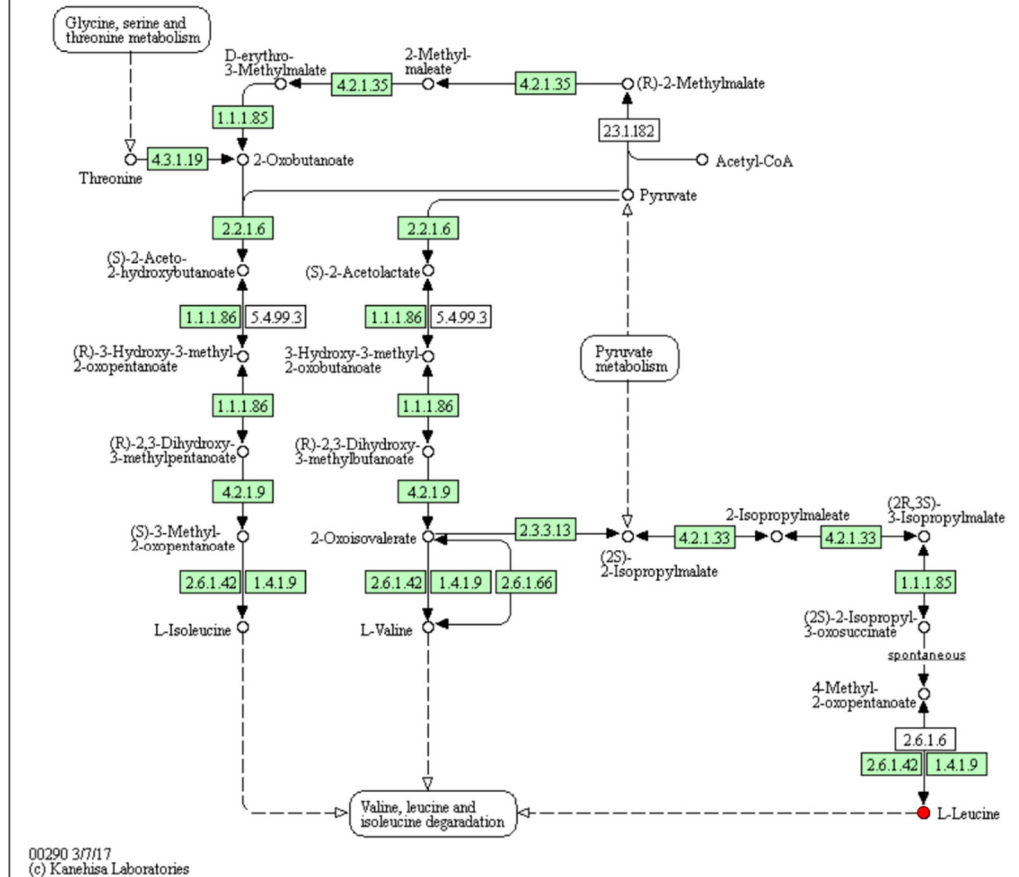
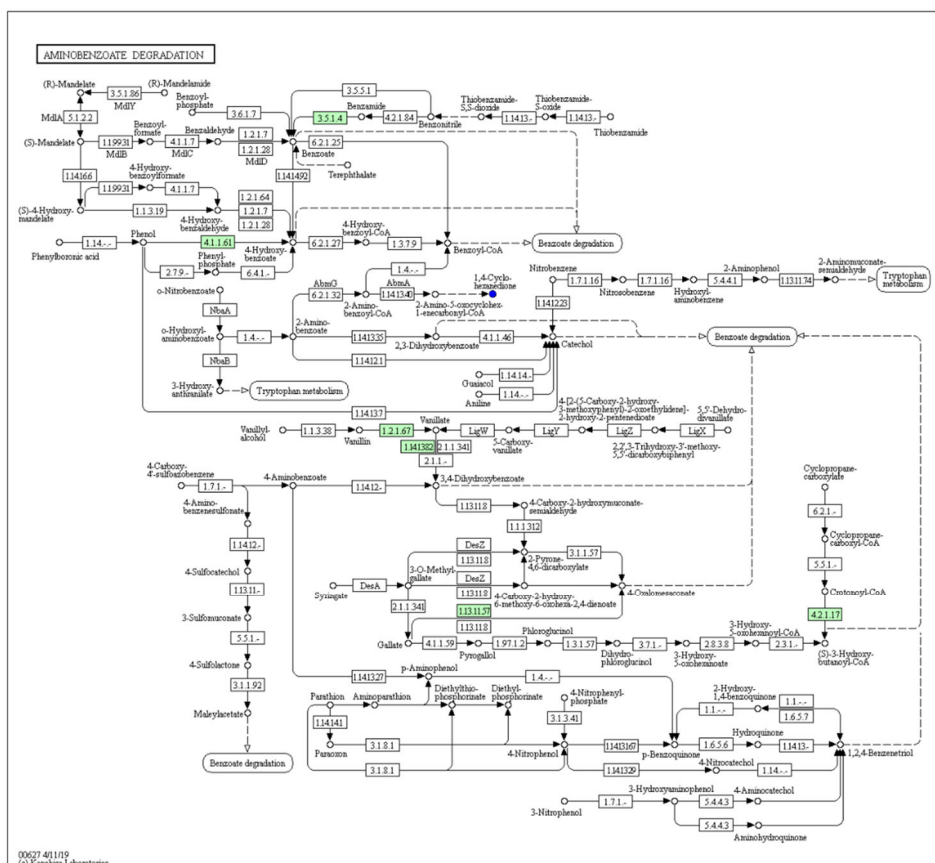
