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| Name | KEGG Pathways |
| HIST2H3A | Alcoholism; Systemic lupus erythematosus; Transcriptional misregulation in cancer |
| LAMA5 | Amoebiasis; ECM-receptor interaction; Focal adhesion; Human papillomavirus infection; Pathways in cancer; PI3K-Akt signaling pathway; Small cell lung cancer; Toxoplasmosis |
| FXR1 | RNA transport |
| SF3B3 | Spliceosome |
| UBA2 | Ubiquitin mediated proteolysis |
| HMGA2 | MicroRNAs in cancer; Transcriptional misregulation in cancer |
| PTGES3 | Arachidonic acid metabolism; Metabolic pathways |
| PREP | Renin-angiotensin system |
| MGAT5 | Metabolic pathways; N-Glycan biosynthesis |
| RHOA | Adherens junction; Axon guidance; Bacterial invasion of epithelial cells; cAMP signaling pathway; cGMP-PKG signaling pathway; Chemokine signaling pathway; Colorectal cancer; C-type lectin receptor signaling pathway; Endocytosis; Fluid shear stress and atherosclerosis; Focal adhesion; Human cytomegalovirus infection; Leukocyte transendothelial migration; MicroRNAs in cancer; mTOR signaling pathway; Neurotrophin signaling pathway; NOD-like receptor signaling pathway; Oxytocin signaling pathway; Pancreatic secretion; Parathyroid hormone synthesis, secretion and action; Pathogenic Escherichia coli infection; Pathways in cancer; Pertussis; Phospholipase D signaling pathway; Platelet activation; Proteoglycans in cancer;Rap1 signaling pathway; Ras signaling pathway; Regulation of actin cytoskeleton; Sphingolipid signaling pathway; T cell receptor signaling pathway; TGF-beta signaling pathway; Tight junction; Tuberculosis; Vascular smooth muscle contraction; Viral carcinogenesis; Wnt signaling pathway; Yersinia infection |
| PGAM5 | Mitophagy - animal; Necroptosis; TNF signaling pathway |
| SNRPD1 | Spliceosome; Systemic lupus erythematosus |
| GNPAT | Glycerophospholipid metabolism; Peroxisome |
| MCM4 | Cell cycle; DNA replication |
| HEATR1 | Ribosome biogenesis in eukaryotes |
| MCM2 | Cell cycle; DNA replication |
| ANTXR1 | NOD-like receptor signaling pathway |
| PRKAG1 | Adipocytokine signaling pathway; AMPK signaling pathway; Apelin signaling pathway; Circadian rhythm; FoxO signaling pathway; Glucagon signaling pathway; Hypertrophic cardiomyopathy (HCM); Insulin resistance; Insulin signaling pathway; Longevity regulating pathway; Longevity regulating pathway - multiple species; Non-alcoholic fatty liver disease (NAFLD); Oxytocin signaling pathway; Thermogenesis; Tight junction |
| EIF3H | Measles; RNA transport |
| RPS15 | Ribosome |
| TOP2B | Platinum drug resistance |
| CHD4 | Human papillomavirus infection; Viral carcinogenesis |
| PRMT1 | FoxO signaling pathway; Glucagon signaling pathway |
| NDUFA12 | Alzheimer disease; Huntington disease; Metabolic pathways; Non-alcoholic fatty liver disease (NAFLD); Oxidative phosphorylation; Parkinson disease; Retrograde endocannabinoid signaling; Thermogenesis |
| USP15 | Mitophagy - animal |
| SPTAN1 | Apoptosis |
| AP1M1 | Human immunodeficiency virus 1 infection; Lysosome |
| EIF4G1 | RNA transport; Viral myocarditis |
| RAB2A | AMPK signaling pathway |
| NUDT21 | mRNA surveillance pathway |
| AARS | Aminoacyl-tRNA biosynthesis |
| PSME3 | Antigen processing and presentation; Hepatitis C; Proteasome |
| UGGT1 | Protein processing in endoplasmic reticulum |
| SEC24D | Protein processing in endoplasmic reticulum |
