Cellular Processes;Cell Communication;Adherens junction
Cellular Processes;Cell Communication;Focal adhesion
Cellular Processes;Cell Growth and Death;Apoptosis
Cellular Processes;Cell Growth and Death;Apoptosis
Cellular Processes;Cell Growth and Death;Cell cycle
Cellular Processes;Cell Growth and Death;Cell cycle - yeast
Cellular Processes;Cell Growth and Death;Cell cycle - yeast
Cellular Processes;Cell Growth and Death;Meiosis - yeast
Cellular Processes;Cell Growth and Death;Meiosis - yeast
Cellular Processes;Cell Growth and Death;p53 signaling pathway
Cellular Processes;Cell Motility;Bacterial chemotaxis
Cellular Processes;Cell Motility;Flagellar assembly
Cellular Processes;Cell Motility;Cytoskeleton proteins
Cellular Processes;Cell Motility;Regulation of actin cytoskeleton
Cellular Processes;Transport and Catabolism;Endocytosis
Cellular Processes;Transport and Catabolism;Lysosome
Cellular Processes;Transport and Catabolism;Peroxisome
Cellular Processes;Transport and Catabolism;Phagosome
Environmental Information Processing;Membrane Transport;ABC transporters
Environmental Information Processing;Membrane Transport;Bacterial secretion system
Environmental Information Processing;Membrane Transport;Phosphotransferase system (PTS)
Environmental Information Processing;Membrane Transport;Secretion system
Environmental Information Processing;Membrane Transport;Transporters
Environmental Information Processing;Signal Transduction;AMPK signaling pathway
Environmental Information Processing;Signal Transduction;ErbB signaling pathway
Environmental Information Processing;Signal Transduction;Hedgehog signaling pathway
Environmental Information Processing;Signal Transduction;Hippo signaling pathway
Environmental Information Processing;Signal Transduction;MAPK signaling pathway - yeast
Environmental Information Processing;Signal Transduction;mTOR signaling pathway
Environmental Information Processing;Signal Transduction;Phosphatidylinositol signaling system
Environmental Information Processing;Signal Transduction;PI3K-Akt signaling pathway
Environmental Information Processing;Signal Transduction;Ras signaling pathway
Environmental Information Processing;Signal Transduction;VEGF signaling pathway
Environmental Information Processing;Signal Transduction;Wnt signaling pathway
Environmental Information Processing;Signal Transduction;cGMP-signaling pathway
Environmental Information Processing;Signaling Molecules and Interaction;Bacterial toxins
Environmental Information Processing;Signaling Molecules and Interaction;Cytokine
Environmental Information Processing;Signaling Molecules and Interaction;Cellular antigens
Environmental Information Processing;Signaling Molecules and Interaction;Cytokine receptors
Environmental Information Processing;Signaling Molecules and Interaction;Ligand-receptor interaction
Environmental Information Processing;Signaling Molecules and Interaction;ECM-receptor interaction
Environmental Information Processing;Signaling Molecules and Interaction;G protein-coupled receptors
Environmental Information Processing;Signaling Molecules and Interaction;Growth factor
Environmental Information Processing;Signaling Molecules and Interaction;Glycan binding proteins
Environmental Information Processing;Signaling Molecules and Interaction;Hormone
Environmental Information Processing;Signaling Molecules and Interaction;Neuroactive ligand-receptor interaction
Genetic Information Processing;Folding, Sorting and Degradation;Chaperones and folding catalysts
Genetic Information Processing;Folding, Sorting and Degradation;Proteasome