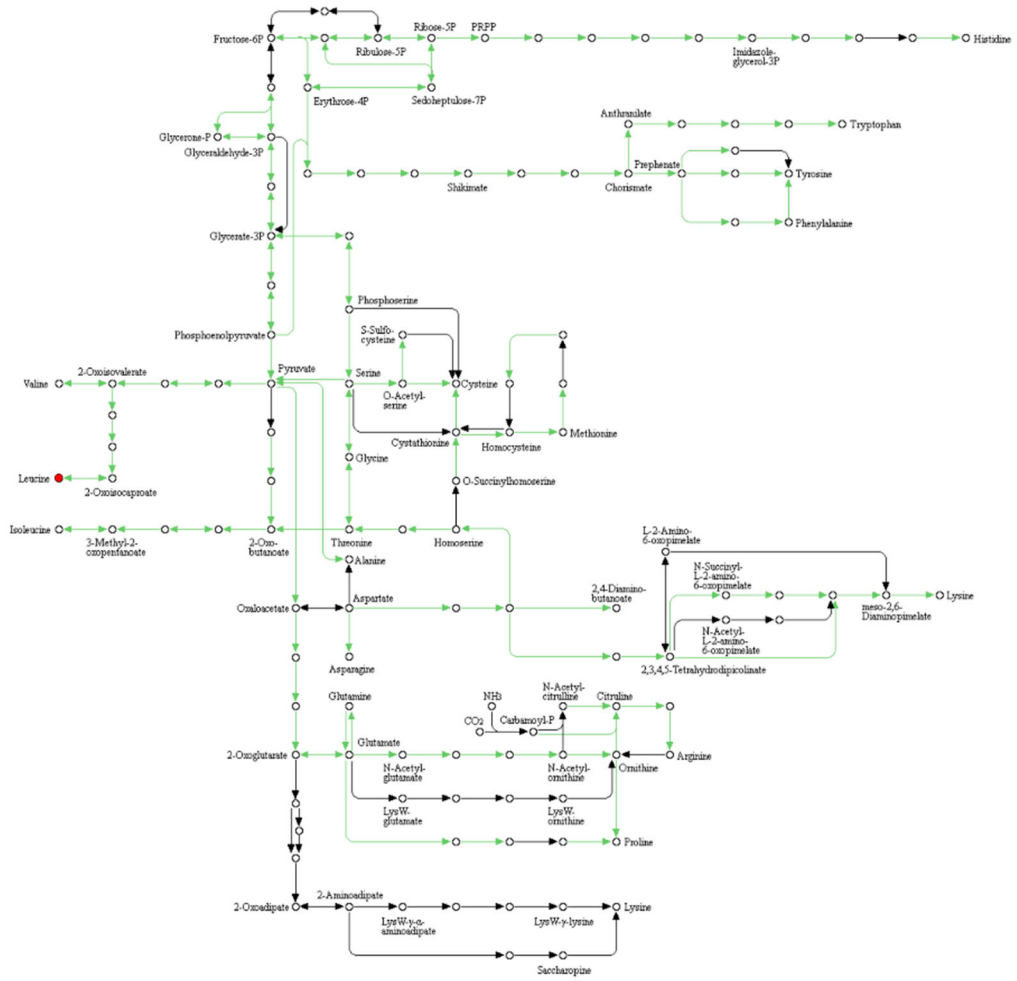


