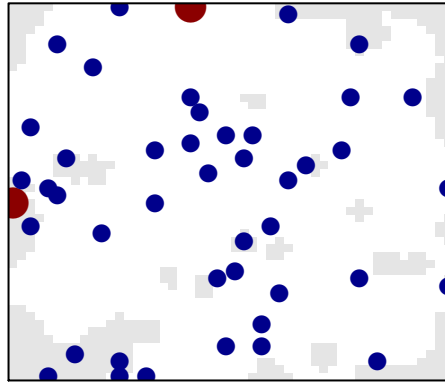
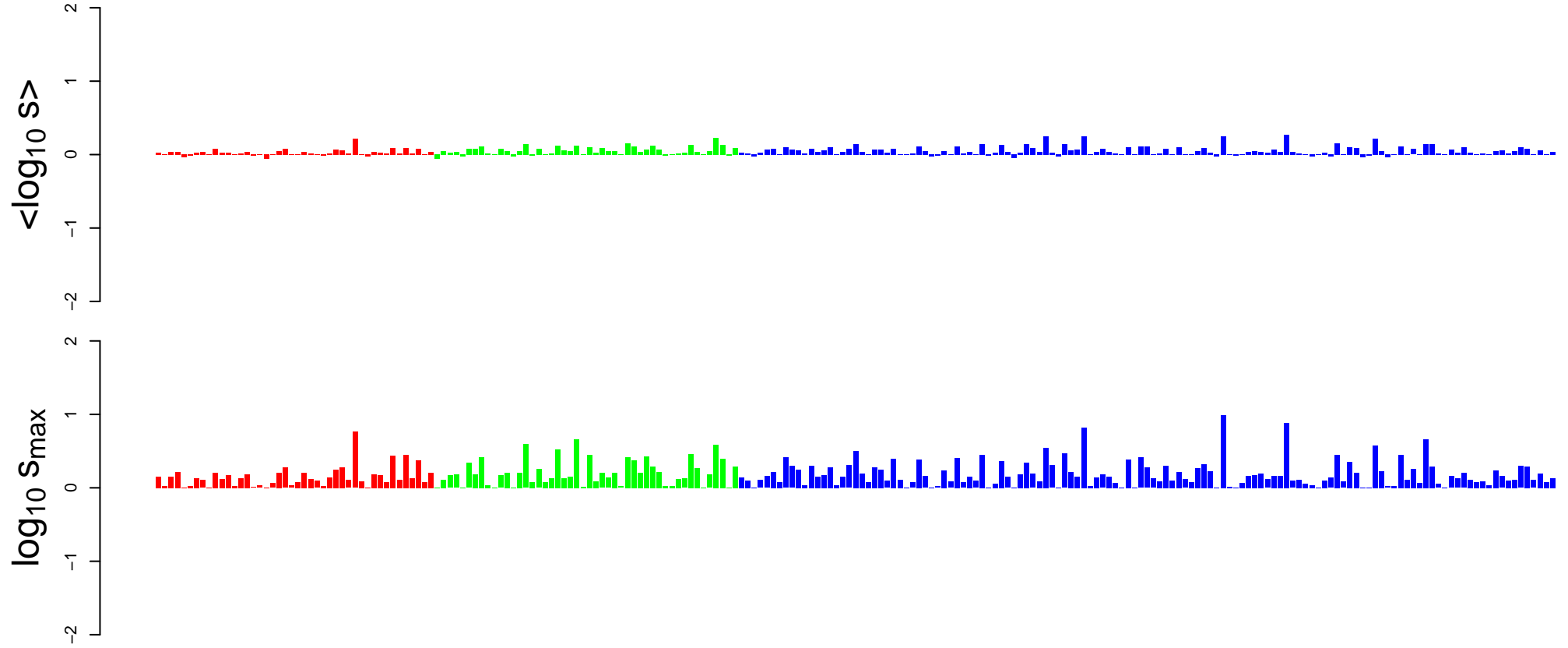