Genetic Information Processing;Folding, Sorting and Degradation;Protein export
Genetic Information Processing;Folding, Sorting and Degradation;Protein processing in endoplasmic reticulum
Genetic Information Processing;Folding, Sorting and Degradation;RNA degradation
Genetic Information Processing;Folding, Sorting and Degradation;Sulfur relay system
Genetic Information Processing;Folding, Sorting and Degradation;Ubiquitin system
Genetic Information Processing;Replication and Repair;Base excision repair
Genetic Information Processing;Replication and Repair;Chromosome
Genetic Information Processing;Replication and Repair;Homologous recombination proteins
Genetic Information Processing;Replication and Repair;DNA replication
Genetic Information Processing;Replication and Repair;DNA replication proteins
Genetic Information Processing;Replication and Repair;Mismatch repair proteins
Genetic Information Processing;Replication and Repair;Mismatch repair
Genetic Information Processing;Replication and Repair;Nucleotide excision repair
Genetic Information Processing;Replication and Repair;Nucleotide excision repair
Genetic Information Processing;Transcription;DNA polymerases
Genetic Information Processing;Transcription;Spliceosome
Genetic Information Processing;Transcription;Transcription factors
Genetic Information Processing;Transcription;Transcription machinery
Genetic Information Processing;Translation;Aminoacyl-tRNA biosynthesis
Genetic Information Processing;Translation;Ribosome
Genetic Information Processing;Translation;Ribosome
Genetic Information Processing;Translation;Ribosome Biogenesis
Genetic Information Processing;Translation;Translation factors - eukaryotes
Genetic Information Processing;Translation;Translation factors
Genetic Information Processing;Translation;mRNA surveillance pathway
Human Diseases;Cancers;Overview
Human Diseases;Cancers;Chronic myeloid leukemia
Human Diseases;Cancers;Colorectal cancer
Human Diseases;Cancers;Glioma
Human Diseases;Cancers;Hepatocellular cancer
Human Diseases;Cancers;Pathways in cancer
Human Diseases;Cancers;Prostate cancer
Human Diseases;Cancers;Small cell lung cancer
Human Diseases;Cancers;Small cell lung cancer
Human Diseases;Cardiovascular Diseases;Arrhythmogenic right ventricular cardiomyopathy (ARVC)
Human Diseases;Cardiovascular Diseases;Dilated cardiomyopathy
Human Diseases;Cardiovascular Diseases;Hypertrophic cardiomyopathy (HCM)
Human Diseases;Cardiovascular Diseases;Viral myocarditis
Human Diseases;Immune Diseases;Primary immunodeficiency
Human Diseases;Immune System Diseases;Rheumatoid arthritis
Human Diseases;Immune System Diseases;Systemic lupus erythematosus
Human Diseases;Infectious Diseases;Amoebiasis
Human Diseases;Infectious Diseases;Amoebiasis
Human Diseases;Infectious Diseases;Colonization and invasion of epithelial cells
Human Diseases;Infectious Diseases;Chagas disease (American trypanosomiasis)
Human Diseases;Infectious Diseases;Host-pathogen interaction of signaling in mediated by autoinfection
Human Diseases;Infectious Diseases;Hepatitis C
Human Diseases;Infectious Diseases;Influenza A
Human Diseases;Infectious Diseases;Leishmaniasis
Human Diseases;Infectious Diseases;Measles
Human Diseases;Infectious Diseases;Pathogenic Escherichia coli infection
Human Diseases;Infectious Diseases;Pertussis
Human Diseases;Infectious Diseases;Shigellosis
Human Diseases;Infectious Diseases;Staphylococcus aureus infection
Human Diseases;Infectious Diseases;Toxoplasmosis
Human Diseases;Infectious Diseases;Tuberculosis
Human Diseases;Infectious Diseases;Vibrio cholerae infection
Human Diseases;Neurodegenerative Diseases;Amyotrophic lateral sclerosis