VALINE, LEUCINE AND ISOLEUCINE BIOSYNTHESIS

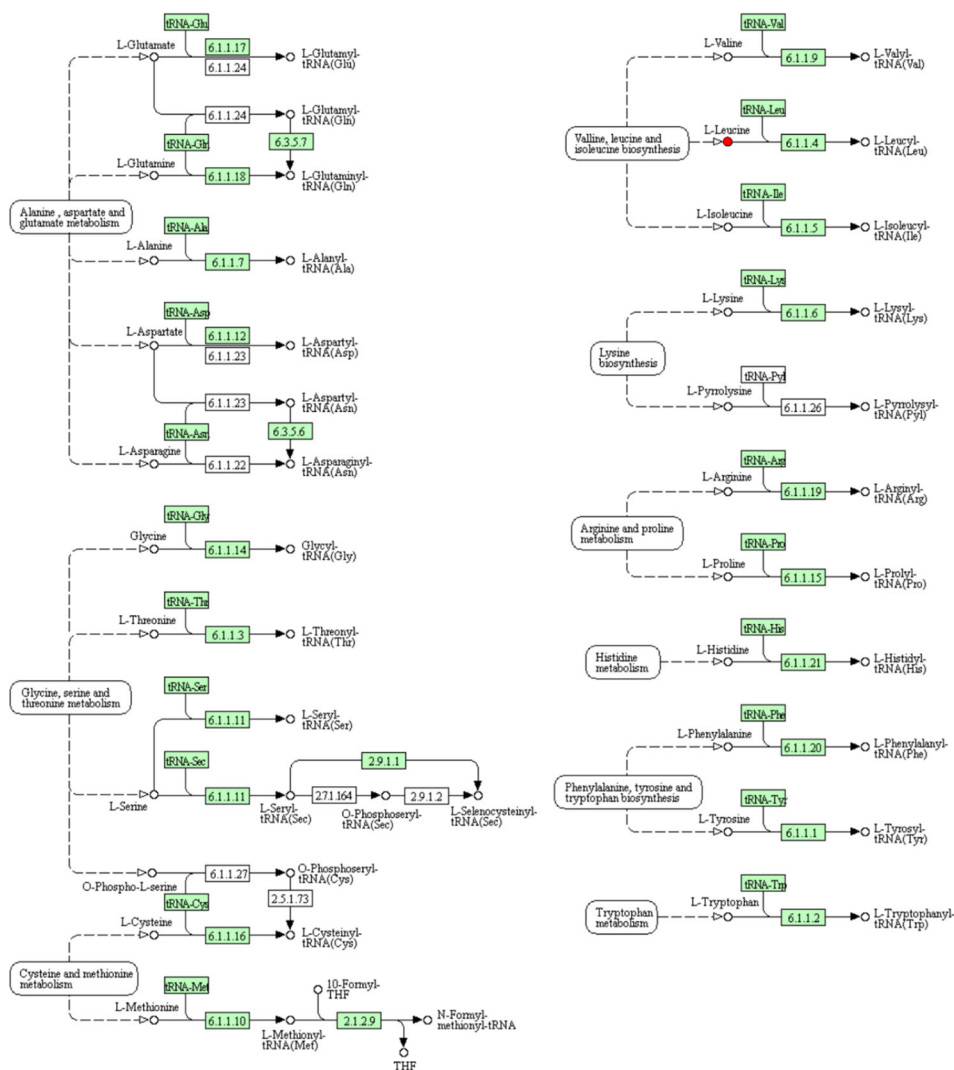




