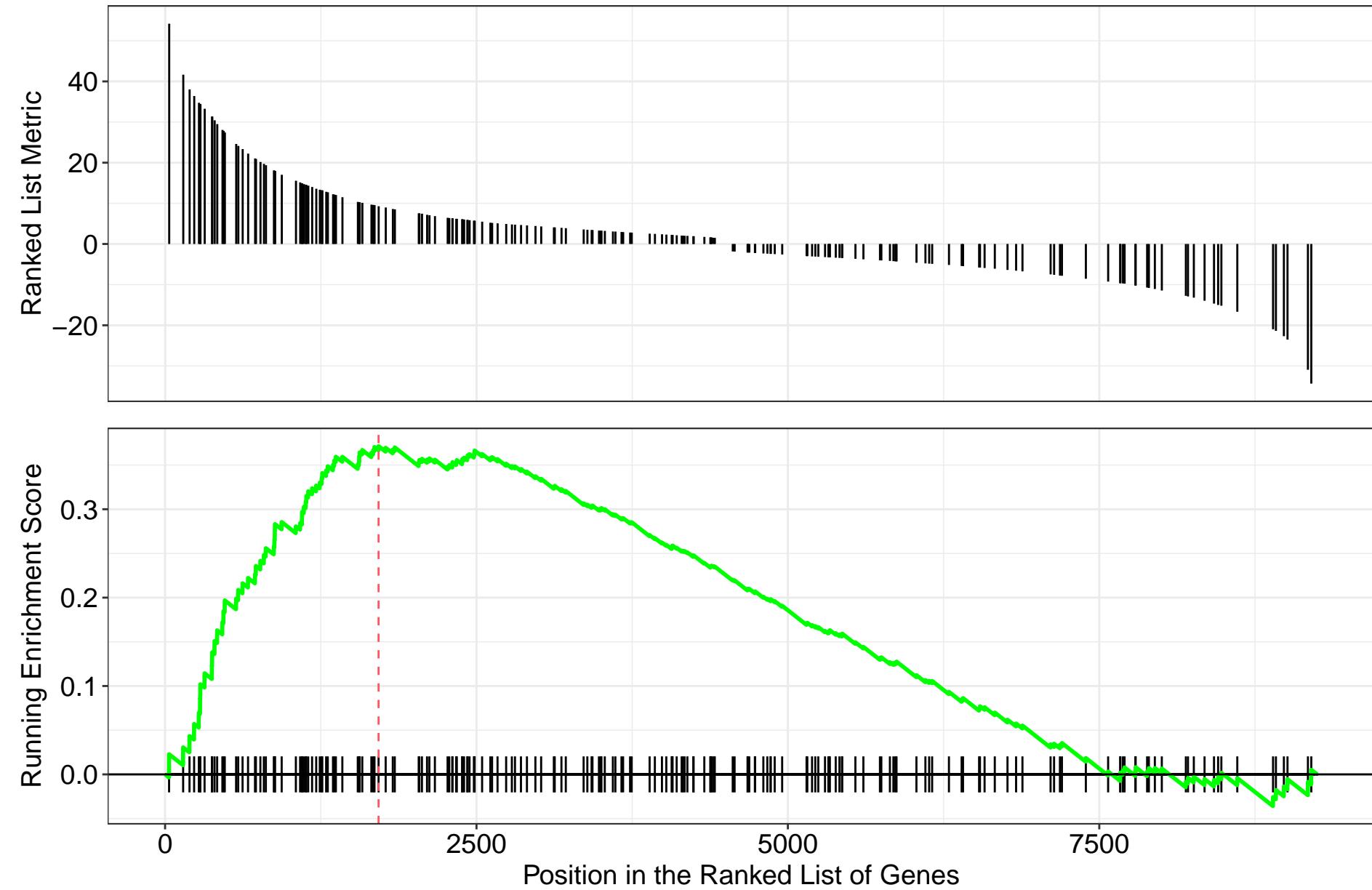
apoptotic signaling pathway



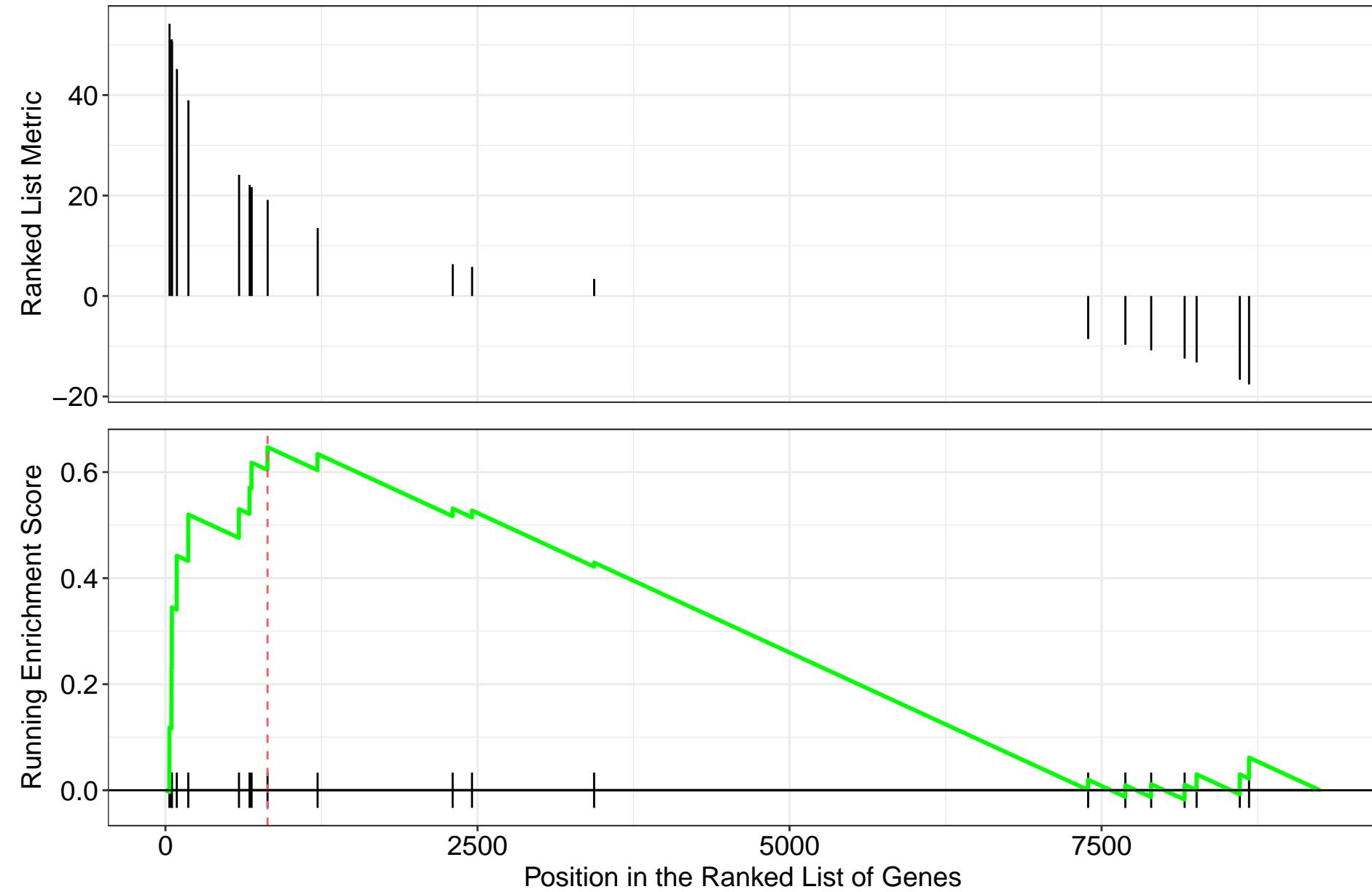
negative regulation of lymphocyte apoptotic process



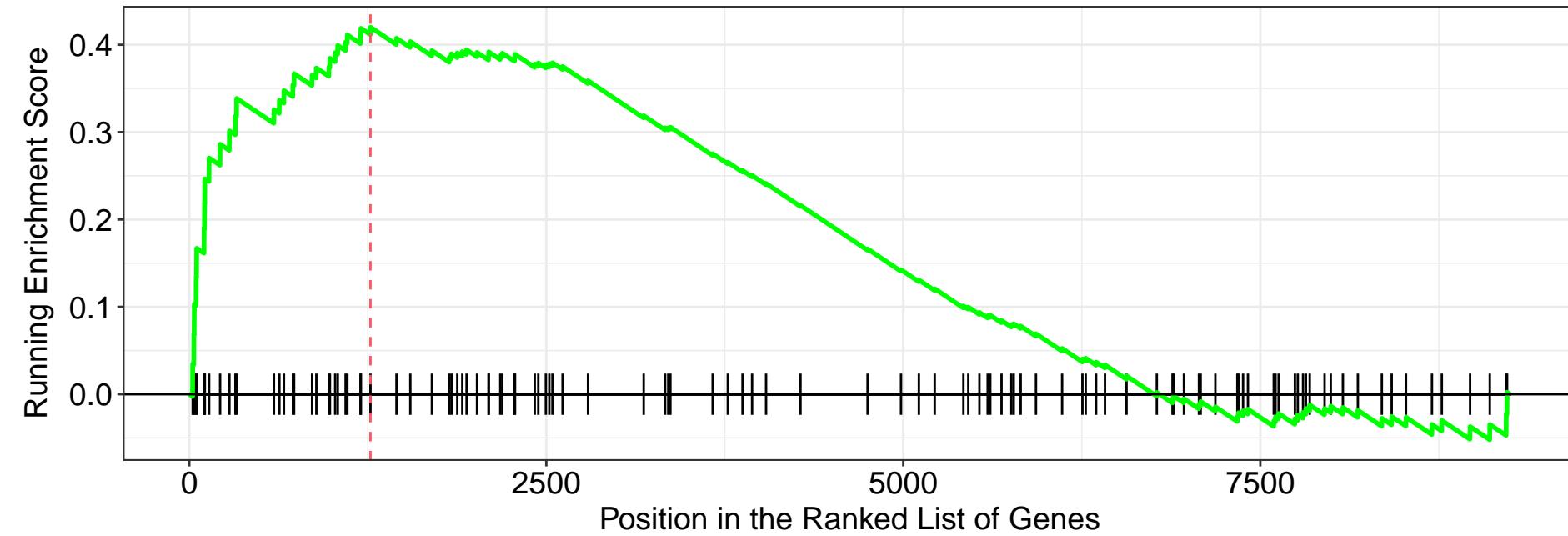
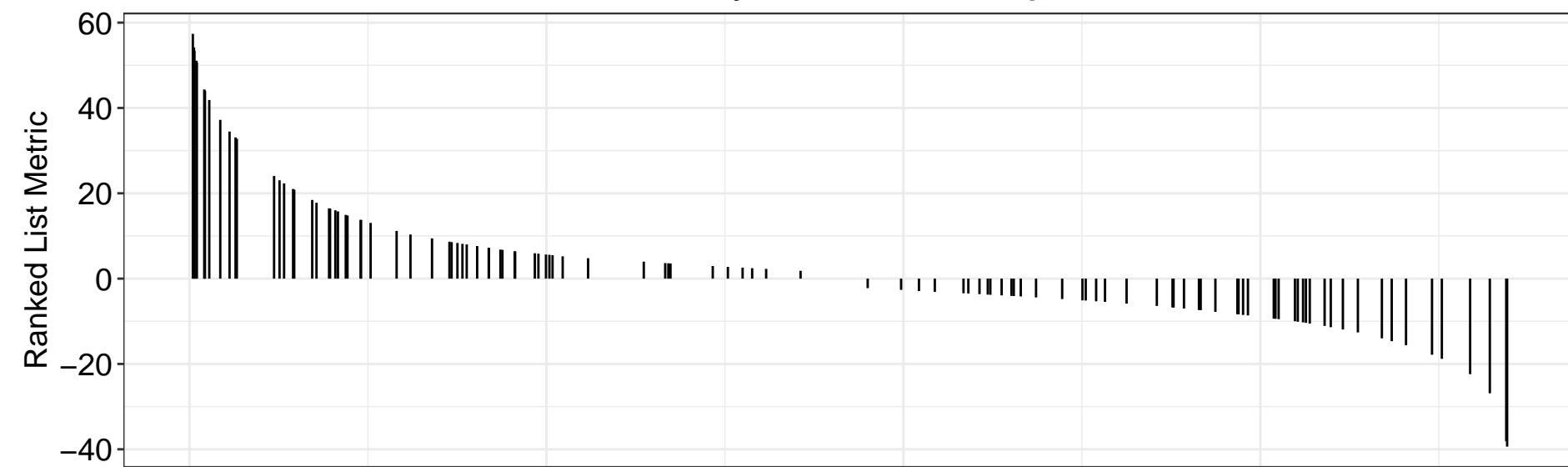
positive regulation of proteolysis



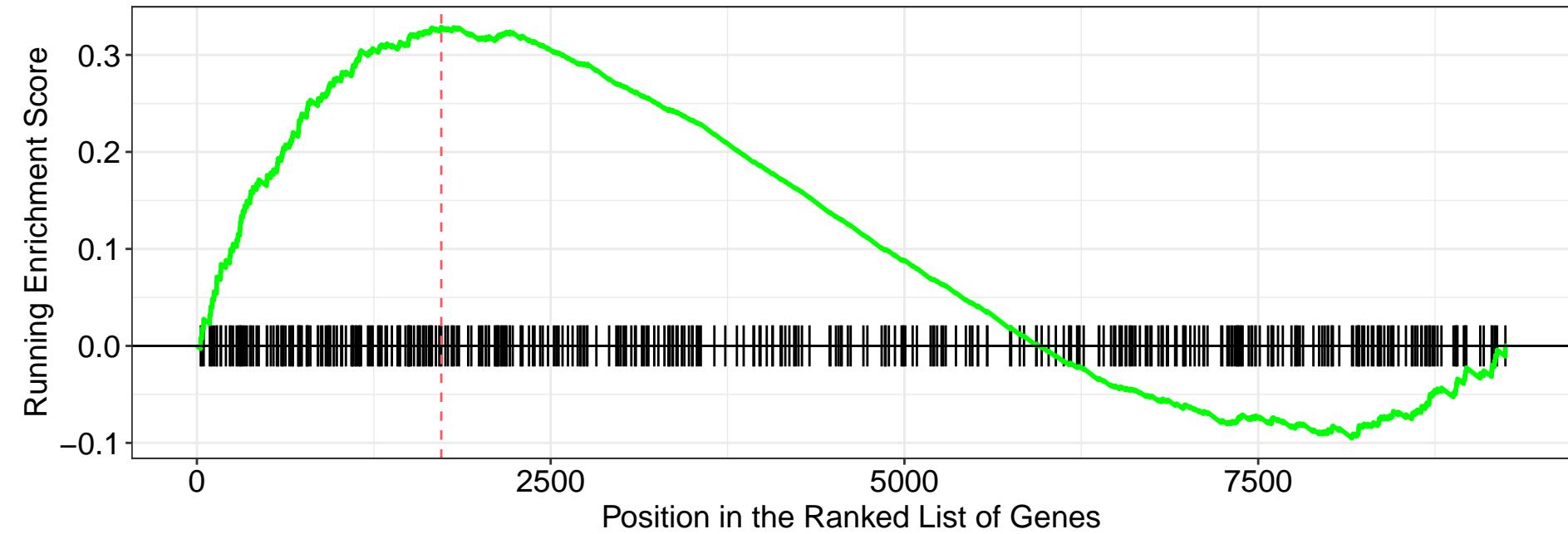
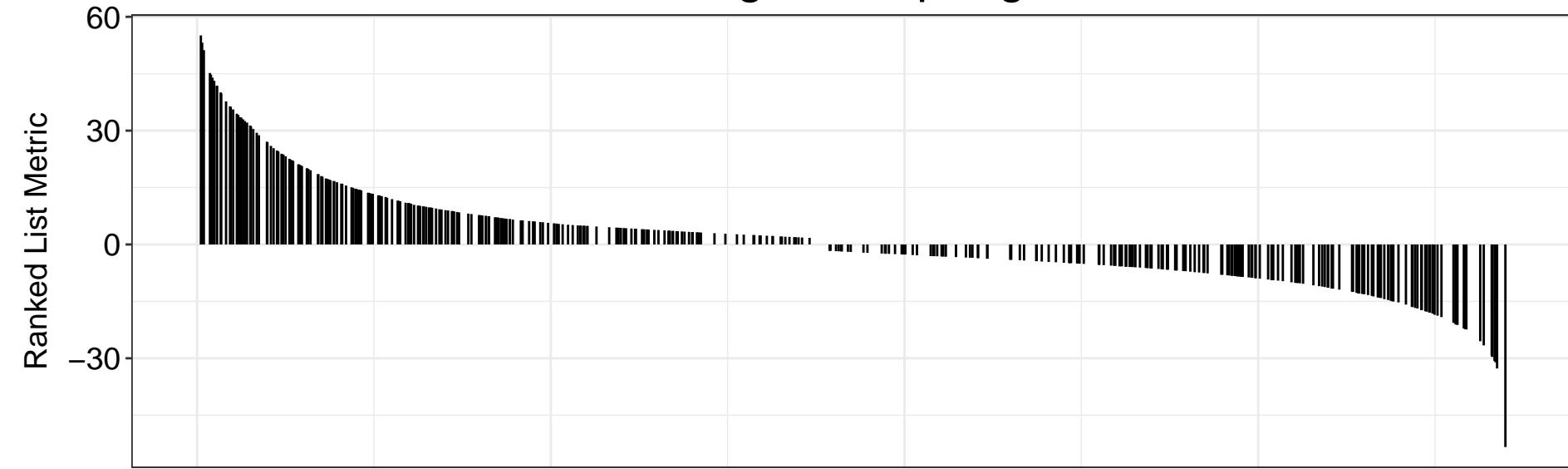
regulation of vascular endothelial growth factor production



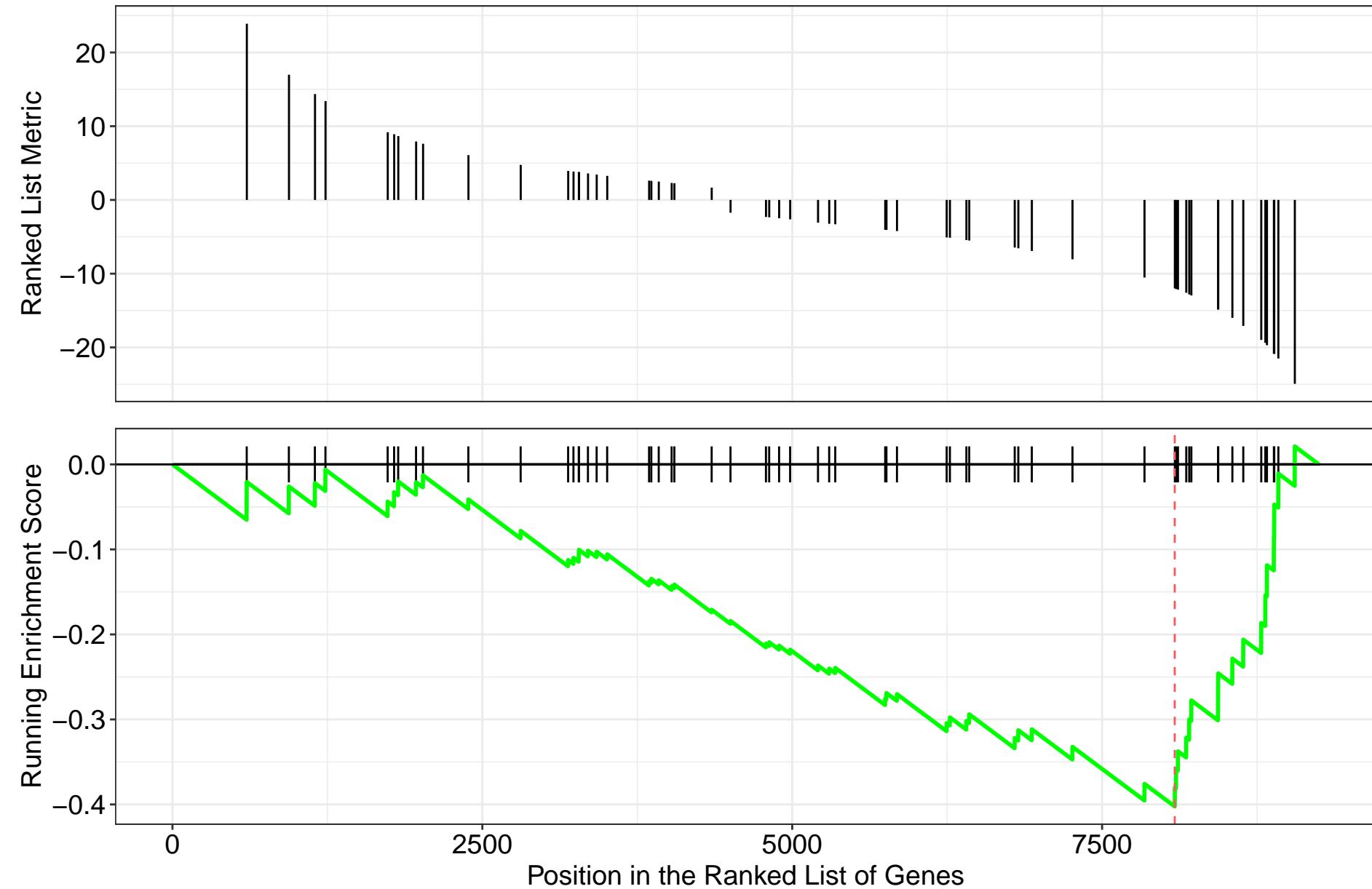
carboxylic acid transport



animal organ morphogenesis

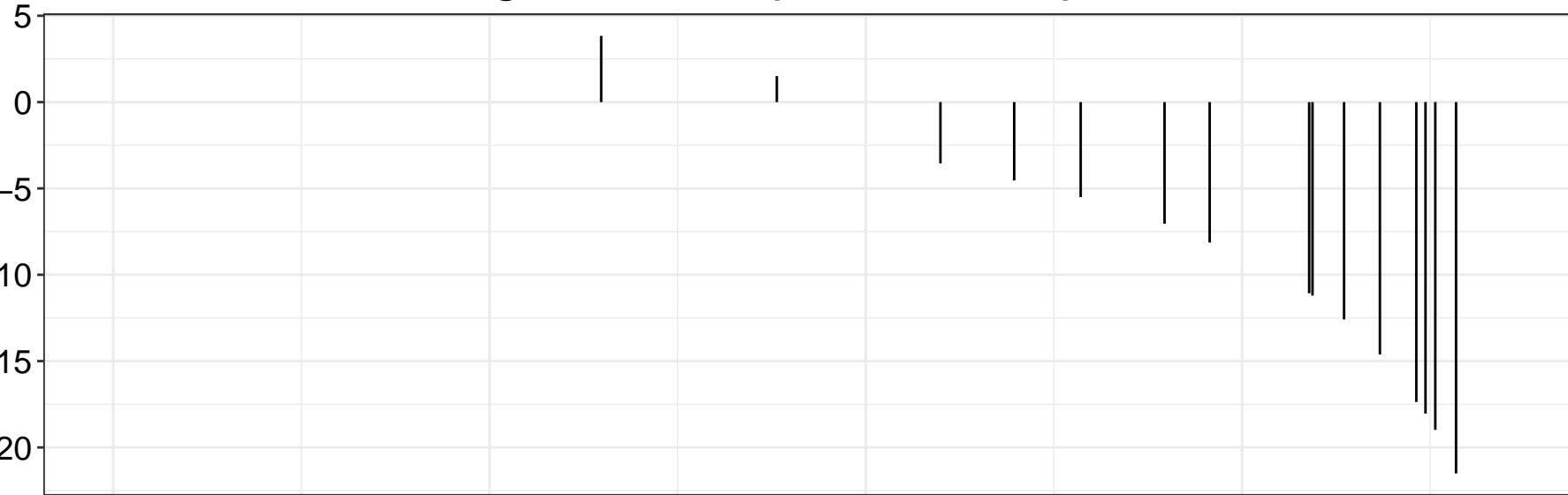


positive regulation of mitotic cell cycle phase transition



regulation of spindle checkpoint

Ranked List Metric

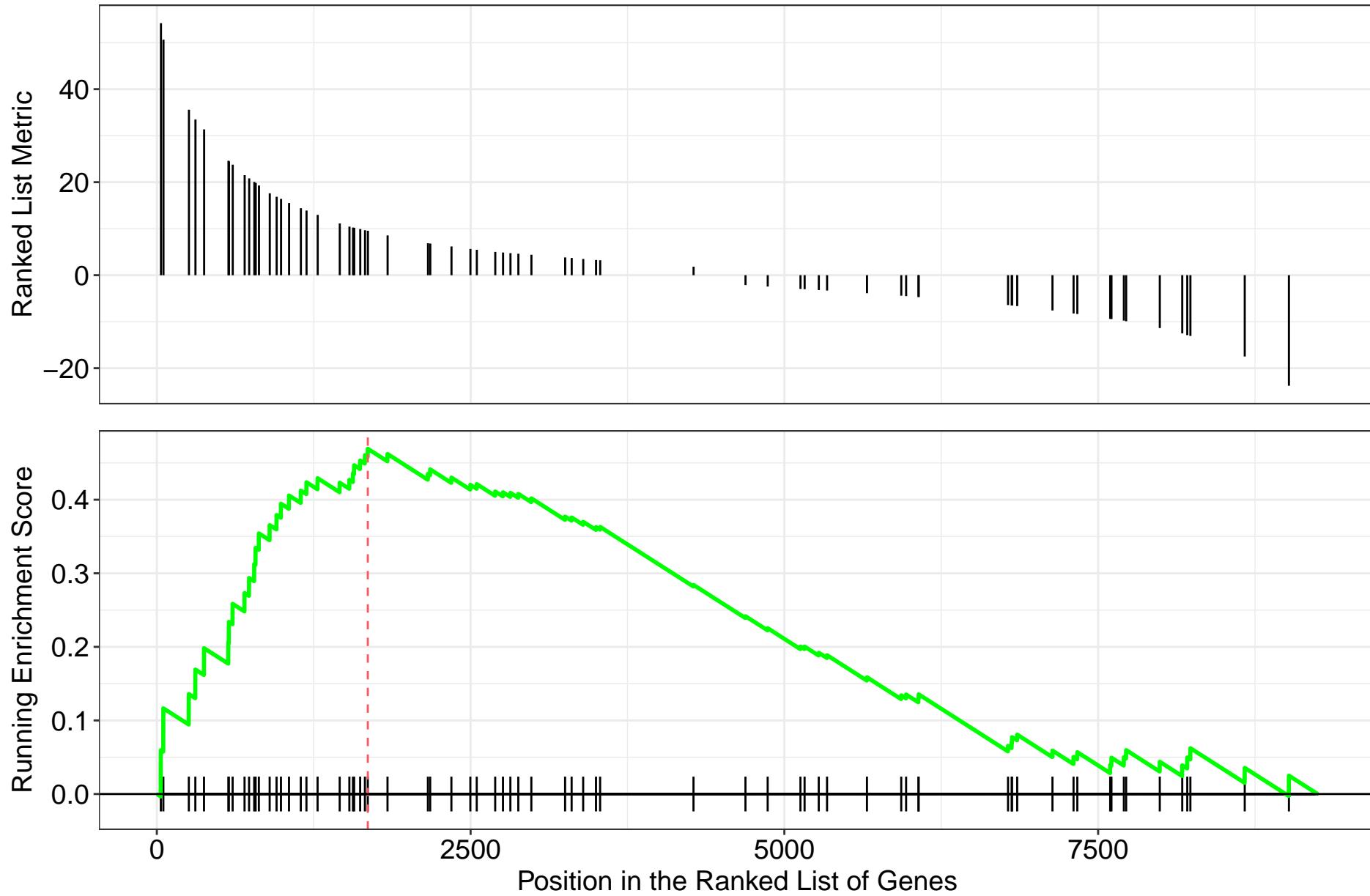


Running Enrichment Score

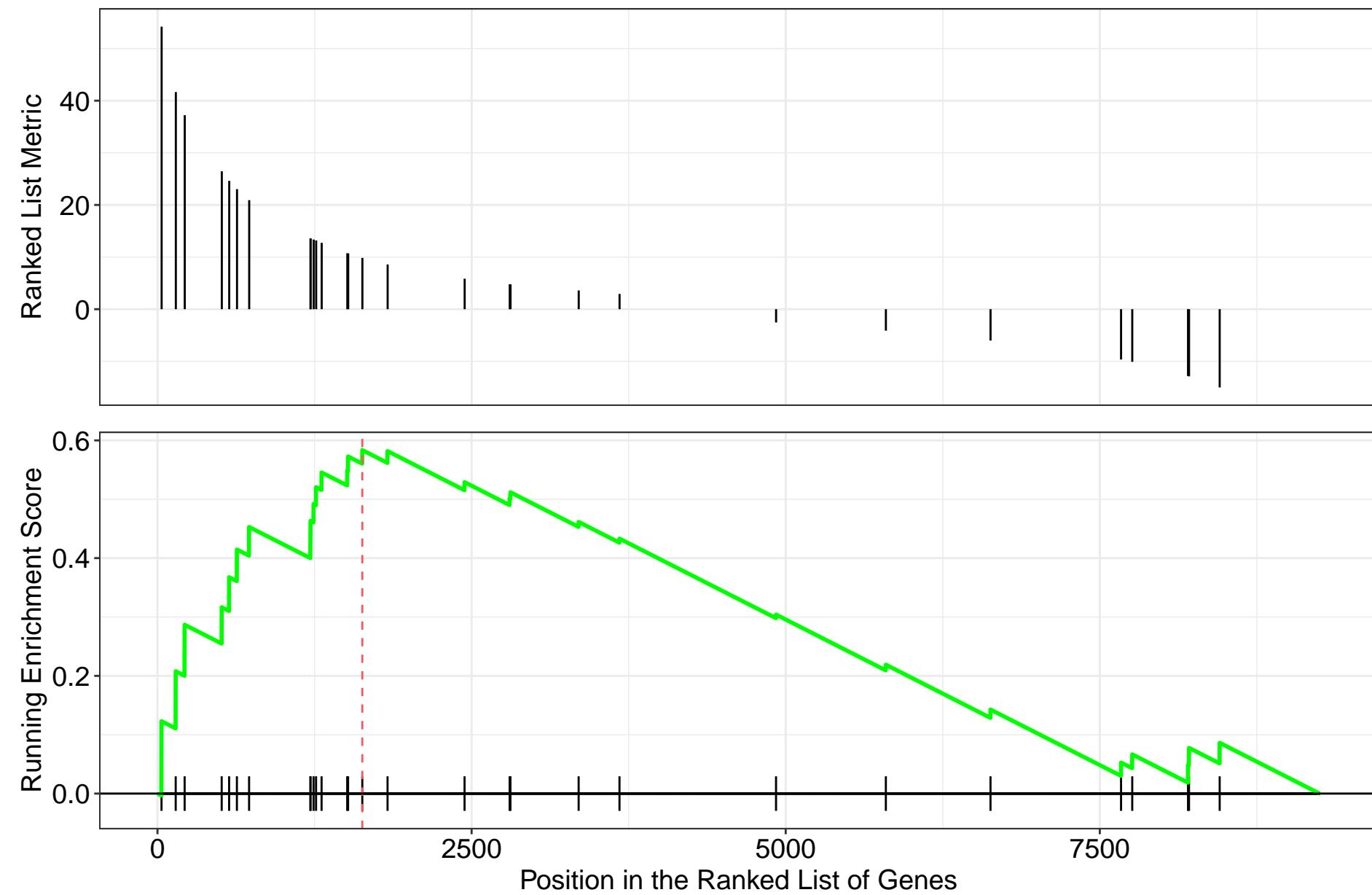
Position in the Ranked List of Genes



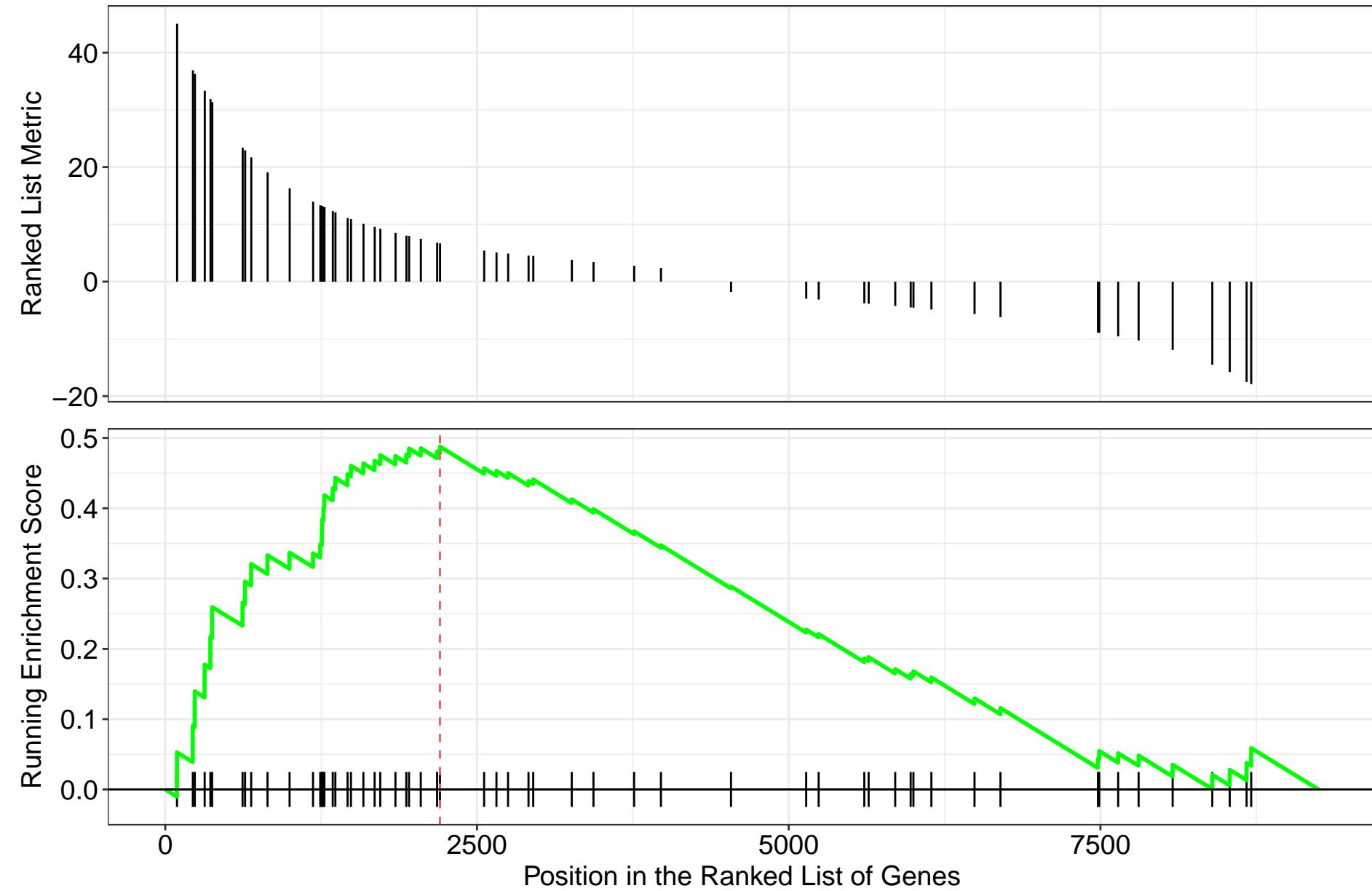
regulation of epithelial cell differentiation



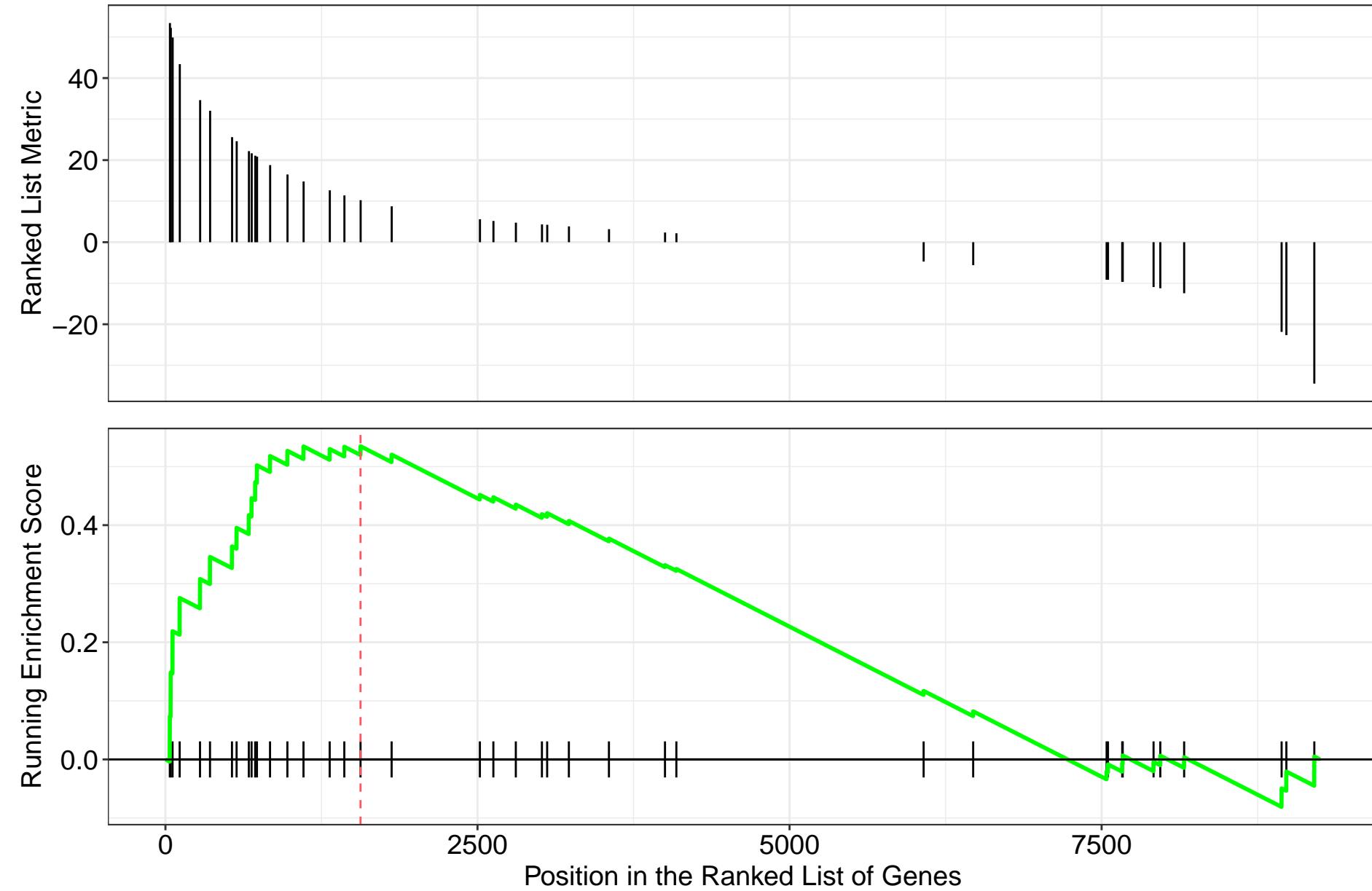
glial cell activation



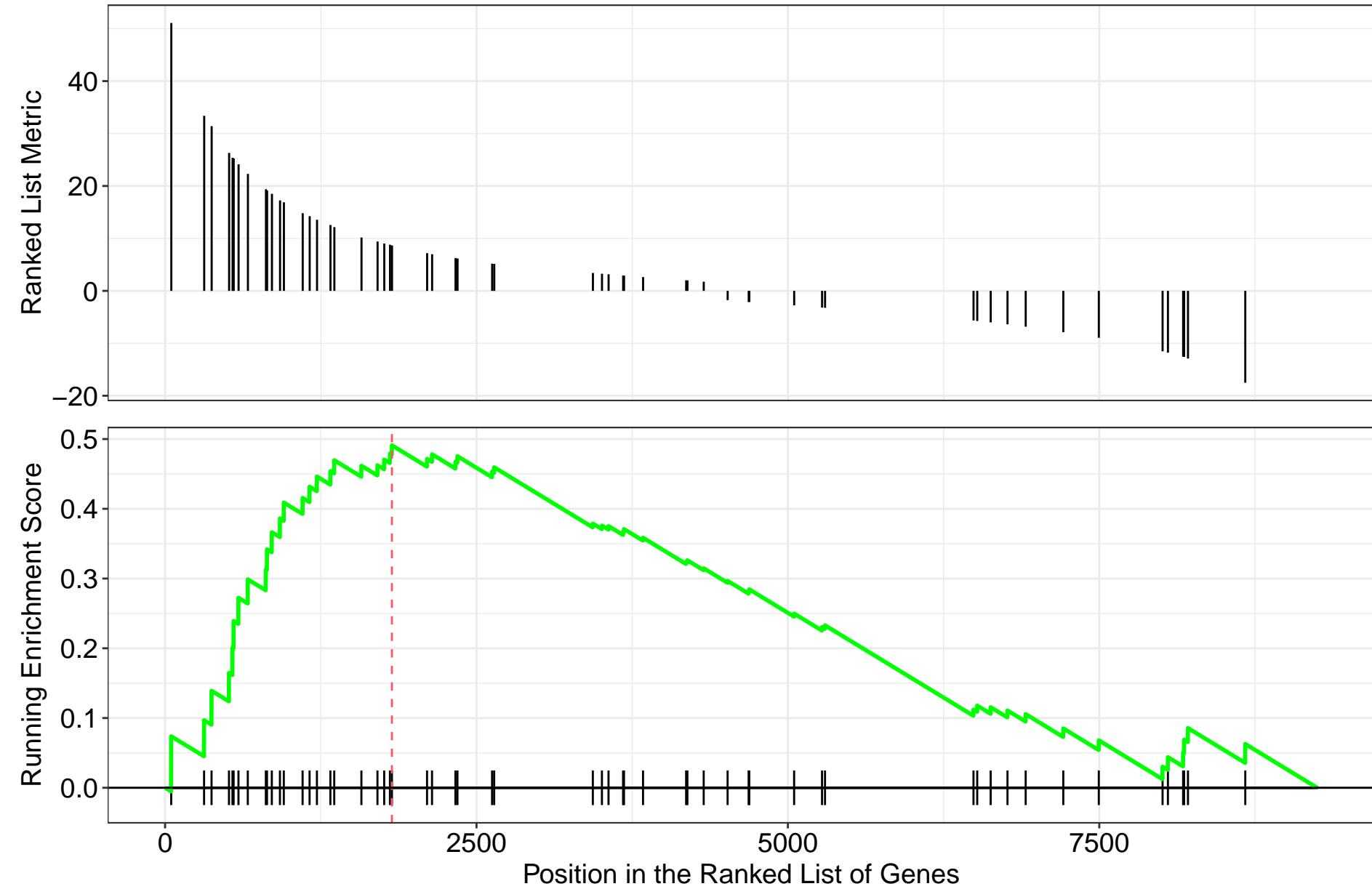
viral entry into host cell



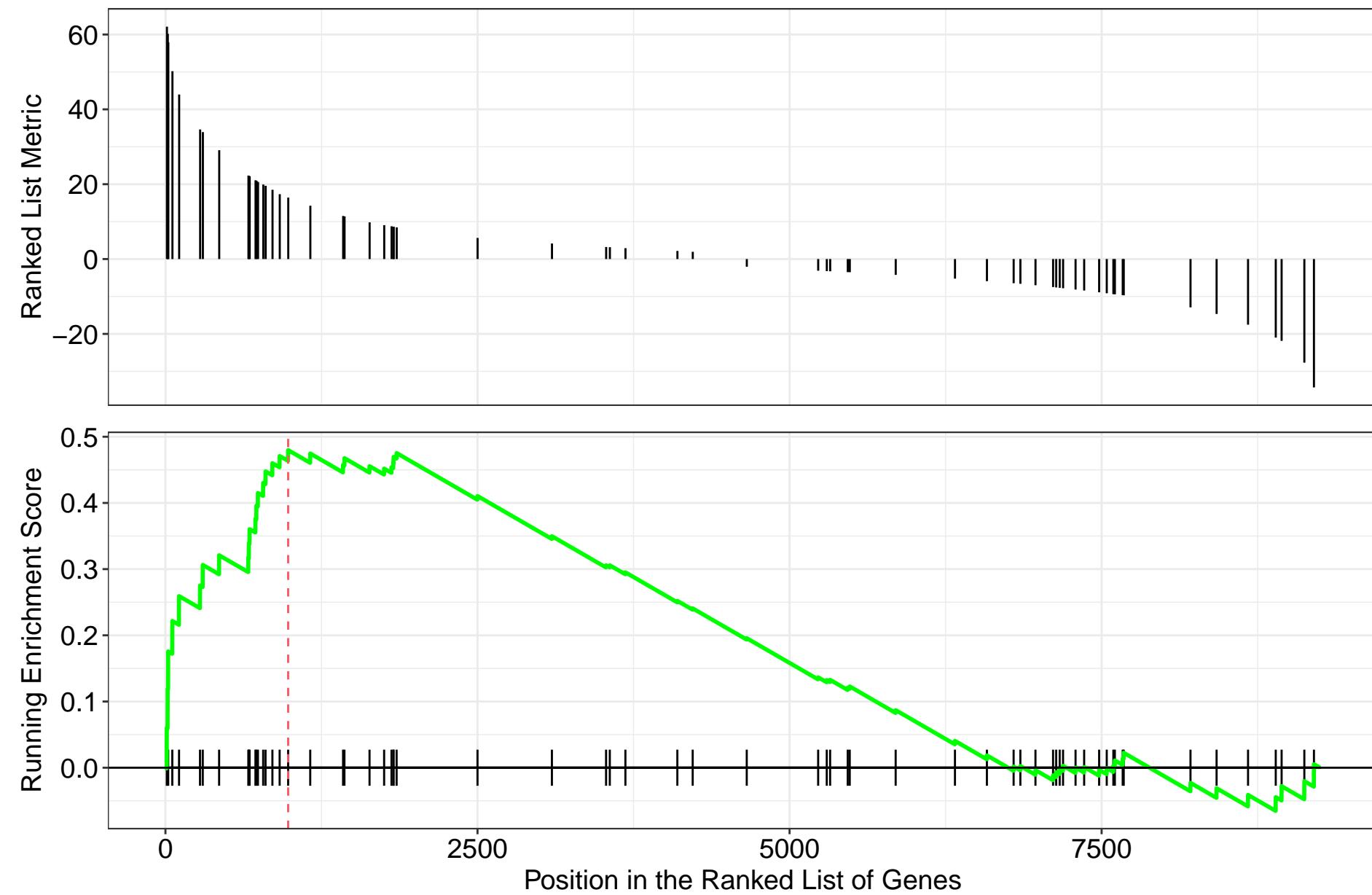
inflammatory response to antigenic stimulus



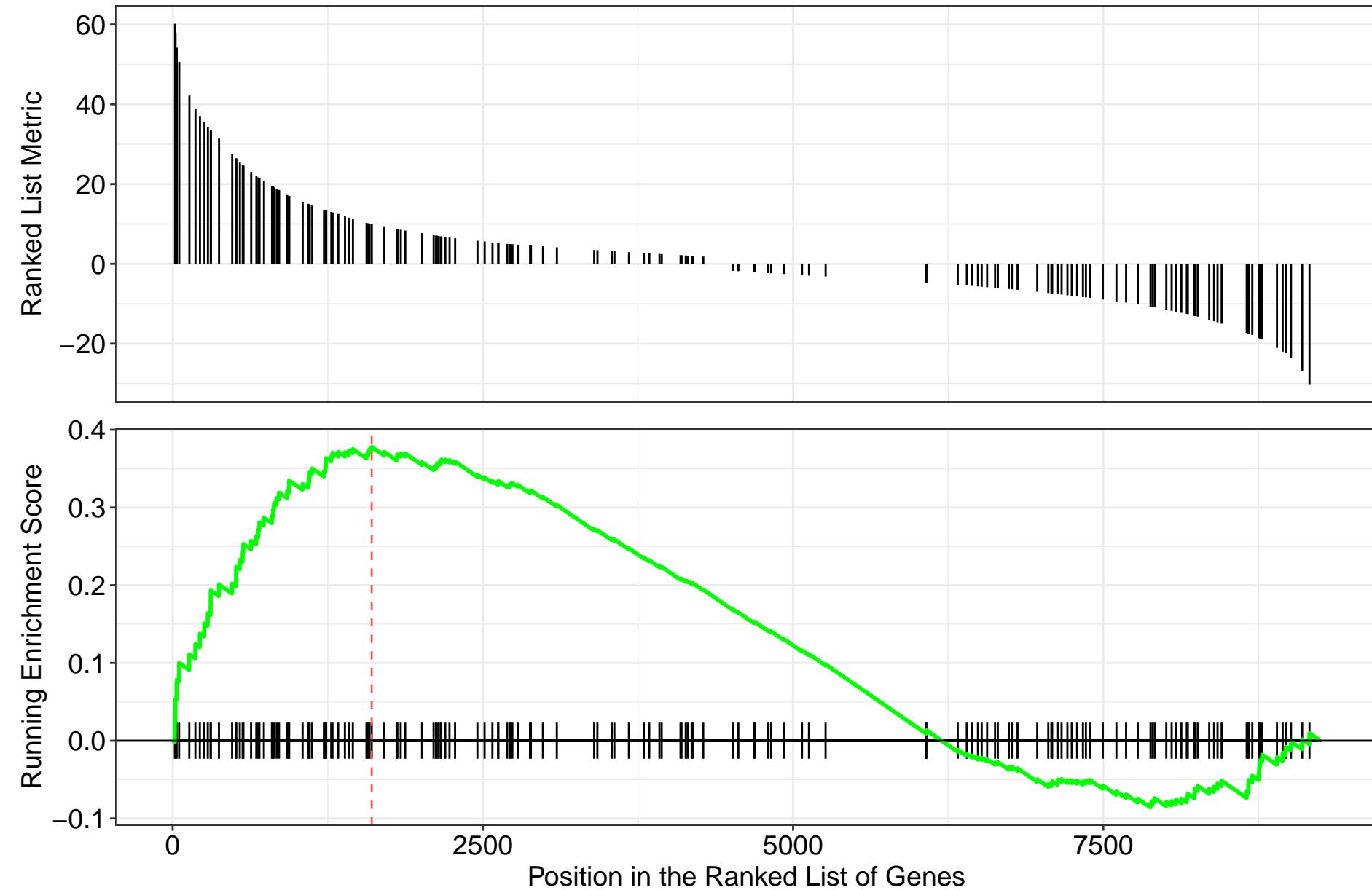
positive regulation of endothelial cell migration



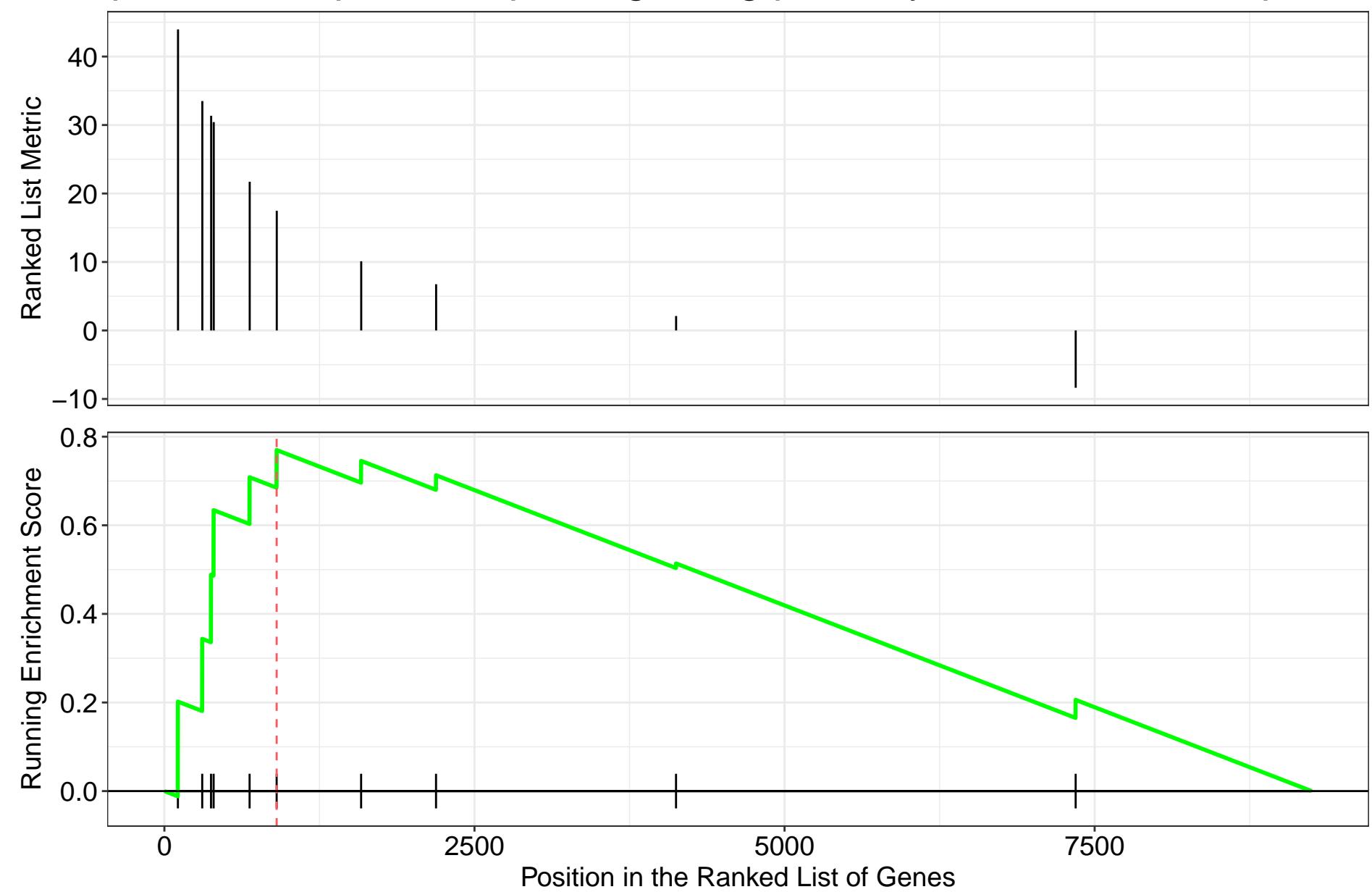
phosphatidylinositol 3-kinase signaling



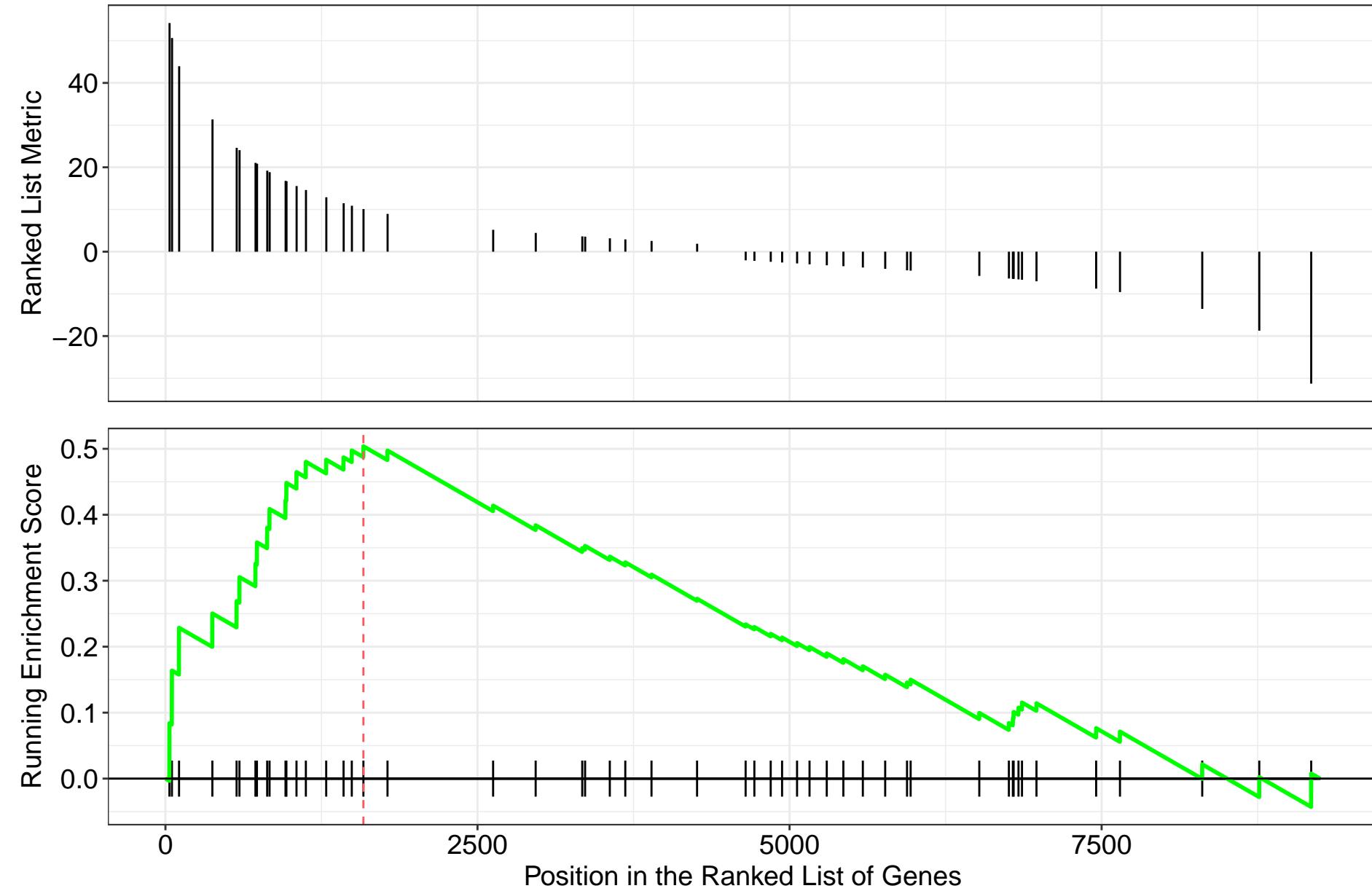
regulation of vasculature development



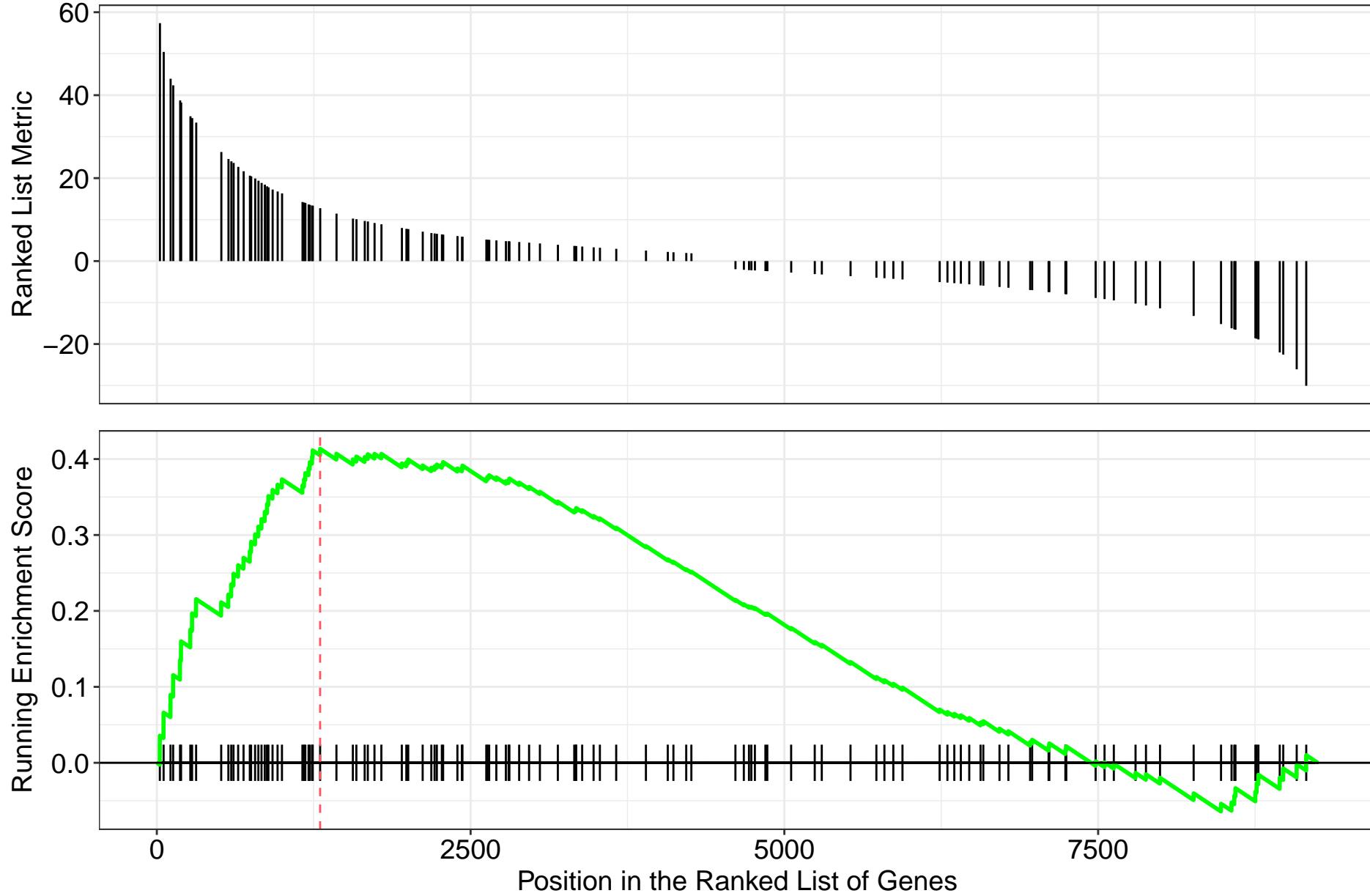
G protein-coupled receptor signaling pathway involved in heart processes



regulation of oxidoreductase activity

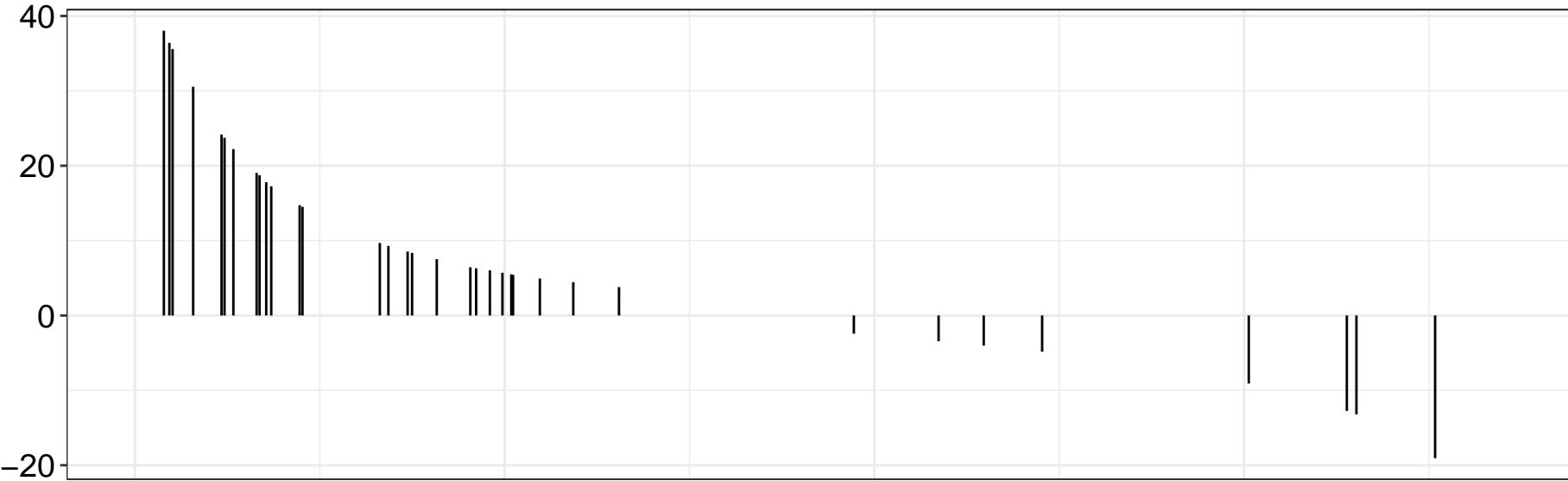


reactive oxygen species metabolic process



zymogen activation

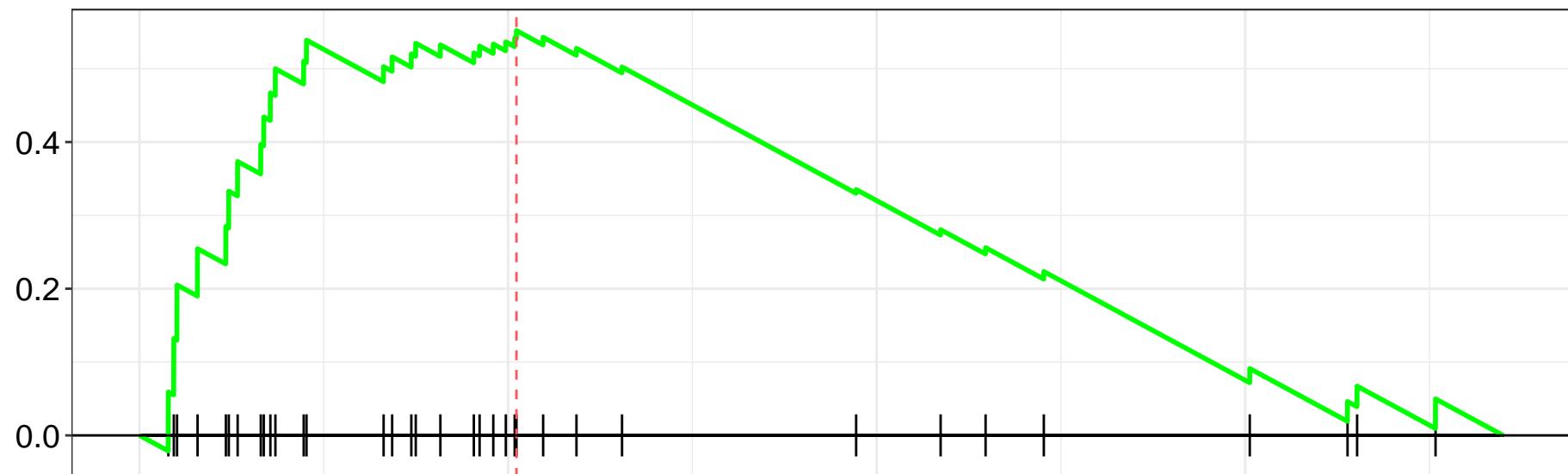
Ranked List Metric



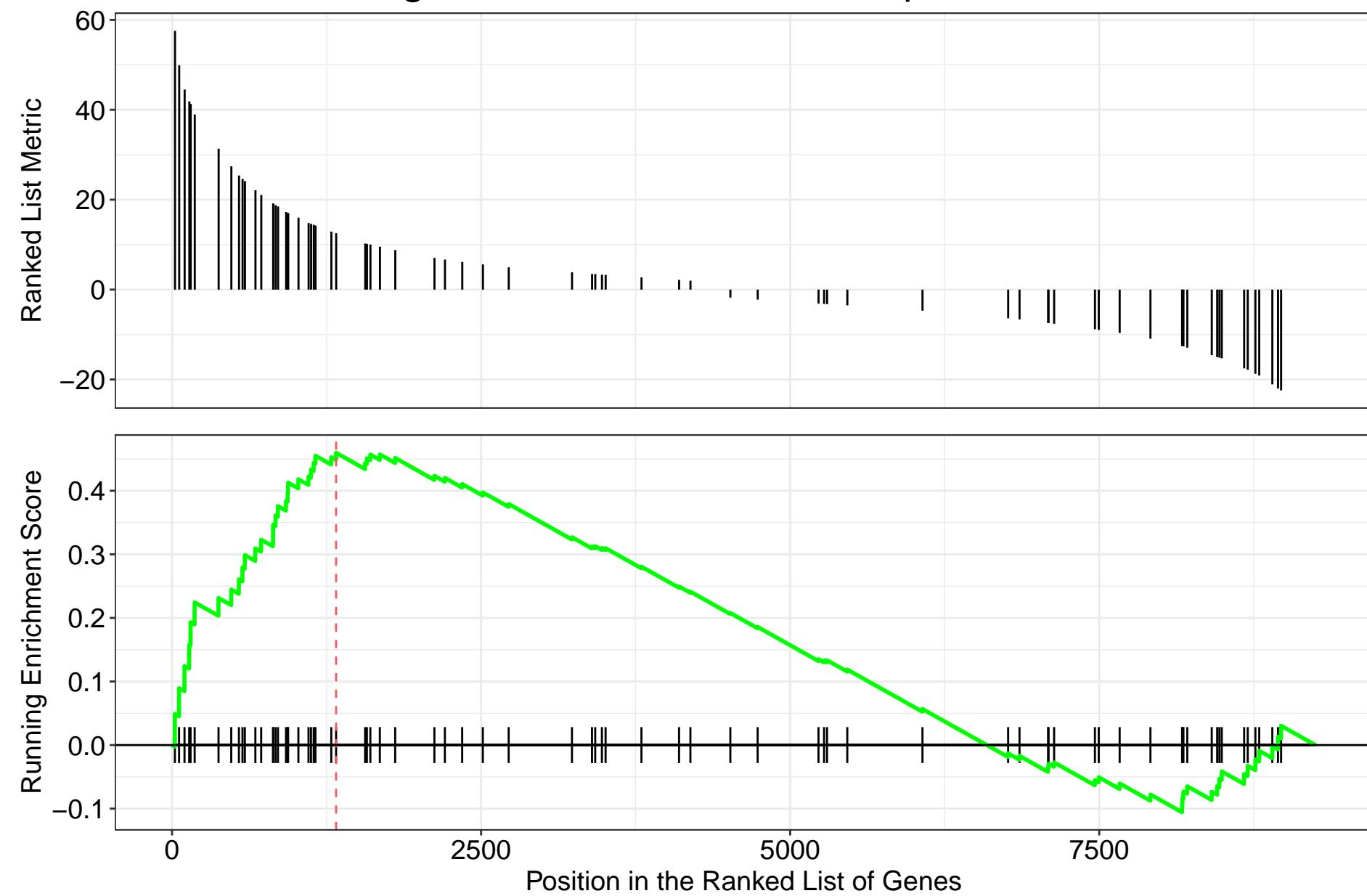
Running Enrichment Score

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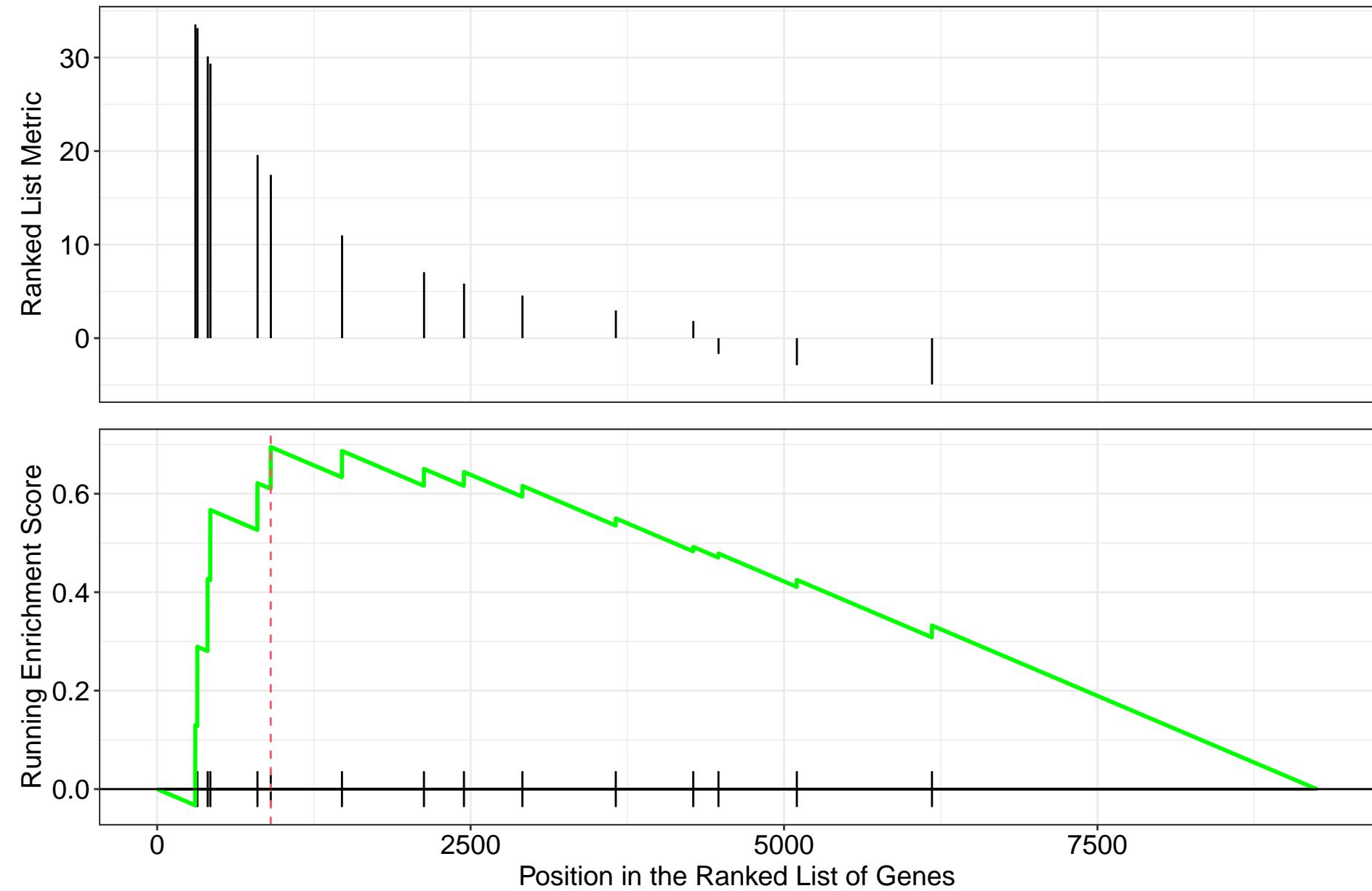
Position in the Ranked List of Genes



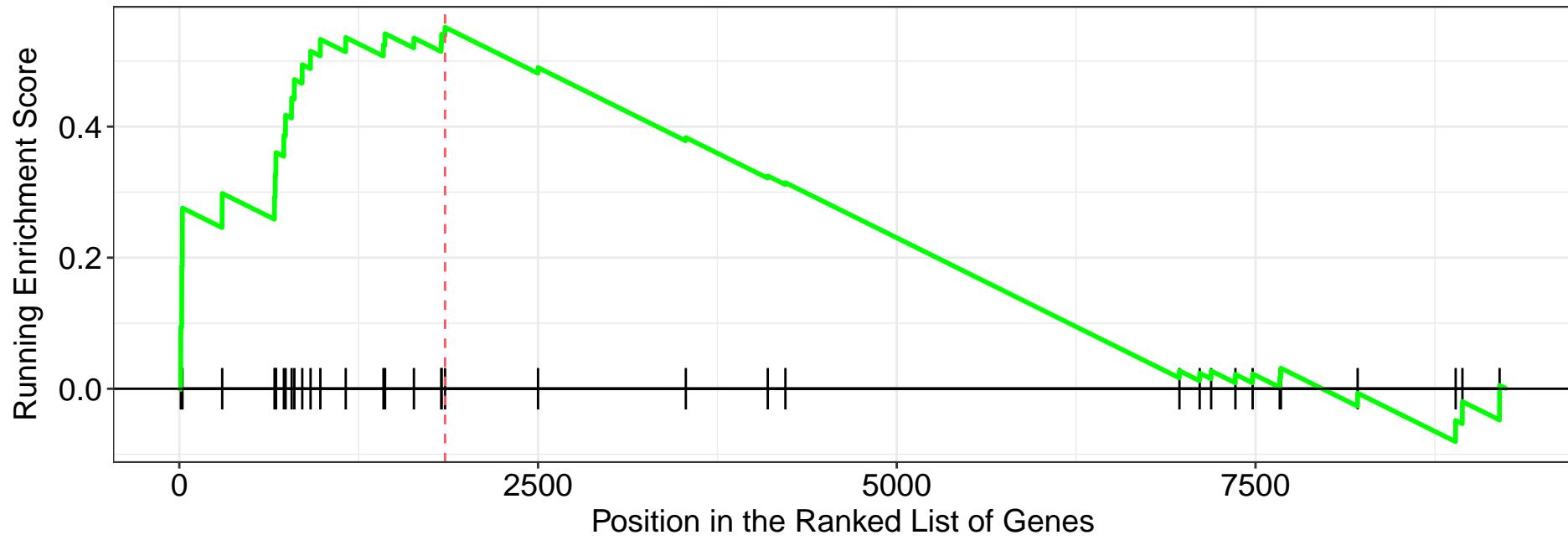
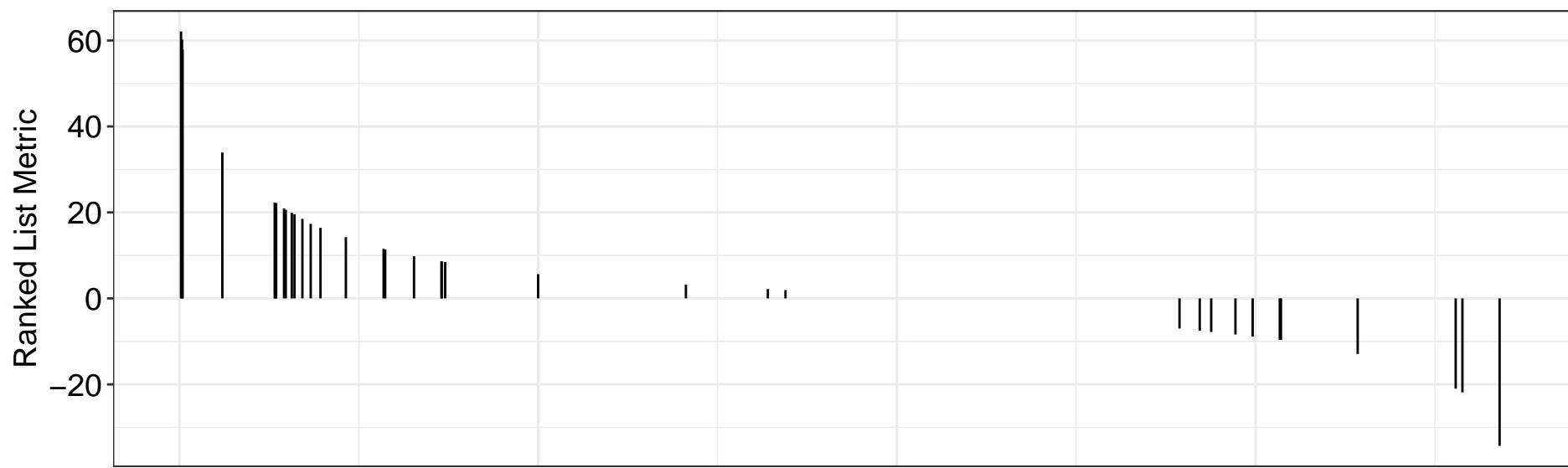
regulation of endothelial cell proliferation



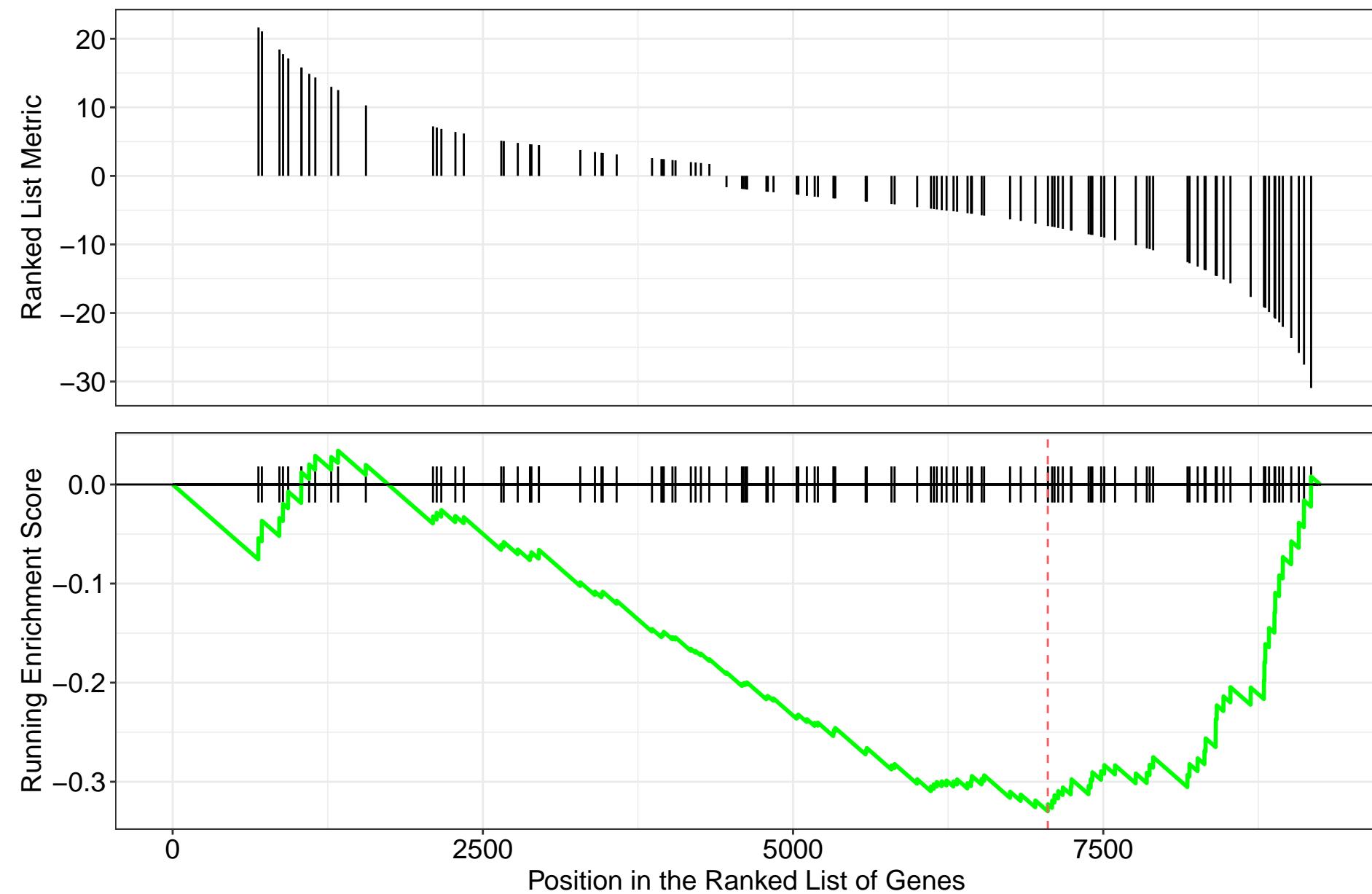
endoderm formation



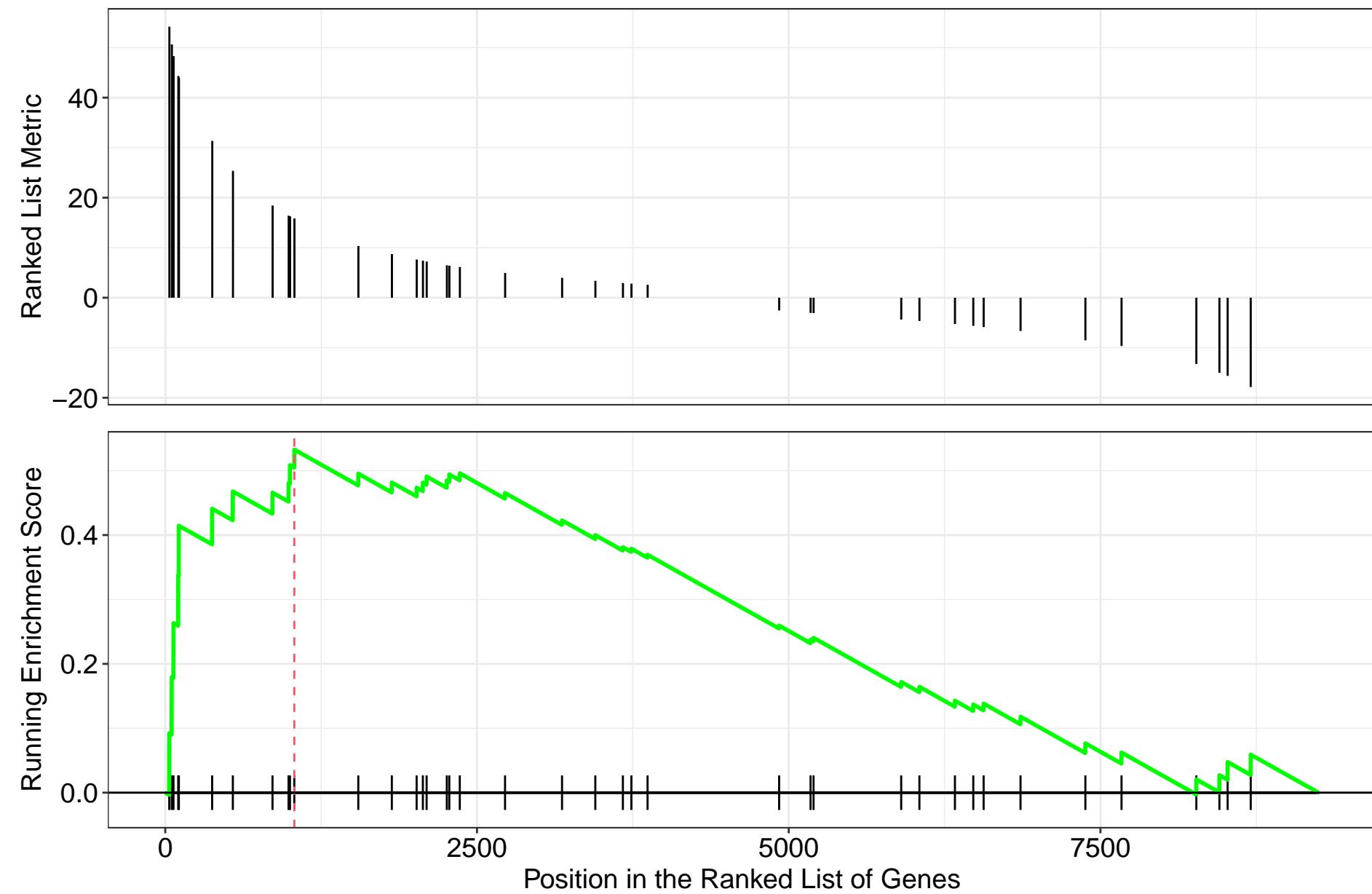
positive regulation of phosphatidylinositol 3-kinase signaling



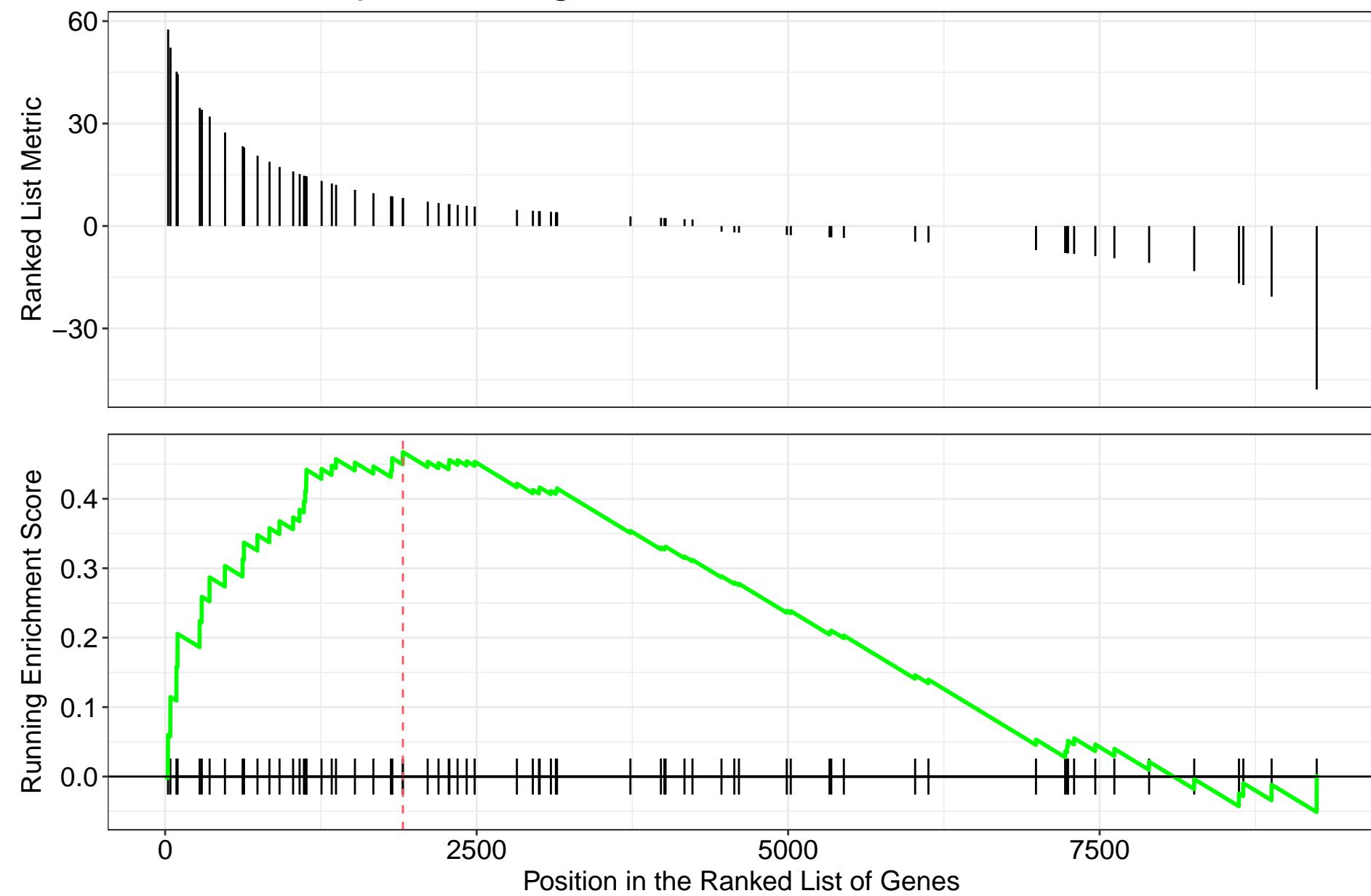
signal transduction in response to DNA damage



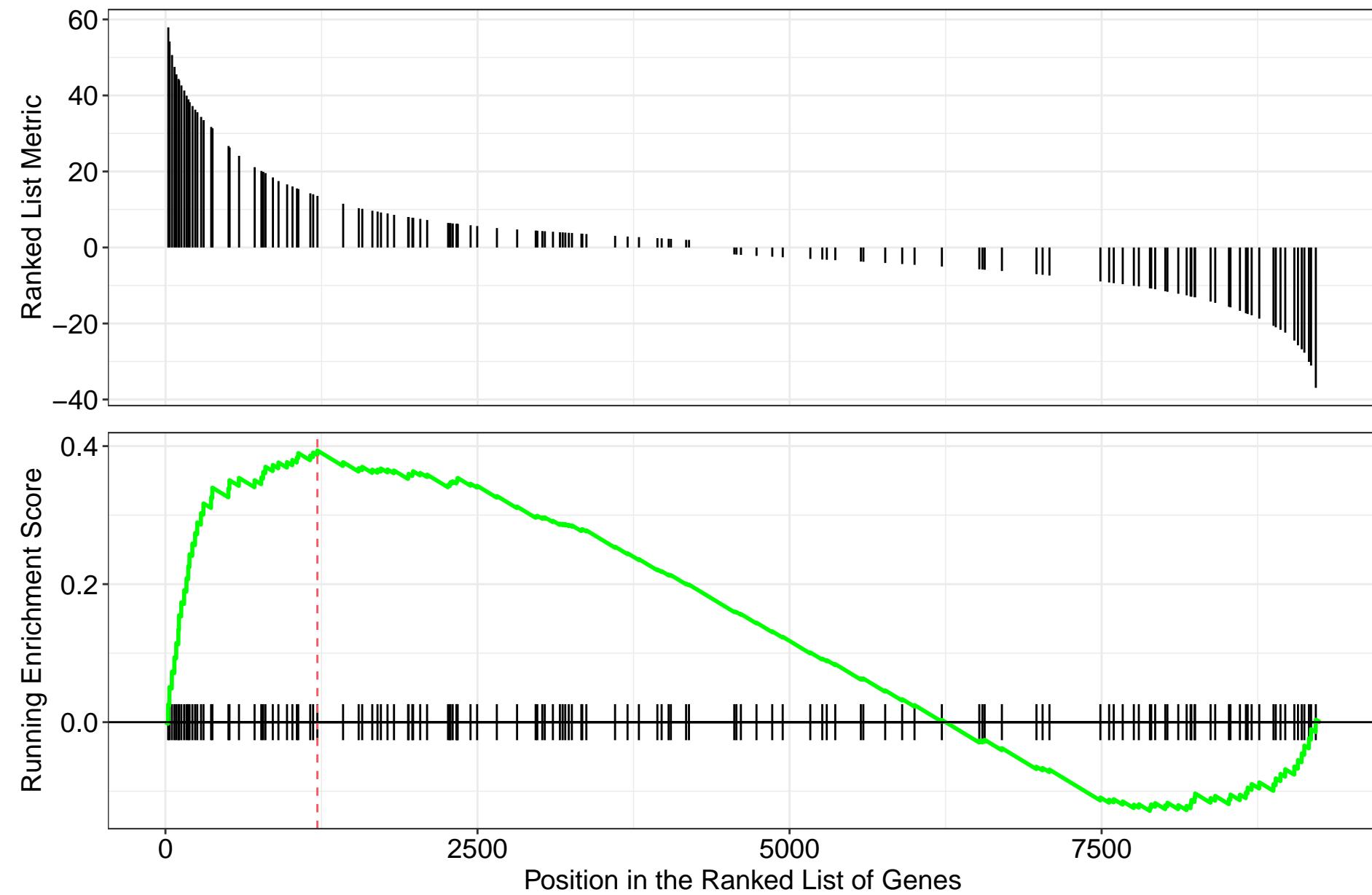
positive regulation of lipid transport



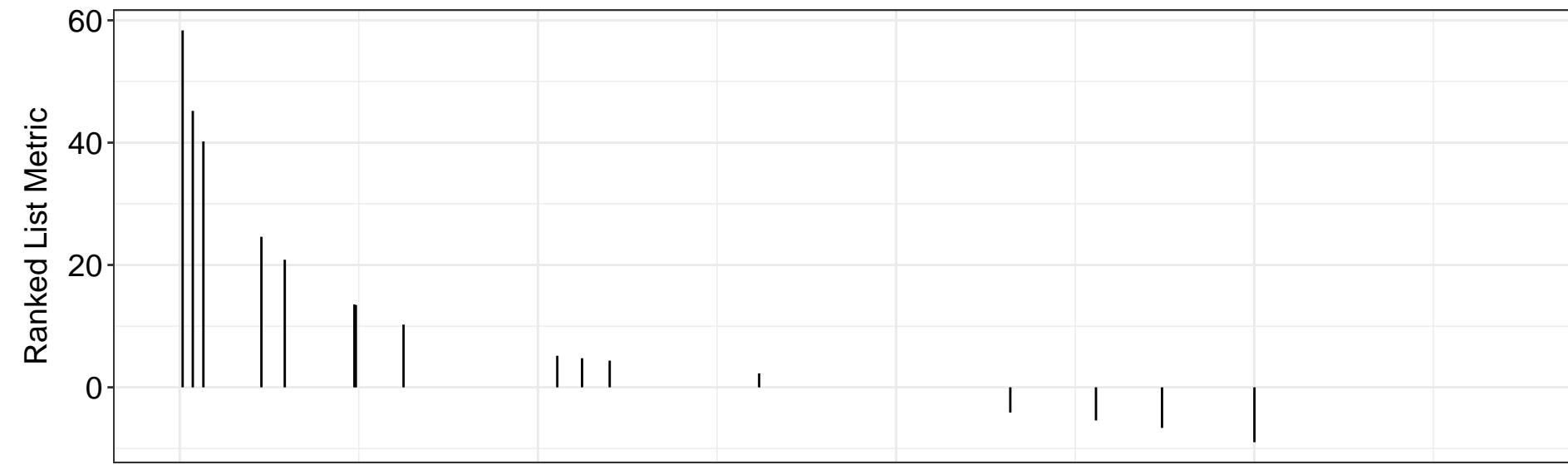
positive regulation of T cell differentiation



