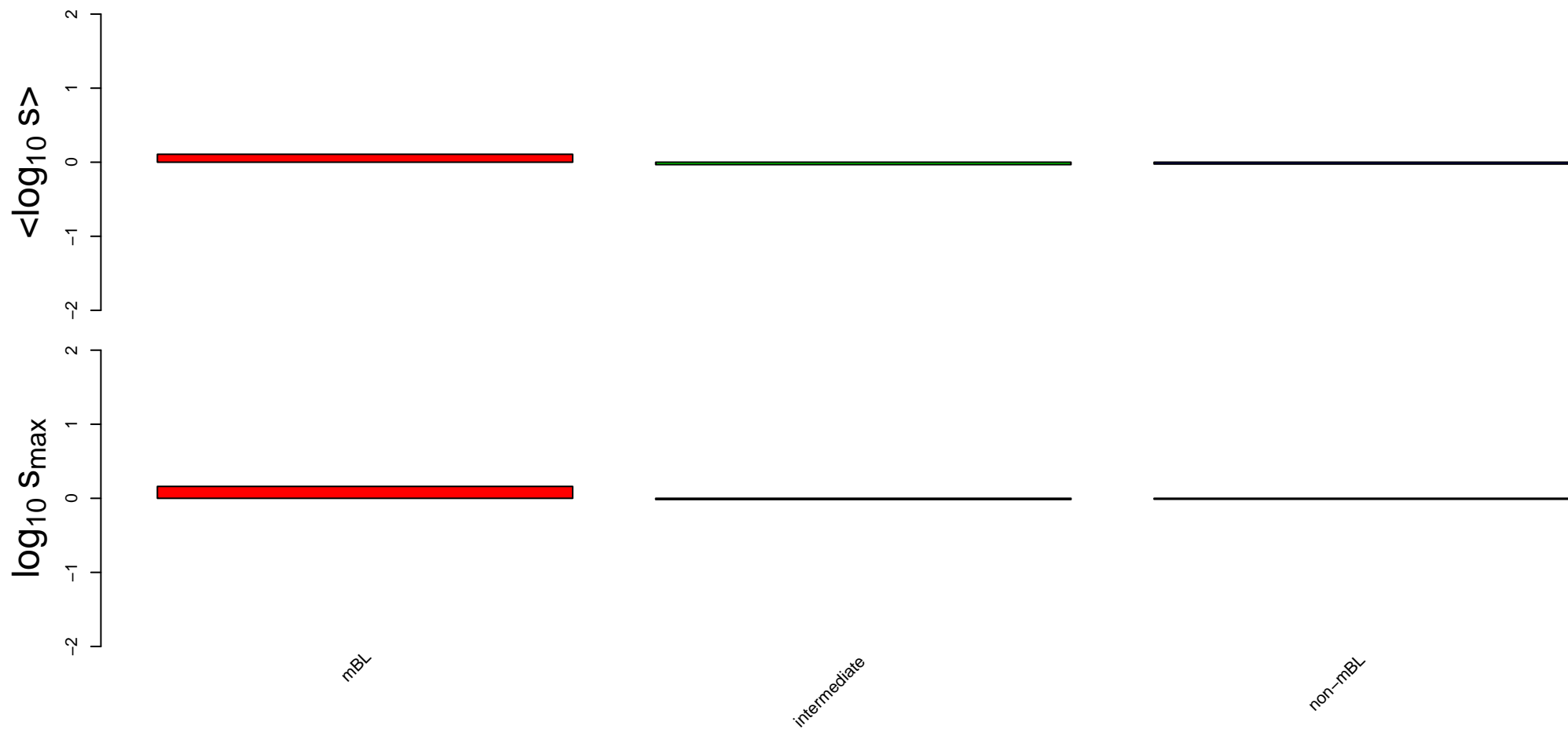
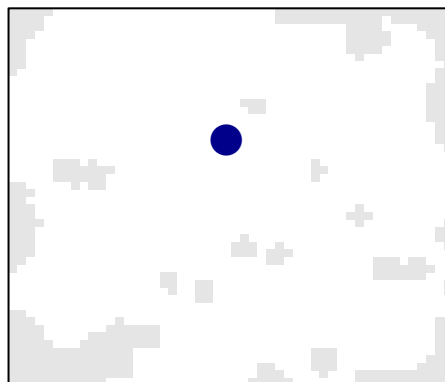