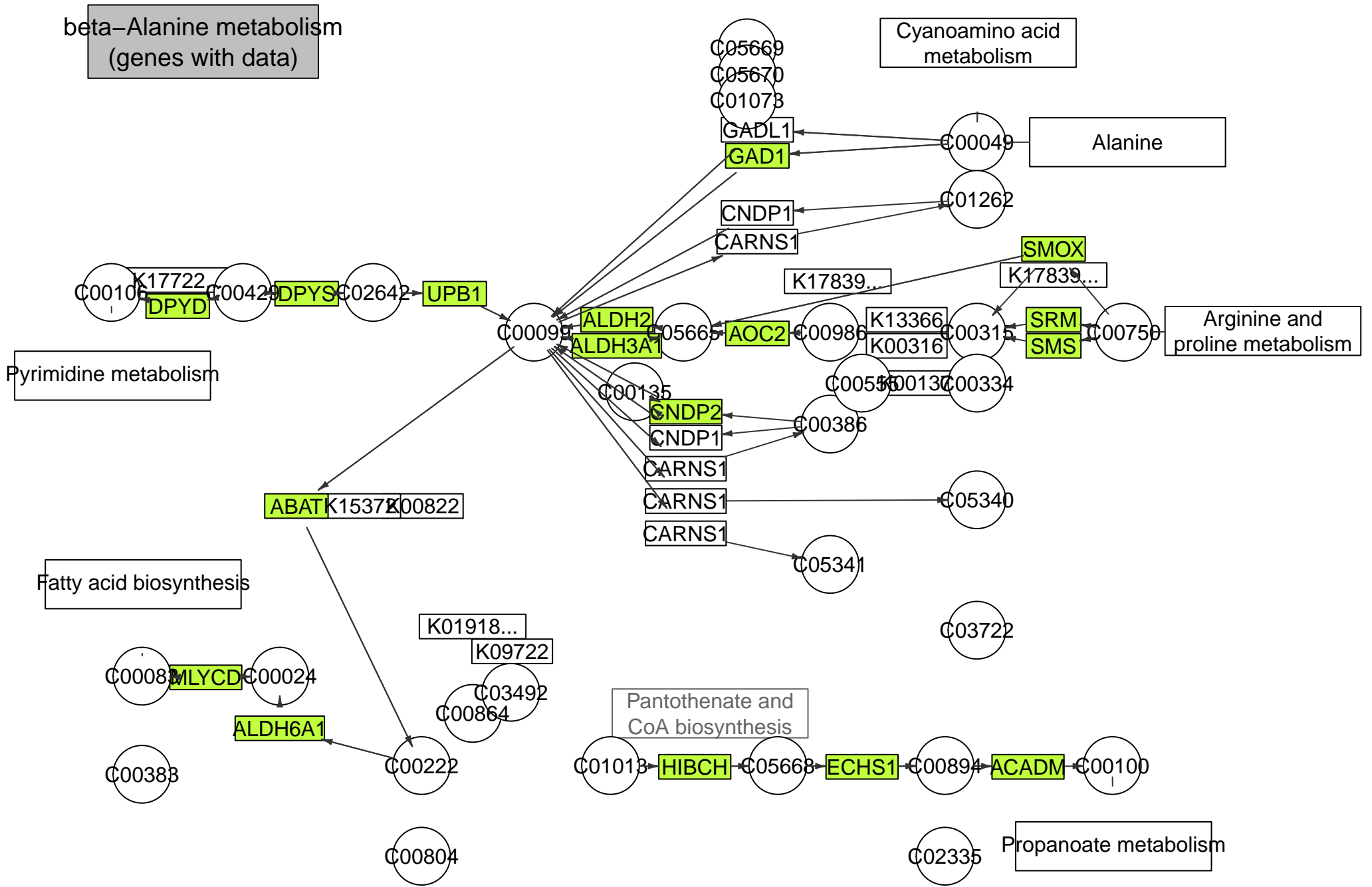
beta-Alanine metabolism

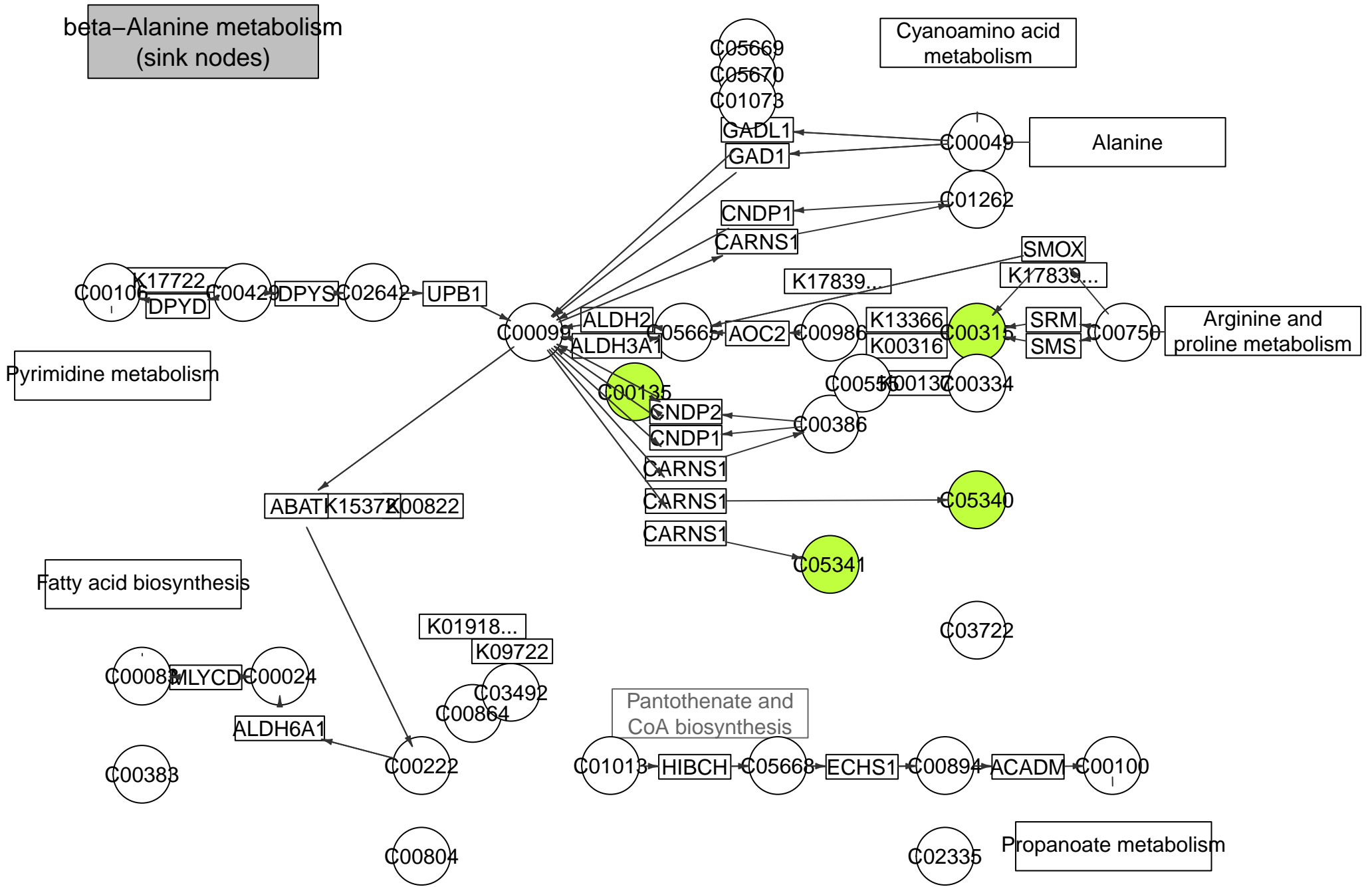
all genes

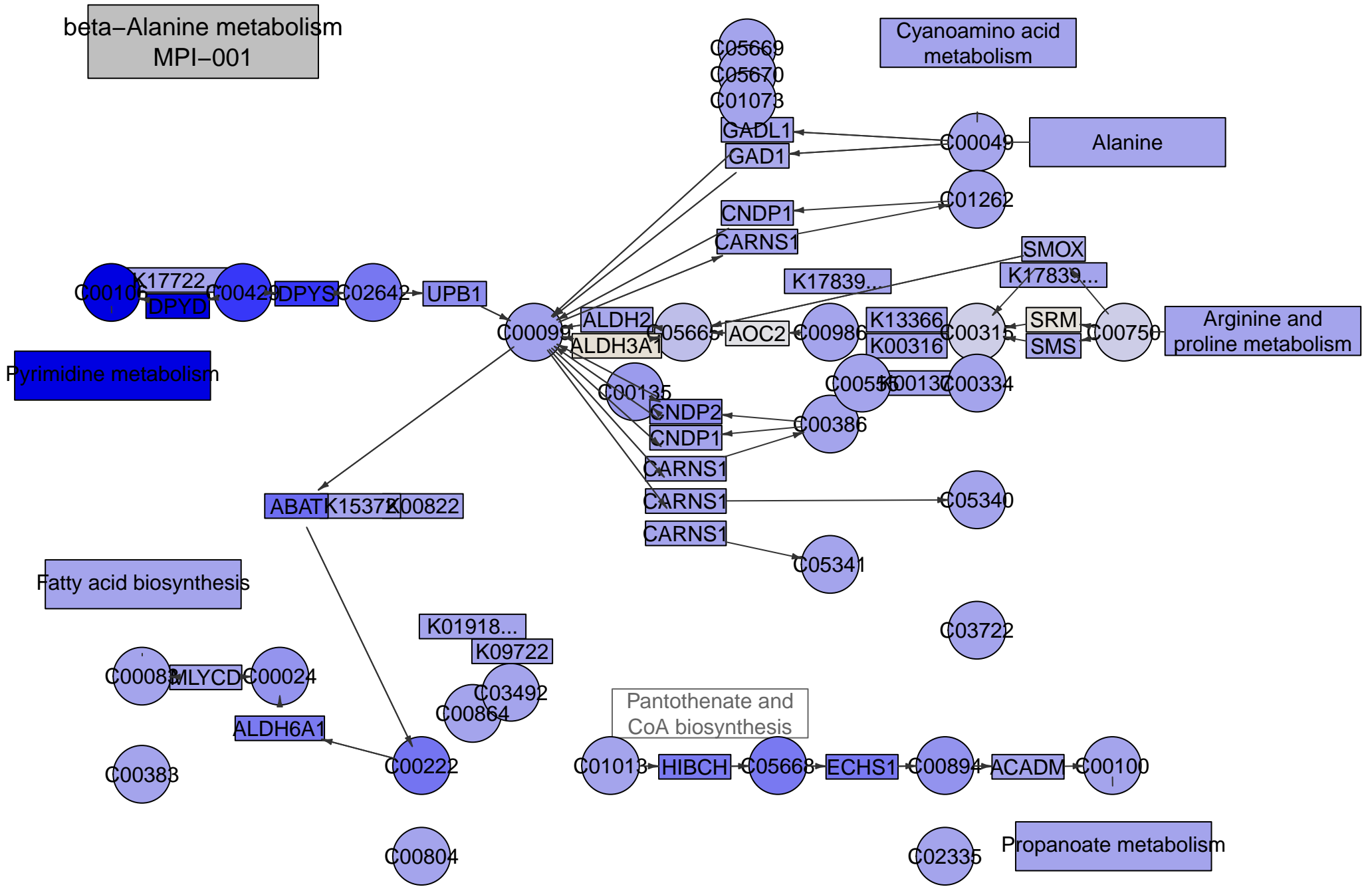


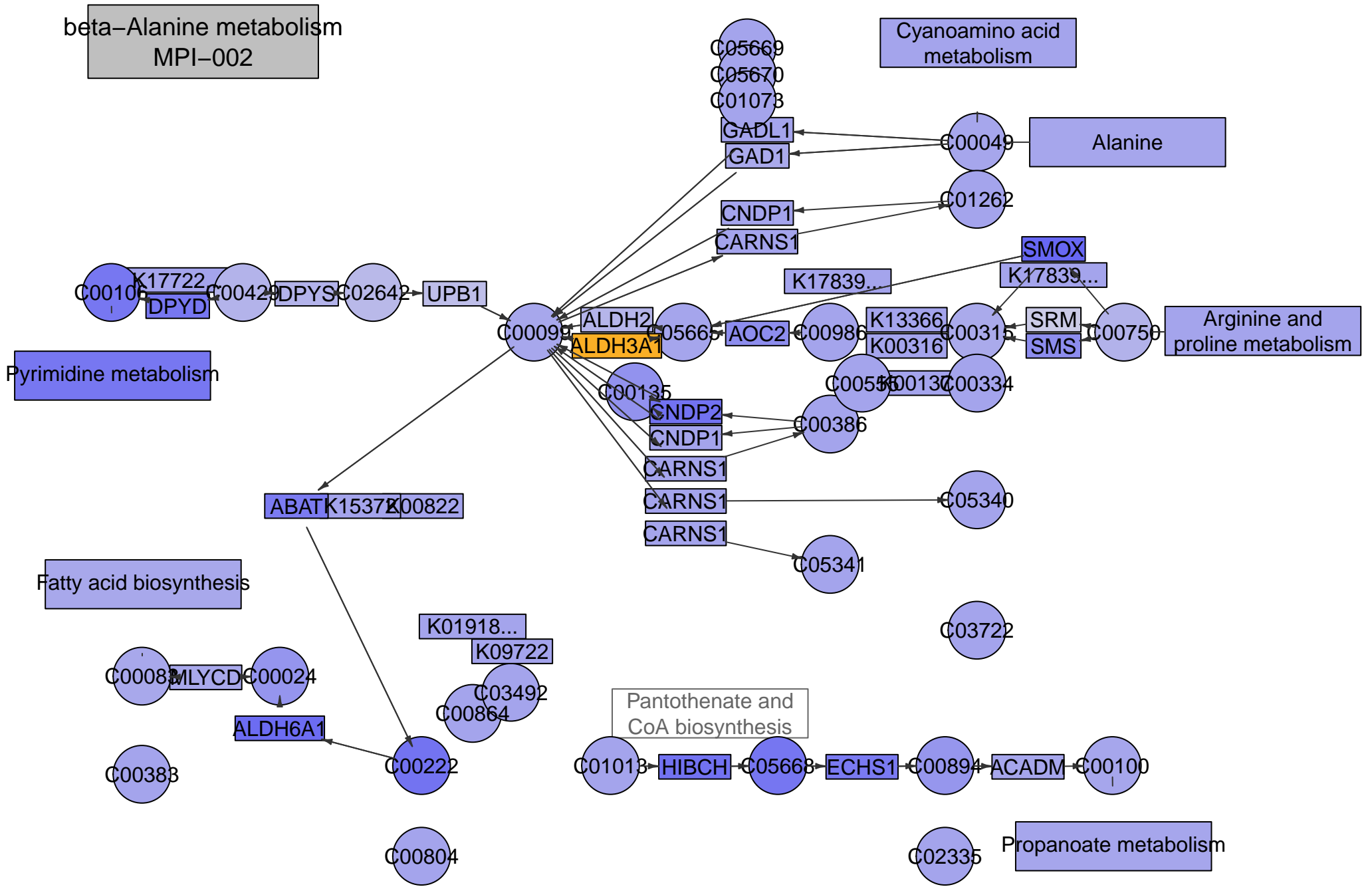
maximum = 2

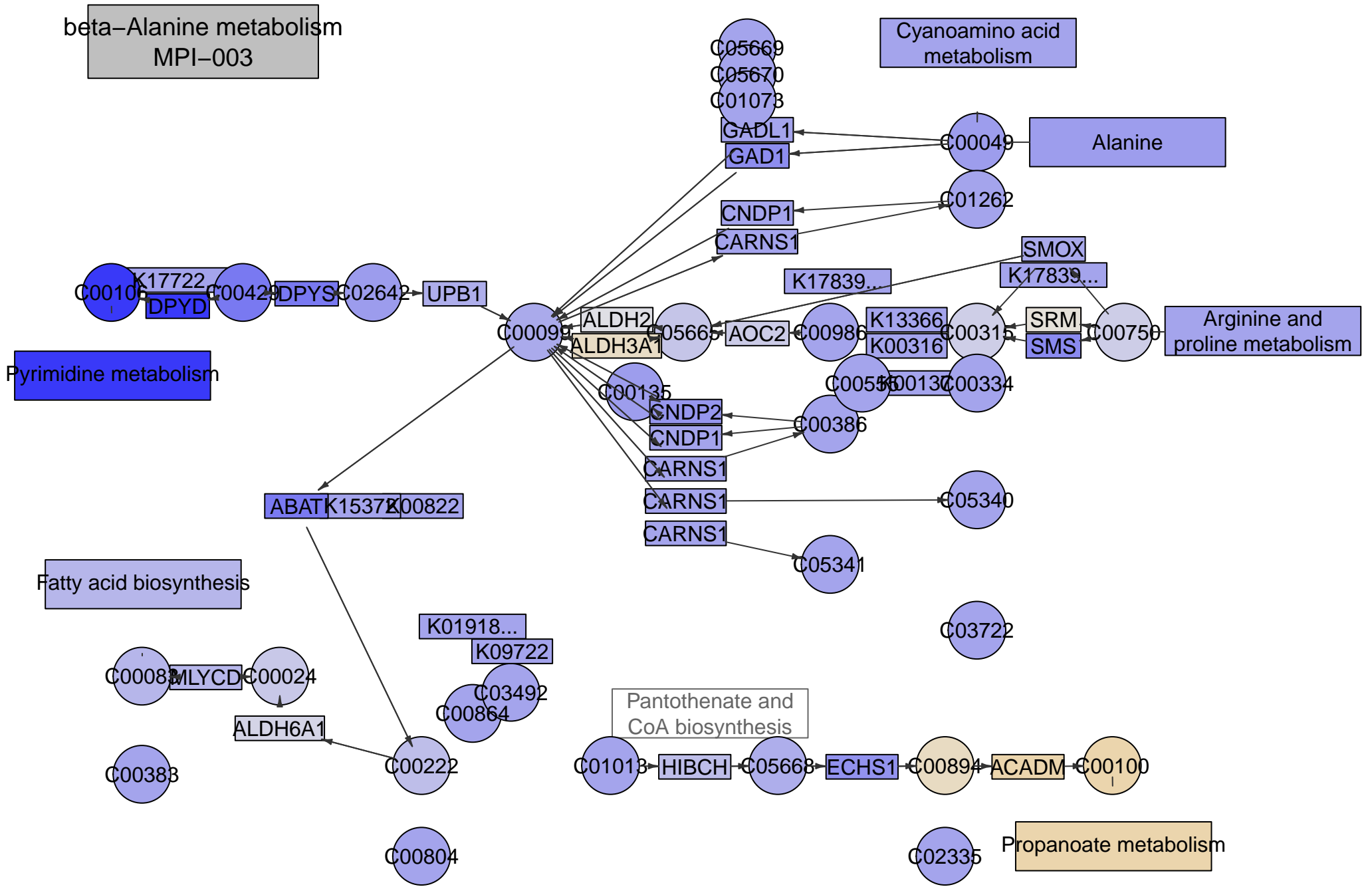


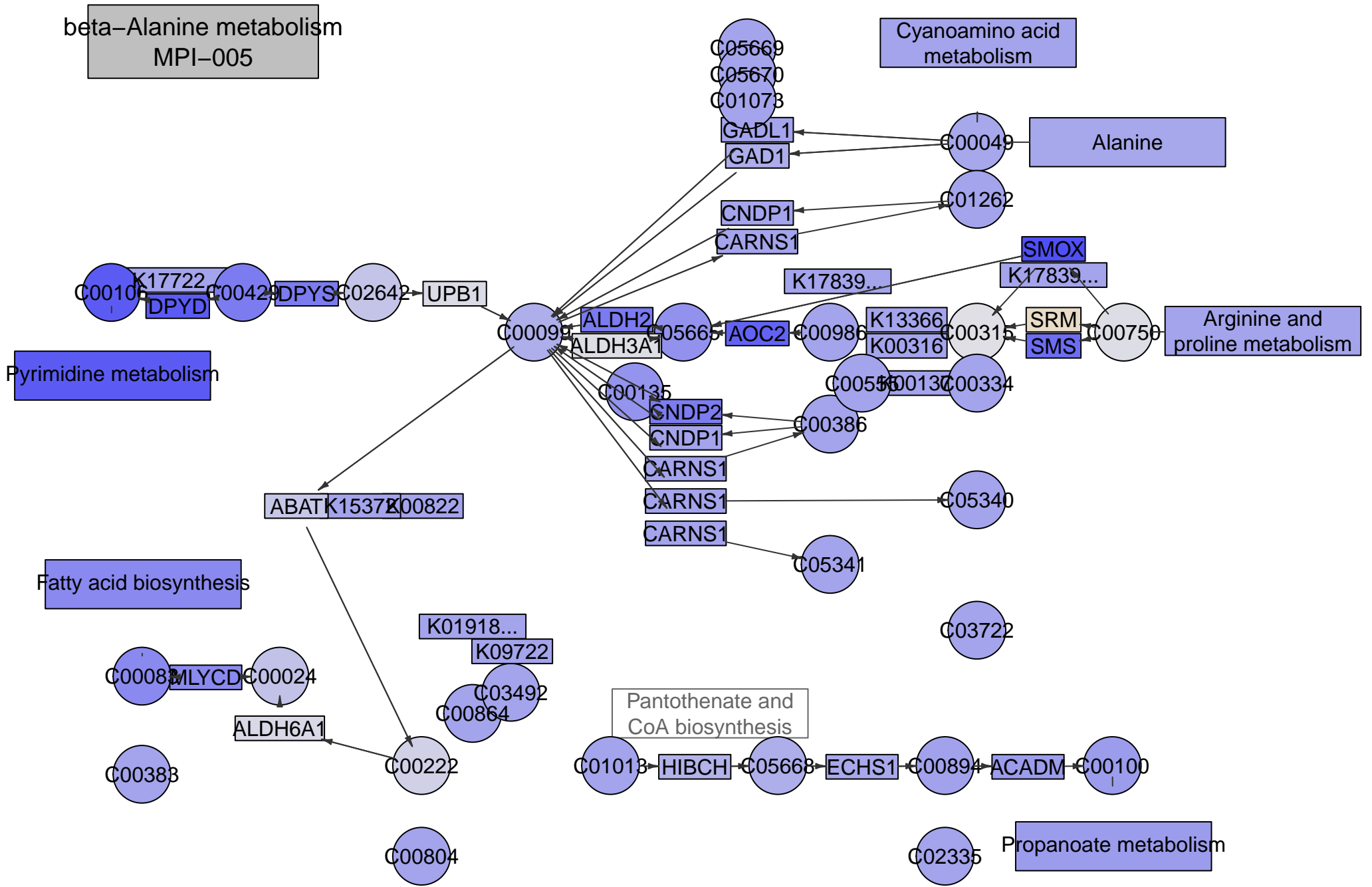


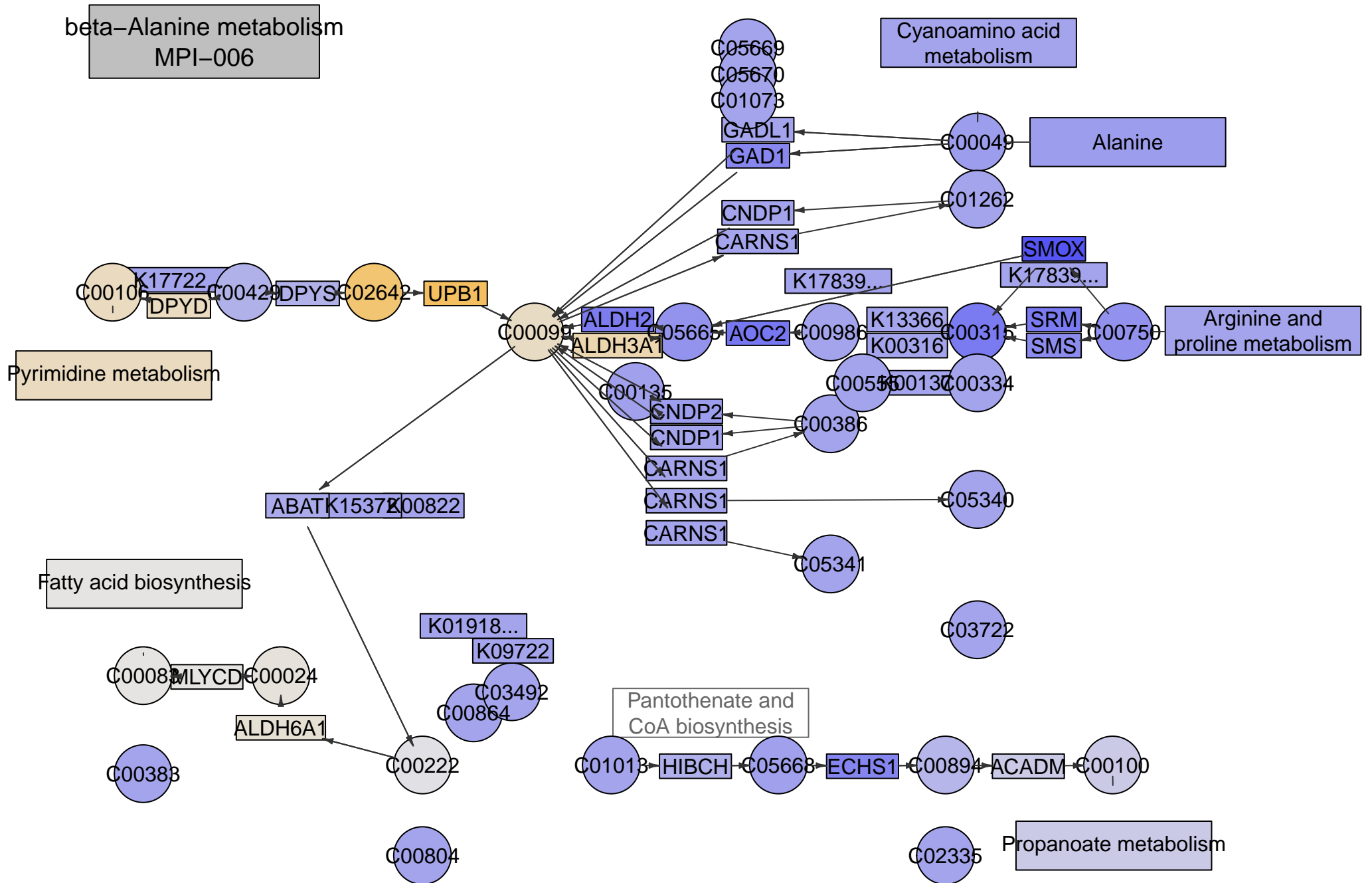


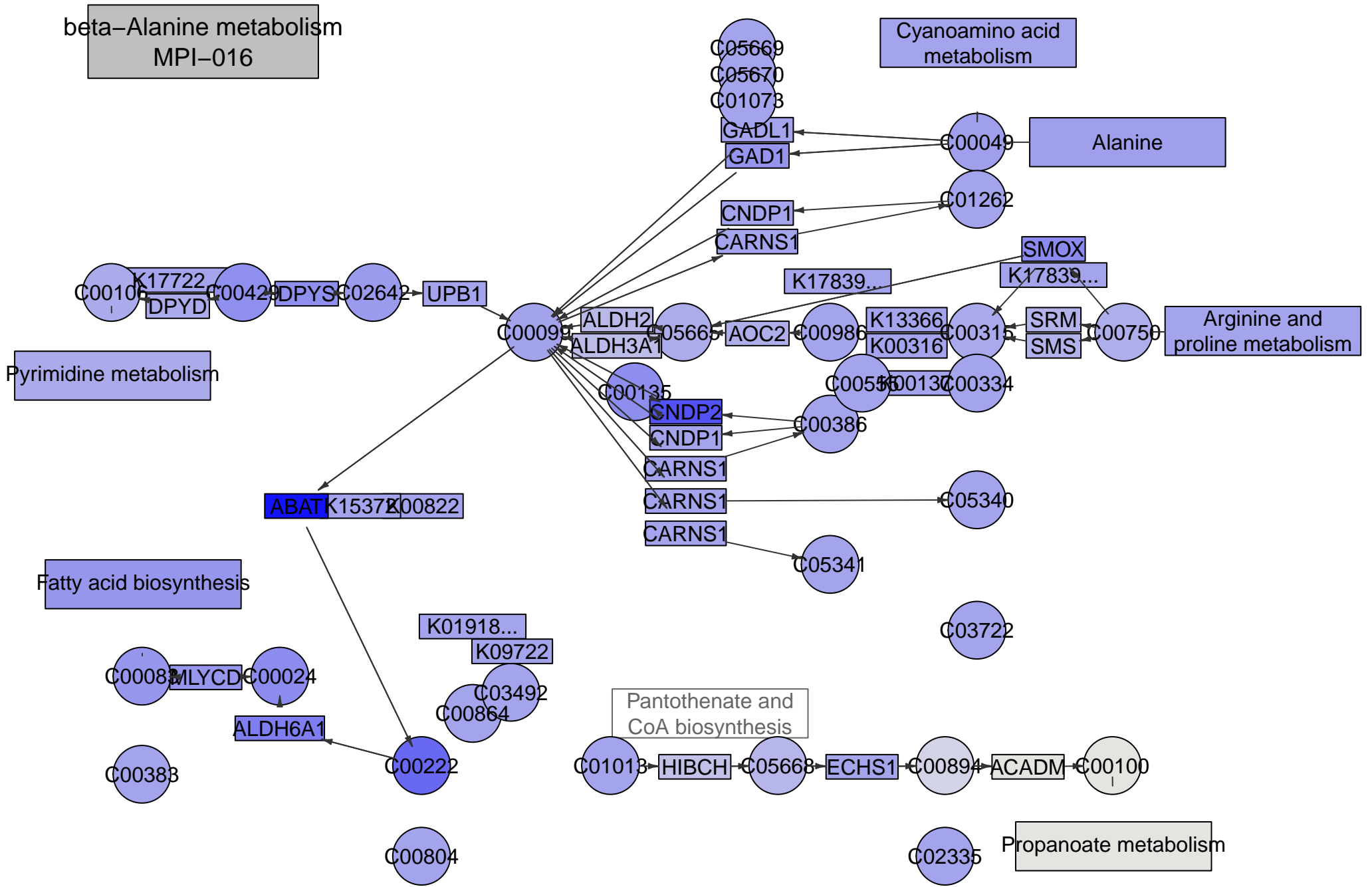


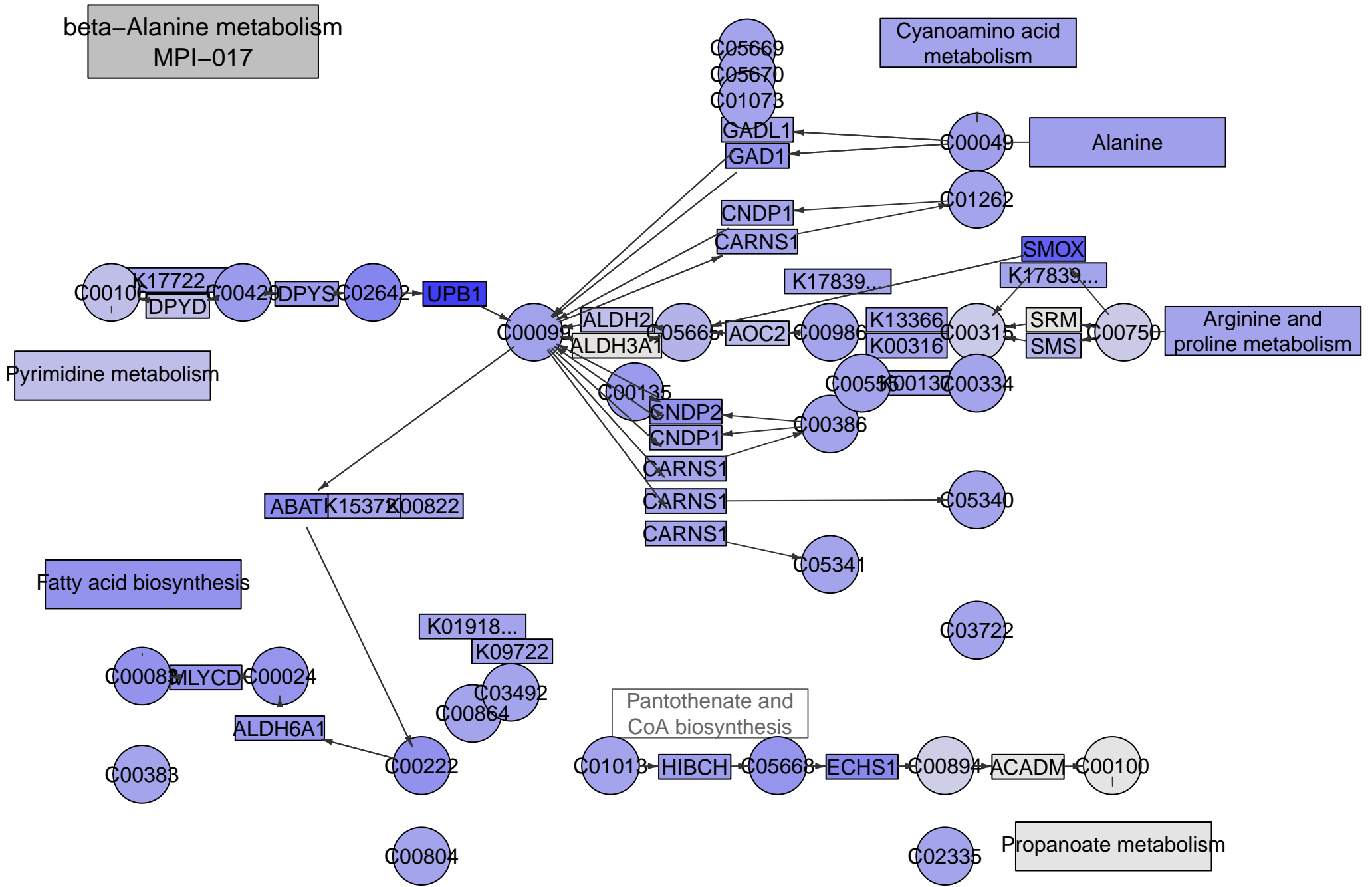


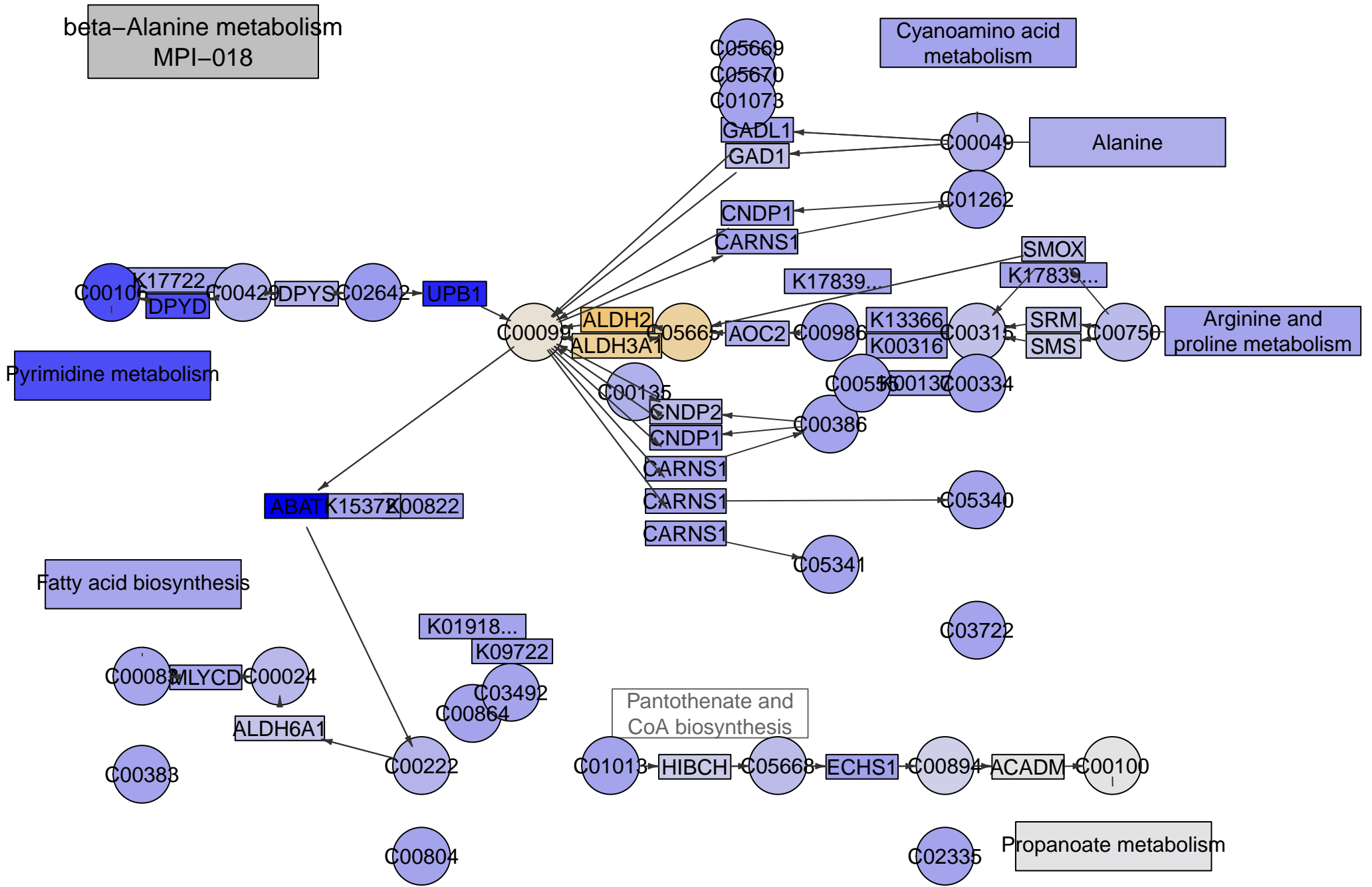


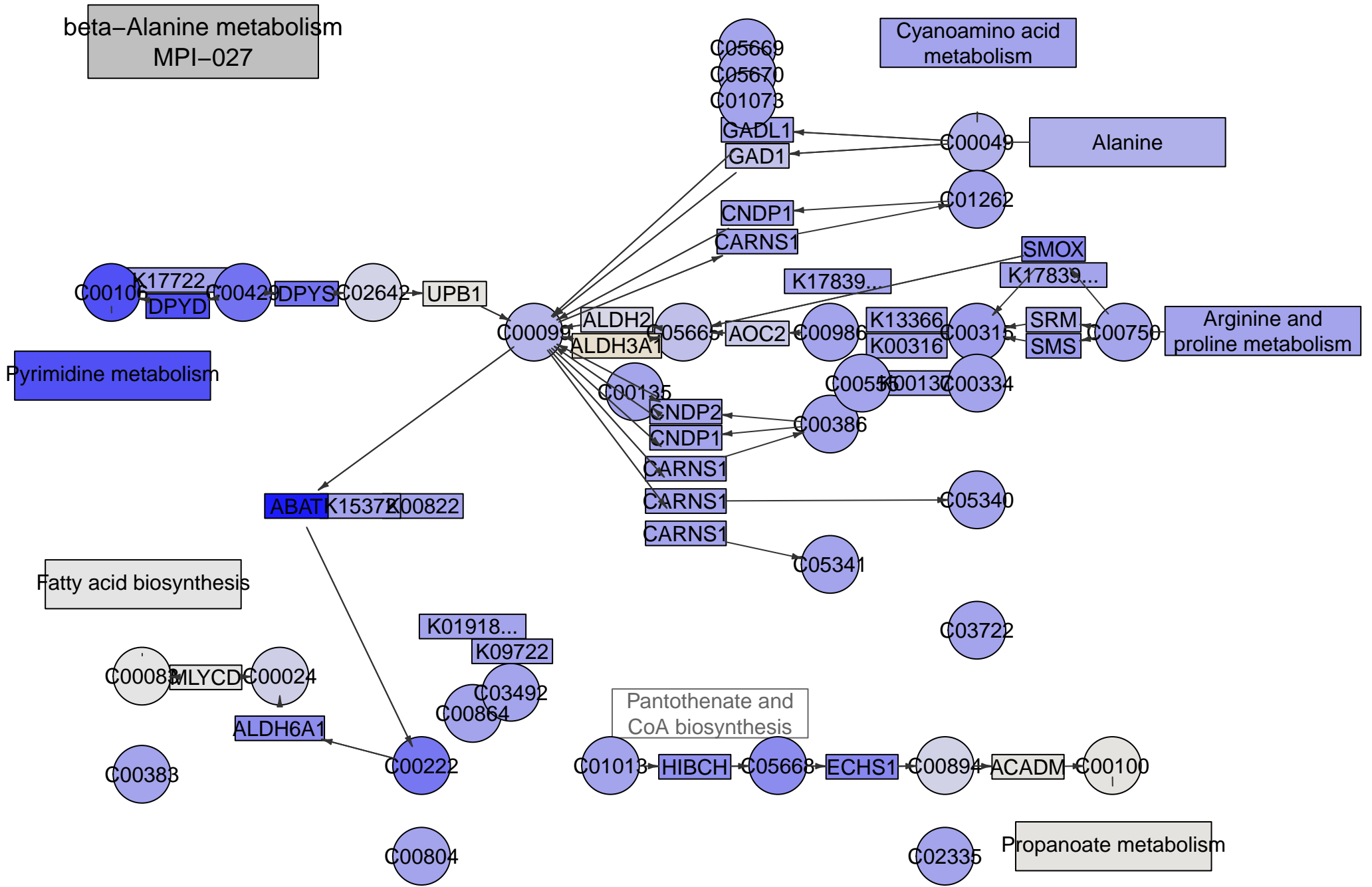


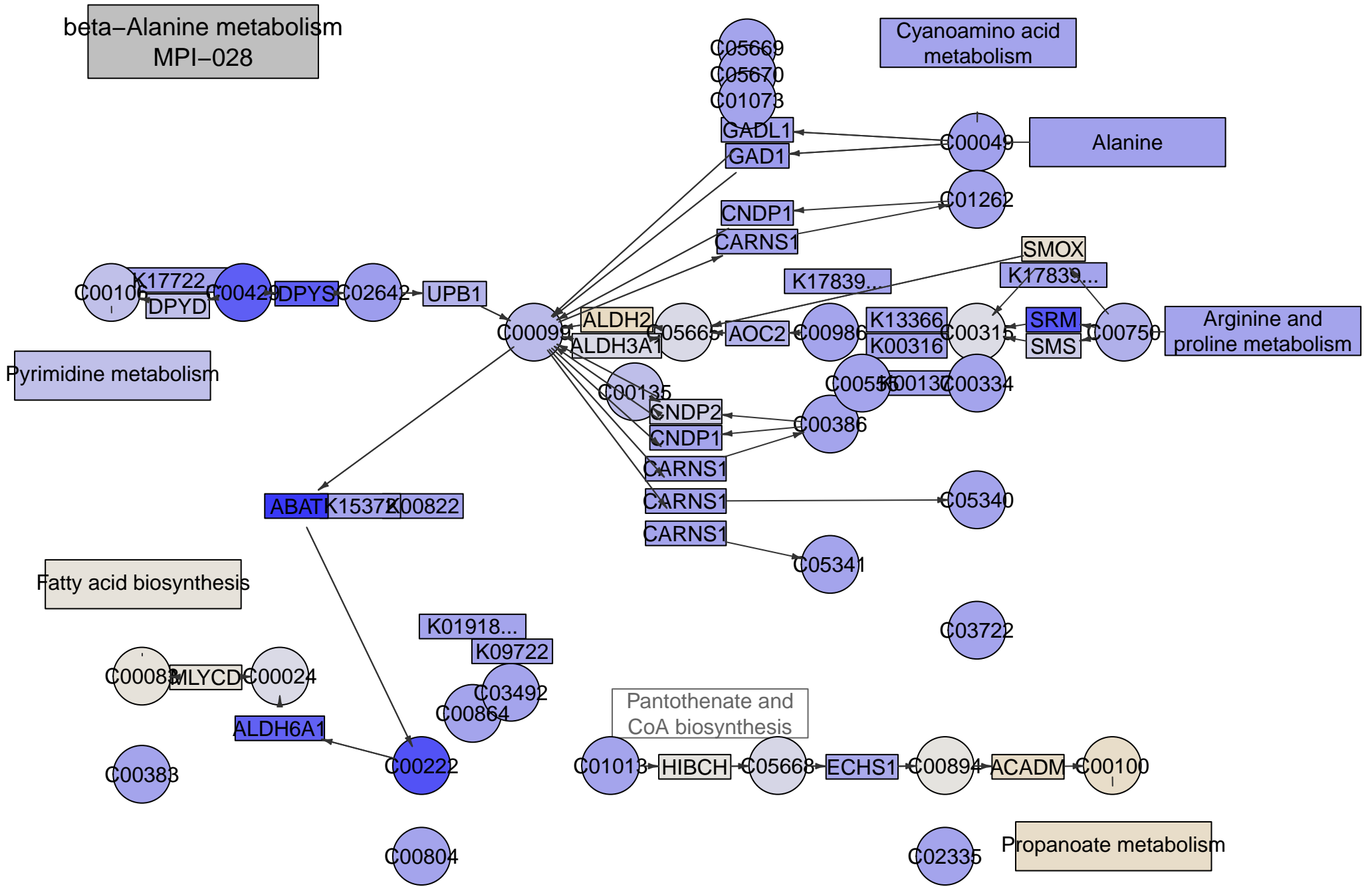


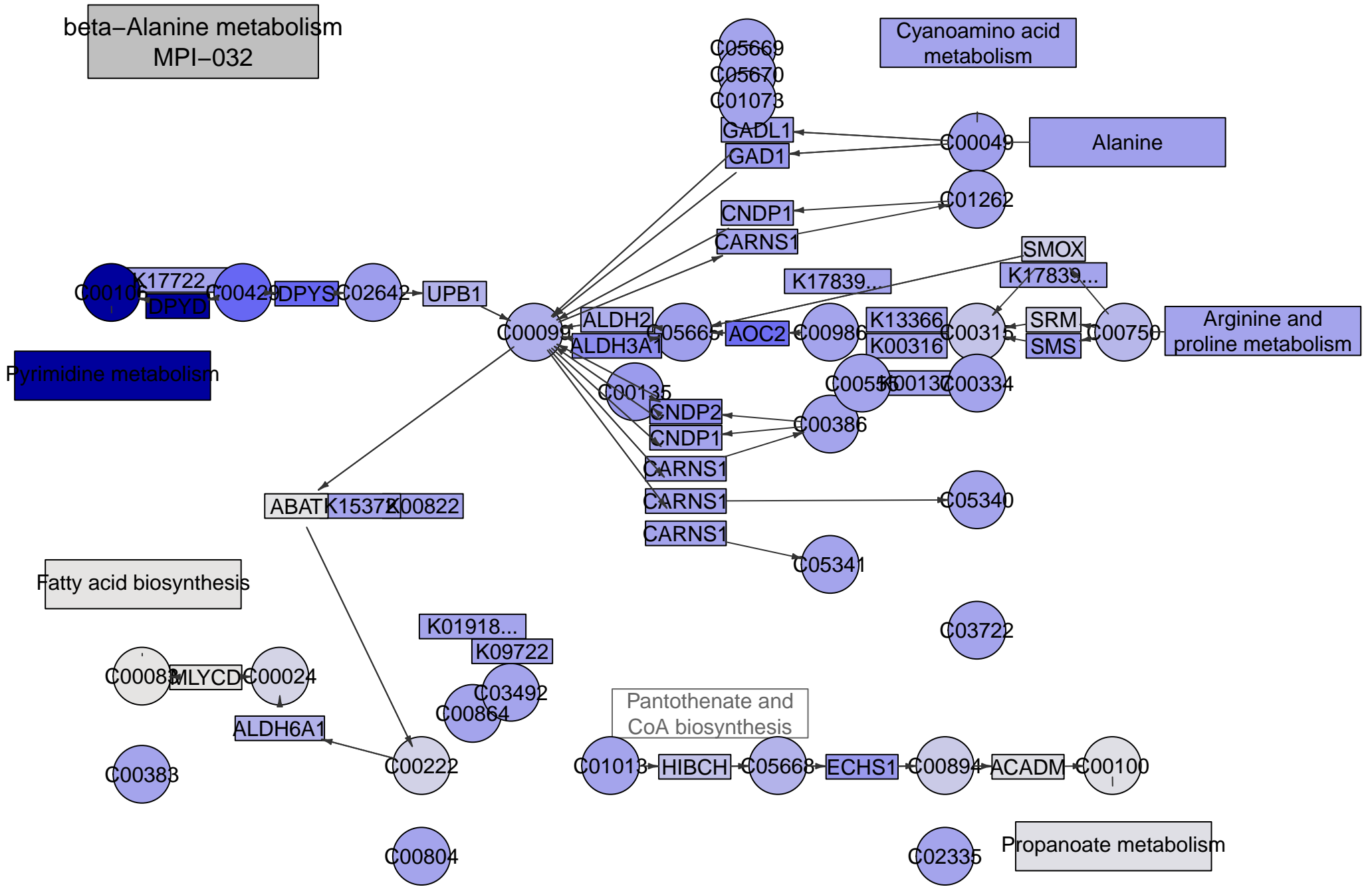


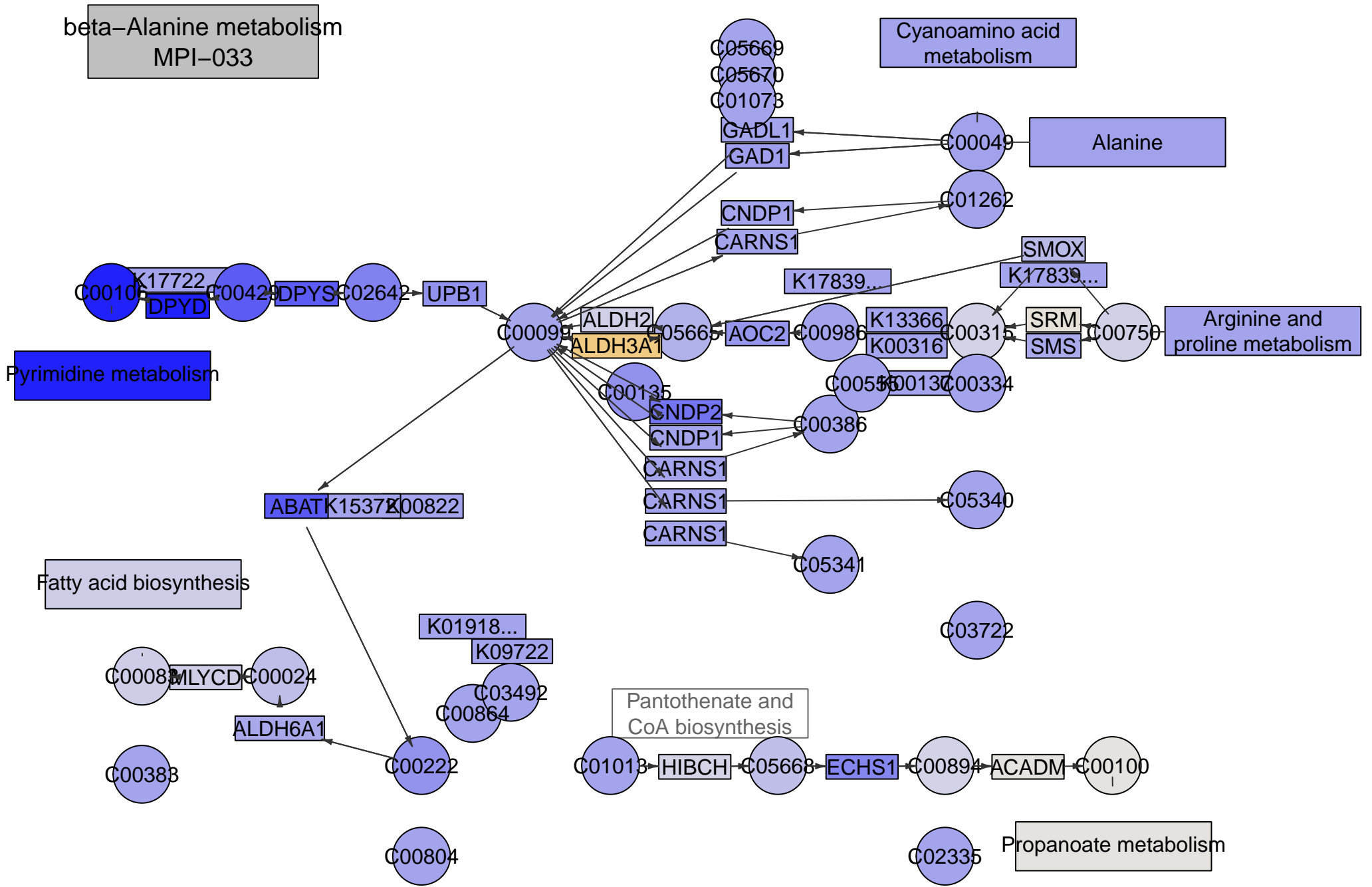


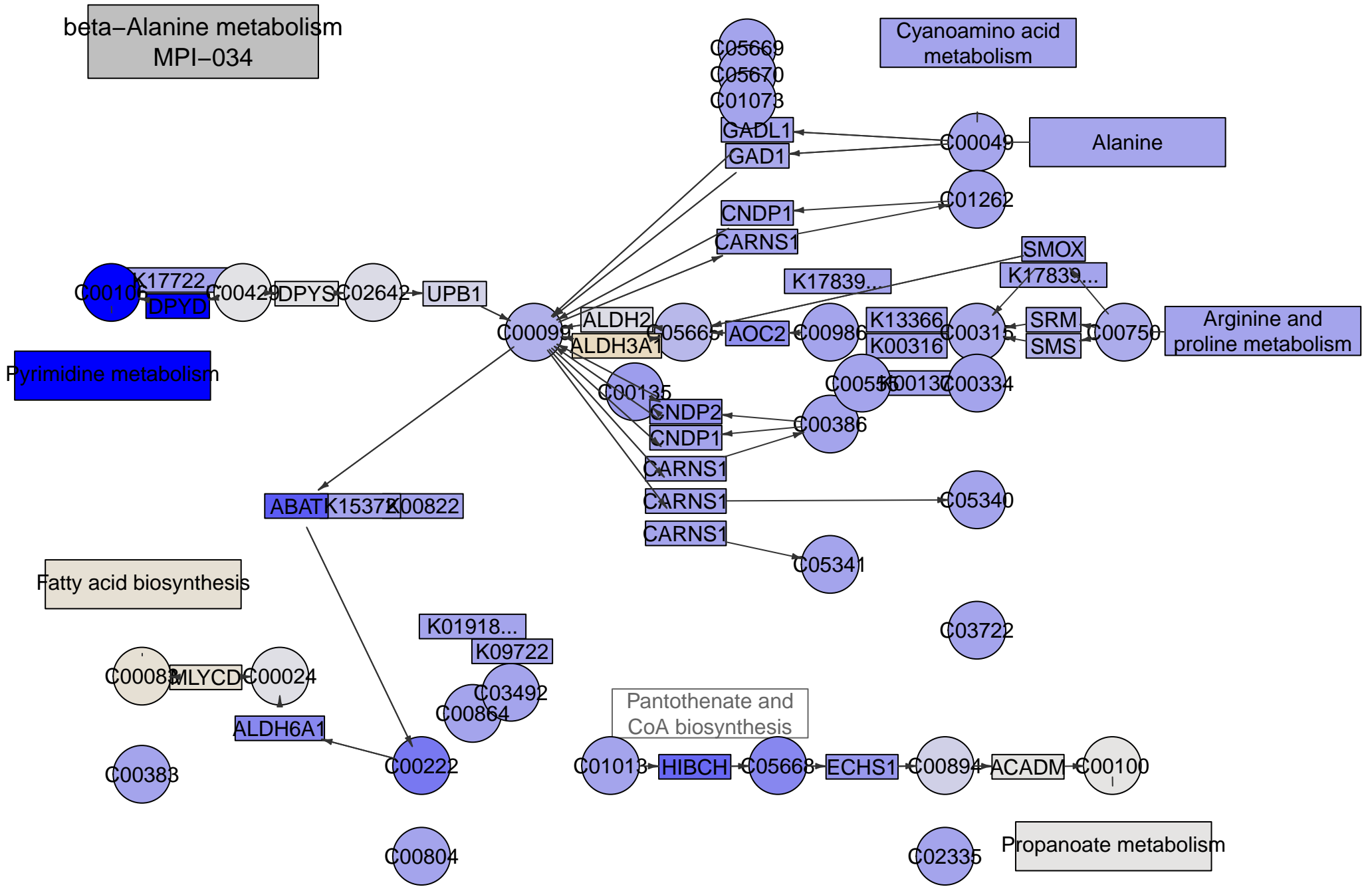












beta-Alanine metabolism
MPI-043

Cyanoamino acid
metabolism

Alanine

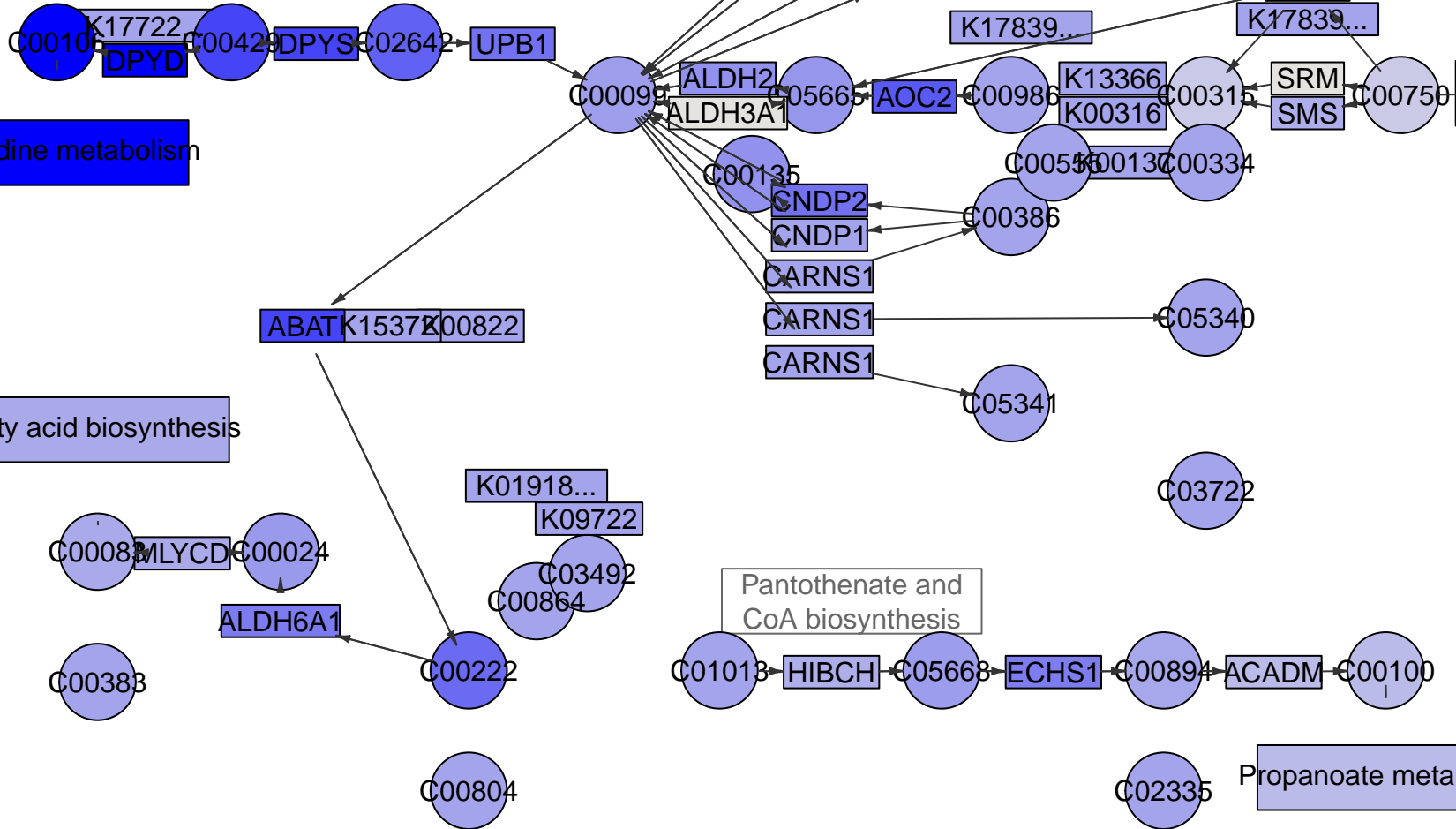
Arginine and
proline metabolism

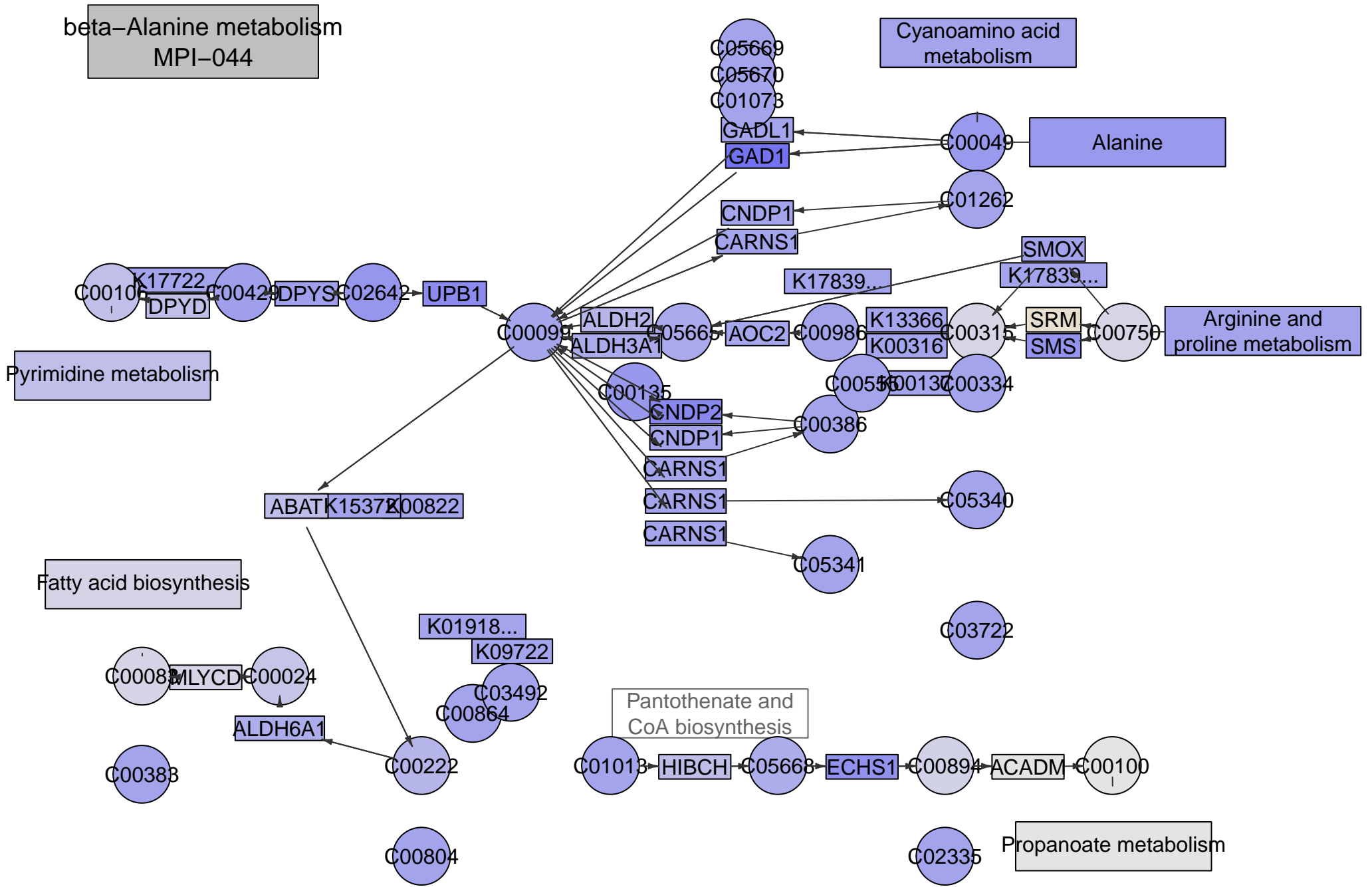
Pyrimidine metabolism

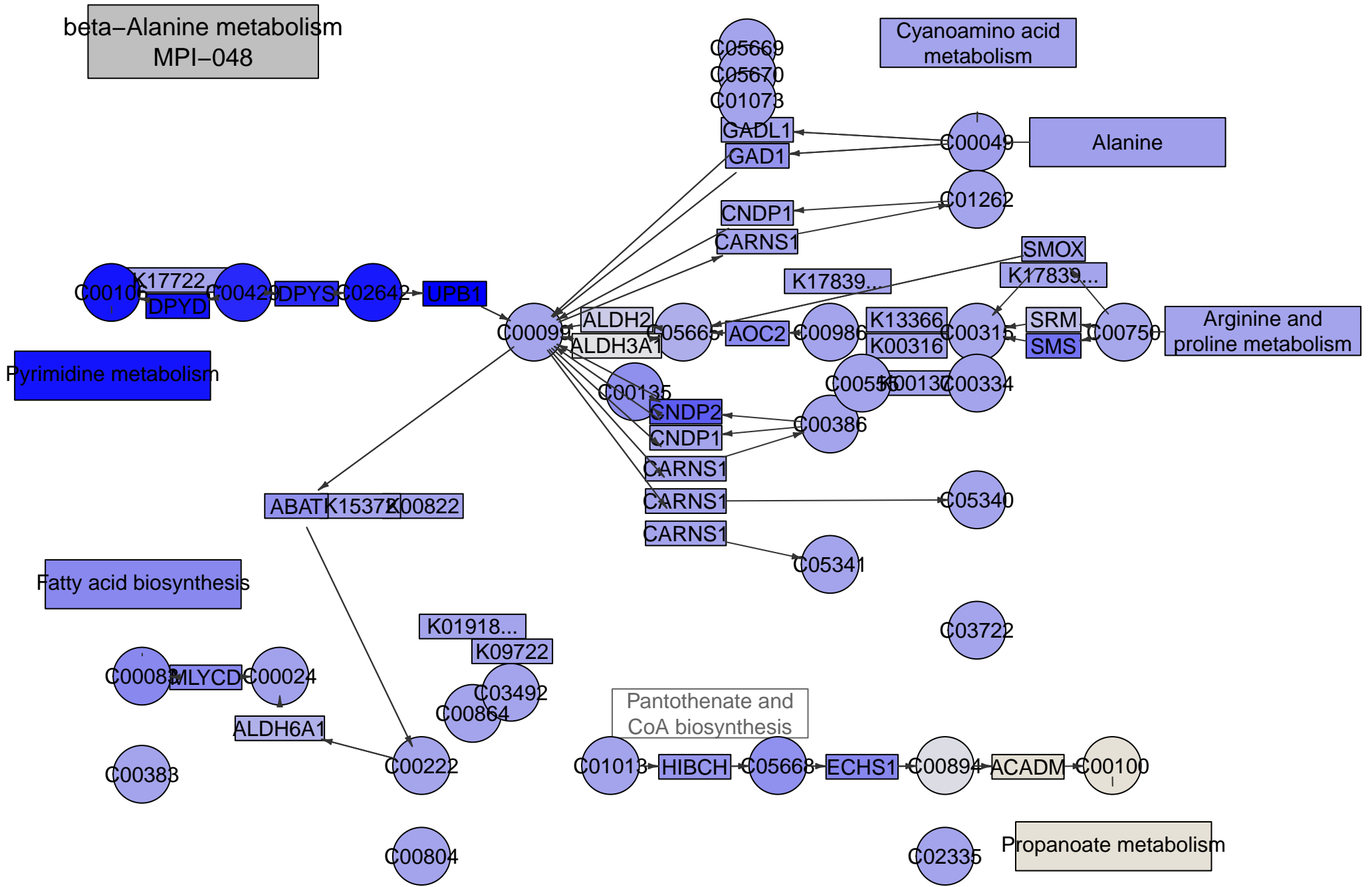
Fatty acid biosynthesis

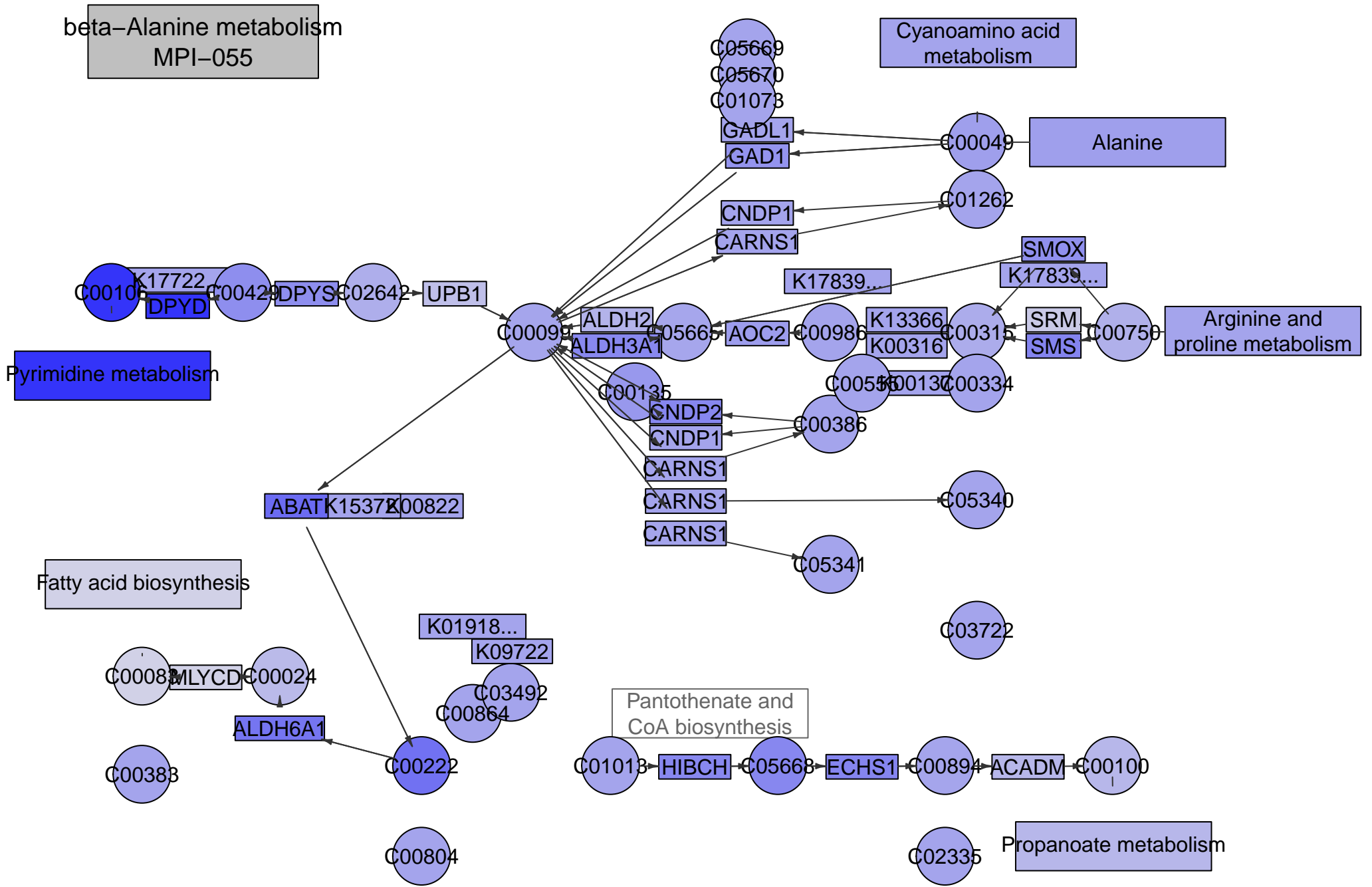
Pantothenate and
CoA biosynthesis

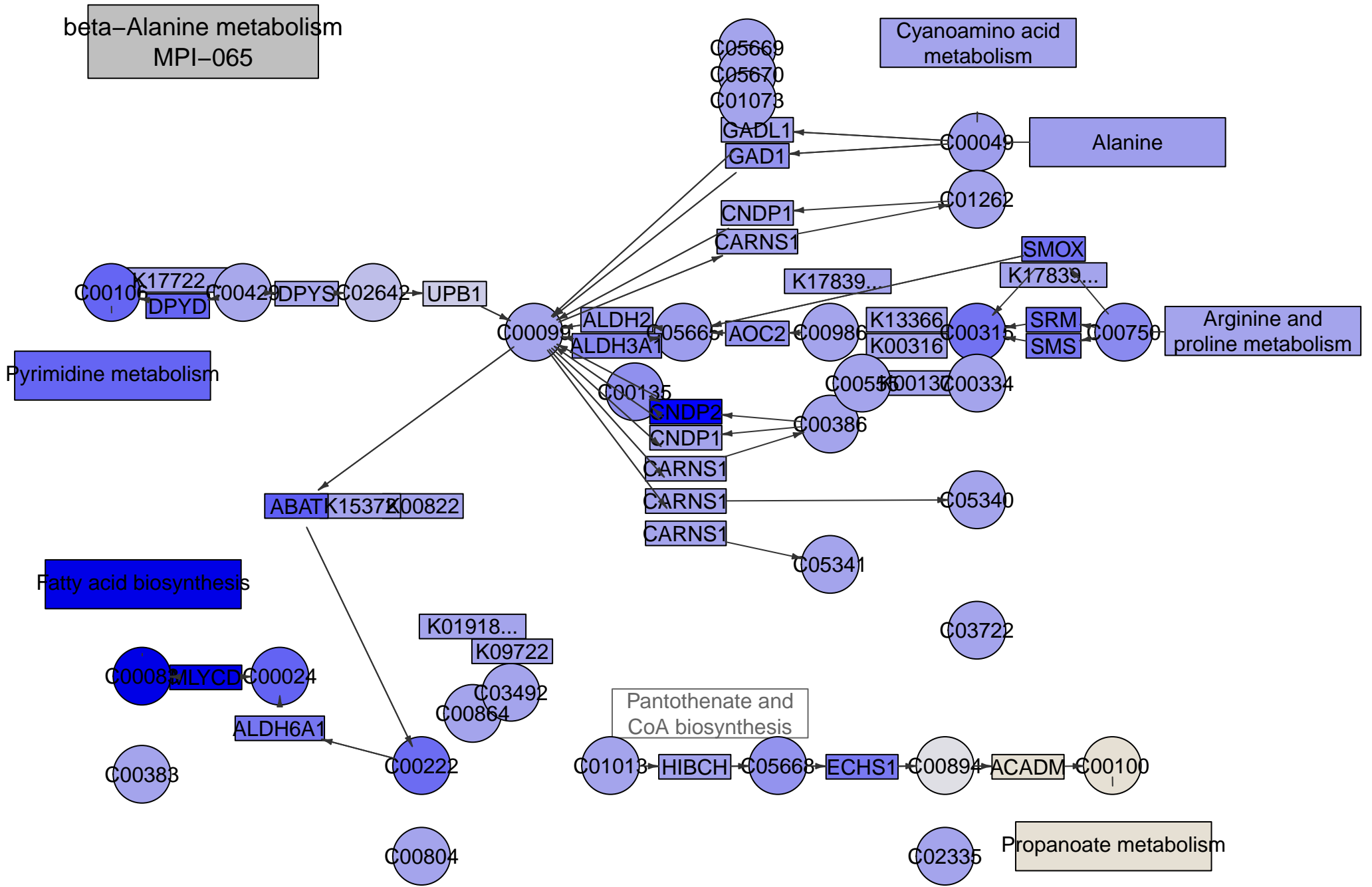
Propanoate metabolism

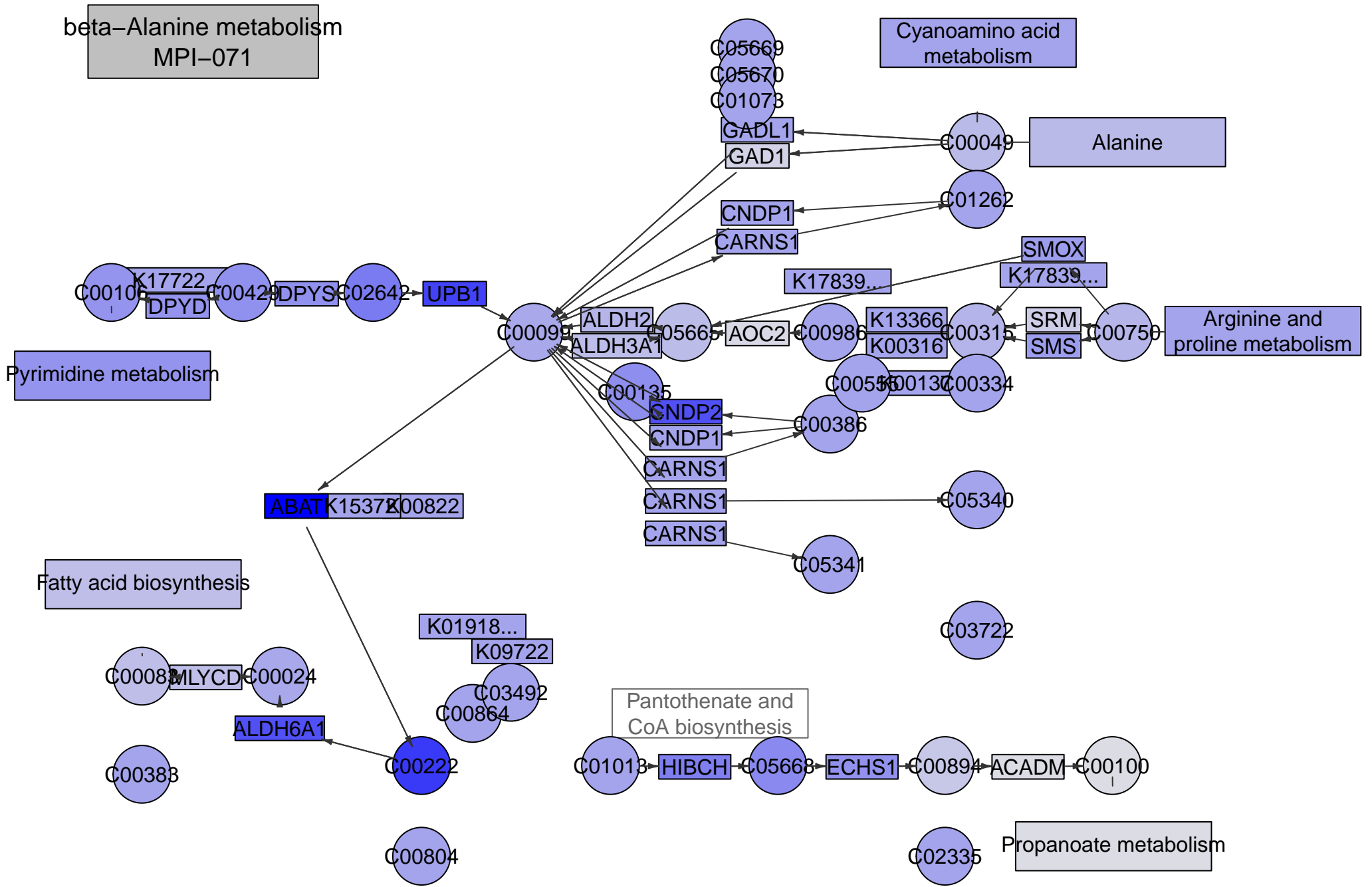


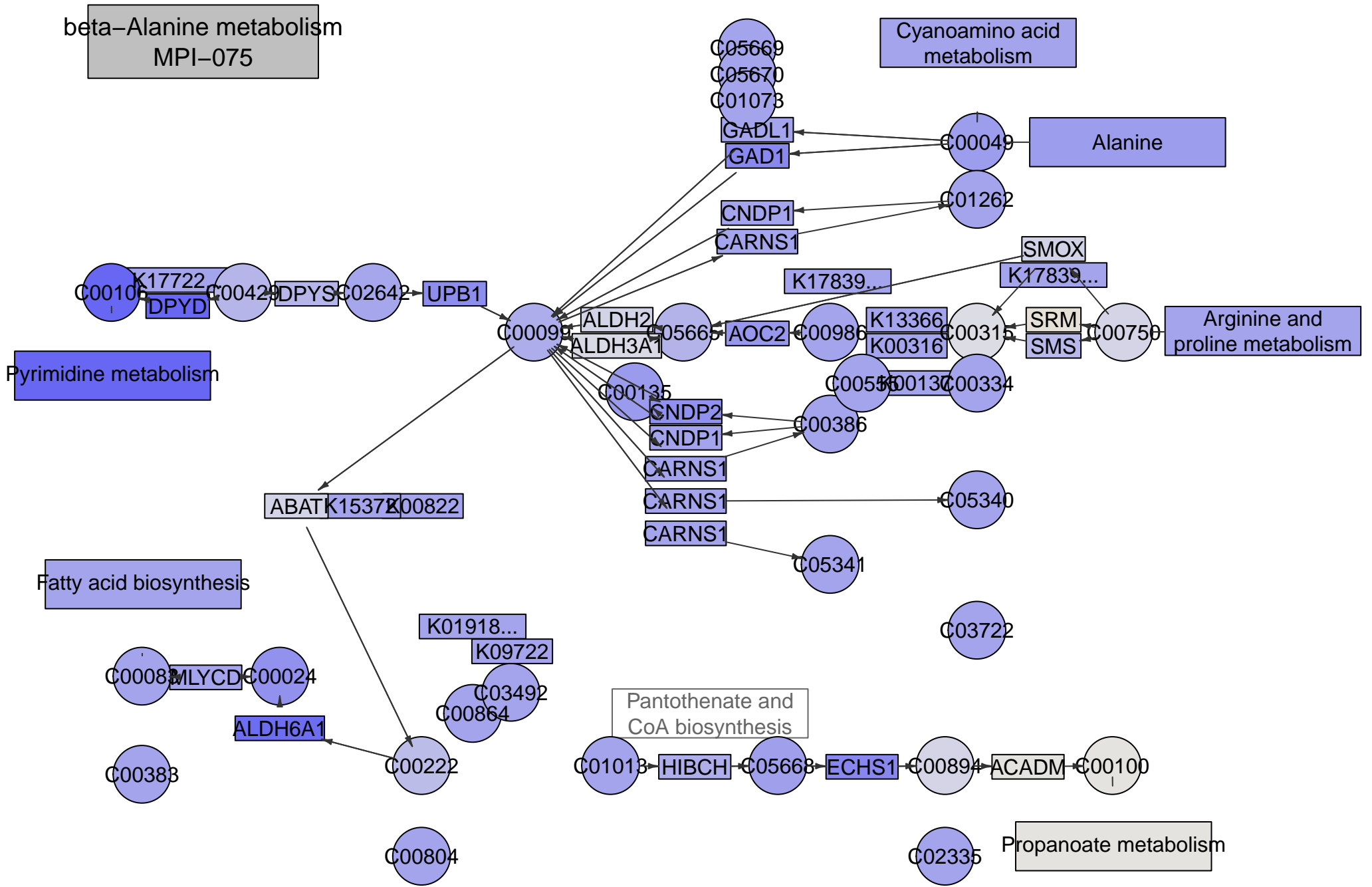


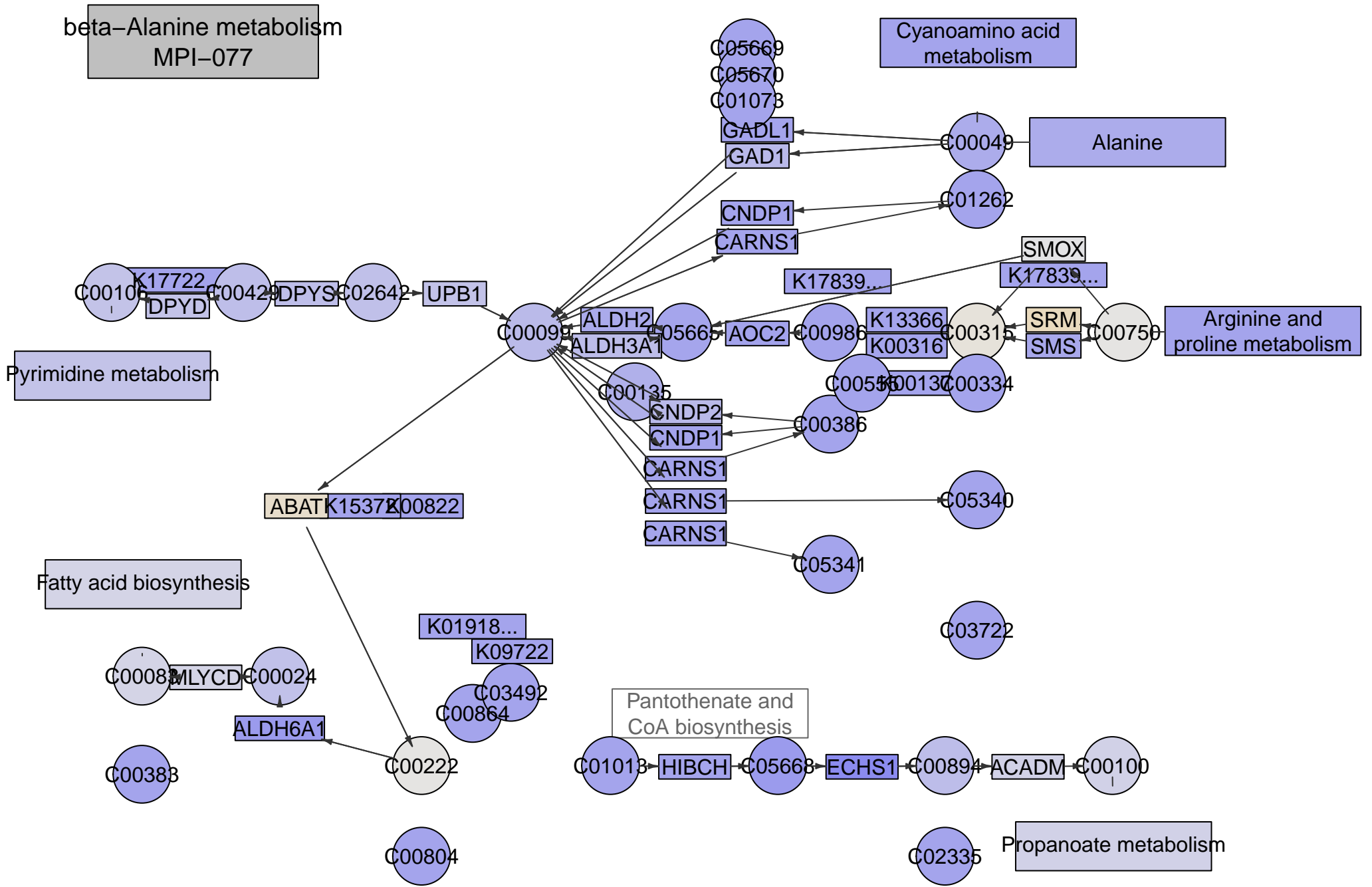


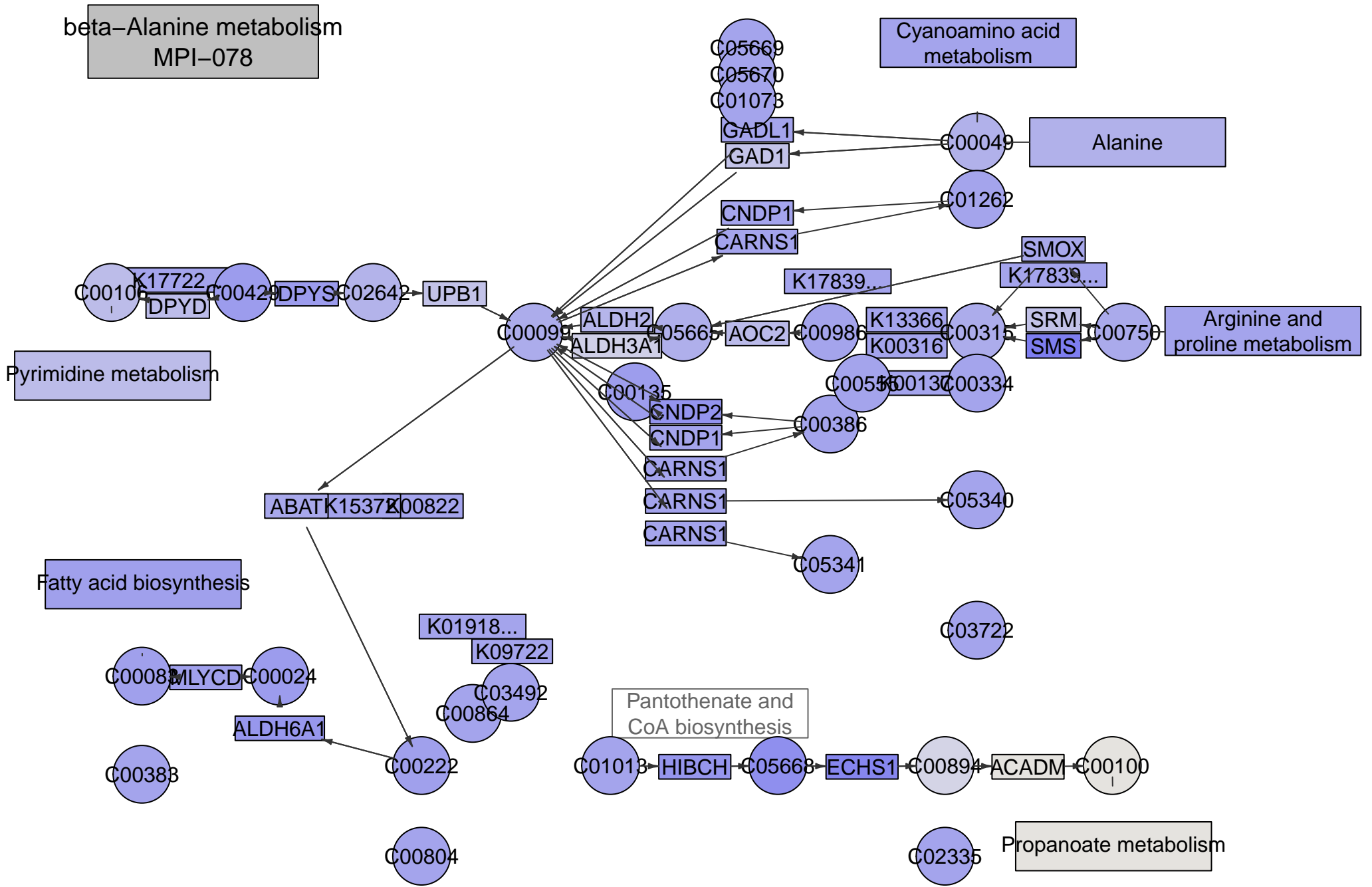


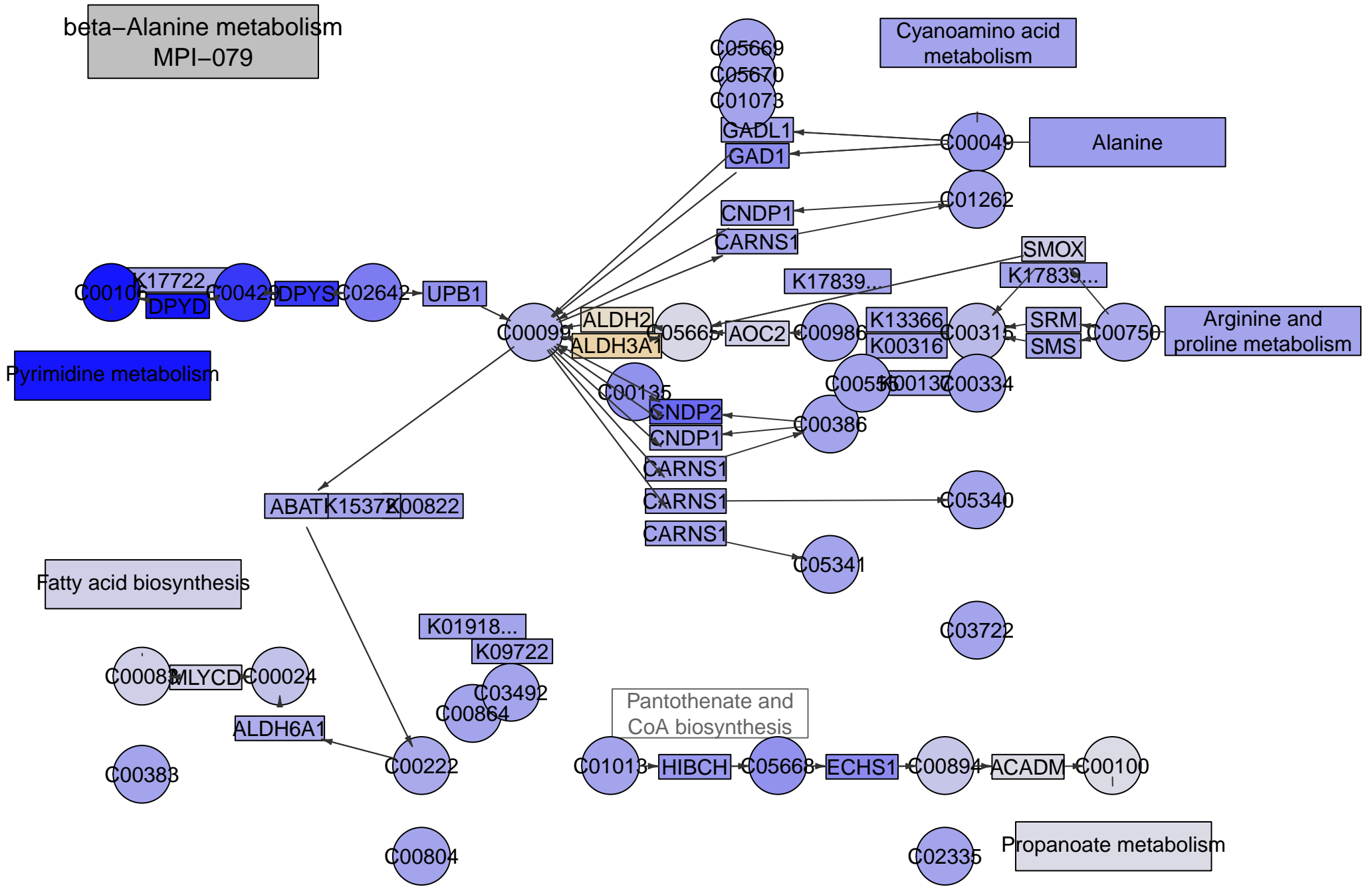


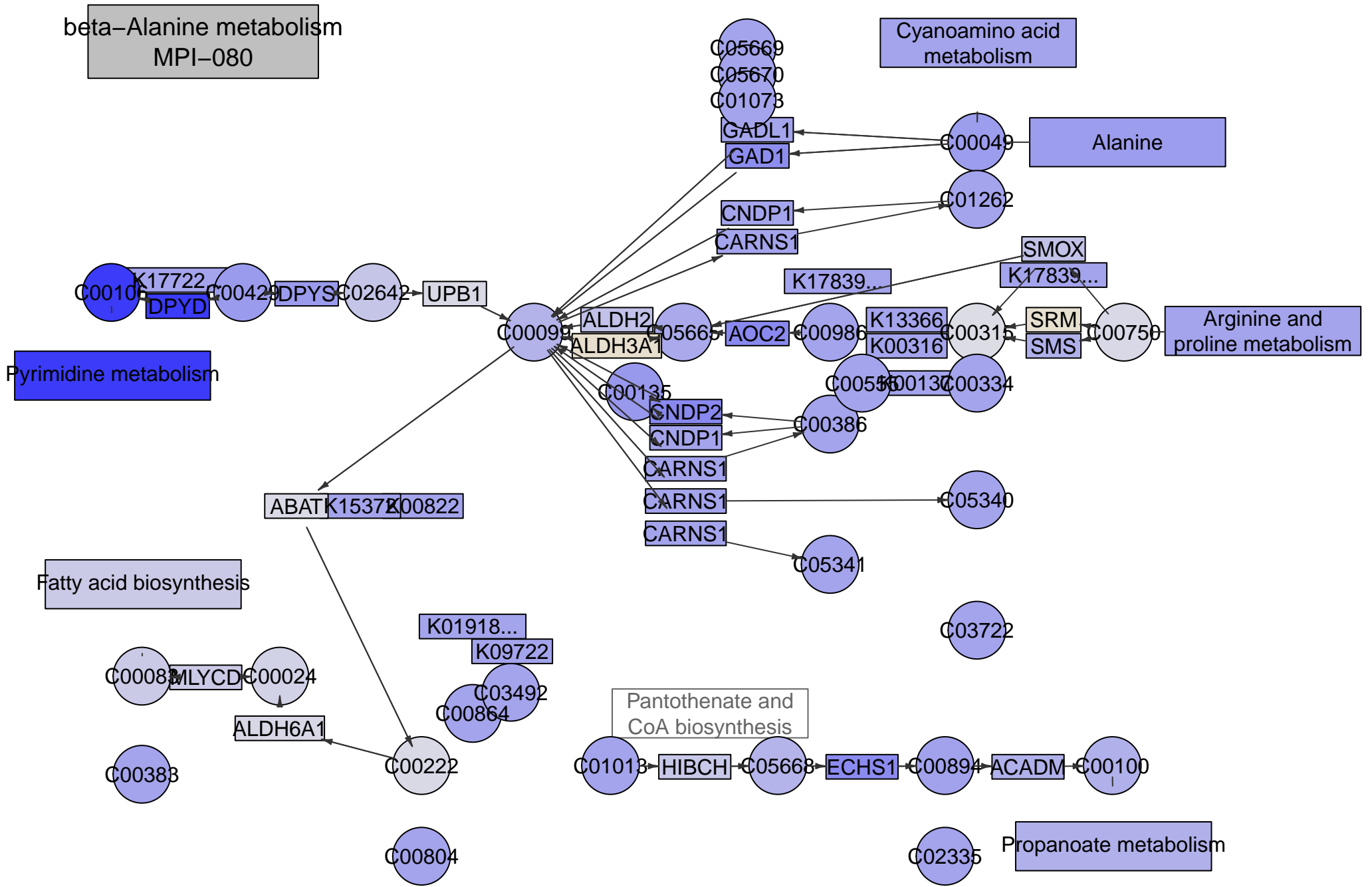


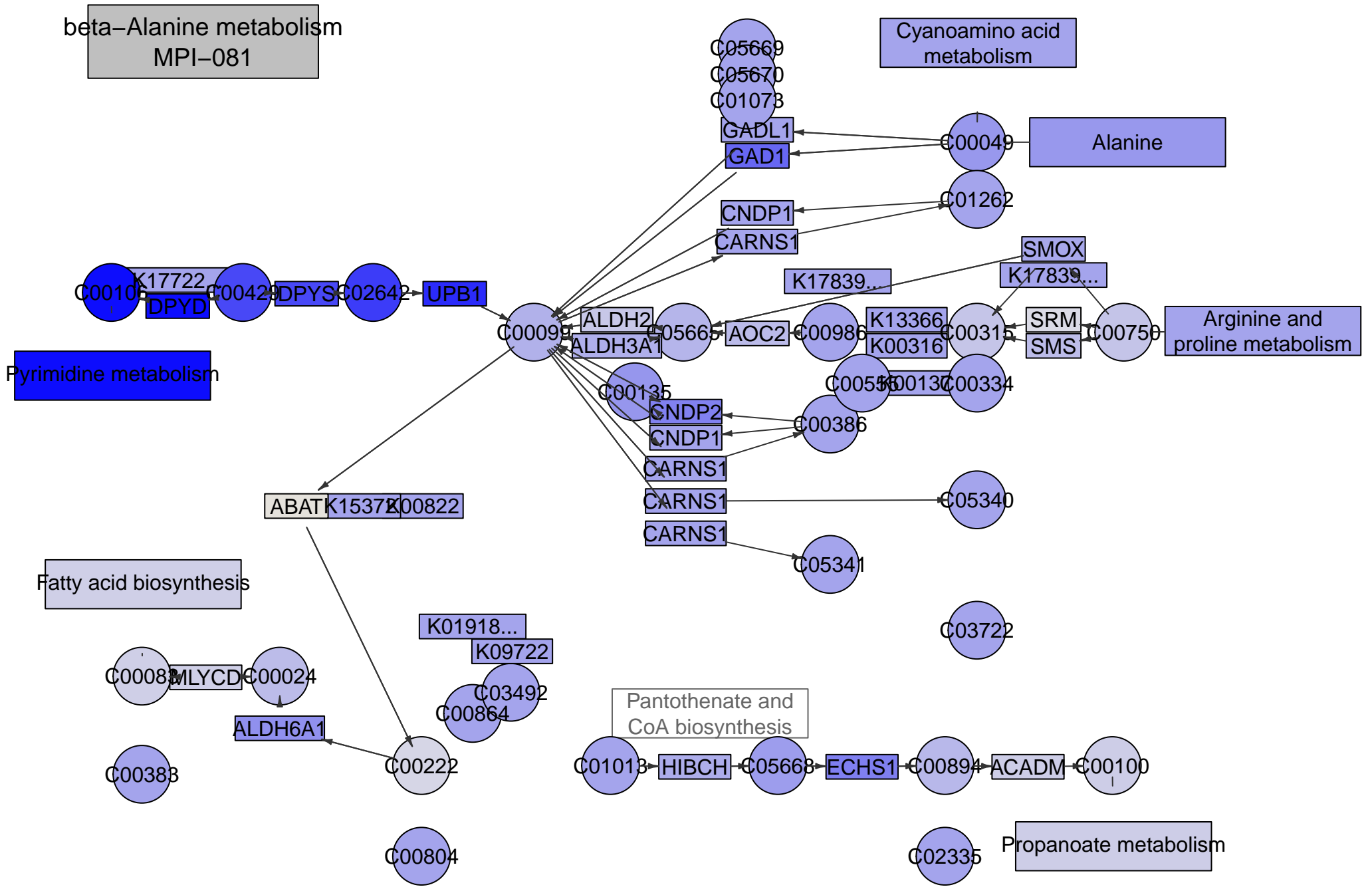