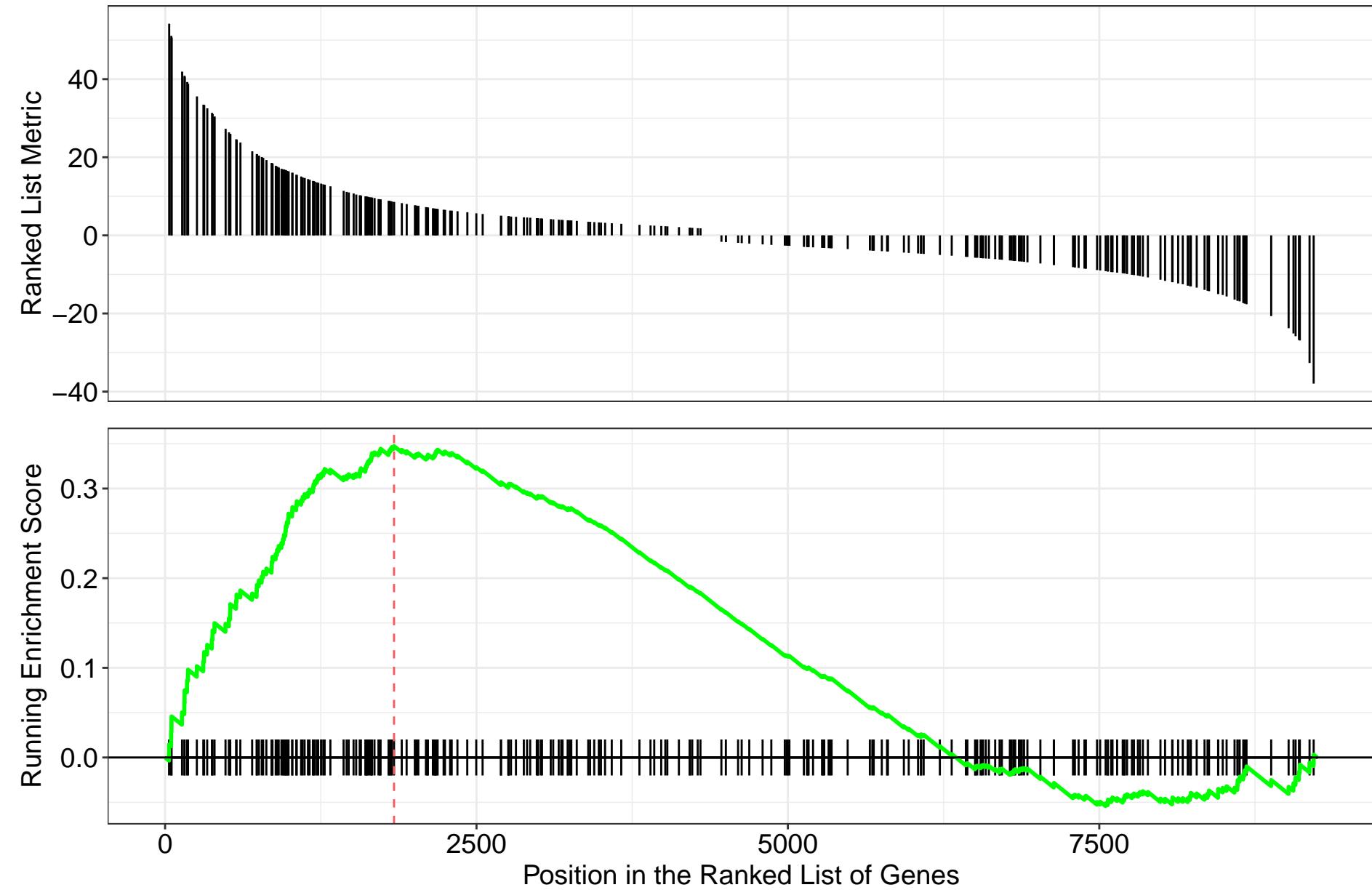
positive regulation of ion transport



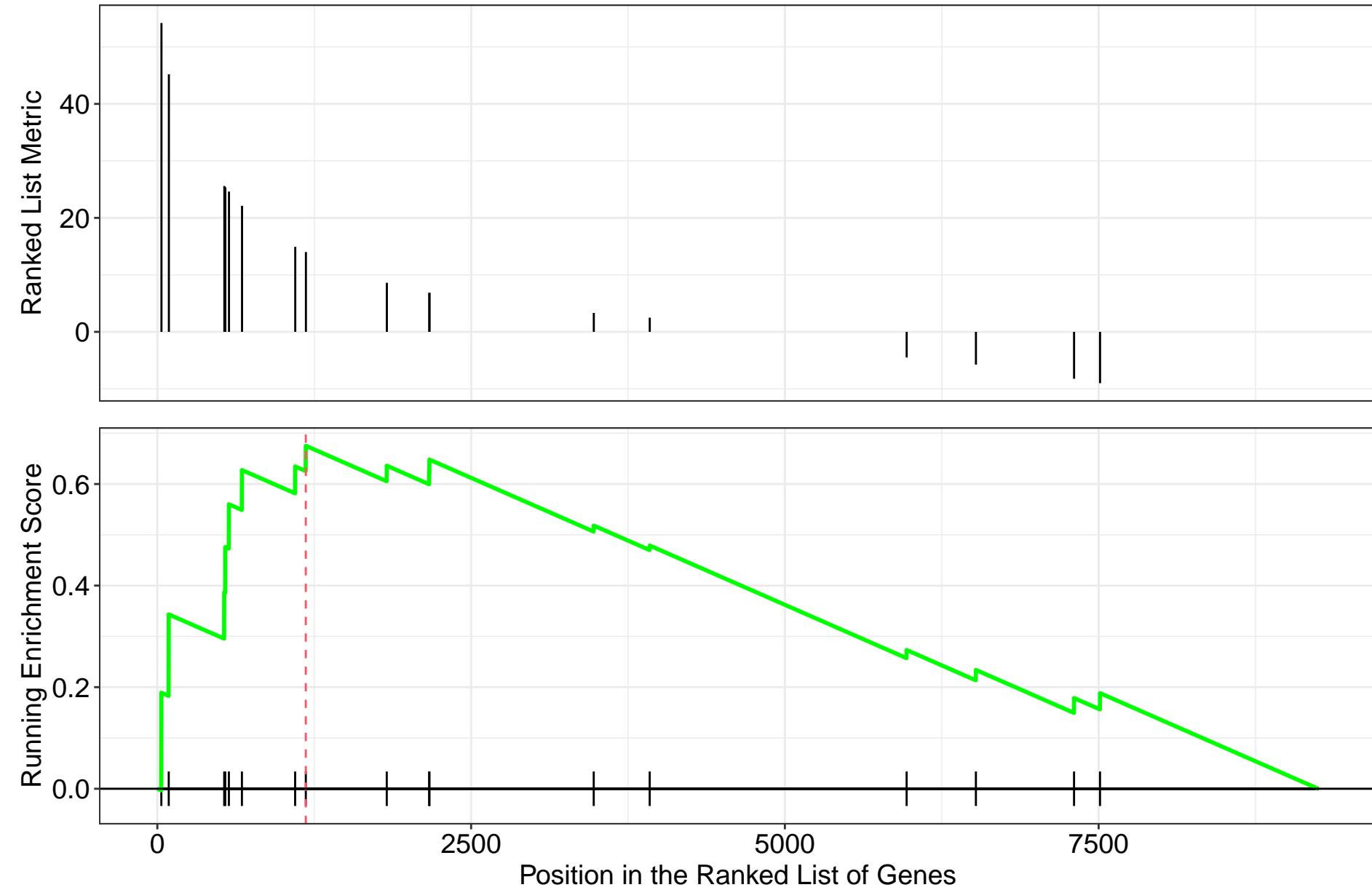
positive regulation of cytokine production involved in inflammatory response



epithelial cell differentiation

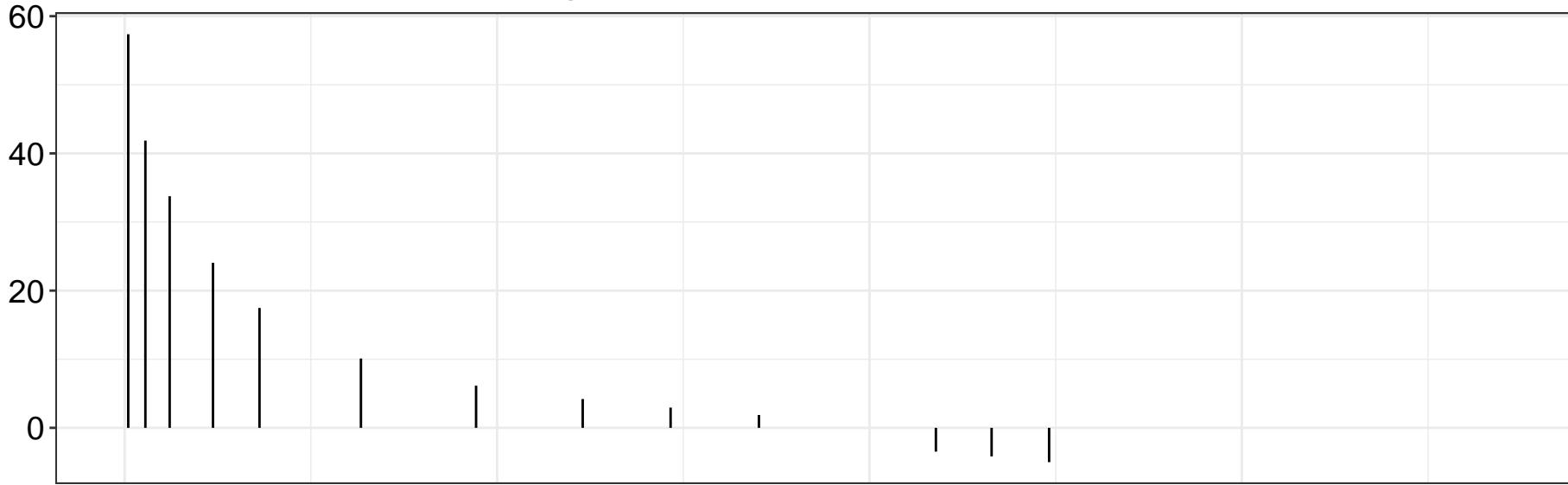


positive regulation of glial cell proliferation

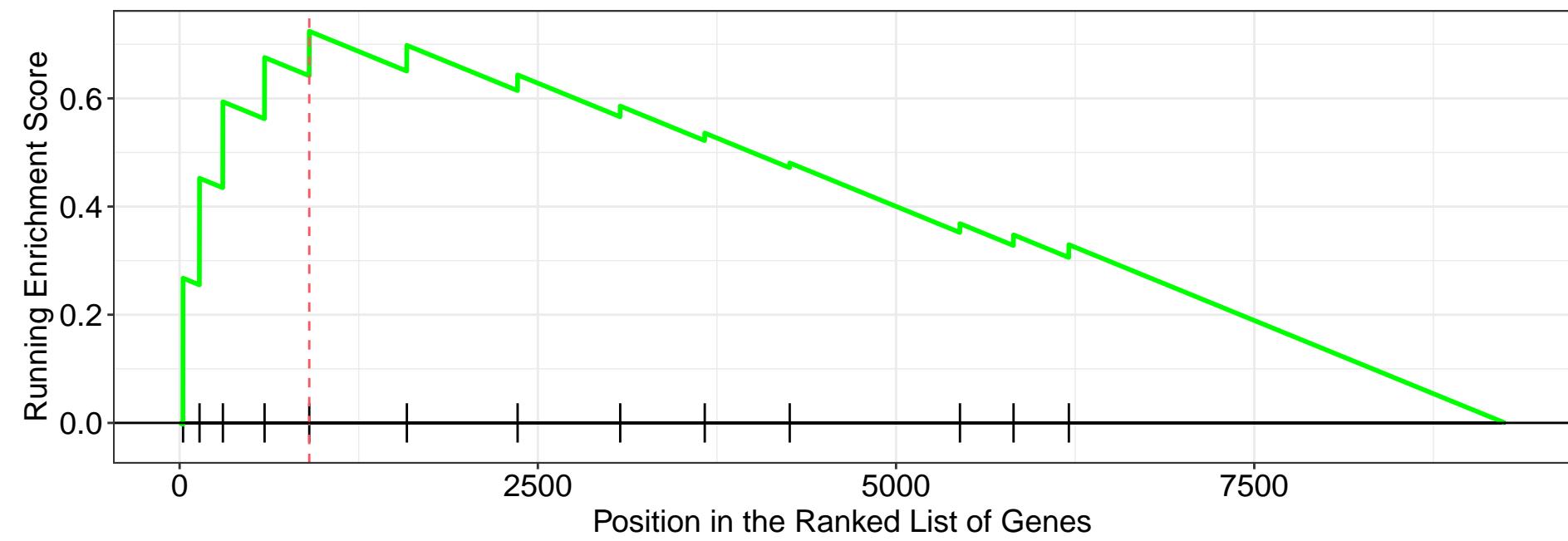


arginine metabolic process

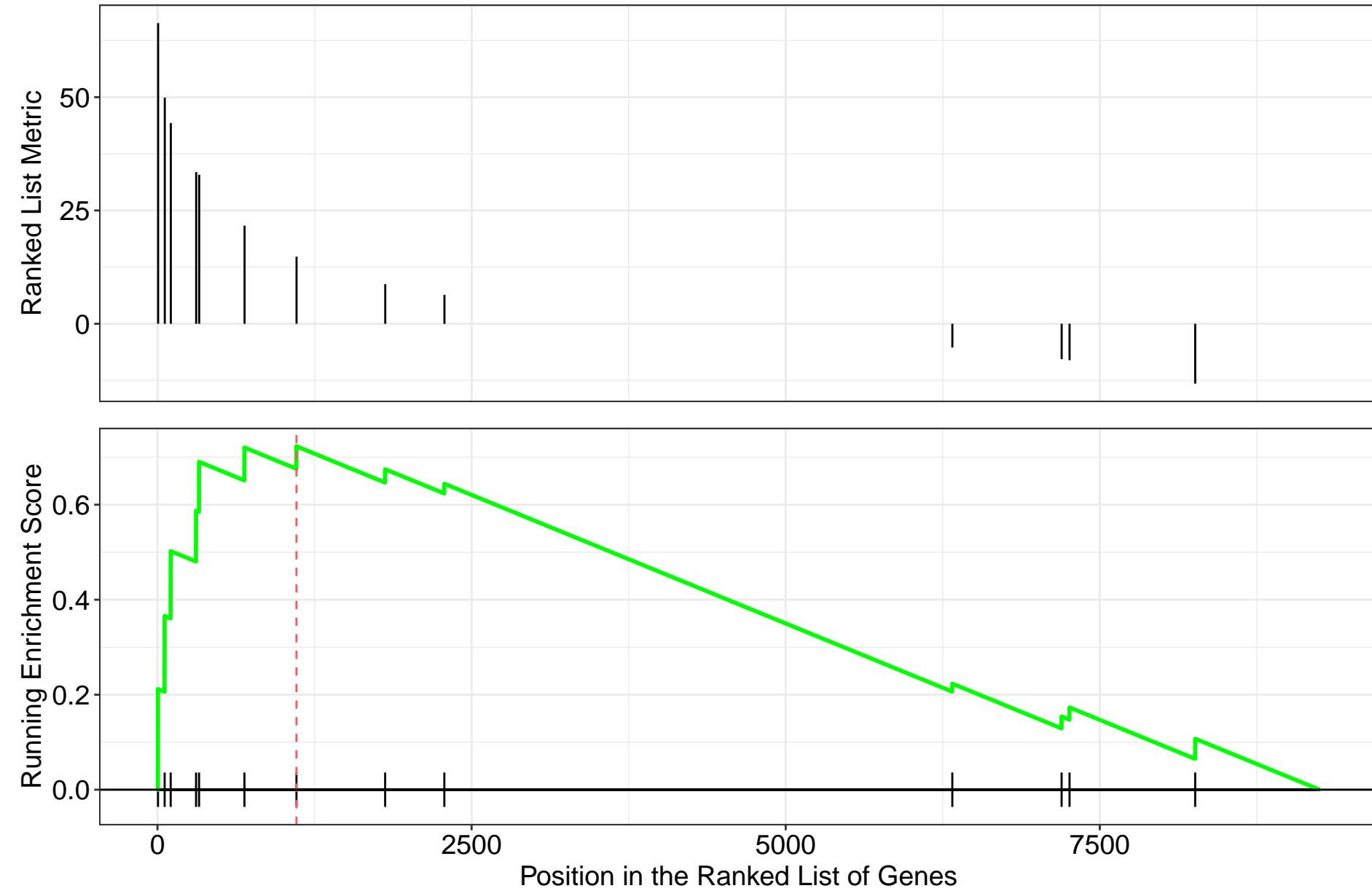
Ranked List Metric



Running Enrichment Score

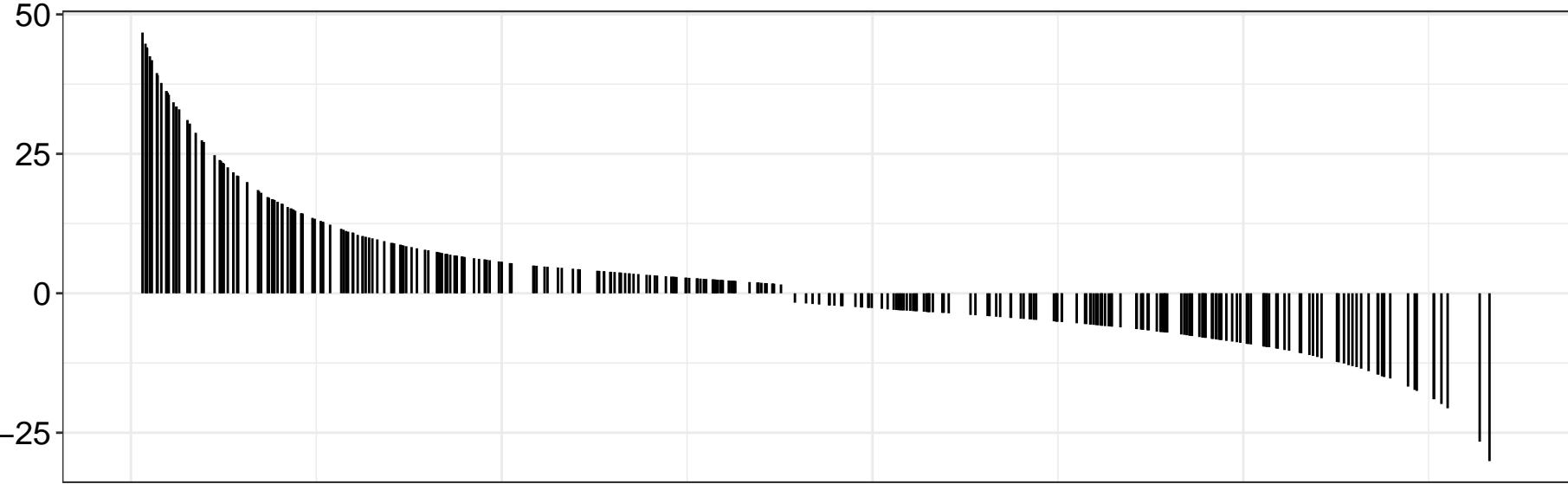


negative regulation of interleukin–10 production



developmental growth

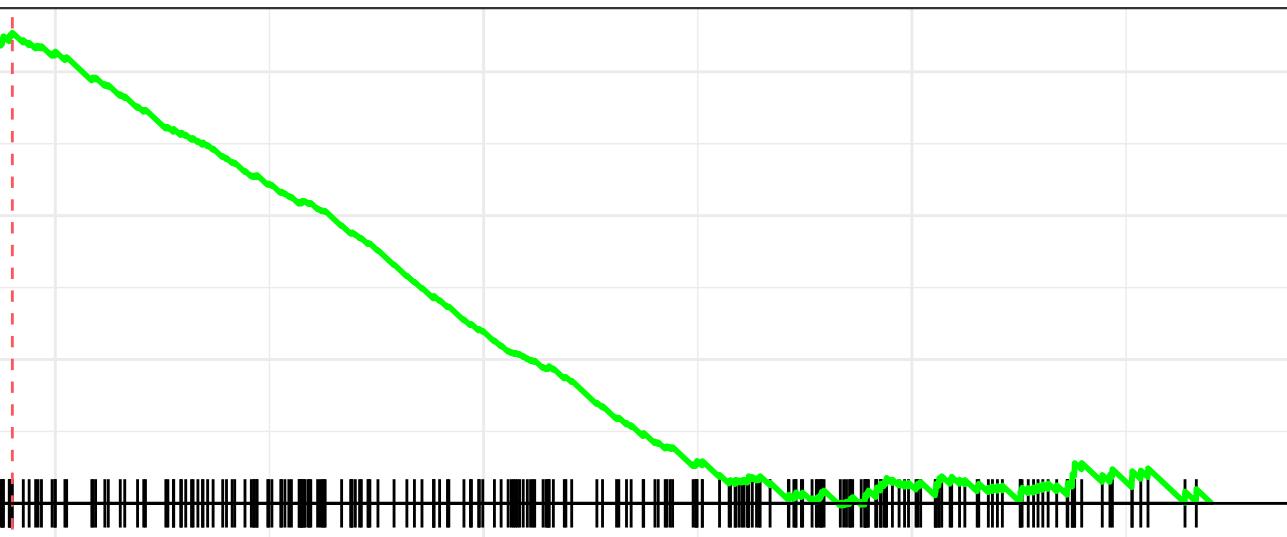
Ranked List Metric



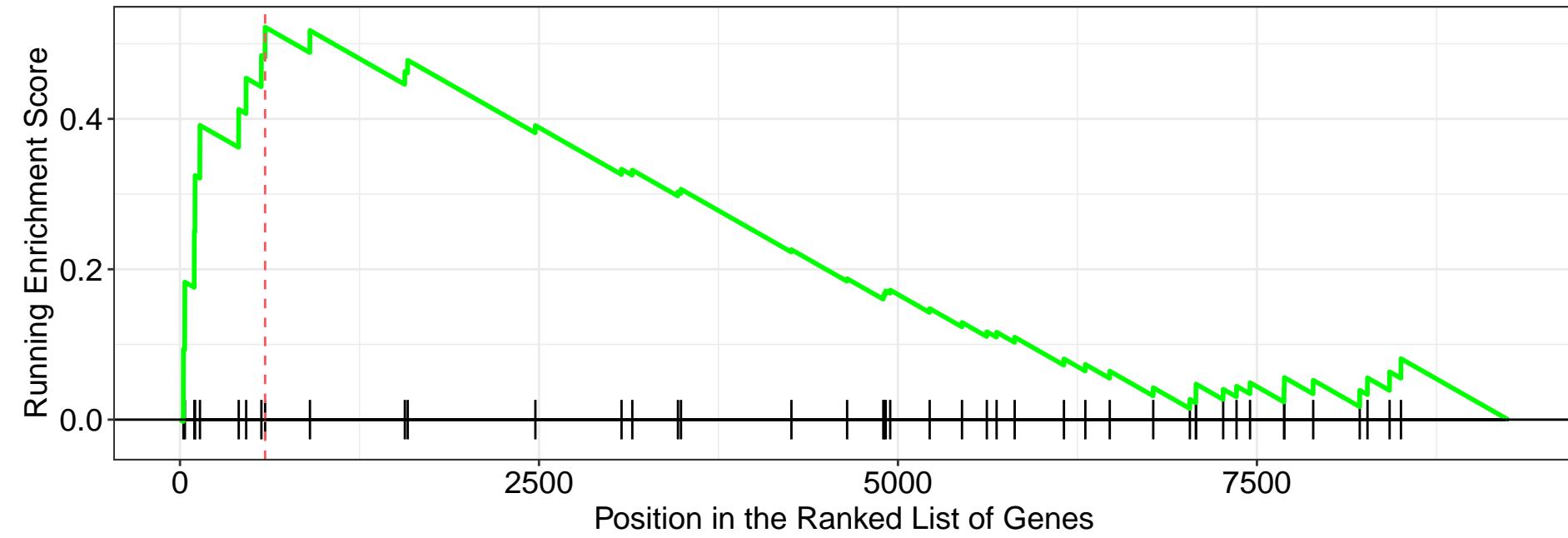
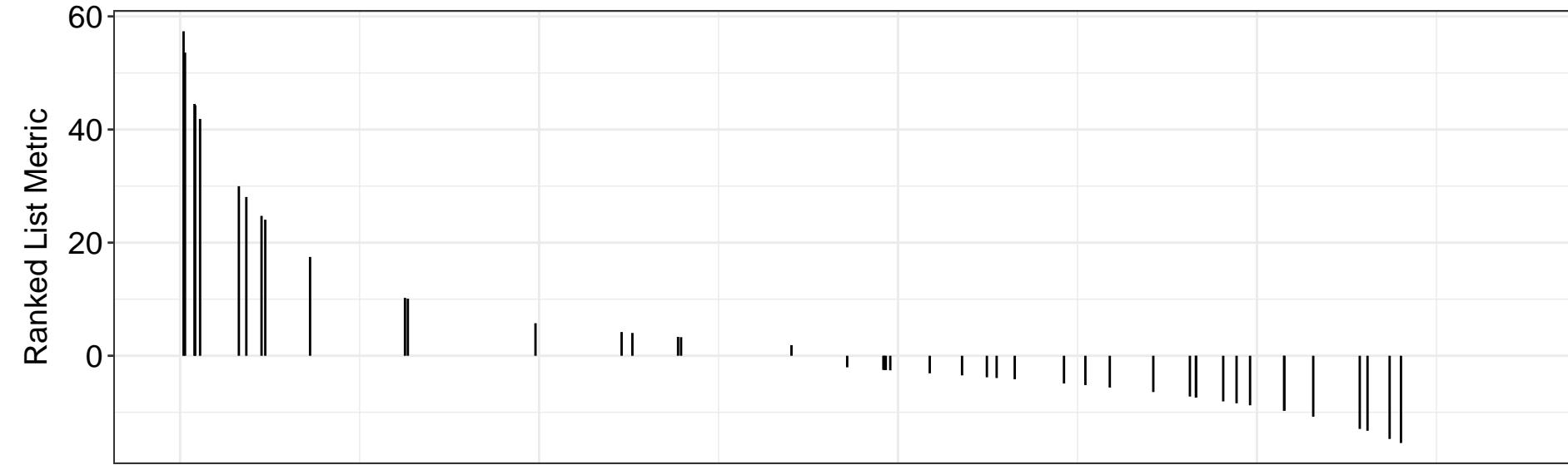
Running Enrichment Score

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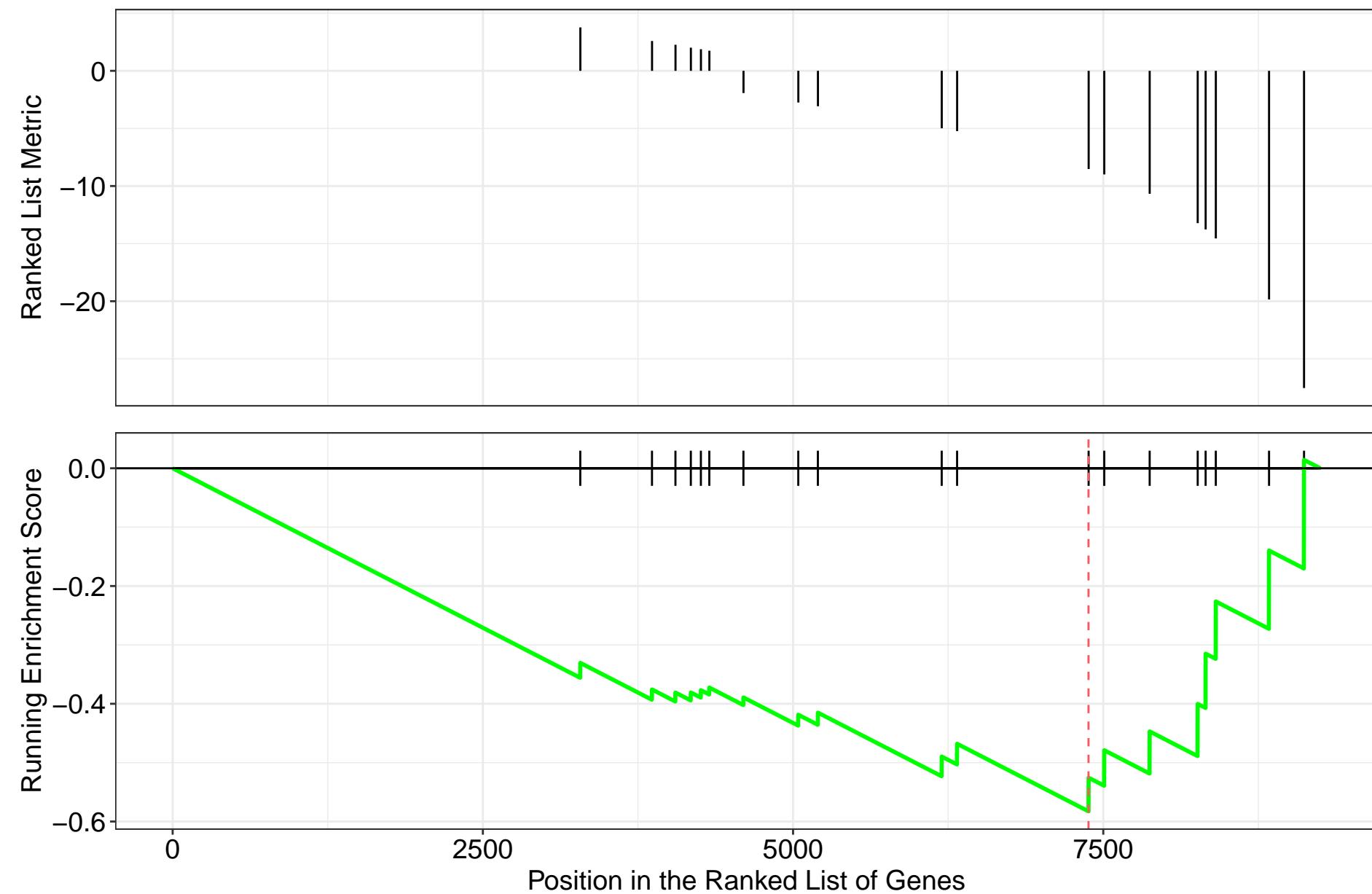
Position in the Ranked List of Genes



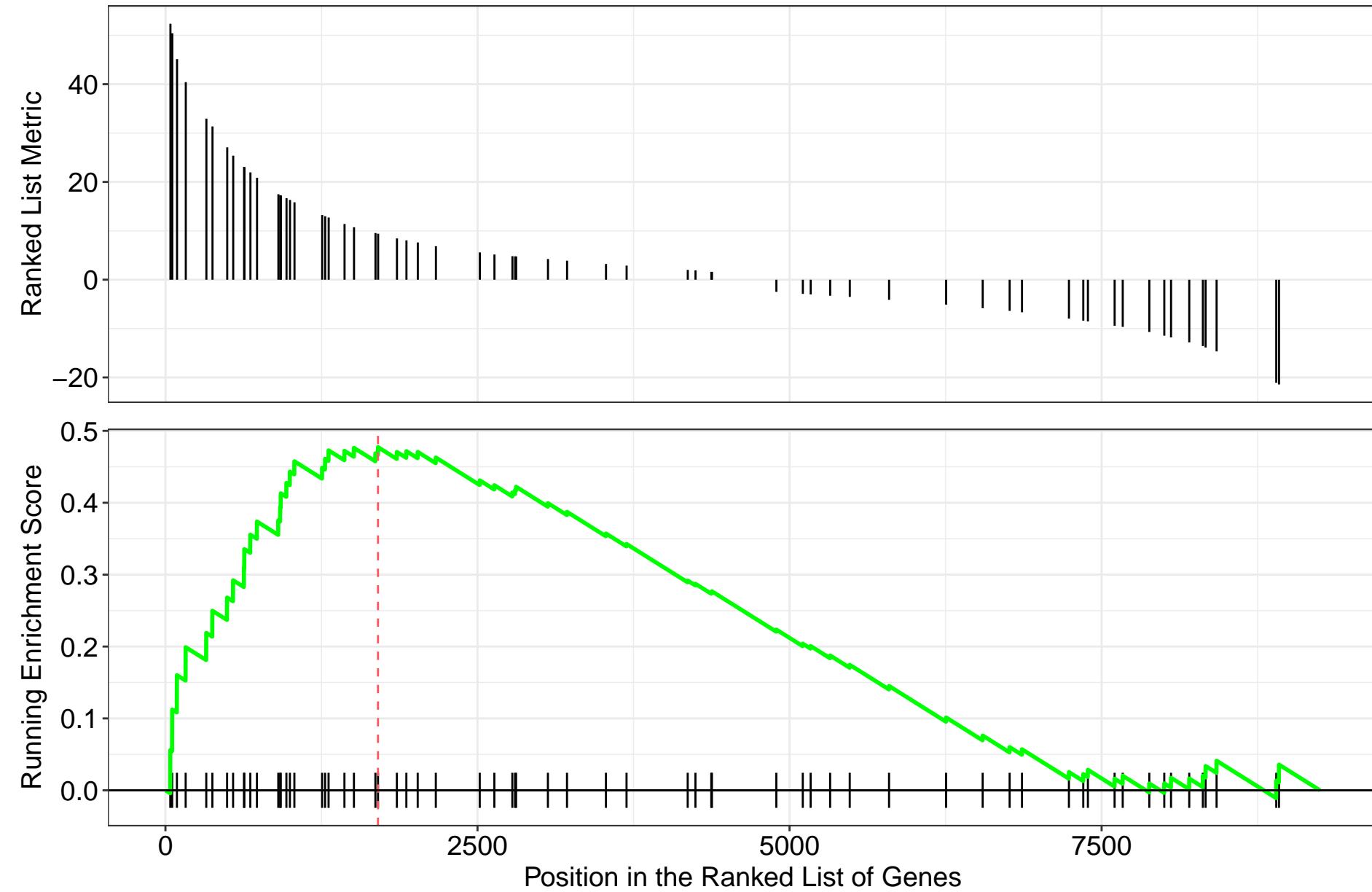
cellular amino acid catabolic process



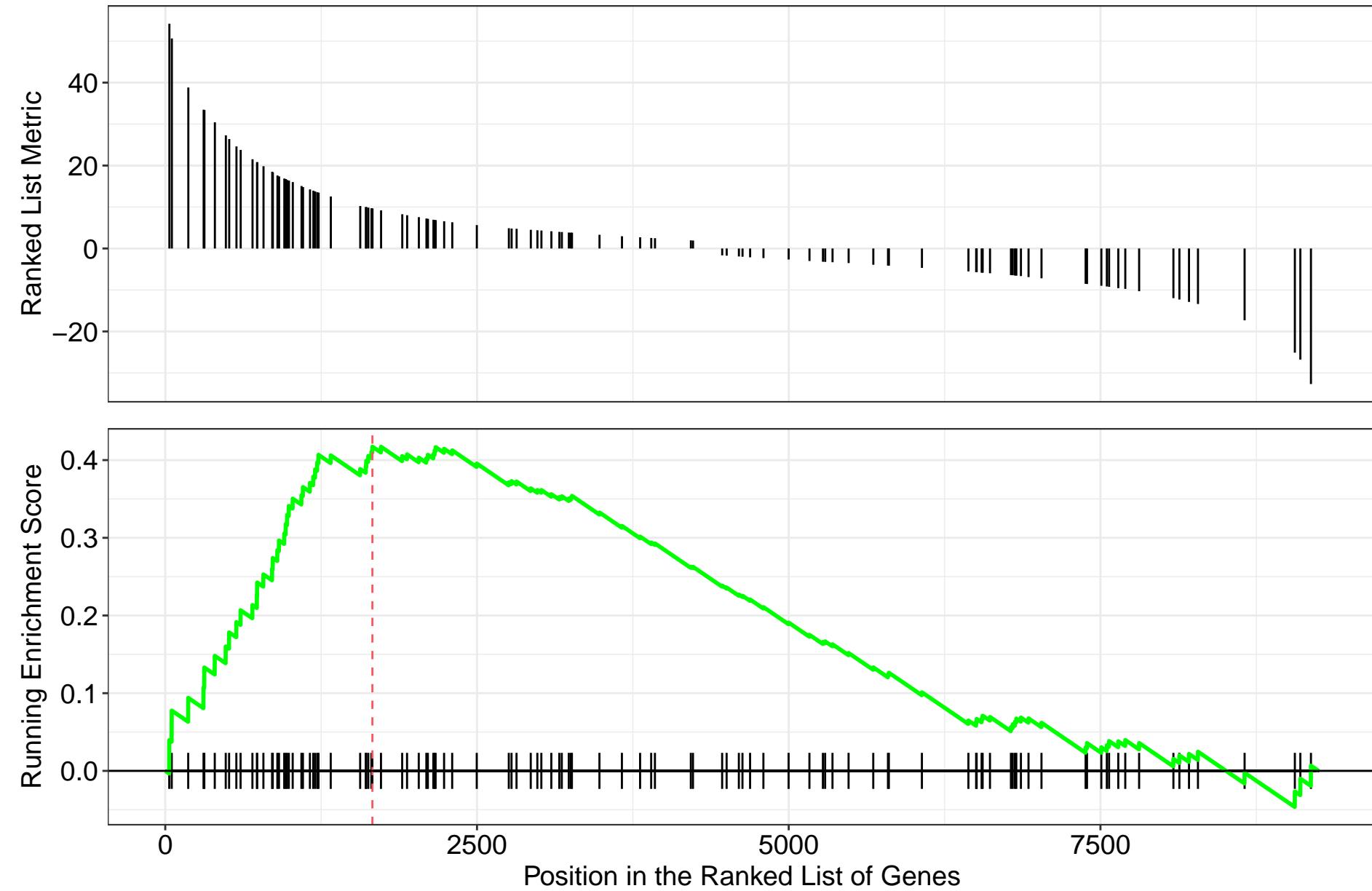
regulation of DNA damage checkpoint



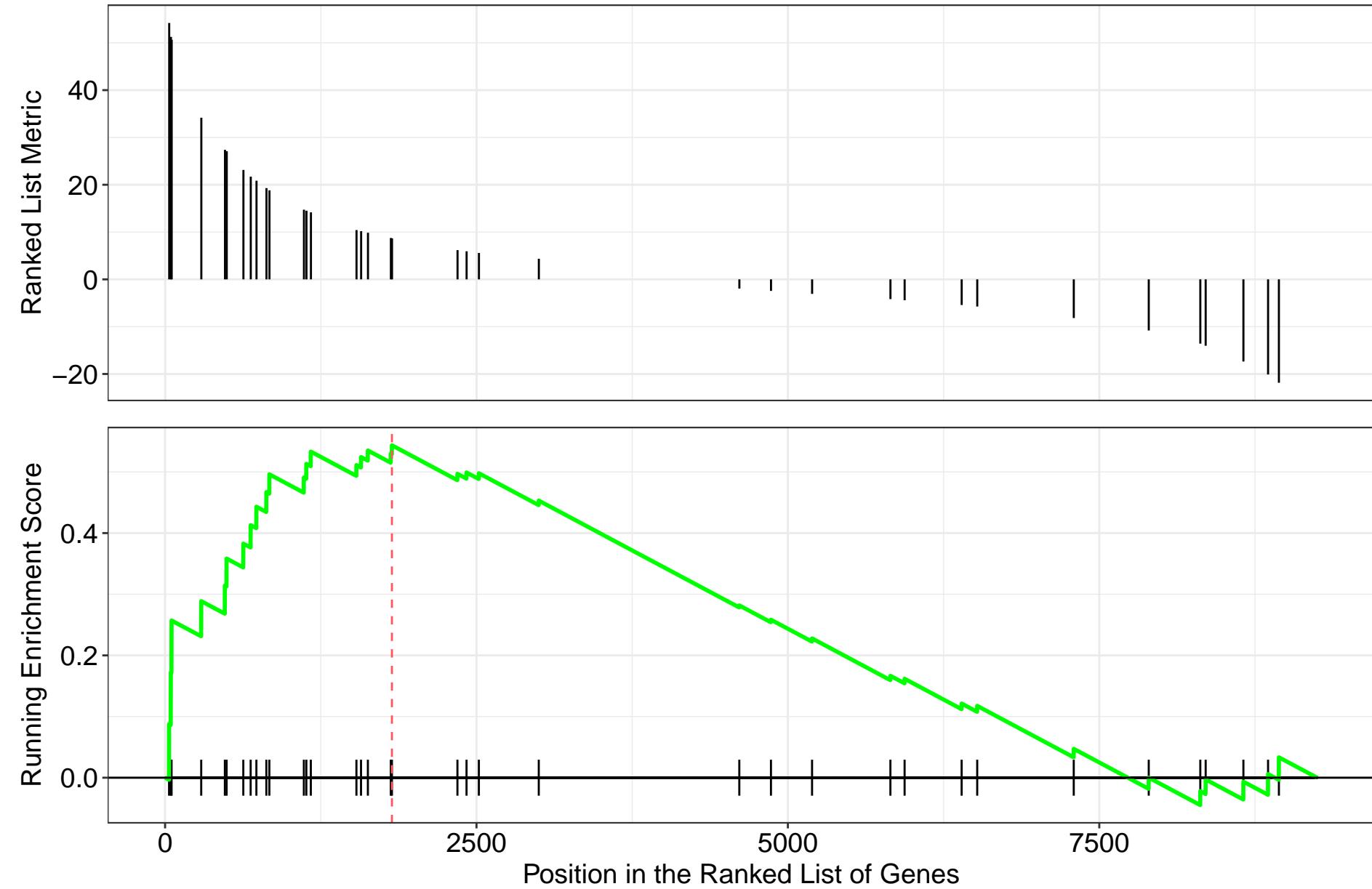
regulation of pattern recognition receptor signaling pathway



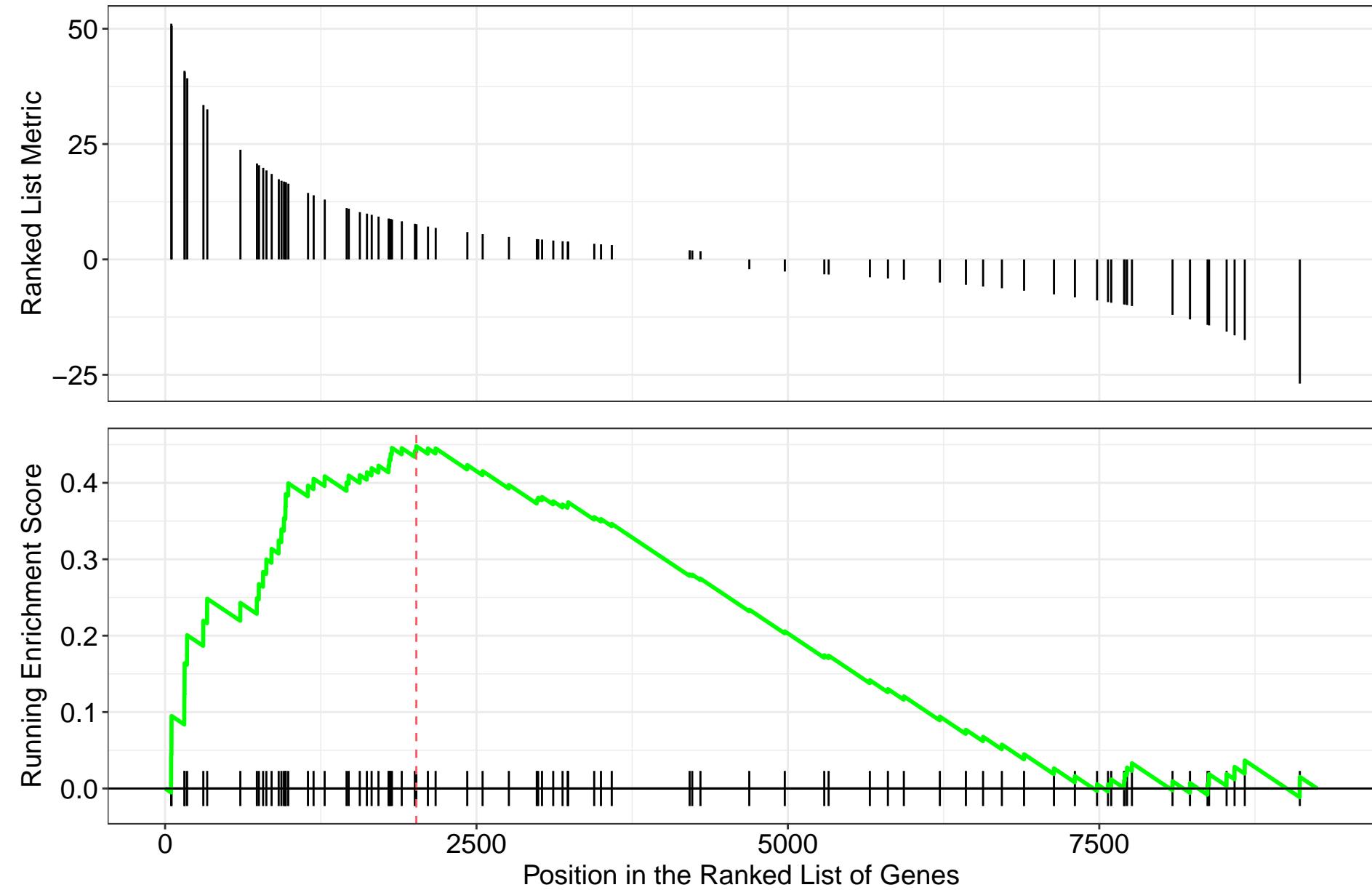
epithelial cell development



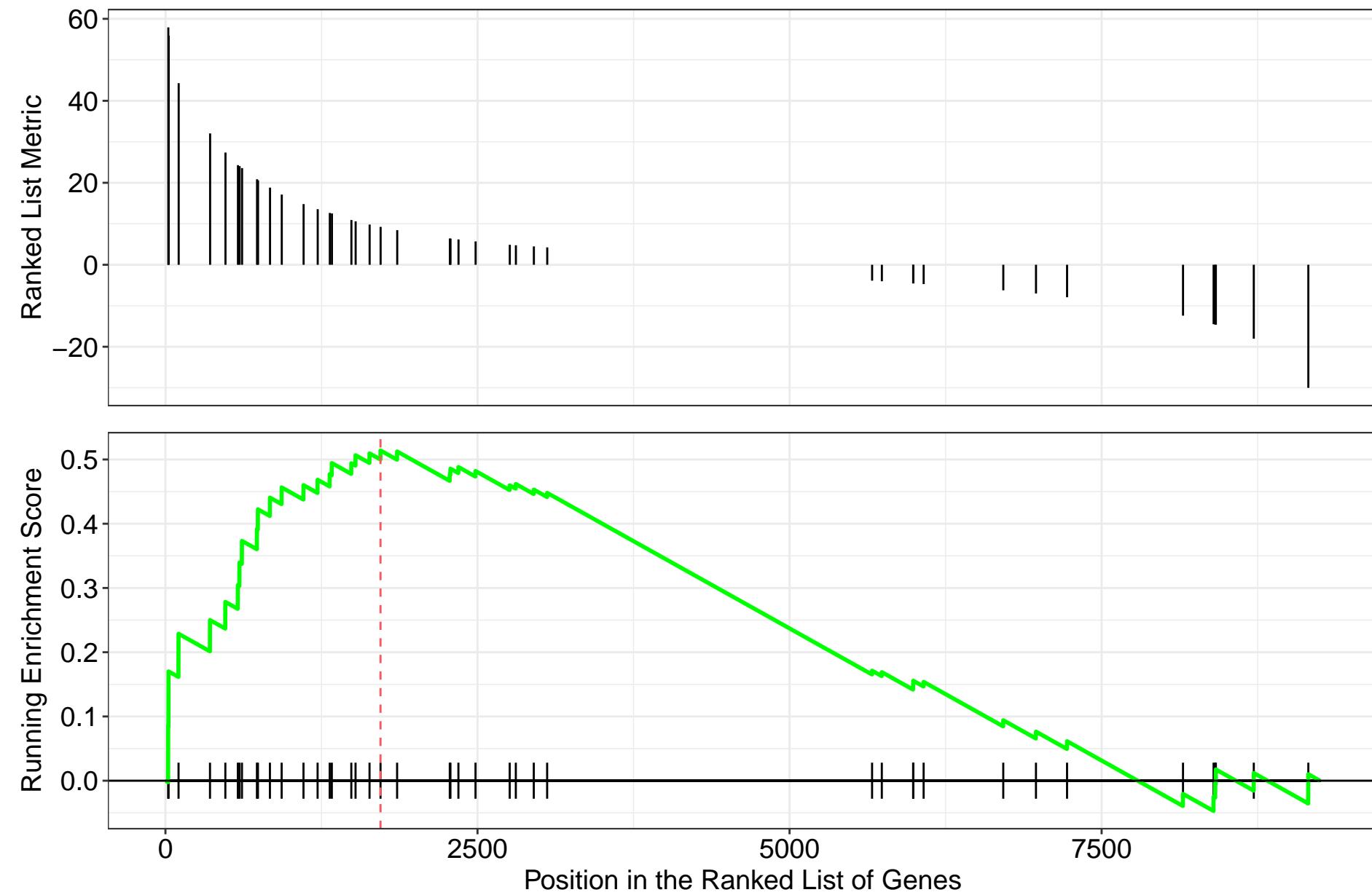
regulation of interleukin–2 production



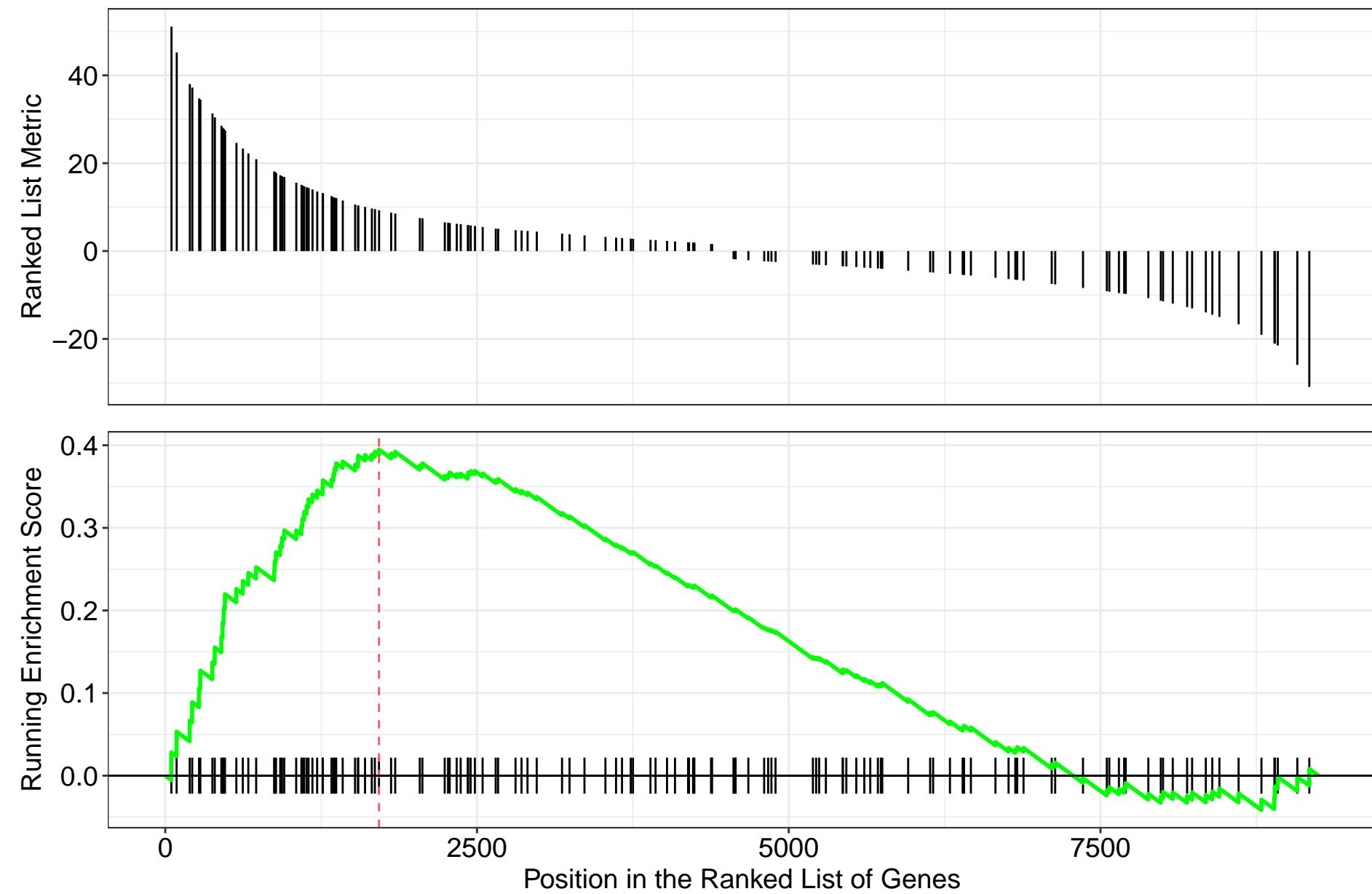
epidermal cell differentiation



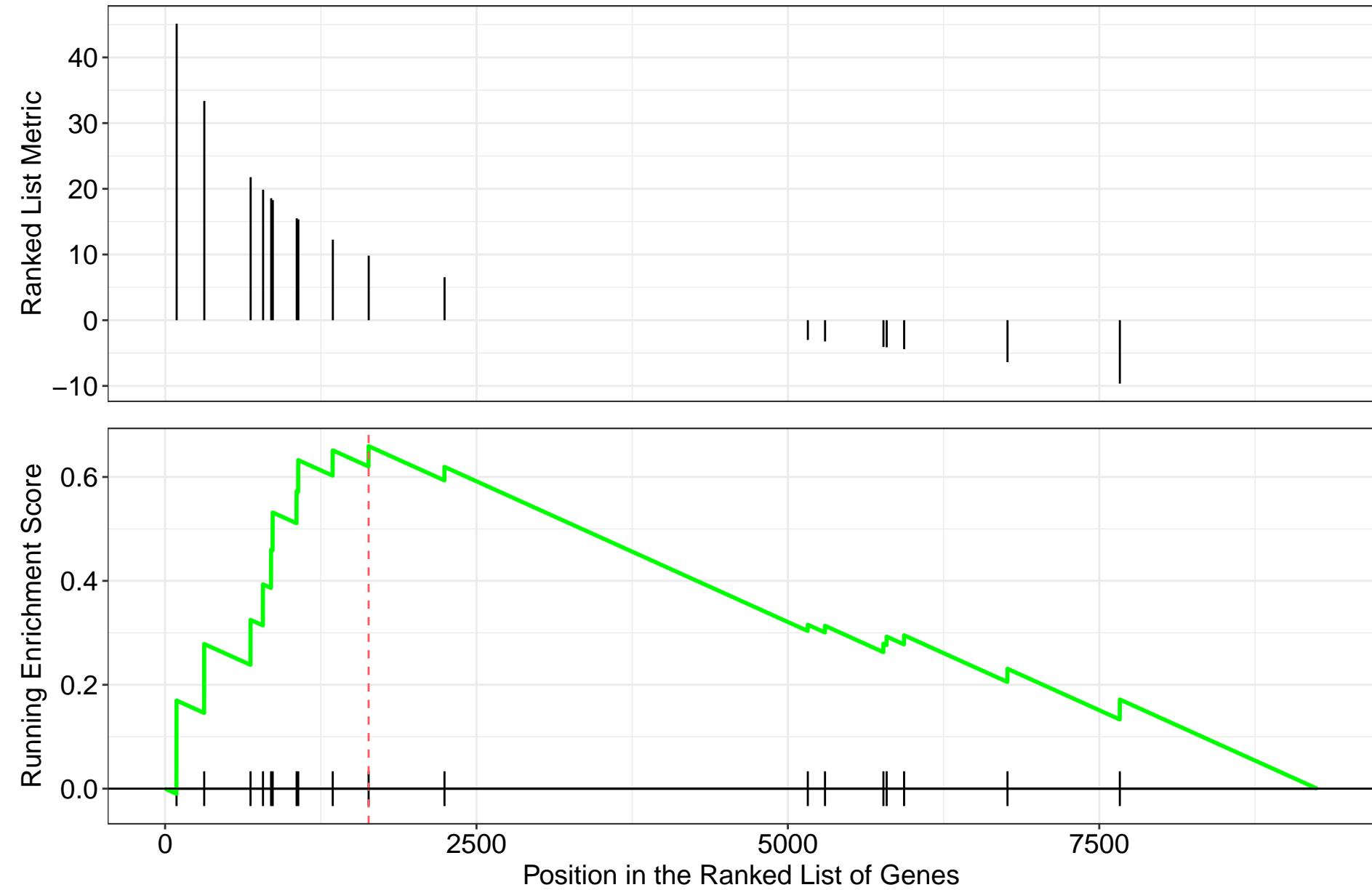
negative regulation of leukocyte apoptotic process



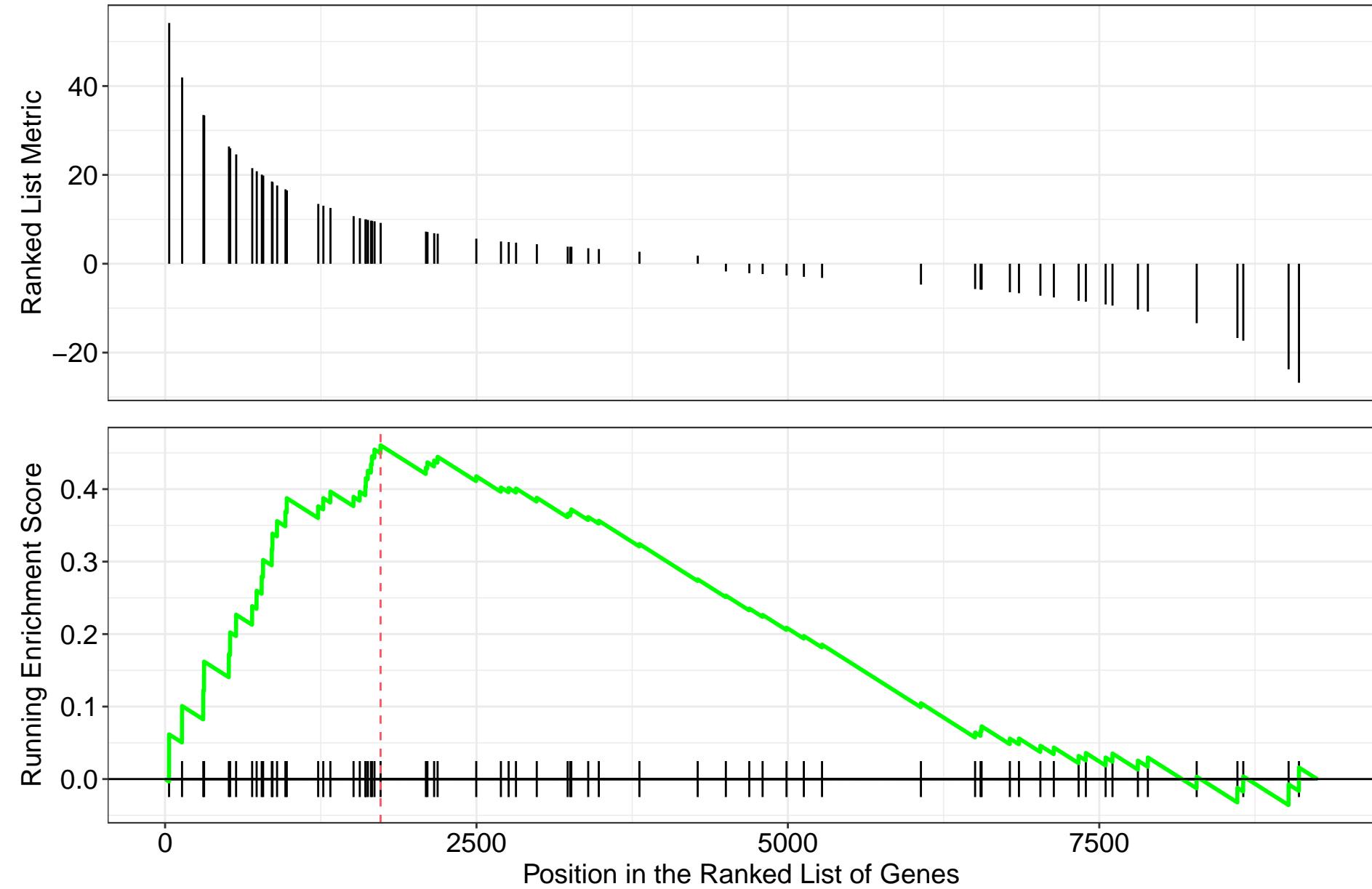
regulation of cysteine-type endopeptidase activity



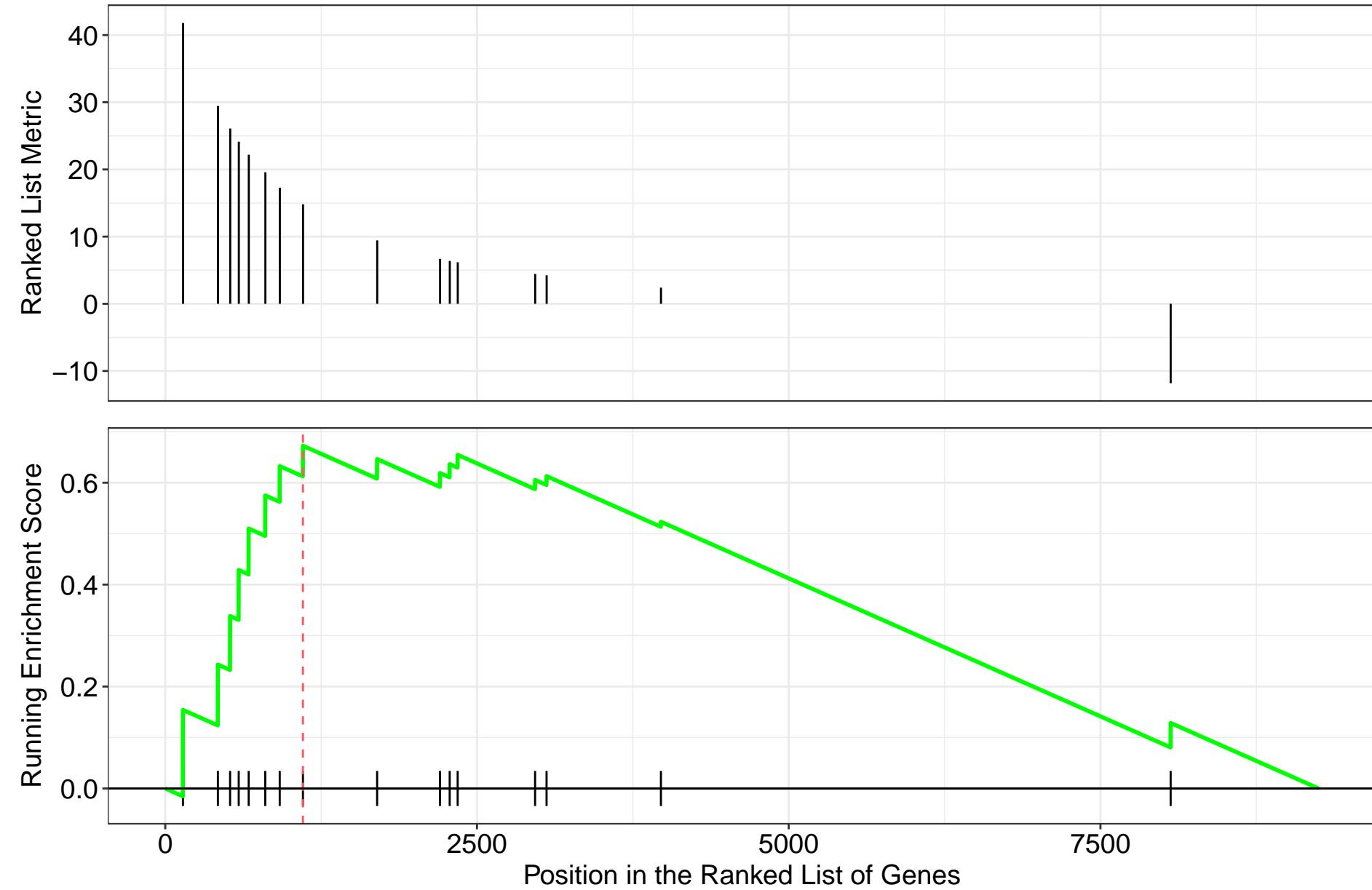
regulation of nuclease activity



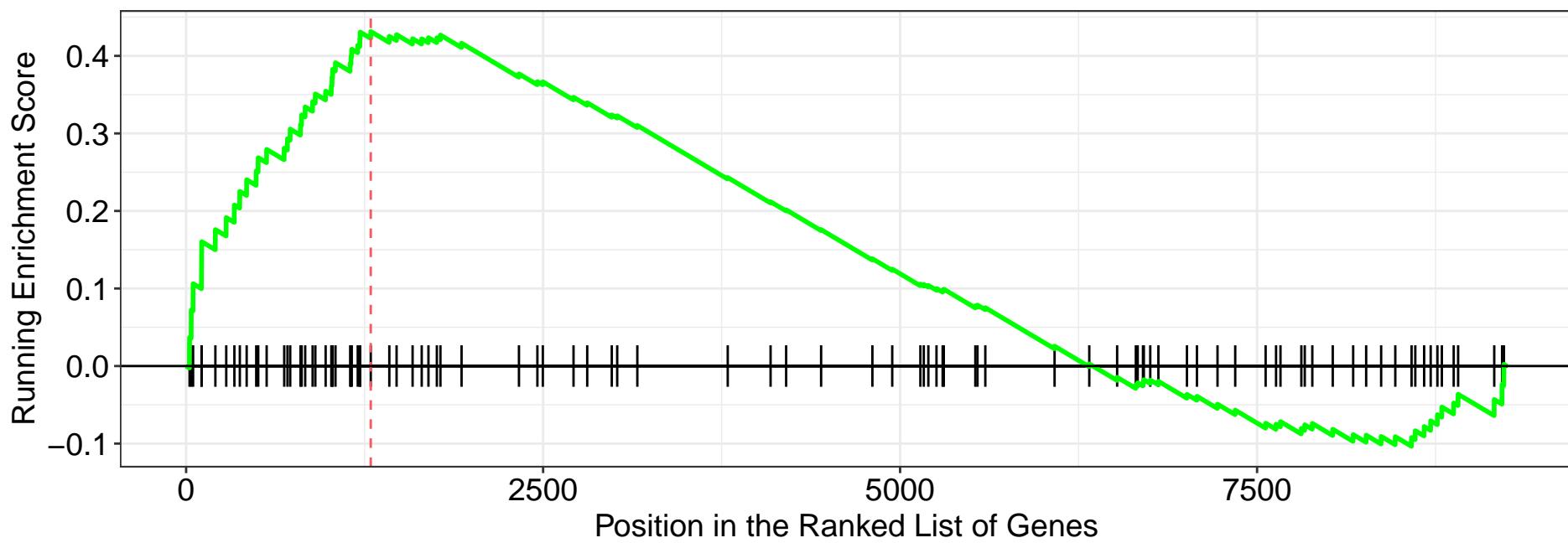
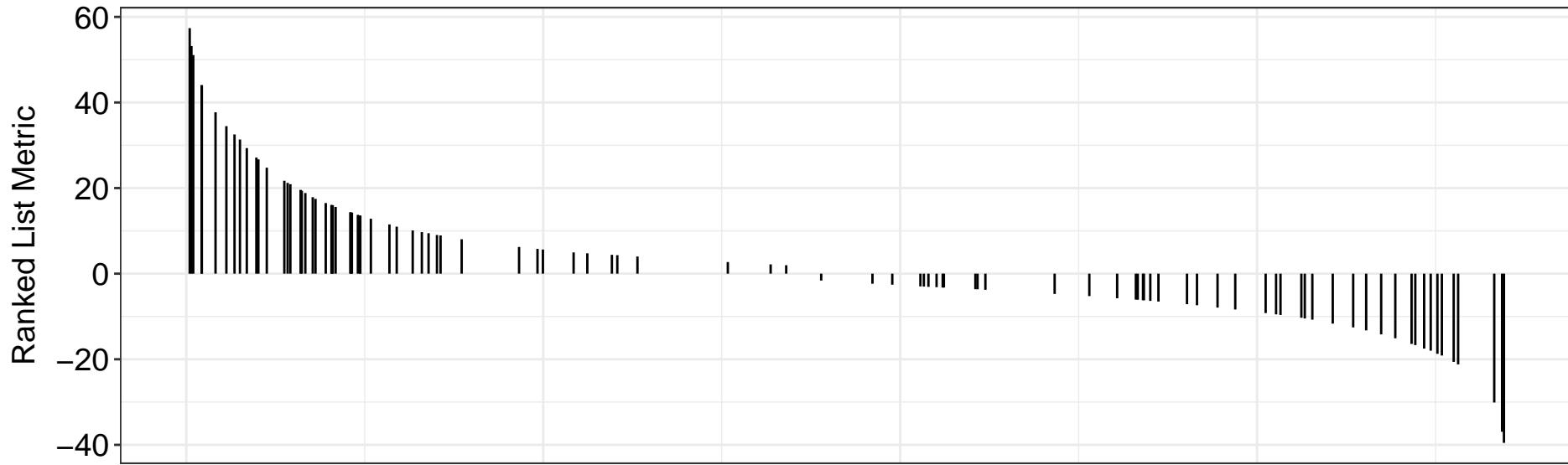
endothelial cell differentiation



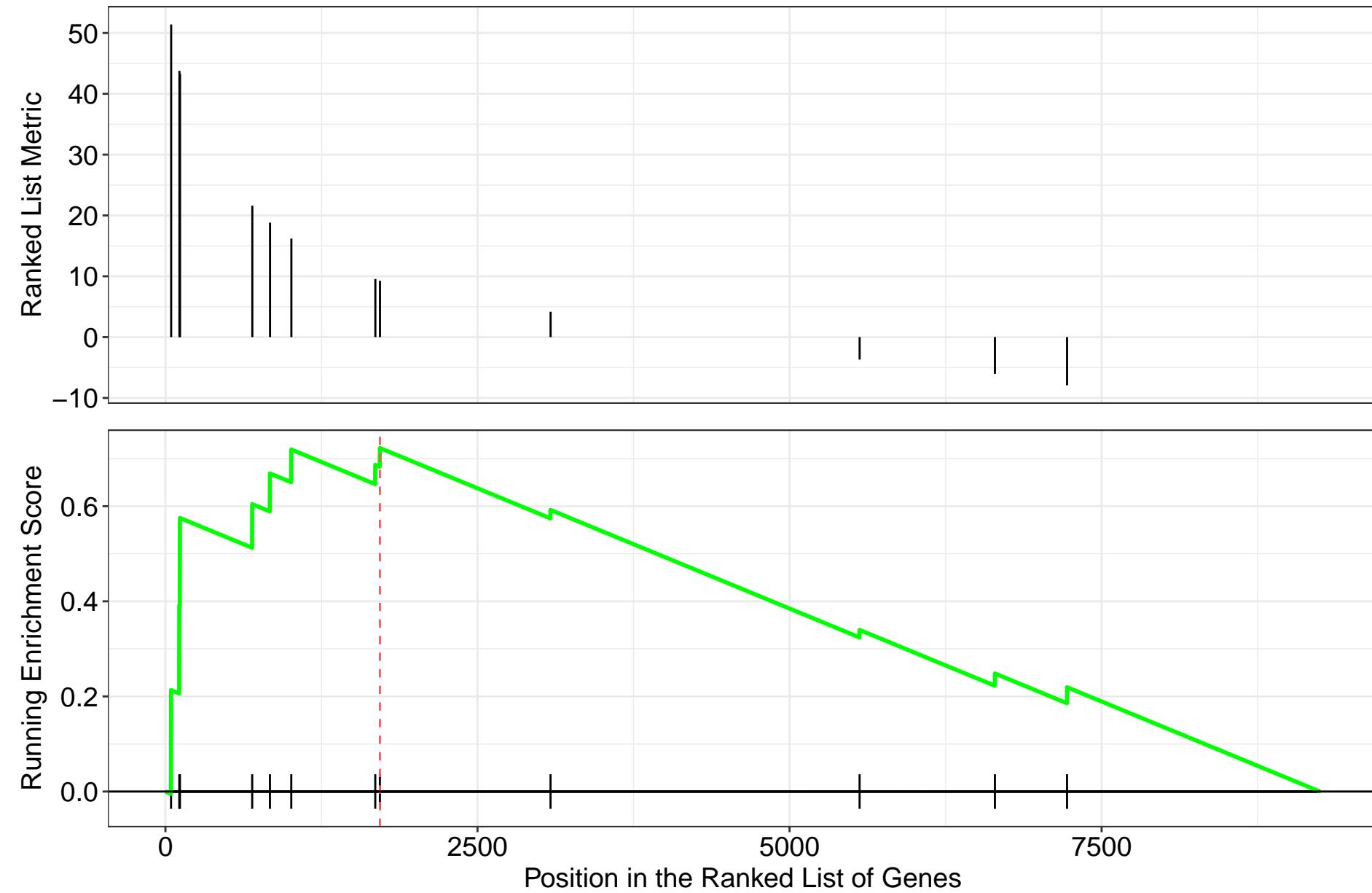
positive regulation of mast cell activation



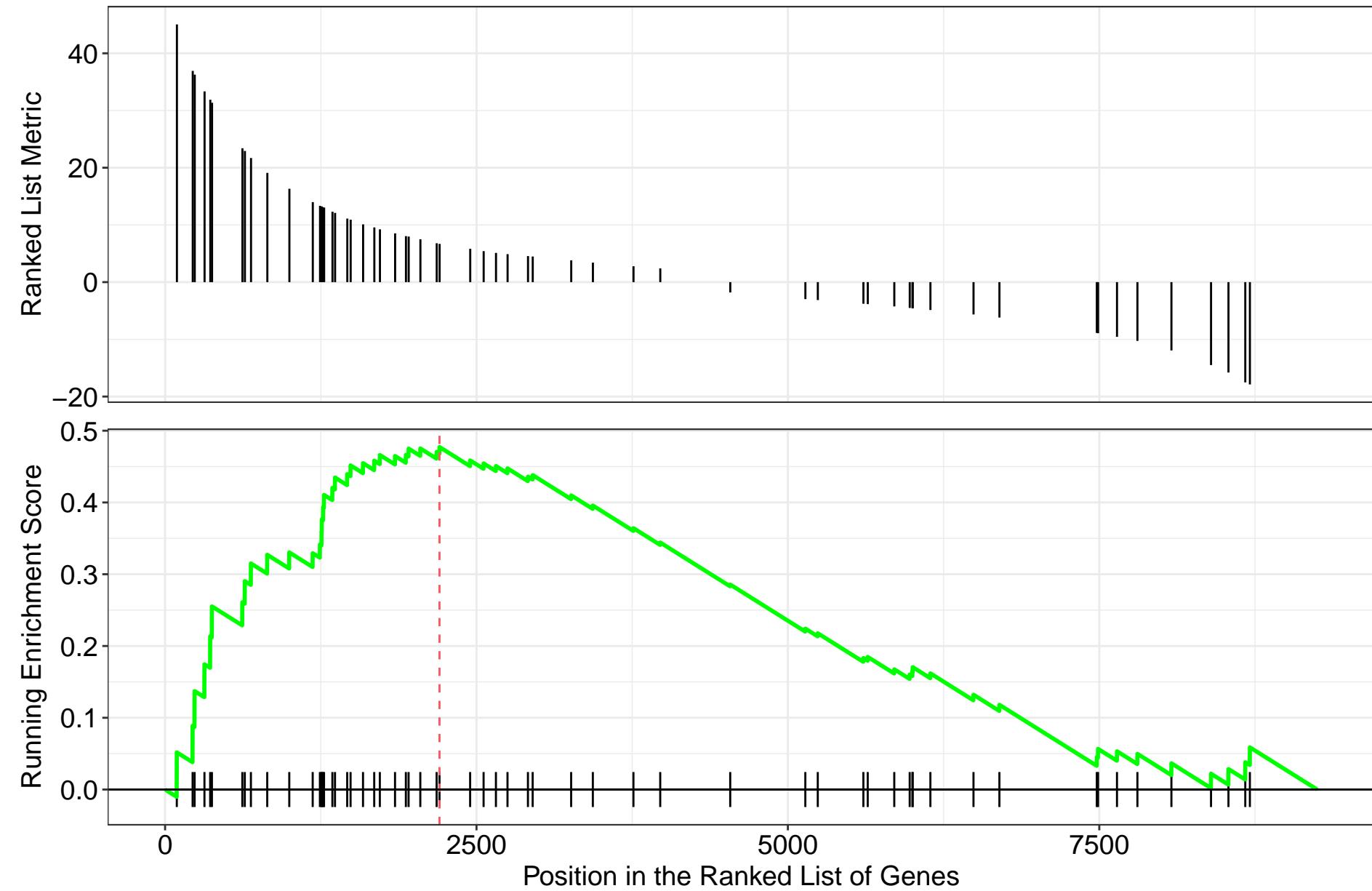
regulation of blood circulation



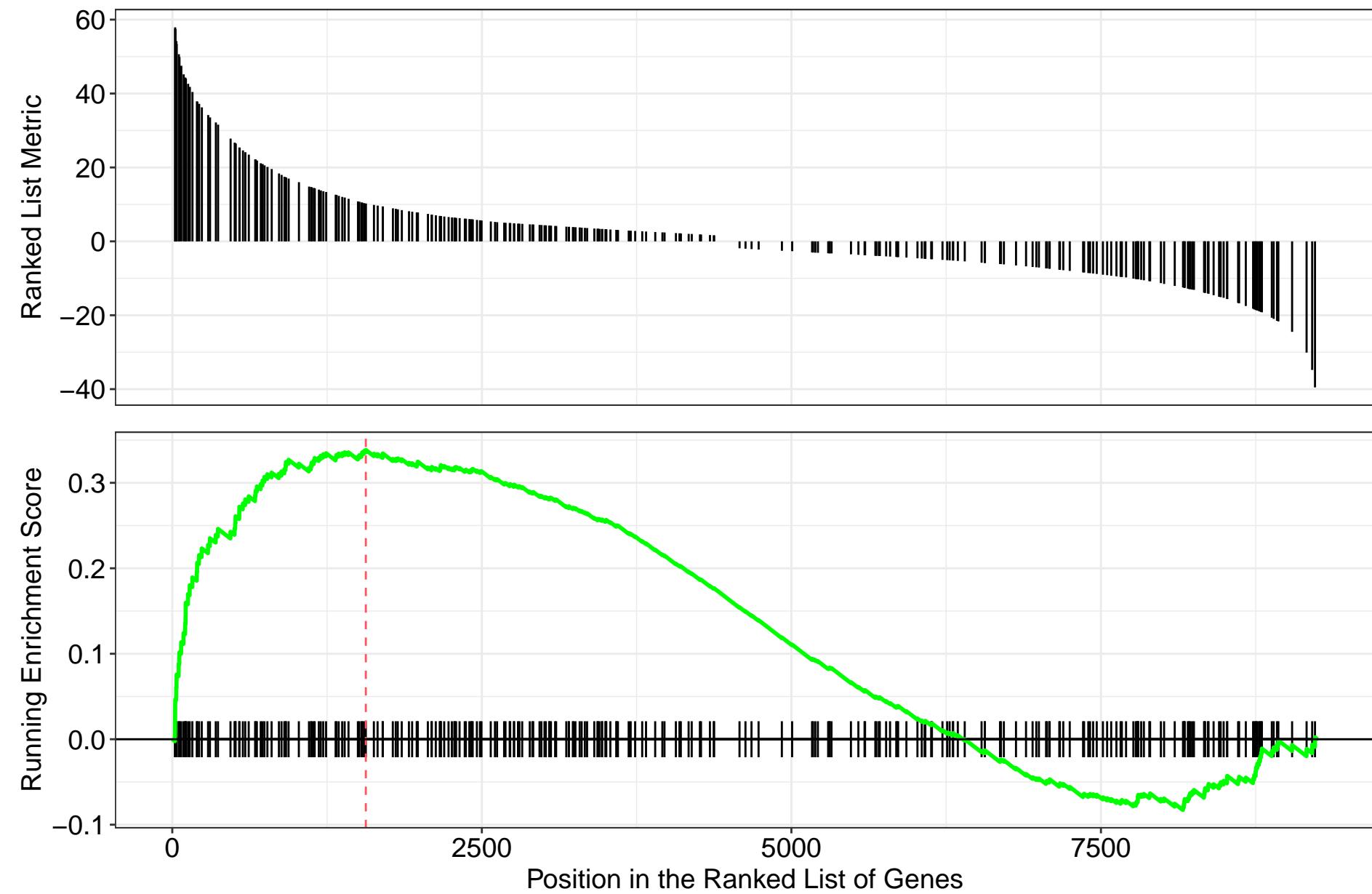
ribonucleoside monophosphate catabolic process



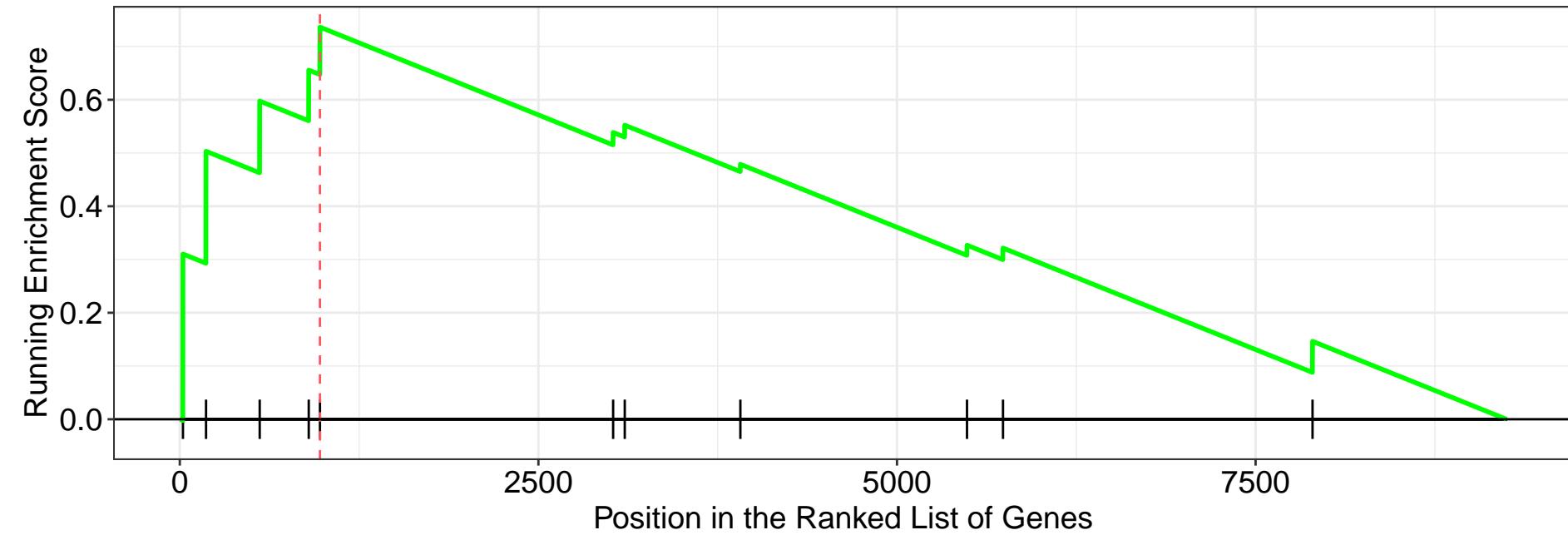
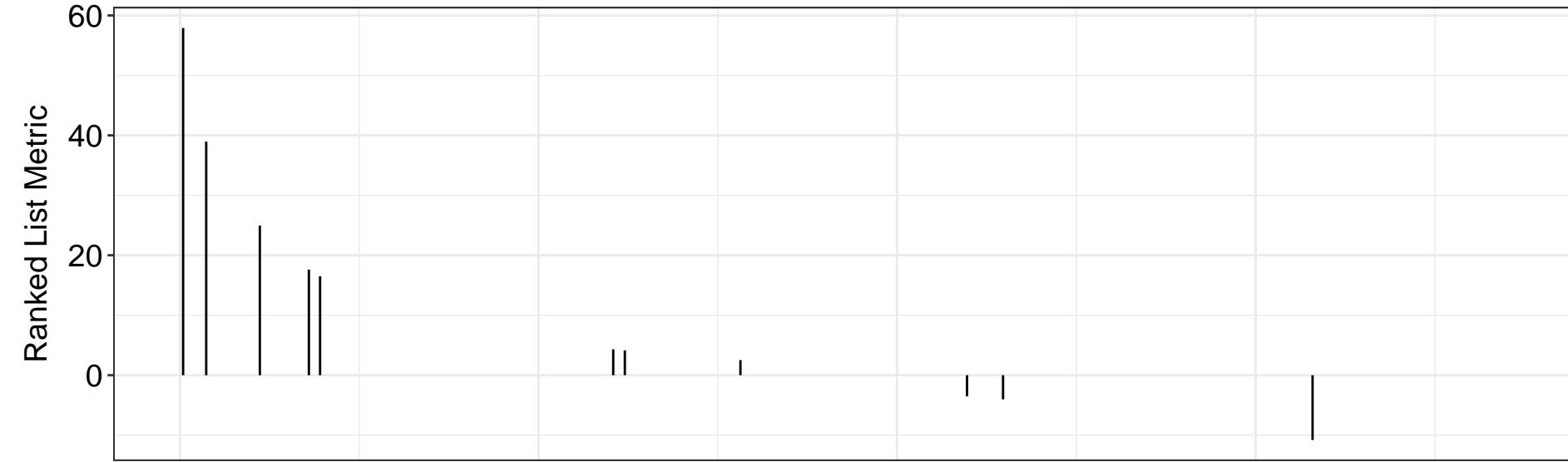
entry into host



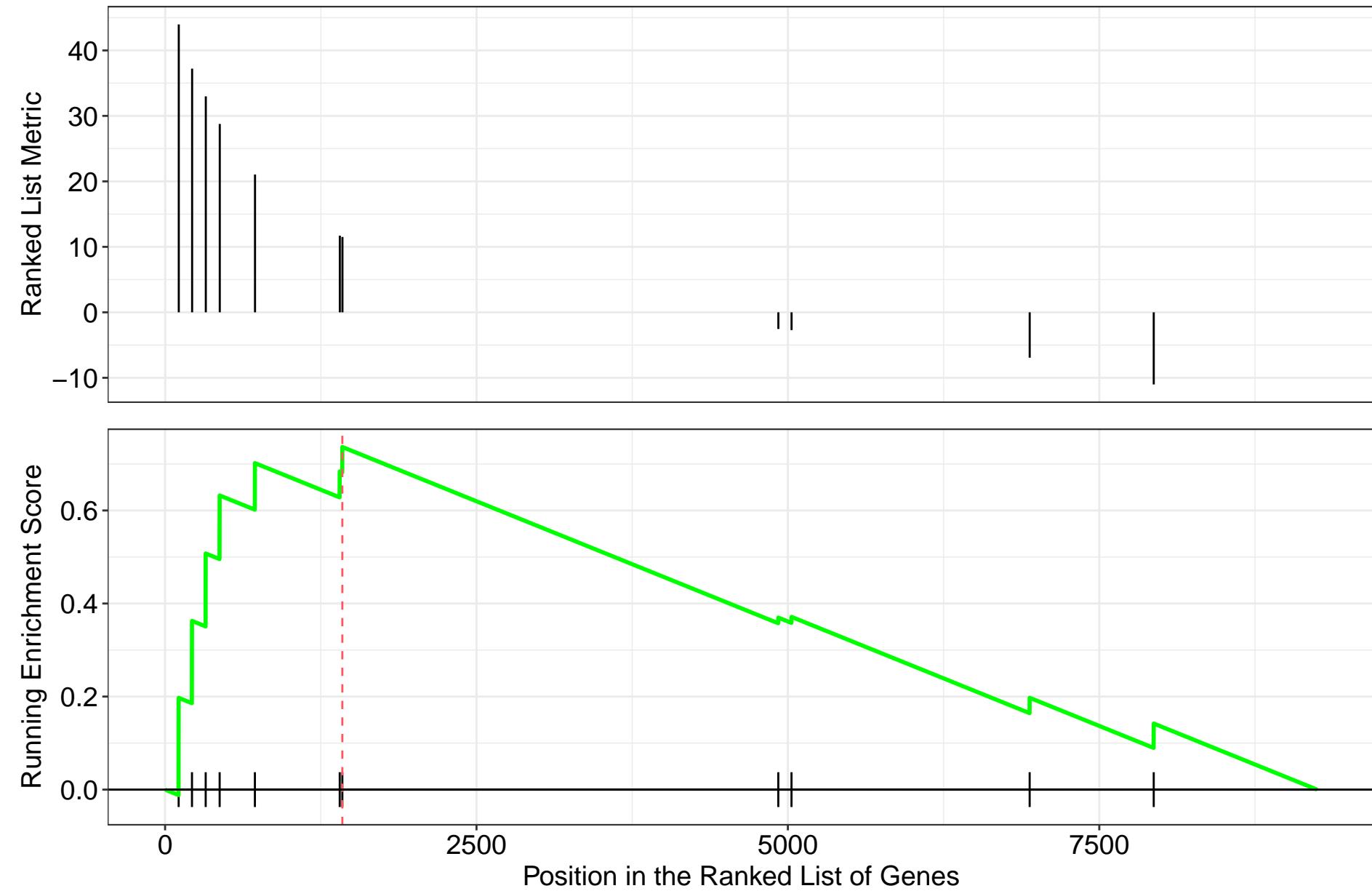
regulation of secretion by cell



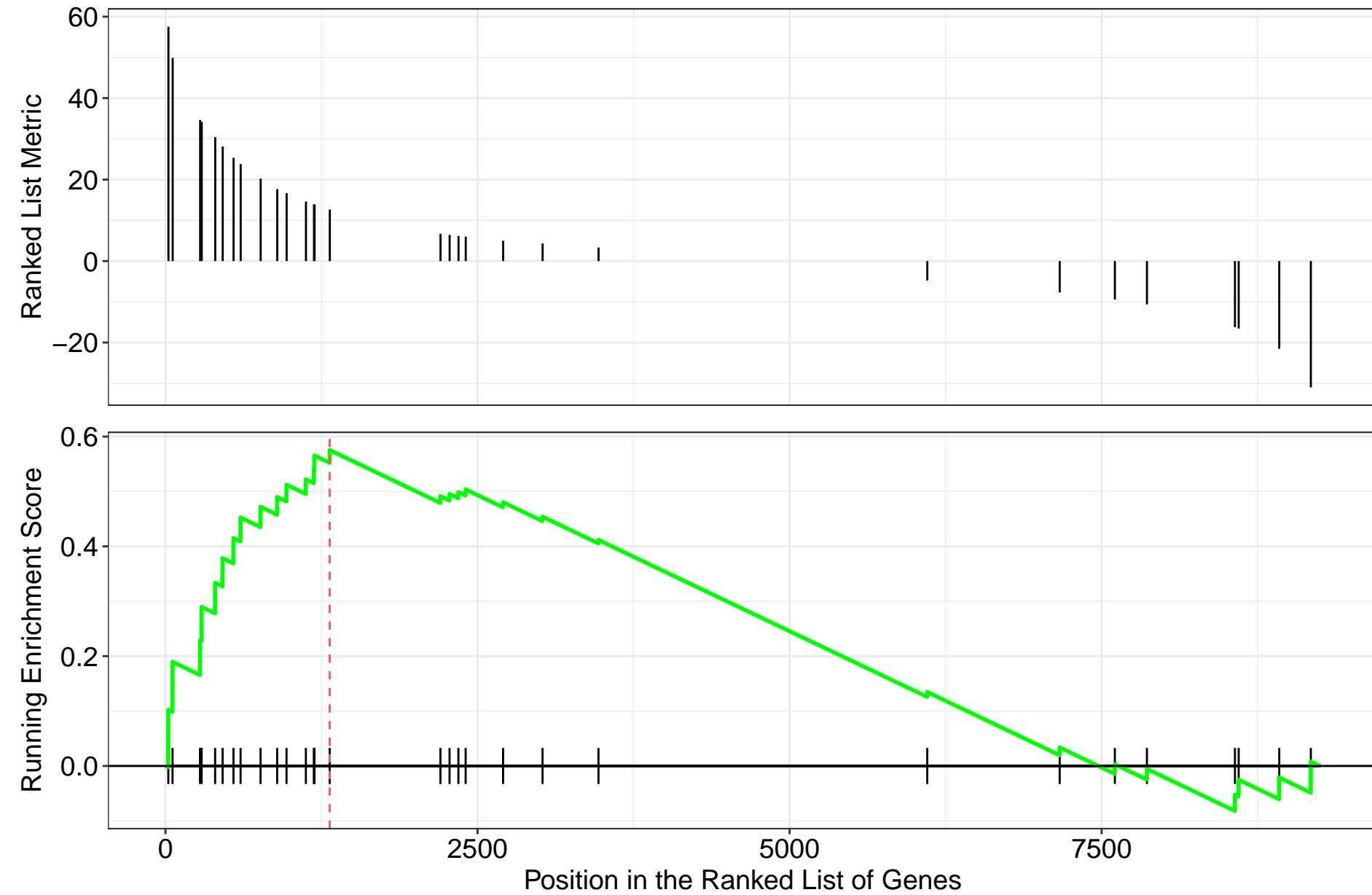
T cell extravasation



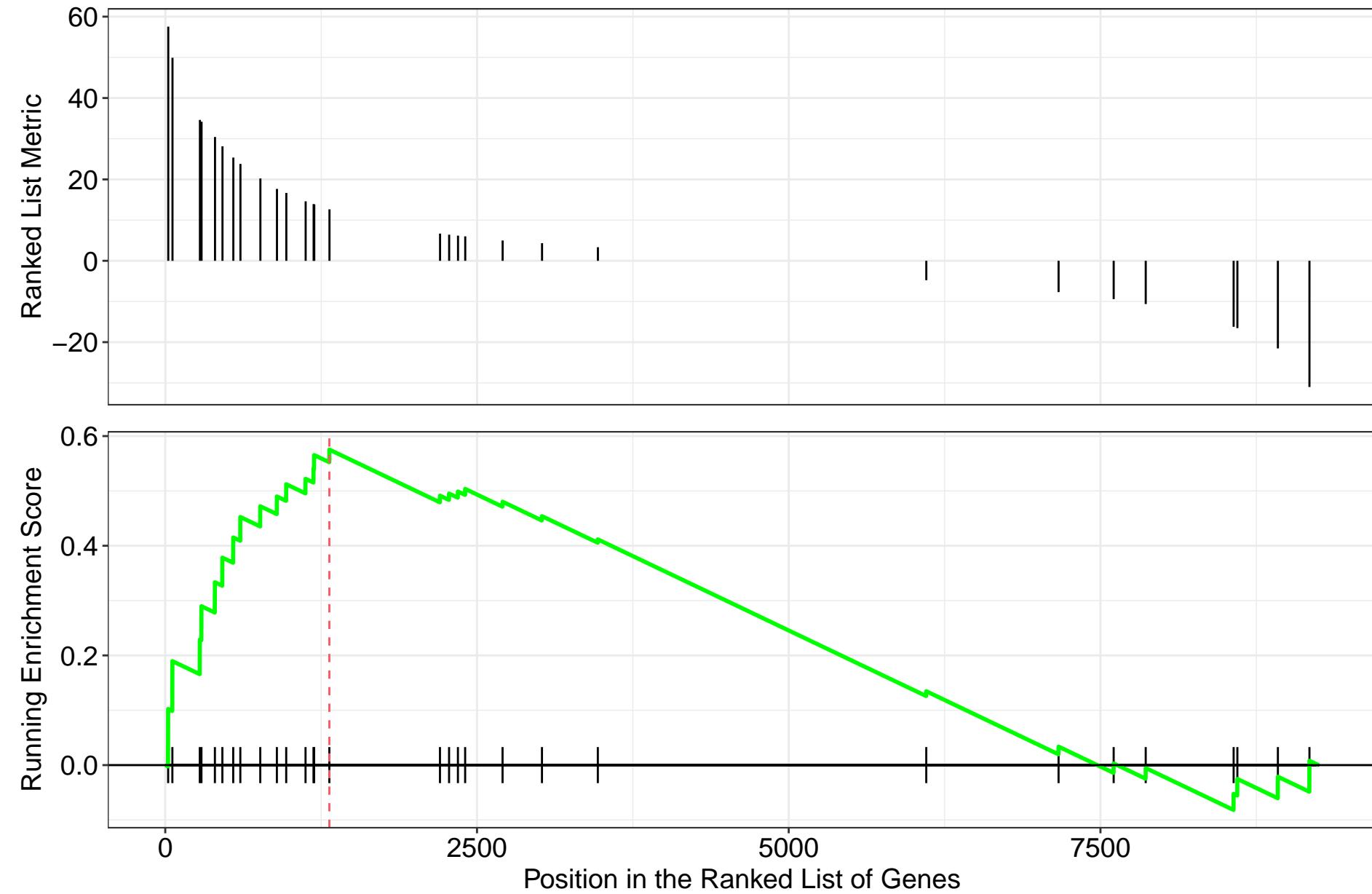
protein kinase C-activating G protein-coupled receptor signaling pathway



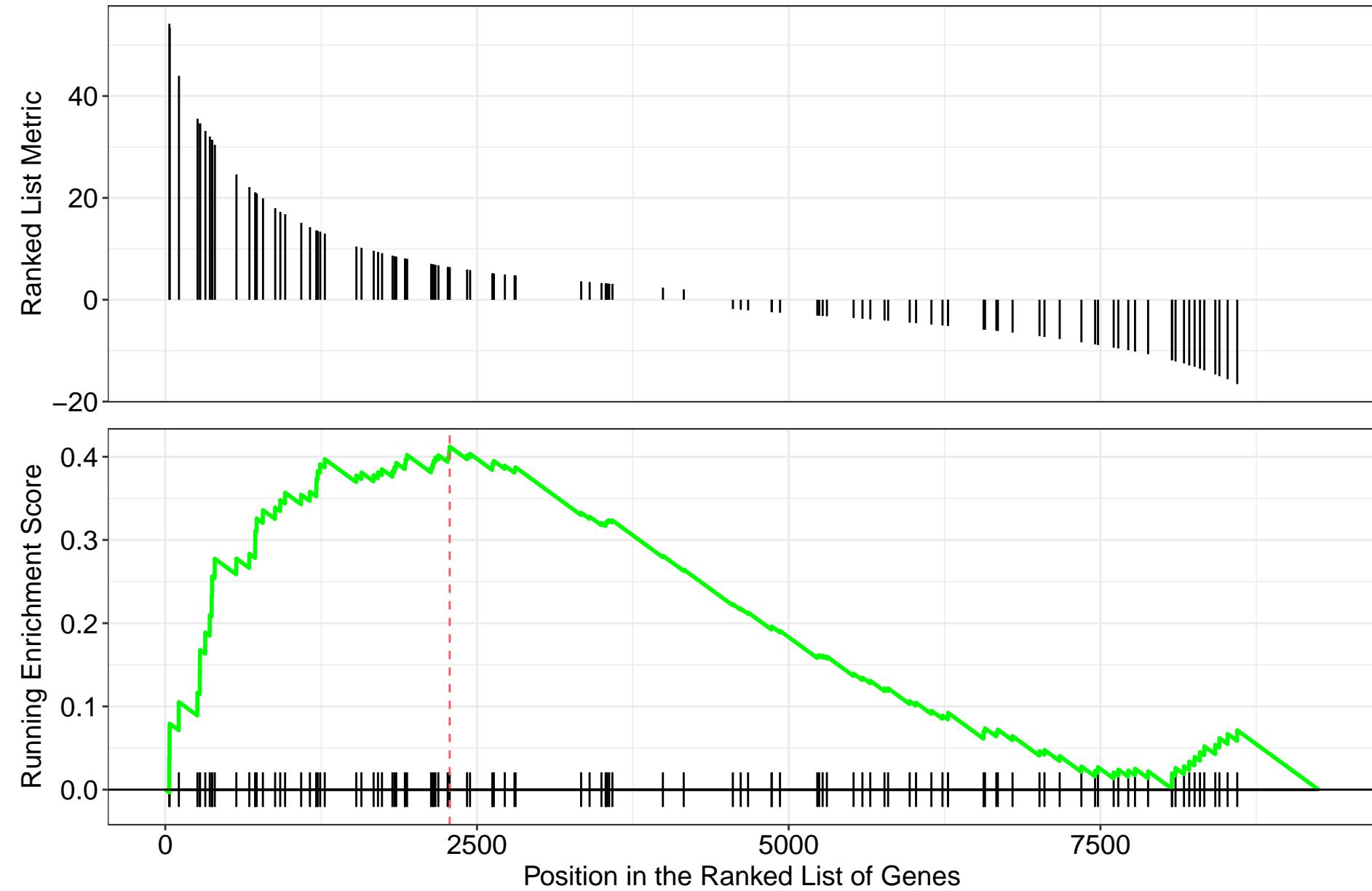
regulation of natural killer cell mediated immunity