| ALDH9A1 | Arginine and proline metabolism; Ascorbate and aldarate metabolism;beta-Alanine metabolism; Fatty acid degradation; Glycerolipid metabolism; Glycolysis / Gluconeogenesis; Histidine metabolism; Lysine degradation; Metabolic pathways; Pyruvate metabolism; Tryptophan metabolism; Valine, leucine and isoleucine degradation |
| UGP2 | Amino sugar and nucleotide sugar metabolism; Galactose metabolism; Metabolic pathways; Pentose and glucuronate interconversions; Starch and sucrose metabolism |
| NUP133 | RNA transport |
| CLU | Complement and coagulation cascades |
| AGRN | ECM-receptor interaction |
| GBE1 | Metabolic pathways; Starch and sucrose metabolism |
| PSME1 | Antigen processing and presentation; Proteasome |
| NAMPT | Metabolic pathways; Nicotinate and nicotinamide metabolism; NOD-like receptor signaling pathway |
| MRC2 | Phagosome; Tuberculosis |
| TUBAL3 | Apoptosis; Gap junction; Pathogenic Escherichia coli infection; Phagosome; Tight junction |
| ACTG1 | Adherens junction; Apoptosis; Arrhythmogenic right ventricular cardiomyopathy (ARVC);Bacterial invasion of epithelial cells; Dilated cardiomyopathy (DCM);Fluid shear stress and atherosclerosis; Focal adhesion; Hepatocellular carcinoma; Hippo signaling pathway; Hypertrophic cardiomyopathy (HCM);Influenza A; Leukocyte transendothelial migration; Oxytocin signaling pathway; Pathogenic Escherichia coli infection; Phagosome; Platelet activation; Proteoglycans in cancer;Rap1 signaling pathway; Regulation of actin cytoskeleton; Salmonella infection; Shigellosis; Thermogenesis; Thyroid hormone signaling pathway; Tight junction; Vibrio cholerae infection; Viral myocarditis; Yersinia infection |
| TPM2 | Adrenergic signaling in cardiomyocytes; Cardiac muscle contraction; Dilated cardiomyopathy (DCM); Hypertrophic cardiomyopathy (HCM) |
| SEC23A | Protein processing in endoplasmic reticulum |
| PTPN1 | Adherens junction; Insulin resistance; Insulin signaling pathway |
| GLS | Alanine, aspartate and glutamate metabolism; Arginine biosynthesis; Central carbon metabolism in cancer; D-Glutamine and D-glutamate metabolism; GABAergic synapse; Glutamatergic synapse; Metabolic pathways; MicroRNAs in cancer; Proximal tubule bicarbonate reclamation |
| SF3B1 | Spliceosome |
| XRCC5 | Non-homologous end-joining |
| NUP93 | RNA transport |
| YWHAE | Cell cycle; Hepatitis C; Hippo signaling pathway; Neurotrophin signaling pathway; Oocyte meiosis; PI3K-Akt signaling pathway; Viral carcinogenesis |
| ECH1 | Peroxisome |
| NUP98 | Influenza A;RNA transport |
| PFKM | AMPK signaling pathway; Biosynthesis of amino acids; Carbon metabolism; Central carbon metabolism in cancer; Fructose and mannose metabolism; Galactose metabolism; Glucagon signaling pathway; Glycolysis / Gluconeogenesis; HIF-1 signaling pathway; Metabolic pathways; Pentose phosphate pathway; RNA degradation |
| ADSL | Alanine, aspartate and glutamate metabolism; Metabolic pathways; Purine metabolism |
| RPS24 | Ribosome |
| CAPN2 | Alzheimer disease; Apoptosis; Cellular senescence; Focal adhesion; Necroptosis; Protein processing in endoplasmic reticulum |
| LTBP1 | TGF-beta signaling pathway |
| HNRNPA1 | Spliceosome |
| HNRNPA3 | Spliceosome |
| HNRNPK | MicroRNAs in cancer; Sliceosome; Viral carcinogenesis |
| IFI16 | NOD-like receptor signaling pathway |