Human Diseases;Neurodegenerative Diseases;Huntington's disease
Human Diseases;Neurodegenerative Diseases;Alzheimer's disease
Human Diseases;Neurodegenerative Diseases;Parkinson's disease
Human Diseases;Neurodegenerative Diseases;Prion disease
Metabolism;Amino Acid Metabolism;Alanine, aspartate and glutamate metabolism
Metabolism;Amino Acid Metabolism;Arginine and proline metabolism
Metabolism;Amino Acid Metabolism;Cysteine and methionine metabolism
Metabolism;Amino Acid Metabolism;Cysteine and methionine metabolism
Metabolism;Amino Acid Metabolism;Glycine, serine and threonine metabolism
Metabolism;Amino Acid Metabolism;Histidine metabolism
Metabolism;Amino Acid Metabolism;Lysine biosynthesis
Metabolism;Amino Acid Metabolism;Lysine degradation
Metabolism;Amino Acid Metabolism;Phenylalanine metabolism
Metabolism;Amino Acid Metabolism;Phenylalanine, tyrosine and tryptophan biosynthesis
Metabolism;Amino Acid Metabolism;Tryptophan metabolism
Metabolism;Amino Acid Metabolism;Tyrosine metabolism
Metabolism;Amino Acid Metabolism;Valine, leucine and isoleucine biosynthesis
Metabolism;Amino Acid Metabolism;Valine, leucine and isoleucine degradation
Metabolism;Biosynthesis of Other Secondary Metabolites;Betalain biosynthesis
Metabolism;Biosynthesis of Other Secondary Metabolites;Brassinosteroid biosynthesis
Metabolism;Biosynthesis of Other Secondary Metabolites;Caffeine metabolism
Metabolism;Biosynthesis of Other Secondary Metabolites;Cassinine acid biosynthesis
Metabolism;Biosynthesis of Other Secondary Metabolites;Cyanoamino acid metabolism
Metabolism;Biosynthesis of Other Secondary Metabolites;Flavonoid biosynthesis
Metabolism;Biosynthesis of Other Secondary Metabolites;Indole alkaloid biosynthesis
Metabolism;Biosynthesis of Other Secondary Metabolites;Monobactam biosynthesis
Metabolism;Biosynthesis of Other Secondary Metabolites;Nicotinate and nicotinamide metabolism
Metabolism;Biosynthesis of Other Secondary Metabolites;Novobiocin biosynthesis
Metabolism;Biosynthesis of Other Secondary Metabolites;Penicillin and cephalosporin biosynthesis
Metabolism;Biosynthesis of Other Secondary Metabolites;Phenylpropanoid biosynthesis
Metabolism;Biosynthesis of Other Secondary Metabolites;Prodigiosin biosynthesis
Metabolism;Biosynthesis of Other Secondary Metabolites;Streptomycin biosynthesis
Metabolism;Biosynthesis of Other Secondary Metabolites;Tetracycline biosynthesis - valine alkaloid biosynthesis
Metabolism;Carbohydrate Metabolism;Beta-Lactam resistance
Metabolism;Carbohydrate Metabolism;Amino sugar and nucleotide sugar metabolism
Metabolism;Carbohydrate Metabolism;Butanoate metabolism
Metabolism;Carbohydrate Metabolism;Butanoate metabolism
Metabolism;Carbohydrate Metabolism;C5-Branched dibasic acid metabolism
Metabolism;Carbohydrate Metabolism;Ascorbate and aldarate metabolism
Metabolism;Carbohydrate Metabolism;Fatty acid biosynthesis
Metabolism;Carbohydrate Metabolism;Galactose metabolism
Metabolism;Carbohydrate Metabolism;Glycolysis / Gluconeogenesis
Metabolism;Carbohydrate Metabolism;Glycolysis and gluconeogenesis metabolism
Metabolism;Carbohydrate Metabolism;Inositol phosphate metabolism
Metabolism;Carbohydrate Metabolism;Pentose and glucuronate interconversions
Metabolism;Carbohydrate Metabolism;Pentose phosphate pathway
Metabolism;Carbohydrate Metabolism;Propanoate metabolism
Metabolism;Carbohydrate Metabolism;Pyruvate metabolism
Metabolism;Energy Metabolism;Carbon fixation in photosynthetic organisms
Metabolism;Energy Metabolism;Carbon fixation pathways in prokaryotes
Metabolism;Energy Metabolism;Methane metabolism
Metabolism;Energy Metabolism;Nitrogen metabolism
