

	DTvsC	
	***	***
response to interferon-beta	***	***
cellular response to interferon-beta	***	***
defense response to virus	***	***
defense response to symbiont	***	***
lymphocyte mediated immunity	***	***
positive regulation of innate immune response	***	**
leukocyte mediated immunity	***	**
positive regulation of immune response	***	**
negative regulation of immune response	***	**
response to interferon-gamma	***	**
adaptive immune response	***	**
response to virus	***	**
regulation of innate immune response	***	**
negative regulation of viral chemotaxis	***	**
positive regulation of lymphocyte mediated immunity	***	*
positive regulation of defense response	***	*
activation of immune response	***	*
positive regulation of leukocyte mediated immunity	***	*
positive regulation of immune response	***	*
activation of innate immune response	***	*
immune response-regulating signaling pathway	***	*
regulation of cell killing	***	*
cellular response to interferon-gamma	***	*
regulation of inflammatory response	***	*
myeloid dendritic cell activation	***	*
regulation of lymphocyte mediated immunity	***	*
regulation of immune effector process	***	*
regulation of leukocyte mediated immunity	***	*
positive regulation of response to biotic stimulus	***	*
leukocyte mediated cytotoxicity	***	*
positive regulation of cell killing	***	*
adaptive immune response based on somatic recombination of T...	***	*
positive regulation of leukocyte mediated cytotoxicity	***	*
immune response-regulating cell surface receptor signaling p...	***	**
immunoglobulin mediated immune response	***	*
production of molecular mediator of immune response	***	*
positive regulation of adaptive immune response based on som...	***	*
antigen processing and presentation	***	*
regulation of adaptive immune response	***	*
cytokine production involved in immune response	***	*
regulation of adaptive immune response based on somatic re...	***	*
regulation of leukocyte mediated cytotoxicity	***	*
myeloid leukocyte activation	***	*
positive regulation of adaptive immune response	***	*
type I cell mediated immunity	***	*
immune response-activating signal transduction	***	*
leukocyte activation involved in immune response	***	*
immune response-activating cell surface receptor signaling p...	***	**
negative regulation of immune response	***	*
interleukin-1 production	***	*
cellular response to lipopolysaccharide	***	*
cell activation involved in immune response	***	*
positive regulation of response to external stimulus	***	*
regulation of viral genome replication	***	*
positive regulation of natural killer cell mediated cytotoxic...	***	*
eosinophil chemotaxis	***	*
cytokine-mediated signaling pathway	***	*
positive regulation of interferon-beta production	***	*
antigen processing and presentation of peptide antigen	***	*
positive regulation of cytokine production	***	*
negative regulation of immune system process	***	*
regulation of inflammatory response	***	*
immunoglobulin production	***	*
positive regulation of immunoglobulin mediated immune respon...	***	*
positive regulation of B cell mediated immunity	***	*
defense response to protozoan	***	*
interferon-gamma	***	*
positive regulation of natural killer cell mediated immunity	***	*
regulation of interferon-gamma production	***	*
regulation of interleukin-1 production	***	*
response to interferon-alpha	***	*
positive regulation of inflammatory response	***	*
natural killer cell activation	***	*
regulation of viral life cycle	***	*
natural killer cell mediated immunity	***	*
regulation of nuclease activity	***	*
interleukin-1 beta production	***	*
receptor signaling pathway via JAK-STAT	***	*
receptor signaling pathway via JAK-STAT	***	*
natural killer cell mediated cytotoxicity	***	*
regulation of interleukin-10 production	***	*
lymphocyte activation involved in immune response	***	*
regulation of T cell mediated immunity	***	*
negative regulation of immune effector process	***	*
pattern recognition receptor signaling pathway	***	*
regulation of cytokine production involved in immune response	***	*
regulation of leukocyte proliferation	***	*
cellular response to molecule of bacterial origin	***	*
monocyte chemotaxis	***	*
positive regulation of type I interferon production	***	*
production of molecular mediator of immune response	***	*
regulation of immunoglobulin production	***	*