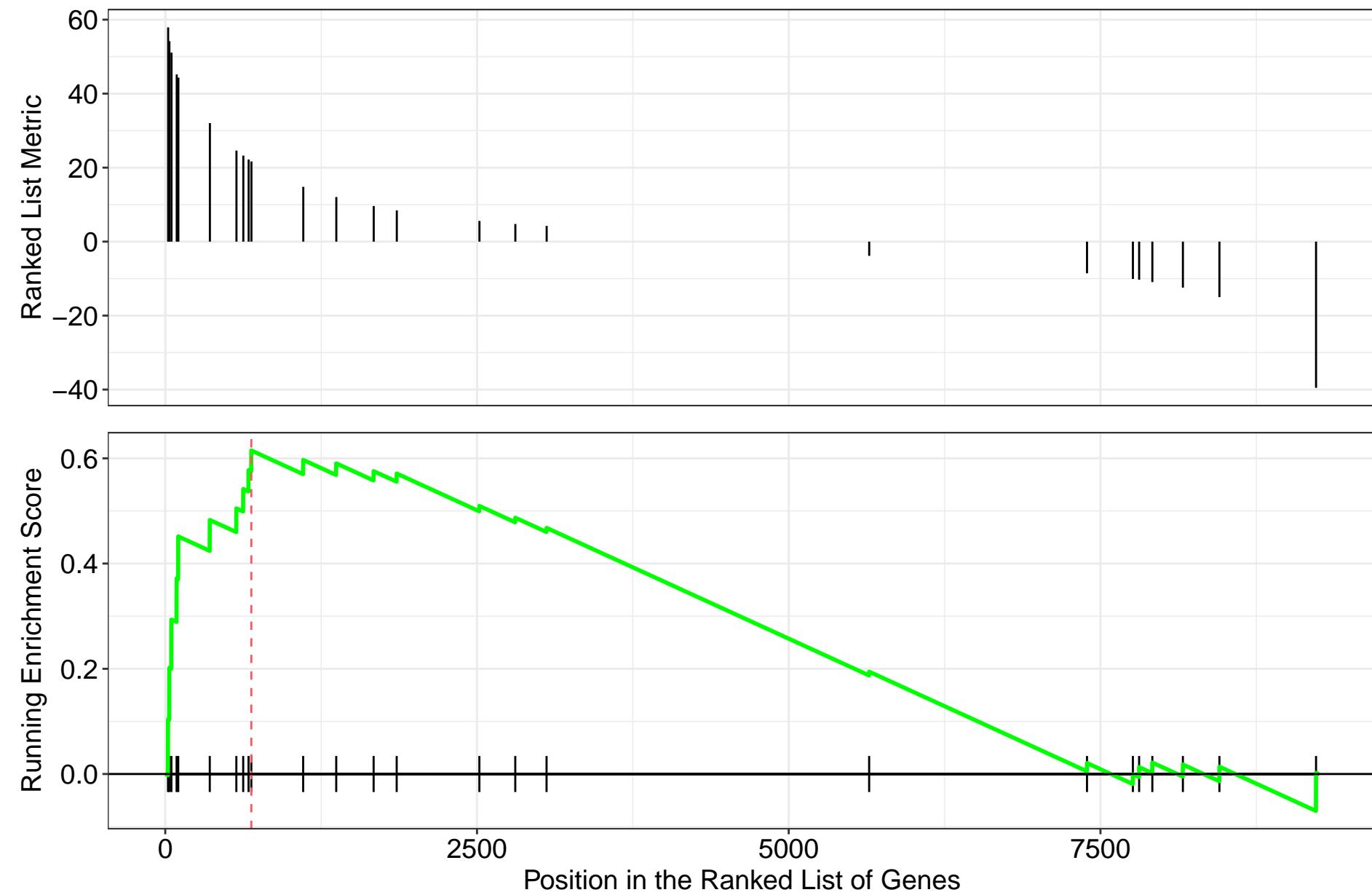
regulation of natural killer cell mediated cytotoxicity



regulation of MAP kinase activity

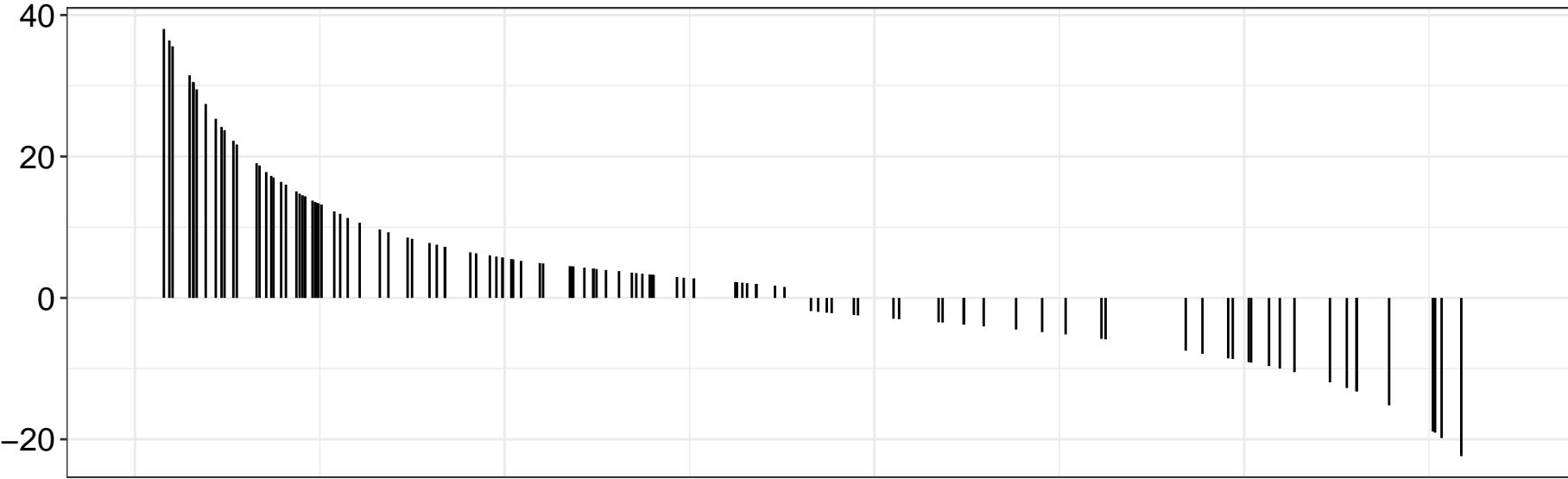


regulation of acute inflammatory response

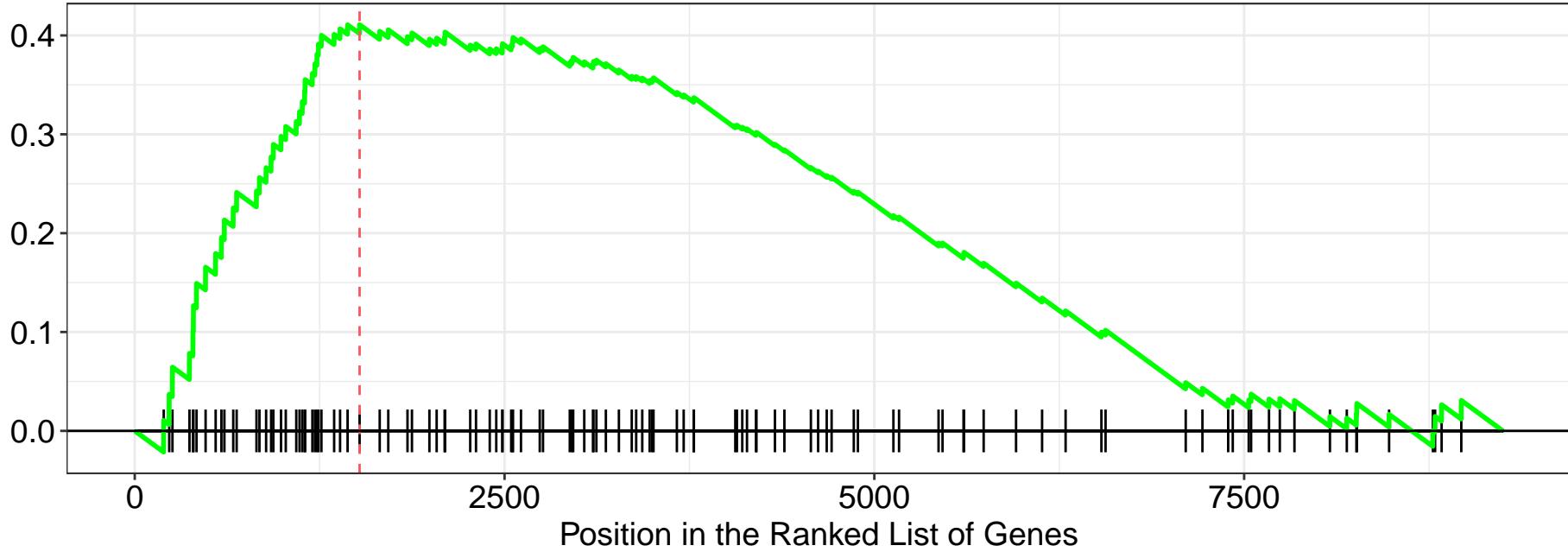


protein processing

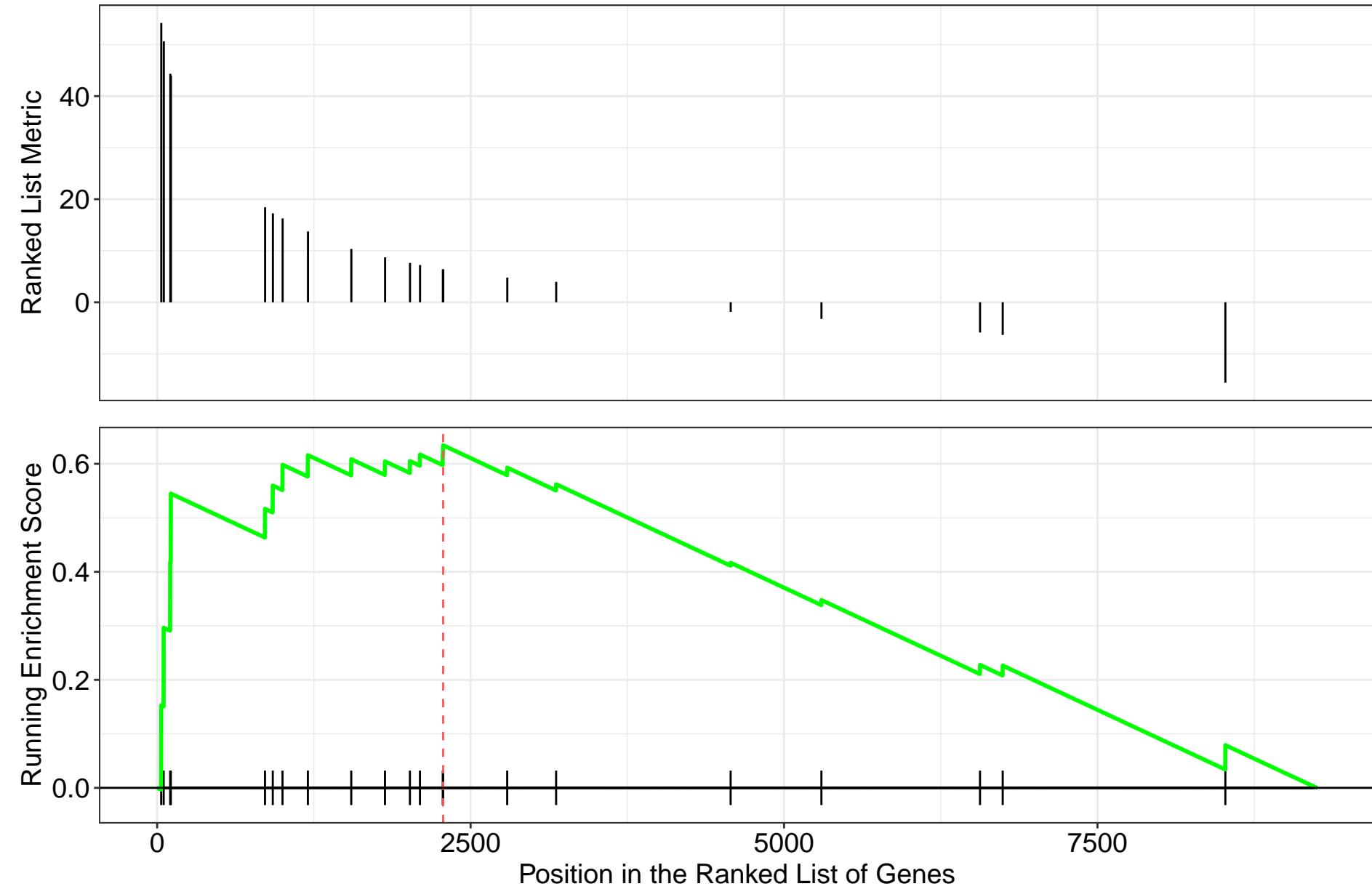
Ranked List Metric



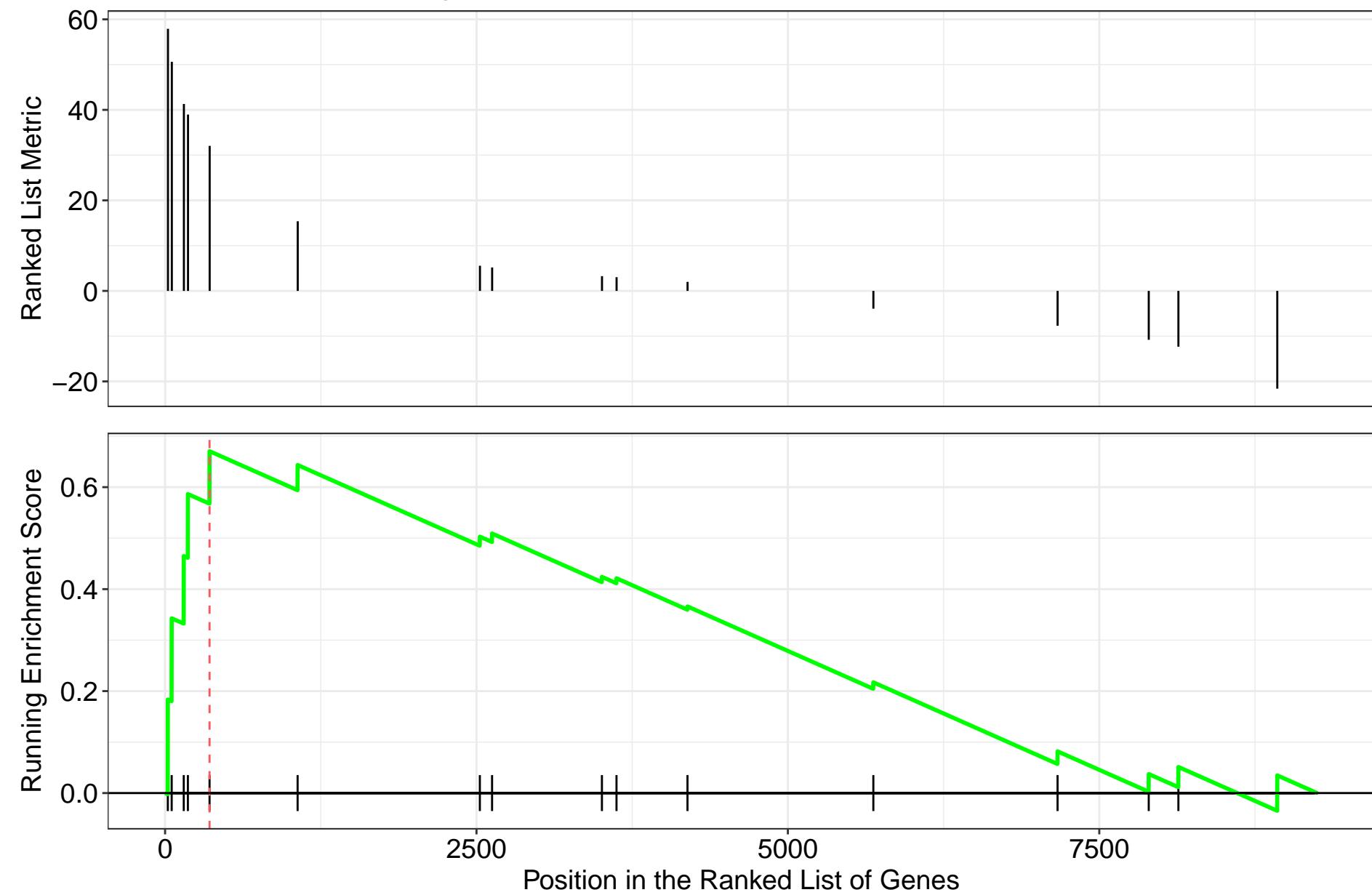
Running Enrichment Score



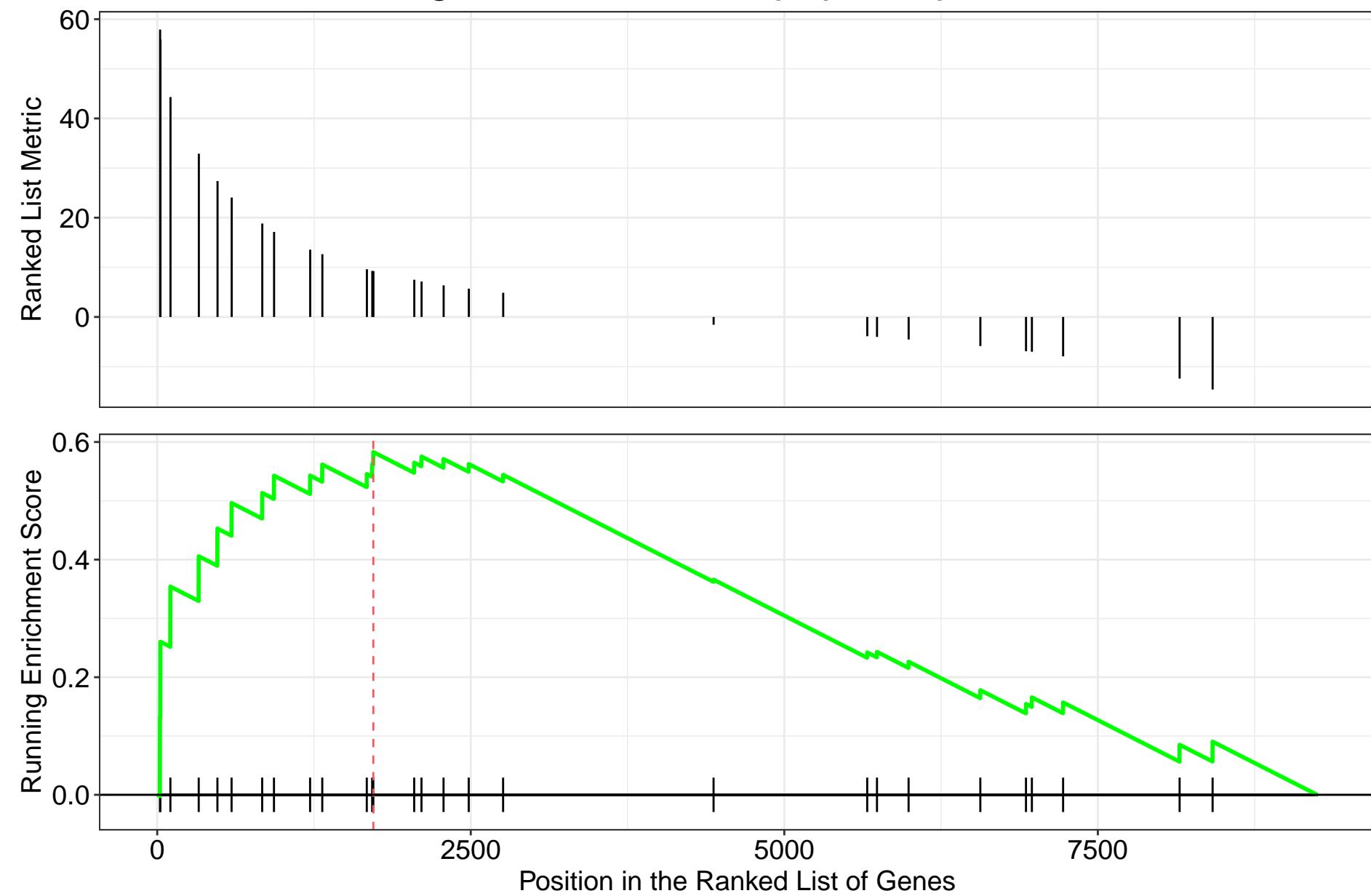
regulation of fatty acid transport



regulation of lymphocyte chemotaxis

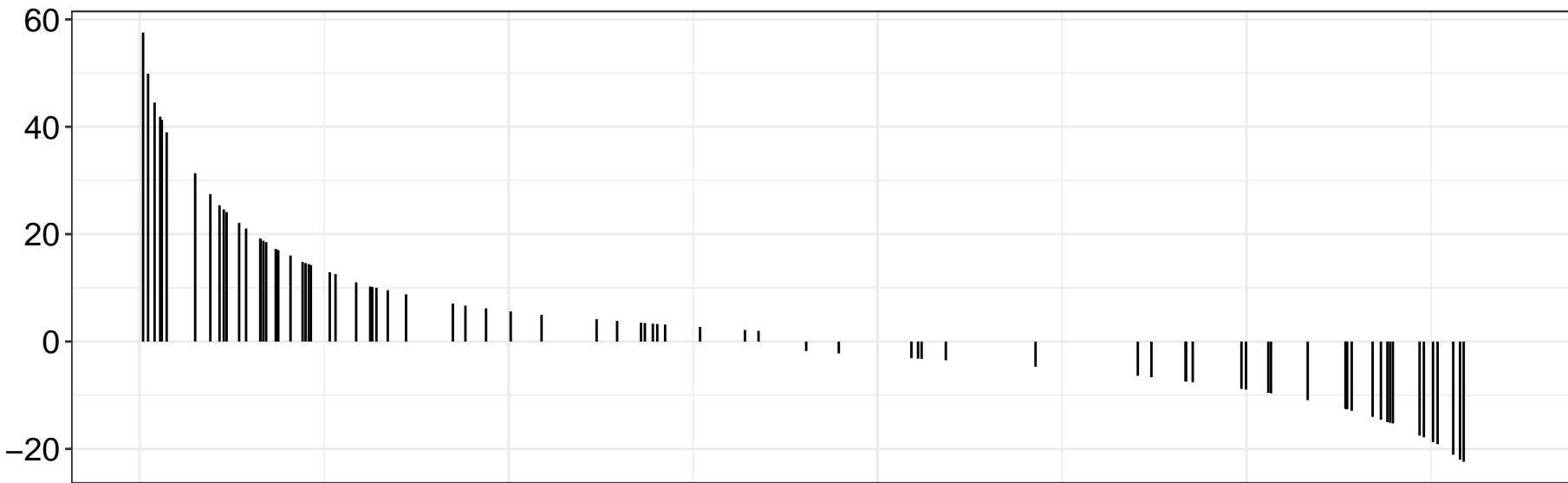


regulation of T cell apoptotic process



endothelial cell proliferation

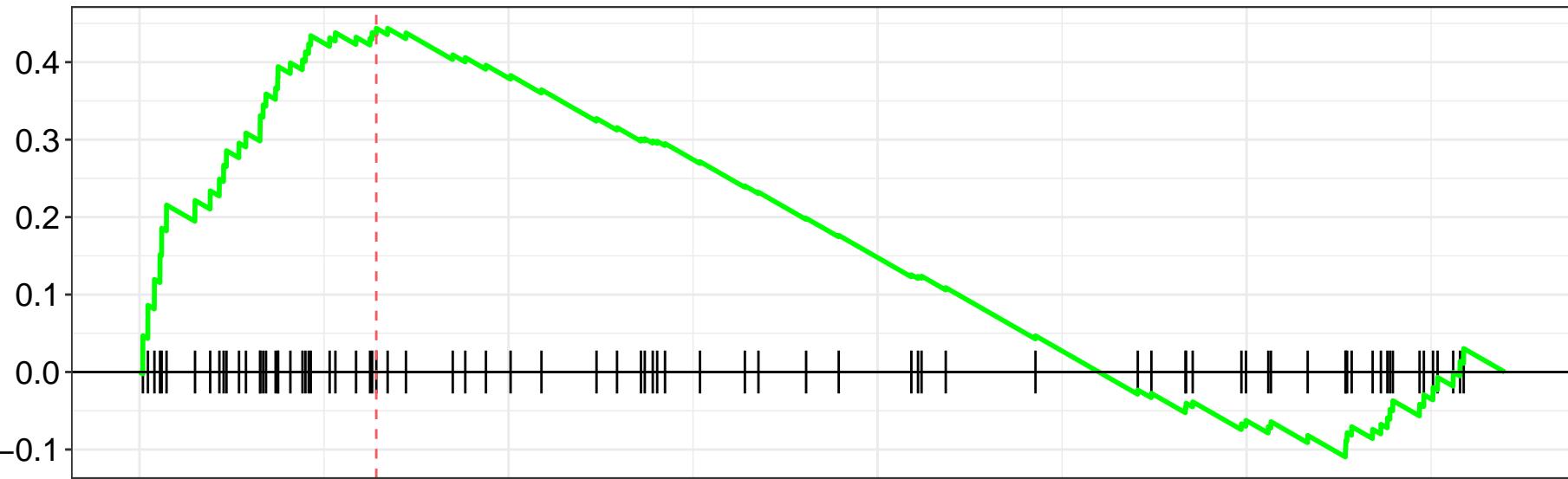
Ranked List Metric



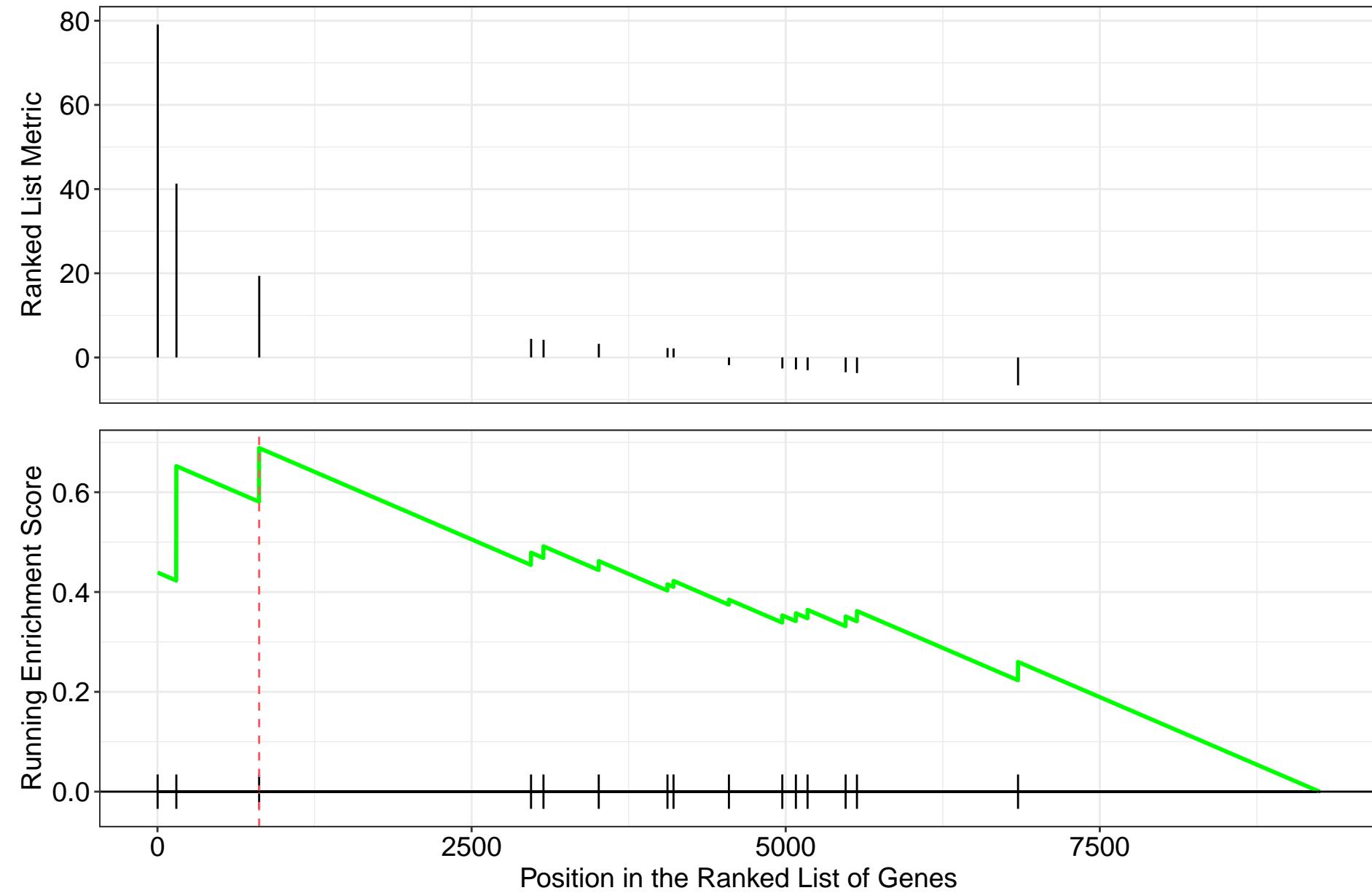
Running Enrichment Score

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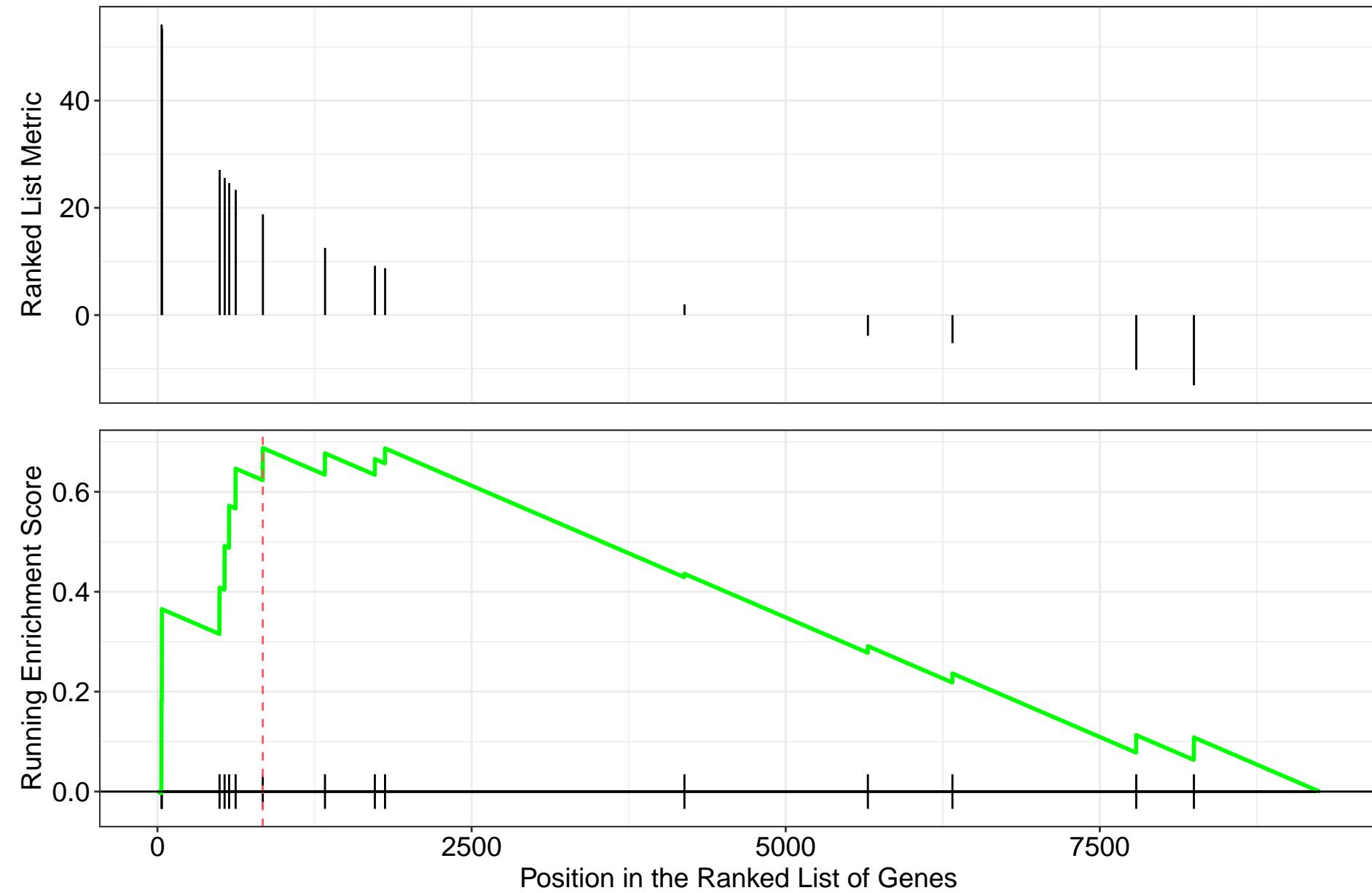
Position in the Ranked List of Genes



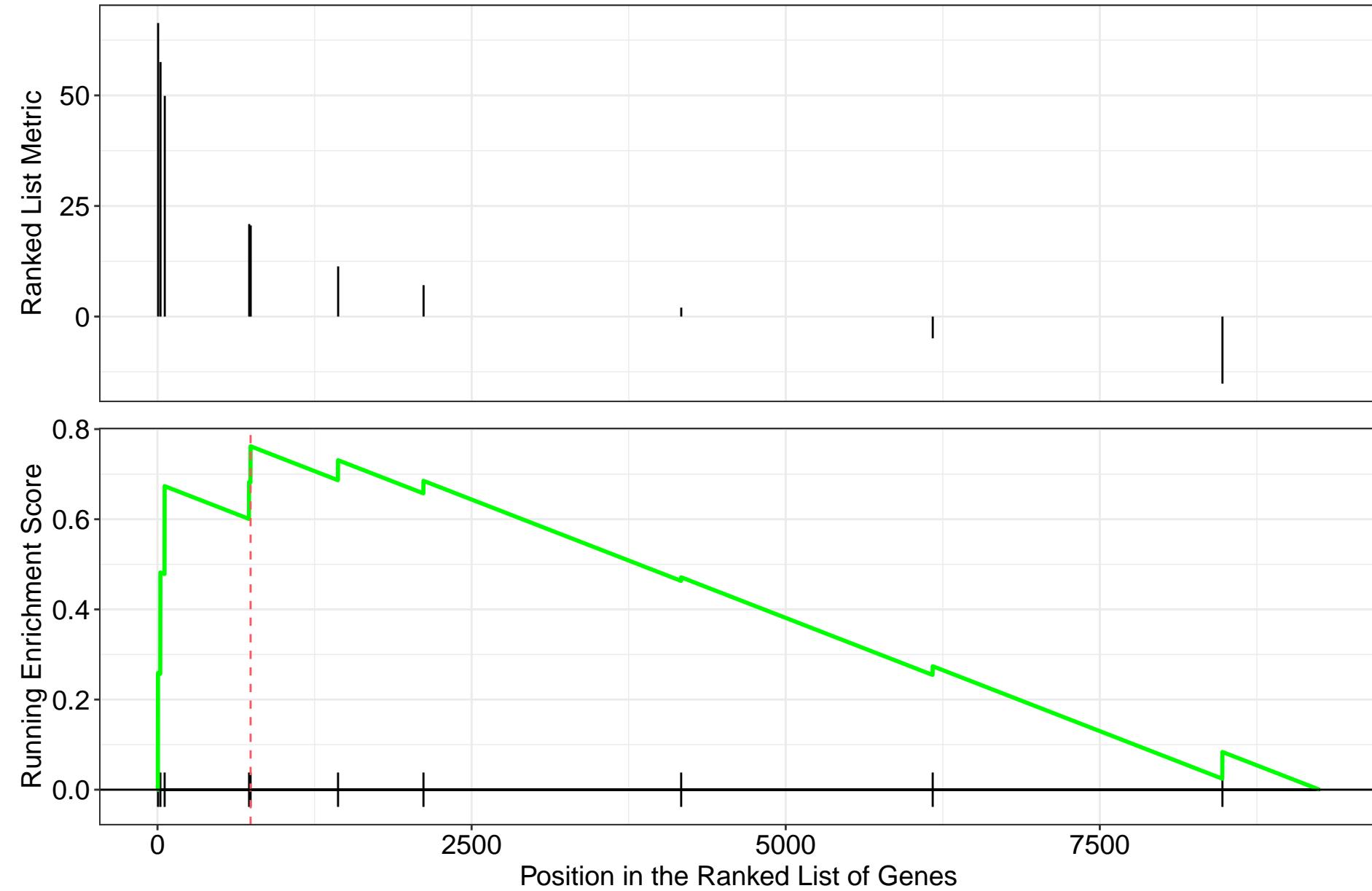
modulation by host of viral genome replication



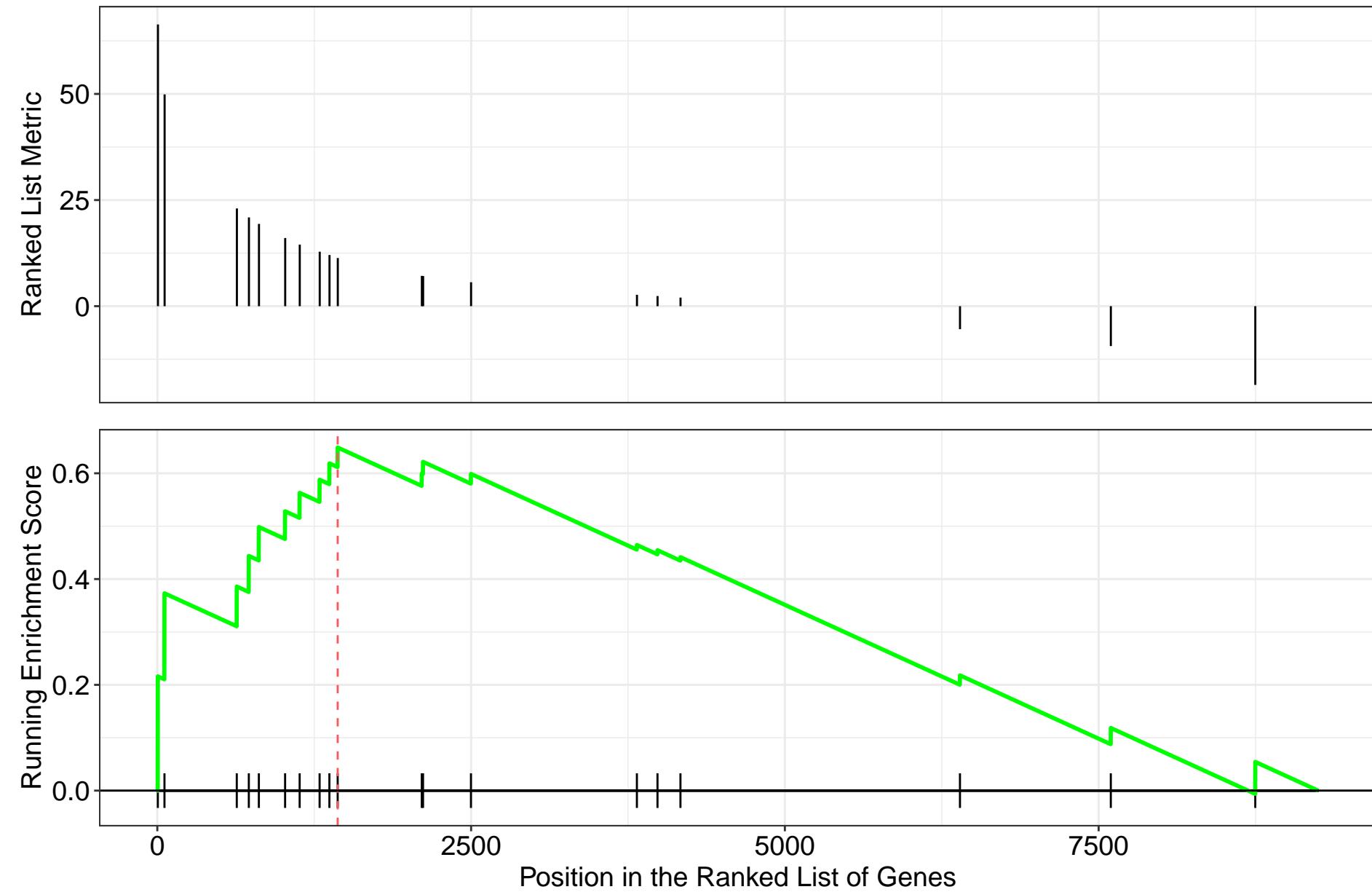
regulation of heterotypic cell–cell adhesion



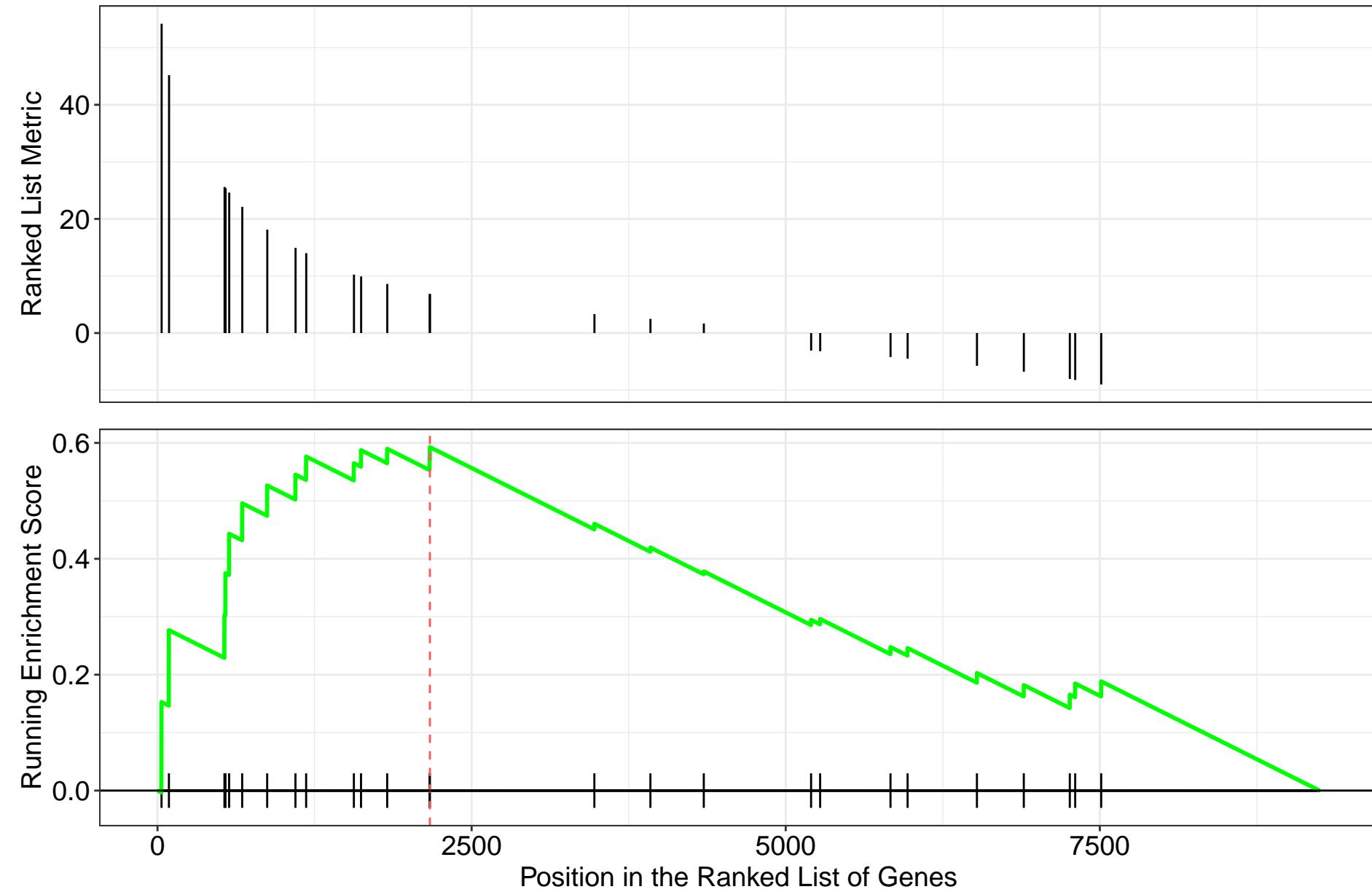
regulation of NK T cell proliferation



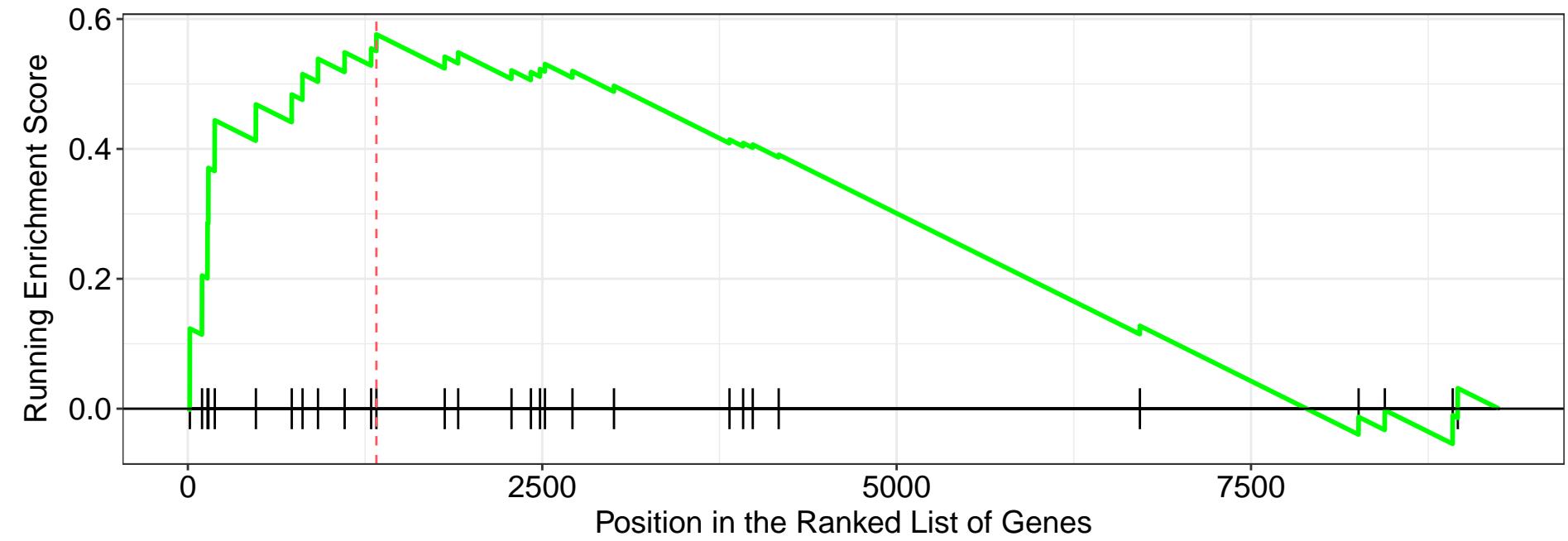
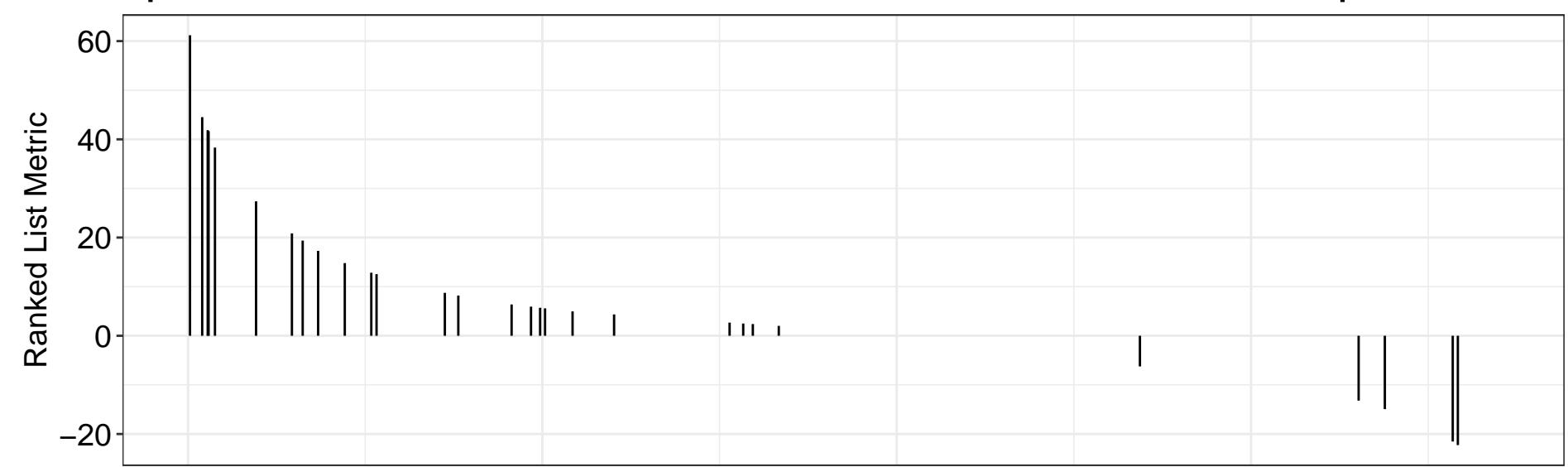
regulation of T-helper 17 type immune response



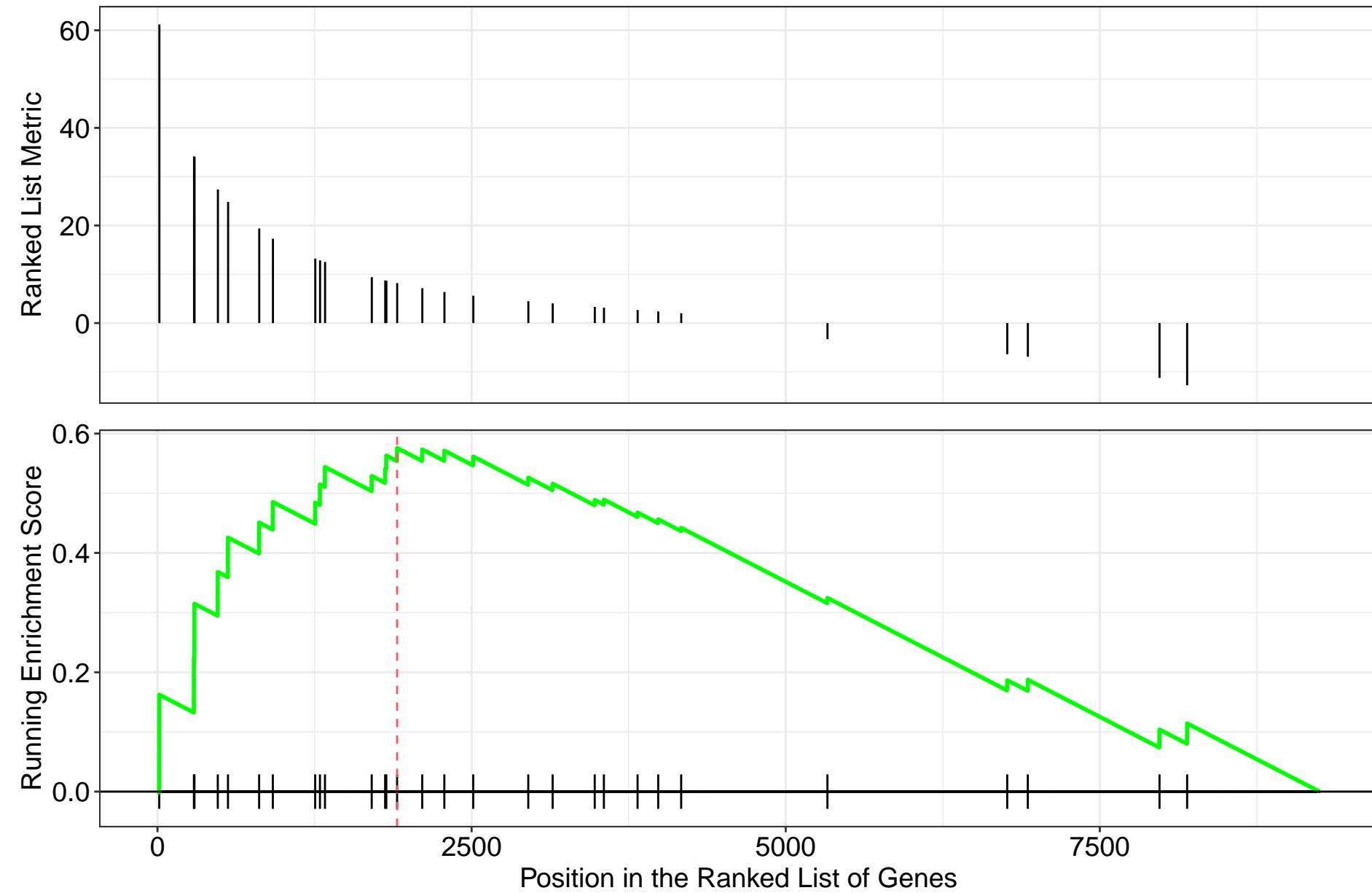
regulation of glial cell proliferation



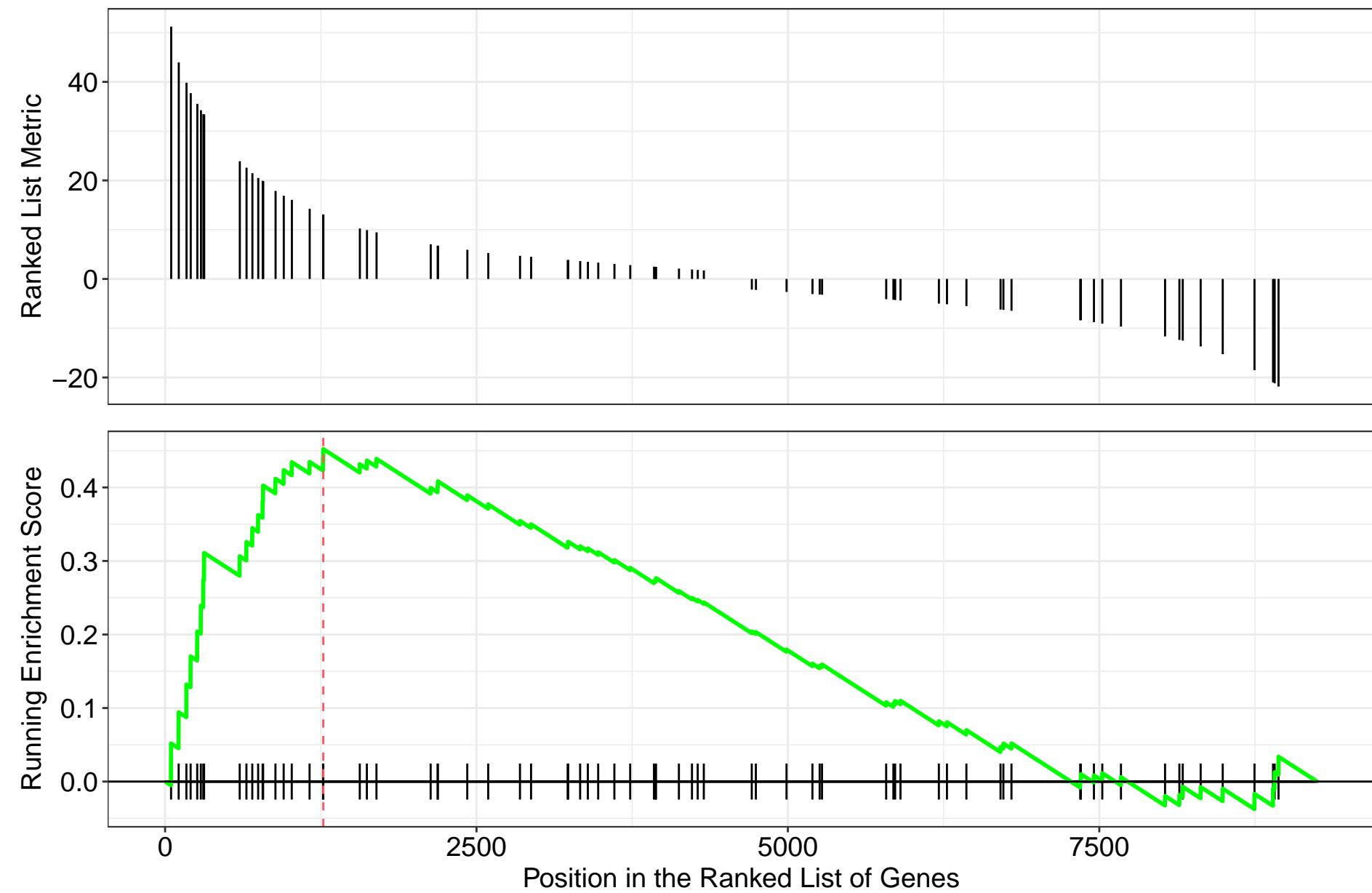
Immune response based on somatic recombination of immune receptors built from



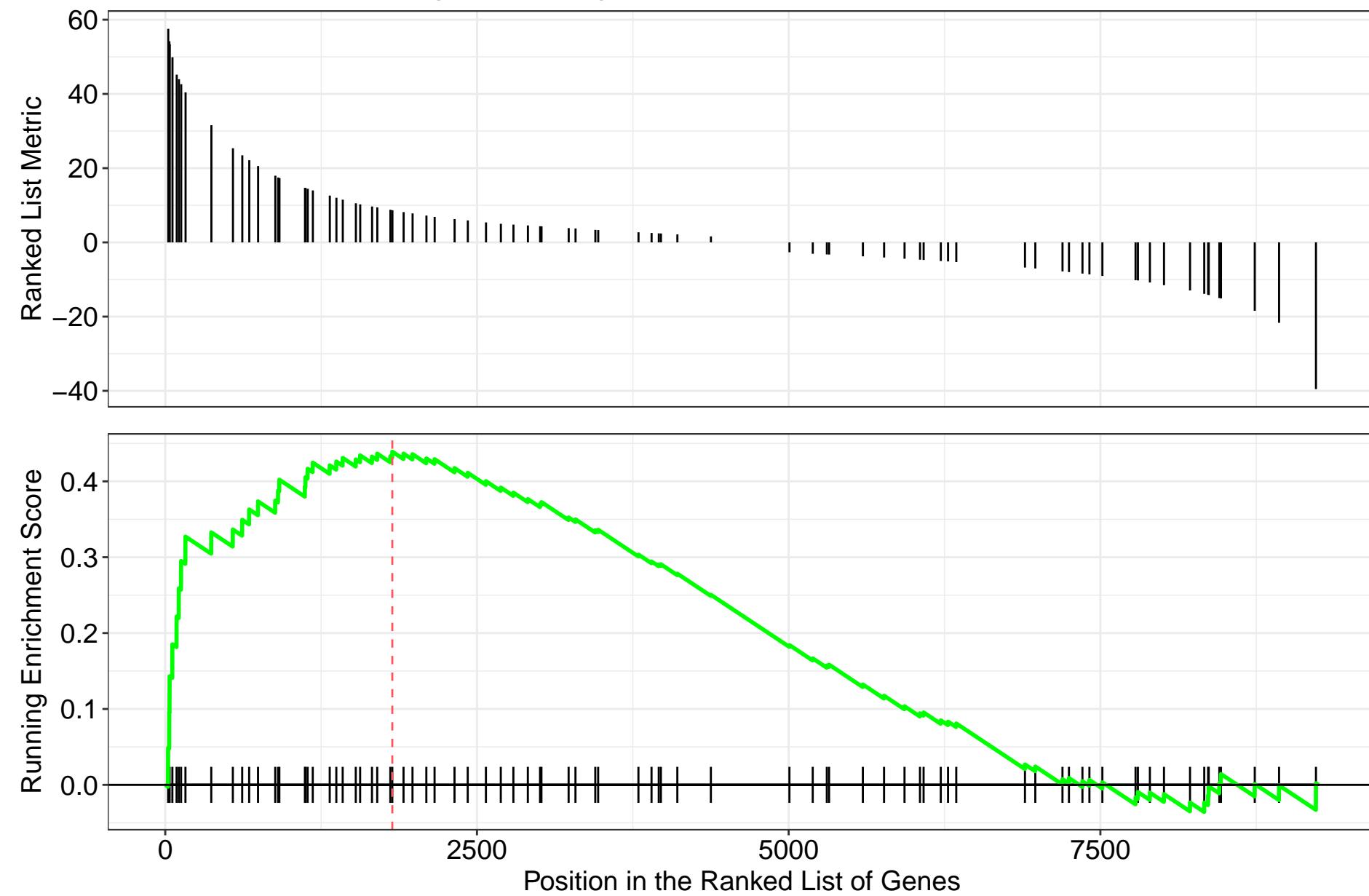
negative regulation of T cell differentiation



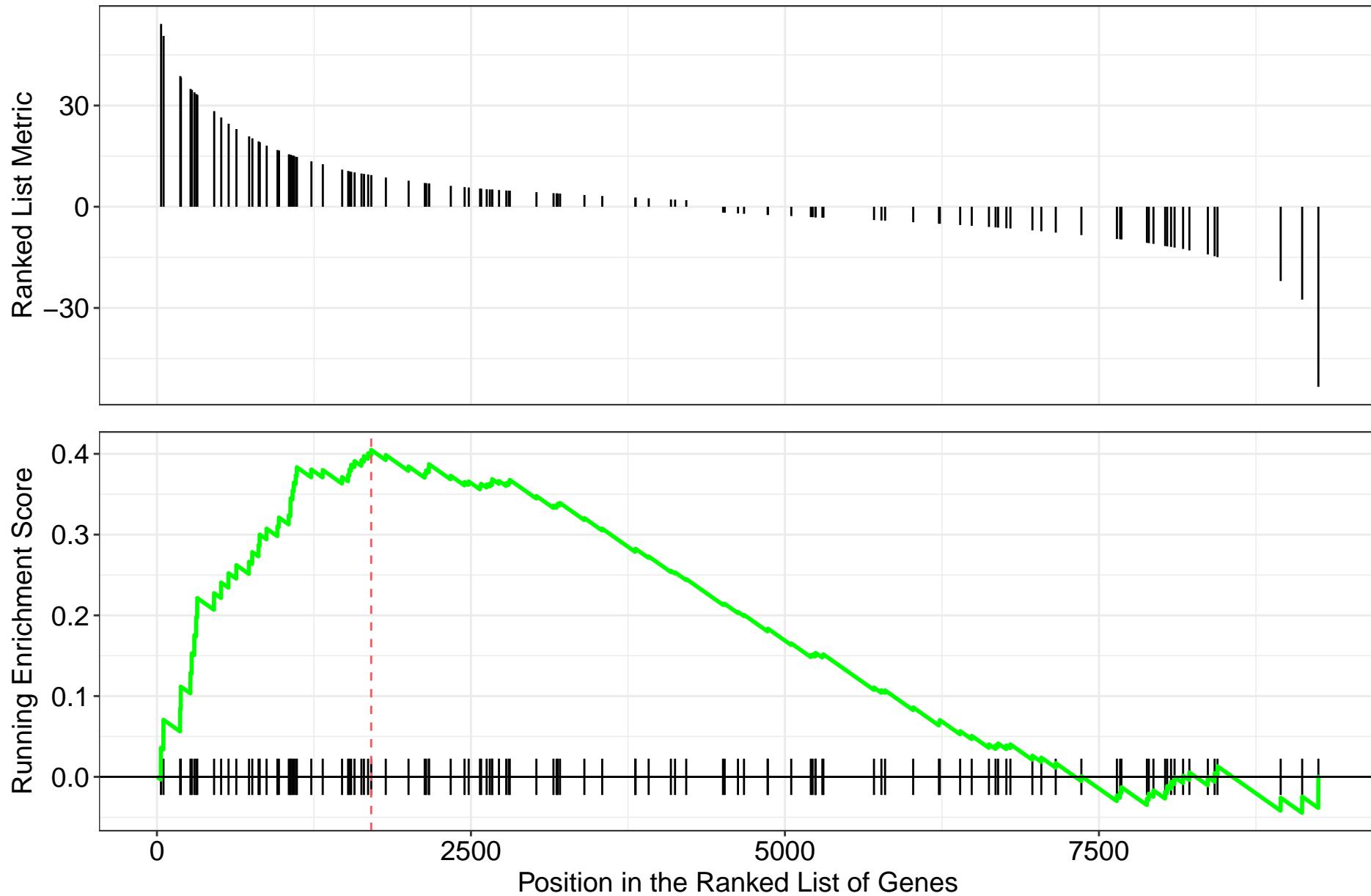
cardiocyte differentiation



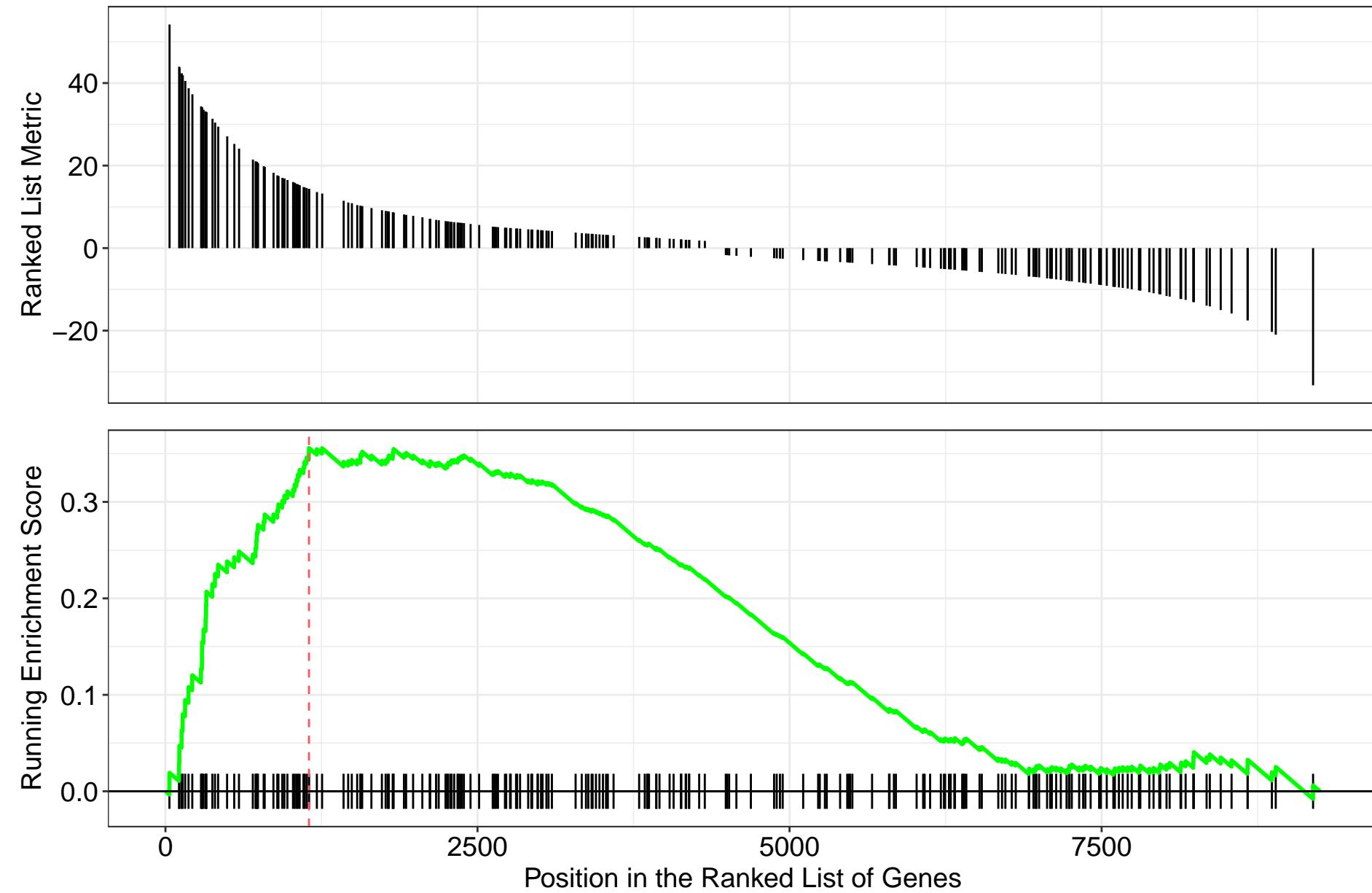
negative regulation of secretion by cell



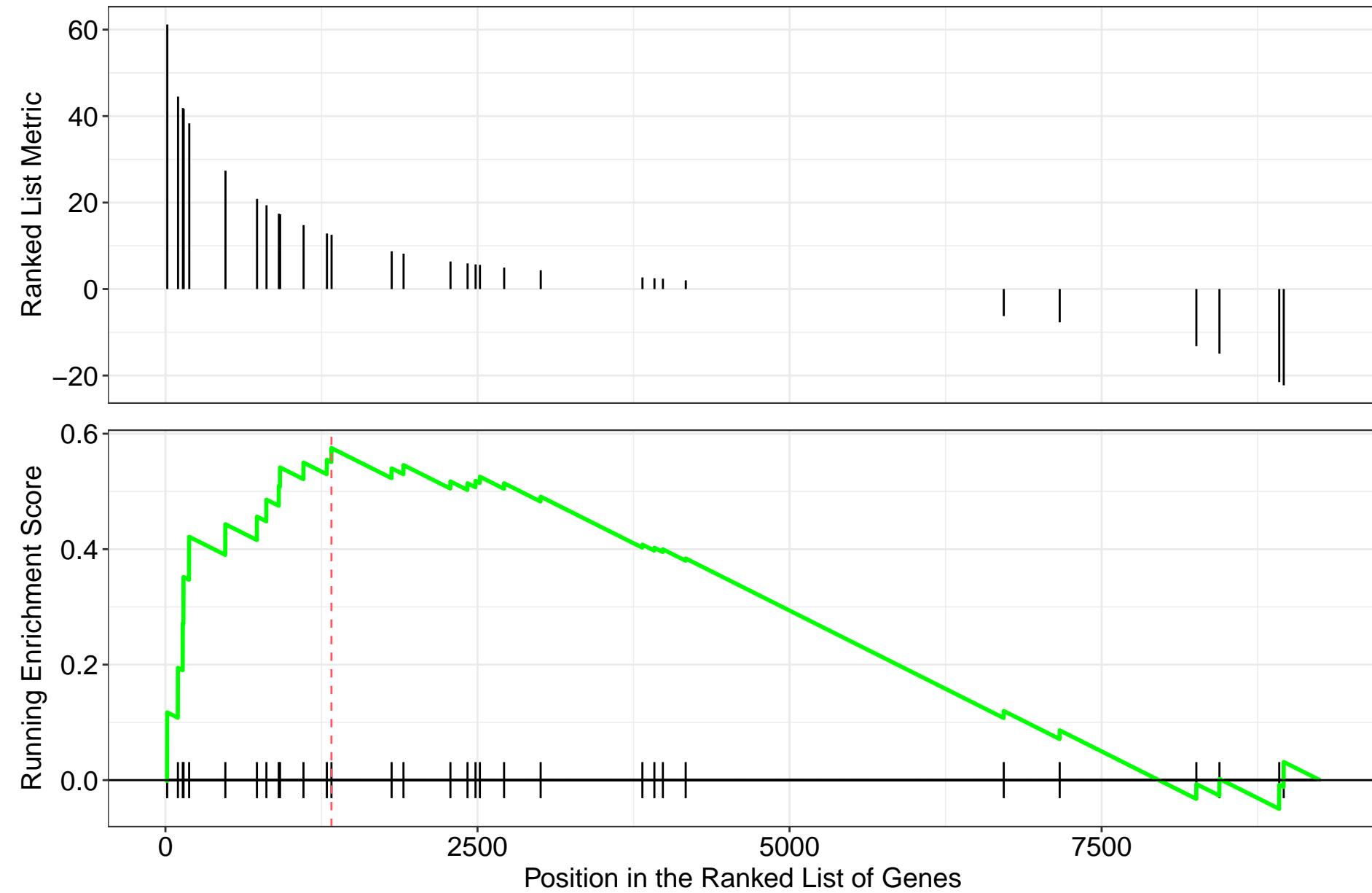
regulation of stress-activated protein kinase signaling cascade



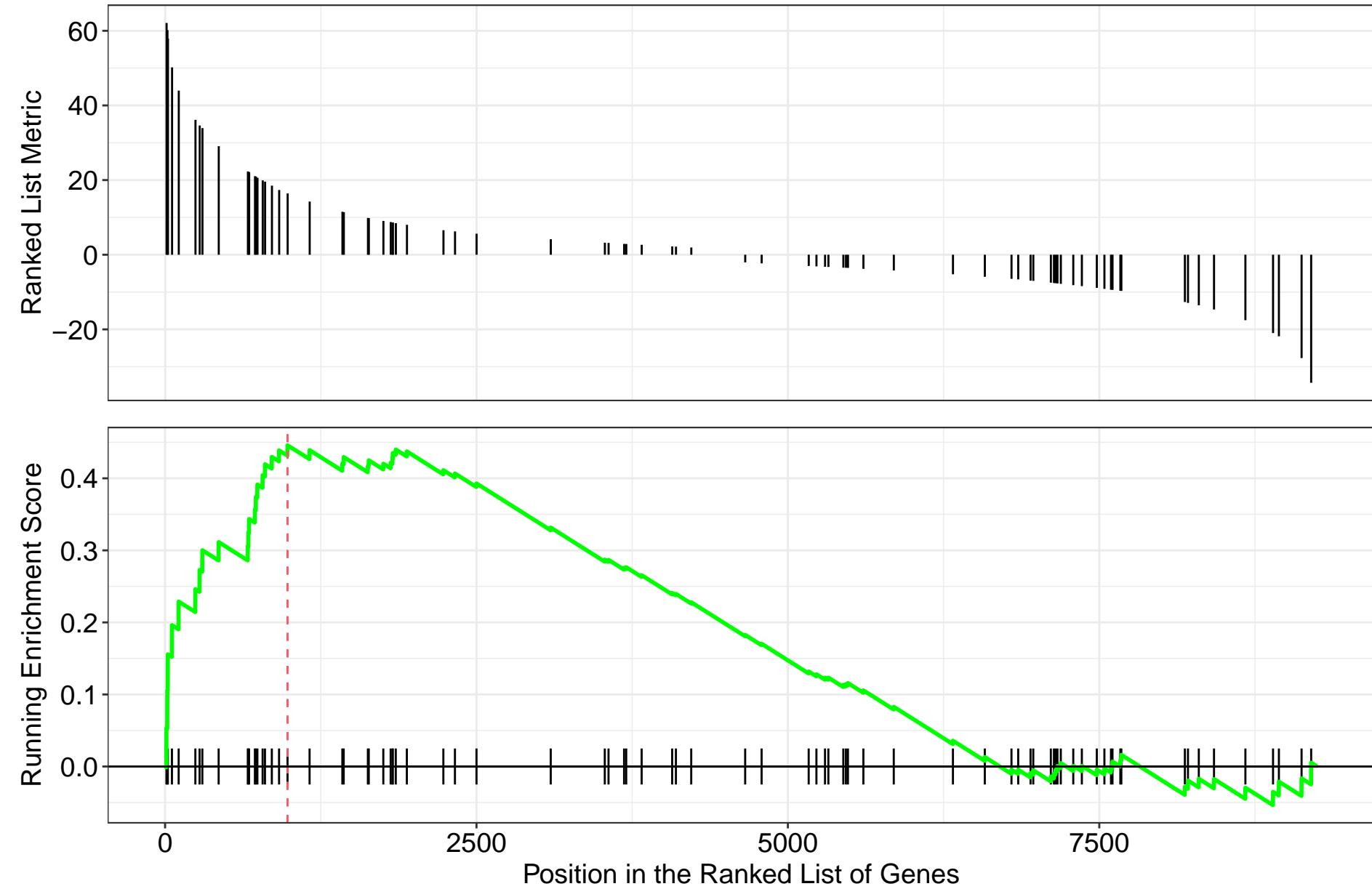
response to peptide



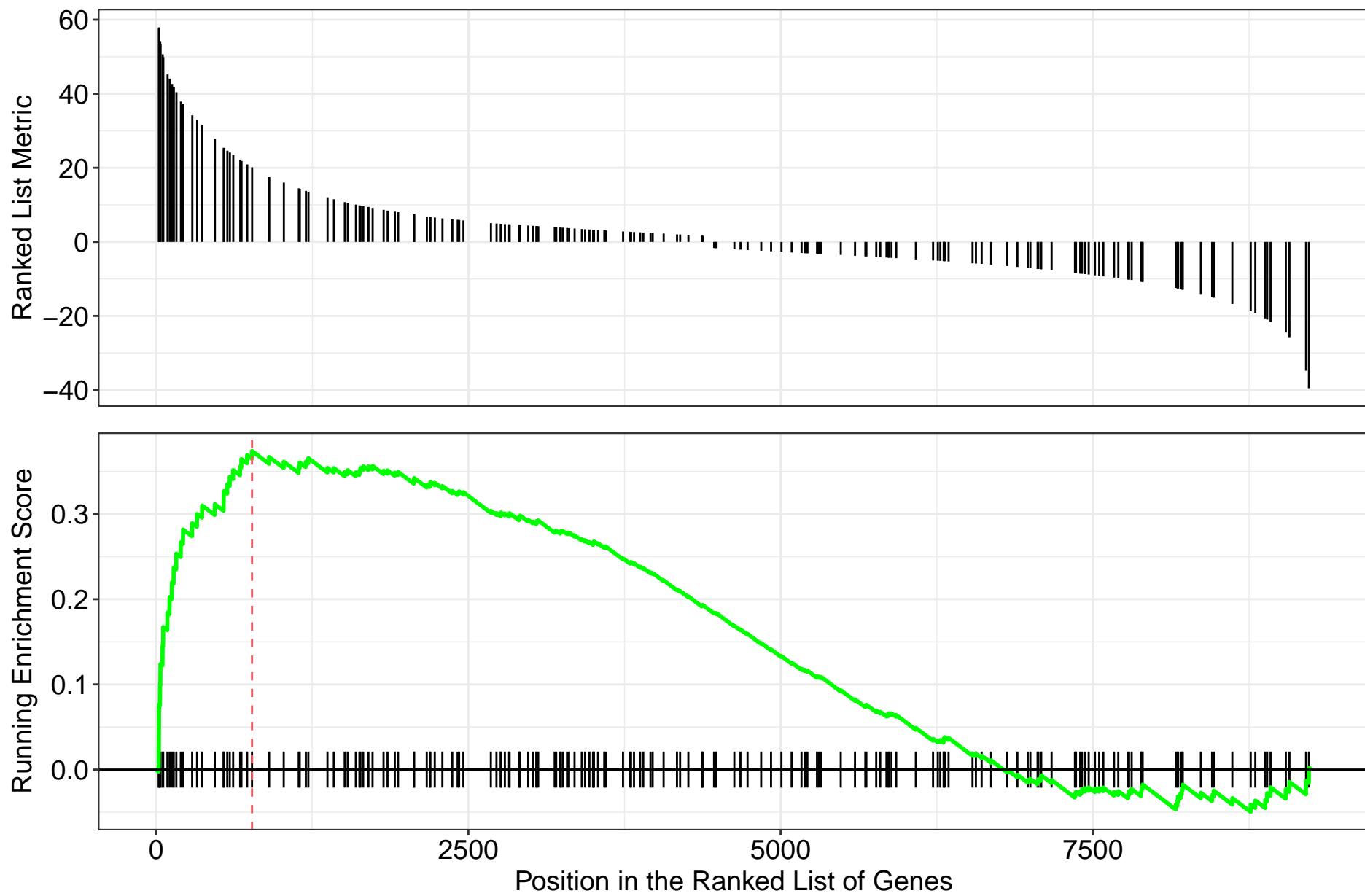
negative regulation of adaptive immune response



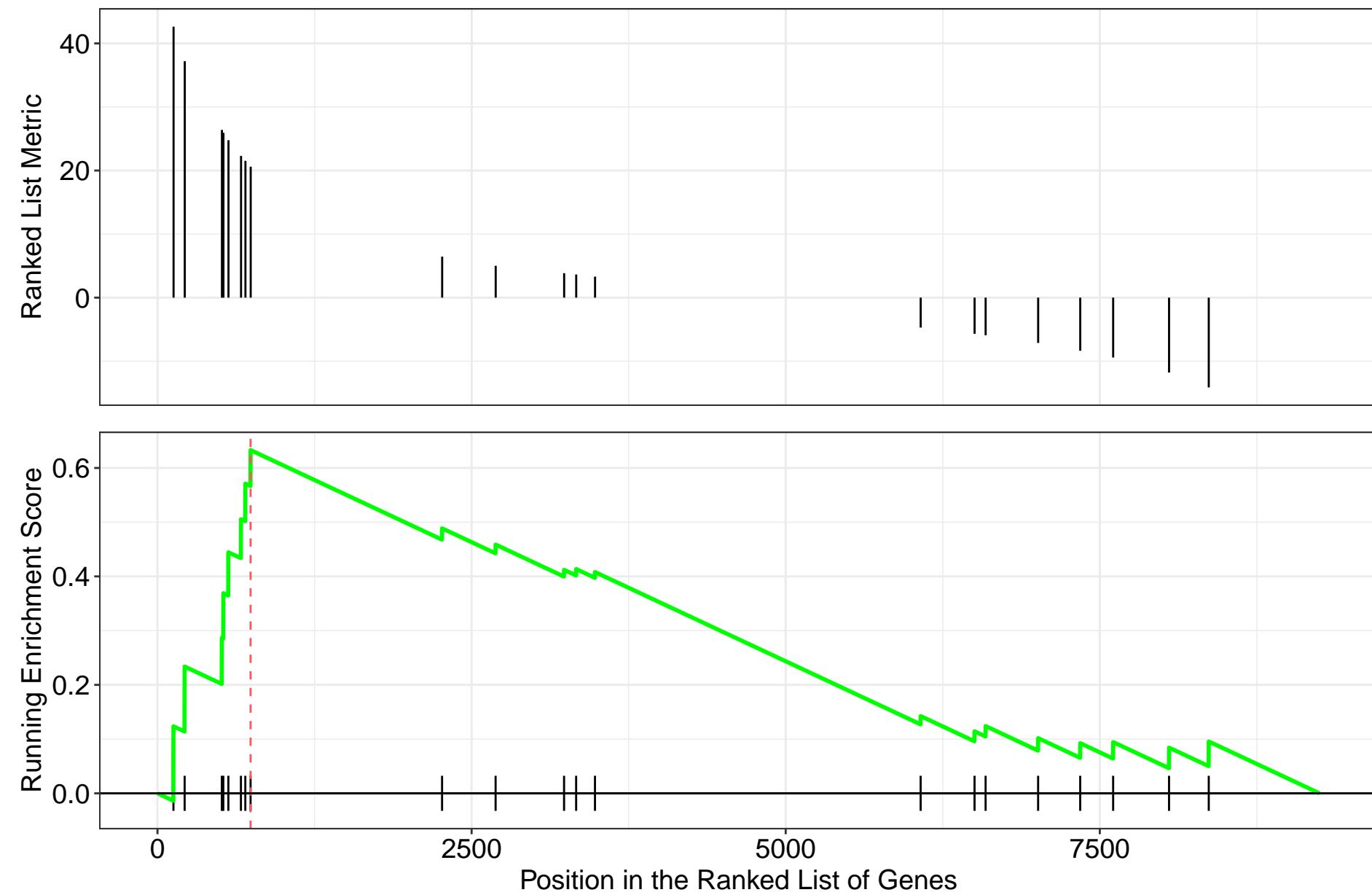
inositol lipid-mediated signaling



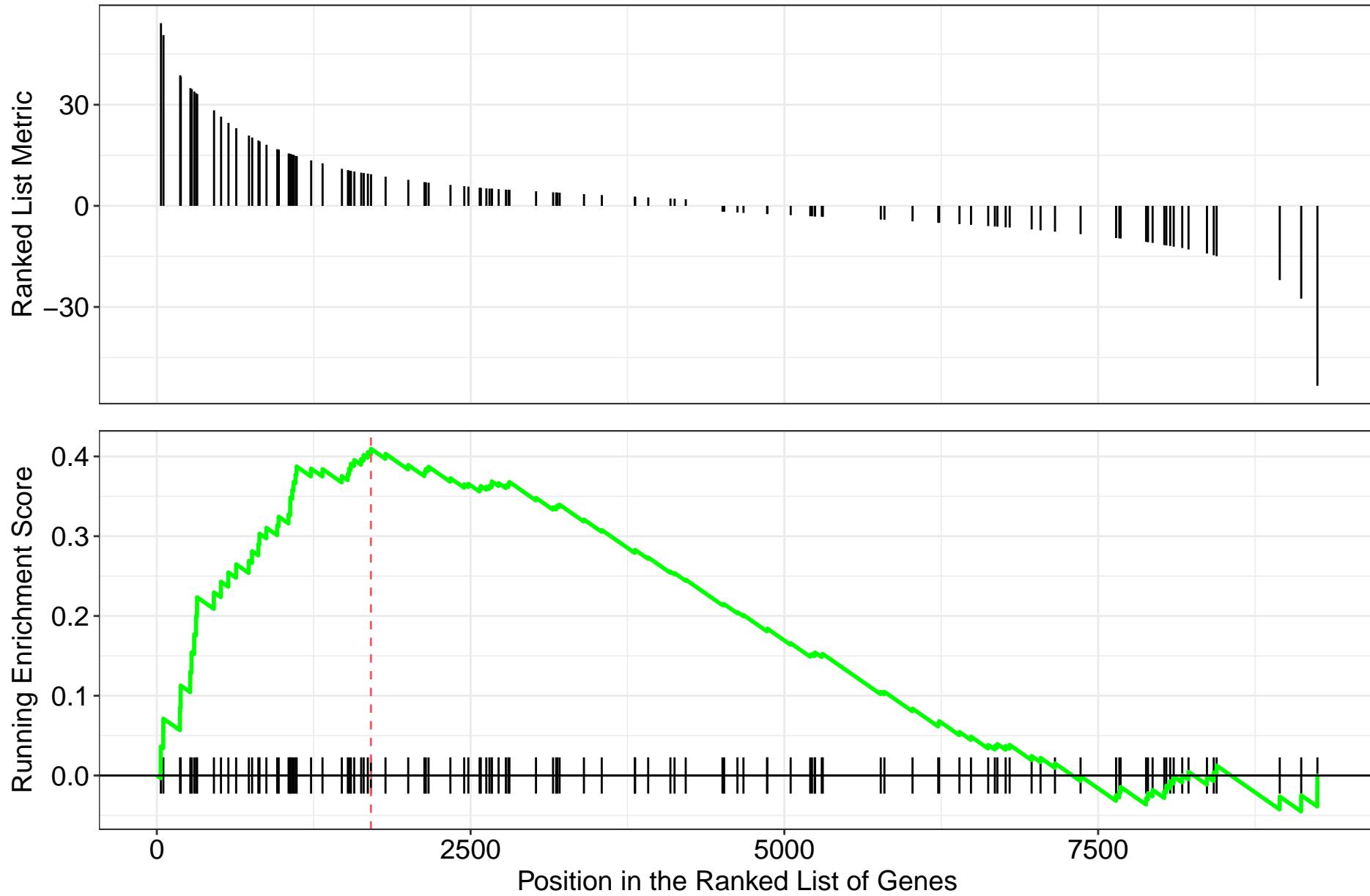
protein localization to extracellular region



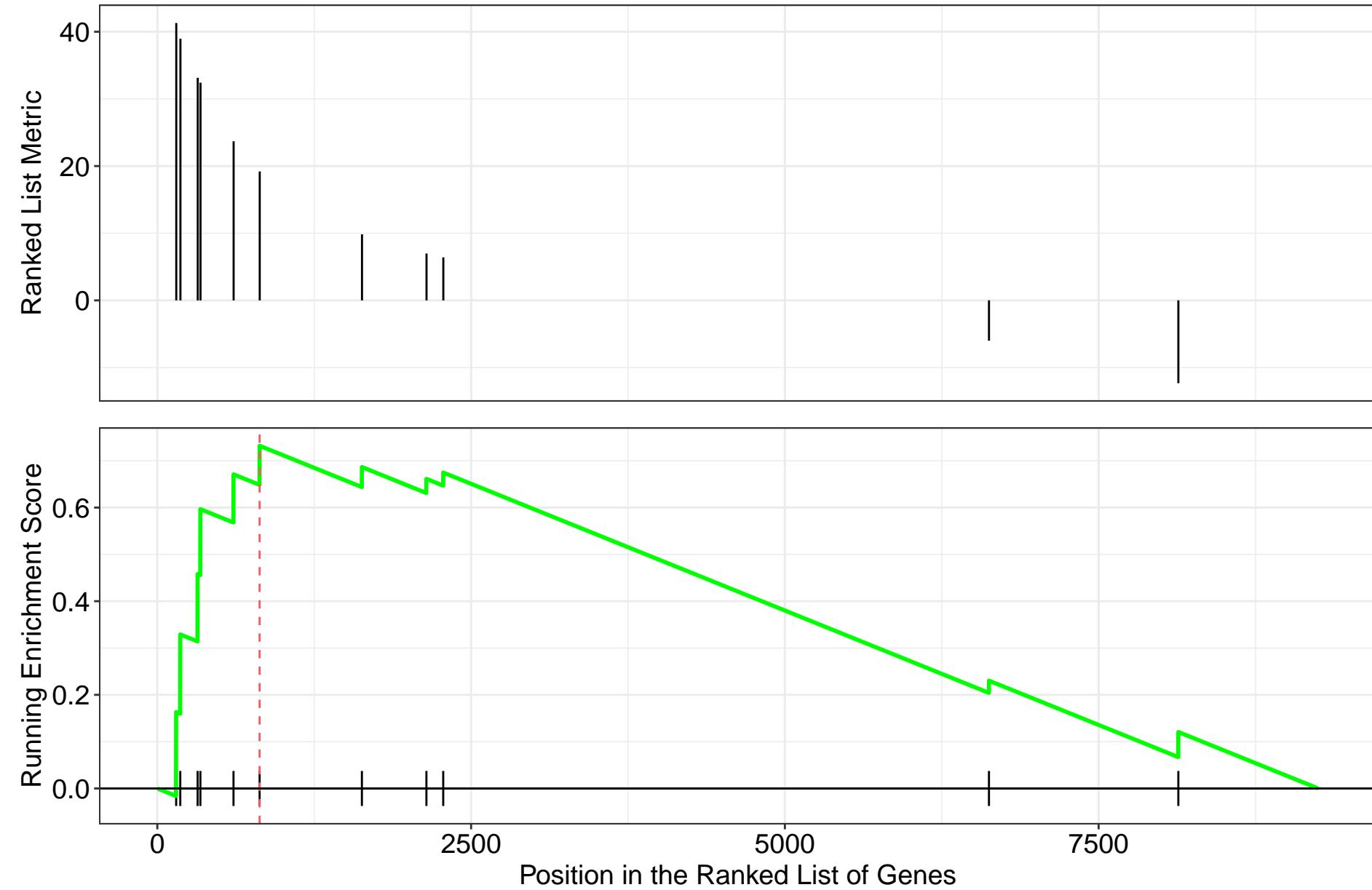
regulation of vascular permeability



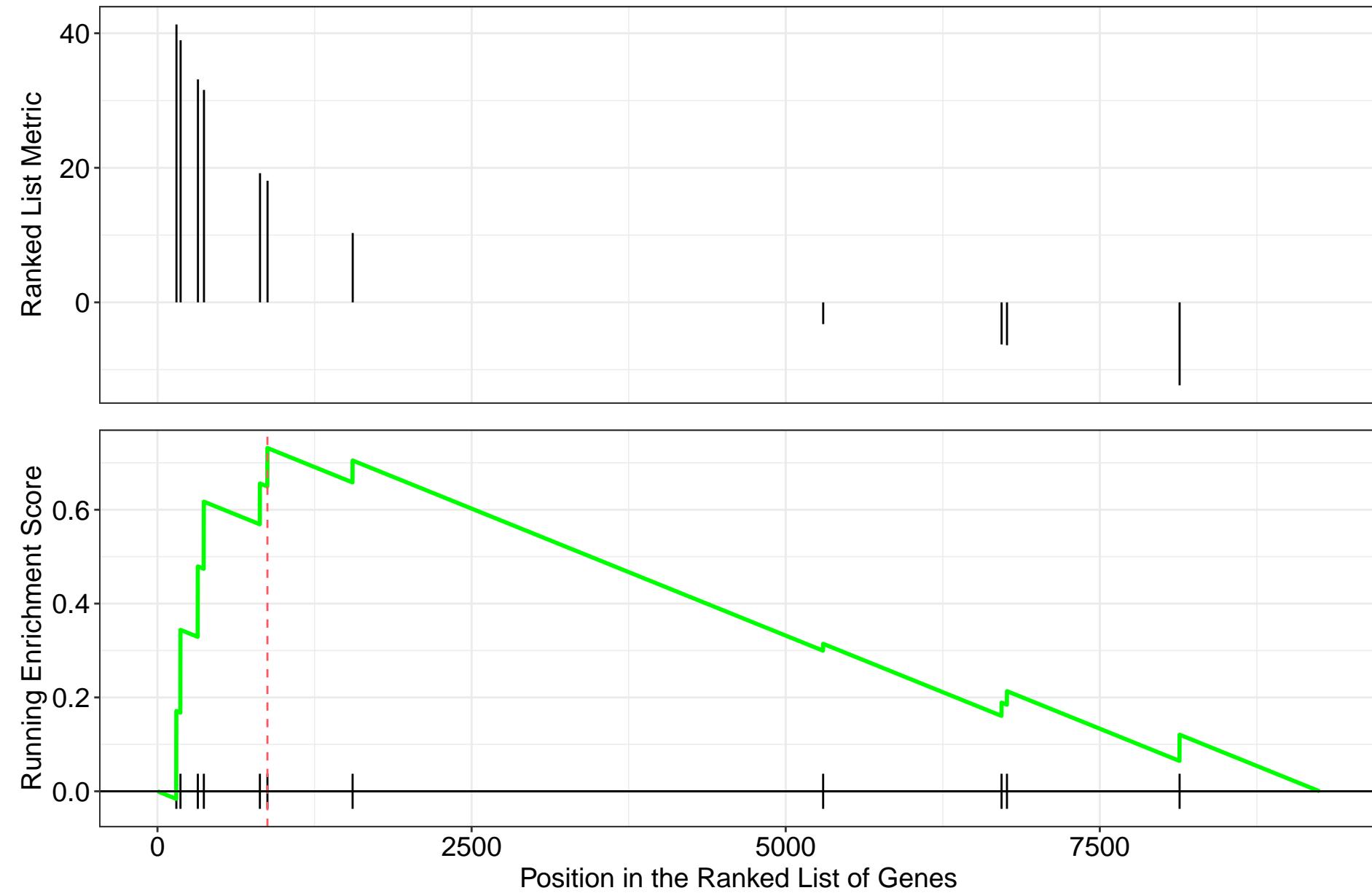
regulation of stress-activated MAPK cascade



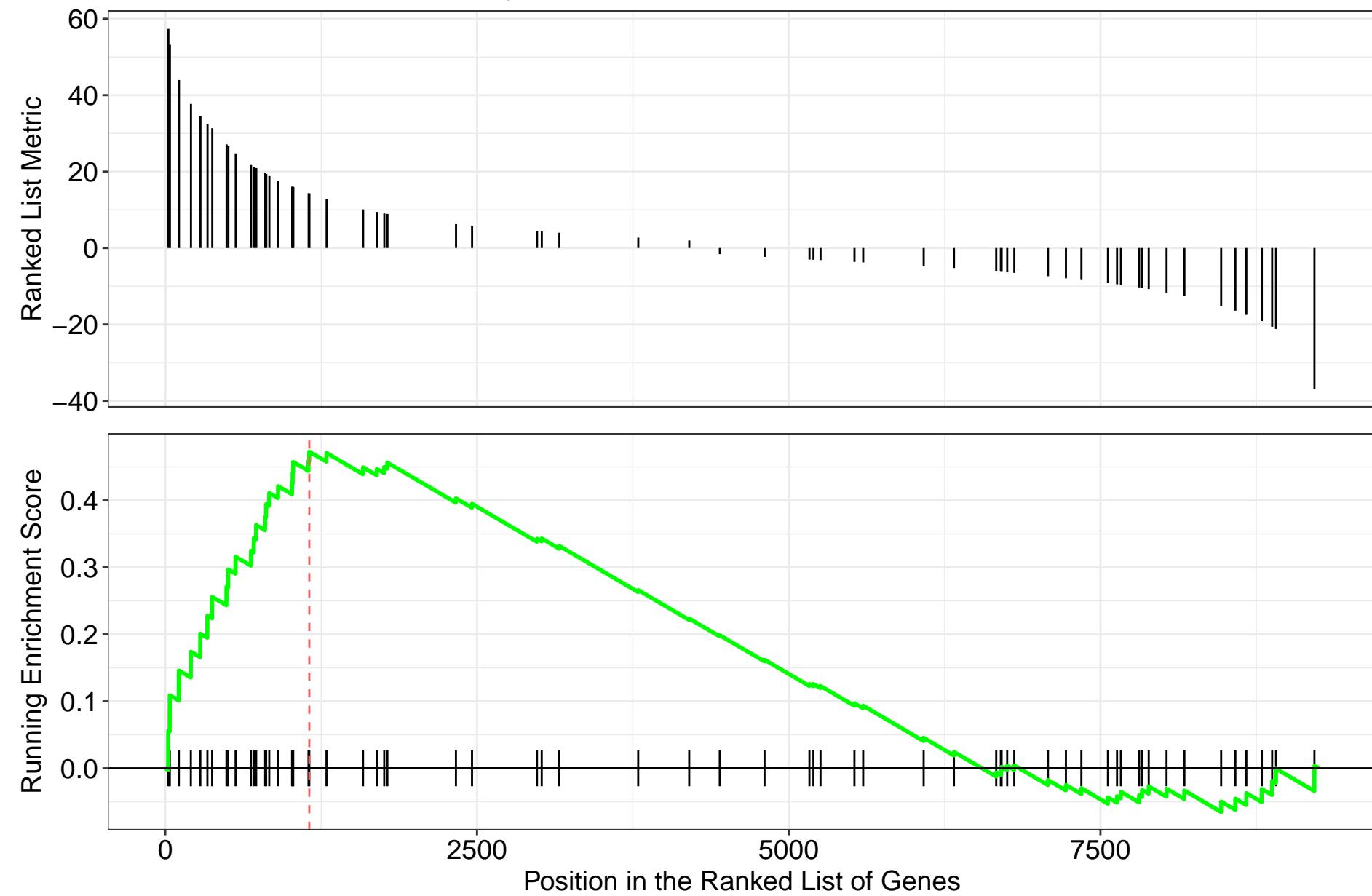
negative regulation of leukocyte chemotaxis



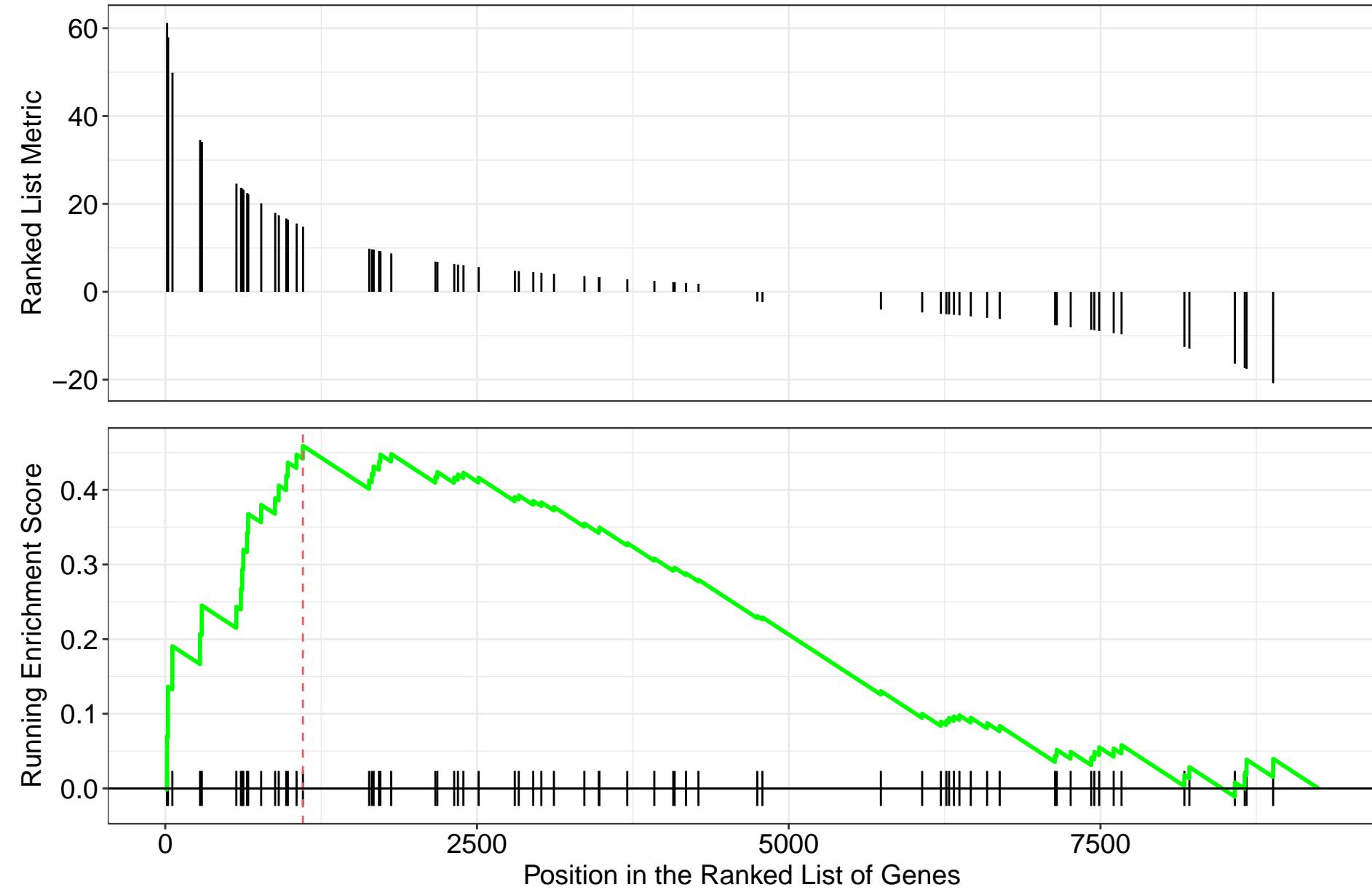
negative regulation of mononuclear cell migration



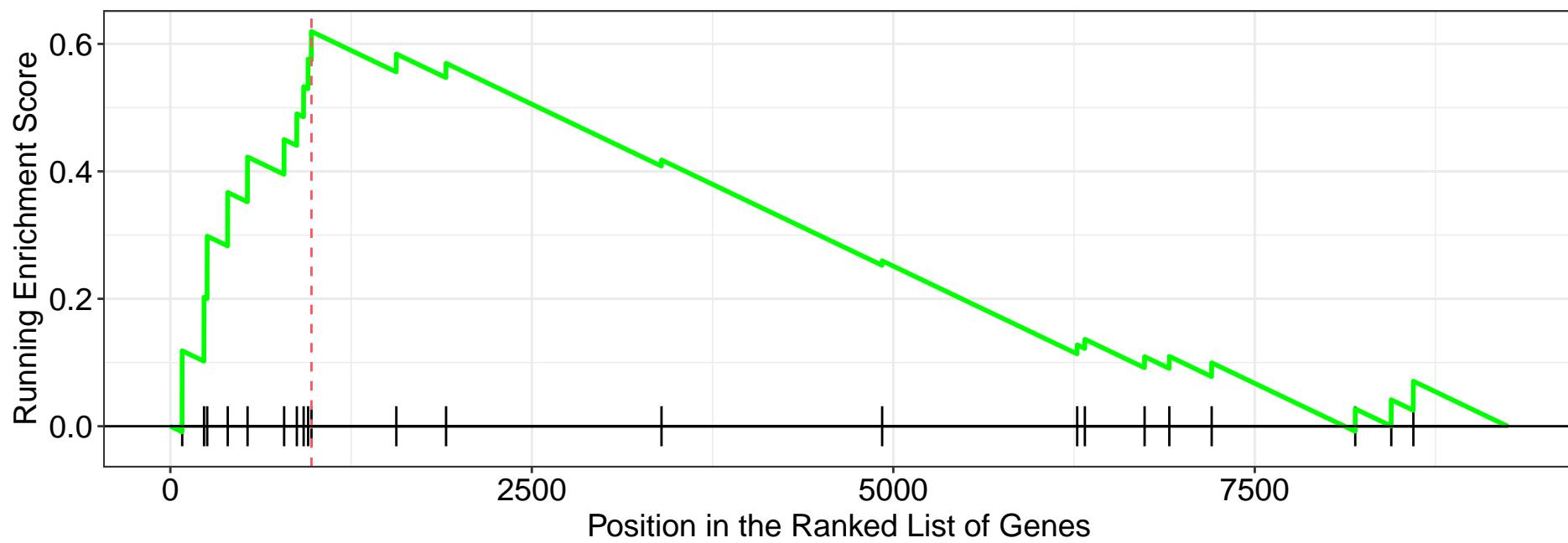
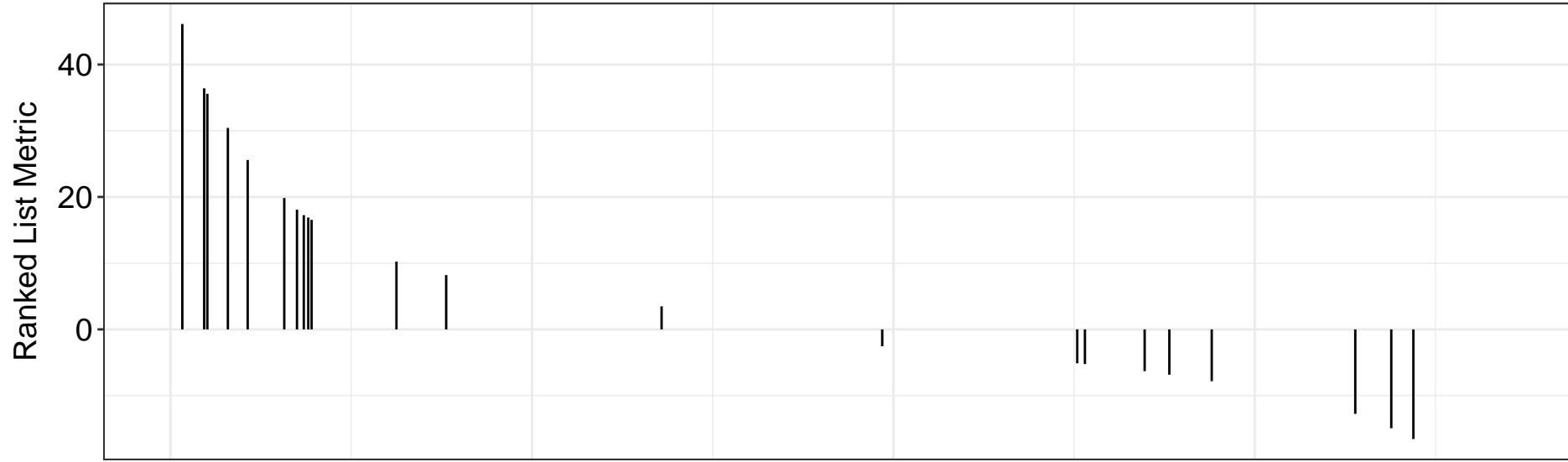
regulation of heart contraction