Metabolism;Energy Metabolism;Oxidative phosphorylation
Metabolism;Energy Metabolism;Photosynthesis
Metabolism;Energy Metabolism;Photosynthesis - antenna proteins
Metabolism;Energy Metabolism;Photosynthesis proteins
Metabolism;Enzyme Families;Peptidases
Metabolism;Enzyme Families;Cytochrome P450
Metabolism;Enzyme Families;Peptidases
Metabolism;Glycan Biosynthesis and Metabolism;Glycosaminoglycan biosynthesis - chondroitin sulfate
Metabolism;Glycan Biosynthesis and Metabolism;Glycosaminoglycan degradation
Metabolism;Glycan Biosynthesis and Metabolism;Glycosphingolipid biosynthesis - ganglio series
Metabolism;Glycan Biosynthesis and Metabolism;Glycosphingolipid biosynthesis - globo series
Metabolism;Glycan Biosynthesis and Metabolism;Glycosphingolipid biosynthesis - lacto and neolacto series
Metabolism;Glycan Biosynthesis and Metabolism;Glycosylphosphatidylinositol(GPI)-anchor biosynthesis
Metabolism;Glycan Biosynthesis and Metabolism;Keratan sulfate
Metabolism;Glycan Biosynthesis and Metabolism;Lipopolysaccharide biosynthesis
Metabolism;Glycan Biosynthesis and Metabolism;Lipopolysaccharide biosynthesis proteins
Metabolism;Glycan Biosynthesis and Metabolism;Mannose type O-glycan biosynthesis
Metabolism;Glycan Biosynthesis and Metabolism;Other glycan degradation
Metabolism;Glycan Biosynthesis and Metabolism;Other types of O-glycan biosynthesis
Metabolism;Glycan Biosynthesis and Metabolism;Peptidoglycan biosynthesis
Metabolism;Glycan Biosynthesis and Metabolism;Various types of N-glycan biosynthesis
Metabolism;Lipid Metabolism;Arachidonic acid metabolism
Metabolism;Lipid Metabolism;Biosynthesis of unsaturated fatty acids
Metabolism;Lipid Metabolism;Ether lipid metabolism
Metabolism;Lipid Metabolism;Fatty acid biosynthesis
Metabolism;Lipid Metabolism;Fatty acid elongation in mitochondria
Metabolism;Lipid Metabolism;Fatty acid metabolism
Metabolism;Lipid Metabolism;Glycerolipid metabolism
Metabolism;Lipid Metabolism;Glycerophospholipid metabolism
Metabolism;Lipid Metabolism;Linoleic acid metabolism
Metabolism;Lipid Metabolism;Lipid biosynthesis proteins
Metabolism;Lipid Metabolism;Primary bile acid biosynthesis
Metabolism;Lipid Metabolism;Sphingolipid metabolism
Metabolism;Lipid Metabolism;Sphingolipid metabolism
Metabolism;Lipid Metabolism;Steroid biosynthesis
Metabolism;Metabolism of Cofactors and Vitamins;Biotin metabolism
Metabolism;Metabolism of Cofactors and Vitamins;Biosynthesis and degradation of heme bodies
Metabolism;Metabolism of Cofactors and Vitamins;Folate biosynthesis
Metabolism;Metabolism of Cofactors and Vitamins;Biotin metabolism
Metabolism;Metabolism of Cofactors and Vitamins;Lipoic acid metabolism
Metabolism;Metabolism of Cofactors and Vitamins;Nicotinate and nicotinamide metabolism
Metabolism;Metabolism of Cofactors and Vitamins;Pantothenate and CoA biosynthesis
Metabolism;Metabolism of Cofactors and Vitamins;Pantothenate and CoA biosynthesis
Metabolism;Metabolism of Cofactors and Vitamins;Porphyrin and chlorophyll metabolism
Metabolism;Metabolism of Cofactors and Vitamins;Riboflavin metabolism
Metabolism;Metabolism of Cofactors and Vitamins;Riboflavin metabolism
Metabolism;Metabolism of Cofactors and Vitamins;Thiamine metabolism
Metabolism;Metabolism of Other Amino Acids;Cysteine and methionine metabolism-gamma-lactamase biosynthesis
Metabolism;Metabolism of Other Amino Acids;Glutamine and glutamate metabolism
Metabolism;Metabolism of Other Amino Acids;Lysosamine biosynthesis
Metabolism;Metabolism of Other Amino Acids;Selenocysteine metabolism
Metabolism;Metabolism of Other Amino Acids;Taurine and hypotaurine metabolism