positive regulation of phagocytosis	***	*
regulation of production of molecular mediator of immune res...	***	*
cellular response to interferon-gamma	***	*
tyrosine phosphorylation of STAT protein	***	*
mast cell activation	***	*
response to type I interferon	***	*
regulation of viral life cycle	***	*
positive regulation of immunoglobulin mediated immune response	***	*
regulation of B cell mediated immunity	***	*
mononuclear cell migration	***	*
regulation of tyrosine phosphorylation of STAT protein	***	*
killing of cells of another organism	***	*
lymphocyte migration	***	*
phagocytosis	***	*
interleukin-1 production	***	*
cellular response to biotic stimulus	***	*
regulation of response to cytokine stimulus	***	*
regulation of natural killer cell mediated immunity	***	*
positive regulation of T cell mediated cytotoxicity	***	*
regulation of phagocytosis	***	*
regulation of cytokine-mediated signaling pathway	***	*
regulation of type I interferon production	***	*
positive regulation of alpha-beta T cell mediated immunity	***	*
innate immune response-activating signal transduction	**	*
negative regulation of cytokine production	**	*
interferon-alpha production	**	*
regulation of interferon-alpha production	**	*
regulation of natural killer cell mediated immunity	**	*
tumor necrosis factor production	**	*
positive regulation of interferon-gamma production	**	*
antigen receptor-mediated signaling pathway	**	*
positive regulation of lymphocyte proliferation	**	*
negative regulation of viral life cycle	**	*
regulation of interferon-beta production	**	*
interferon-beta production	**	*
positive regulation of leukocyte activation	**	*
type I interferon production	**	*
T cell activation involved in immune response	**	*
regulation of tumor necrosis factor production	**	*
regulation of acute inflammatory response	**	*
viral genome replication	**	*
tumor necrosis factor superfamily cytokine production	**	*
neuroinflammatory response	**	*
antigen processing and presentation of exogenous antigen	**	*
alpha-beta T cell activation	**	*
regulation of lymphocyte proliferation	**	*
toll-like receptor 4 signaling pathway	**	*
positive regulation of cell activation	**	*
regulation of tumor necrosis factor superfamily cytokine pro...	**	*
humoral immune response mediated by circulating immunoglobul...	**	*
negative regulation of B cell differentiation	**	*
regulation of mononuclear cell proliferation	**	*
T cell activation	**	*
positive regulation of leukocyte cell activation	**	*
lymphocyte costimulation	**	*
regulation of lymphocyte activation	**	*
negative regulation of leukocyte mediated immunity	**	*
negative regulation of interleukin-10 production	**	*
response to lipopolysaccharide	**	*
positive regulation of interleukin-1 production	**	*
myeloid cell activation involved in immune response	**	*
response to protozoan	**	*
organ or tissue specific immune response	**	*
negative regulation of defense response	**	*
CD8-positive, alpha-beta T cell activation	**	*
innate immune response activating cell surface receptor sign...	**	*
immunoglobulin production involved in immunoglobulin mediat...	**	*
regulation of natural killer cell activation	**	*
leukocyte proliferation	**	*
positive regulation of peptidyl-tyrosine phosphorylation	**	*
positive regulation of leukocyte proliferation	**	*
positive regulation of acute inflammatory response	**	*
dendritic cell differentiation	**	*
negative regulation of adaptive immune response	**	*
leukocyte degranulation	**	*
positive regulation of interleukin-1 beta production	**	*
negative regulation of innate immune response	**	*
positive regulation of cytokine production involved in immun...	**	*
complement activation	**	*
toll-like receptor signaling pathway	**	*
negative regulation of leukocyte activation	**	*
lymphocyte chemotaxis	**	*
T cell receptor signaling pathway	**	*
peptidyl-tyrosine phosphorylation	**	*
antigen processing and presentation of peptide antigen via M...	**	*
regulation of leukocyte migration	**	*
T cell cytokine production	**	*
antifungal innate immune response	**	*
FC receptor signaling pathway	**	*
positive regulation of cell-cell adhesion	**	*
dendritic cell activation	**	*
positive regulation of tyrosine phosphorylation of STAT prot...	**	*
negative regulation of chemokine production	**	*
regulation of B cell activation	**	*