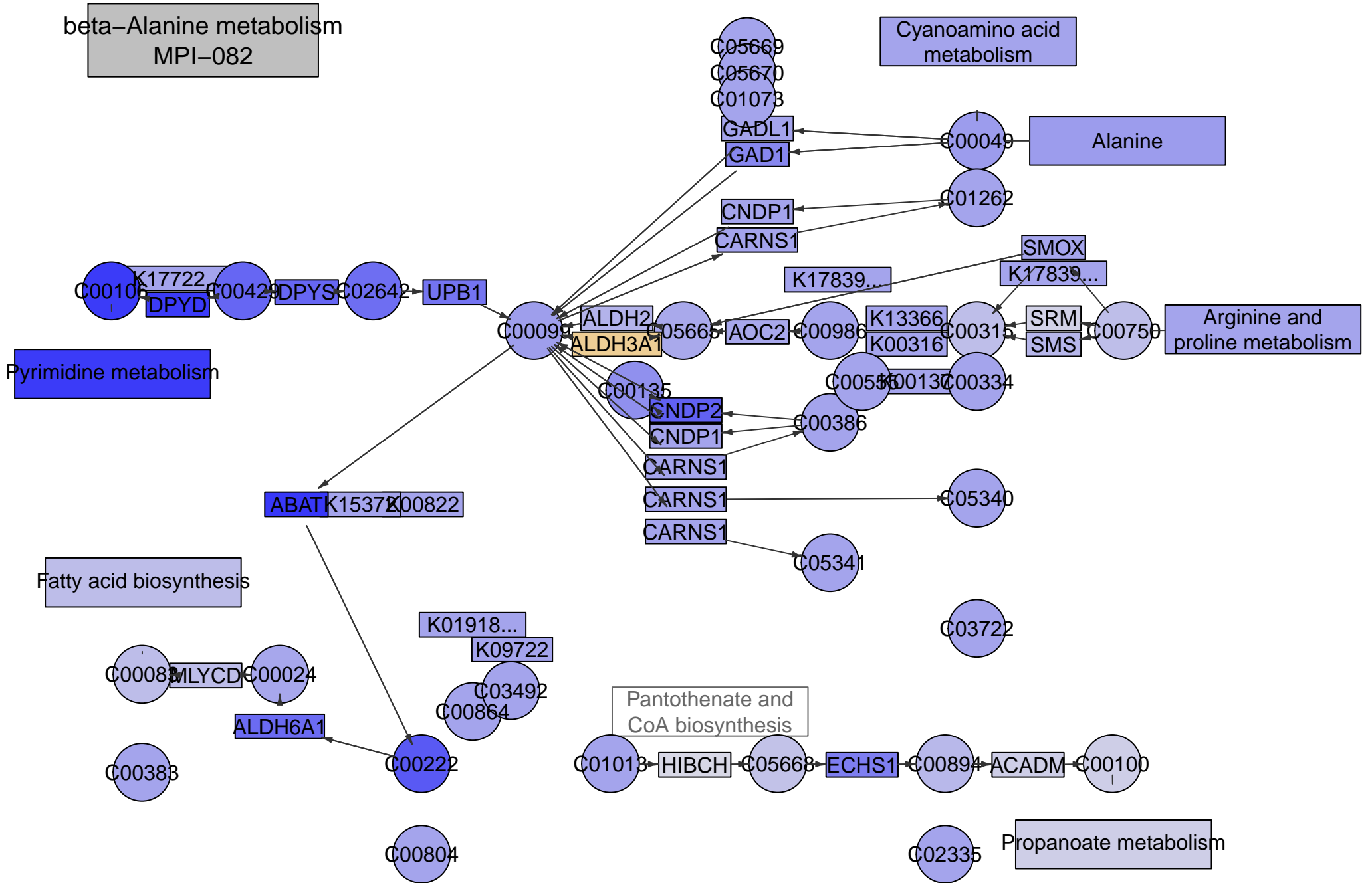


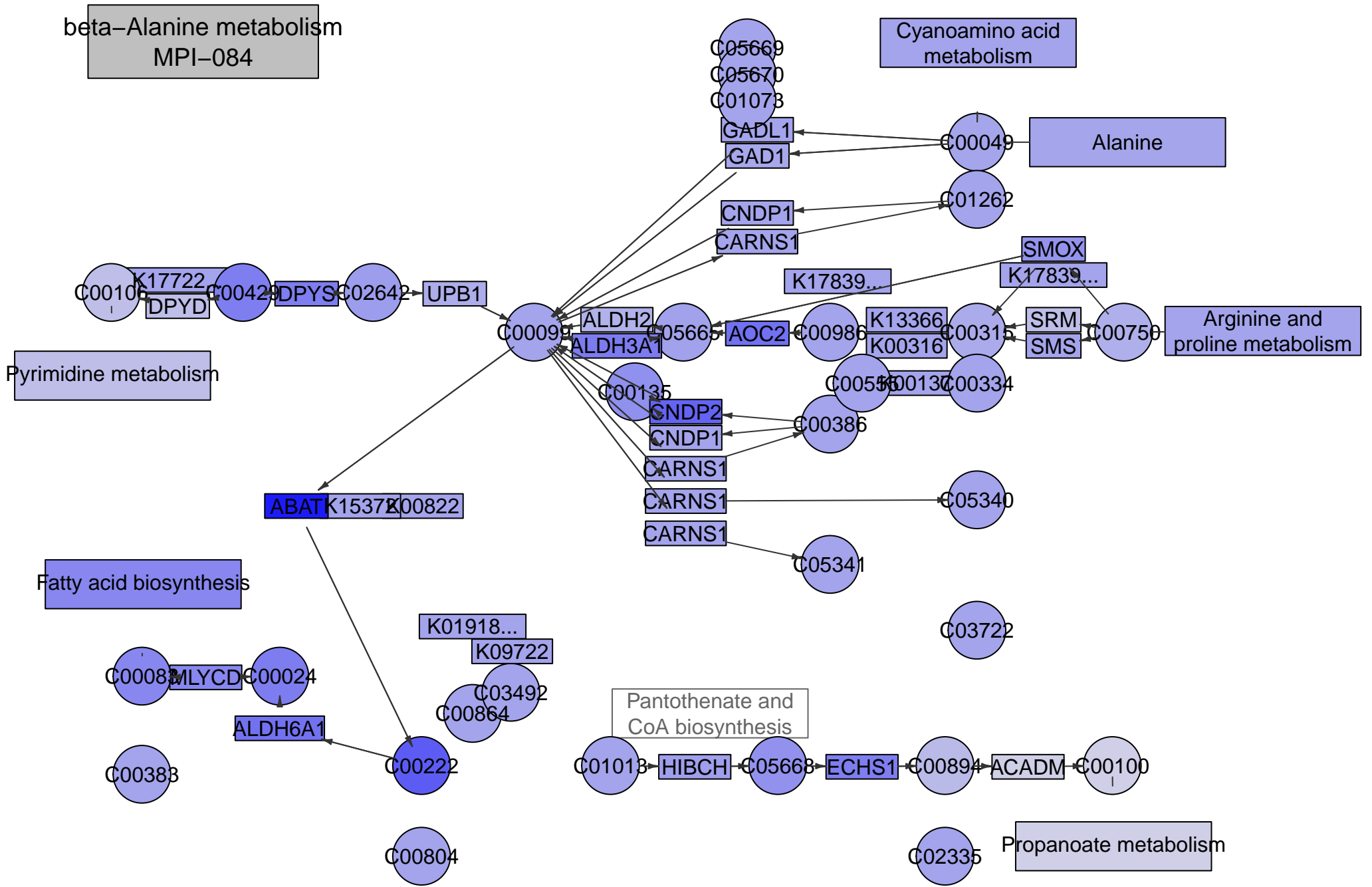


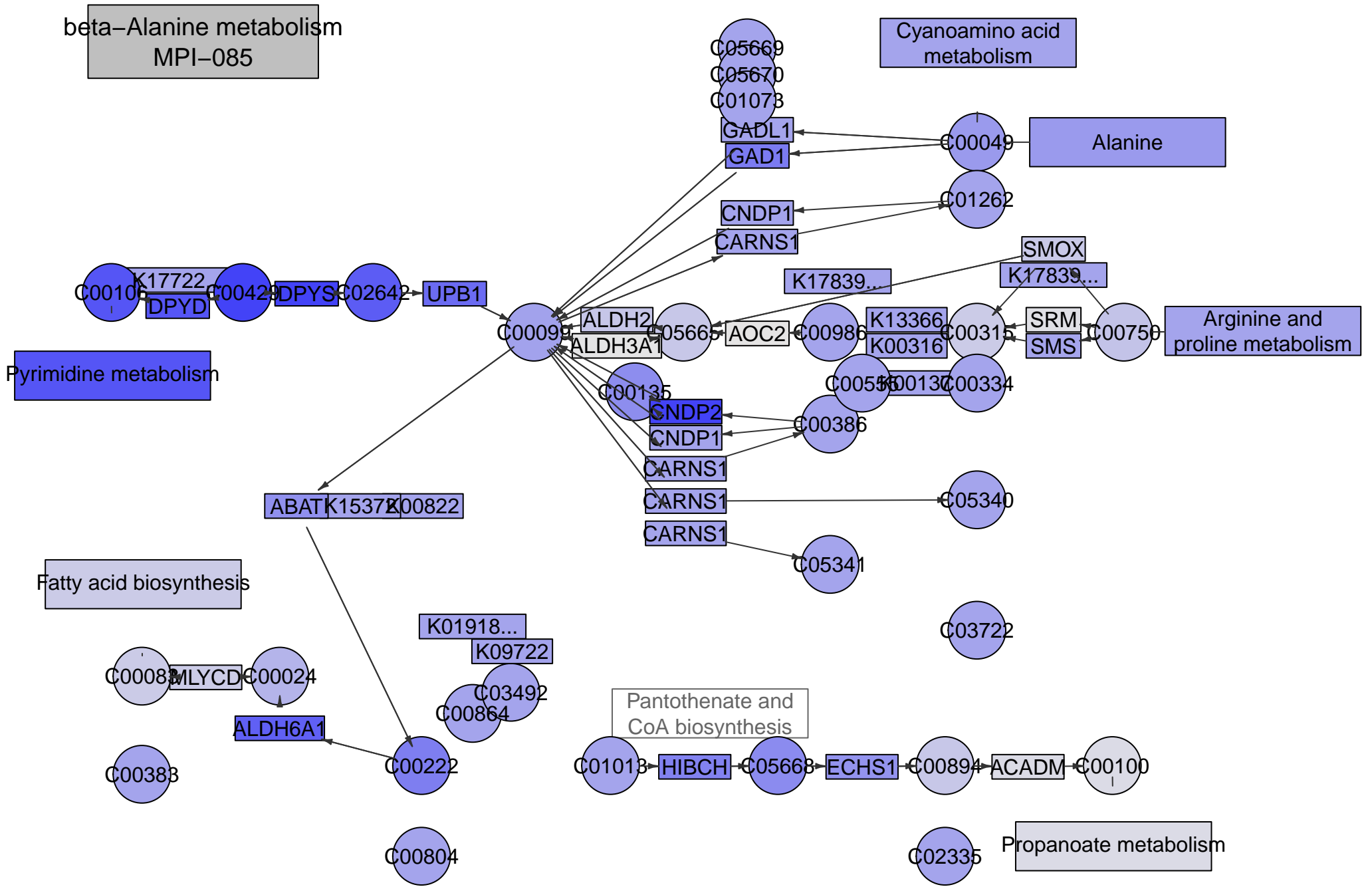


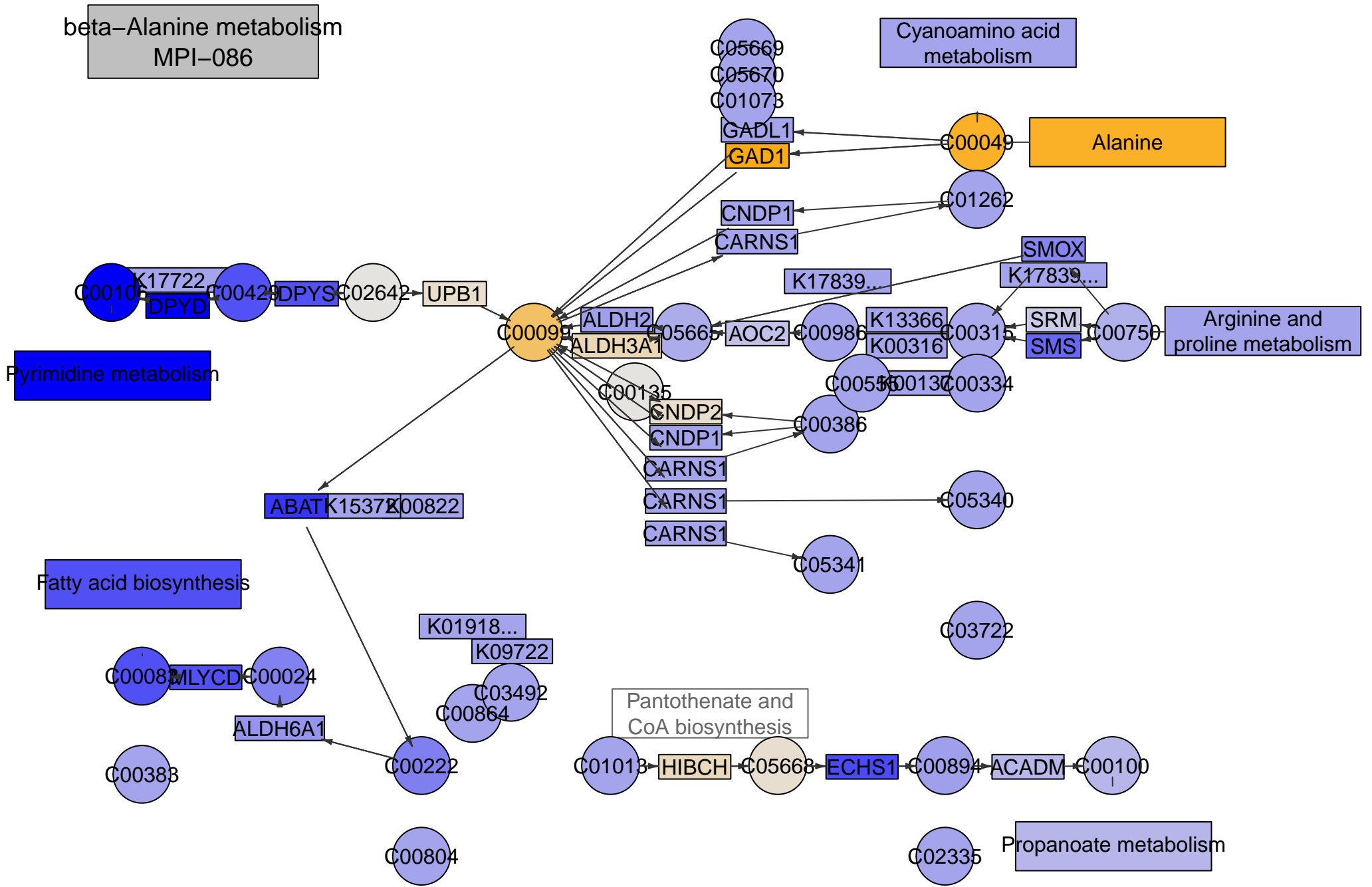


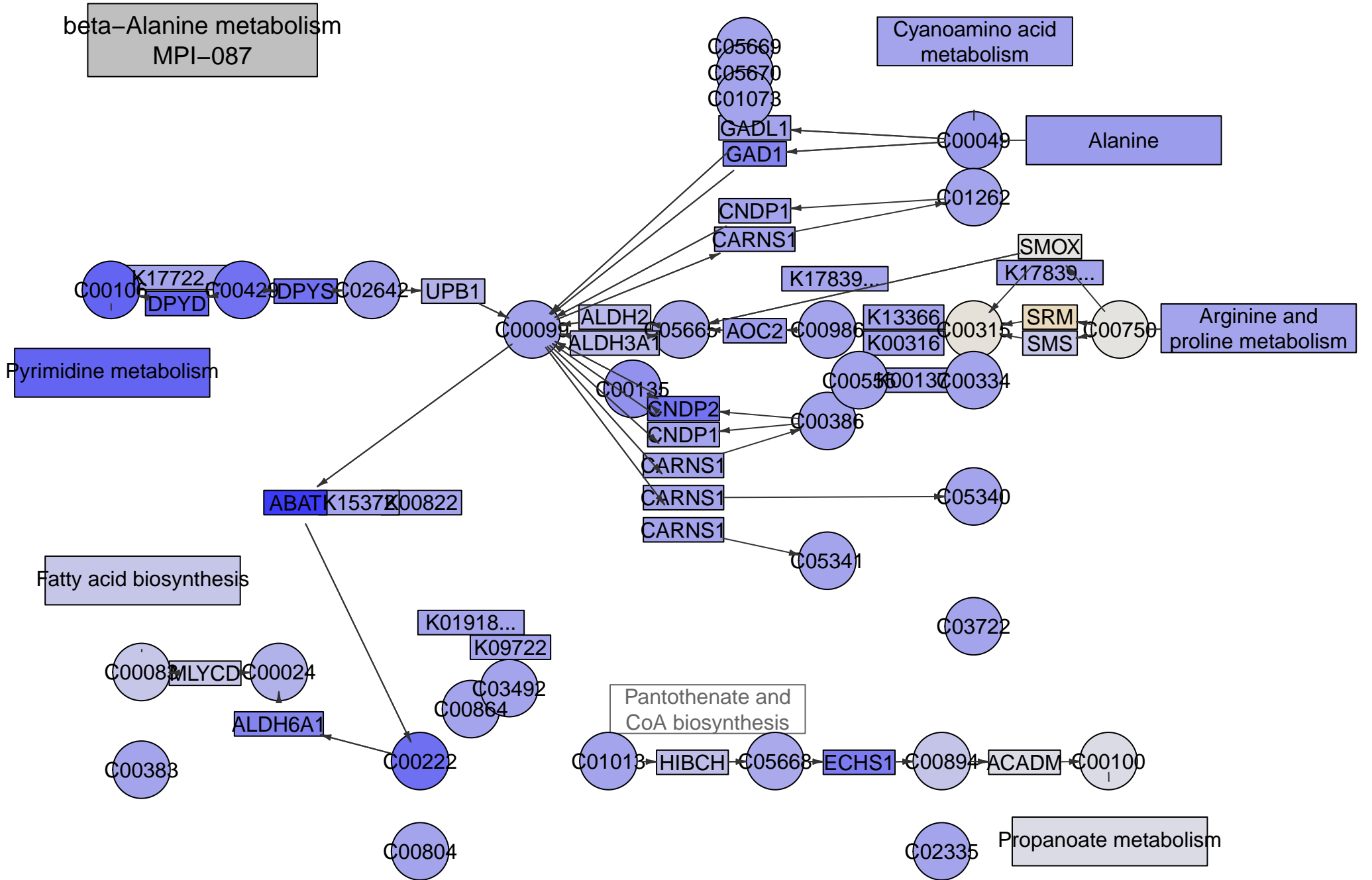


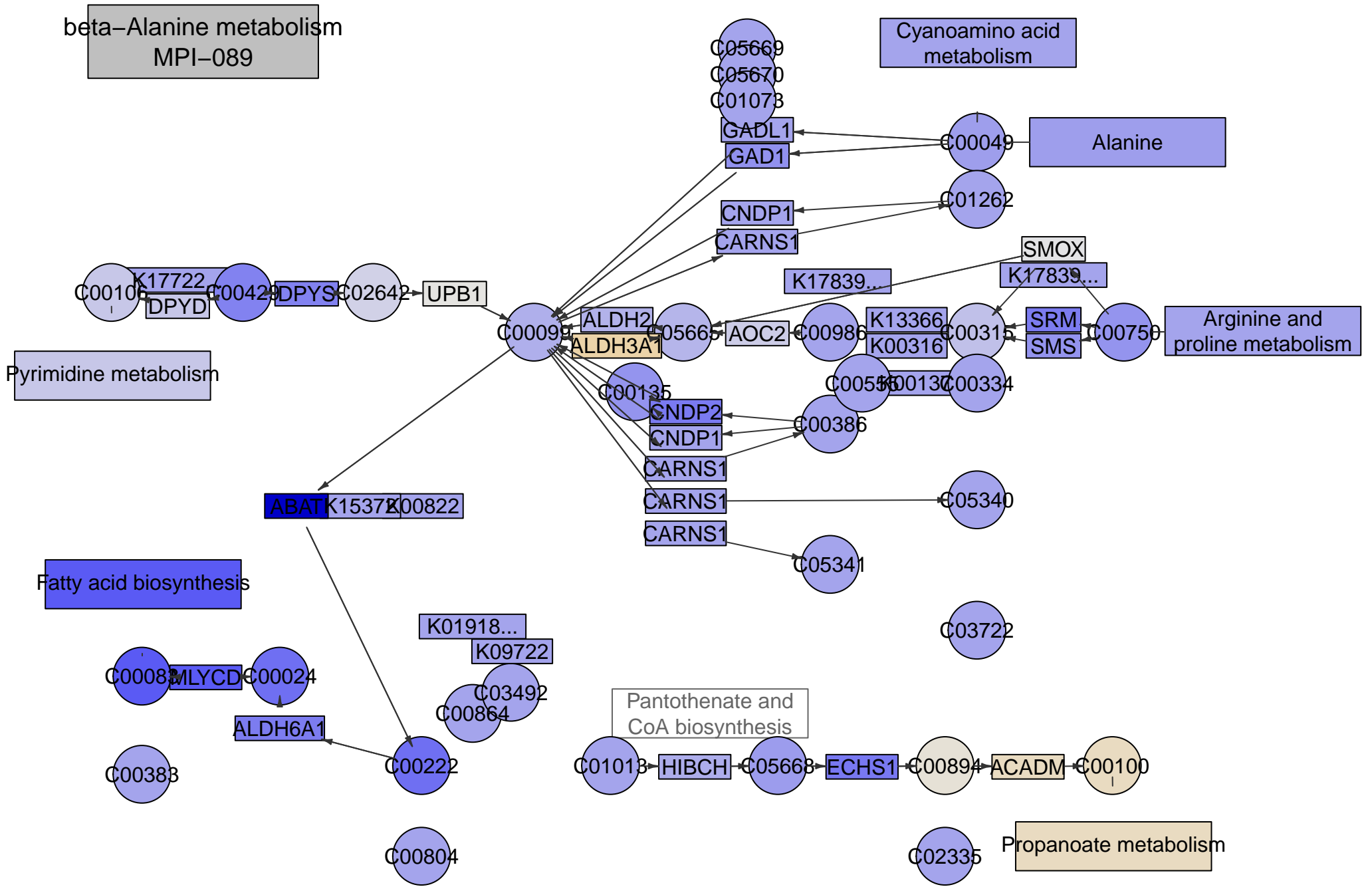


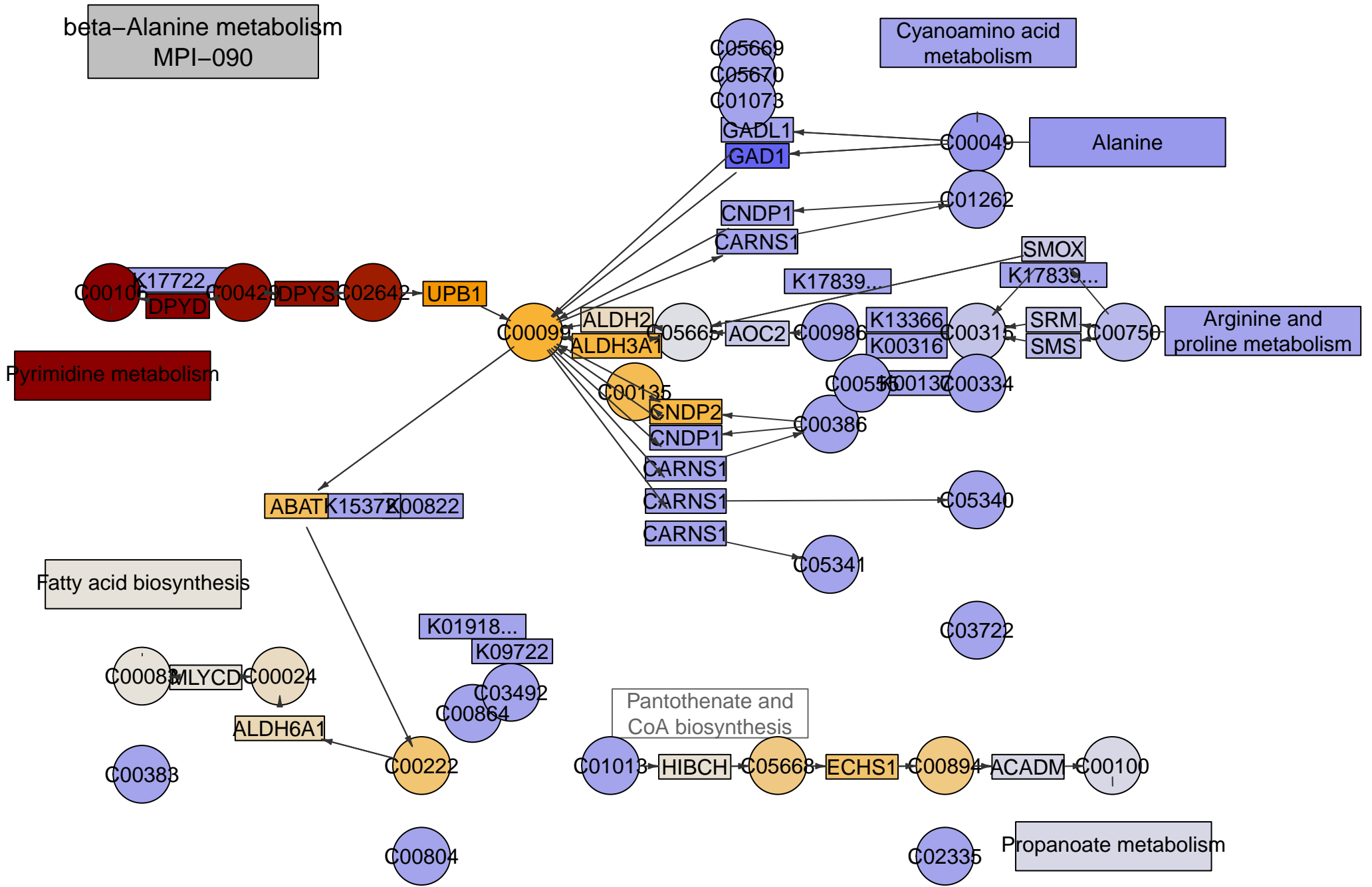


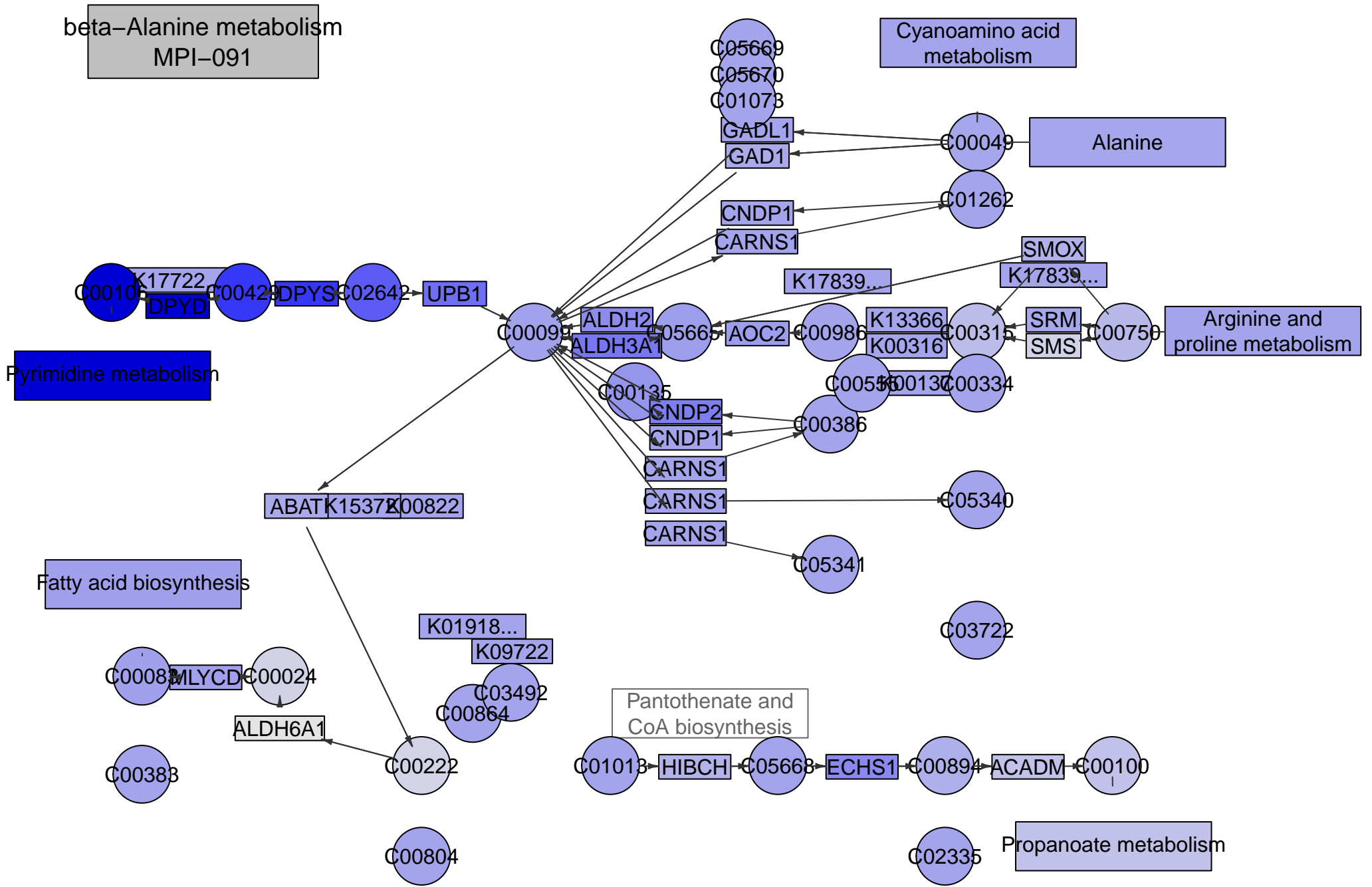


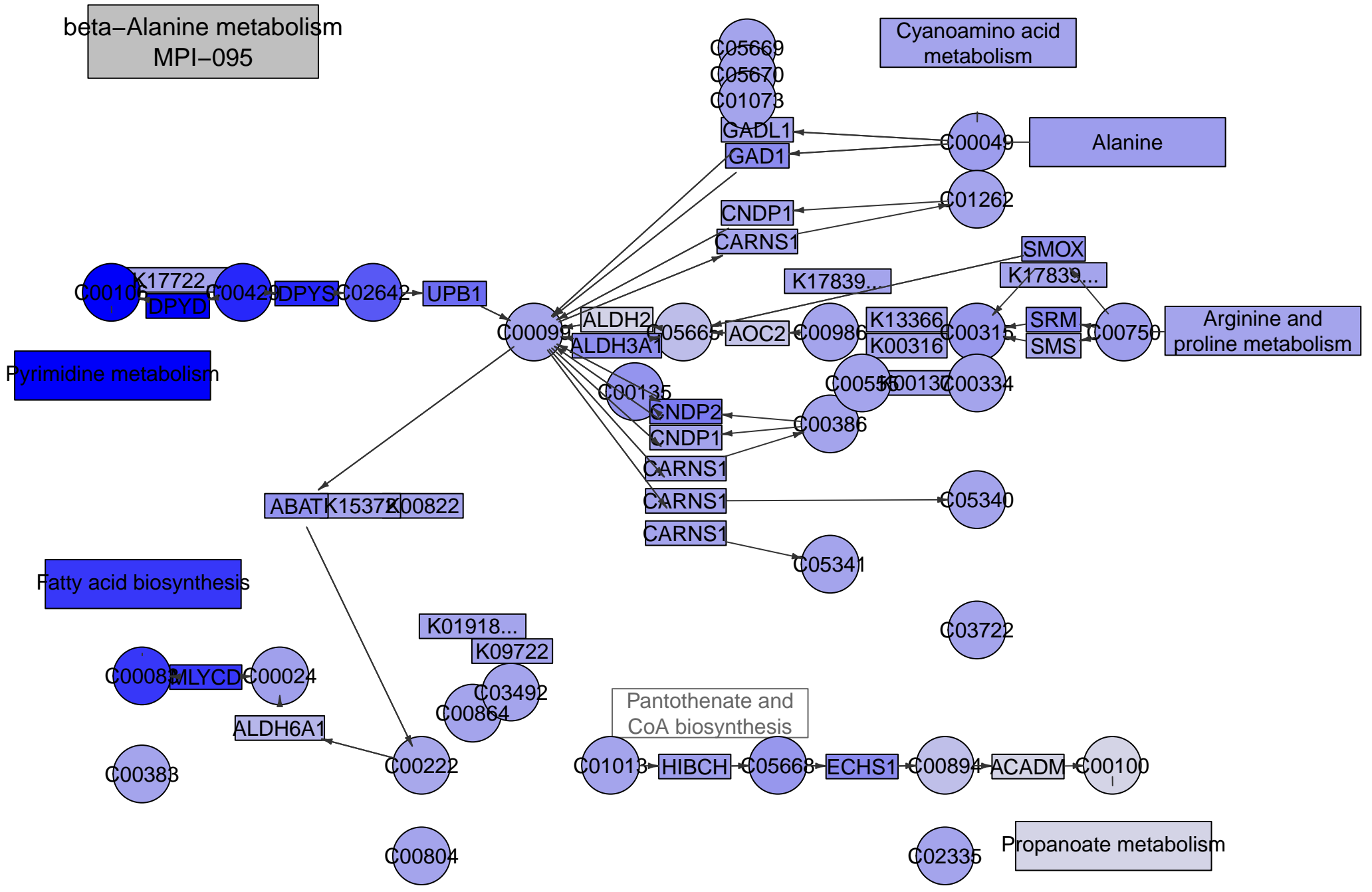


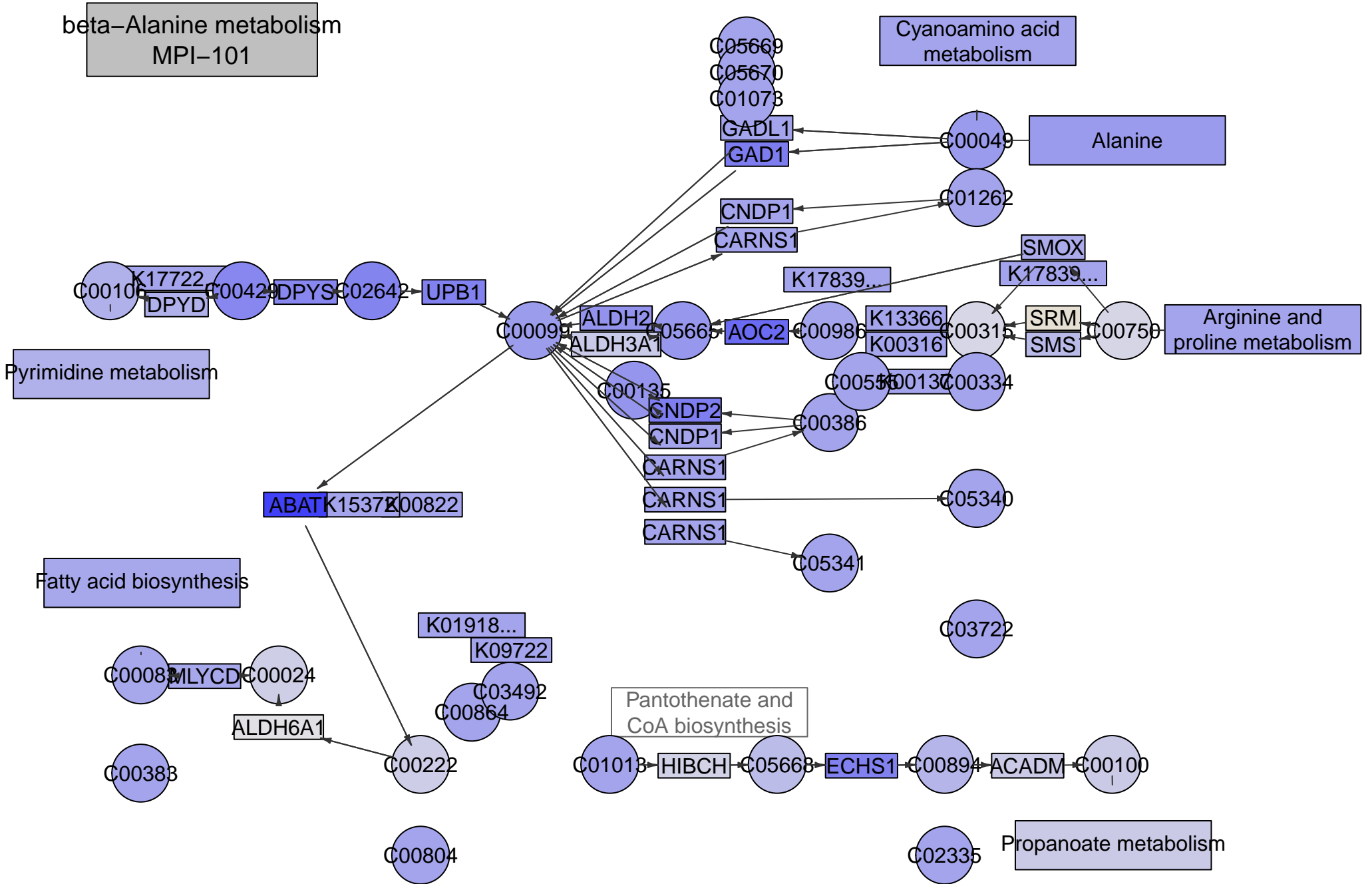


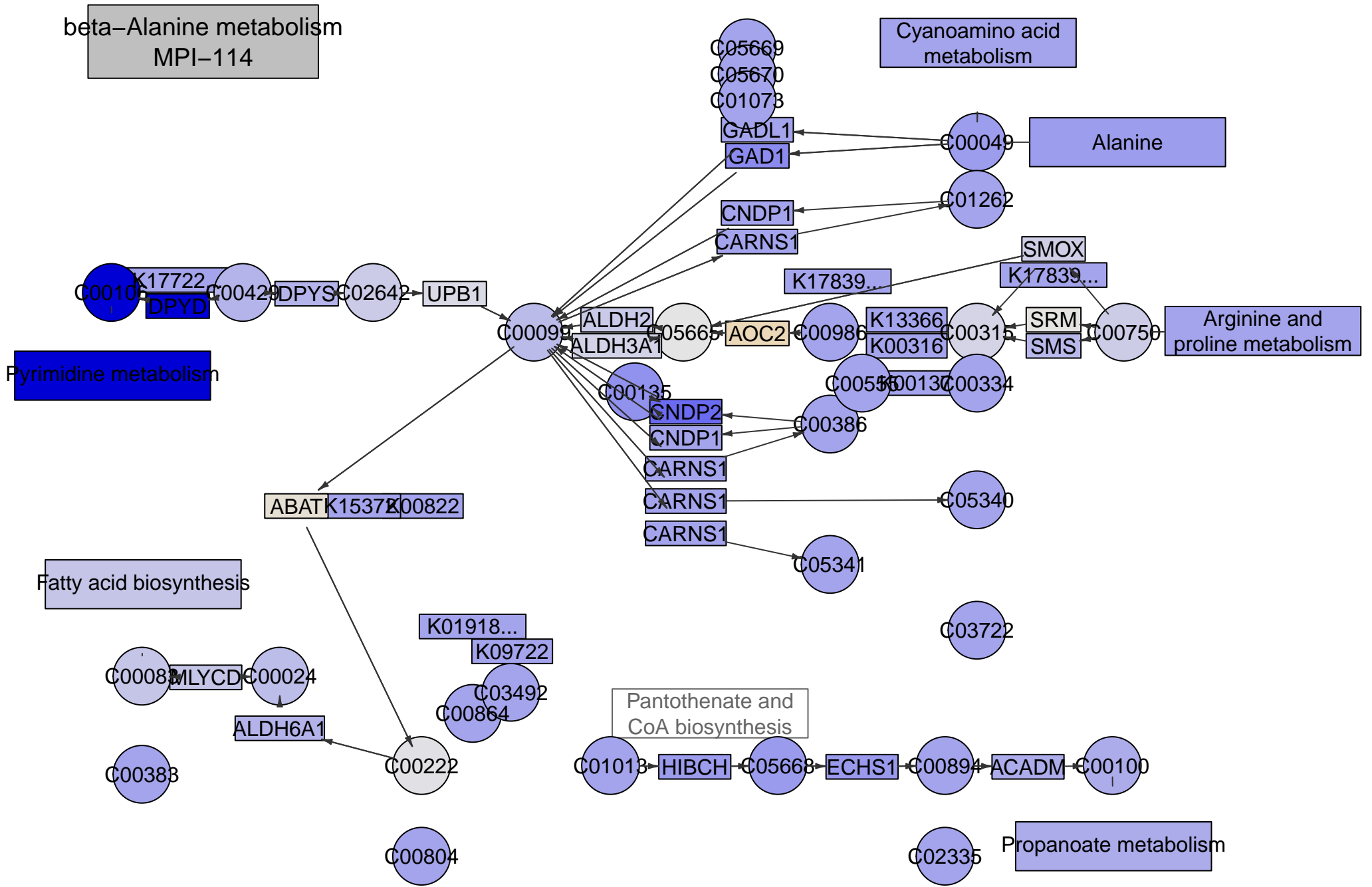


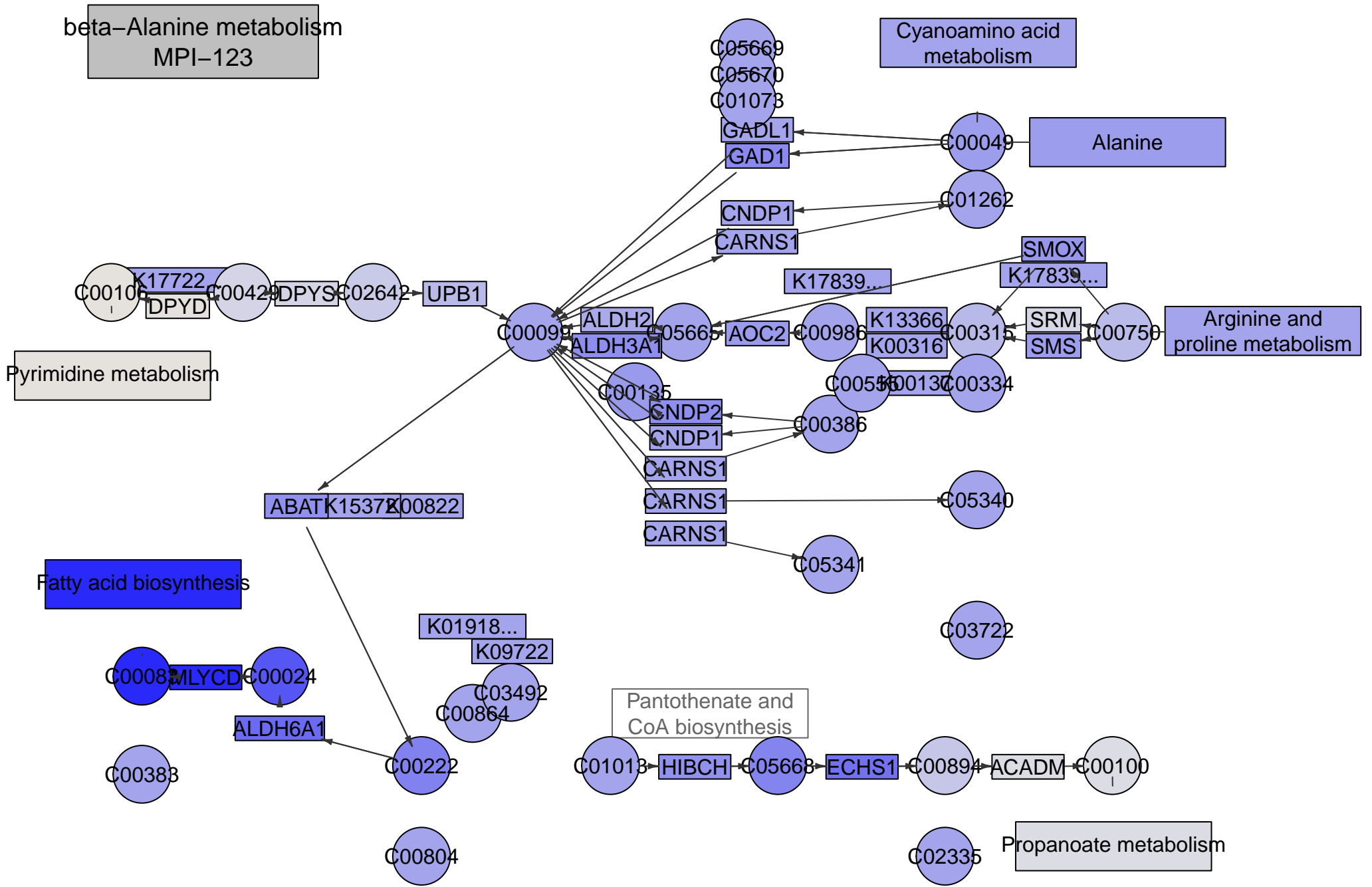


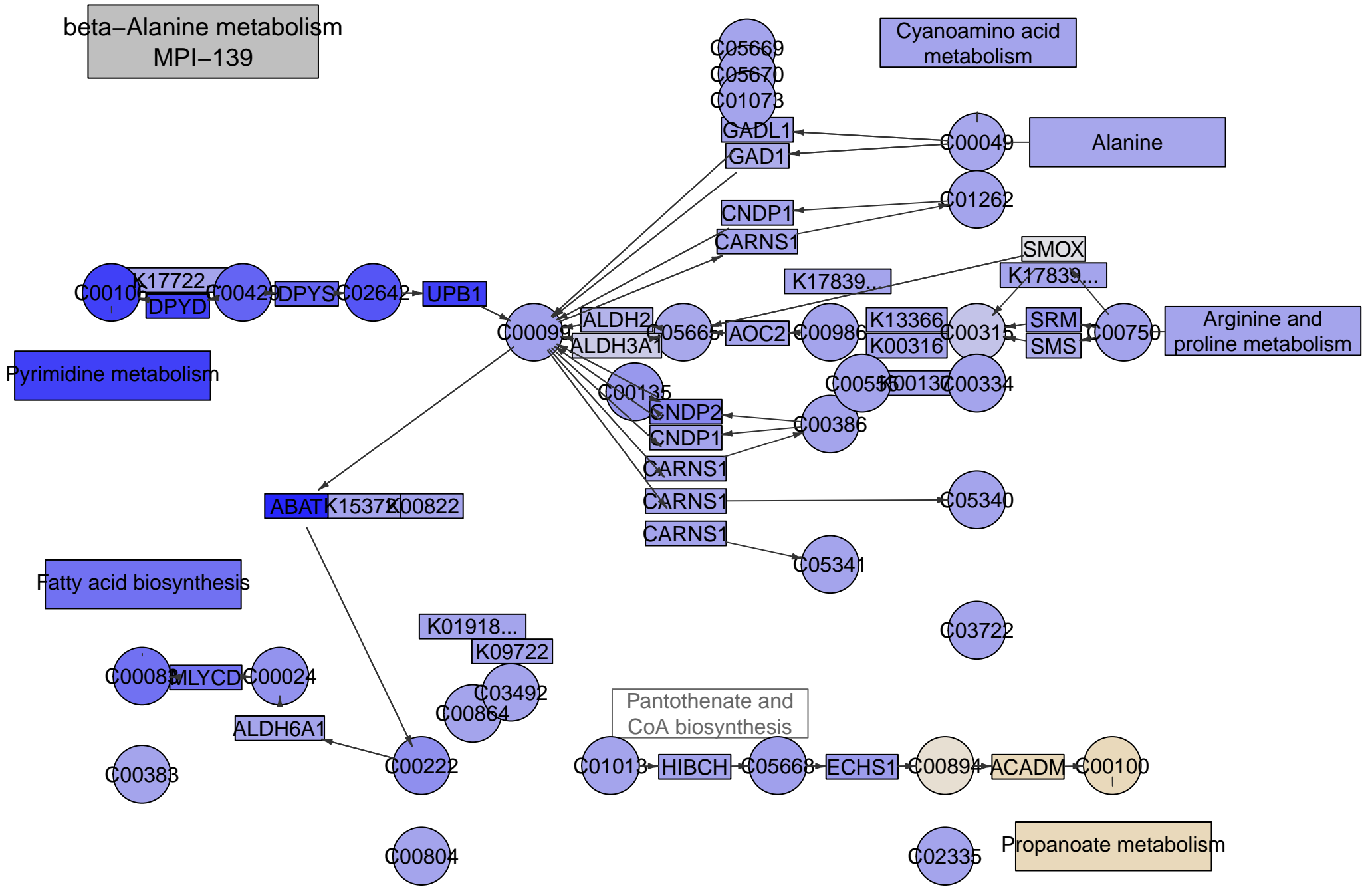


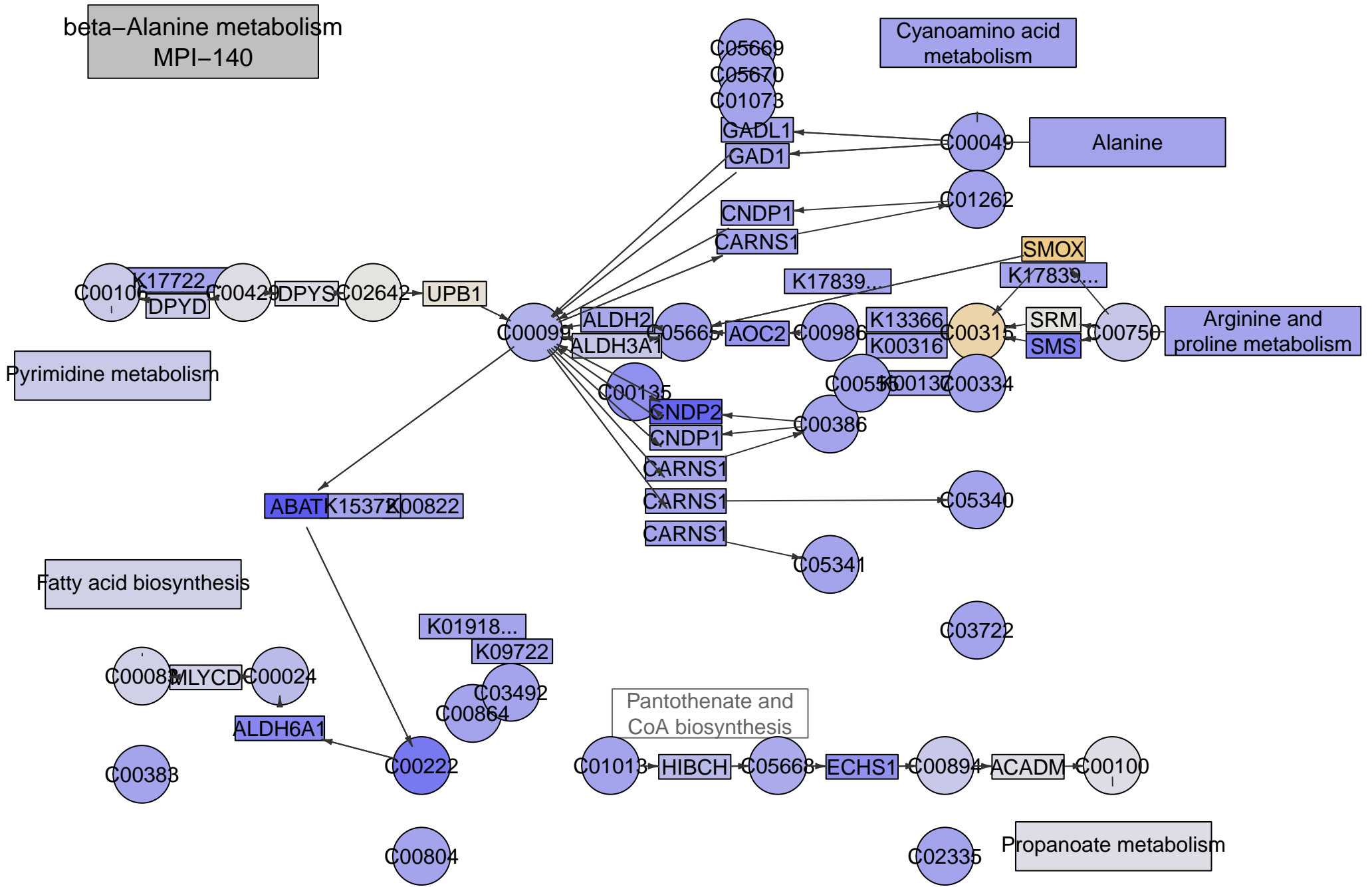


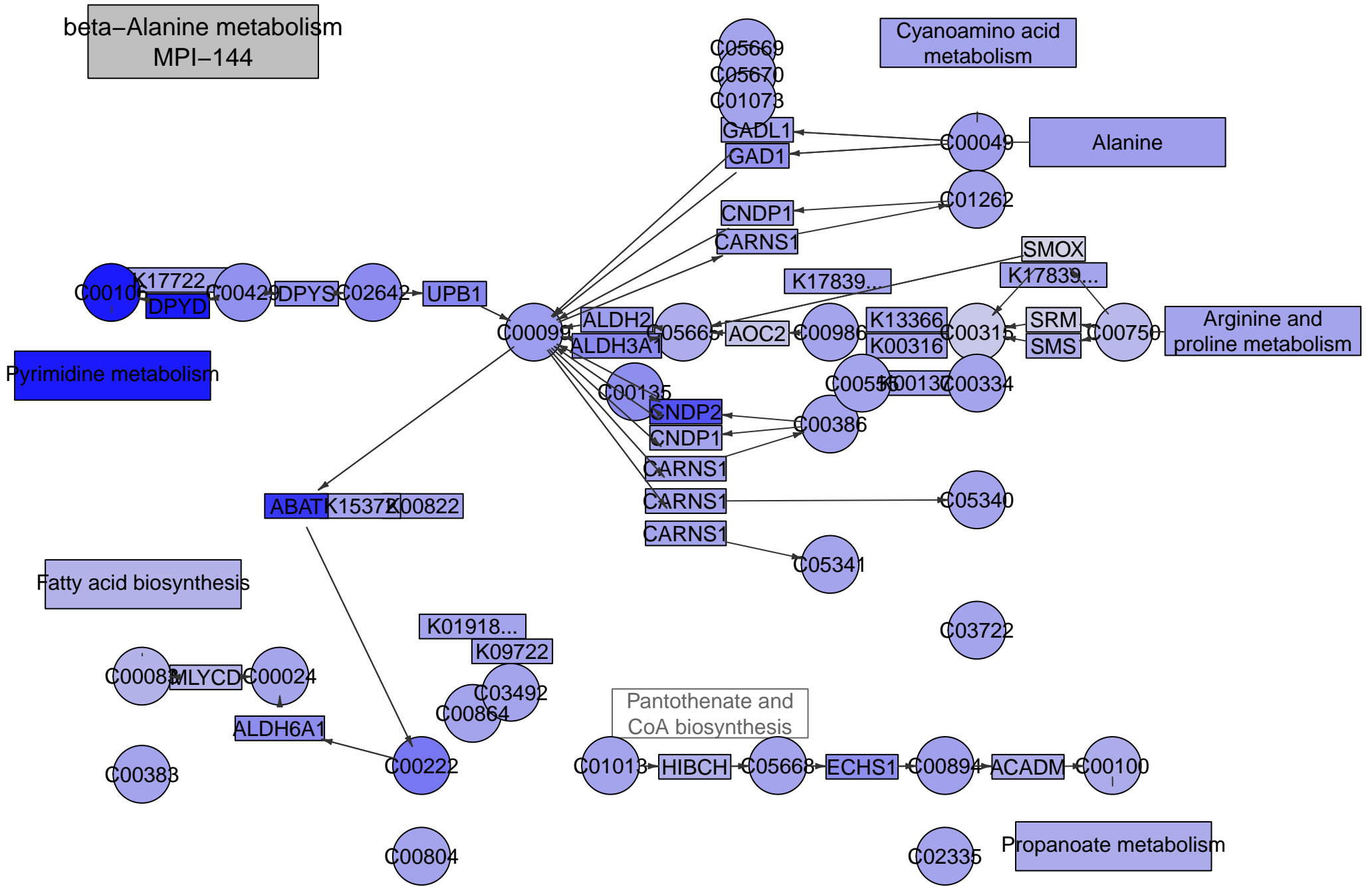


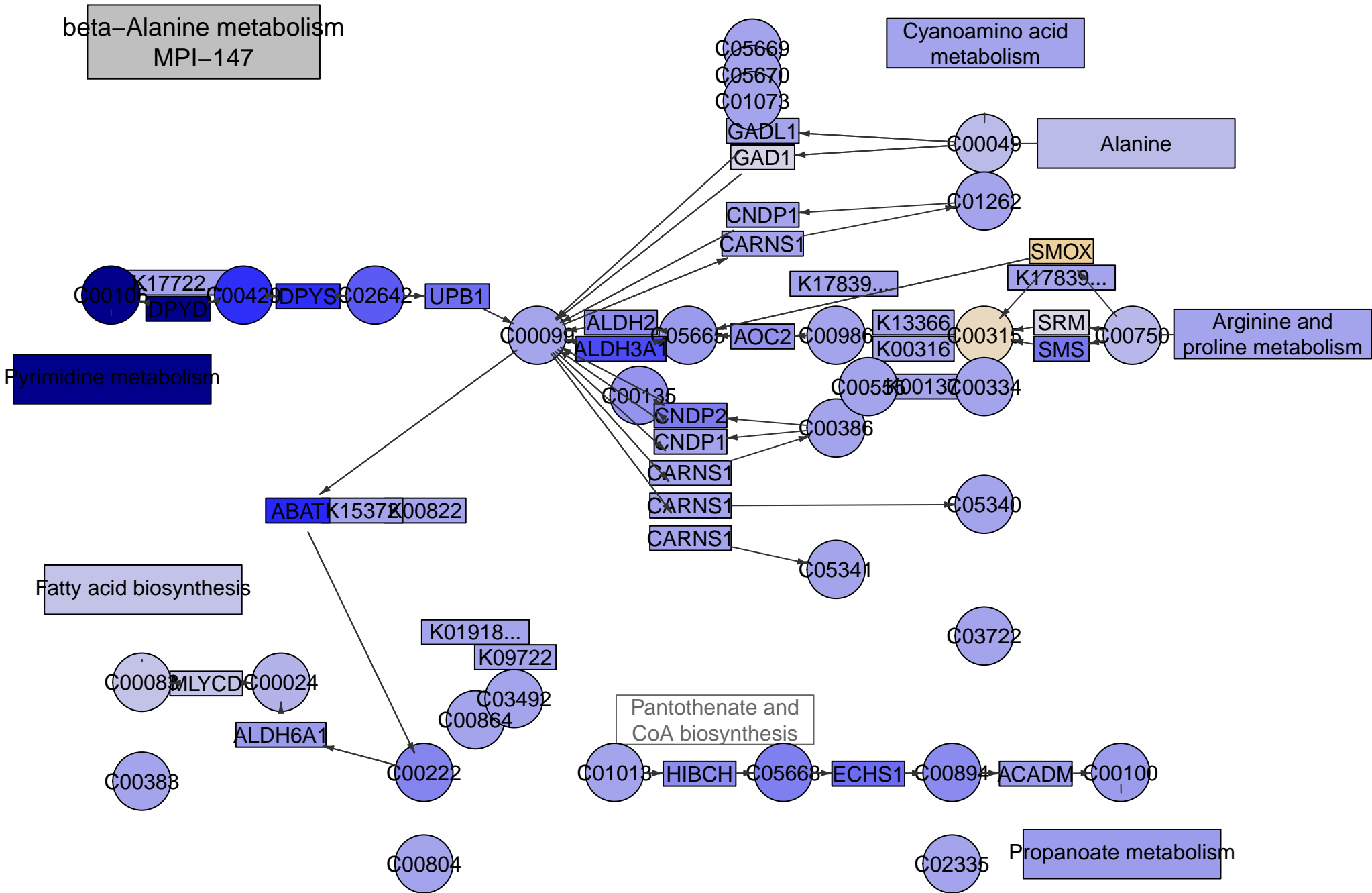


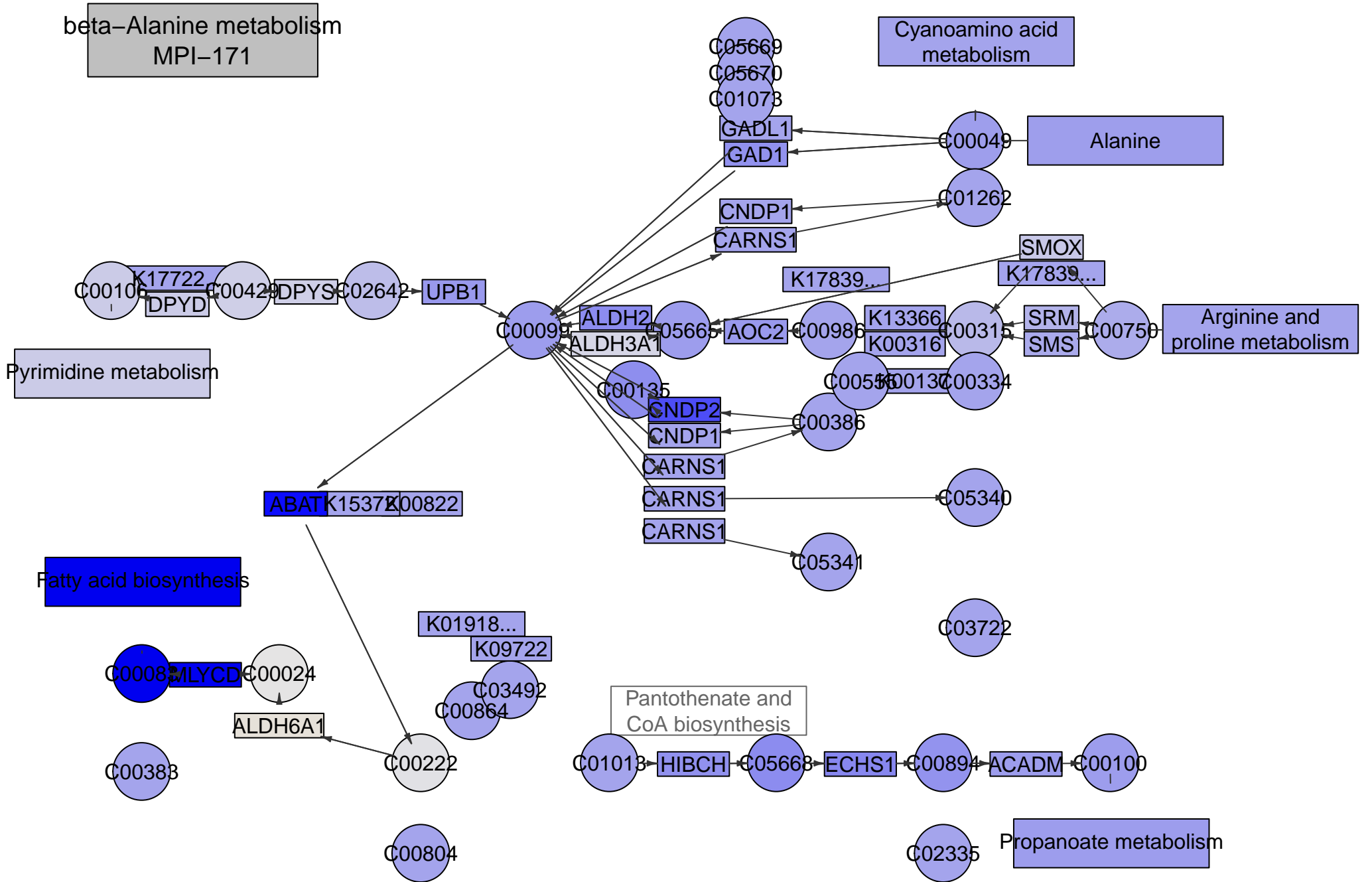


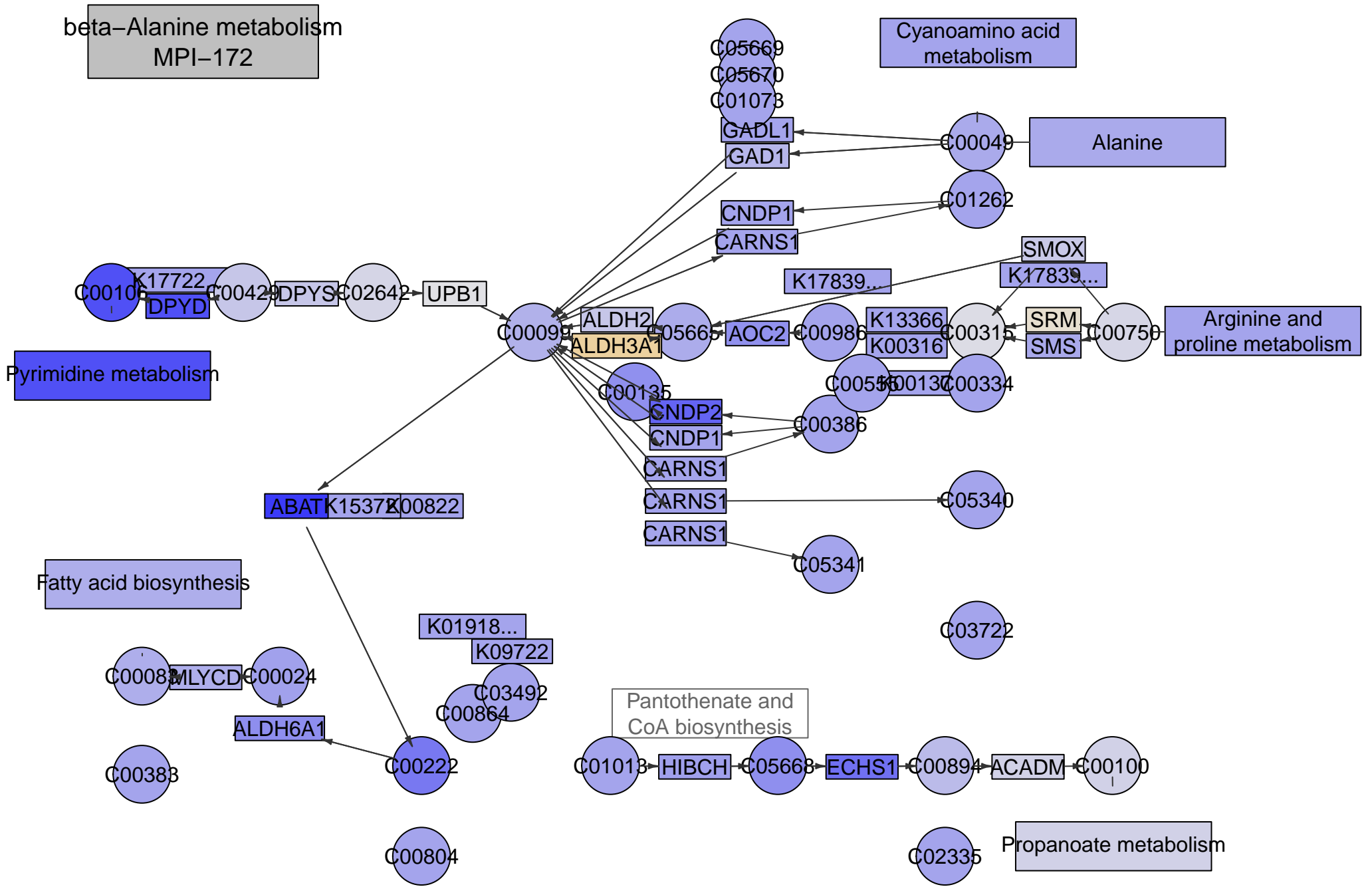


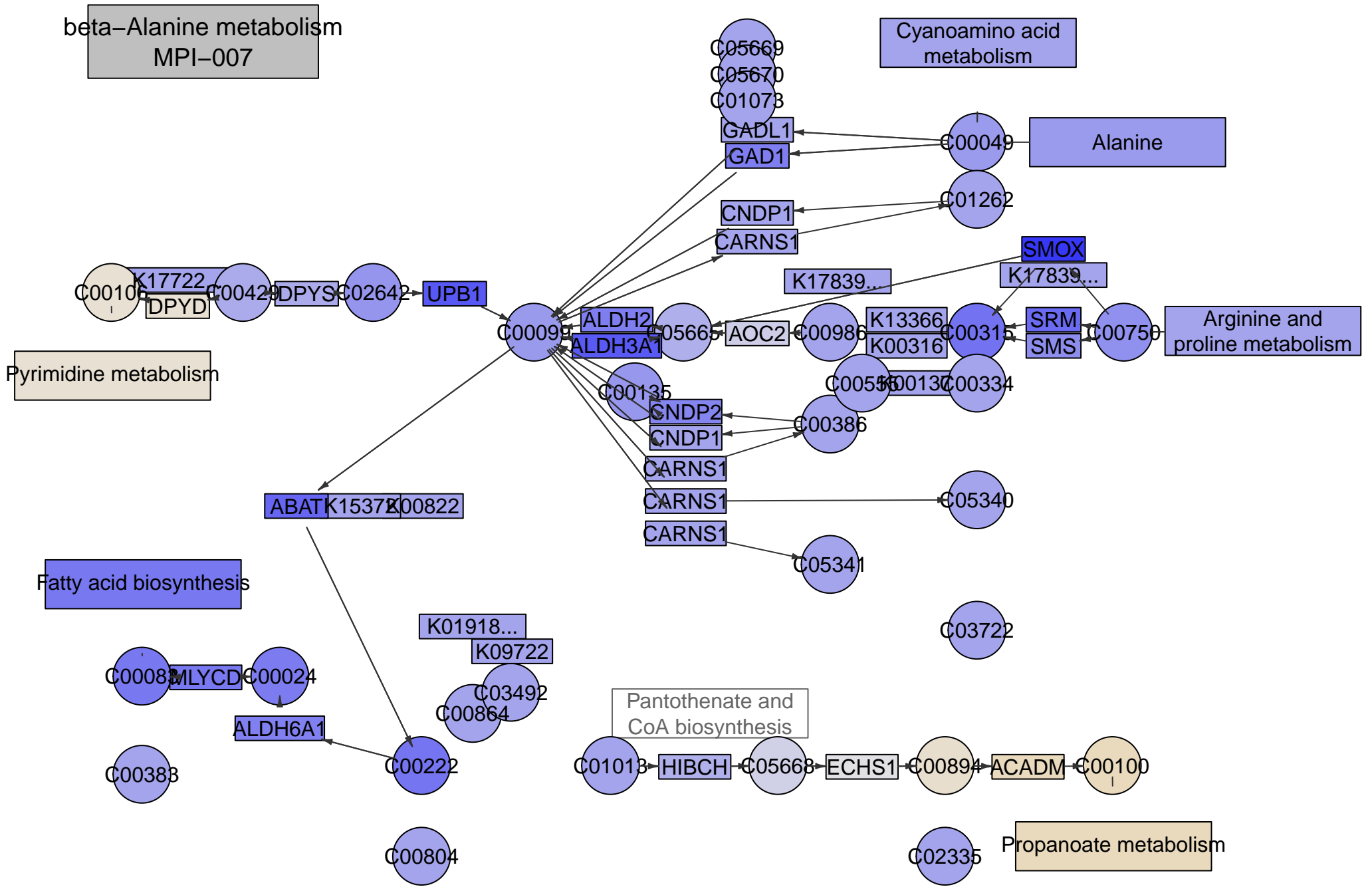


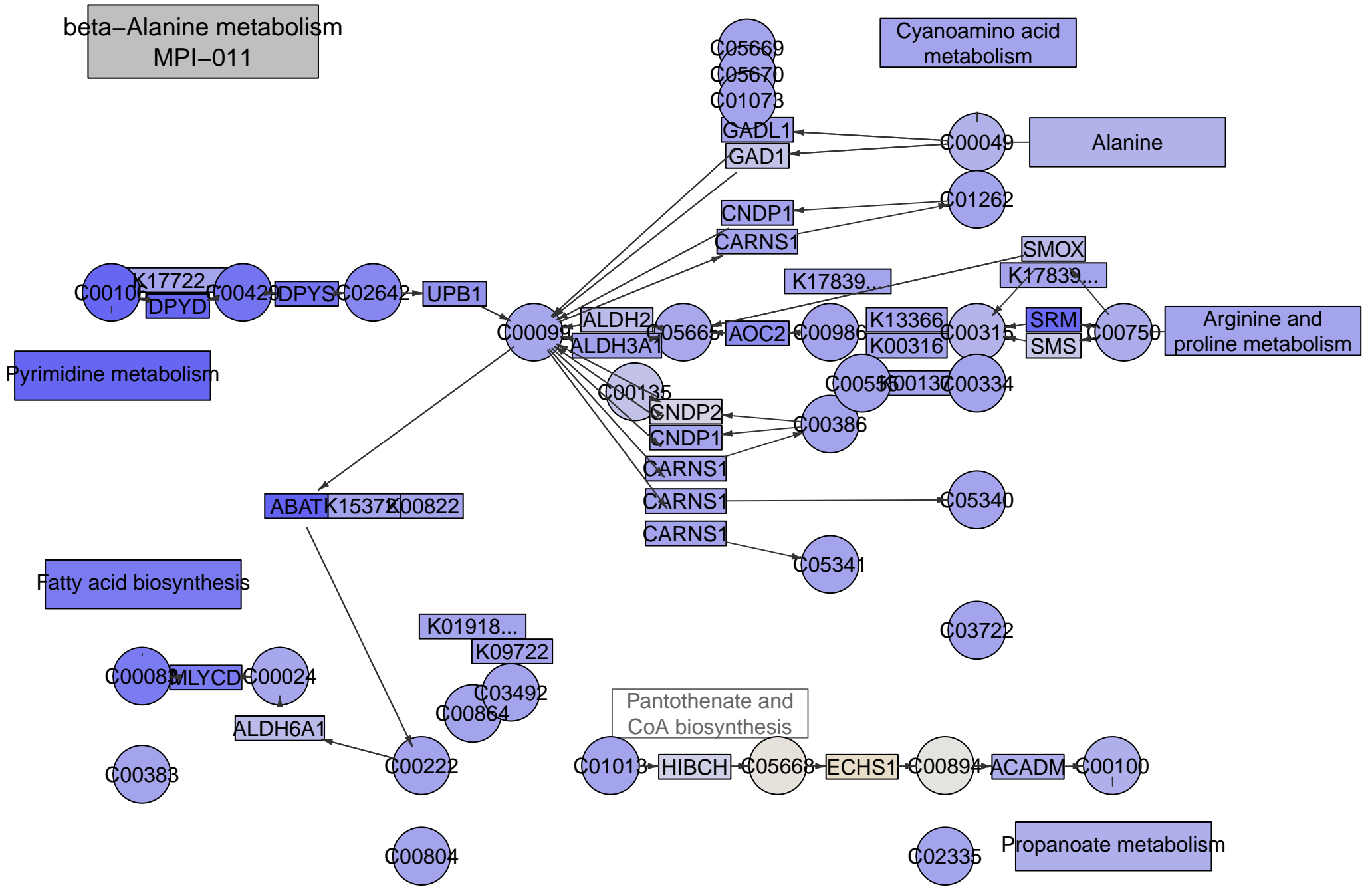


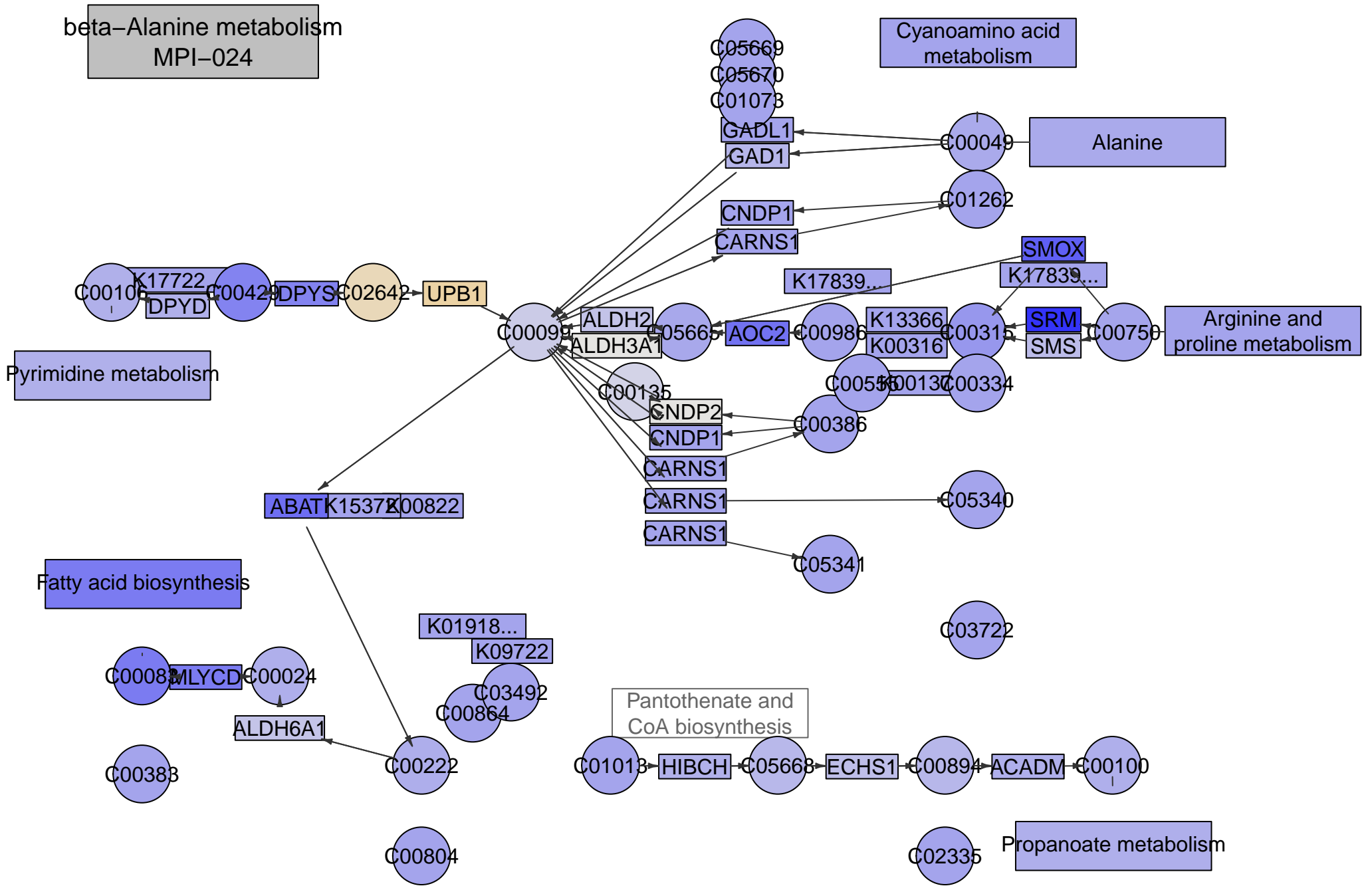


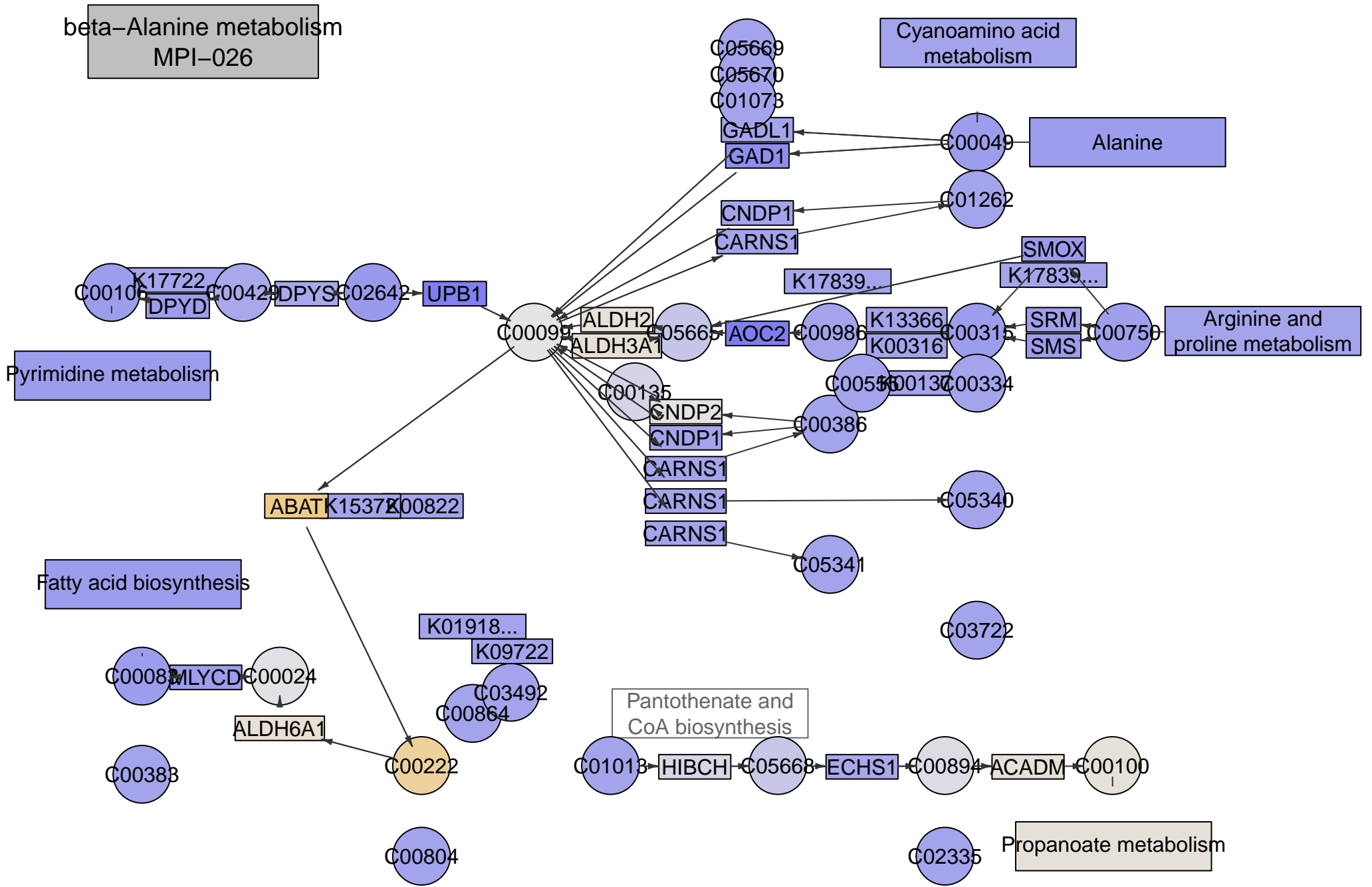


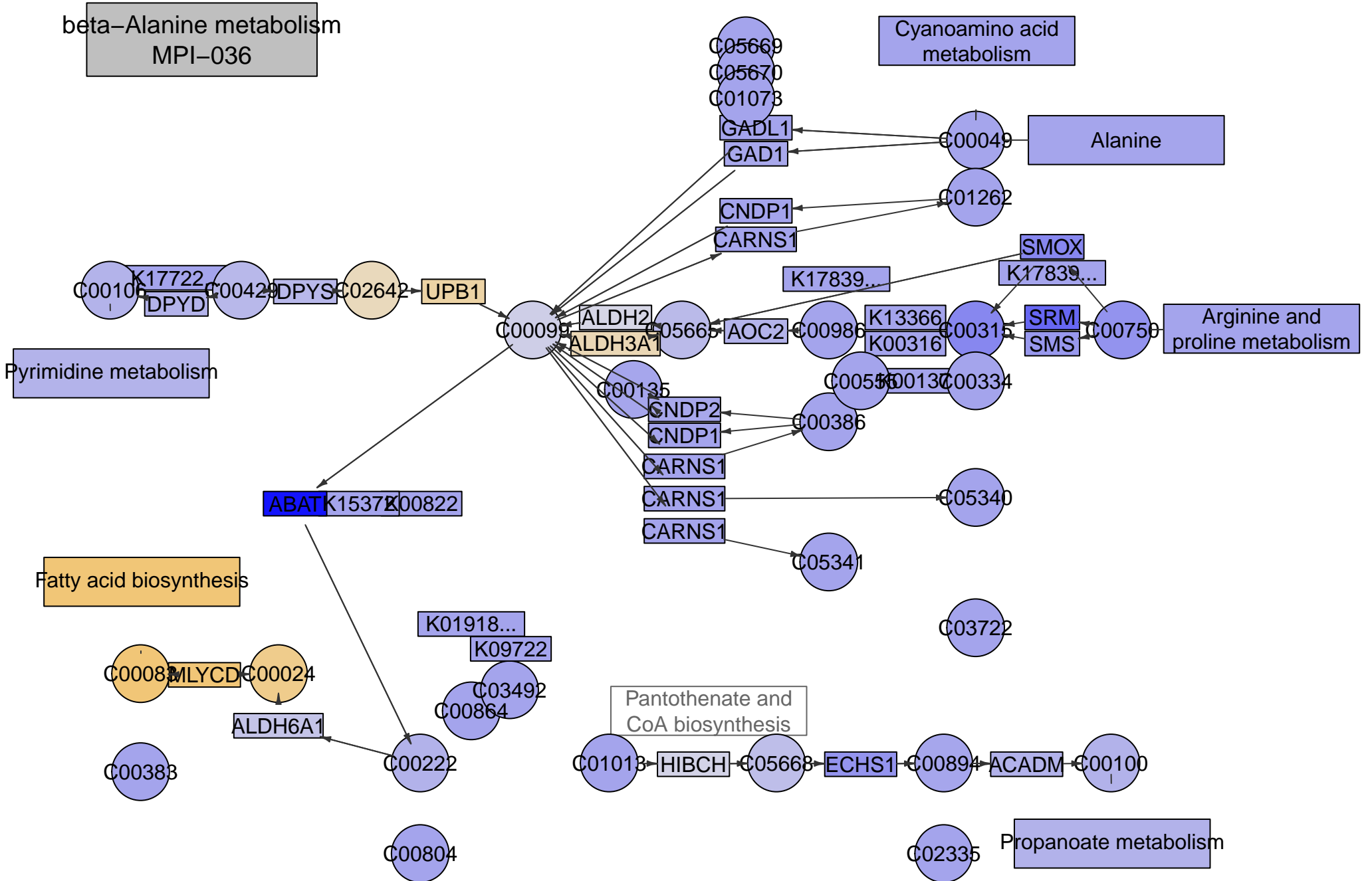


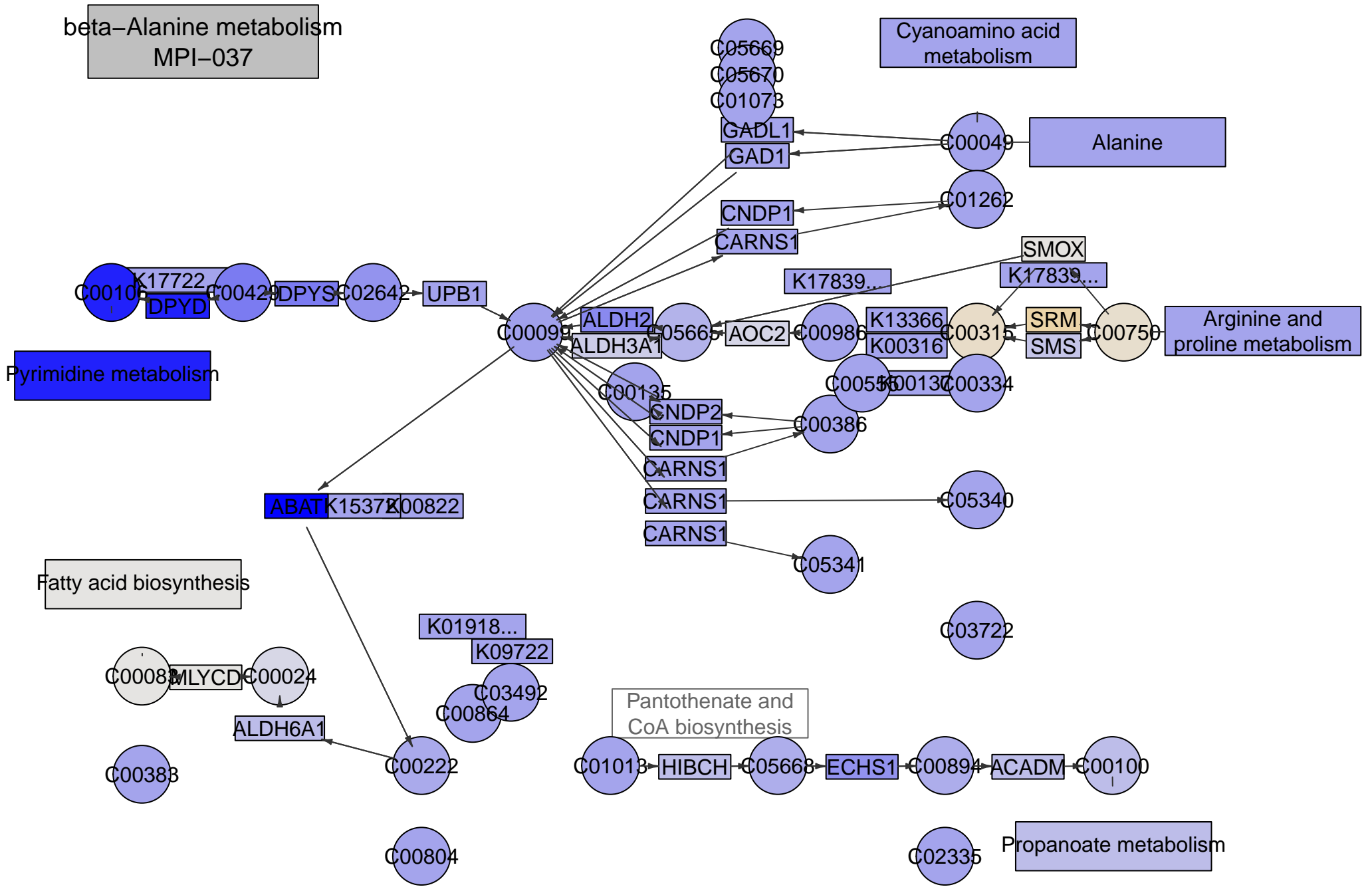


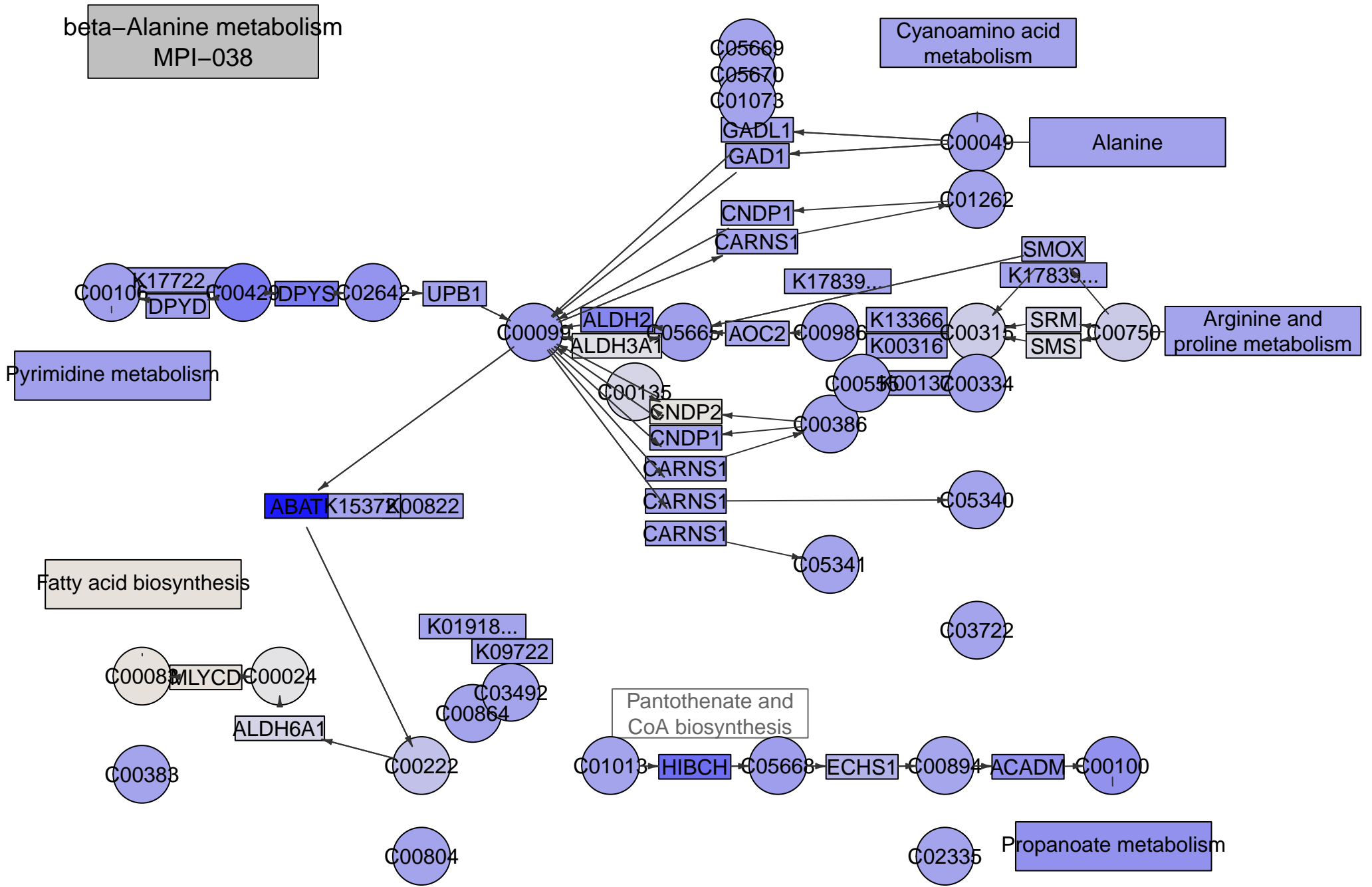


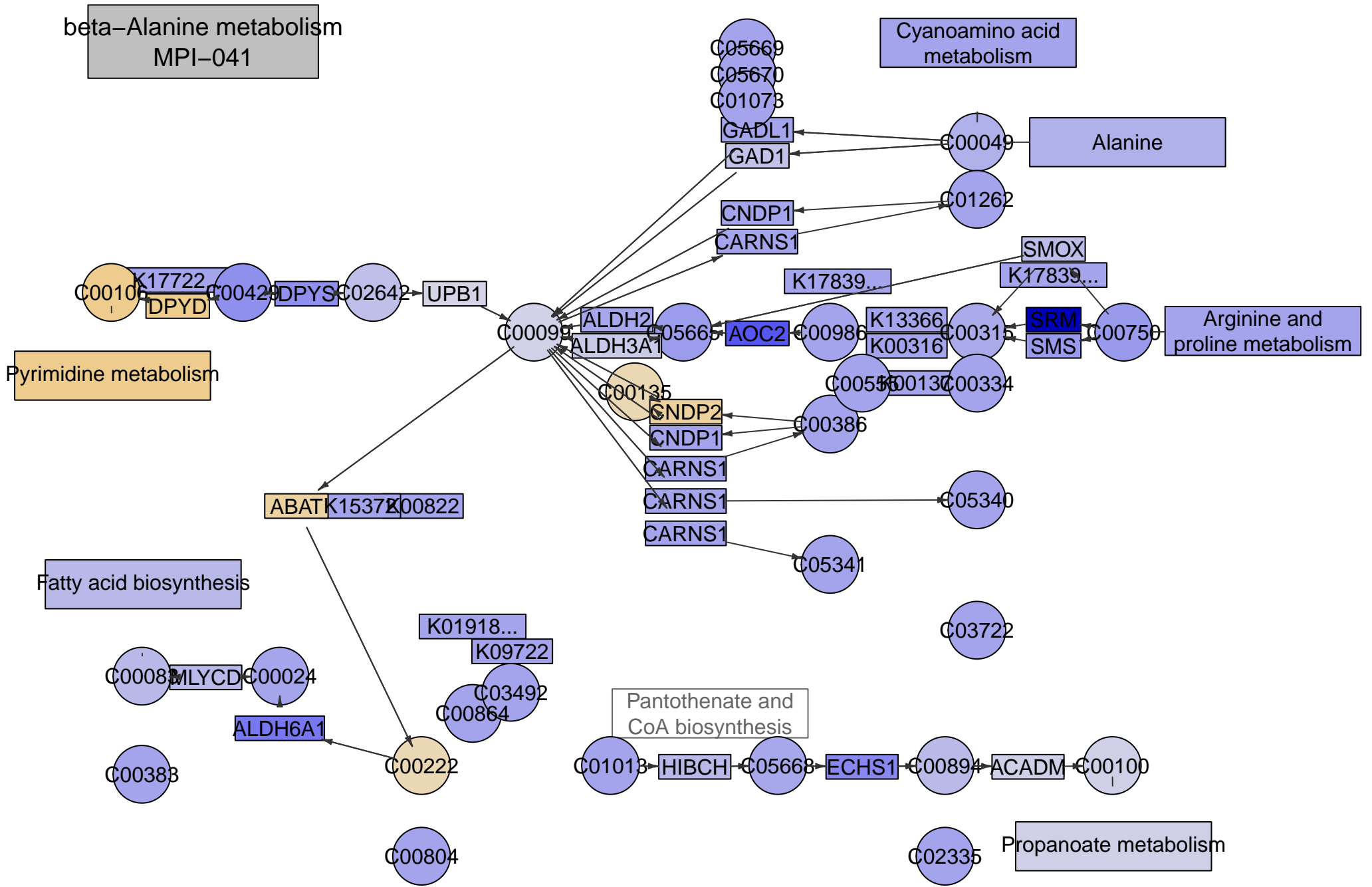


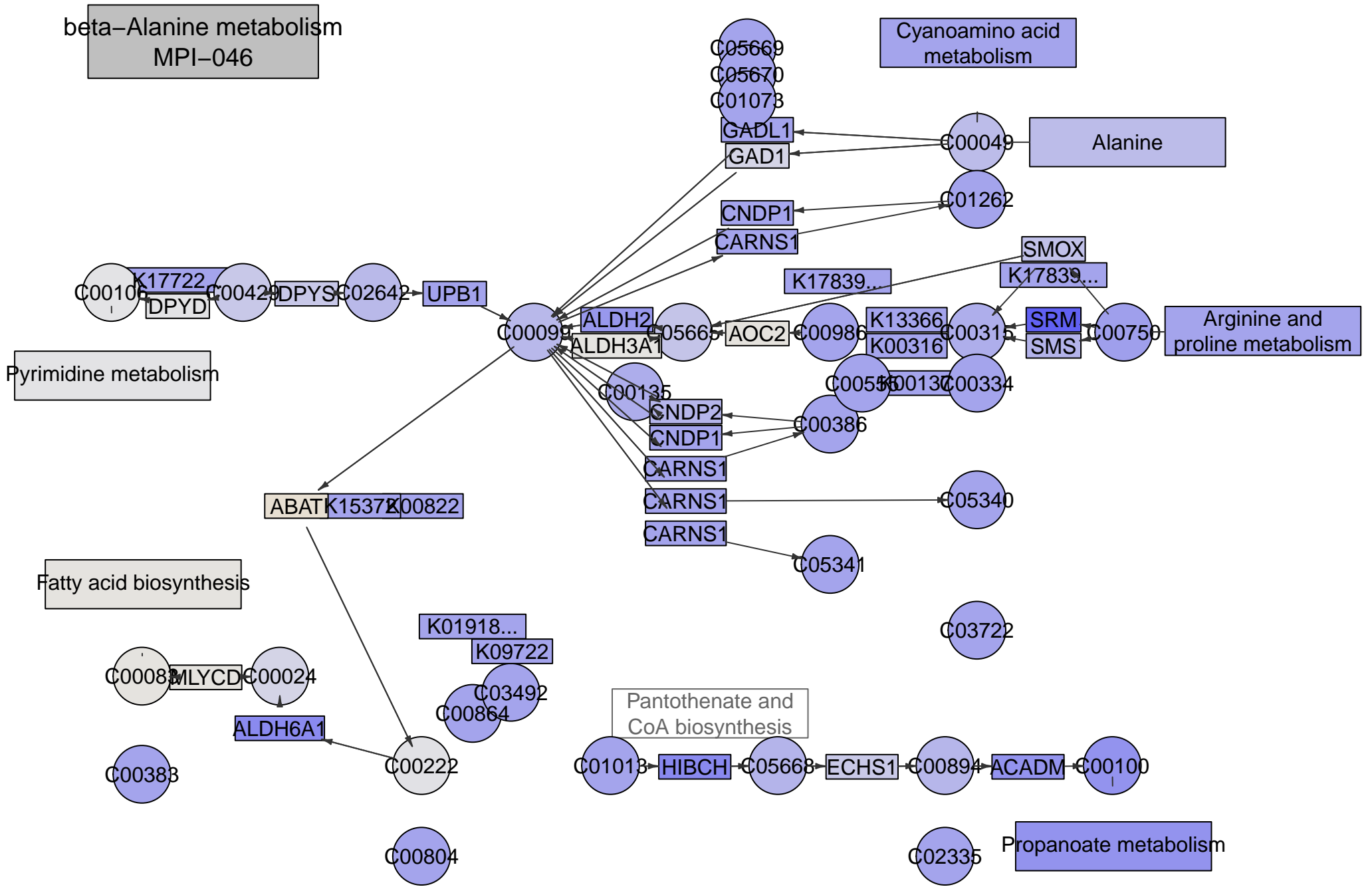


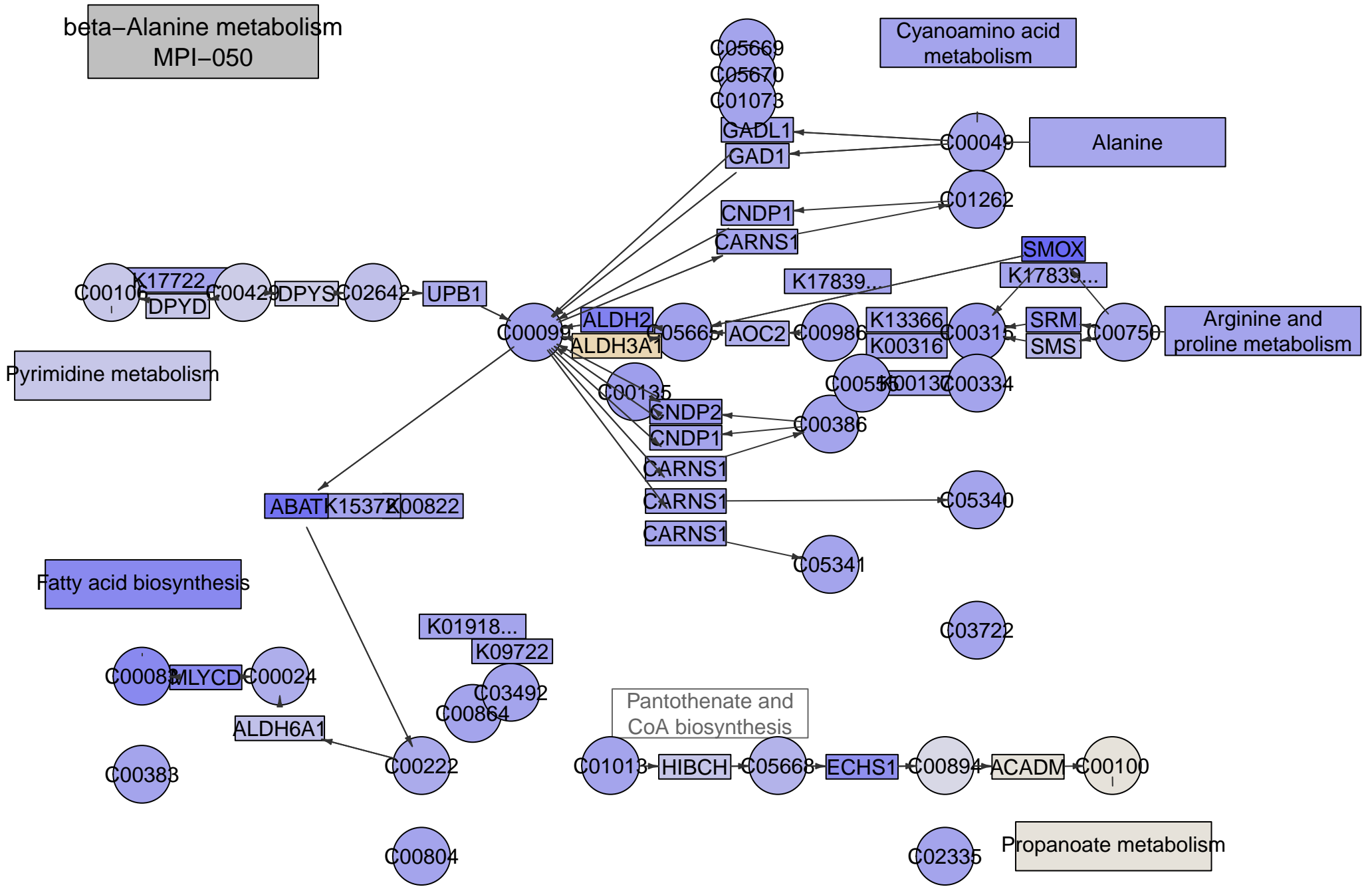


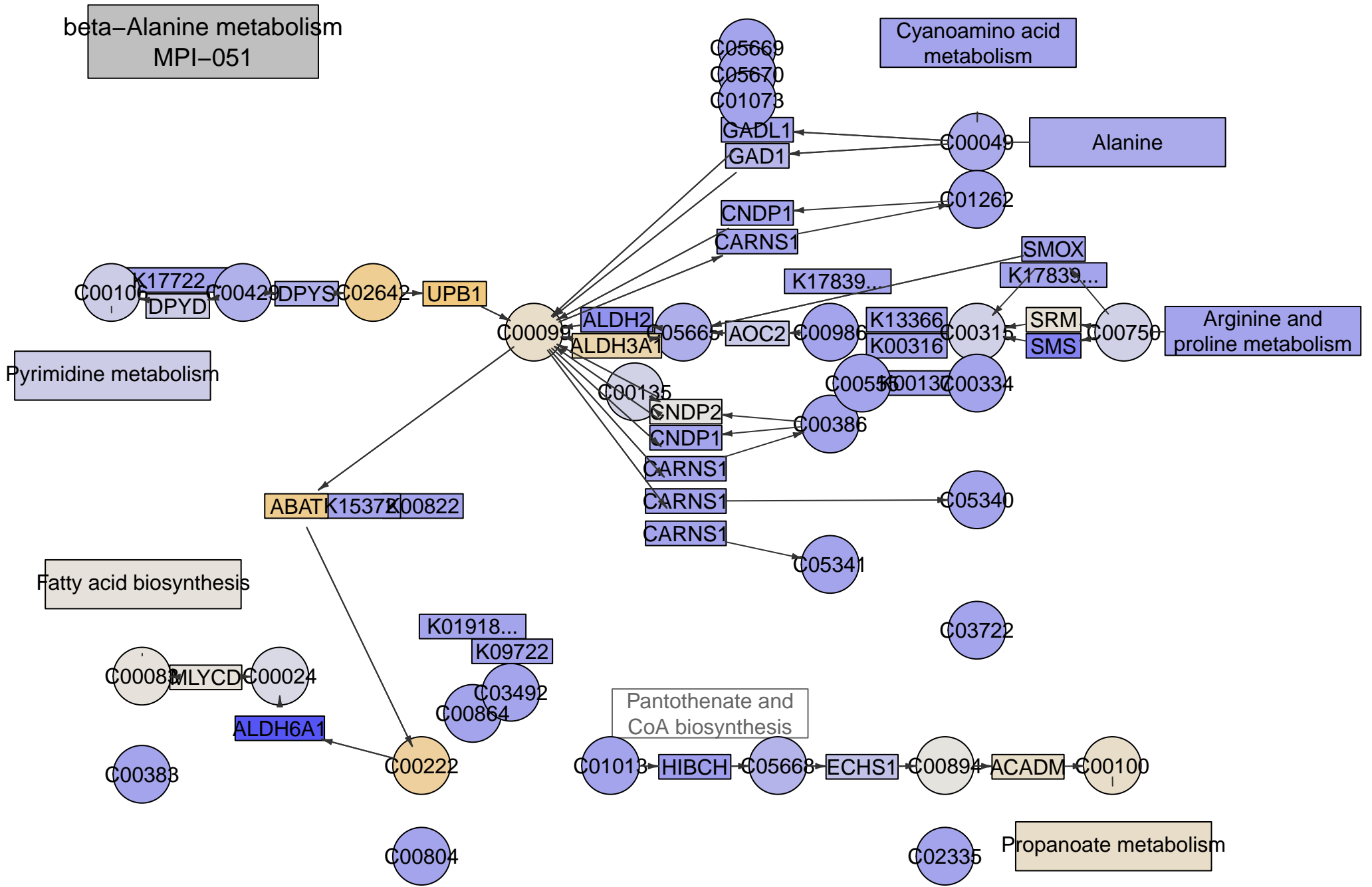


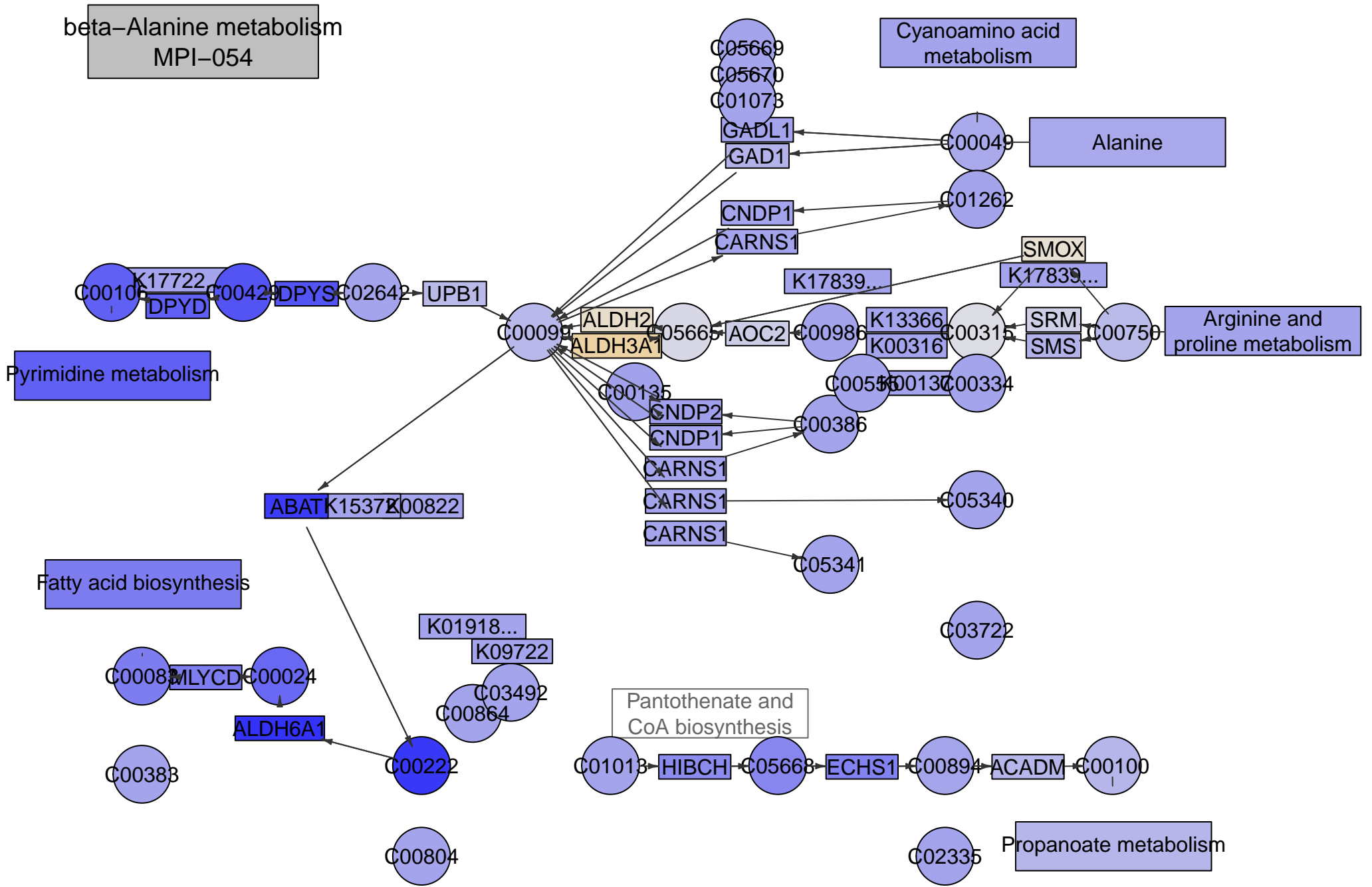


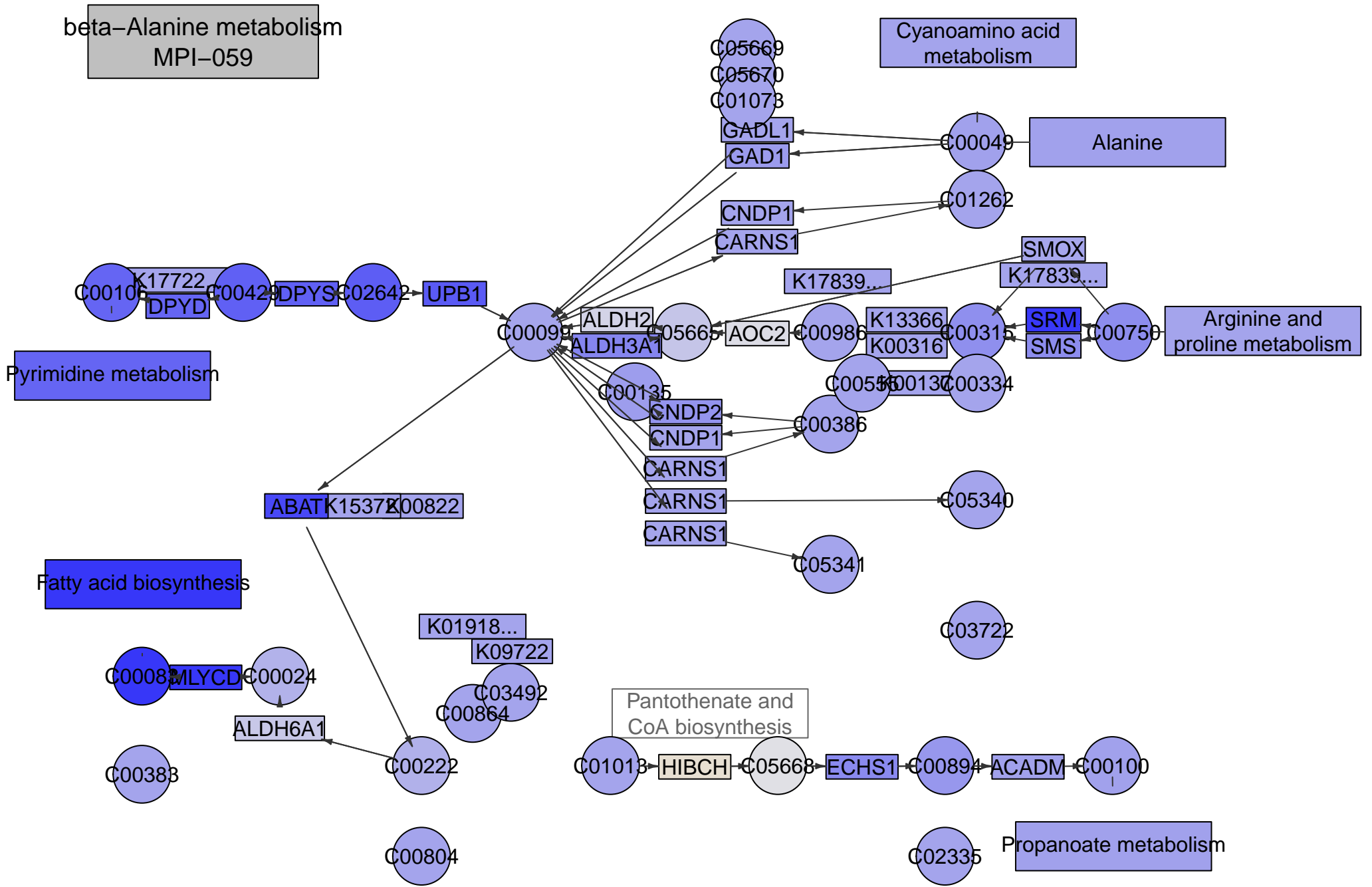


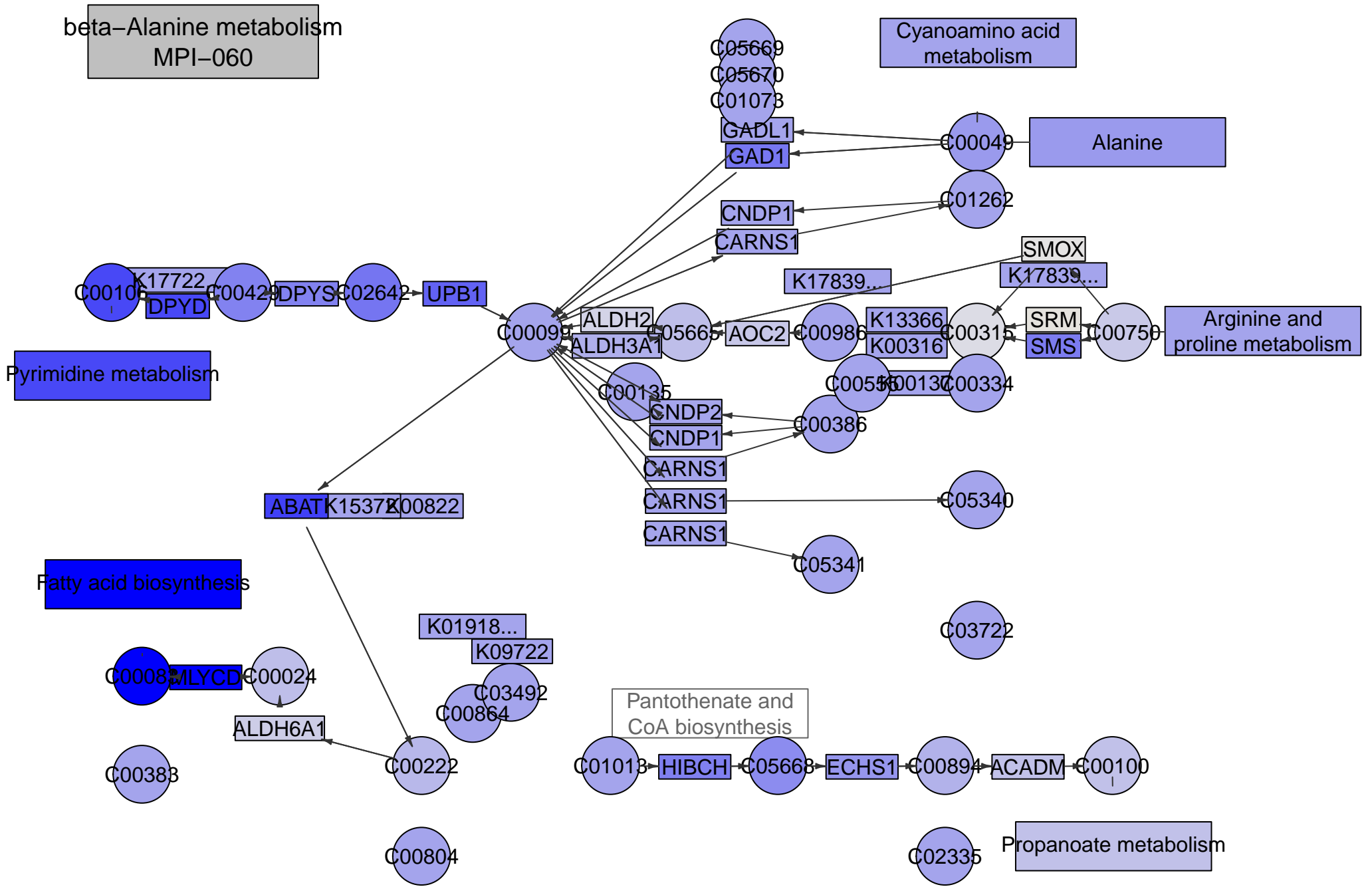


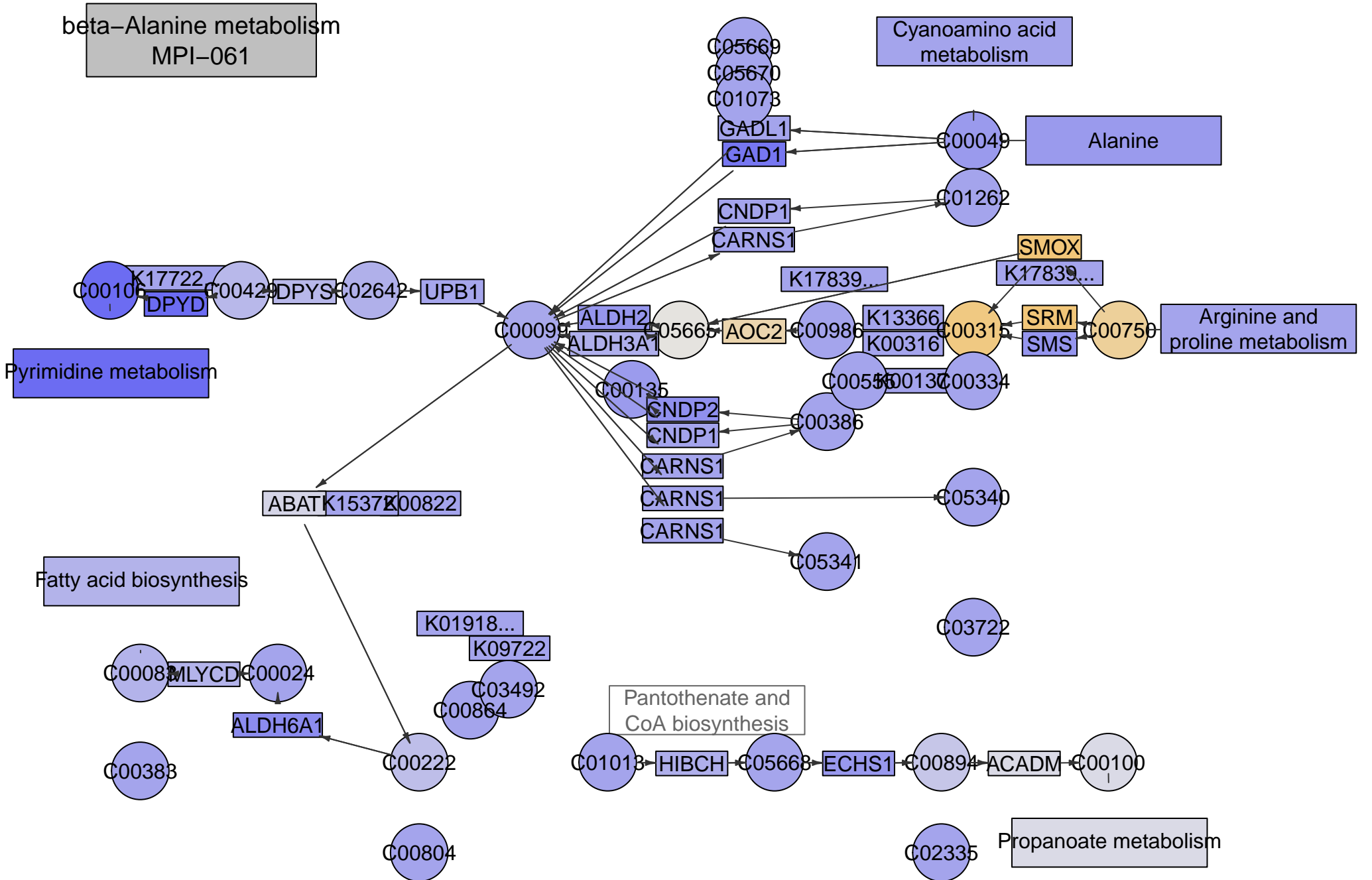


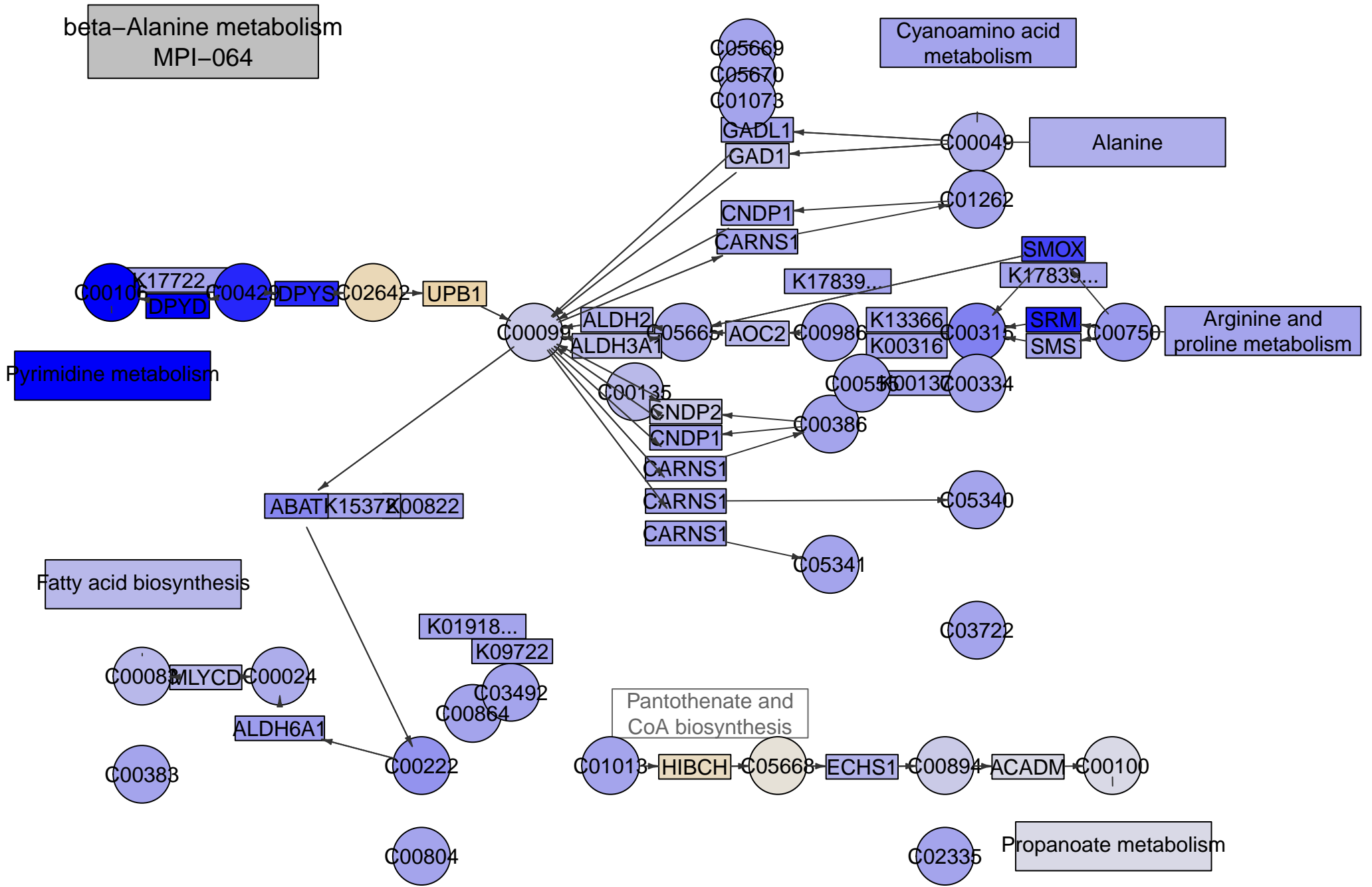


