

| WormBase IIGene Name | LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 |
|----------------------|---|--|--|------------|
| WBGene000icht-1 | CARBOHYDIAMINO SUG. | AMINO SUG. | AMINO SUGAR AND NUCLEOTIDE SUGAR METAB | |
| WBGene000irpoa-12 | OTHER | OTHER | OTHER | OTHER |
| WBGene000 C07D8.6 | LIPIDS | STEROID MEBIOSYNTH | BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES | |
| WBGene000:Y53G8AL.2 | ENERGY | ELECTRON ETC-COMPLETC-COMPLEX I | | |
| WBGene000iant-1.1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000 Y39G8B.1 | CARBOHYDIGLYCEROLIIBIOSYNTH | BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES;I | | |
| WBGene000 Y39G8B.2 | LIPIDS | STEROID MEBIOSYNTH | BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES | |
| WBGene000 ddo-3 | AMINO ACIDALA, ASP/A | ASPARTATEASPARTATE/ASPARAGINE METABOLISM | | |
| WBGene000iprdx-2 | REACTIVE CROS METABROS METABROS METABOLISM | | | |
| WBGene000icka-1 | LIPIDS | GLYCEROPGLYCEROPGLYCEROPHOSPHOLIPID METABOLISM | | |
| WBGene000idiv-1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000 nkb-3 | OTHER | OTHER | OTHER | OTHER |
| WBGene000isdhb-1 | ENERGY | ELECTRON ETC-COMPLETC-COMPLEX II;TRICARBOXYLIC ACID CYCLE | | |
| WBGene000ibca-1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000icyp-37A1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000 cgt-1 | LIPIDS | SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM | | |
| WBGene000 pdha-1 | CARBOHYDIGLYCOLYSI;GLYCOLYSI | GLYCOLYSIS/GLUCONEOGENESIS;PYRUVATE M | | |
| WBGene000ihsp-6 | COFACTOR;IRON METAEIRON METAEIRON METABOLISM;OTHER | | | |
| WBGene000IF01D4.8 | AMINO ACIDCYS AND MECYSTEINE | CYSTEINE METABOLISM;SELENOCOMPOUND ME | | |
| WBGene000igpx-3 | REACTIVE CGLUTATHIOIGLUTATHIOIGLUTATHIONE METABOLISM | | | |
| WBGene000igpx-5 | REACTIVE CGLUTATHIOIGLUTATHIOIGLUTATHIONE METABOLISM | | | |
| WBGene000iars-1 | OTHER | AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS | | |
| WBGene000iars-2 | OTHER | AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS | | |
| WBGene000 metr-1 | ONE CARBCFOLATE CY(FOLATE CY(FOLATE CYCLE;MET/SAM CYCLE;VITAMIN B12 E | | | |
| WBGene000 R102.4 | AMINO ACIDGLY, SER A GLYCINE ANGLYCINE AND THREONINE METABOLISM OTHER | | | |
| WBGene000 pcyt-1 | LIPIDS | GLYCEROPGLYCEROPGLYCEROPHOSPHOLIPID METABOLISM | | |
| WBGene000 Y49E10.4 | OTHER | COLLAGEN ICOLLAGEN ICOLLAGEN BIOSYNTHESIS | | |
| WBGene000:W06E11.1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000 ugt-48 | OTHER | UGT ENZYMU | UGT ENZYMU | UGT ENZYME |
| WBGene000 Y52B11C.1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000 C03A7.13 | OTHER | UGT ENZYMU | UGT ENZYMU | UGT ENZYME |
| WBGene000IF02E9.7 | COFACTOR;GLYCEROPGLYCEROPGLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA | | | |
| WBGene000iargk-1 | AMINO ACIDARG AND PFARGININE | MARGININE METABOLISM | | |
| WBGene000 mecr-1 | LIPIDS | FATTY ACIDMITOCHONEMITOCHONDRIAL FATTY ACID DEGRADATION | | |
| WBGene000 F53F10.2 | AMINO ACIDARG AND PFARGININE | MARGININE METABOLISM | | |
| WBGene000:ZK563.7 | NUCLEOTIDPURINE ME'PURINE ME'PURINE METABOLISM;PYRIMIDINE METABOLISM | | | |
| WBGene000 rpb-5 | OTHER | OTHER | OTHER | OTHER |
| WBGene000 algn-13 | CARBOHYDISUGARS | N-GLYCAN EN-GLYCAN BIOSYNTHESIS | | |
| WBGene000ivps-34 | OTHER | INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM | | |
| WBGene000 R07E4.3 | ENERGY | ELECTRON ETC-COMPLETC-COMPLEX III | | |
| WBGene000 R10D12.15 | CARBOHYDIAMINO SUG. | AMINO SUG. | AMINO SUGAR AND NUCLEOTIDE SUGAR METAB | |
| WBGene000ivars-1 | OTHER | AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS | | |
| WBGene000 H24K24.3 | CARBOHYDIGLYCOLYSI;GLYCOLYSI;GLYCOLYSIS/GLUCONEOGENESIS;RETINOL MET | | | |
| WBGene000ifat-4 | LIPIDS | FATTY ACIDFATTY ACIDPUFA BIOSYNTHESIS | | |
| WBGene000 acs-15 | LIPIDS | FATTY ACIDFATTY ACIDFATTY ACID BIOSYNTHESIS OTHER;FATTY ACID | | |
| WBGene000icco-1 | ENERGY | ELECTRON ETC-COMPLETC-COMPLEX IV | | |
| WBGene000icars-1 | AMINO ACIDAMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS;CYSTEINE ME | | | |
| WBGene000 Y44A6D.5 | AMINO ACIDBRANCHED-ISOLEUCINEISOLEUCINE DEGRADATION;LEUCINE DEGRADA' | | | |
| WBGene000 Y10G11A.1 | COFACTOR;NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM;P | | | |
| WBGene000 ampd-1 | NUCLEOTIDPURINE ME'PURINE ME'PURINE METABOLISM | | | |
| WBGene000iparg-1 | COFACTOR;NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM | | | |
| WBGene000iparp-2 | COFACTOR;NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM | | | |
| WBGene000itank-1 | COFACTOR;NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM | | | |
| WBGene000 acdh-1 | AMINO ACIDBRANCHED-ISOLEUCINEISOLEUCINE DEGRADATION;MITOCHONDRIAL FA | | | |
| WBGene000ifmo-3 | OTHER | OTHER | OTHER | OTHER |
| WBGene000ifmo-4 | OTHER | OTHER | OTHER | OTHER |
| WBGene000idgk-3 | LIPIDS | GLYCEROLIIGLYCEROLIIGLYCEROLIPID METABOLISM;GLYCEROPHOSPH | | |
| WBGene000 cyp-35A4 | OTHER | OTHER | OTHER | OTHER |

ISOLISM;CHITIN DEGRADATION

FRUCTOSE AND MANNOSE METABOLISM;GALACTOSE METABOLISM;GLYCEROLIPID METABOLISM;METHYLGL

ETABOLISM

ETABOLISM;SULFUR METABOLISM

NZYME

WIN METABOLISM

ISOLISM;CHITIN DEGRADATION

ABOLISM

DEGRADATION OTHER

.TABOLISM

TION;VALINE DEGRADATION

'URINE METABOLISM;PYRIMIDINE METABOLISM

ATTY ACID DEGRADATION;PROPIONATE DEGRADATION SHUNT;VALINE DEGRADATION

OLIPID METABOLISM

YOXAL DETOXIFICATION;PENTOSE AND GLUCURONATE INTERCONVERSIONS

| | | |
|---------------------|---------------------------|---|
| WBGene000 R05D11.9 | LIPIDS | SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000 F42F12.3 | LIPIDS | STEROID MESTEROID MESTEROID METABOLISM OTHER |
| WBGene000 idnj-15 | COFACTOR: | IRON METAEIRON METAEIRON METABOLISM;OTHER |
| WBGene000 isqrd-1 | ENERGY | SULFUR ME SULFUR ME SULFUR METABOLISM |
| WBGene000 ifmo-1 | OTHER | OTHER OTHER OTHER |
| WBGene000 ifmo-2 | OTHER | OTHER OTHER OTHER |
| WBGene000 pccb-1 | LIPIDS | SHORT CHAPROPIONATPROPIONATE DEGRADATION CANONICAL |
| WBGene000 ipla-7 | LIPIDS | ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;GLYCEROPHOSPHOL |
| WBGene000 pho-9 | COFACTOR: | GLYCEROPHGLYCEROPHGLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA |
| WBGene000 ielo-2 | LIPIDS | FATTY ACIDFATTY ACIDMUFA BIOSYNTHESIS;PUFA BIOSYNTHESIS |
| WBGene000 ugt-58 | OTHER | UGT ENZYMUGT ENZYMUGT ENZYME |
| WBGene000 acp-1 | COFACTOR: | RIBOFLAVINRIBOFLAVINRIBOFLAVIN METABOLISM |
| WBGene000 T07F10.1 | AMINO ACIDCYS AND M | CYSTEINE MCYSTEINE METABOLISM;GLUTATHIONE METABO |
| WBGene000 T13G4.4 | ONE CARBCMET/SAM C | MET/SAM C MET/SAM CYCLE |
| WBGene000 prx-10 | OTHER | AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000 cyp-35A1 | OTHER | OTHER OTHER OTHER |
| WBGene000 igfat-1 | AMINO ACI | ALA, ASP/A AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 ZC416.6 | OTHER | OTHER OTHER OTHER |
| WBGene000 ugt-63 | OTHER | UGT ENZYMUGT ENZYMUGT ENZYME |
| WBGene000 W02F12.2 | LIPIDS | SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000 ipaf-2 | LIPIDS | ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM |
| WBGene000 hpvt-1 | NUCLEOTID | PURINE ME PURINE ME PURINE METABOLISM |
| WBGene000 ddo-2 | AMINO ACIDALA, ASP/A | ASPARTATEASPARTATE/ASPARAGINE METABOLISM |
| WBGene000 lis-1 | LIPIDS | ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM |
| WBGene000 F07A11.5 | CARBOHYDIPENTOSE P | PENTOSE P PENTOSE PHOSPHATE PATHWAY |
| WBGene000 R04B3.2 | OTHER | OTHER OTHER OTHER |
| WBGene000 hacd-1 | AMINO ACIDBRANCHED-ISO | LEUCINEISOLEUCINE DEGRADATION;KETONE BODY MET. |
| WBGene000 F54C8.1 | AMINO ACIDBRANCHED-ISO | LEUCINEISOLEUCINE DEGRADATION;KETONE BODY MET. |
| WBGene000 mpst-5 | AMINO ACIDCYS AND M | CYSTEINE MCYSTEINE METABOLISM;SULFUR METABOLISM |
| WBGene000 mpst-6 | AMINO ACIDCYS AND M | CYSTEINE MCYSTEINE METABOLISM;SULFUR METABOLISM |
| WBGene000 imtm-6 | OTHER | INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 K11H3.3 | CARBOHYDIORGANIC A | PYRUVATE IPYRUVATE METABOLISM;TRICARBOXYLIC ACID |
| WBGene000 oga-1 | OTHER | OTHER OTHER OTHER |
| WBGene000 Y71H2AM.2 | OTHER | INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 imtm-1 | OTHER | INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 F23C8.5 | ENERGY | ELECTRON ELECTRON ELECTRON TRANSFER FLAVOPROTEIN |
| WBGene000 indx-2 | NUCLEOTID | PURINE ME PURINE ME PURINE METABOLISM |
| WBGene000 ippk-1 | OTHER | INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 idhg-2 | ENERGY | TRICARBOXTRICARBOXTRICARBOXYLIC ACID CYCLE |
| WBGene000 nprt-1 | COFACTOR: | NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM |
| WBGene000 C33A12.1 | ENERGY | ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 K04C2.2 | OTHER | OTHER OTHER OTHER |
| WBGene000 ielo-1 | LIPIDS;OTH | ASCAROSIDASCAROSIDASCAROSIDE BIOSYNTHESIS;MUFA BIOSYNTHE |
| WBGene000 Y17G7B.3 | OTHER | METHYLGLYMETHYLGLYMETHYLGLYOXAL DETOXIFICATION |
| WBGene000 T27F6.6 | LIPIDS | SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000 acox-3 | LIPIDS;OTH | ASCAROSIDASCAROSIDASCAROSIDE BIOSYNTHESIS;PEROXISOMAL FA |
| WBGene000 gpi-1 | CARBOHYDIAMINO SUG. | AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 let-754 | NUCLEOTID | PURINE ME PURINE ME PURINE METABOLISM |
| WBGene000 isqv-4 | CARBOHYDIAMINO SUG. | AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 icha-1 | LIPIDS | GLYCEROPHGLYCEROPHGLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 rpb-9 | OTHER | OTHER OTHER OTHER |
| WBGene000 igst-11 | OTHER | OTHER OTHER OTHER |
| WBGene000 ieg1-8 | OTHER | INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 hyl-2 | LIPIDS | SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000 mboa-2 | COFACTOR: | GLYCEROLIIGLYCEROLIIGLYCEROLIPID METABOLISM;RETINOL METABOL |
| WBGene000 F25E2.3 | LIPIDS | FATTY ACIDBIOSYNTHEBIOSYNTHESIS OF BILE ACID-LIKE MOLECULES;f |
| WBGene000 idlat-2 | CARBOHYDIGLYCOLYSI | GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS;PYRUVATE M |
| WBGene000 B0250.5 | AMINO ACIDBRANCHED-VALINE | DEGVALINE DEGRADATION |
| WBGene000 isars-1 | OTHER;OTH | AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS;SELENOCOMF |

LIPID METABOLISM
 VIN METABOLISM

LISIM;GLYCINE AND THREONINE METABOLISM OTHER

OLISM;GLUTAMATE/GLUTAMINE METABOLISM

ABOLISM;MITOCHONDRIAL FATTY ACID DEGRADATION;VALINE DEGRADATION
 ABOLISM;LYSINE DEGRADATION;MITOCHONDRIAL FATTY ACID DEGRADATION;VALINE DEGRADATION

CYCLE

SIS;PUFA BIOSYNTHESIS

TTY ACID DEGRADATION
 OLISM;GLYCOLYSIS/GLUCONEOGENESIS;PENTOSE PHOSPHATE PATHWAY;STARCH AND SUCROSE METABC

OLISM;PENTOSE AND GLUCURONATE INTERCONVERSIONS

.ISM
 FATTY ACID BIOSYNTHESIS OTHER
 ETABOLISM

OUND METABOLISM

DLISM

| | | | | |
|----------------------|--|----------------------------------|--|--|
| WBGene000lfe-2 | OTHER | INOSITOL P | INOSITOL P | INOSITOL PHOSPHATE METABOLISM |
| WBGene000 hrg-1 | COFACTOR: | IRON METAEIRON | METAEIRON | METABOLISM |
| WBGene000itag-179 | CARBOHYDISUGARS | N-GLYCAN | EN-GLYCAN | BIOSYNTHESIS |
| WBGene000B0272.3 | AMINO ACIDBRANCHED-ISOLEUCINE | ISOLEUCINE | DEGRADATION; | KETONE BODY MET. |
| WBGene000:ZC8.6 | OTHER | INOSITOL P | INOSITOL P | INOSITOL PHOSPHATE METABOLISM |
| WBGene000:T02G5.7 | LIPIDS;OTH | FATTY ACIDFATTY ACID | FATTY ACID | BIOSYNTHESIS OTHER;KETONE BOI |
| WBGene000:gba-4 | LIPIDS | SPHINGOLIFSPHINGOLIF | SPHINGOLIPID | METABOLISM |
| WBGene000 apy-1 | NUCLEOTID | PURINE METPURINE MET | PURINE METABOLISM; | PYRIMIDINE METABOLISM |
| WBGene000 ZK1058.3 | CARBOHYDIAMINO SUG. | AMINO SUG. | AMINO SUGAR AND NUCLEOTIDE | SUGAR METAB |
| WBGene000igcy-29 | OTHER | GUANYLATEGUANYLATE | GUANYLATE | CYCLASE |
| WBGene000:ZK370.4 | LIPIDS | GLYCEROPGLYCEROPGLYCEROP | GLYCEROPHOSPHOLIPID | METABOLISM |
| WBGene000 nit-1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000ictb-1 | ENERGY | ELECTRON ETC-COMPLETC- | COMPLEX III | |
| WBGene000:cerk-1 | LIPIDS | SPHINGOLIFSPHINGOLIF | SPHINGOLIPID | METABOLISM |
| WBGene000IF12F6.7 | OTHER | OTHER | OTHER | OTHER |
| WBGene000 vha-18 | OTHER | VACUOLAR .VACUOLAR . | VACUOLAR ATP-ASE | |
| WBGene000 catp-1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000lage-1 | OTHER | INOSITOL P | INOSITOL P | INOSITOL PHOSPHATE METABOLISM |
| WBGene000 yars-1 | OTHER | AMINOACYLAMINOACYLAMINOACYL- | TRNA | BIOSYNTHESIS |
| WBGene000ifmo-5 | OTHER | OTHER | OTHER | OTHER |
| WBGene000 Y105E8A.20 | OTHER | AMINOACYLAMINOACYLAMINOACYL- | TRNA | BIOSYNTHESIS |
| WBGene000 pho-6 | COFACTOR: | GLYCEROPGLYCEROPGLYCEROP | GLYCEROPHOSPHOLIPID | METABOLISM;RIBOFLA |
| WBGene000:Y53G8B.2 | LIPIDS | GLYCEROLIIGLYCEROLIIGLYCEROLI | GLYCEROLIPID | METABOLISM |
| WBGene000bli-4 | OTHER | COLLAGEN I | COLLAGEN I | COLLAGEN BIOSYNTHESIS |
| WBGene000bli-3 | OTHER | COLLAGEN I | COLLAGEN I | COLLAGEN BIOSYNTHESIS |
| WBGene000 W09C5.8 | ENERGY | ELECTRON ETC-COMPLETC- | COMPLEX IV | |
| WBGene000:T05C3.6 | LIPIDS | ETHER LIPI | ETHER LIPI | ETHER LIPID METABOLISM;GLYCEROPHOSPHOL |
| WBGene000pyk-1 | CARBOHYDIGLYCOLYSI: | GLYCOLYSI: | GLYCOLYSIS/GLUCONEOGENESIS; | PURINE META/ |
| WBGene000icdd-1 | NUCLEOTID | PYRIMIDINEPYRIMIDINE | PYRIMIDINE | METABOLISM |
| WBGene000ucp-4 | OTHER | OTHER | OTHER | OTHER |
| WBGene000 K07B1.4 | LIPIDS | GLYCEROLIIGLYCEROLIIGLYCEROLI | GLYCEROLIPID | METABOLISM |
| WBGene000 acl-14 | LIPIDS | GLYCEROPGLYCEROPGLYCEROP | GLYCEROPHOSPHOLIPID | METABOLISM |
| WBGene000iatp-5 | ENERGY | ELECTRON ETC-COMPLETC- | COMPLEX V | |
| WBGene000 idi-1 | OTHER | MEVALONAIMEVALONAIMEVALONATE | METABOLISM | |
| WBGene000ifolt-1 | ONE CARBCFOLATE CY(FOLATE CY(FOLATE | CYCLE | | |
| WBGene000 mmcm-1 | LIPIDS;OTH | SHORT CHAPROPIONATPROPIONATE | DEGRADATION CANONICAL; | VITAM |
| WBGene000 fars-2 | OTHER | AMINOACYLAMINOACYLAMINOACYL- | TRNA | BIOSYNTHESIS |
| WBGene000 vha-14 | OTHER | VACUOLAR .VACUOLAR . | VACUOLAR ATP-ASE | |
| WBGene000:T24C12.3 | NUCLEOTID | PYRIMIDINEPYRIMIDINE | PYRIMIDINE | METABOLISM |
| WBGene000:cpt-3 | LIPIDS | FATTY ACIDMITOCHONEMITOCHONDRIAL | FATTY ACID | DEGRADATION |
| WBGene000 R08F11.1 | LIPIDS | SPHINGOLIFSPHINGOLIFSPHINGOLIPID | METABOLISM | |
| WBGene000 umps-1 | COFACTOR: | NICOTINATENICOTINATENICOTINATE | AND NICOTINAMIDE | METABOLISM;F |
| WBGene000:T24C4.5 | OTHER | OTHER | OTHER | OTHER |
| WBGene000 cysl-3 | AMINO ACIDCYS AND MECYSTEINE | CYSTEINE | METABOLISM;SELENOCOMPOUND ME | |
| WBGene000ichup-1 | LIPIDS | STEROID MBIOSYNTHE | BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES | |
| WBGene000iunc-17 | LIPIDS | GLYCEROPGLYCEROPGLYCEROP | GLYCEROPHOSPHOLIPID | METABOLISM |
| WBGene000icts-1 | ENERGY | TRICARBOXTRICARBOXTRICARBOXYLIC | ACID | CYCLE |
| WBGene000 F41E6.5 | CARBOHYDIORGANIC AIGLYOXYLATGLYOXYLATE | AND DICARBOXYLATE | METABOLIS | |
| WBGene000 K12H4.7 | OTHER | OTHER | OTHER | OTHER |
| WBGene000igly-13 | CARBOHYDISUGARS | N-GLYCAN | EN-GLYCAN | BIOSYNTHESIS |
| WBGene000ipdi-3 | OTHER | COLLAGEN I | COLLAGEN I | COLLAGEN BIOSYNTHESIS |
| WBGene000:nduf-5 | ENERGY | ELECTRON ETC-COMPLETC- | COMPLEX I | |
| WBGene000 qdpr-1 | COFACTOR: | FOLATE BIOFOLATE | BIOFOLATE | BIOSYNTHESIS |
| WBGene000 T03F6.3 | CARBOHYDIAMINO SUG. | AMINO SUG. | AMINO SUGAR AND NUCLEOTIDE | SUGAR METAB |
| WBGene000IC14A4.3 | CARBOHYDISUGARS | N-GLYCAN | EN-GLYCAN | BIOSYNTHESIS |
| WBGene000iugt-1 | OTHER | UGT ENZYMU | UGT ENZYMU | UGT ENZYME |
| WBGene000nuo-1 | ENERGY | ELECTRON ETC-COMPLETC- | COMPLEX I | |
| WBGene000 Y39B6A.3 | COFACTOR: | IRON METAEIRON | METAEIRON | METABOLISM;OTHER |
| WBGene000 C16A3.5 | ENERGY | ELECTRON ETC-COMPLETC- | COMPLEX I | |