peptidyl-tyrosine modification	**	*
lipopolysaccharide-mediated signaling pathway	**	*
response to molecule of bacterial origin	**	*
positive regulation of T cell activation	**	*
myeloid dendritic cell differentiation	**	*
regulation of cellular chemotaxis	**	*
regulation of receptor signaling pathway via JAK-STAT	**	*
regulation of peptidyl-tyrosine phosphorylation	**	*
negative regulation of tumor necrosis factor superfamily cyt...	**	*
activation of Janus kinase activity	**	*
T-helper cell lineage commitment	**	*
CD4-positive, alpha-beta T cell lineage commitment	**	*
regulation of T cell proliferation	**	*
lymphocyte proliferation	**	*
Fc-gamma receptor signaling pathway	**	*
positive regulation of cytokine-mediated signaling pathway	**	*
regulation of receptor signaling pathway via JAK-STAT	**	*
CD4-positive, alpha-beta T cell cytokine production	**	*
negative regulation of tumor necrosis factor production	**	*
mononuclear cell proliferation	**	*
positive regulation of lymphocyte proliferation	**	*
regulation of humoral immune response	**	*
positive regulation of response to cytokine stimulus	**	*
positive regulation of T cell proliferation	**	*
negative regulation of mast cell activation	**	*
regulation of antigen receptor-mediated signaling pathway	**	*
positive regulation of interleukin-10 production	**	*
alpha-beta T cell proliferation	**	*
regulation of T cell activation	**	*
positive regulation of mononuclear cell proliferation	**	*
modulation by symbiont of entry into host	**	*
positive regulation of heat generation	**	*
positive regulation of interferon-alpha production	**	*
response to response	**	*
antigen processing and presentation of exogenous peptide anti...	**	*
microglial cell activation	**	*
B cell receptor signaling pathway	**	*
T cell costimulation	**	*
interferon-gamma-mediated signaling pathway	**	*
cellular response to tumor necrosis factor	**	*
mononuclear cell differentiation	**	*
MHC class II biosynthetic process	**	*
regulation of alpha-beta T cell activation	**	*
myeloid leukocyte mediated immunity	**	*
response to tumor necrosis factor	**	*
negative regulation of cell activation	**	*
cell selection	**	*
negative regulation of adaptive immune response based on som...	**	*
complement activation, classical pathway	**	*
regulation of leukocyte chemotaxis	**	*
defense response to Gram-negative bacterium	**	*
negative regulation of type I interferon-mediated signaling	**	*
lymphocyte differentiation	**	*
regulation of viral entry into host cell	**	*
inflammasome complex assembly	**	*
alpha-beta T cell lineage commitment	**	*
T-helper 17 cell differentiation	**	*
defense response to fungus	**	*
positive regulation of B cell activation	**	*
cellular response to interleukin-1	**	*
T-helper 17 cell lineage commitment	**	*
regulation of hypersensitivity	**	*
regulation of alpha-beta T cell proliferation	**	*
MyD88-dependent toll-like receptor signaling pathway	**	*
regulation of type I interferon-mediated signaling pathway	**	*
negative regulation of response to biotic stimulus	**	*
regulation of mononuclear cell migration	**	*
positive regulation of pattern recognition receptor signalin...	**	*
positive regulation of tumor necrosis factor production	**	*
T cell proliferation	**	*
mast cell activation involved in immune response	**	*
T cell differentiation involved in immune response	**	*
granulocyte activation	**	*
toll-like receptor signaling pathway	**	*
positive regulation of isotype switching to IgG isotypes	**	*
regulation of defense response to virus	**	*
regulation of B cell differentiation	**	*
negative regulation of inflammatory response	**	*
chemokine-mediated signaling pathway	**	*
regulation of T-helper 1 type immune response	**	*
regulation of response to interferon-gamma	**	*
regulation of interferon-gamma-mediated signaling pathway	**	*
regulation of interleukin-12 production	**	*
chemokine production	**	*
negative regulation of interleukin-10 production	**	*
regulation of isotype switching to IgG isotypes	**	*
positive regulation of alpha-beta T cell activation	**	*
regulation of T cell receptor signaling pathway	**	*
regulation of MHC class II biosynthetic process	**	*
B cell activation involved in immune response	**	*
mature B cell differentiation	**	*
negative regulation of lymphocyte activation	**	*