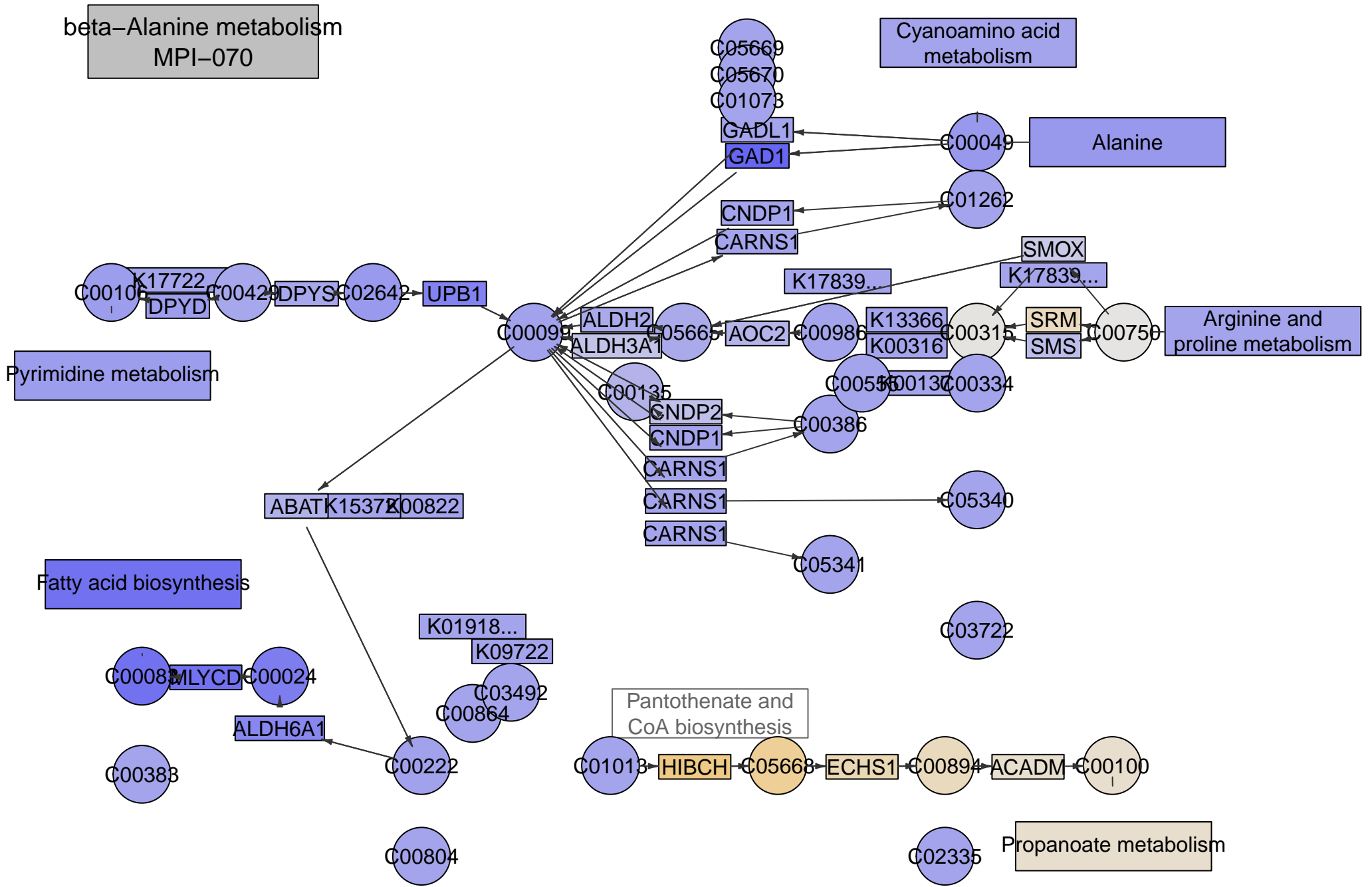


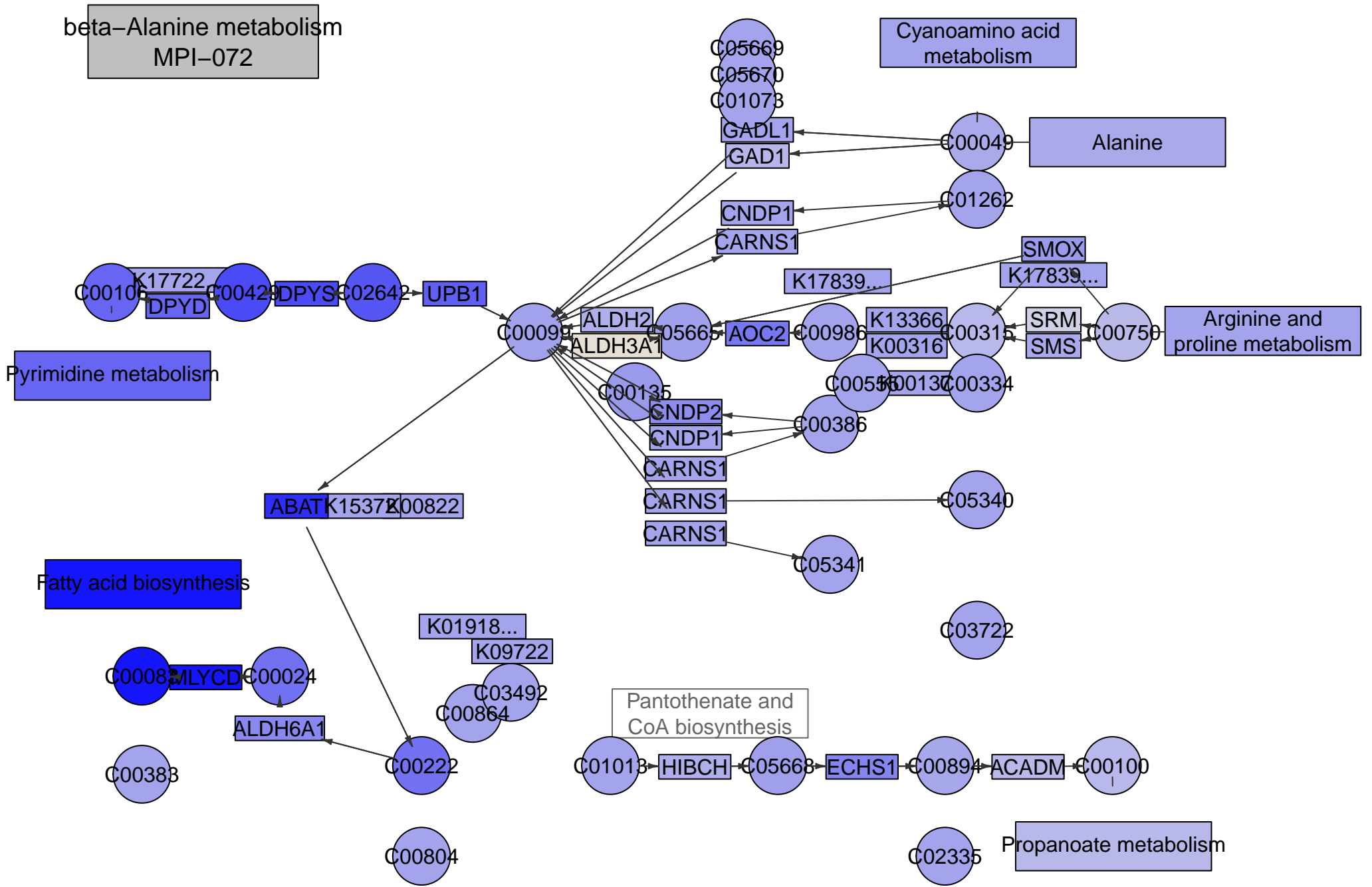


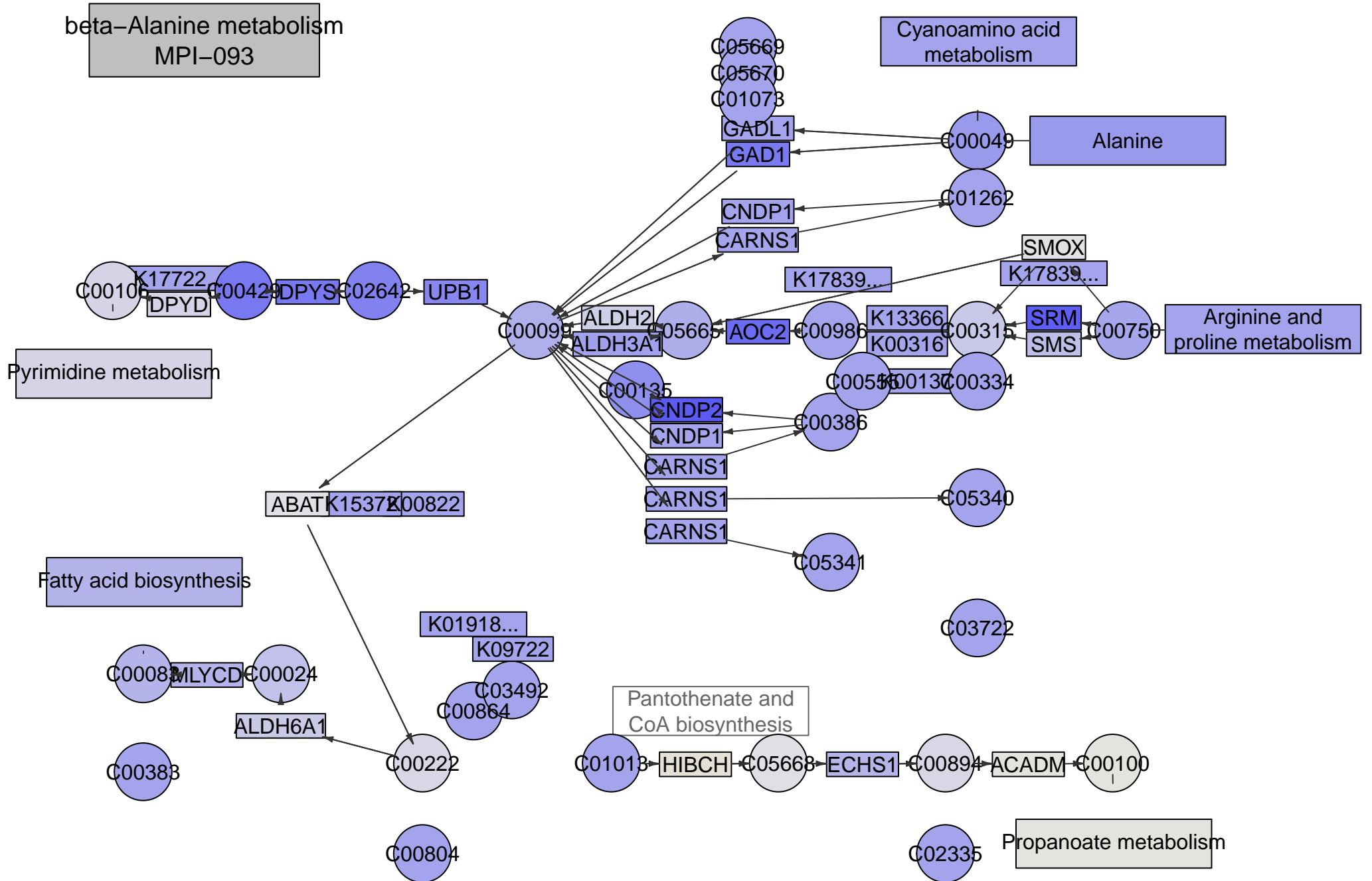


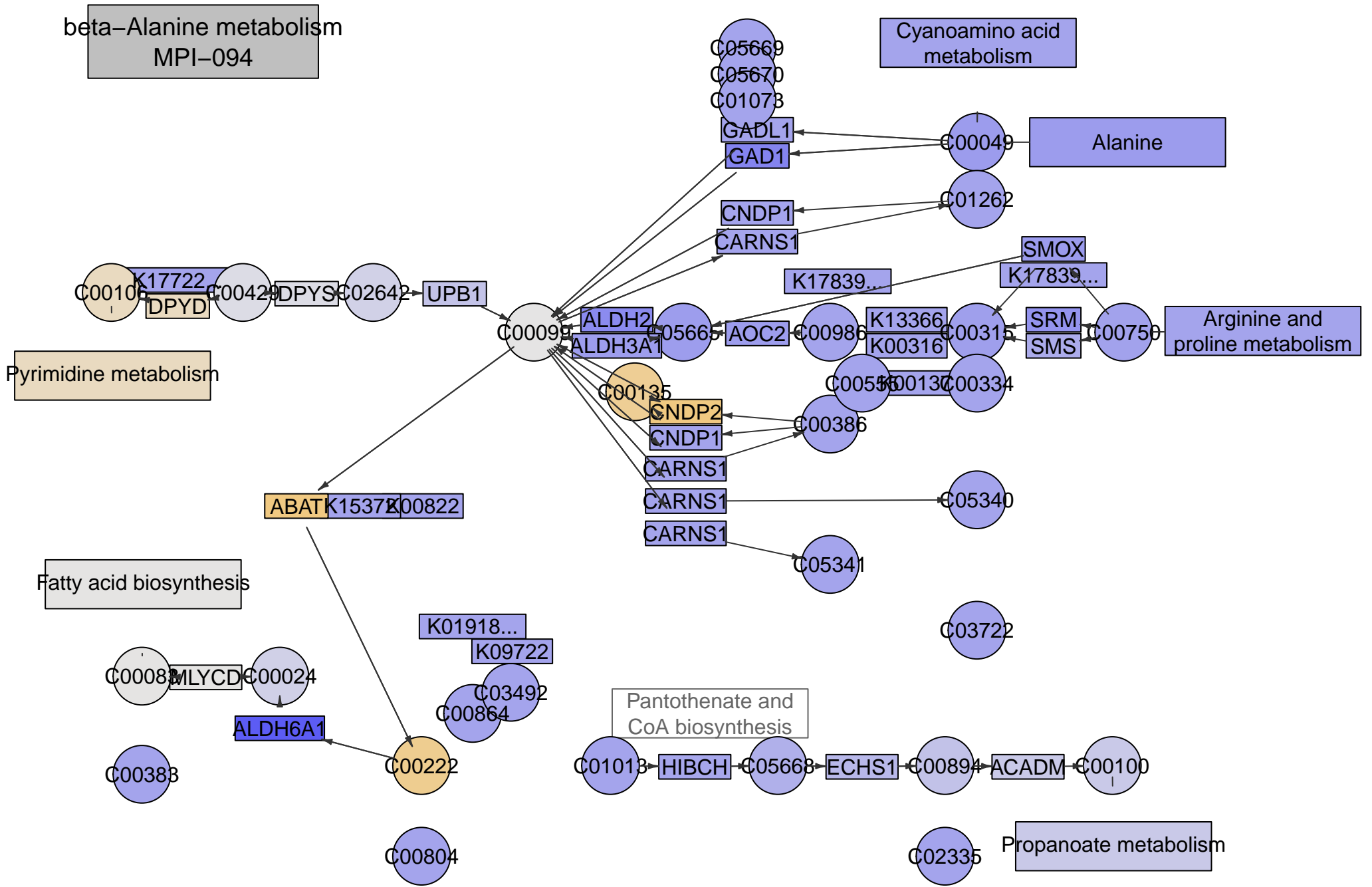


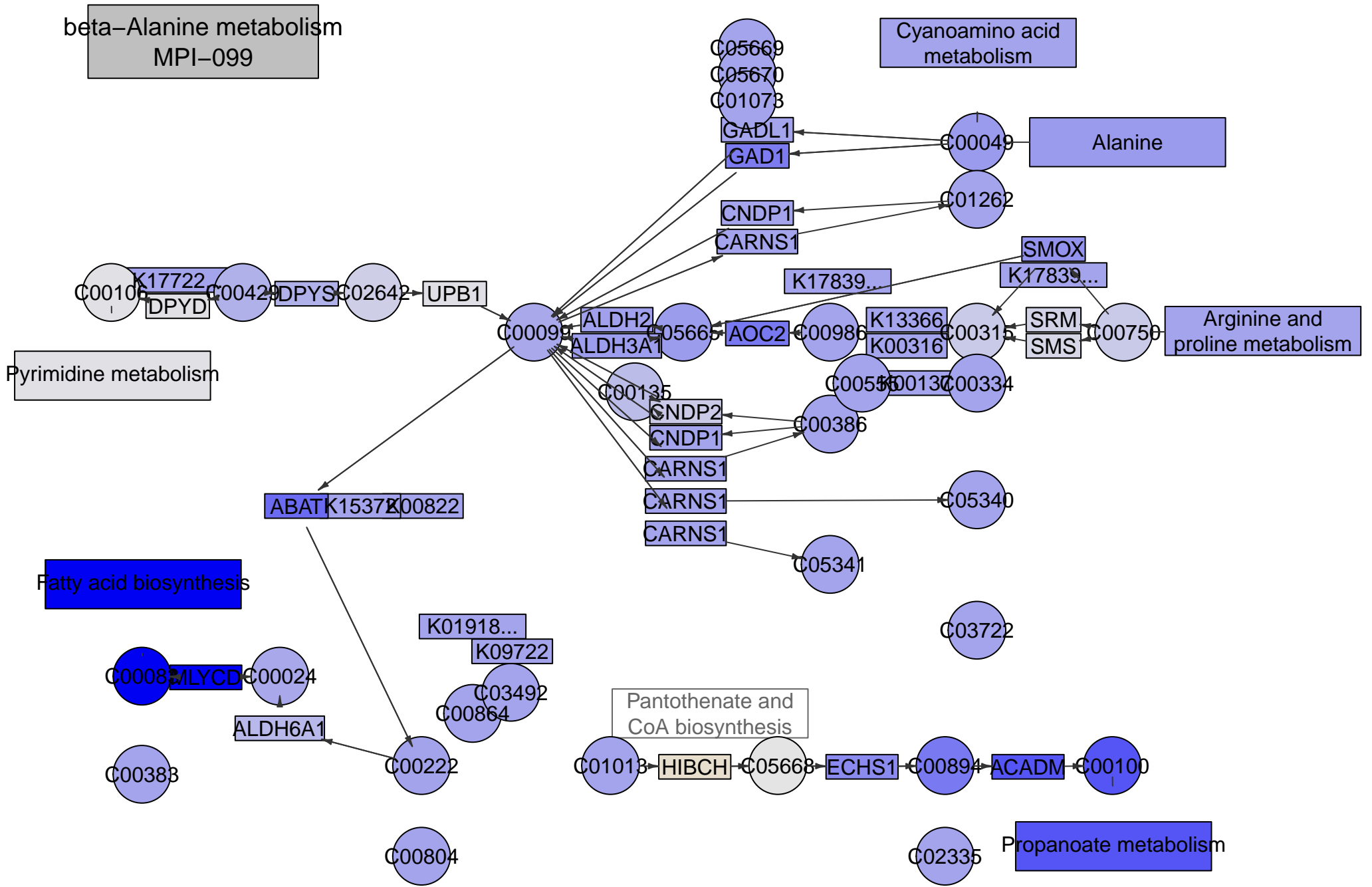


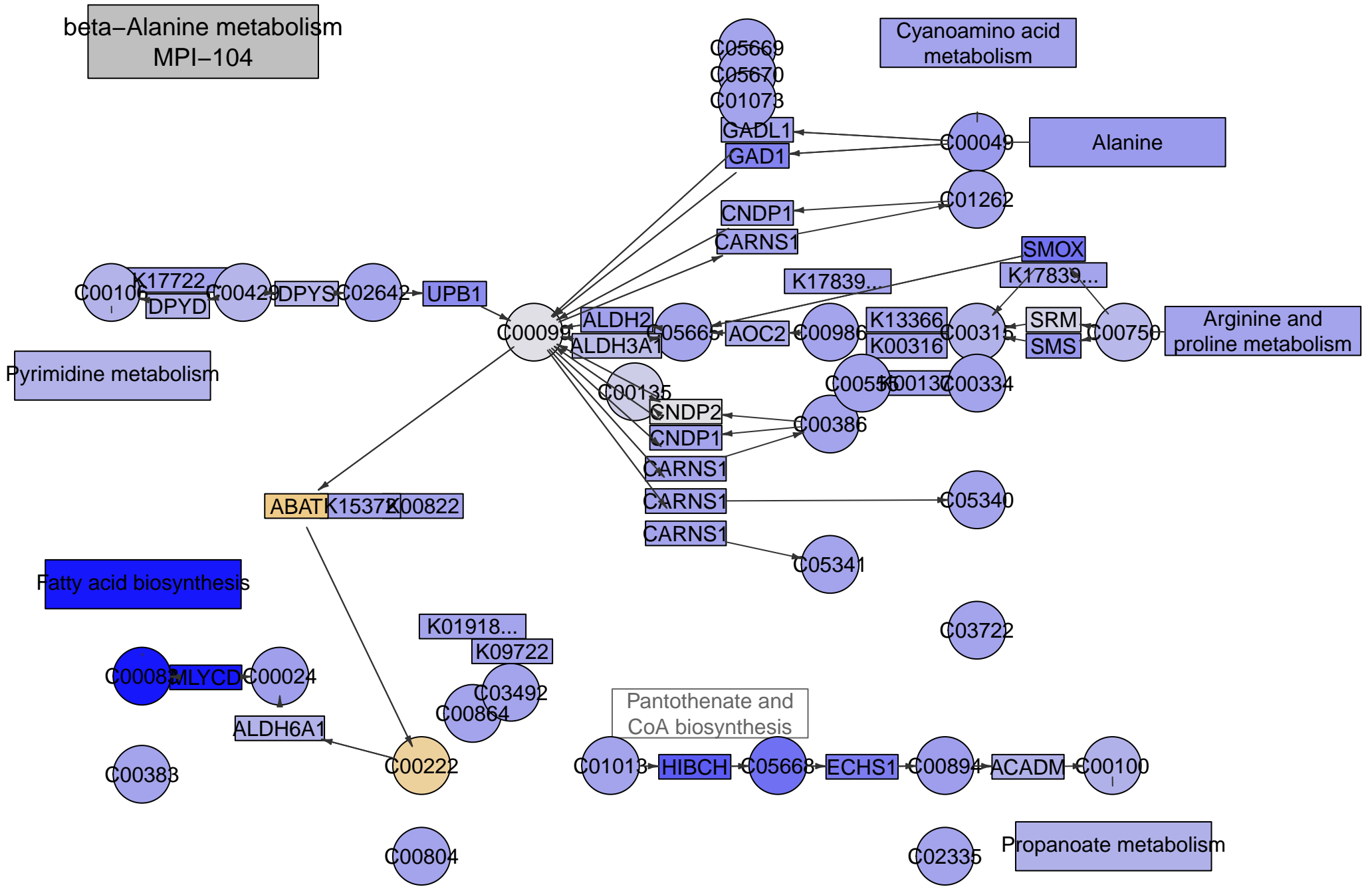


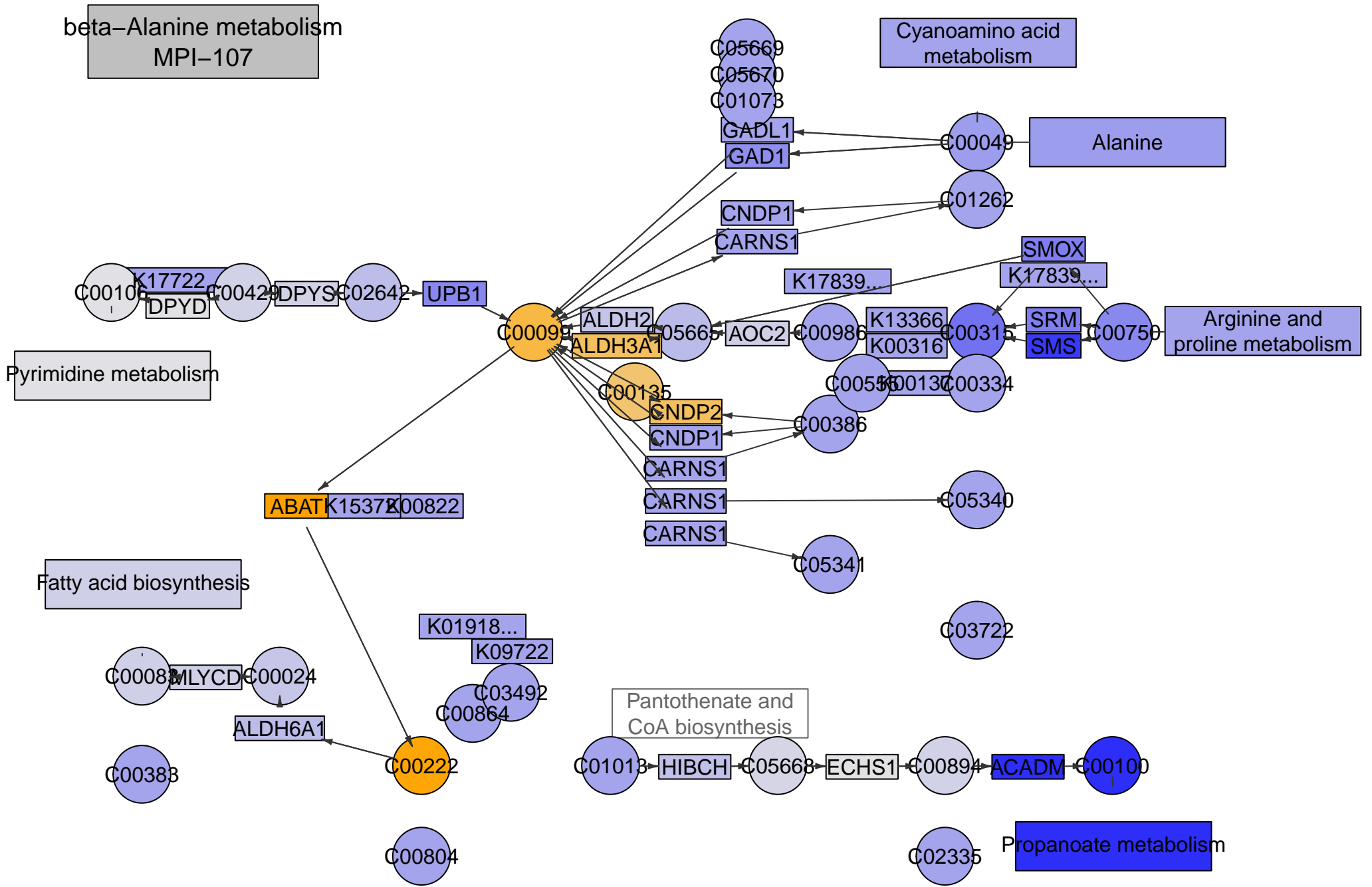


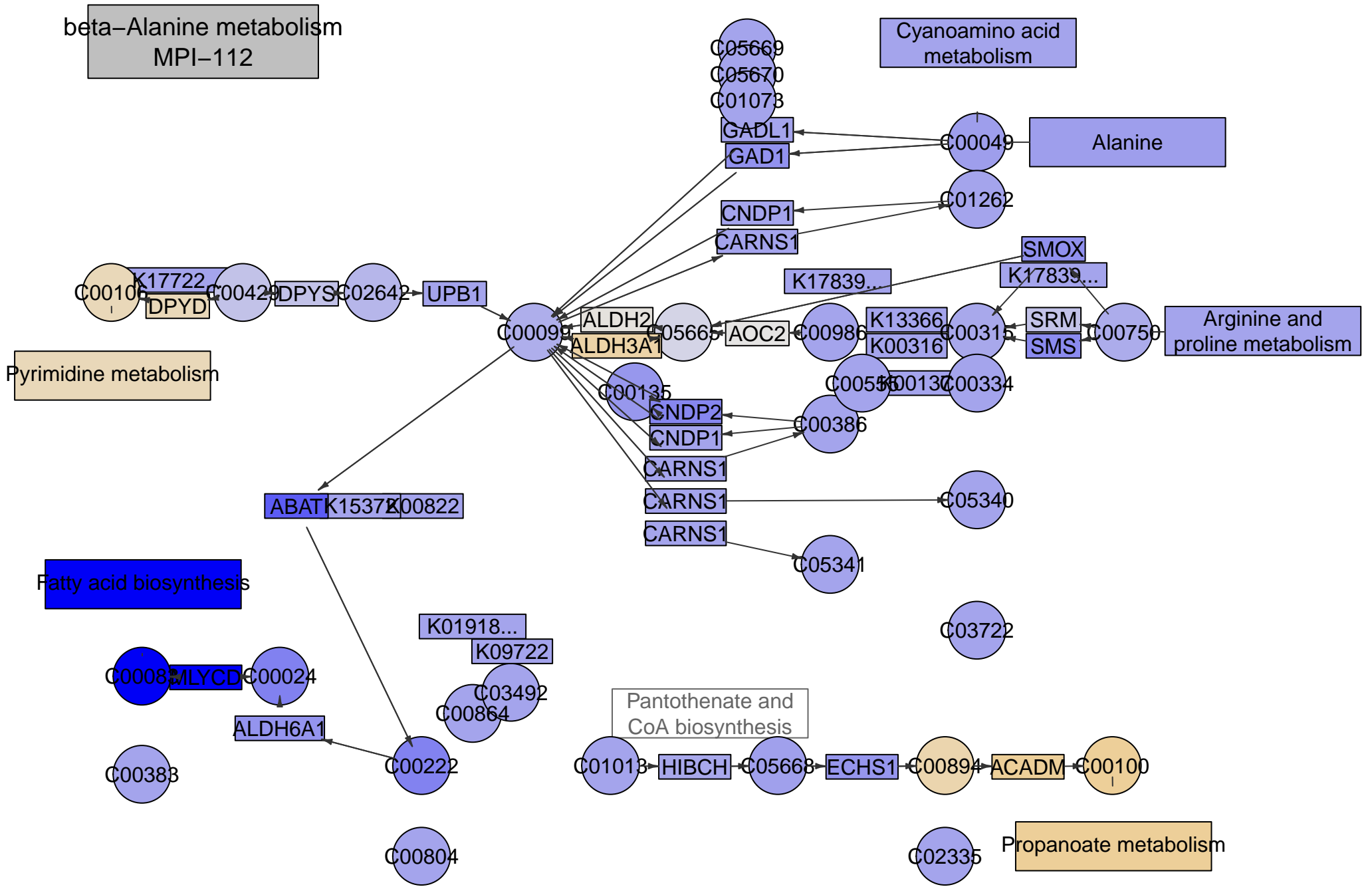


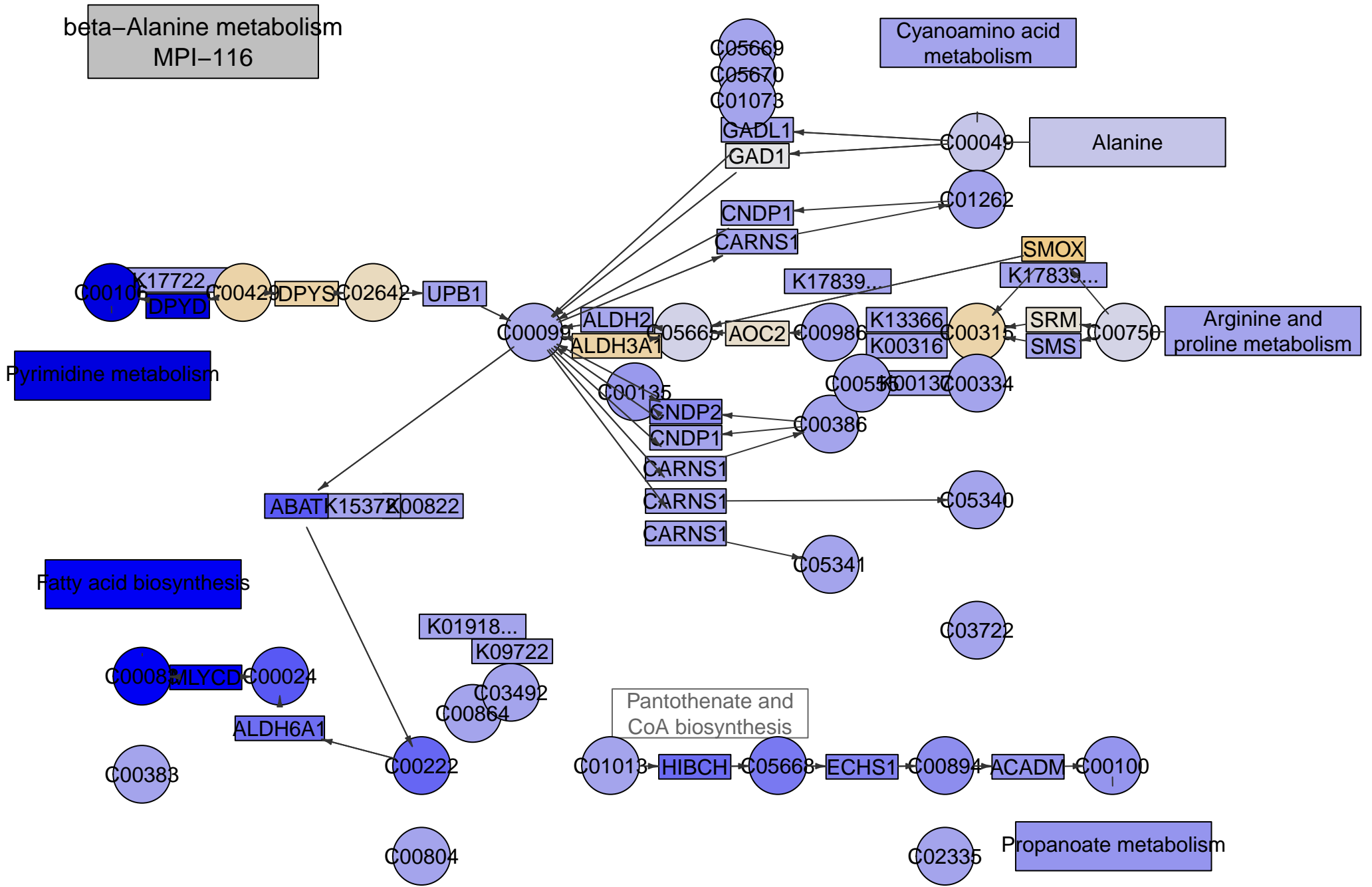


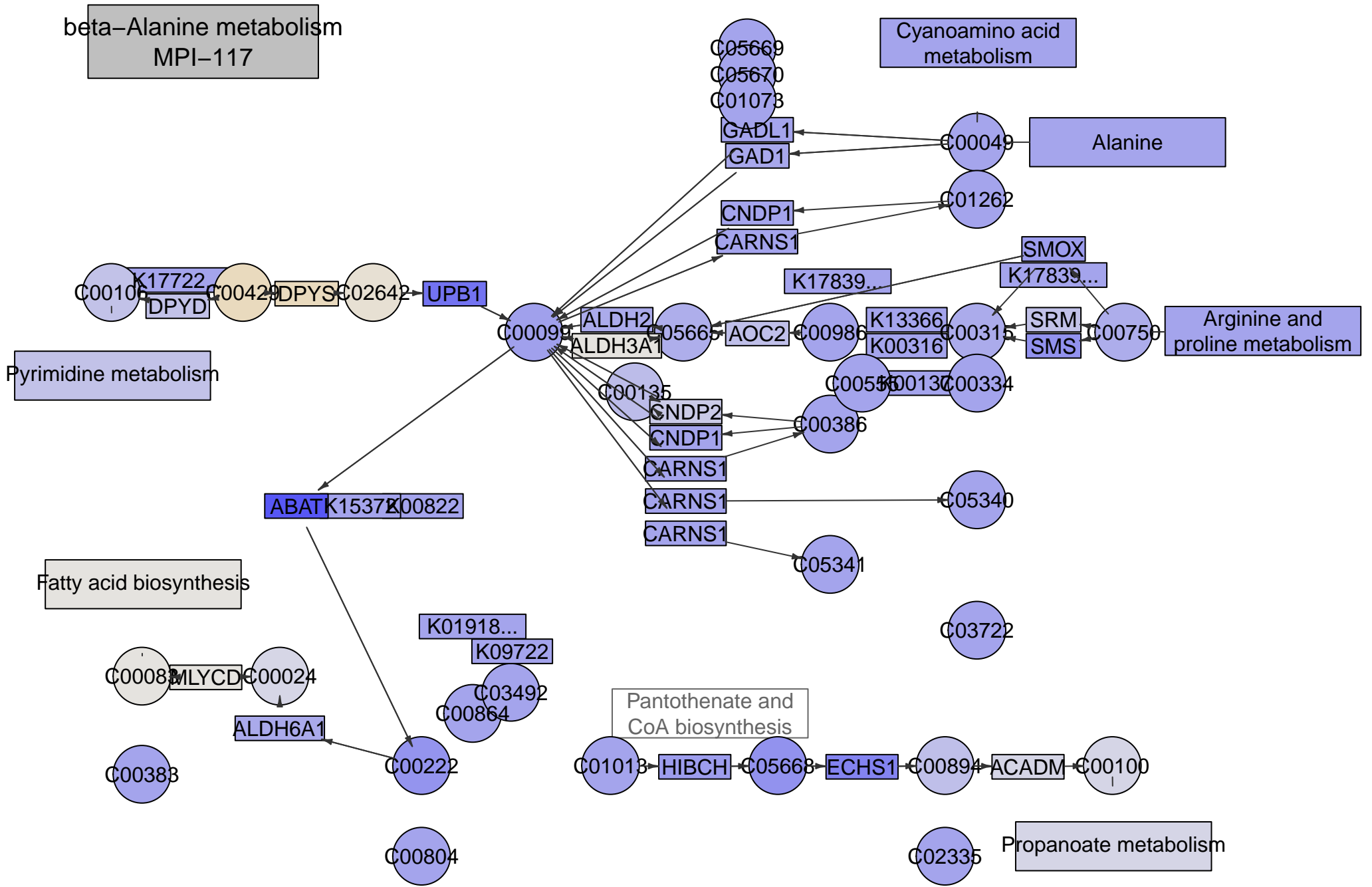


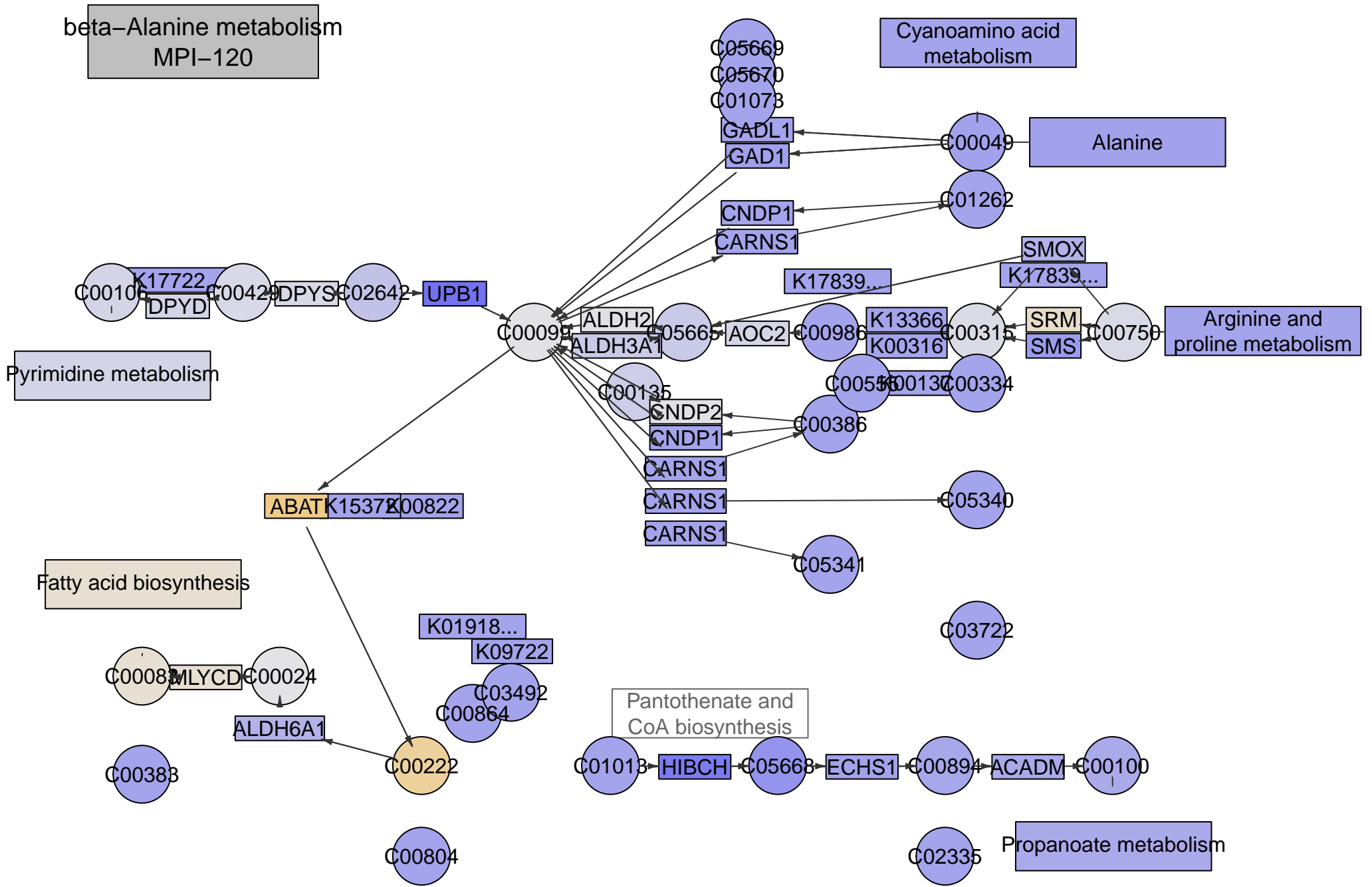


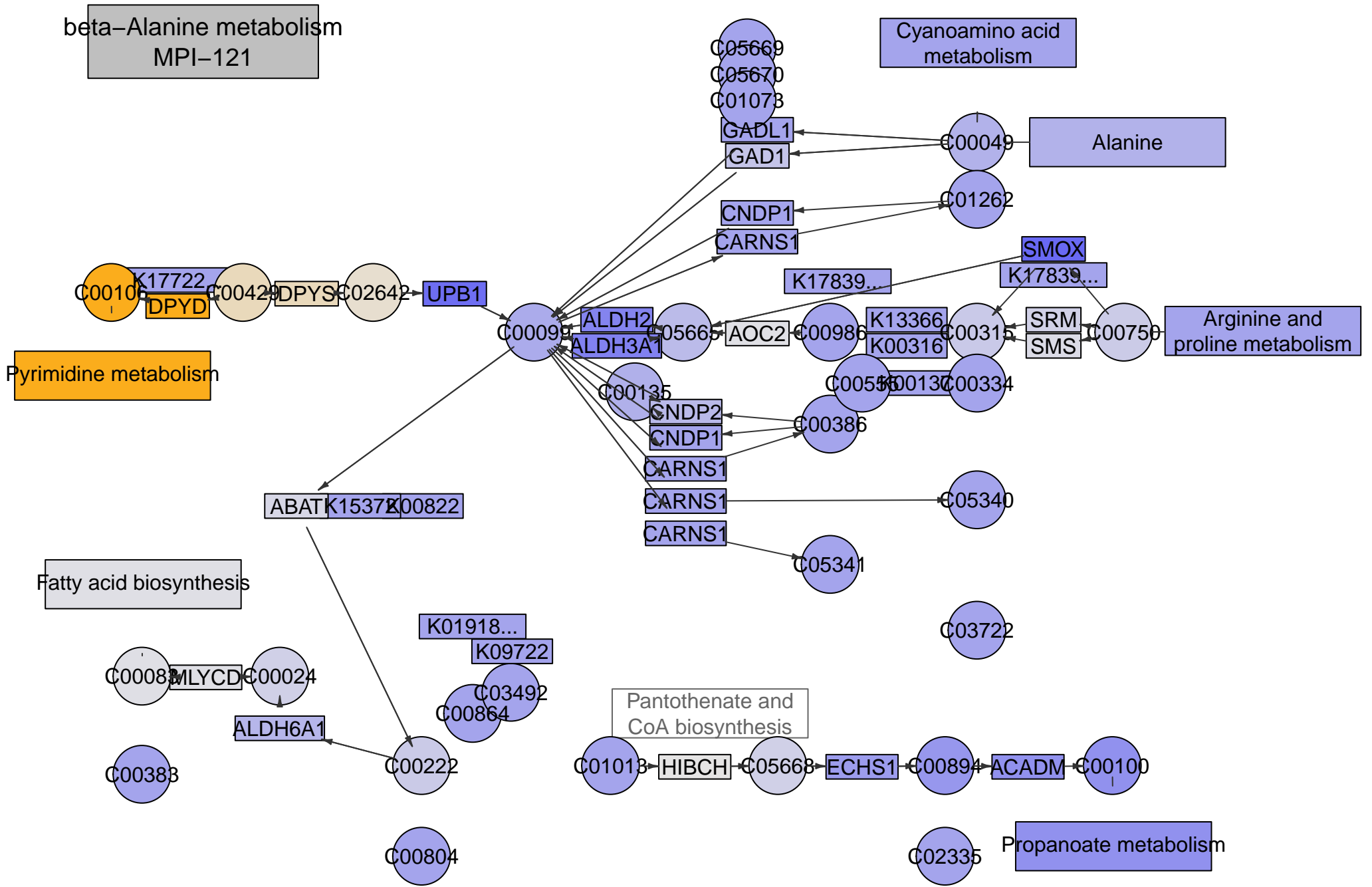












beta-Alanine metabolism
MPI-124

Cyanoamino acid metabolism

Alanine

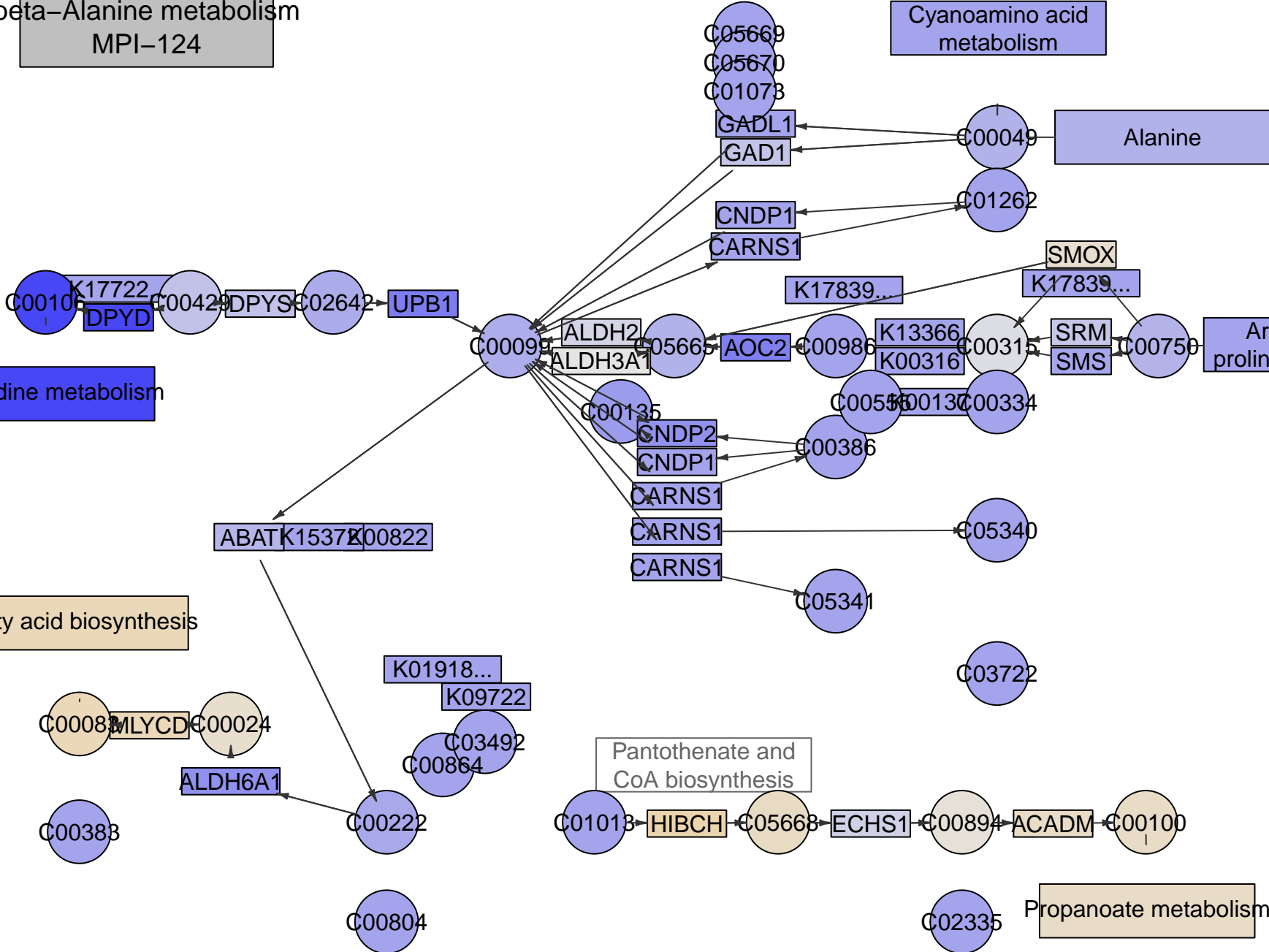
Arginine and proline metabolism

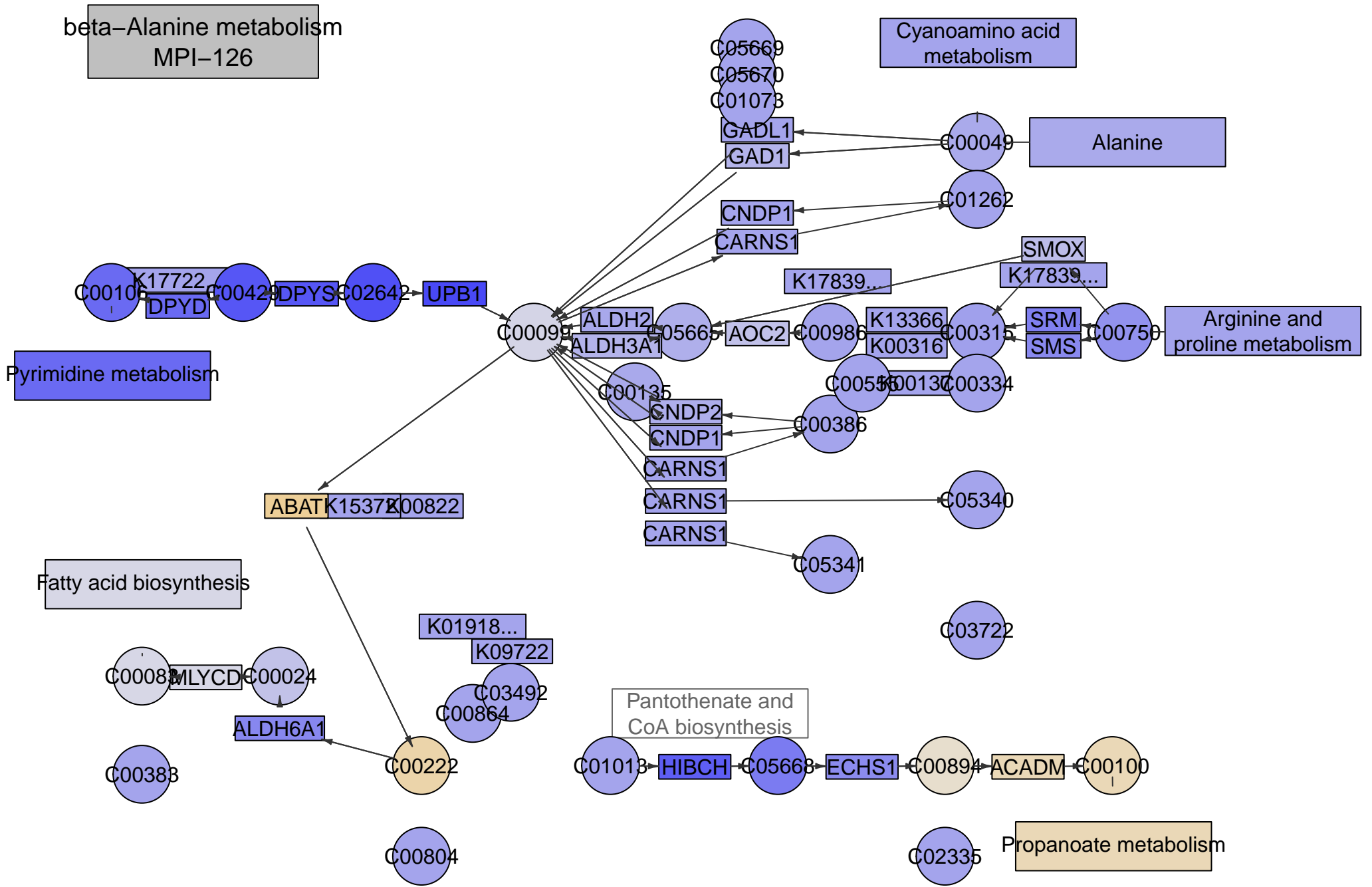
Pyrimidine metabolism

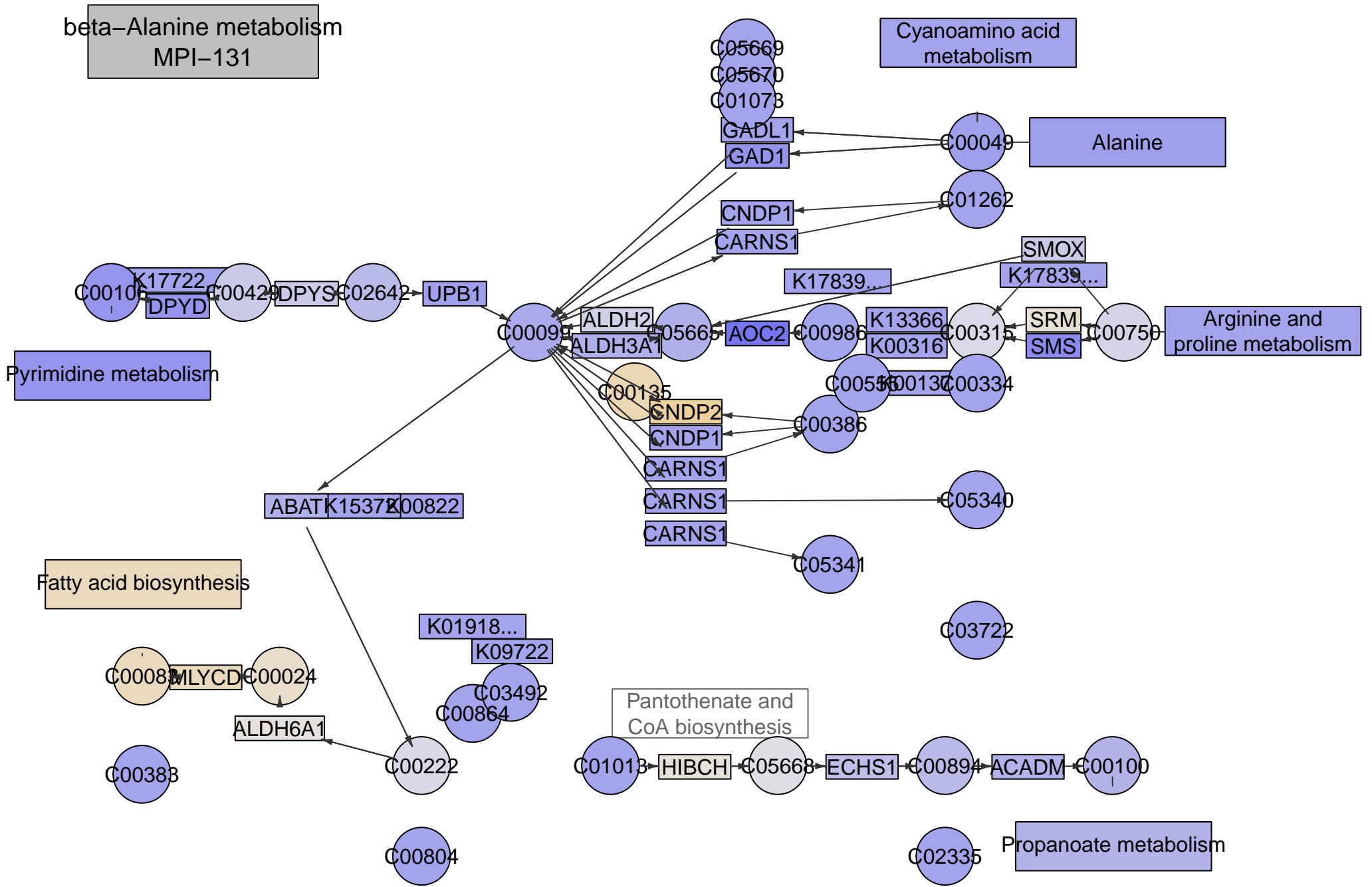
Fatty acid biosynthesis

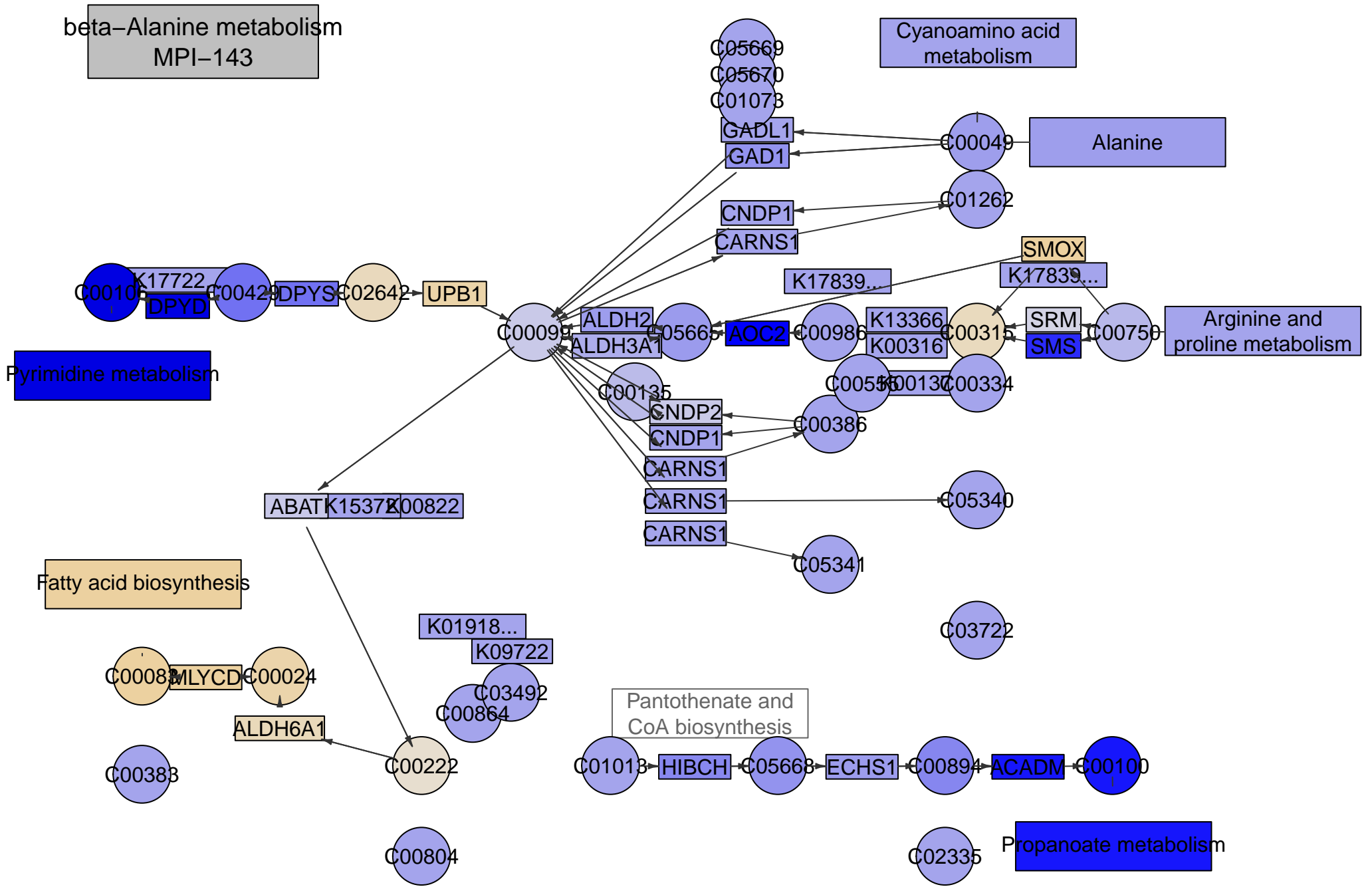
Pantothenate and CoA biosynthesis

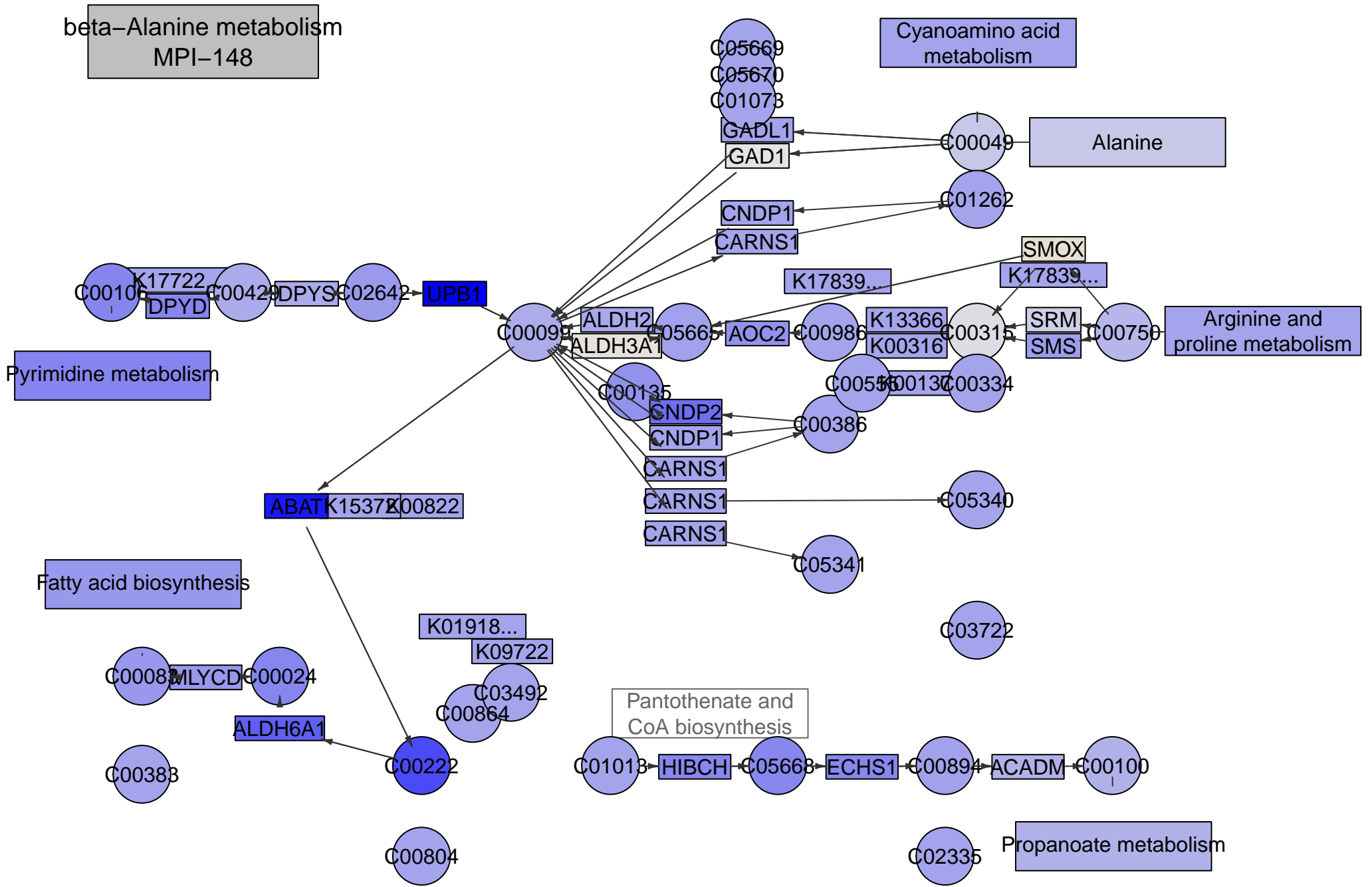
Propanoate metabolism

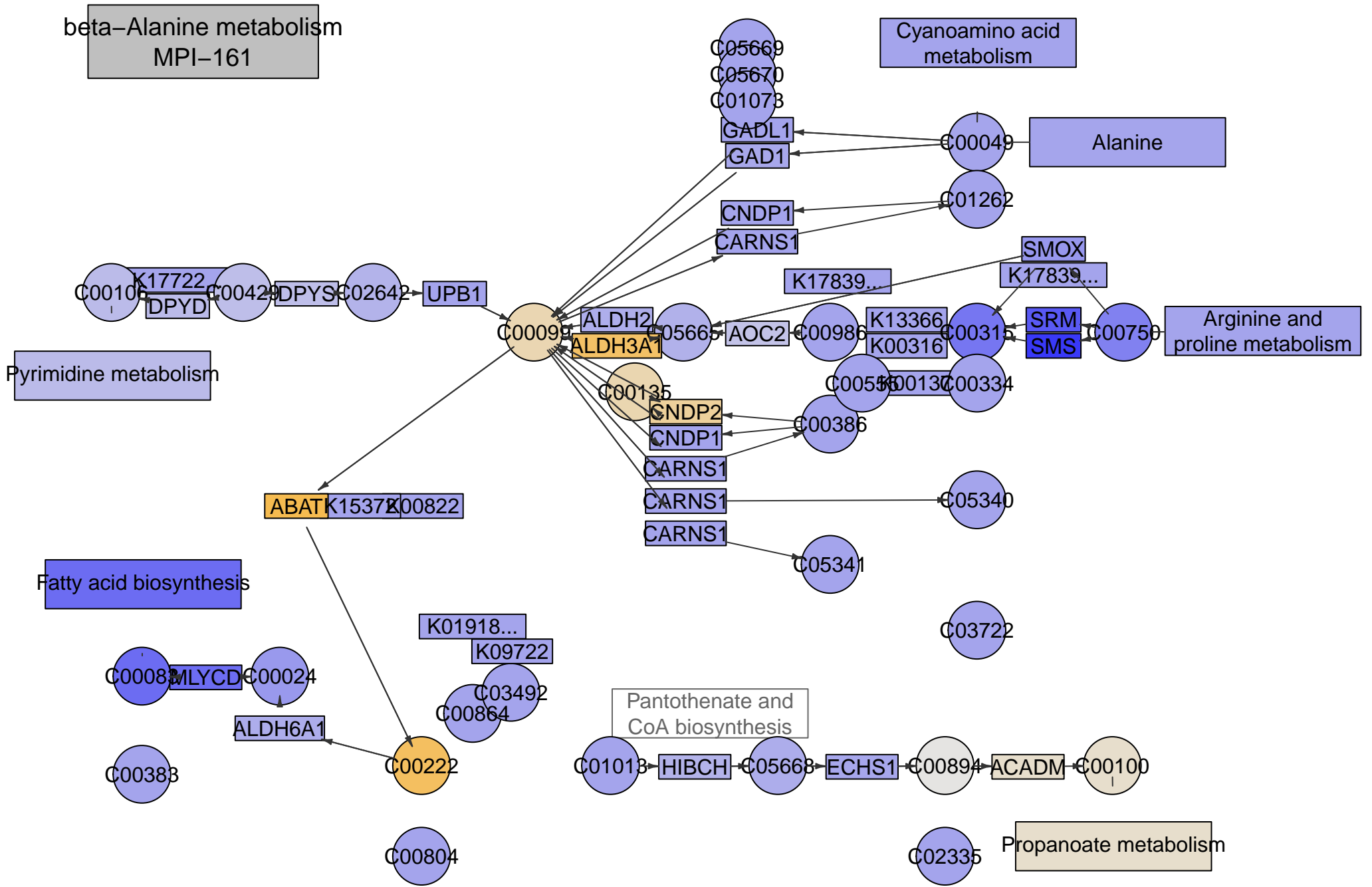


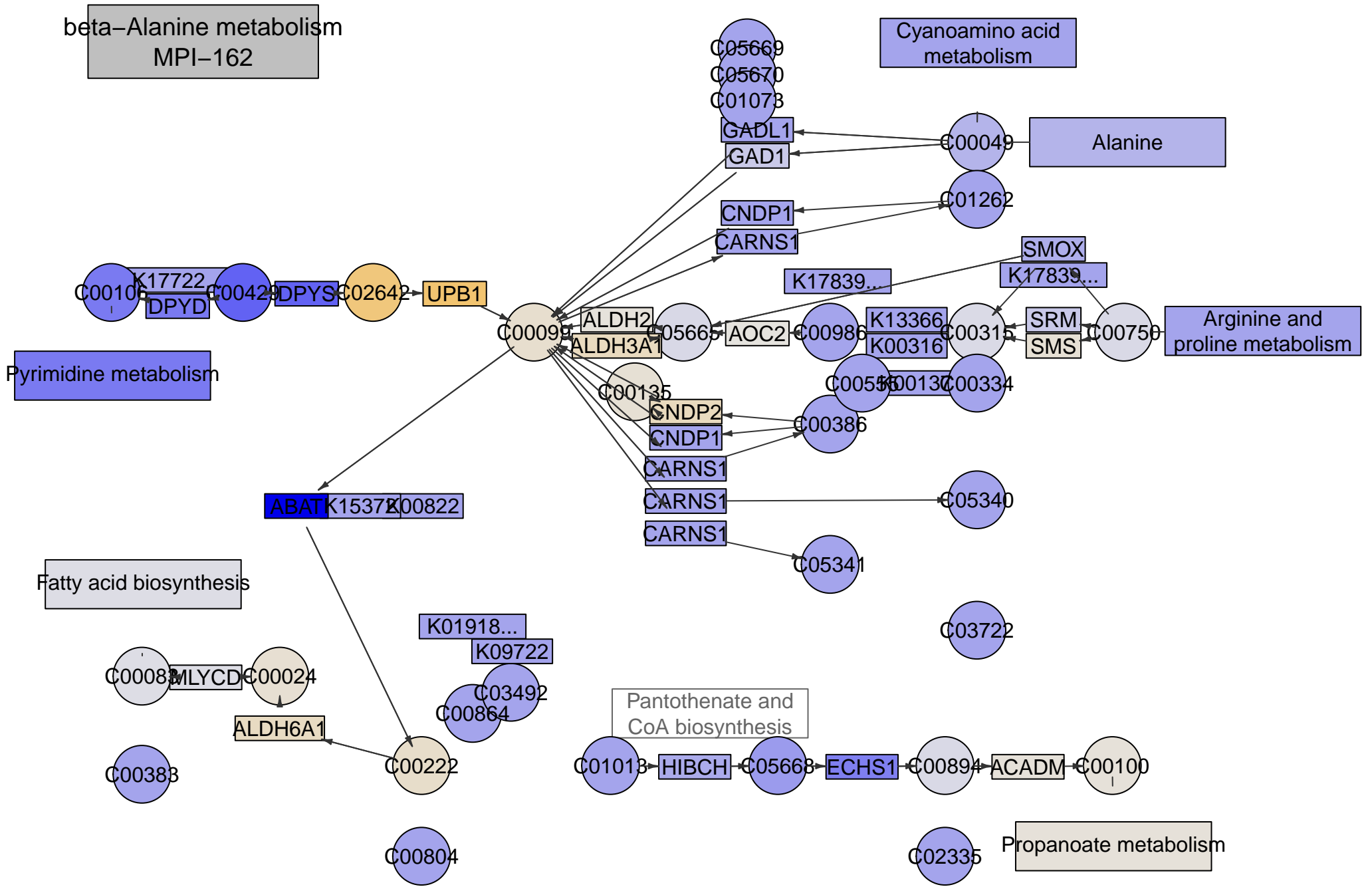


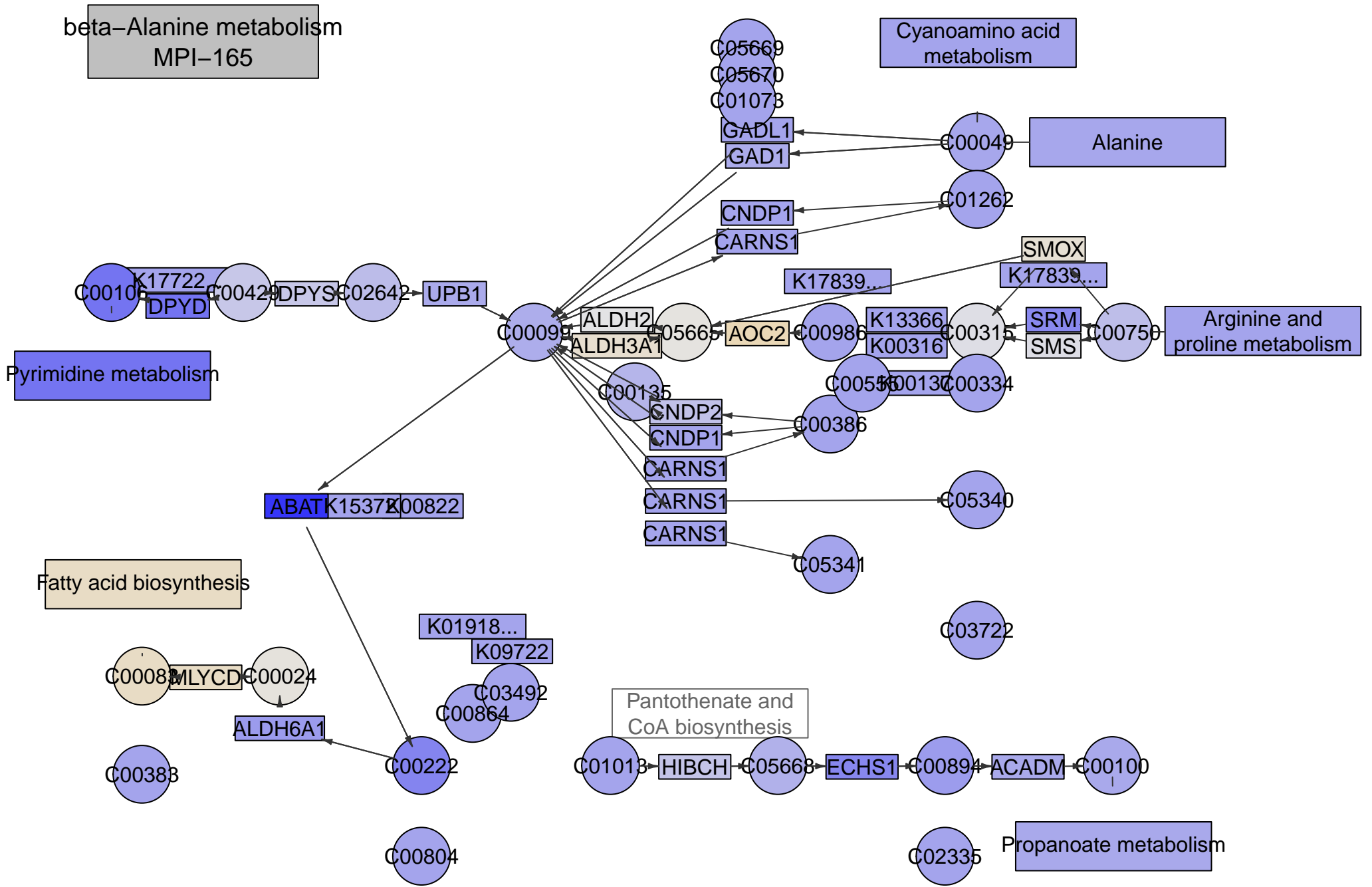


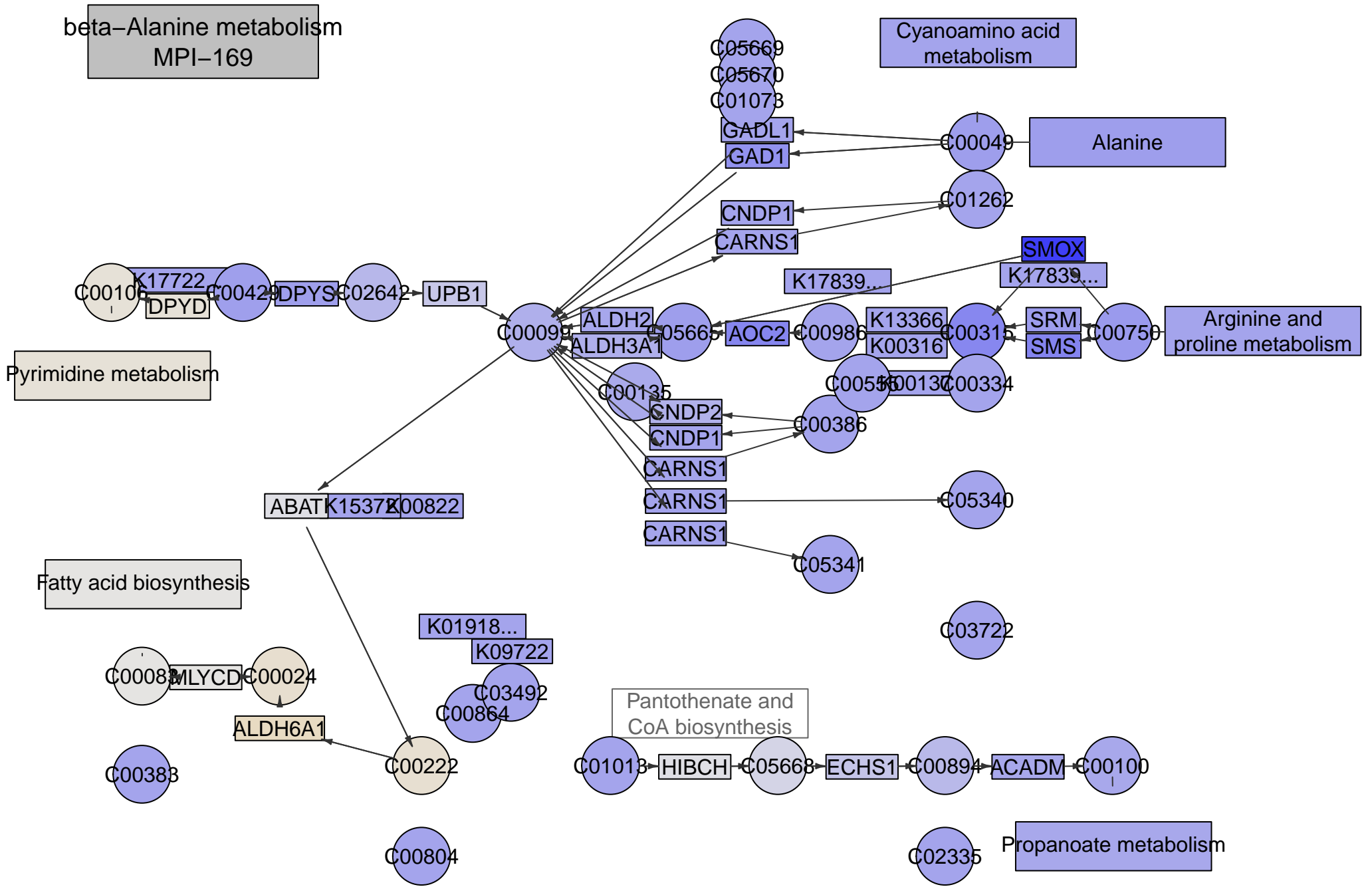












beta-Alanine metabolism
MPI-169

Cyanoamino acid
metabolism

Alanine

Arginine and
proline metabolism

Pyrimidine metabolism

Fatty acid biosynthesis

Pantothenate and
CoA biosynthesis

Propanoate metabolism

C00106
K17722
DPYD

C00429
DPYS

C02642
UPB1

C00095
ALDH2
ALDH3A1

C05665
AOC2

K17839...