ABOLISM;LYSINE DEGRADATION;MITOCHONDRIAL FATTY ACID DEGRADATION;VALINE DEGRADATION
DY METABOLISM;MITOCHONDRIAL FATTY ACID DEGRADATION

OLISM;GALACTOSE METABOLISM

WIN METABOLISM

.LIPID METABOLISM
ABOLISM

IN B12 ENZYME

YRIMIDINE METABOLISM

ETABOLISM;SULFUR METABOLISM

IM

OLISM

| | |
|---------------------|--|
| WBGene000 T25B9.9 | CARBOHYDIPENTOSE P PENTOSE P PENTOSE PHOSPHATE PATHWAY |
| WBGene000 T03D8.6 | OTHER AMIN GLUTATHIO I GLUTATHIO I GLUTATHIONE METABOLISM; TAURINE AND HYP |
| WBGene000 isams-1 | AMINO ACID CYS AND MET/SAM C MET/SAM CYCLE; METHIONINE SALVAGE |
| WBGene000 iset-6 | OTHER OTHER OTHER OTHER |
| WBGene000 ugt-49 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 ugt-39 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 F32D8.12 | CARBOHYDIMETHYLGLYMETHYLGLYMETHYLGLYOXAL DETOXIFICATION; PYRUVATE M |
| WBGene000 C49F5.5 | OTHER OTHER OTHER OTHER |
| WBGene000 ifce-2 | OTHER OTHER OTHER OTHER |
| WBGene000 cco-2 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX IV |
| WBGene000:T27A3.6 | AMINO ACID ALA, ASP/A ALANINE MEALANINE METABOLISM; CYSTEINE METABOLISM; I |
| WBGene000 F41E7.6 | LIPIDS FATTY ACID MITOCHON I MITOCHONDRIAL FATTY ACID DEGRADATION |
| WBGene000 inkat-1 | AMINO ACID PHENYLALAPHENYLALAPHENYLALANINE DEGRADATION; TRYPTOPHAN I |
| WBGene000 fgt-1 | CARBOHYDIGLYCOLYSI GALACTOSE GALACTOSE METABOLISM; GLYCOLYSIS/ GLUCOI |
| WBGene000 H14N18.4 | OTHER AMIN GLUTATHIO I GLUTATHIO I GLUTATHIONE METABOLISM; TAURINE AND HYP |
| WBGene000 helq-1 | OTHER OTHER OTHER OTHER |
| WBGene000 itatn-1 | AMINO ACID CYS AND MET METHIONIN I METHIONINE SALVAGE; PHENYLALANINE DEGRA |
| WBGene000 iaagr-3 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000 C39B5.6 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000:T20H4.5 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 pde-4 | NUCLEOTID PURINE ME I PURINE ME I PURINE METABOLISM |
| WBGene000 mboa-6 | LIPIDS GLYCEROP I GLYCEROP I GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 pdhb-1 | CARBOHYDIGLYCOLYSI I GLYCOLYSI GLYCOLYSIS/ GLUCONEOGENESIS; PYRUVATE M |
| WBGene000 ugt-24 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 vha-15 | OTHER VACUOLAR VACUOLAR VACUOLAR ATP-ASE |
| WBGene000 hex-1 | CARBOHYDIAMINO SUG. AMINO SUG. AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 ismd-1 | AMINO ACID CYS AND MET METHIONIN I METHIONINE SALVAGE |
| WBGene000 idao-3 | ONE CARBC FOLATE CY(FOLATE CY(FOLATE CYCLE |
| WBGene000 trxr-1 | OTHER AMI ROS METABROS METABROS METABOLISM; SELENO COMPOUND METABC |
| WBGene000 met-1 | OTHER OTHER OTHER OTHER |
| WBGene000 ugt-46 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 lsy-12 | OTHER OTHER OTHER OTHER |
| WBGene000 flad-1 | COFACTOR I RIBOFLAVIN RIBOFLAVIN RIBOFLAVIN METABOLISM |
| WBGene000:T22F3.3 | CARBOHYDISUGARS STARCH AN STARCH AND SUCROSE METABOLISM |
| WBGene000 R09D1.14 | CARBOHYDIAMINO SUG. AMINO SUG. AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 ugt-54 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 acs-18 | LIPIDS FATTY ACID FATTY ACID FATTY ACID BIOSYNTHESIS OTHER; FATTY ACID |
| WBGene000 acox-1.6 | LIPIDS FATTY ACID BIOSYNTH E BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES; I |
| WBGene000 rpc-11 | OTHER OTHER OTHER OTHER |
| WBGene000 fut-8 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000 ppk-2 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 ppk-3 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 uda-1 | NUCLEOTID PURINE ME I PURINE ME I PURINE METABOLISM; PYRIMIDINE METABOLISM |
| WBGene000 nduo-6 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 Y51H1A.3 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 ugt-12 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 ugt-11 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000:T19H12.6 | OTHER AMIN GLUTATHIO I GLUTATHIO I GLUTATHIONE METABOLISM; TAURINE AND HYP |
| WBGene000 Y48E1B.3 | OTHER OTHER OTHER OTHER |
| WBGene000 tkt-1 | CARBOHYDIPENTOSE P PENTOSE P PENTOSE PHOSPHATE PATHWAY |
| WBGene000 ugt-10 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 hxx-3 | CARBOHYDIAMINO SUG. AMINO SUG. AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 nars-2 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000:Y37B11A.2 | OTHER OTHER OTHER OTHER |
| WBGene000 induf-6 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 atgl-1 | LIPIDS GLYCEROLI I GLYCEROLI I GLYCEROLIPID METABOLISM |
| WBGene000 iglp-4 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000 igsr-1 | REACTIVE C GLUTATHIO I GLUTATHIO I GLUTATHIONE METABOLISM |
| WBGene000 ugt-20 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |

CTAURINE METABOLISM

METABOLISM

MOLYBDENUM COFACTOR BIOSYNTHESIS

DEGRADATION

NEOGENESIS;N-GLYCAN BIOSYNTHESIS;STARCH AND SUCROSE METABOLISM
CTAURINE METABOLISM

DATION;TYROSINE METABOLISM;UBIQUINONE METABOLISM

ETABOLISM

COLISM;SPHINGOLIPID METABOLISM

OLISM

COLISM;CHITIN DEGRADATION

DEGRADATION OTHER

PEROXISOMAL FATTY ACID DEGRADATION

CTAURINE METABOLISM

COLISM;FRUCTOSE AND MANNOSE METABOLISM;GLYCOLYSIS/GLUCONEOGENESIS;STARCH AND SUCROSE M

METABOLISM

| | |
|---------------------|--|
| WBGene000:Y37B11A.3 | CARBOHYDIORGANIC A(PYRUVATE IPYRUVATE METABOLISM;TRICARBOXYLIC ACID |
| WBGene000 gpx-7 | REACTIVE CGLUTATHIOIGLUTATHIOIGLUTATHIONE METABOLISM |
| WBGene000 ugt-19 | OTHER UGT ENZYMUPT ENZYMUPT ENZYME |
| WBGene000indx-6 | NUCLEOTIDPURINE METPURINE METPURINE METABOLISM |
| WBGene000frh-1 | COFACTOR:IRON METAEIRON METAEIRON METABOLISM;OTHER |
| WBGene000icah-6 | OTHER OTHER OTHER OTHER |
| WBGene000 R10H10.6 | COFACTOR:RIBOFLAVINRIBOFLAVINRIBOFLAVIN METABOLISM |
| WBGene000 ugt-26 | OTHER UGT ENZYMUPT ENZYMUPT ENZYME |
| WBGene000icah-2 | OTHER OTHER OTHER OTHER |
| WBGene000ugt-2 | OTHER UGT ENZYMUPT ENZYMUPT ENZYME |
| WBGene000 aagr-1 | CARBOHYDISUGARS GALACTOSEGALACTOSE METABOLISM;STARCH AND SUCRO |
| WBGene000icah-5 | OTHER OTHER OTHER OTHER |
| WBGene000:acs-3 | LIPIDS FATTY ACIDFATTY ACIDFATTY ACID BIOSYNTHESIS OTHER;FATTY ACID |
| WBGene000:stt-3 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000:T12A2.1 | AMINO ACIDHISTIDINE HISTIDINE HISTIDINE DEGRADATION |
| WBGene000:ech-1.2 | AMINO ACIDBRANCHED-ISOLEUCINEISOLEUCINE DEGRADATION;KETONE BODY MET. |
| WBGene000 Y43F4B.5 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 F53C3.13 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;GLYCEROLIPID META |
| WBGene000:glc-1 | AMINO ACIDGLY, SER A GLYCINE ANGLYCINE AND THREONINE METABOLISM OTHER |
| WBGene000iftn-1 | COFACTOR:IRON METAEIRON METAEIRON METABOLISM |
| WBGene000:dot-1.1 | OTHER OTHER OTHER OTHER |
| WBGene000 ugt-8 | OTHER UGT ENZYMUPT ENZYMUPT ENZYME |
| WBGene000 Y7A9A.1 | OTHER AMIIGLUTATHIOIGLUTATHIOIGLUTATHIONE METABOLISM;TAURINE AND HYP |
| WBGene000 Y75B8A.24 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000:pgk-1 | CARBOHYDIGLYCOLYSI GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS |
| WBGene000iftn-2 | COFACTOR:IRON METAEIRON METAEIRON METABOLISM |
| WBGene000 F33D4.4 | LIPIDS SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000 acl-5 | LIPIDS GLYCEROLIIGLYCEROLIIGLYCEROLIPID METABOLISM;GLYCEROPHOSPH |
| WBGene000:T02H6.11 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX III |
| WBGene000dif-1 | LIPIDS FATTY ACIDMITOCHON[MITOCHONDRIAL FATTY ACID DEGRADATION |
| WBGene000:ugt-53 | OTHER UGT ENZYMUPT ENZYMUPT ENZYME |
| WBGene000dyn-1 | OTHER OTHER OTHER OTHER |
| WBGene000ifum-1 | ENERGY TRICARBOXTRICARBOXTRICARBOXYLIC ACID CYCLE |
| WBGene000ieat-3 | OTHER OTHER OTHER OTHER |
| WBGene000ieat-6 | OTHER OTHER OTHER OTHER |
| WBGene000 aldo-1 | CARBOHYDIGLYCOLYSI GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS;PENTOSE PH |
| WBGene000 tyr-4 | AMINO ACIDTYROSINE MTYROSINE MTYROSINE METABOLISM |
| WBGene000 acl-7 | LIPIDS GLYCEROP[GLYCEROP[GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 pisy-1 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000:ZC513.5 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000:tyr-6 | AMINO ACIDTYROSINE MTYROSINE MTYROSINE METABOLISM |
| WBGene000:ipla-6 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;GLYCEROPHOSPHOL |
| WBGene000 klo-2 | CARBOHYDISUGARS STARCH ANSTARCH AND SUCROSE METABOLISM |
| WBGene000wars-1 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000:dhod-1 | NUCLEOTIDPYRIMIDINEPYRIMIDINEPYRIMIDINE METABOLISM |
| WBGene000iethe-1 | ENERGY SULFUR ME SULFUR ME SULFUR METABOLISM |
| WBGene000ipaf-1 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM |
| WBGene000iagmo-1 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM |
| WBGene000 ogdh-2 | AMINO ACIDLYSINE DEGLYSINE DEGLYSINE DEGRADATION;TRICARBOXYLIC ACID CY |
| WBGene000let-767 | LIPIDS;OTH ASCAROSIDASCAROSIDASCAROSIDE BIOSYNTHESIS;BCFA BIOSYNTHES |
| WBGene000imes-2 | OTHER OTHER OTHER OTHER |
| WBGene000 gdh-1 | AMINO ACIDALA, ASP/A GLUTAMATEGLUTAMATE/GLUTAMINE METABOLISM |
| WBGene000ikars-1 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000 K01C8.1 | AMINO ACIDGLY, SER A GLYCINE ANGLYCINE AND THREONINE METABOLISM OTHER |
| WBGene000imboa-4 | LIPIDS GLYCEROLIIGLYCEROLIIGLYCEROLIPID METABOLISM;GLYCEROPHOSPH |
| WBGene000icyp-29A4 | OTHER OTHER OTHER OTHER |
| WBGene000 hsd-1 | LIPIDS STEROID MBIOSYNTHEBIOSYNTHESIS OF BILE ACID-LIKE MOLECULES |
| WBGene000 gpdh-2 | LIPIDS GLYCEROP[GLYCEROP[GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000iasp-5 | OTHER OTHER OTHER OTHER |

CYCLE

SE METABOLISM

DEGRADATION OTHER

ABOLISM;LYSINE DEGRADATION;MITOCHONDRIAL FATTY ACID DEGRADATION;VALINE DEGRADATION
 ;OLISM;PENTOSE PHOSPHATE PATHWAY;STARCH AND SUCROSE METABOLISM
 .BOLISM;GLYCEROPHOSPHOLIPID METABOLISM;SPHINGOLIPID METABOLISM
 ;GLYCINE CLEAVAGE SYSTEM

DTAURINE METABOLISM

OLIPID METABOLISM

OSPHATE PATHWAY

.IPID METABOLISM

'CLE
 ;S;MUFA BIOSYNTHESIS;PUFA BIOSYNTHESIS

;SERINE METABOLISM
 OLIPID METABOLISM

| | |
|---------------------|--|
| WBGene000 Y57G11C.3 | CARBOHYDIPENTOSE P PENTOSE P PENTOSE PHOSPHATE PATHWAY |
| WBGene000 gpap-1 | ENERGY;NUINOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM;PURINE ME |
| WBGene000iaars-1 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000iaars-2 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000iart-1 | LIPIDS;OTH ASCAROSIDASCAROSIDASCAROSIDE BIOSYNTHESIS;BCFA BIOSYNTHES |
| WBGene000iasm-2 | LIPIDS SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000iasm-1 | LIPIDS SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000iparg-2 | COFACTOR;NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM |
| WBGene000:Y45G12B.3 | OTHER OTHER OTHER OTHER |
| WBGene000iasp-3 | OTHER OTHER OTHER OTHER |
| WBGene000iasp-2 | OTHER OTHER OTHER OTHER |
| WBGene000iasp-1 | OTHER OTHER OTHER OTHER |
| WBGene000 pmt-2 | LIPIDS GLYCEROP GLYCEROP GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 dgk-5 | LIPIDS GLYCEROLI GLYCEROLI GLYCEROLIPID METABOLISM;GLYCEROPHOSPH |
| WBGene000isqv-1 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 ipla-1 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;GLYCEROPHOSPHOL |
| WBGene000 T25G3.4 | LIPIDS GLYCEROP GLYCEROP GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 ugt-3 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000:Y56A3A.36 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000 M04D5.1 | OTHER COLLAGEN I COLLAGEN I COLLAGEN BIOSYNTHESIS |
| WBGene000 F44E7.2 | CARBOHYDIORGANIC A GLYOXYLAT GLYOXYLATE AND DICARBOXYLATE METABOLIS |
| WBGene000ipde-3 | NUCLEOTID PURINE ME PURINE ME PURINE METABOLISM |
| WBGene000 trxr-2 | REACTIVE C GLUTATHIO GLUTATHIO GLUTATHIONE METABOLISM |
| WBGene000IC34B7.2 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000imys-4 | OTHER OTHER OTHER OTHER |
| WBGene000IC34C6.4 | LIPIDS GLYCEROP GLYCEROP GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 F54C1.1 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000:guk-1 | NUCLEOTID PURINE ME PURINE ME PURINE METABOLISM |
| WBGene000 F25B5.3 | COFACTOR;NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM;P |
| WBGene000IB0395.3 | LIPIDS FATTY ACIDMITOCHON MITOCHONDRIAL FATTY ACID DEGRADATION;PR |
| WBGene000 F25B5.6 | ONE CARBCFOLATE CY(FOLATE CY(FOLATE CYCLE |
| WBGene000:algn-1 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000 tpk-1 | OTHER OTHER OTHER OTHER |
| WBGene000IC31H5.6 | LIPIDS FATTY ACIDBIOSYNTH BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES;I |
| WBGene000:jhdm-1 | OTHER OTHER OTHER OTHER |
| WBGene000 C14E2.4 | AMINO ACIDARG AND PFCOLLAGEN I COLLAGEN BIOSYNTHESIS;PROLINE METABOLIS |
| WBGene000pho-10 | COFACTOR;GLYCEROP GLYCEROP GLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA |
| WBGene000icept-1 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM |
| WBGene000:Y47G6A.9 | OTHER OTHER OTHER OTHER |
| WBGene000ugt-22 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 got-2.2 | AMINO ACIDALA, ASP/A ASPARTATEASPARTATE/ASPARAGINE METABOLISM;CYSTEII |
| WBGene000imev-1 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX II;TRICARBOXYLIC ACID CYCLE |
| WBGene000IC27A7.5 | AMINO ACIDALA, ASP/A ASPARTATEASPARTATE/ASPARAGINE METABOLISM;ETHER I |
| WBGene000IC27A7.3 | COFACTOR;ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;NICOTINATE AND NIC |
| WBGene000 rpb-8 | OTHER OTHER OTHER OTHER |
| WBGene000IC27A7.1 | COFACTOR;ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;NICOTINATE AND NIC |
| WBGene000iacy-2 | NUCLEOTID PURINE ME PURINE ME PURINE METABOLISM |
| WBGene000iqns-1 | COFACTOR;NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM |
| WBGene000IF10F2.2 | NUCLEOTID PURINE ME PURINE ME PURINE METABOLISM |
| WBGene000iacp-2 | COFACTOR;GLYCEROP GLYCEROP GLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA |
| WBGene000ugt-17 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000ilap-1 | AMINO ACIDCYS AND M CYSTEINE M CYSTEINE METABOLISM;GLUTATHIONE METABO |
| WBGene000ialh-1 | AMINO ACIDGLYCEROLI GLYCEROLI GLYCEROLIPID METABOLISM;GLYCOLYSIS/GLUC |
| WBGene000 rpb-4 | OTHER OTHER OTHER OTHER |
| WBGene000 Y56A3A.19 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000ibre-4 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000ibre-1 | CARBOHYDISUGARS FRUCTOSE FRUCTOSE AND MANNOSE METABOLISM |
| WBGene000iglina-3 | AMINO ACIDALA, ASP/A GLUTAMATEGLUTAMATE/GLUTAMINE METABOLISM |
| WBGene000 K10D2.7 | AMINO ACIDALA, ASP/A ALANINE MEALANINE METABOLISM;CYSTEINE METABOLISM;I |