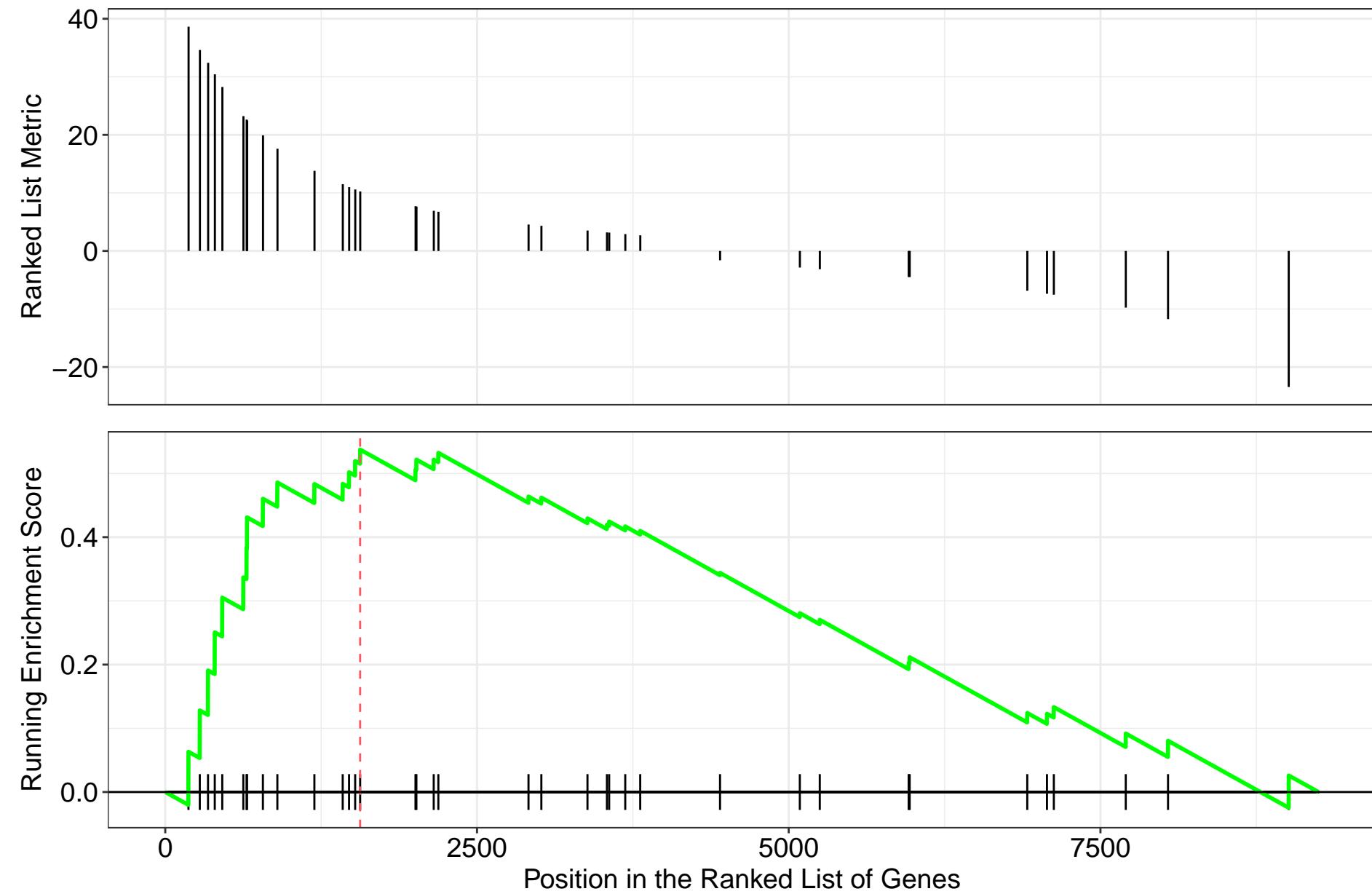
regulation of myeloid leukocyte differentiation



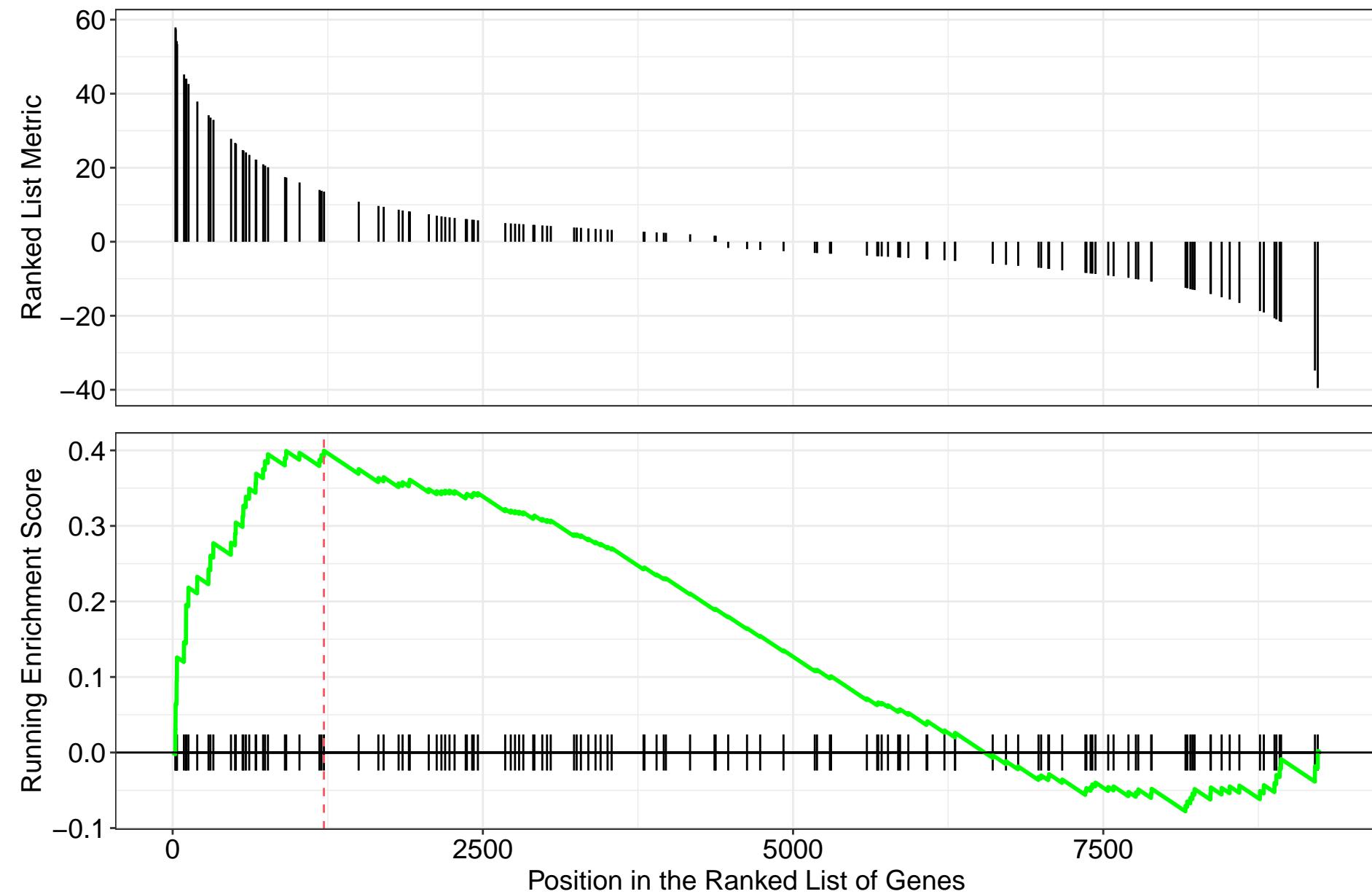
negative regulation of cell–substrate adhesion



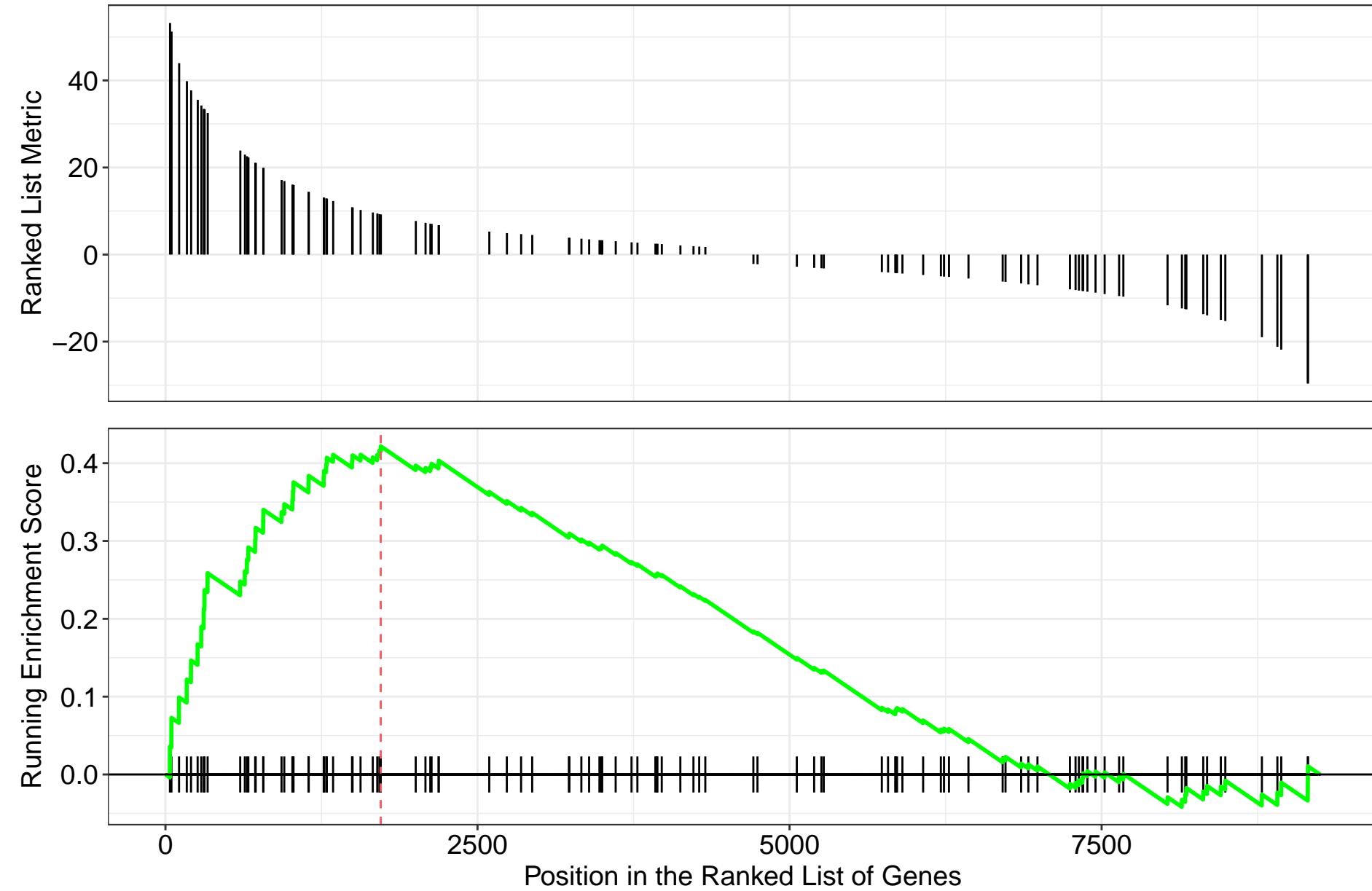
positive regulation of small GTPase mediated signal transduction



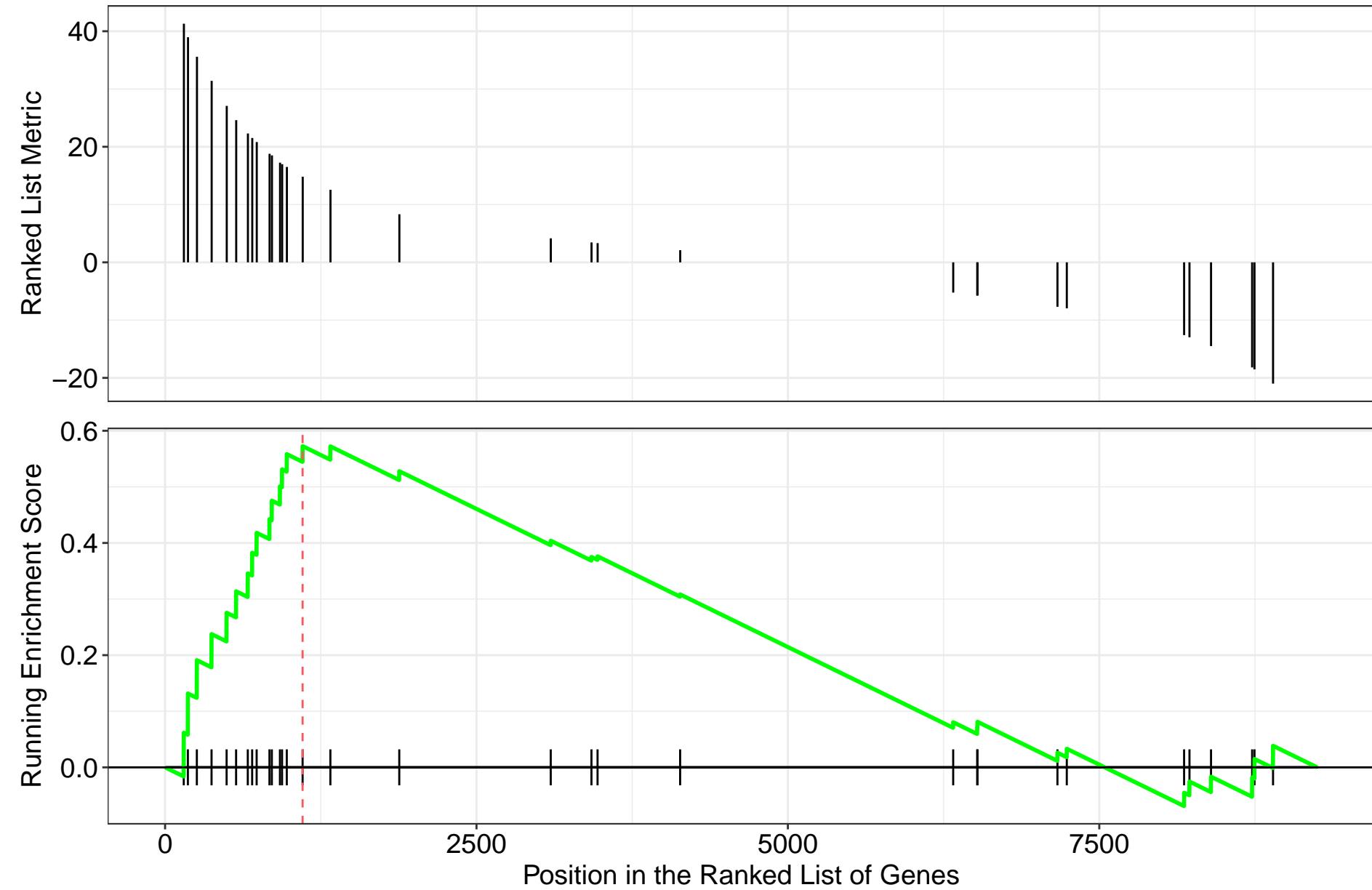
hormone secretion



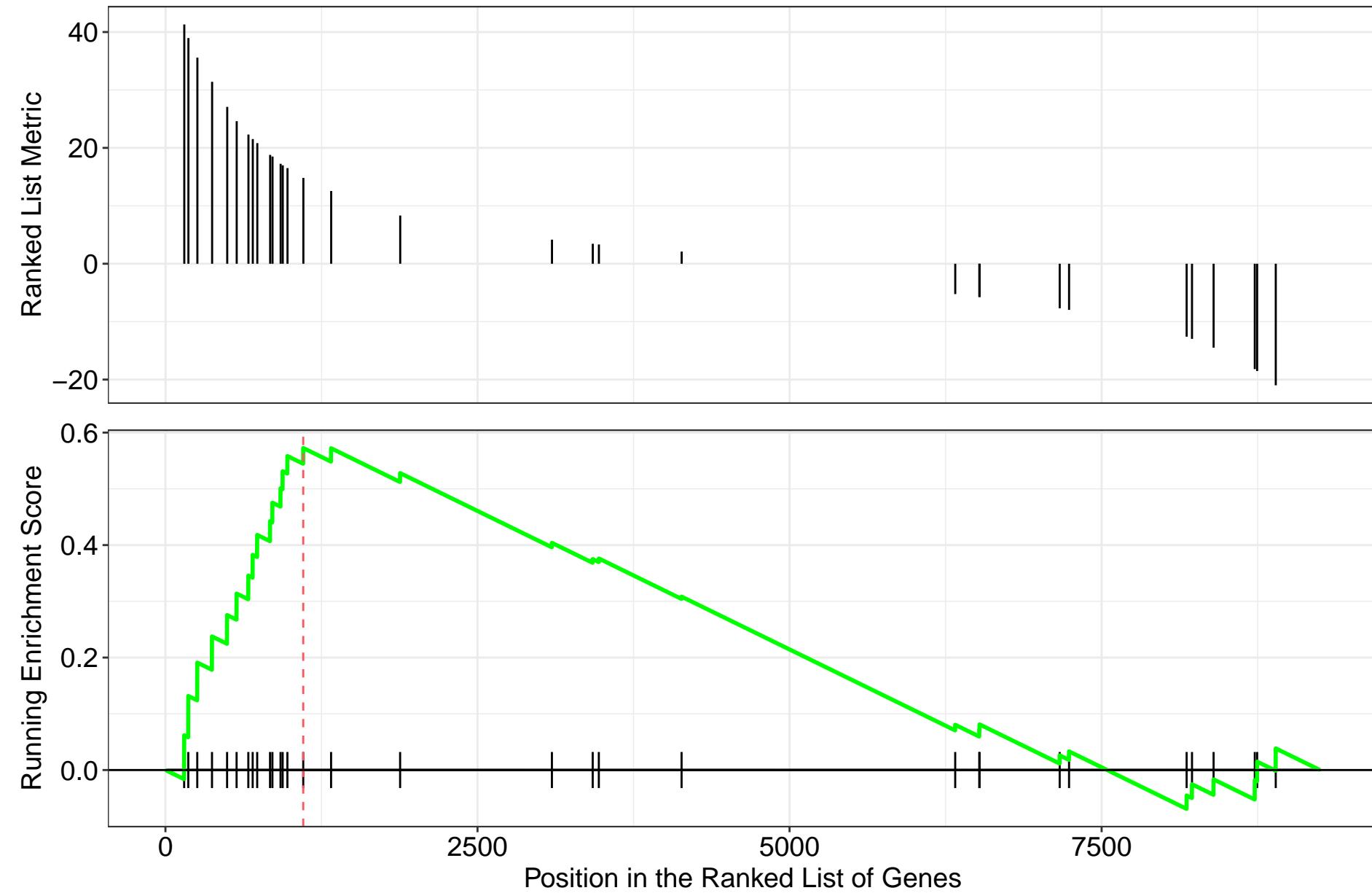
striated muscle tissue development



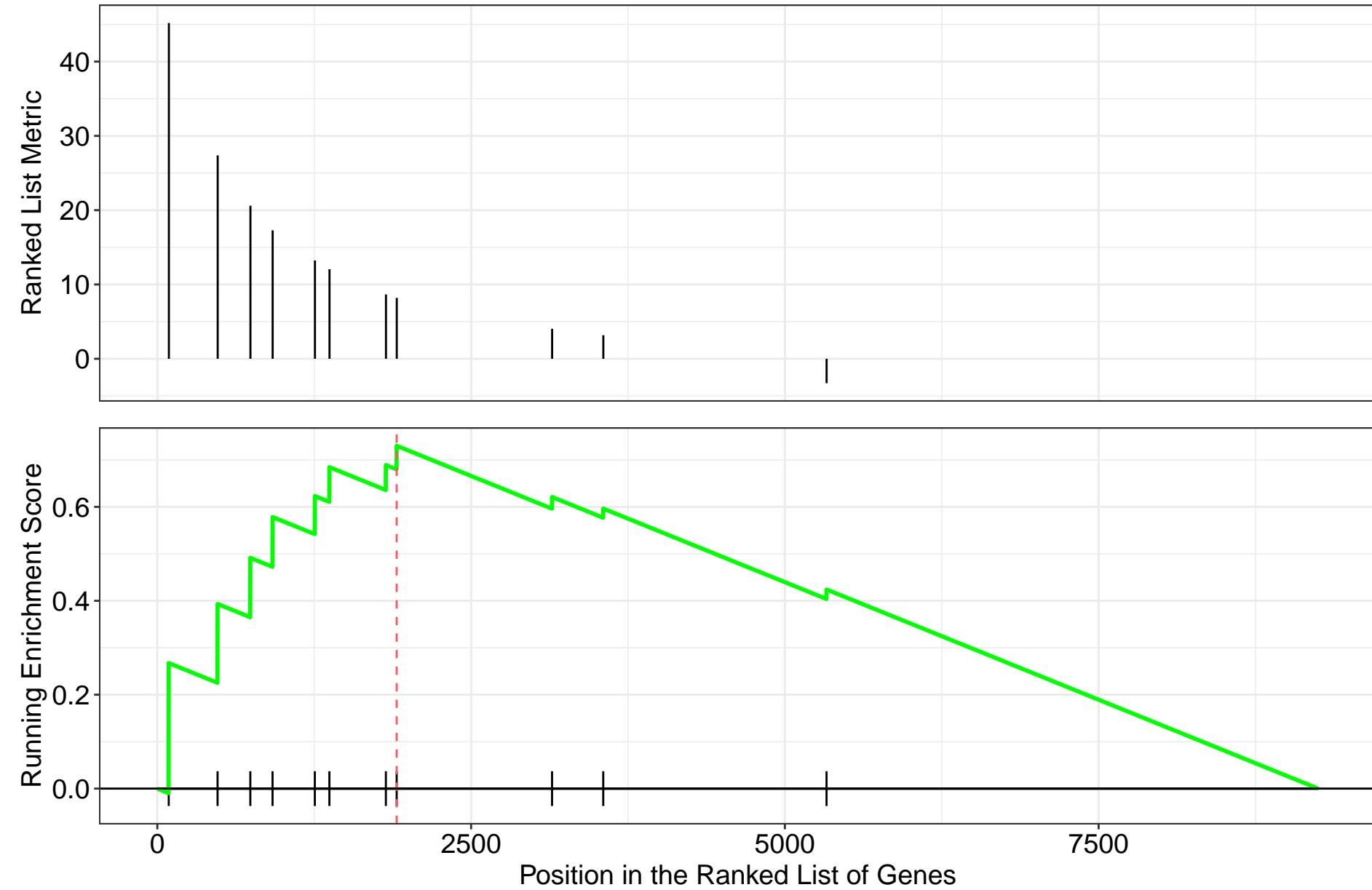
endothelial cell apoptotic process



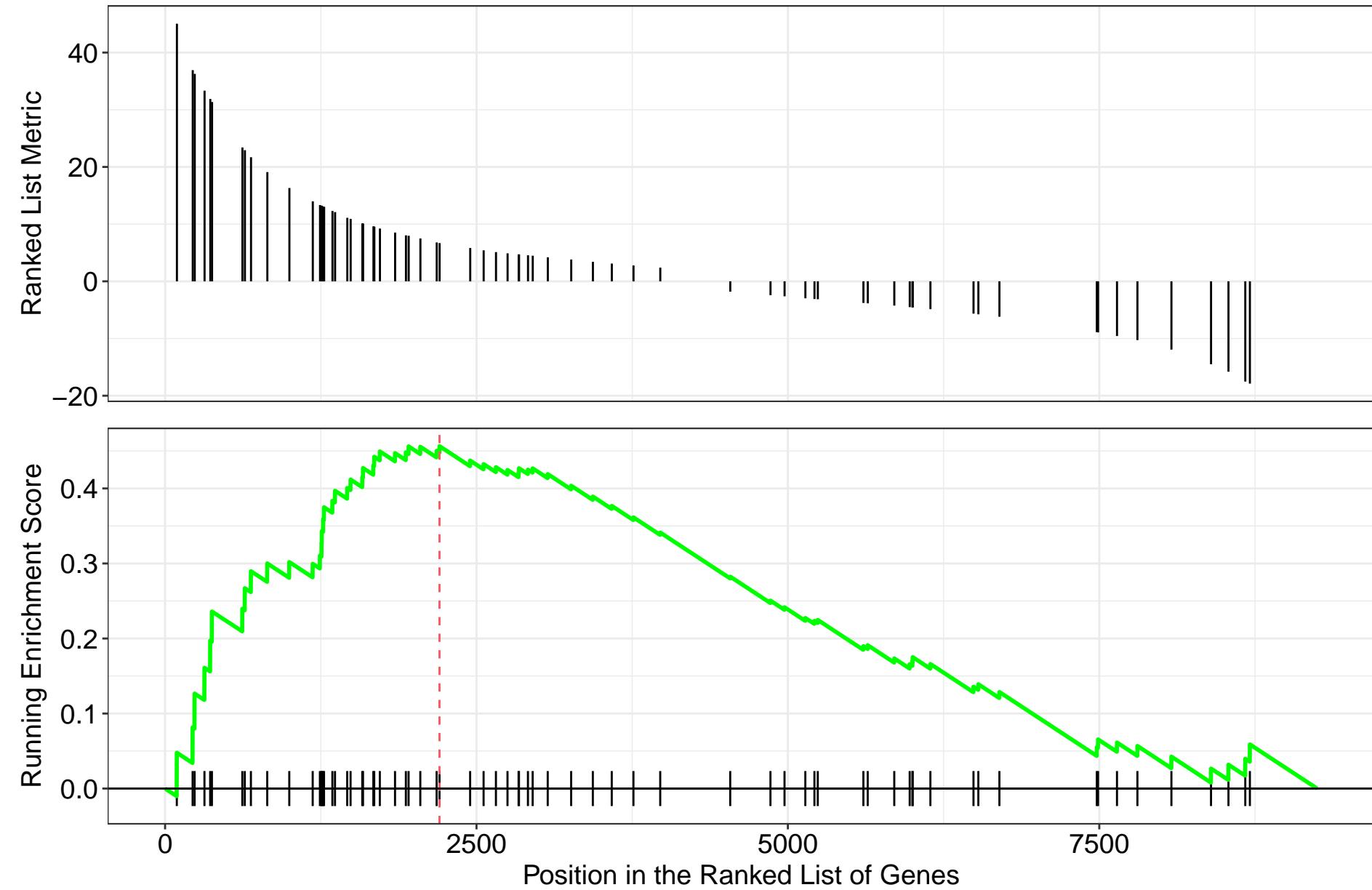
regulation of endothelial cell apoptotic process



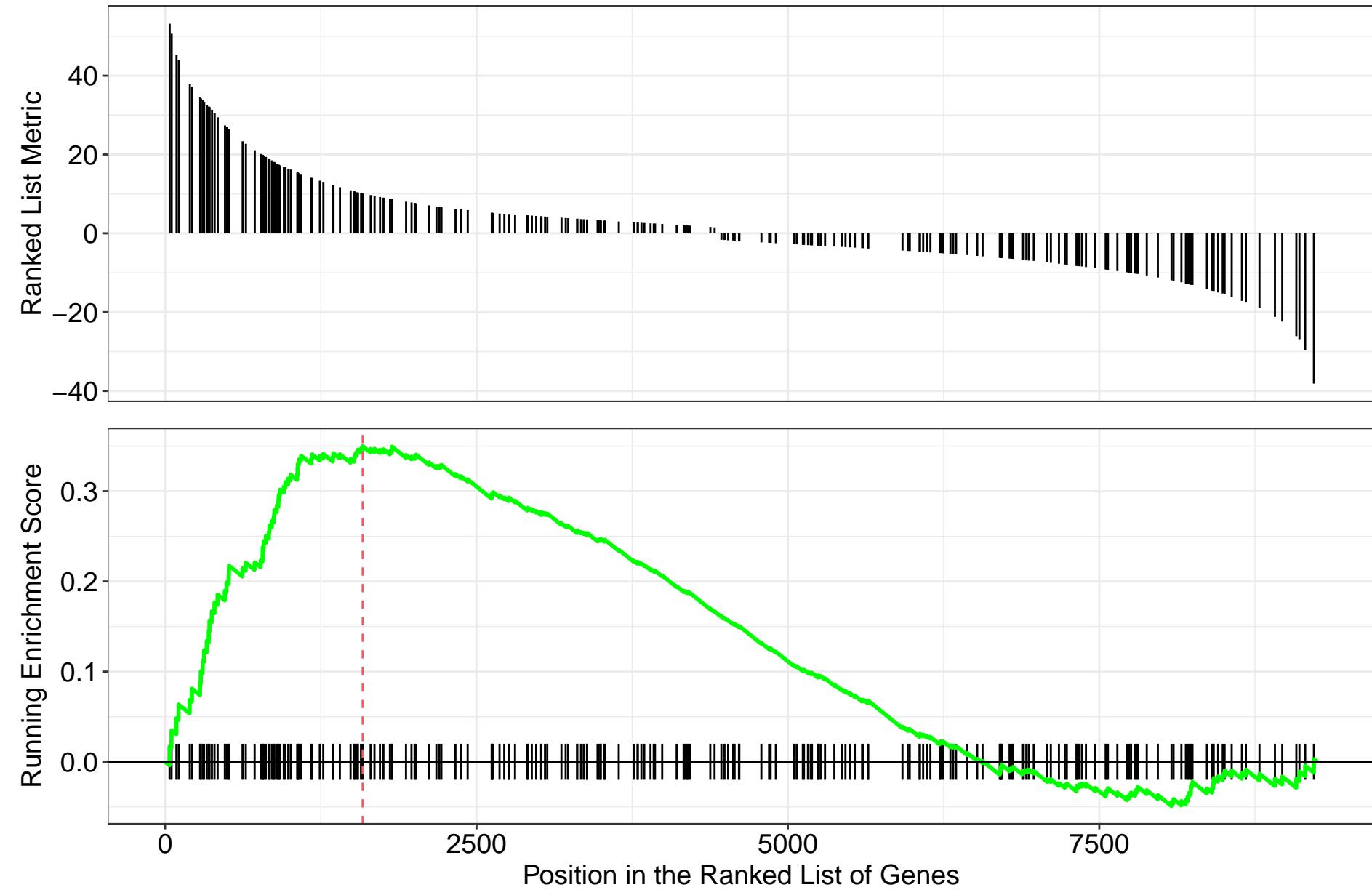
regulation of T-helper 2 cell differentiation



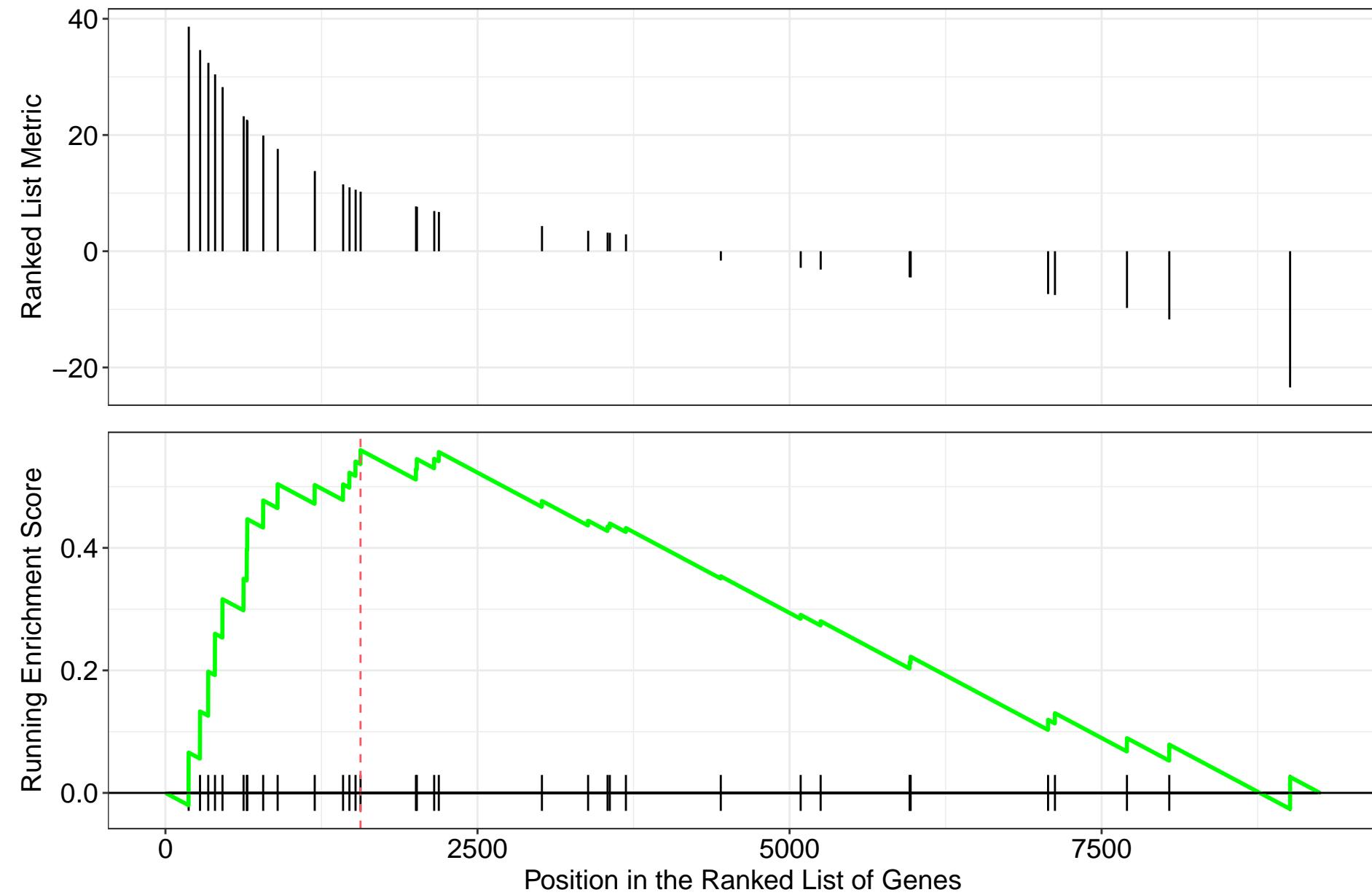
movement in host



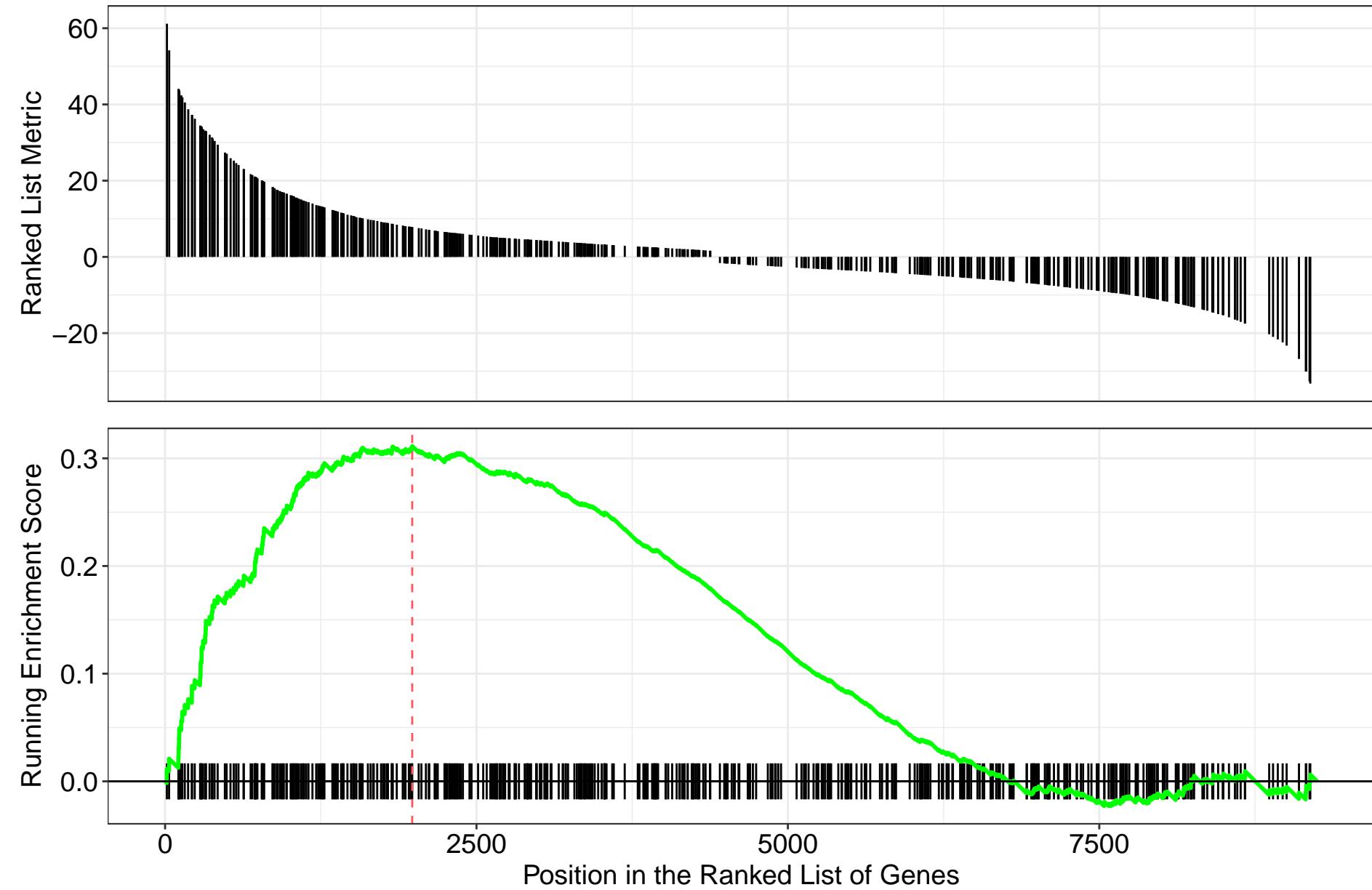
response to inorganic substance



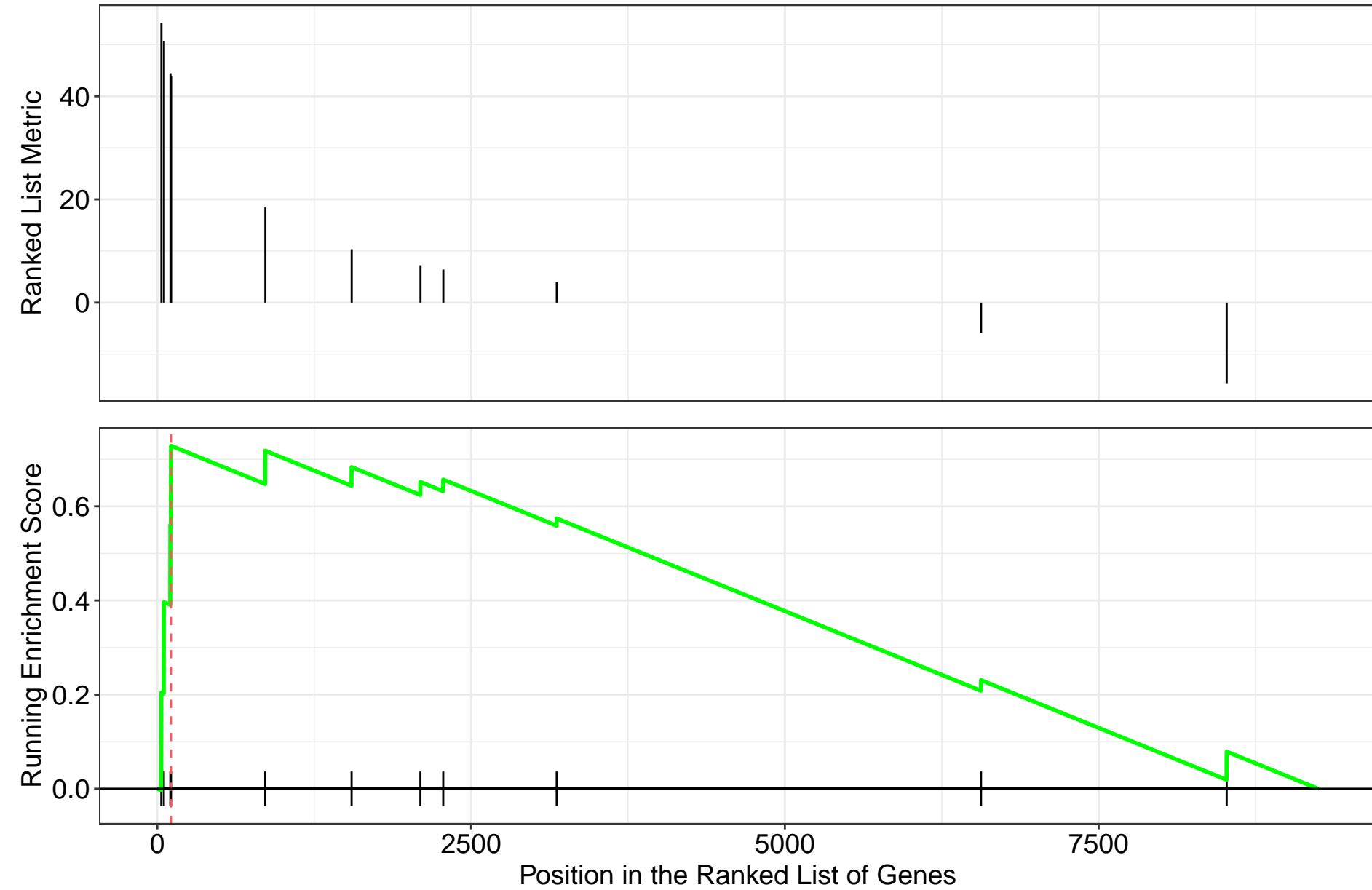
positive regulation of Ras protein signal transduction



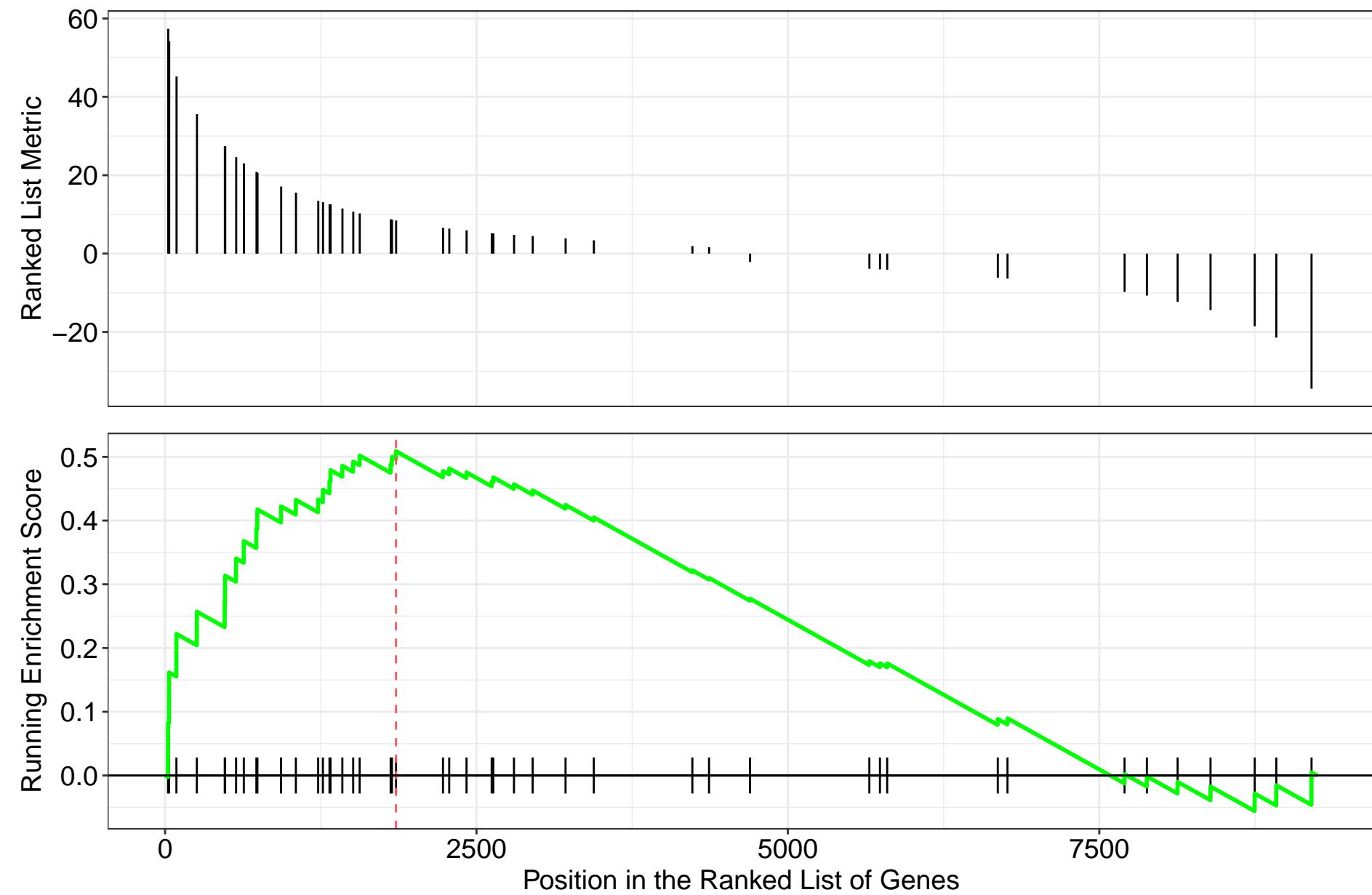
response to nitrogen compound



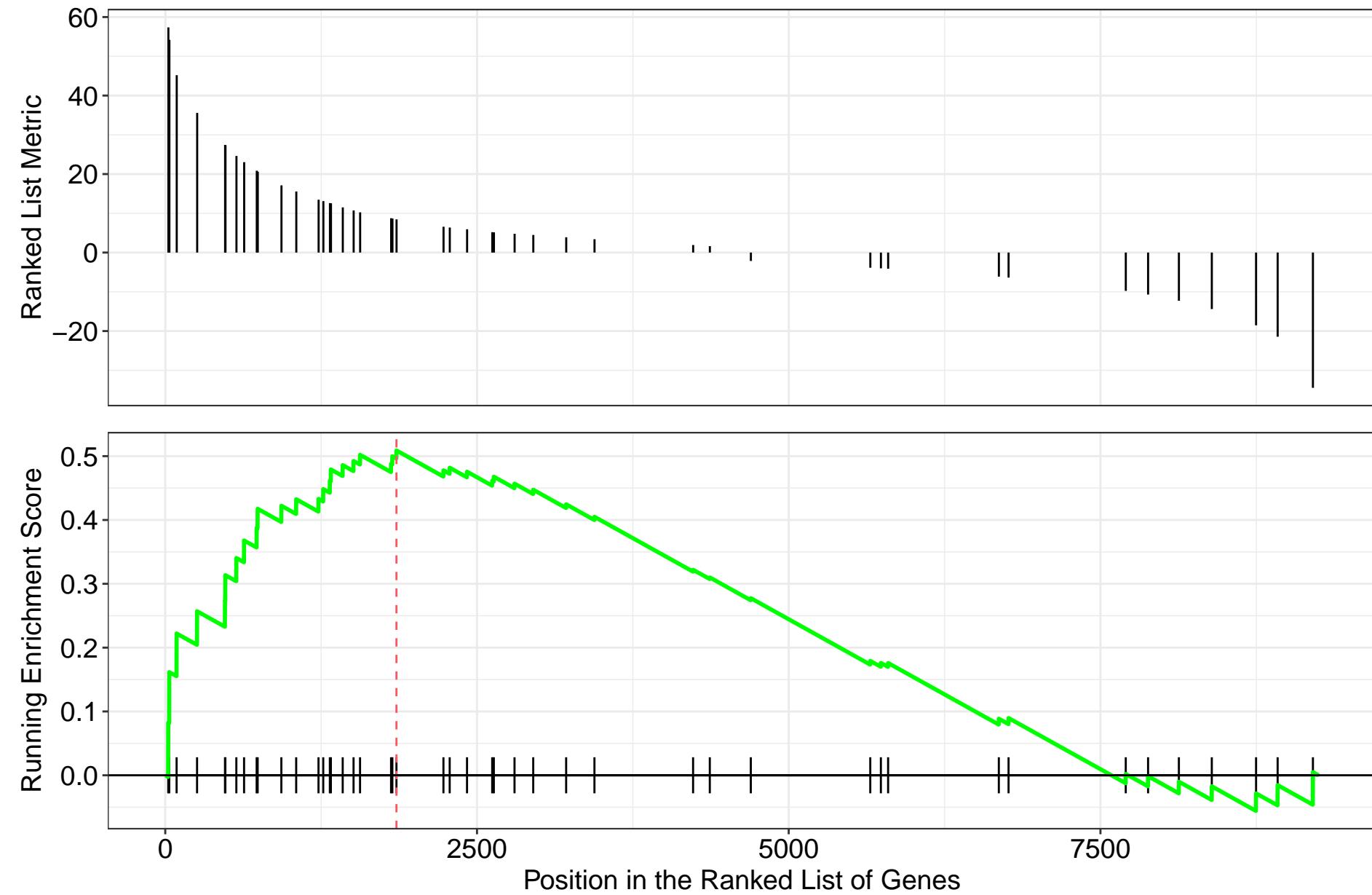
positive regulation of icosanoid secretion



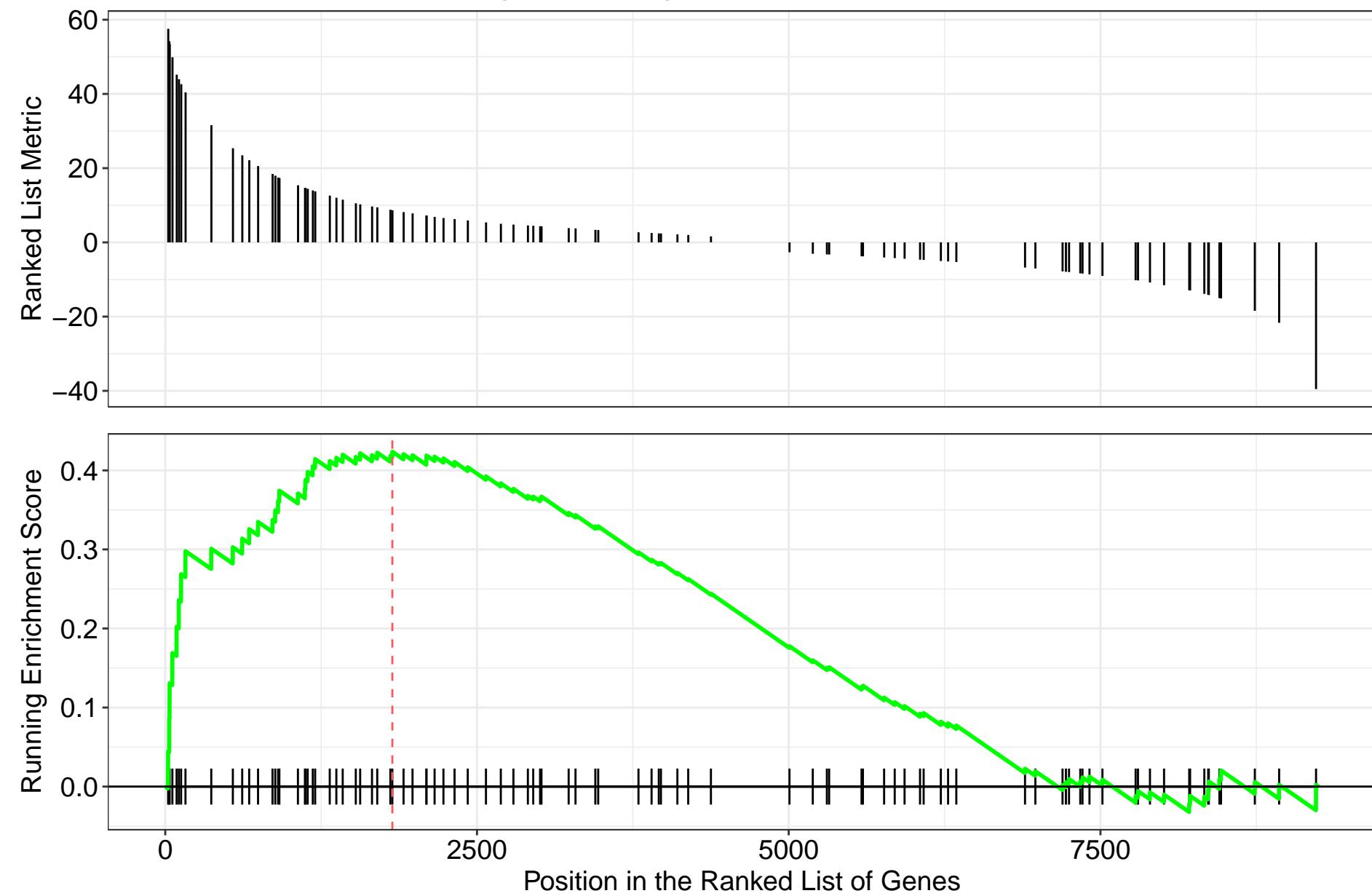
interleukin–8 production



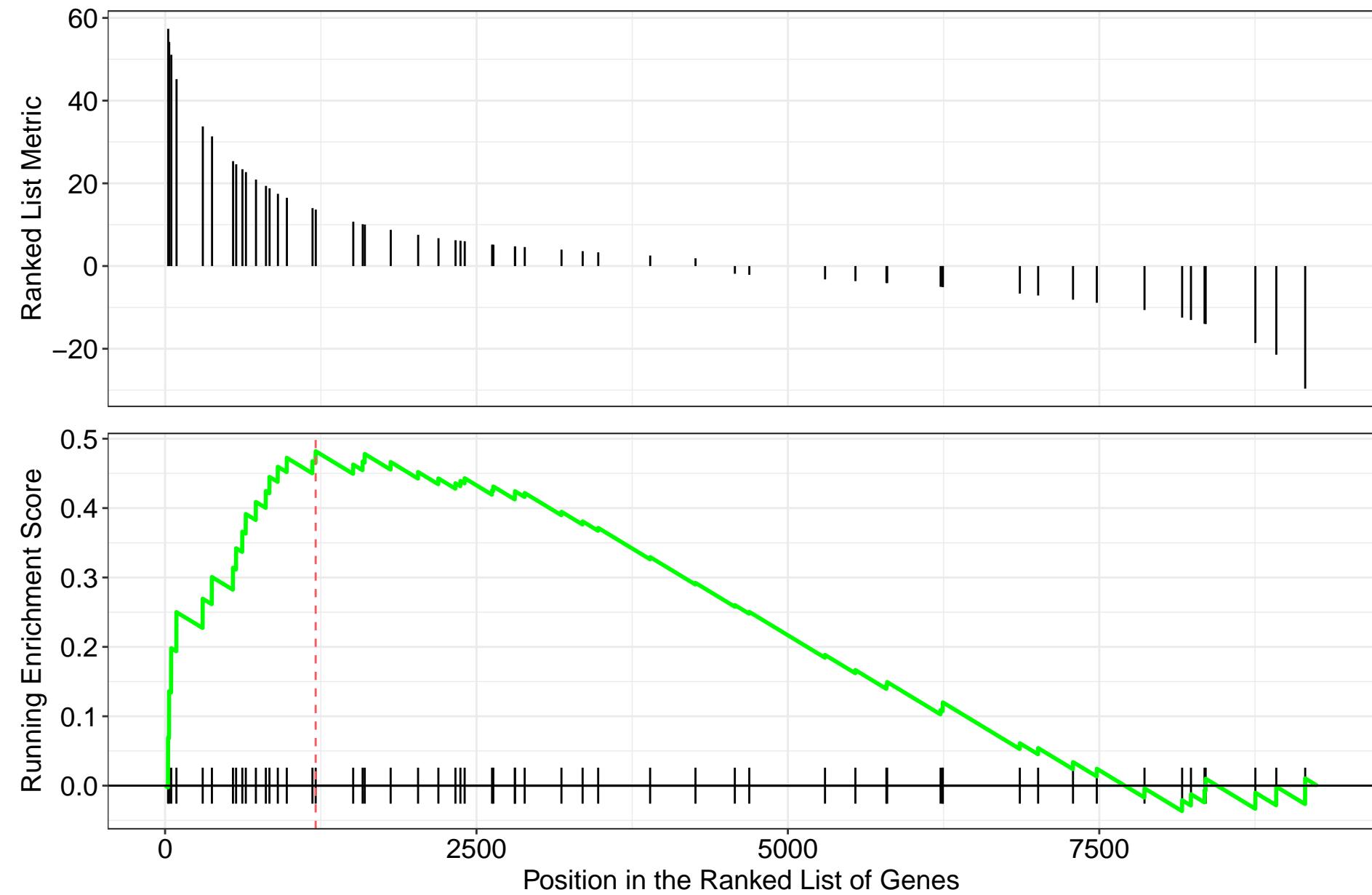
regulation of interleukin–8 production



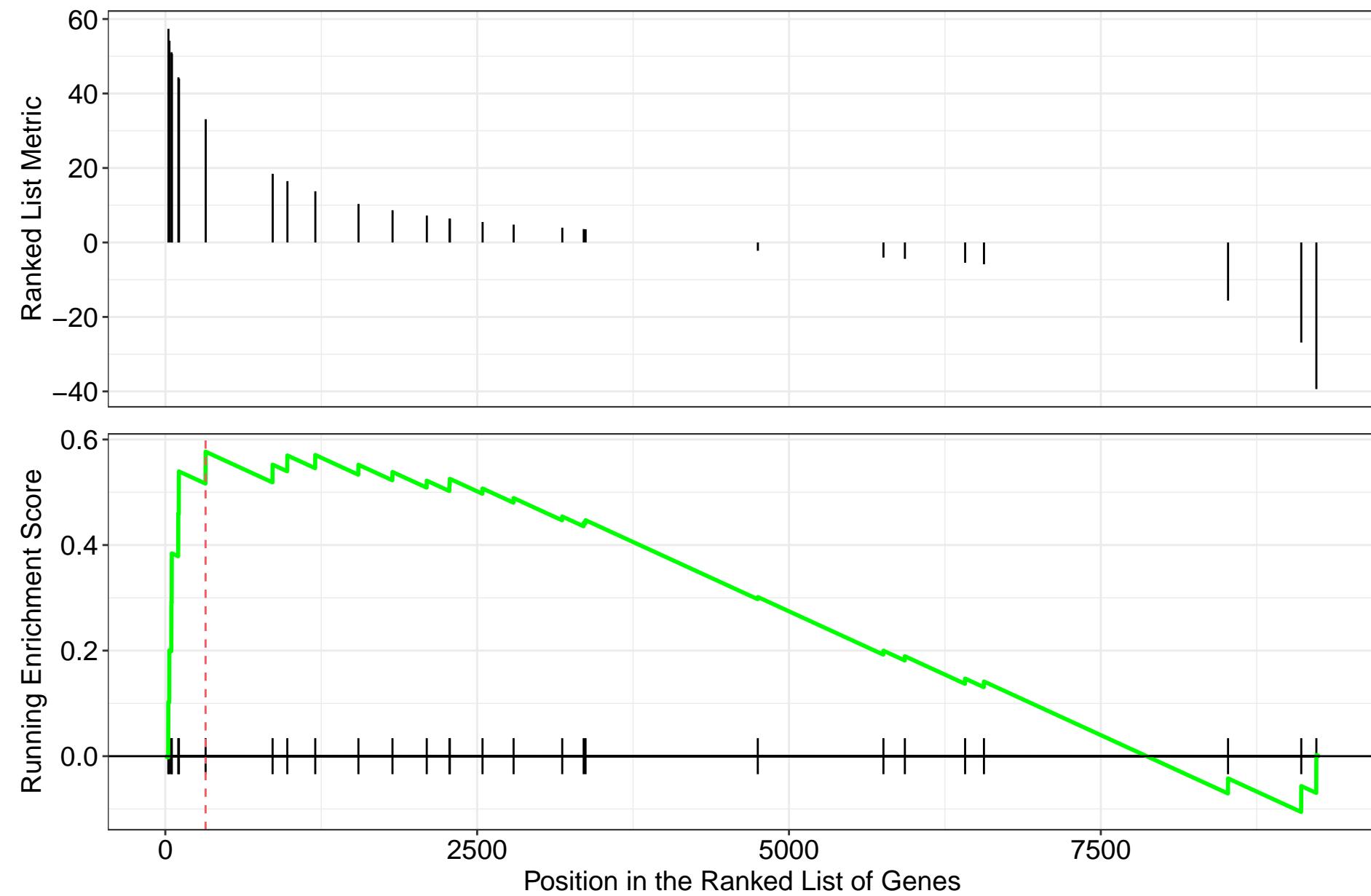
negative regulation of secretion



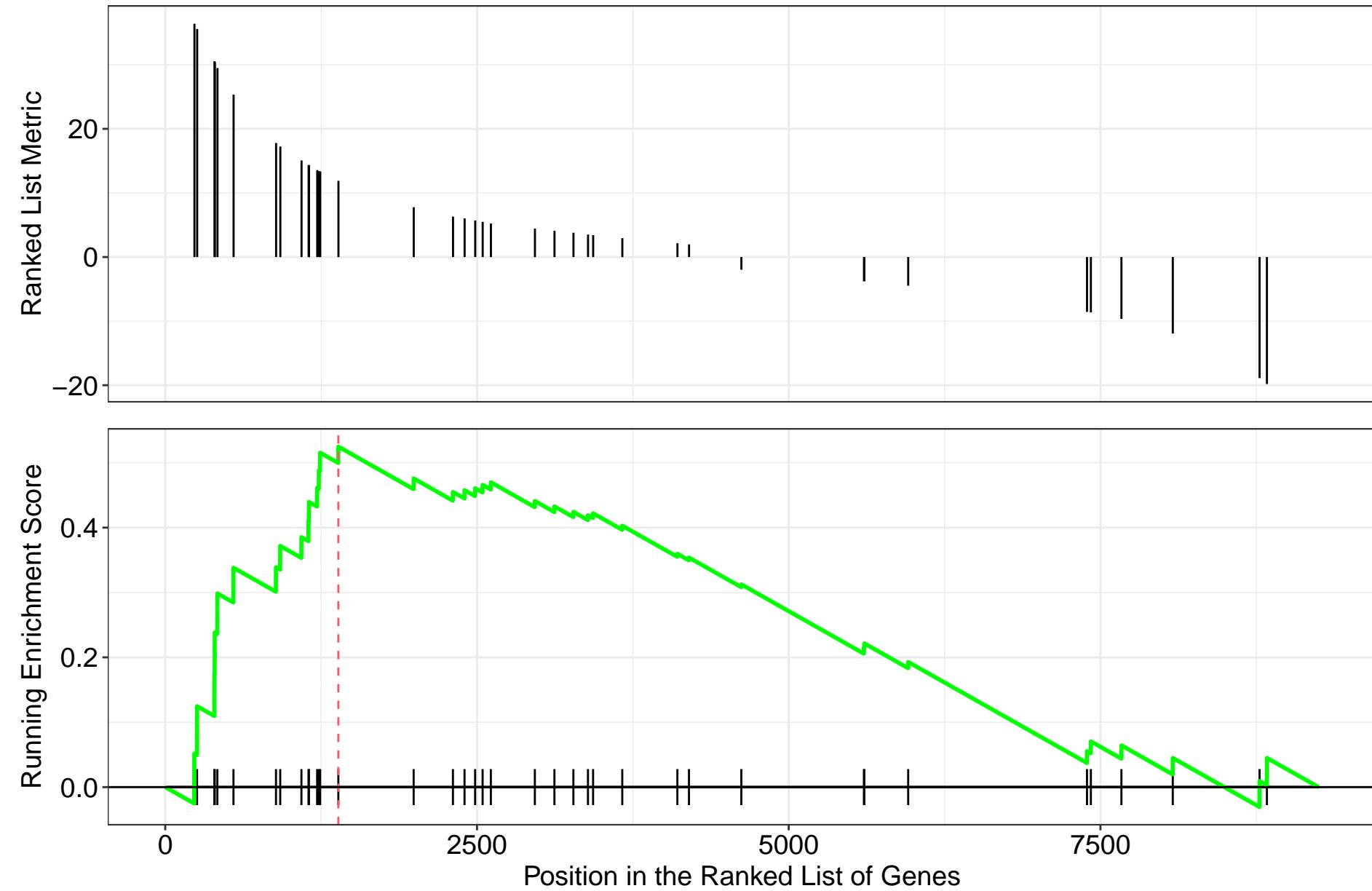
nitric oxide biosynthetic process



icosanoid transport

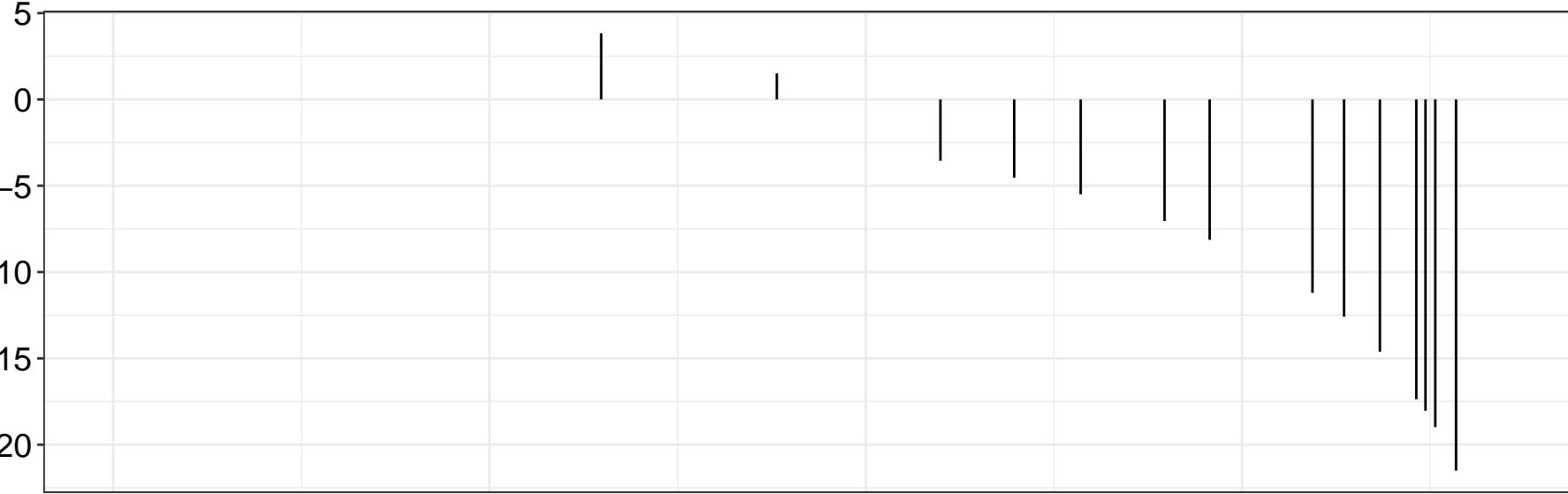


regulation of protein processing



regulation of mitotic cell cycle spindle assembly checkpoint

Ranked List Metric



Running Enrichment Score

0

2500

5000

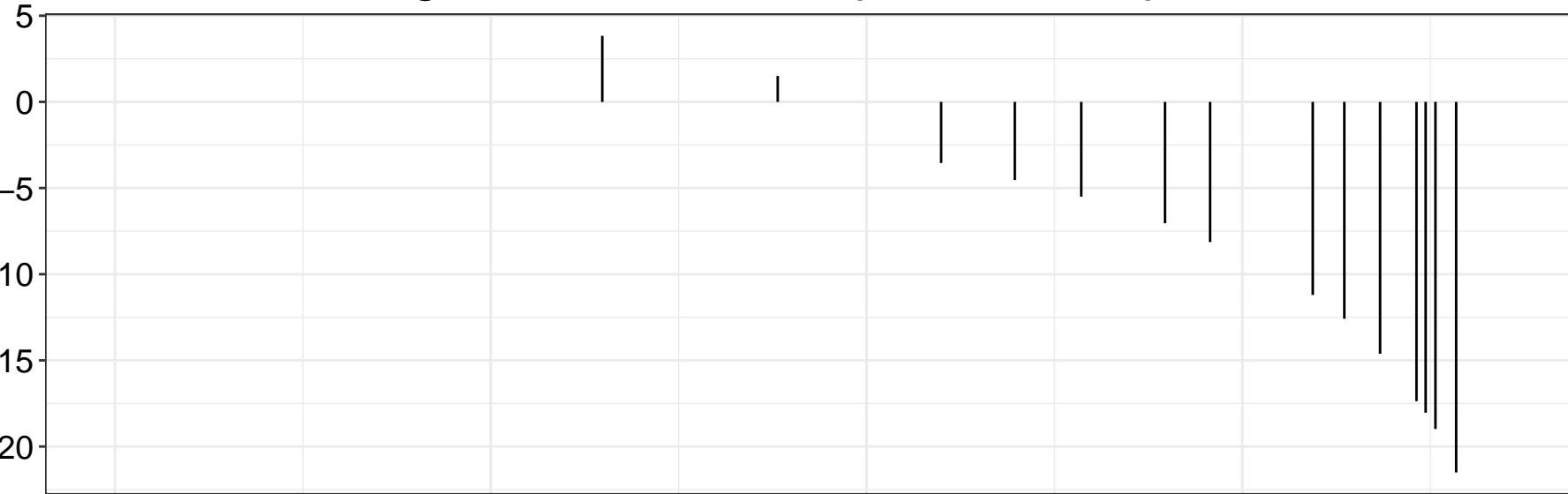
7500

Position in the Ranked List of Genes



regulation of mitotic spindle checkpoint

Ranked List Metric



Running Enrichment Score

0

2500

5000

7500

Position in the Ranked List of Genes

0.0

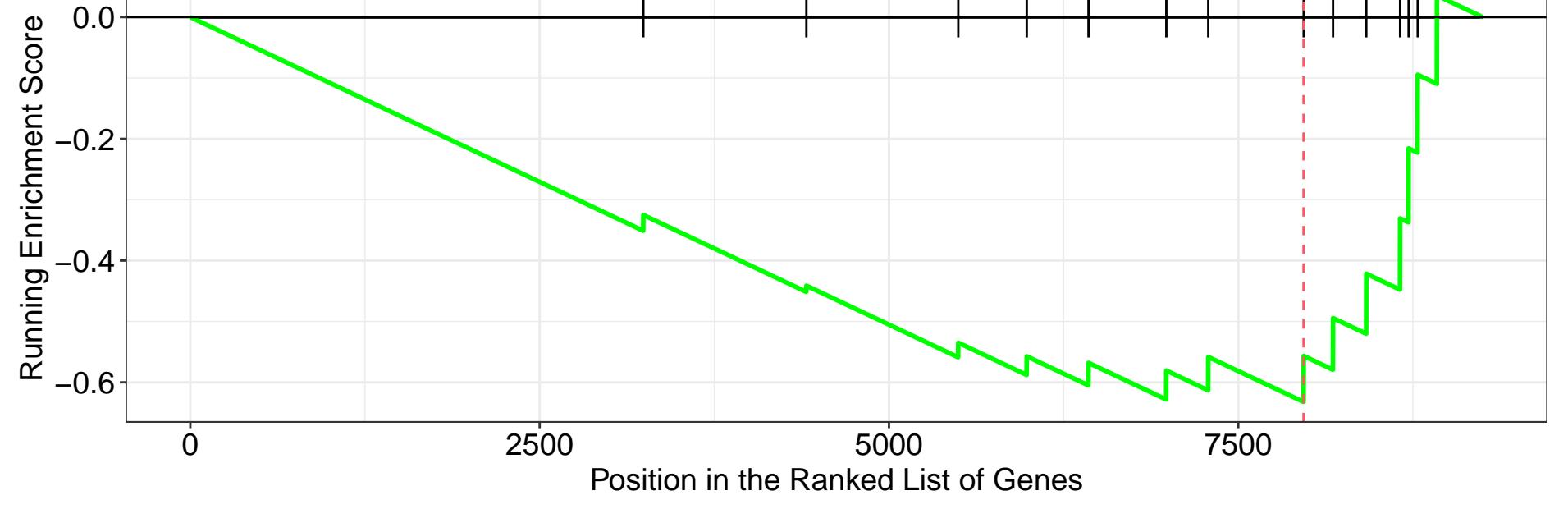
-0.2

-0.4

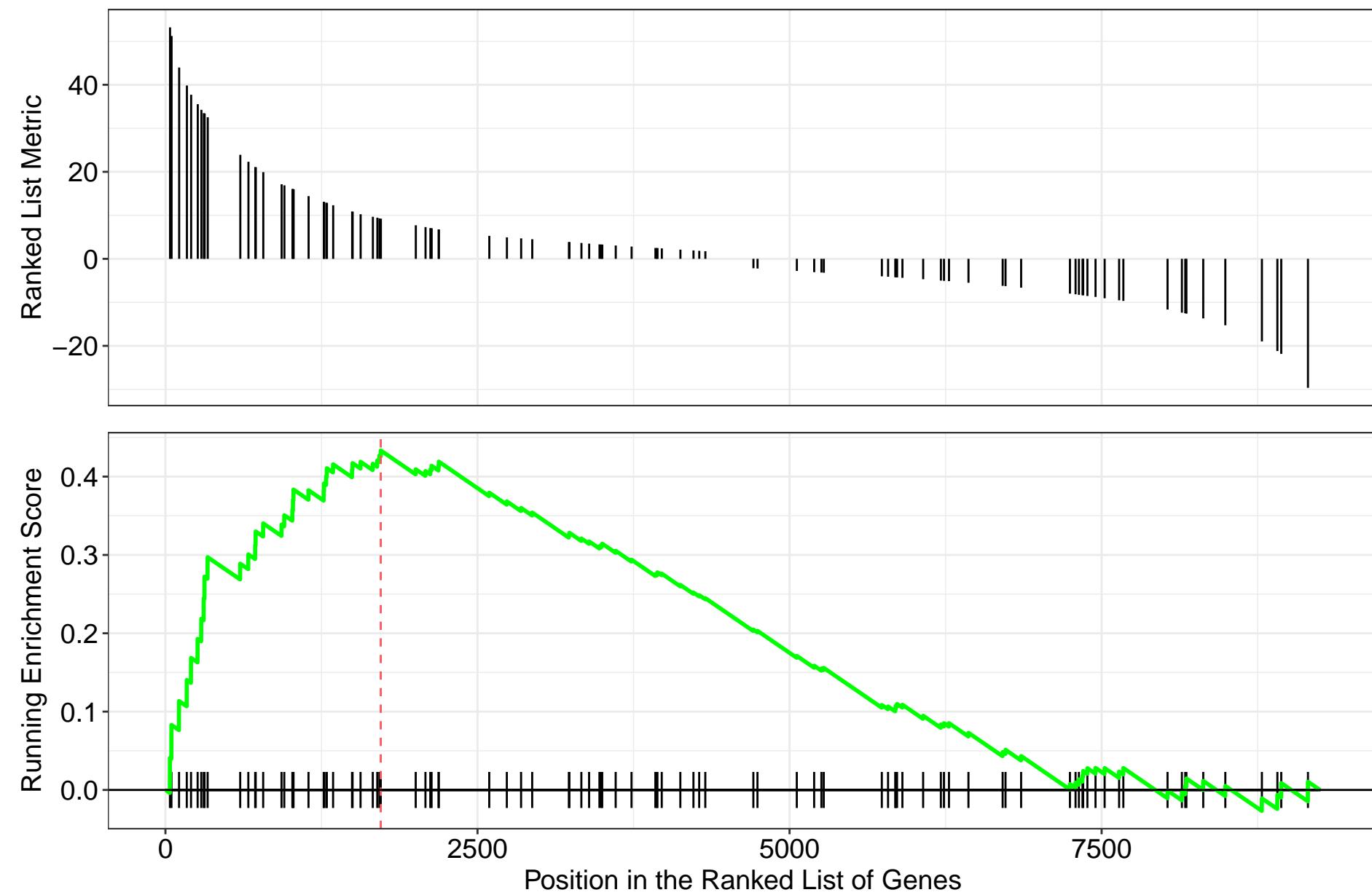
-0.6

-0.8

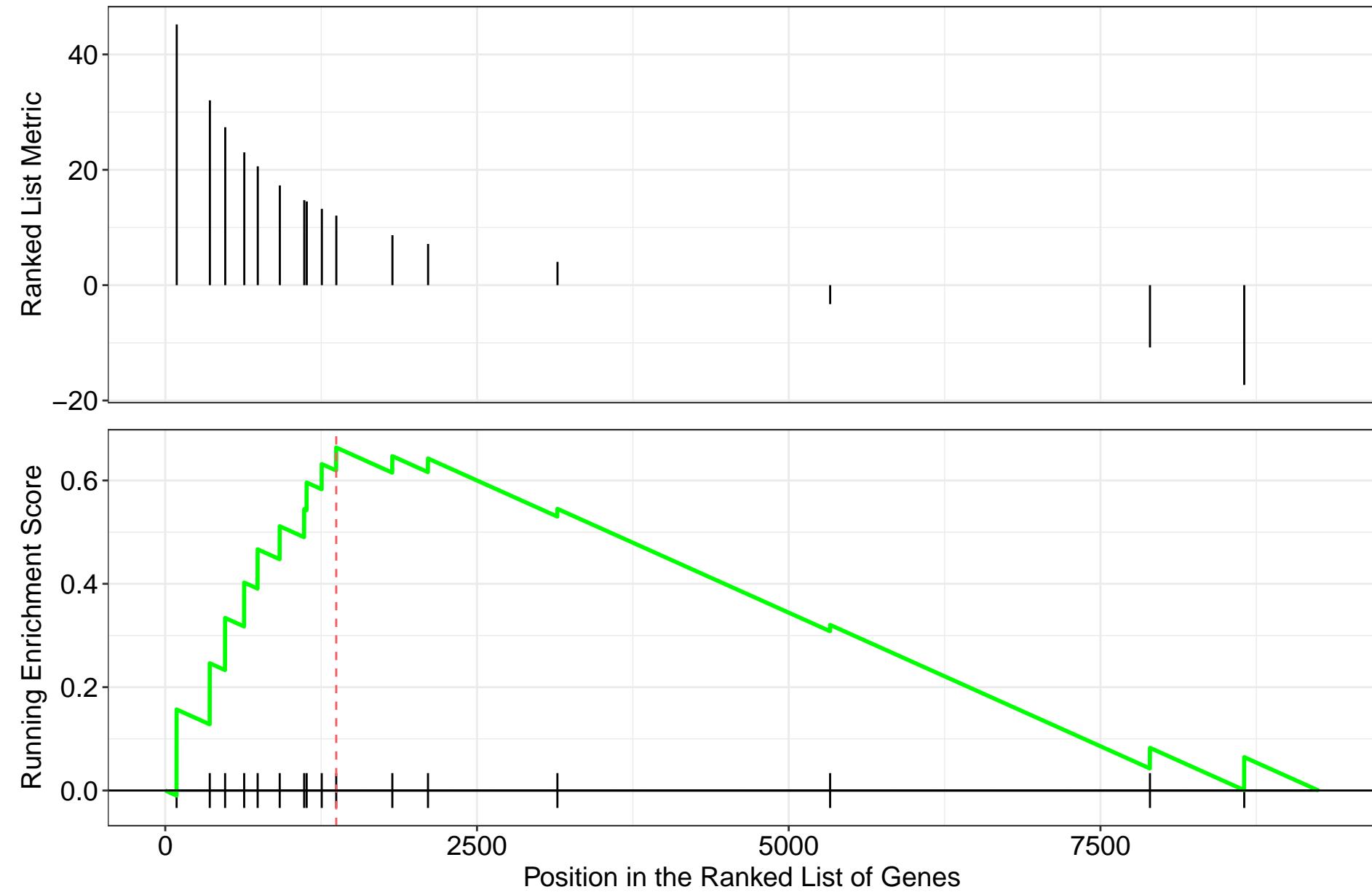
-1.0



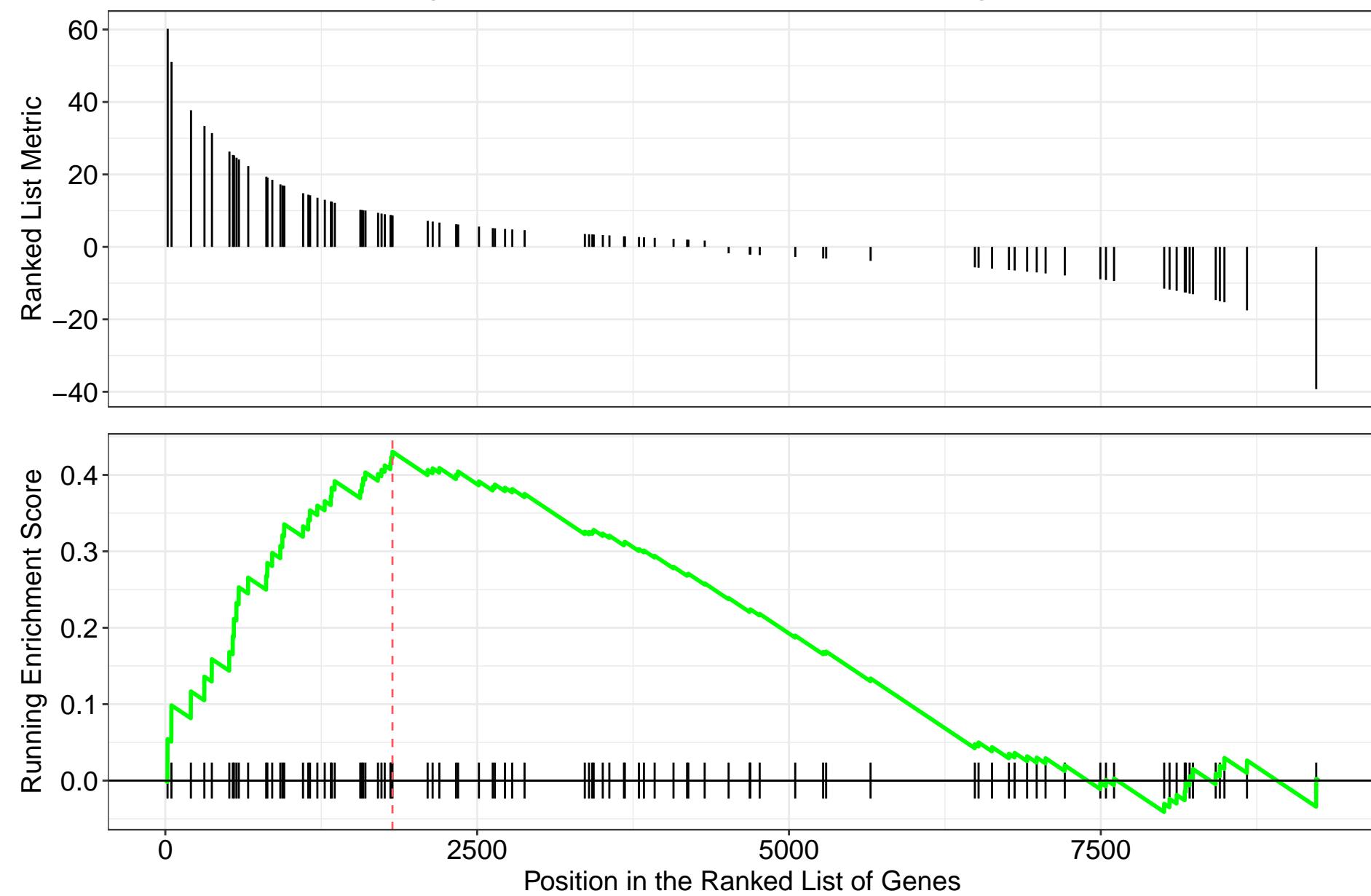
cardiac muscle tissue development



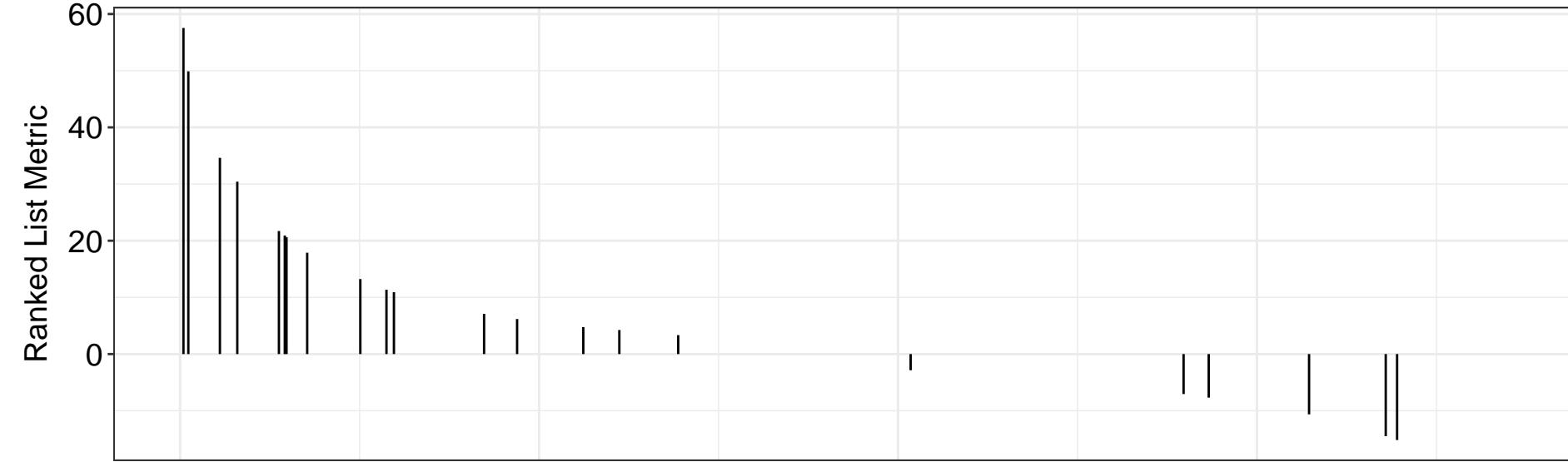
positive regulation of T-helper cell differentiation



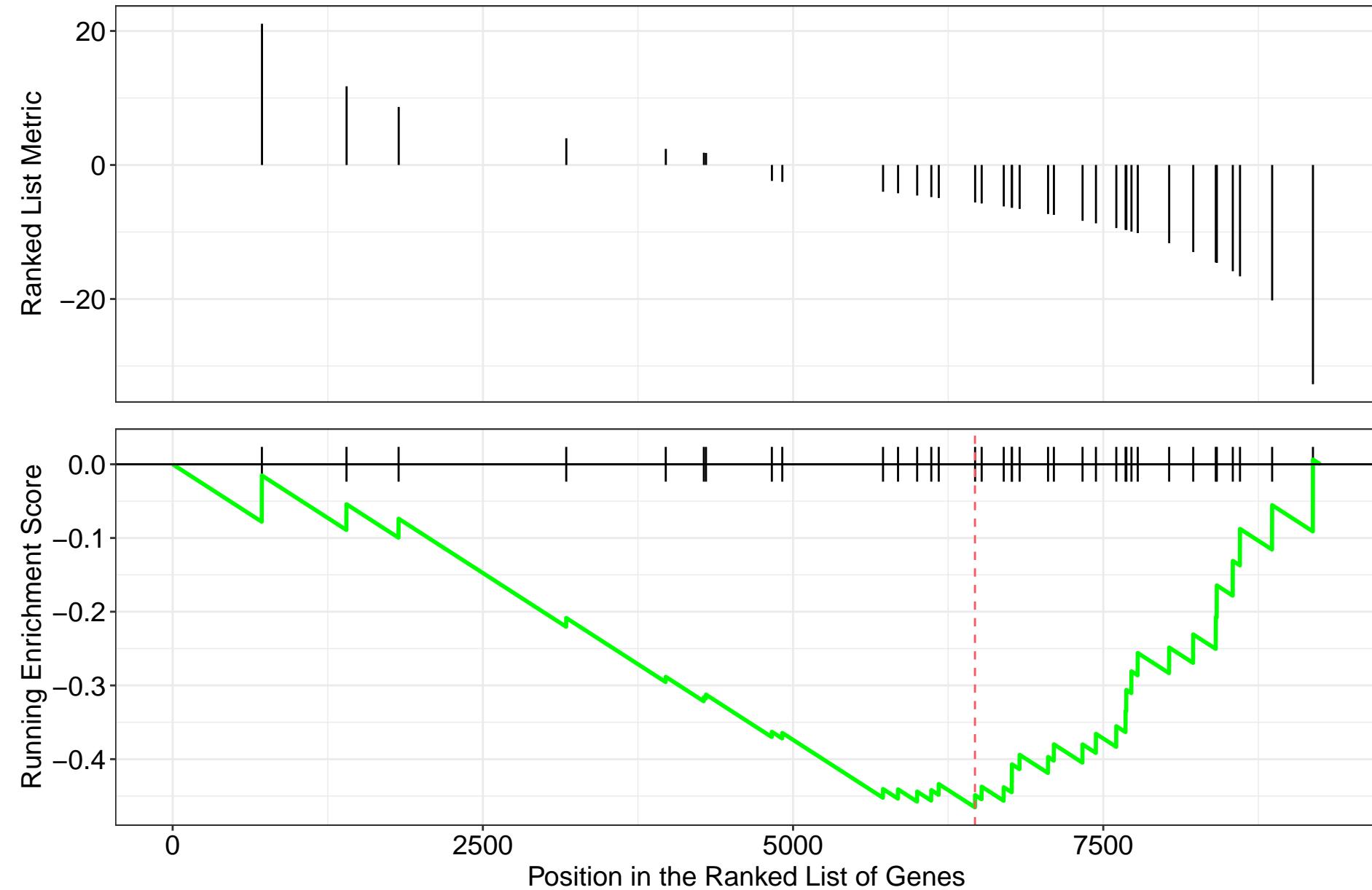
regulation of endothelial cell migration



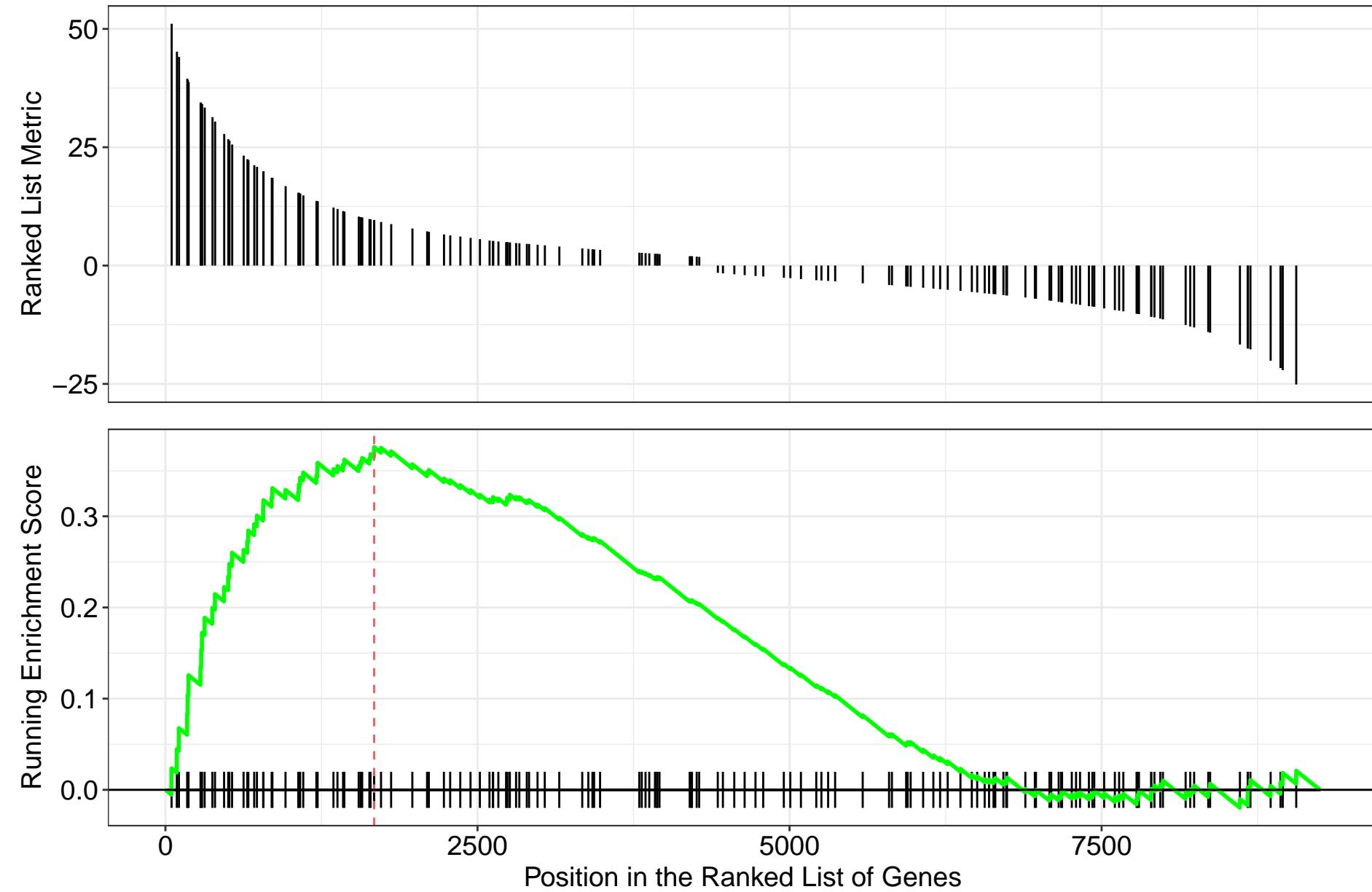
positive regulation of natural killer cell activation