regulation of T cell cytokine production	**	*
regulation of phagocytosis, engulfment	**	*
negative regulation of interferon-gamma production	**	*
hypersensitivity	**	*
positive regulation of tumor necrosis factor superfamily cyt...	**	*
heat generation	**	*
natural killer cell activation involved in immune response	**	*
positive regulation of ERK1 and ERK2 cascade	**	*
lymph node development	**	*
positive regulation of receptor-mediated endocytosis	**	*
cytoplasmic pattern recognition receptor signaling pathway	**	*
positive regulation of T cell cytokine production	**	*
positive regulation of leukocyte migration	**	*
detection of external biotic stimulus	**	*
positive regulation of toll-like receptor signaling pathway	**	*
regulation of heat generation	**	*
stimulatory signaling pathway	**	*
positive regulation of CD4-positive, alpha-beta T cell activ...	**	*
regulation of cell-cell adhesion	**	*
negative regulation of response to external stimulus	**	*
leukocyte activation involved in inflammatory response	**	*
phagocytosis, engulfment	**	*
regulation of toll-like receptor signaling pathway	**	*
dendritic cell chemotaxis	**	*
regulation of membrane invagination	**	*
regulation of defense response to virus	**	*
response to chemokine	**	*
cellular response to chemokine	**	*
positive regulation of MHC class II biosynthetic process	**	*
NLRP3 inflammasome complex assembly	**	*
regulation of pattern recognition receptor signaling pathway	**	*
regulation of complement activation	**	*
regulation of syncytium formation by plasma membrane fusion	**	*
regulation of B cell proliferation	**	*
dendritic cell migration	**	*
mast cell mediated immunity	**	*
macrophage activation	**	*
type 2 immune response	**	*
negative regulation of receptor signaling pathway via JAK-STAT	**	*
positive regulation of receptor signaling pathway via JAK-STAT	**	*
CD4-positive, alpha-beta T cell lineage commitment	**	*
regulation of biological process involved in symbiotic inter...	**	*
response to interleukin-1	**	*
mast cell degranulation	**	*
regulation of mononuclear cell migration	**	*
regulation of granulocyte chemotaxis	**	*
negative regulation of antigen receptor-mediated signaling p...	**	*
positive regulation of receptor signaling pathway via JAK-STAT	**	*
neutrophil activation	**	*
positive regulation of hemopoiesis	**	*
regulation of macrophage activation	**	*
nitric oxide biosynthetic process	**	*
T-helper 17 type immune response	**	*
regulation of nitric oxide biosynthetic process	**	*
interleukin-12 production	**	*
positive regulation of lymphocyte differentiation	**	*
regulation of cytosolic calcium ion concentration	**	*
positive regulation of cell adhesion	**	*
positive regulation of cell adhesion	**	*
viral life cycle	**	*
regulation of antigen processing and presentation	**	*
antigen processing and presentation of peptide or polysaccha...	**	*
isotype switching to IgG isotypes	**	*
regulation of lymphocyte migration	**	*
regulation of vascular endothelial growth factor production	**	*
dendritic cell cytokine production	**	*
positive regulation of isotype switching	**	*
regulation of interleukin-8 production	**	*
regulation of ERK1 and ERK2 cascade	**	*
regulation of chemokine production	**	*
negative regulation of production of molecular mediator of i...	**	*
negative regulation of receptor signaling pathway via JAK-STAT	**	*
positive T cell selection	**	*
regulation of humoral immune response mediated by circulati...	**	*
myeloid leukocyte differentiation	**	*
regulation of CD4-positive, alpha-beta T cell activation	**	*
regulation of myeloid B production	**	*
interleukin-8 production	**	*
mature B cell differentiation involved in immune response	**	*
regulation of fever generation	**	*
regulation of type 2 immune response	**	*
cellular extravasation	**	*
astrocyte activation	**	*
regulation of neutrophil activation	**	*
positive regulation of B cell proliferation	**	*
negative regulation of T-helper cell differentiation	**	*
positive regulation of phagocytosis, engulfment	**	*
positive regulation of membrane invagination	**	*
pyroptosis	**	*
negative regulation of cytokine production involved in immun...	**	*
positive regulation of syncytium formation by plasma membrane...	**	*
ERK1 and ERK2 cascade	**	*
negative regulation of osteoclast differentiation	**	*
cellular response to virus	**	*