C00986
K13366
K00316

C00315
SRM
SMS

C00759

C00135
CNDP2
CNDP1

C00386

C00550
C00130
C00334

ABAT
K15372
K00822

CARNS1
CARNS1
CARNS1

C05340

C05341

K01918...
K09722

C00083
MLYCD

C00024

C03492
C00864

ALDH6A1

C00222

C01013
HIBCH

C05668
ECHS1

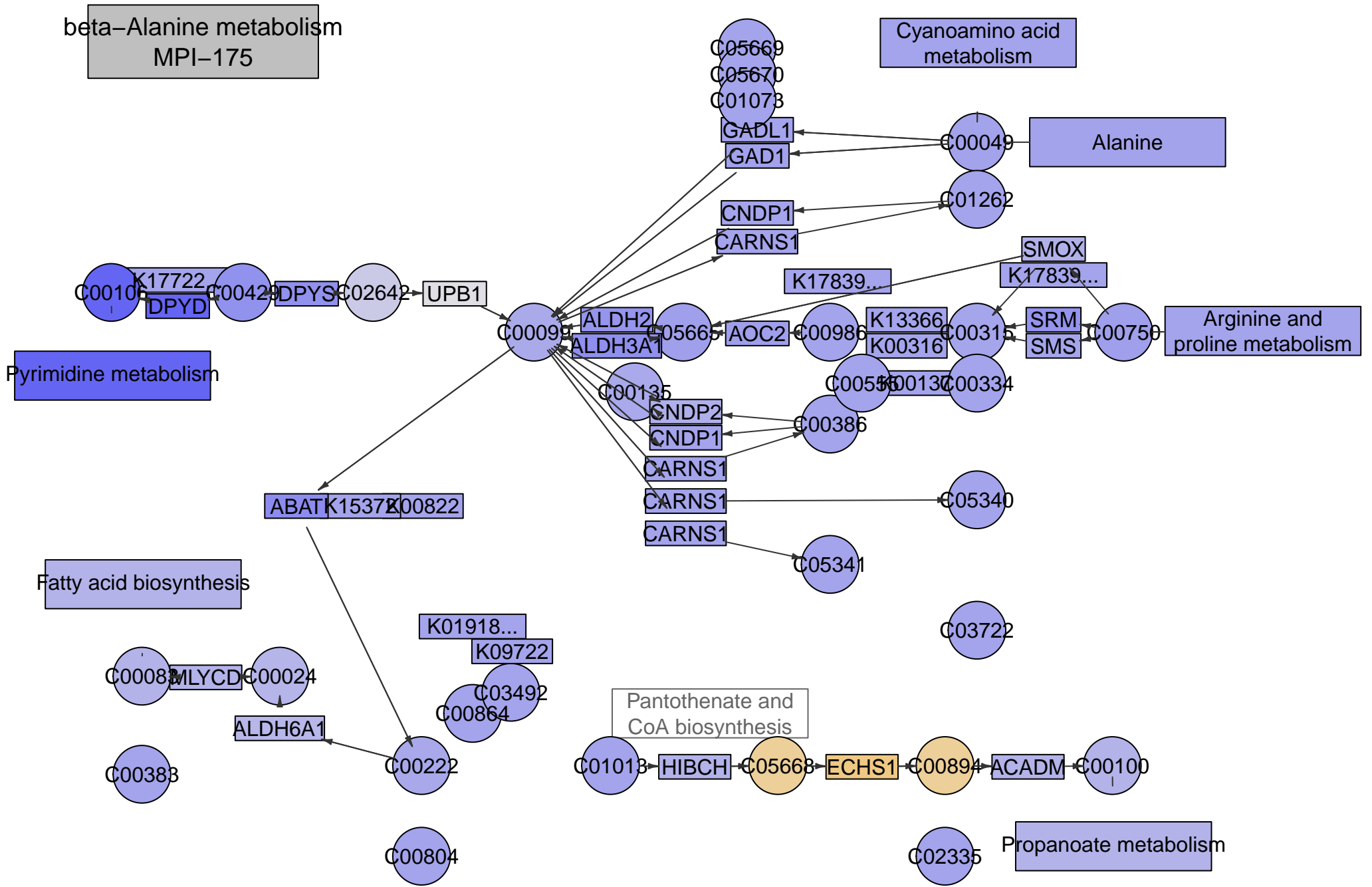
C00894
ACADM

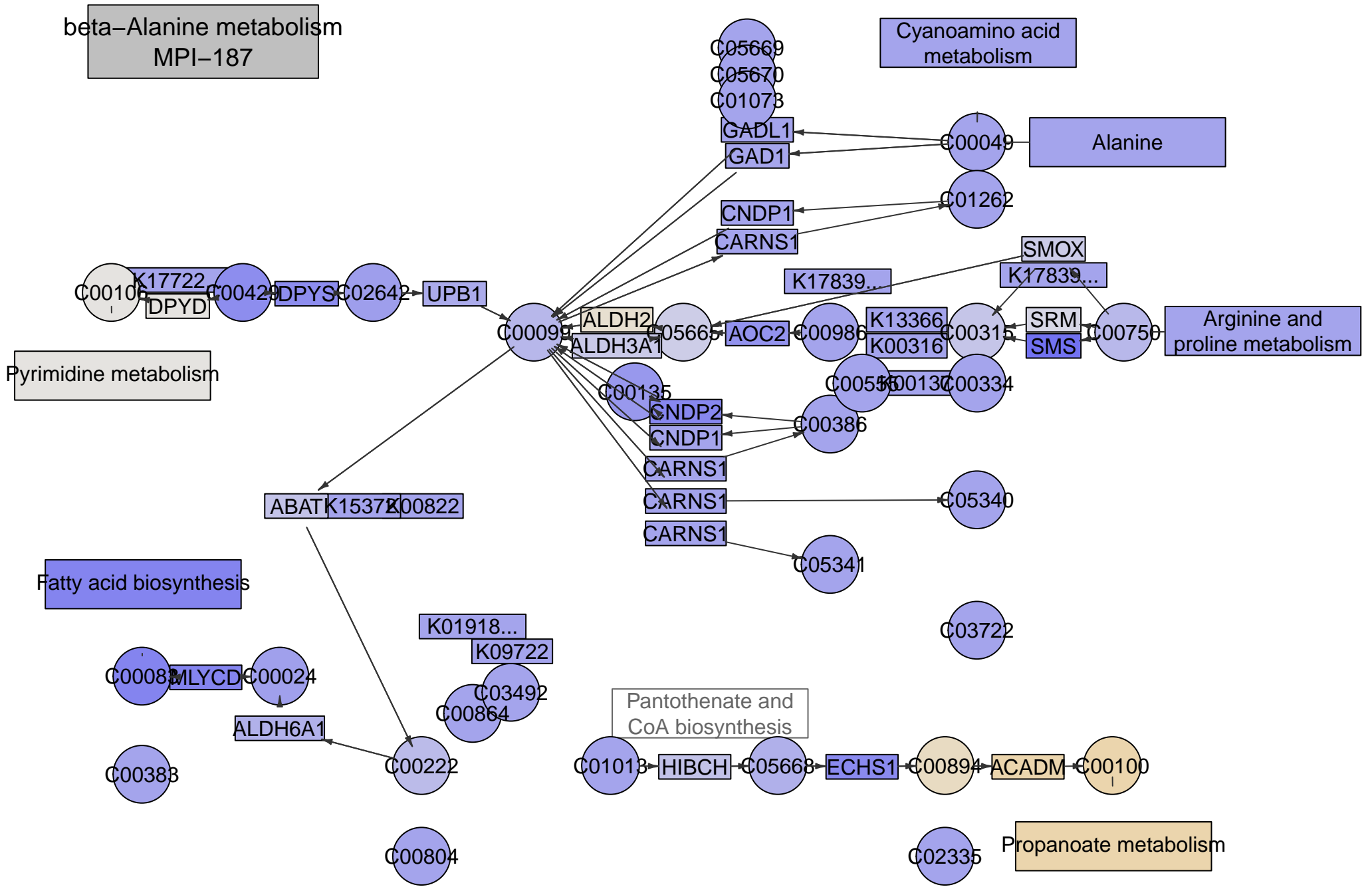
C00100

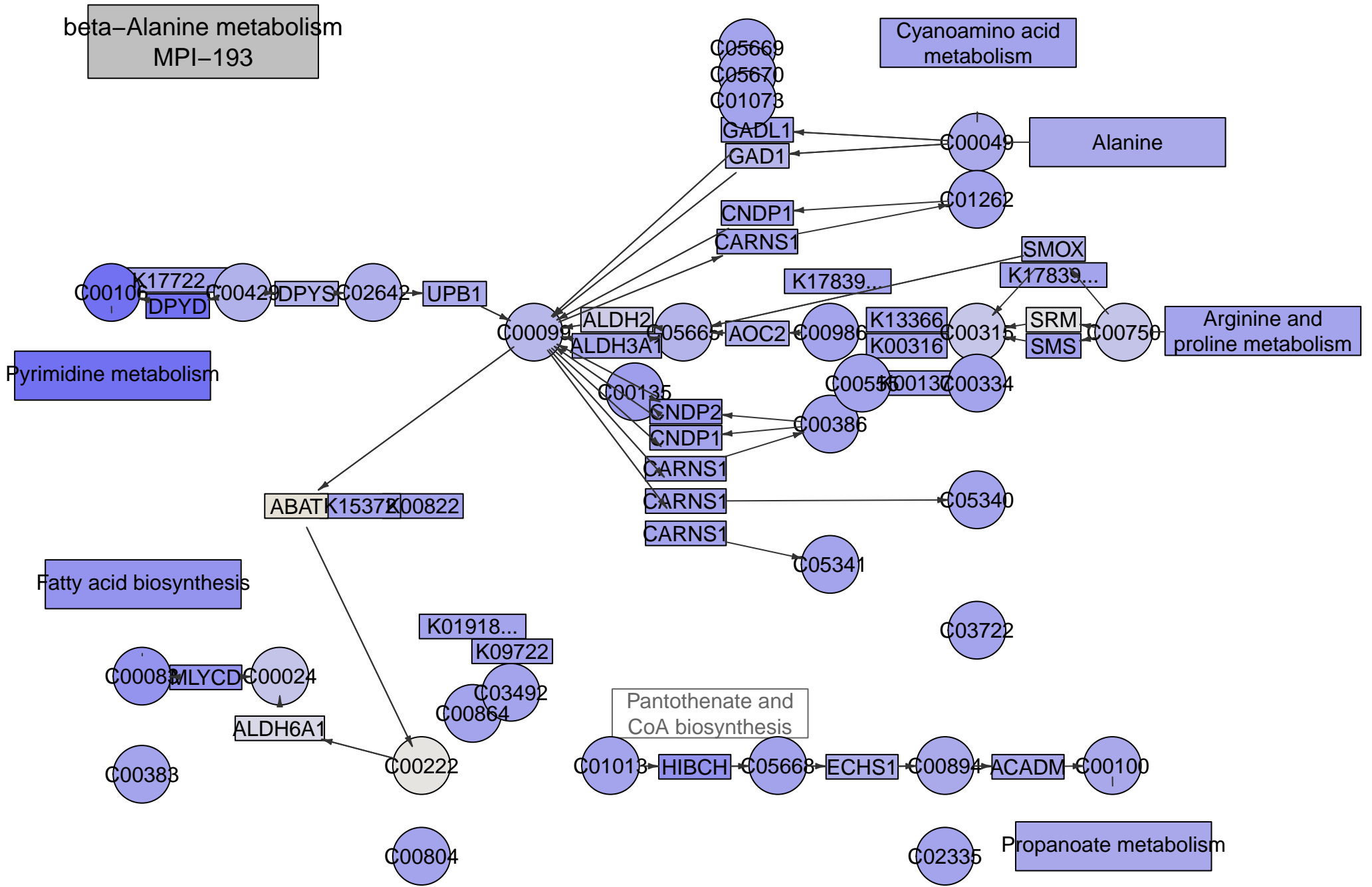
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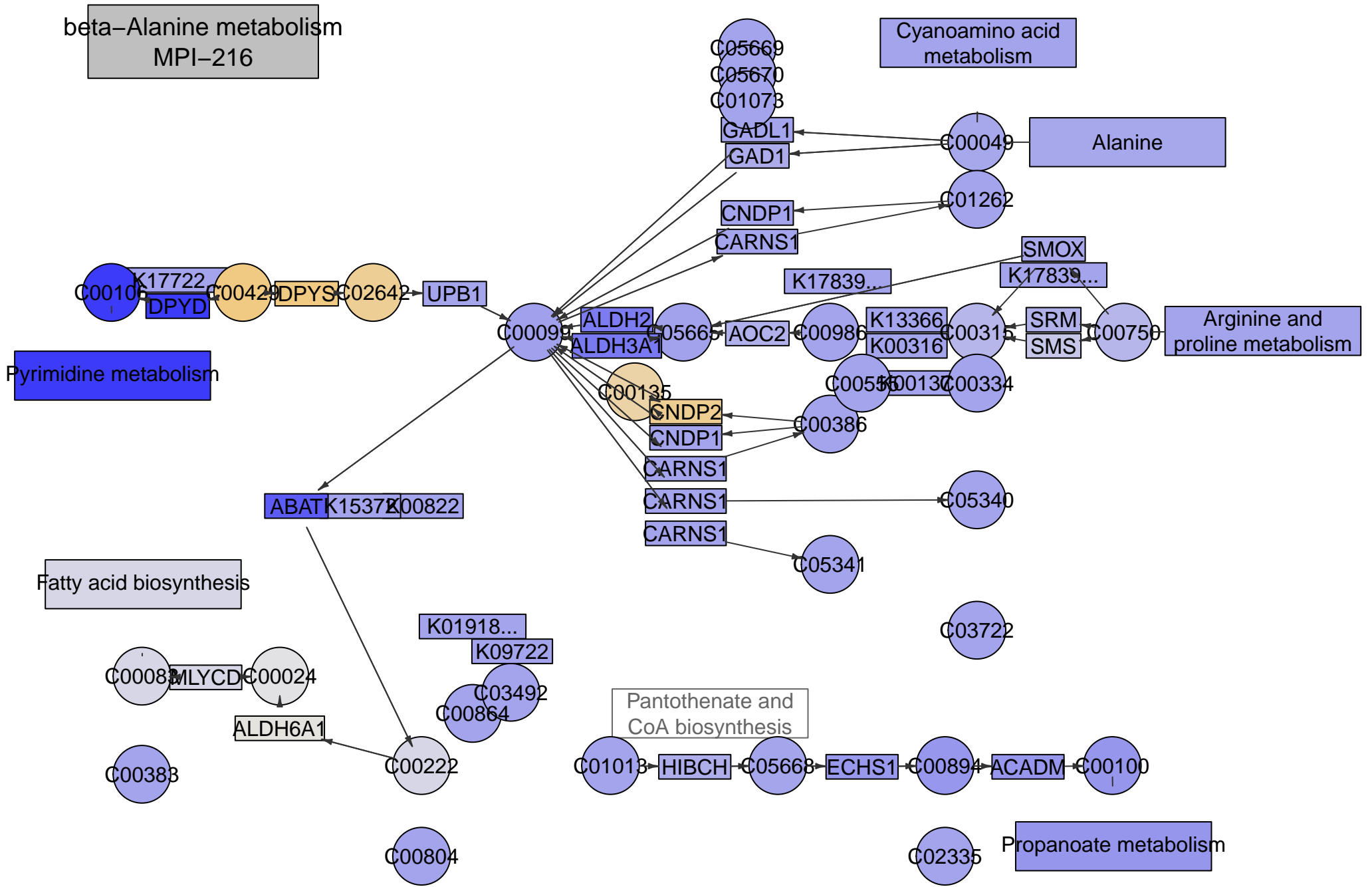
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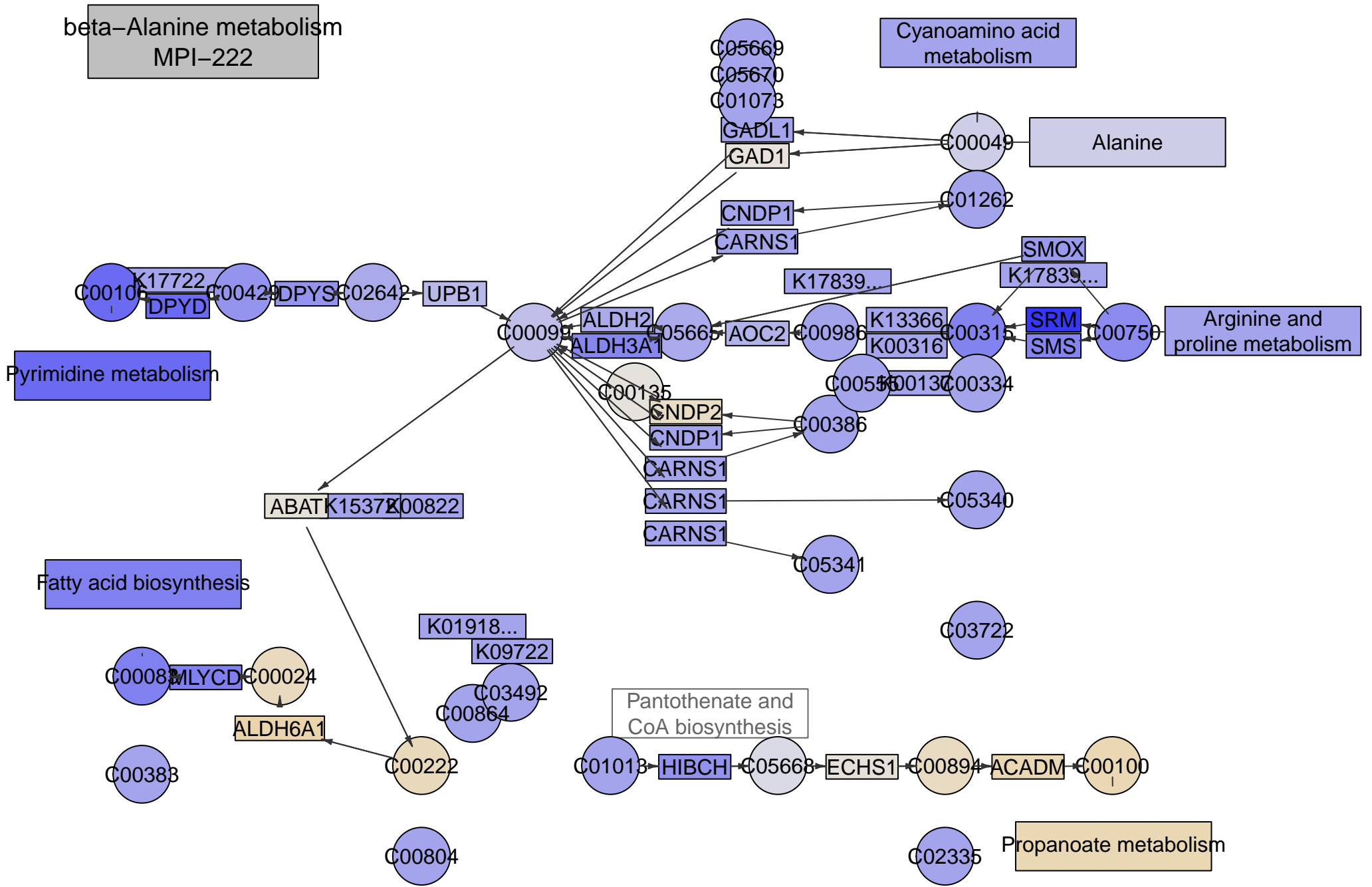
C02335