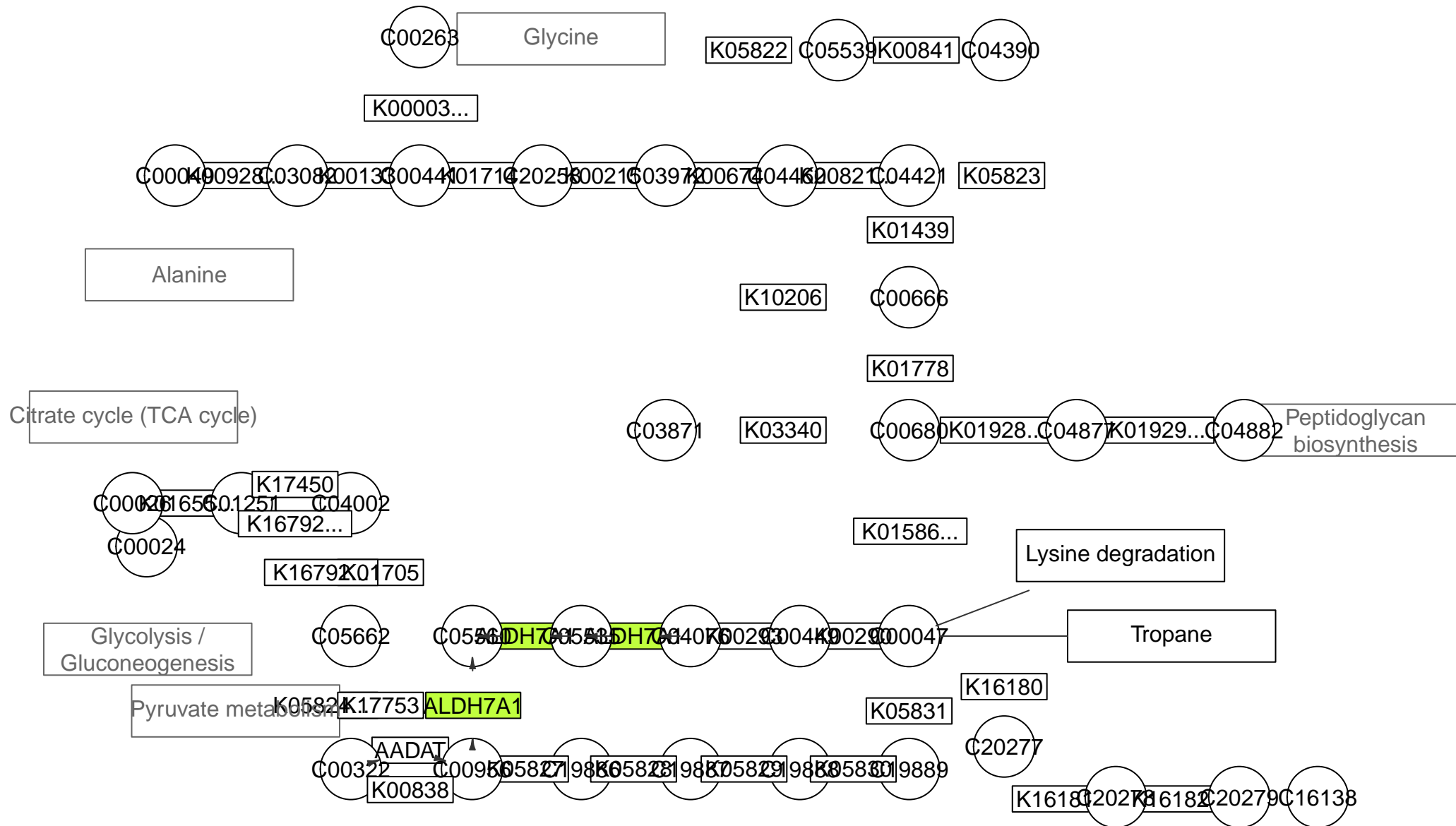