ETABOLISM;SULFUR METABOLISM

SIS;MUFA BIOSYNTHESIS;PUFA BIOSYNTHESIS

OLIPID METABOLISM

COLISM

.LIPID METABOLISM

M

PURINE METABOLISM;PYRIMIDINE METABOLISM

OPIONATE DEGRADATION OTHER

FATTY ACID BIOSYNTHESIS OTHER

M

WIN METABOLISM

NE METABOLISM;GLUTAMATE/GLUTAMINE METABOLISM;PROLINE METABOLISM;TYROSINE METABOLISM;UBI

LIPID METABOLISM;GLYCEROPHOSPHOLIPID METABOLISM

OTINAMIDE METABOLISM;PURINE METABOLISM;PYRIMIDINE METABOLISM;RIBOFLAVIN METABOLISM;SULFU

OTINAMIDE METABOLISM;PURINE METABOLISM;PYRIMIDINE METABOLISM;RIBOFLAVIN METABOLISM;SULFU

WIN METABOLISM

LISM;GLYCINE AND THREONINE METABOLISM OTHER

ONEOGENESIS;TRYPTOPHAN DEGRADATION

MOLYBDENUM COFACTOR BIOSYNTHESIS

QUINONE METABOLISM

R METABOLISM

R METABOLISM

| | |
|---------------------|--|
| WBGene000ialh-3 | ONE CARBCFOLATE CY(FOLATE CY(FOLATE CYCLE |
| WBGene000ialh-2 | AMINO ACIDARG AND PFARGININE MARGININE METABOLISM;GLYCEROLIPID METABC |
| WBGene000 dgat-2 | LIPIDS GLYCEROLIIGLYCEROLIIGLYCEROLIPID METABOLISM |
| WBGene000;pde-6 | NUCLEOTIDPURINE METPURINE METPURINE METABOLISM |
| WBGene000F26H9.5 | AMINO ACIDGLY, SER A SERINE METSERINE METABOLISM |
| WBGene000 ahcy-1 | ONE CARBCMET/SAM C\MET/SAM C\MET/SAM CYCLE |
| WBGene000 asns-2 | AMINO ACIDALA, ASP/A ASPARTATEASPARTATE/ASPARAGINE METABOLISM;GLUTAM |
| WBGene000itre-5 | CARBOHYDISUGARS STARCH ANSTARCH AND SUCROSE METABOLISM |
| WBGene000itre-4 | CARBOHYDISUGARS STARCH ANSTARCH AND SUCROSE METABOLISM |
| WBGene000;ugt-35 | OTHER UGT ENZYMUGT ENZYMUGT ENZYME |
| WBGene000isucl-1 | ENERGY TRICARBOXTRICARBOXTRICARBOXYLIC ACID CYCLE |
| WBGene000;W10C8.5 | AMINO ACIDARG AND PFARGININE MARGININE METABOLISM |
| WBGene000 mdh-1 | AMINO ACIDCYS AND MECYSTEINE MCYSTEINE METABOLISM;TRICARBOXYLIC ACID C |
| WBGene000rpb-6 | OTHER OTHER OTHER OTHER |
| WBGene000F45H10.2 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX III |
| WBGene000 mthf-1 | ONE CARBCFOLATE CY(FOLATE CY(FOLATE CYCLE |
| WBGene000 dut-1 | NUCLEOTIDPYRIMIDINEPYRIMIDINEPYRIMIDINE METABOLISM |
| WBGene000 set-4 | OTHER OTHER OTHER OTHER |
| WBGene000 ger-1 | CARBOHYDISUGARS FRUCTOSE FRUCTOSE AND MANNOSE METABOLISM |
| WBGene000;ugt-29 | OTHER UGT ENZYMUGT ENZYMUGT ENZYME |
| WBGene000 mpst-4 | AMINO ACIDCYS AND MECYSTEINE MCYSTEINE METABOLISM;SULFUR METABOLISM |
| WBGene000isod-3 | REACTIVE CROS METABROS METABROS METABOLISM |
| WBGene000isod-4 | REACTIVE CROS METABROS METABROS METABOLISM |
| WBGene000isod-1 | REACTIVE CROS METABROS METABROS METABOLISM |
| WBGene000:T25D3.3 | AMINO ACIDCYS AND MECYSTEINE CYSTEINE METABOLISM;SELENOCOMPOUND ME |
| WBGene000;cht-4 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000:T21F4.1 | AMINO ACIDARG AND PFARGININE MARGININE METABOLISM |
| WBGene000 R02D3.1 | AMINO ACIDLYSINE DEGLYSINE DEGLYSINE DEGRADATION |
| WBGene000 men-1 | CARBOHYDIORGANIC AIPYRUVATE PYRUVATE METABOLISM |
| WBGene000 T05G5.5 | COFACTOR:PANTOTHENPANTOTHENPANTOTHENATE AND COA BIOSYNTHESIS |
| WBGene000;ugt-45 | OTHER UGT ENZYMUGT ENZYMUGT ENZYME |
| WBGene000iasah-2 | LIPIDS SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000igpd-1 | CARBOHYDIGLYCOLYSI GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS |
| WBGene000icah-1 | OTHER OTHER OTHER OTHER |
| WBGene000ipp-5 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 mboa-3 | LIPIDS GLYCEROLIIGLYCEROLIIGLYCEROLIPID METABOLISM;GLYCEROPHOSPH |
| WBGene000igpd-4 | CARBOHYDIGLYCOLYSI GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS |
| WBGene000igpd-3 | CARBOHYDIGLYCOLYSI GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS |
| WBGene000igpd-2 | CARBOHYDIGLYCOLYSI GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS |
| WBGene000lpd-5 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 pstk-1 | OTHER AMINSELENOCOISELENOCOISELENOCOMPOUND METABOLISM |
| WBGene000imans-2 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000;set-23 | OTHER OTHER OTHER OTHER |
| WBGene000 F09G2.8 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;GLYCEROPHOSPHOL |
| WBGene000 cdgs-1 | LIPIDS GLYCEROPHGLYCEROPHGLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 ugt-36 | OTHER UGT ENZYMUGT ENZYMUGT ENZYME |
| WBGene000 duox-2 | OTHER OTHER OTHER OTHER |
| WBGene000hxx-1 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000;W03D8.8 | LIPIDS FATTY ACIDBIOSYNTHETBIOSYNTHESIS OF BILE ACID-LIKE MOLECULES;I |
| WBGene000 met-2 | OTHER OTHER OTHER OTHER |
| WBGene000ivha-12 | OTHER VACUOLAR.VACUOLAR.VACUOLAR ATP-ASE |
| WBGene000 mcp-1 | CARBOHYDISUGARS FRUCTOSE FRUCTOSE AND MANNOSE METABOLISM |
| WBGene000 acdh-2 | AMINO ACIDBRANCHED-ISOLEUCINEISOLEUCINE DEGRADATION;MITOCHONDRIAL FA |
| WBGene000 F52C9.3 | LIPIDS GLYCEROLIIGLYCEROLIIGLYCEROLIPID METABOLISM |
| WBGene000:T28D9.3 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;GLYCEROLIPID META |
| WBGene000 Y47D3A.29 | OTHER OTHER OTHER OTHER |
| WBGene000ipnk-1 | COFACTOR:PANTOTHENPANTOTHENPANTOTHENATE AND COA BIOSYNTHESIS |
| WBGene000 F26D11.1 | CARBOHYDIPENTOSE P PENTOSE P PENTOSE PHOSPHATE PATHWAY |
| WBGene000 rpb-11 | OTHER OTHER OTHER OTHER |

OLISM;GLYCOLYSIS/GLUCONEOGENESIS;TRYPTOPHAN DEGRADATION

ATE/GLUTAMINE METABOLISM

YCLE

ETABOLISM;SULFUR METABOLISM
OLISM;CHITIN DEGRADATION

OLIPID METABOLISM

.LIPID METABOLISM

OLISM;FRUCTOSE AND MANNOSE METABOLISM;GLYCOLYSIS/GLUCONEOGENESIS;STARCH AND SUCROSE M
FATTY ACID BIOSYNTHESIS OTHER

ATTY ACID DEGRADATION;VALINE DEGRADATION

BOLISM;GLYCEROPHOSPHOLIPID METABOLISM;SPHINGOLIPID METABOLISM

METABOLISM

| | | |
|---------------------|---|---|
| WBGene000lgy-23 | OTHER | GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000icbp-1 | OTHER | OTHER OTHER OTHER |
| WBGene000ickc-1 | LIPIDS | GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000lgy-19 | OTHER | GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000lgy-20 | OTHER | GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000lgy-21 | OTHER | GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000lgy-22 | OTHER | GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000atic-1 | NUCLEOTID | FOLATE CY(FOLATE CY(FOLATE CYCLE;PURINE METABOLISM |
| WBGene000C01F1.3 | CARBOHYDIAMINO SUG | AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000lgy-17 | OTHER | GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000gyg-2 | CARBOHYDISUGARS | STARCH AN STARCH AND SUCROSE METABOLISM |
| WBGene000nuo-5 | ENERGY | ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000tyr-5 | AMINO ACIDTYROSINE | MTYROSINE MTYROSINE METABOLISM |
| WBGene000fdps-1 | OTHER | MEVALONATEMEVALONATE METABOLISM |
| WBGene000K03H1.13 | CARBOHYDISUGARS | FRUCTOSE FRUCTOSE AND MANNOSE METABOLISM |
| WBGene000iacaa-2 | AMINO ACIDBRANCHED-ISO | LEUCINEISOLEUCINE DEGRADATION;MITOCHONDRIAL FA |
| WBGene000ugt-42 | OTHER | UGT ENZYMUPT ENZYMUPT ENZYME |
| WBGene000R04B5.5 | CARBOHYDIPENTOSE A | FRUCTOSE FRUCTOSE AND MANNOSE METABOLISM;PENTC |
| WBGene000R04B5.6 | CARBOHYDIPENTOSE A | FRUCTOSE FRUCTOSE AND MANNOSE METABOLISM;PENTC |
| WBGene000spl-1 | LIPIDS | SPHINGOLIPID METABOLISM |
| WBGene000ugt-47 | OTHER | UGT ENZYMUPT ENZYMUPT ENZYME |
| WBGene000pde-1 | NUCLEOTID | PURINE METABOLISM |
| WBGene000ickb-2 | LIPIDS | GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000aman-2 | CARBOHYDISUGARS | N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000Y63D3A.7 | ENERGY | ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000piga-1 | OTHER | OTHER OTHER OTHER |
| WBGene000M153.1 | AMINO ACIDARG AND P | FARGININE MARGININE METABOLISM;PROLINE METABOLISM |
| WBGene000ears-2 | OTHER | AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000iglina-2 | AMINO ACIDALA, ASP/A | GLUTAMATEGLUTAMATE/GLUTAMINE METABOLISM |
| WBGene000T20B3.1 | LIPIDS | FATTY ACIDMITOCHON[MITOCHONDRIAL FATTY ACID DEGRADATION |
| WBGene000F59A7.7 | AMINO ACIDCYS AND M | ECYSTEINE CYSTEINE METABOLISM;SELENOCOMPOUND ME |
| WBGene000gpx-4 | REACTIVE | CGLUTATHIO[GLUTATHIO[GLUTATHIONE METABOLISM |
| WBGene000Y94H6A.7 | COFACTOR[GLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA | |
| WBGene000idhp-1 | NUCLEOTID | PYRIMIDINEPYRIMIDINEPYRIMIDINE METABOLISM |
| WBGene000F21D5.1 | CARBOHYDIAMINO SUG | AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000tyr-3 | AMINO ACIDTYROSINE | MTYROSINE MTYROSINE METABOLISM |
| WBGene000idhp-2 | NUCLEOTID | PYRIMIDINEPYRIMIDINEPYRIMIDINE METABOLISM |
| WBGene000idhs-3 | COFACTOR[RETINOL | MERETINOL MERETINOL METABOLISM |
| WBGene000F38B6.4 | AMINO ACIDFOLATE CY | (FOLATE CY(FOLATE CYCLE;GLYCINE AND THREONINE META |
| WBGene000dld-1 | AMINO ACIDBRANCHED-GLYCINE | ANGLYCINE AND THREONINE METABOLISM OTHER |
| WBGene000dbt-1 | AMINO ACIDBRANCHED-ISO | LEUCINEISOLEUCINE DEGRADATION;LEUCINE DEGRADA |
| WBGene000sodh-2 | CARBOHYDIGLYCOLYSI[GLYCOLYSI[GLYCOLYSIS/GLUCONEOGENESIS;RETINOL MET | |
| WBGene000sodh-1 | CARBOHYDIGLYCOLYSI[GLYCOLYSI[GLYCOLYSIS/GLUCONEOGENESIS;RETINOL MET | |
| WBGene000Y71G12B.10 | AMINO ACIDBRANCHED-KETONE | BOKETONE BODY METABOLISM;LEUCINE DEGRADA |
| WBGene000Y105C5B.3 | COFACTOR[FOLATE | BIOFOLATE BIOFOLATE BIOSYNTHESIS;GLYCEROPHOSPHOLIPI |
| WBGene000T05H4.7 | CARBOHYDIAMINO SUG | AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000mpst-2 | AMINO ACIDCYS AND M | ECYSTEINE MCYSTEINE METABOLISM;SULFUR METABOLISM |
| WBGene000chil-12 | CARBOHYDIAMINO SUG | AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000mpst-3 | AMINO ACIDCYS AND M | ECYSTEINE MCYSTEINE METABOLISM;SULFUR METABOLISM |
| WBGene000iacox-1.5 | LIPIDS | FATTY ACIDBIOSYNTHESIS OF BILE ACID-LIKE MOLECULES;f |
| WBGene000Y73B6BL.29 | NUCLEOTID | PYRIMIDINEPYRIMIDINEPYRIMIDINE METABOLISM |
| WBGene000gpx-8 | REACTIVE | CGLUTATHIO[GLUTATHIO[GLUTATHIONE METABOLISM |
| WBGene000nmat-1 | COFACTOR[NICOTINATE | NICOTINATE AND NICOTINAMIDE METABOLISM |
| WBGene000ppat-1 | NUCLEOTID | PURINE METABOLISM |
| WBGene000idh-2 | ENERGY | TRICARBOXTRICARBOXTRICARBOXYLIC ACID CYCLE |
| WBGene000mlcd-1 | LIPIDS | SHORT CHAPROPIONATE DEGRADATION OTHER |
| WBGene000C54E4.5 | OTHER | INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000lbcac-1 | AMINO ACIDBRANCHED-ISO | LEUCINEISOLEUCINE DEGRADATION;LEUCINE DEGRADA |
| WBGene000iemb-8 | LIPIDS | FATTY ACIDFATTY ACIDFATTY ACID BIOSYNTHESIS OTHER |

ISOLISM

FATTY ACID DEGRADATION;PROPIONATE DEGRADATION OTHER

GLUCURONATE INTERCONVERSIONS
 GLUCURONATE INTERCONVERSIONS

METABOLISM;SULFUR METABOLISM

AMINO ACID METABOLISM

ISOLISM

METABOLISM OTHER;PURINE METABOLISM
 ;GLYCINE CLEAVAGE SYSTEM;GLYCOLYSIS/GLUCONEOGENESIS;ISOLEUCINE DEGRADATION;LEUCINE DEGRADATION;PROPIONATE DEGRADATION OTHER;VALINE DEGRADATION