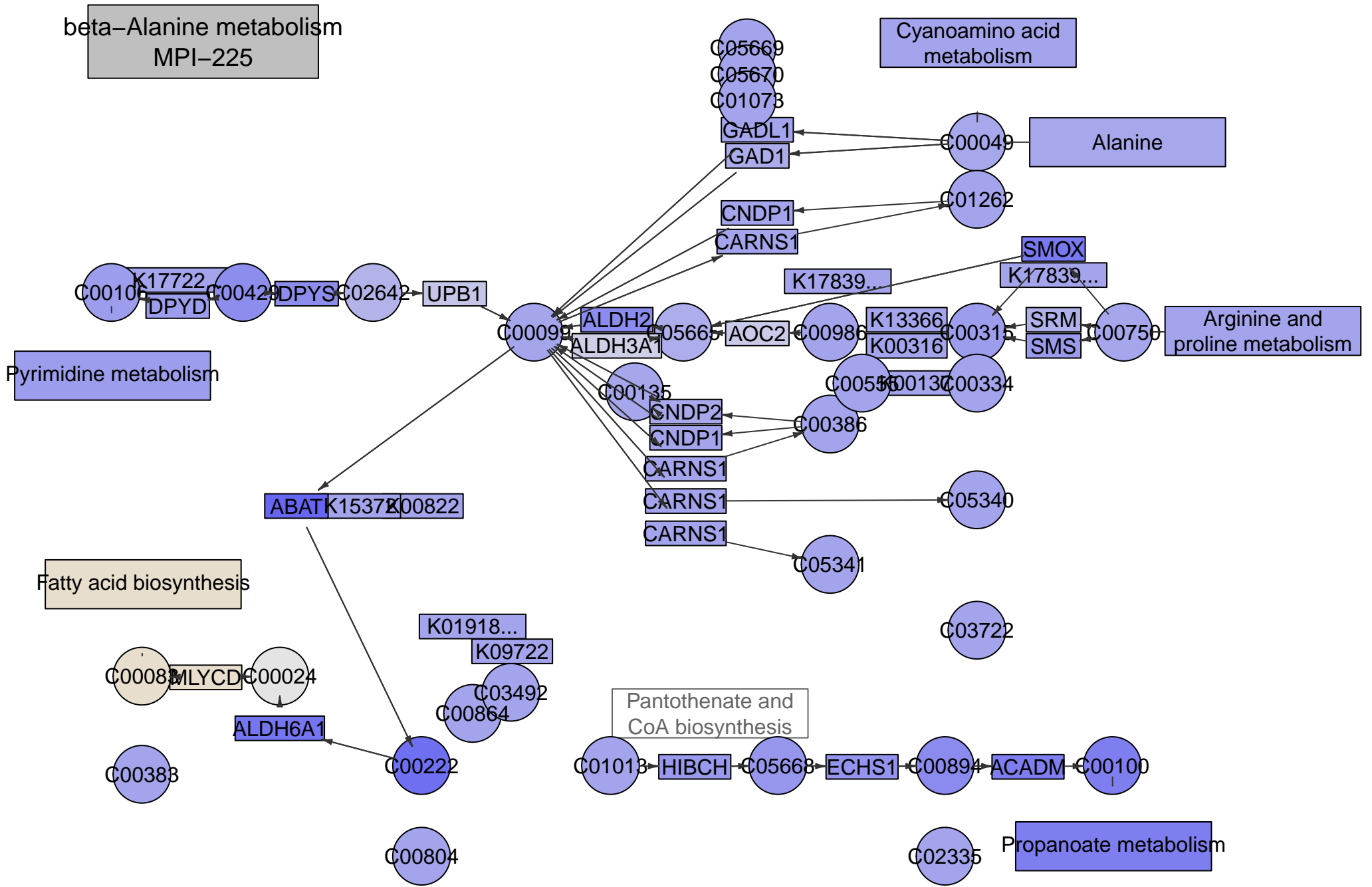


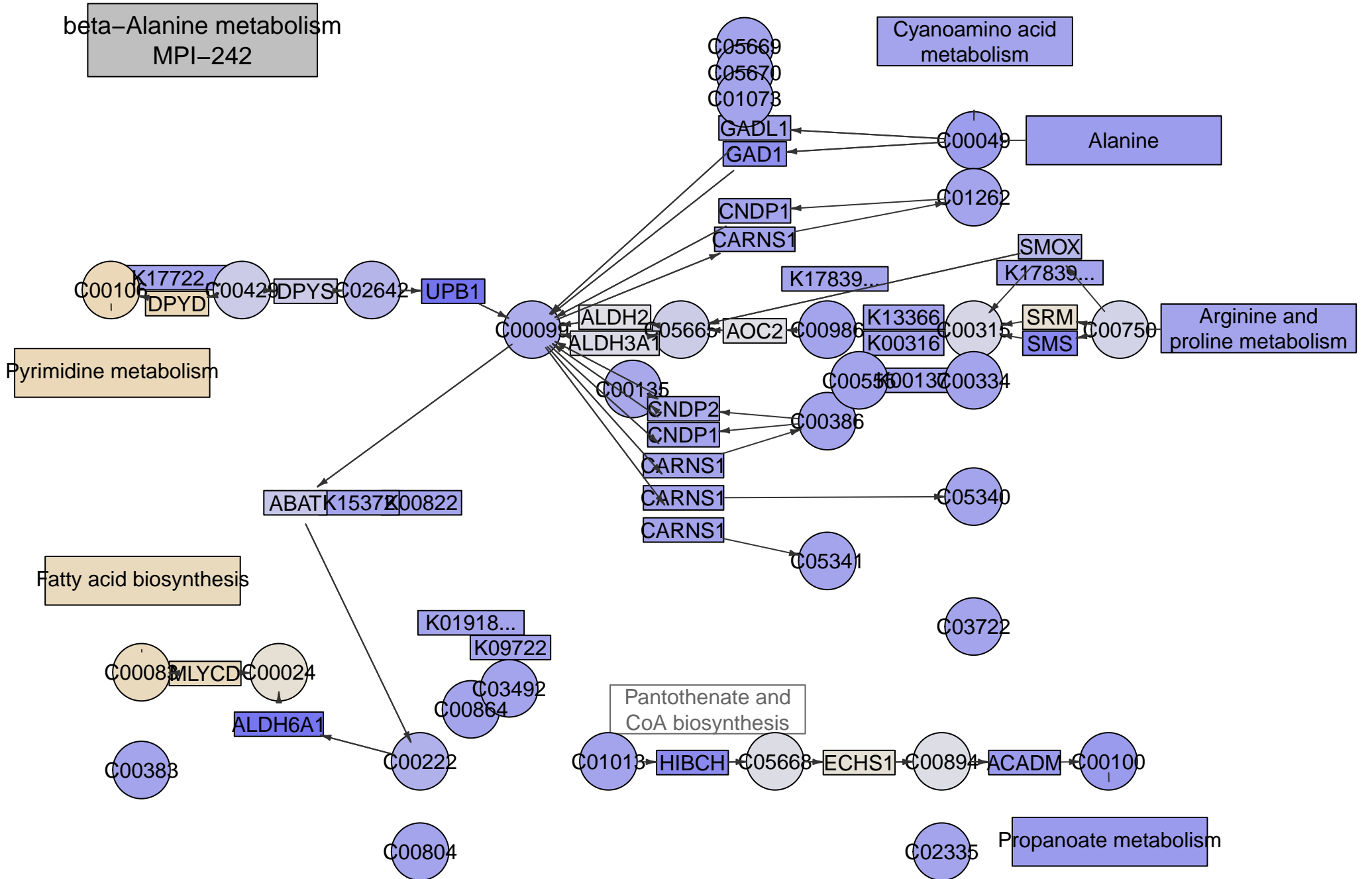


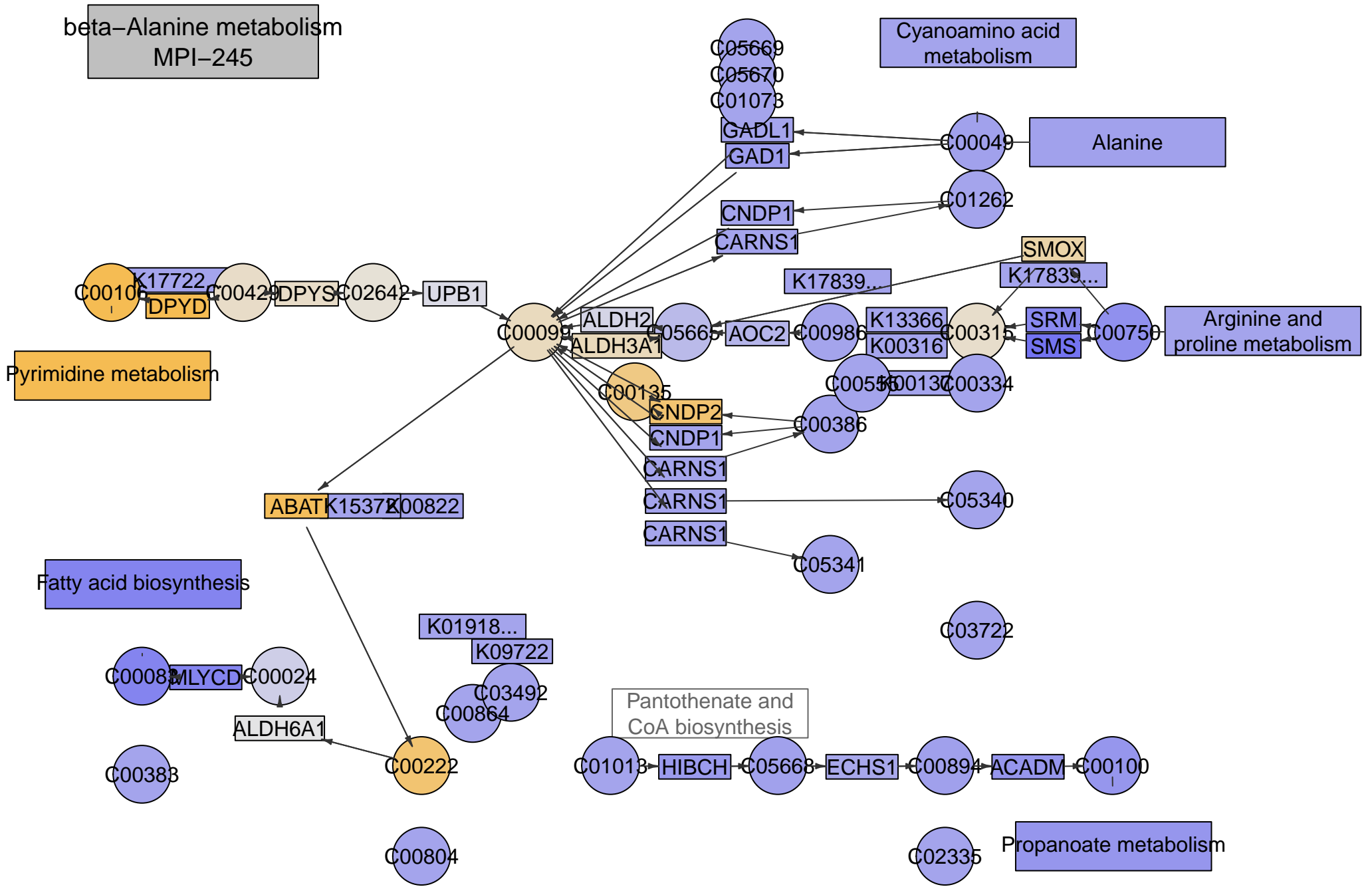


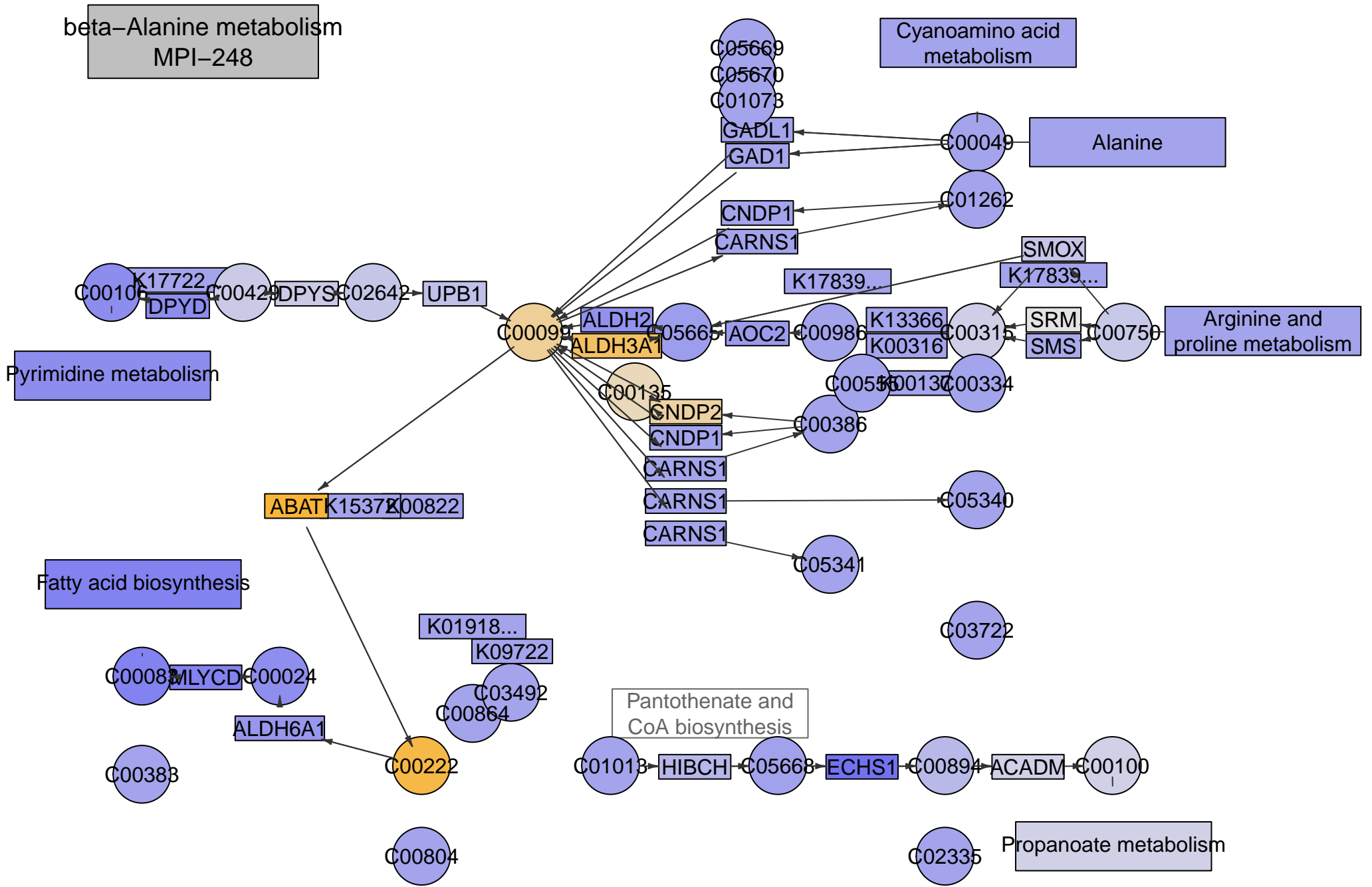


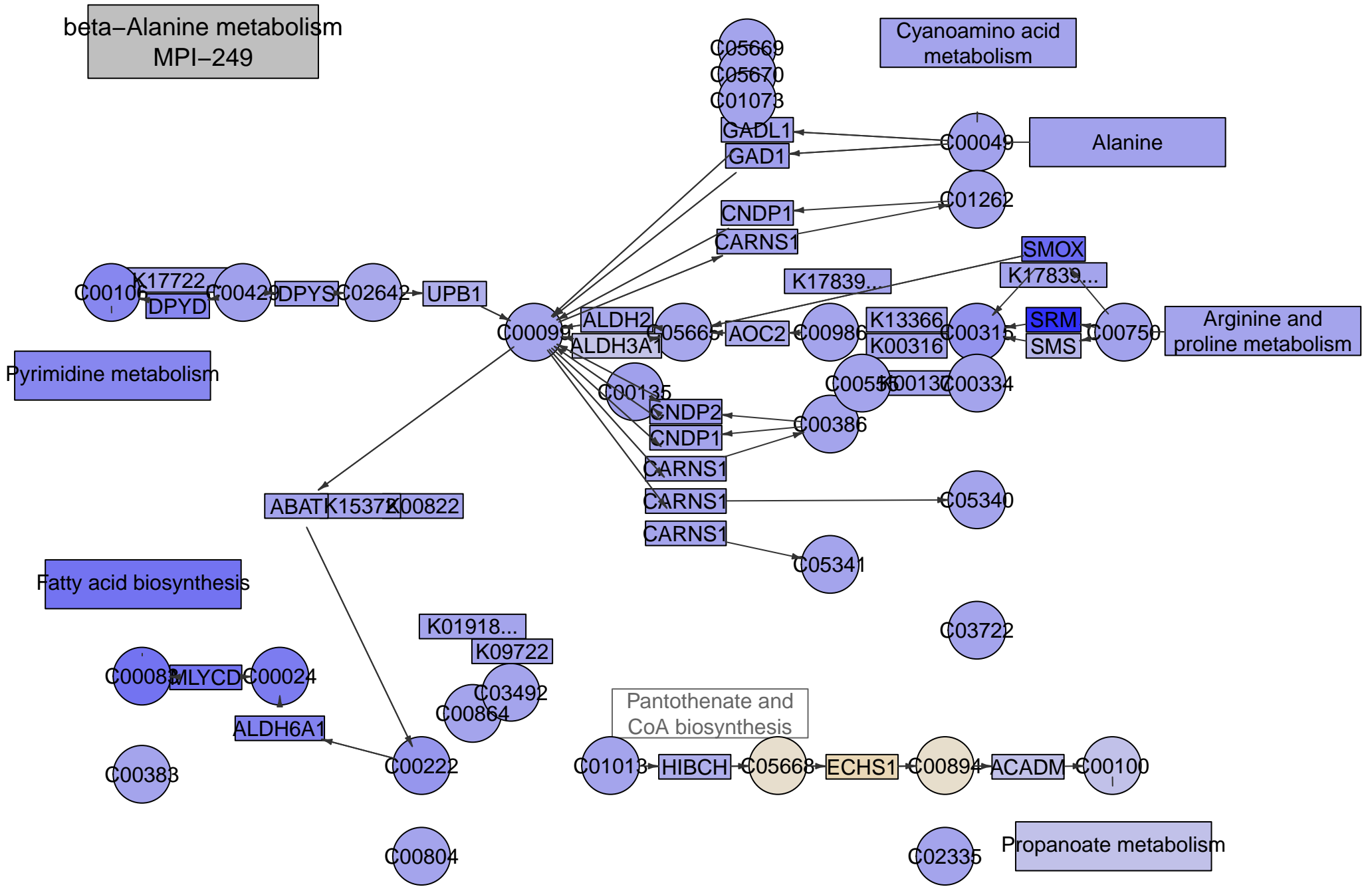


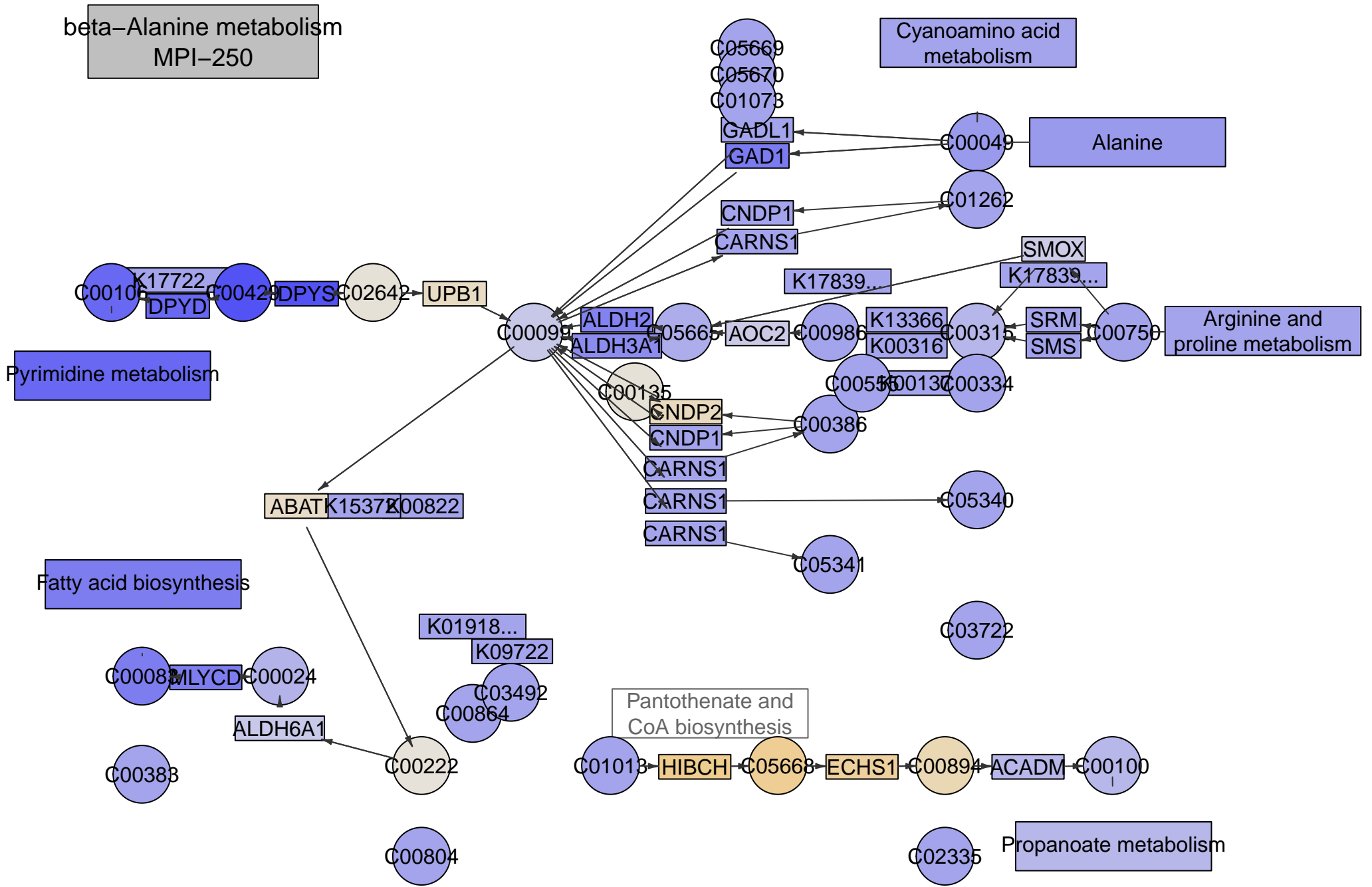


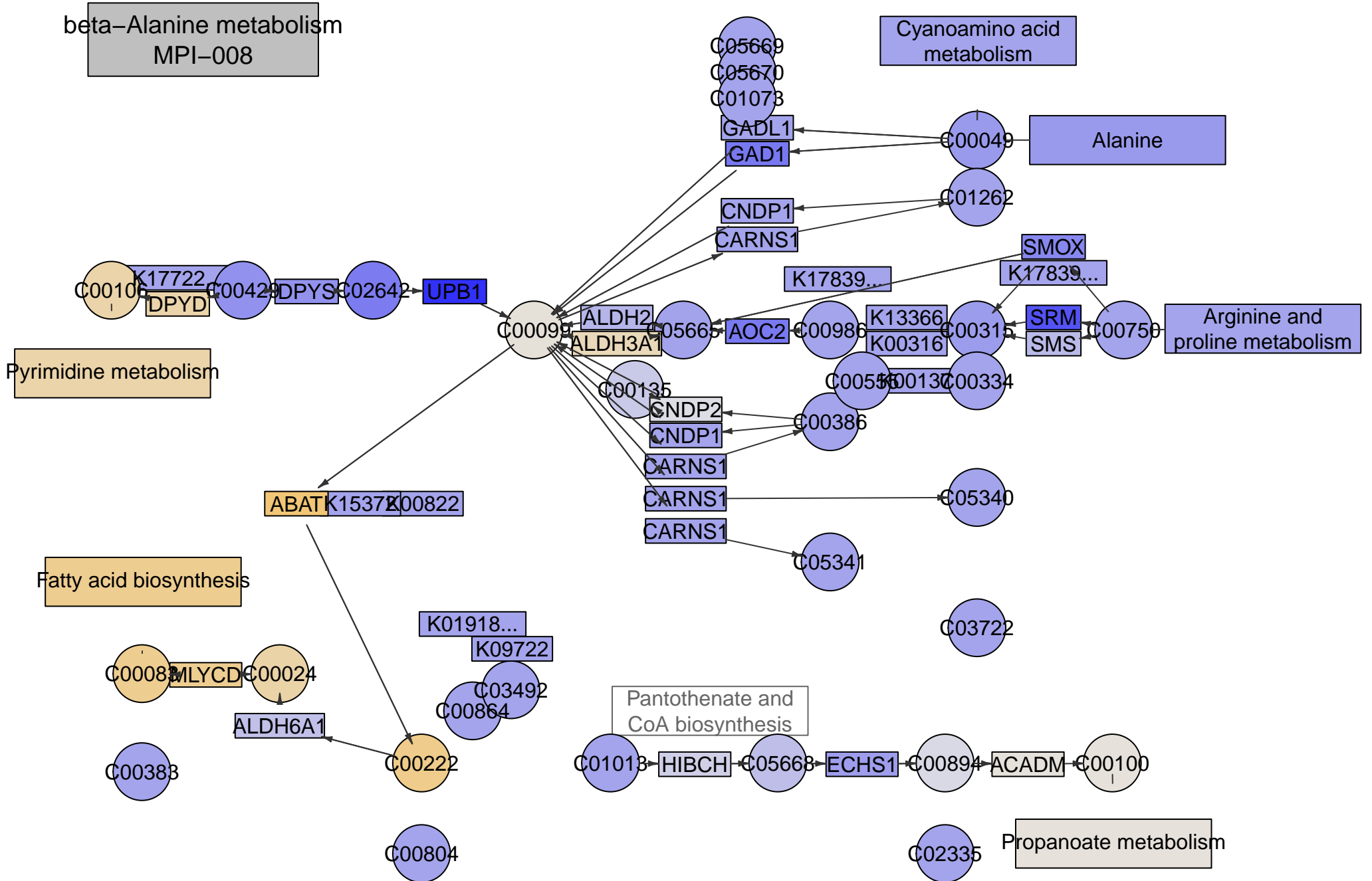


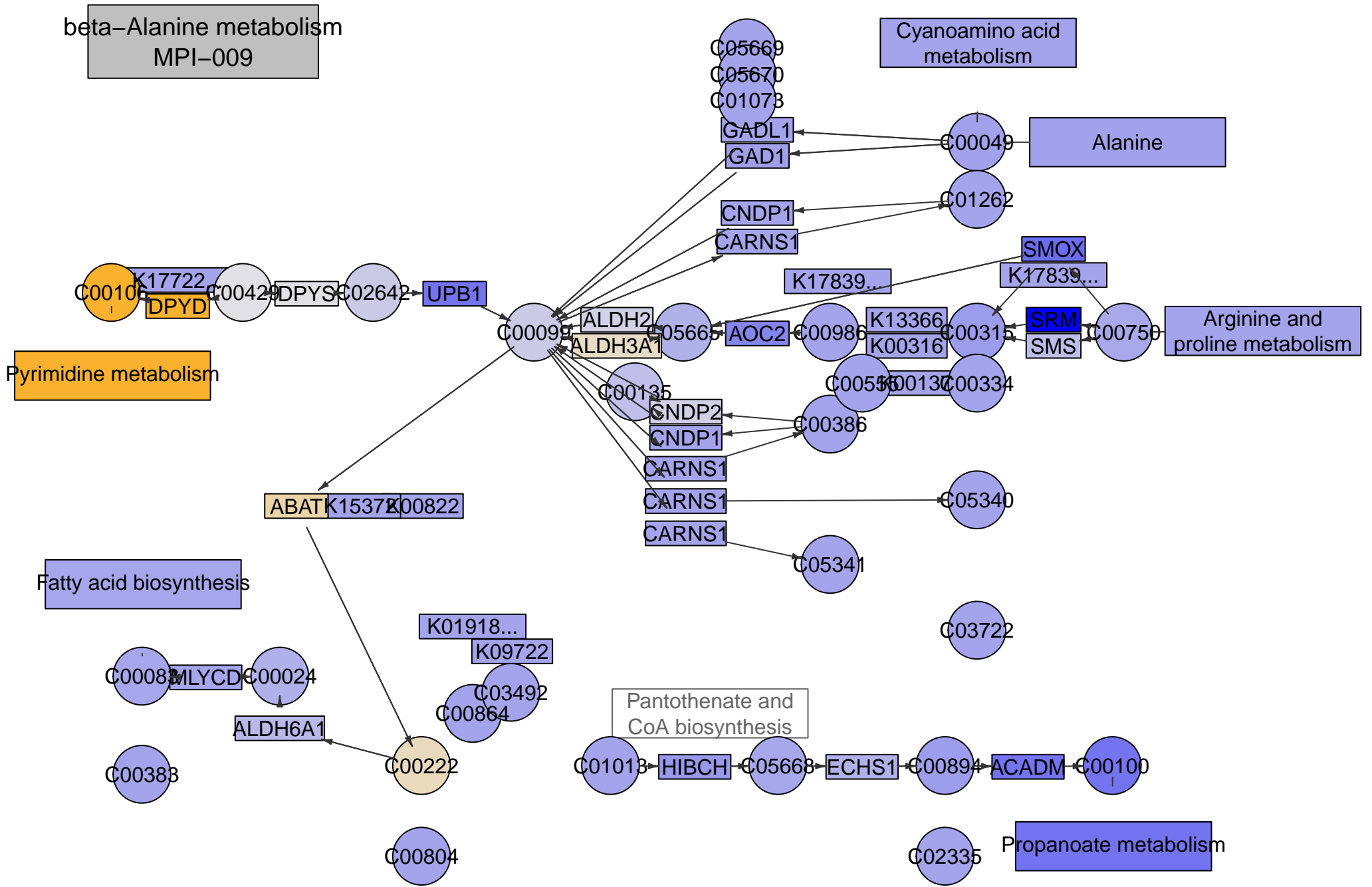


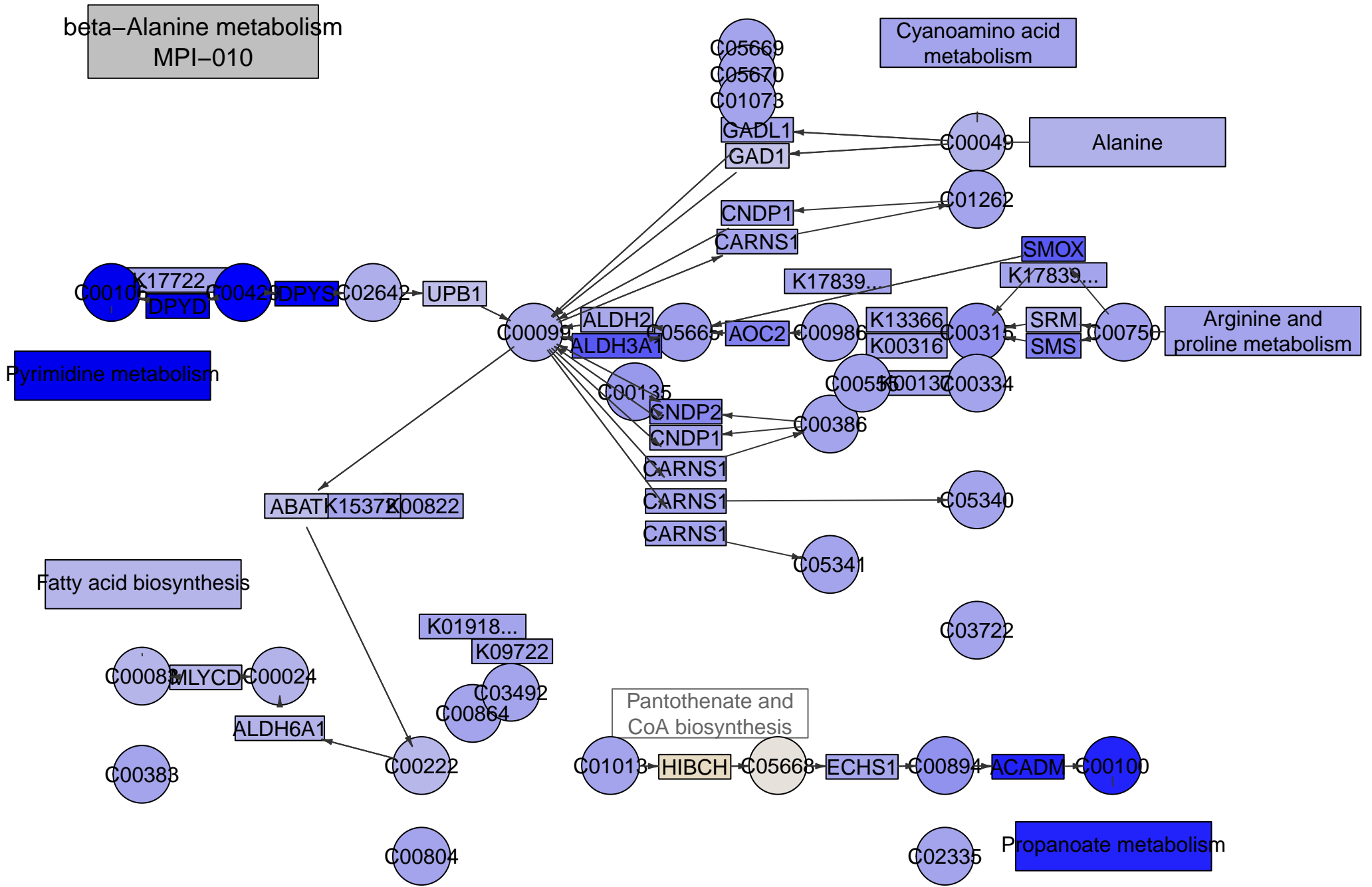


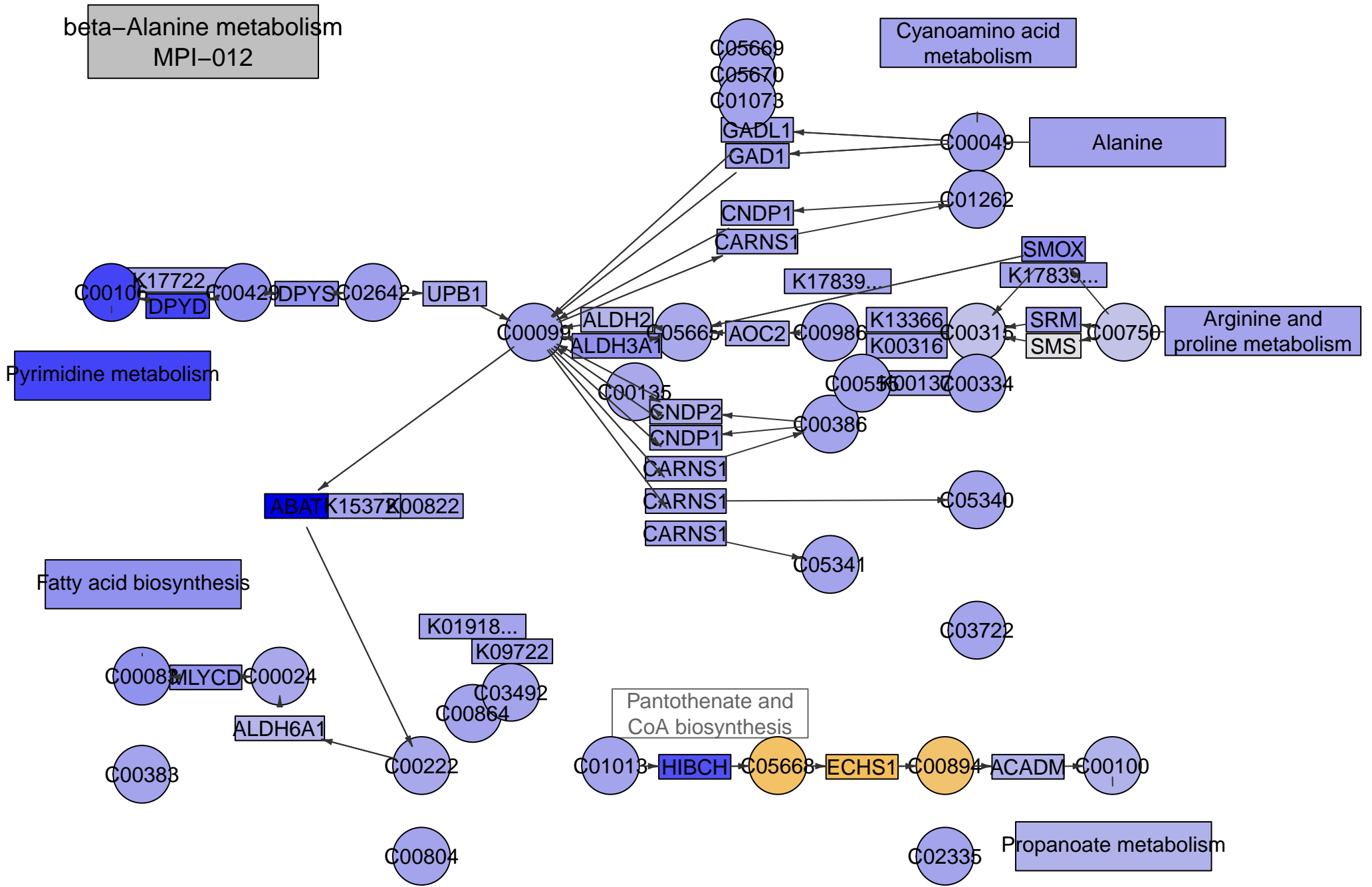


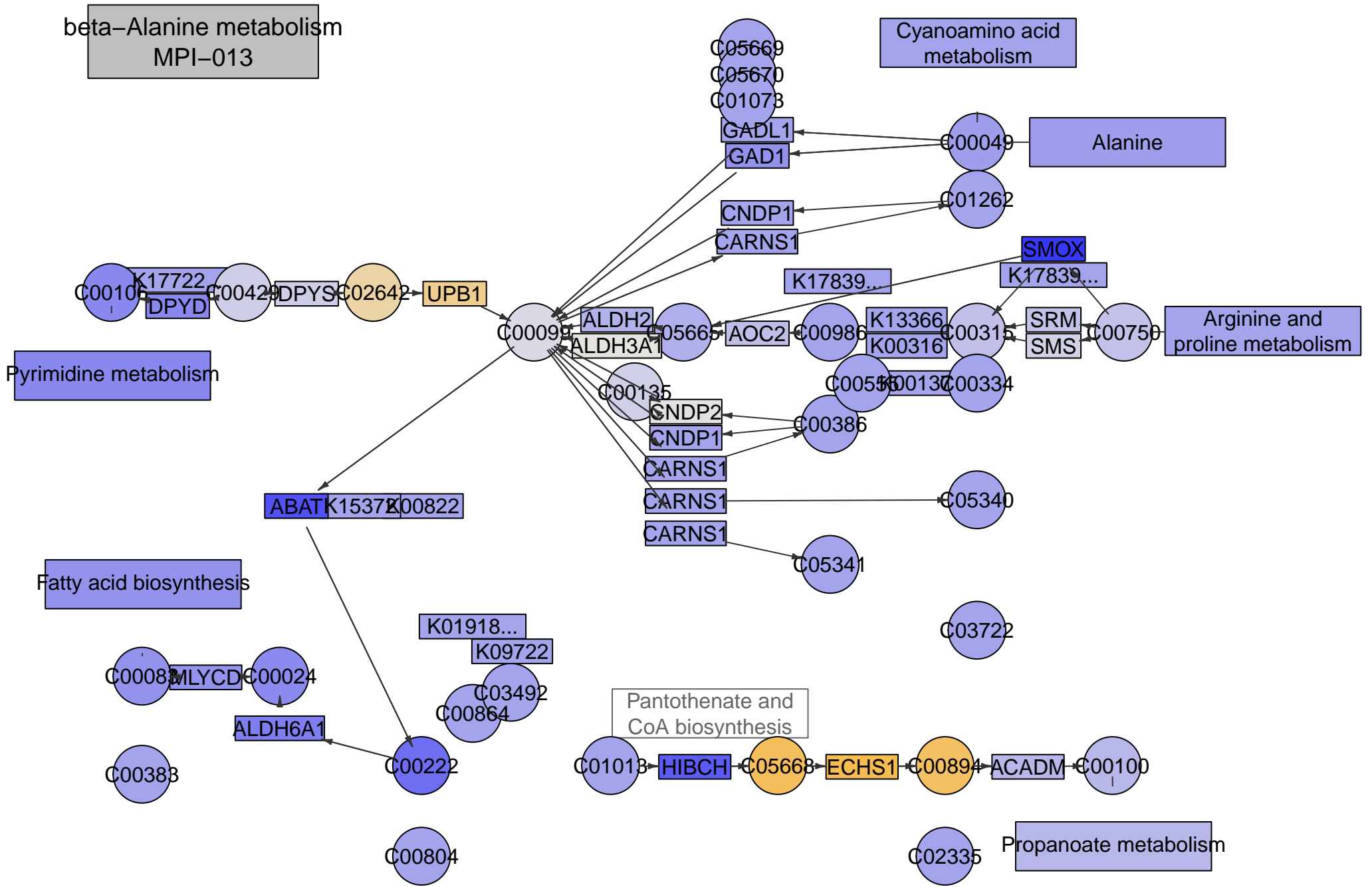


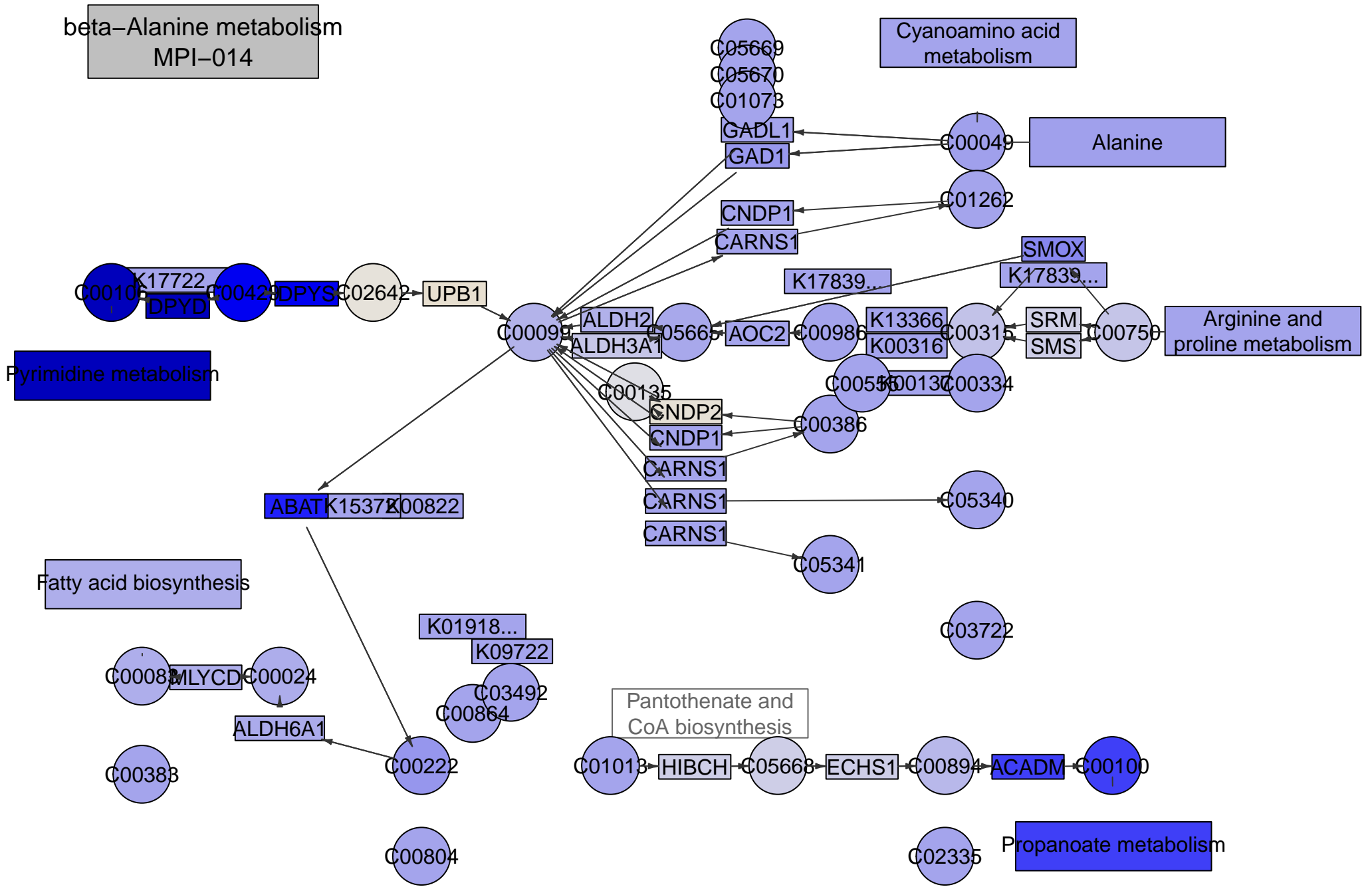


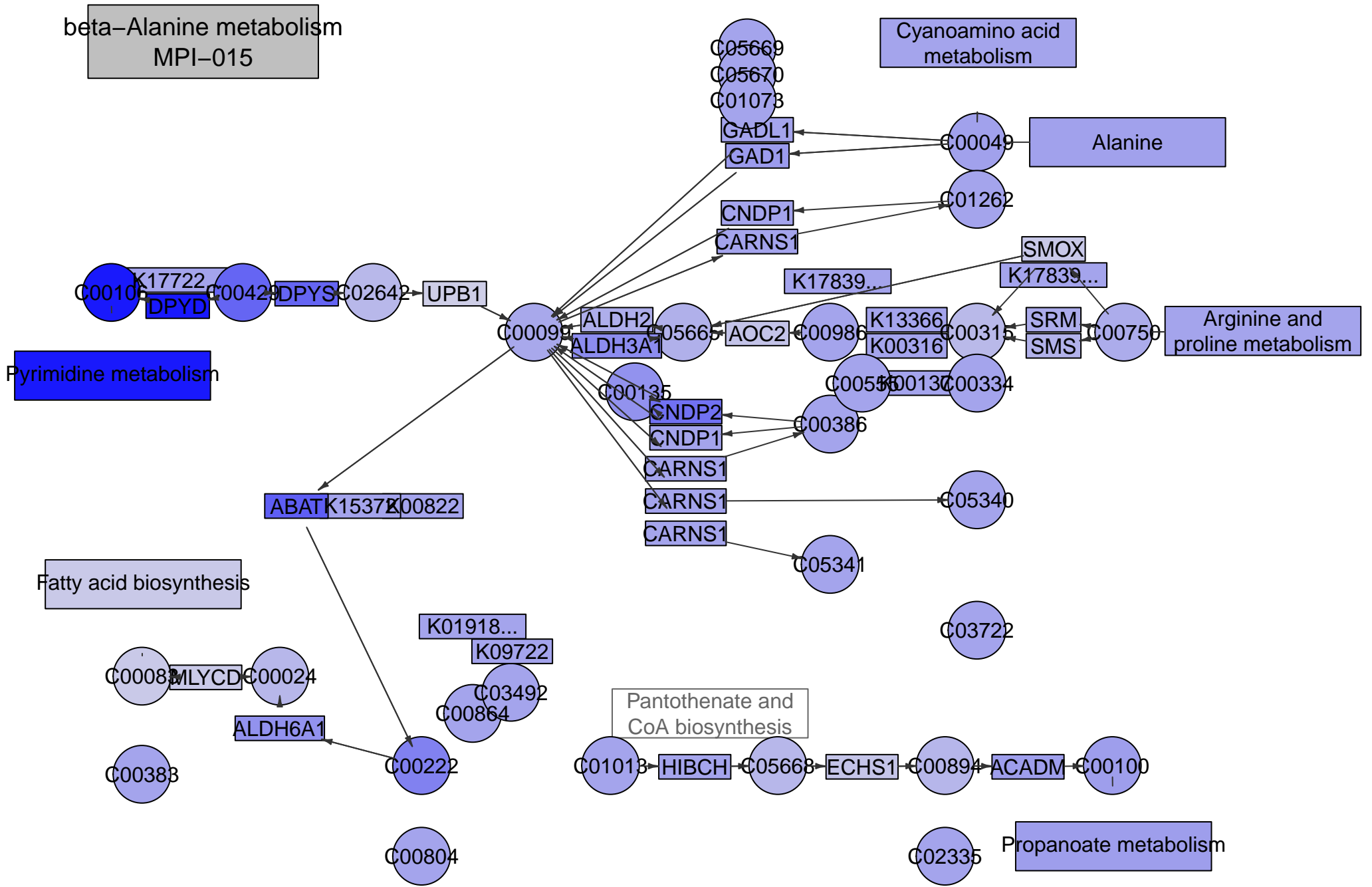


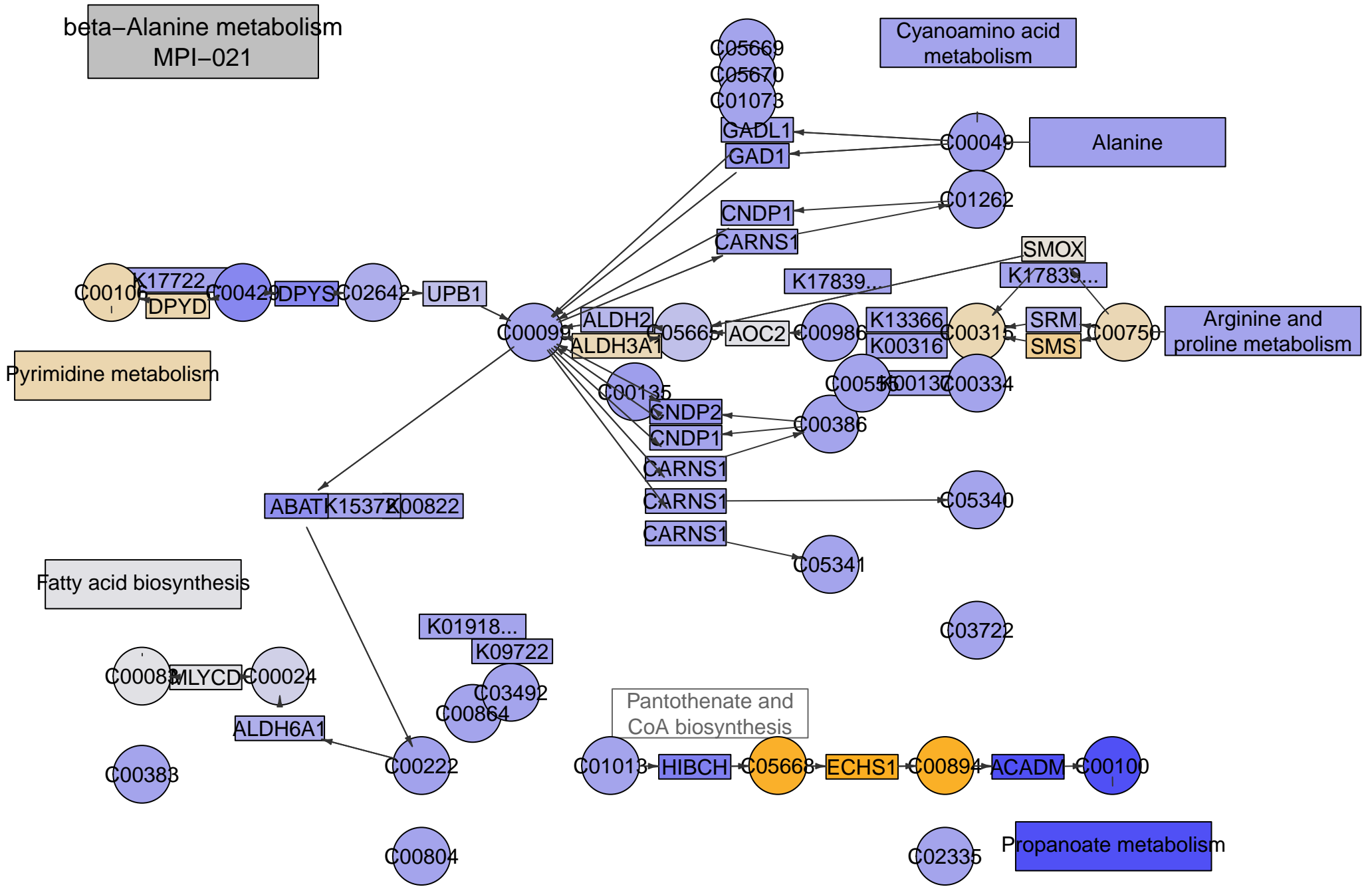


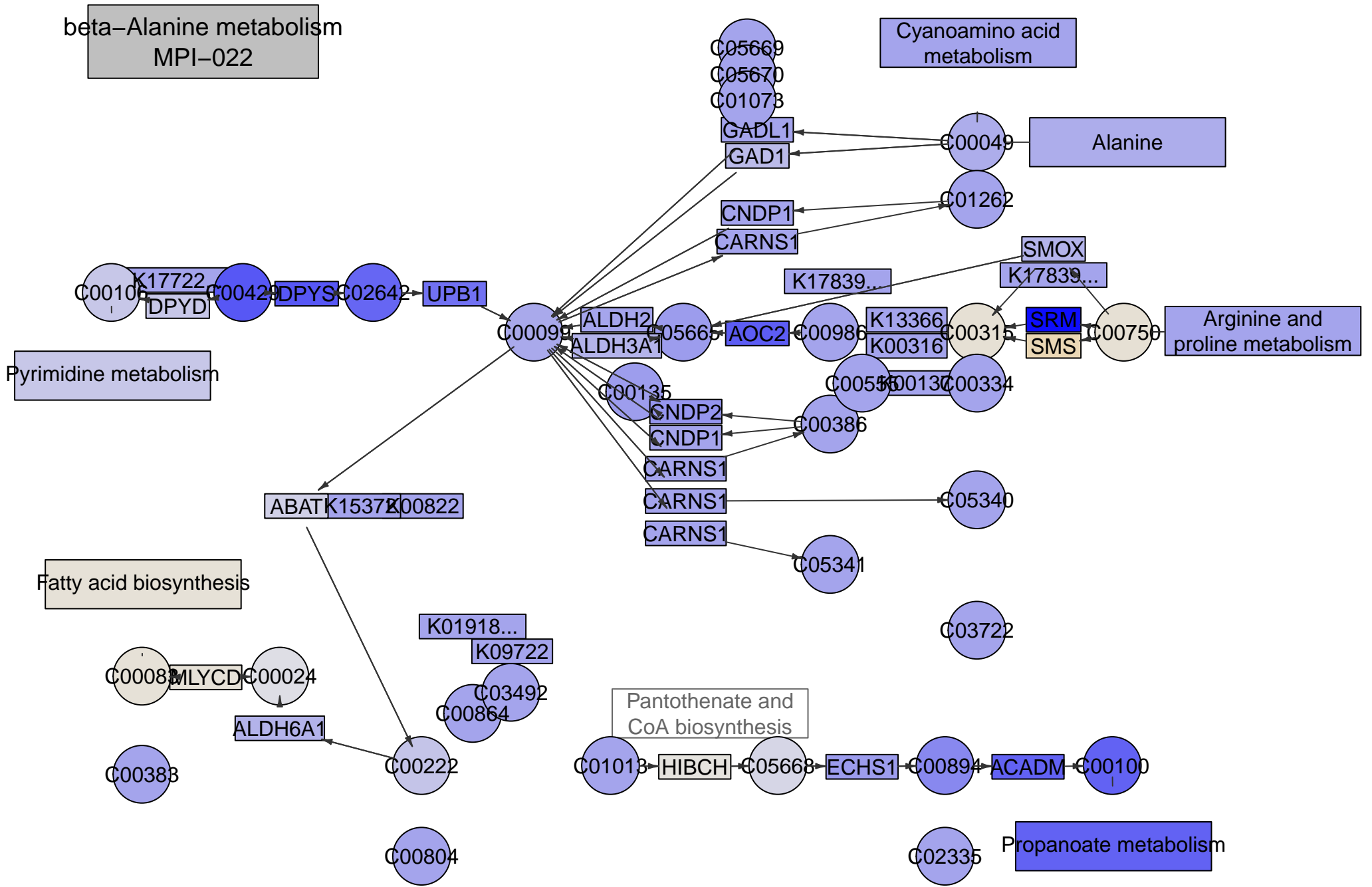


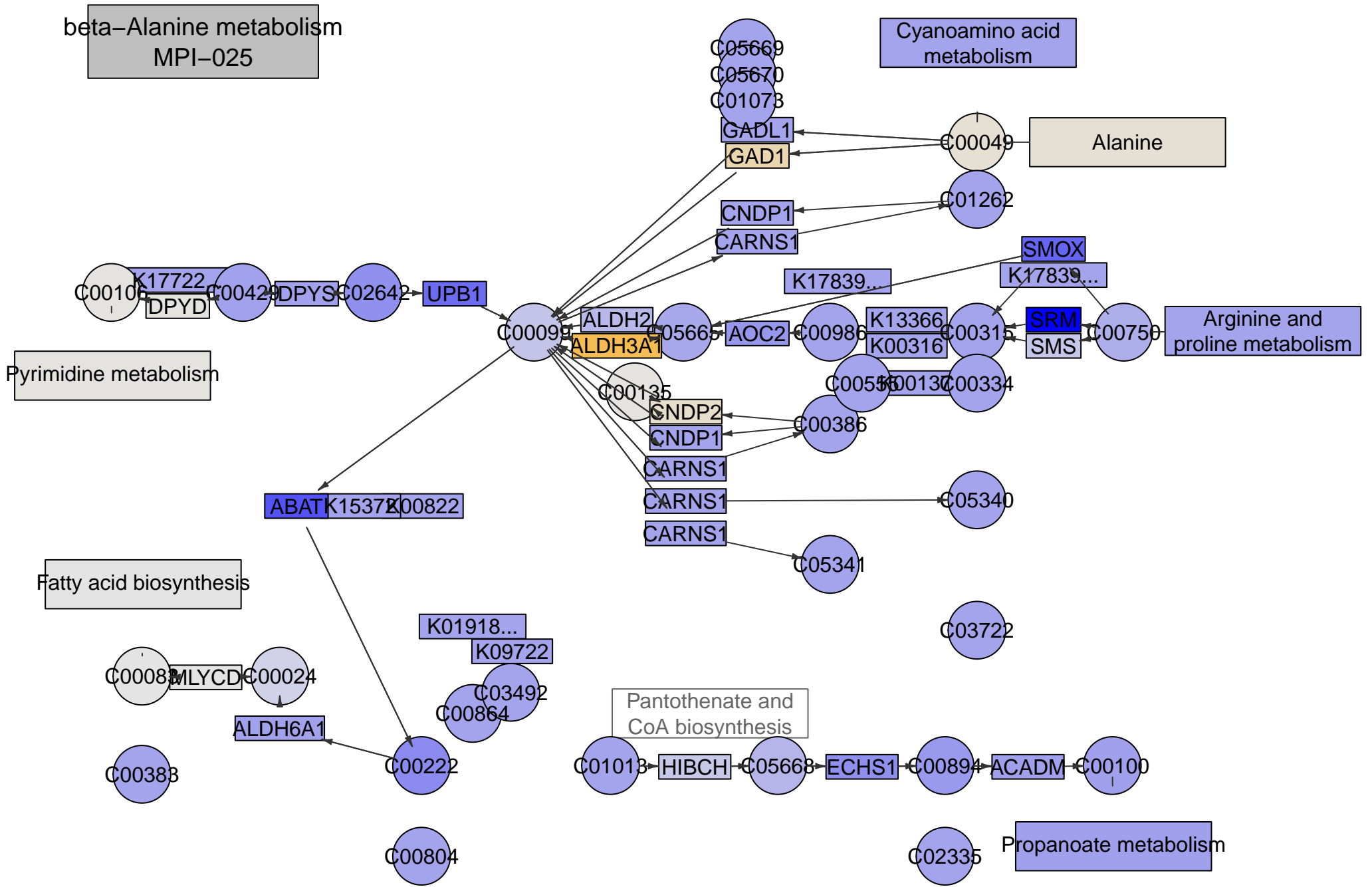


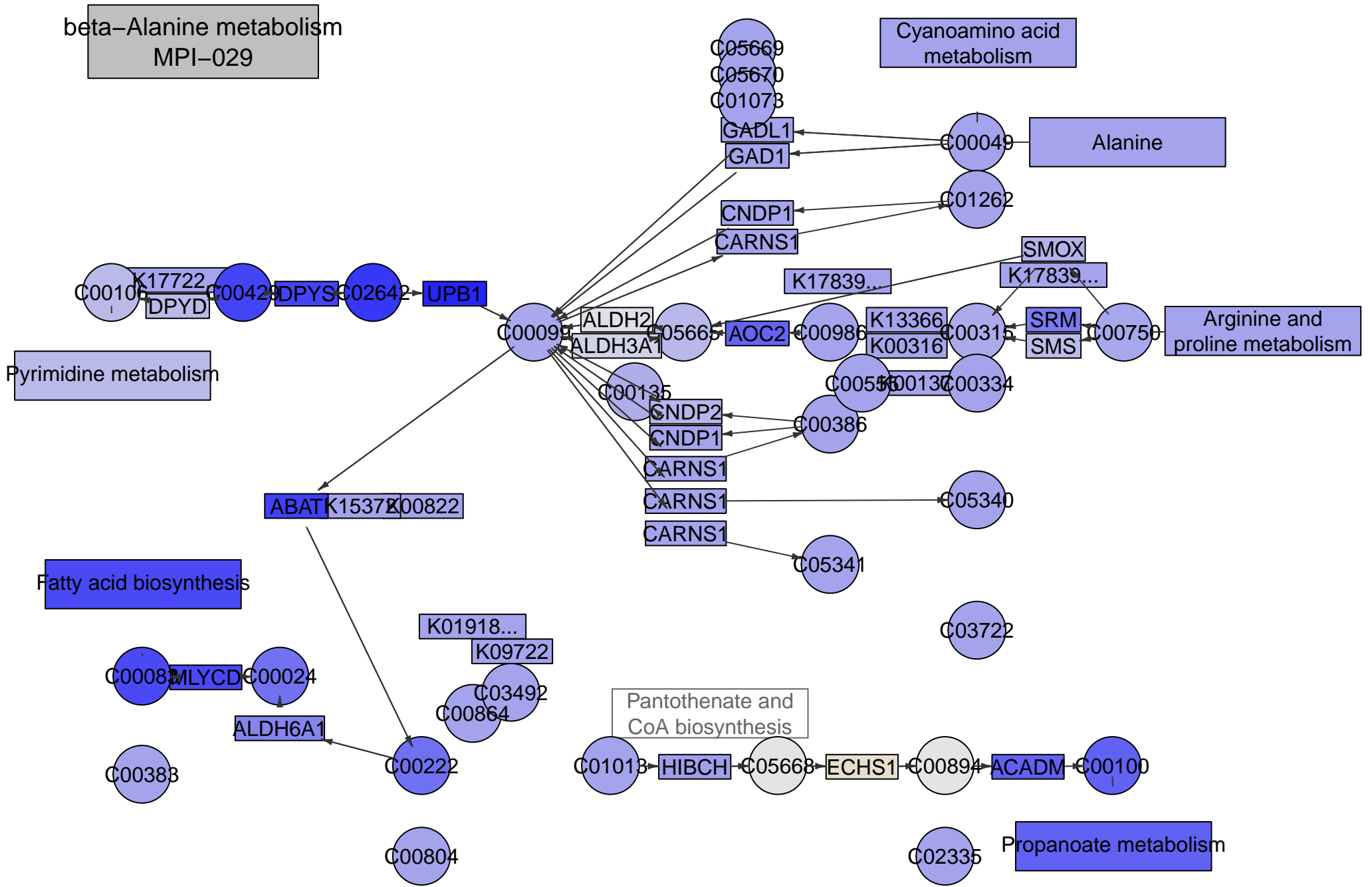


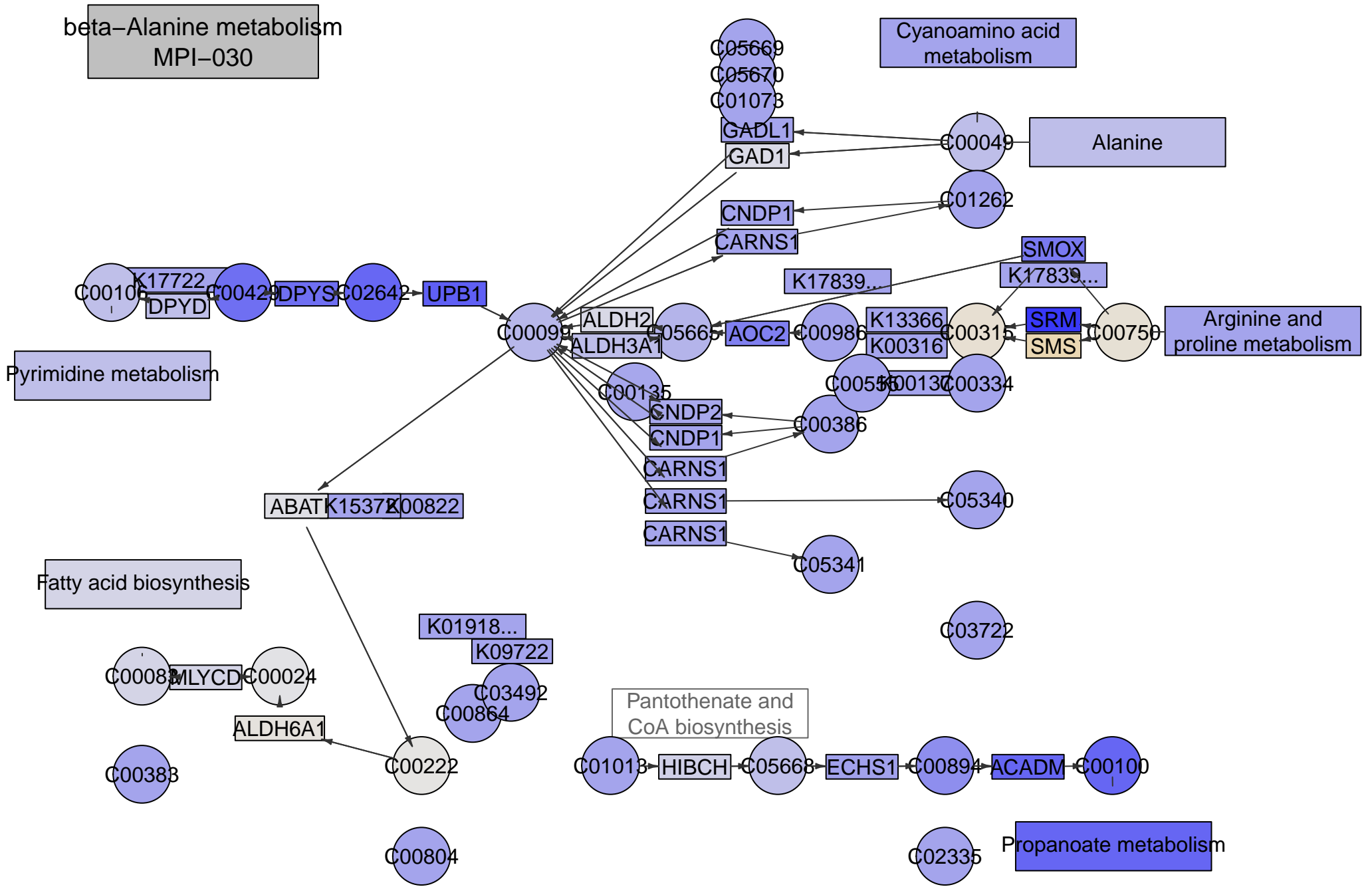


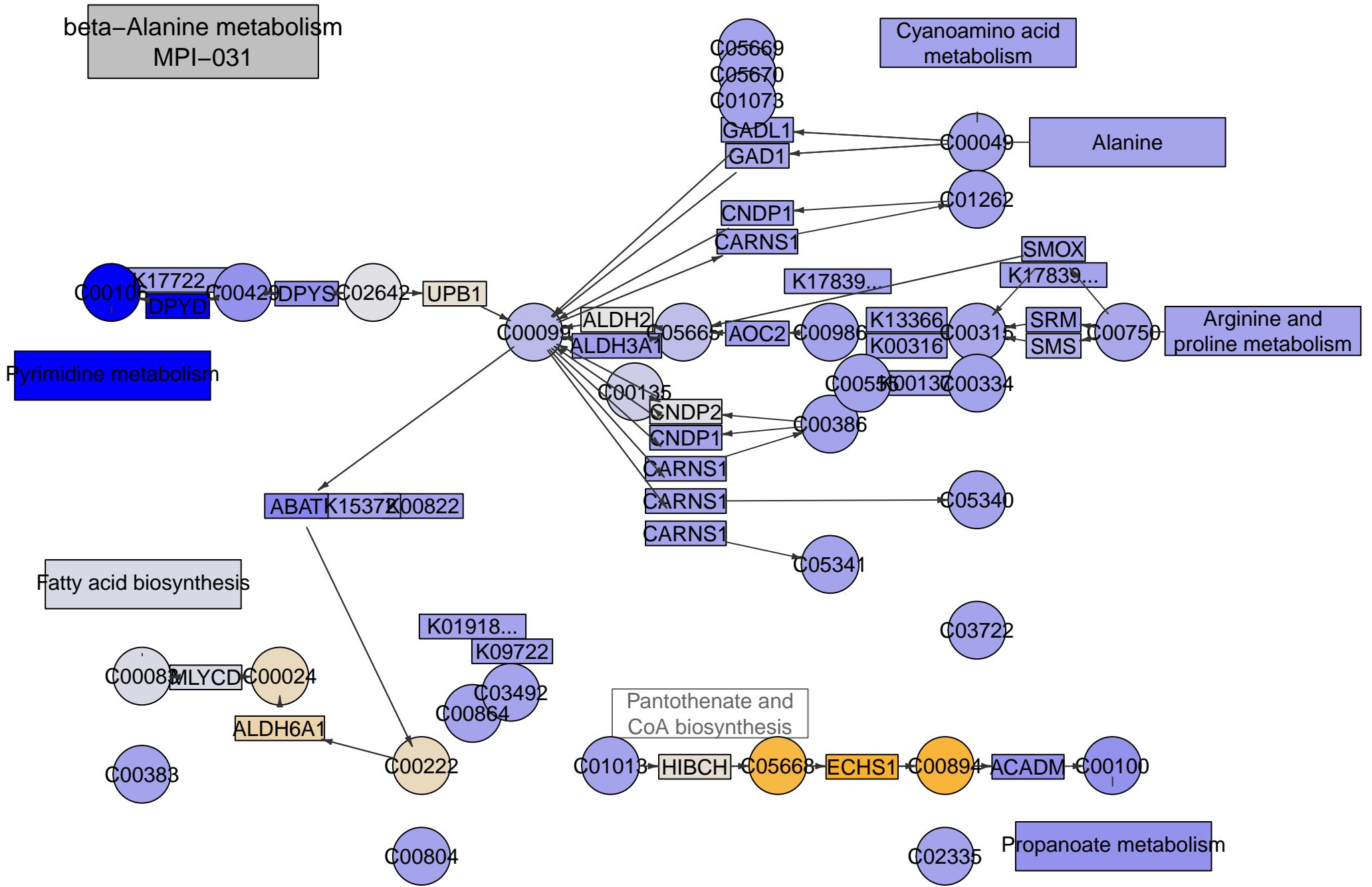


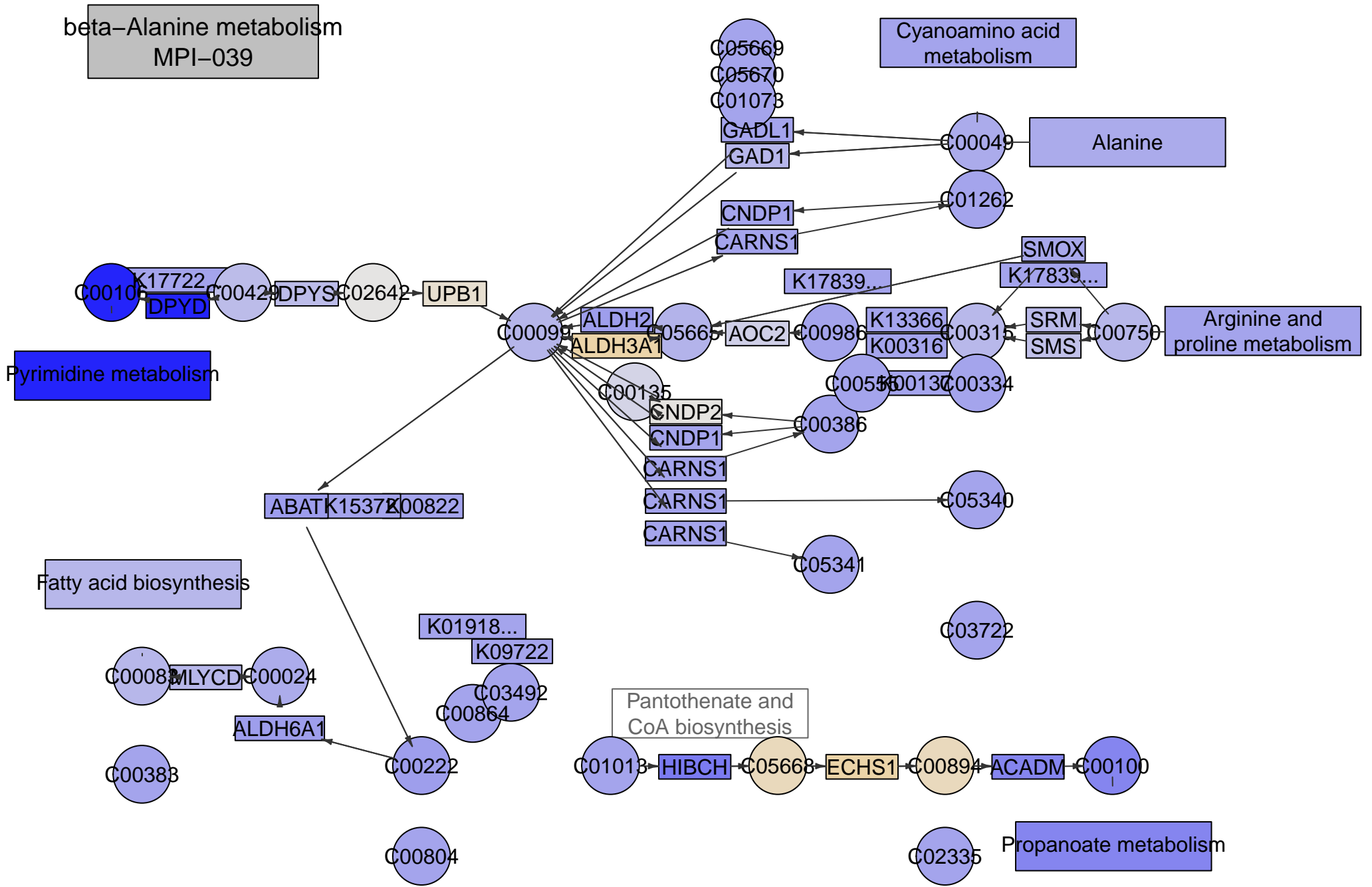


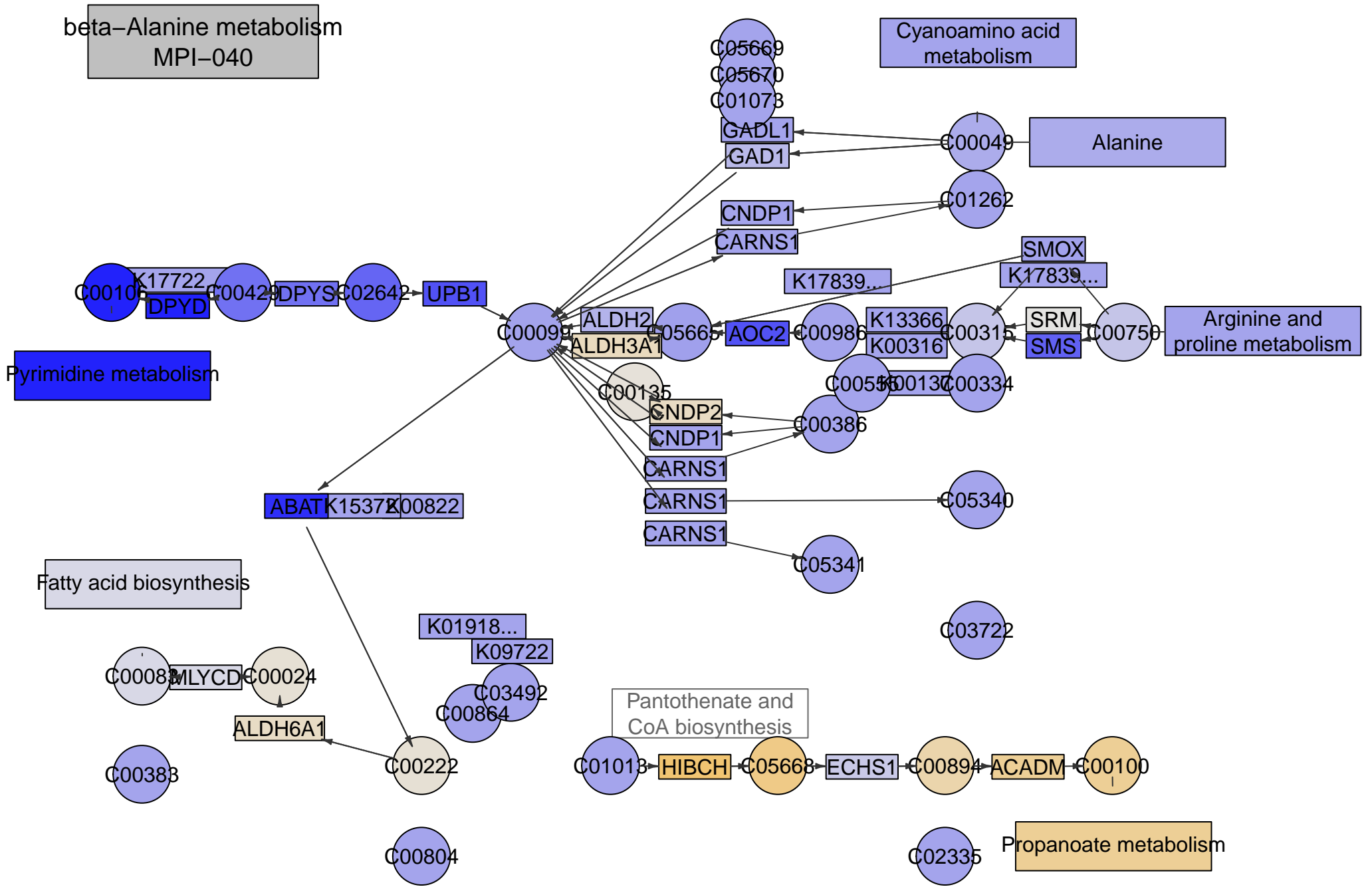


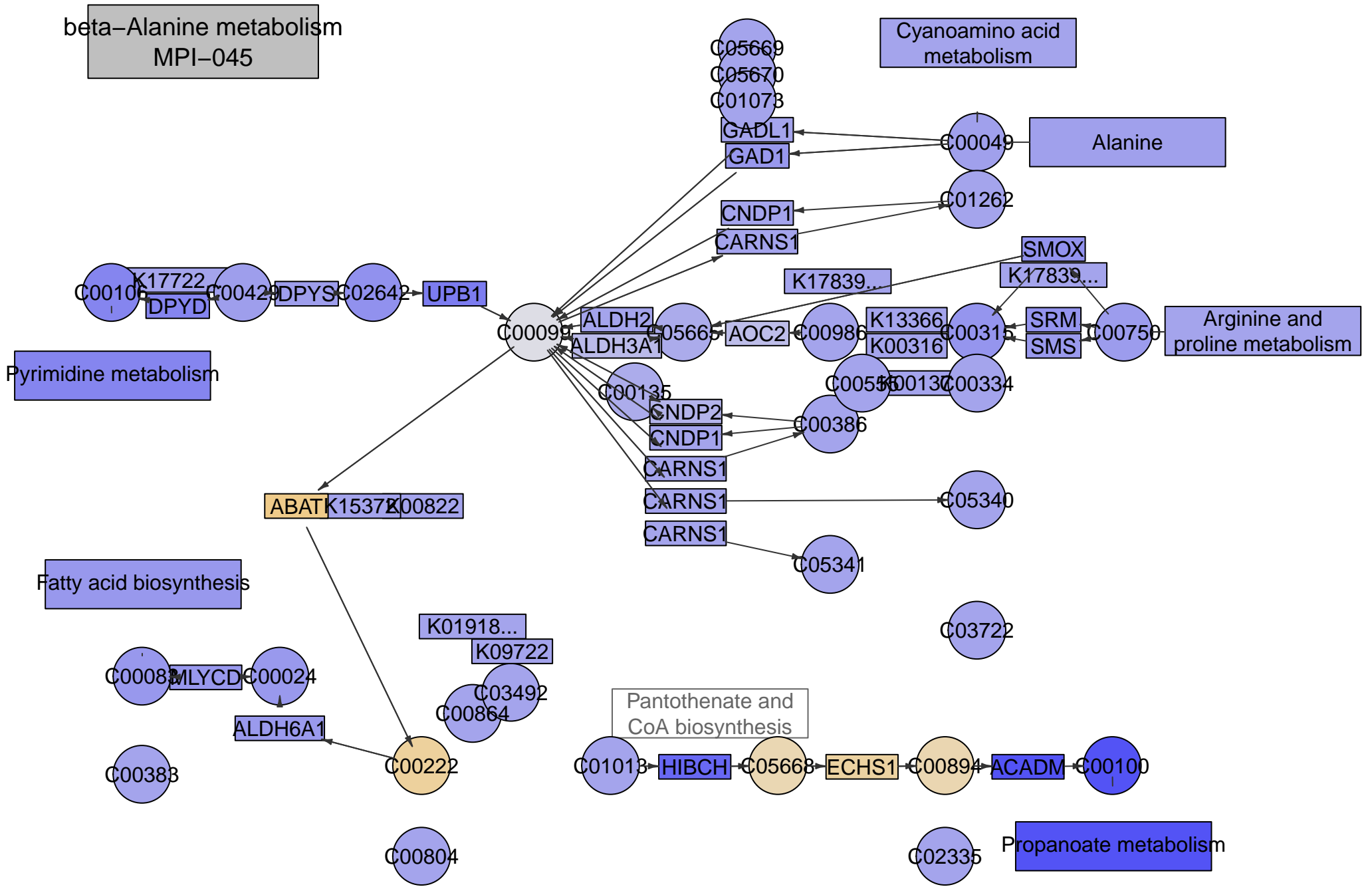


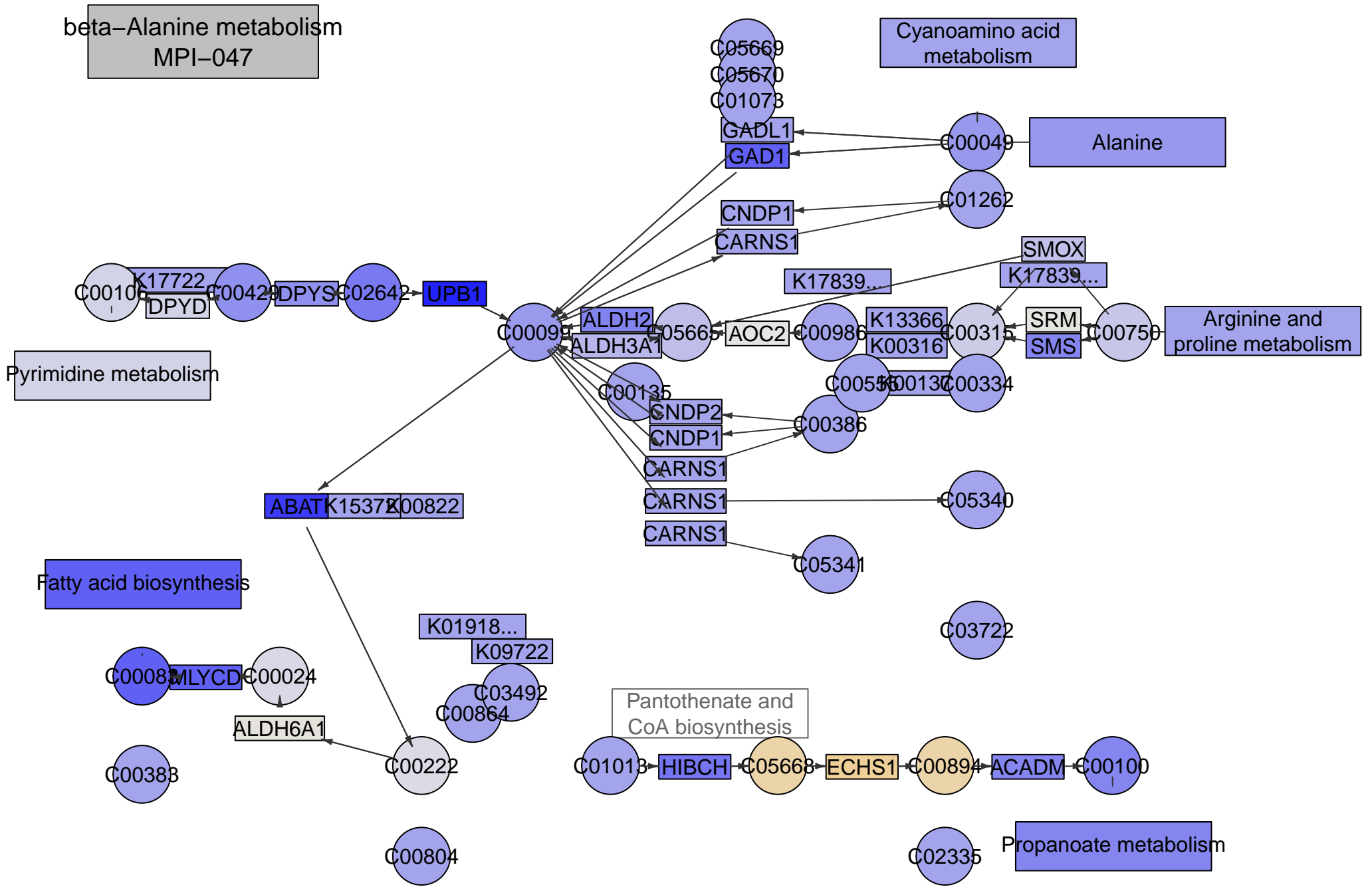


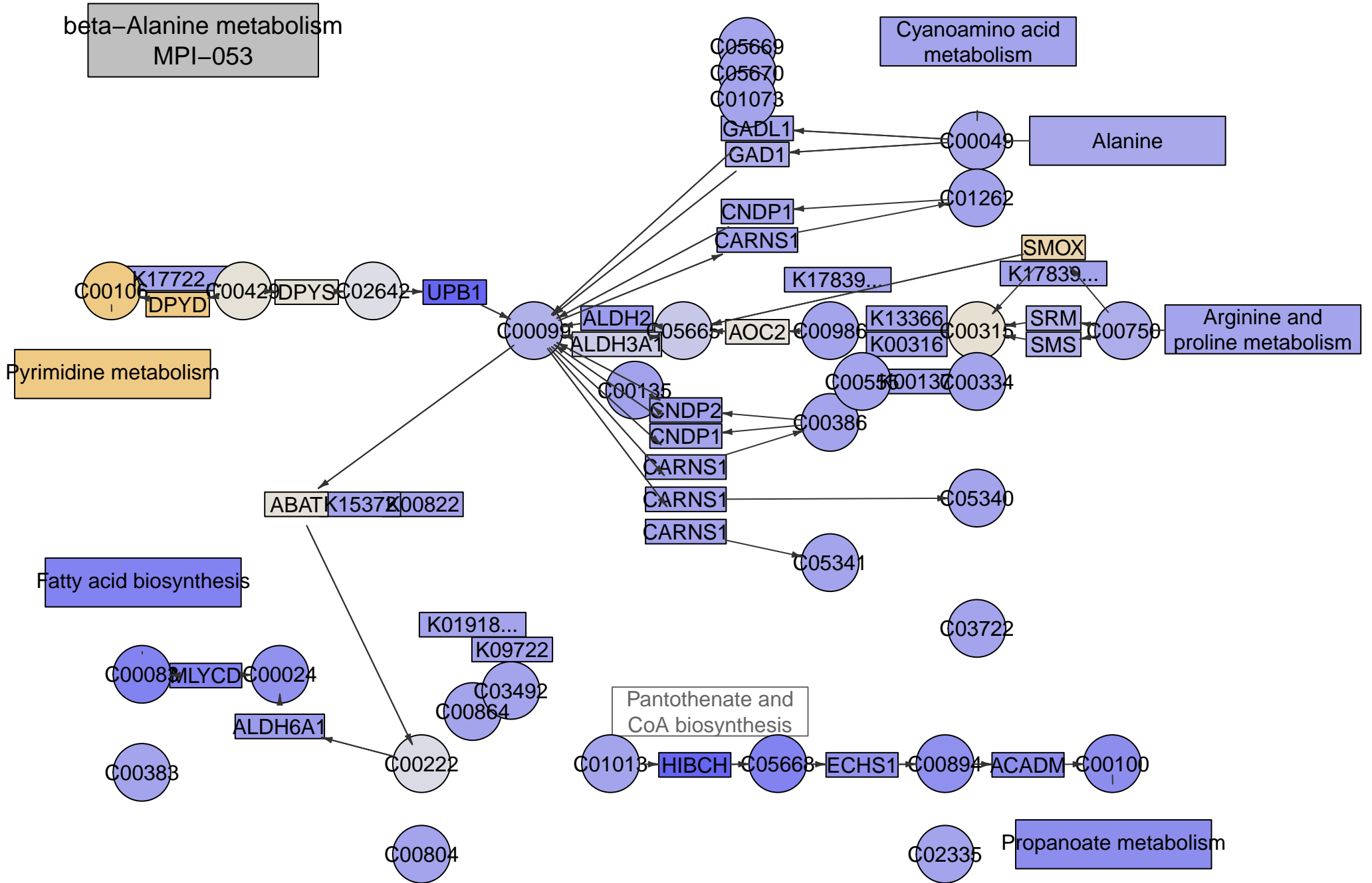


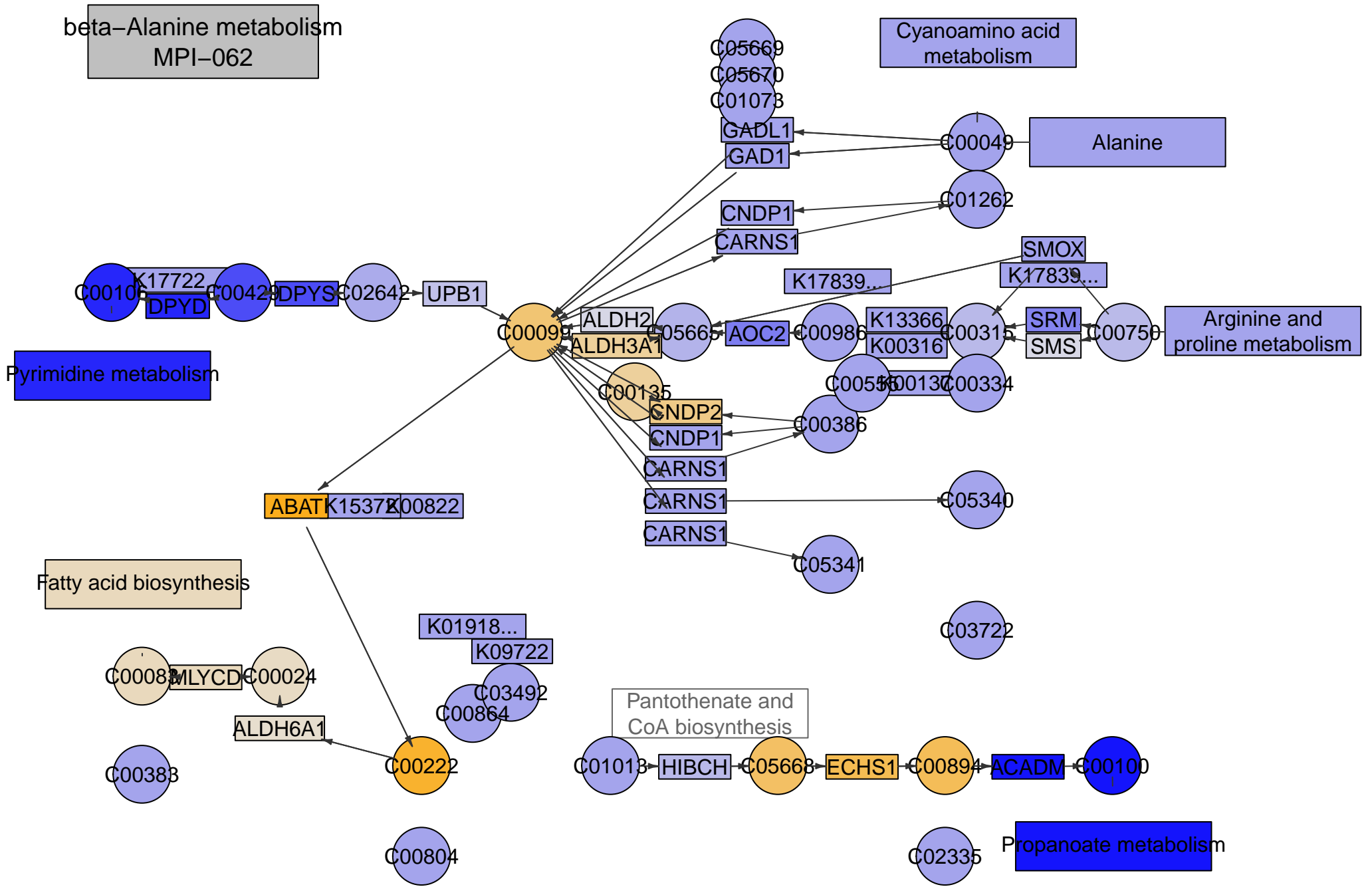


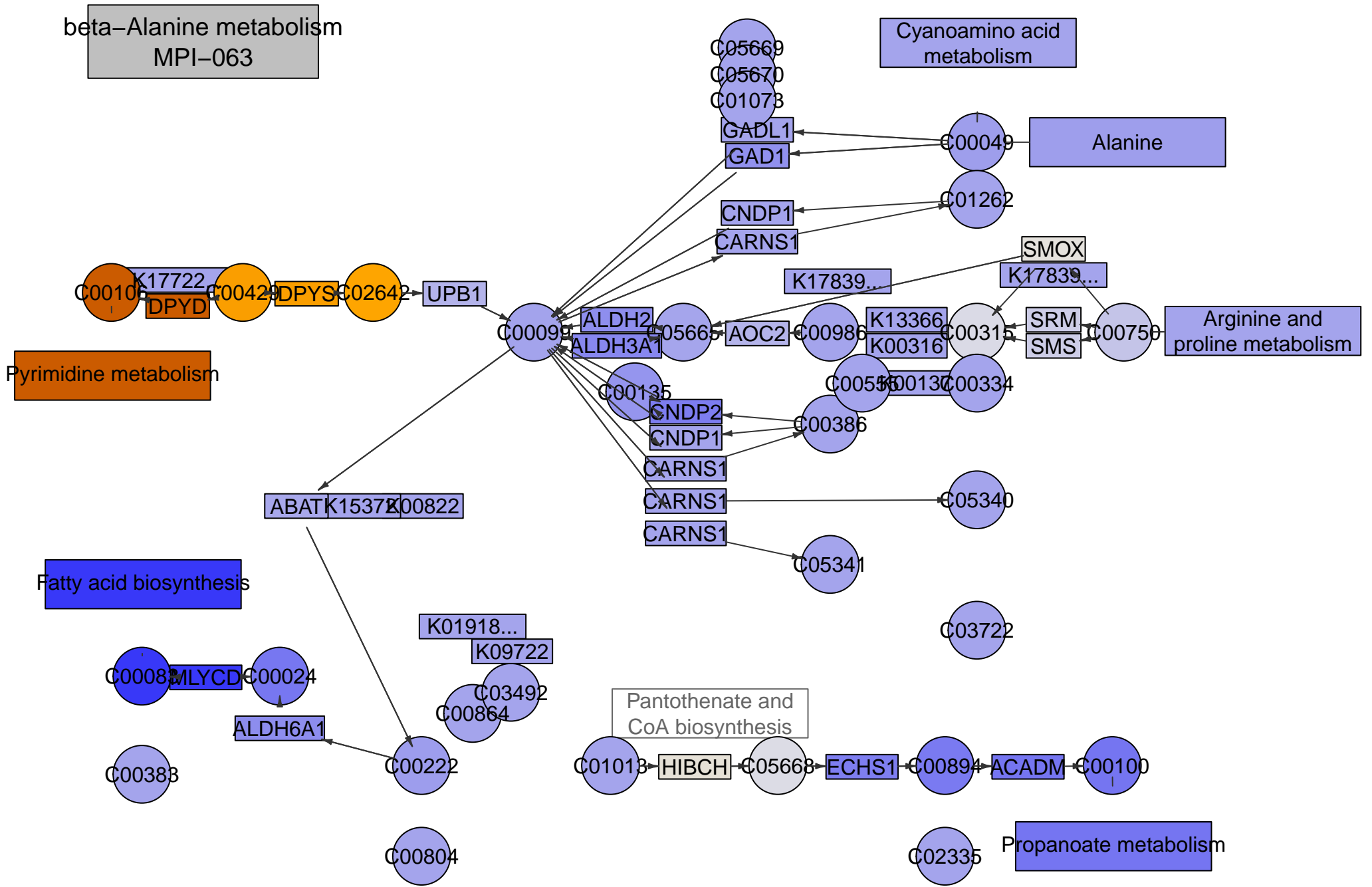


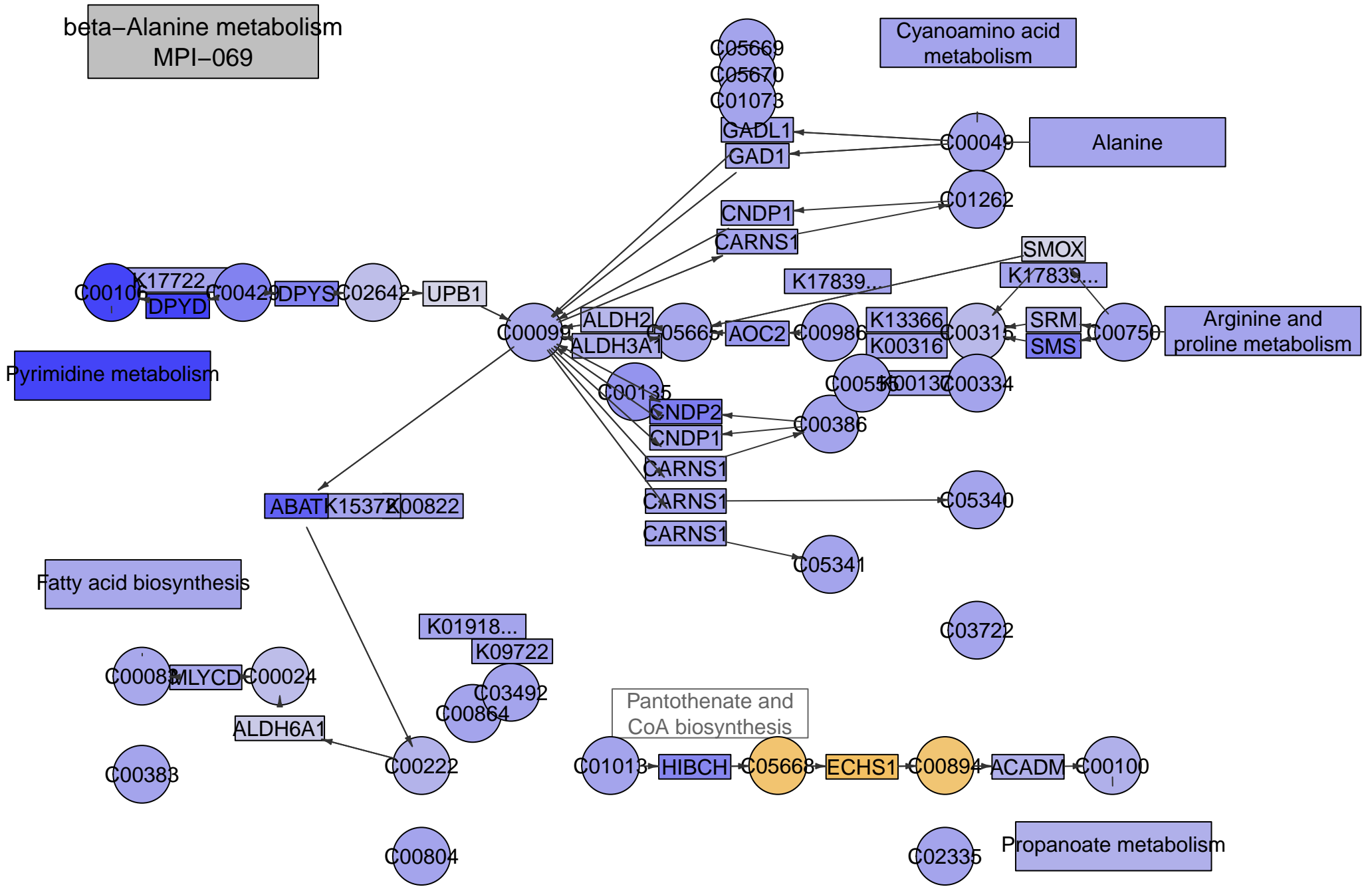