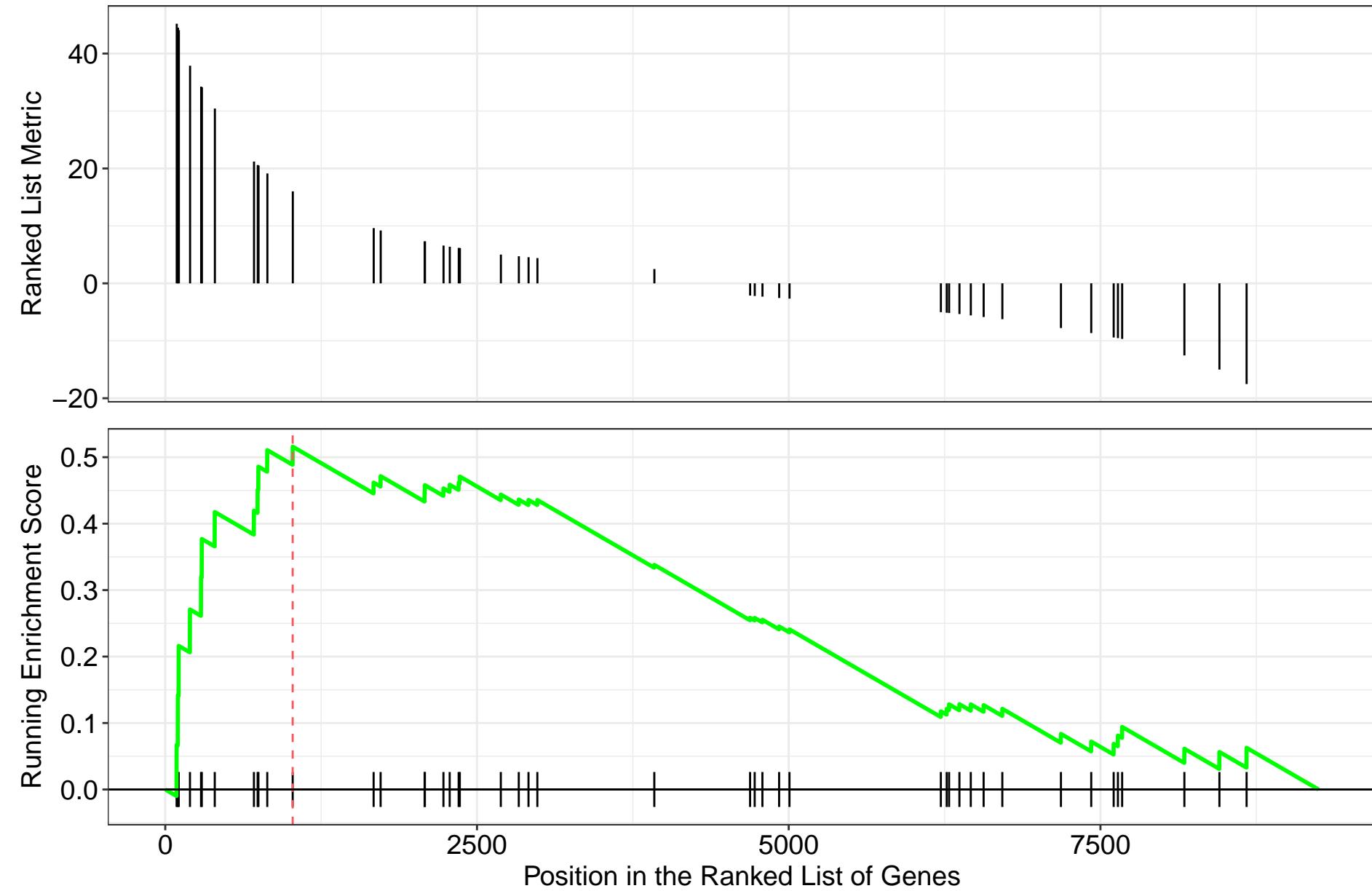
DNA conformation change



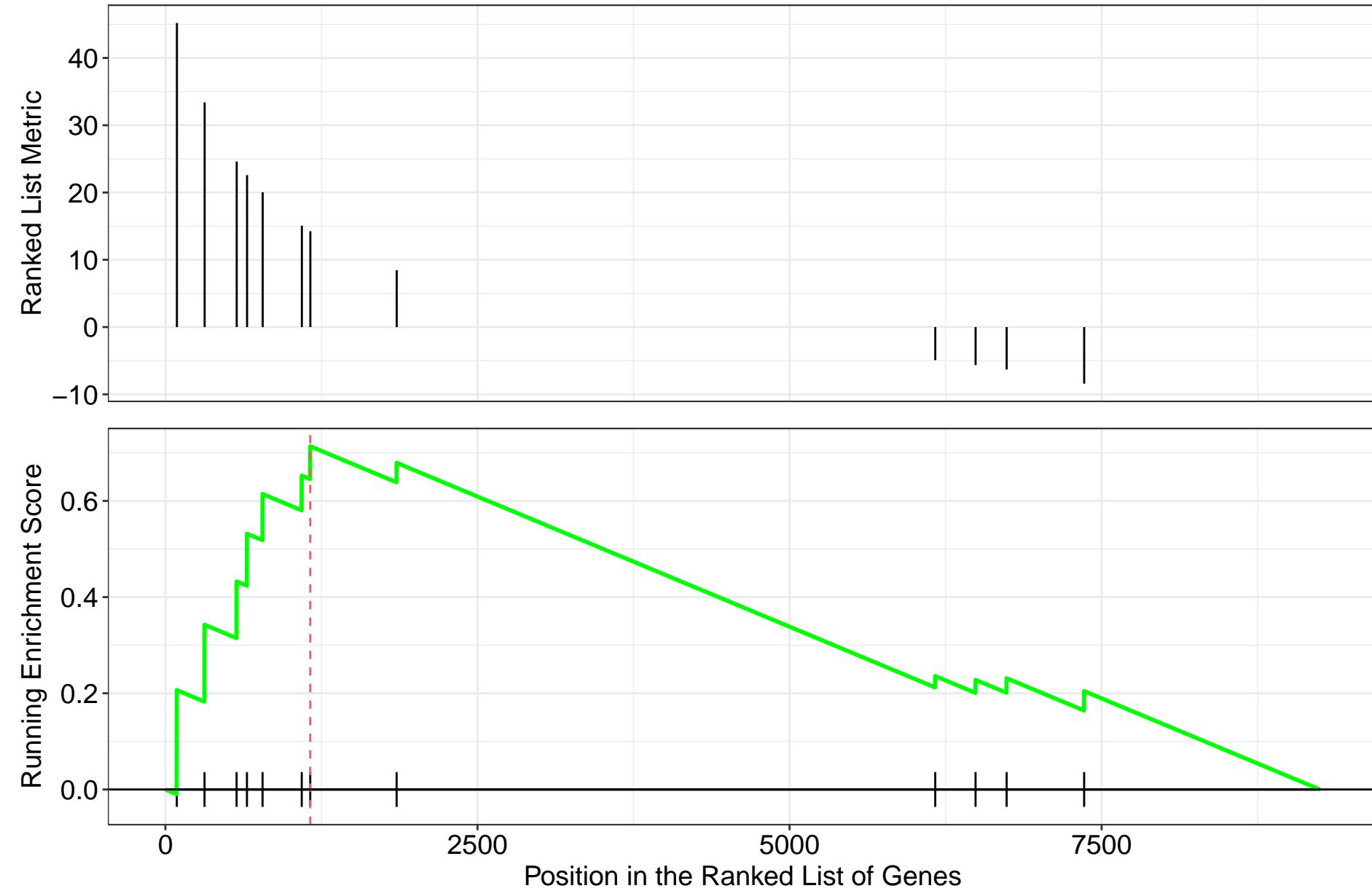
anatomical structure homeostasis



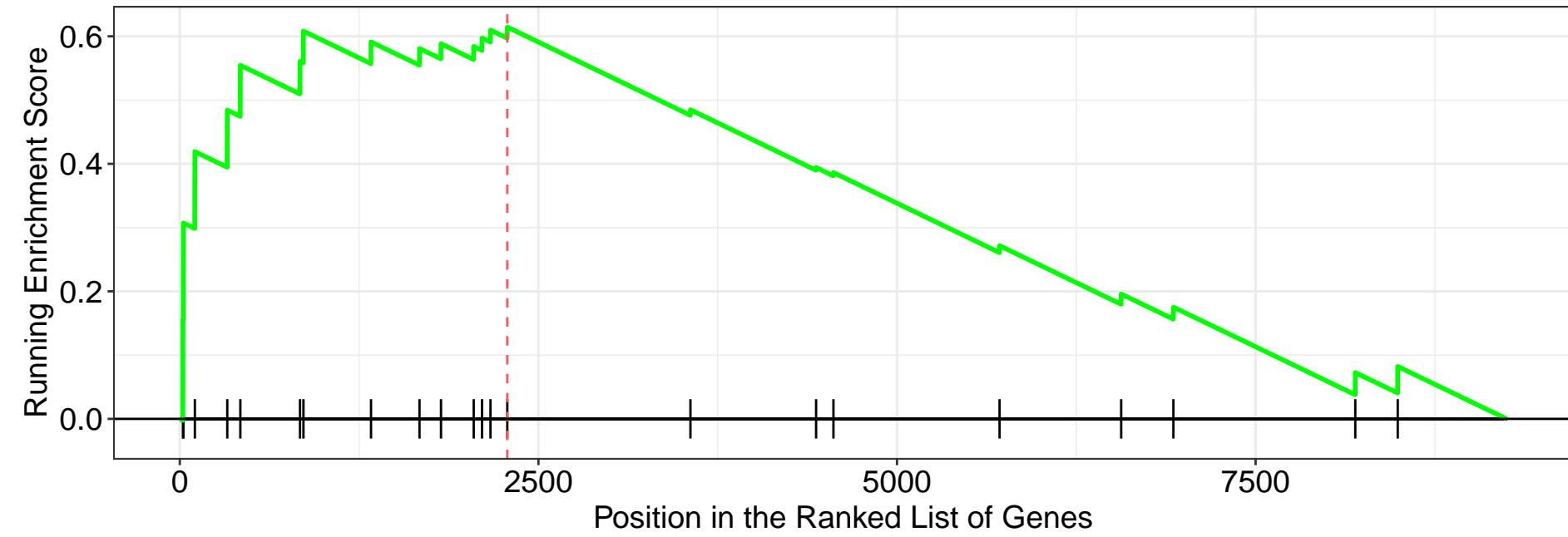
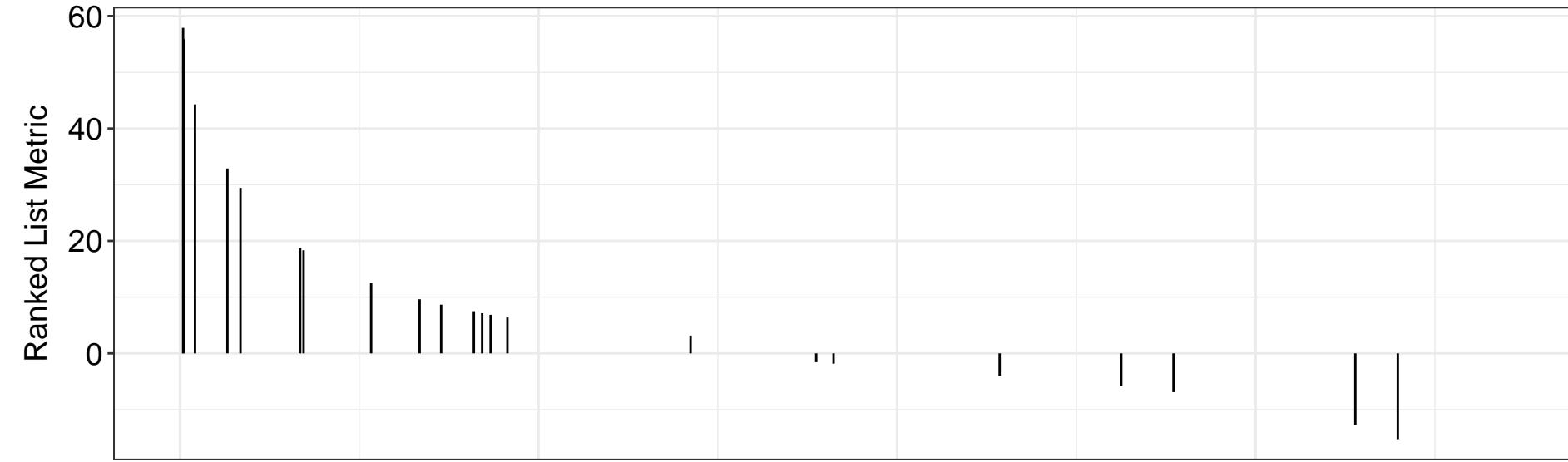
regulation of tissue remodeling



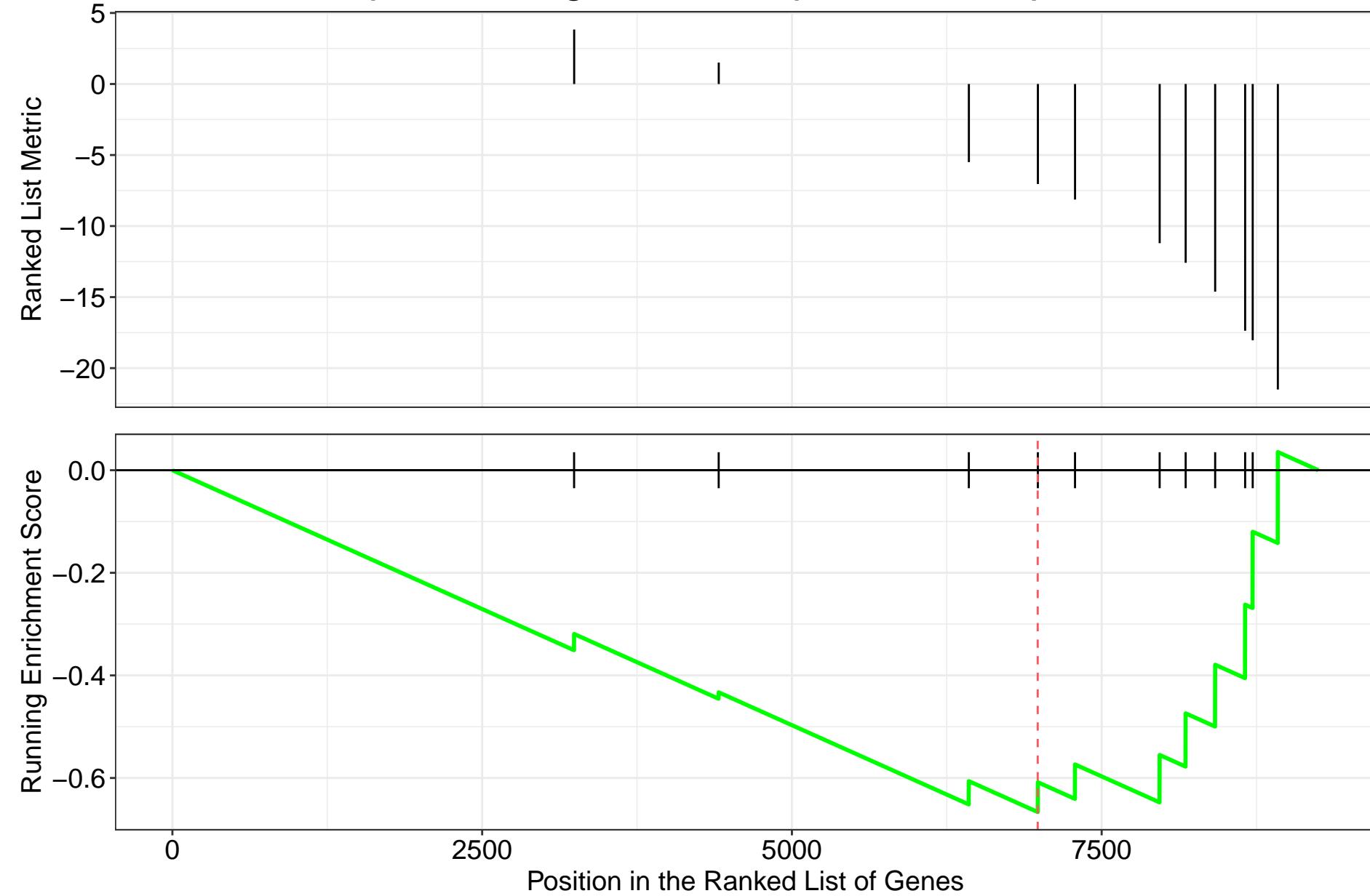
branching involved in salivary gland morphogenesis



positive regulation of leukocyte apoptotic process

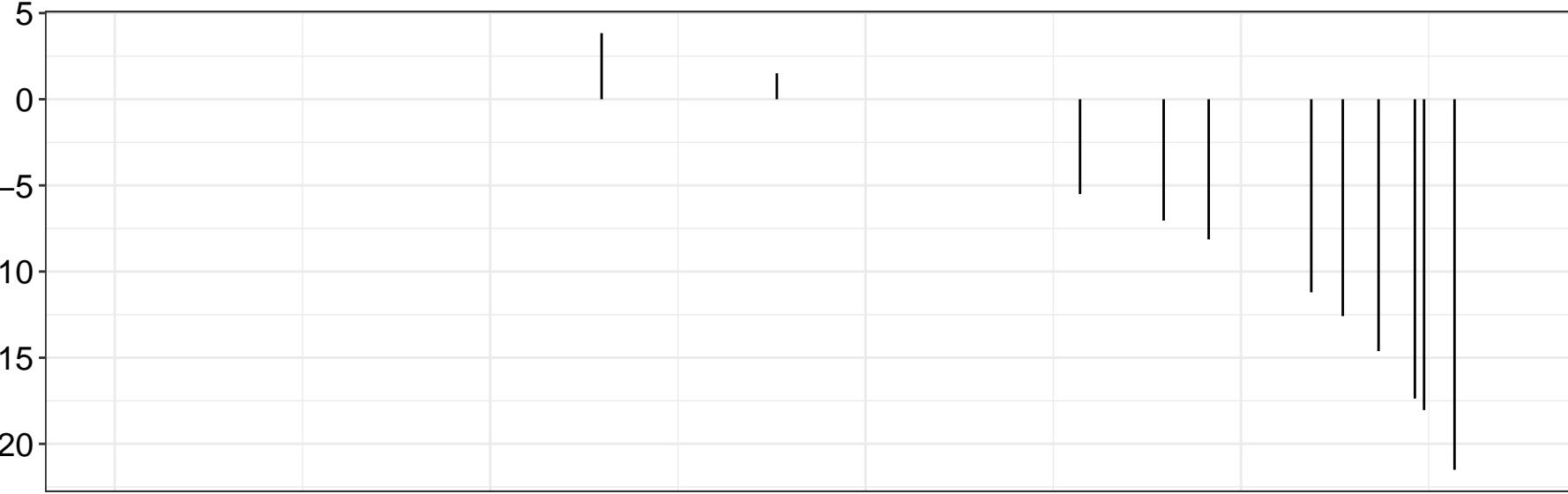


positive regulation of spindle checkpoint



positive regulation of mitotic cell cycle spindle assembly checkpoint

Ranked List Metric



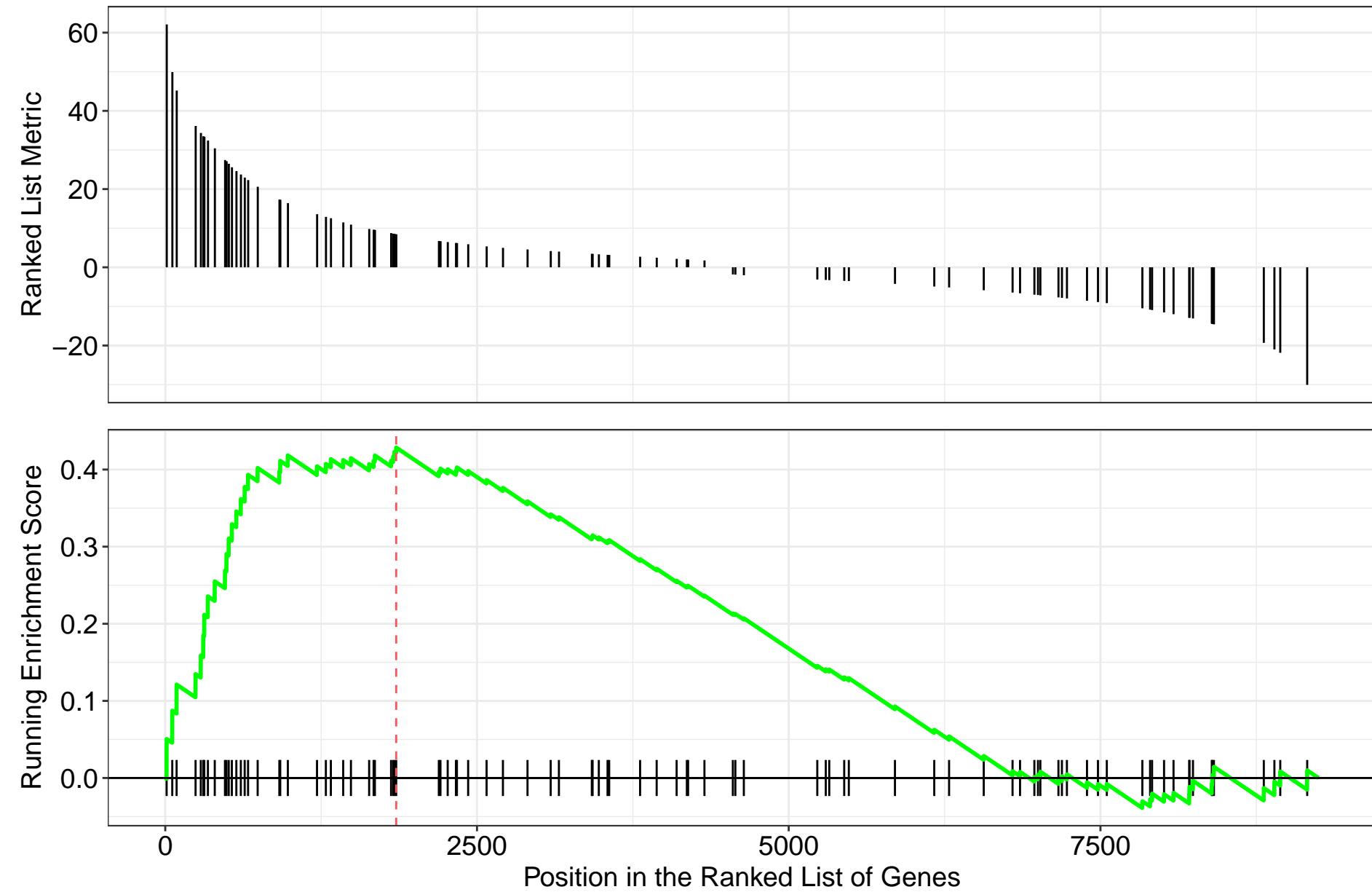
Running Enrichment Score

0 2500 5000 7500

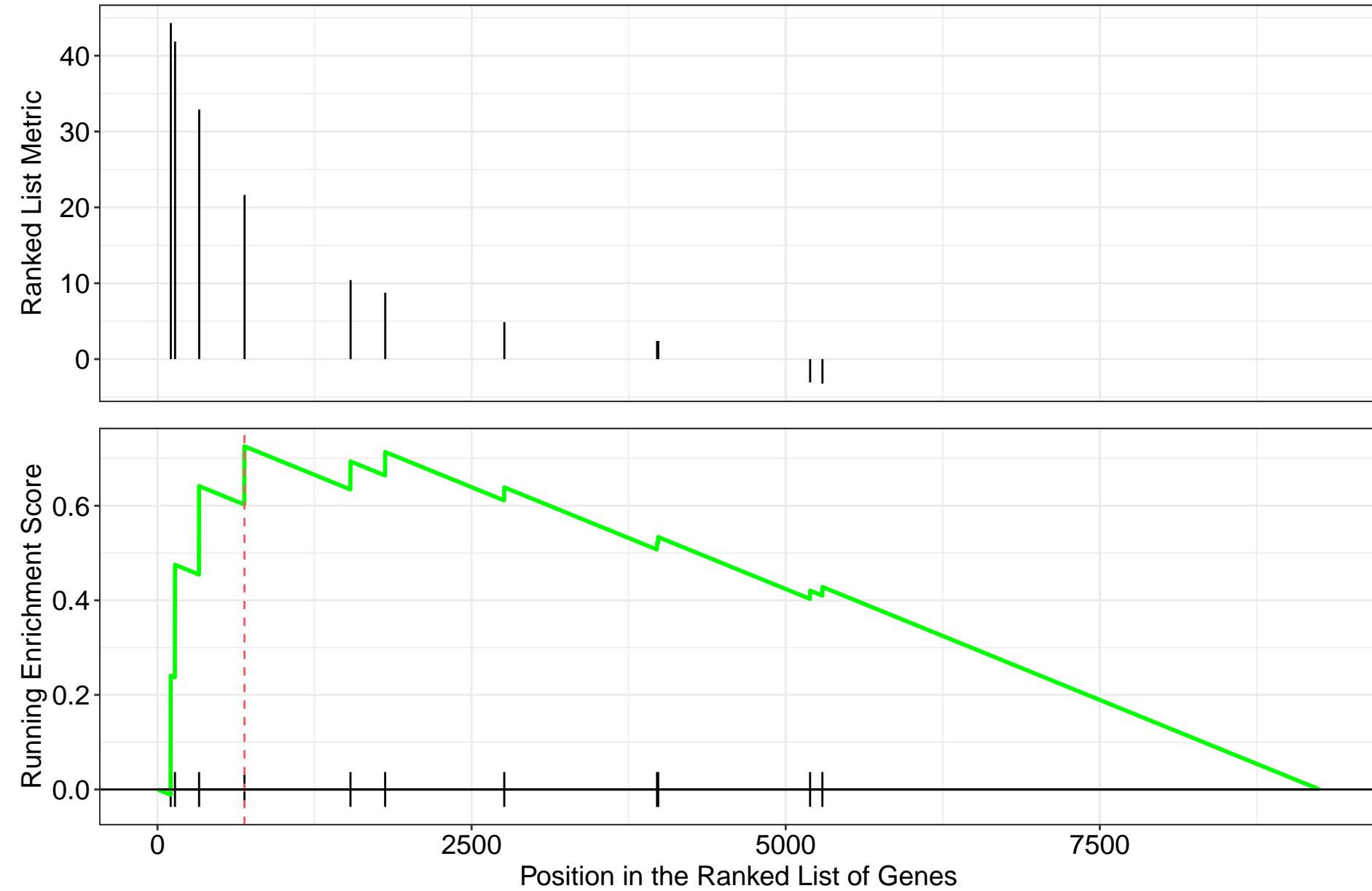
Position in the Ranked List of Genes



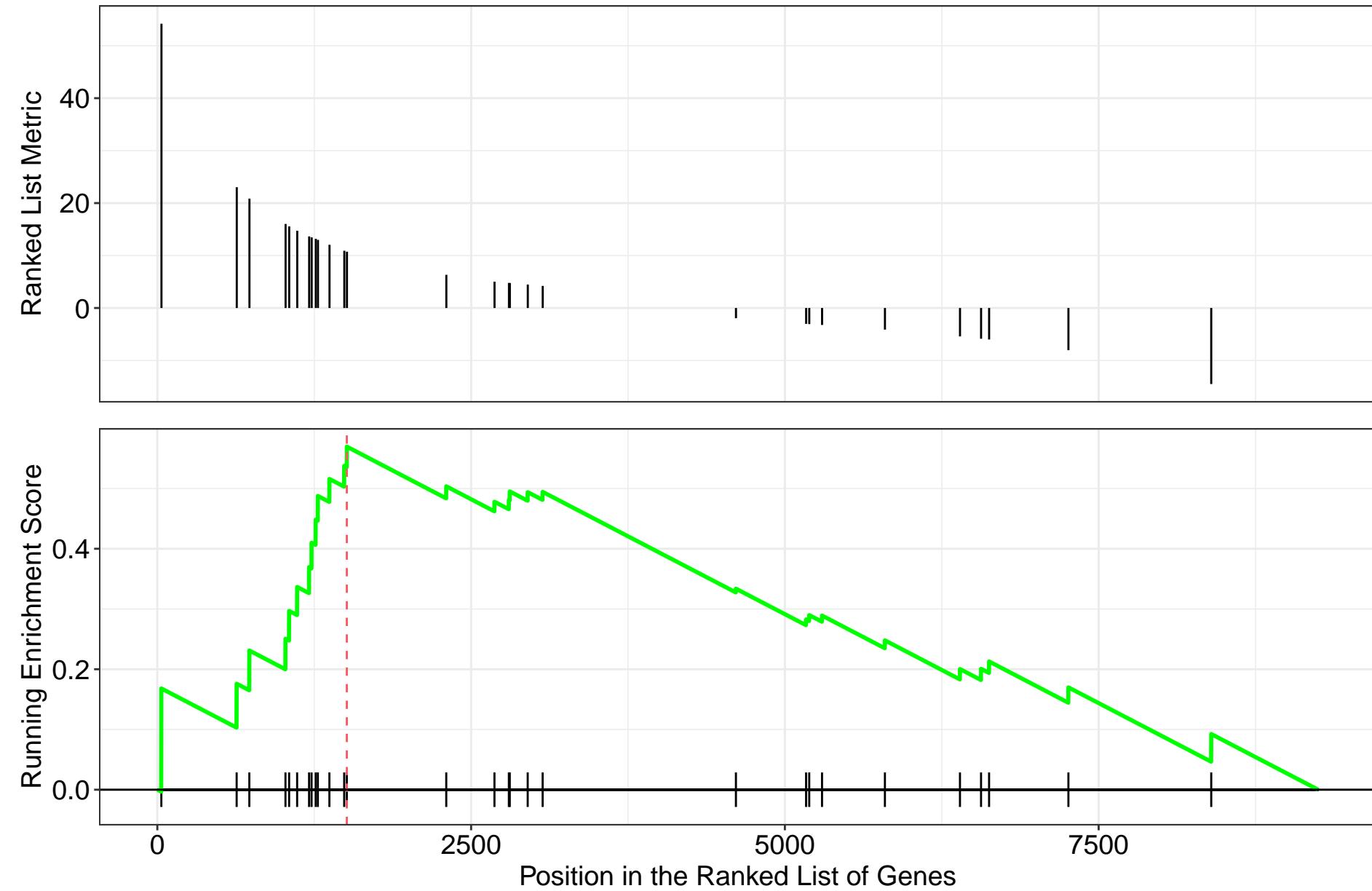
regulation of protein kinase B signaling



negative regulation of activated T cell proliferation

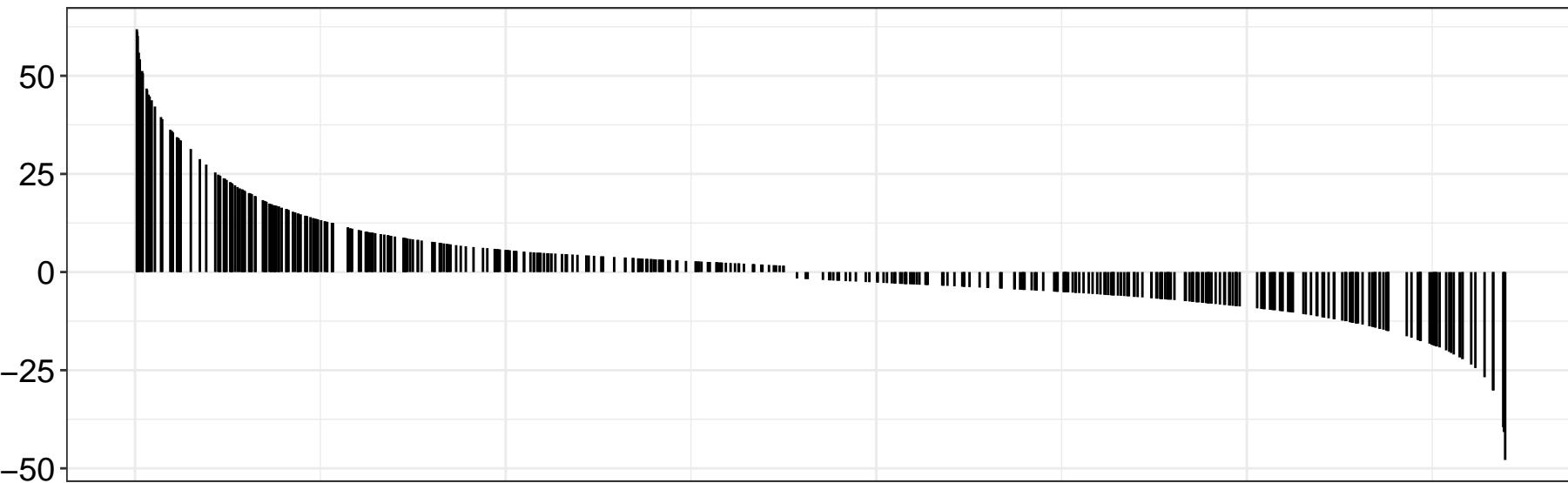


macrophage cytokine production



negative regulation of developmental process

Ranked List Metric



Running Enrichment Score

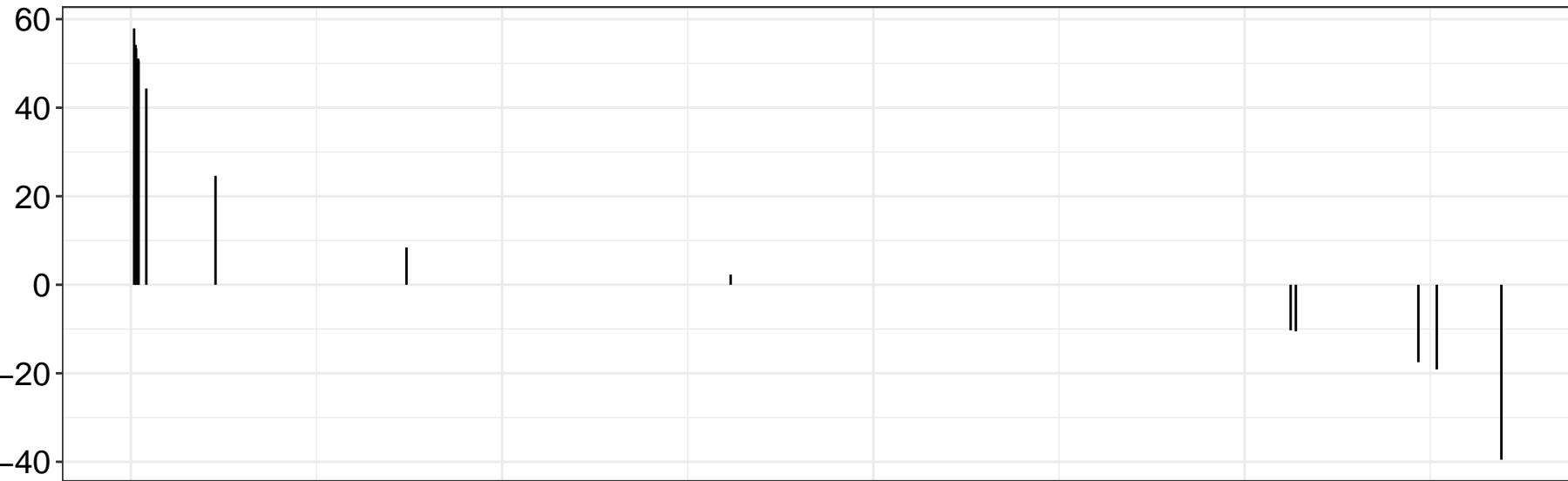
0 2500 5000 7500

Position in the Ranked List of Genes

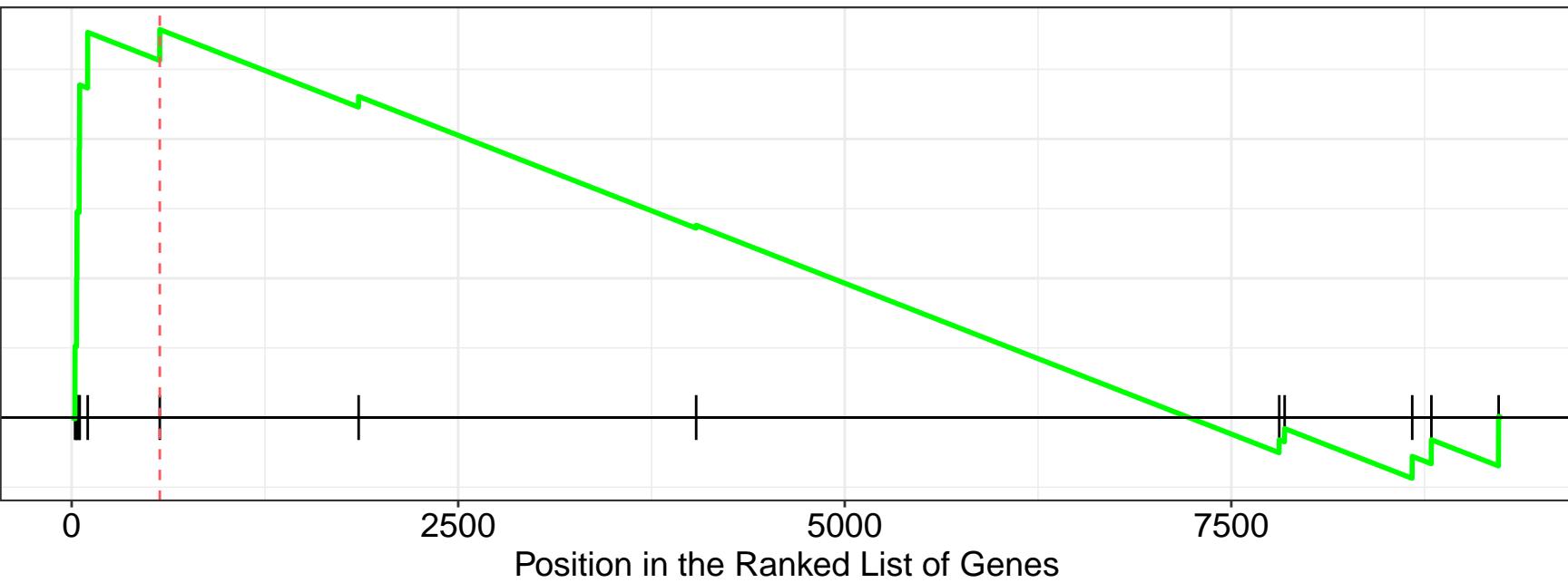


heat generation

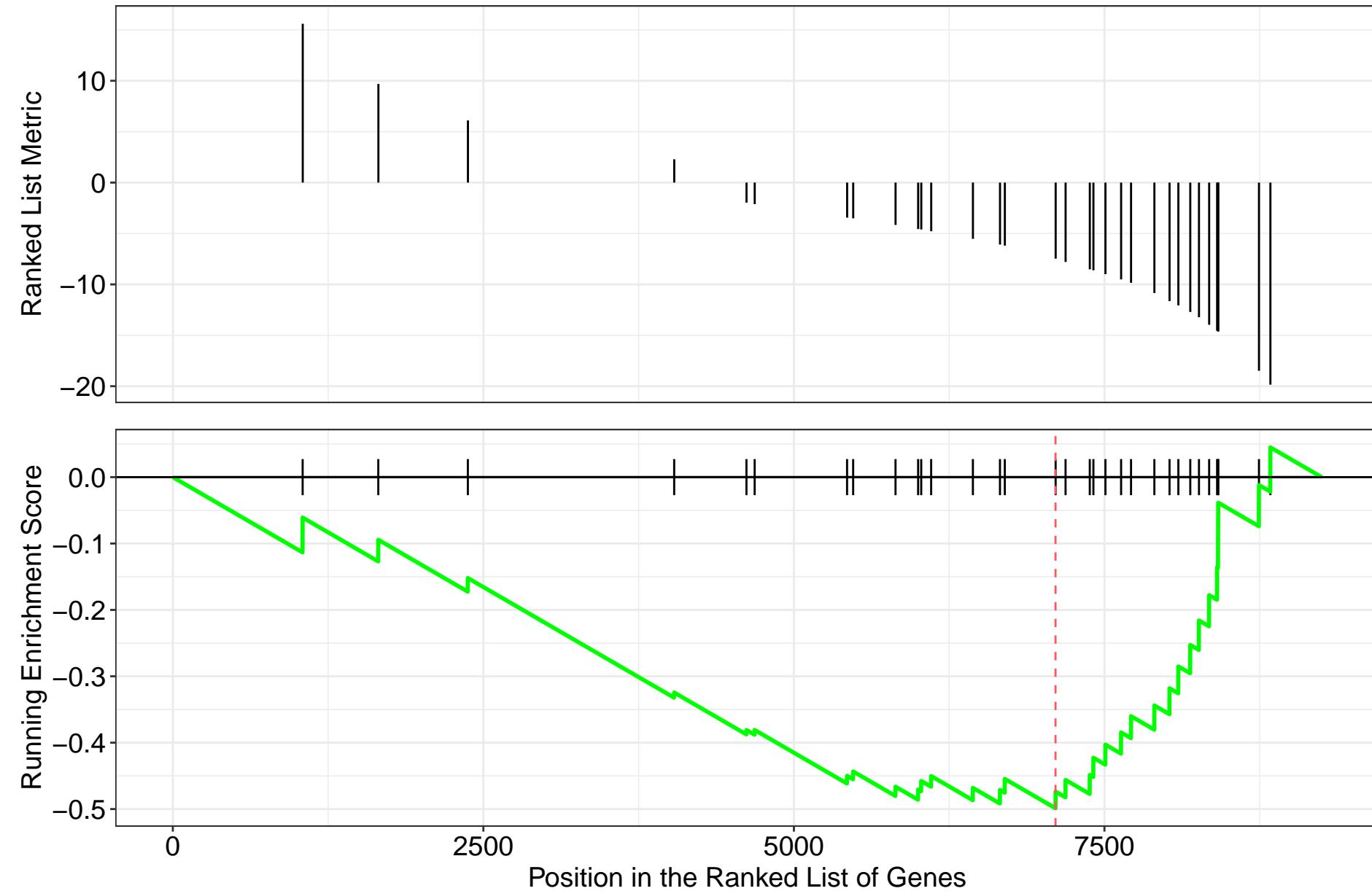
Ranked List Metric



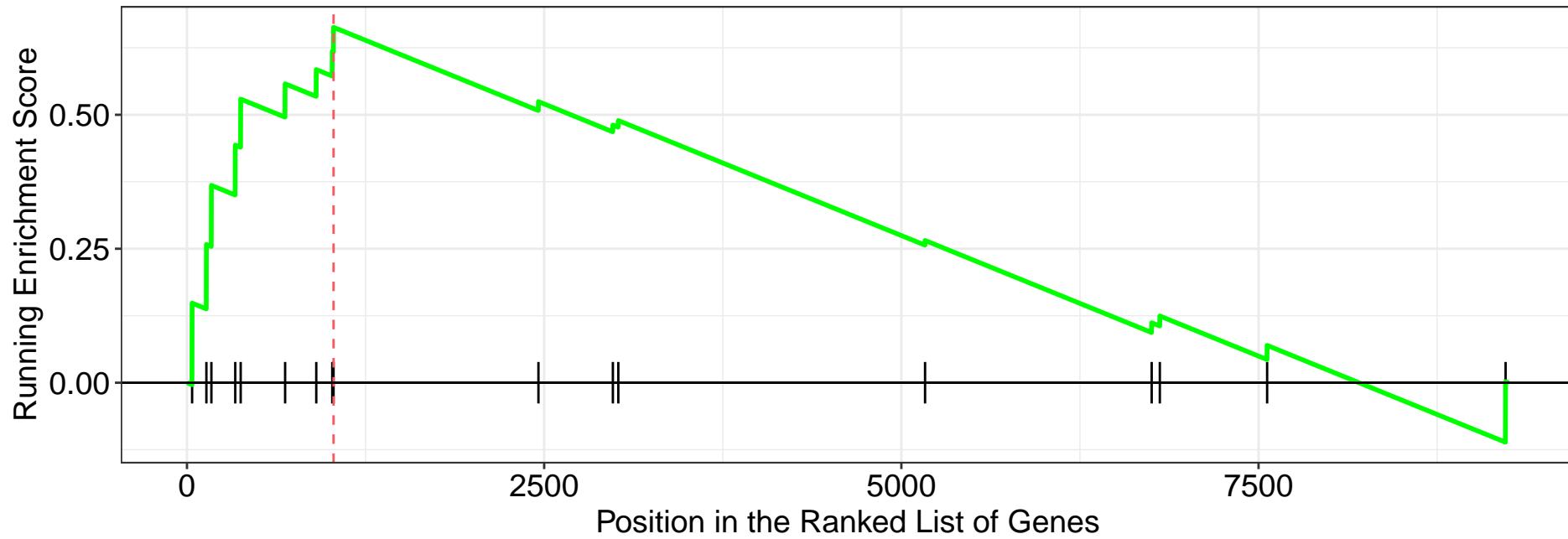
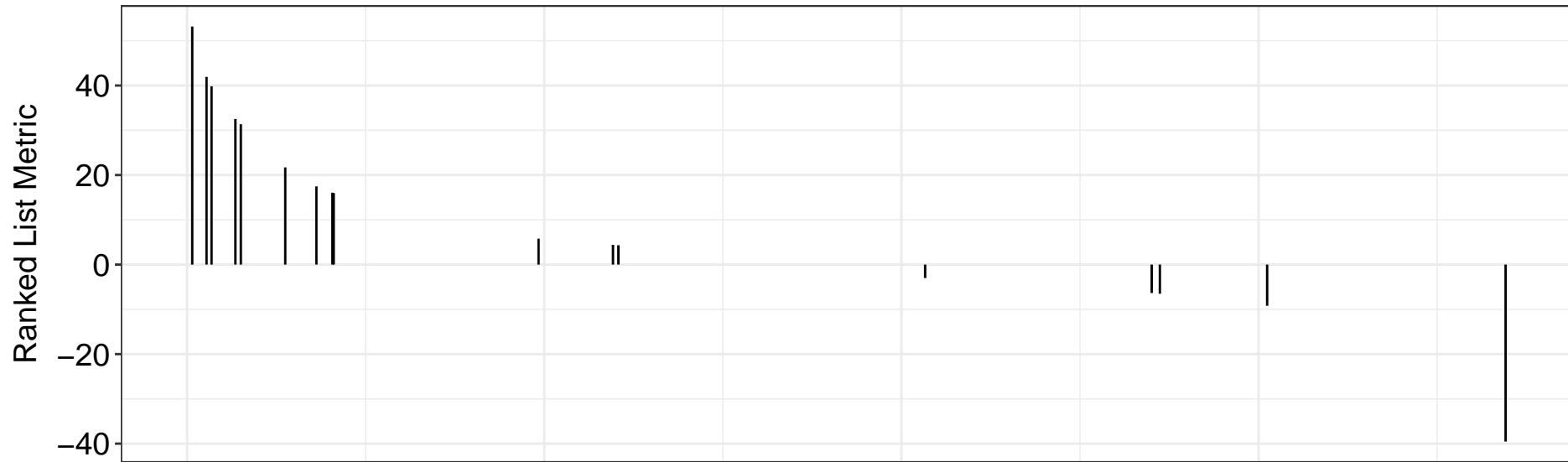
Running Enrichment Score



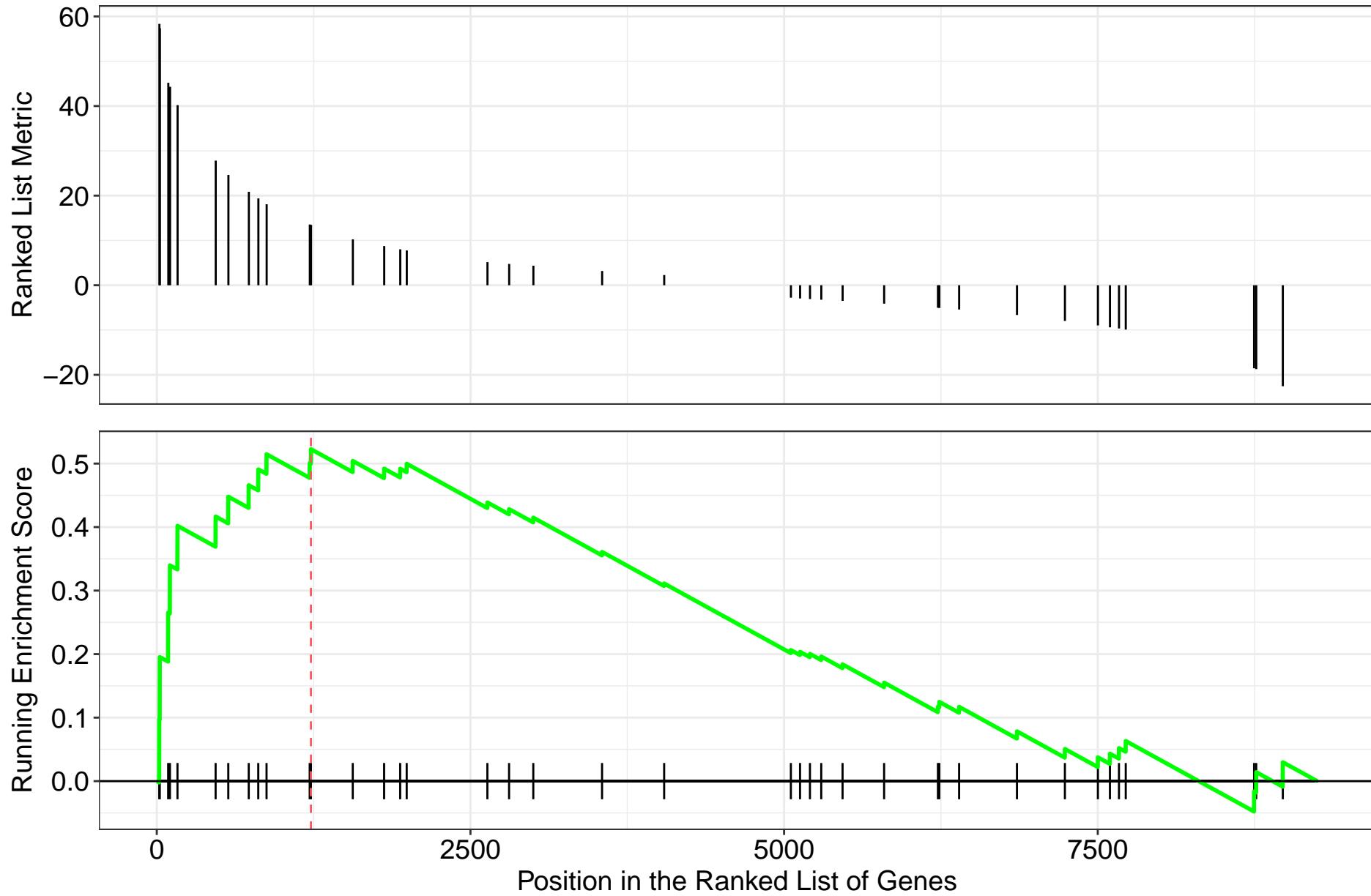
DNA–templated DNA replication maintenance of fidelity



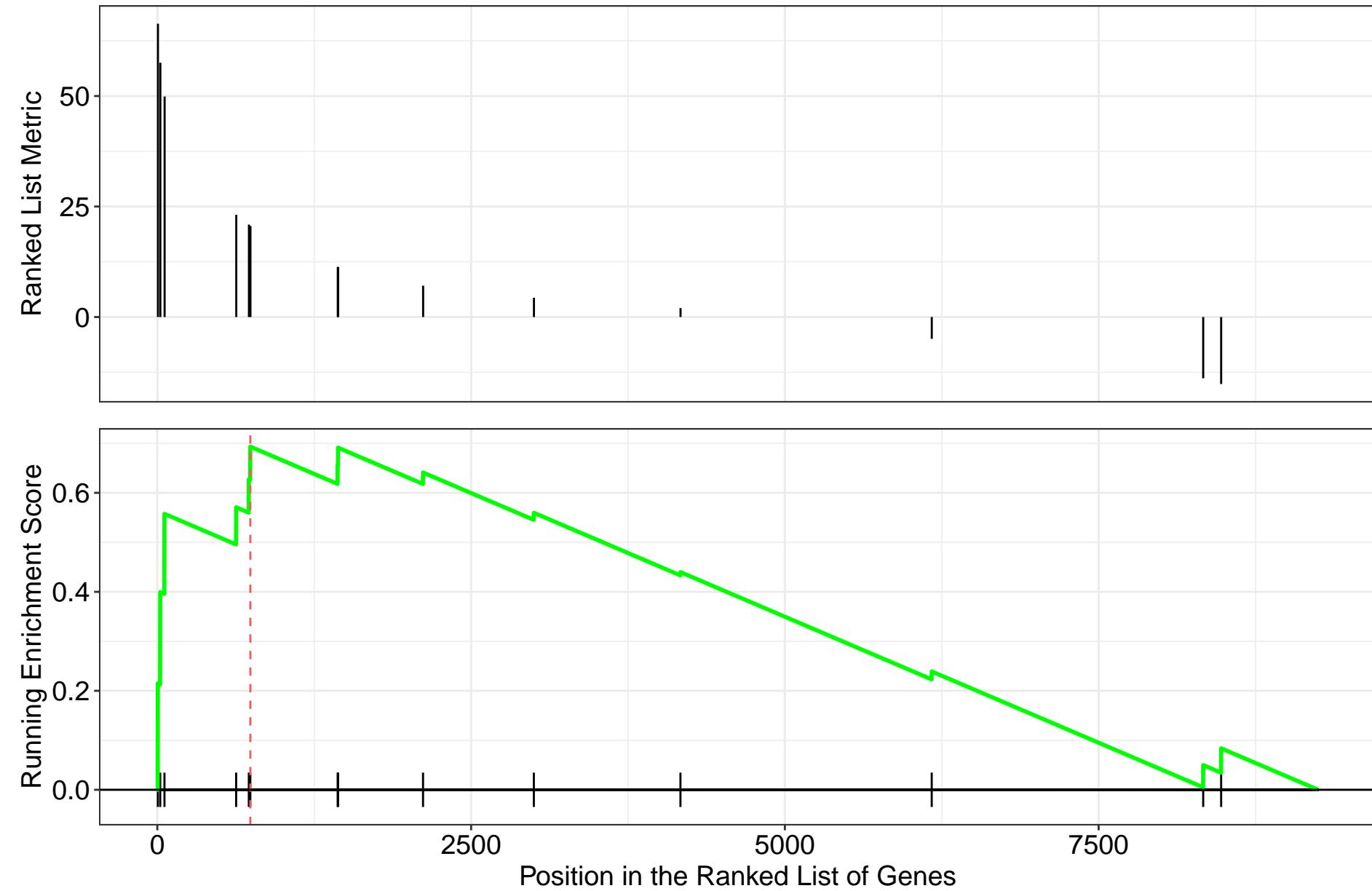
regulation of actin filament–based movement



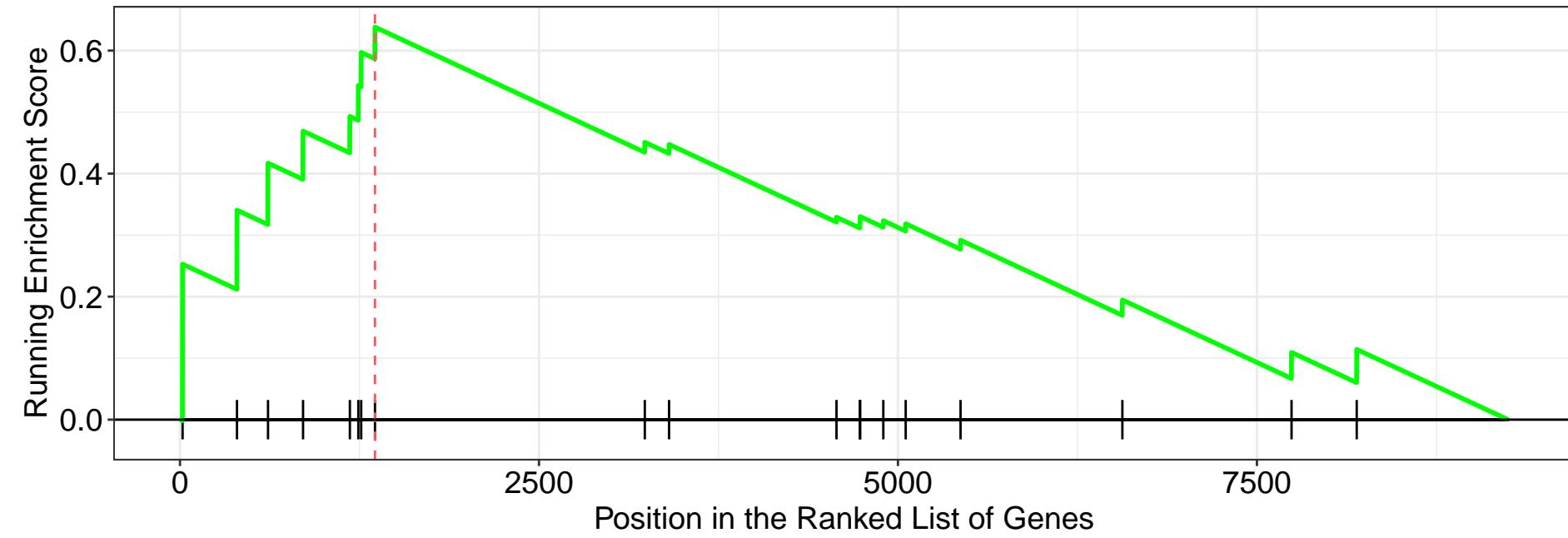
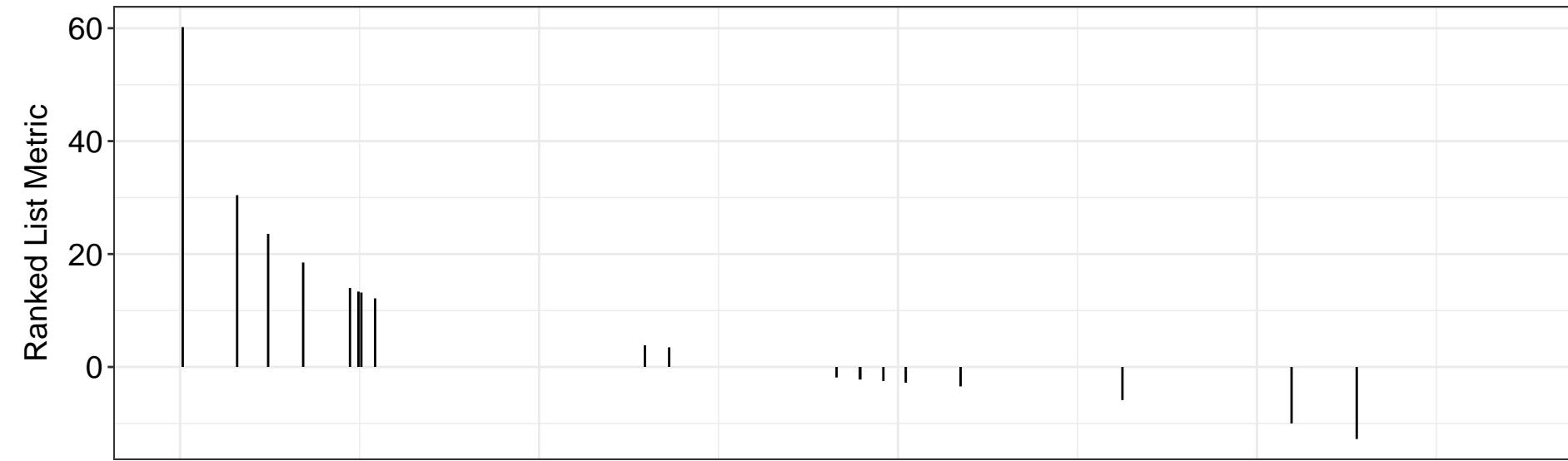
cytokine production involved in inflammatory response



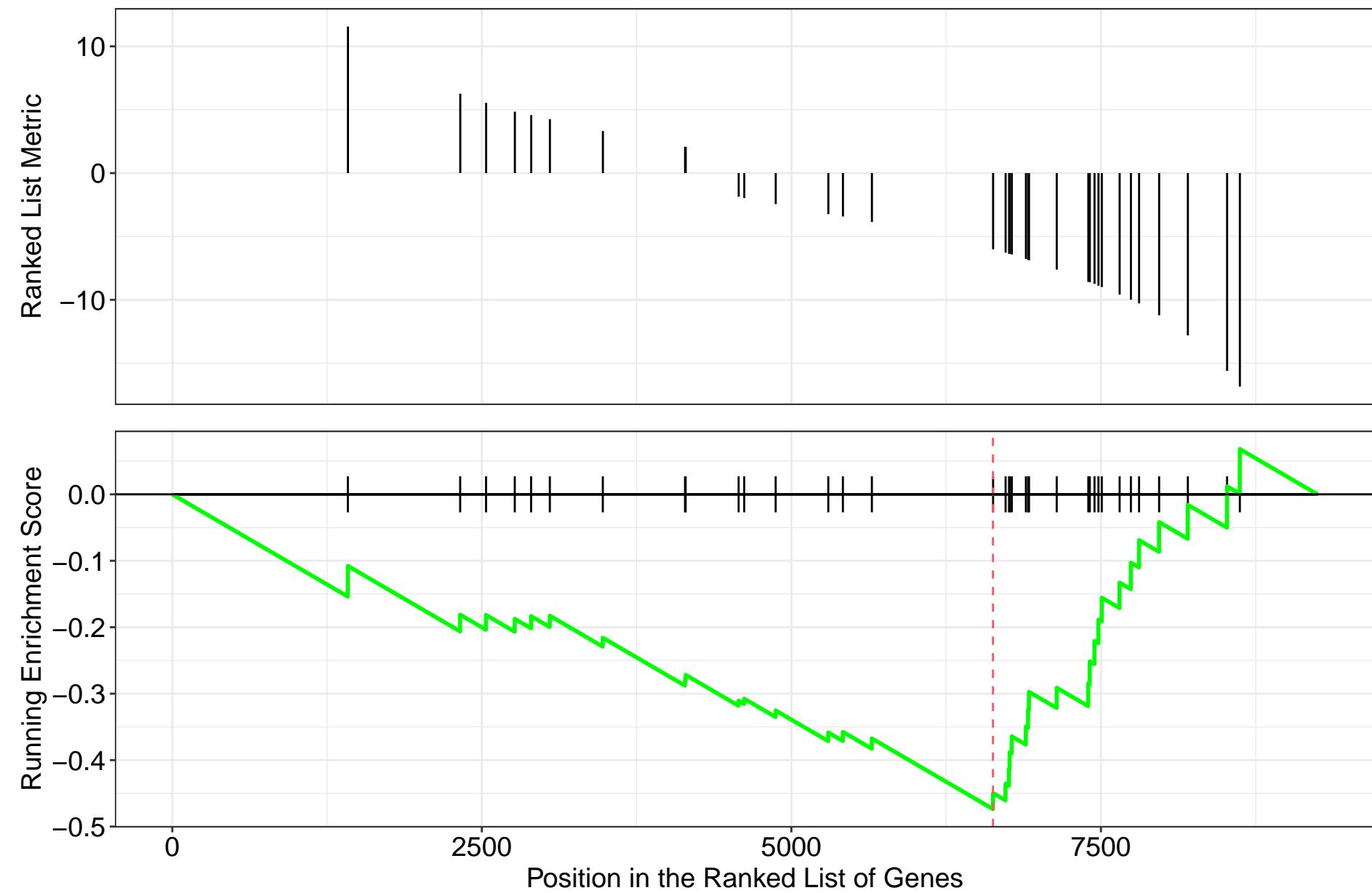
regulation of NK T cell activation



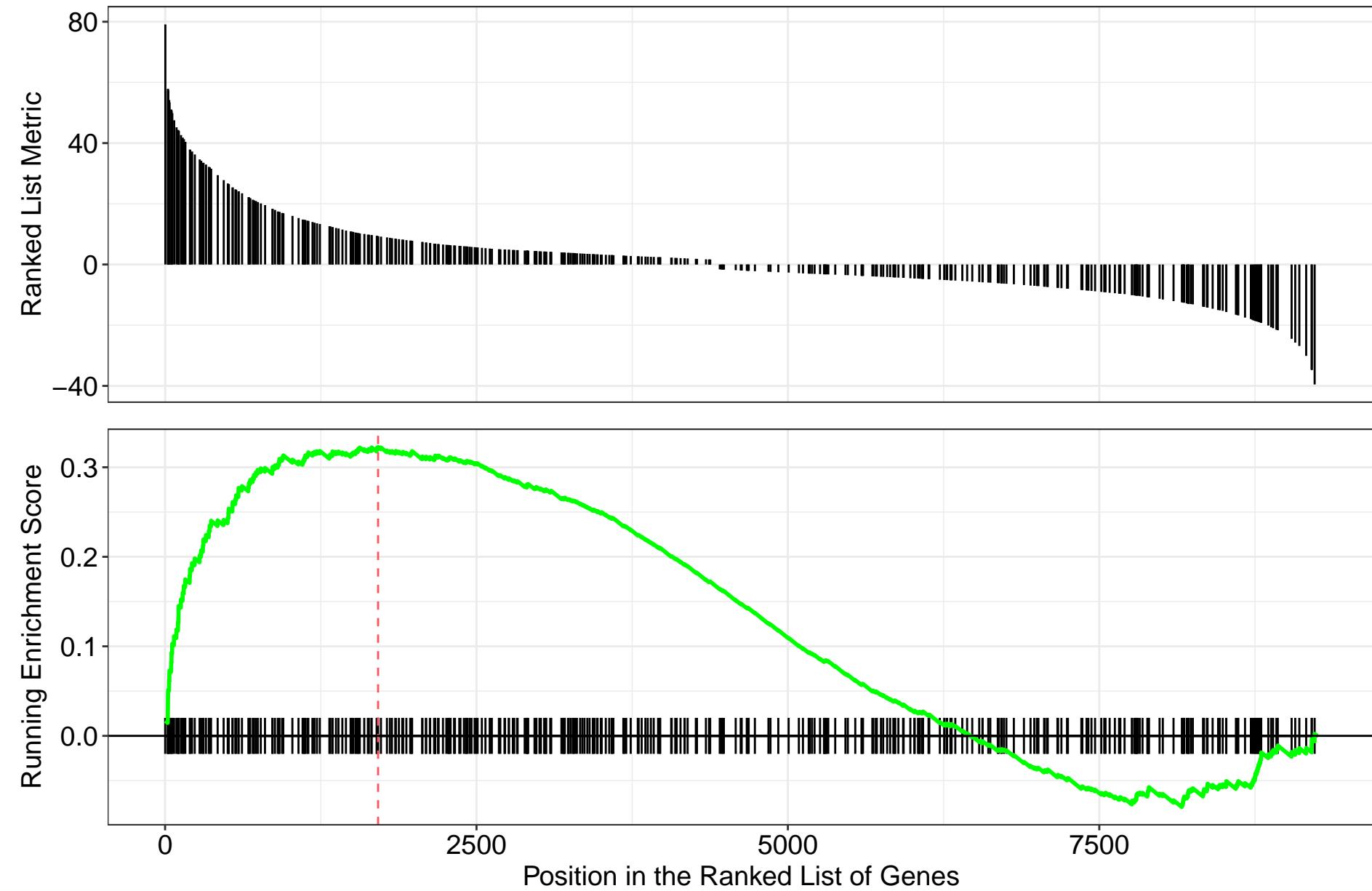
mitochondrial depolarization



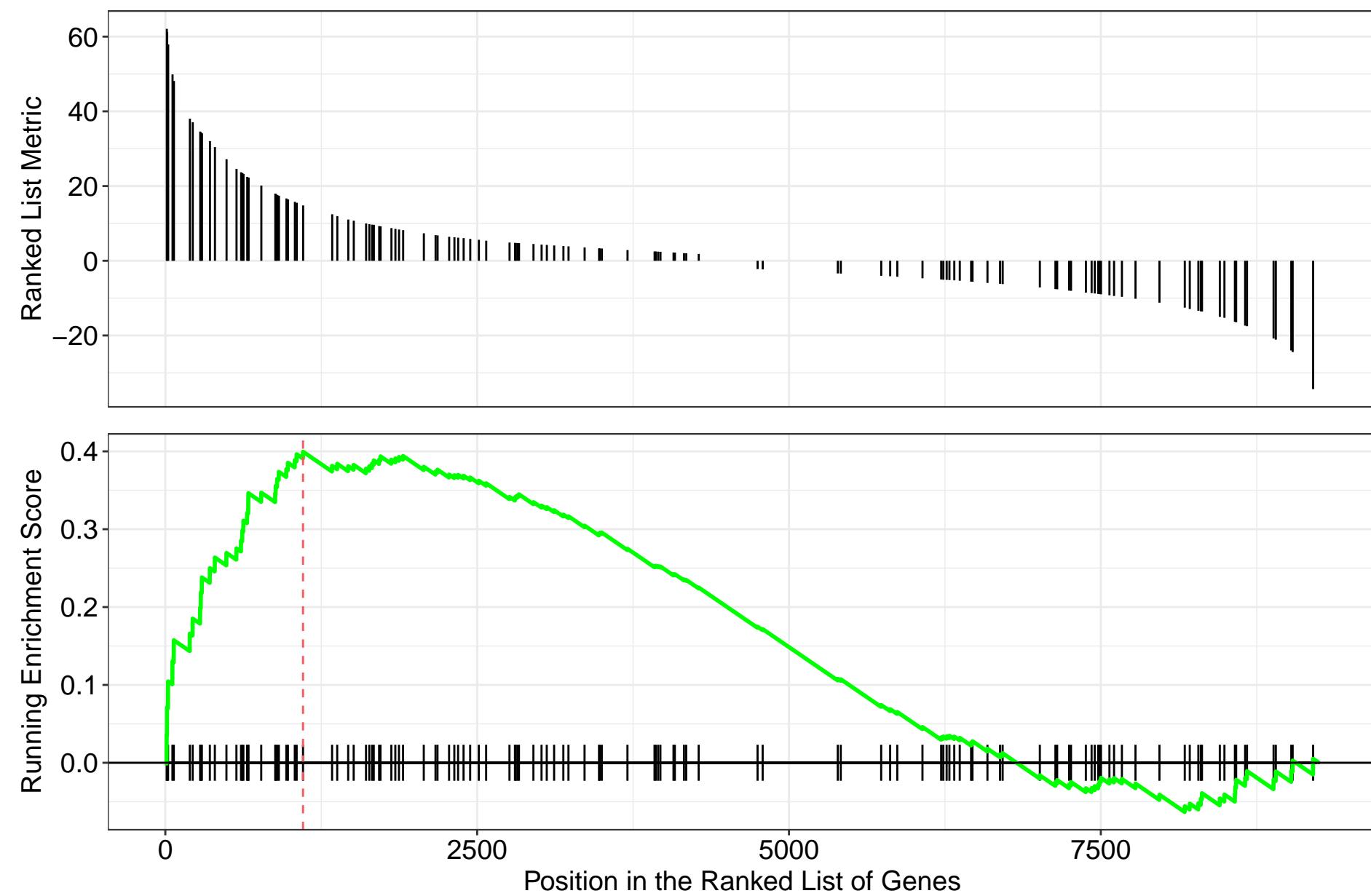
glucan metabolic process



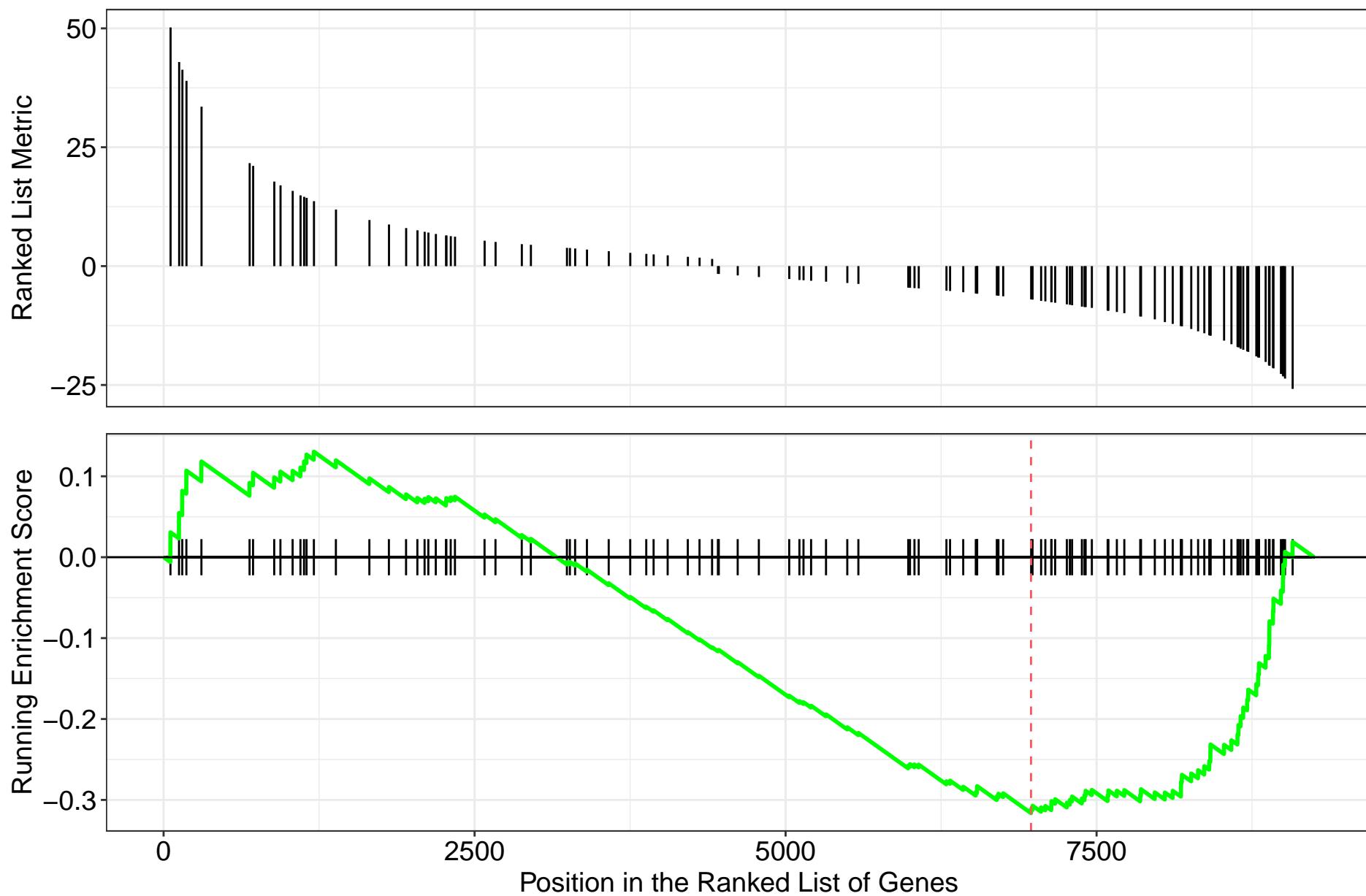
secretion by cell



myeloid leukocyte differentiation

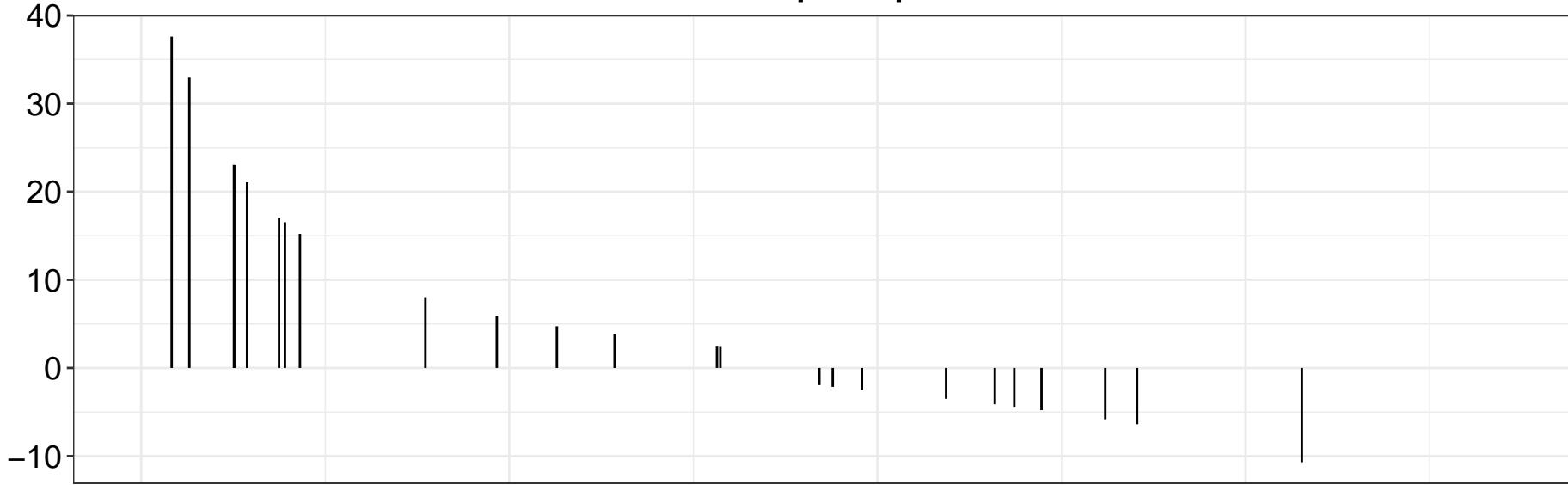


negative regulation of mitotic cell cycle phase transition



interferon-alpha production

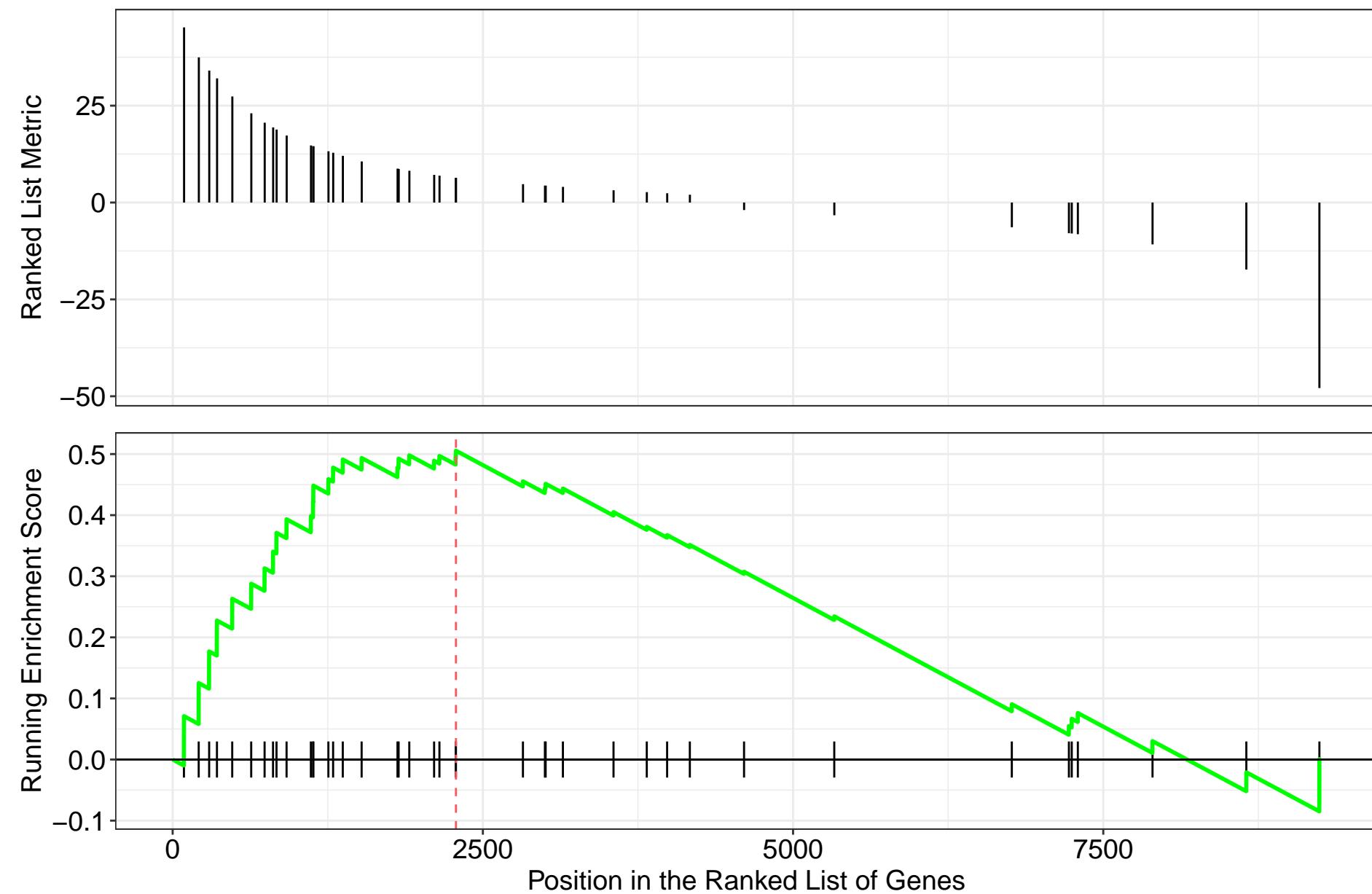
Ranked List Metric



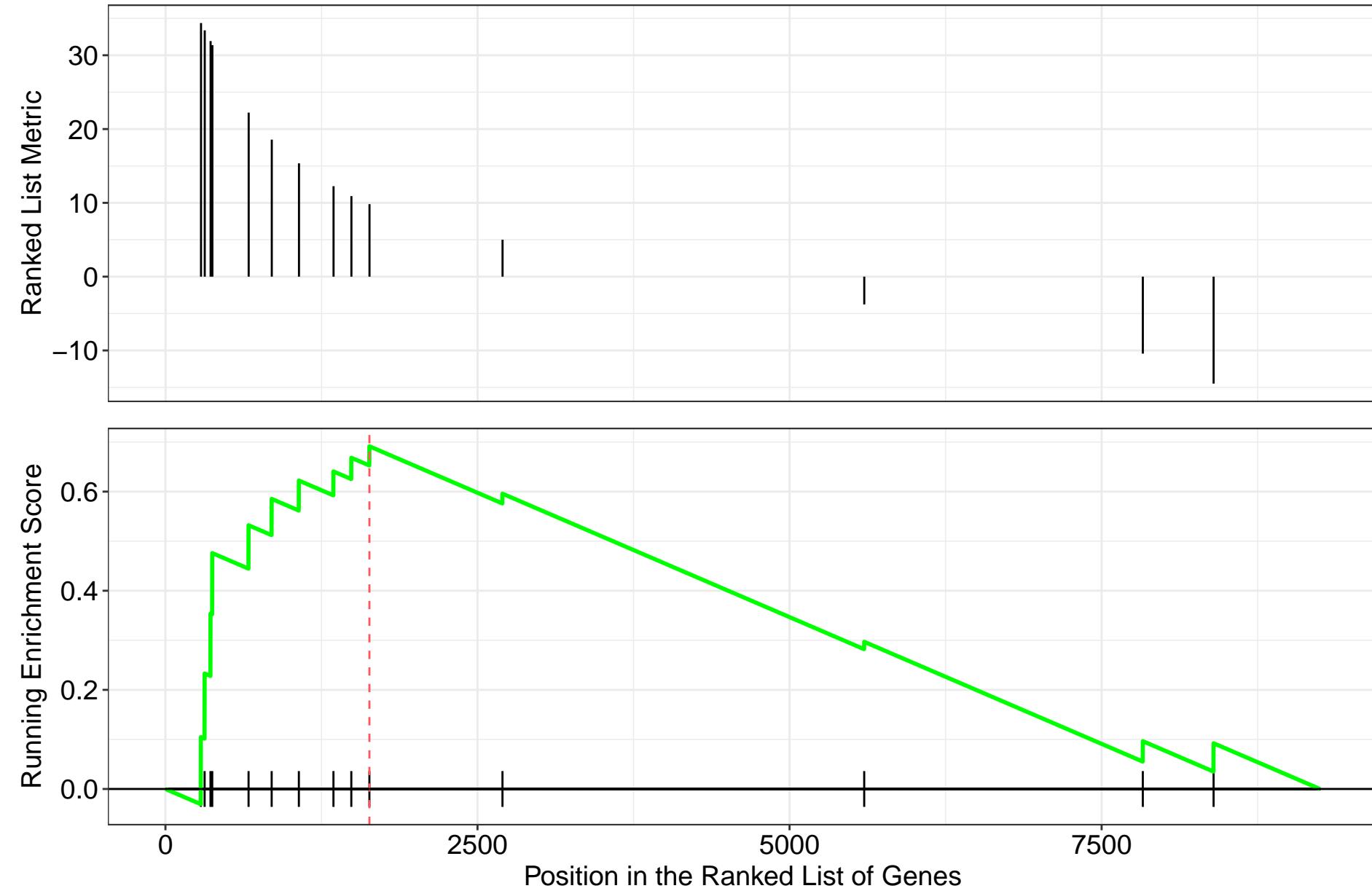
Running Enrichment Score



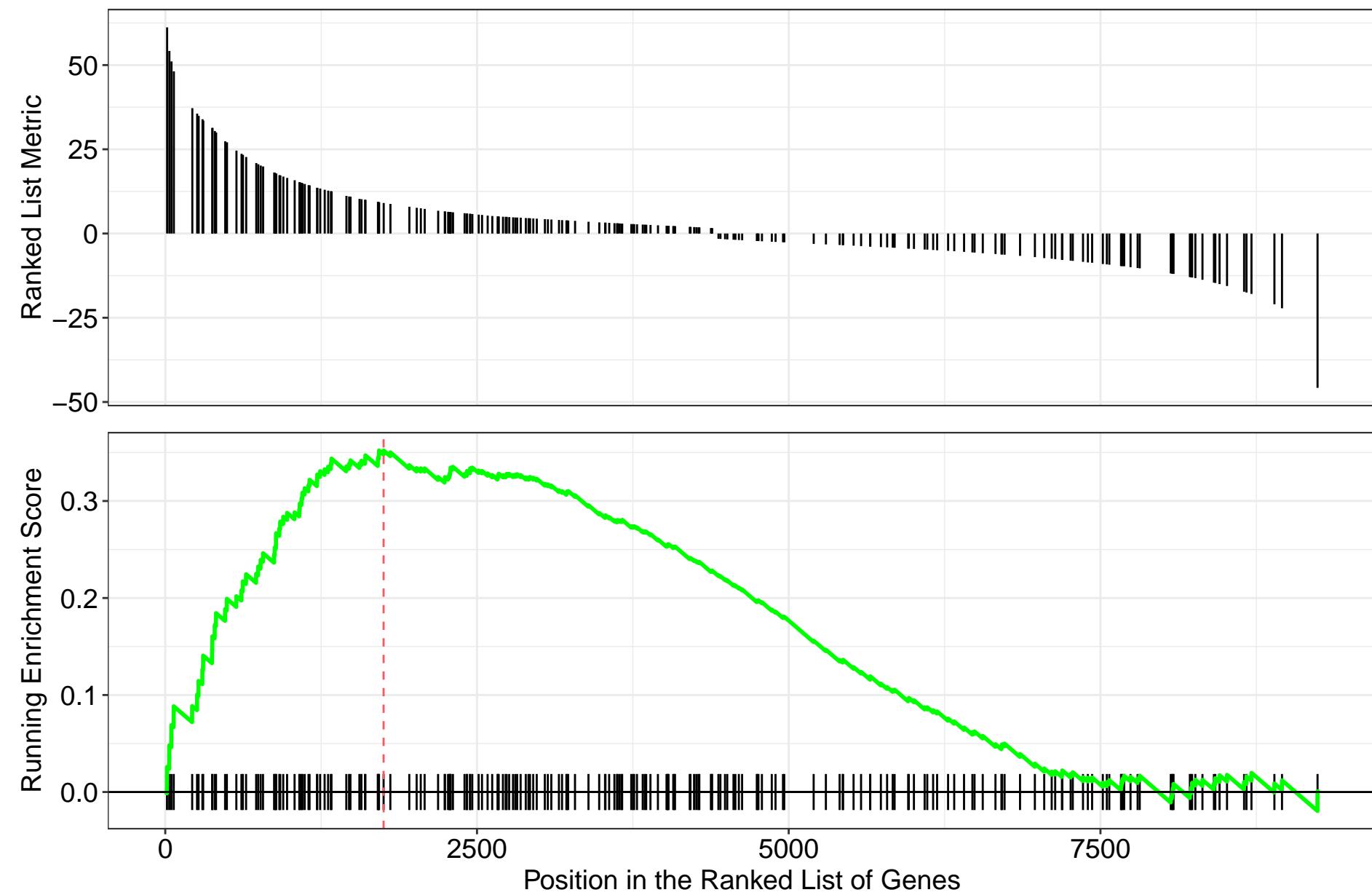
regulation of alpha–beta T cell differentiation



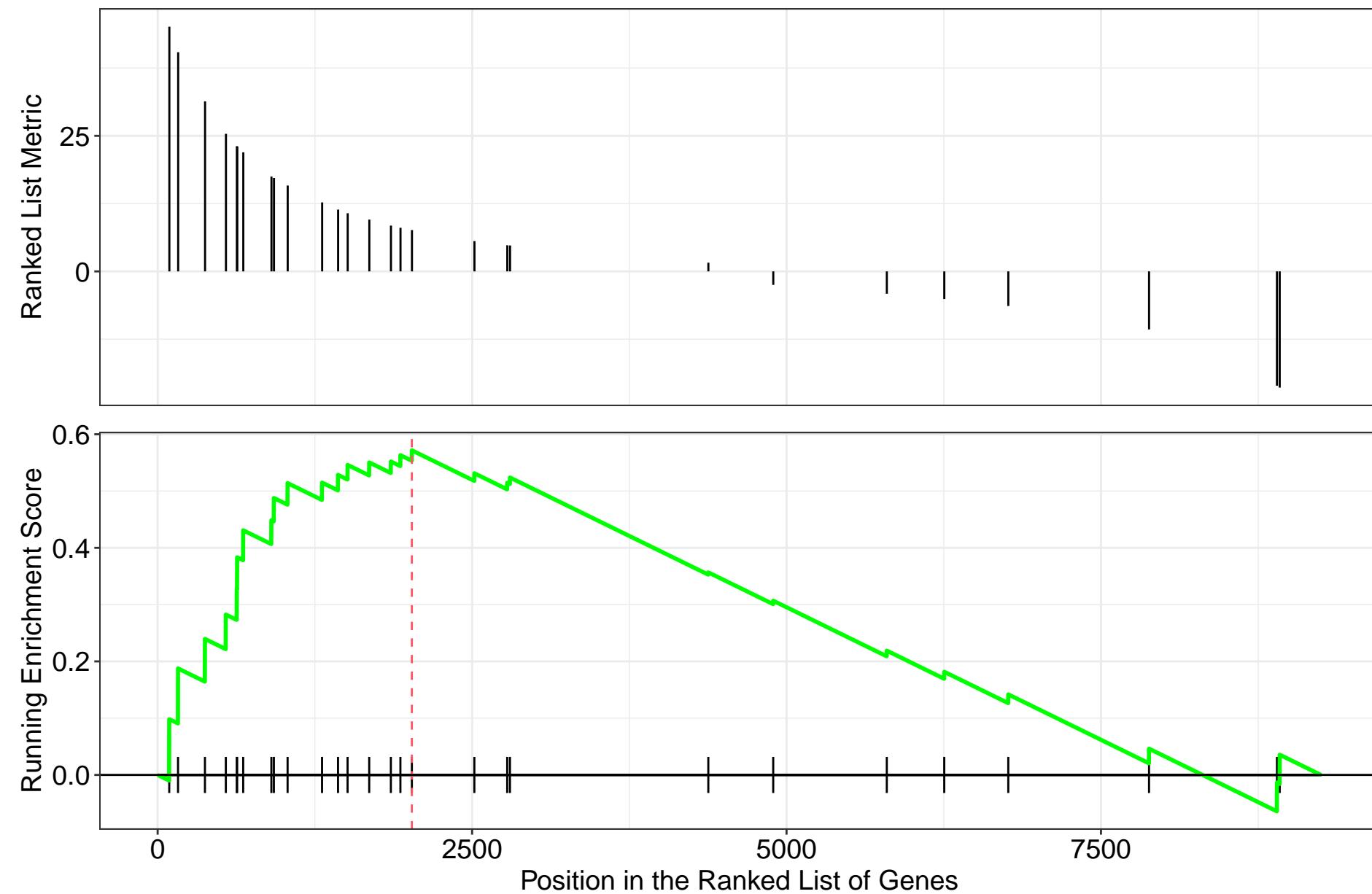
cellular response to interferon-alpha



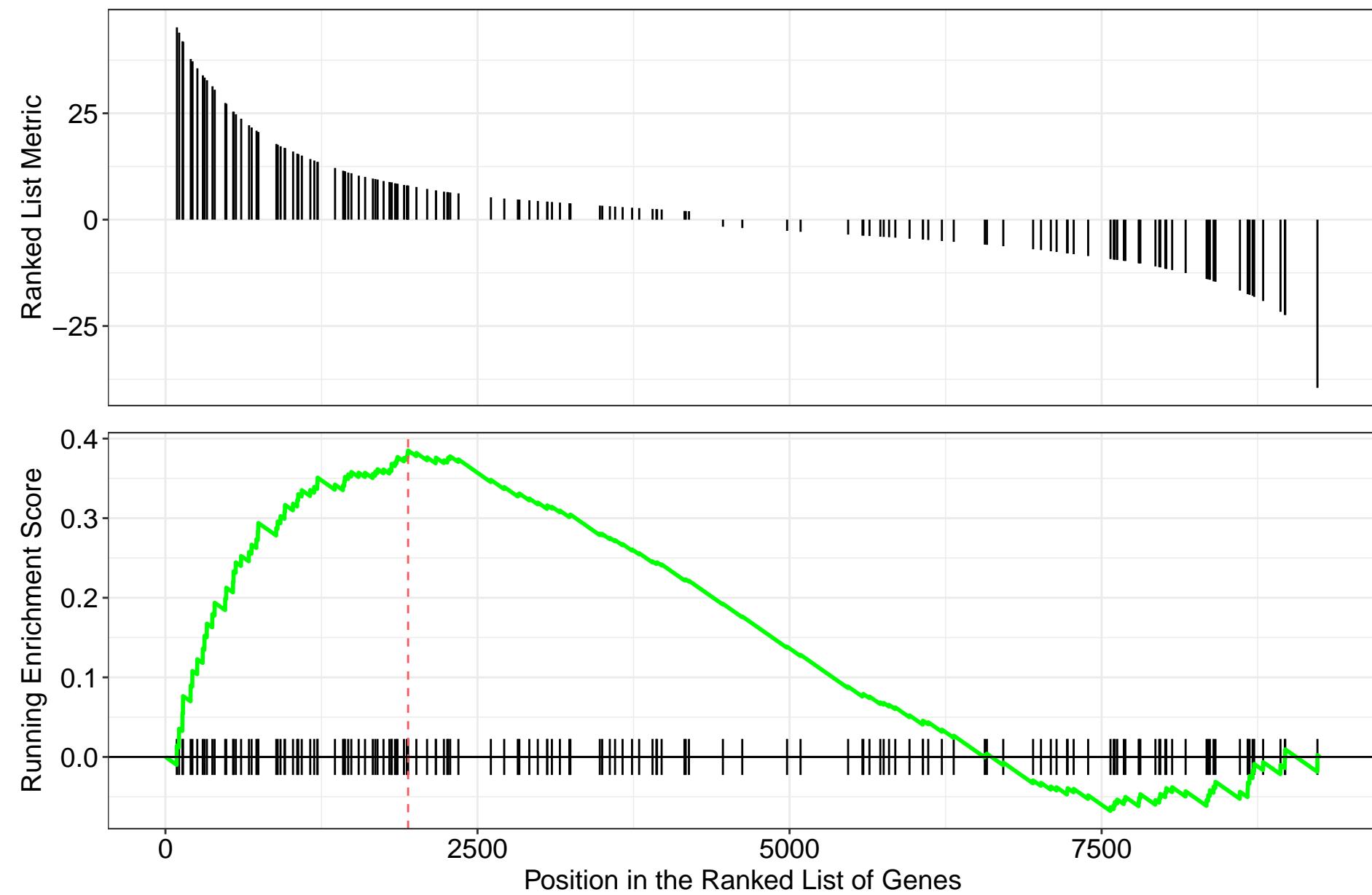
regulation of apoptotic signaling pathway



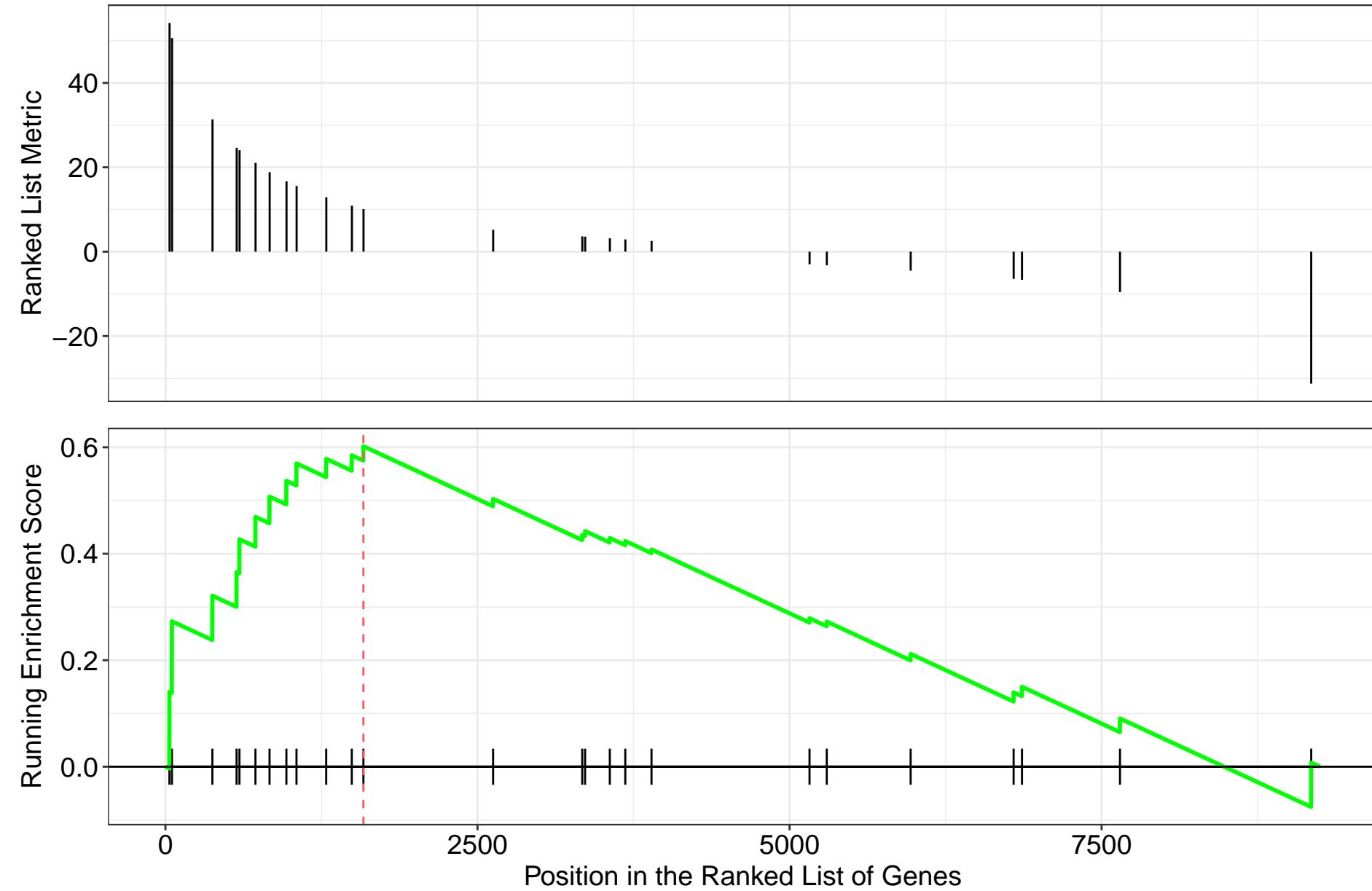
positive regulation of pattern recognition receptor signaling pathway