regulation of B cell differentiation	**	*
regulatory T cell differentiation	**	*
positive regulation of defense response to virus by host	**	*
positive regulation of homotypic cell-cell adhesion	**	*
regulation of CD8-positive, alpha-beta T cell activation	**	*
regulation of isotype switching	**	*
lipopolysaccharide-mediated signaling pathway	**	*
negative regulation of NF-kappaB transcription factor activi...	**	*
cytoplasmic pattern recognition receptor signaling pathway i...	**	*
cell chemotaxis	**	*
macrophage activation	**	*
positive regulation of inflammatory response to antigen	**	*
vascular endothelial growth factor production	**	*
regulation of T-helper 17 cell differentiation	**	*
nucleotide-binding, leucine rich repeat containing 2 signa...	**	*
positive regulation of type 2 immune response	**	*
positive regulation of chemokine production	**	*
positive regulation of T cell migration	**	*
negative regulation of T-helper 17 cell differentiation	**	*
positive regulation of lymphocyte migration	**	*
detection of other organisms	**	*
regulation of lymphocyte chemotaxis	**	*
plasma membrane invagination	**	*
positive regulation of interleukin-4 production	**	*
cellular response to chemokine	**	*
positive regulation of leukocyte chemotaxis	**	*
heterotypic cell-cell adhesion	**	*
T cell homeostasis	**	*
positive regulation of myeloid leukocyte mediated immunity	**	*
regulation of cell chemotaxis	**	*
regulation of interleukin-2 production	**	*
regulation of nitric oxide metabolic process	**	*
interleukin-2 production	**	*
regulation of T cell chemotaxis	**	*
negative regulation of T-helper 17 type immune response	**	*
regulation of dendritic cell cytokine production	**	*
response to growth hormone	**	*
CD8-positive, alpha-beta T cell differentiation	**	*
regulation of T-helper 17 type immune response	**	*
negative regulation of leukocyte cell-cell adhesion	**	*
negative regulation of T cell activation	**	*
T-helper 1 type immune response	**	*
embryo implantation	**	*
nitric oxide metabolic process	**	*
RIG-I signaling pathway	**	*
activated T cell proliferation	**	*
negative regulation of leukocyte proliferation	**	*
negative regulation of interleukin-12 production	**	*
nucleotide-binding domain, leucine rich repeat containing 2...	**	*
regulation of cellular extravasation	**	*
positive regulation of granulocyte chemotaxis	**	*
detection of biotic stimulus	**	*
species-specific immune response	**	*
neutrophil activation involved in immune response	**	*
membrane invagination	**	*
blood coagulation	**	*
positive regulation of interleukin-17 production	**	*
positive regulation of cell migration	**	*
regulation of neutrophil migration	**	*
positive regulation of vascular endothelial growth factor pr...	**	*
hemostasis	**	*
regulation of T cell migration	**	*
regulation of I-kappaB kinase/NF-kappaB signaling pathway	**	*
negative regulation of T cell receptor signaling pathway	**	*
coagulation	**	*
macrophage differentiation	**	*
tumor necrosis factor-mediated signaling pathway	**	*
vitamin D metabolic process	**	*
interleukin-8 production	**	*
immunological synapse formation	**	*
regulation of endothelial cell apoptosis	**	*
production of molecular mediator involved in inflammatory res...	**	*
negative regulation of tyrosine phosphorylation of STAT prot...	**	*
regulation of regulatory T cell differentiation	**	*
negative regulation of endothelial cell apoptotic process	**	*
interleukin-17 production	**	*
endothelial cell apoptotic process	**	*
integrin-mediated signaling pathway	**	*
negative regulation of response to oxidative stress	**	*
negative regulation of interleukin-8 production	**	*
bone resorption	**	*
regulation of neutrophil chemotaxis	**	*
regulation of osteoclast differentiation	**	*
regulation of interleukin-8 production	**	*
regulation of heterotypic cell-cell adhesion	**	*
response to UV-A	**	*
negative regulation of type I interferon production	**	*
regulation of toll-like receptor 4 signaling pathway	**	*
response to progesterone	**	*
regulation of bone resorption	**	*
positive regulation of nitric oxide biosynthetic process	**	*
toll-like receptor 2 signaling pathway	**	*
regulation of membrane protein ectodomain proteolysis	**	*
positive regulation of leukocyte adhesion to vascular endothe...	**	*
negative regulation of tissue remodeling	**	*