Metabolism;Metabolism of Other Amino Acids;Thiamine metabolism
Metabolism;Metabolism of Terpenoids and Polyketides;Biosynthesis of 12, 14 and 16-membered macrolides
Metabolism;Metabolism of Terpenoids and Polyketides;Biosynthesis of ansamycins
Metabolism;Metabolism of Terpenoids and Polyketides;Biosynthesis of type II polyketide backbone-lactosylated peptides
Metabolism;Metabolism of Terpenoids and Polyketides;Biosynthesis of type II polyketide products
Metabolism;Metabolism of Terpenoids and Polyketides;Biosynthesis of type II polyketide products
Metabolism;Metabolism of Terpenoids and Polyketides;Carotenoid biosynthesis
Metabolism;Metabolism of Terpenoids and Polyketides;Carotenoid biosynthesis
Metabolism;Metabolism of Terpenoids and Polyketides;Geraniol degradation
Metabolism;Metabolism of Terpenoids and Polyketides;Limonene and pinene degradation
Metabolism;Metabolism of Terpenoids and Polyketides;Polyketide sugar unit biosynthesis
Metabolism;Metabolism of Terpenoids and Polyketides;Sesquiterpene and trichothecene biosynthesis
Metabolism;Metabolism of Terpenoids and Polyketides;Sesquiterpenoid biosynthesis
Metabolism;Metabolism of Terpenoids and Polyketides;Terpenoid backbone biosynthesis
Metabolism;Metabolism of Terpenoids and Polyketides;Triterpenoid biosynthesis
Metabolism;Metabolism of Terpenoids and Polyketides;Zeatin biosynthesis
Metabolism;Nucleotide Metabolism;Purine metabolism
Metabolism;Nucleotide Metabolism;Pyrimidine metabolism
Metabolism;Nucleotide Metabolism;Purine metabolism
Metabolism;Xenobiotics Biodegradation and Metabolism;1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane (DDT) degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Benzoate degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Atrazine degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Benzoate degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Bisphenol degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Caprolactam degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Chlorobiphenyl and chlorobenzene degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Chlorocyclohexane and chlorobenzene degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Dioxin degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Drug metabolism - cytochrome P450
Metabolism;Xenobiotics Biodegradation and Metabolism;Drug metabolism - other enzymes
Metabolism;Xenobiotics Biodegradation and Metabolism;Ethylbenzene degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Fluorobenzoate degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Metabolism of xenobiotics by cytochrome P450
Metabolism;Xenobiotics Biodegradation and Metabolism;Nitrobenzene degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Nitrotoluene degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Polycyclic aromatic hydrocarbon degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Styrene degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Toluene degradation
Metabolism;Xenobiotics Biodegradation and Metabolism;Xylene degradation
Organismal Systems;Circulatory System;Platelet activation
Organismal Systems;Circulatory System;Vascular smooth muscle contraction
Organismal Systems;Digestive System;Bile secretion
Organismal Systems;Digestive System;Carbohydrate digestion and absorption
Organismal Systems;Digestive System;Fat digestion and absorption
Organismal Systems;Digestive System;Gastric acid secretion
Organismal Systems;Digestive System;Mineral absorption
Organismal Systems;Digestive System;Pancreatic secretion
Organismal Systems;Digestive System;Protein digestion and absorption