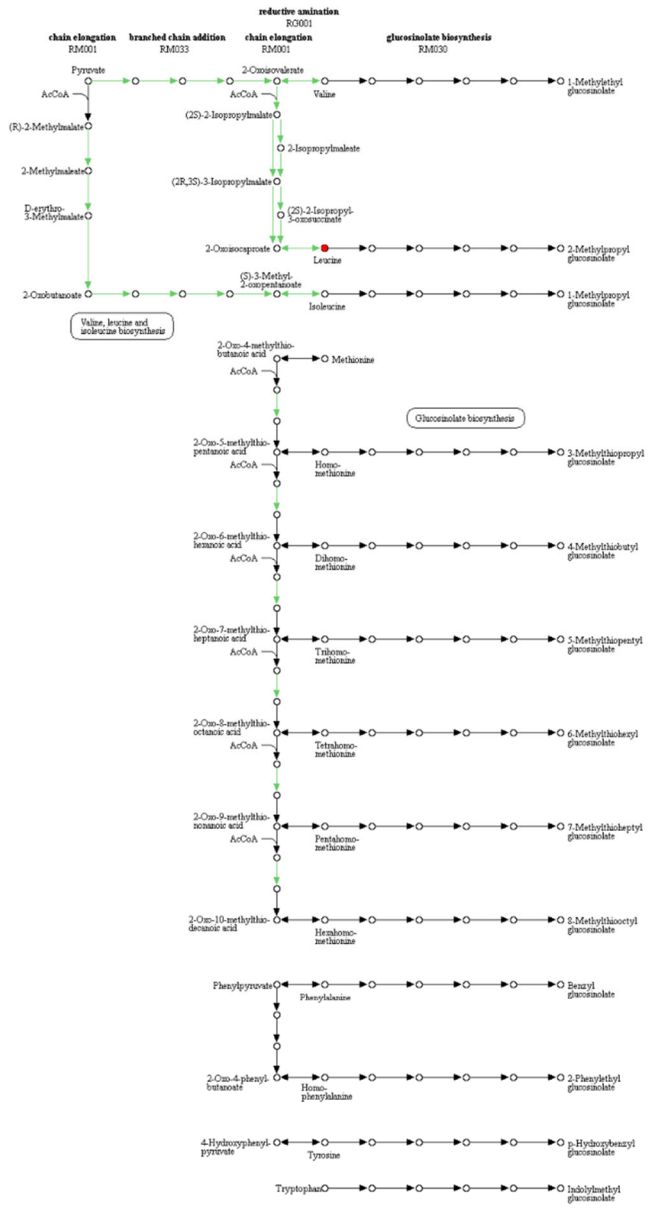
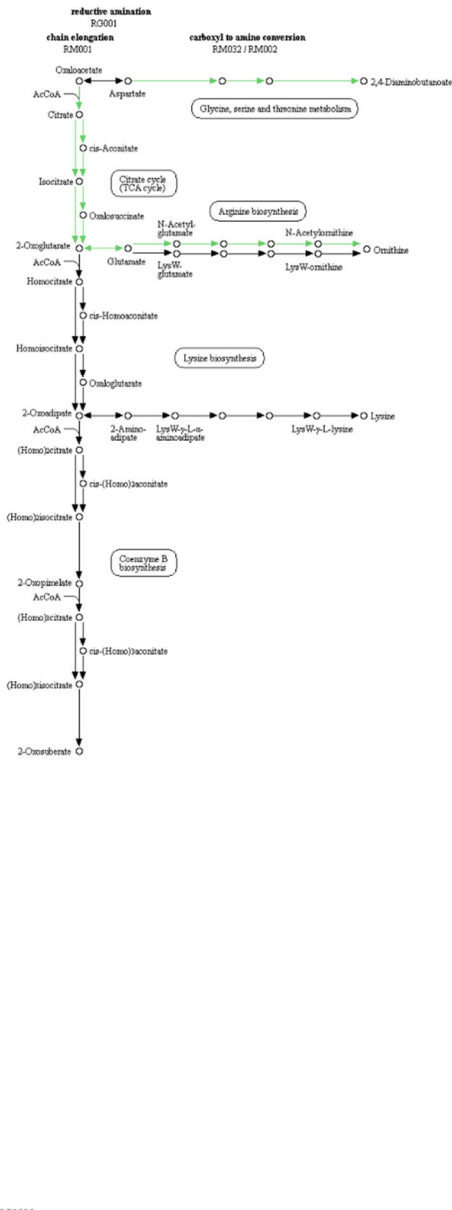
BIOSYNTHESIS OF AMINO ACIDS