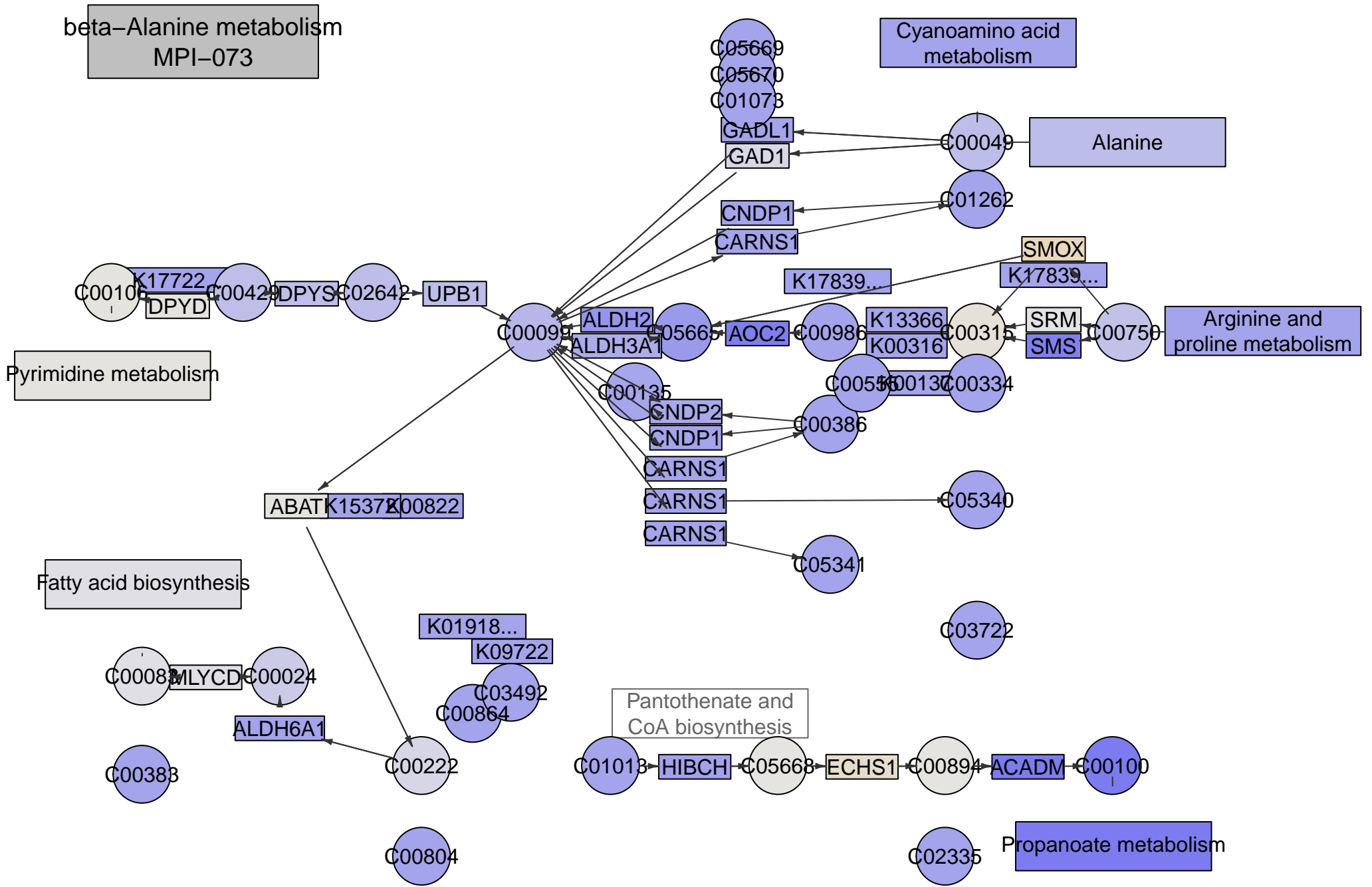


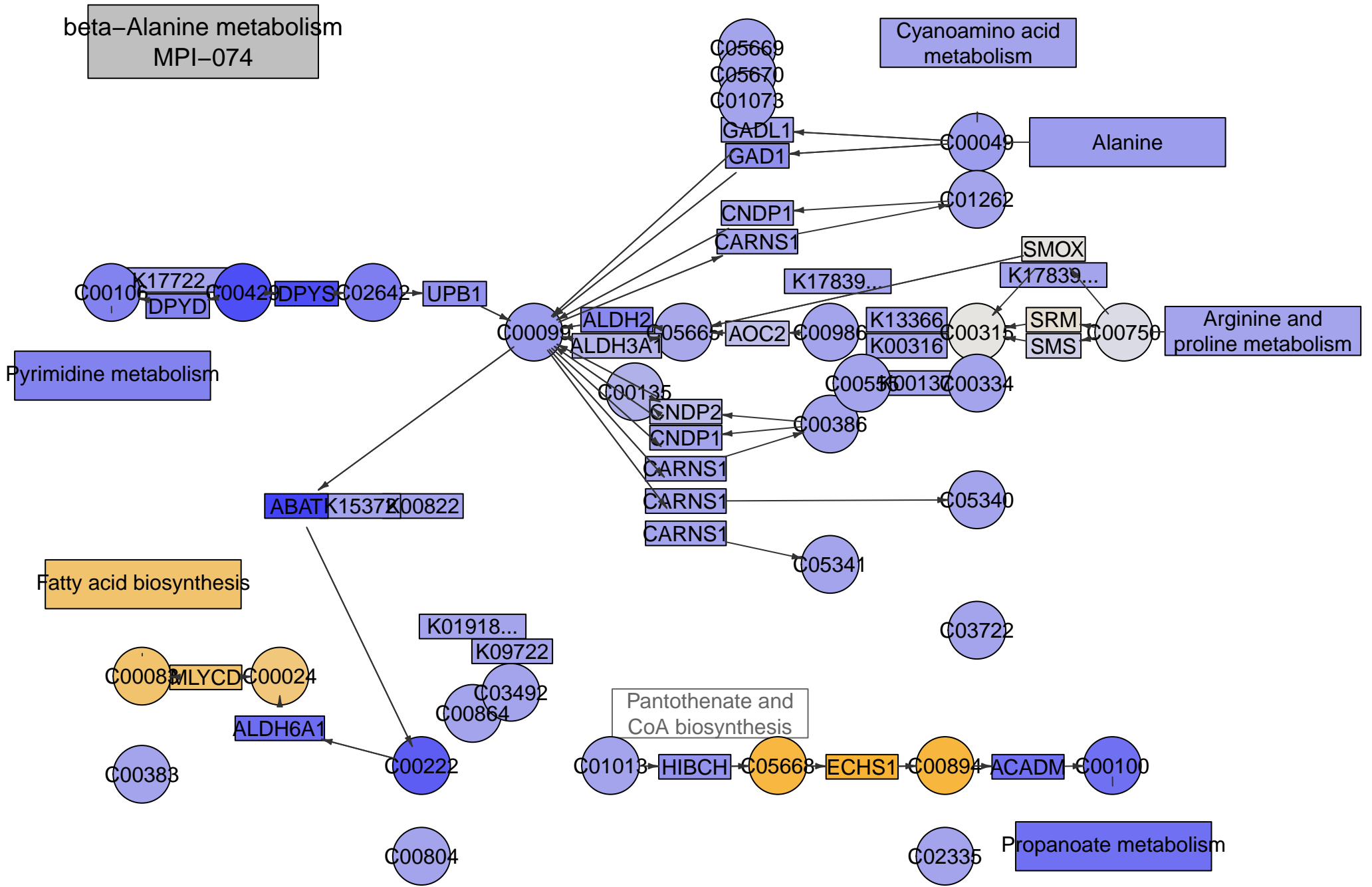


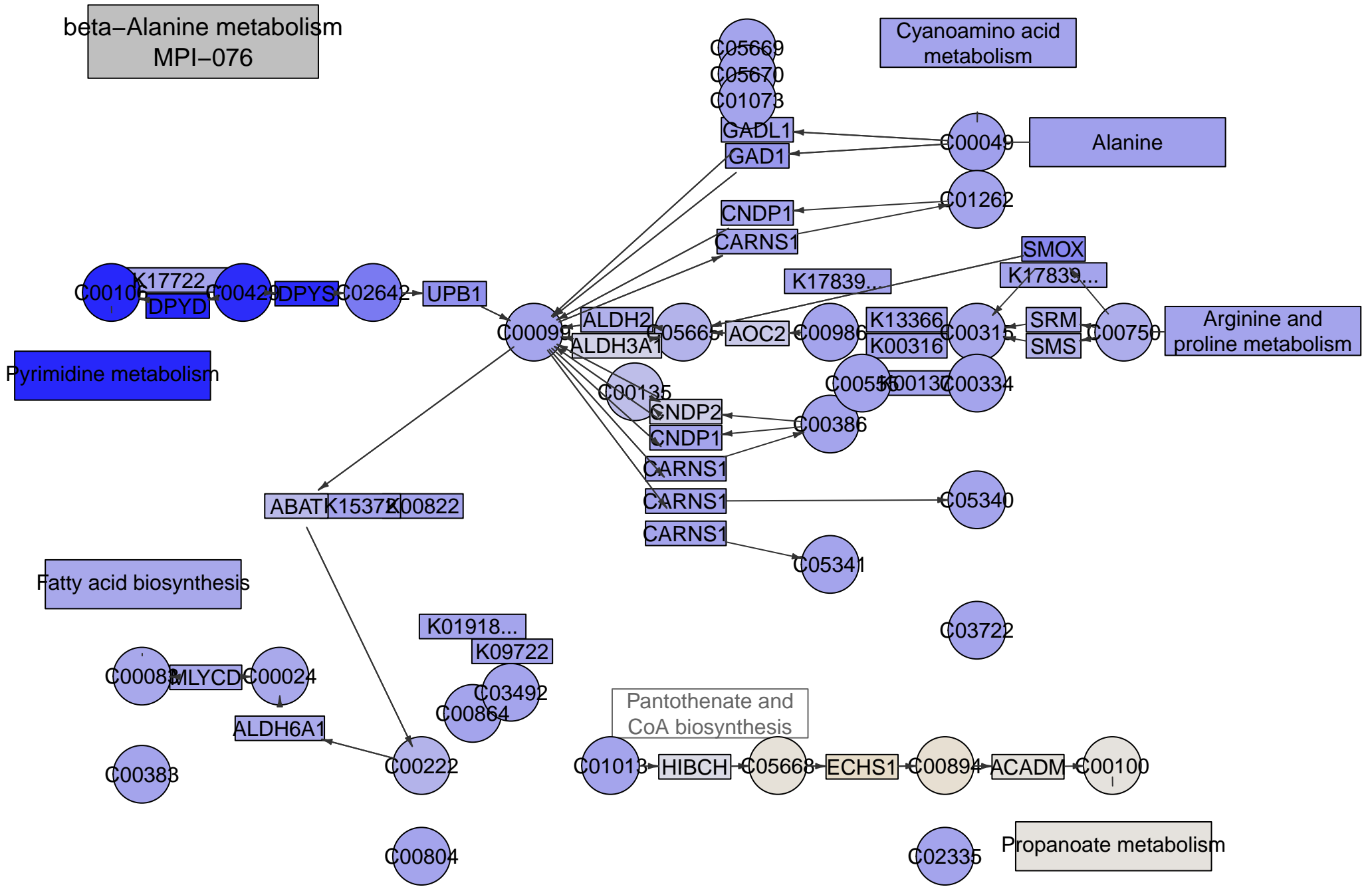


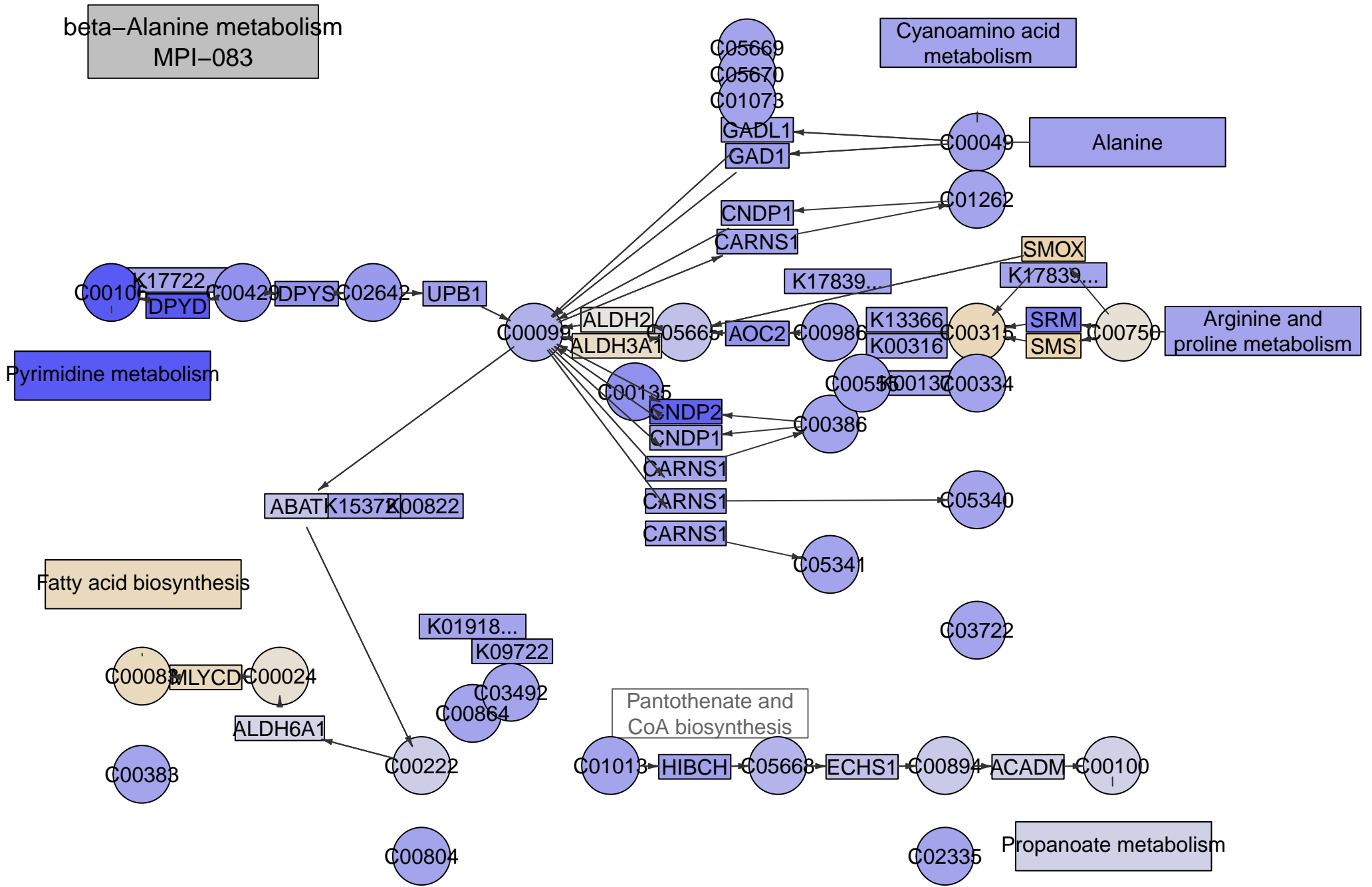


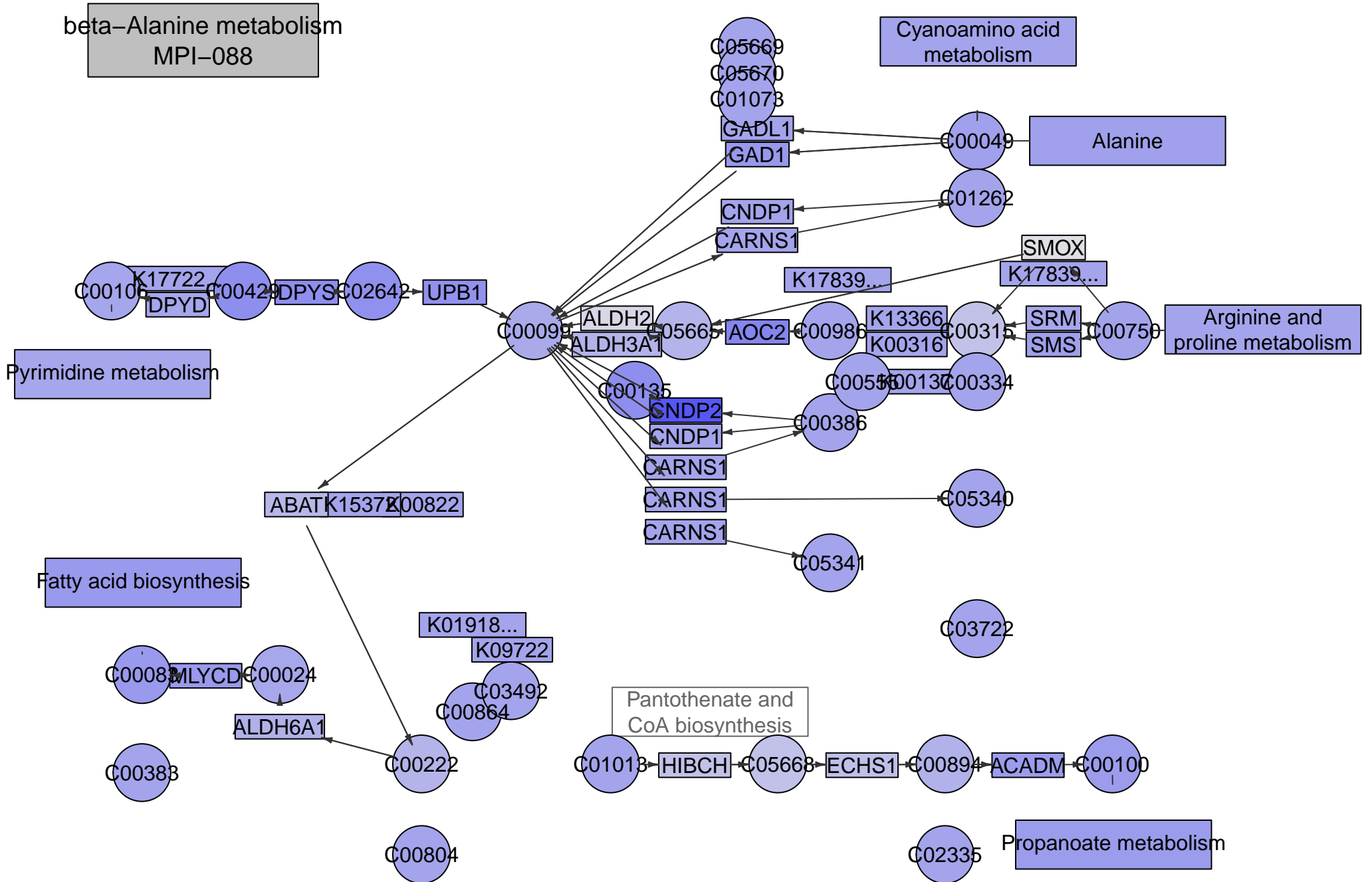


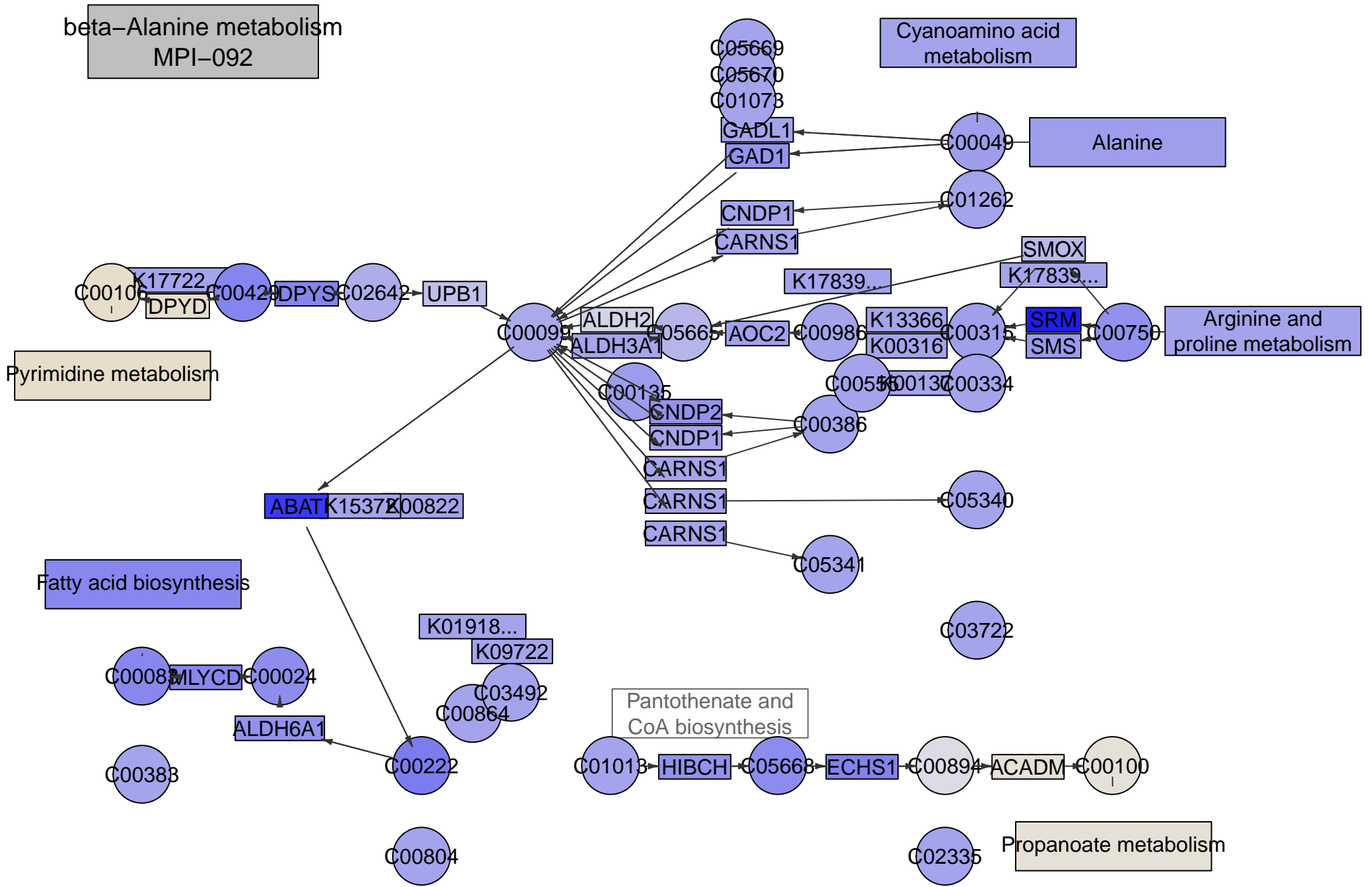


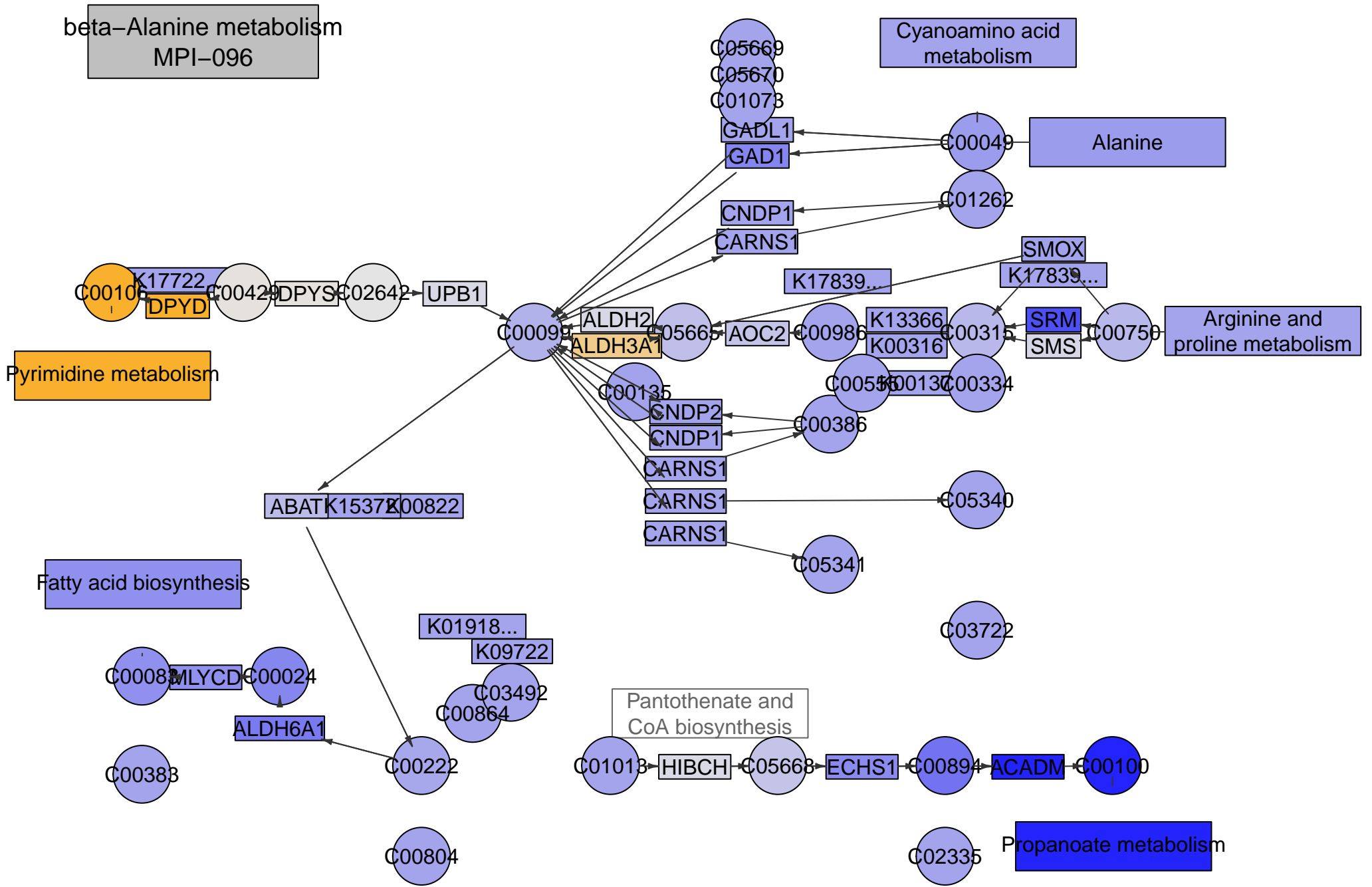


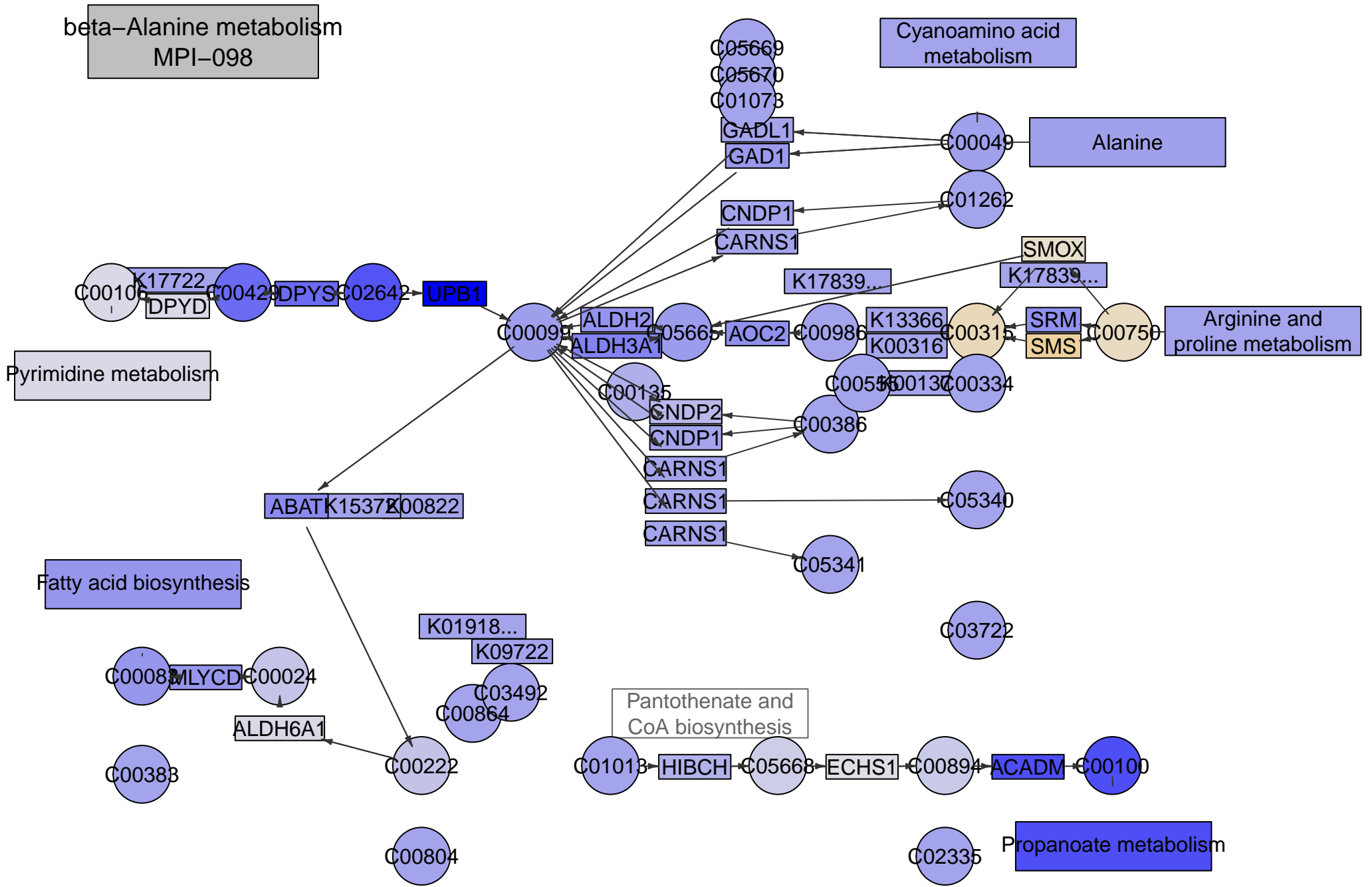


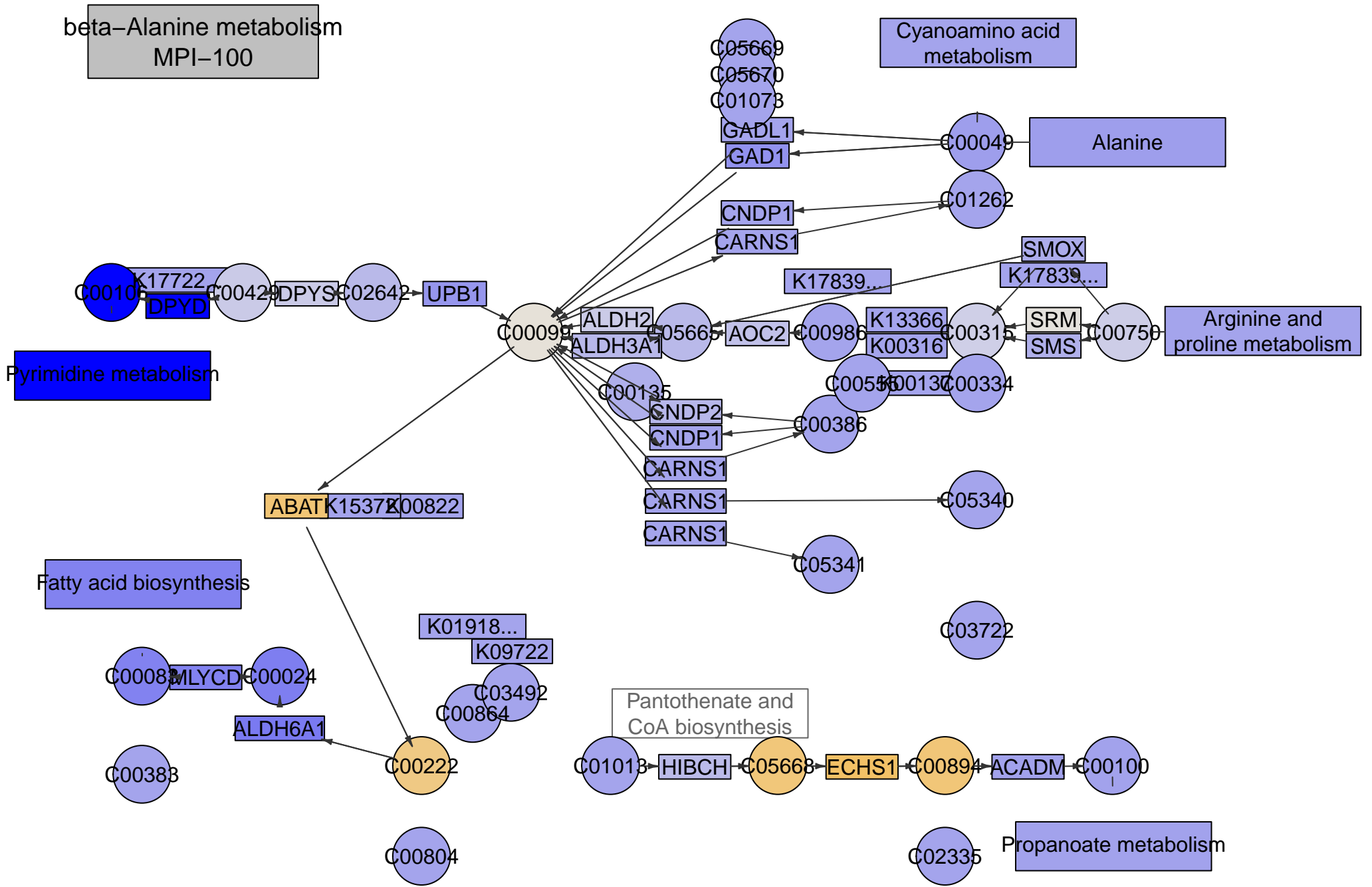


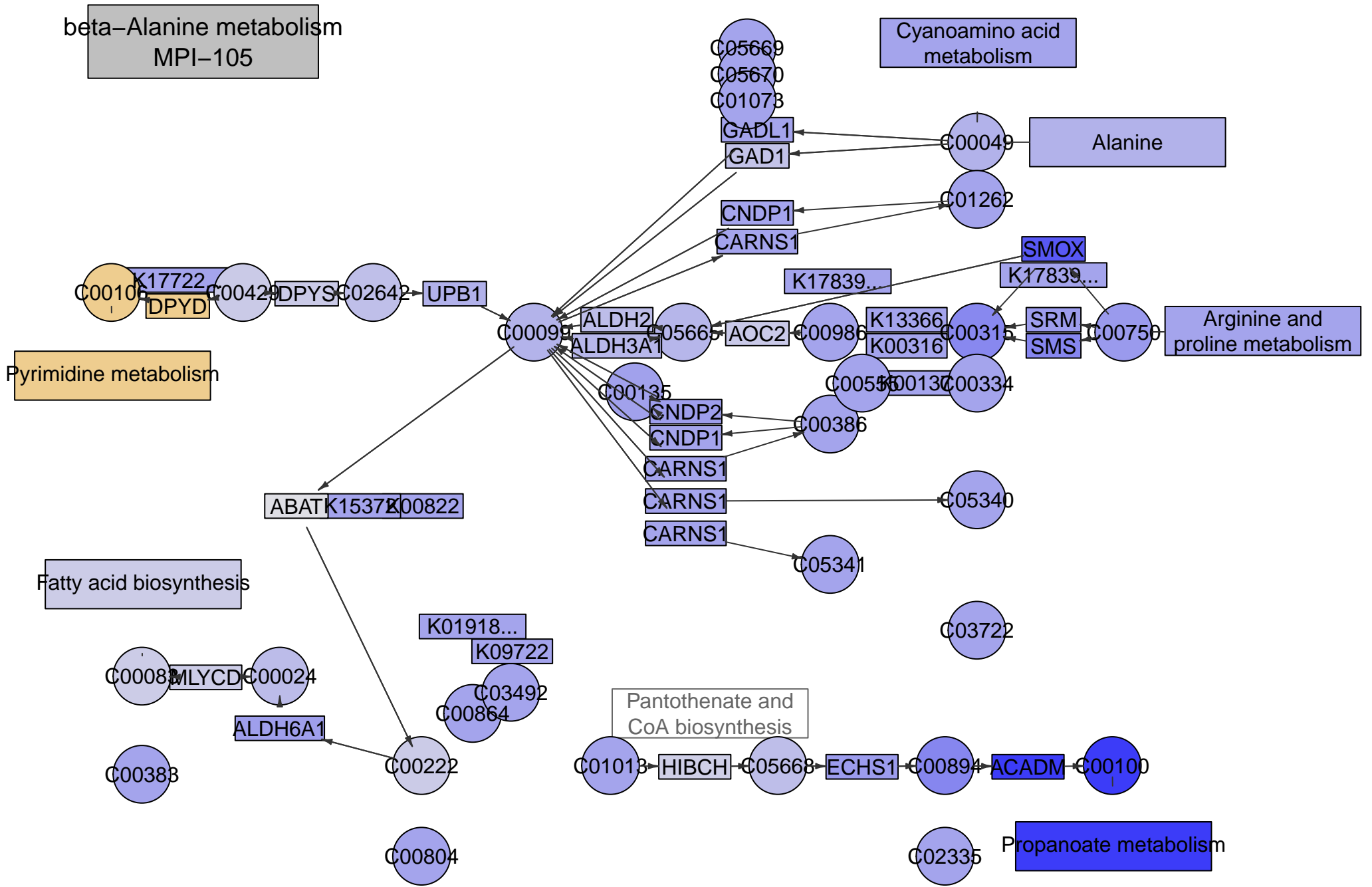


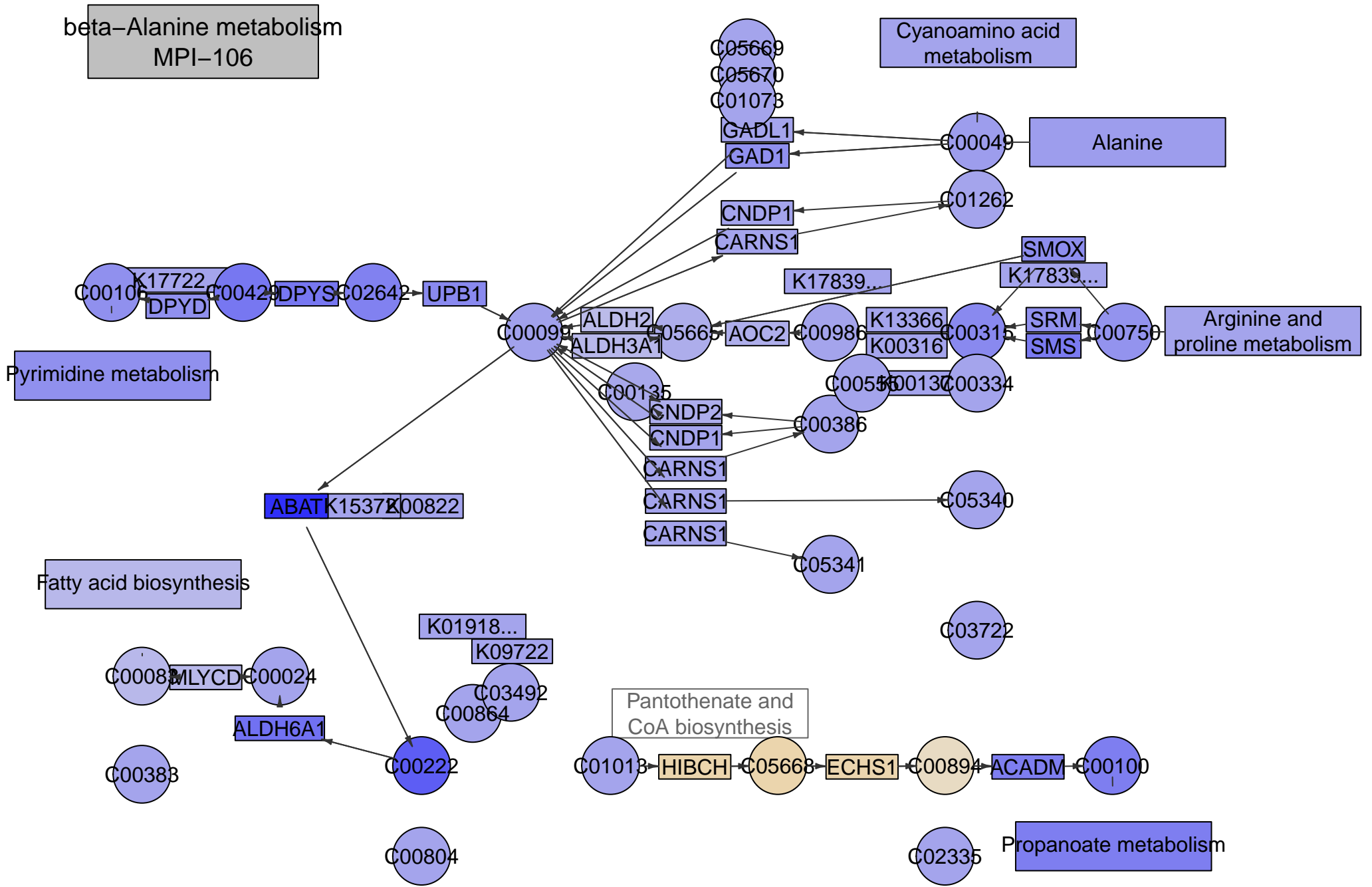


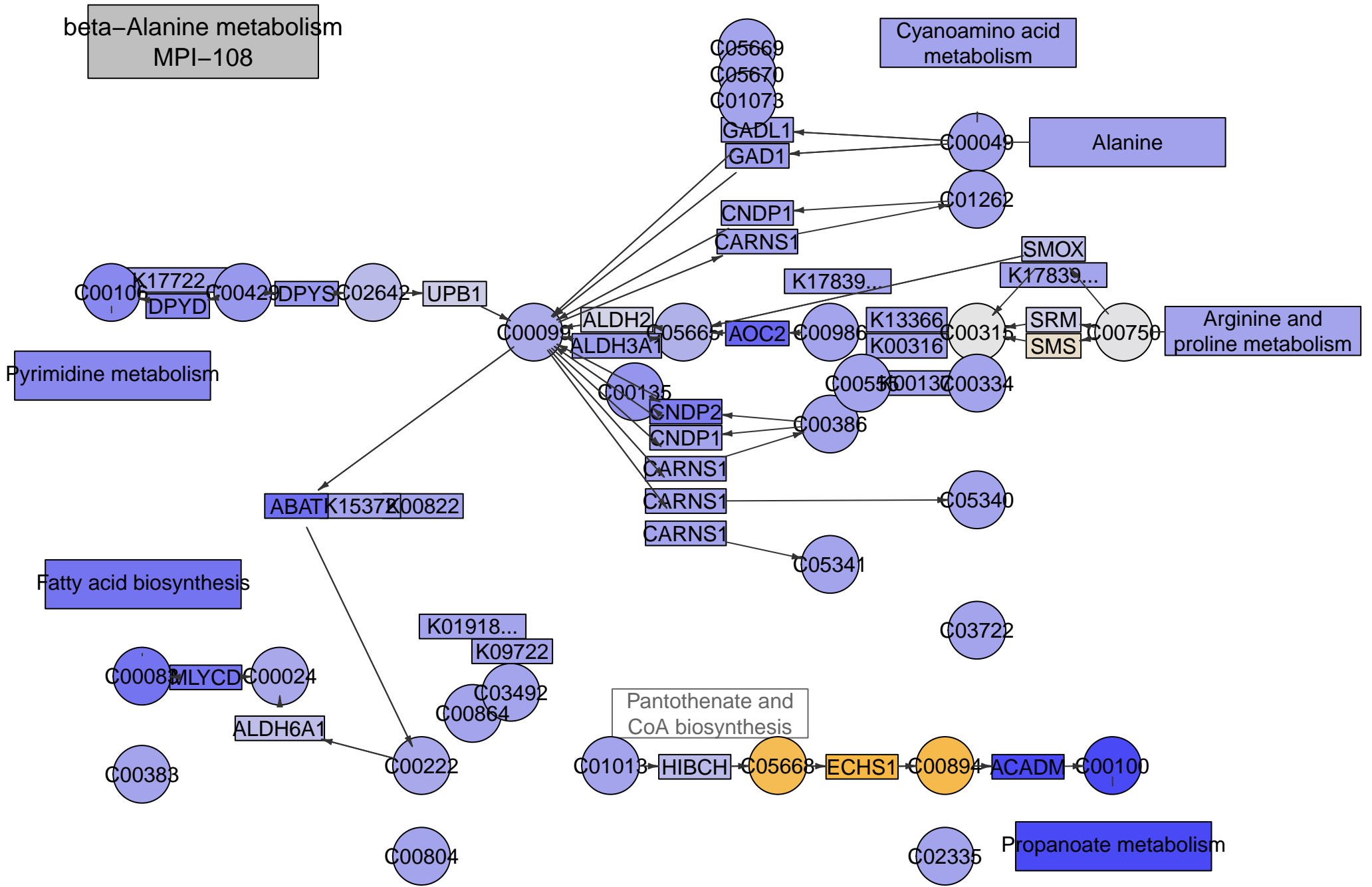


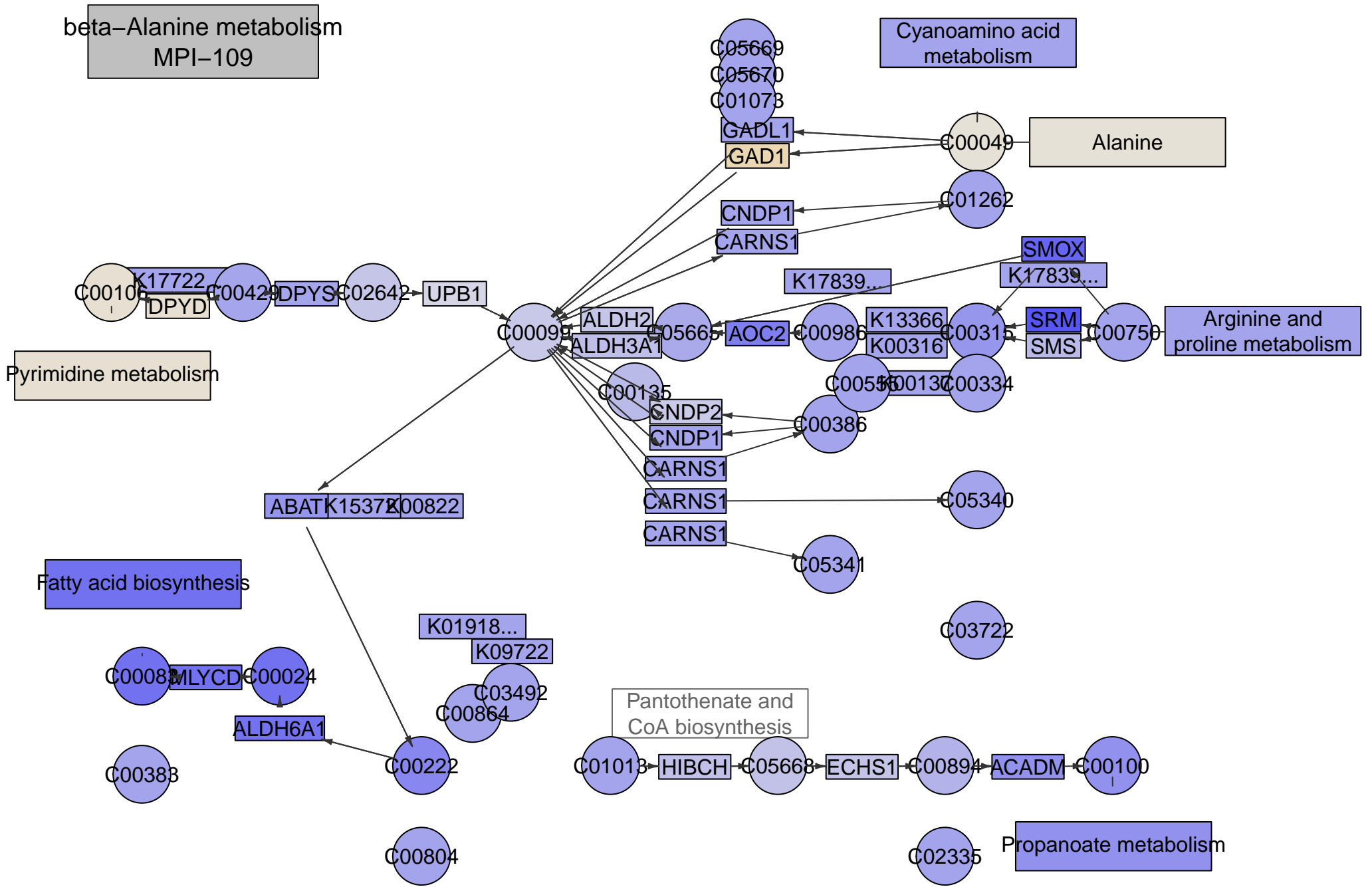


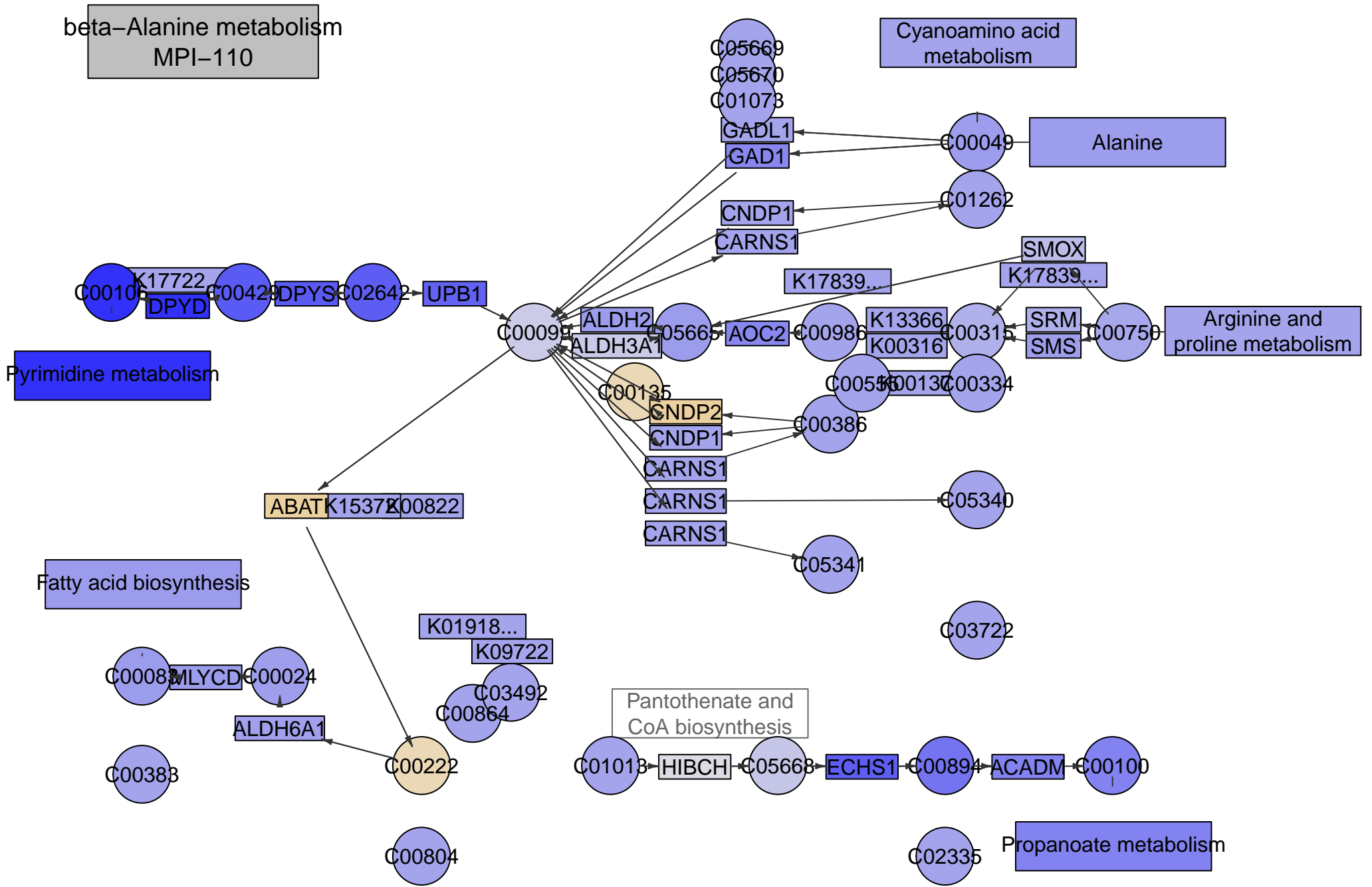


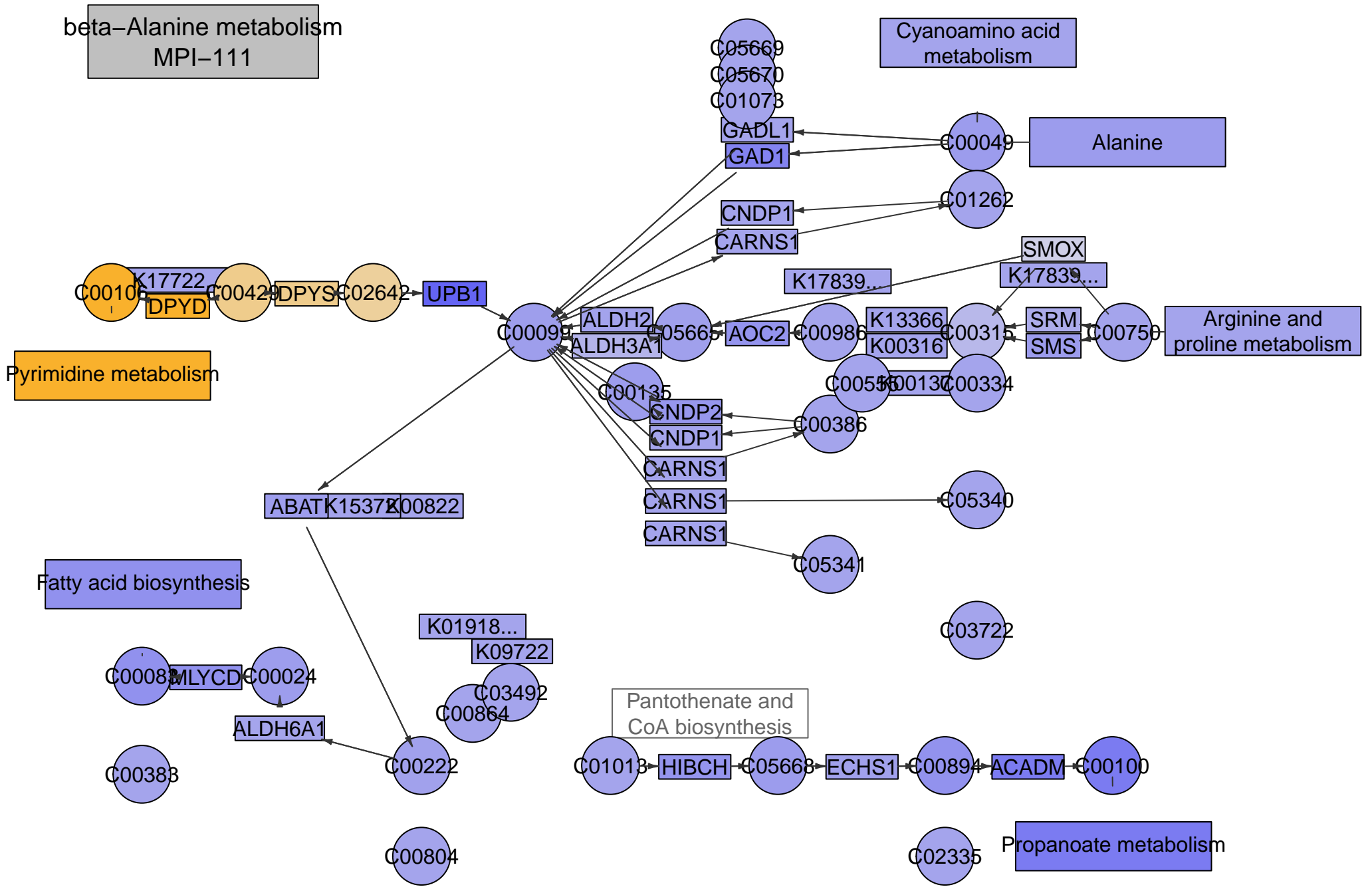












beta-Alanine metabolism
MPI-113

Cyanoamino acid metabolism

Alanine

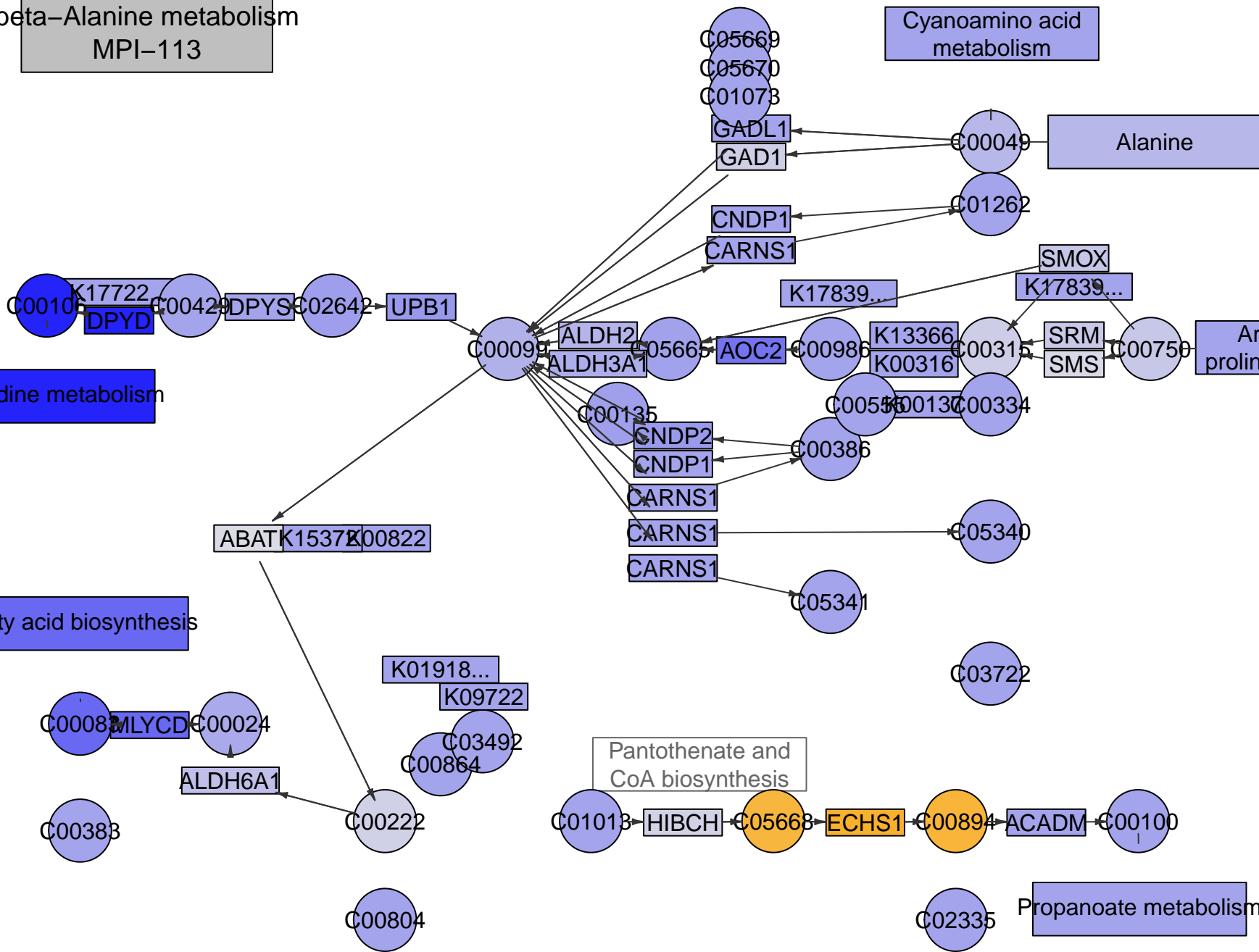
Arginine and proline metabolism

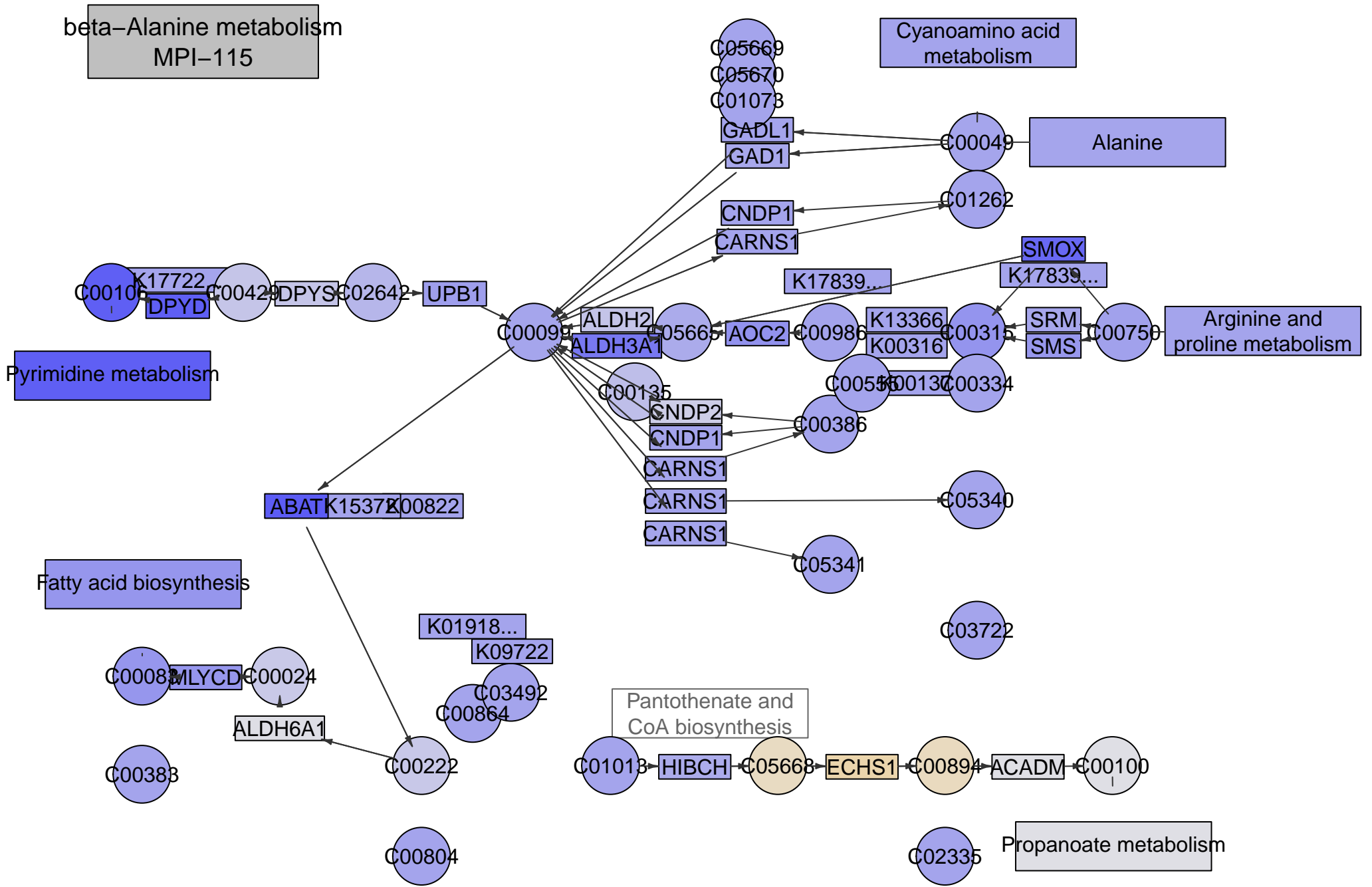
Pyrimidine metabolism

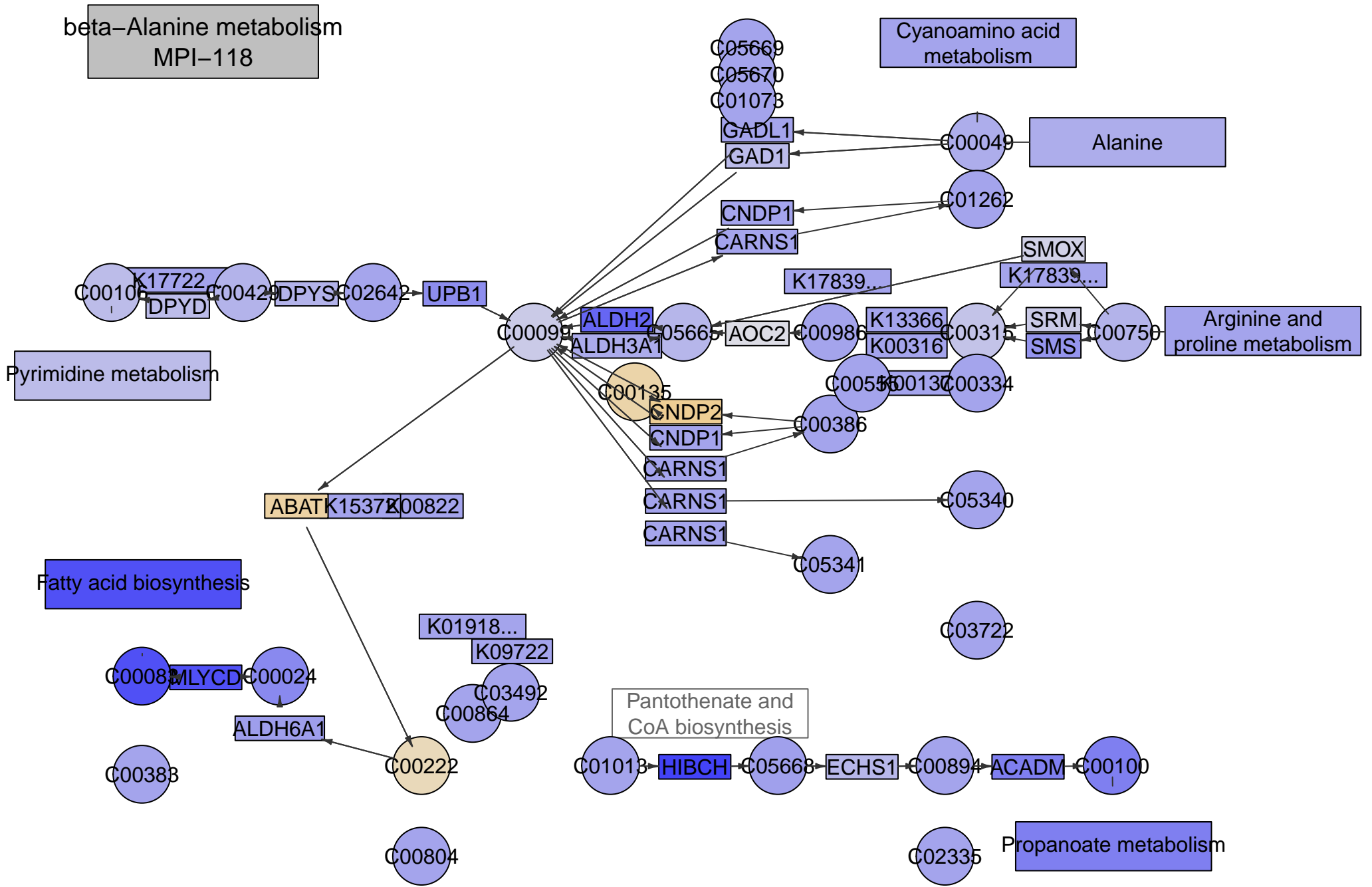
Fatty acid biosynthesis

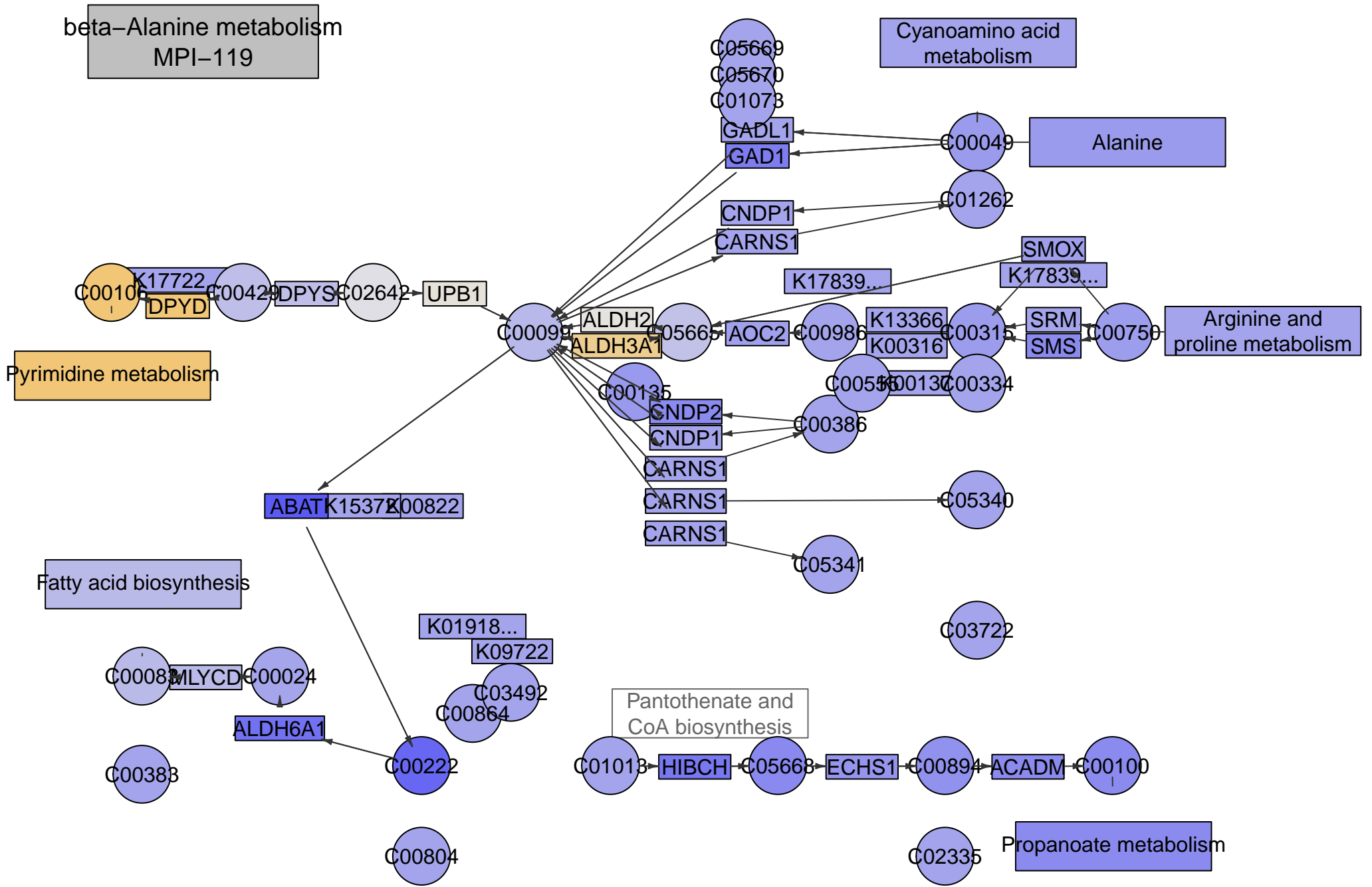
Pantothenate and CoA biosynthesis

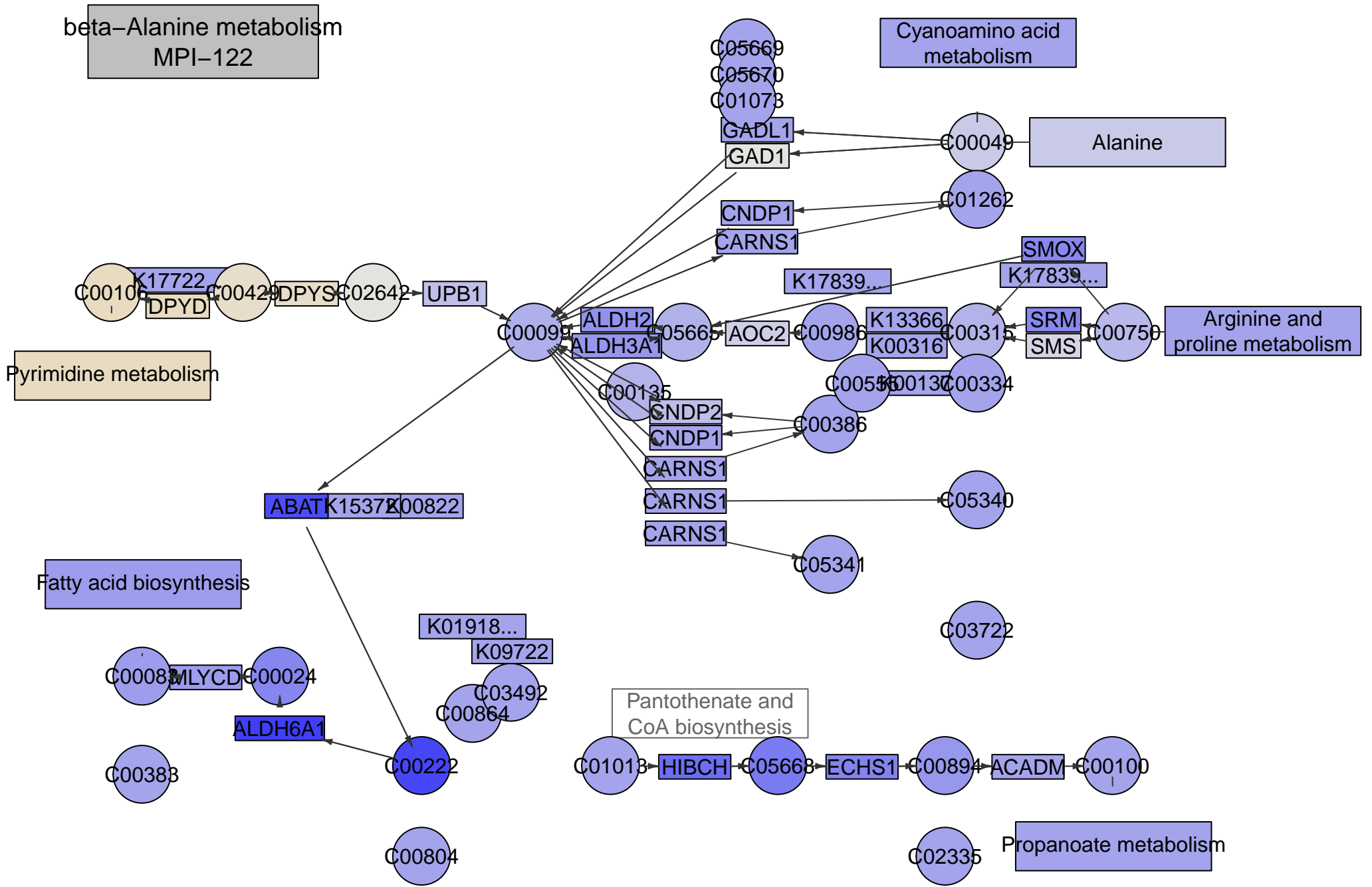
Propanoate metabolism

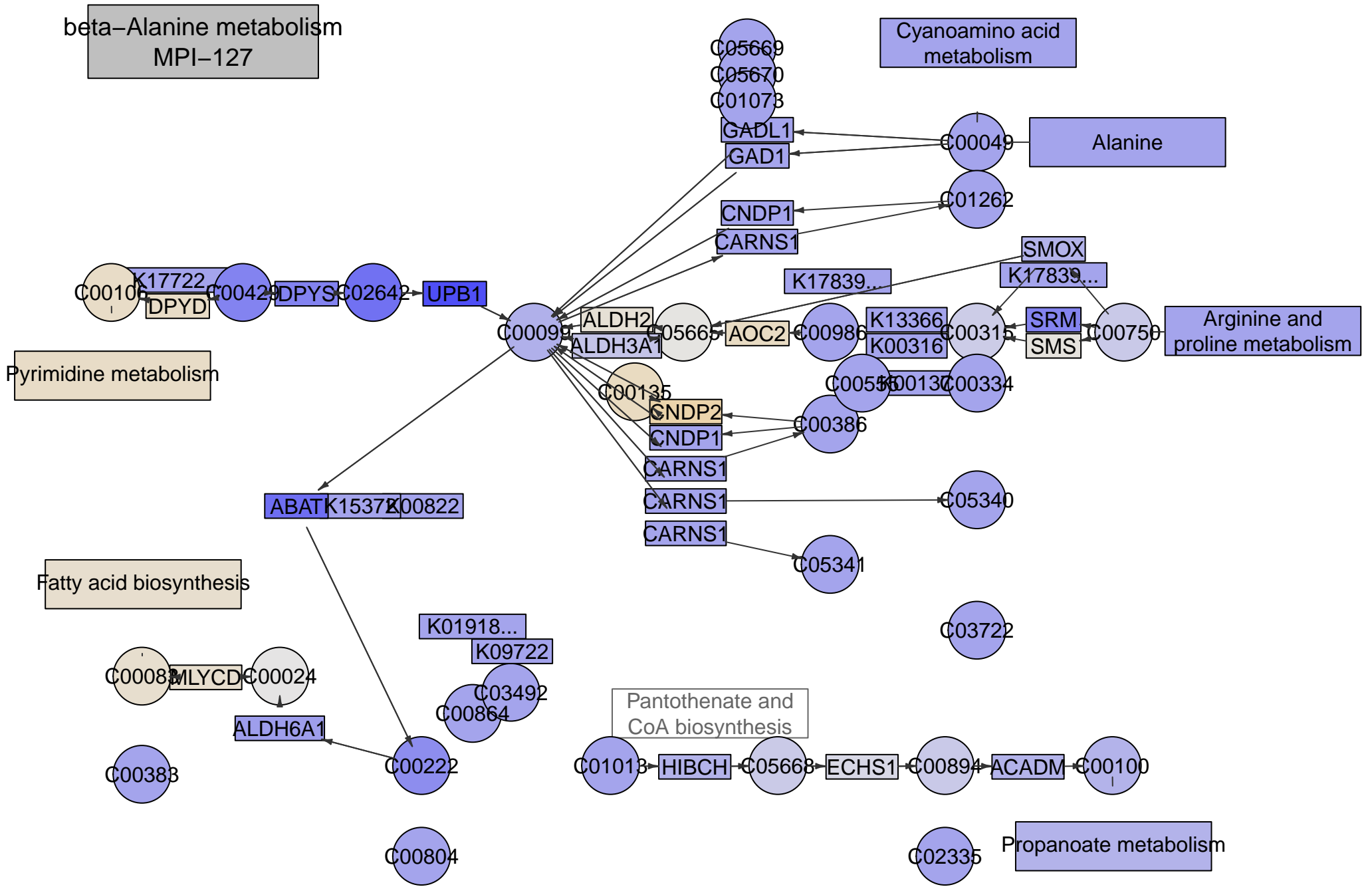


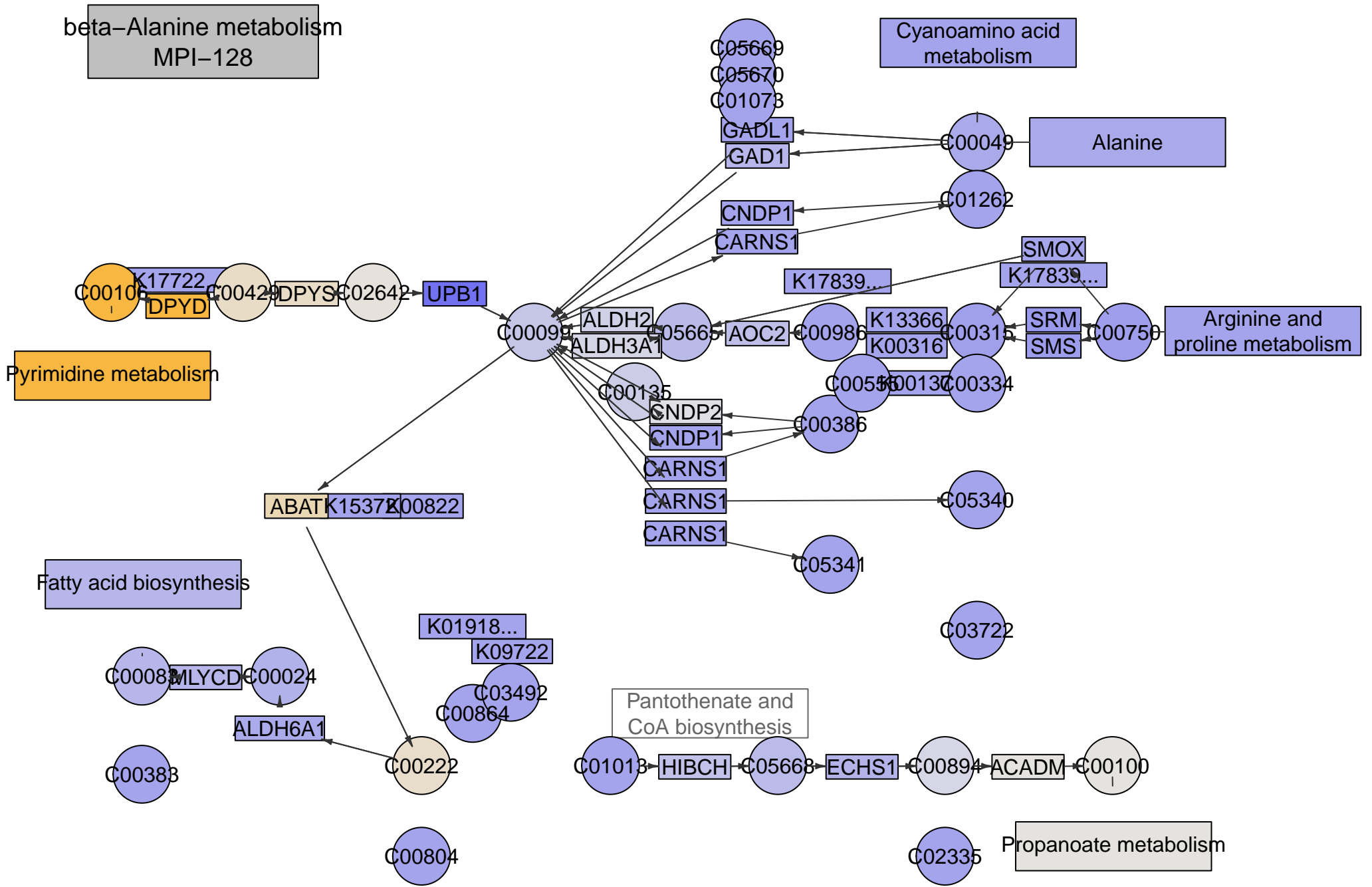