Lysine biosynthesis

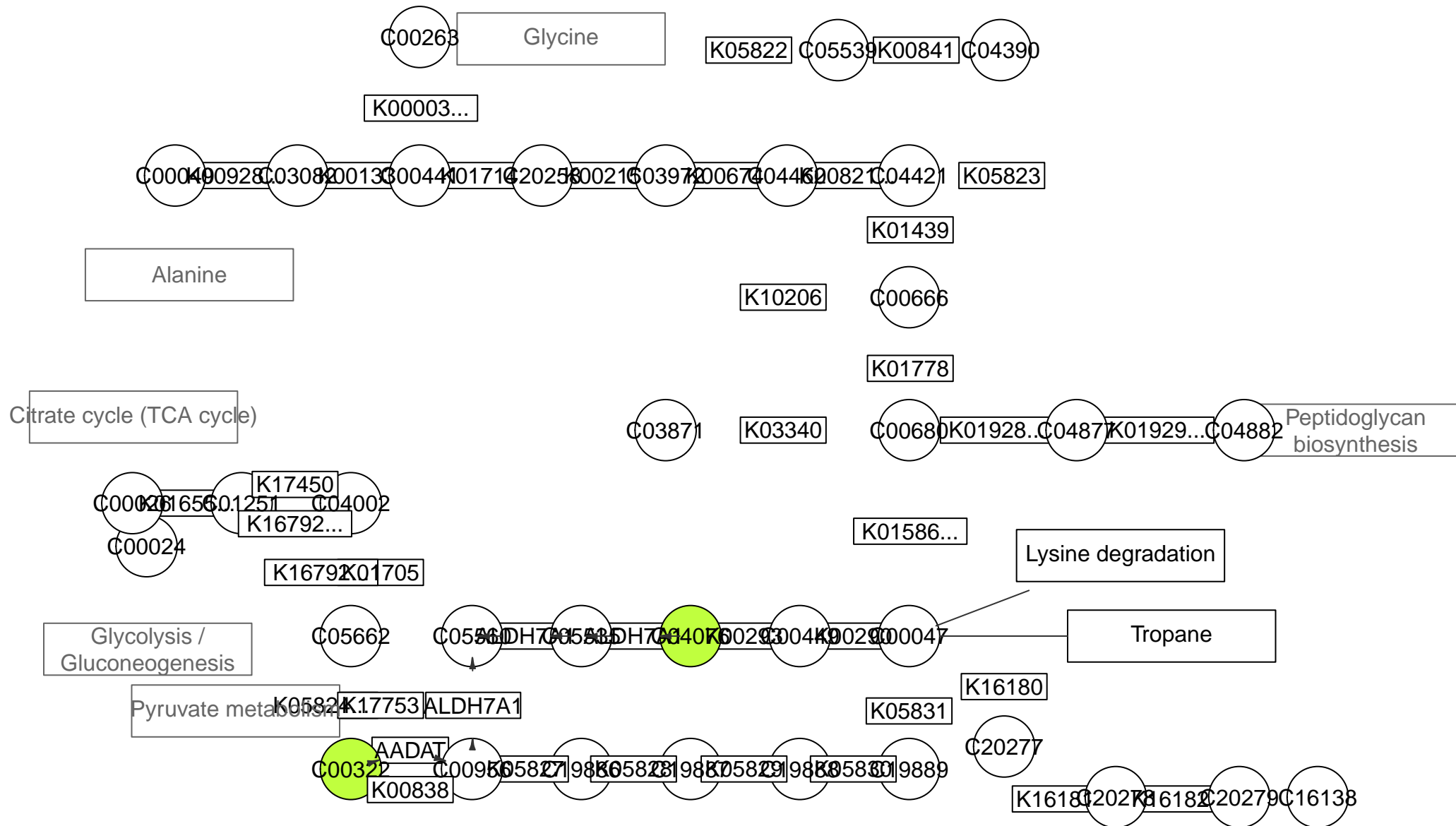
all genes



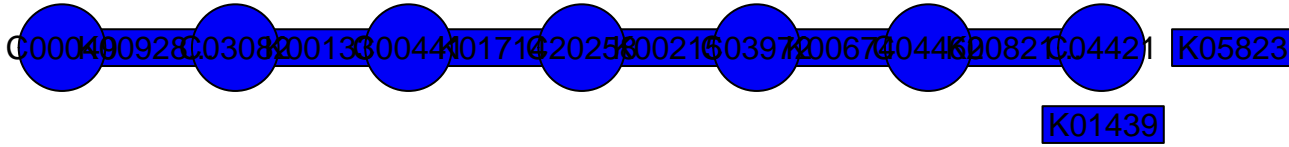
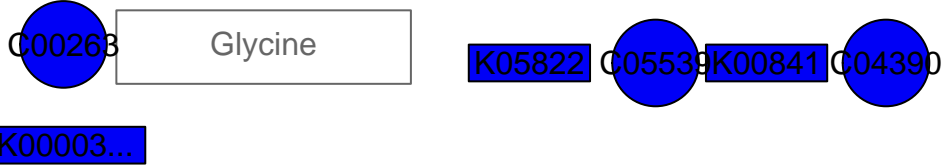
Lysine biosynthesis
(genes with data)



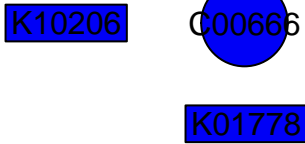
Lysine biosynthesis
(sink nodes)



