

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; Spliceosome; 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