| SERPINF1 | Wnt signaling pathway |
| HADHA | beta-Alanine metabolism; Butanoate metabolism; Carbon metabolism; Fatty acid degradation; Fatty acid elongation; Fatty acid metabolism; Lysine degradation; Metabolic pathways; Propanoate metabolism; Tryptophan metabolism; Valine, leucine and isoleucine degradation |
| FASN | AMPK signaling pathway; Fatty acid biosynthesis; Fatty acid metabolism; Insulin signaling pathway; Metabolic pathways |
| RPS7 | Ribosome |
| LAP3 | Arginine and proline metabolism; Glutathione metabolism; Metabolic pathways |
| SEC61G | Phagosome; Protein export; Protein processing in endoplasmic reticulum; Vibrio cholerae infection |
| XRCC6 | Non-homologous end-joining |
| EIF2S3 | RNA transport |
| NCKAP1 | Regulation of actin cytoskeleton |
| NCL | Pathogenic Escherichia coli infection |
| LARS | Aminoacyl-tRNA biosynthesis |
| HSPH1 | Protein processing in endoplasmic reticulum |
| THBS2 | ECM-receptor interaction; Focal adhesion; Human papillomavirus infection;Malaria; Phagosome;PI3K-Akt signaling pathway |
| TRA2B | Spliceosome |
| EEF1G | Legionellosis |
| CBR1 | Arachidonic acid metabolism; Chemical carcinogenesis; Folate biosynthesis; Metabolic pathways; Metabolism of xenobiotics by cytochrome P450 |
| EIF3CL | RNA transport |
| COMT | Dopaminergic synapse; Metabolic pathways; Steroid hormone biosynthesis; Tyrosine metabolism |
| DDX5 | Proteoglycans in cancer; Spliceosome; Transcriptional misregulation in cancer |
| MAN2A1 | Metabolic pathways; N-Glycan biosynthesis |
| SRP9 | Protein export |
| LMNA | Apoptosis; Arrhythmogenic right ventricular cardiomyopathy (ARVC); Dilated cardiomyopathy (DCM);Hypertrophic cardiomyopathy (HCM) |
| HSPG2 | ECM-receptor interaction; Hepatitis B; Proteoglycans in cancer |
| KARS | Aminoacyl-tRNA biosynthesis |
| EEF2 | AMPK signaling pathway; Oxytocin signaling pathway |
| SRSF1 | Herpes simplex virus 1 infection; IL-17 signaling pathway; Spliceosome |
| SDHB | Alzheimer disease; Carbon metabolism; Citrate cycle (TCA cycle); Huntington disease; Metabolic pathways; Non-alcoholic fatty liver disease (NAFLD);Oxidative phosphorylation; Parkinson disease; Thermogenesis |
| PDIA6 | Protein processing in endoplasmic reticulum |
| RPLP2 | Ribosome |
| DDX3X | Hepatitis B;RIG-I-like receptor signaling pathway; Viral carcinogenesis |
| GFPT1 | Alanine, aspartate and glutamate metabolism; Amino sugar and nucleotide sugar metabolism; Insulin resistance; Metabolic pathways |
| ACO2 | 2-Oxocarboxylic acid metabolism; Biosynthesis of amino acids; Carbon metabolism; Citrate cycle (TCA cycle); Glyoxylate and dicarboxylate metabolism; Metabolic pathways |
| CAPN1 | Alzheimer disease; Apoptosis; Cellular senescence; Necroptosis; Protein processing in endoplasmic reticulum |
| PGM3 | Amino sugar and nucleotide sugar metabolism; Metabolic pathways |
| EPRS | Aminoacyl-tRNA biosynthesis; Metabolic pathways; Porphyrin and chlorophyll metabolism |
| COL14A1 | Protein digestion and absorption |
| ASPH | Calcium signaling pathway; Cardiac muscle contraction |
| EIF2S1 | Apoptosis; Autophagy - animal; Hepatitis C; Herpes simplex virus 1 infection; Influenza A; Measles; Non-alcoholic fatty liver disease (NAFLD); Protein processing in endoplasmic reticulum; RNA transport |
| SNX4 | Endocytosis |
| IMPDH2 | Drug metabolism - other enzymes; Metabolic pathways; Purine metabolism |