METABOLISM

METABOLISM

AMINO ACID METABOLISM

AMINO ACID METABOLISM

ISOLISM;CHITIN DEGRADATION

ISOLISM;CHITIN DEGRADATION

PEROXISOMAL FATTY ACID DEGRADATION

AMINO ACID METABOLISM;VALINE DEGRADATION

ADATION;LYSINE DEGRADATION;PROPIONATE DEGRADATION OTHER;PYRUVATE METABOLISM;TRICARBOXY

/LIC ACID CYCLE;VALINE DEGRADATION

| | | | | |
|--------------------|--|-------|-------|-------|
| WBGene000 set-16 | OTHER | OTHER | OTHER | OTHER |
| WBGene000ichs-2 | CARBOHYDIAMINO SUG,AMINO SUG,AMINO SUGAR AND NUCLEOTIDE SUGAR METAB | | | |
| WBGene000ichs-1 | CARBOHYDIAMINO SUG,AMINO SUG,AMINO SUGAR AND NUCLEOTIDE SUGAR METAB | | | |
| WBGene000dhs-13 | COFACTOR:RETINOL MERETINOL MERETINOL METABOLISM | | | |
| WBGene000gars-1 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS | | | |
| WBGene000C29F7.3 | NUCLEOTIDPYRIMIDINEPYRIMIDINEPYRIMIDINE METABOLISM | | | |
| WBGene000 acl-1 | LIPIDS GLYCEROLIIGLYCEROLIIGLYCEROLIPID METABOLISM;GLYCEROPHOSPH | | | |
| WBGene000 pde-5 | NUCLEOTIDPURINE ME1PURINE ME1PURINE METABOLISM | | | |
| WBGene000 cbs-1 | AMINO ACIDCYS AND M1CYSTEINE MCYSTEINE METABOLISM;MET/SAM CYCLE;SERIN | | | |
| WBGene000 K09A9.6 | OTHER OTHER OTHER OTHER | | | |
| WBGene000mdh-2 | AMINO ACIDCYS AND M1CYSTEINE MCYSTEINE METABOLISM;TRICARBOXYLIC ACID C | | | |
| WBGene000slc-25A29 | LIPIDS FATTY ACIDMITOCHON1MITOCHONDRIAL FATTY ACID DEGRADATION | | | |
| WBGene000 ugt-5 | OTHER UGT ENZYMU1GT ENZYMU1GT ENZYME | | | |
| WBGene000 ugt-4 | OTHER UGT ENZYMU1GT ENZYMU1GT ENZYME | | | |
| WBGene000 ugt-6 | OTHER UGT ENZYMU1GT ENZYMU1GT ENZYME | | | |
| WBGene000isod-5 | REACTIVE CROS METABROS METABROS METABOLISM | | | |
| WBGene000:T09B4.8 | AMINO ACIDALA, ASP/A ALANINE MEALANINE METABOLISM;GLYCINE AND THREONIN | | | |
| WBGene000 ugt-16 | OTHER UGT ENZYMU1GT ENZYMU1GT ENZYME | | | |
| WBGene000 ugt-18 | OTHER UGT ENZYMU1GT ENZYMU1GT ENZYME | | | |
| WBGene000:W07E6.3 | LIPIDS SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM | | | |
| WBGene000 R07H5.8 | NUCLEOTIDPURINE ME1PURINE ME1PURINE METABOLISM | | | |
| WBGene000icatp-4 | OTHER OTHER OTHER OTHER | | | |
| WBGene000imel-32 | AMINO ACIDFOLATE CY(FOLATE CY(FOLATE CYCLE;GLYCINE AND THREONINE META | | | |
| WBGene000 ath-1 | LIPIDS GLYCEROP1GLYCEROP1GLYCEROPHOSPHOLIPID METABOLISM | | | |
| WBGene000 pap-1 | OTHER OTHER OTHER OTHER | | | |
| WBGene000iasm-3 | LIPIDS SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM | | | |
| WBGene000 acs-17 | LIPIDS FATTY ACIDFATTY ACIDFATTY ACID BIOSYNTHESIS OTHER;FATTY ACID | | | |
| WBGene000 T28F3.5 | LIPIDS FATTY ACIDFATTY ACIDFATTY ACID BIOSYNTHESIS OTHER | | | |
| WBGene000:hsd-2 | LIPIDS STEROID M1BIOSYNTH1BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES | | | |
| WBGene000ispe-5 | OTHER VACUOLAR .VACUOLAR .VACUOLAR ATP-ASE | | | |
| WBGene000:hpo-19 | LIPIDS FATTY ACIDFATTY ACIDFATTY ACID BIOSYNTHESIS OTHER | | | |
| WBGene000 aagr-4 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS | | | |
| WBGene000 mans-4 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS | | | |
| WBGene000 C24A3.4 | LIPIDS STEROID M1BIOSYNTH1BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES | | | |
| WBGene000:F25H9.6 | COFACTOR:PANTOTHE1PANTOTHE1PANTOTHE1NATE AND COA BIOSYNTHESIS | | | |
| WBGene000 M57.2 | OTHER OTHER OTHER OTHER | | | |
| WBGene000iasg-2 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX V | | | |
| WBGene000iacs-19 | CARBOHYDIGLYCOLYSI;GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS;PROPIONATE | | | |
| WBGene000 nuo-6 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I | | | |
| WBGene000:F40F8.1 | NUCLEOTIDPYRIMIDINEPYRIMIDINEPYRIMIDINE METABOLISM | | | |
| WBGene000 T20D3.8 | OTHER OTHER OTHER OTHER | | | |
| WBGene000iatp-2 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX V | | | |
| WBGene000ifars-3 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS | | | |
| WBGene000:W09C3.4 | OTHER OTHER OTHER OTHER | | | |
| WBGene000 C06A6.4 | AMINO ACIDARG AND PFARGININE MARGININE METABOLISM | | | |
| WBGene000 hosl-1 | LIPIDS GLYCEROLIIGLYCEROLIIGLYCEROLIPID METABOLISM | | | |
| WBGene000:C27D8.4 | COFACTOR:RETINOL MERETINOL MERETINOL METABOLISM | | | |
| WBGene000igy-1 | CARBOHYDISUGARS STARCH AN STARCH AND SUCROSE METABOLISM | | | |
| WBGene000 cyp-35A5 | OTHER OTHER OTHER OTHER | | | |
| WBGene000 cpt-2 | LIPIDS FATTY ACIDMITOCHON1MITOCHONDRIAL FATTY ACID DEGRADATION | | | |
| WBGene000 rpc-25 | OTHER OTHER OTHER OTHER | | | |
| WBGene000ipnk-4 | COFACTOR:PANTOTHE1PANTOTHE1PANTOTHE1NATE AND COA BIOSYNTHESIS | | | |
| WBGene000 hxx-2 | CARBOHYDIAMINO SUG,AMINO SUG,AMINO SUGAR AND NUCLEOTIDE SUGAR METAB | | | |
| WBGene000 cgt-2 | LIPIDS SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM | | | |
| WBGene000 gld-4 | OTHER OTHER OTHER OTHER | | | |
| WBGene000:C36A4.4 | CARBOHYDIAMINO SUG,AMINO SUG,AMINO SUGAR AND NUCLEOTIDE SUGAR METAB | | | |
| WBGene000iocrl-1 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM | | | |
| WBGene000irn-2 | NUCLEOTIDPURINE ME1PURINE ME1PURINE METABOLISM;PYRIMIDINE METABOLISM | | | |
| WBGene000:T05H4.4 | LIPIDS FATTY ACIDFATTY ACIDFATTY ACID BIOSYNTHESIS OTHER | | | |

OLISM;CHITIN BIOSYNTHESIS
OLISM;CHITIN BIOSYNTHESIS

OLIPID METABOLISM

E METABOLISM

YCLE

E METABOLISM OTHER;VALINE DEGRADATION

BOLISM OTHER;SERINE METABOLISM

DEGRADATION OTHER

DEGRADATION OTHER

OLISM;FRUCTOSE AND MANNOSE METABOLISM;GLYCOLYSIS/GLUCONEOGENESIS;STARCH AND SUCROSE M

OLISM

METABOLISM

| | |
|----------------------|---|
| WBGene000:T19B4.3 | NUCLEOTID PURINE METPURINE METPURINE METABOLISM |
| WBGene000itdc-1 | AMINO ACIDHISTIDINE HISTIDINE HISTIDINE DEGRADATION;PHENYLALANINE DEG |
| WBGene000igob-1 | CARBOHYDISUGARS STARCH AN STARCH AND SUCROSE METABOLISM |
| WBGene000.bus-18 | LIPIDS GLYCEROLIIGLYCEROLIIGLYCEROLIPID METABOLISM;GLYCEROPHOSPH |
| WBGene000igna-2 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000igna-1 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000igly-20 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000 C44B7.7 | AMINO ACIDALA, ASP/A ALANINE MEALANINE METABOLISM;CYSTEINE METABOLISM;I |
| WBGene000 set-13 | OTHER OTHER OTHER OTHER |
| WBGene000 tag-335 | CARBOHYDISUGARS FRUCTOSE FRUCTOSE AND MANNOSE METABOLISM |
| WBGene000ugt-65 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000:Y37E3.11 | LIPIDS GLYCEROP IGLYCEROP IGLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 pho-8 | COFACTOR:GLYCEROP IGLYCEROP IGLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA |
| WBGene000iacs-14 | COFACTOR:UBIQUINONIUBIQUINONIUBIQUINONE METABOLISM |
| WBGene000ugt-60 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 Y51A2D.13 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;GLYCEROPHOSPHOL |
| WBGene000iace-2 | LIPIDS GLYCEROP IGLYCEROP IGLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000iace-1 | LIPIDS GLYCEROP IGLYCEROP IGLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000iyars-2 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000iamx-2 | AMINO ACIDARG AND PFARGININE MARGININE METABOLISM;HISTIDINE DEGRADATIC |
| WBGene000 ceeh-1 | OTHER OTHER OTHER OTHER |
| WBGene000ifasn-1 | LIPIDS FATTY ACIDFATTY ACIDBCFA BIOSYNTHESIS;FATTY ACID BIOSYNTHESI |
| WBGene000F13E6.5 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;GLYCEROLIPID META |
| WBGene000iace-4 | LIPIDS GLYCEROP IGLYCEROP IGLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 K09H11.7 | CARBOHYDIORGANIC AGLYOXYLATGLYOXYLATE AND DICARBOXYLATE METABOLIS |
| WBGene000 ugt-61 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000iacs-2 | LIPIDS FATTY ACIDFATTY ACIDFATTY ACID BIOSYNTHESIS OTHER;FATTY ACID |
| WBGene000 ugt-14 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 C39D10.3 | LIPIDS GLYCEROP IGLYCEROP IGLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 C13B9.2 | AMINO ACIDGLY, SER A SERINE METSERINE METABOLISM |
| WBGene000 C17C3.1 | LIPIDS FATTY ACIDFATTY ACIDFATTY ACID BIOSYNTHESIS OTHER |
| WBGene000:ZC155.4 | LIPIDS GLYCEROP IGLYCEROP IGLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 sdha-1 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX II;TRICARBOXYLIC ACID CYCLE |
| WBGene000:R151.2 | CARBOHYDIPENTOSE P PENTOSE P PENTOSE PHOSPHATE PATHWAY |
| WBGene000igcsh-2 | AMINO ACIDFOLATE CY(FOLATE CY(FOLATE CYCLE;GLYCINE AND THREONINE META |
| WBGene000irpc-1 | OTHER OTHER OTHER OTHER |
| WBGene000 C05C8.7 | CARBOHYDISUGARS FRUCTOSE FRUCTOSE AND MANNOSE METABOLISM |
| WBGene000isir-2.3 | COFACTOR:NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM |
| WBGene000isir-2.4 | COFACTOR:NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM |
| WBGene000isir-2.1 | COFACTOR:NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM |
| WBGene000isir-2.2 | COFACTOR:NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM |
| WBGene000 sams-4 | AMINO ACIDCYS AND M MET/SAM C MET/SAM CYCLE;METHIONINE SALVAGE |
| WBGene000 set-11 | OTHER OTHER OTHER OTHER |
| WBGene000 chil-23 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 chil-22 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 chil-21 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 chil-19 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 chil-18 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 acl-6 | LIPIDS GLYCEROLIIGLYCEROLIIGLYCEROLIPID METABOLISM;GLYCEROPHOSPH |
| WBGene000 ctc-2 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX IV |
| WBGene000 nduo-3 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 nduo-5 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000:Y48G8AL.15 | NUCLEOTID PURINE METPURINE METPURINE METABOLISM;PYRIMIDINE METABOLISM |
| WBGene000 nduo-2 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 ctc-3 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX IV |
| WBGene000 C42C1.11 | OTHER OTHER OTHER OTHER |
| WBGene000 hmgr-1 | OTHER MEVALONATEMEVALONATEMEVALONATE METABOLISM |
| WBGene000 F58F12.1 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX V |
| WBGene000 Y48G10A.1 | OTHER OTHER OTHER OTHER |

RADATION;TRYPTOPHAN DEGRADATION;TYROSINE METABOLISM

OLIPID METABOLISM

OLISM

OLISM

GLUTATHIONE METABOLISM

WIN METABOLISM

.LIPID METABOLISM

IN;METHYLGLYOXAL DETOXIFICATION;TRYPTOPHAN DEGRADATION;TYROSINE METABOLISM

S OTHER

BOLISM;GLYCEROPHOSPHOLIPID METABOLISM;SPHINGOLIPID METABOLISM

M

DEGRADATION OTHER

BOLISM OTHER;GLYCINE CLEAVAGE SYSTEM

OLISM;CHITIN DEGRADATION

OLISM;CHITIN DEGRADATION

OLISM;CHITIN DEGRADATION

OLISM;CHITIN DEGRADATION

OLISM;CHITIN DEGRADATION

OLIPID METABOLISM

| | | | | |
|---------------------|------------|--------------|--|--|
| WBGene000iset-32 | OTHER | OTHER | OTHER | OTHER |
| WBGene000IF53F4.10 | ENERGY | ELECTRON | ETC-COMPLETC-COMPLEX I | |
| WBGene000 F08F3.4 | AMINO ACID | DGLY, SER A | GLYCINE ANGLYCINE AND THREONINE METABOLISM | OTHER |
| WBGene000ppt-1 | LIPIDS | FATTY ACID | FATTY ACID FATTY ACID BIOSYNTHESIS | OTHER |
| WBGene000ugt-9 | OTHER | UGT ENZYMU | GT ENZYMU | GT ENZYME |
| WBGene000 suox-1 | ENERGY | SULFUR ME | SULFUR ME | SULFUR METABOLISM |
| WBGene000iglod-4 | OTHER | METHYLGLY | METHYLGLY | METHYLGLYOXAL DETOXIFICATION |
| WBGene000IF53F1.3 | LIPIDS | STEROID M | BIOSYNTHE | BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES |
| WBGene000vha-9 | OTHER | VACUOLAR | VACUOLAR | VACUOLAR ATP-ASE |
| WBGene000vha-10 | OTHER | VACUOLAR | VACUOLAR | VACUOLAR ATP-ASE |
| WBGene000vha-7 | OTHER | VACUOLAR | VACUOLAR | VACUOLAR ATP-ASE |
| WBGene000ict-1 | AMINO ACID | CYS AND M | CYSTEINE | MCYSTEINE METABOLISM;MET/SAM CYCLE;SELEN |
| WBGene000 B0303.3 | AMINO ACID | BRANCHED-ISO | LEUCINE | ISOLEUCINE DEGRADATION;MITOCHONDRIAL FA |
| WBGene000 anmt-1 | COFACTOR | NICOTINAT | NICOTINAT | NICOTINATE AND NICOTINAMIDE METABOLISM |
| WBGene000vha-3 | OTHER | VACUOLAR | VACUOLAR | VACUOLAR ATP-ASE |
| WBGene000vha-4 | OTHER | VACUOLAR | VACUOLAR | VACUOLAR ATP-ASE |
| WBGene000vha-1 | OTHER | VACUOLAR | VACUOLAR | VACUOLAR ATP-ASE |
| WBGene000vha-2 | OTHER | VACUOLAR | VACUOLAR | VACUOLAR ATP-ASE |
| WBGene000pgs-1 | LIPIDS | GLYCEROP | I | GLYCEROP |
| WBGene000 lpin-1 | LIPIDS | GLYCEROLI | I | GLYCEROLI |
| WBGene000 mys-2 | OTHER | OTHER | OTHER | OTHER |
| WBGene000icat-2 | AMINO ACID | FOLATE | BIO | FOLATE |
| WBGene000icat-1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000lin-46 | OTHER | MOLYBDENI | MOLYBDENI | MOLYBDENUM COFACTOR BIOSYNTHESIS |
| WBGene000IF31D4.9 | ENERGY | ELECTRON | ETC-COMPLETC-COMPLEX I | |
| WBGene000 aldo-2 | CARBOHYDI | GLYCOLYSI | GLYCOLYSI | GLYCOLYSIS/GLUCONEOGENESIS;PENTOSE PH |
| WBGene000 atp-6 | ENERGY | ELECTRON | ETC-COMPLETC-COMPLEX V | |
| WBGene000:chil-24 | CARBOHYDI | AMINO SUG | AMINO SUG | AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 inpp-1 | OTHER | INOSITOL P | INOSITOL P | INOSITOL PHOSPHATE METABOLISM |
| WBGene000 T25C8.1 | CARBOHYDI | PENTOSE P | PENTOSE P | PENTOSE PHOSPHATE PATHWAY |
| WBGene000ugt-21 | OTHER | UGT ENZYMU | GT ENZYMU | GT ENZYME |
| WBGene000dhs-21 | CARBOHYDI | PENTOSE A | PENTOSE A | PENTOSE AND GLUCURONATE INTERCONVERSI |
| WBGene000 pcca-1 | LIPIDS | SHORT CHA | PROPIONAT | PROPIONATE DEGRADATION CANONICAL |
| WBGene000 klo-1 | CARBOHYDI | SUGARS | STARCH AN | STARCH AND SUCROSE METABOLISM |
| WBGene000 acl-4 | LIPIDS | GLYCEROLI | I | GLYCEROLI |
| WBGene000 sug-1 | ENERGY | TRICARBOX | TRICARBOX | TRICARBOXYLIC ACID CYCLE |
| WBGene000 B0228.7 | AMINO ACID | CYS AND M | METHIONIN | METHIONINE SALVAGE |
| WBGene000cyp-37B1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000 ggtb-1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000dhs-25 | LIPIDS | STEROID M | BIOSYNTHE | BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES |
| WBGene000 K05B2.4 | LIPIDS | FATTY ACID | BIOSYNTHE | BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES;I |
| WBGene000sms-2 | LIPIDS | SPHINGOLI | F | SPHINGOLI |
| WBGene000sms-1 | LIPIDS | SPHINGOLI | F | SPHINGOLI |
| WBGene000sms-3 | LIPIDS | SPHINGOLI | F | SPHINGOLI |
| WBGene000 agxt-1 | AMINO ACID | ALA, ASP/A | ALANINE | MEALANINE METABOLISM;GLYCINE AND THREONIN |
| WBGene000 Y43F4A.4 | AMINO ACID | BRANCHED-ISO | LEUCINE | ISOLEUCINE DEGRADATION;LEUCINE DEGRADA |
| WBGene000 C29E4.10 | LIPIDS | SPHINGOLI | F | SPHINGOLI |
| WBGene000 K08E3.5 | CARBOHYDI | AMINO SUG | AMINO SUG | AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000acl-13 | LIPIDS | GLYCEROP | I | GLYCEROP |
| WBGene000 tyr-2 | AMINO ACID | TYROSINE | M | TYROSINE |
| WBGene000 Y45F10D.4 | COFACTOR | IRON | META | IRON |
| WBGene000:Y71H10B.1 | COFACTOR | NICOTINAT | NICOTINAT | NICOTINATE AND NICOTINAMIDE METABOLISM;F |
| WBGene000:R12E2.11 | NUCLEOTID | PYRIMIDINE | PYRIMIDINE | PYRIMIDINE METABOLISM |
| WBGene000lin-59 | OTHER | OTHER | OTHER | OTHER |
| WBGene000iset-1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000iset-2 | OTHER | OTHER | OTHER | OTHER |
| WBGene000iacox-1.2 | LIPIDS | OTH ASCAR | SIDAS | ASCAROSID |
| WBGene000iphy-2 | AMINO ACID | ARG AND P | COLLAGEN | I |
| WBGene000iphy-3 | AMINO ACID | ARG AND P | COLLAGEN | I |

