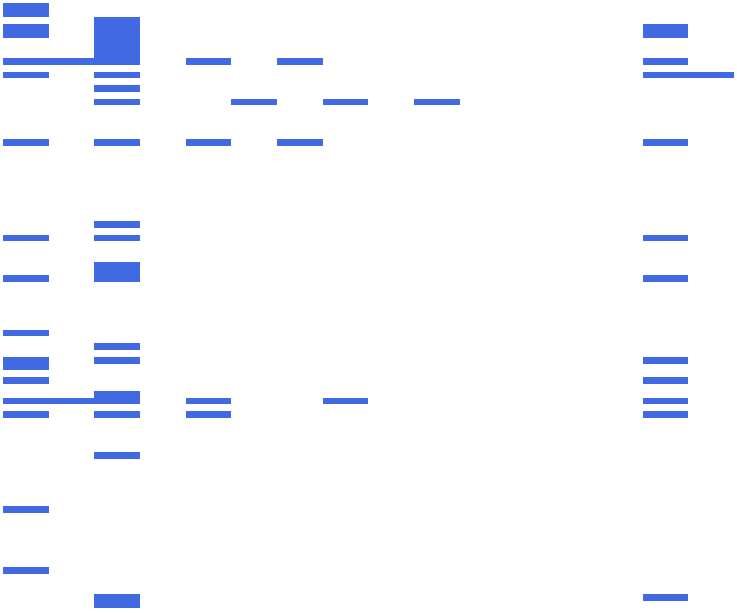

(R)-3-HYDROXYBUTANOATE SYNTHESIS
ACETOACETATE SYNTHESIS
ALANINE SYNTHESIS
ARACHIDONATE SYNTHESIS
ARGININE DEGRADATION
ARGININE SYNTHESIS
ASPARAGINE SYNTHESIS
ASPARTATE SYNTHESIS
ATP REGENERATION FROM GLUCOSE (NORMOXIC CONDITIONS) – GLYCOLYSIS + KREBS CYCLE
BETA-ALANINE DEGRADATION
BETA-ALANINE SYNTHESIS
BIOSYNTHESIS OF NMNFROL_U
CARDIOLIPIN SYNTHESIS
CERAMIDE SYNTHESIS
CHOLESTEROL SYNTHESIS
CIS-VACCENIC ACID DEGRADATION
CMP-N-ACETYLNEURAMINATE SYNTHESIS
CONVERSION OF ASPARTATE TO ARGININE
CONVERSION OF HISTIDINE TO GLUTAMATE
CONVERSION OF LEUCINE TO ACETYL-COA
CONVERSION OF LYSINE TO L-2-AMINOADIPATE
CYSTEINE SYNTHESIS (NEED SERINE AND METHIONINE)
CYTIDINE TRIPHOSPHATE SYNTHESIS (CTP)
DEGRADATION OF NINONMAKIN
DEGRADATION OF S2LIFNDMZMASN
DEOXYADENOSINE TRIPHOSPHATE SYNTHESIS (DATP)
DEOXYCYTIDINE TRIPHOSPHATE SYNTHESIS (DCTP)
DEOXYGUANOSINE TRIPHOSPHATE SYNTHESIS (DGTP)
DEOXYTHYMIDINE TRIPHOSPHATE SYNTHESIS (DTTP)
DEOXYURIDINE TRIPHOSPHATE SYNTHESIS (DUTP)
ELAIDATE DEGRADATION
GAMMA-PYROPHOSPHATE SYNTHESIS
GAMMA-LINOLENATE DEGRADATION
GLUCONEOGENESIS FROM ALANINE
GLUCONEOGENESIS FROM GLUTAMINE
GLUCONEOGENESIS FROM GLYCEROL
GLUCONEOGENESIS FROM LACTATE
GLUCONEOGENESIS FROM PYRUVATE
GLUTAMATE SYNTHESIS
GLUTAMINE SYNTHESIS
GLUTAMINOLYSIS (GLUTAMINE TO LACTATE)
GLUTATHIONATE SYNTHESIS
GLYCINE SYNTHESIS
GLYCO-CHOLATE SYNTHESIS
GUANOSINE TRIPHOSPHATE SYNTHESIS (GTP)
HEME SYNTHESIS
HISTIDINE DEGRADATION
HOMOCYSTEINE DEGRADATION
HYDROXYMETHYLGLUTARYL-COA SYNTHESIS
INOSINE MONOPHOSPHATE SYNTHESIS (IMP)
ISOLEUCINE DEGRADATION
KERATAN SULFATE DEGRADATION
KREBS CYCLE – NADH GENERATION
KREBS CYCLE – OXIDATIVE DECARBOXYLATION OF PYRUVATE
LEUCINE DEGRADATION
LINOLEATE DEGRADATION
LINOLENATE DEGRADATION
LYSINE DEGRADATION
METHIONINE DEGRADATION
N-ACETYLGLUCOSAMINE SYNTHESIS
OXIDATIVE PHOSPHORYLATION VIA NADH--COENZYME Q OXIDOREDUCTASE (COMPLEX I)
OXIDATIVE PHOSPHORYLATION VIA SUCCINATE--COENZYME Q OXIDOREDUCTASE (COMPLEX II)
PALMITOLATE DEGRADATION
PHENYLALANINE DEGRADATION
PHOSPHATIDYL-CHOLINE SYNTHESIS
PHOSPHATIDYL-ETHANOLAMINE SYNTHESIS
PHOSPHATIDYL-INOSITOL SYNTHESIS
PHOSPHATIDYL-INOSITOL TO GLUCOSAMINYL-ACYLPHOSPHATIDYLINOSITOL
PHOSPHATIDYL-SERINE SYNTHESIS
PROLINE SYNTHESIS
REACTOMEMATURATION_OF_SARS_COV_1_NUCLEOPROTEIN
SERINE SYNTHESIS
SPHINGOMYELIN SYNTHESIS
STARCH DEGRADATION
SYNTHESIS OF ACETONE
SYNTHESIS OF ANTHRANILATE FROM TRYPTOPHAN
SYNTHESIS OF ARGININE FROM GLUTAMINE
SYNTHESIS OF COENZYME A
SYNTHESIS OF CREATINE FROM ARGININE
SYNTHESIS OF GALACTOSYL GLUCOSYL CERAMIDE (LINK WITH GANGLIOSIDE METABOLISM)
SYNTHESIS OF GLOBOSIDE (LINK WITH GLOBOSIDE METABOLISM)
SYNTHESIS OF GLUCOCEREBROSIDE
SYNTHESIS OF MALONYL-COA
SYNTHESIS OF PALMITOYL-COA
SYNTHESIS OF QUINOLINATE FROM TRYPTOPHAN
SYNTHESIS OF SPERMIDINE FROM ORNITHINE
SYNTHESIS OF UBIQUINONE FROM TYROSINE
TAURO-CHOLATE SYNTHESIS
TRYPTOPHAN DEGRADATION
TYROSINE DEGRADATION
TYROSINE TO ACETOACETATE AND FUMARATE
TYROSINE TO ADRENALINE
TYROSINE TO DOPAMINE
UDP-N-ACETYL-D-GALACTOSAMINE SYNTHESIS
URIDINE TRIPHOSPHATE SYNTHESIS (UTP)
VALINE DEGRADATION
VALINE TO SUCCINYL-COA