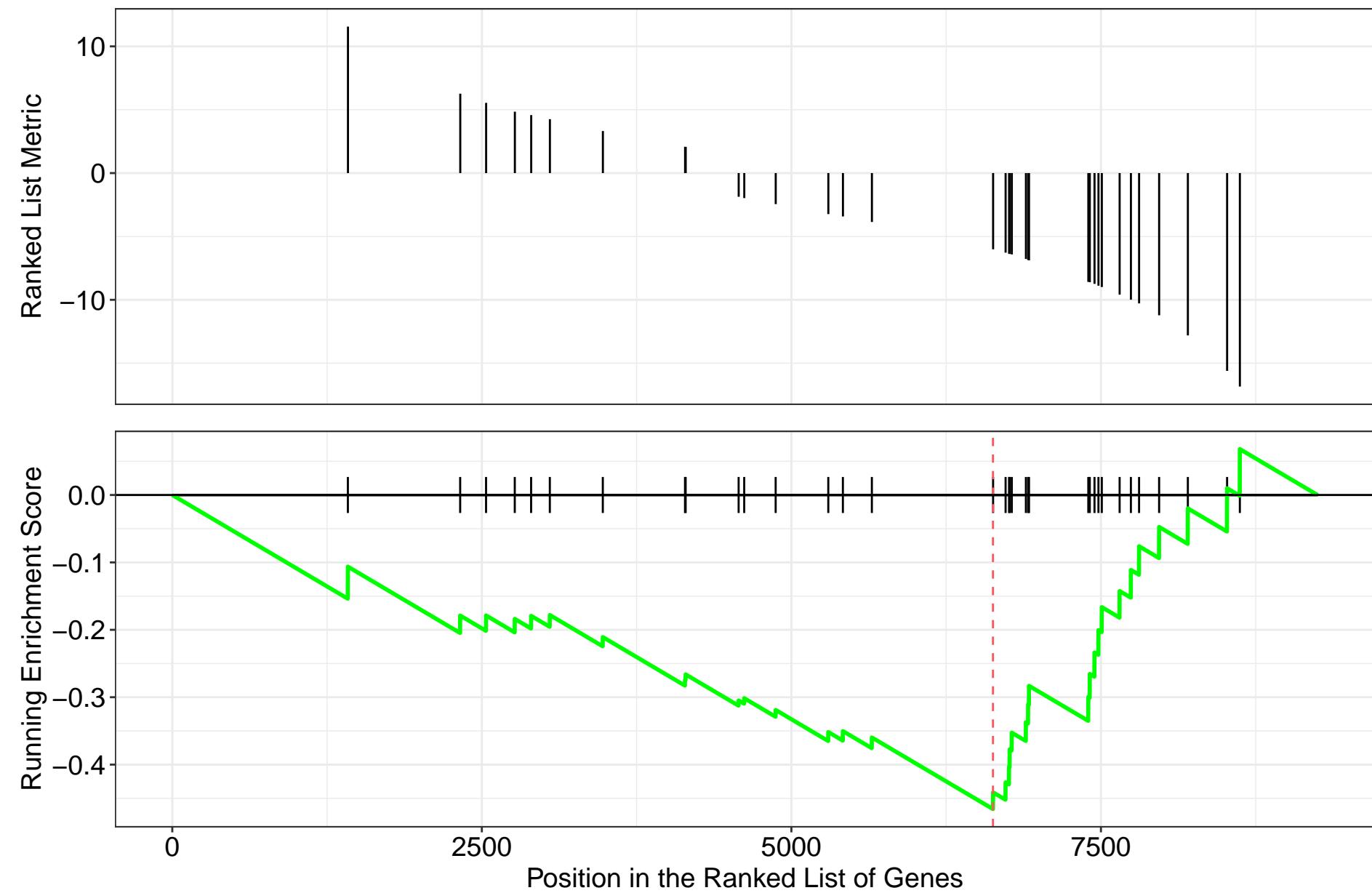
regulation of body fluid levels



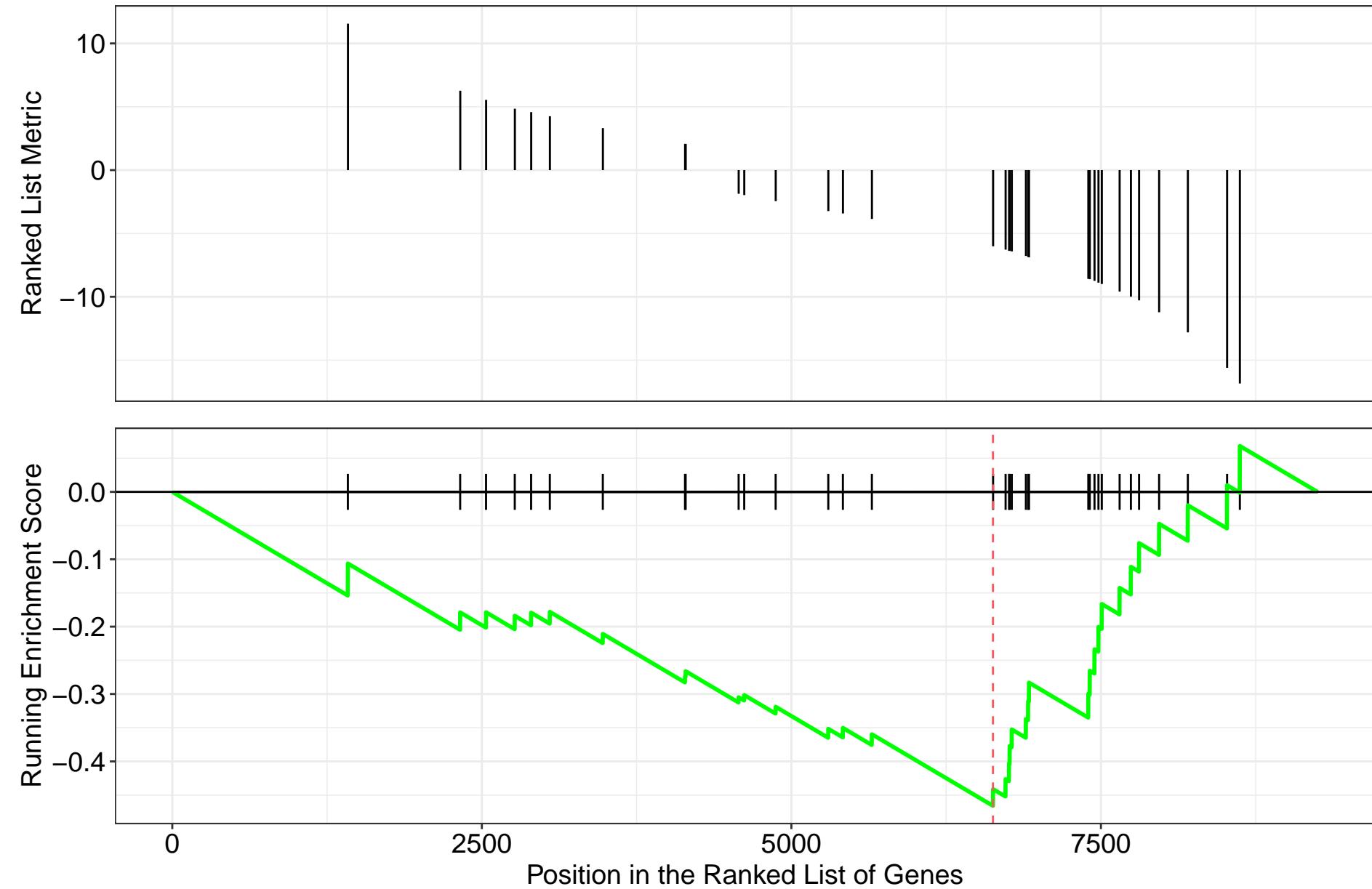
regulation of monooxygenase activity



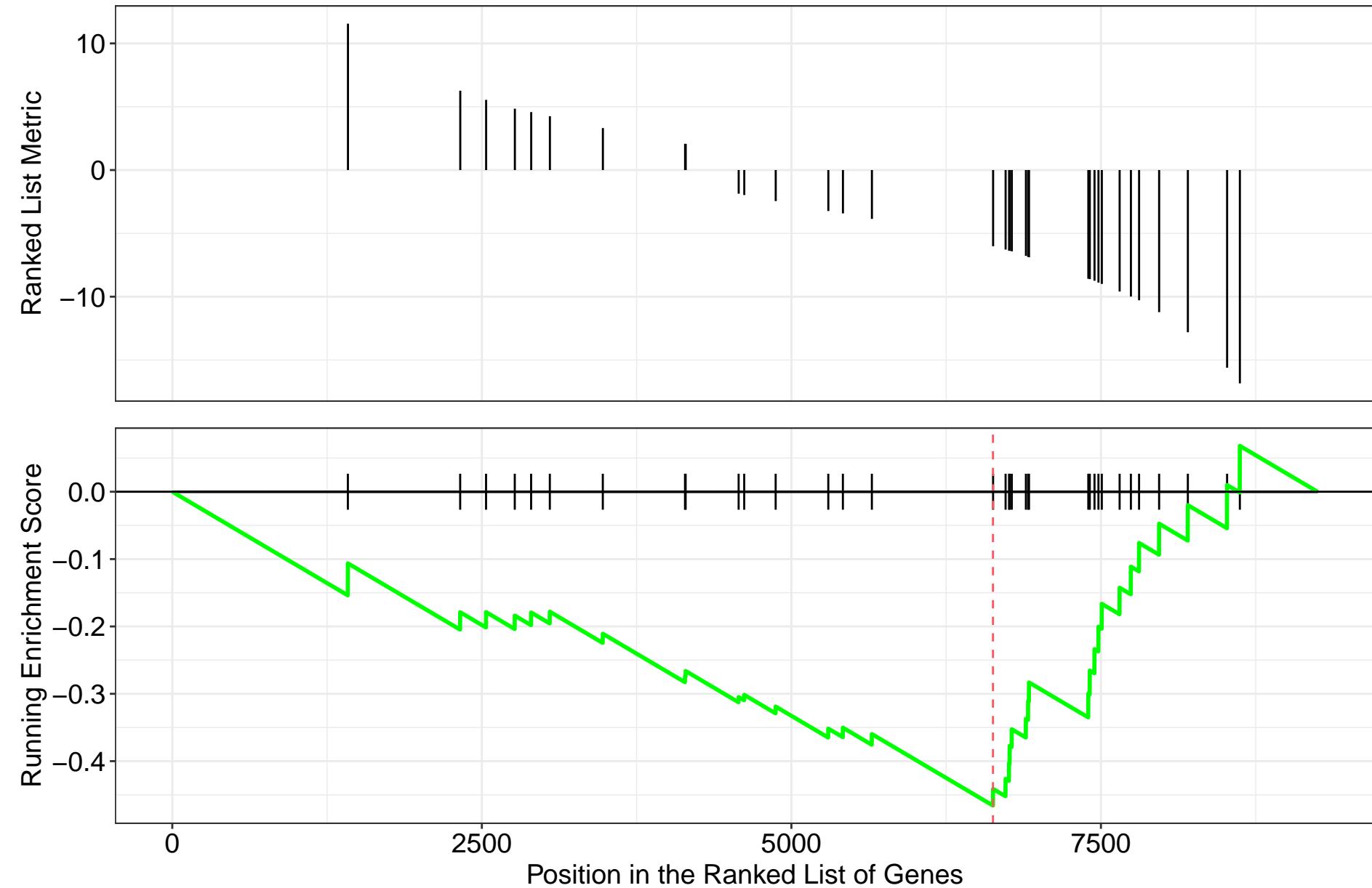
glycogen metabolic process



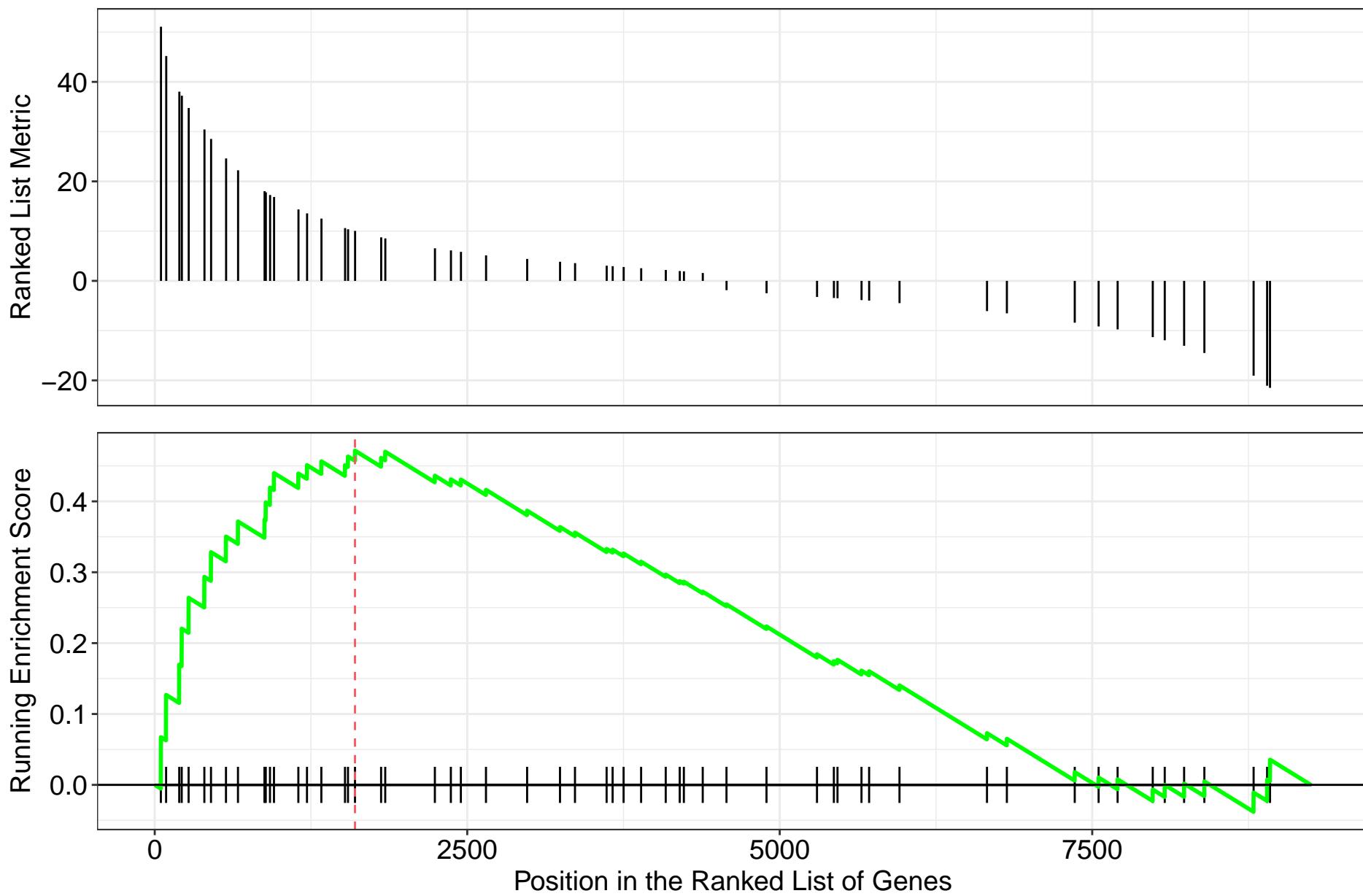
cellular glucan metabolic process



energy reserve metabolic process

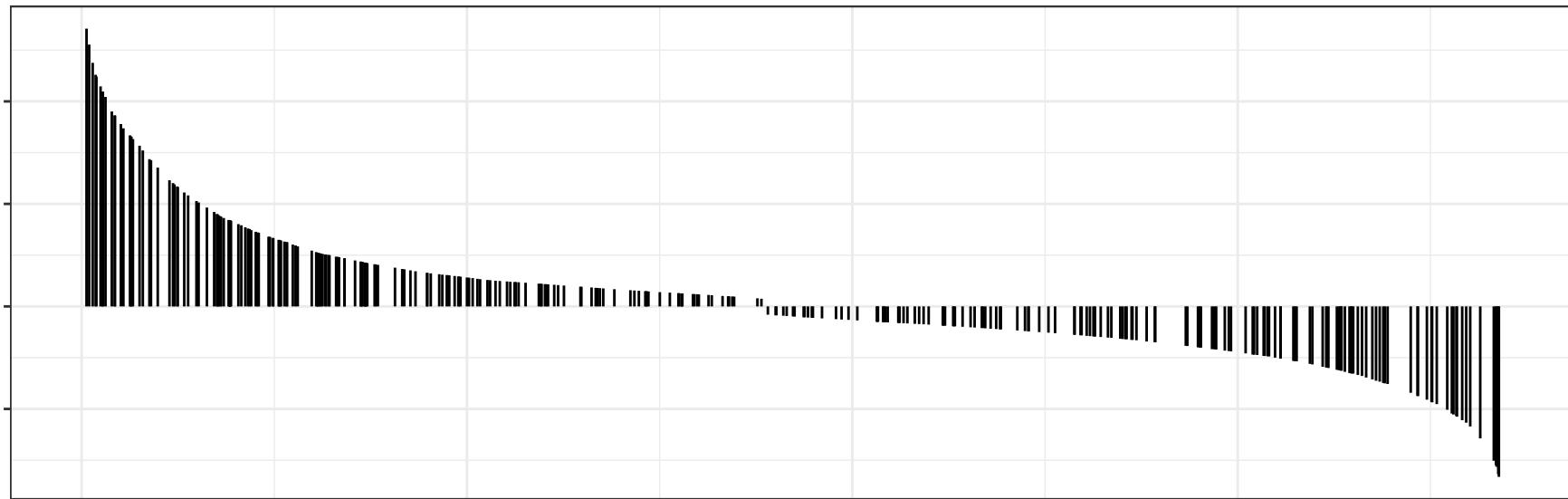


negative regulation of cysteine-type endopeptidase activity



negative regulation of catalytic activity

Ranked List Metric

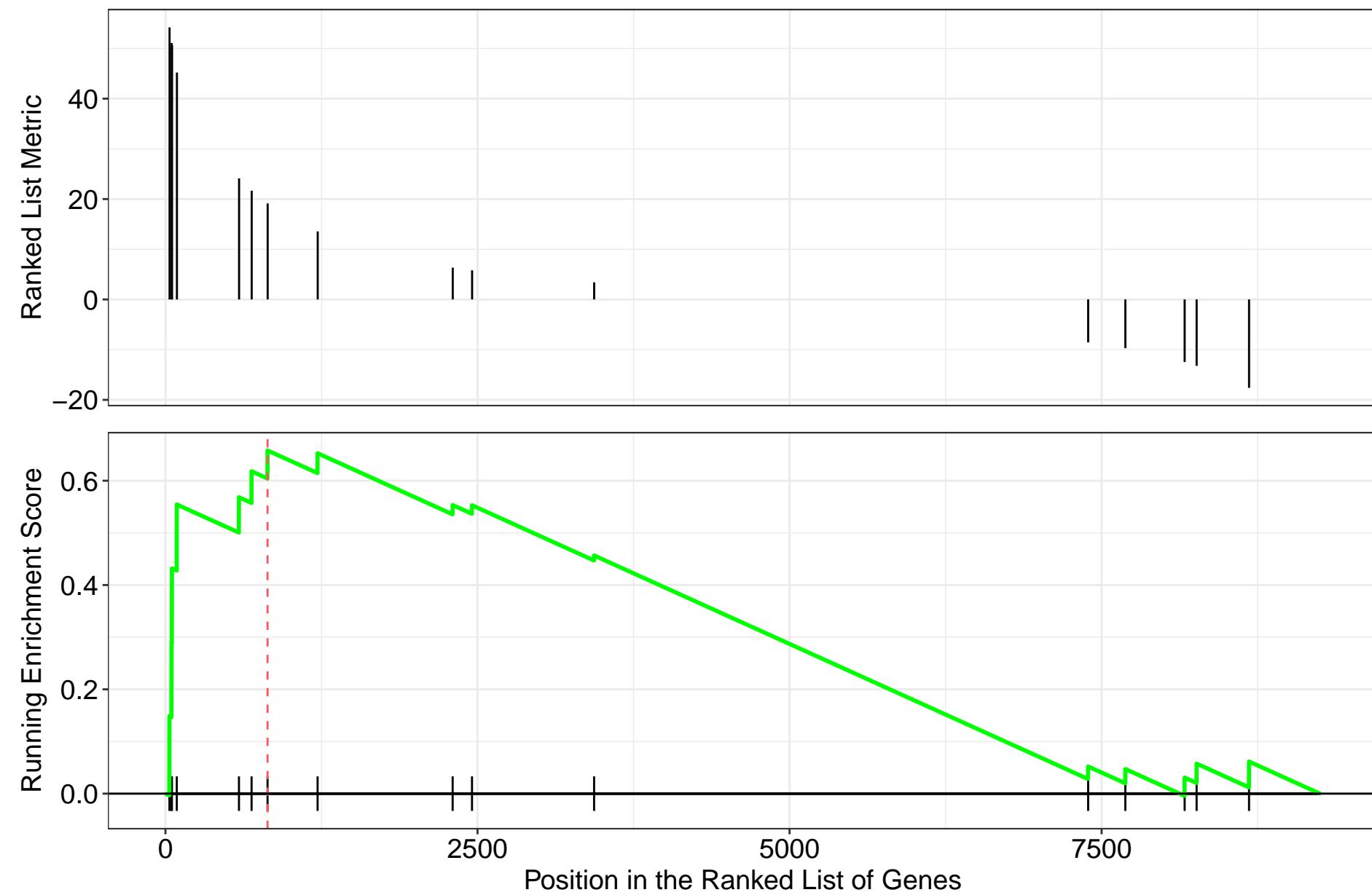


Running Enrichment Score

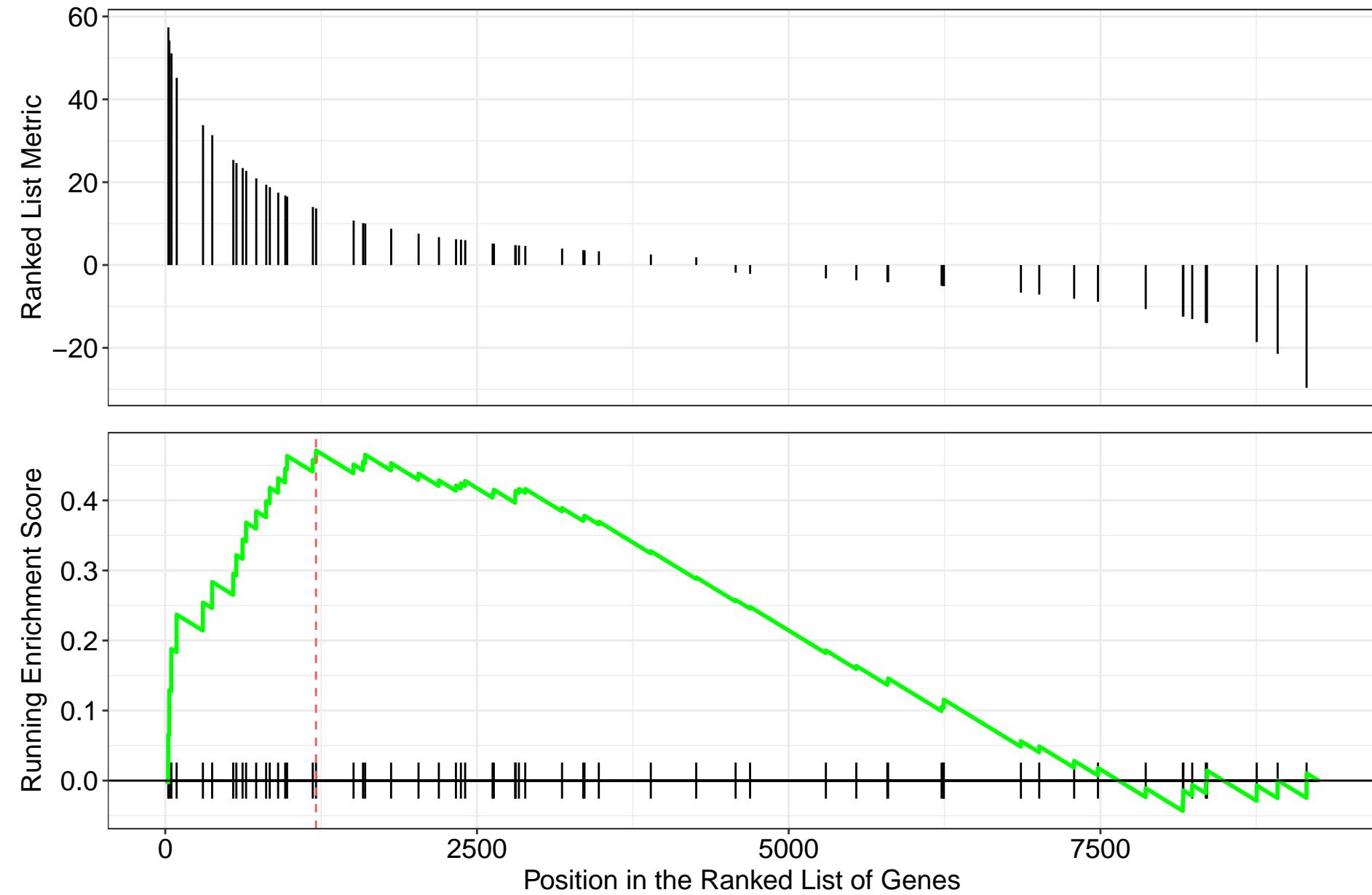
Position in the Ranked List of Genes



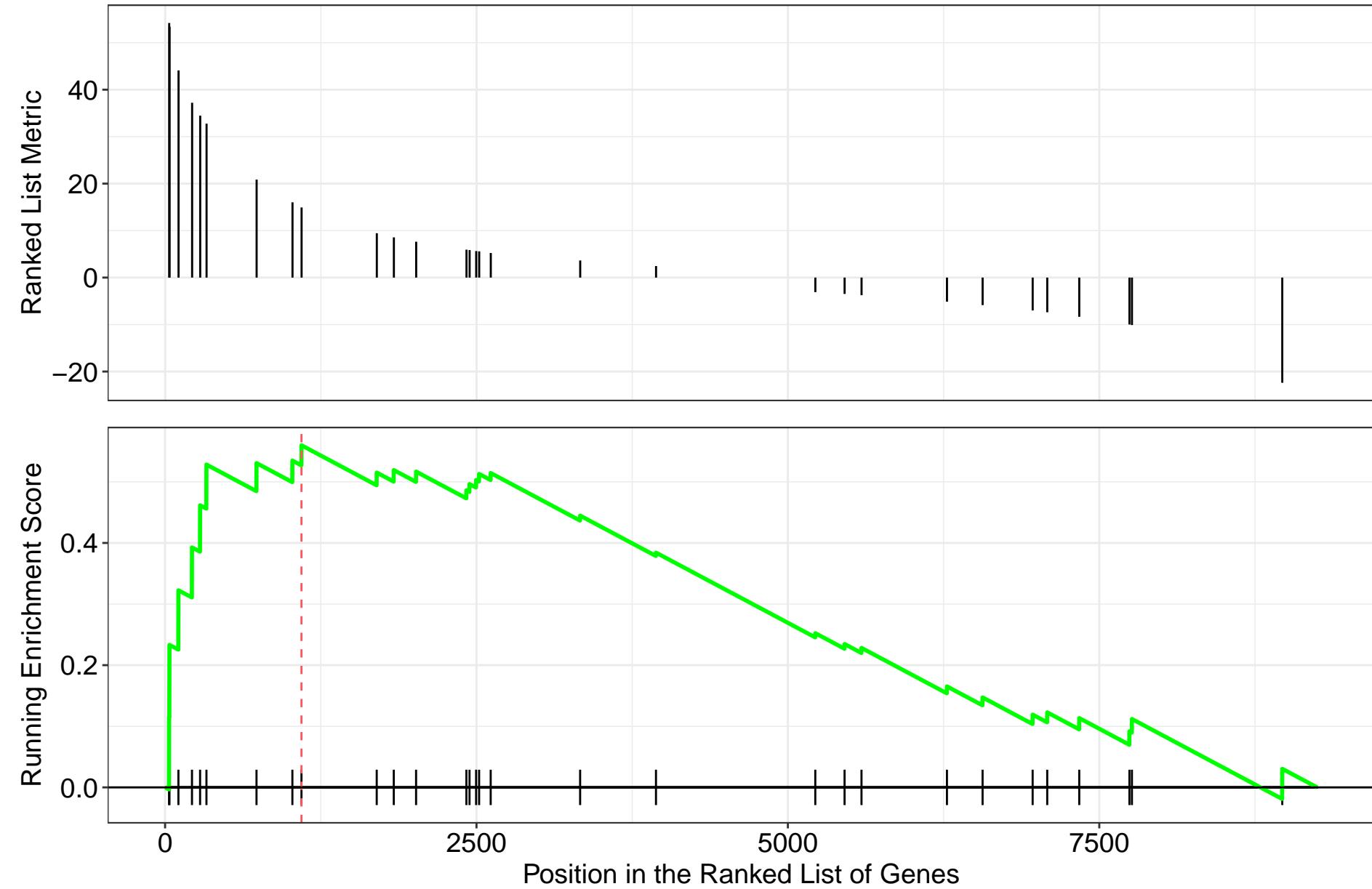
positive regulation of vascular endothelial growth factor production



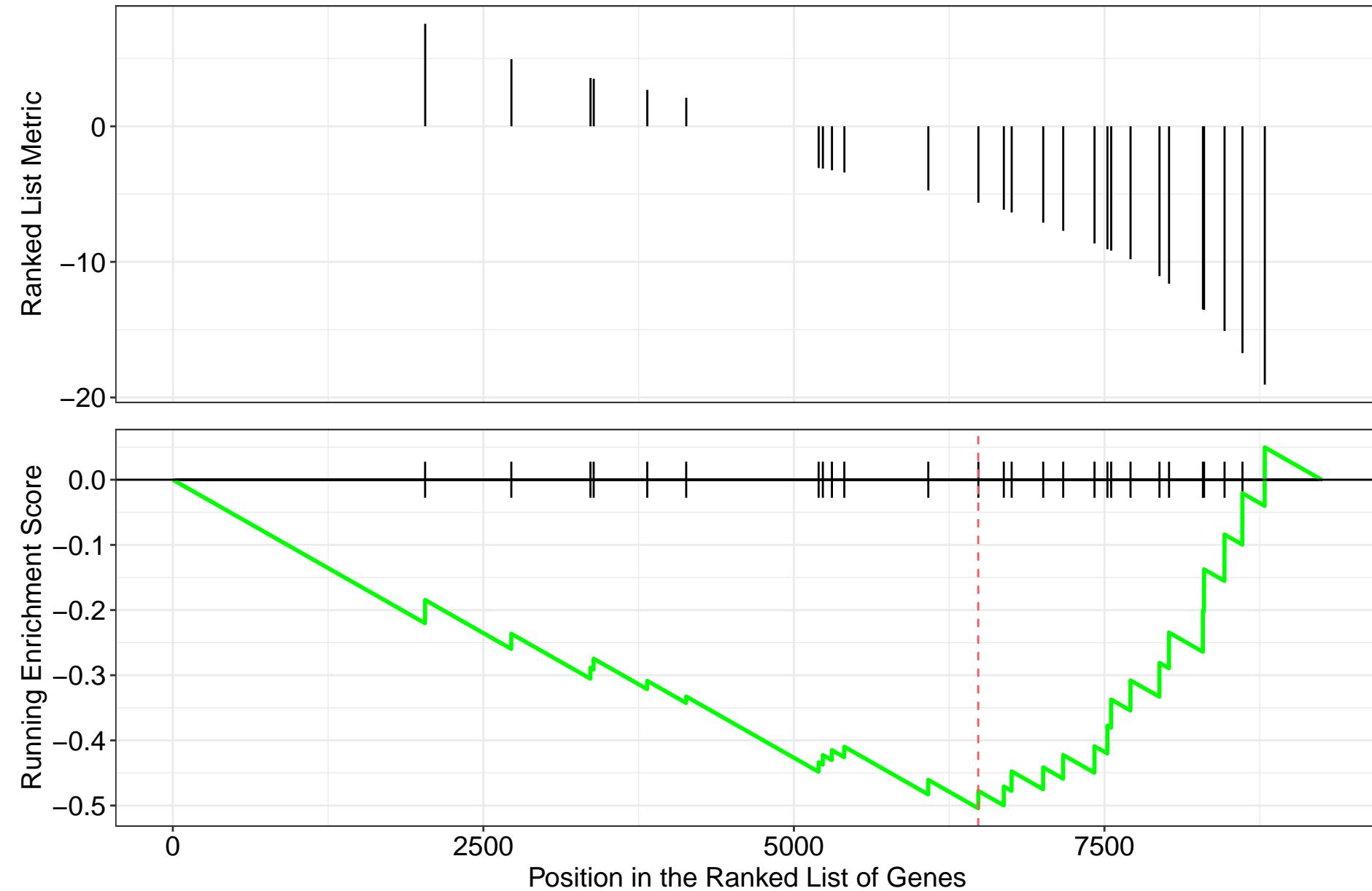
reactive nitrogen species metabolic process



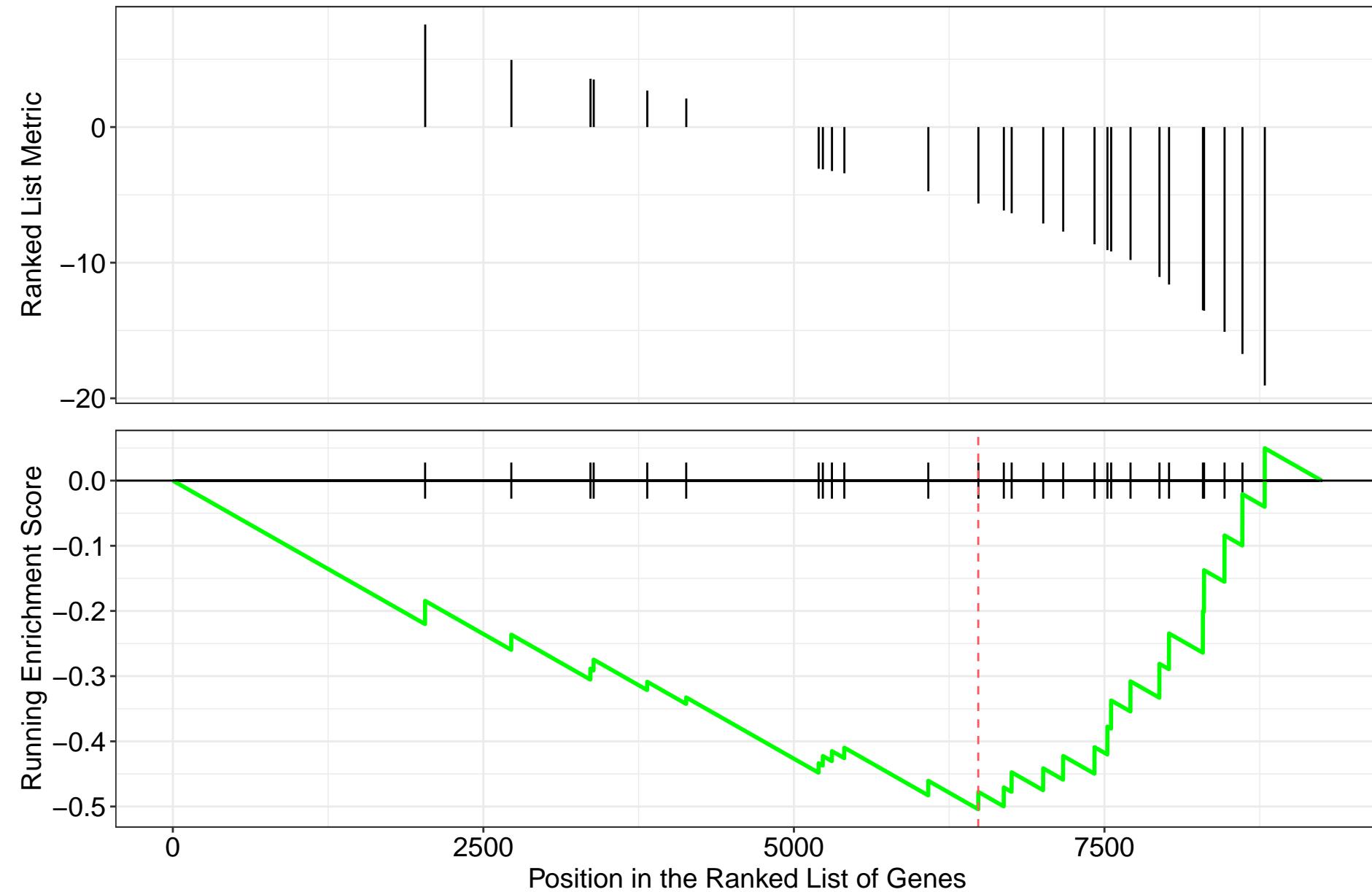
acidic amino acid transport



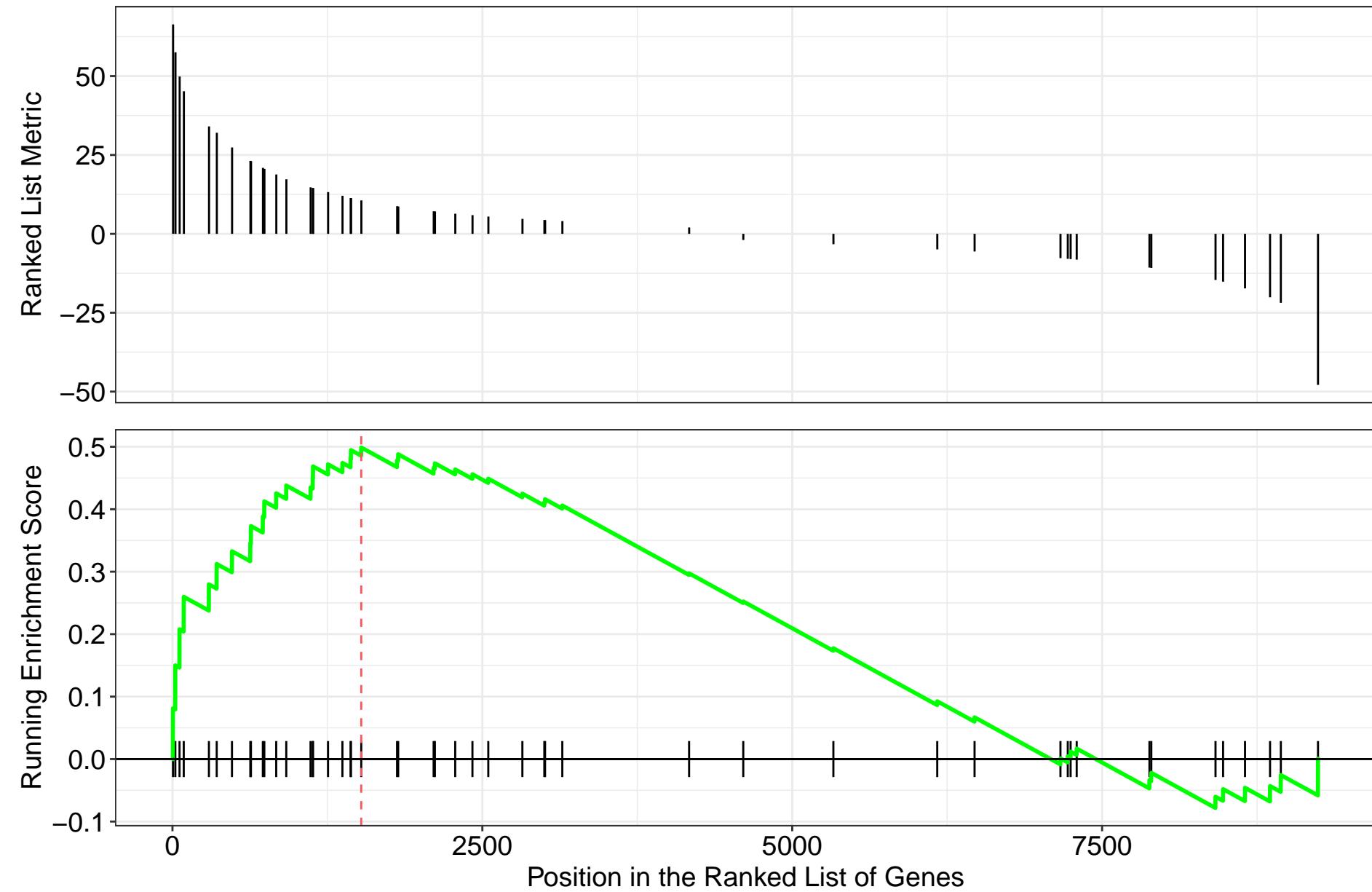
cholesterol biosynthetic process



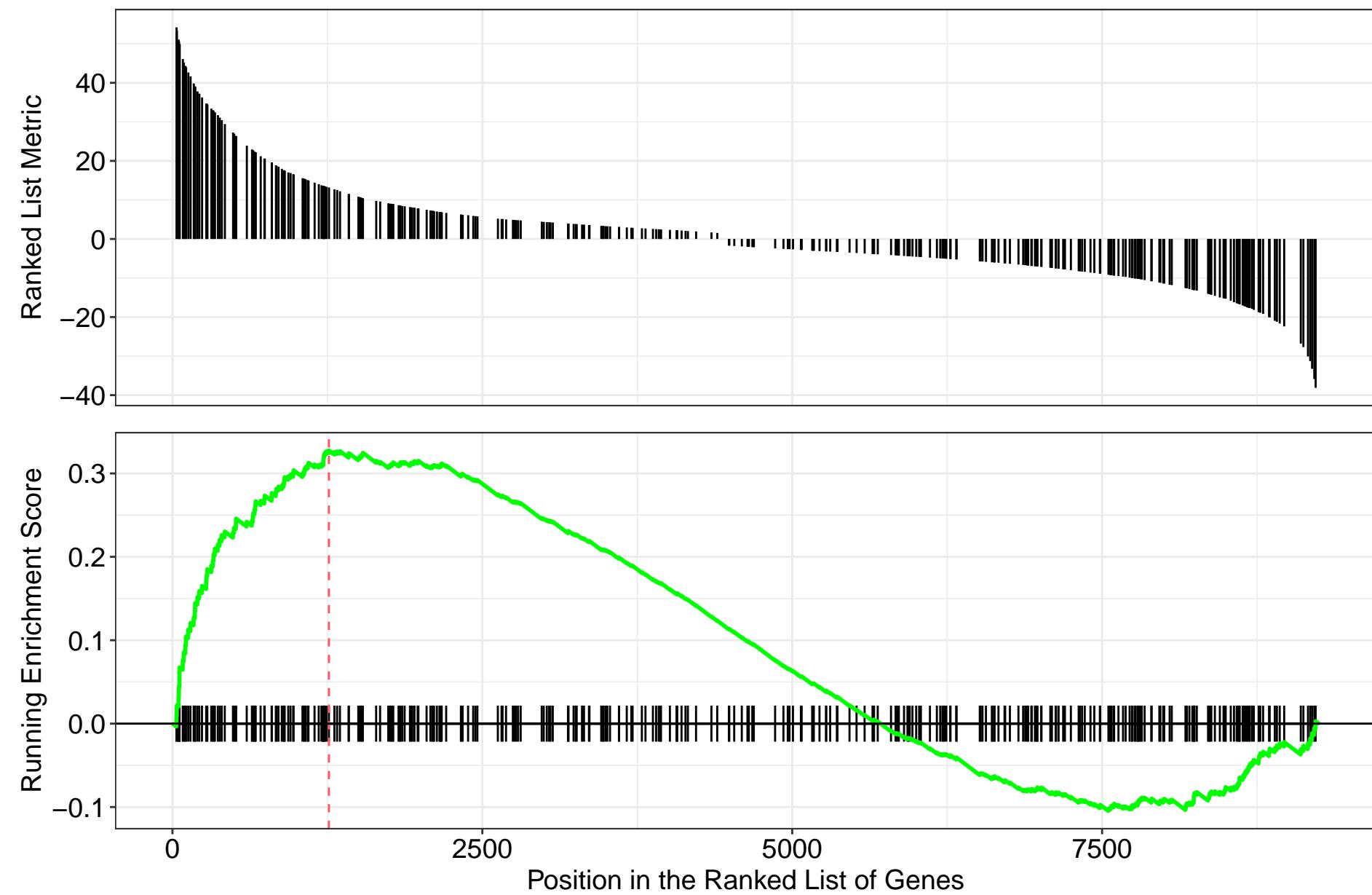
secondary alcohol biosynthetic process



positive regulation of alpha–beta T cell activation

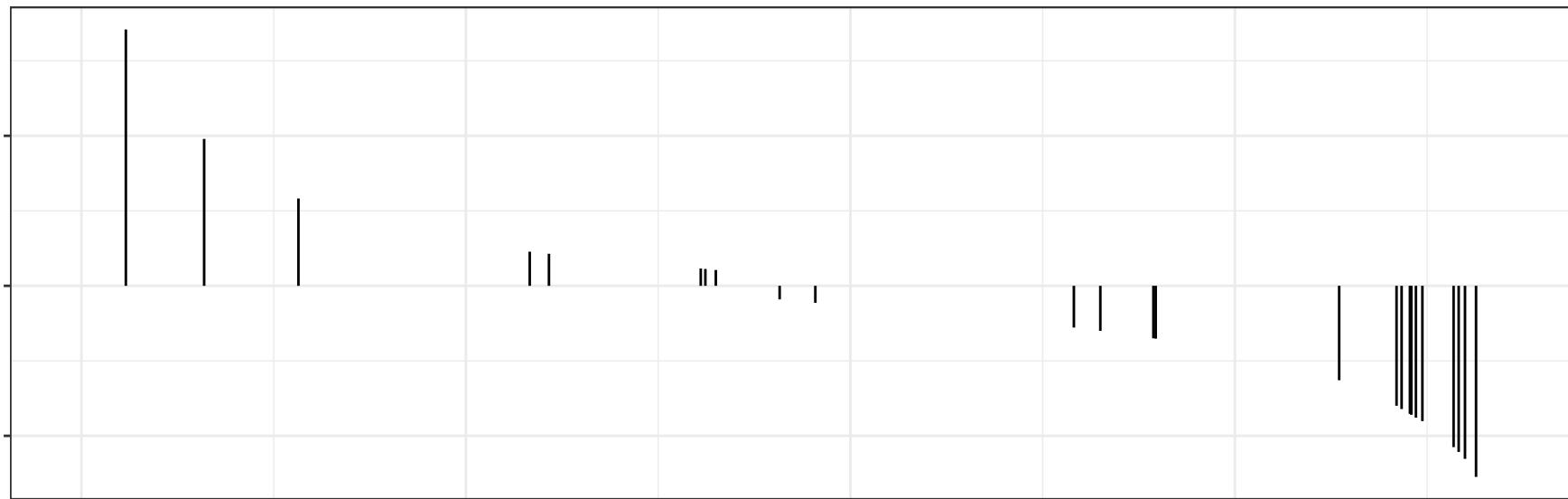


nervous system process



positive regulation of cytokinesis

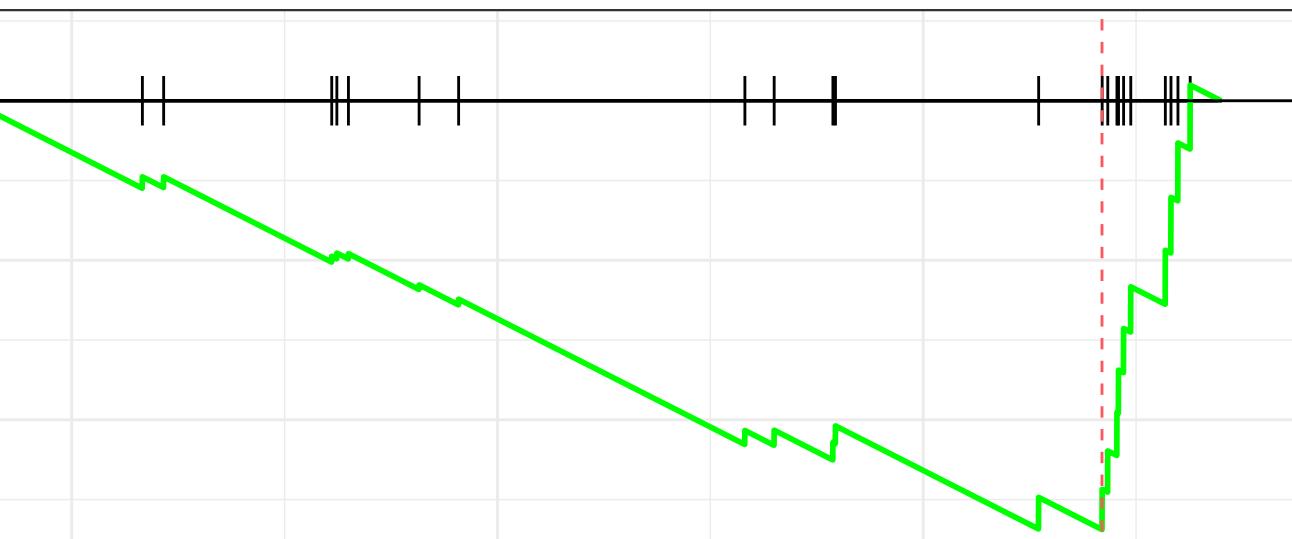
Ranked List Metric



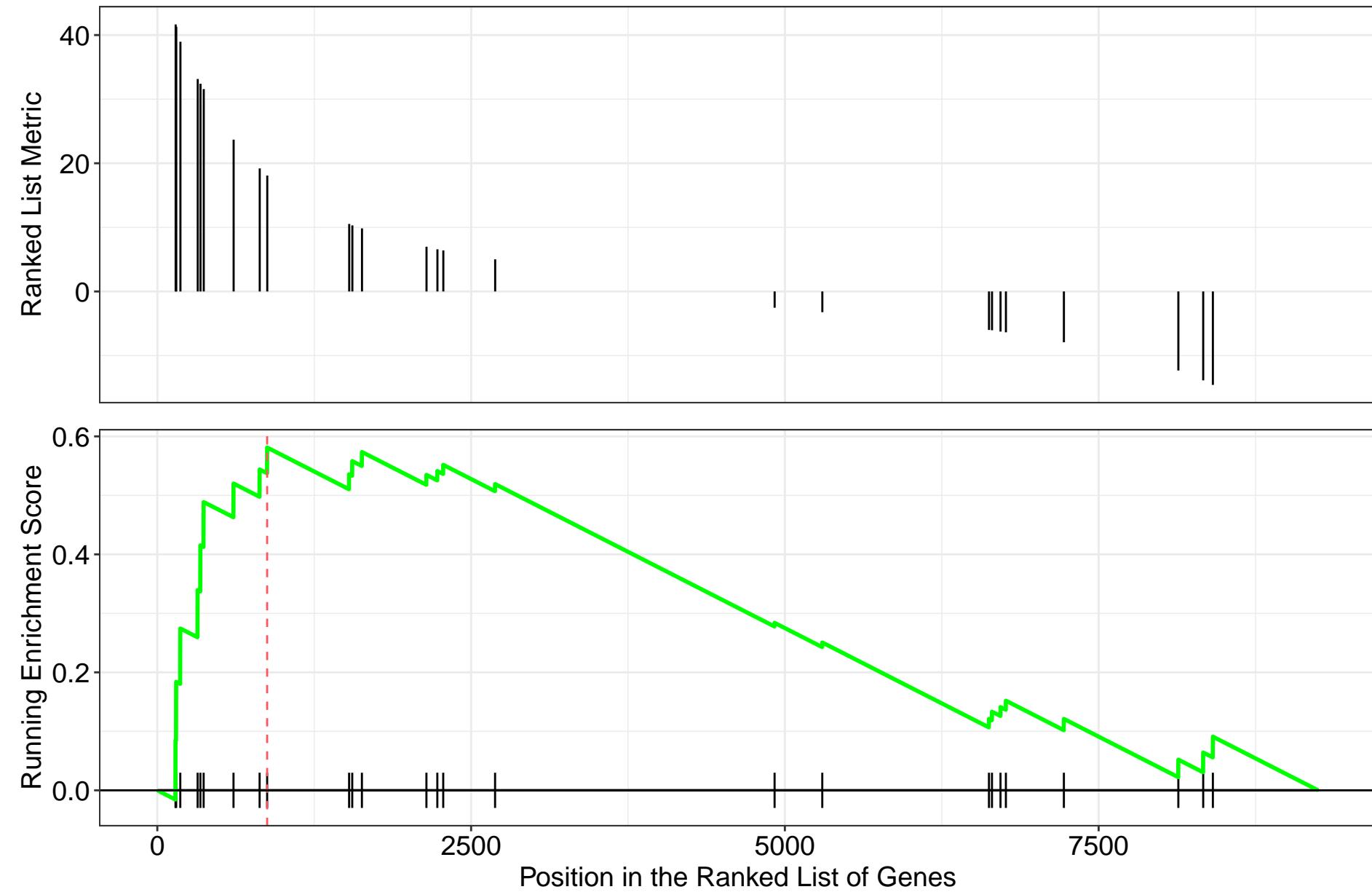
Running Enrichment Score

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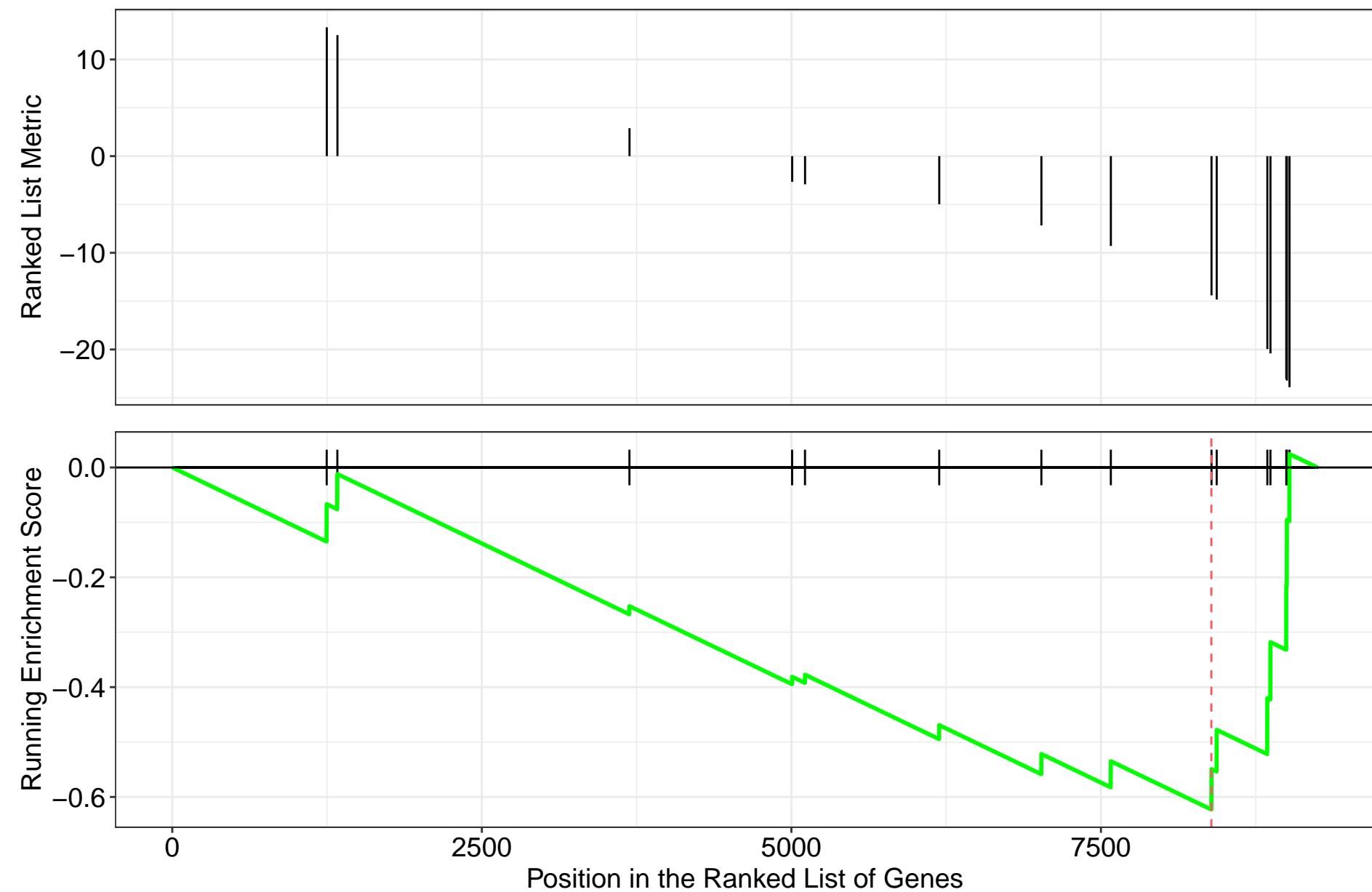
Position in the Ranked List of Genes



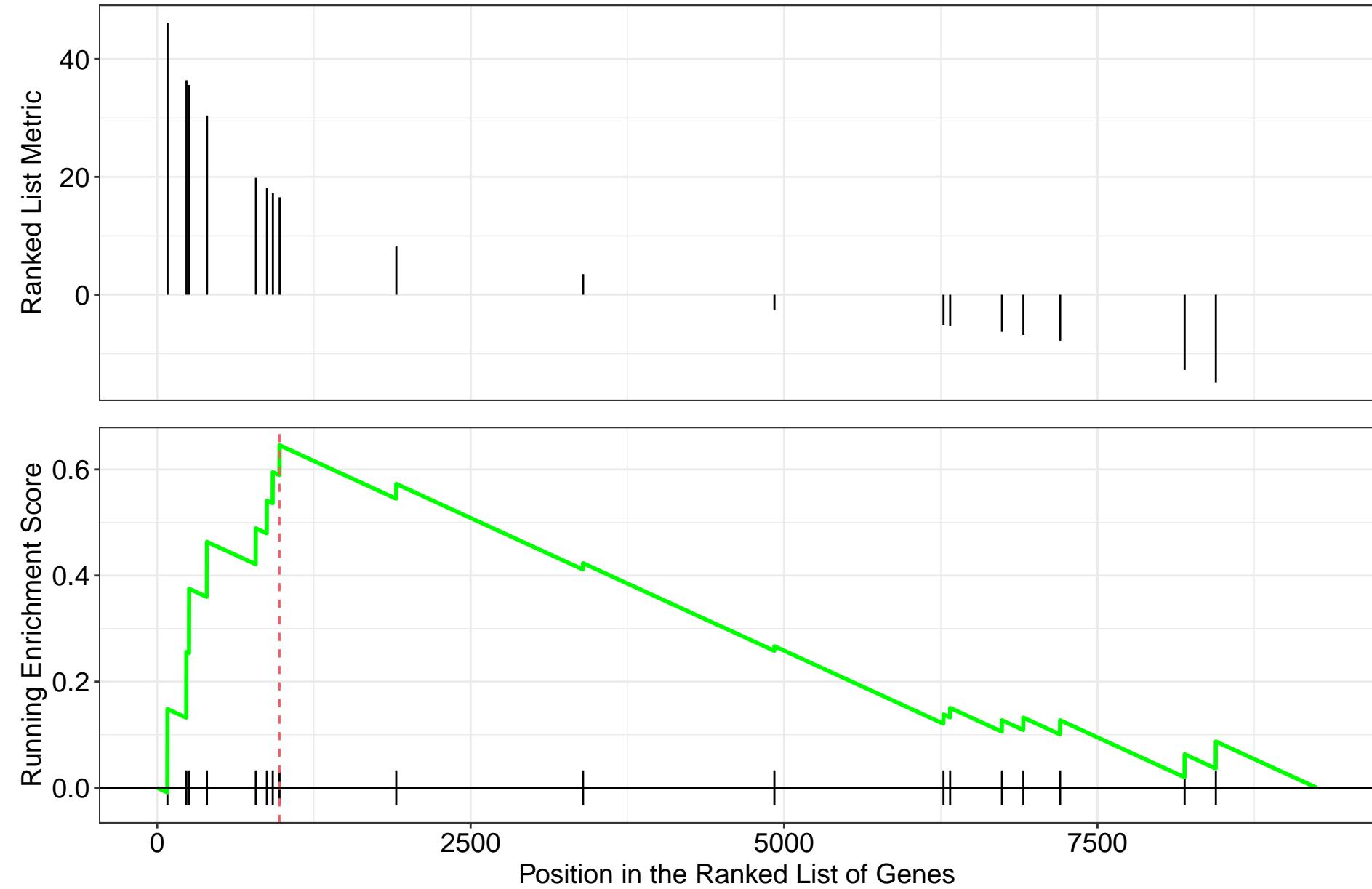
negative regulation of leukocyte migration



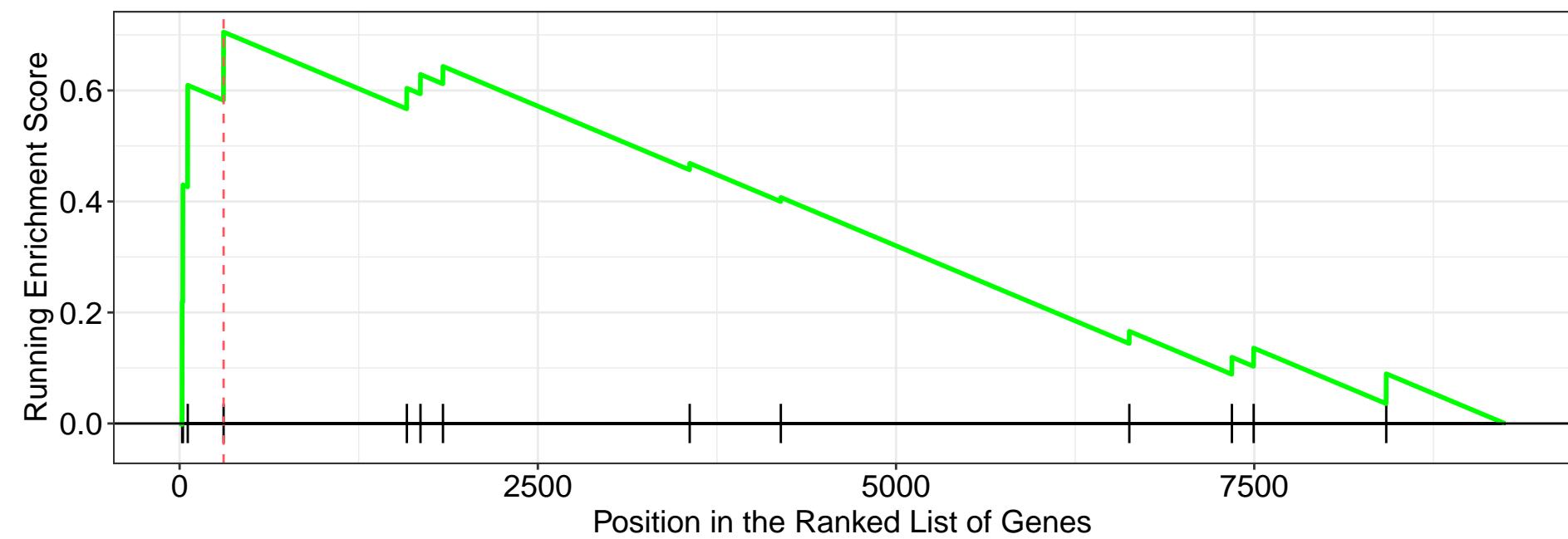
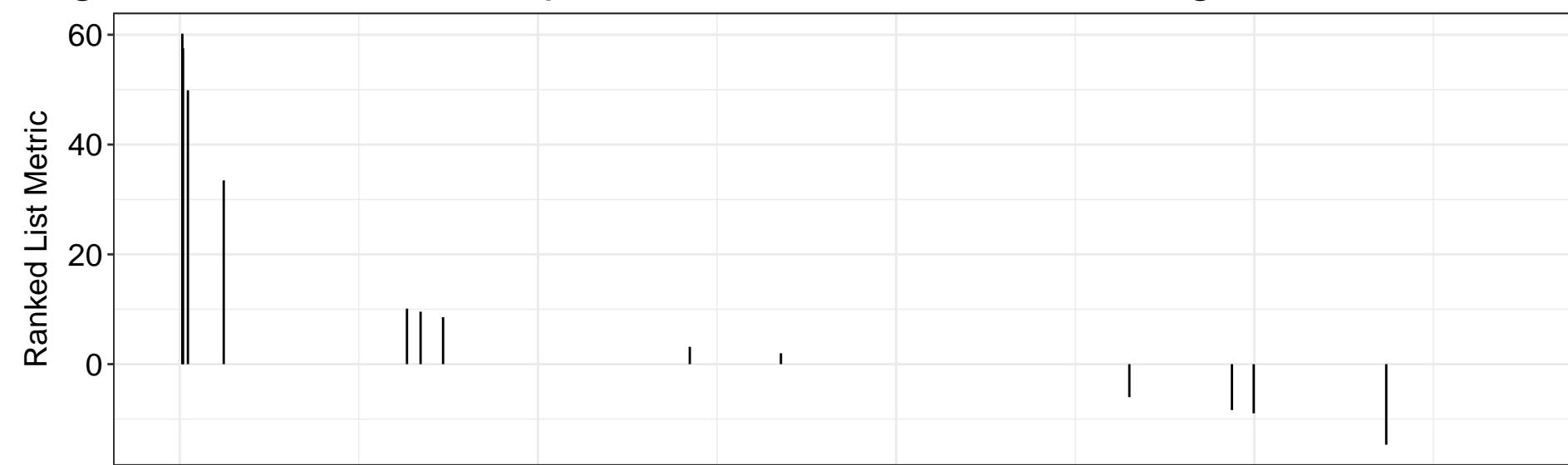
aminoglycan catabolic process



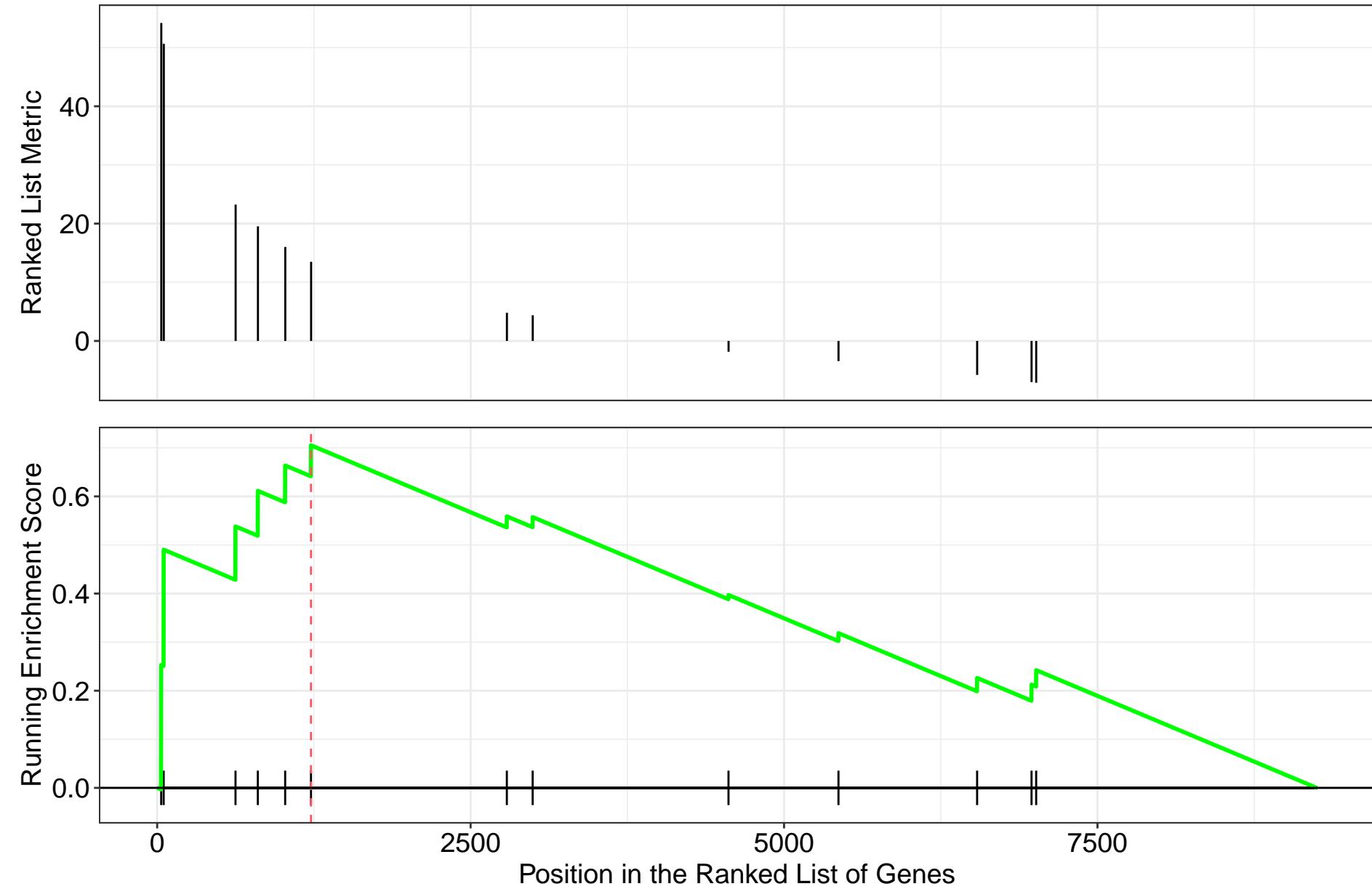
negative regulation of cell–matrix adhesion



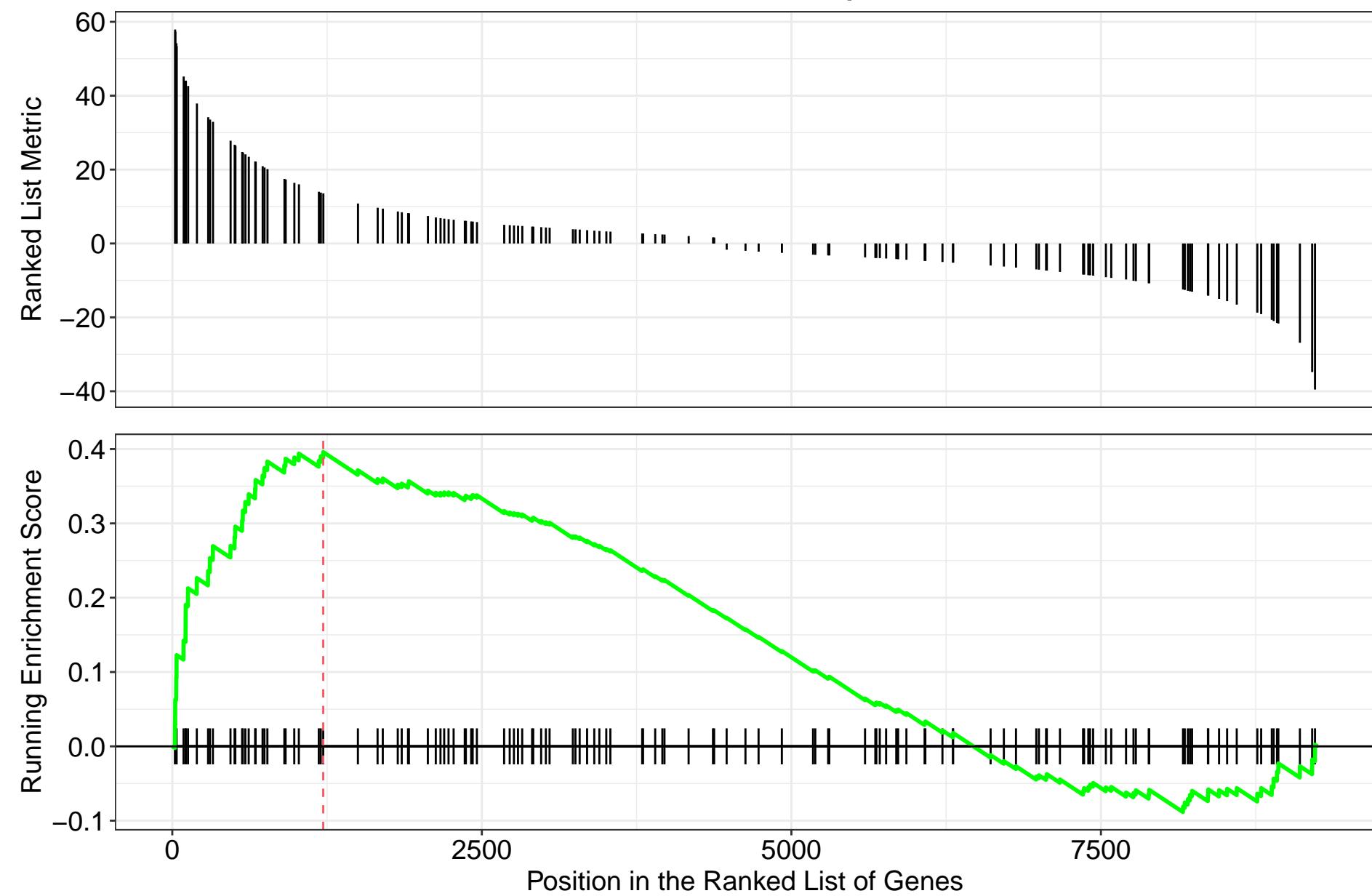
regulation of cellular response to vascular endothelial growth factor stimulus



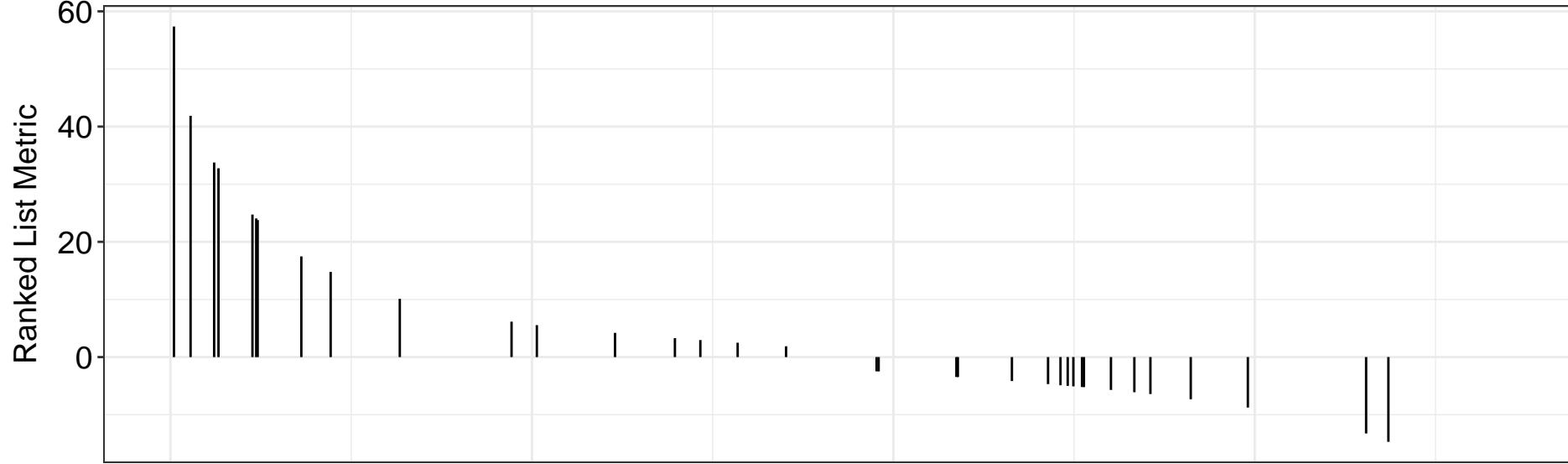
programmed cell death involved in cell development



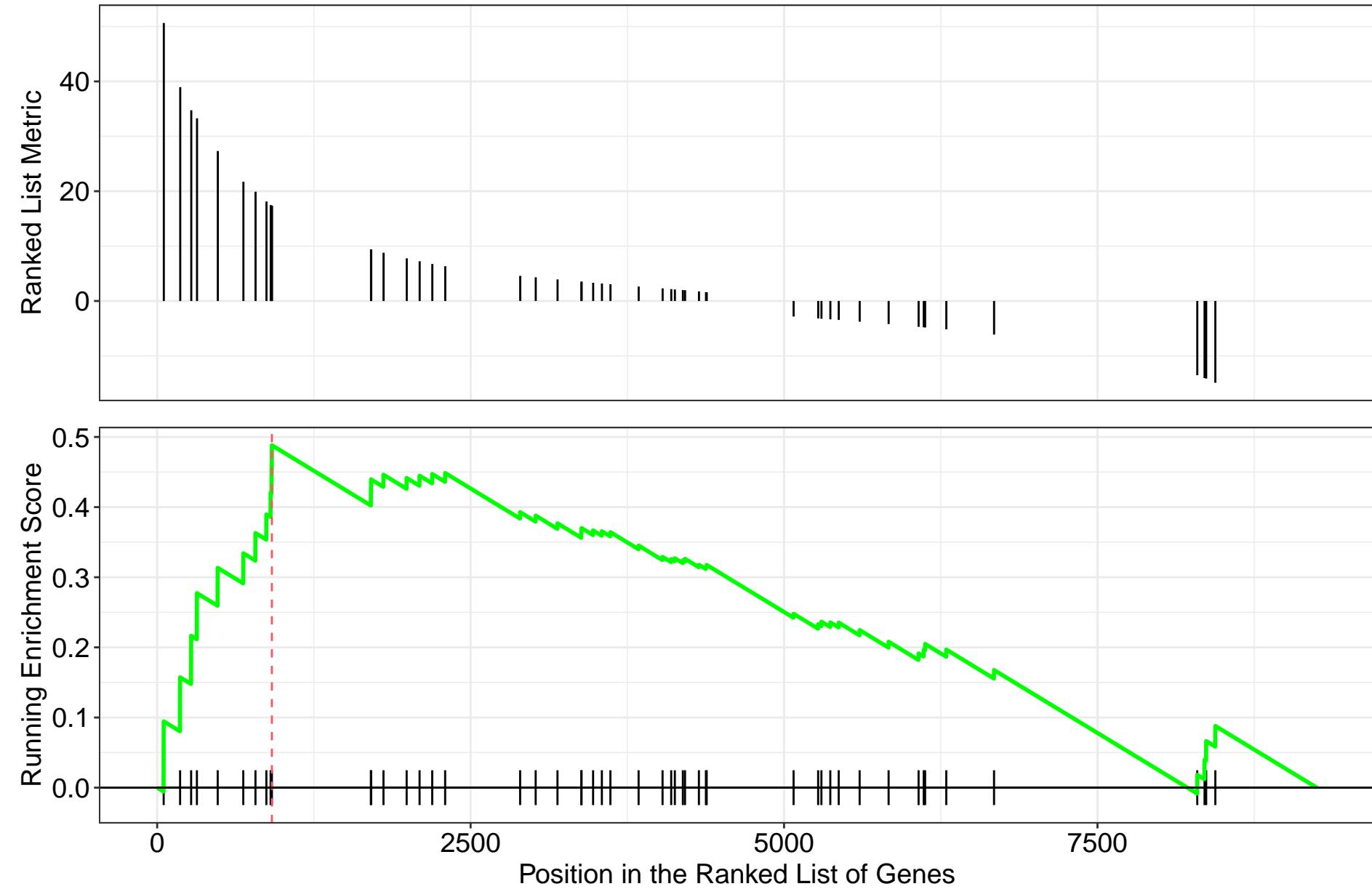
hormone transport



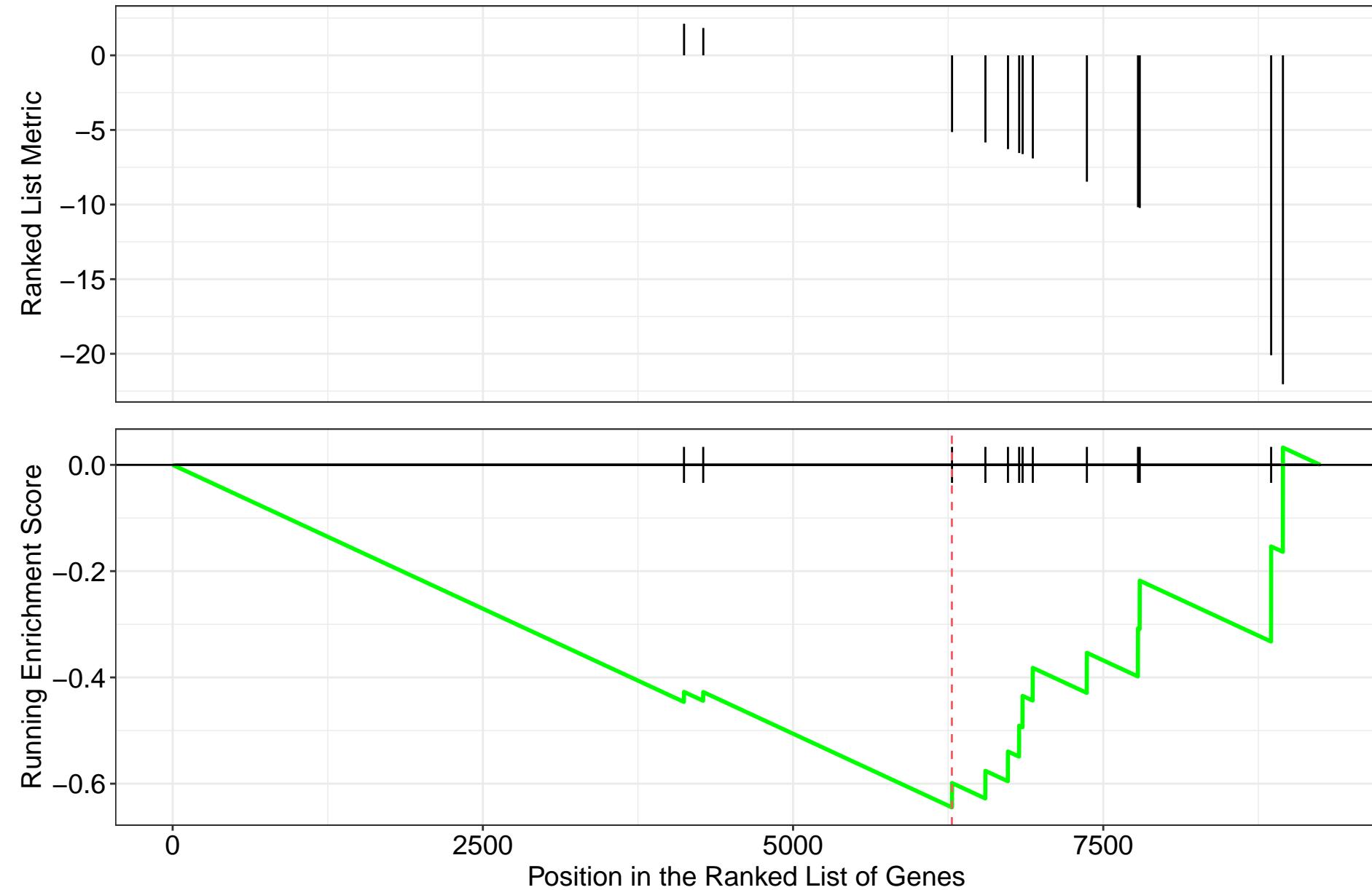
glutamine family amino acid metabolic process



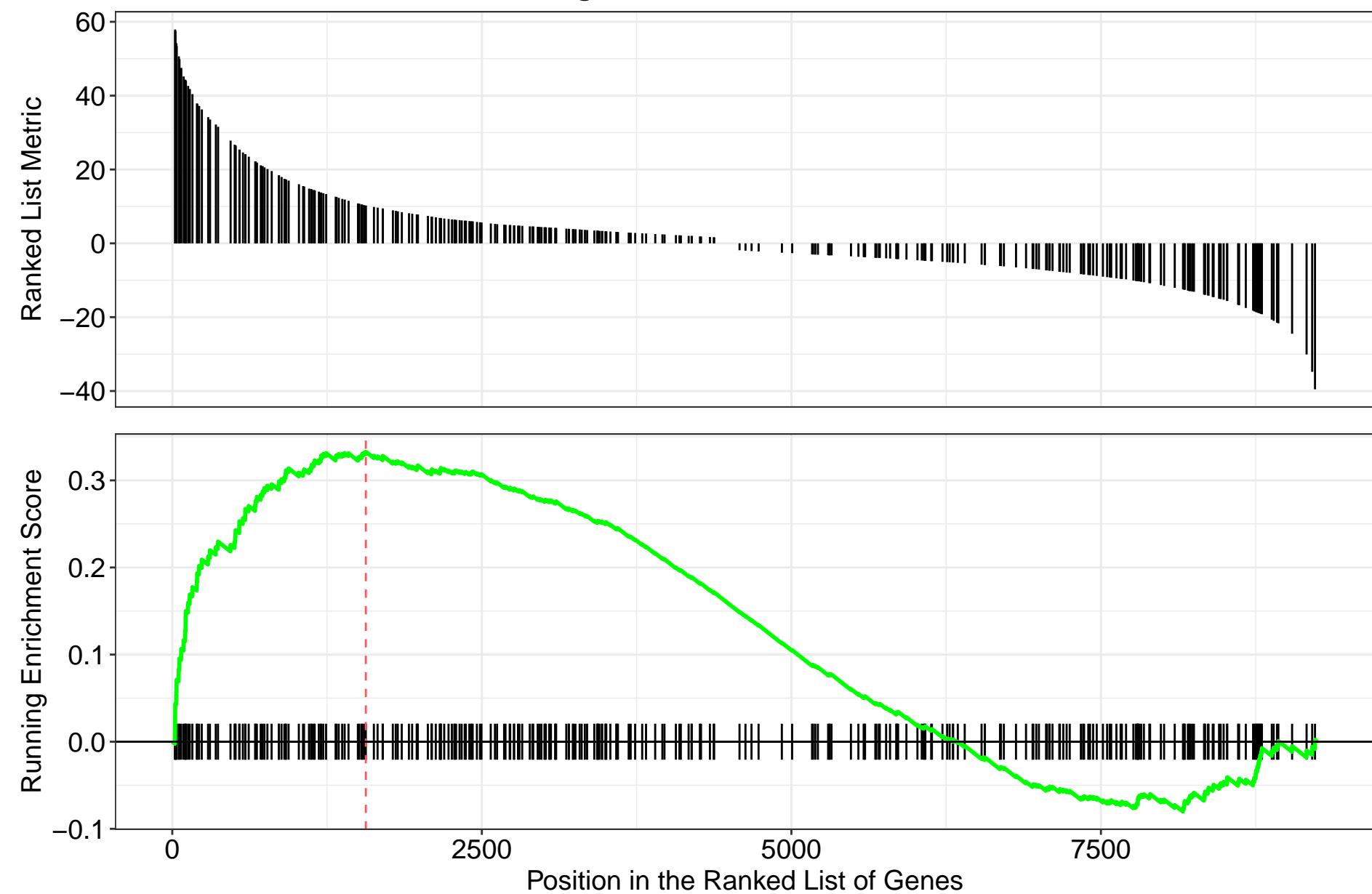
response to heat



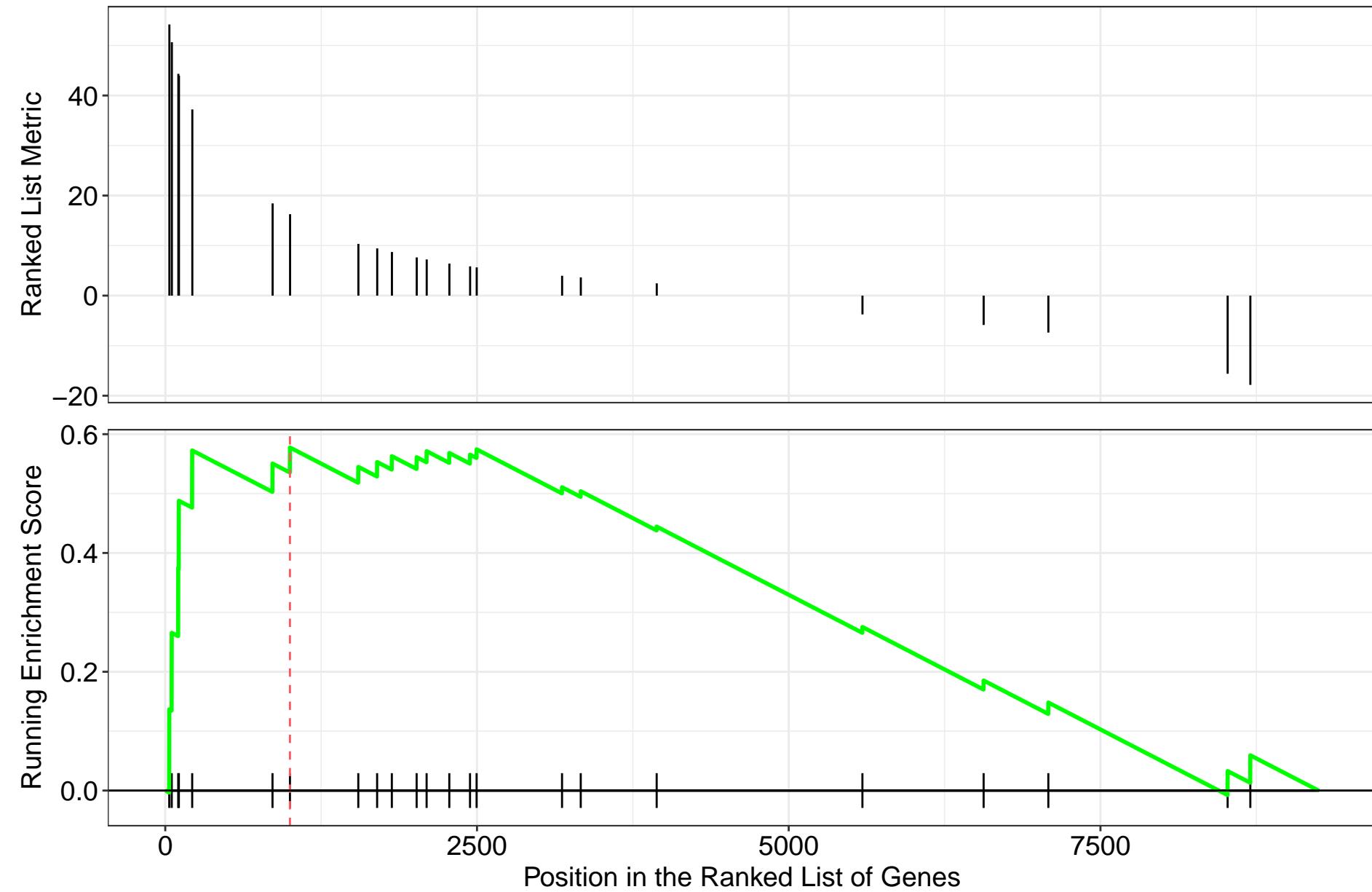
centriole–centriole cohesion



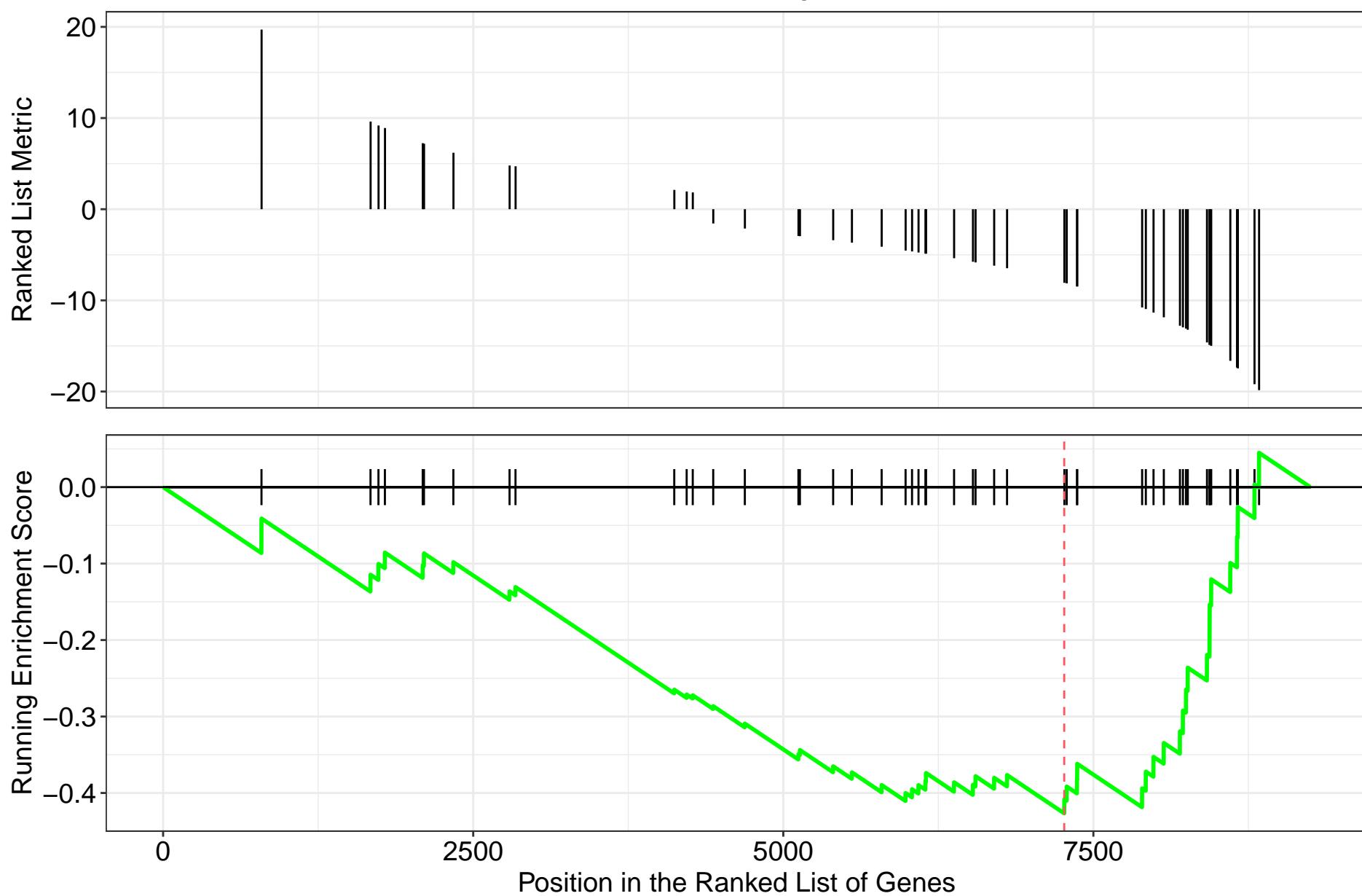
regulation of secretion



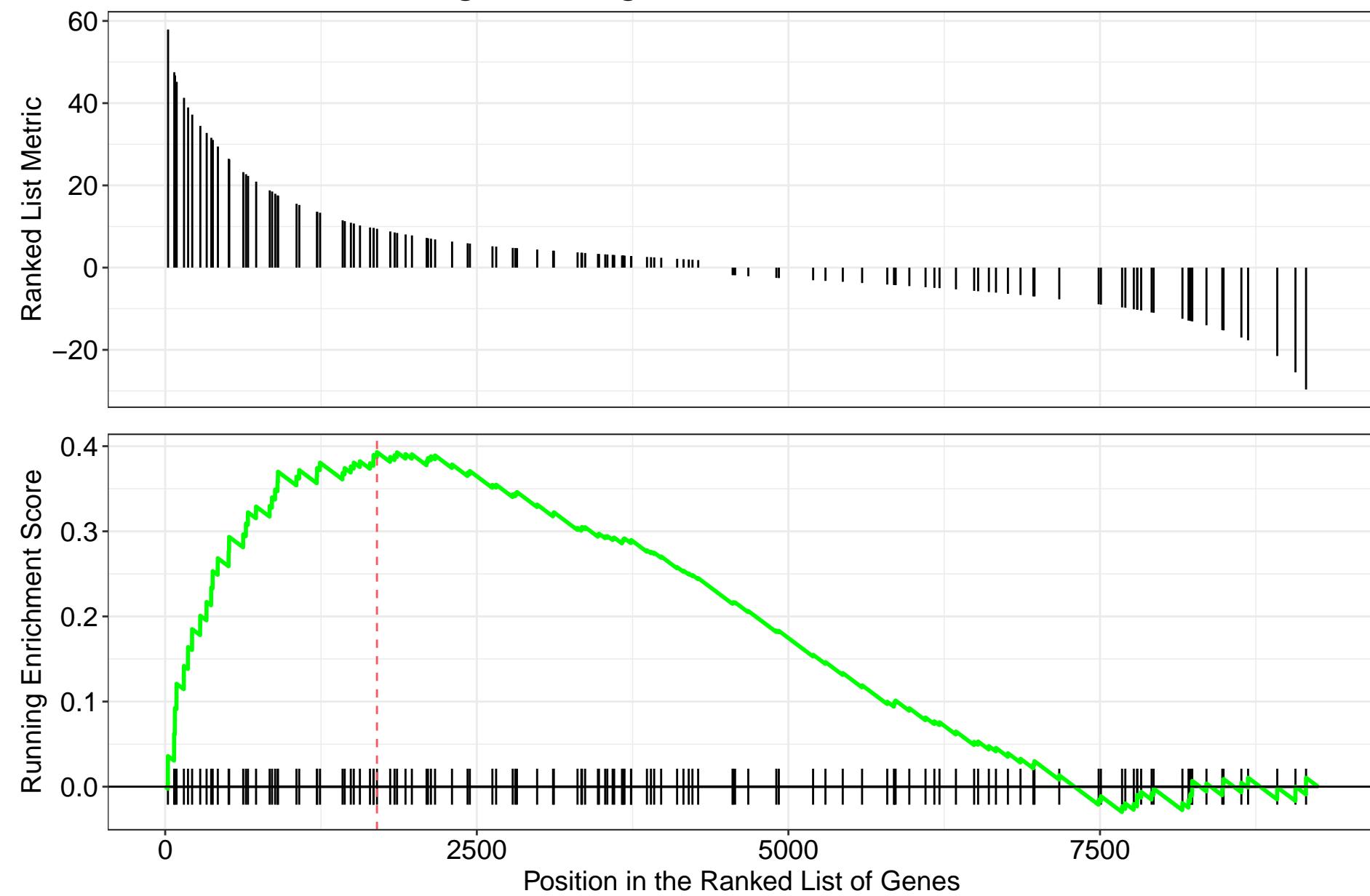
positive regulation of organic acid transport



centrosome duplication

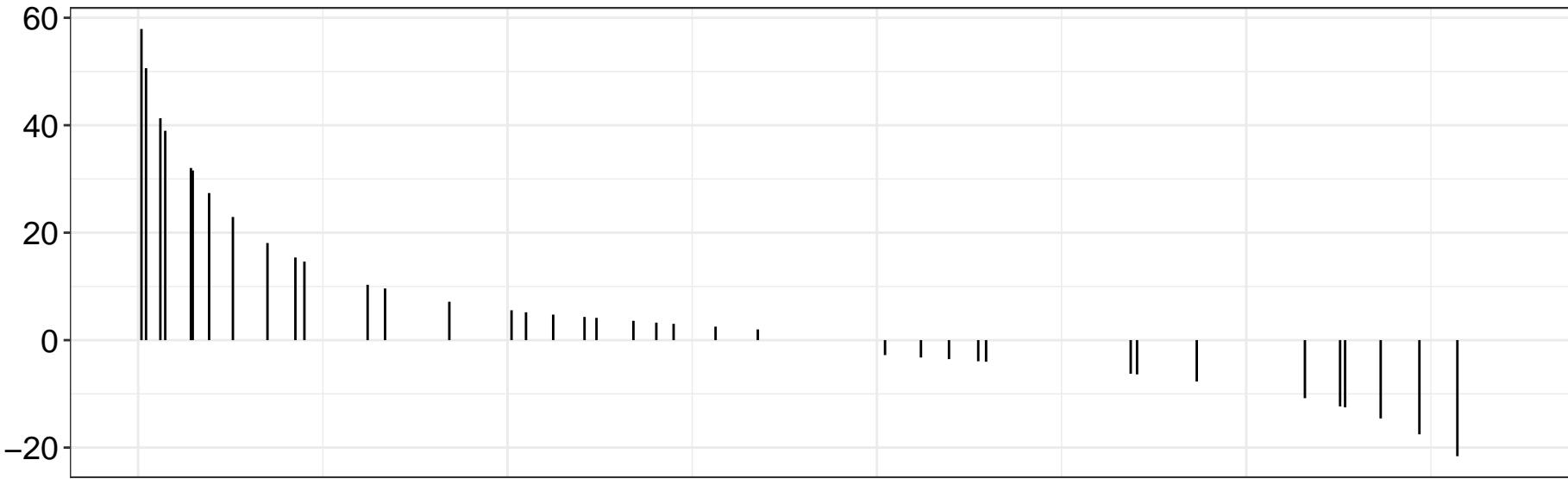


negative regulation of neuron death



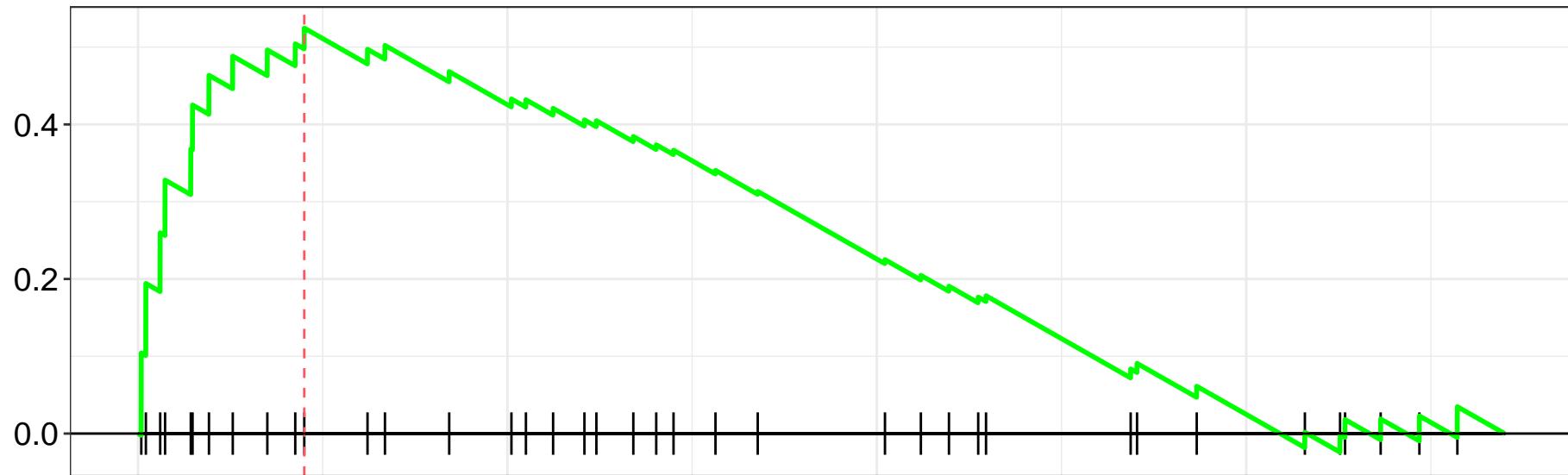
regulation of lymphocyte migration

Ranked List Metric

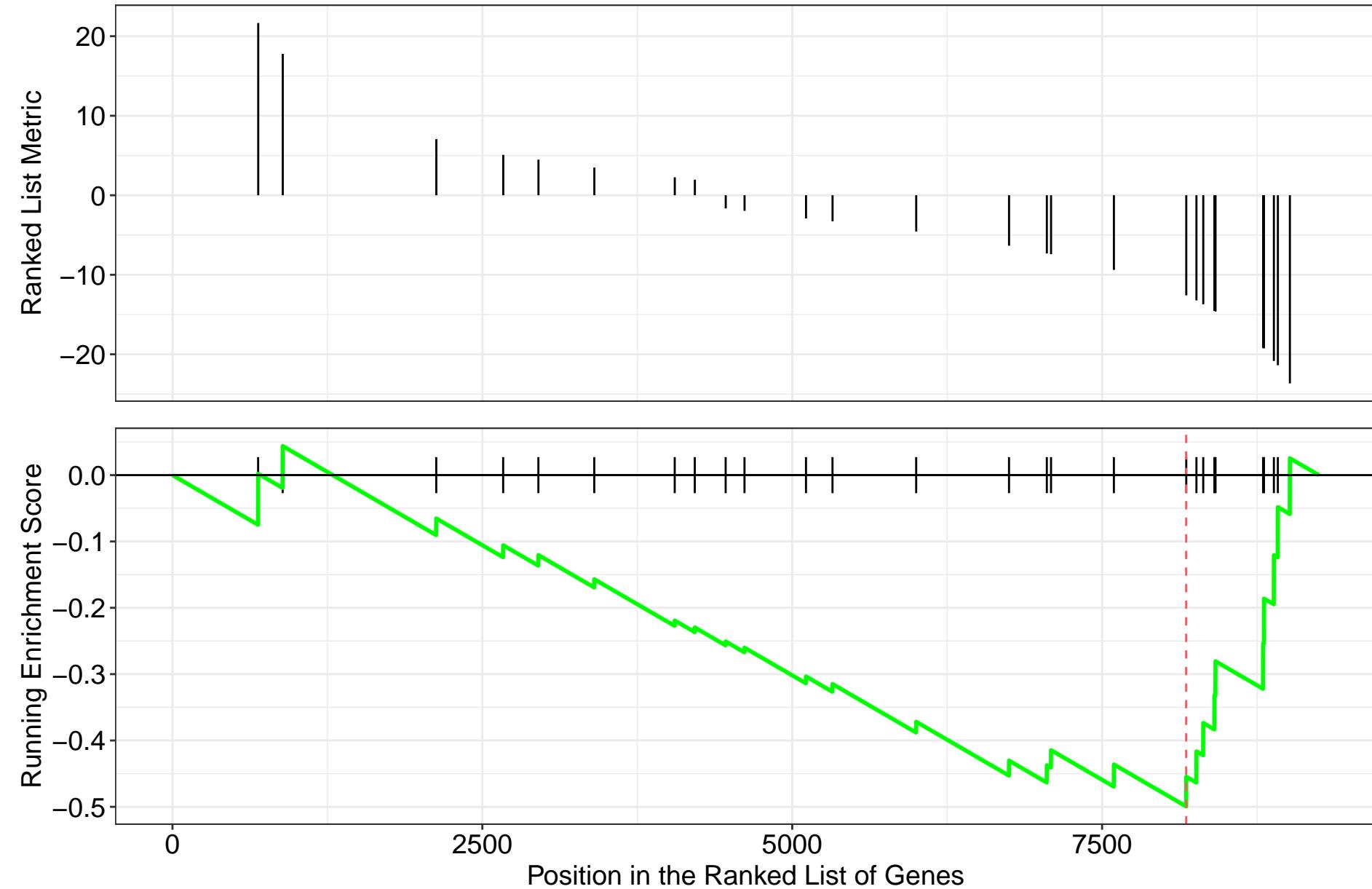


Running Enrichment Score

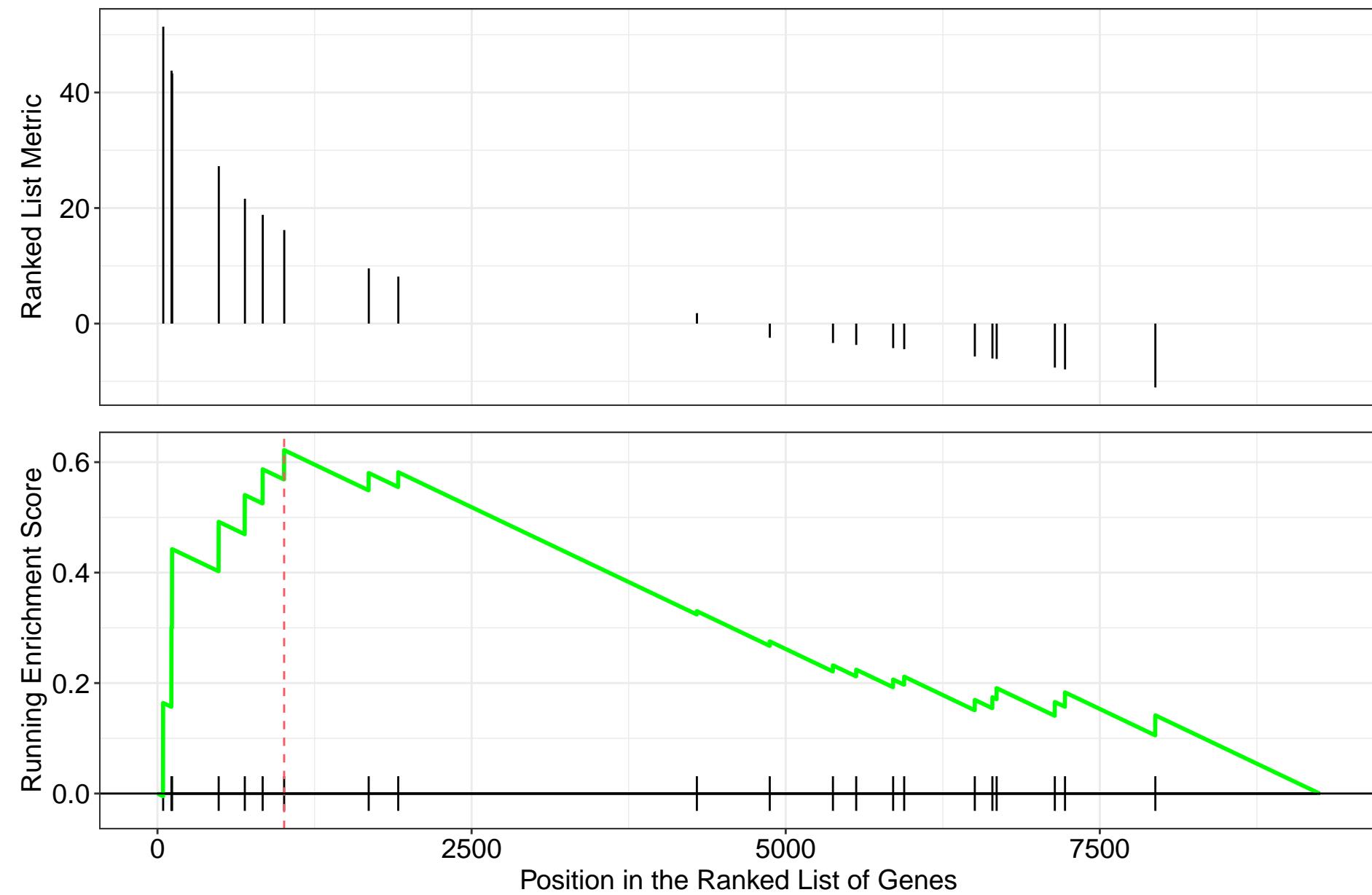
Position in the Ranked List of Genes



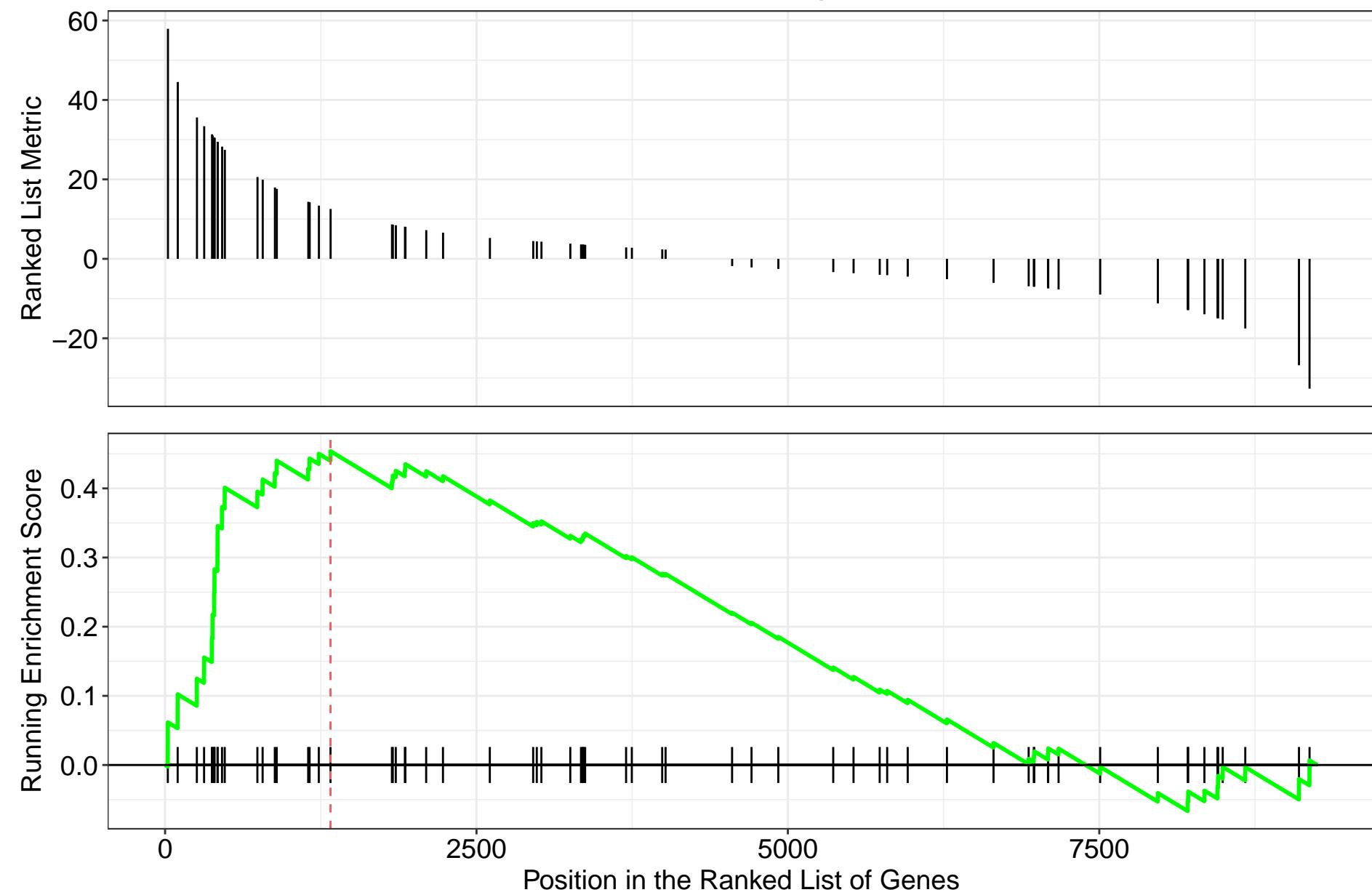
mitotic G2 DNA damage checkpoint signaling