AMINOACID METABOLISM;SERINE METABOLISM
 FATTY ACID DEGRADATION;PROPIONATE DEGRADATION OTHER

OLIPID METABOLISM

1

OSPHATE PATHWAY

OLISM;CHITIN DEGRADATION

ONS

OLIPID METABOLISM

FATTY ACID BIOSYNTHESIS OTHER

E METABOLISM OTHER;SERINE METABOLISM
 TION;PROPIONATE DEGRADATION OTHER;VALINE DEGRADATION

OLISM;PENTOSE AND GLUCURONATE INTERCONVERSIONS;STARCH AND SUCROSE METABOLISM

URINE METABOLISM;PYRIMIDINE METABOLISM

BILE ACID-LIKE MOLECULES;PEROXISOMAL FATTY ACID DEGRADATION
 ;M
 ;M

| | |
|---------------------|---|
| WBGene000 mpst-1 | AMINO ACIDCYS AND MECYSTEINE MCYSTEINE METABOLISM;SULFUR METABOLISM |
| WBGene000 pho-1 | COFACTOR:GLYCEROP GLYCEROP GLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA |
| WBGene000 pnc-1 | COFACTOR:NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM |
| WBGene000 pho-4 | COFACTOR:GLYCEROP GLYCEROP GLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA |
| WBGene000 rpm-1 | OTHER OTHER OTHER OTHER |
| WBGene000 Y66D12A.7 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000 chil-9 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 sdha-2 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX II;TRICARBOXYLIC ACID CYCLE |
| WBGene000 F58F9.1 | NUCLEOTIDPURINE ME PURINE ME PURINE METABOLISM;PYRIMIDINE METABOLISM |
| WBGene000 mig-23 | NUCLEOTIDPURINE ME PURINE ME PURINE METABOLISM;PYRIMIDINE METABOLISM |
| WBGene000 gcy-31 | OTHER GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000 sphk-1 | LIPIDS SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000 impk-1 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 gmps-1 | NUCLEOTIDPURINE ME PURINE ME PURINE METABOLISM |
| WBGene000 ZK809.3 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 ard-1 | AMINO ACIDBRANCHED-ISOLEUCINEISOLEUCINE DEGRADATION |
| WBGene000 ZC395.10 | OTHER OTHER OTHER OTHER |
| WBGene000 acs-22 | LIPIDS STEROID M BIOSYNTHEBIOSYNTHESIS OF BILE ACID-LIKE MOLECULES |
| WBGene000 B0491.7 | OTHER OTHER OTHER OTHER |
| WBGene000 B0513.5 | AMINO ACIDARG AND PFPROLINE MEPROLINE METABOLISM |
| WBGene000 elo-4 | LIPIDS FATTY ACIDFATTY ACIDMUFA BIOSYNTHESIS |
| WBGene000 pcbd-1 | COFACTOR:FOLATE BIOFOLATE BIOFOLATE BIOSYNTHESIS |
| WBGene000 aap-1 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 cpin-1 | AMINO ACIDHISTIDINE HISTIDINE HISTIDINE DEGRADATION |
| WBGene000 acs-6 | COFACTOR:UBIQUINONIUBIQUINONIUBIQUINONE METABOLISM |
| WBGene000 ipgm-1 | CARBOHYDIGLYCOLYSI GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS |
| WBGene000 gcy-9 | OTHER GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000 pcf-1 | OTHER OTHER OTHER OTHER |
| WBGene000 ucr-11 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX III |
| WBGene000 pdxk-1 | COFACTOR:VITAMIN B6 VITAMIN B6 VITAMIN B6 METABOLISM |
| WBGene000 elo-9 | LIPIDS FATTY ACIDFATTY ACIDMUFA BIOSYNTHESIS |
| WBGene000 acd-3 | AMINO ACIDBRANCHED-ISOLEUCINEISOLEUCINE DEGRADATION;VALINE DEGRADATI |
| WBGene000 iant-1.2 | OTHER OTHER OTHER OTHER |
| WBGene000 haao-1 | AMINO ACIDTRYPTOPH TRYPTOPH TRYPTOPHAN DEGRADATION |
| WBGene000 pho-5 | COFACTOR:GLYCEROP GLYCEROP GLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA |
| WBGene000 acl-2 | LIPIDS GLYCEROLI GLYCEROLI GLYCEROLIPID METABOLISM;GLYCEROPHOSPH |
| WBGene000 gspd-1 | CARBOHYDIPENTOSE P PENTOSE P PENTOSE PHOSPHATE PATHWAY |
| WBGene000 cpt-1 | LIPIDS FATTY ACIDMITOCHON MITOCHONDRIAL FATTY ACID DEGRADATION |
| WBGene000 elo-7 | LIPIDS FATTY ACIDFATTY ACIDMUFA BIOSYNTHESIS |
| WBGene000 ZK632.4 | CARBOHYDISUGARS FRUCTOSE FRUCTOSE AND MANNOSE METABOLISM |
| WBGene000 B0024.13 | CARBOHYDISTEROID M EN-GLYCAN EN-GLYCAN BIOSYNTHESIS;STEROID METABOLIS |
| WBGene000 dhrs-4 | COFACTOR:RETINOL MERETINOL MERETINOL METABOLISM |
| WBGene000 elo-6 | LIPIDS FATTY ACIDFATTY ACIDBCFA BIOSYNTHESIS;MUFA BIOSYNTHESIS |
| WBGene000 ugt-15 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 gcs-1 | AMINO ACIDFOLATE CY(FOLATE CY(FOLATE CYCLE;GLYCINE AND THREONINE META |
| WBGene000 nduo-1 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 gln-2 | AMINO ACIDALA, ASP/A GLUTAMATEGLUTAMATE/GLUTAMINE METABOLISM |
| WBGene000 gln-1 | AMINO ACIDALA, ASP/A GLUTAMATEGLUTAMATE/GLUTAMINE METABOLISM |
| WBGene000 hex-2 | CARBOHYDISPHINGOLIFN-GLYCAN EN-GLYCAN BIOSYNTHESIS;SPHINGOLIPID METAE |
| WBGene000 C01B4.6 | CARBOHYDIGLYCOLYSI GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS |
| WBGene000 gln-6 | AMINO ACIDALA, ASP/A GLUTAMATEGLUTAMATE/GLUTAMINE METABOLISM |
| WBGene000 gln-5 | AMINO ACIDALA, ASP/A GLUTAMATEGLUTAMATE/GLUTAMINE METABOLISM |
| WBGene000 sars-2 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000 gln-3 | AMINO ACIDALA, ASP/A GLUTAMATEGLUTAMATE/GLUTAMINE METABOLISM |
| WBGene000 rpc-19 | OTHER OTHER OTHER OTHER |
| WBGene000 enol-1 | CARBOHYDIGLYCOLYSI GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS |
| WBGene000 C05C10.3 | OTHER KETONE BOKETONE BOKETONE BODY METABOLISM |
| WBGene000 ugt-30 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 ucr-2.2 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX III |

\VIN METABOLISM

\VIN METABOLISM

OLISM;CHITIN DEGRADATION

ON

\VIN METABOLISM
OLIPID METABOLISM

M OTHER

\BOLISM OTHER;GLYCINE CLEAVAGE SYSTEM

3OLISM

| | | |
|----------------------|------------------------|--|
| WBGene000 asah-1 | LIPIDS | SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000lap-2 | AMINO ACIDCYS AND M | CYSTEINE MCYSTEINE METABOLISM;GLUTATHIONE METABO |
| WBGene000C18E9.4 | ENERGY | ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000lacy-4 | NUCLEOTIDPURINE ME | PURINE MEPURINE METABOLISM |
| WBGene000ipla-4 | LIPIDS | ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;GLYCEROPHOSPHOL |
| WBGene000igba-3 | LIPIDS | SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000 mmab-1 | COFACTOR:VITAMIN B1 | VITAMIN B1 VITAMIN B12 METABOLISM |
| WBGene000:acdh-7 | AMINO ACIDBRANCHED-ISO | LEUCINEISOLEUCINE DEGRADATION;LEUCINE DEGRADA |
| WBGene000 cyp-32A1 | OTHER | OTHER OTHER OTHER |
| WBGene000 rpb-2 | OTHER | OTHER OTHER OTHER OTHER |
| WBGene000 chil-11 | CARBOHYDIAMINO SUG. | AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000:Y53G8B.1 | AMINO ACIDTYROSINE M | TYROSINE MTYROSINE METABOLISM |
| WBGene000 cpt-4 | LIPIDS | FATTY ACIDMITOCHONM |
| WBGene000 cyc-2.2 | CARBOHYDIELECTRON | ETC-COMPLETC-COMPLEX III;ETC-COMPLEX IV;IRON METAB |
| WBGene000 algn-14 | CARBOHYDISUGARS | N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000 cysl-4 | AMINO ACIDCYS AND M | CYSTEINE CYSTEINE METABOLISM;SELENOCOMPOUND ME |
| WBGene000 F58H1.3 | AMINO ACIDCYS AND M | METHIONINIMETHIONINE SALVAGE |
| WBGene000F26C11.1 | COFACTOR:GLYCEROP | GLYCEROPGLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA |
| WBGene000 bgal-1 | CARBOHYDISPHINGOLI | FALACTOSEGALACTOSE METABOLISM;SPHINGOLIPID METAB |
| WBGene000lacy-1 | NUCLEOTIDPURINE ME | PURINE MEPURINE METABOLISM |
| WBGene000mtm-3 | OTHER | INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 pacs-1 | NUCLEOTIDPURINE ME | PURINE MEPURINE METABOLISM |
| WBGene000isams-5 | AMINO ACIDCYS AND M | MET/SAM C\MET/SAM CYCLE;METHIONINE SALVAGE |
| WBGene000 rpoa-1 | OTHER | OTHER OTHER OTHER OTHER |
| WBGene000ldpy-18 | AMINO ACIDARG AND P | COLLAGEN ICOLLAGEN BIOSYNTHESIS;PROLINE METABOLIS |
| WBGene000isuca-1 | ENERGY | TRICARBOXTRICARBOXTRICARBOXYLIC ACID CYCLE |
| WBGene000haly-1 | AMINO ACIDHISTIDINE | HISTIDINE HISTIDINE DEGRADATION |
| WBGene000:abhd-12 | LIPIDS | GLYCEROLIIGLYCEROLIIGLYCEROLIPID METABOLISM |
| WBGene000 kmo-2 | AMINO ACIDALA, ASP/A | ALANINE MEALANINE METABOLISM;TRYPTOPHAN DEGRADA |
| WBGene000 kmo-1 | AMINO ACIDALA, ASP/A | ALANINE MEALANINE METABOLISM;TRYPTOPHAN DEGRADA |
| WBGene000hrg-4 | COFACTOR:IRON META | IRON METAIRON METABOLISM |
| WBGene000lasb-1 | ENERGY | ELECTRON ETC-COMPLETC-COMPLEX V |
| WBGene000itag-38 | LIPIDS | SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000 cox-10 | COFACTOR:ELECTRON | ETC-COMPLETC-COMPLEX IV;IRON METABOLISM;PORPHYRI |
| WBGene000:T03G6.3 | LIPIDS | ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM |
| WBGene000 ugt-25 | OTHER | UGT ENZYMU |
| WBGene000cbl-1 | AMINO ACIDCYS AND M | CYSTEINE MCYSTEINE METABOLISM;MET/SAM CYCLE;SELEN |
| WBGene000 ugt-27 | OTHER | UGT ENZYMU |
| WBGene000 F48E8.3 | ENERGY | TRICARBOXTRICARBOXTRICARBOXYLIC ACID CYCLE |
| WBGene000 T22G5.1 | LIPIDS | GLYCEROPGLYCEROPGLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000C08B11.8 | CARBOHYDISUGARS | N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000lgy-18 | OTHER | GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000lhars-1 | OTHER | AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000ipars-2 | OTHER | AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000 R05G6.5 | NUCLEOTIDPURINE ME | PURINE MEPURINE METABOLISM;PYRIMIDINE METABOLISM |
| WBGene000ldlat-1 | CARBOHYDIGLYCOLYSI | GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS;PYRUVATE M |
| WBGene000 hach-1 | AMINO ACIDBRANCHED-K | ETONE BOKETONE BODY METABOLISM;PROPIONATE DEGR |
| WBGene000 rpc-2 | OTHER | OTHER OTHER OTHER OTHER |
| WBGene000 aagr-2 | CARBOHYDISUGARS | GALACTOSEGALACTOSE METABOLISM;STARCH AND SUCRO |
| WBGene000:cyp-32B1 | OTHER | OTHER OTHER OTHER OTHER |
| WBGene000lasb-2 | ENERGY | ELECTRON ETC-COMPLETC-COMPLEX V |
| WBGene000inars-1 | OTHER | AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000lasns-1 | AMINO ACIDALA, ASP/A | ASPARTATEASPARTATE/ASPARAGINE METABOLISM;GLUTAM |
| WBGene000 R05F9.6 | CARBOHYDIAMINO SUG. | AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 algn-11 | CARBOHYDISUGARS | N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000:Y19D10A.16 | CARBOHYDIGLYCOLYSI | GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS |
| WBGene000:Y51H7C.9 | AMINO ACIDGLY, SER A | GLYCINE ANGLYCINE AND THREONINE METABOLISM OTHER |
| WBGene000F53C11.3 | LIPIDS | FATTY ACIDPEROXISOMPEROXISOMAL FATTY ACID DEGRADATION |
| WBGene000idha-1 | ENERGY | TRICARBOXTRICARBOXTRICARBOXYLIC ACID CYCLE |

OLISM;GLYCINE AND THREONINE METABOLISM OTHER

LIPID METABOLISM

ATION;MITOCHONDRIAL FATTY ACID DEGRADATION;VALINE DEGRADATION

OLISM;CHITIN DEGRADATION

OLISM;METHYLGLYOXAL DETOXIFICATION;PYRUVATE METABOLISM;SULFUR METABOLISM

ETABOLISM;SULFUR METABOLISM

WIN METABOLISM
BOLISM

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N METABOLISM

OCOMPOUND METABOLISM;SERINE METABOLISM

ETABOLISM
RADATION SHUNT;VALINE DEGRADATION

SE METABOLISM

LATE/GLUTAMINE METABOLISM
OLISM;PENTOSE PHOSPHATE PATHWAY;STARCH AND SUCROSE METABOLISM

;SERINE METABOLISM

| | | | | |
|----------------------|-----------------|------------------|------------|---|
| WBGene000:Y47D9A.1 | CARBOHYDISUGARS | FRUCTOSE | FRUCTOSE | FRUCTOSE AND MANNOSE METABOLISM |
| WBGene000 cdo-1 | AMINO ACID | CYS AND M | MCYSTEINE | MCYSTEINE METABOLISM |
| WBGene000:rft-2 | COFACTOR: | RIBOFLAVIN | RIBOFLAVIN | RIBOFLAVIN METABOLISM |
| WBGene000:acl-8 | LIPIDS | GLYCEROLI | GLYCEROLI | GLYCEROLIPID METABOLISM;GLYCEROPHOSPH |
| WBGene000iacp-3 | COFACTOR: | GLYCEROP | GLYCEROP | GLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA |
| WBGene000mccc-1 | AMINO ACID | BRANCHED-LEUCINE | DELEUCINE | DEGRADATION |
| WBGene000 spds-1 | AMINO ACID | CYS AND M | METHIONIN | METHIONINE SALVAGE |
| WBGene000 C17C3.3 | LIPIDS | FATTY ACID | FATTY ACID | FATTY ACID BIOSYNTHESIS OTHER |
| WBGene000 cyc-2.1 | CARBOHYDI | ELECTRON | ETC-COMPLE | ETC-COMPLEX III;ETC-COMPLEX IV;IRON METAB |
| WBGene000pod-2 | LIPIDS | FATTY ACID | FATTY ACID | FATTY ACID BIOSYNTHESIS OTHER |
| WBGene000 maoc-1 | LIPIDS;OTH | ASCAROSID | ASCAROSID | ASCAROSIDE BIOSYNTHESIS;BIOSYNTHESIS OF |
| WBGene000 acdh-12 | LIPIDS | FATTY ACID | MITOCHON | MITOCHONDRIAL FATTY ACID DEGRADATION |
| WBGene000:Y97E10AR.2 | OTHER AMI | GLUTATHIO | GLUTATHIO | GLUTATHIONE METABOLISM;TAURINE AND HYP |
| WBGene000:acl-9 | LIPIDS | GLYCEROLI | GLYCEROLI | GLYCEROLIPID METABOLISM;GLYCEROPHOSPH |
| WBGene000igcy-33 | OTHER | GUANYLATE | GUANYLATE | GUANYLATE CYCLASE |
| WBGene000igcy-32 | OTHER | GUANYLATE | GUANYLATE | GUANYLATE CYCLASE |
| WBGene000 algn-2 | CARBOHYDISUGARS | N-GLYCAN | EN-GLYCAN | BIOSYNTHESIS |
| WBGene000 F09E5.3 | CARBOHYDI | PENTOSE P | PENTOSE P | PENTOSE PHOSPHATE PATHWAY |
| WBGene000igcy-37 | OTHER | GUANYLATE | GUANYLATE | GUANYLATE CYCLASE |
| WBGene000 T26F2.1 | CARBOHYDI | AMINO SUG | AMINO SUG | AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000igcy-35 | OTHER | GUANYLATE | GUANYLATE | GUANYLATE CYCLASE |
| WBGene000igcy-36 | OTHER | GUANYLATE | GUANYLATE | GUANYLATE CYCLASE |
| WBGene000vha-8 | OTHER | VACUOLAR | VACUOLAR | VACUOLAR ATP-ASE |
| WBGene000 R04F11.2 | ENERGY | ELECTRON | ETC-COMPLE | ETC-COMPLEX V |
| WBGene000 B0205.6 | AMINO ACID | ALA, ASP/A | ALANINE | MEALANINE METABOLISM;CYSTEINE METABOLISM; |
| WBGene000 T04A8.7 | CARBOHYDISUGARS | STARCH AN | STARCH AN | STARCH AND SUCROSE METABOLISM |
| WBGene000:prdx-6 | AMINO ACID | PHENYLAL | PHENYLAL | PHENYLALANINE DEGRADATION;ROS METABOLI |
| WBGene000 chil-17 | CARBOHYDI | AMINO SUG | AMINO SUG | AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000:hex-4 | CARBOHYDI | SPHINGOLI | FN-GLYCAN | EN-GLYCAN BIOSYNTHESIS;SPHINGOLIPID METAE |
| WBGene000 chil-15 | CARBOHYDI | AMINO SUG | AMINO SUG | AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000:pho-14 | COFACTOR: | GLYCEROP | GLYCEROP | GLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA |
| WBGene000 ugt-7 | OTHER | UGT ENZY | MUGT ENZY | MUGT ENZYME |
| WBGene000 upb-1 | NUCLEOTID | PYRIMIDINE | PYRIMIDINE | PYRIMIDINE METABOLISM |
| WBGene000vha-17 | OTHER | VACUOLAR | VACUOLAR | VACUOLAR ATP-ASE |
| WBGene000inn1-1 | COFACTOR: | NICOTINAT | NICOTINAT | NICOTINATE AND NICOTINAMIDE METABOLISM |
| WBGene000:acp-7 | COFACTOR: | GLYCEROP | GLYCEROP | GLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA |
| WBGene000 Y50E8A.6 | LIPIDS | GLYCEROP | GLYCEROP | GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 R04F11.3 | OTHER | OTHER | OTHER | OTHER |
| WBGene000:W02H5.8 | LIPIDS | GLYCEROP | GLYCEROP | GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000in1-1 | LIPIDS | STEROID M | BIOSYNTHE | BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES |
| WBGene000 ceeh-2 | OTHER | OTHER | OTHER | OTHER |
| WBGene000 nuo-3 | ENERGY | ELECTRON | ETC-COMPLE | ETC-COMPLEX I |
| WBGene000icat-4 | COFACTOR: | FOLATE B | IOFOLATE | BIOFOLATE BIOSYNTHESIS |
| WBGene000:polq-1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000:T01D1.4 | AMINO ACID | CYS AND M | METHIONIN | METHIONINE SALVAGE |
| WBGene000 pole-2 | OTHER | OTHER | OTHER | OTHER |
| WBGene000igale-1 | CARBOHYDI | AMINO SUG | AMINO SUG | AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 lmd-4 | CARBOHYDI | AMINO SUG | AMINO SUG | AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000IC47B2.2 | NUCLEOTID | PYRIMIDINE | PYRIMIDINE | PYRIMIDINE METABOLISM |
| WBGene000:lmd-5 | CARBOHYDI | AMINO SUG | AMINO SUG | AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000:ant-1.4 | OTHER | OTHER | OTHER | OTHER |
| WBGene000idgk-1 | LIPIDS | GLYCEROLI | GLYCEROLI | GLYCEROLIPID METABOLISM;GLYCEROPHOSPH |
| WBGene000igfat-2 | AMINO ACI | ALA, ASP/A | AMINO SUG | AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000:got-1.2 | AMINO ACID | ALA, ASP/A | ASPARTATE | ASPARTATE/ASPARAGINE METABOLISM;CYSTEII |
| WBGene000:T26A5.8 | OTHER | OTHER | OTHER | OTHER |
| WBGene000 R05D3.6 | ENERGY | ELECTRON | ETC-COMPLE | ETC-COMPLEX V |
| WBGene000 spt1-2 | AMINO ACID | GLY, SER | A SERINE | ME |
| WBGene000 chil-16 | CARBOHYDI | AMINO SUG | AMINO SUG | AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000IF52B11.2 | CARBOHYDISUGARS | FRUCTOSE | FRUCTOSE | FRUCTOSE AND MANNOSE METABOLISM |

OLIPID METABOLISM
 \VIN METABOLISM

OLISM;METHYLGLYOXAL DETOXIFICATION;PYRUVATE METABOLISM;SULFUR METABOLISM

BILE ACID-LIKE MOLECULES;PEROXISOMAL FATTY ACID DEGRADATION

DTAURINE METABOLISM
 OLIPID METABOLISM

OLISM;CHITIN DEGRADATION

IRON METABOLISM;MOLYBDENUM COFACTOR BIOSYNTHESIS

SM
 OLISM;CHITIN DEGRADATION
 OLISM
 OLISM;CHITIN DEGRADATION
 \VIN METABOLISM

\VIN METABOLISM

OLISM;GALACTOSE METABOLISM
 OLISM;CHITIN DEGRADATION

OLISM;CHITIN DEGRADATION

OLIPID METABOLISM
 OLISM;GLUTAMATE/GLUTAMINE METABOLISM
 NE METABOLISM;GLUTAMATE/GLUTAMINE METABOLISM;PHENYLALANINE DEGRADATION;PROLINE METABOL