Organismal Systems;Digestive System;Salivary secretion
Organismal Systems;Endocrine System;Adipocytokine signaling pathway
Organismal Systems;Endocrine System;GnRH signaling pathway
Organismal Systems;Endocrine System;Insulin signaling pathway
Organismal Systems;Endocrine System;Insulin secretion
Organismal Systems;Endocrine System;PPAR signaling pathway
Organismal Systems;Endocrine System;Progesterone-mediated oocyte maturation
Organismal Systems;Endocrine System;Prolactin signaling pathway
Organismal Systems;Environmental Adaptation;Circadian rhythm - plant
Organismal Systems;Environmental Adaptation;Plant pathogen interaction
Organismal Systems;Excretory System;Aldosterone-regulated sodium reabsorption
Organismal Systems;Excretory System;Endocrine and other factor-regulated calcium reabsorption
Organismal Systems;Excretory System;Proximal tubule bicarbonate reclamation
Organismal Systems;Excretory System;Vasopressin-regulated water reabsorption
Organismal Systems;Immune System;Antigen processing and presentation
Organismal Systems;Immune System;Complement and coagulation cascades
Organismal Systems;Immune System;Cytokine-cytokine receptor interaction
Organismal Systems;Immune System;Fc gamma R-mediated phagocytosis
Organismal Systems;Immune System;Hematopoietic cell lineage
Organismal Systems;Immune System;Leukocyte transendothelial migration
Organismal Systems;Immune System;NOD-like receptor signaling pathway
Organismal Systems;Immune System;RIG-I-like receptor signaling pathway
Organismal Systems;Immune System;Toll-like receptor signaling pathway
Organismal Systems;Nervous System;Cholinergic synapse
Organismal Systems;Nervous System;Long-term depression
Organismal Systems;Nervous System;Long-term potentiation
Organismal Systems;Nervous System;Neurotrophin signaling pathway
Organismal Systems;Sensory System;Phototransduction
Organismal Systems;Sensory System;Phototransduction - fly
Unclassified;Cellular Processes and Signaling;Cell division
Unclassified;Cellular Processes and Signaling;Cell motility and secretion
Unclassified;Cellular Processes and Signaling;Cell motility and secretion
Unclassified;Cellular Processes and Signaling;Germination
Unclassified;Cellular Processes and Signaling;Inorganic ion transport and metabolism
Unclassified;Cellular Processes and Signaling;Other ion-coupled transporters
Unclassified;Cellular Processes and Signaling;Other ion-coupled transporters
Unclassified;Cellular Processes and Signaling;Other transporters
Unclassified;Cellular Processes and Signaling;Other transporters
Unclassified;Cellular Processes and Signaling;Signal transduction mechanisms
Unclassified;Cellular Processes and Signaling;Sporulation
Unclassified;Genetic Information Processing;Folding, sorting and associated processing
Unclassified;Genetic Information Processing;Replication, recombination and repair proteins
Unclassified;Genetic Information Processing;Transcription factors
Unclassified;Genetic Information Processing;Translation related proteins
Unclassified;Genetic Information Processing;Translation proteins
Unclassified;Metabolism;Amino acid metabolism
Unclassified;Metabolism;Biosynthesis and biodegradation of secondary metabolites
Unclassified;Metabolism;Carbohydrate metabolism
Unclassified;Metabolism;Energy metabolism
Unclassified;Metabolism;Glycan biosynthesis and metabolism
Unclassified;Metabolism;Lipid metabolism
Unclassified;Metabolism;Metabolism of cofactors and vitamins
Unclassified;Metabolism;Nucleotide metabolism
Unclassified;Poorly Characterized
Unclassified;Poorly Characterized;Function unknown
Unclassified;Poorly Characterized;General function prediction only