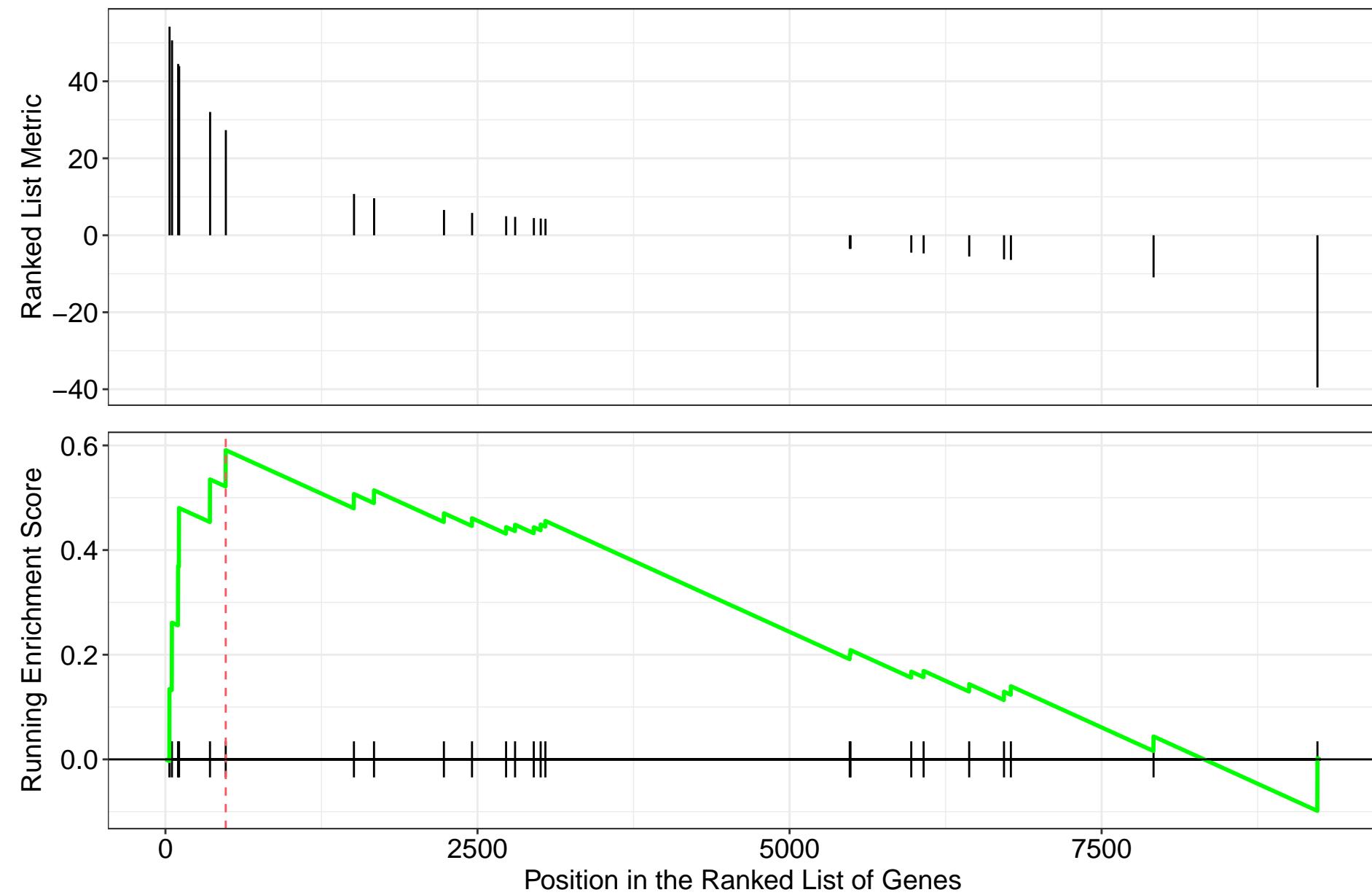
ribonucleoside metabolic process



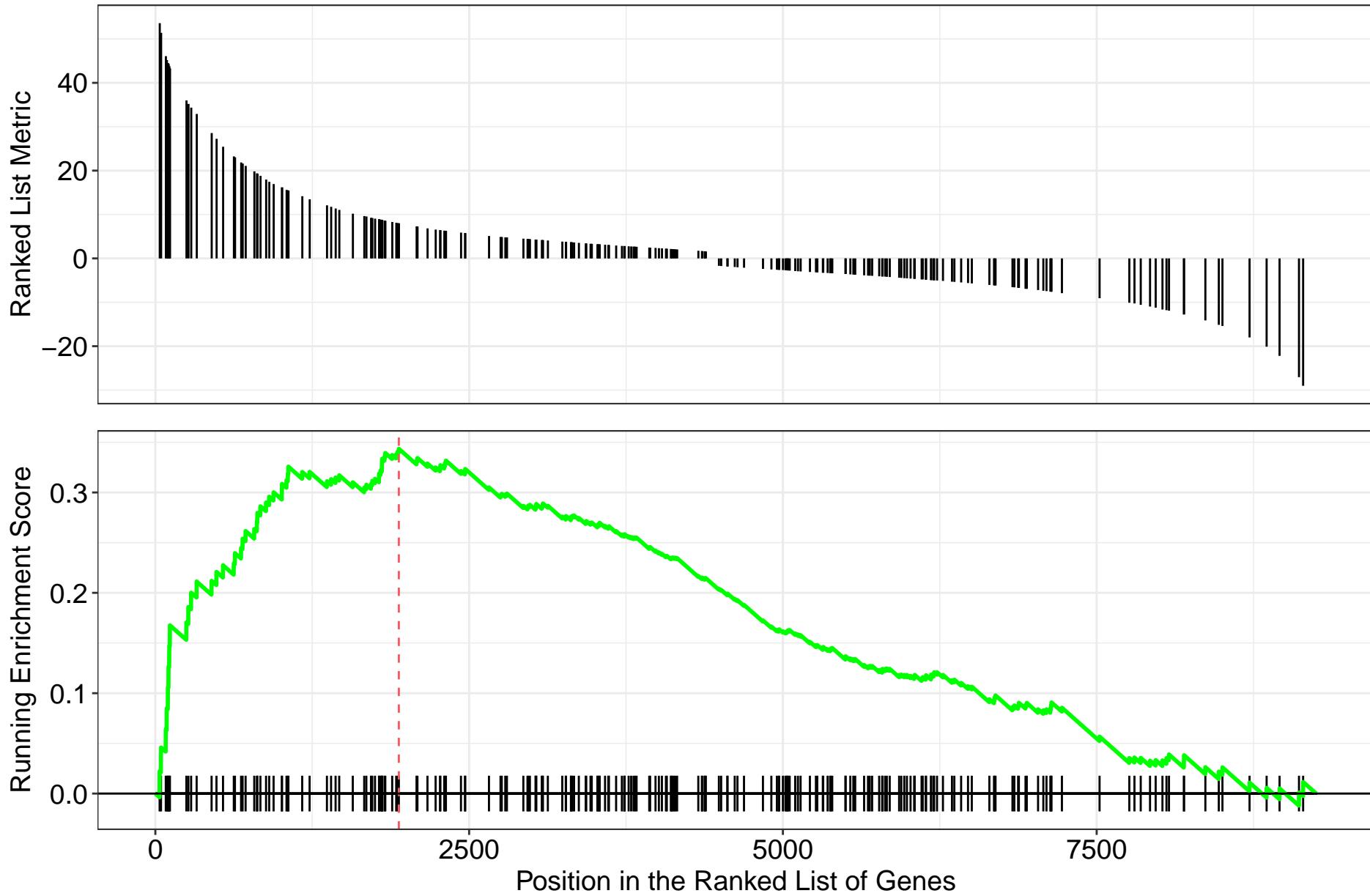
muscle cell migration



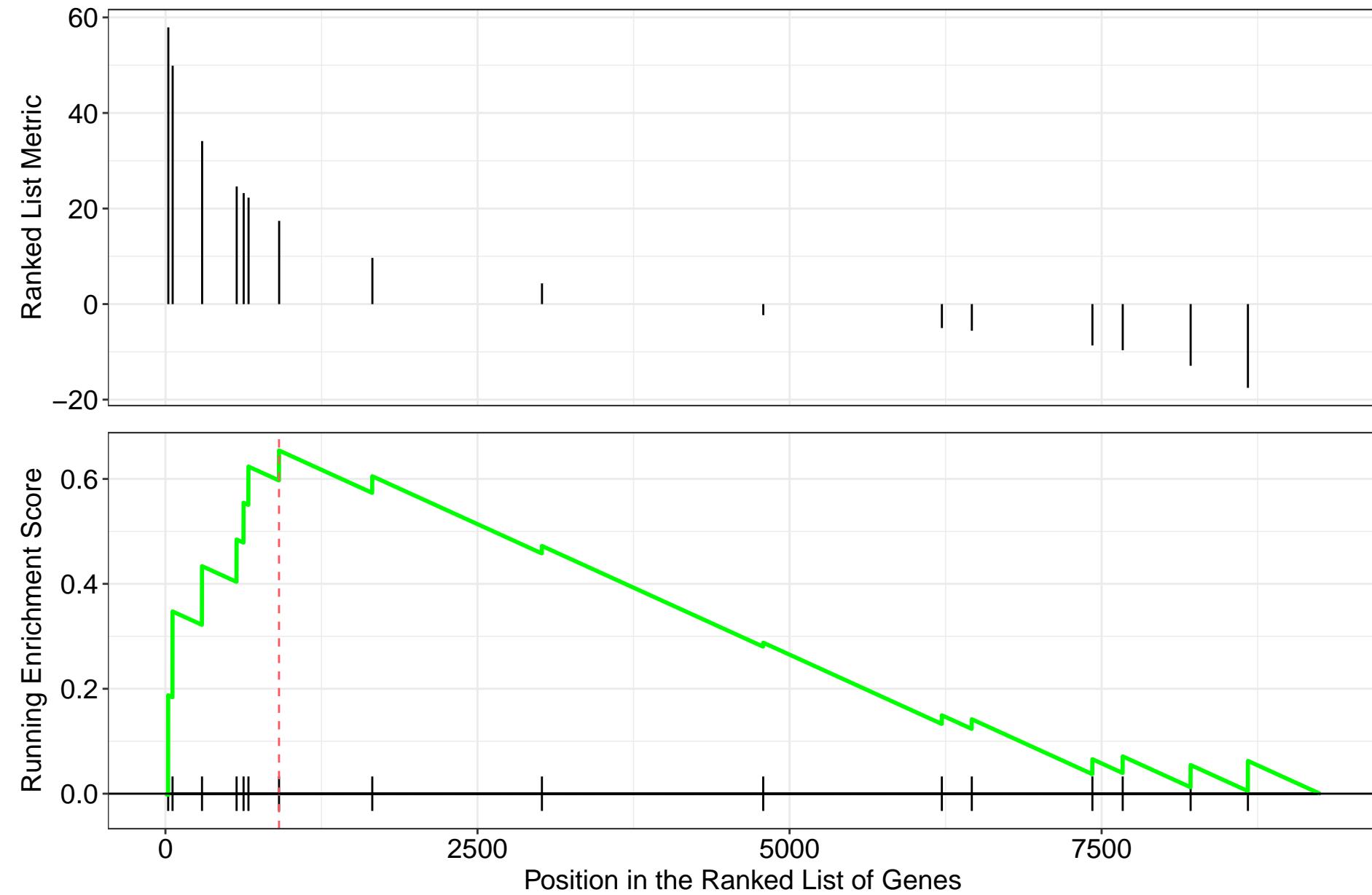
positive regulation of neutrophil migration



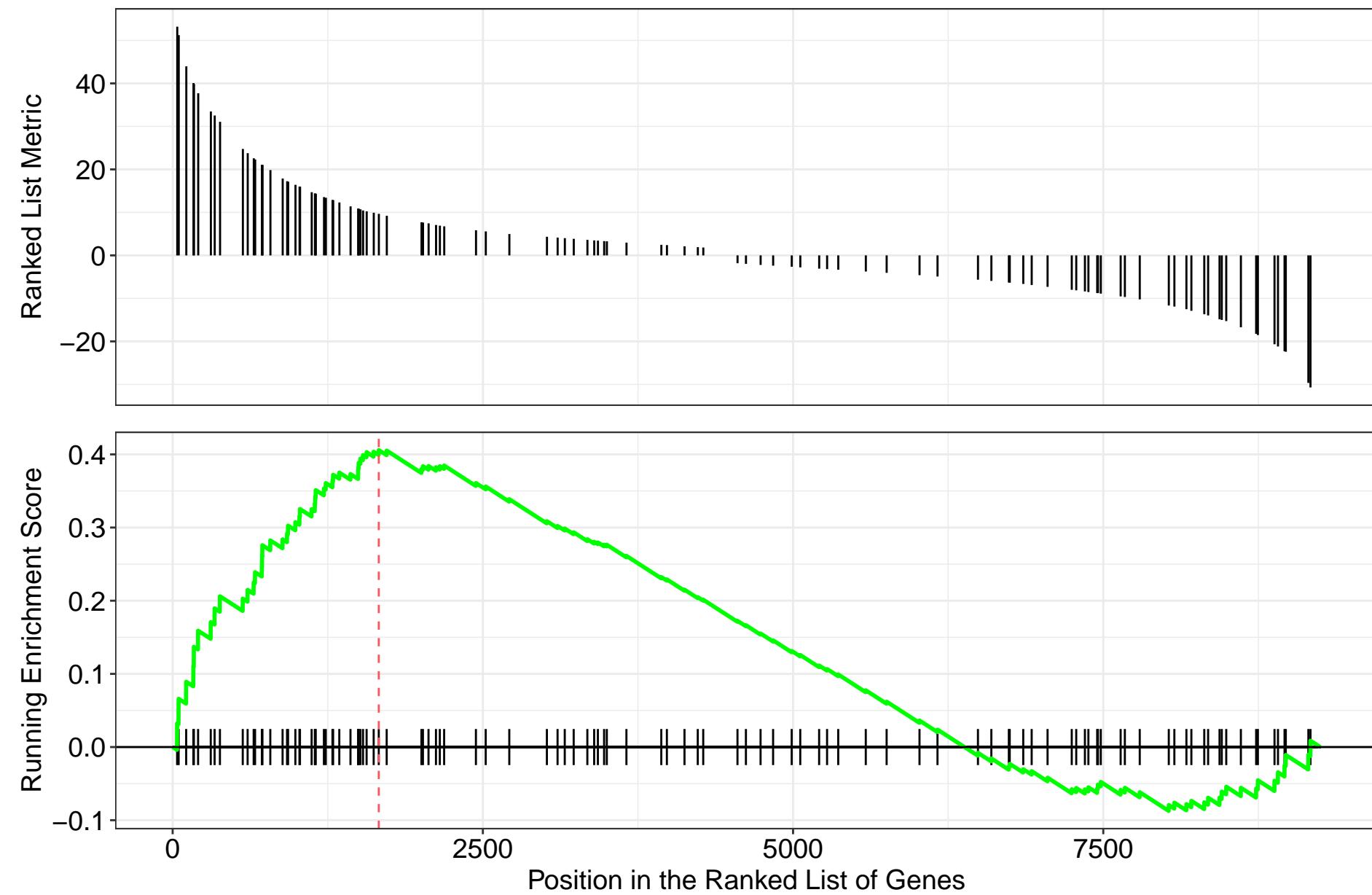
heterocycle catabolic process



positive regulation of osteoclast differentiation

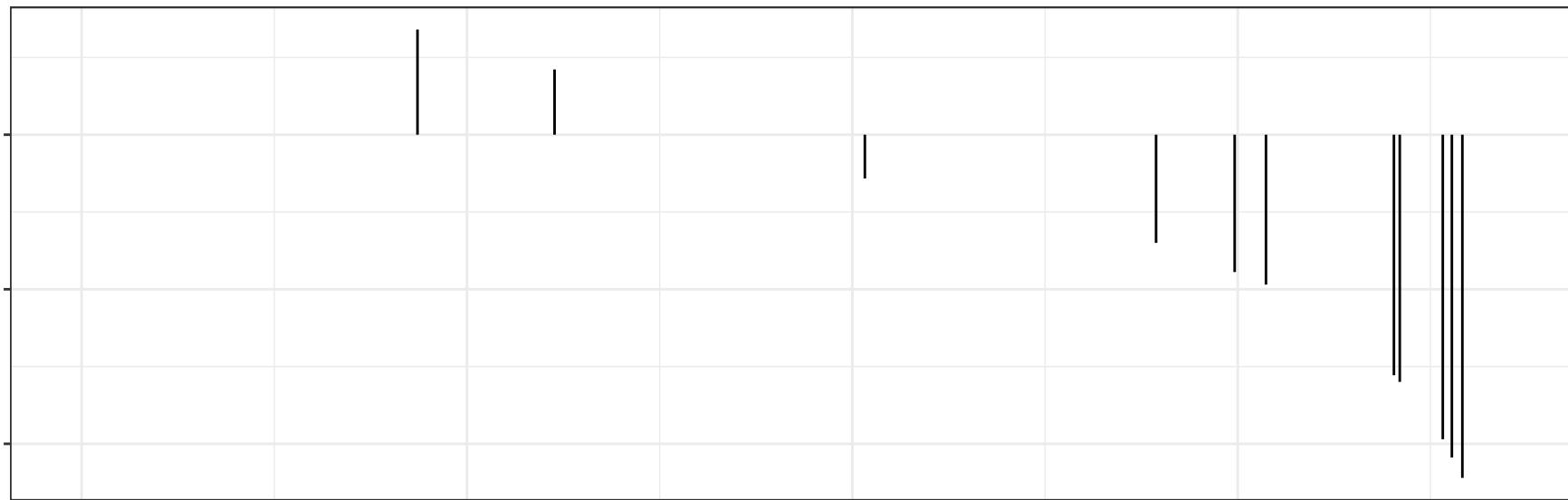


heart morphogenesis



positive regulation of meiotic cell cycle

Ranked List Metric



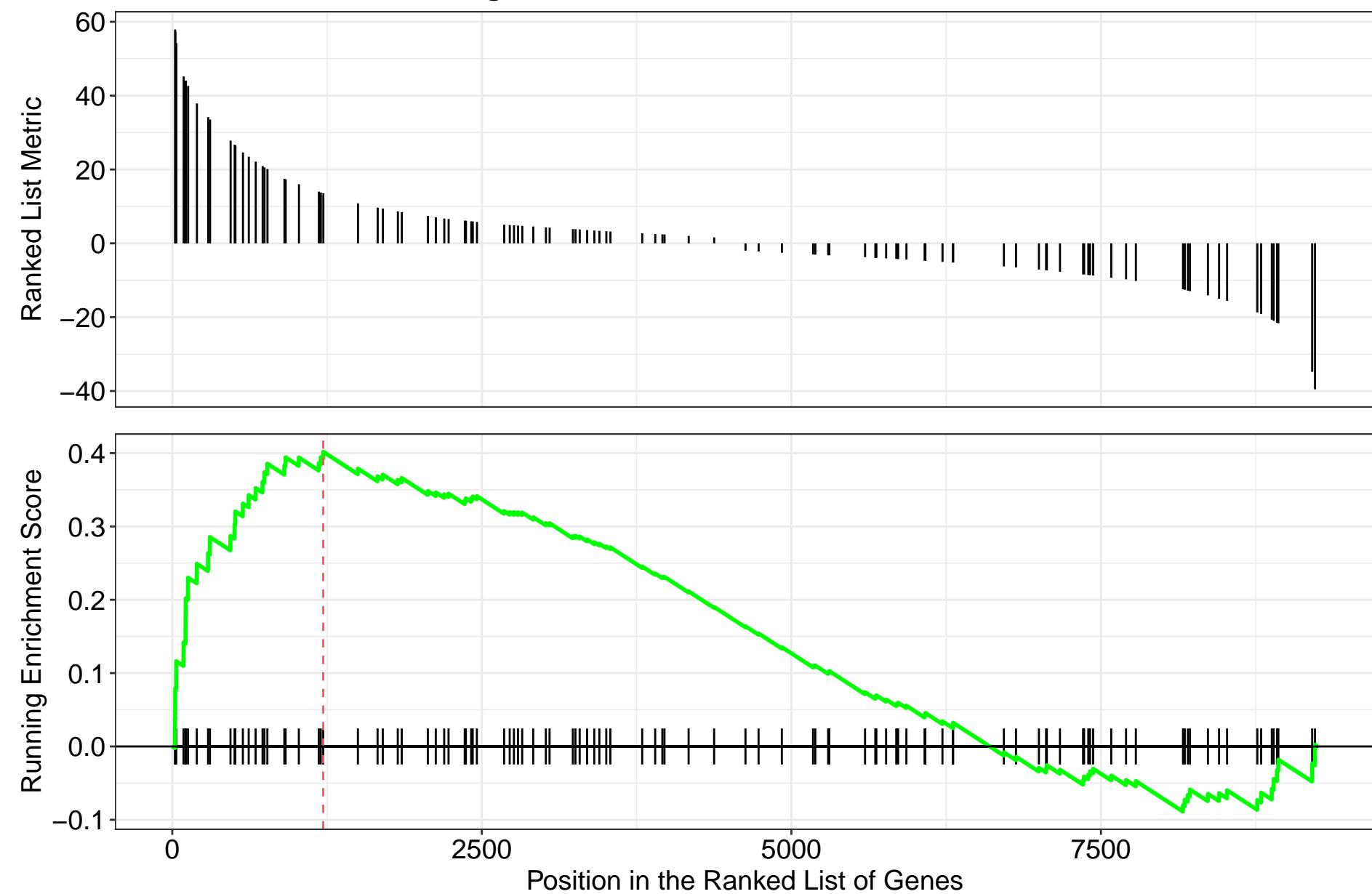
Running Enrichment Score

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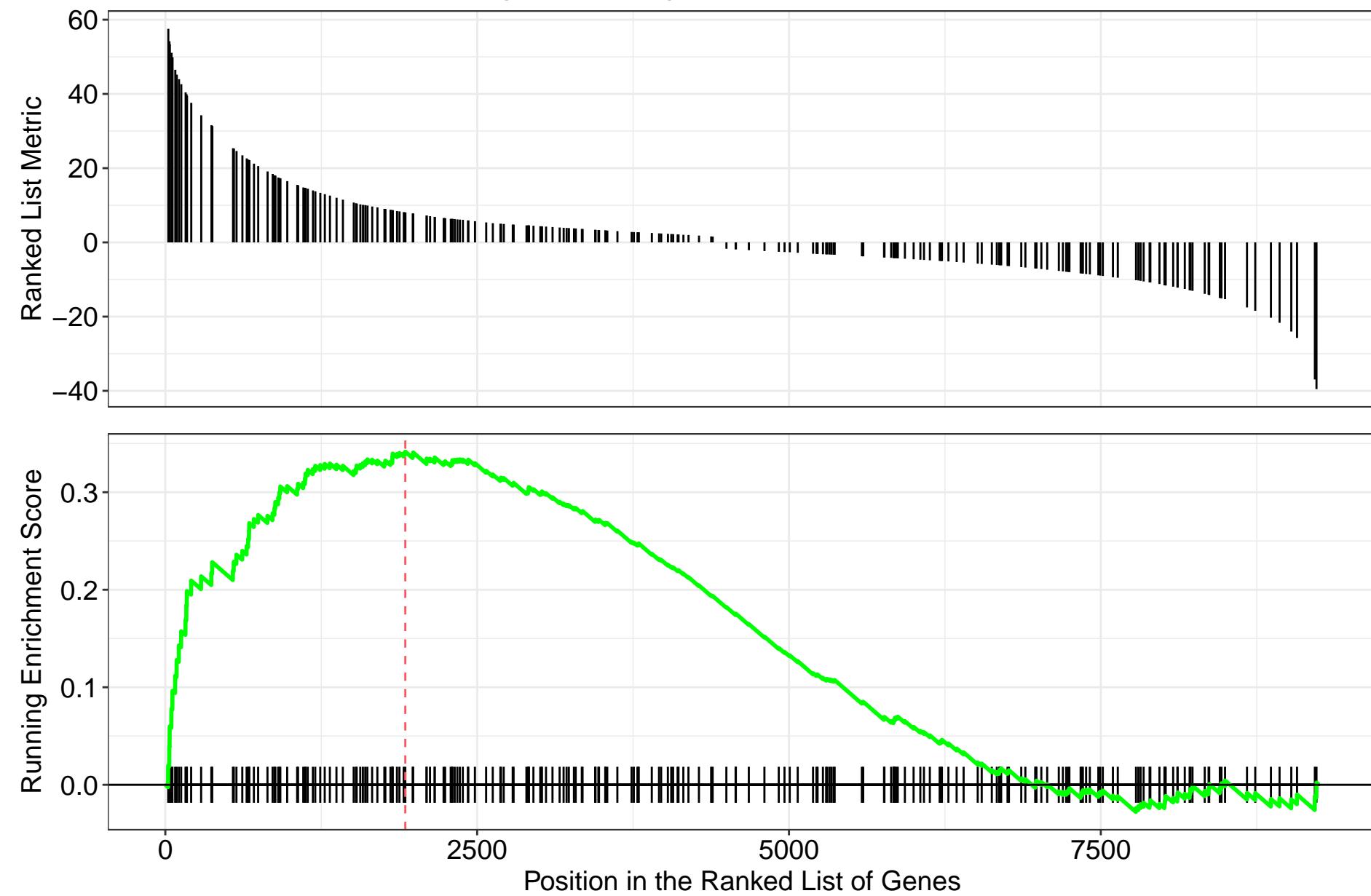
Position in the Ranked List of Genes



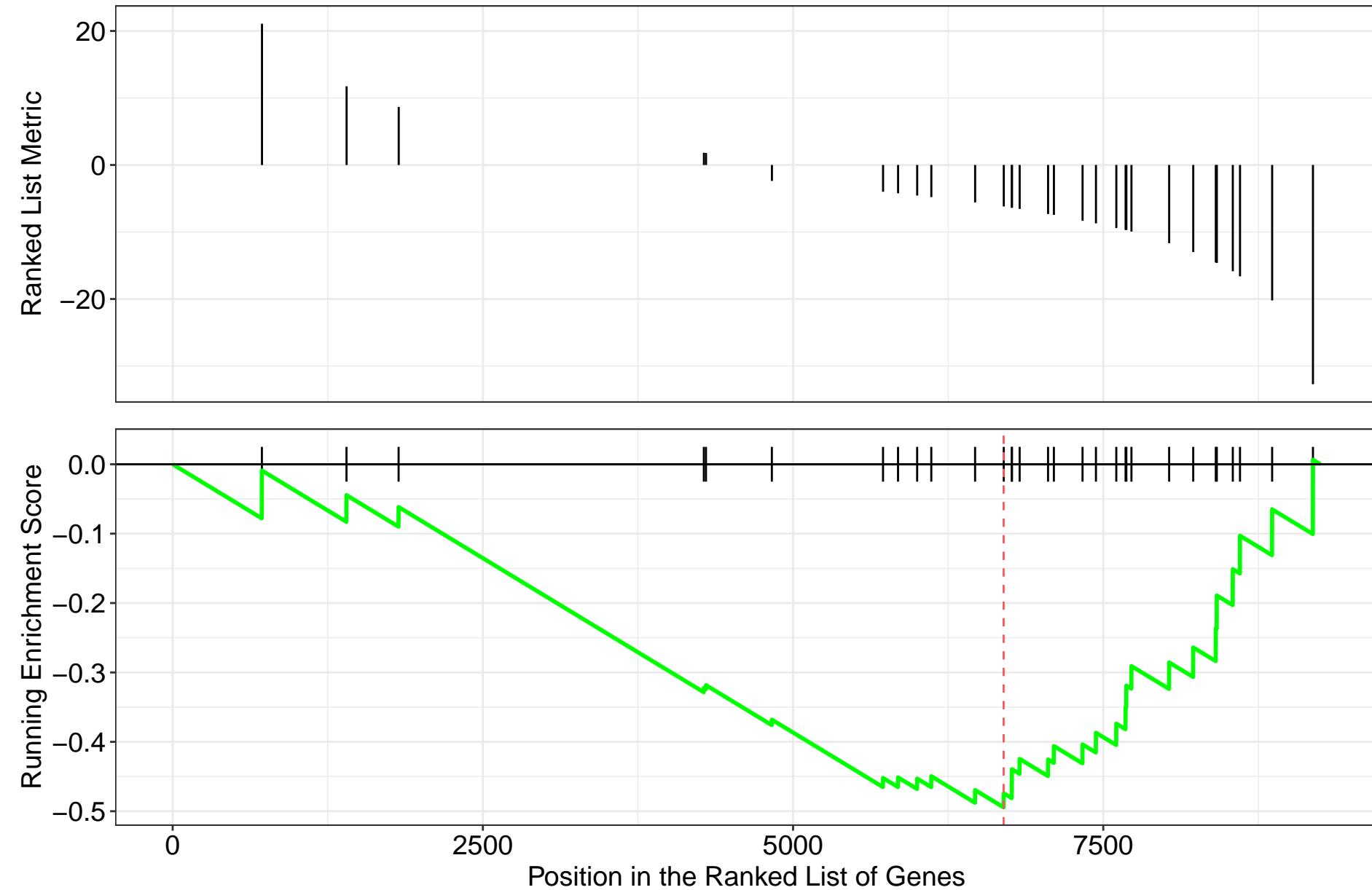
regulation of hormone secretion



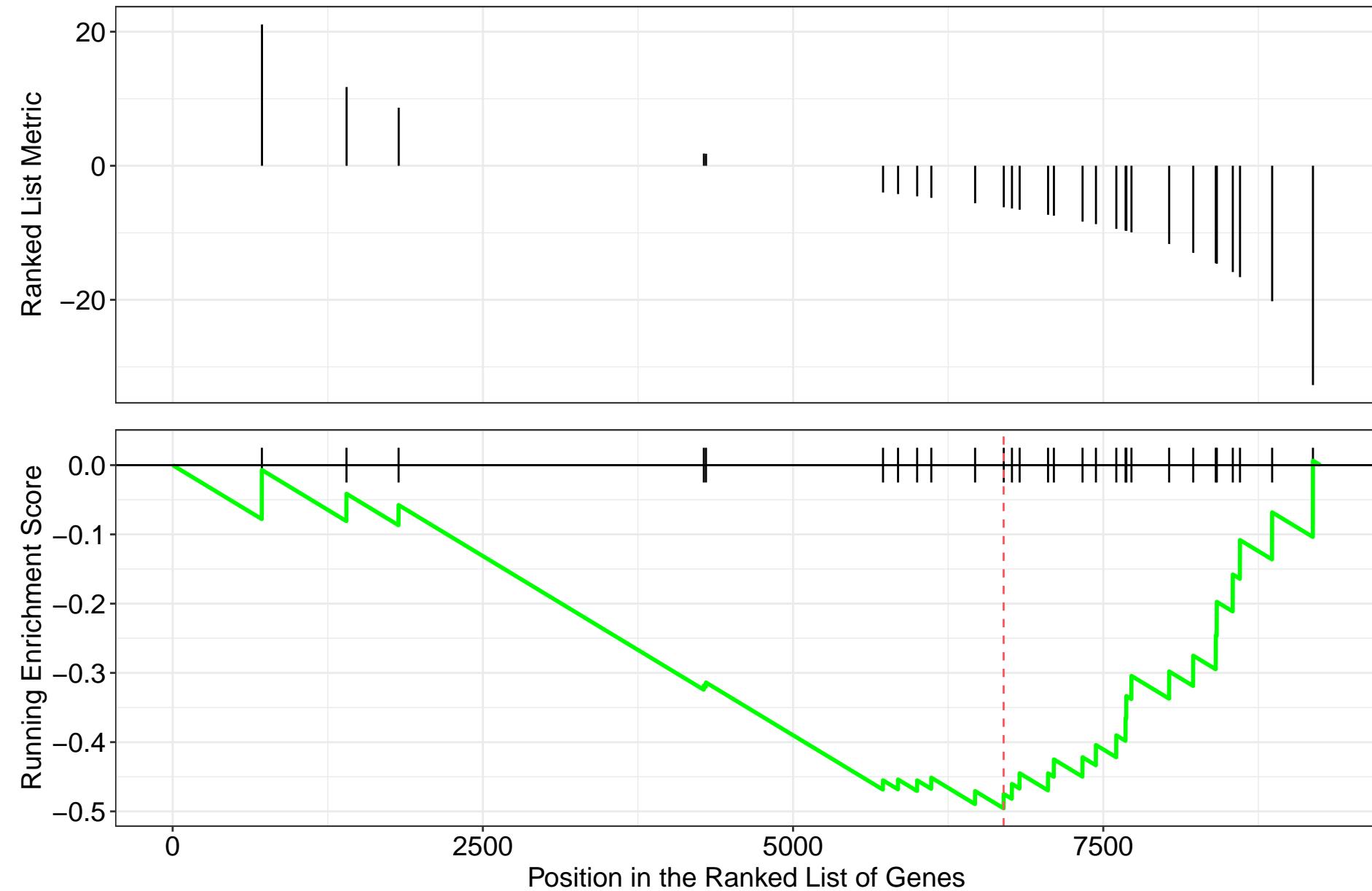
negative regulation of transport



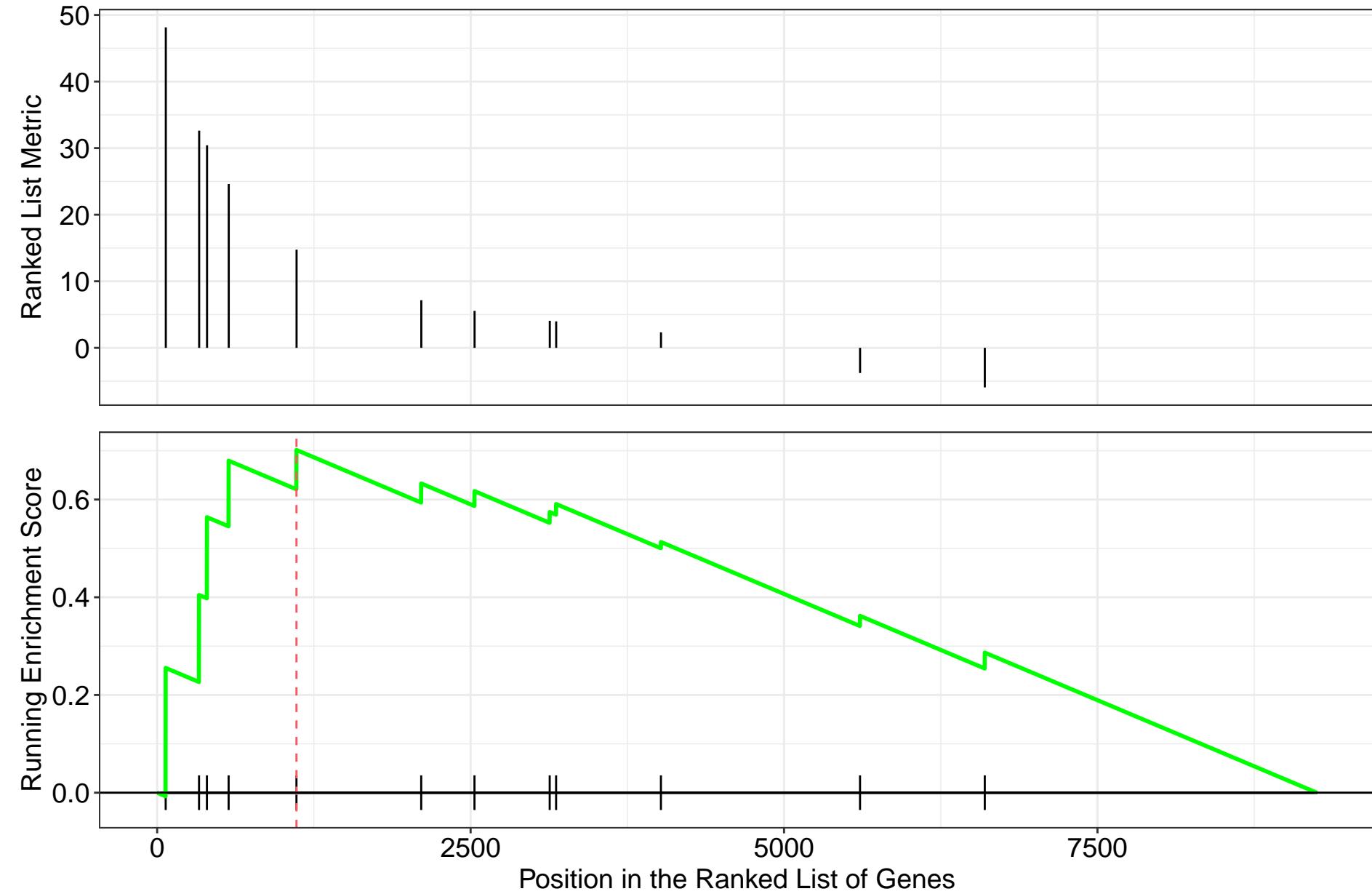
DNA geometric change



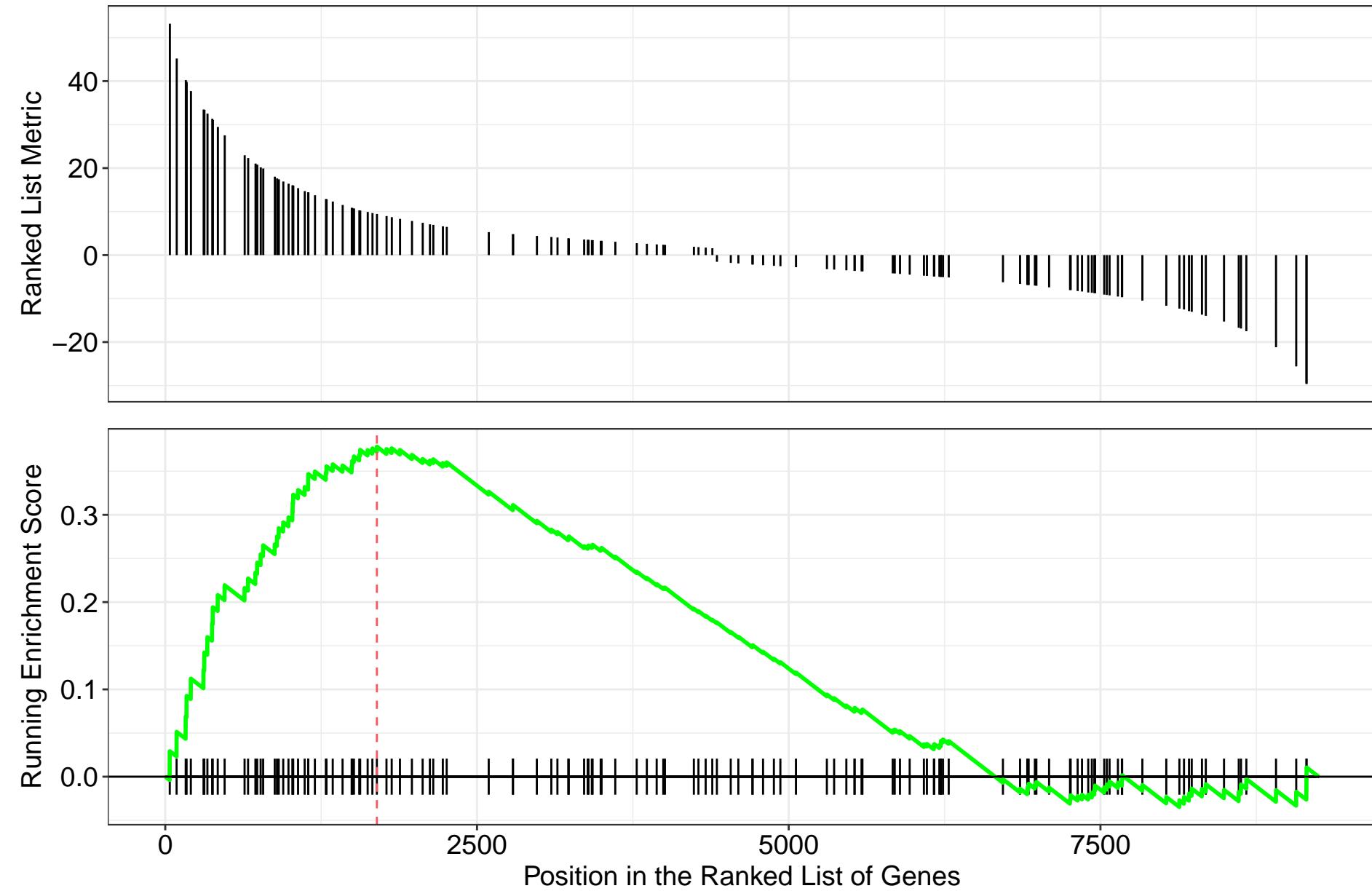
DNA duplex unwinding



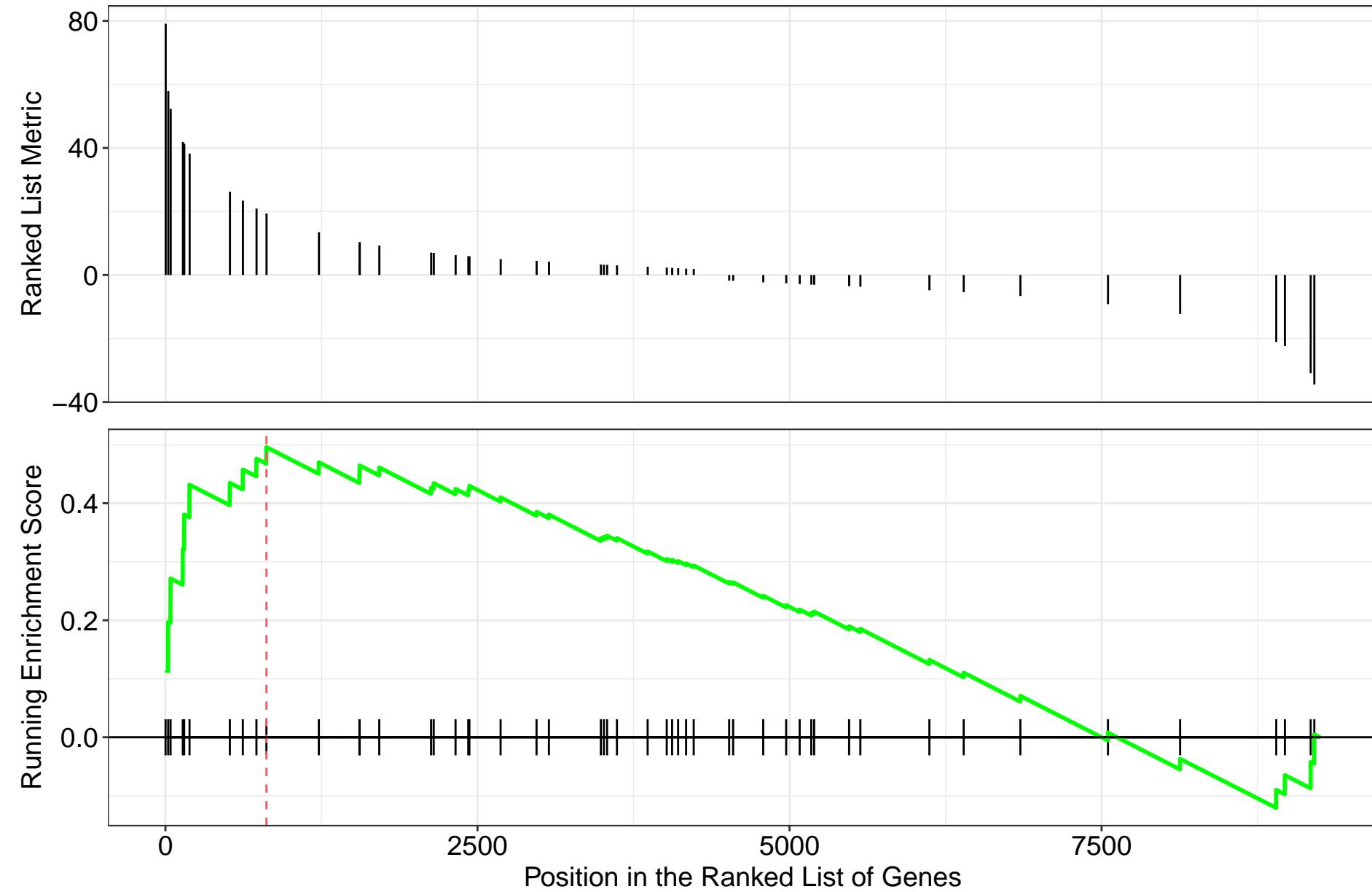
regulation of podosome assembly



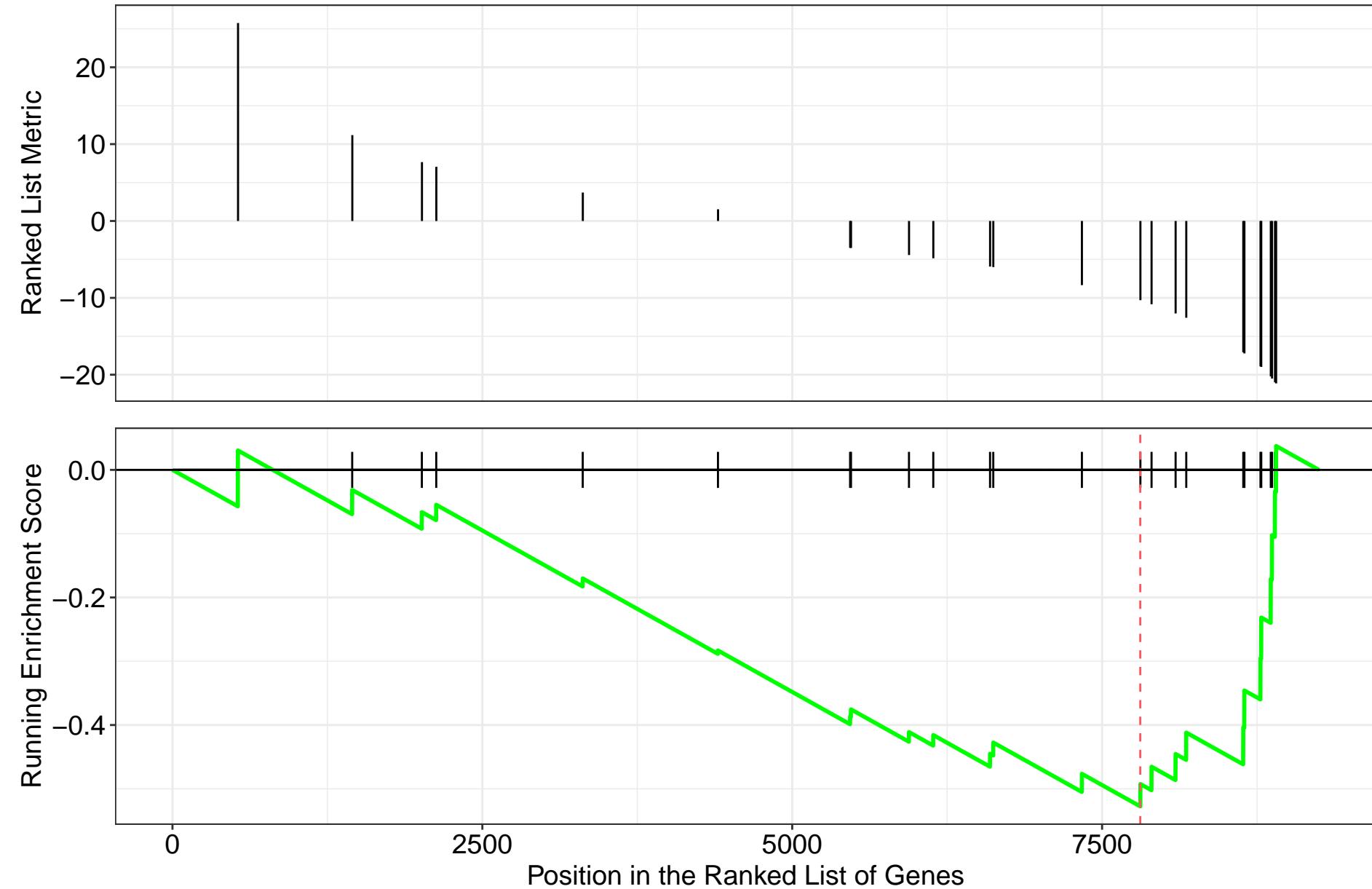
muscle organ development



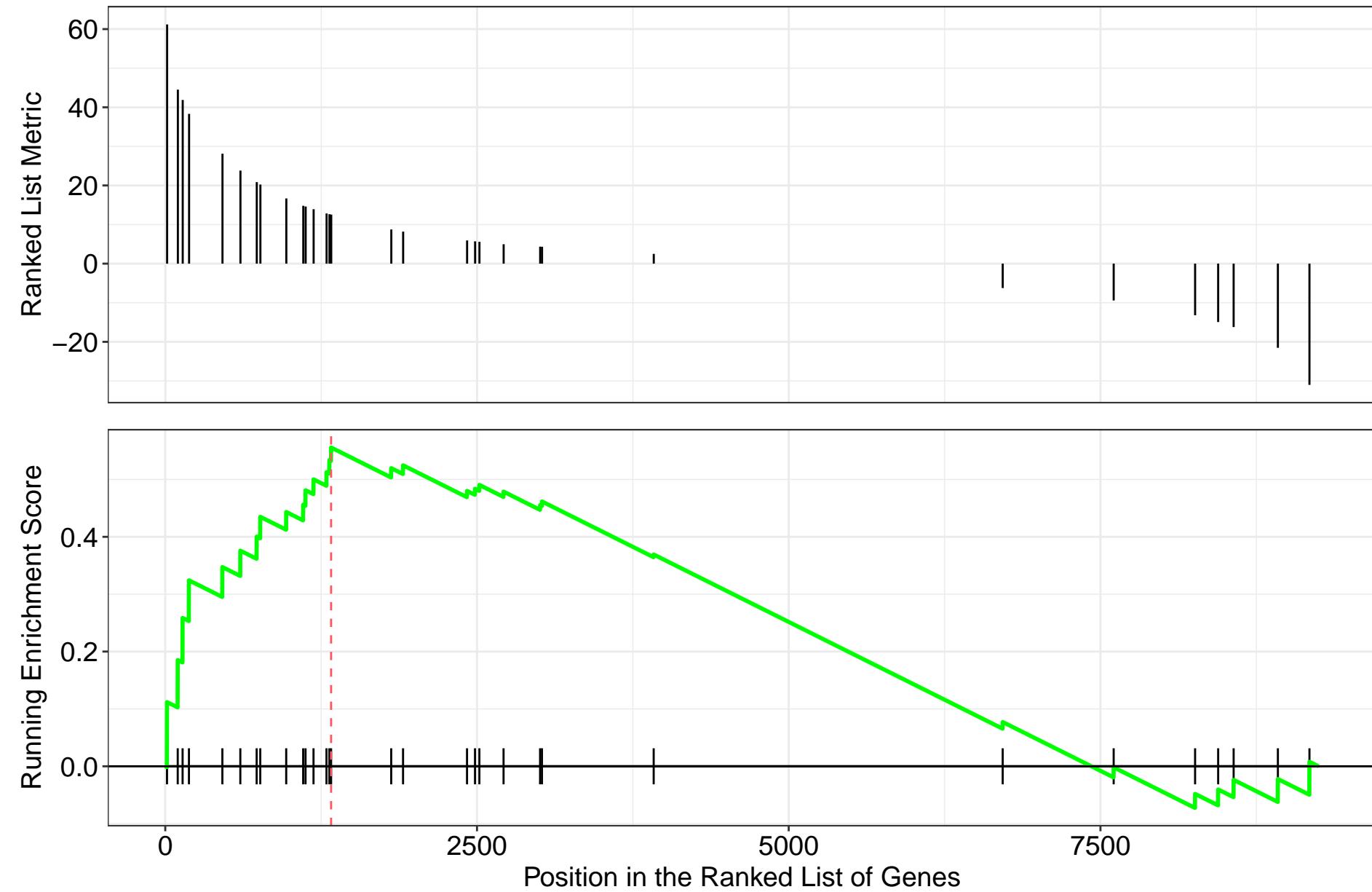
biological process involved in interaction with symbiont



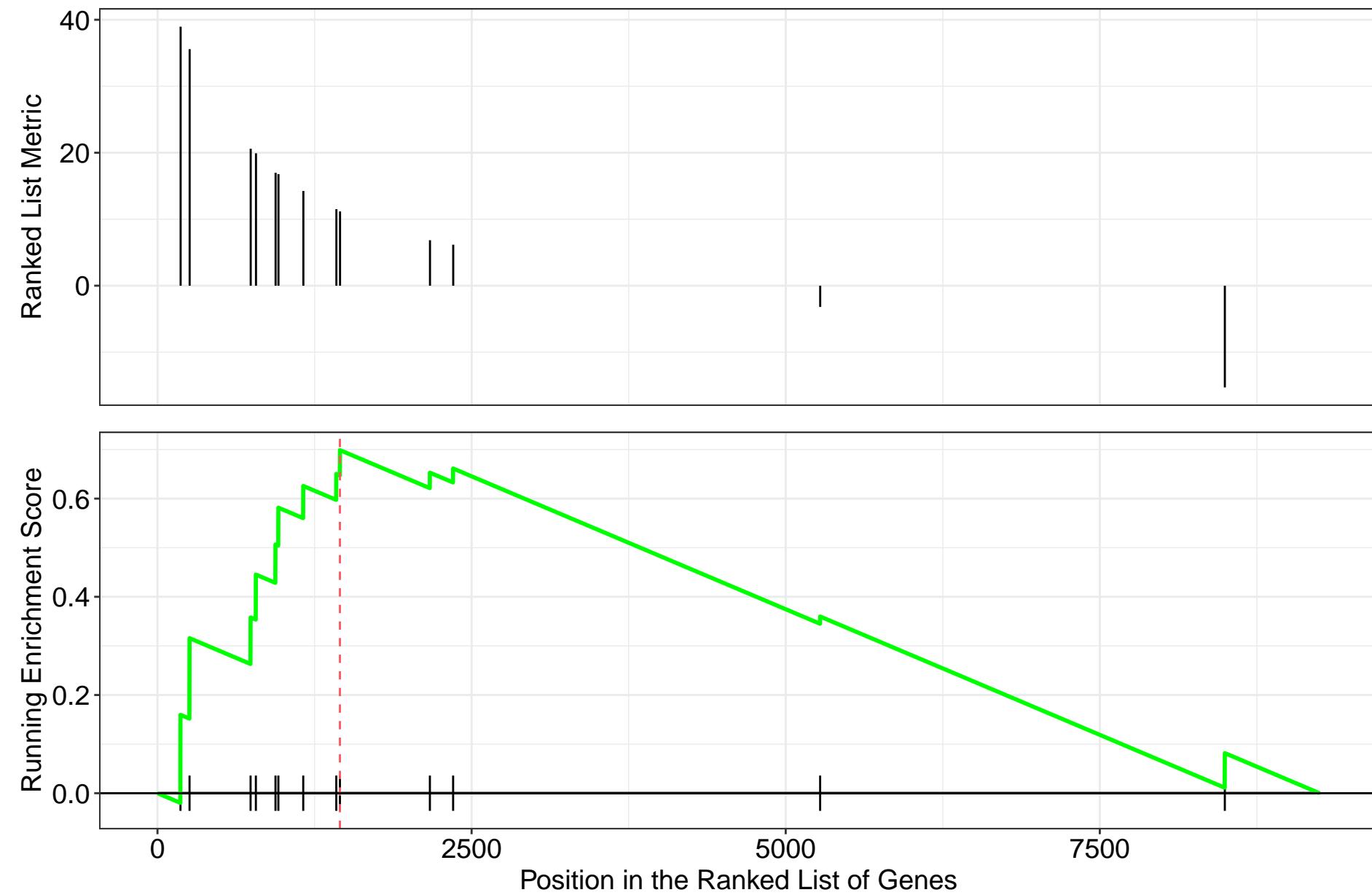
chromosome condensation



negative regulation of lymphocyte mediated immunity

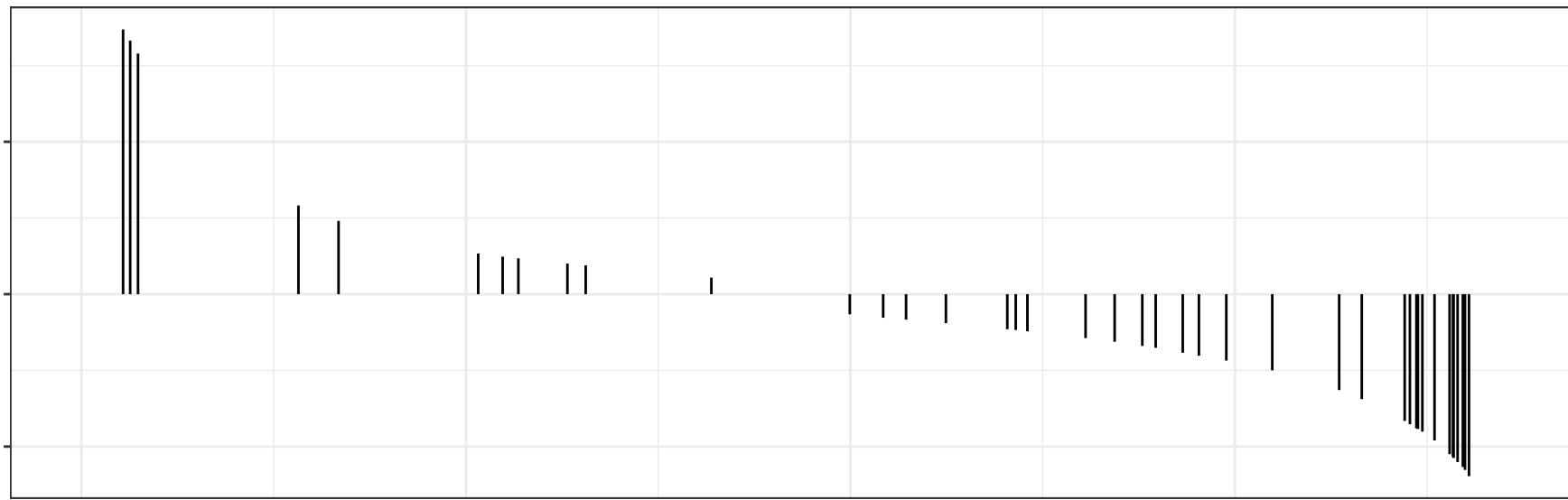


positive regulation of collagen biosynthetic process



mitotic spindle assembly

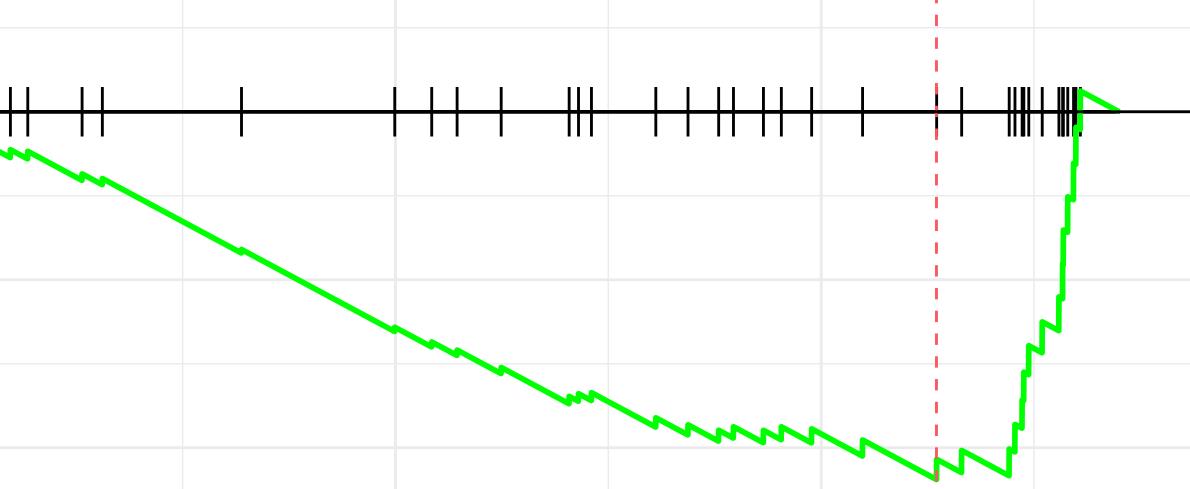
Ranked List Metric



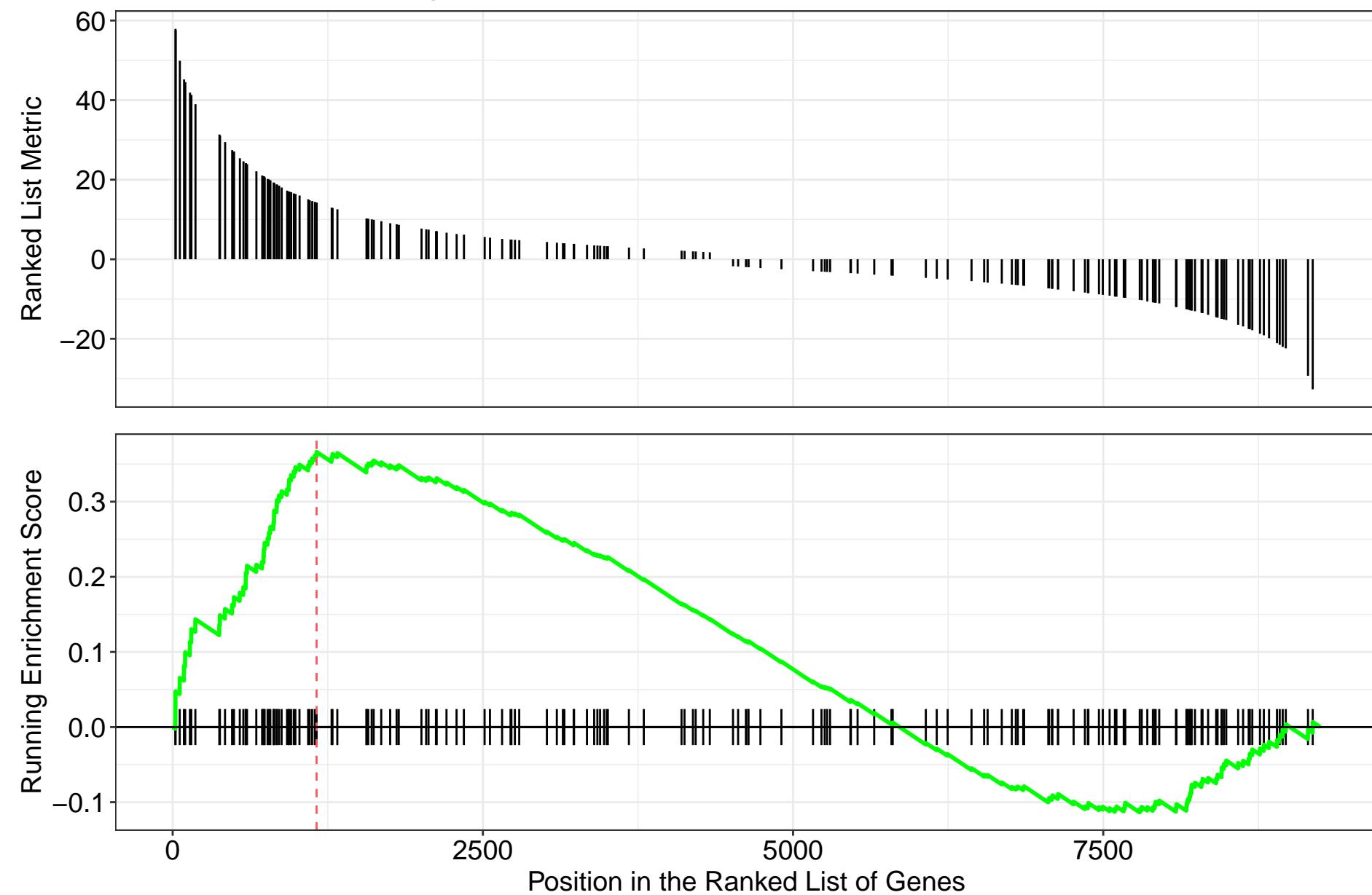
Running Enrichment Score

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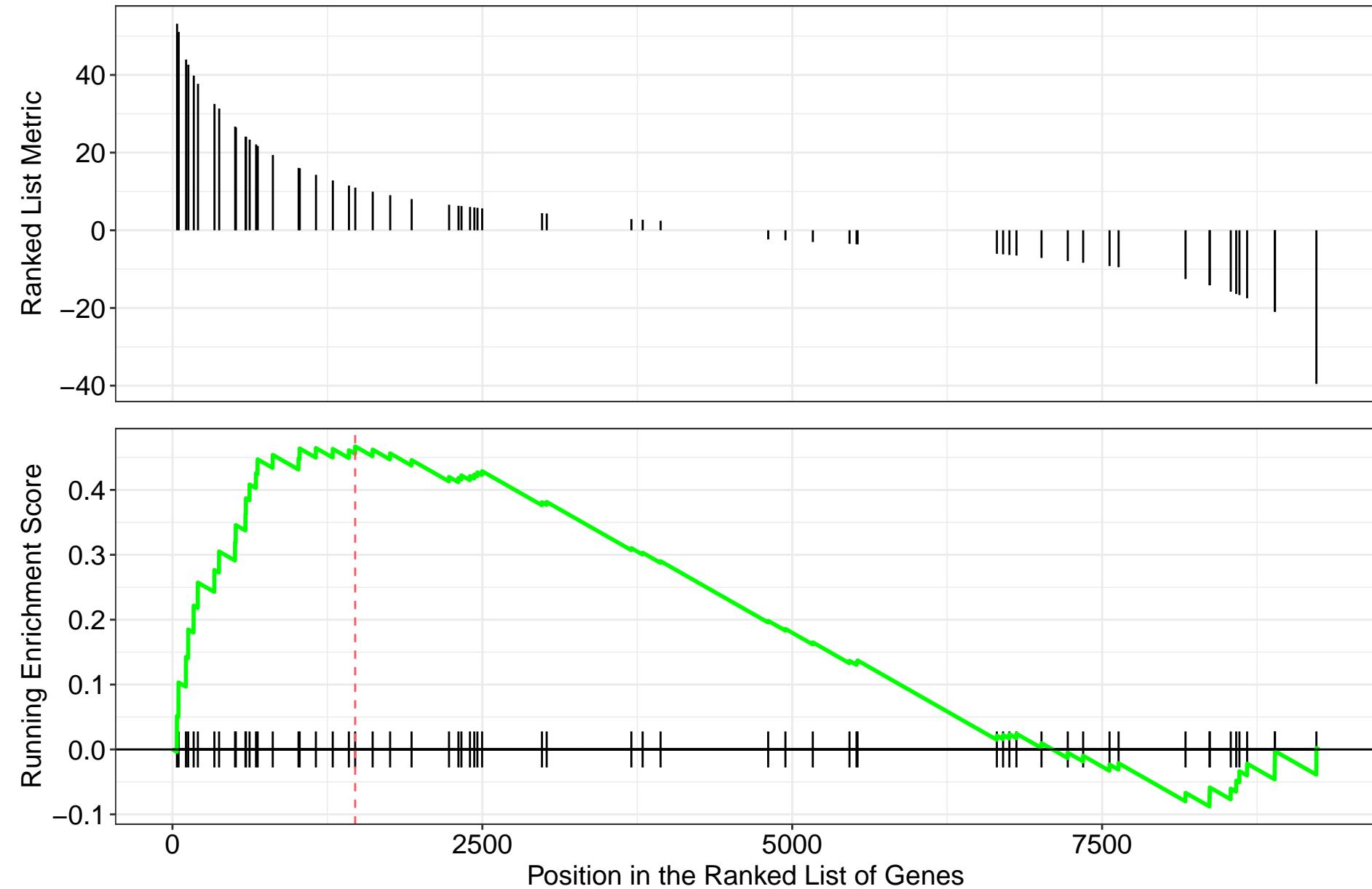
Position in the Ranked List of Genes



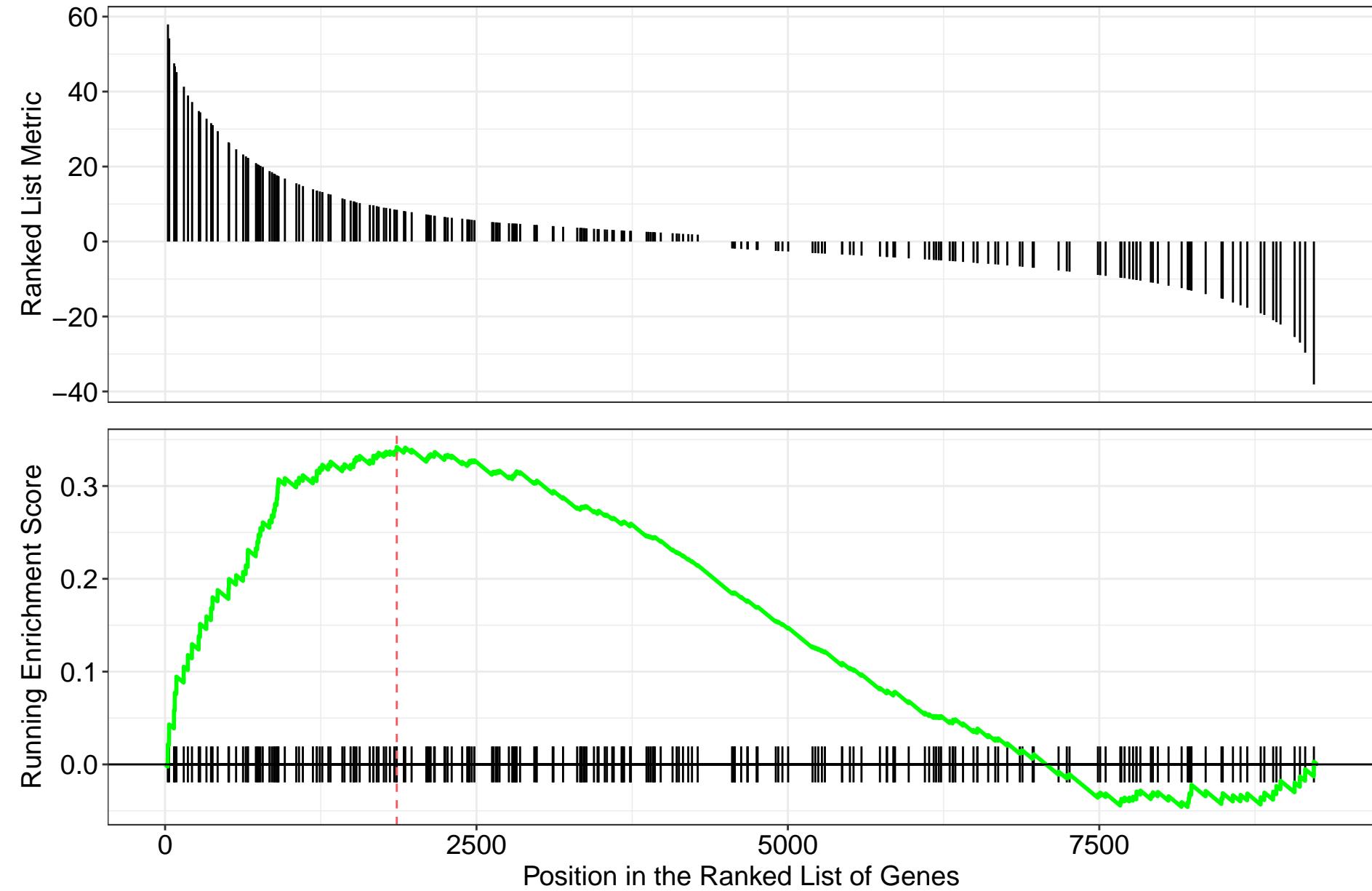
regulation of epithelial cell proliferation



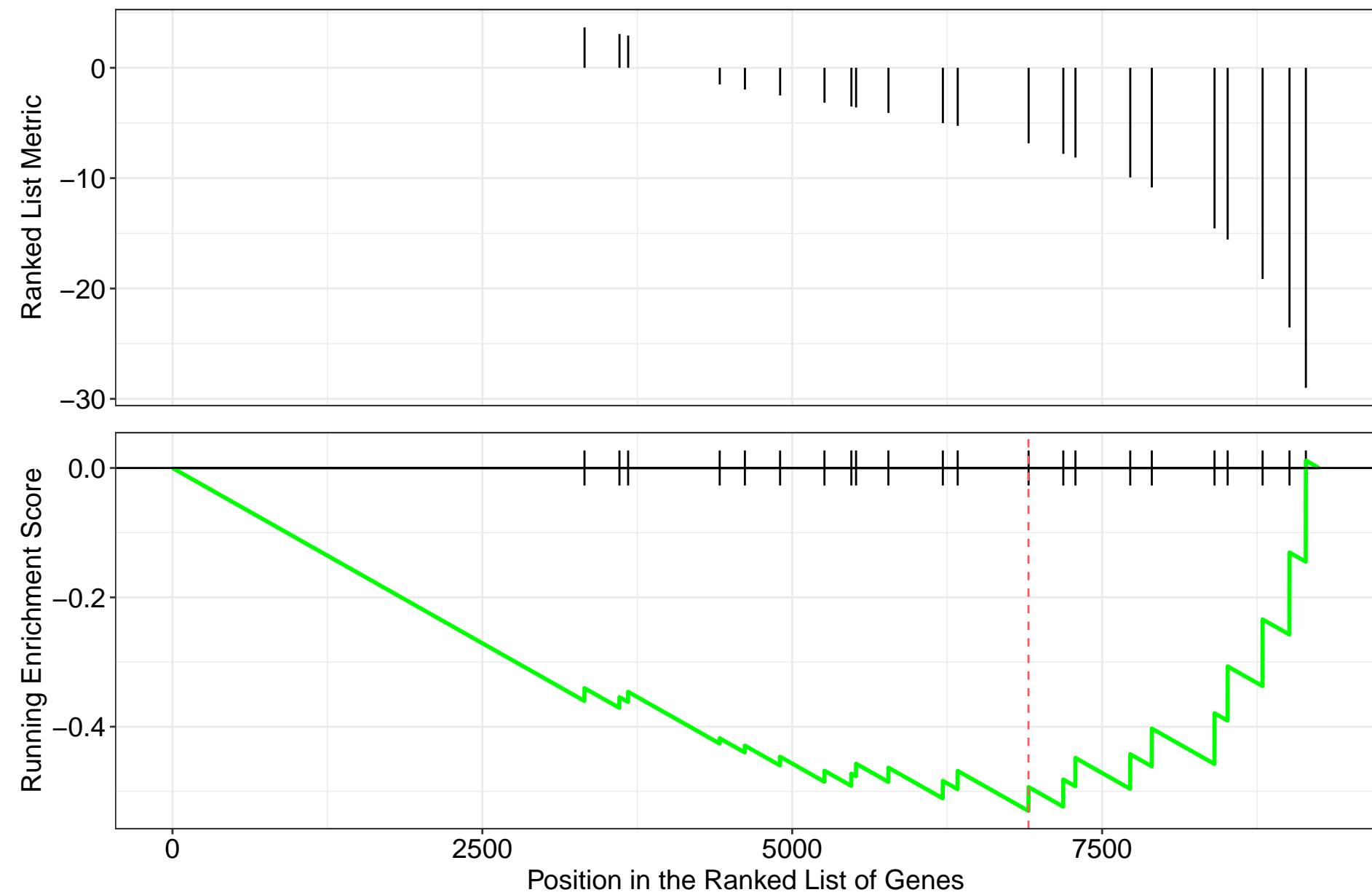
regulation of muscle contraction



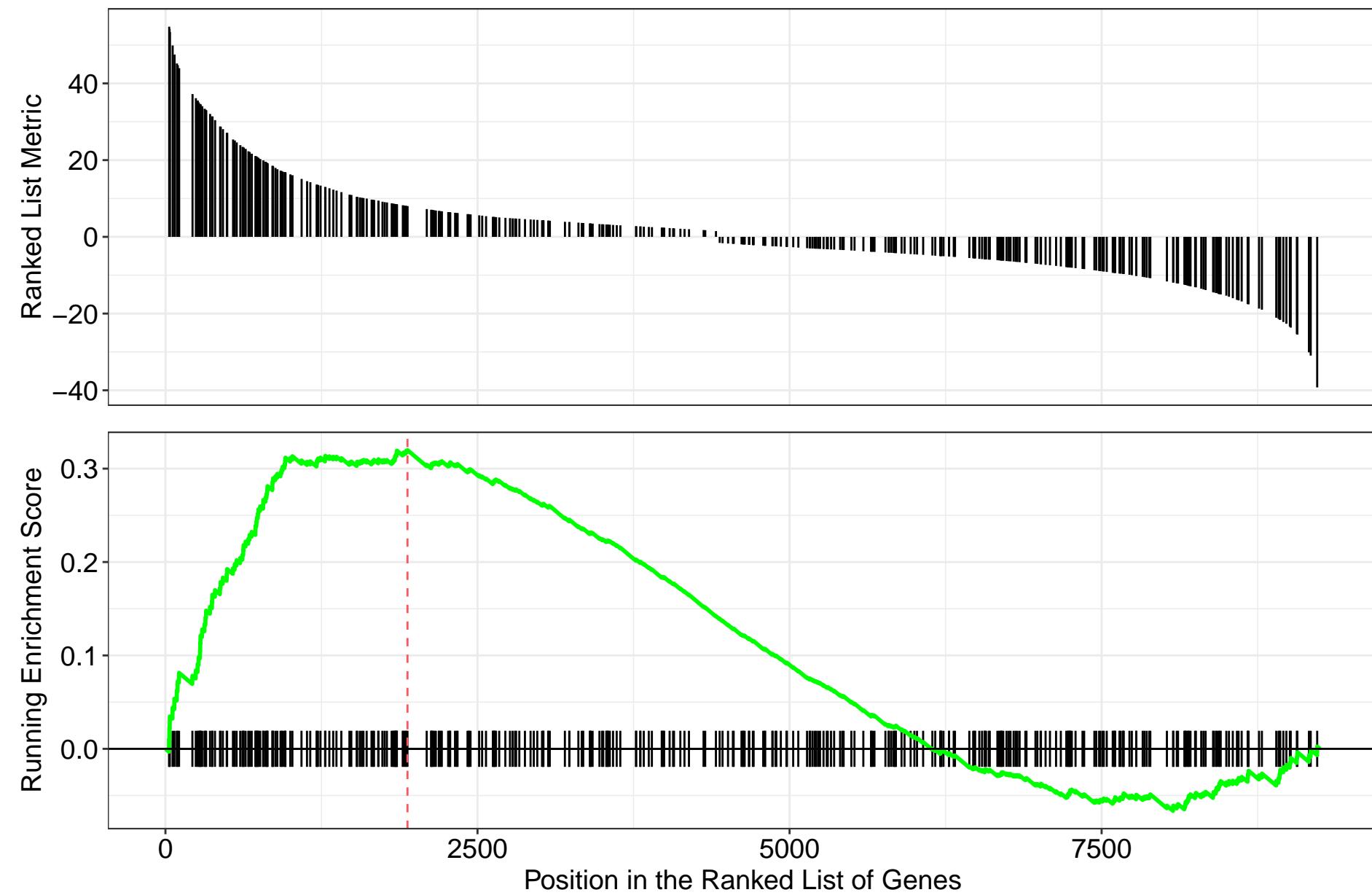
neuron death



interstrand cross-link repair

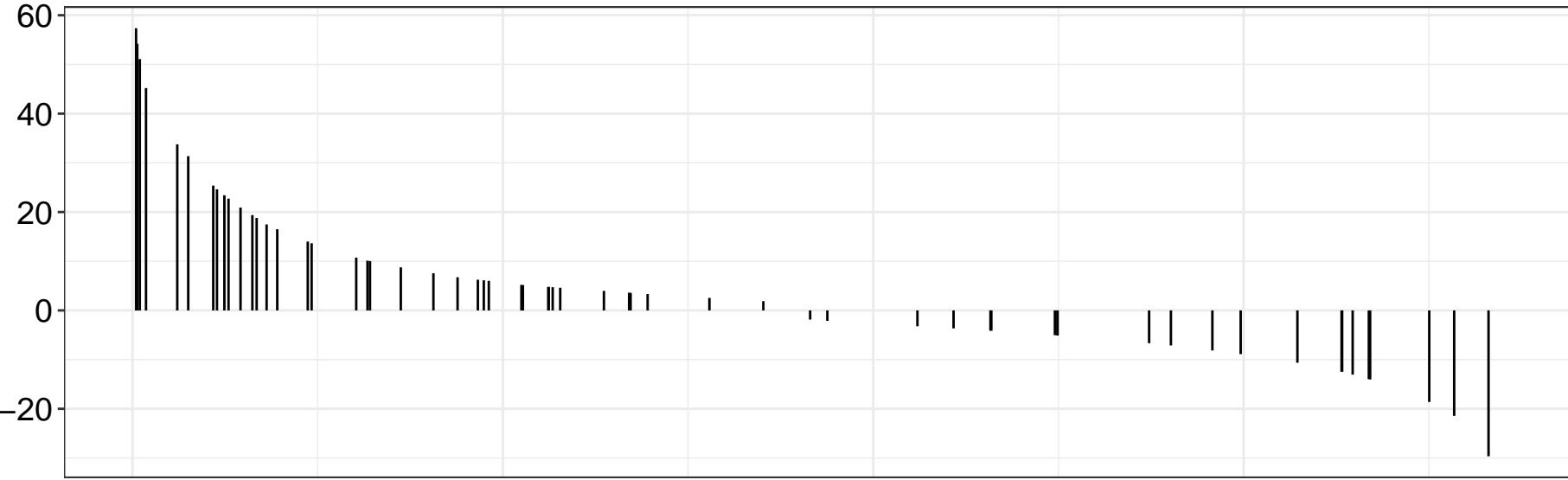


regulation of kinase activity



nitric oxide metabolic process

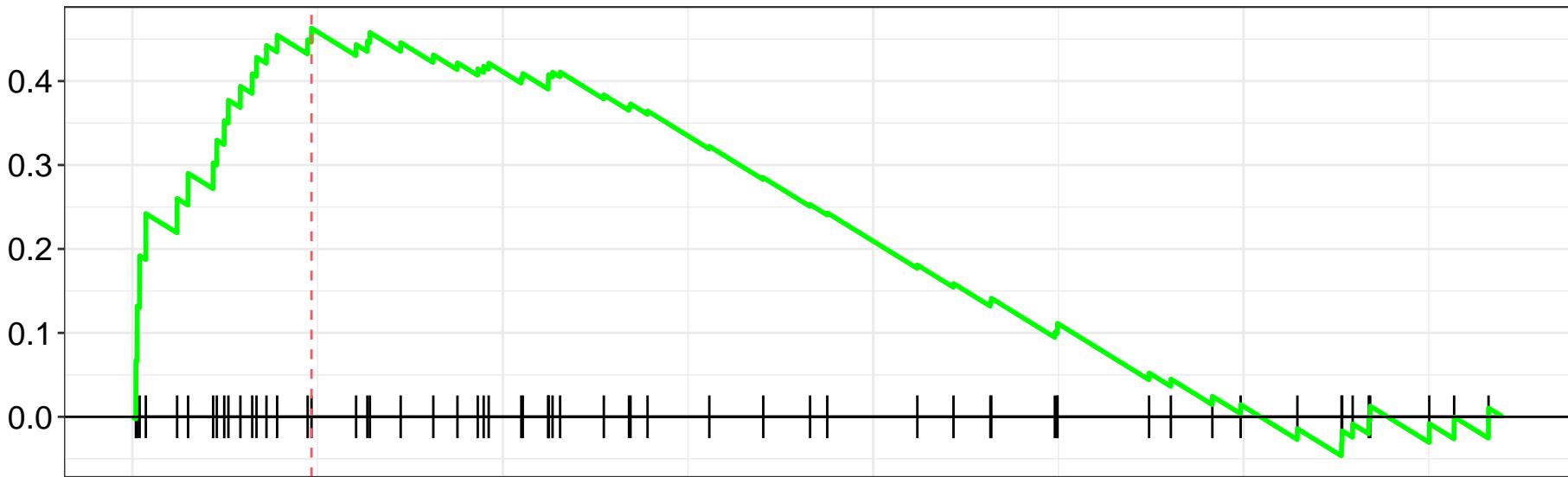
Ranked List Metric



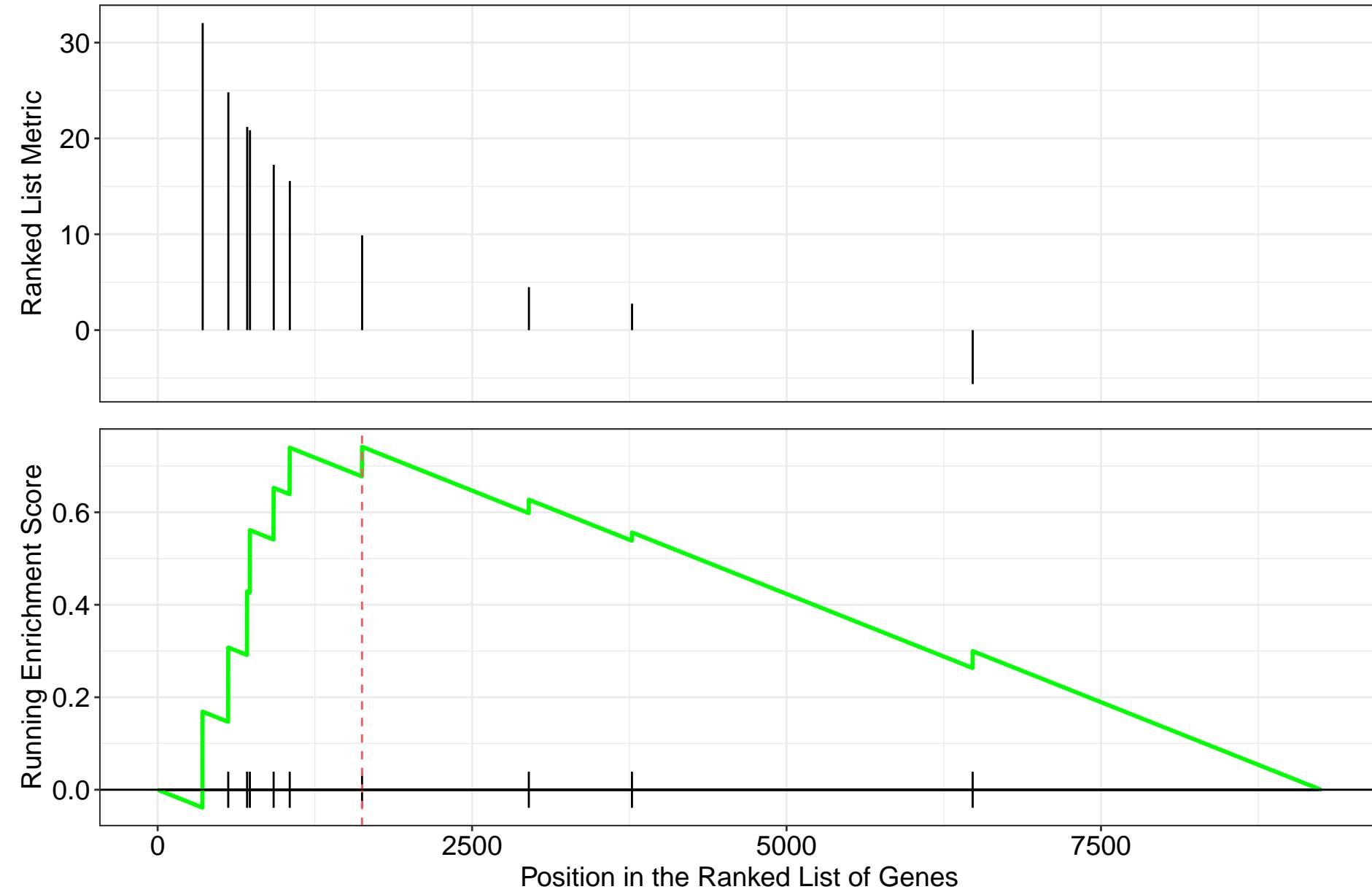
Running Enrichment Score

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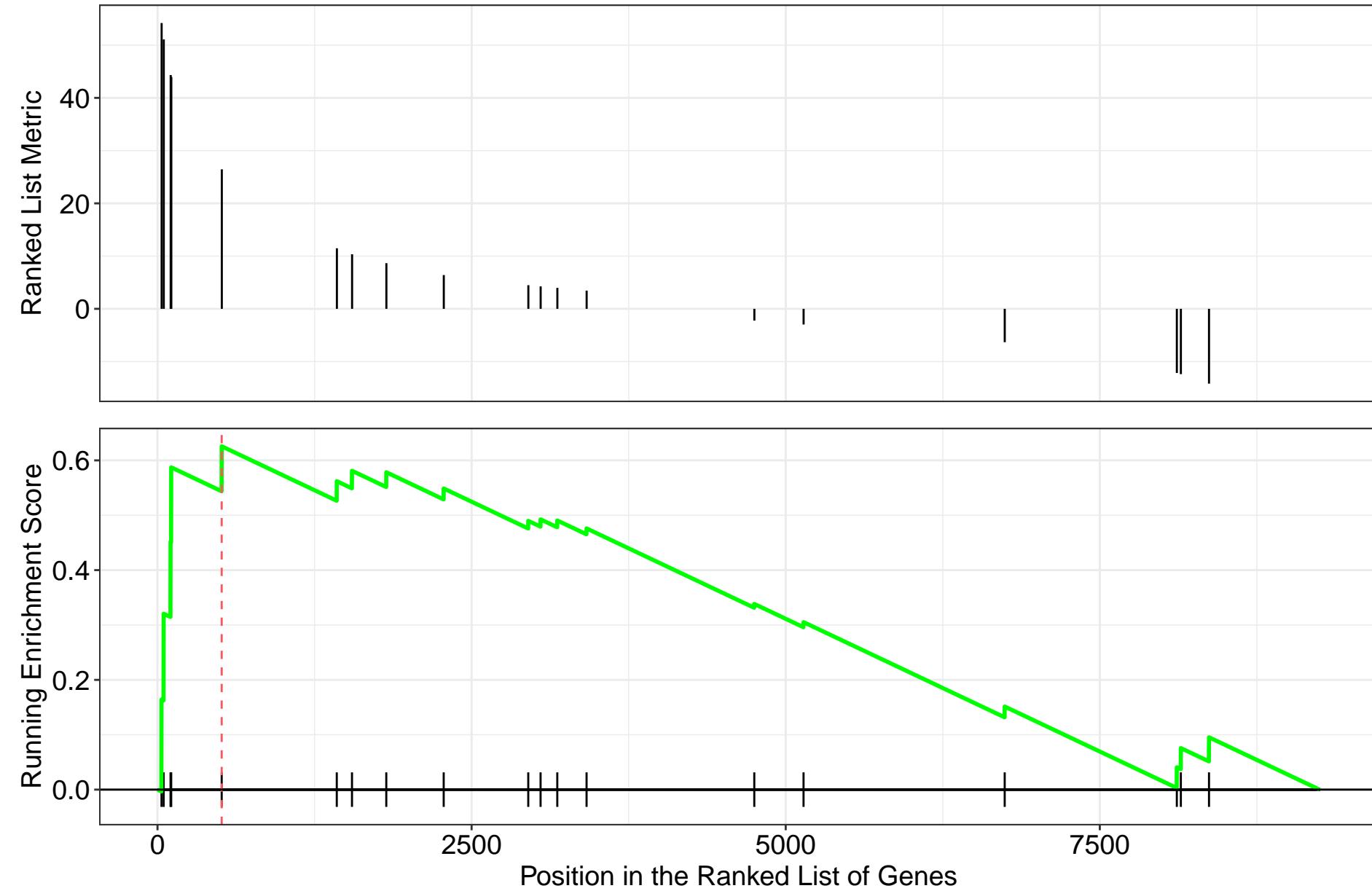
Position in the Ranked List of Genes



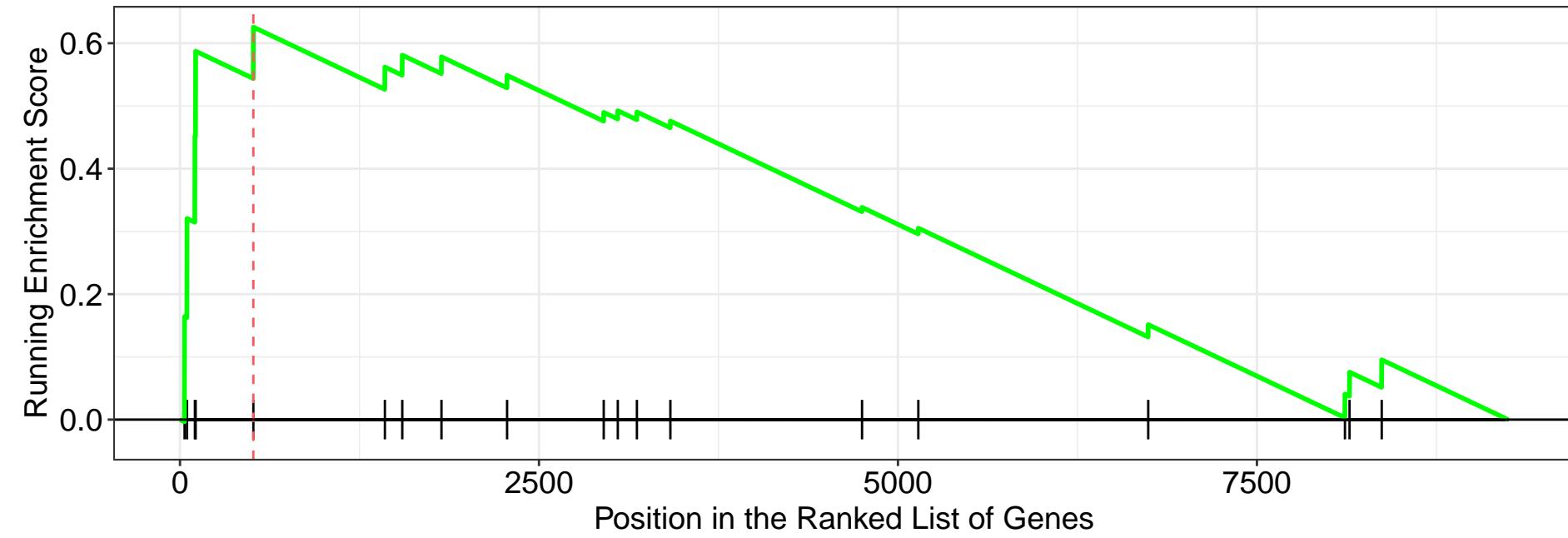
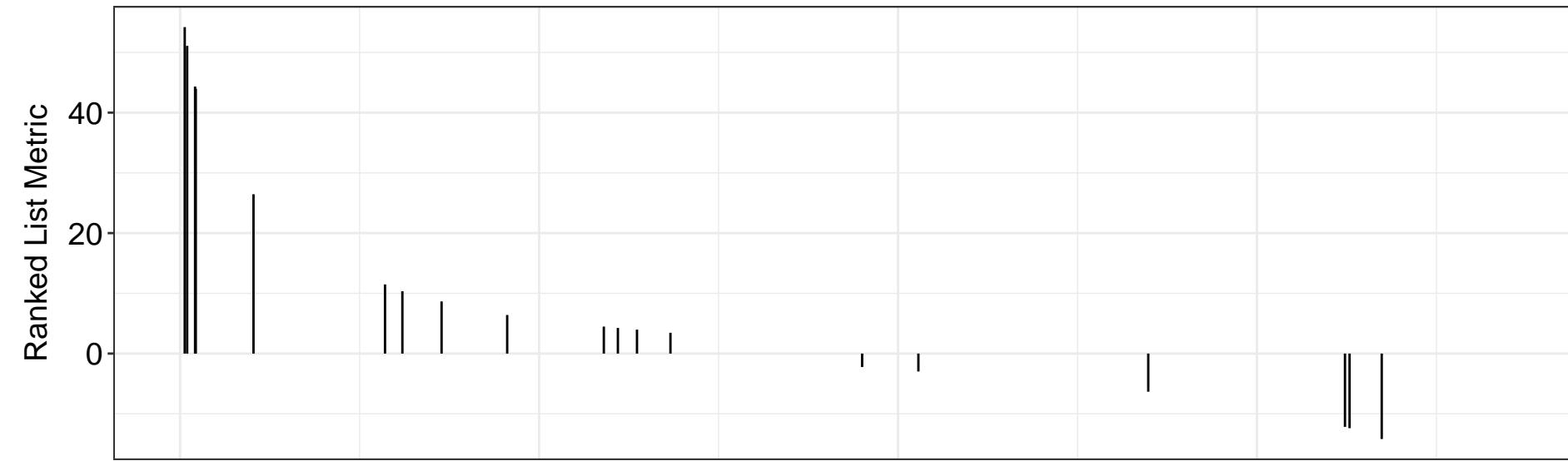
dendritic cell antigen processing and presentation