SM
 OLISM;CHITIN DEGRADATION

ISM;TYROSINE METABOLISM;UBIQUINONE METABOLISM

| | |
|----------------------|---|
| WBGene000 afmd-1 | AMINO ACIDTRYPTOPH/TRYPTOPH/TRYPTOPHAN DEGRADATION |
| WBGene000 Y62E10A.13 | AMINO ACIDGLY, SER A SERINE ME/SERINE METABOLISM |
| WBGene000 fat-3 | LIPIDS FATTY ACIDFATTY ACIDPUFA BIOSYNTHESIS |
| WBGene000 inmat-2 | COFACTOR:NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM |
| WBGene000 fat-5 | LIPIDS FATTY ACIDFATTY ACIDMUFA BIOSYNTHESIS |
| WBGene000 idaf-18 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 W07E11.1 | AMINO ACIDALA, ASP/A GLUTAMATEGLUTAMATE/GLUTAMINE METABOLISM |
| WBGene000 catp-2 | OTHER OTHER OTHER OTHER |
| WBGene000 acdh-10 | AMINO ACIDBRANCHED-ISOLEUCINEISOLEUCINE DEGRADATION;LEUCINE DEGRADA |
| WBGene000.T08H10.1 | LIPIDS STEROID MEBIOSYNTHE BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES |
| WBGene000.T19H5.6 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 sup-18 | AMINO ACIDTYROSINE M TYROSINE M TYROSINE METABOLISM |
| WBGene000 tyr-1 | AMINO ACIDTYROSINE M TYROSINE M TYROSINE METABOLISM |
| WBGene000 igbh-2 | OTHER OTHER OTHER OTHER |
| WBGene000 igas-1 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 lech-8 | AMINO ACIDBRANCHED-ISOLEUCINEISOLEUCINE DEGRADATION;KETONE BODY MET. |
| WBGene000 lech-7 | AMINO ACIDBRANCHED-ISOLEUCINEISOLEUCINE DEGRADATION;KETONE BODY MET. |
| WBGene000 lech-6 | AMINO ACIDBRANCHED-ISOLEUCINEISOLEUCINE DEGRADATION;KETONE BODY MET. |
| WBGene000 lech-5 | AMINO ACIDBRANCHED-LEUCINE DELEUCINE DEGRADATION |
| WBGene000 lech-4 | LIPIDS FATTY ACIDMITOCHON[MITOCHONDRIAL FATTY ACID DEGRADATION |
| WBGene000 lech-3 | AMINO ACIDBRANCHED-ISOLEUCINEISOLEUCINE DEGRADATION;KETONE BODY MET. |
| WBGene000 let-721 | ENERGY ELECTRON ELECTRON ELECTRON TRANSFER FLAVOPROTEIN |
| WBGene000 lech-1.1 | AMINO ACIDBRANCHED-ISOLEUCINEISOLEUCINE DEGRADATION;KETONE BODY MET. |
| WBGene000 sur-5 | OTHER KETONE BOKETONE BOKETONE BODY METABOLISM |
| WBGene000 dot-1.4 | OTHER OTHER OTHER OTHER |
| WBGene000 idars-1 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000.W06B4.2 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 ttm-5 | LIPIDS SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000 idrp-1 | OTHER OTHER OTHER OTHER |
| WBGene000 lech-9 | AMINO ACIDBRANCHED-ISOLEUCINEISOLEUCINE DEGRADATION;KETONE BODY MET. |
| WBGene000 mys-1 | OTHER OTHER OTHER OTHER |
| WBGene000 dot-1.2 | OTHER OTHER OTHER OTHER |
| WBGene000 ctc-1 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX IV |
| WBGene000 ZC373.5 | AMINO ACIDCYS AND M METHIONINIMETHIONINE SALVAGE |
| WBGene000 E02H1.6 | NUCLEOTIDPURINE ME/PURINE ME/PURINE METABOLISM |
| WBGene000 igcsh-1 | AMINO ACIDFOLATE CY(FOLATE CY(FOLATE CYCLE;GLYCINE AND THREONINE META |
| WBGene000 gpx-2 | REACTIVE CGLUTATHIOIGLUTATHIOIGLUTATHIONE METABOLISM |
| WBGene000 lars-1 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000.T12B3.3 | LIPIDS GLYCEROPIGLYCEROPIGLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 F59B2.3 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 lars-2 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000 cpt-6 | LIPIDS FATTY ACIDMITOCHON[MITOCHONDRIAL FATTY ACID DEGRADATION |
| WBGene000 ptps-1 | COFACTOR:FOLATE BIOFOLATE BIOFOLATE BIOSYNTHESIS |
| WBGene000 mpst-7 | AMINO ACIDCYS AND M CYSTEINE M CYSTEINE METABOLISM;SULFUR METABOLISM |
| WBGene000 F42G8.10 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 F27D4.1 | ENERGY ELECTRON ELECTRON ELECTRON TRANSFER FLAVOPROTEIN |
| WBGene000 acs-4 | LIPIDS FATTY ACIDFATTY ACIDFATTY ACID BIOSYNTHESIS OTHER;FATTY ACID |
| WBGene000 fnta-1 | OTHER OTHER OTHER OTHER |
| WBGene000 pho-11 | COFACTOR:GLYCEROPIGLYCEROPIGLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA |
| WBGene000 K02D7.1 | COFACTOR:NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM;P |
| WBGene000 xdh-1 | NUCLEOTIDPURINE ME/PURINE ME/PURINE METABOLISM |
| WBGene000 ndfl-4 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 C34B2.8 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 ZC434.8 | AMINO ACIDARG AND P FARGININE MARGININE METABOLISM |
| WBGene000 plc-4 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 ZC443.1 | LIPIDS STEROID MEBIOSYNTHE BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES |
| WBGene000 pfbk-1.2 | CARBOHYDISUGARS FRUCTOSE FRUCTOSE AND MANNOSE METABOLISM |
| WBGene000 nduf-7 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 ugt-52 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |

TION;MITOCHONDRIAL FATTY ACID DEGRADATION;VALINE DEGRADATION

IBOLISM;CHITIN DEGRADATION

ABOLISM;LYSINE DEGRADATION;MITOCHONDRIAL FATTY ACID DEGRADATION;VALINE DEGRADATION
ABOLISM;LYSINE DEGRADATION;MITOCHONDRIAL FATTY ACID DEGRADATION;VALINE DEGRADATION
ABOLISM;LYSINE DEGRADATION;MITOCHONDRIAL FATTY ACID DEGRADATION;PROPIONATE DEGRADATION

ABOLISM;LYSINE DEGRADATION;MITOCHONDRIAL FATTY ACID DEGRADATION;VALINE DEGRADATION

ABOLISM;LYSINE DEGRADATION;MITOCHONDRIAL FATTY ACID DEGRADATION;VALINE DEGRADATION

IBOLISM

ABOLISM;MITOCHONDRIAL FATTY ACID DEGRADATION;VALINE DEGRADATION

IBOLISM OTHER;GLYCINE CLEAVAGE SYSTEM

IBOLISM

DEGRADATION OTHER

IBOLISM METABOLISM
IBOLISM METABOLISM;PYRIMIDINE METABOLISM

SHUNT;VALINE DEGRADATION

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|----------------------|---|
| WBGene000 pho-7 | COFACTOR;GLYCEROPHOSPHOLIPID METABOLISM;RIBOFLAVIN METABOLISM |
| WBGene000 atp-3 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX V |
| WBGene000 sptl-1 | AMINO ACIDGLY, SER A SERINE METSERINE METABOLISM;SPHINGOLIPID METABOLISM |
| WBGene000 F19B6.1 | NUCLEOTIDPYRIMIDINEPYRIMIDINEPYRIMIDINE METABOLISM |
| WBGene000 kynu-1 | AMINO ACIDALA, ASP/A ALANINE METALANINE METABOLISM;TRYPTOPHAN DEGRADATION |
| WBGene000 bas-1 | AMINO ACIDHISTIDINE HISTIDINE HISTIDINE DEGRADATION;PHENYLALANINE DEGRADATION |
| WBGene000 pck-1 | CARBOHYDIGLYCOLYSI GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS |
| WBGene000 decr-1.2 | LIPIDS FATTY ACIDMITOCHON[MITOCHONDRIAL FATTY ACID DEGRADATION |
| WBGene000 cyc-1 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX III |
| WBGene000 acly-1 | ENERGY TRICARBOXTRICARBOXTRICARBOXYLIC ACID CYCLE |
| WBGene000 dhfr-1 | ONE CARBCFOLATE CY(FOLATE CY(FOLATE CYCLE |
| WBGene000 pmt-1 | LIPIDS GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 tars-1 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000 rpb-3 | OTHER OTHER OTHER OTHER |
| WBGene000 elpc-3 | OTHER OTHER OTHER OTHER |
| WBGene000 cysl-1 | AMINO ACIDCYS AND M[CYSTEINE CYSTEINE METABOLISM;SELENO[COMPOUND METABOLISM |
| WBGene000 ugt-23 | OTHER UGT ENZYMU[GT ENZYMU[GT ENZYME |
| WBGene000 ZK892.4 | LIPIDS STEROID M[BIOSYNTH[BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES |
| WBGene000 daf-22 | LIPIDS;OTH ASCAROSIDASCAROSIDASCAROSIDE BIOSYNTHESIS;BIOSYNTHESIS OF |
| WBGene000 mtrr-1 | ONE CARBCFOLATE CY(FOLATE CY(FOLATE CYCLE;MET/SAM CYCLE;VITAMIN B12 EN |
| WBGene000 gly-14 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000 hex-3 | CARBOHYDISPHINGOLIFN-GLYCAN EN-GLYCAN BIOSYNTHESIS;SPHINGOLIPID METABOLISM |
| WBGene000 fat-7 | LIPIDS FATTY ACIDFATTY ACIDMUFA BIOSYNTHESIS |
| WBGene000 anmt-3 | COFACTOR;NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM |
| WBGene000 ipla-5 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 bckd-1B | AMINO ACIDBRANCHED-ISOLEUCINEISOLEUCINE DEGRADATION;LEUCINE DEGRADATION |
| WBGene000 tag-174 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX IV |
| WBGene000 R53.4 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX V |
| WBGene000 gly-12 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000 Y43F8B.19 | AMINO ACIDARG AND PFCOLLAGEN ICOLLAGEN BIOSYNTHESIS;PROLINE METABOLISM |
| WBGene000 chil-7 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METABOLISM |
| WBGene000 chil-8 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METABOLISM |
| WBGene000 chil-5 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METABOLISM |
| WBGene000 chil-6 | CARBOHYDIAMINO SUG.AMINO SUG.AMINO SUGAR AND NUCLEOTIDE SUGAR METABOLISM |
| WBGene000 B0272.4 | LIPIDS FATTY ACIDMITOCHON[MITOCHONDRIAL FATTY ACID DEGRADATION |
| WBGene000 pifk-1 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 Y53F4B.3 | OTHER OTHER OTHER OTHER |
| WBGene000 nsun-5 | OTHER AMI[SELENO[CO[SELENO[CO[SELENO[COMPOUND METABOLISM |
| WBGene000 sdhd-1 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX II;TRICARBOXYLIC ACID CYCLE |
| WBGene000 C31H2.4 | AMINO ACIDPHENYLALAPHENYLALAPHENYLALANINE DEGRADATION;TYROSINE METABOLISM |
| WBGene000 set-12 | OTHER OTHER OTHER OTHER |
| WBGene000 iaco-1 | ENERGY TRICARBOXTRICARBOXTRICARBOXYLIC ACID CYCLE |
| WBGene000 cbs-2 | AMINO ACIDCYS AND M[CYSTEINE MCYSTEINE METABOLISM;MET/SAM CYCLE;SERINE METABOLISM |
| WBGene000 mogs-1 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000 F13H10.5 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM |
| WBGene000 C25H3.9 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 bgal-2 | CARBOHYDISPHINGOLIFGALACTOSEGALACTOSE METABOLISM;SPHINGOLIPID METABOLISM |
| WBGene000 pyr-1 | AMINO ACIDALA, ASP/A ASPARTATEASPARTATE/ASPARAGINE METABOLISM;PYRIMIDINE METABOLISM |
| WBGene000 pyc-1 | CARBOHYDIORGANIC A[PYRUVATE PYRUVATE METABOLISM |
| WBGene000 dot-1.3 | OTHER OTHER OTHER OTHER |
| WBGene000 lama-1 | OTHER OTHER OTHER OTHER |
| WBGene000 polg-1 | OTHER OTHER OTHER OTHER |
| WBGene000 Y48B6A.13 | OTHER MEVALONATEMEVALONATEMEVALONATE METABOLISM |
| WBGene000 rpb-7 | OTHER OTHER OTHER OTHER |
| WBGene000 metf-10 | OTHER AMI[SELENO[CO[SELENO[CO[SELENO[COMPOUND METABOLISM |
| WBGene000 T01G1.4 | OTHER MEVALONATEMEVALONATEMEVALONATE METABOLISM |
| WBGene000 Y69A2AR.18 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX V |
| WBGene000 iacs-20 | LIPIDS STEROID M[BIOSYNTH[BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES |
| WBGene000 dpm-3 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |

LVIN METABOLISM

SM

TION

RADATION;TRYPTOPHAN DEGRADATION;TYROSINE METABOLISM

ETABOLISM;SULFUR METABOLISM

BILE ACID-LIKE MOLECULES;PEROXISOMAL FATTY ACID DEGRADATION
VZYME

3OLISM

.LIPID METABOLISM

TION;PROPIONATE DEGRADATION OTHER;VALINE DEGRADATION

SM

OLISM;CHITIN DEGRADATION

OLISM;CHITIN DEGRADATION

OLISM;CHITIN DEGRADATION

OLISM;CHITIN DEGRADATION

ABOLISM

E METABOLISM

3OLISM

ONINE METABOLISM

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|----------------------|---|
| WBGene000 kat-1 | LIPIDS;OTH FATTY ACIDKETONE BOKETONE BODY METABOLISM;MITOCHONDRIAL F |
| WBGene000:Y71H2AM.4 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 adss-1 | AMINO ACIDALA, ASP/A ASPARTATEASPARTATE/ASPARAGINE METABOLISM;PURINE |
| WBGene000:Y54F10AM.5 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 glna-1 | AMINO ACIDALA, ASP/A GLUTAMATEGLUTAMATE/GLUTAMINE METABOLISM |
| WBGene000 ckb-4 | LIPIDS GLYCEROP GLYCEROP GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 gcy-28 | OTHER GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000 hgo-1 | AMINO ACIDTYROSINE TYROSINE TYROSINE METABOLISM |
| WBGene000 sod-2 | REACTIVE CROS METABROS METABROS METABOLISM |
| WBGene000 cka-2 | LIPIDS GLYCEROP GLYCEROP GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 ckb-1 | LIPIDS GLYCEROP GLYCEROP GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 icmt-1 | OTHER OTHER OTHER OTHER |
| WBGene000 ckb-3 | LIPIDS GLYCEROP GLYCEROP GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 rars-2 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000 bckd-1A | AMINO ACIDBRANCHED-ISOLEUCINEISOLEUCINE DEGRADATION;LEUCINE DEGRADA |
| WBGene000 agl-1 | CARBOHYDISUGARS STARCH AN STARCH AND SUCROSE METABOLISM |
| WBGene000 rft-1 | COFACTOR;RIBOFLAVINRIBOFLAVINRIBOFLAVIN METABOLISM |
| WBGene000 ugt-64 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 elo-5 | LIPIDS FATTY ACIDFATTY ACIDBCFA BIOSYNTHESIS;MUFA BIOSYNTHESIS |
| WBGene000 C53A3.2 | CARBOHYDIORGANIC A GLYOXYLAT GLYOXYLATE AND DICARBOXYLATE METABOLIS |
| WBGene000 prdx-3 | REACTIVE CROS METABROS METABROS METABOLISM |
| WBGene000 F59C6.5 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 C10C5.4 | AMINO ACIDARG AND PFARGININE MARGININE METABOLISM |
| WBGene000 C10C5.5 | AMINO ACIDARG AND PFARGININE MARGININE METABOLISM |
| WBGene000 ucr-2.3 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX III |
| WBGene000 C10C5.3 | AMINO ACIDARG AND PFARGININE MARGININE METABOLISM |
| WBGene000 pdi-6 | OTHER COLLAGEN COLLAGEN COLLAGEN BIOSYNTHESIS |
| WBGene000 ugt-44 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 R01H10.7 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 ugt-43 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 M05B5.4 | LIPIDS GLYCEROP GLYCEROP GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 ugt-62 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 rpb-12 | OTHER OTHER OTHER OTHER |
| WBGene000 nkb-2 | OTHER OTHER OTHER OTHER |
| WBGene000 F08F8.7 | CARBOHYDIPENTOSE P PENTOSE P PENTOSE PHOSPHATE PATHWAY |
| WBGene000 cept-2 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;GLYCEROPHOSPHOL |
| WBGene000 vha-13 | OTHER VACUOLAR .VACUOLAR .VACUOLAR ATP-ASE |
| WBGene000 dgg-2 | LIPIDS GLYCEROLI GLYCEROLI GLYCEROLIPID METABOLISM;GLYCEROPHOSPH |
| WBGene000 pps-1 | ENERGY;NUPURINE ME PURINE ME PURINE METABOLISM;SELENO COMPOUND MET/ |
| WBGene000 psd-1 | LIPIDS GLYCEROP GLYCEROP GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 let-611 | OTHER OTHER OTHER OTHER |
| WBGene000 tdo-2 | AMINO ACIDTRYPTOPH TRYPTOPH TRYPTOPHAN DEGRADATION |
| WBGene000 rpb-10 | OTHER OTHER OTHER OTHER |
| WBGene000 F49E2.1 | OTHER MOLYBDENIMOLYBDENIMOLYBDENUM COFACTOR BIOSYNTHESIS |
| WBGene000 ZC262.5 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX V |
| WBGene000 dhs-28 | LIPIDS;OTH ASCAROSIDASCAROSIDASCAROSIDE BIOSYNTHESIS;BIOSYNTHESIS OF |
| WBGene000 dot-1.5 | OTHER OTHER OTHER OTHER |
| WBGene000 C01B10.3 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 nduo-4 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX I |
| WBGene000 pssy-1 | AMINO ACIDGLY, SER A GLYCEROP GLYCEROPHOSPHOLIPID METABOLISM;SERINE |
| WBGene000 B0001.4 | NUCLEOTIDPYRIMIDINEPYRIMIDINEPYRIMIDINE METABOLISM |
| WBGene000 parp-1 | COFACTOR;NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM |
| WBGene000 moc-1 | OTHER MOLYBDENIMOLYBDENIMOLYBDENUM COFACTOR BIOSYNTHESIS |
| WBGene000 moc-2 | OTHER MOLYBDENIMOLYBDENIMOLYBDENUM COFACTOR BIOSYNTHESIS |
| WBGene000 set-15 | OTHER OTHER OTHER OTHER |
| WBGene000 acd-9 | AMINO ACIDBRANCHED-VALINE DEGVALINE DEGRADATION |
| WBGene000 C07E3.9 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;GLYCEROPHOSPHOL |
| WBGene000 pld-1 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;GLYCEROPHOSPHOL |
| WBGene000 T25B9.1 | AMINO ACIDGLY, SER A GLYCINE ANGLYCINE AND THREONINE METABOLISM OTHER |