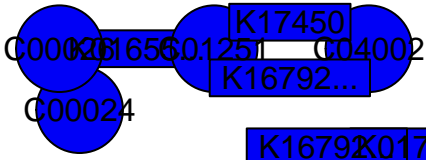
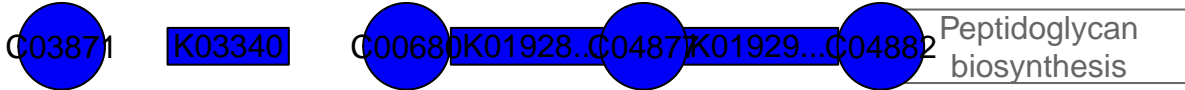
Lysine biosynthesis
mBL



Alanine



Citrate cycle (TCA cycle)

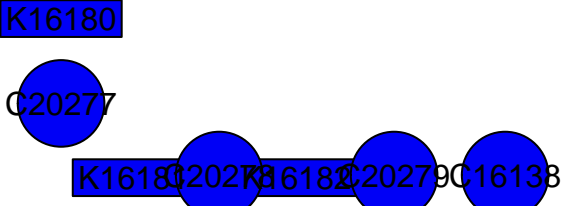
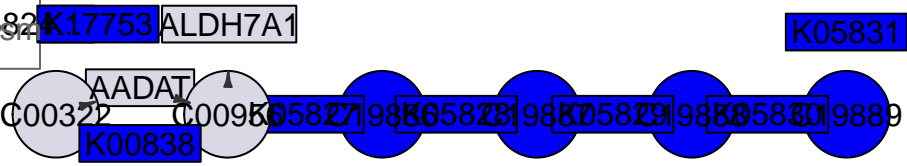


Glycolysis /
Gluconeogenesis

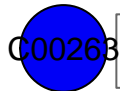


Tropane

Pyruvate metabolism

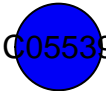


Lysine biosynthesis intermediate

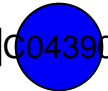


Glycine

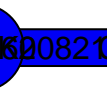
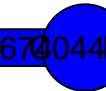
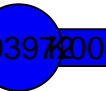
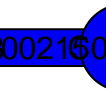
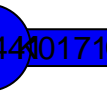
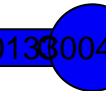
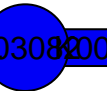
K05822



K00841



K00003...



K01439

Alanine

K10206

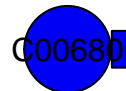


K01778

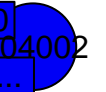
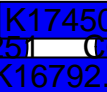
Citrate cycle (TCA cycle)



K03340

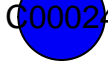


Peptidoglycan biosynthesis



K17450

K16792...



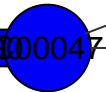
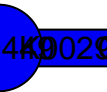
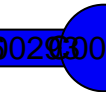
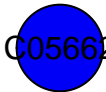
K16792...

K01705

K01586...

Lysine degradation

Glycolysis / Gluconeogenesis



Tropane

Pyruvate metabolism

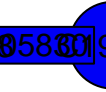
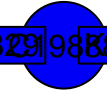
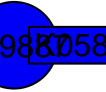
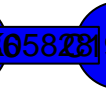
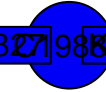
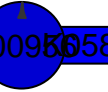
K05824

K17753

ALDH7A1

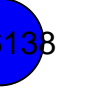
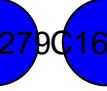
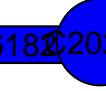
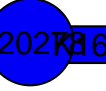
K05831

K16180



K00838

K16180



Lysine biosynthesis
non-mBL

C00263

Glycine

K05822

C05539

K00841

C04390

K00003...

C00049

C0928

C03082

C00130

C00440

C01710

C02058

C00216

C03972

C00674

C04462

C00821

C04421

K05823

K01439

Alanine

K10206

C00666

K01778

Citrate cycle (TCA cycle)

C03871

K03340

C00680

K01928...

C04877

K01929...

C04882

Peptidoglycan
biosynthesis

C00026

C01656

C01251

C04002

K17450

K16792...

C00024

K16792

K01705

K01586...

Lysine degradation

Glycolysis /
Gluconeogenesis

C05662

C05535

C05535

C03404

K00293

C00440

K00290

C00047

Tropane

Pyruvate metabolism

K05824

K17753

ALDH7A1

K05831

K16180

C20277

C00322

AADAT

C00950

K05827

K05828

K05829

K05830

C09889

K00838

K16180

C12023

K16182

C12027

C16138