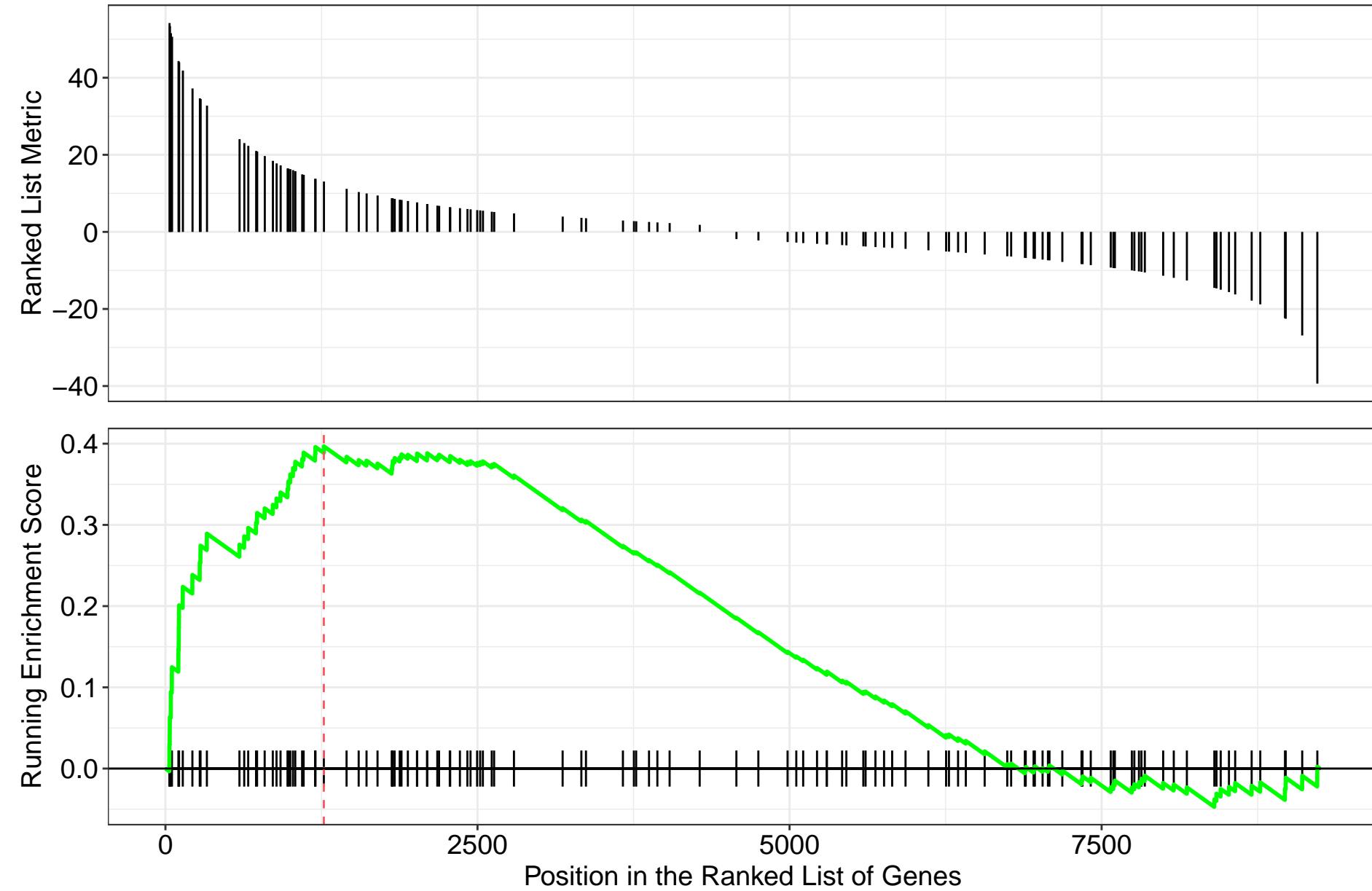
prostaglandin biosynthetic process



prostanoid biosynthetic process

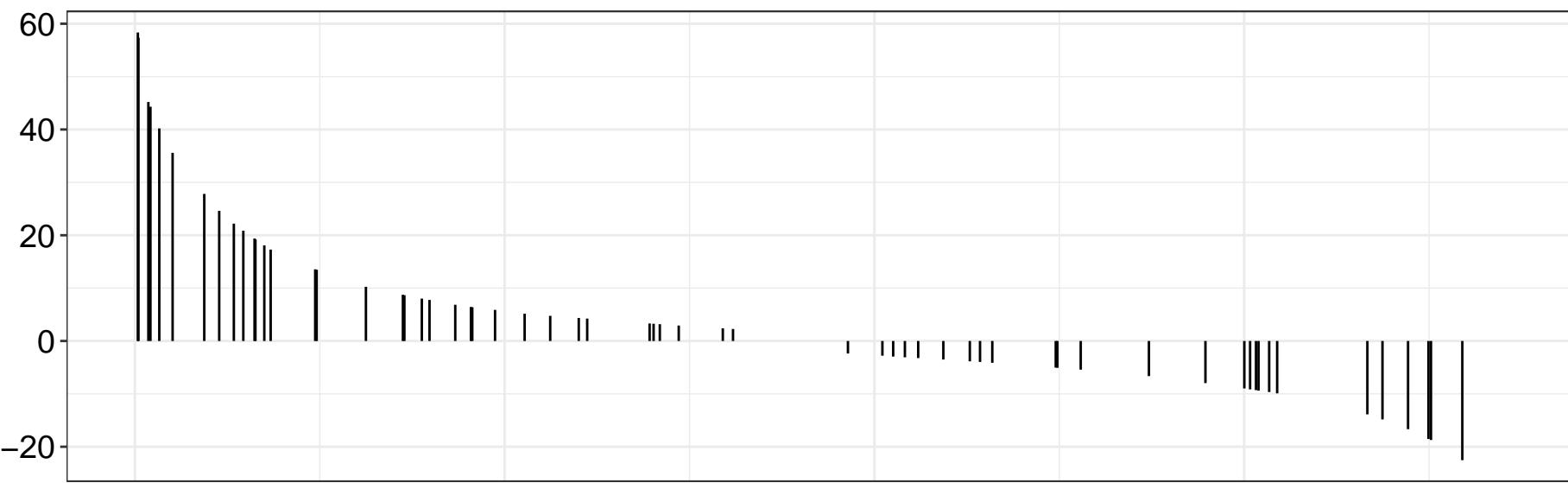


organic acid transport



production of molecular mediator involved in inflammatory response

Ranked List Metric



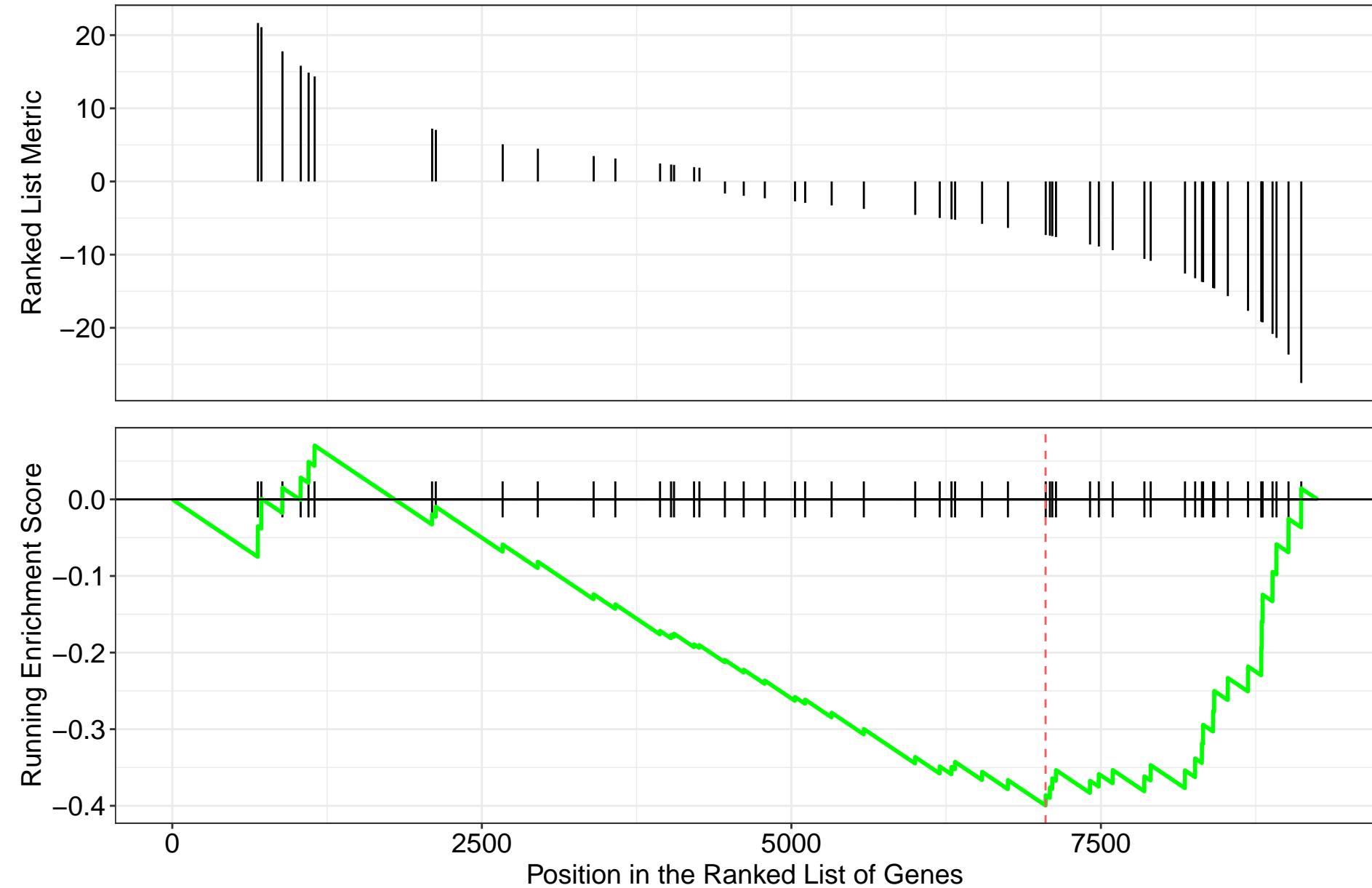
Running Enrichment Score

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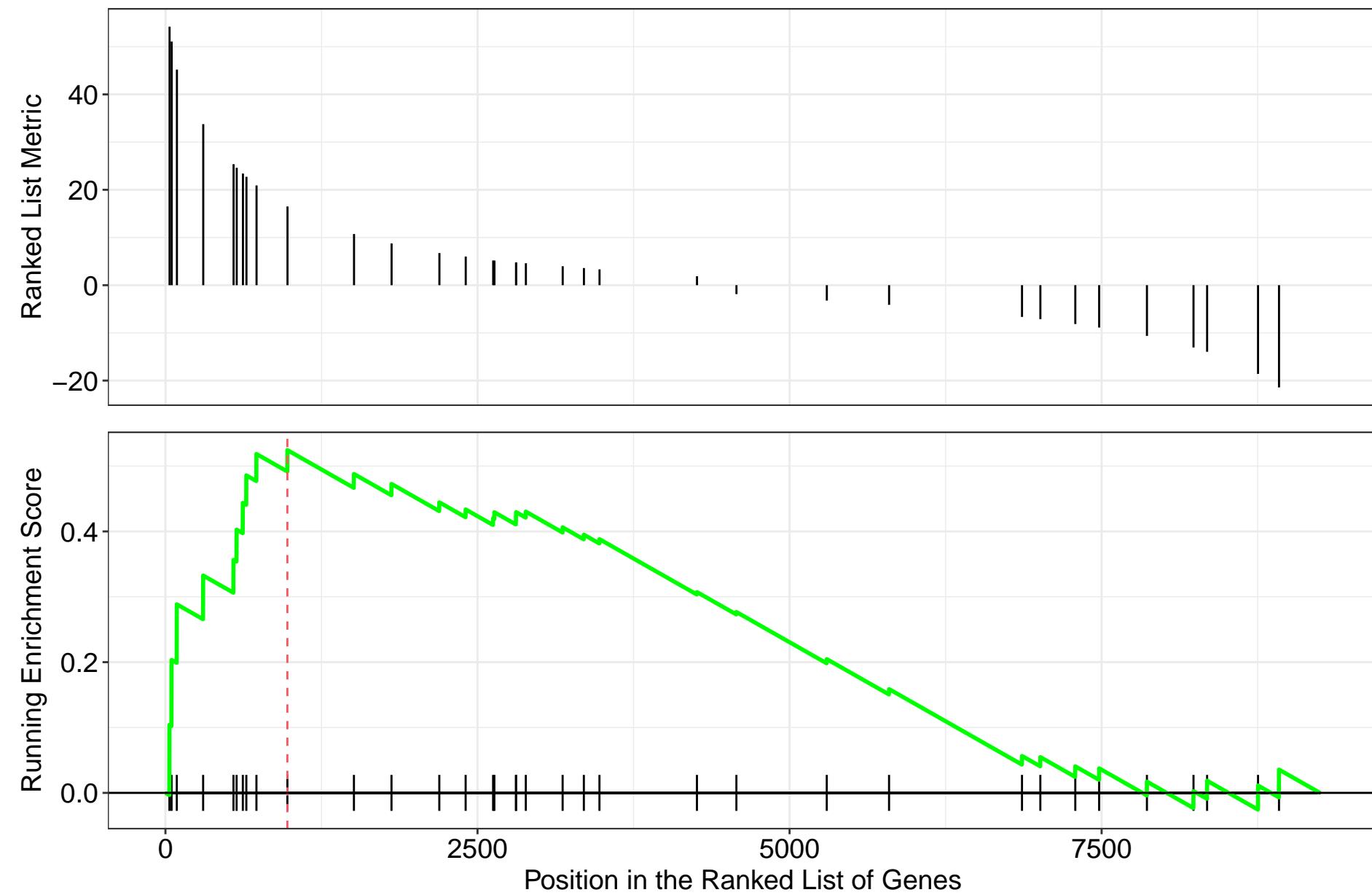
Position in the Ranked List of Genes



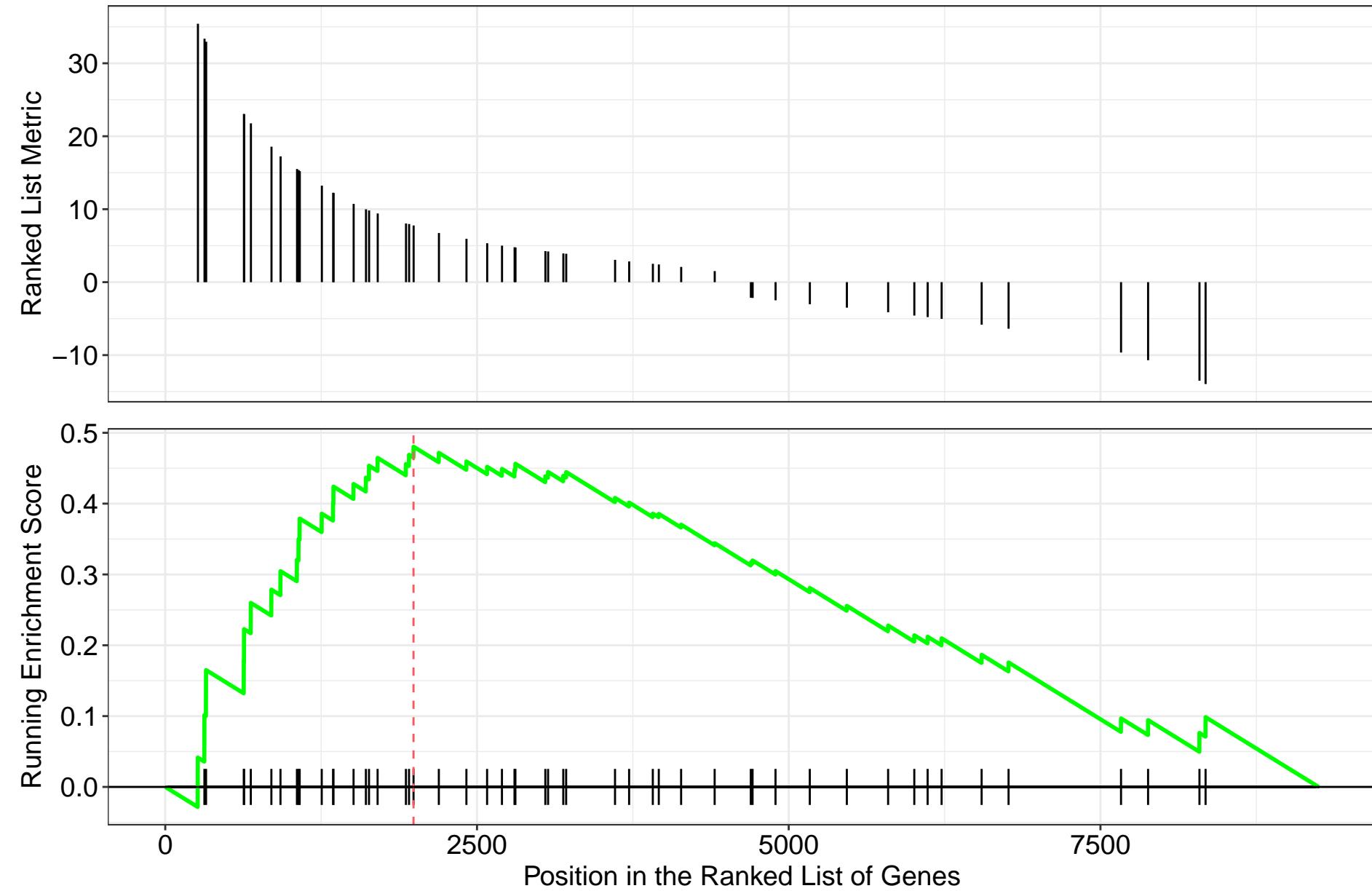
mitotic DNA damage checkpoint signaling



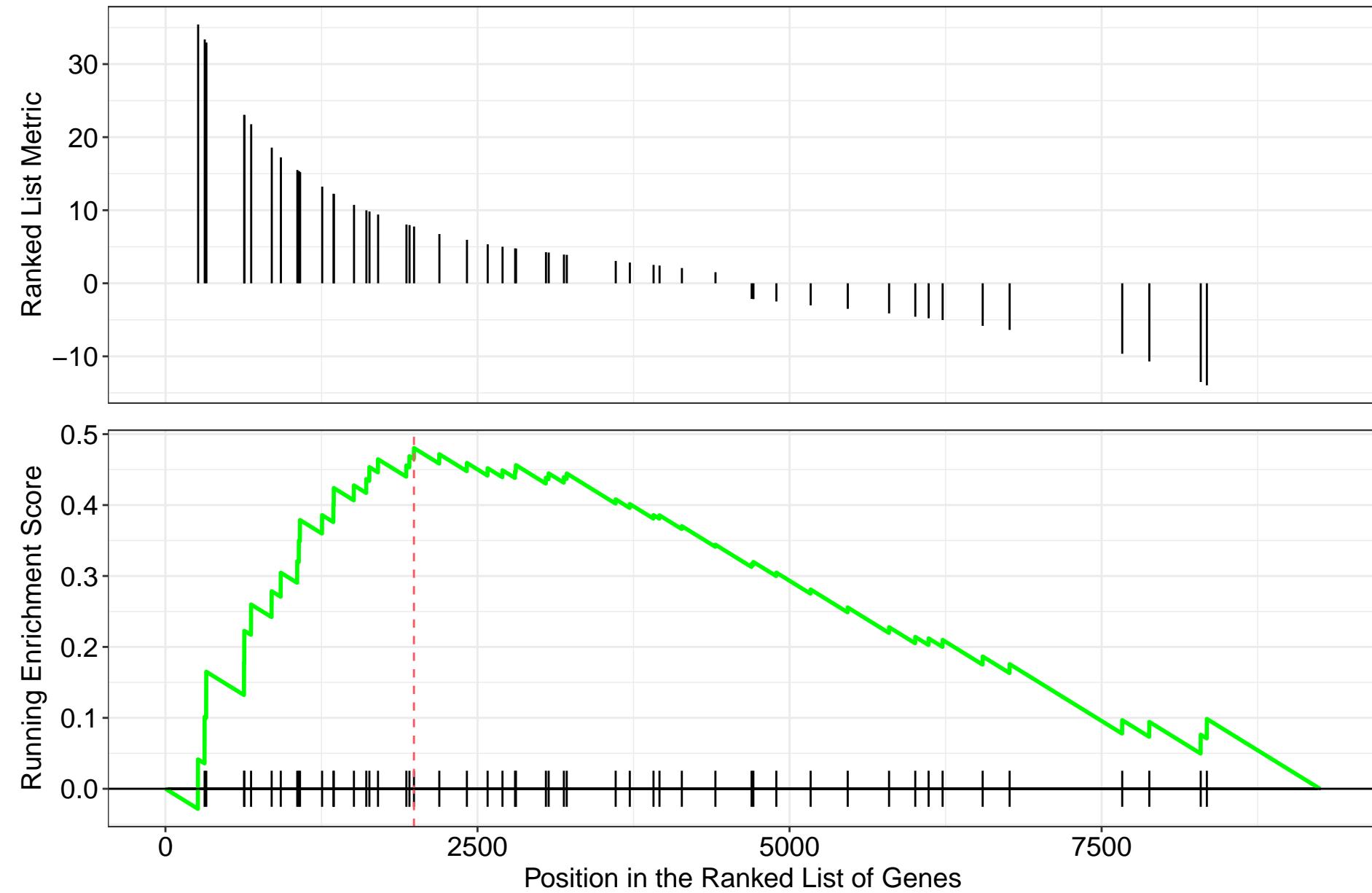
positive regulation of nitric oxide biosynthetic process



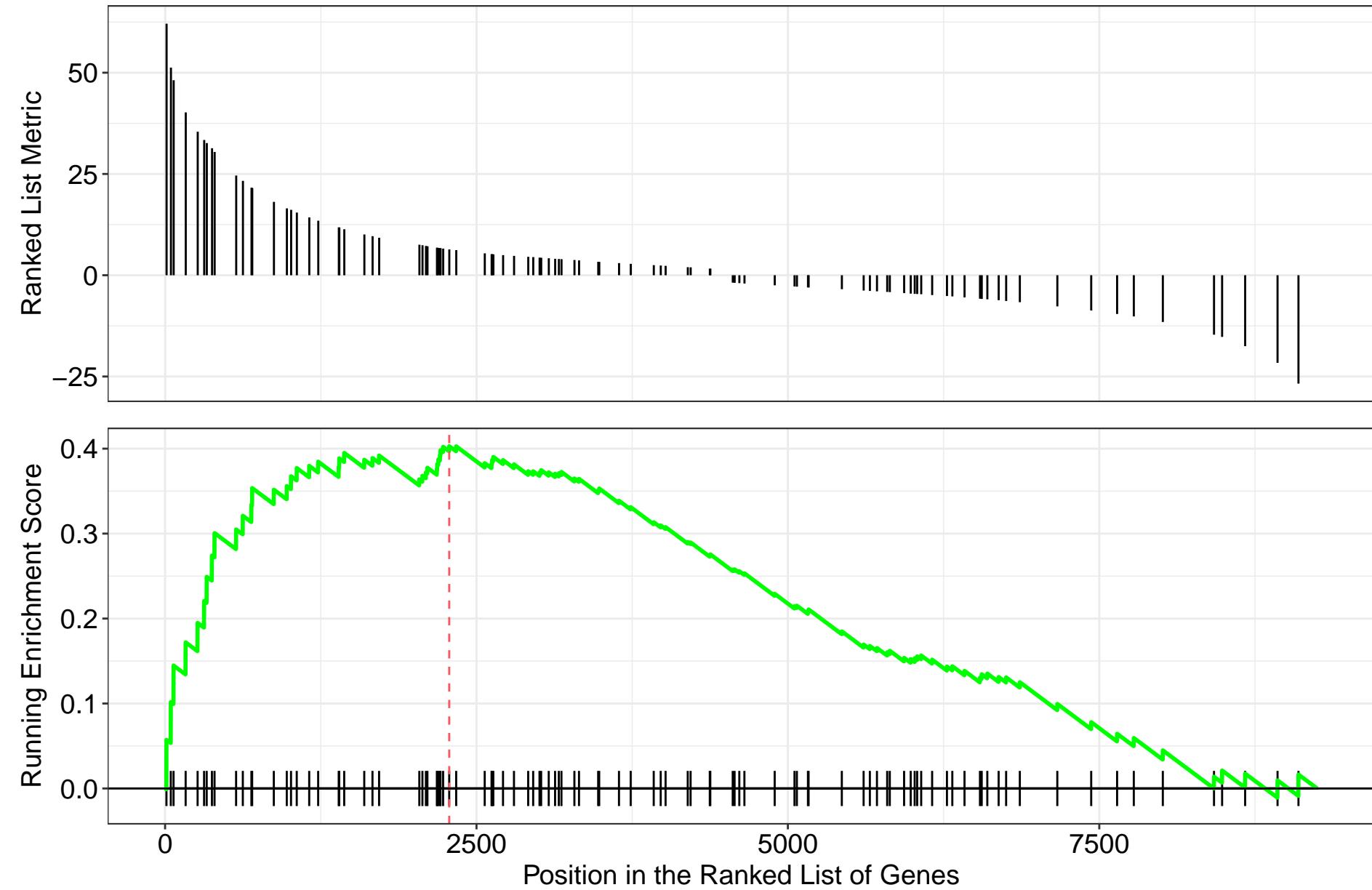
interferon–beta production



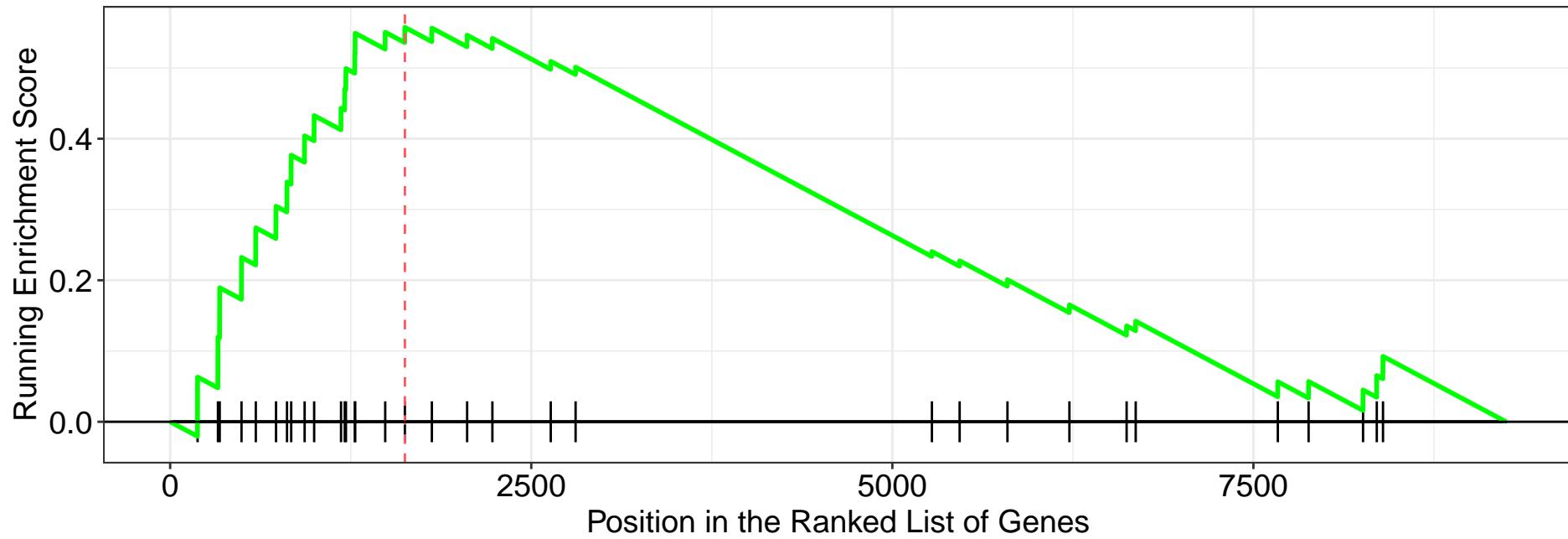
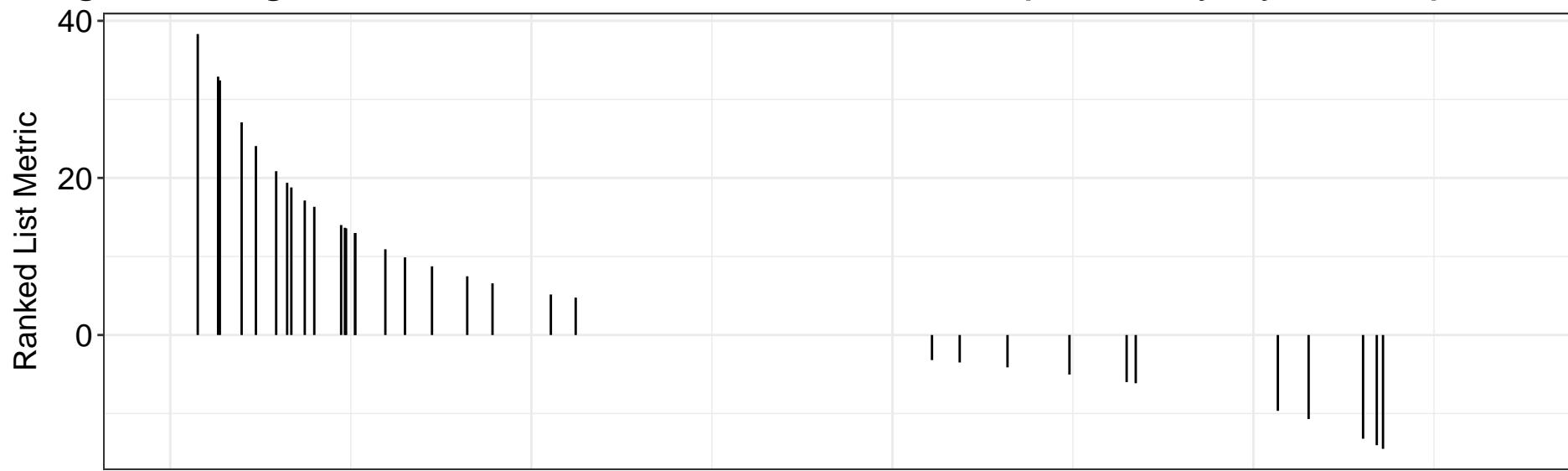
regulation of interferon–beta production



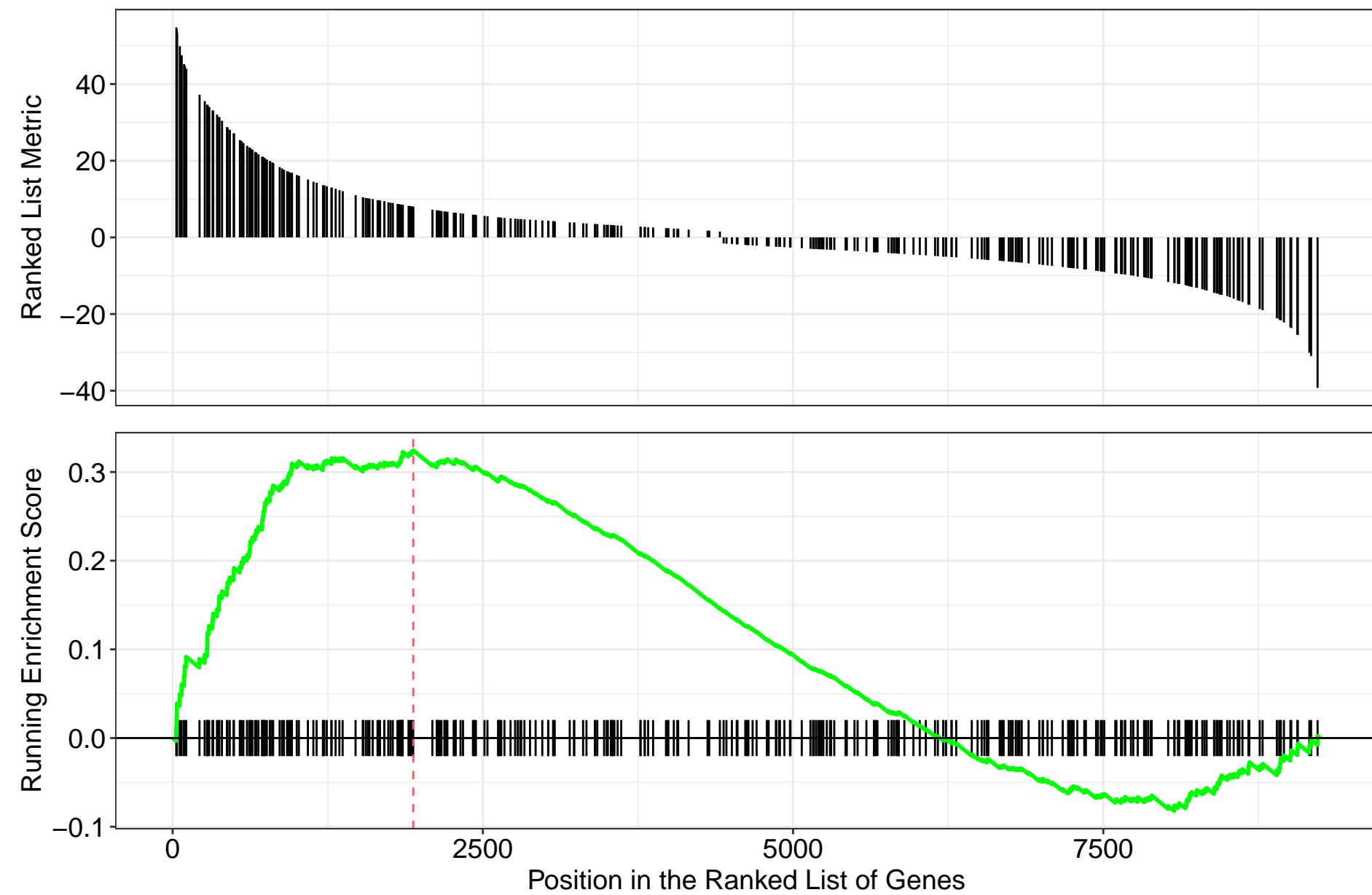
positive regulation of protein–containing complex assembly



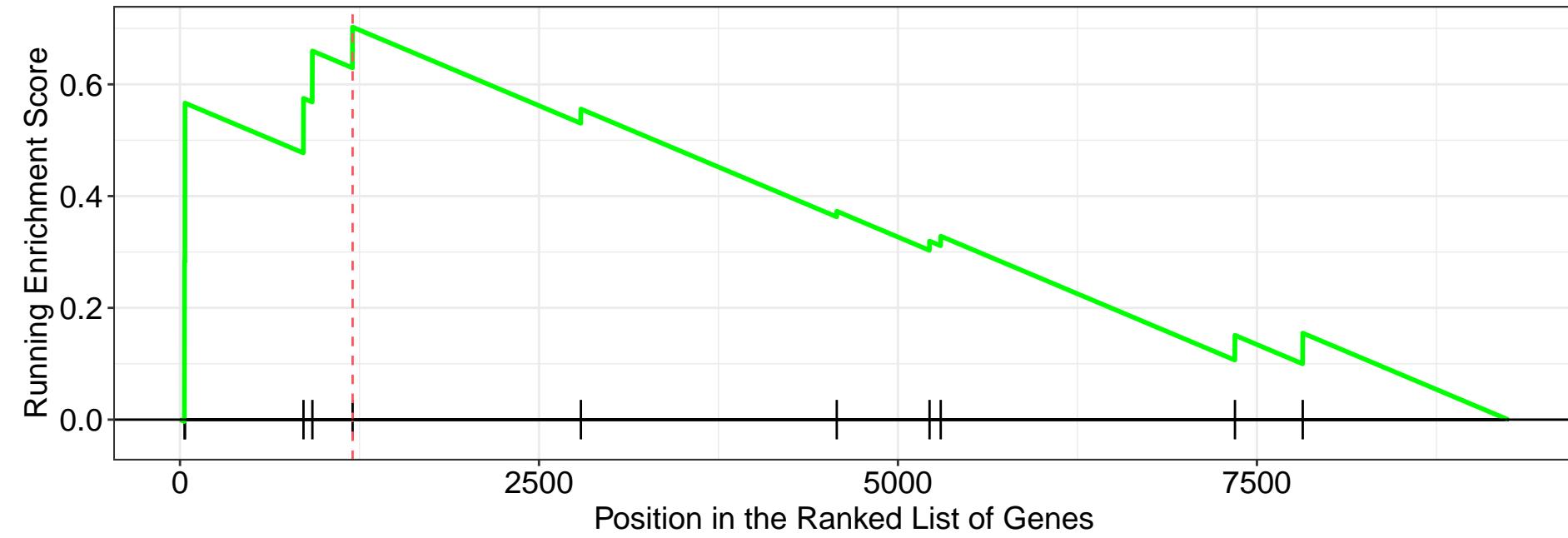
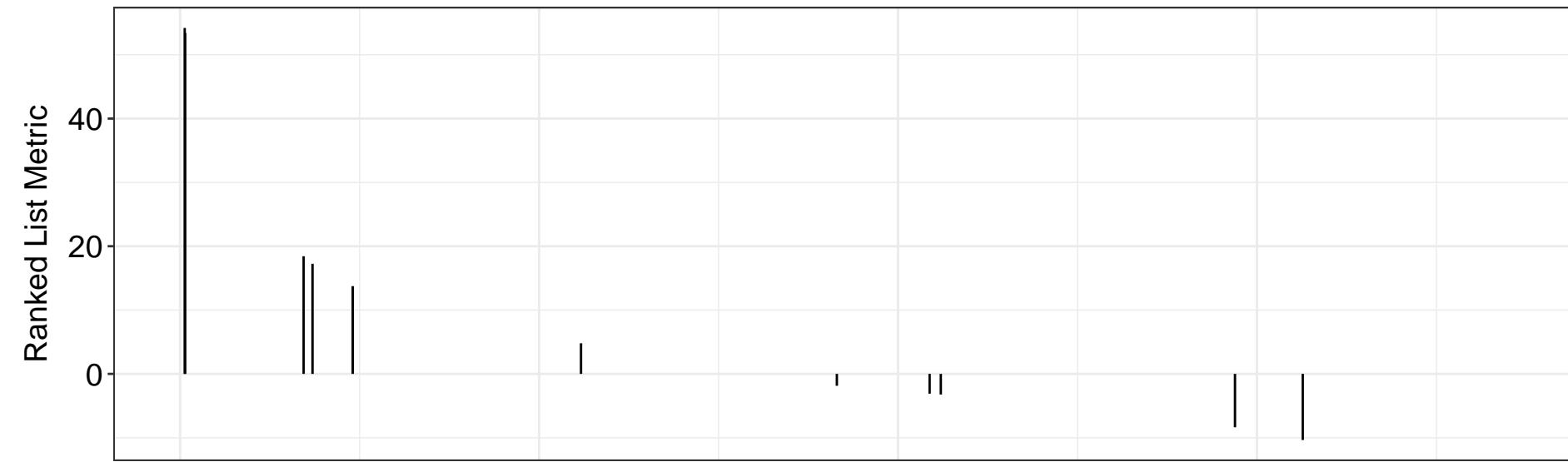
negative regulation of tumor necrosis factor superfamily cytokine production



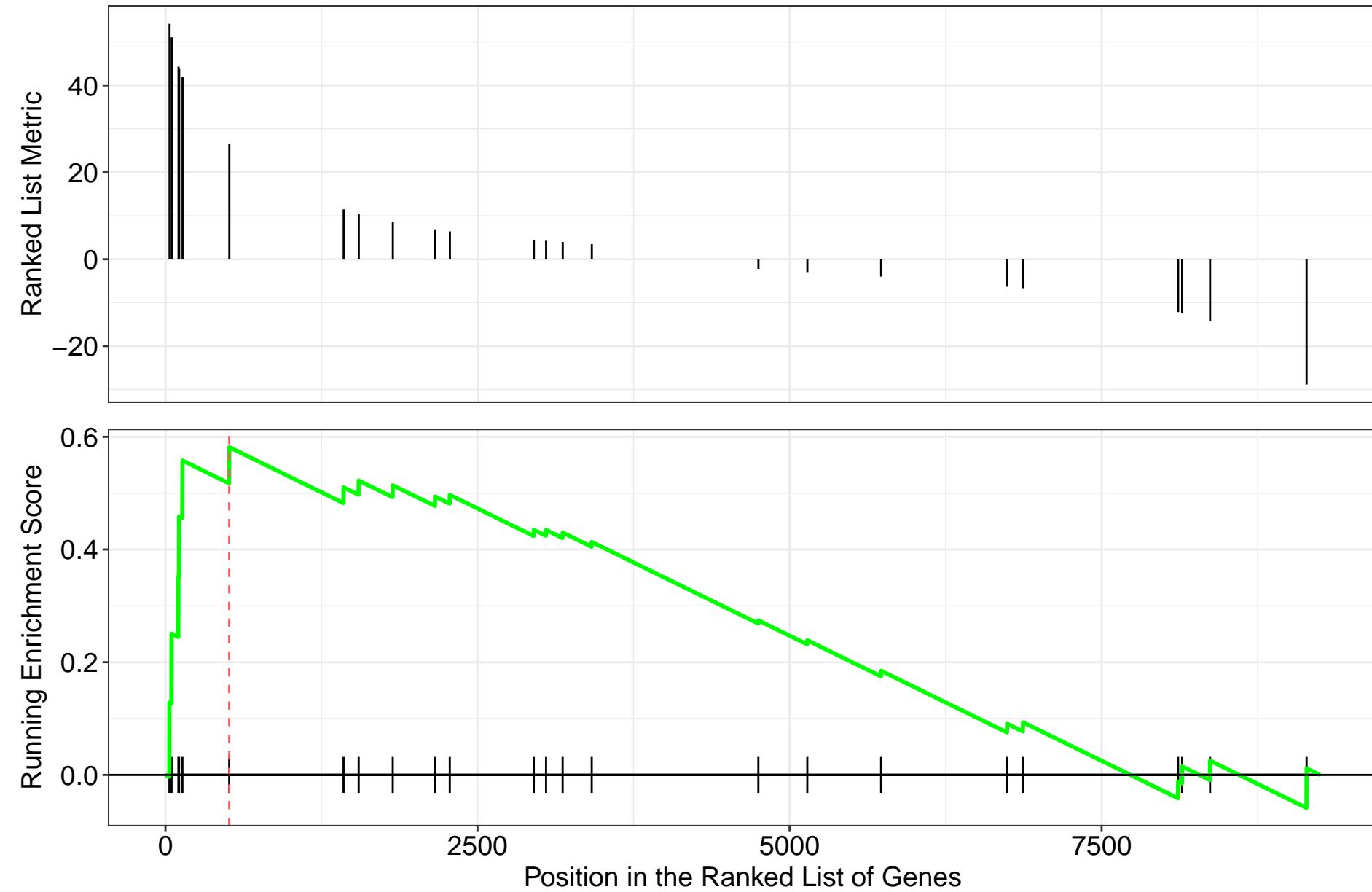
regulation of protein kinase activity



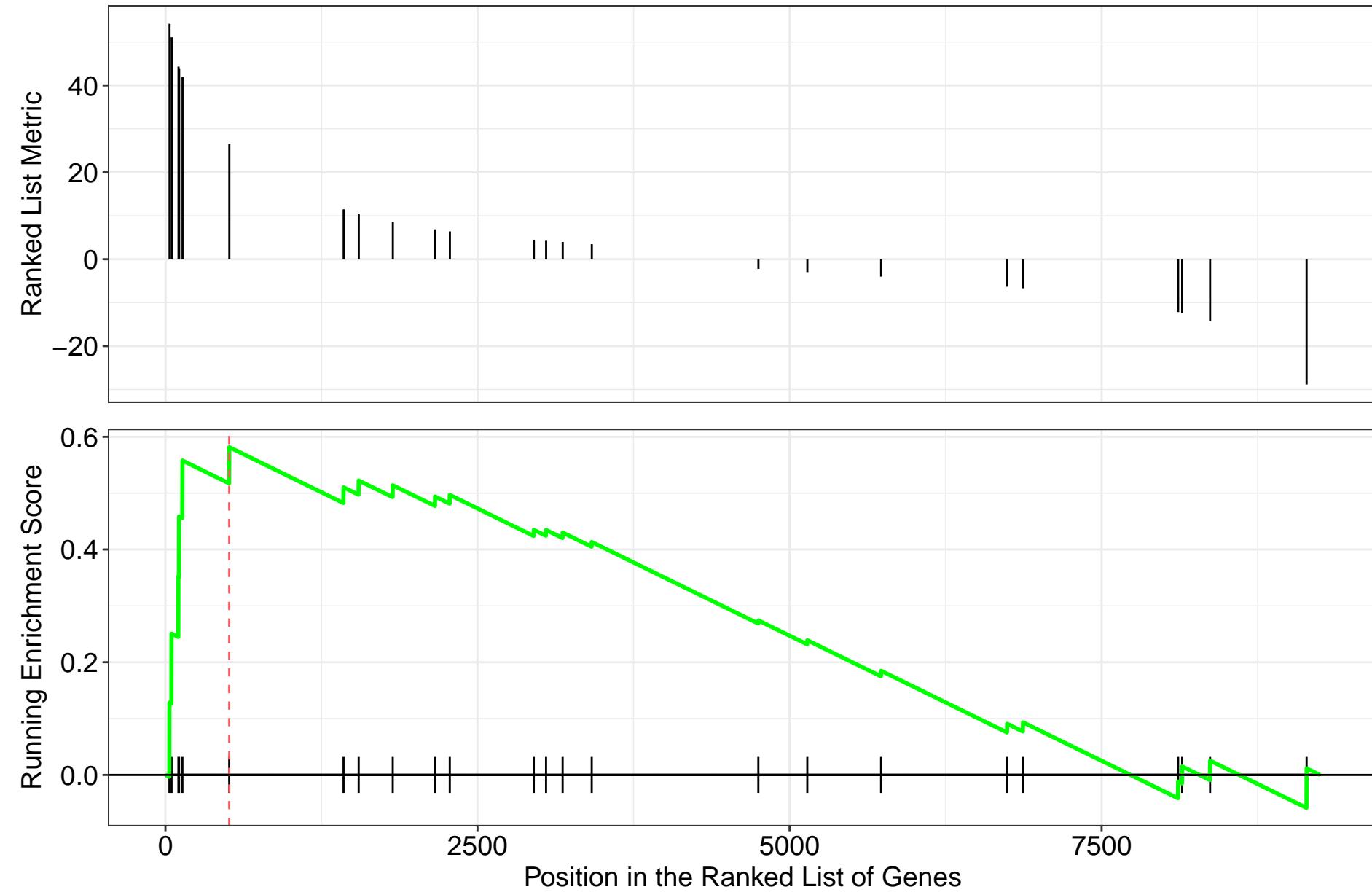
negative regulation of organic acid transport



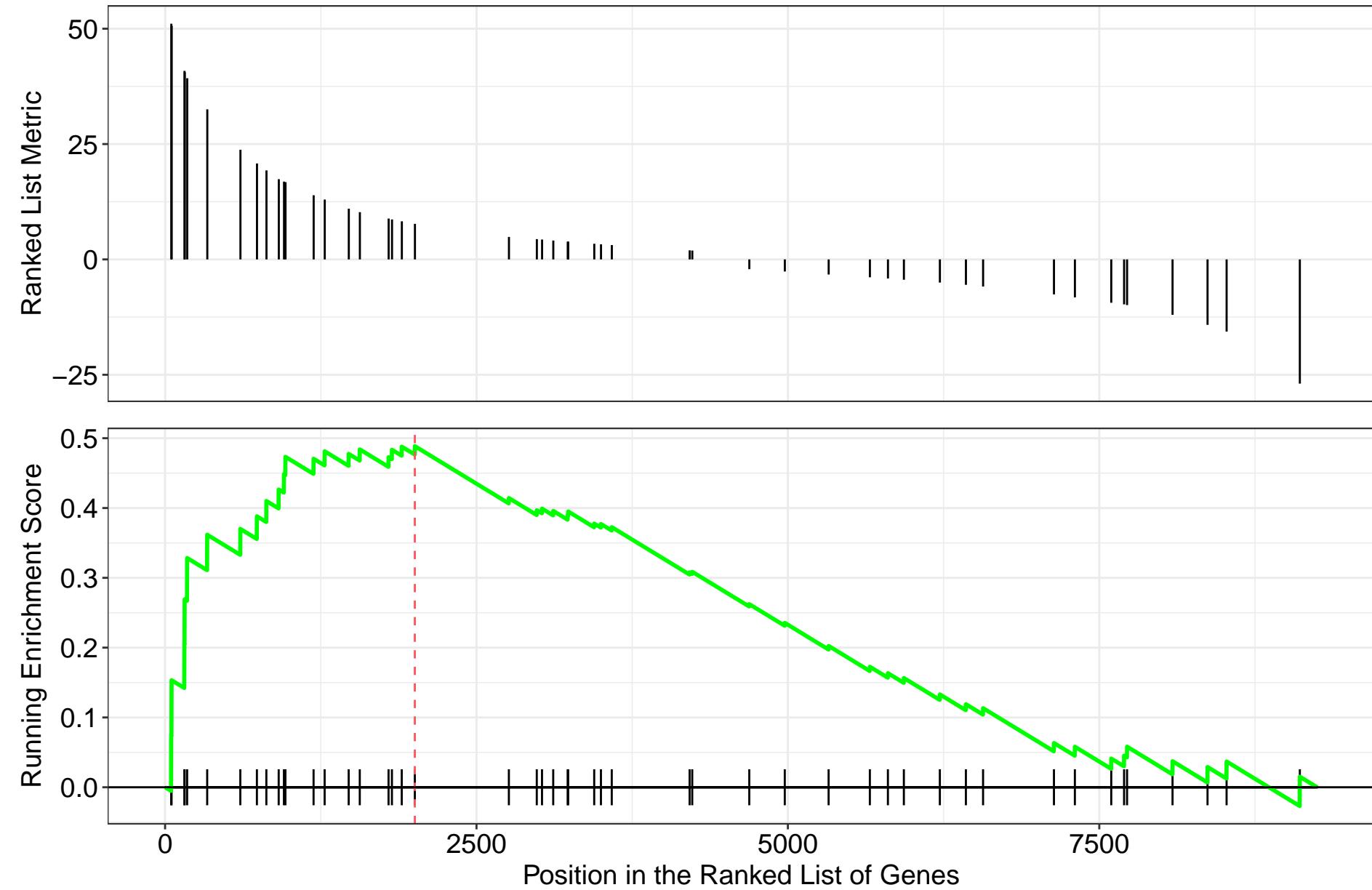
prostanoid metabolic process



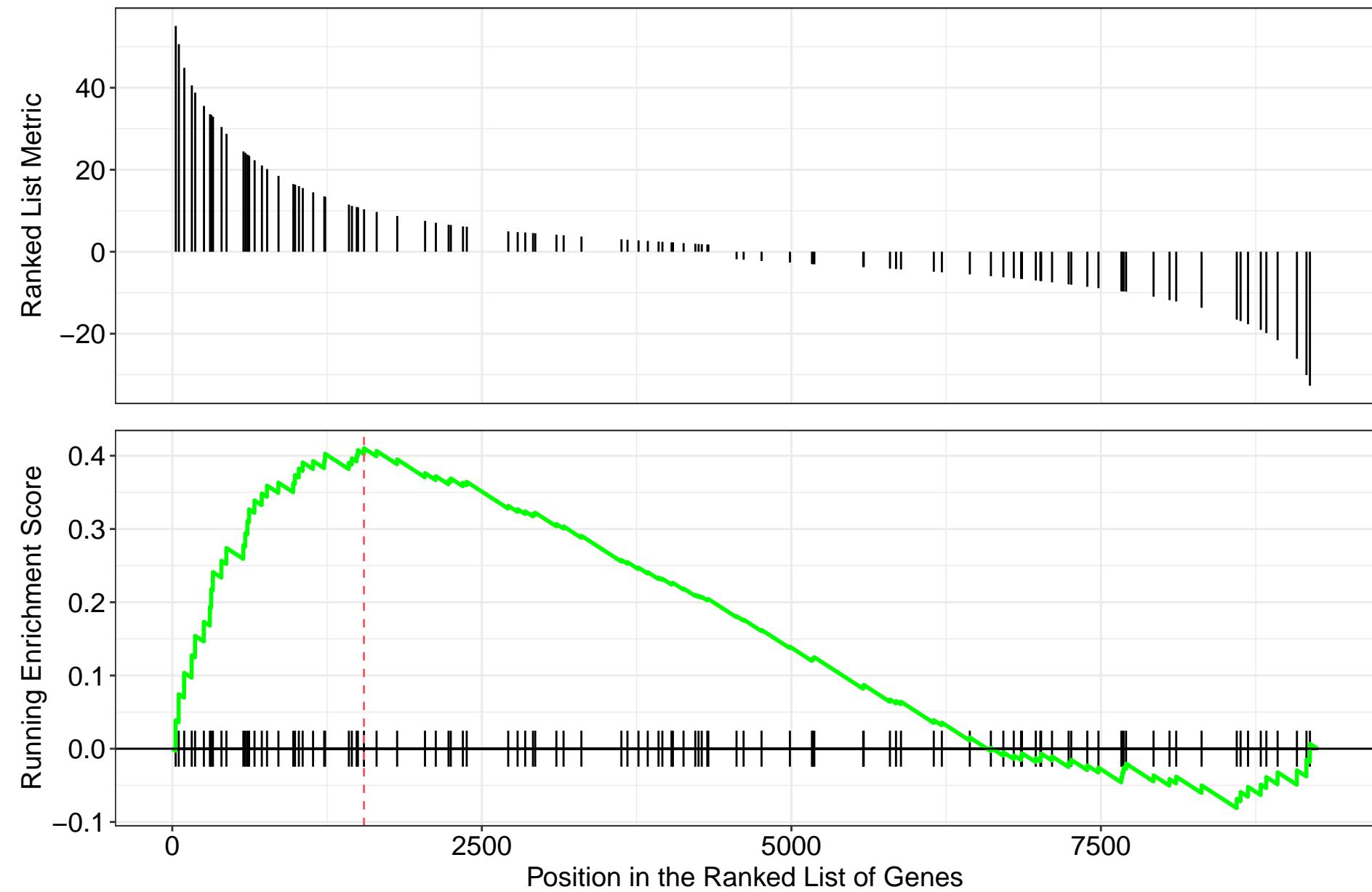
prostaglandin metabolic process



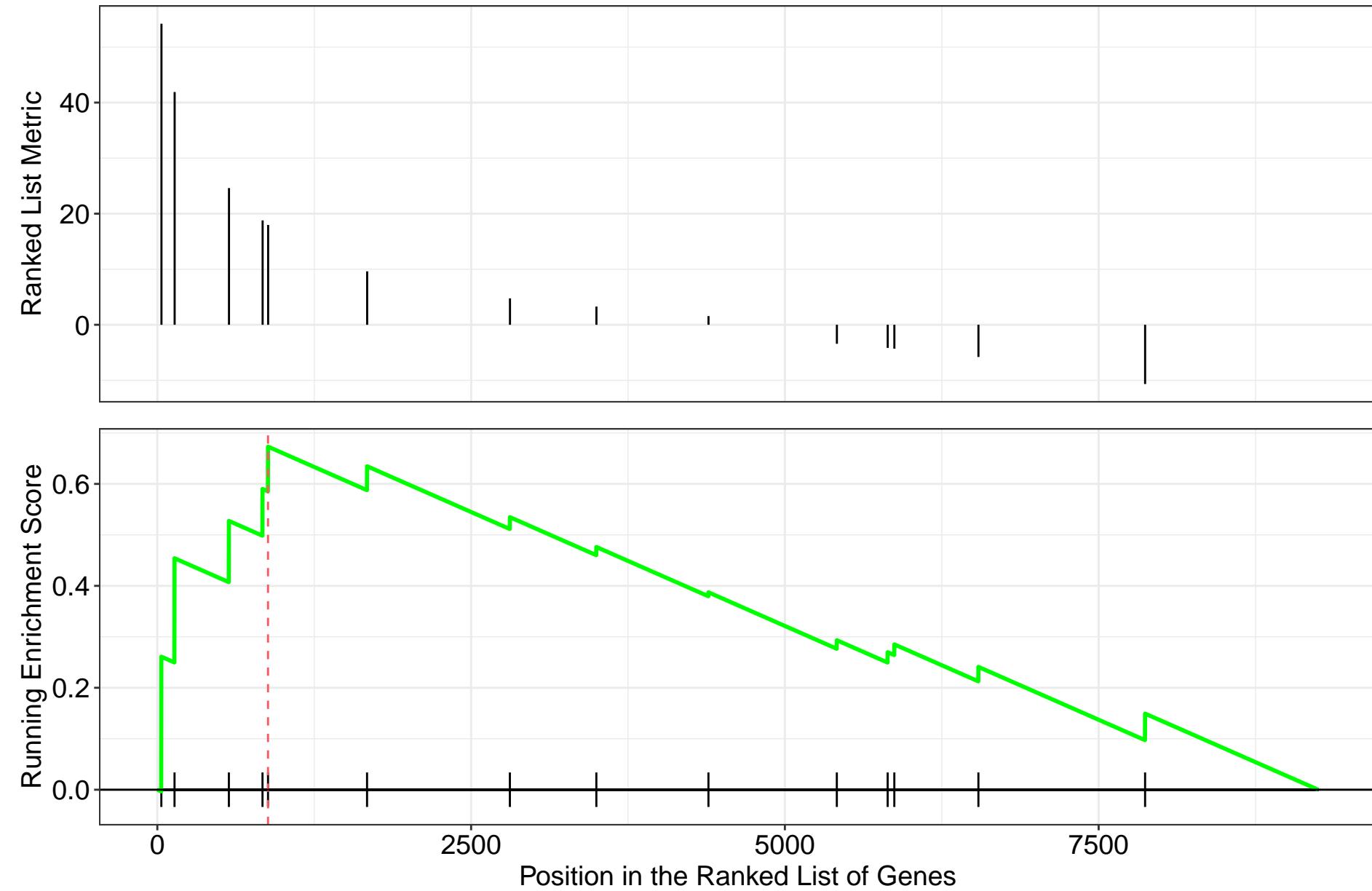
keratinocyte differentiation



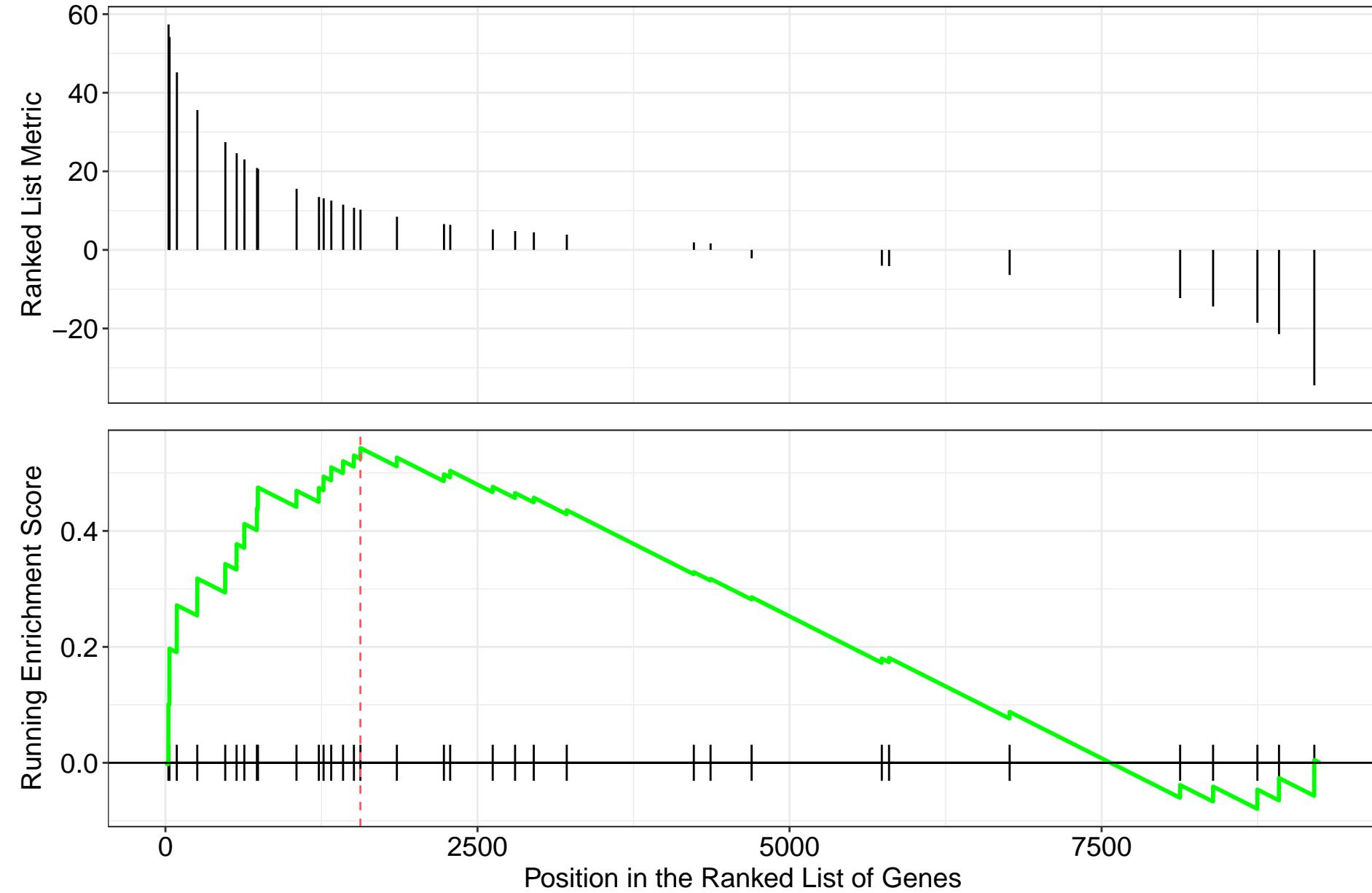
sex differentiation



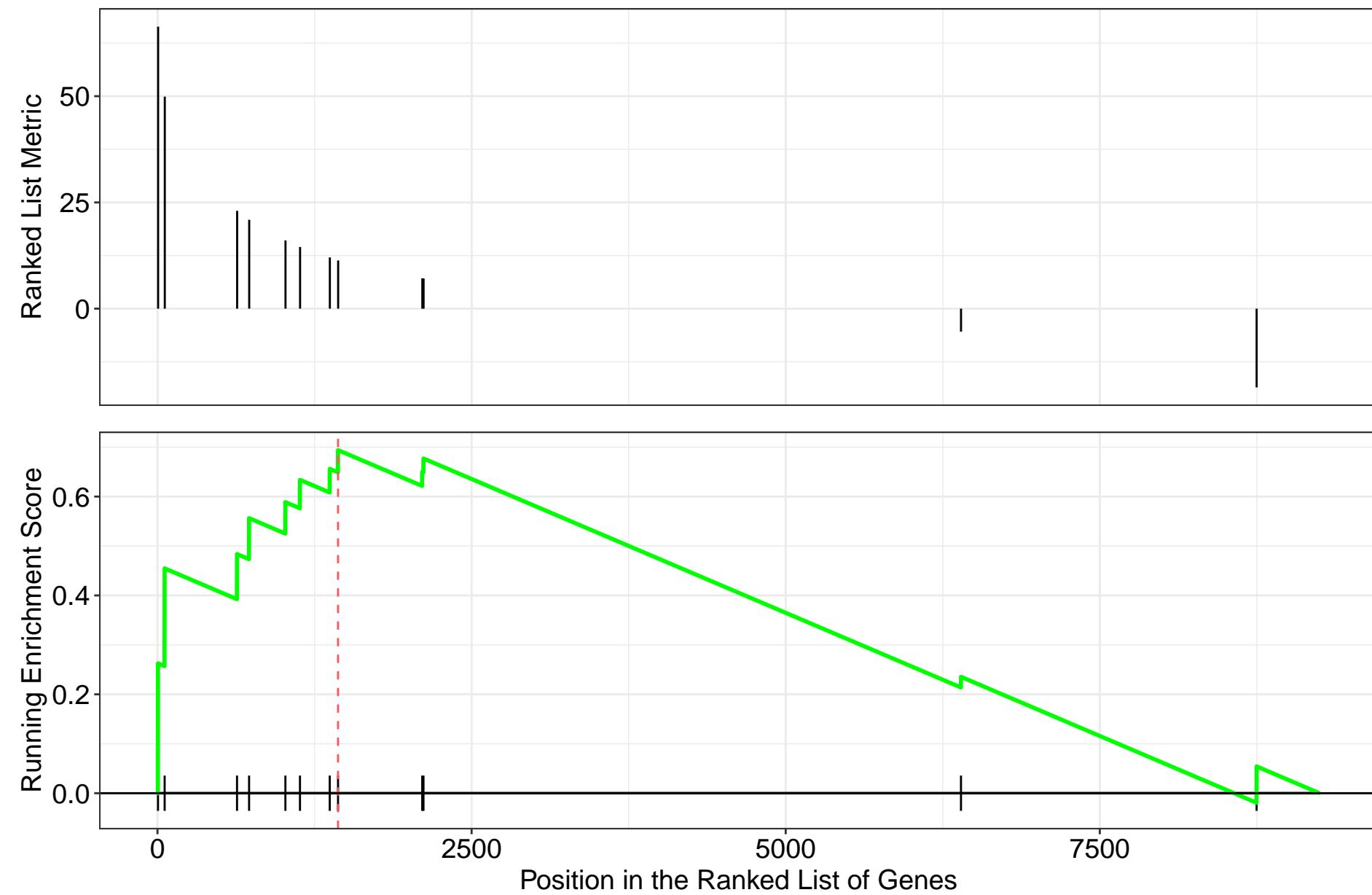
regulation of membrane protein ectodomain proteolysis



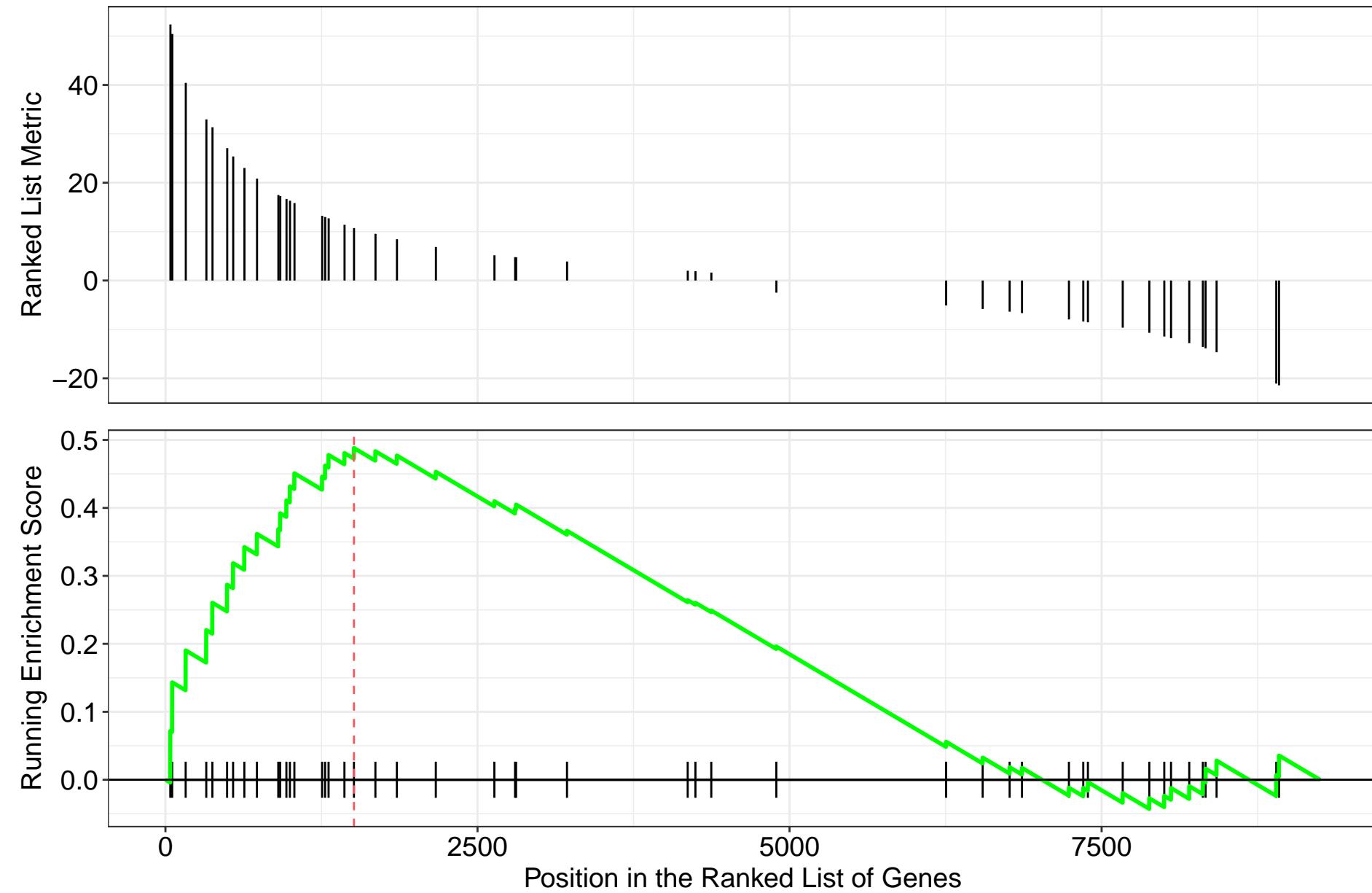
positive regulation of interleukin–8 production



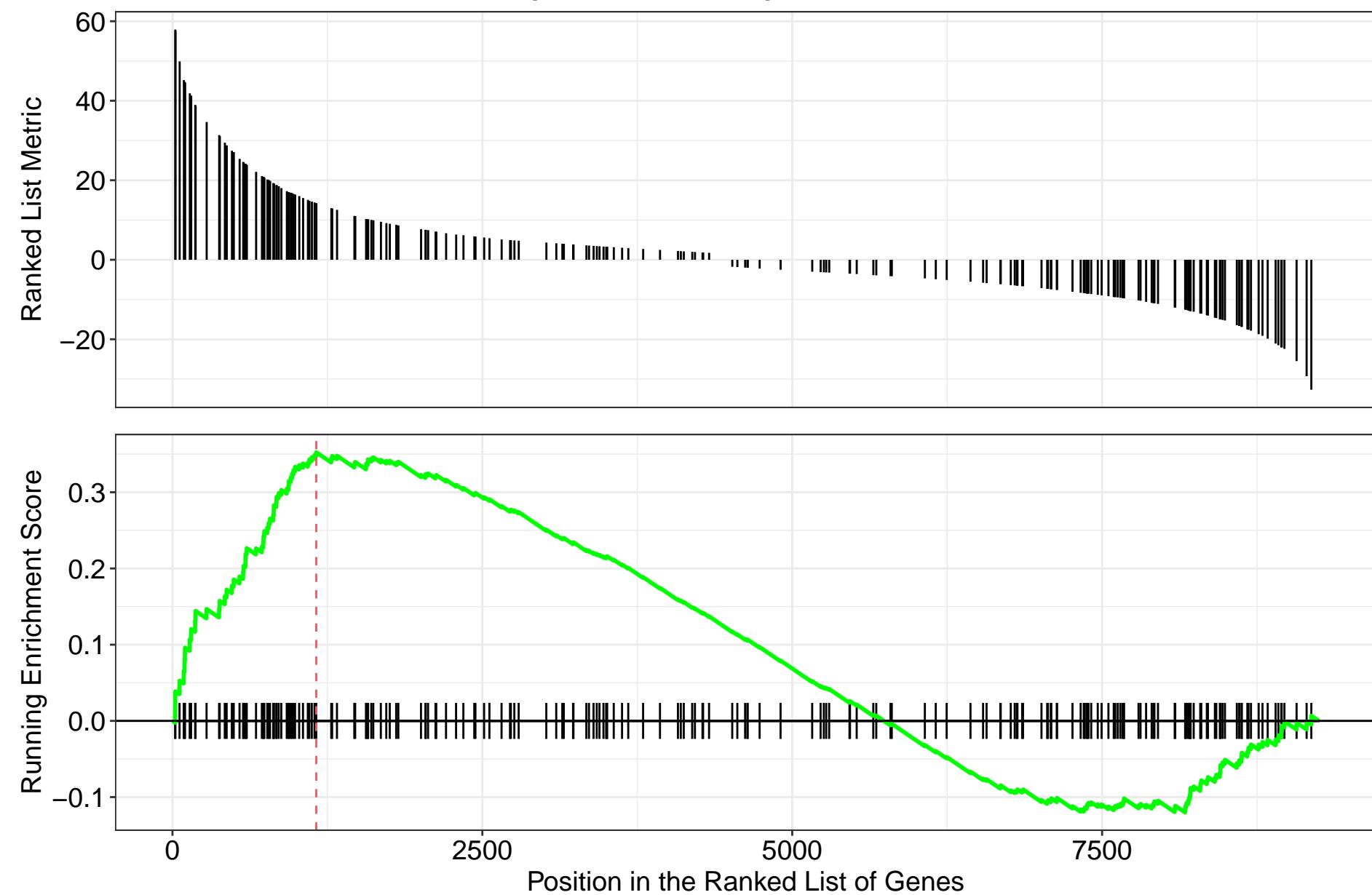
positive regulation of T-helper 17 type immune response



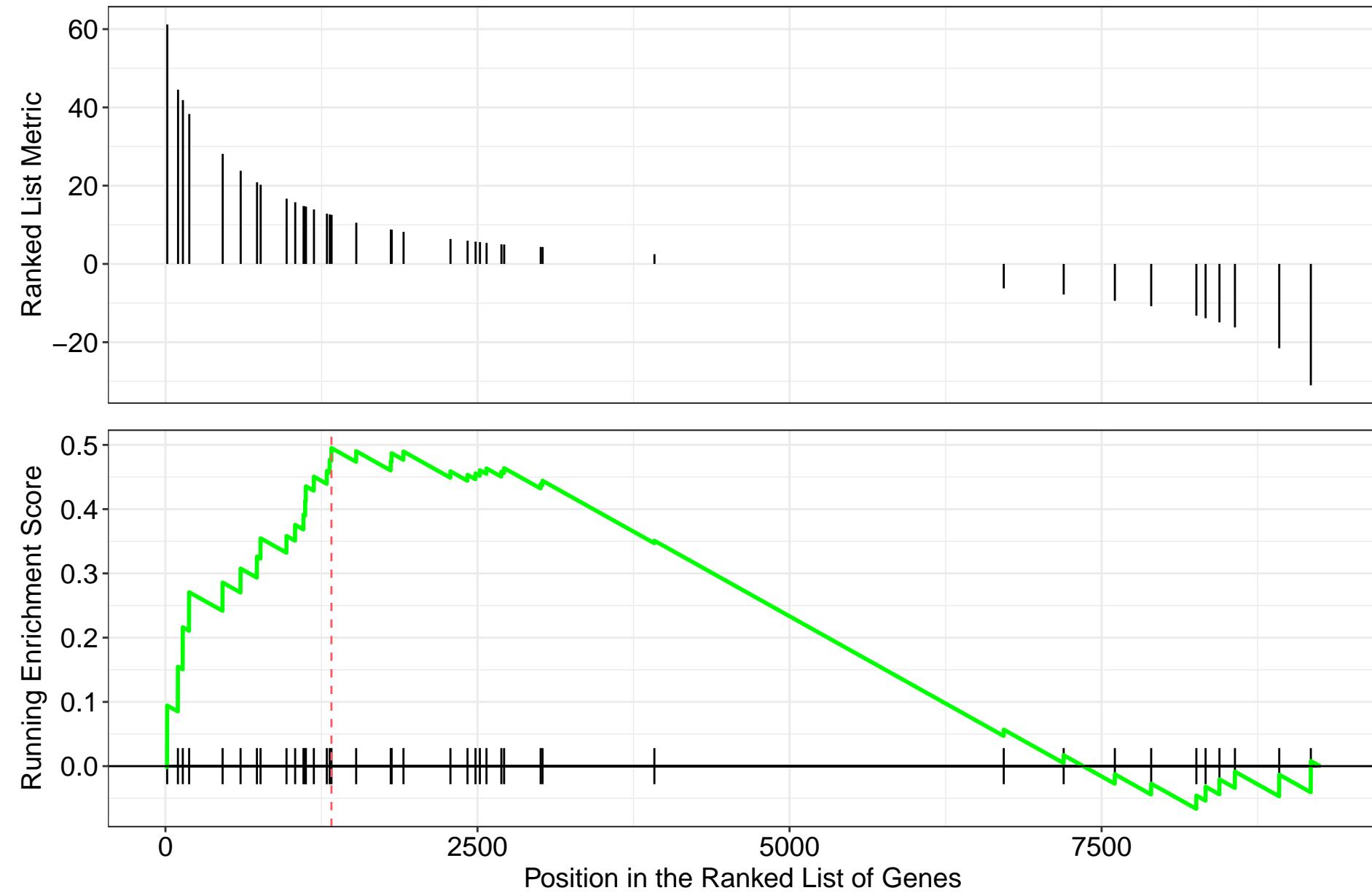
regulation of toll-like receptor signaling pathway



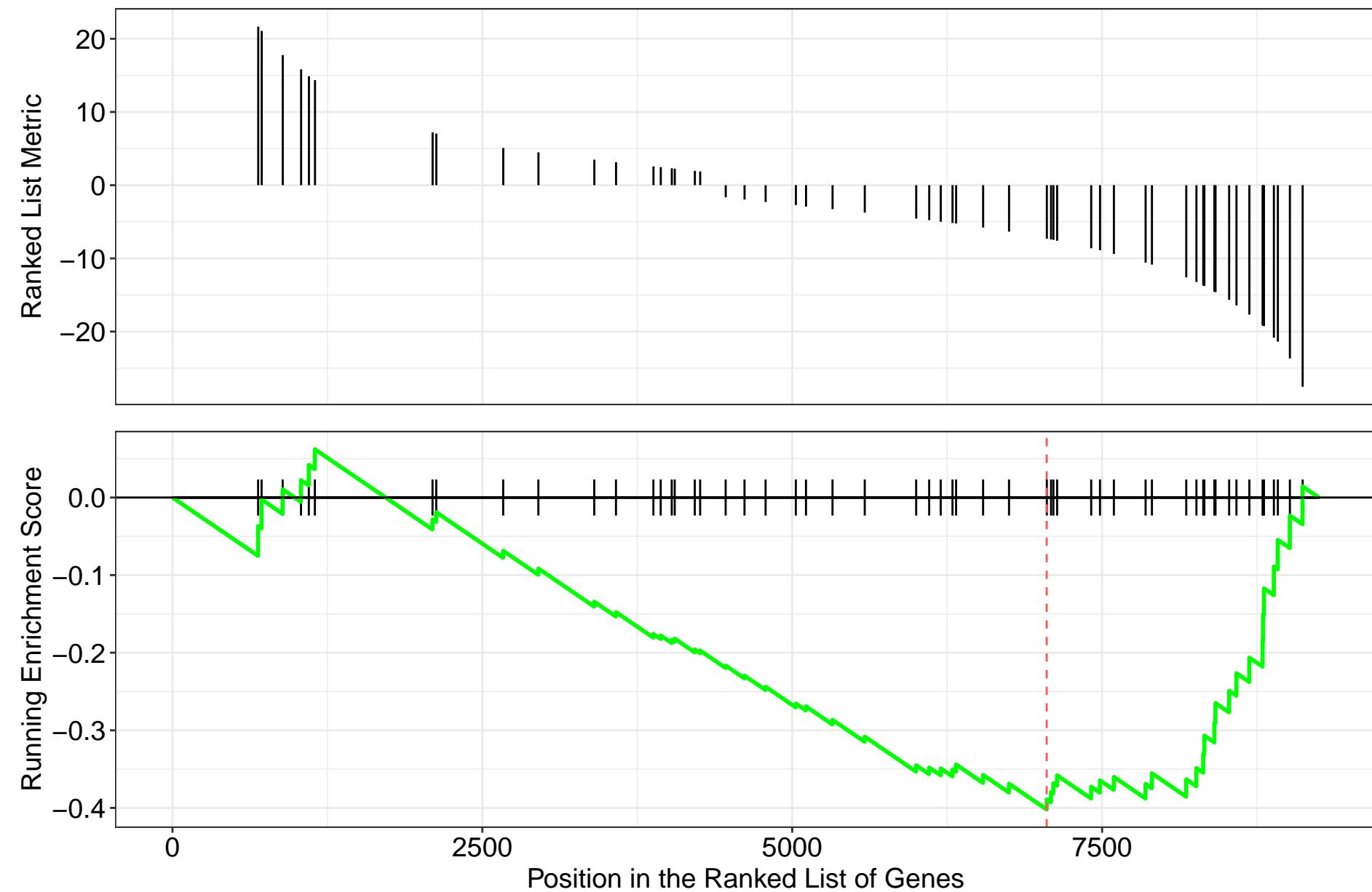
epithelial cell proliferation



negative regulation of leukocyte mediated immunity

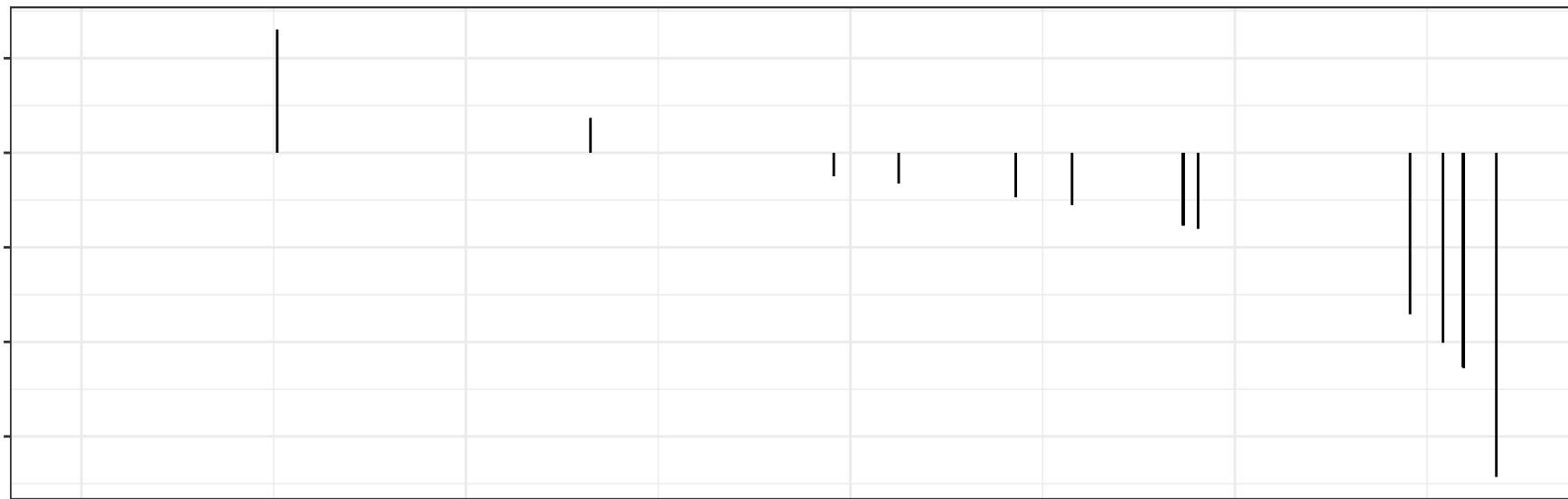


mitotic DNA integrity checkpoint signaling



mitotic sister chromatid cohesion

Ranked List Metric



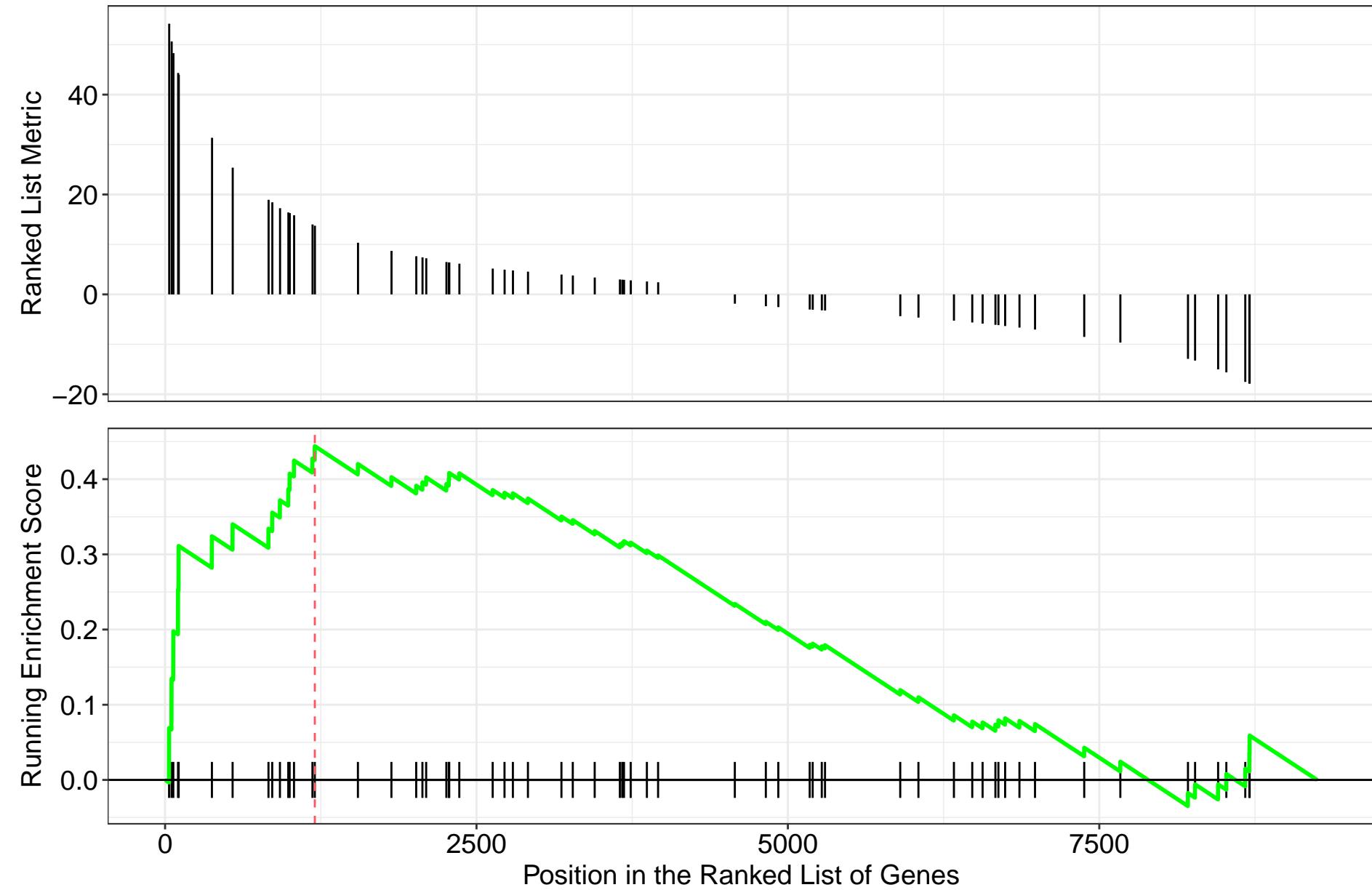
Running Enrichment Score

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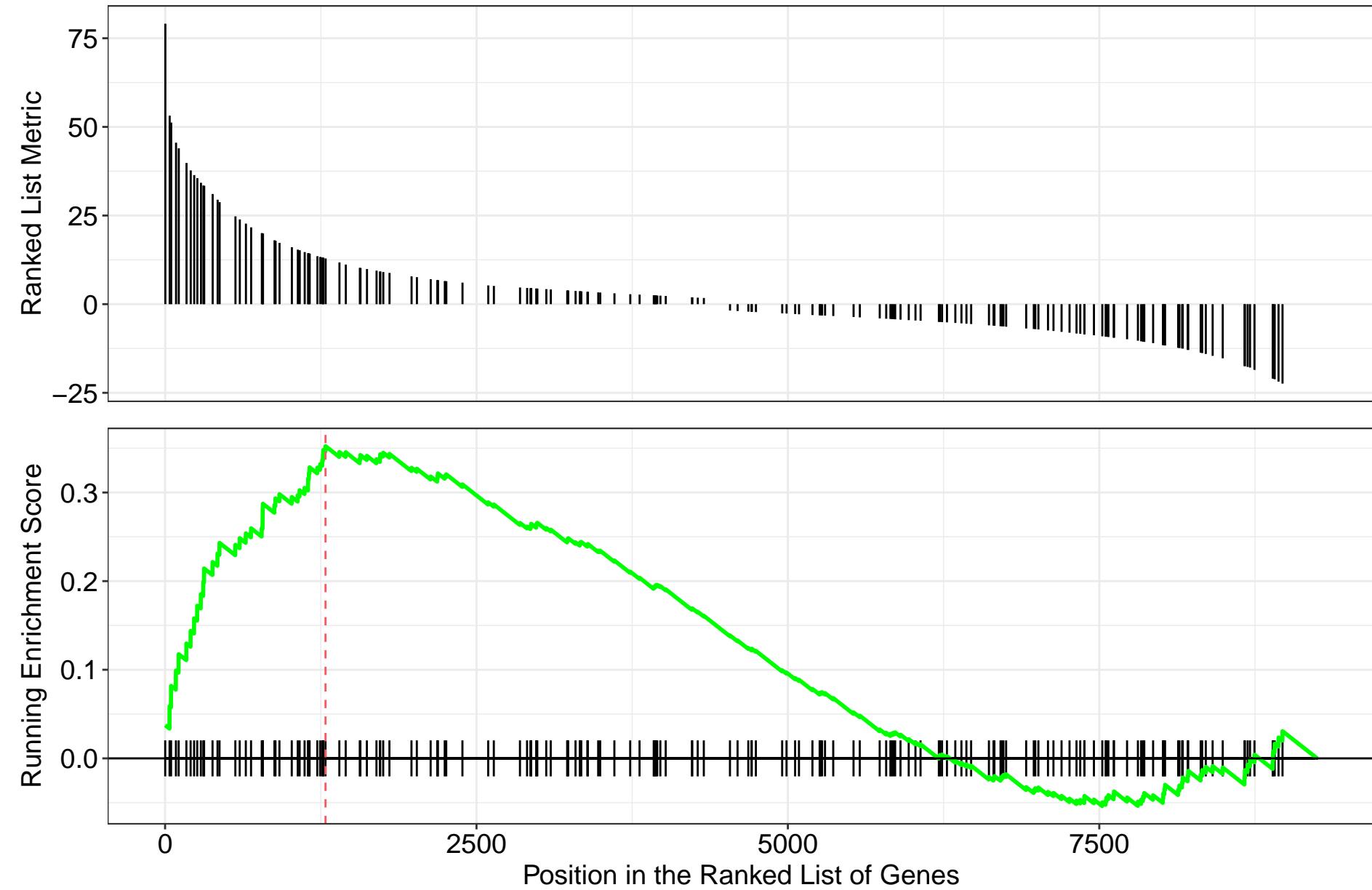
Position in the Ranked List of Genes



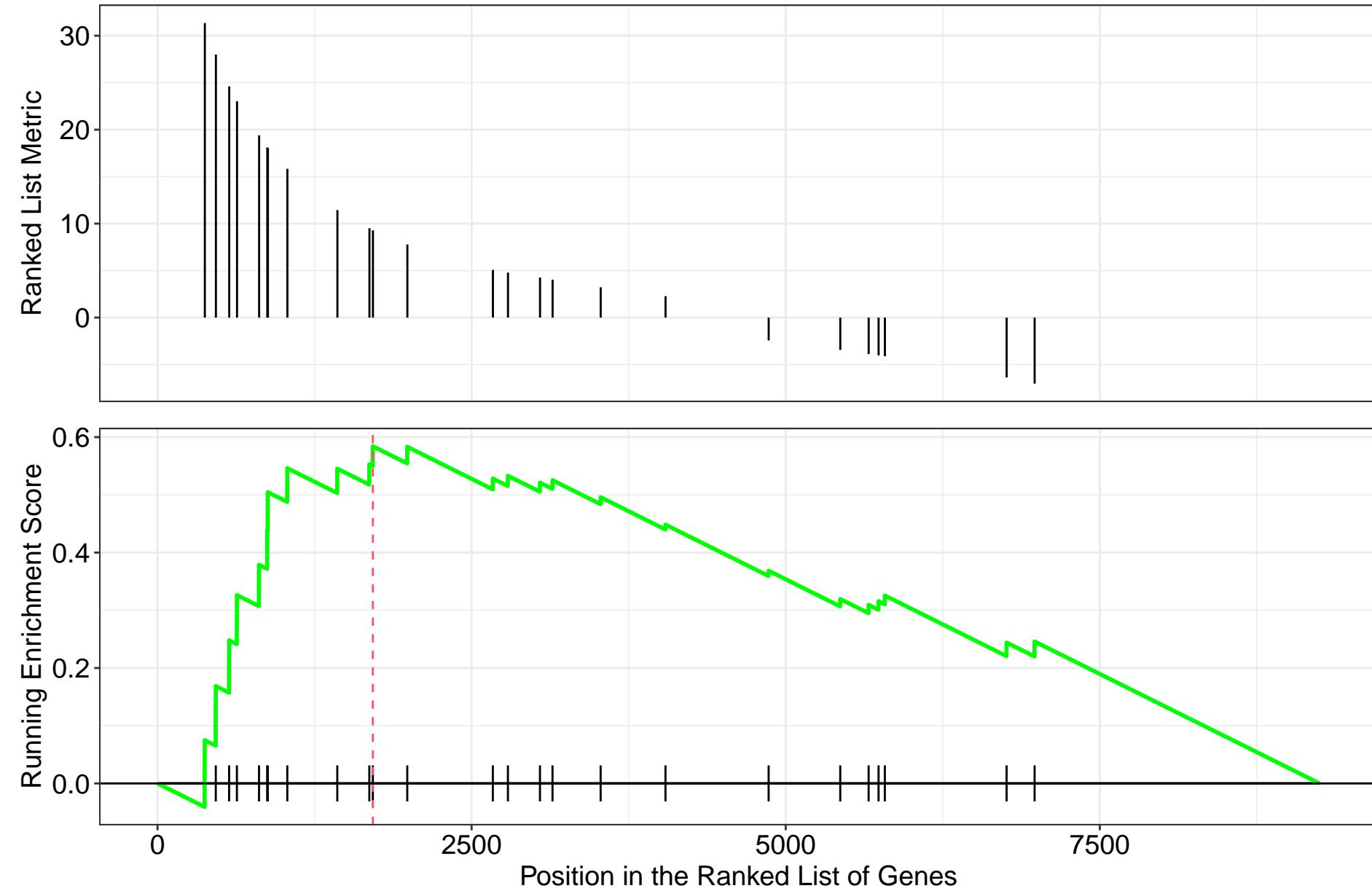
regulation of lipid transport



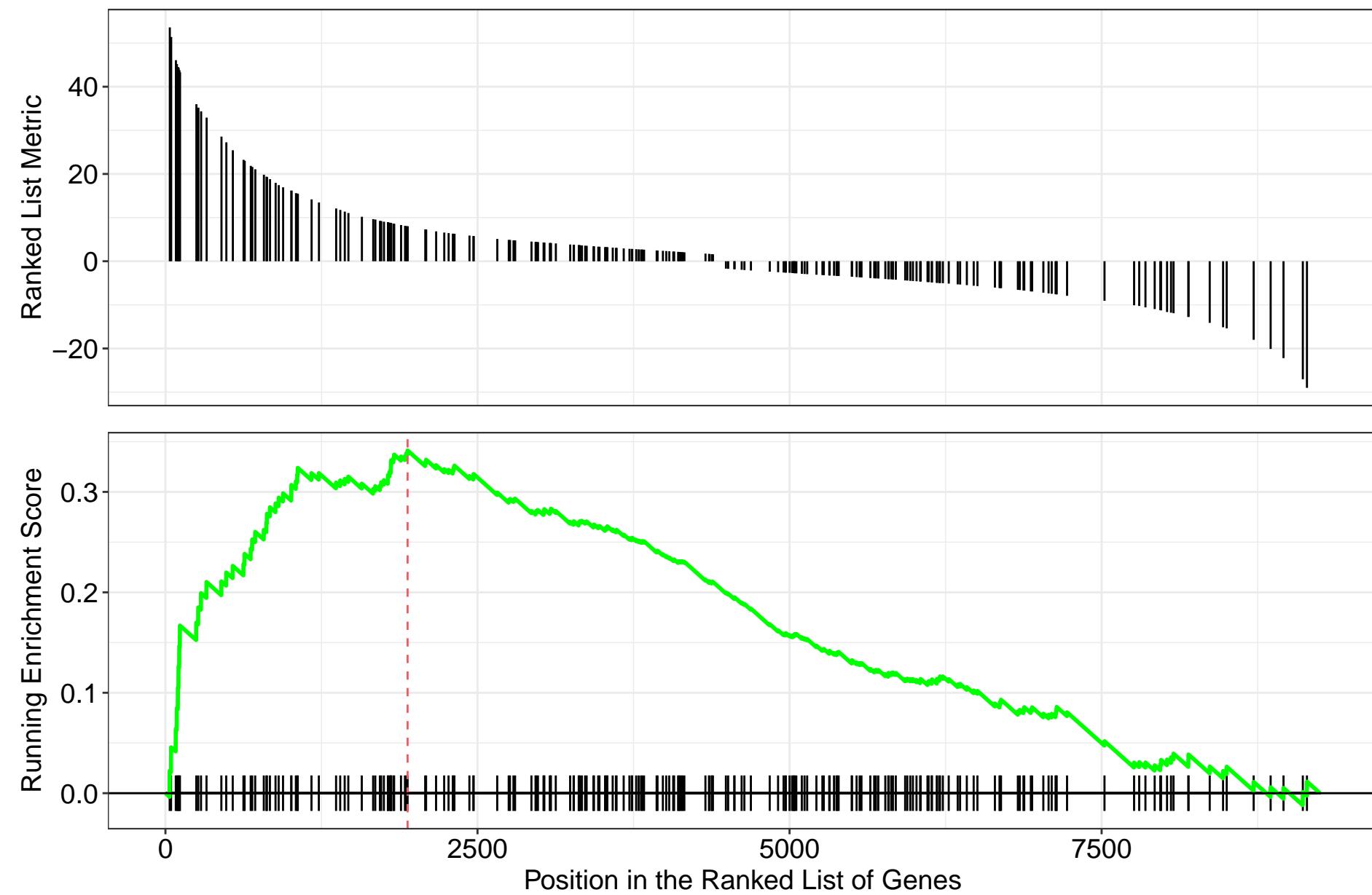
muscle cell differentiation



necroptotic process



cellular nitrogen compound catabolic process



response to hypoxia