ATTY ACID DEGRADATION

METABOLISM

TION;PROPIONATE DEGRADATION OTHER;VALINE DEGRADATION

M

.LIPID METABOLISM

OLIPID METABOLISM

\BOLISM;SULFUR METABOLISM

BILE ACID-LIKE MOLECULES;PEROXISOMAL FATTY ACID DEGRADATION

METABOLISM

.LIPID METABOLISM

.LIPID METABOLISM

| | |
|----------------------|---|
| WBGene000 F32B5.1 | AMINO ACID ARG AND PFARGININE MARGININE METABOLISM |
| WBGene000 cgt-3 | LIPIDS SPHINGOLIPID SPHINGOLIPID SPHINGOLIPID METABOLISM |
| WBGene000 icl-1 | CARBOHYDRIC ACID GLYOXYLATE GLYOXYLATE AND DICARBOXYLATE METABOLISM |
| WBGene000 C44B7.12 | NUCLEOTID PURINE METPURINE METPURINE METABOLISM |
| WBGene000 cht-2 | CARBOHYDRIAMINO SUGAR AMINO SUGAR AND NUCLEOTIDE SUGAR METABOLISM |
| WBGene000:Y38F2AR.12 | REACTIVE C GLUTATHIONE GLUTATHIONE METABOLISM |
| WBGene000 Y48A6B.9 | LIPIDS FATTY ACID MITOCHONDRIAL FATTY ACID DEGRADATION |
| WBGene000 ugt-56 | OTHER UGT ENZYME UGT ENZYME UGT ENZYME |
| WBGene000 ugt-55 | OTHER UGT ENZYME UGT ENZYME UGT ENZYME |
| WBGene000 F57B9.1 | COFACTOR: VITAMIN B6 VITAMIN B6 VITAMIN B6 METABOLISM |
| WBGene000 isecs-1 | OTHER; OTHAMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS; SELENOCOMPOUND METABOLISM |
| WBGene000 cysl-2 | AMINO ACID CYS AND MCYSTEINE CYSTEINE METABOLISM; SELENOCOMPOUND METABOLISM |
| WBGene000 Y76A2B.5 | COFACTOR: VITAMIN B1 VITAMIN B1 VITAMIN B12 METABOLISM |
| WBGene000: pfk-1.1 | CARBOHYDRIC GLYCOLYSIS GLYCOLYSIS GLYCOLYSIS/ GLUCONEOGENESIS; PENTOSE PHOSPHATE METABOLISM |
| WBGene000 E01A2.1 | AMINO ACID CYS AND MCYSTEINE MCYSTEINE METABOLISM; GLUTATHIONE METABOLISM |
| WBGene000 imans-1 | CARBOHYDRIC DISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000: dlst-1 | AMINO ACID LYSINE DEGLYSINE DEGLYSINE DEGRADATION; TRICARBOXYLIC ACID CYCLIZATION |
| WBGene000: plc-3 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000: mce-1 | LIPIDS SHORT CHAIN PROPIONATE PROPIONATE DEGRADATION CANONICAL |
| WBGene000: D2030.4 | ENERGY ELECTRON ETC-COMPLEX I |
| WBGene000: daf-11 | OTHER GUANYLATE GUANYLATE GUANYLATE CYCLASE |
| WBGene000: igld-2 | OTHER OTHER OTHER |
| WBGene000: daf-9 | LIPIDS STEROID BIOSYNTHESIS BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES |
| WBGene000: plc-2 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000: plc-1 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 ZK792.1 | COFACTOR: GLYCEROPHOSPHOLIPID METABOLISM; RIBOFLAVIN METABOLISM |
| WBGene000: daao-1 | AMINO ACID GLY, SER A GLYCINE ANGLYCINE AND THREONINE METABOLISM OTHER |
| WBGene000: F45H10.3 | ENERGY ELECTRON ETC-COMPLEX I |
| WBGene000: hphd-1 | LIPIDS; OTHER KETONE BODY METABOLISM; PROPIONATE DEGRADATION |
| WBGene000: F49H6.5 | OTHER MOLYBDENUM MOLYBDENUM MOLYBDENUM COFACTOR BIOSYNTHESIS |
| WBGene000: rars-1 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000: Y71H2AM.5 | ENERGY ELECTRON ETC-COMPLEX IV |
| WBGene000: Y71H2AM.6 | COFACTOR: PANTOTHENATE AND COA BIOSYNTHESIS |
| WBGene000: coq-6 | COFACTOR: UBIQUINONE UBIQUINONE UBIQUINONE METABOLISM |
| WBGene000: coq-5 | COFACTOR: UBIQUINONE UBIQUINONE UBIQUINONE METABOLISM |
| WBGene000: cth-2 | AMINO ACID CYS AND MCYSTEINE MCYSTEINE METABOLISM; MET/SAM CYCLE; SELENOCOMPOUND METABOLISM |
| WBGene000: coq-3 | COFACTOR: UBIQUINONE UBIQUINONE UBIQUINONE METABOLISM |
| WBGene000: coq-2 | COFACTOR: UBIQUINONE UBIQUINONE UBIQUINONE METABOLISM |
| WBGene000: coq-1 | OTHER MEVALONATE MEVALONATE MEVALONATE METABOLISM |
| WBGene000: F39B2.3 | REACTIVE CROSS METABOLISM |
| WBGene000: ugt-51 | OTHER UGT ENZYME UGT ENZYME UGT ENZYME |
| WBGene000: T05E7.1 | LIPIDS FATTY ACID BIOSYNTHESIS BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES; I |
| WBGene000: vha-5 | OTHER VACUOLAR VACUOLAR VACUOLAR ATP-ASE |
| WBGene000: nuo-4 | ENERGY ELECTRON ETC-COMPLEX I |
| WBGene000: let-268 | OTHER COLLAGEN COLLAGEN COLLAGEN BIOSYNTHESIS |
| WBGene000: acdh-8 | AMINO ACID BRANCHED-ISOLEUCINE ISOLEUCINE DEGRADATION; LEUCINE DEGRADATION |
| WBGene000: vha-6 | OTHER VACUOLAR VACUOLAR VACUOLAR ATP-ASE |
| WBGene000: Y69A2AL.2 | LIPIDS ETHER LIPID ETHER LIPID ETHER LIPID METABOLISM; GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000: dgk-4 | LIPIDS GLYCEROLIPID GLYCEROLIPID GLYCEROLIPID METABOLISM; GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000: sptl-3 | AMINO ACID GLY, SER A SERINE METSERINE METABOLISM; SPHINGOLIPID METABOLISM |
| WBGene000: pck-3 | CARBOHYDRIC GLYCOLYSIS GLYCOLYSIS GLYCOLYSIS/ GLUCONEOGENESIS |
| WBGene000: acl-11 | LIPIDS GLYCEROLIPID GLYCEROLIPID GLYCEROLIPID METABOLISM; GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000: alh-13 | AMINO ACID ARG AND PFARGININE MARGININE METABOLISM |
| WBGene000: ipla-2 | LIPIDS ETHER LIPID ETHER LIPID ETHER LIPID METABOLISM; GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000: F54D5.12 | OTHER OTHER OTHER OTHER |
| WBGene000: pyk-2 | CARBOHYDRIC GLYCOLYSIS; GLYCOLYSIS; GLYCOLYSIS/ GLUCONEOGENESIS; PURINE METABOLISM |
| WBGene000: acs-5 | LIPIDS FATTY ACID FATTY ACID FATTY ACID BIOSYNTHESIS OTHER; FATTY ACID METABOLISM |
| WBGene000: C31C9.2 | AMINO ACID GLY, SER A OTHER; SEROTHER; SERINE METABOLISM |
| WBGene000: cdd-2 | NUCLEOTID PYRIMIDINE PYRIMIDINE PYRIMIDINE METABOLISM |

IM

ISOLISM;CHITIN DEGRADATION

POUND METABOLISM

ETABOLISM;SULFUR METABOLISM

OSPHATE PATHWAY

ILISM

'CLE

IVIN METABOLISM

RADATION SHUNT

IOCOMPOUND METABOLISM;SERINE METABOLISM

FATTY ACID BIOSYNTHESIS OTHER

TION;MITOCHONDRIAL FATTY ACID DEGRADATION;VALINE DEGRADATION

.LIPID METABOLISM

OLIPID METABOLISM

SM

OLIPID METABOLISM

.LIPID METABOLISM

\BOLISM

DEGRADATION OTHER

| | | | | | |
|---------------------|--------------------|----------------------------------|--------------|-----------------|--|
| WBGene000 F54D5.7 | AMINO ACID | LYSINE | DEGLYSINE | DEGLYSINE | DEGRADATION |
| WBGene000mars-1 | OTHER | AMINOACYLAMINOACYLAMINOACYL-TRNA | BIOSYNTHESIS | | |
| WBGene000:tyms-1 | NUCLEOTID | FOLATE | CY(FOLATE | CY(FOLATE | CYCLE;PYRIMIDINE METABOLISM |
| WBGene000mrp-5 | COFACTOR | VITAMIN B1 | VITAMIN B1 | VITAMIN B12 | METABOLISM |
| WBGene000:pfkb-1.1 | CARBOHYDISUGARS | FRUCTOSE | FRUCTOSE | AND MANNOSE | METABOLISM |
| WBGene000 pck-2 | CARBOHYDIGLYCOLYSI | GLYCOLYSI | GLYCOLYSIS/ | GLUCONEOGENESIS | |
| WBGene000 C14B9.2 | OTHER | COLLAGEN | ICOLLAGEN | ICOLLAGEN | BIOSYNTHESIS |
| WBGene000 hmgs-1 | OTHER | KETONE | BOKETONE | BOKETONE | BODY METABOLISM |
| WBGene000 T21C9.6 | CARBOHYDIORGANIC A | PYRUVATE | PYRUVATE | METABOLISM | |
| WBGene000igcy-1 | OTHER | GUANYLATE | GUANYLATE | GUANYLATE | CYCLASE |
| WBGene000 ctps-1 | NUCLEOTID | PYRIMIDINE | PYRIMIDINE | PYRIMIDINE | METABOLISM |
| WBGene000 pges-2 | OTHER | OTHER | OTHER | OTHER | |
| WBGene000 ugt-59 | OTHER | UGT ENZYME | MUGT ENZYME | MUGT ENZYME | |
| WBGene000 dpyd-1 | NUCLEOTID | PYRIMIDINE | PYRIMIDINE | PYRIMIDINE | METABOLISM |
| WBGene000 ZK673.2 | NUCLEOTID | PURINE | ME | PURINE | ME |
| WBGene000iaco-2 | ENERGY | TRICARBOX | TRICARBOX | TRICARBOX | TRICARBOXYLIC ACID CYCLE |
| WBGene000ldh-1 | CARBOHYDIGLYCOLYSI | GLYCOLYSI | GLYCOLYSIS/ | GLUCONEOGENESIS | PROPIONATE |
| WBGene000 H28O16.1 | ENERGY | ELECTRON | ETC-COMPLE | ETC-COMPLEX | V |
| WBGene000F13B12.4 | AMINO ACID | CYS AND M | CYS | ETC | CYS METABOLISM;SELENOCOMPOUND ME |
| WBGene000igcs-1 | AMINO ACID | CYS AND M | CYS | ETC | CYS METABOLISM;GLUTATHIONE METABO |
| WBGene000icpt-5 | LIPIDS | FATTY ACID | MITOCHON | MITOCHONDRIAL | FATTY ACID DEGRADATION |
| WBGene000:ZK973.11 | OTHER | COLLAGEN | ICOLLAGEN | ICOLLAGEN | BIOSYNTHESIS |
| WBGene000 pho-12 | COFACTOR | GLYCEROP | GLYCEROP | GLYCEROP | GLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA |
| WBGene000 F55G1.9 | AMINO ACID | ARG AND P | ARGININE | MARGININE | METABOLISM;PROLINE METABOLISM |
| WBGene000 F37C12.3 | ENERGY | ELECTRON | ETC-COMPLE | ETC-COMPLEX | I |
| WBGene000:nuo-2 | ENERGY | ELECTRON | ETC-COMPLE | ETC-COMPLEX | I |
| WBGene000F26E4.4 | OTHER | OTHER | OTHER | OTHER | |
| WBGene000.bpnt-1 | ENERGY | NUPURINE | ME | PURINE | ME |
| WBGene000pah-1 | AMINO ACID | FOLATE | BIOFOLATE | BIOFOLATE | BIOSYNTHESIS;PHENYLALANINE DEGR |
| WBGene000igbh-1 | OTHER | OTHER | OTHER | OTHER | |
| WBGene000 ugt-50 | OTHER | UGT ENZYME | MUGT ENZYME | MUGT ENZYME | |
| WBGene000 sucl-2 | ENERGY | TRICARBOX | TRICARBOX | TRICARBOX | TRICARBOXYLIC ACID CYCLE |
| WBGene000.hat-1 | OTHER | OTHER | OTHER | OTHER | |
| WBGene000ifat-6 | LIPIDS | FATTY ACID | FATTY ACID | MUFA | BIOSYNTHESIS |
| WBGene000 M01E11.1 | OTHER | OTHER | OTHER | OTHER | |
| WBGene000F44G4.2 | ENERGY | ELECTRON | ETC-COMPLE | ETC-COMPLEX | I |
| WBGene000 T27E9.2 | ENERGY | ELECTRON | ETC-COMPLE | ETC-COMPLEX | III |
| WBGene000ipiki-1 | OTHER | INOSITOL | P | INOSITOL | P |
| WBGene000:fard-1 | LIPIDS | ETHER LIPI | ETHER LIPI | ETHER LIPI | LIPID METABOLISM |
| WBGene000ugt-33 | OTHER | UGT ENZYME | MUGT ENZYME | MUGT ENZYME | |
| WBGene000 K07E3.4 | ONE CARBO | FOLATE | CY(FOLATE | CY(FOLATE | CYCLE |
| WBGene000IC01G10.9 | AMINO ACID | CYS AND M | METHIONIN | METHIONINE | SALVAGE |
| WBGene000 Y105E8B.9 | CARBOHYDIP | PENTOSE | A | PENTOSE | A |
| WBGene000:hsd-3 | LIPIDS | STEROID | M | BIOSYNTHE | BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES |
| WBGene000 moc-3 | AMINO ACID | ALA, ASP/A | ALANINE | ME | ALANINE METABOLISM;CYSTEINE METABOLISM; |
| WBGene000induf-2.2 | ENERGY | ELECTRON | ETC-COMPLE | ETC-COMPLEX | I |
| WBGene000:T01B11.2 | LIPIDS | GLYCEROP | GLYCEROP | GLYCEROP | GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000itag-96 | CARBOHYDISUGARS | GALACTOSE | GALACTOSE | METABOLISM | |
| WBGene000 rpia-1 | CARBOHYDIP | PENTOSE | P | PENTOSE | P |
| WBGene000 K09E4.2 | CARBOHYDISUGARS | N-GLYCAN | EN-GLYCAN | BIOSYNTHESIS | |
| WBGene000icah-4 | OTHER | OTHER | OTHER | OTHER | |
| WBGene000ifntb-1 | OTHER | OTHER | OTHER | OTHER | |
| WBGene000 cchl-1 | COFACTOR | IRON | META | IRON | META |
| WBGene000 cox-15 | COFACTOR | ELECTRON | ETC-COMPLE | ETC-COMPLEX | IV;IRON METABOLISM;PORPHYRI |
| WBGene000vha-11 | OTHER | VACUOLAR | VACUOLAR | VACUOLAR | ATP-ASE |
| WBGene000itbh-1 | AMINO ACID | TYROSINE | M | TYROSINE | M |
| WBGene000ihyl-1 | LIPIDS | SPHINGOLIF | SPHINGOLIF | SPHINGOLIF | LIPID METABOLISM |
| WBGene000 F29C4.2 | ENERGY | ELECTRON | ETC-COMPLE | ETC-COMPLEX | IV |
| WBGene000:mvk-1 | OTHER | MEVALONA | MEVALONA | MEVALONATE | METABOLISM |

DEGRADATION OTHER

METABOLISM;SULFUR METABOLISM
METABOLISM

METHANOL METABOLISM

ADAPTATION

FUNCTIONS

MOLYBDENUM COFACTOR BIOSYNTHESIS

NITROGEN METABOLISM

| | |
|---------------------|---|
| WBGene000isp-1 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX III |
| WBGene000IC08B6.4 | CARBOHYDIAMINO SUG,AMINO SUG,AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000IC13C4.4 | OTHER OTHER OTHER OTHER |
| WBGene000pcs-1 | AMINO ACIDGLY, SER A GLYCINE ANGLYCINE AND THREONINE METABOLISM OTHER |
| WBGene000pdi-1 | OTHER COLLAGEN ICOLLAGEN ICOLLAGEN BIOSYNTHESIS |
| WBGene000pdi-2 | OTHER COLLAGEN ICOLLAGEN ICOLLAGEN BIOSYNTHESIS |
| WBGene000 F10D2.8 | OTHER UGT ENZYMUGT ENZYMUGT ENZYME |
| WBGene000 ugt-41 | OTHER UGT ENZYMUGT ENZYMUGT ENZYME |
| WBGene000ipri-1 | OTHER OTHER OTHER OTHER |
| WBGene000 Y51H4A.7 | AMINO ACIDHISTIDINE HISTIDINE HISTIDINE DEGRADATION |
| WBGene000 ugt-40 | OTHER UGT ENZYMUGT ENZYMUGT ENZYME |
| WBGene000 ugt-37 | OTHER UGT ENZYMUGT ENZYMUGT ENZYME |
| WBGene000 ugt-38 | OTHER UGT ENZYMUGT ENZYMUGT ENZYME |
| WBGene000ipfk-1.2 | CARBOHYDIGLYCOLYSI GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS;PENTOSE PH |
| WBGene000ipars-1 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000ifat-2 | LIPIDS FATTY ACIDFATTY ACIDMUFA BIOSYNTHESIS;PUFA BIOSYNTHESIS |
| WBGene000IF43G6.5 | OTHER OTHER OTHER OTHER |
| WBGene000 bcmo-2 | COFACTOR:RETINOL MERETINOL MERETINOL METABOLISM |
| WBGene000 H43I07.3 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000 rpac-40 | OTHER OTHER OTHER OTHER |
| WBGene000 C44E12.1 | AMINO ACIDARG AND PFARGININE MARGININE METABOLISM |
| WBGene000IF42F12.4 | AMINO ACIDCYS AND MIMETHIONINIMETHIONINE SALVAGE |
| WBGene000 got-2.1 | AMINO ACIDALA, ASP/A ASPARTATEASPARTATE/ASPARAGINE METABOLISM;CYSTEII |
| WBGene000 bcmo-1 | COFACTOR:RETINOL MERETINOL MERETINOL METABOLISM |
| WBGene000:Y82E9BR.3 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX V |
| WBGene000:acsd-1 | AMINO ACIDTRYPTOPH/TRYPTOPH/TRYPTOPHAN DEGRADATION |
| WBGene000IF32D8.13 | OTHER MEVALONAIMEVALONAIMEVALONATE METABOLISM |
| WBGene000idhs-19 | COFACTOR:RETINOL MERETINOL MERETINOL METABOLISM |
| WBGene000ihdl-1 | AMINO ACIDHISTIDINE HISTIDINE HISTIDINE DEGRADATION;PHENYLALANINE DEG |
| WBGene000idars-2 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000:hpo-8 | LIPIDS;OTH ASCAROSIDASCAROSIDASCAROSIDE BIOSYNTHESIS;BCFA BIOSYNTHES |
| WBGene000 cyp-35A2 | OTHER OTHER OTHER OTHER |
| WBGene000 T26E3.7 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX V |
| WBGene000irpoa-2 | OTHER OTHER OTHER OTHER |
| WBGene000ichil-2 | CARBOHYDIAMINO SUG,AMINO SUG,AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 ugt-13 | OTHER UGT ENZYMUGT ENZYMUGT ENZYME |
| WBGene000 gba-2 | LIPIDS SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000:T22D1.3 | NUCLEOTIDPURINE MEIPURINE MEIPURINE METABOLISM |
| WBGene000 T15H9.6 | OTHER OTHER OTHER OTHER |
| WBGene000iacox-1.1 | LIPIDS;OTH ASCAROSIDASCAROSIDASCAROSIDE BIOSYNTHESIS;BIOSYNTHESIS OF |
| WBGene000ifce-1 | OTHER OTHER OTHER OTHER |
| WBGene000ifbp-1 | CARBOHYDIGLYCOLYSI GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS |
| WBGene000 adsl-1 | AMINO ACIDALA, ASP/A ASPARTATEASPARTATE/ASPARAGINE METABOLISM;PURINE |
| WBGene000ipyp-1 | OTHER OTHER OTHER OTHER |
| WBGene000 R08D7.7 | CARBOHYDIPENTOSE A PENTOSE A PENTOSE AND GLUCURONATE INTERCONVERSI |
| WBGene000 pde-2 | NUCLEOTIDPURINE MEIPURINE MEIPURINE METABOLISM |
| WBGene000idhb-1 | ENERGY TRICARBOXTRICARBOXTRICARBOXYLIC ACID CYCLE |
| WBGene000igcy-25 | OTHER GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000igst-43 | AMINO ACIDTYROSINE MTYROSINE MTYROSINE METABOLISM |
| WBGene000igst-42 | AMINO ACIDTYROSINE MTYROSINE MTYROSINE METABOLISM |
| WBGene000igsy-1 | CARBOHYDISUGARS STARCH ANSTARCH AND SUCROSE METABOLISM |
| WBGene000 gss-1 | AMINO ACIDCYS AND MICYSTEINE MCYSTEINE METABOLISM;GLUTATHIONE METABO |
| WBGene000igta-1 | AMINO ACIDALA, ASP/A GLUTAMATEGLUTAMATE/GLUTAMINE METABOLISM;PROPION |
| WBGene000 chil-13 | CARBOHYDIAMINO SUG,AMINO SUG,AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000IF02A9.4 | AMINO ACIDBRANCHED-LEUCINE DELEUCINE DEGRADATION |
| WBGene000ipus-1 | NUCLEOTIDPYRIMIDINEPYRIMIDINEPYRIMIDINE METABOLISM |
| WBGene000 hpo-18 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX V |
| WBGene000IC26D10.4 | CARBOHYDISUGARS FRUCTOSE FRUCTOSE AND MANNOSE METABOLISM |
| WBGene000iacox-1.4 | LIPIDS;OTH ASCAROSIDASCAROSIDASCAROSIDE BIOSYNTHESIS;BIOSYNTHESIS OF |