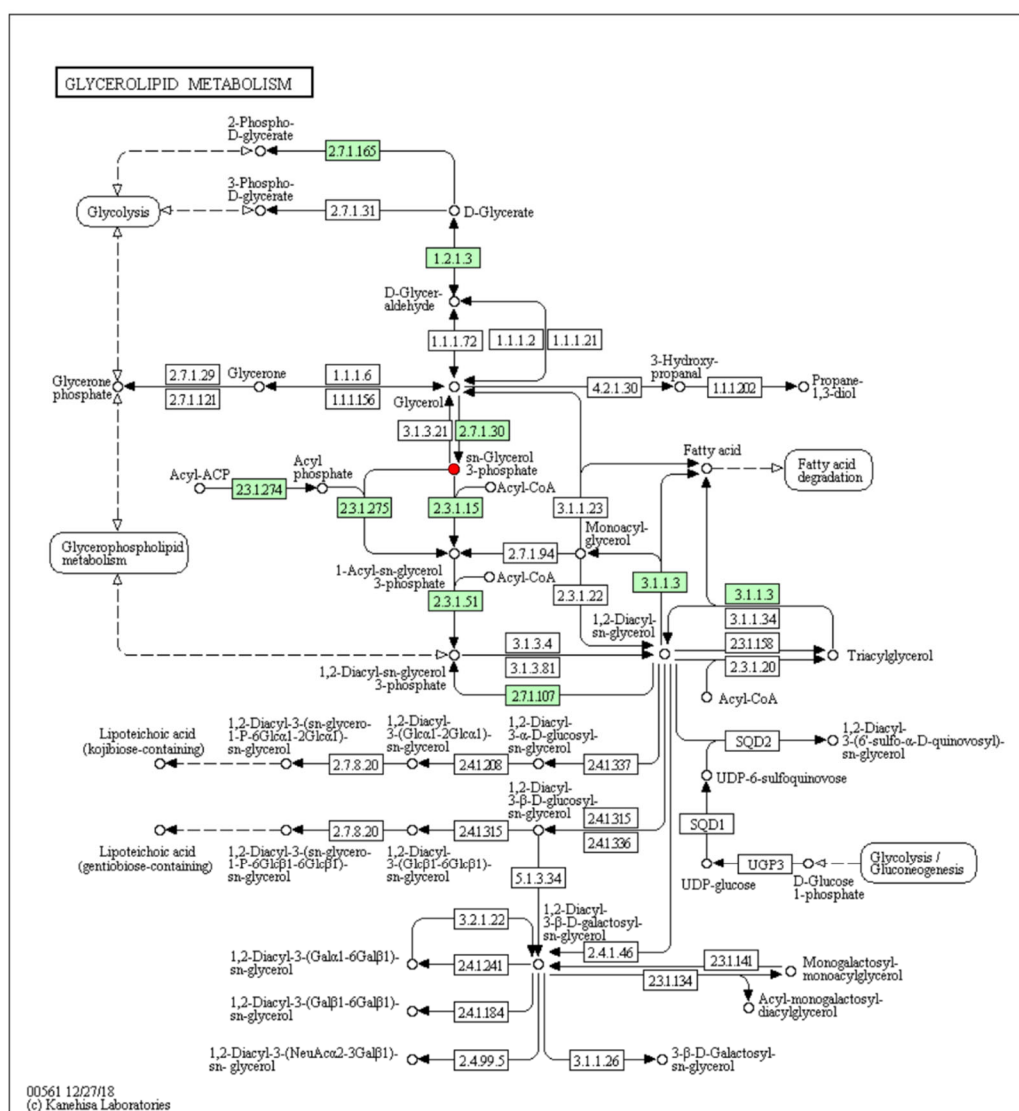


AMINOACYL-tRNA BIOSYNTHESIS

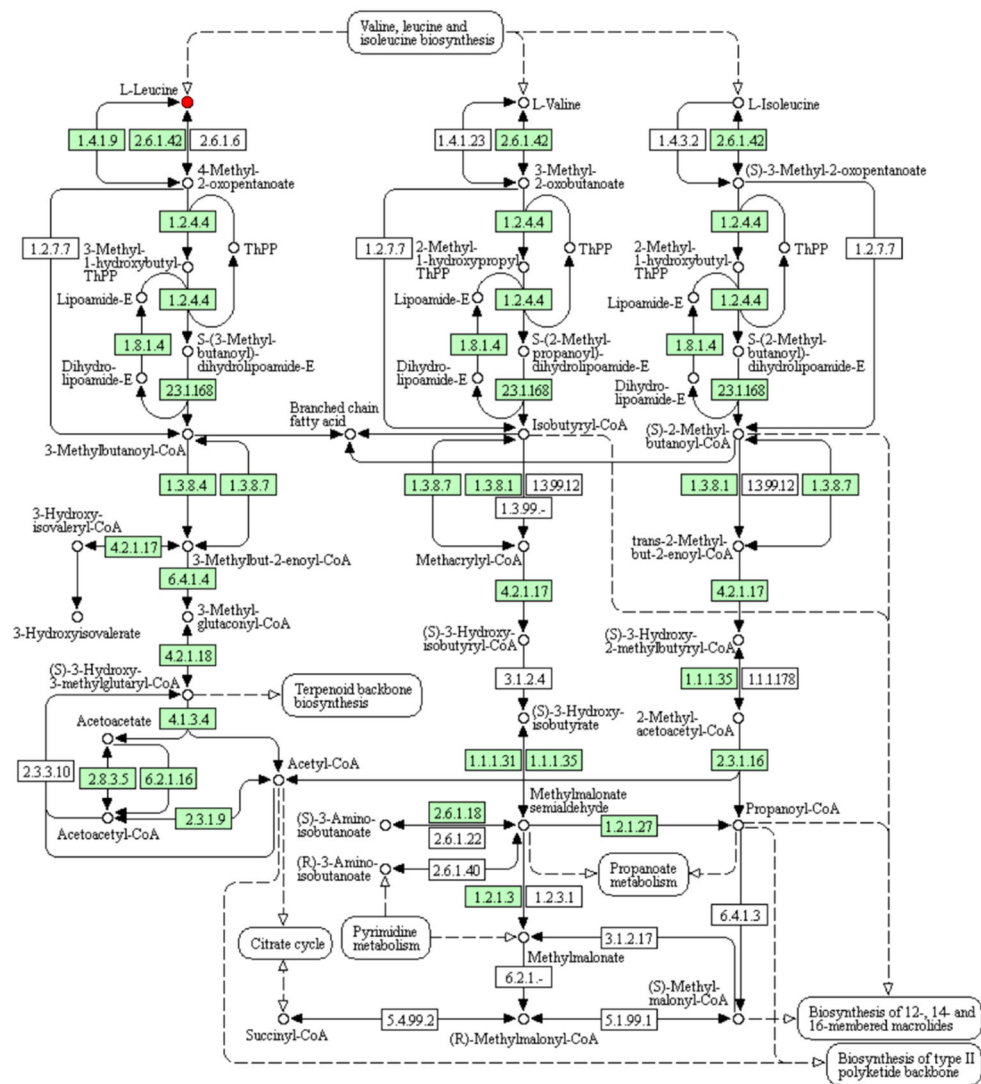


2-OXOCARBOXYLIC ACID METABOLISM





VALINE, LEUCINE AND ISOLEUCINE DEGRADATION



Polycrystalline-type ABC transmon

Mineral and organic ion transport

Sulfate / Thiosulfate \bigcirc —

1000 2000 3000 4000 5000 6000 7000 8000 9000 10000



Thank You!



Описание / Описание / Описание



Peptide and nickel transporters



Metallic cation, iron-siderophore and vitamin B12 transporters



Mannitolin

ABC-2-type components without transporting function

ABCA Subfamily

ABCA1



ABCB2



ABOC1



ABCC11



ARCG Subfamily



Yojl