OLISM;CHITIN DEGRADATION

OSPHATE PATHWAY

NE METABOLISM;GLUTAMATE/GLUTAMINE METABOLISM;PROLINE METABOLISM;TYROSINE METABOLISM;UBI

RADATION;TRYPTOPHAN DEGRADATION

SIS;MUFA BIOSYNTHESIS;PUFA BIOSYNTHESIS

OLISM;CHITIN DEGRADATION

BILE ACID-LIKE MOLECULES;PEROXISOMAL FATTY ACID DEGRADATION

METABOLISM

ONS

OLISM;GLYCINE AND THREONINE METABOLISM OTHER
ATE DEGRADATION OTHER;VALINE DEGRADATION
OLISM;CHITIN DEGRADATION

BILE ACID-LIKE MOLECULES;PEROXISOMAL FATTY ACID DEGRADATION

QUINONE METABOLISM

| | |
|--------------------|--|
| WBGene000iddo-1 | AMINO ACIDALA, ASP/A ASPARTATEASPARTATE/ASPARAGINE METABOLISM |
| WBGene000 sams-3 | AMINO ACIDCYS AND MEMET/SAM C\MET/SAM CYCLE;METHIONINE SALVAGE |
| WBGene000:ogdh-1 | AMINO ACIDLYSINE DEGLYSINE DEGLYSINE DEGRADATION;TRICARBOXYLIC ACID CY |
| WBGene000 crls-1 | LIPIDS GLYCEROP\GLYCEROP\GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000 C32F10.8 | AMINO ACIDALA, ASP/A ALANINE MEALANINE METABOLISM;GLUTAMATE/GLUTAMINE |
| WBGene000 gana-1 | CARBOHYDISPHINGOLIFGALACTOSEGALACTOSE METABOLISM;SPHINGOLIPID METAI |
| WBGene000 F32D1.5 | NUCLEOTIDPURINE ME\PURINE ME\PURINE METABOLISM |
| WBGene000ifars-1 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000 gba-1 | LIPIDS SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000 polh-1 | OTHER OTHER OTHER OTHER |
| WBGene000 algn-7 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000:Y71F9B.9 | CARBOHYDIPENTOSE A PENTOSE A PENTOSE AND GLUCURONATE INTERCONVERSI |
| WBGene000lears-1 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000iacly-2 | ENERGY TRICARBOXTRICARBOXTRICARBOXYLIC ACID CYCLE |
| WBGene000 D2063.1 | CARBOHYDIGLYCOLYSI\GLYCOLYSI\GLYCOLYSIS/GLUCONEOGENESIS;RETINOL MET |
| WBGene000igcy-14 | OTHER GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000 phy-4 | AMINO ACIDARG AND PFCOLLAGEN ICOLLAGEN BIOSYNTHESIS;PROLINE METABOLIS |
| WBGene000igpdh-1 | LIPIDS GLYCEROP\GLYCEROP\GLYCEROPHOSPHOLIPID METABOLISM |
| WBGene000:upp-1 | NUCLEOTIDPYRIMIDINEPYRIMIDINEPYRIMIDINE METABOLISM |
| WBGene000igcy-15 | OTHER GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000icah-3 | OTHER OTHER OTHER OTHER |
| WBGene000F01G4.5 | OTHER OTHER OTHER OTHER |
| WBGene000 F54D7.2 | LIPIDS ETHER LIPI ETHER LIPI ETHER LIPID METABOLISM;GLYCEROPHOSPHOL |
| WBGene000igcy-12 | OTHER GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000:Y41D4A.6 | OTHER AMINOACYLAMINOACYLAMINOACYL-TRNA BIOSYNTHESIS |
| WBGene000 ucr-2.1 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX III |
| WBGene000igcy-8 | OTHER GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000:mans-3 | CARBOHYDISUGARS N-GLYCAN EN-GLYCAN BIOSYNTHESIS |
| WBGene000ielo-3 | LIPIDS FATTY ACIDFATTY ACIDMUFA BIOSYNTHESIS |
| WBGene000 ivd-1 | AMINO ACIDBRANCHED-LEUCINE DELEUCINE DEGRADATION |
| WBGene000igcy-4 | OTHER GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000igcy-3 | OTHER GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000 C53D5.5 | OTHER AMI\GLUTATHIOI\GLUTATHIOI\GLUTATHIONE METABOLISM;TAURINE AND HYP(C |
| WBGene000igcy-5 | OTHER GUANYLATEGUANYLATEGUANYLATE CYCLASE |
| WBGene000rnr-1 | NUCLEOTIDPURINE ME\PURINE ME\PURINE METABOLISM;PYRIMIDINE METABOLISM |
| WBGene002IC27A2.12 | COFACTOR\GLYCEROP\GLYCEROP\GLYCEROPHOSPHOLIPID METABOLISM;RIBOFLA |
| WBGene000 ant-1.3 | OTHER OTHER OTHER OTHER |
| WBGene000 decr-1.3 | LIPIDS FATTY ACIDMITOCHON\MITOCHONDRIAL FATTY ACID DEGRADATION |
| WBGene000 C50D2.7 | CARBOHYDIAMINO SUG\AMINO SUG\AMINO SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 hpo-13 | LIPIDS SPHINGOLIFSPHINGOLIFSPHINGOLIPID METABOLISM |
| WBGene000idpy-31 | OTHER COLLAGEN ICOLLAGEN ICOLLAGEN BIOSYNTHESIS |
| WBGene000 idh-1 | ENERGY TRICARBOXTRICARBOXTRICARBOXYLIC ACID CYCLE |
| WBGene000:dgtr-1 | LIPIDS GLYCEROLI\GLYCEROLI\GLYCEROLIPID METABOLISM |
| WBGene000IC56A3.8 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000 F13H8.9 | AMINO ACIDALA, ASP/A ALANINE M ALANINE METABOLISM;SELENOCOMPOUND MET |
| WBGene000hap-1 | NUCLEOTIDPURINE ME\PURINE ME\PURINE METABOLISM;PYRIMIDINE METABOLISM |
| WBGene000 pnc-2 | COFACTOR\NICOTINATENICOTINATENICOTINATE AND NICOTINAMIDE METABOLISM |
| WBGene000 seld-1 | OTHER AMI\SELENOCOI\SELENOCOI\SELENOCOMPOUND METABOLISM |
| WBGene000ictl-2 | AMINO ACIDROS METABROS METABROS METABOLISM;TRYPTOPHAN DEGRADATION |
| WBGene000ictl-1 | AMINO ACIDROS METABROS METABROS METABOLISM;TRYPTOPHAN DEGRADATION |
| WBGene000:R11F4.1 | LIPIDS GLYCEROLI\GLYCEROLI\GLYCEROLIPID METABOLISM |
| WBGene000 dtmk-1 | NUCLEOTIDPYRIMIDINEPYRIMIDINEPYRIMIDINE METABOLISM |
| WBGene000ifat-1 | LIPIDS FATTY ACIDFATTY ACIDPUFA BIOSYNTHESIS |
| WBGene000;set-21 | OTHER OTHER OTHER OTHER |
| WBGene000F38B2.4 | NUCLEOTIDPURINE ME\PURINE ME\PURINE METABOLISM |
| WBGene000unc-26 | OTHER INOSITOL P INOSITOL P INOSITOL PHOSPHATE METABOLISM |
| WBGene000unc-25 | AMINO ACIDALA, ASP/A ASPARTATEASPARTATE/ASPARAGINE METABOLISM;GLUTAM |
| WBGene000 bca-2 | OTHER OTHER OTHER OTHER |
| WBGene000ipole-1 | OTHER OTHER OTHER OTHER |

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METABOLISM
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DTAURINE METABOLISM

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COLISM;GLYCOLYSIS/GLUCONEOGENESIS;STARCH AND SUCROSE METABOLISM

ABOLISM

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|

ATE/GLUTAMINE METABOLISM;TAURINE AND HYPOTAURINE METABOLISM

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|---------------------|---------------------|----------------------------------|----------------------|--|
| WBGene000:dpm-1 | CARBOHYDISUGARS | N-GLYCAN | EN-GLYCAN | BIOSYNTHESIS |
| WBGene000:ads-1 | LIPIDS | ETHER LIPI | ETHER LIPI | ETHER LIPID METABOLISM |
| WBGene000:mif-1 | AMINO ACID | PHENYLALAPHENYLALAPHENYLALANINE | DEGRADATION | |
| WBGene000:unc-32 | OTHER | VACUOLAR | VACUOLAR | VACUOLAR ATP-ASE |
| WBGene000:asg-1 | ENERGY | ELECTRON | ETC-COMPLETC-COMPLEX | V |
| WBGene000 Y106G6E.4 | ONE CARBCFOLATE | CY(FOLATE | CY(FOLATE | CYCLE |
| WBGene000:vha-19 | OTHER | VACUOLAR | VACUOLAR | VACUOLAR ATP-ASE |
| WBGene000:alh-11 | AMINO ACID | ARG AND PFARGININE | MARGININE | METABOLISM;GLYCEROLIPID METABC |
| WBGene000 C56G3.2 | LIPIDS | GLYCEROLI | GLYCEROLI | GLYCEROLIPID METABOLISM |
| WBGene000:inos-1 | OTHER | INOSITOL P | INOSITOL P | INOSITOL PHOSPHATE METABOLISM |
| WBGene000:qars-1 | OTHER | AMINOACYLAMINOACYLAMINOACYL-TRNA | BIOSYNTHESIS | |
| WBGene000:chil-25 | CARBOHYDIAMINO | SUG.AMINO | SUG.AMINO | SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000:F53F1.2 | LIPIDS | STEROID M | BIOSYNTHE | BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES |
| WBGene000 F58A6.1 | LIPIDS | FATTY ACID | PEROXISOM | PEROXISOMAL FATTY ACID DEGRADATION |
| WBGene000:ldhg-1 | ENERGY | TRICARBOX | TRICARBOX | TRICARBOXYLIC ACID CYCLE |
| WBGene000:hex-5 | CARBOHYDISPHINGOLIF | N-GLYCAN | EN-GLYCAN | BIOSYNTHESIS;SPHINGOLIPID METAB |
| WBGene000:iatr-1 | AMINO ACID | ARG AND PFARGININE | MARGININE | METABOLISM;PROLINE METABOLISM |
| WBGene000:ndk-1 | NUCLEOTID | PURINE ME | PURINE ME | PURINE METABOLISM;PYRIMIDINE METABOLISM |
| WBGene000:chil-27 | CARBOHYDIAMINO | SUG.AMINO | SUG.AMINO | SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 C37H5.13 | LIPIDS | FATTY ACID | FATTY ACID | FATTY ACID BIOSYNTHESIS OTHER |
| WBGene000:igcy-34 | OTHER | GUANYLATE | GUANYLATE | GUANYLATE CYCLASE |
| WBGene000 F35C8.5 | LIPIDS | STEROID M | BIOSYNTHE | BIOSYNTHESIS OF BILE ACID-LIKE MOLECULES |
| WBGene000:gmd-2 | CARBOHYDISUGARS | FRUCTOSE | FRUCTOSE | AND MANNOSE METABOLISM |
| WBGene000:gpx-1 | REACTIVE | CGLUTATHIO | IGLUTATHIO | IGLUTATHIONE METABOLISM |
| WBGene000:png-1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000:thk-1 | NUCLEOTID | PYRIMIDINE | PYRIMIDINE | PYRIMIDINE METABOLISM |
| WBGene000:pri-2 | OTHER | OTHER | OTHER | OTHER |
| WBGene000:Y65B4A.8 | COFACTOR: | PANTOTHE | PANTOTHE | PANTOTHE |
| WBGene000:acs-13 | LIPIDS | FATTY ACID | FATTY ACID | FATTY ACID BIOSYNTHESIS OTHER;FATTY ACID |
| WBGene000 ZK643.2 | NUCLEOTID | PYRIMIDINE | PYRIMIDINE | PYRIMIDINE METABOLISM |
| WBGene000:inkb-1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000:catp-3 | OTHER | OTHER | OTHER | OTHER |
| WBGene000:lagr-1 | LIPIDS | SPHINGOLIF | SPHINGOLIF | SPHINGOLIPID METABOLISM |
| WBGene000:ugt-34 | OTHER | UGT ENZY | MUGT ENZY | MUGT ENZYME |
| WBGene000:hpd-1 | AMINO ACID | PHENYLALAPHENYLALAPHENYLALANINE | DEGRADATION; | TYROSINE MET |
| WBGene000:clk-1 | COFACTOR: | UBIQUINONI | UBIQUINONI | UBIQUINONE METABOLISM |
| WBGene000:polk-1 | OTHER | OTHER | OTHER | OTHER |
| WBGene000:F10C2.4 | OTHER | OTHER | OTHER | OTHER |
| WBGene000:chil-1 | CARBOHYDIAMINO | SUG.AMINO | SUG.AMINO | SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000:C08H9.3 | CARBOHYDISUGARS | N-GLYCAN | EN-GLYCAN | BIOSYNTHESIS |
| WBGene000:chil-3 | CARBOHYDIAMINO | SUG.AMINO | SUG.AMINO | SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000 D1005.2 | CARBOHYDIAMINO | SUG.AMINO | SUG.AMINO | SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000:chil-4 | CARBOHYDIAMINO | SUG.AMINO | SUG.AMINO | SUGAR AND NUCLEOTIDE SUGAR METAB |
| WBGene000:ttx-7 | OTHER | INOSITOL P | INOSITOL P | INOSITOL PHOSPHATE METABOLISM |
| WBGene000 C06G3.5 | NUCLEOTID | PURINE ME | PURINE ME | PURINE METABOLISM |
| WBGene000:D2023.4 | AMINO ACID | ARG AND PFARGININE | MARGININE | METABOLISM |
| WBGene000:iodc-1 | AMINO ACID | ARG AND PFARGININE | MARGININE | METABOLISM |
| WBGene000:alh-12 | AMINO ACID | ARG AND PFARGININE | MARGININE | METABOLISM;GLYCEROLIPID METABC |
| WBGene000:ctl-3 | AMINO ACID | ROS | METABROS | METABROS METABOLISM;TRYPTOPHAN DEGRADATION |
| WBGene000:acox-1.3 | LIPIDS; | OTH ASCAROSID | ASCAROSID | ASCAROSIDE BIOSYNTHESIS;BIOSYNTHESIS OF |
| WBGene000:ipla-3 | LIPIDS | ETHER LIPI | ETHER LIPI | ETHER LIPID METABOLISM;GLYCEROPHOSPHOL |
| WBGene000:alh-4 | AMINO ACID | ARG AND PFARGININE | MARGININE | METABOLISM;GLYCEROLIPID METABC |
| WBGene000:alh-5 | AMINO ACID | GLYCEROLI | GLYCEROLI | GLYCEROLIPID METABOLISM;GLYCOLYSIS/GLUC |
| WBGene000:alh-6 | AMINO ACID | ARG AND PFARGININE | MARGININE | METABOLISM;PROLINE METABOLISM |
| WBGene000:alh-7 | AMINO ACID | ALA, ASP/A | GLUTAMATE | GLUTAMATE/GLUTAMINE METABOLISM |
| WBGene000:alh-8 | AMINO ACID | BRANCHED-PROPIONAT | PROPIONATE | DEGRADATION SHUNT;VALINE DE |
| WBGene000:alh-9 | AMINO ACID | GLYCEROLI | GLYCEROLI | GLYCEROLIPID METABOLISM;GLYCEROPHOSPH |
| WBGene000 H23N18.4 | OTHER | UGT ENZY | MUGT ENZY | MUGT ENZYME |
| WBGene000:tald-1 | CARBOHYDI | PENTOSE P | PENTOSE P | PENTOSE PHOSPHATE PATHWAY |

OLISM;GLYCOLYSIS/GLUCONEOGENESIS;TRYPTOPHAN DEGRADATION

OLISM;CHITIN DEGRADATION

OLISM

OLISM;CHITIN DEGRADATION

DEGRADATION OTHER

OLISM

OLISM;CHITIN DEGRADATION

OLISM;CHITIN DEGRADATION

OLISM;PENTOSE AND GLUCURONATE INTERCONVERSIONS;STARCH AND SUCROSE METABOLISM

OLISM;CHITIN DEGRADATION

OLISM;GLYCOLYSIS/GLUCONEOGENESIS;TRYPTOPHAN DEGRADATION

|

BILE ACID-LIKE MOLECULES;PEROXISOMAL FATTY ACID DEGRADATION

LIPID METABOLISM

OLISM;GLYCOLYSIS/GLUCONEOGENESIS;TRYPTOPHAN DEGRADATION

ONEOGENESIS;HISTIDINE DEGRADATION;TYROSINE METABOLISM

GRADATION

OLIPID METABOLISM;GLYCOLYSIS/GLUCONEOGENESIS;LYSINE DEGRADATION;TRYPTOPHAN DEGRADATION

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|-------------------|--|
| WBGene000 fah-1 | AMINO ACIDTYROSINE I TYROSINE I TYROSINE METABOLISM |
| WBGene000 tre-2 | CARBOHYDISUGARS STARCH AN STARCH AND SUCROSE METABOLISM |
| WBGene000 tre-3 | CARBOHYDISUGARS STARCH AN STARCH AND SUCROSE METABOLISM |
| WBGene000 ugt-32 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |
| WBGene000 F26E4.6 | ENERGY ELECTRON ETC-COMPLETC-COMPLEX IV |
| WBGene000 tps-1 | CARBOHYDISUGARS STARCH AN STARCH AND SUCROSE METABOLISM |
| WBGene000 tps-2 | CARBOHYDISUGARS STARCH AN STARCH AND SUCROSE METABOLISM |
| WBGene000 tph-1 | AMINO ACIDFOLATE BIOFOLATE BIOFOLATE BIOSYNTHESIS;TRYPTOPHAN DEGRAD/ |
| WBGene000 tpi-1 | CARBOHYDIGLYCOLYSI GLYCOLYSI GLYCOLYSIS/GLUCONEOGENESIS |
| WBGene000 tre-1 | CARBOHYDISUGARS STARCH AN STARCH AND SUCROSE METABOLISM |
| WBGene000 ugt-31 | OTHER UGT ENZYMU GT ENZYMU GT ENZYME |

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