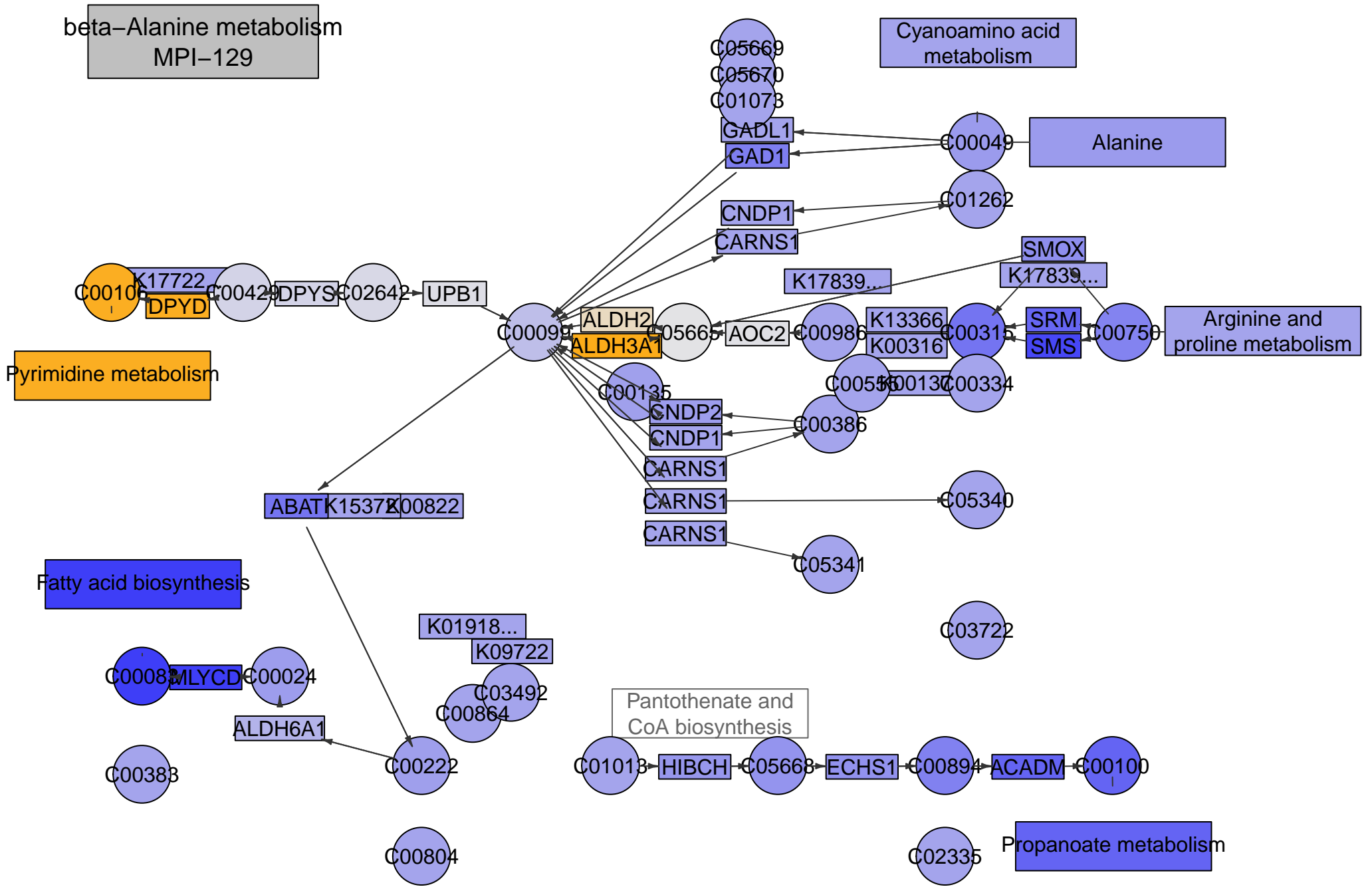


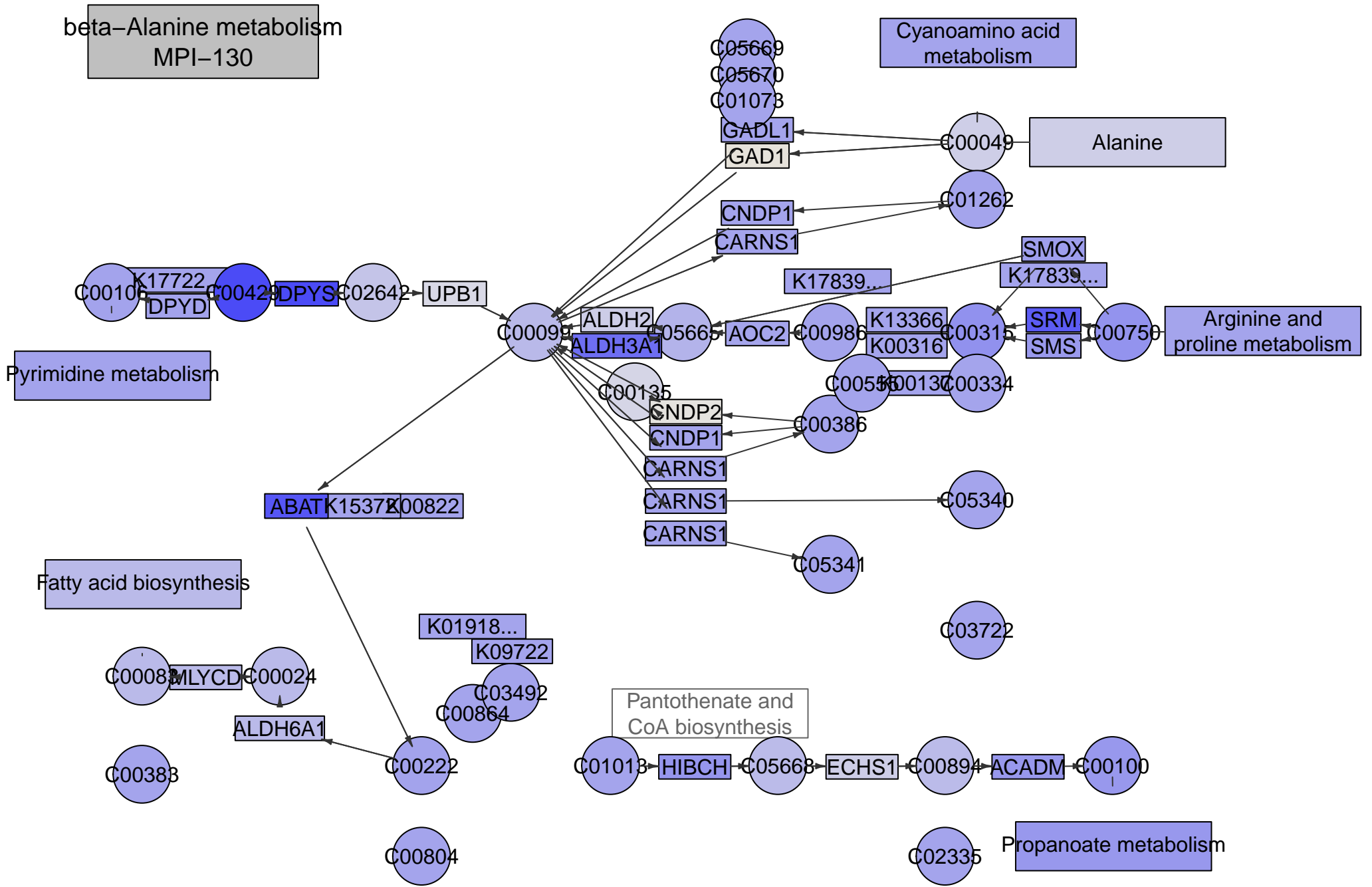


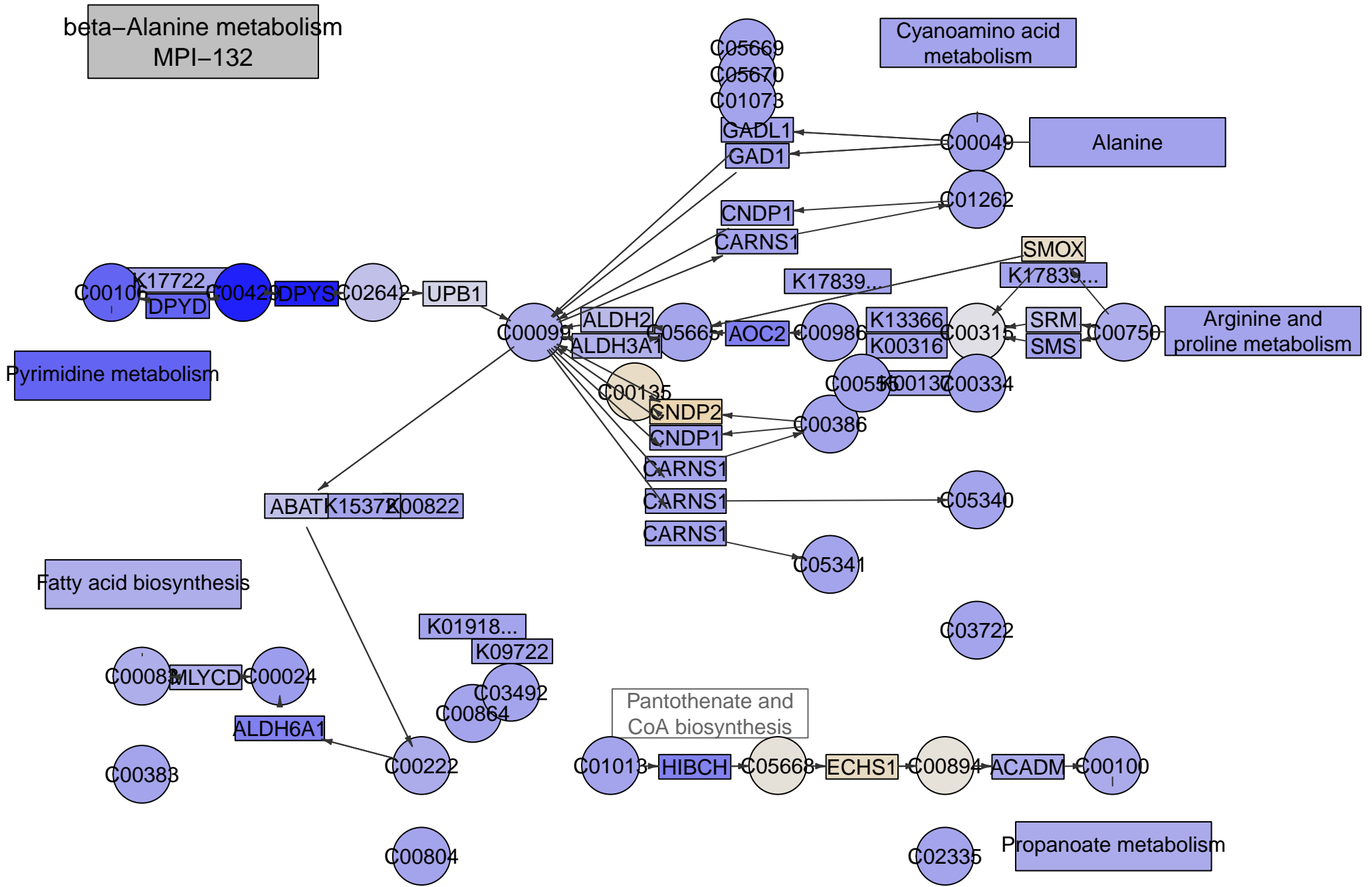


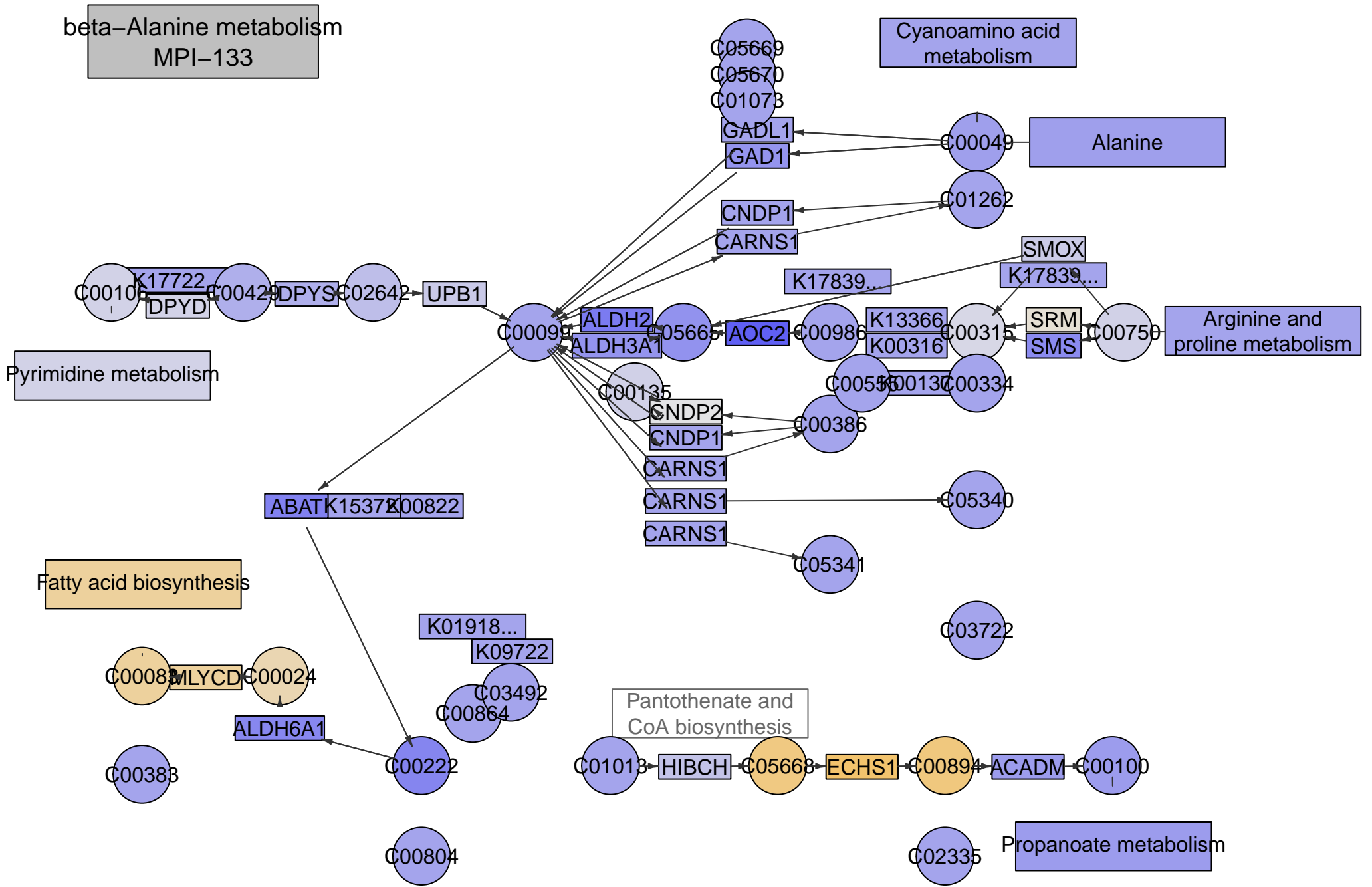


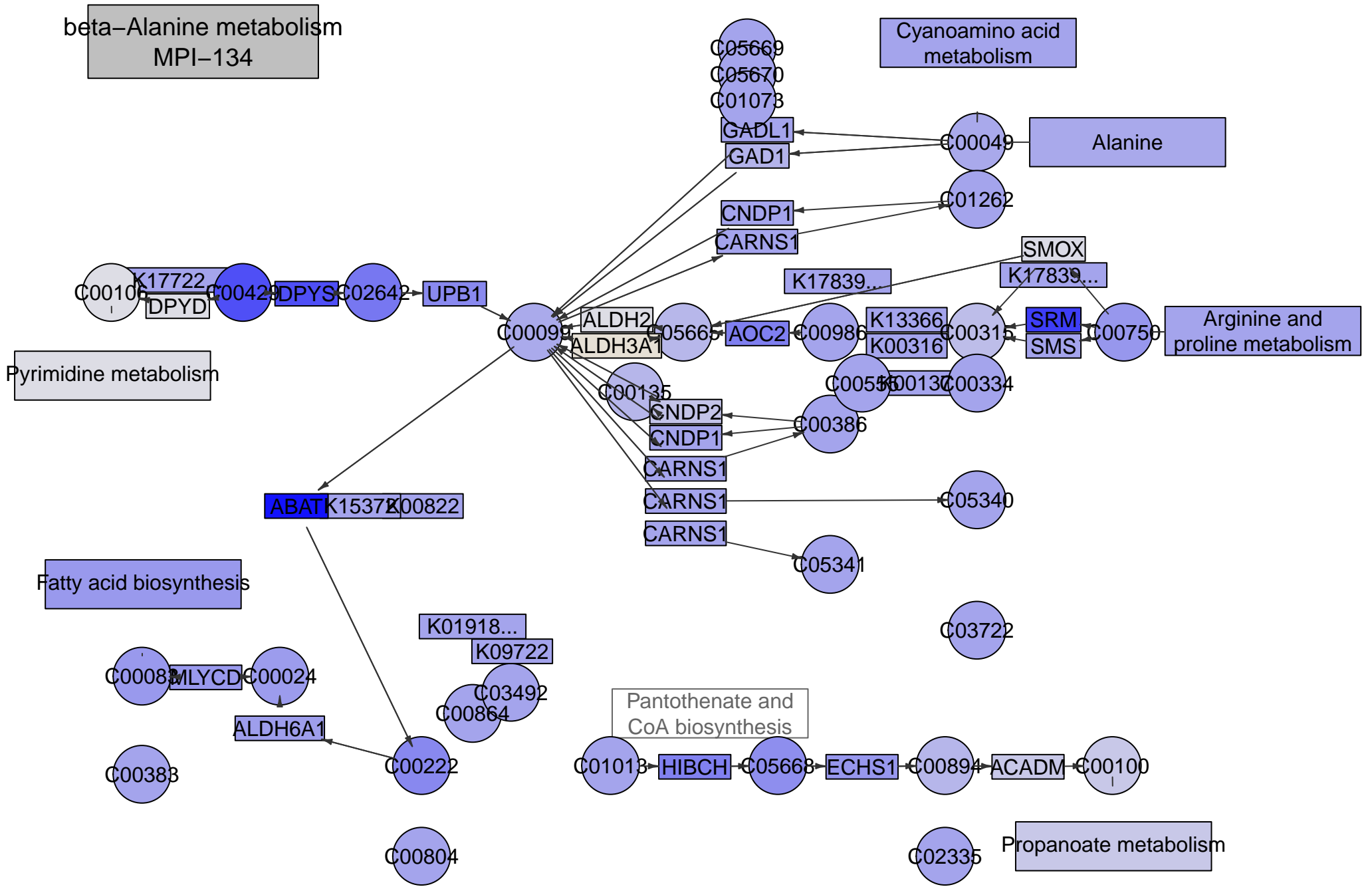


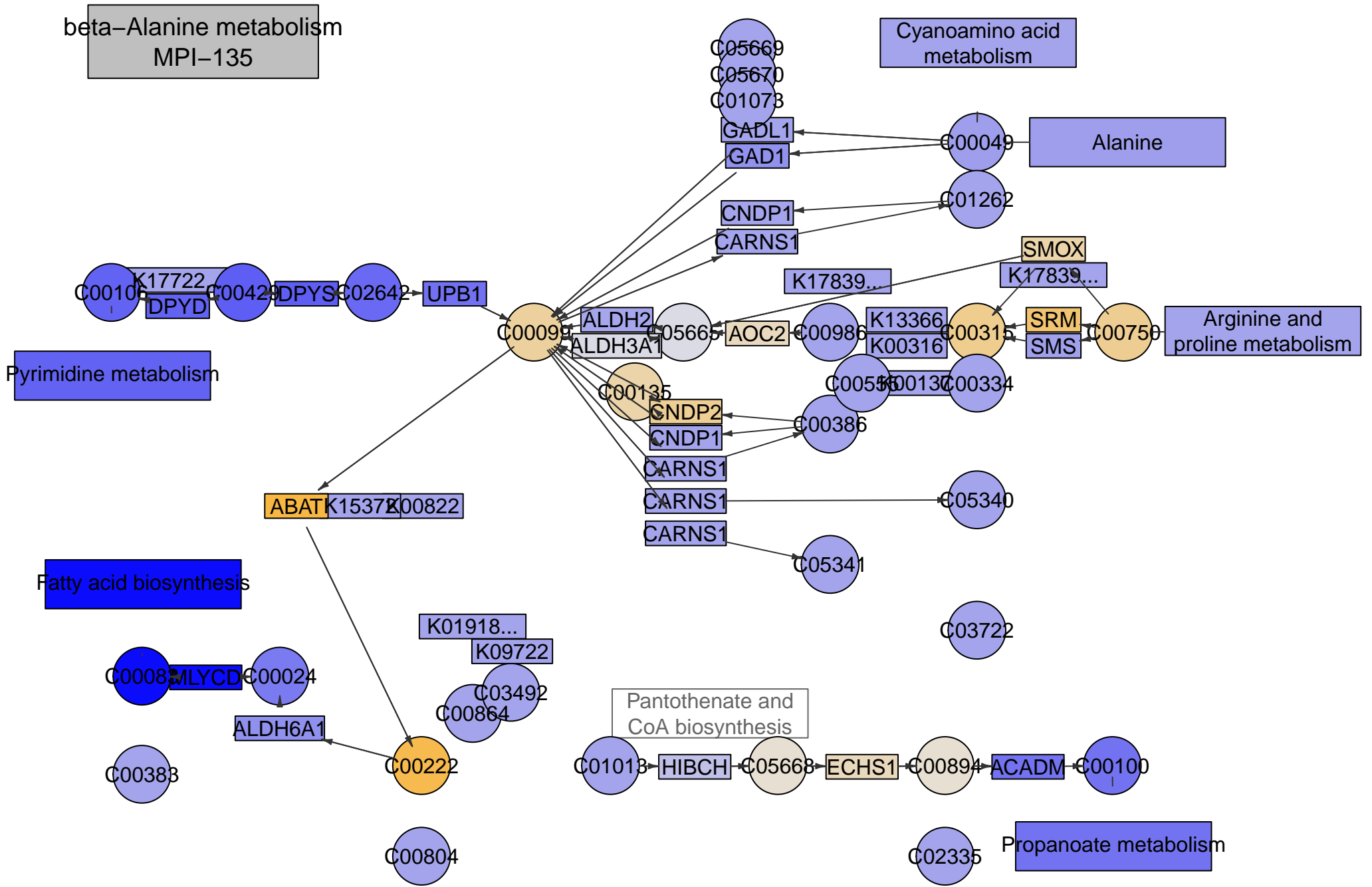


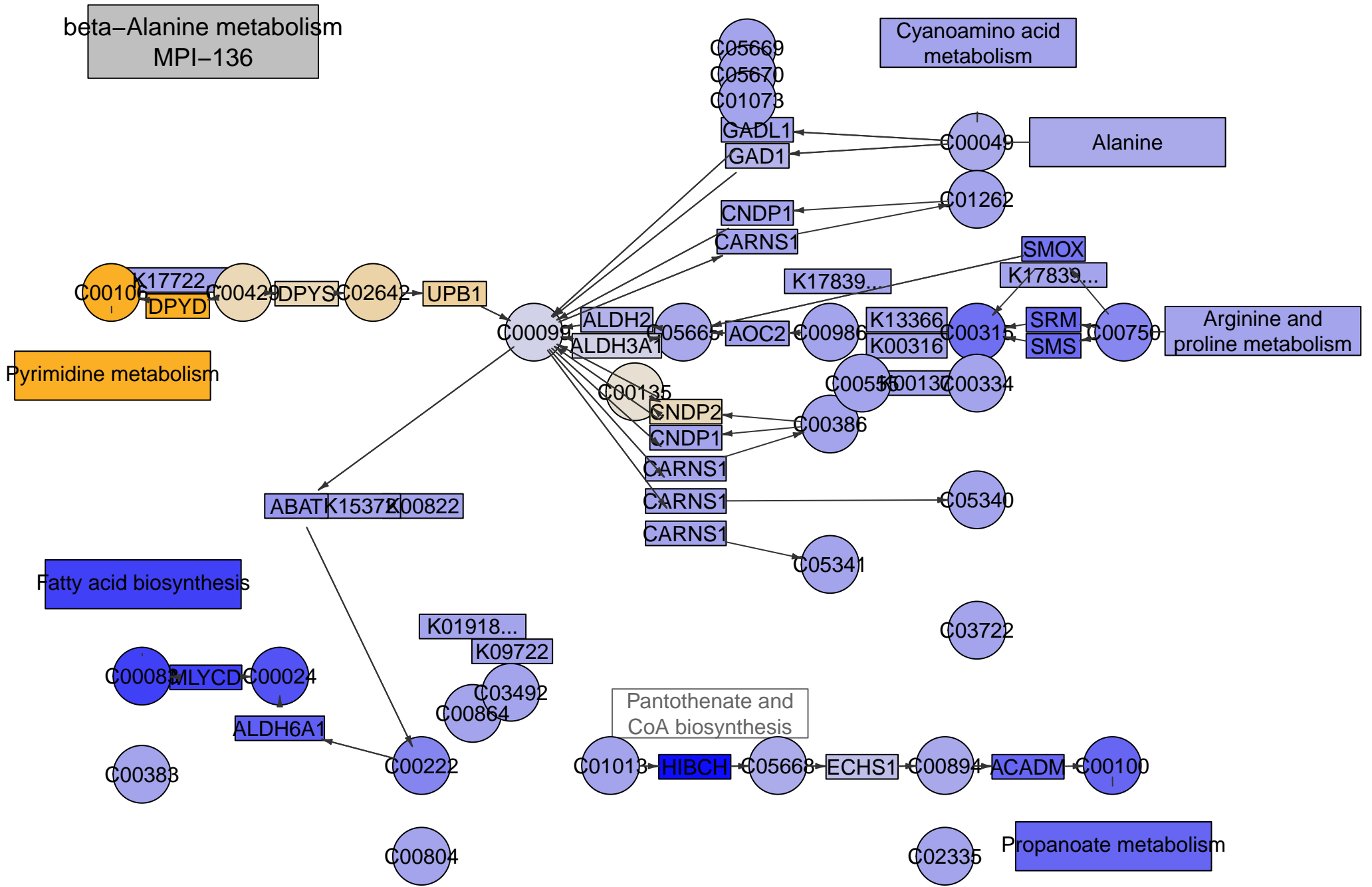


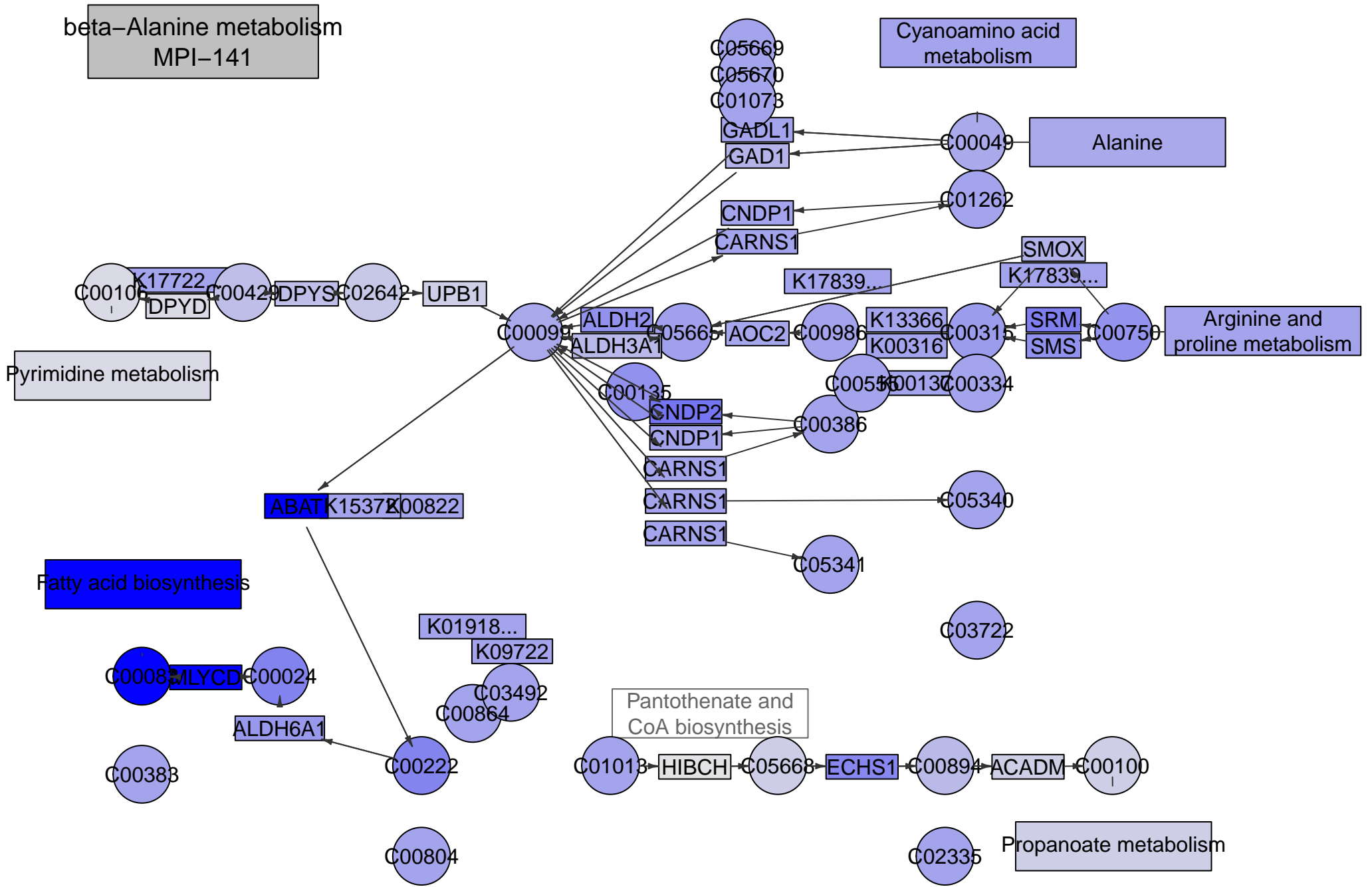


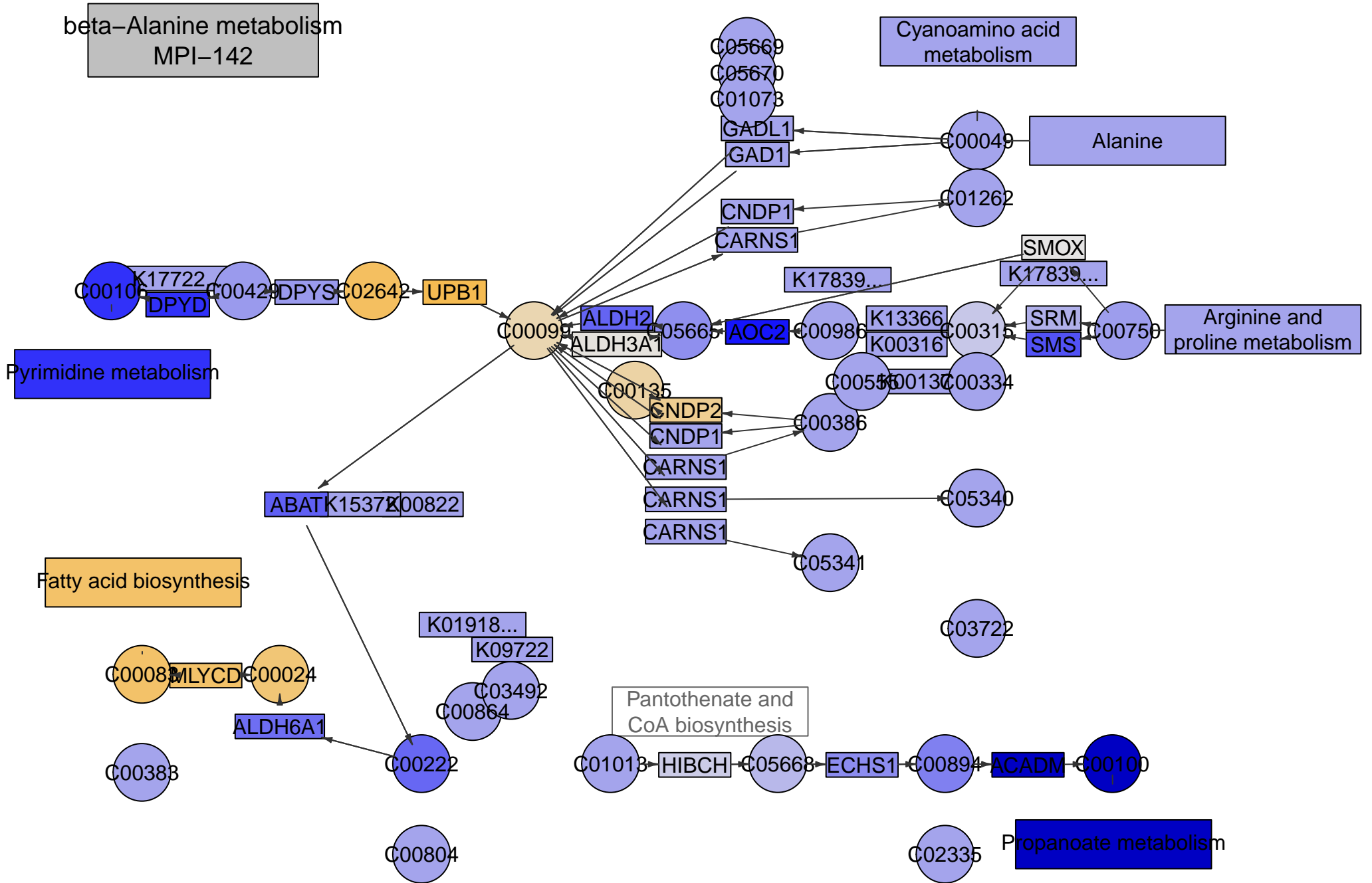


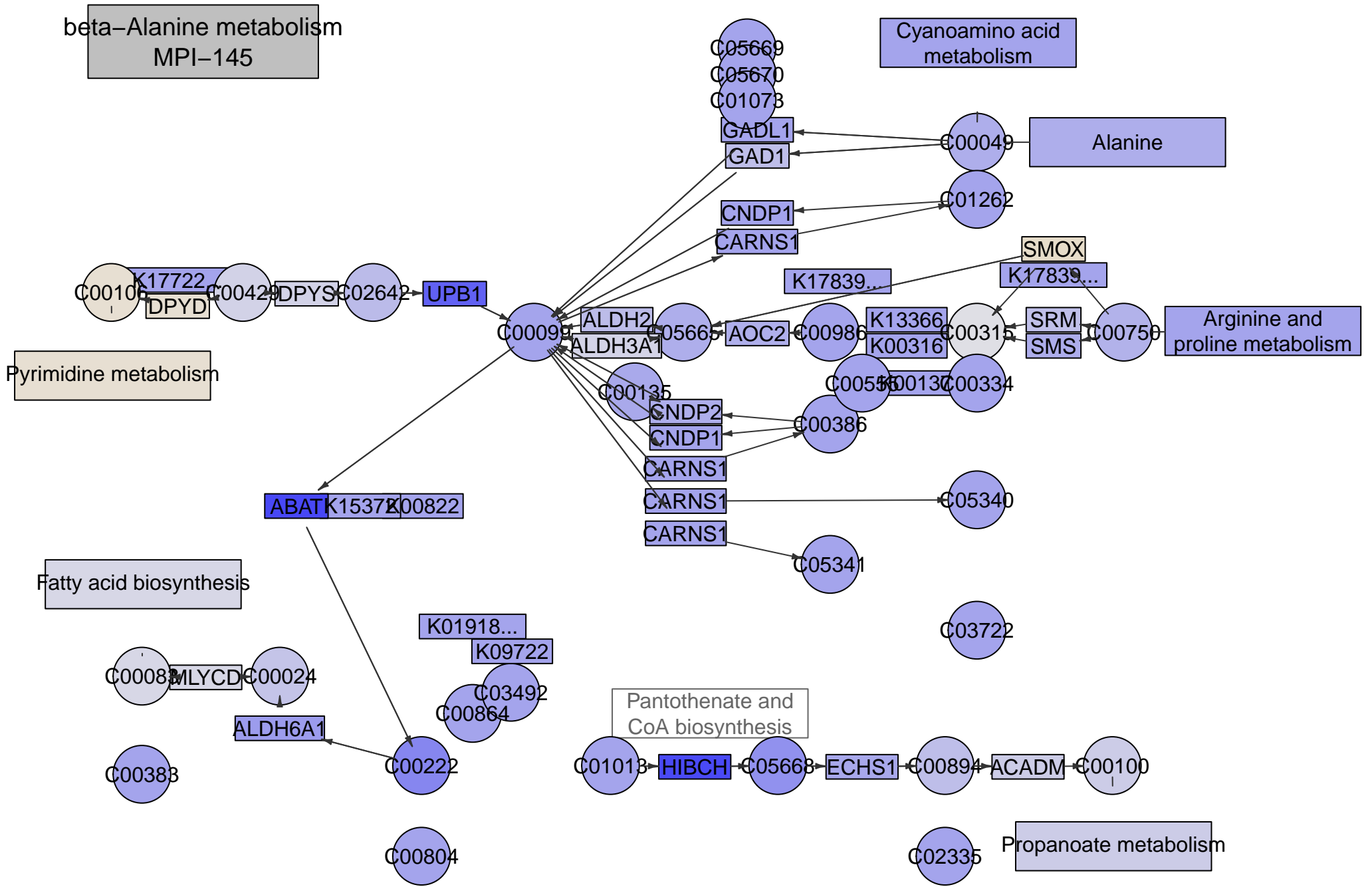


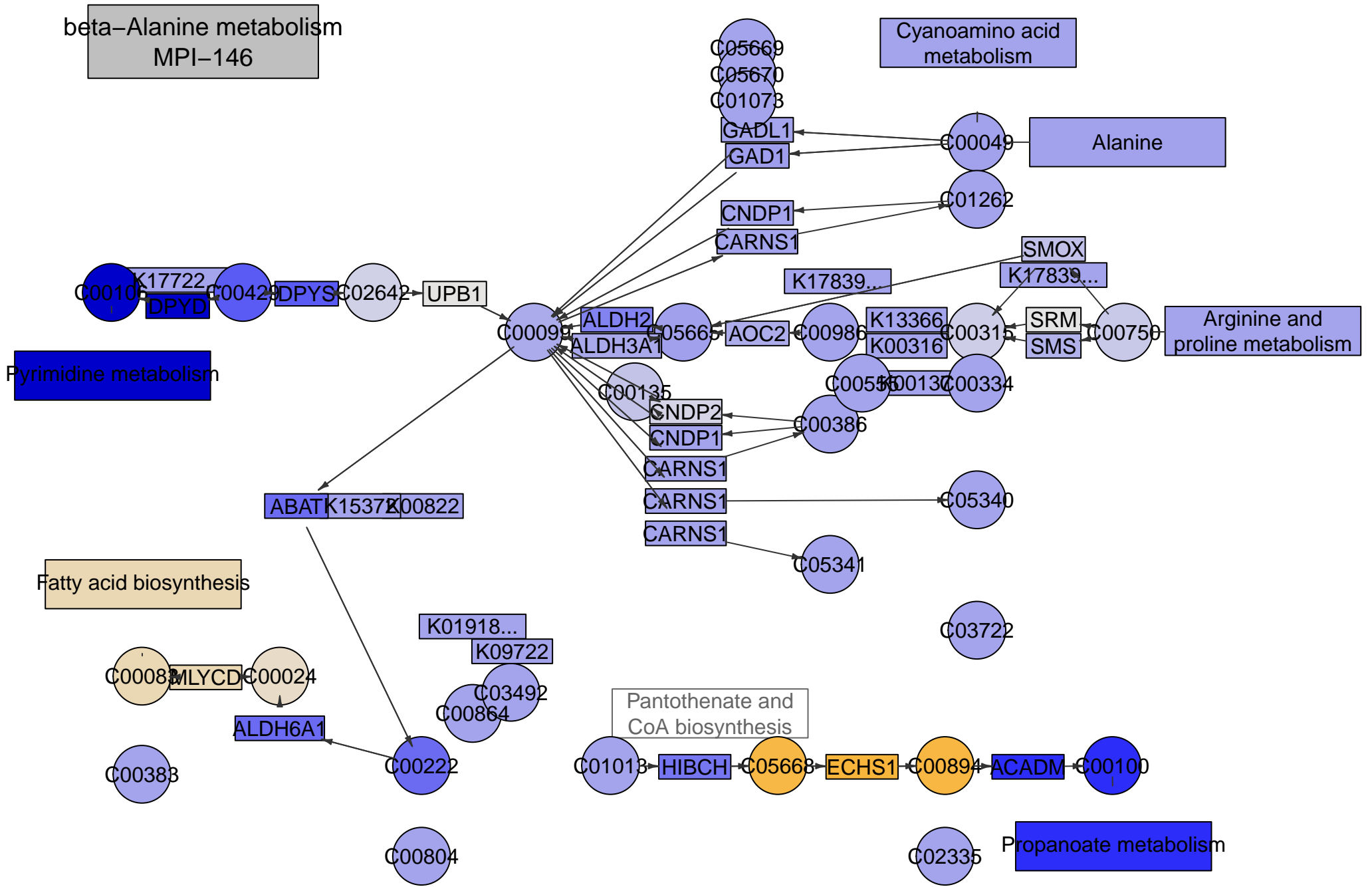


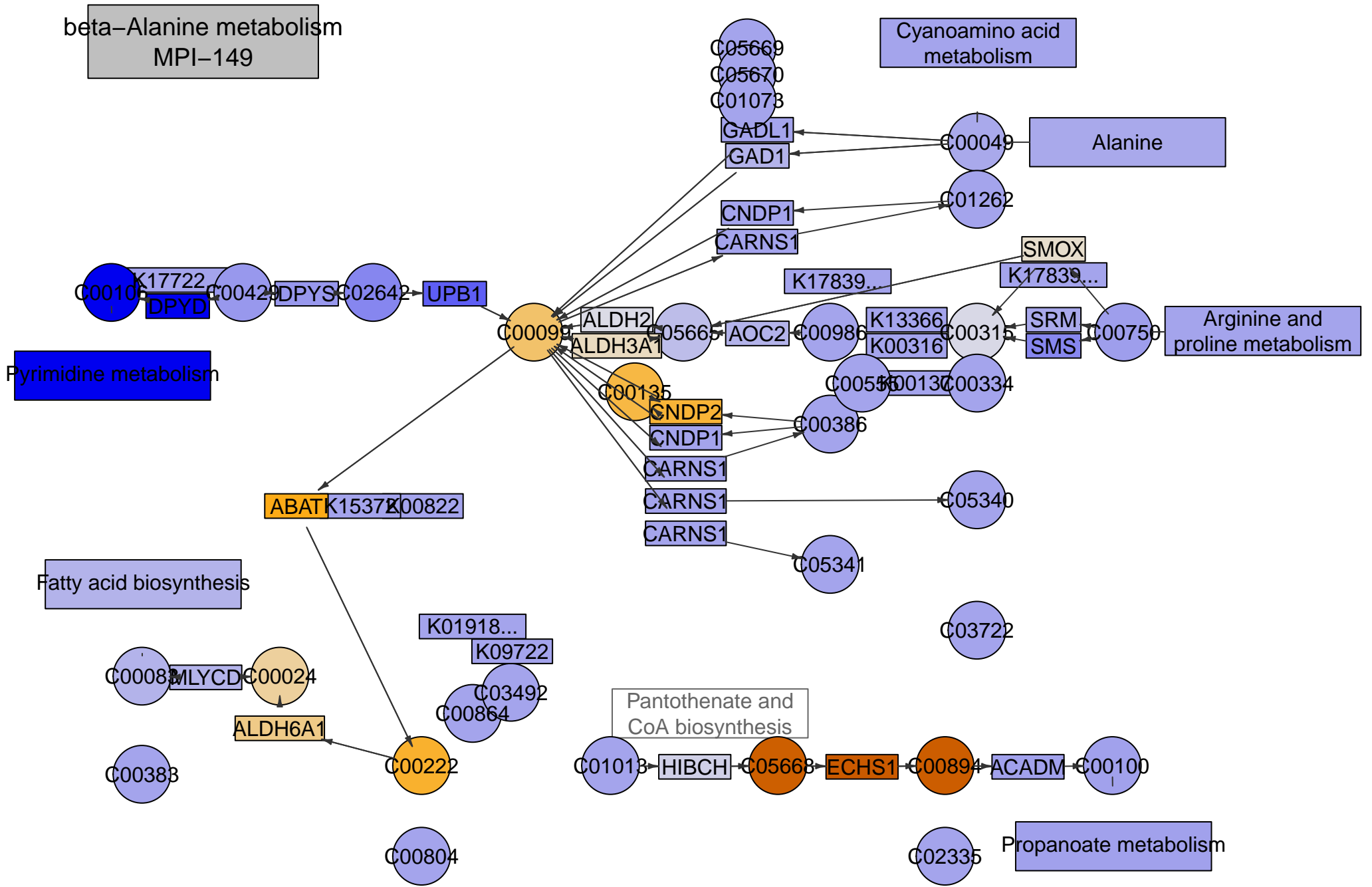


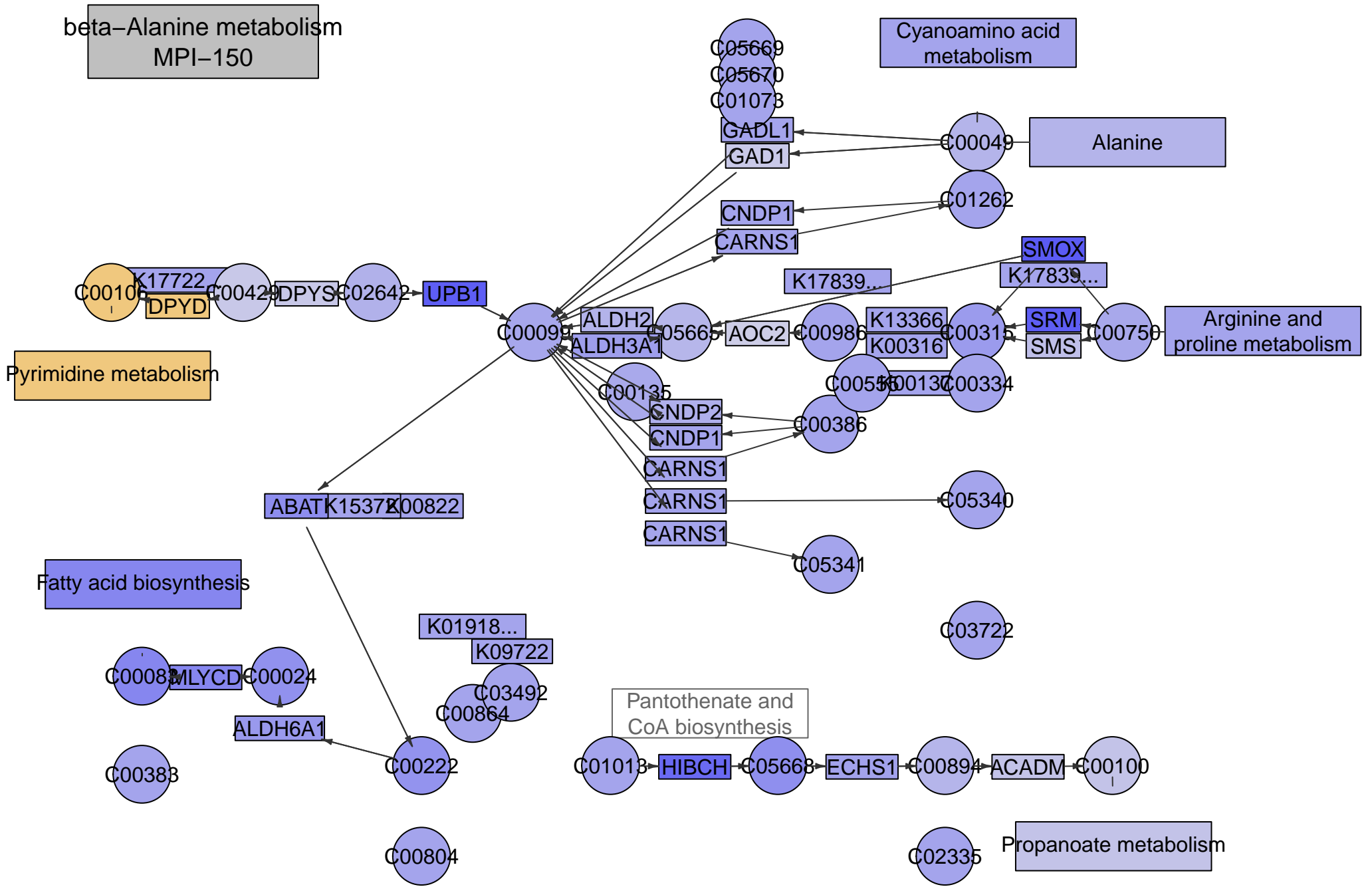


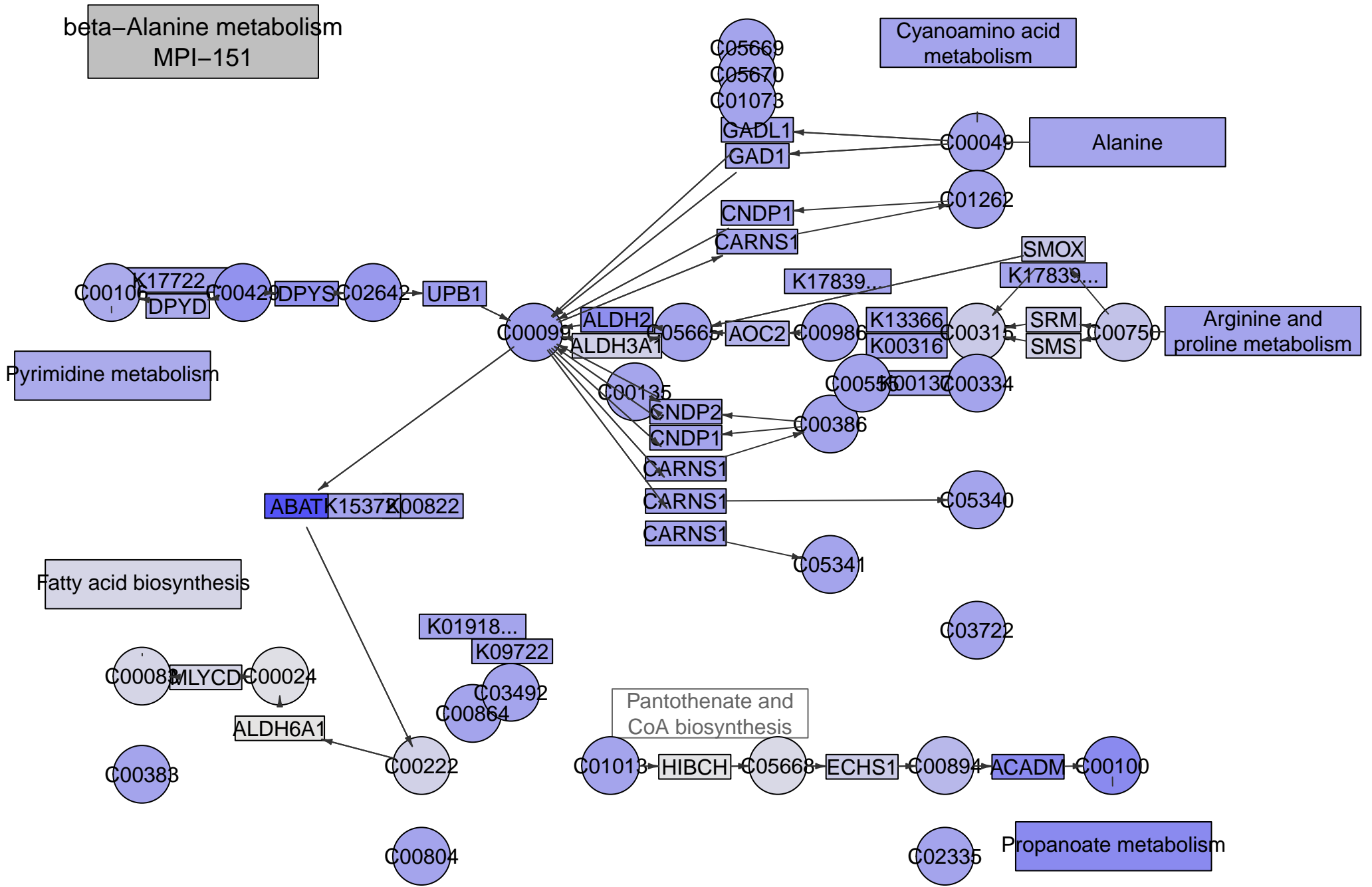


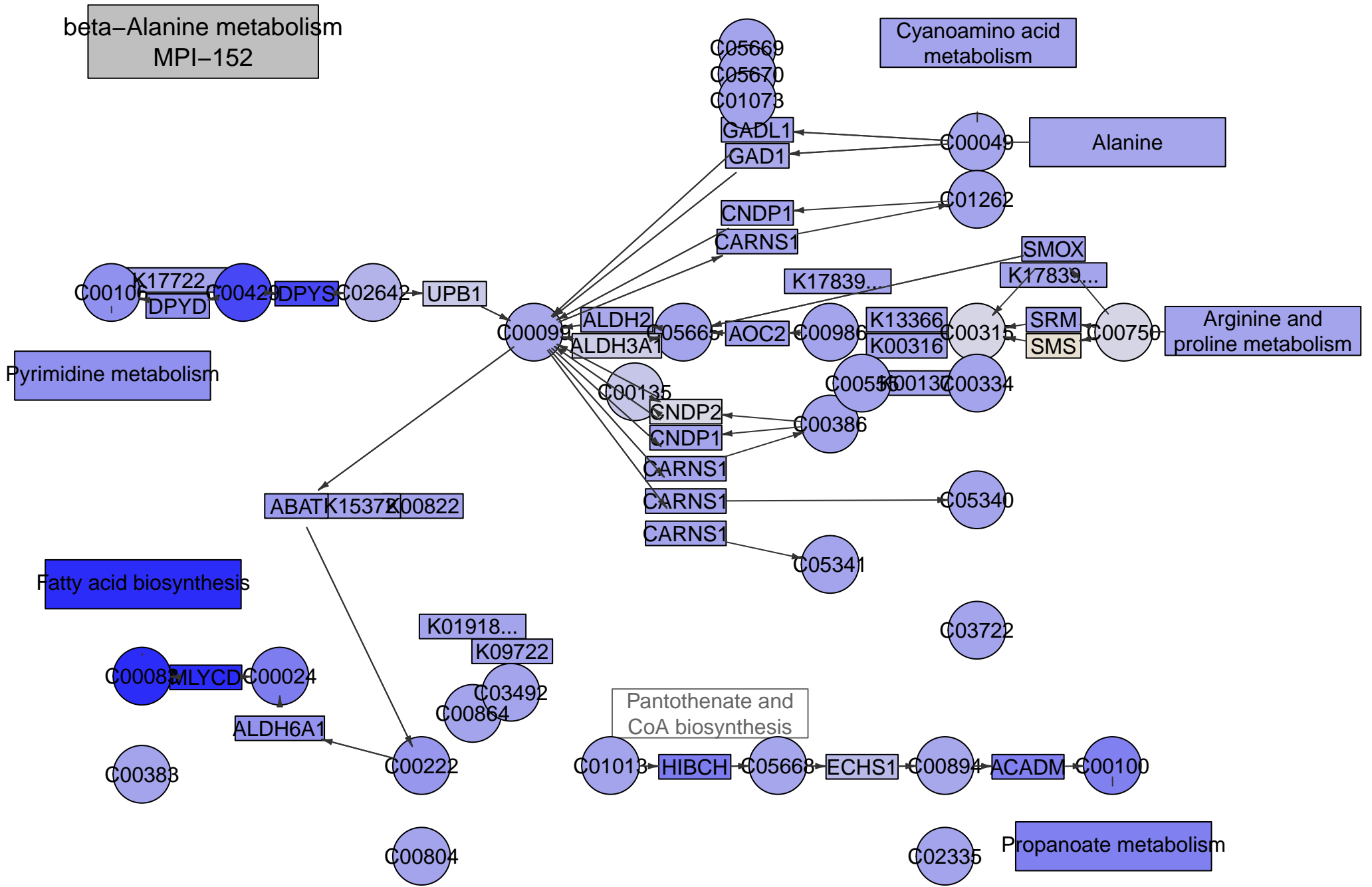


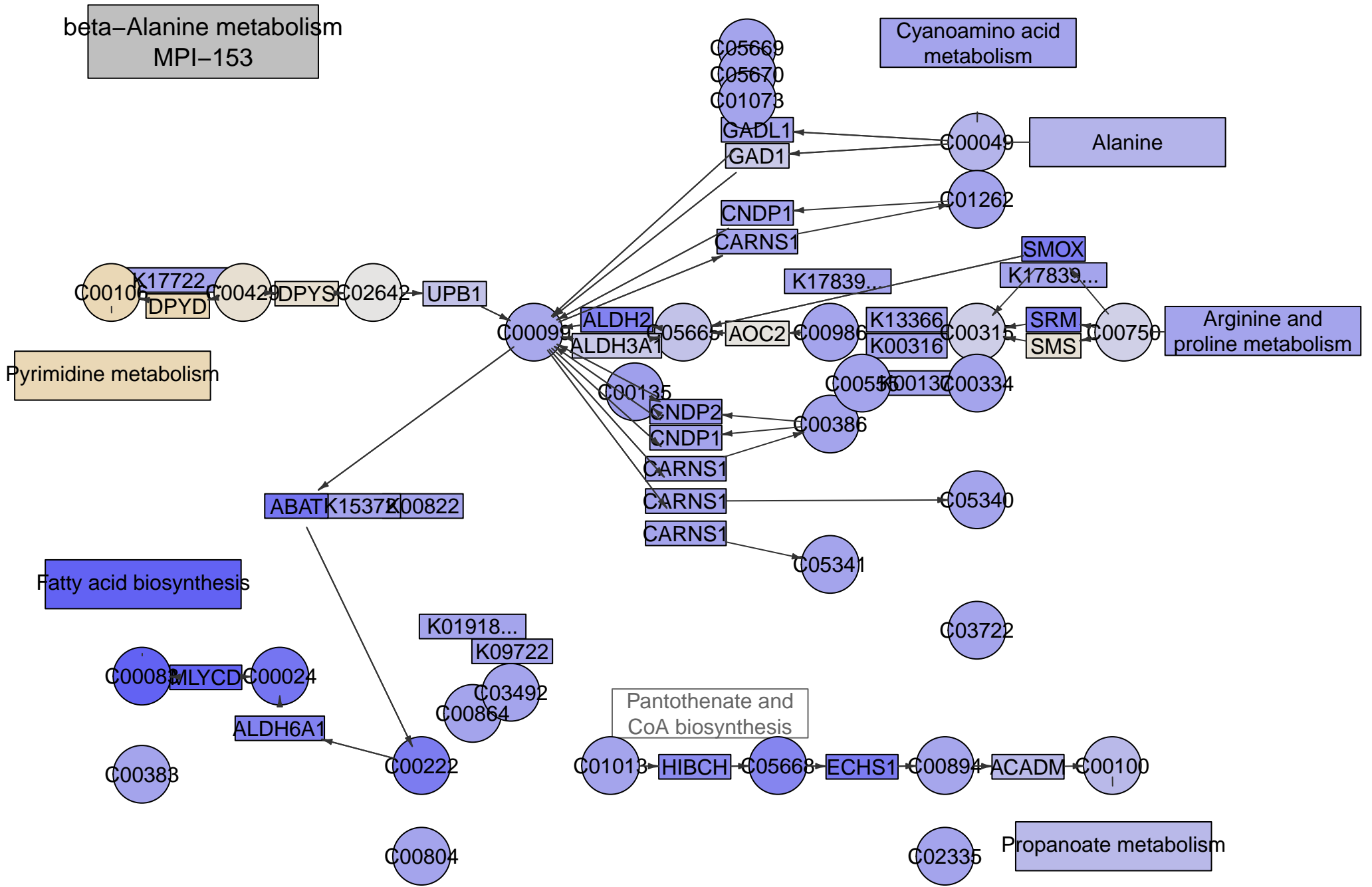


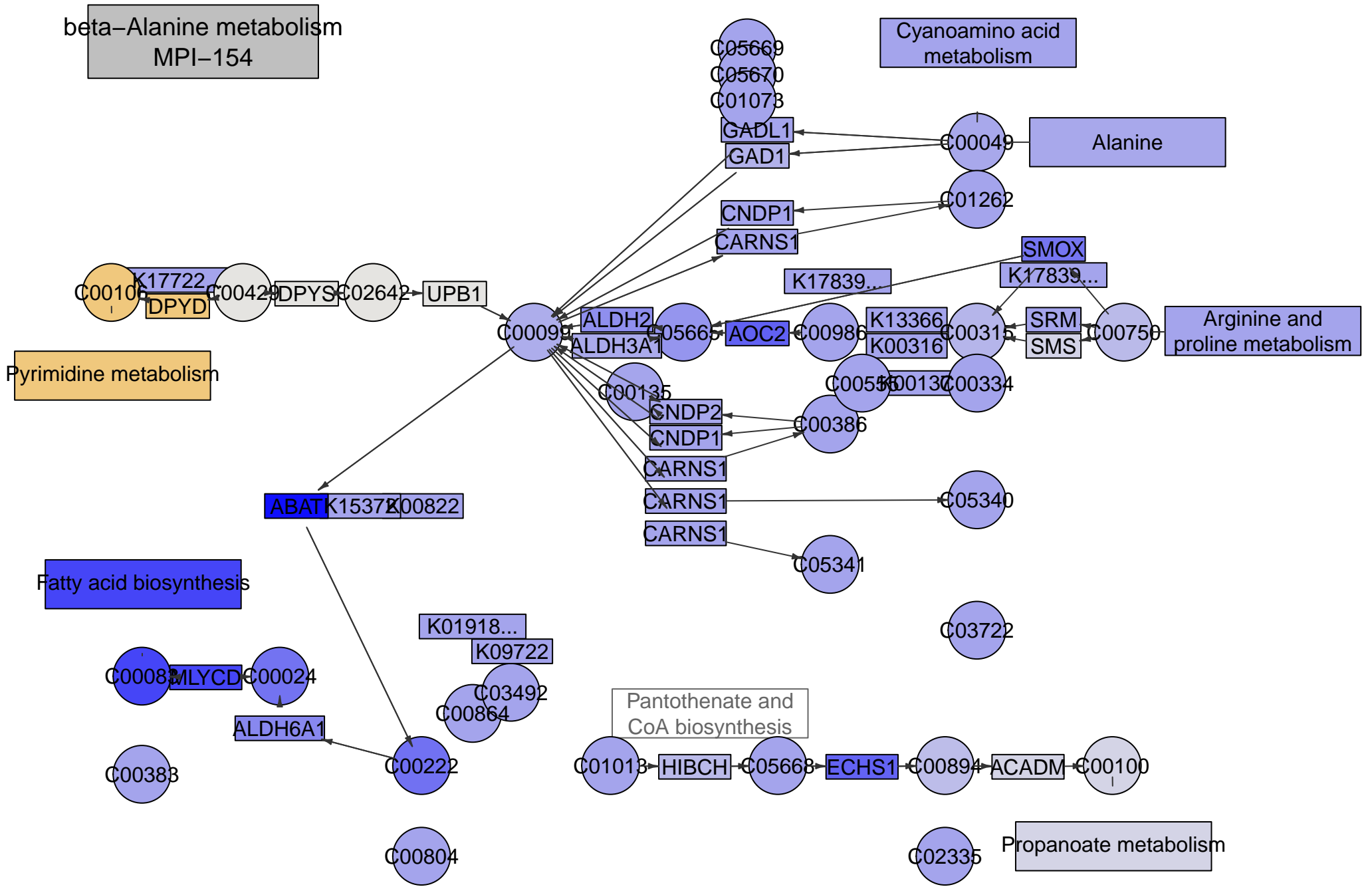


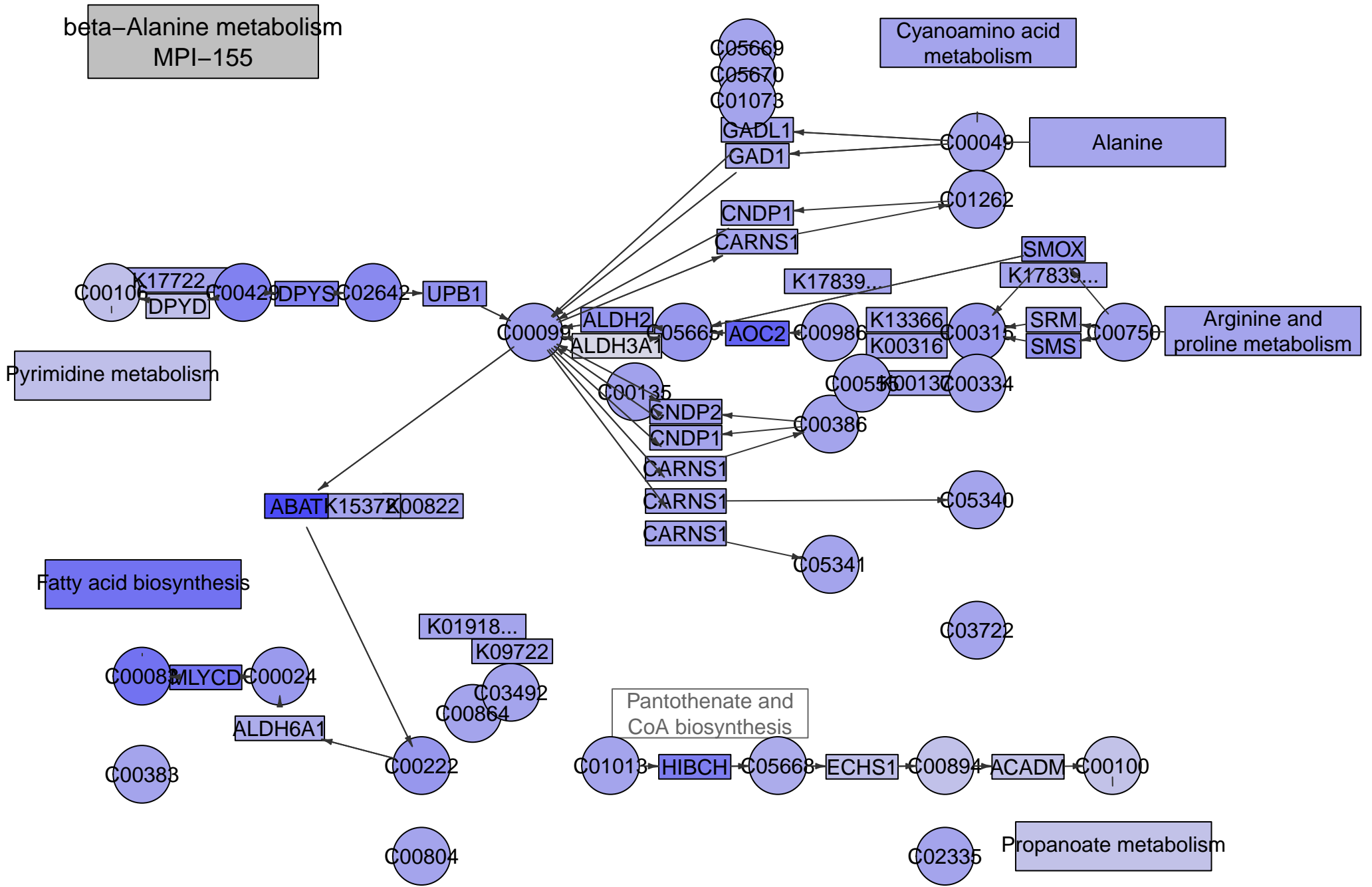


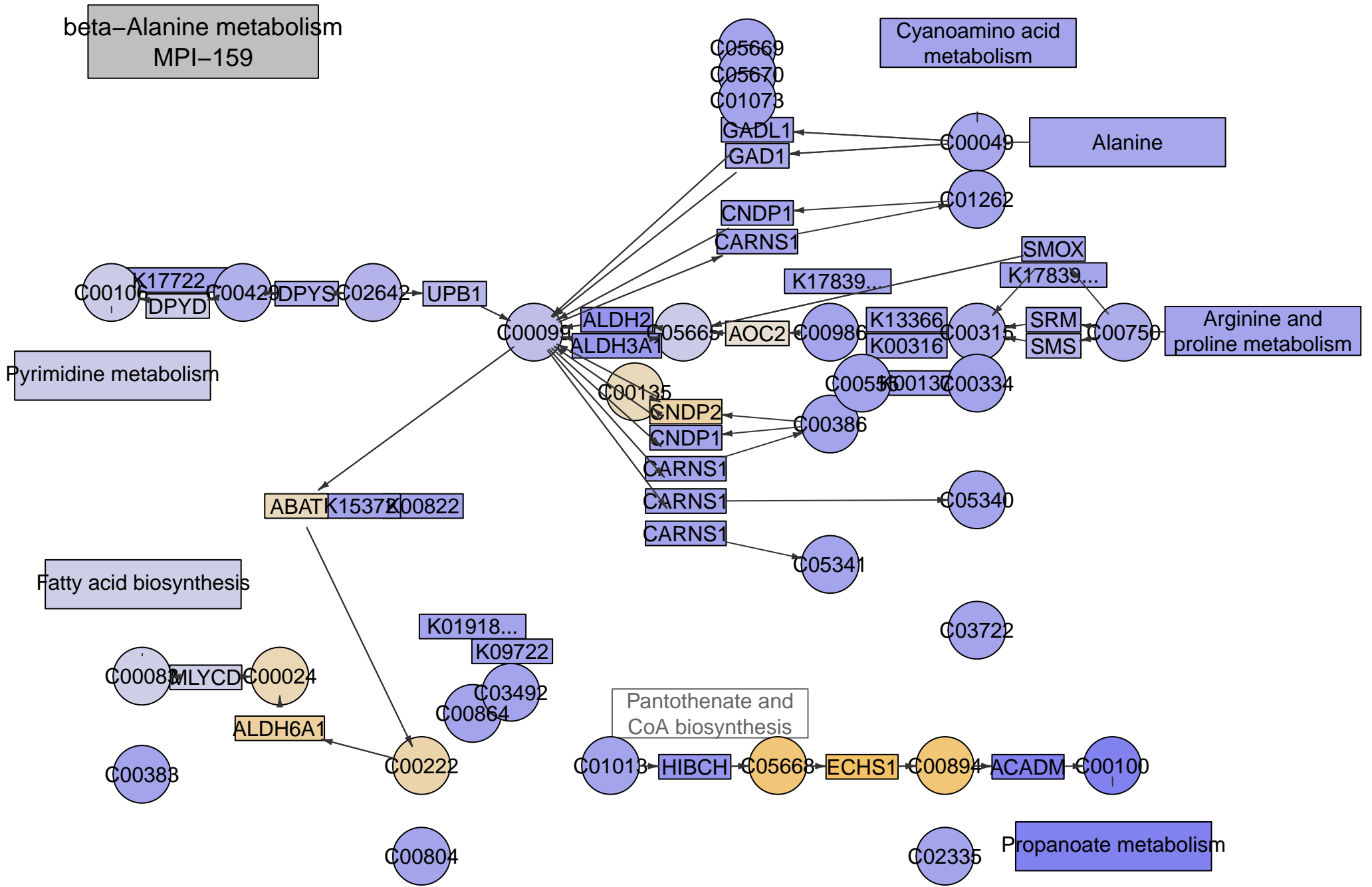


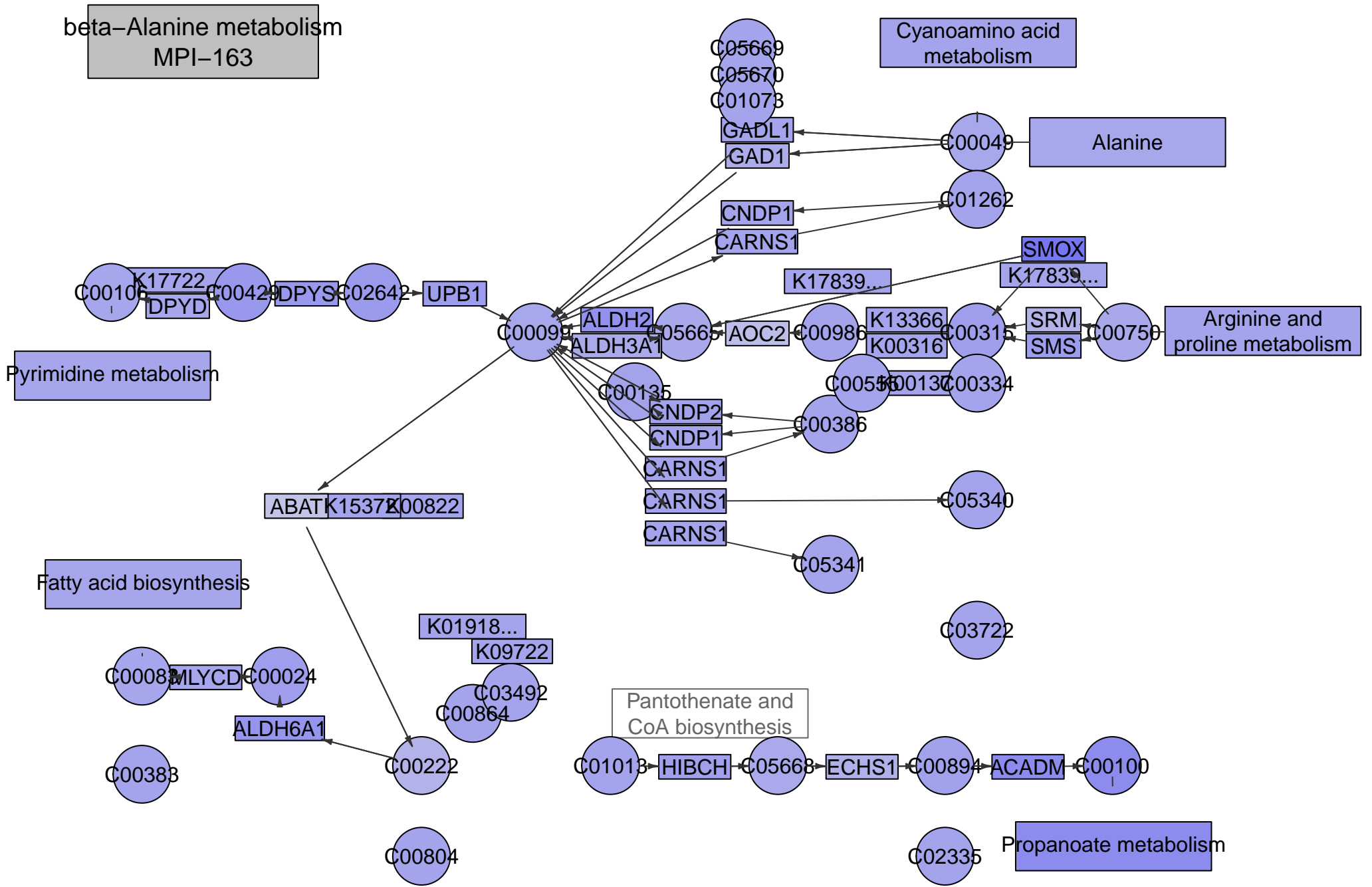


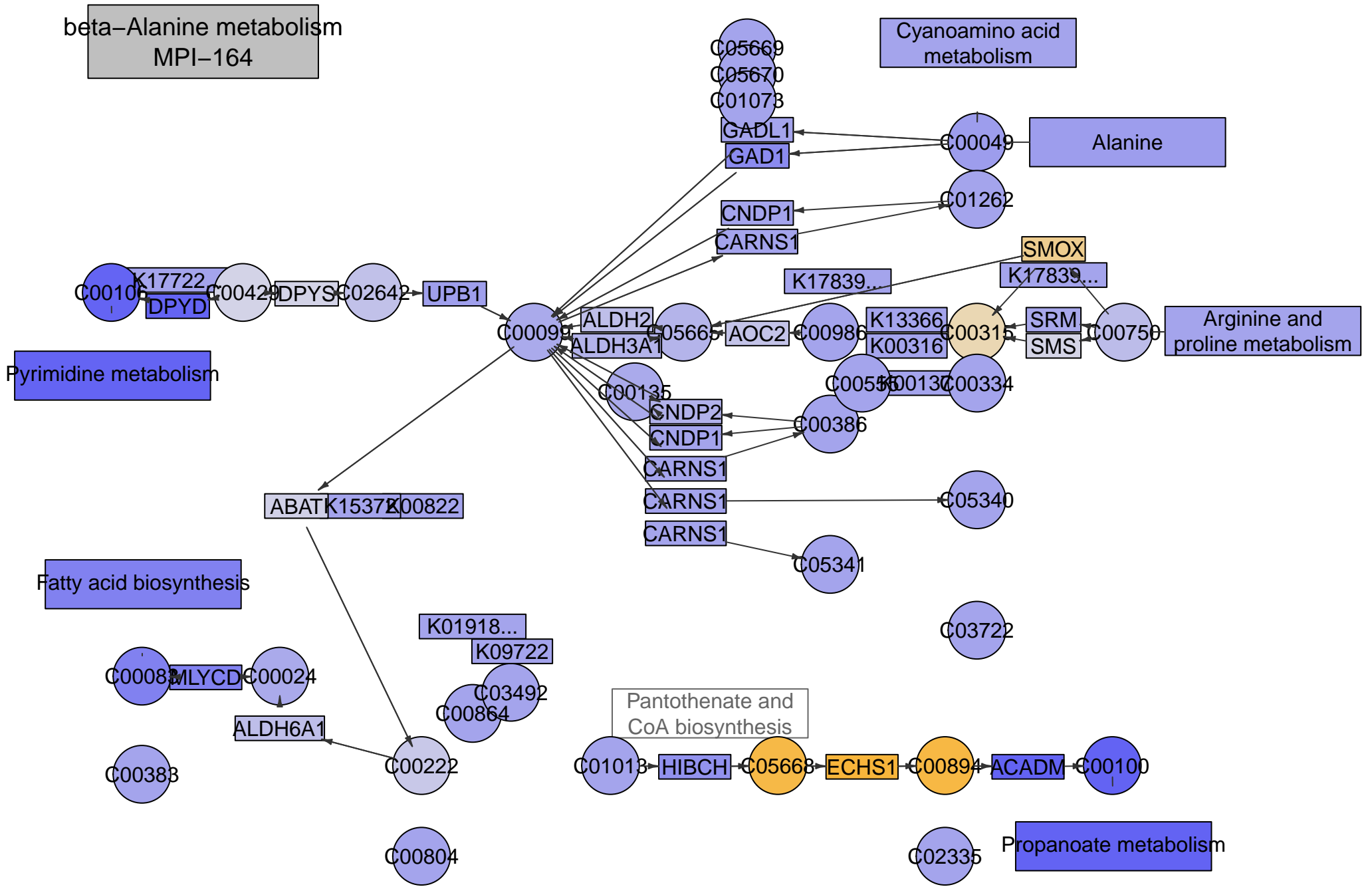


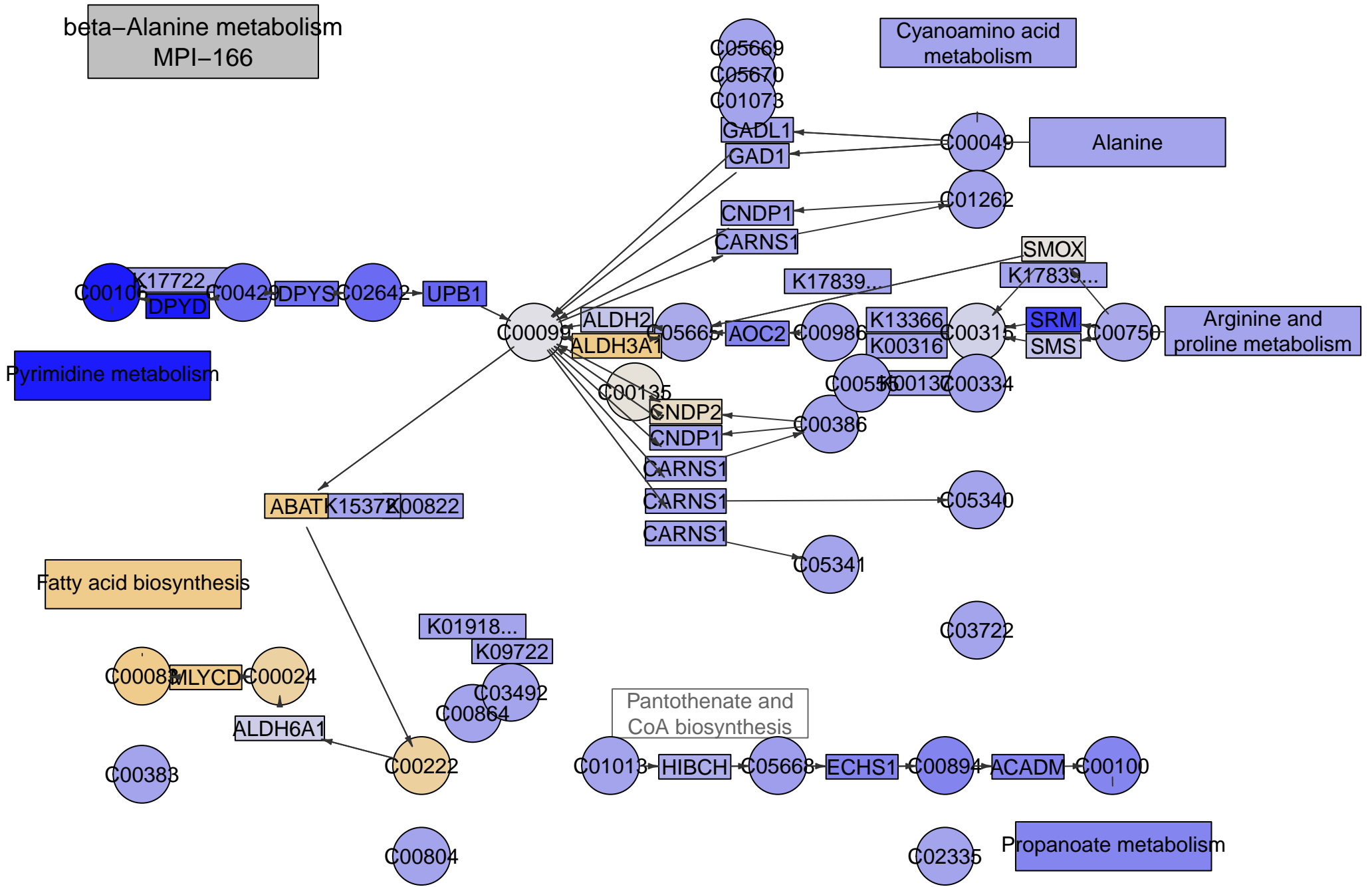


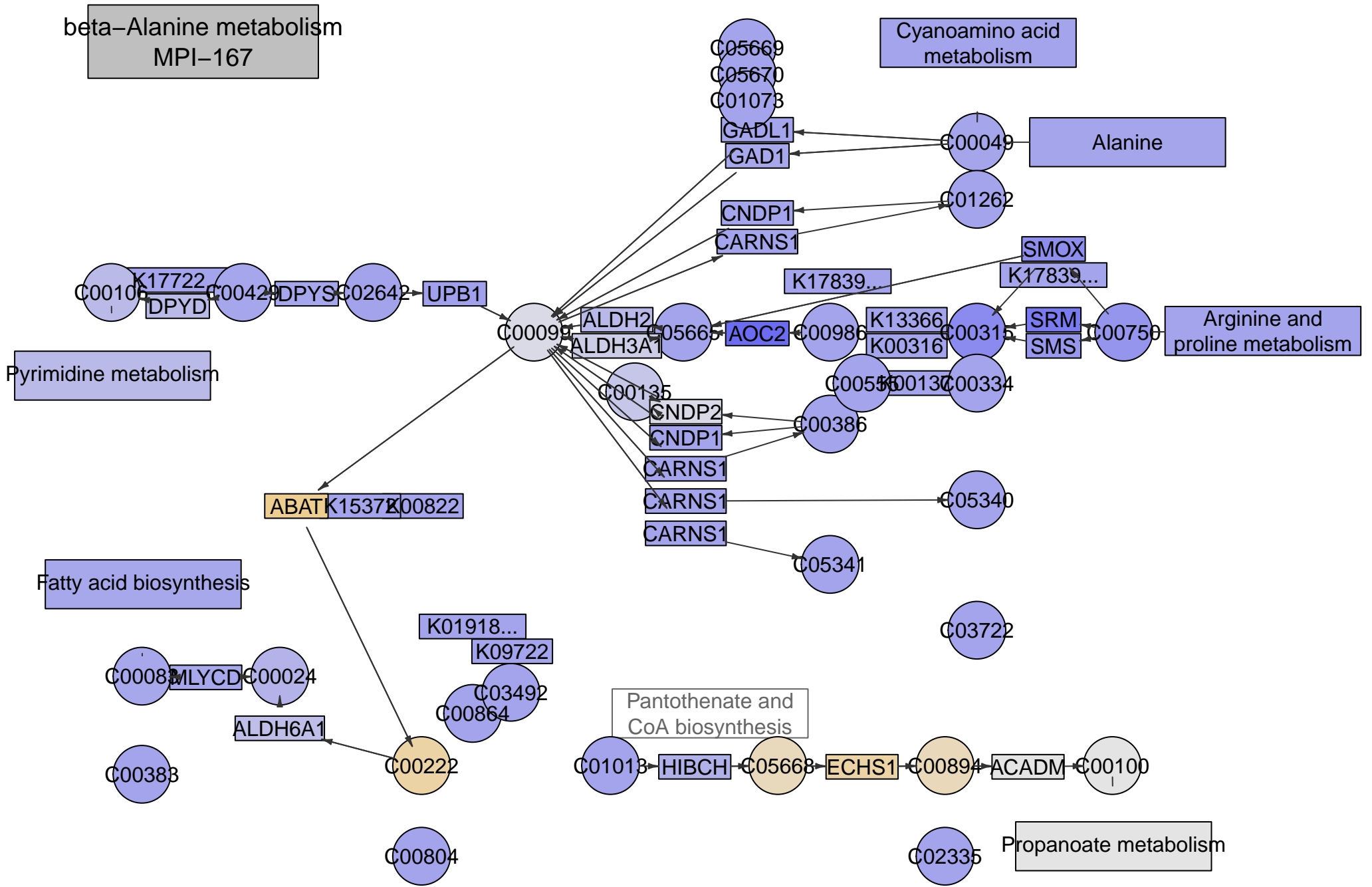


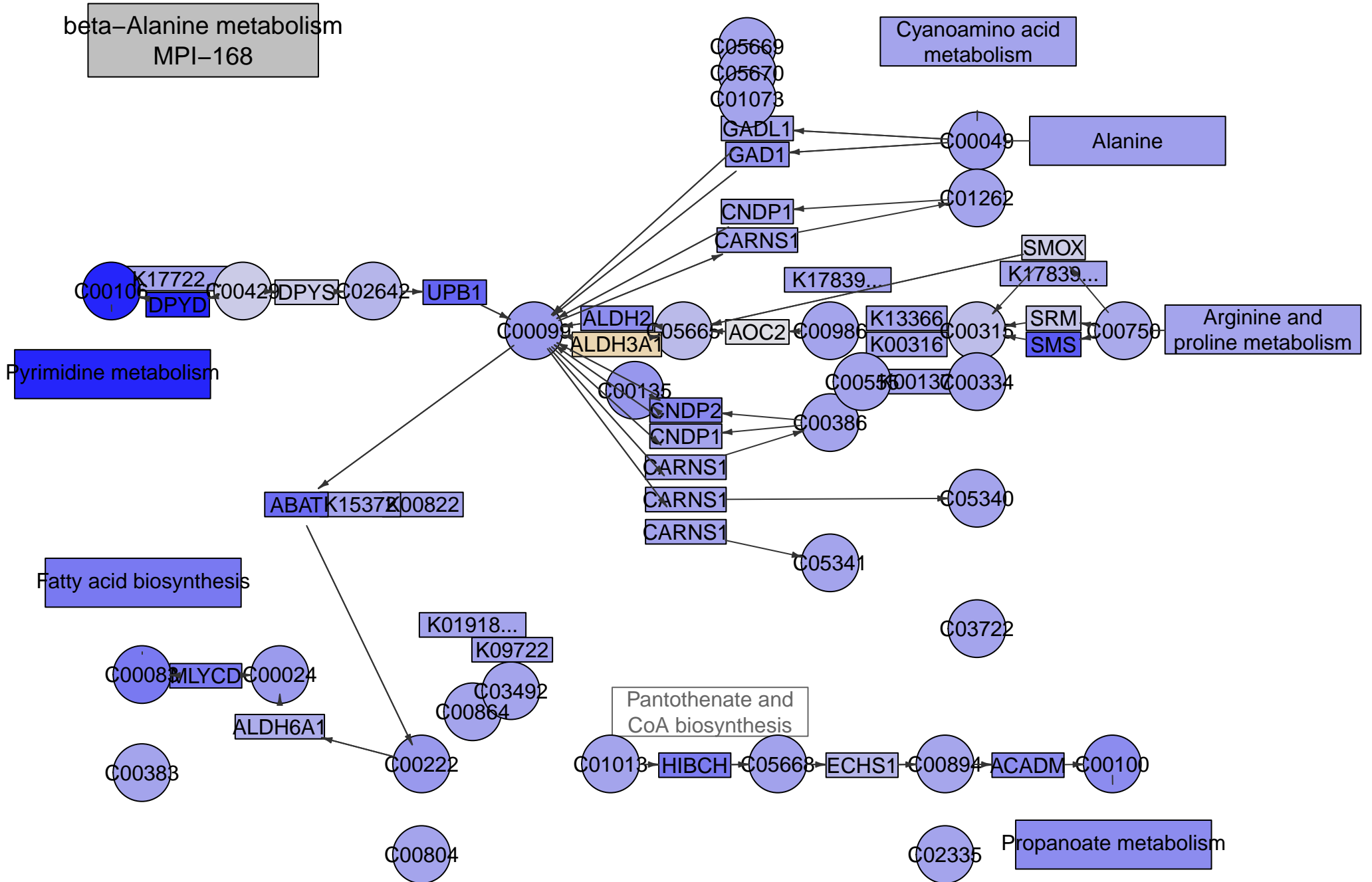


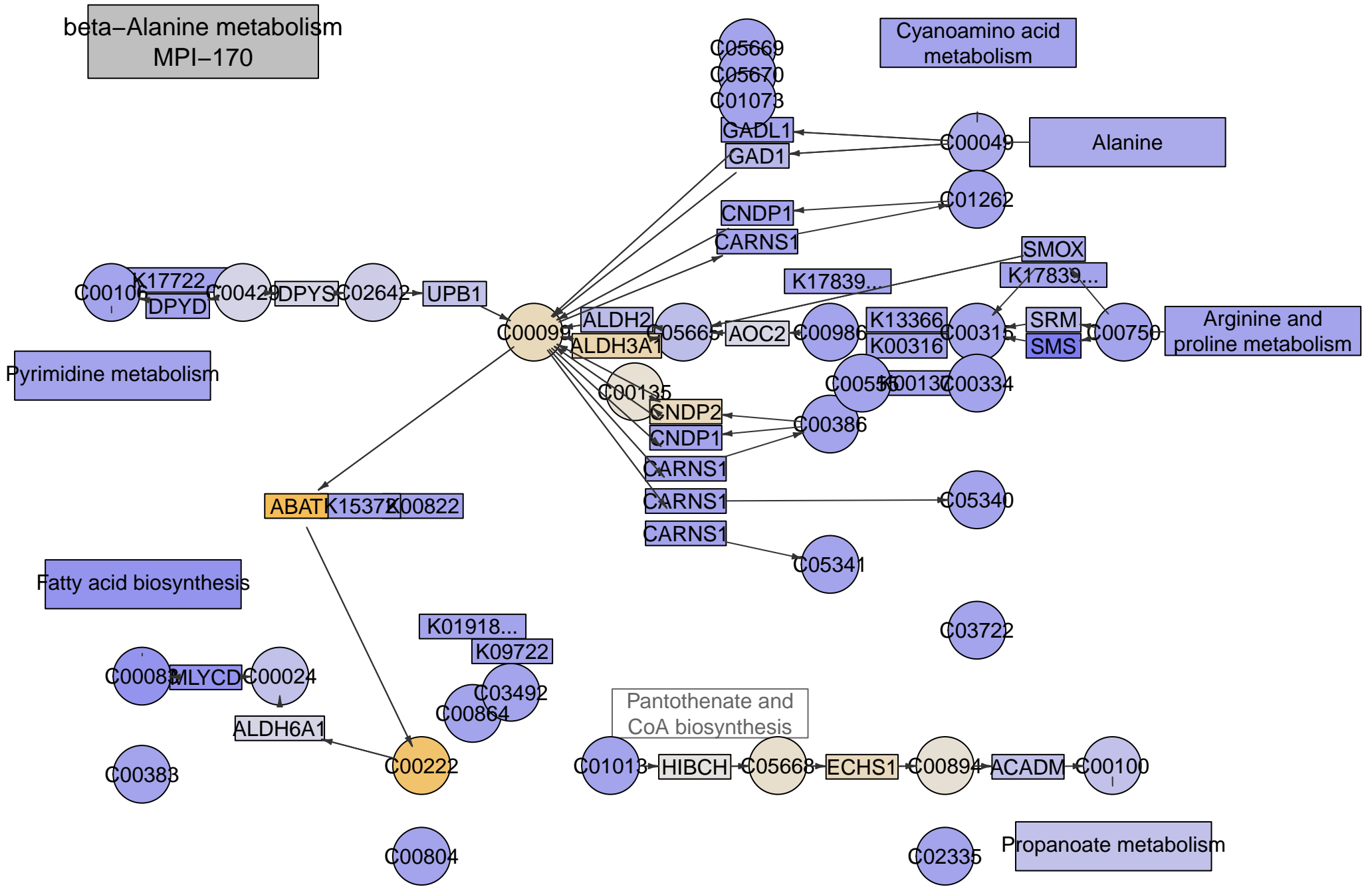


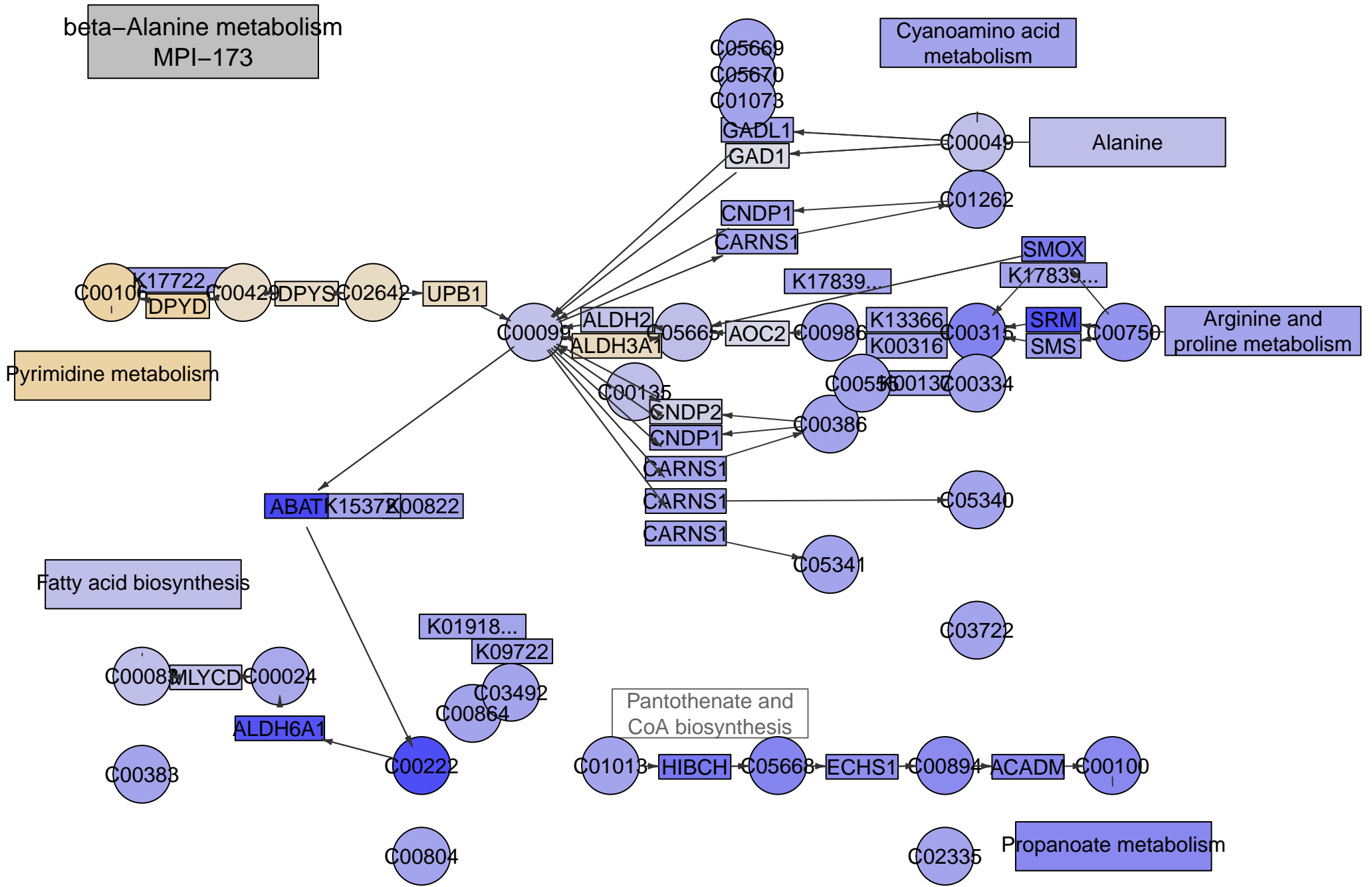


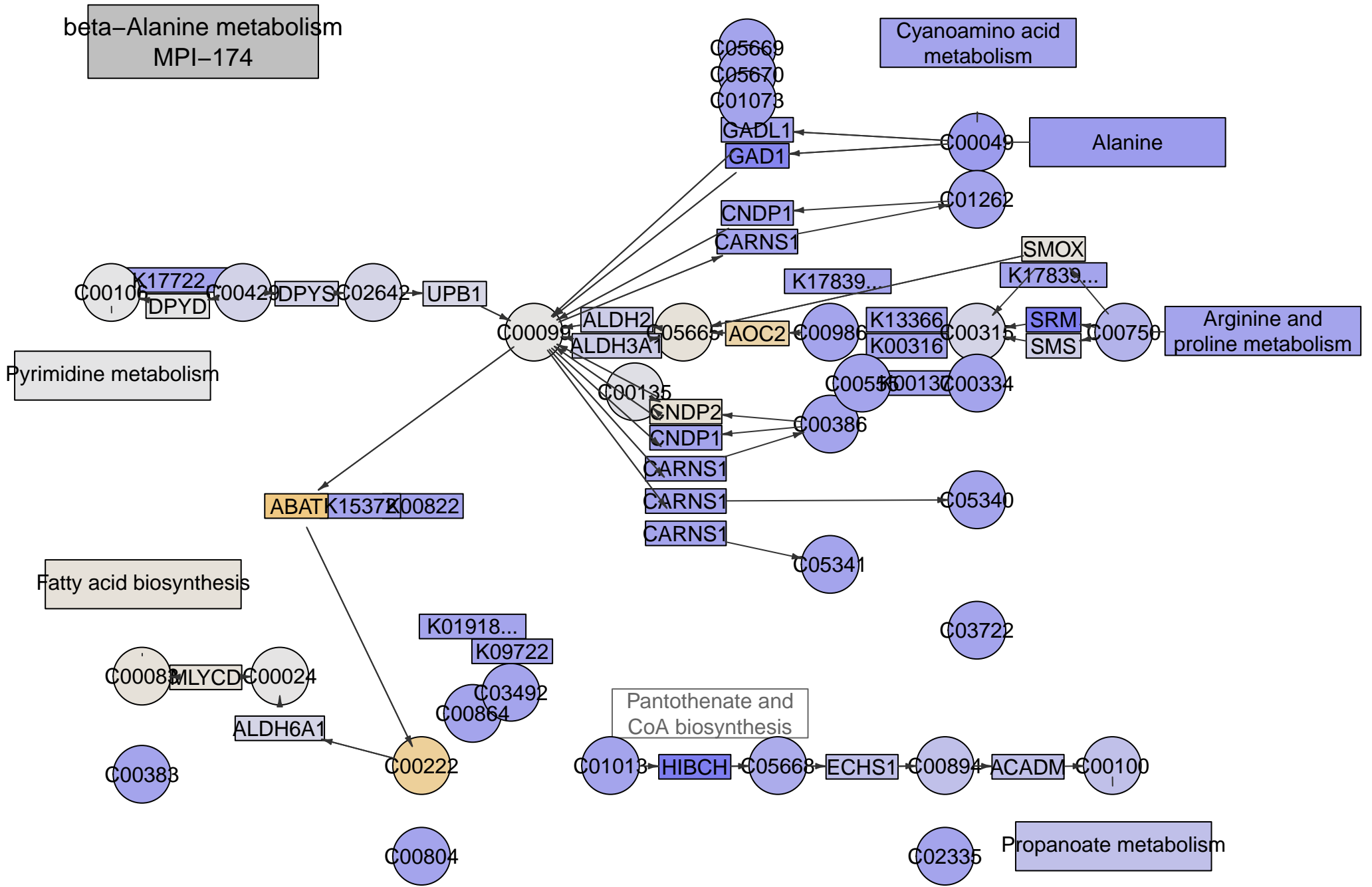


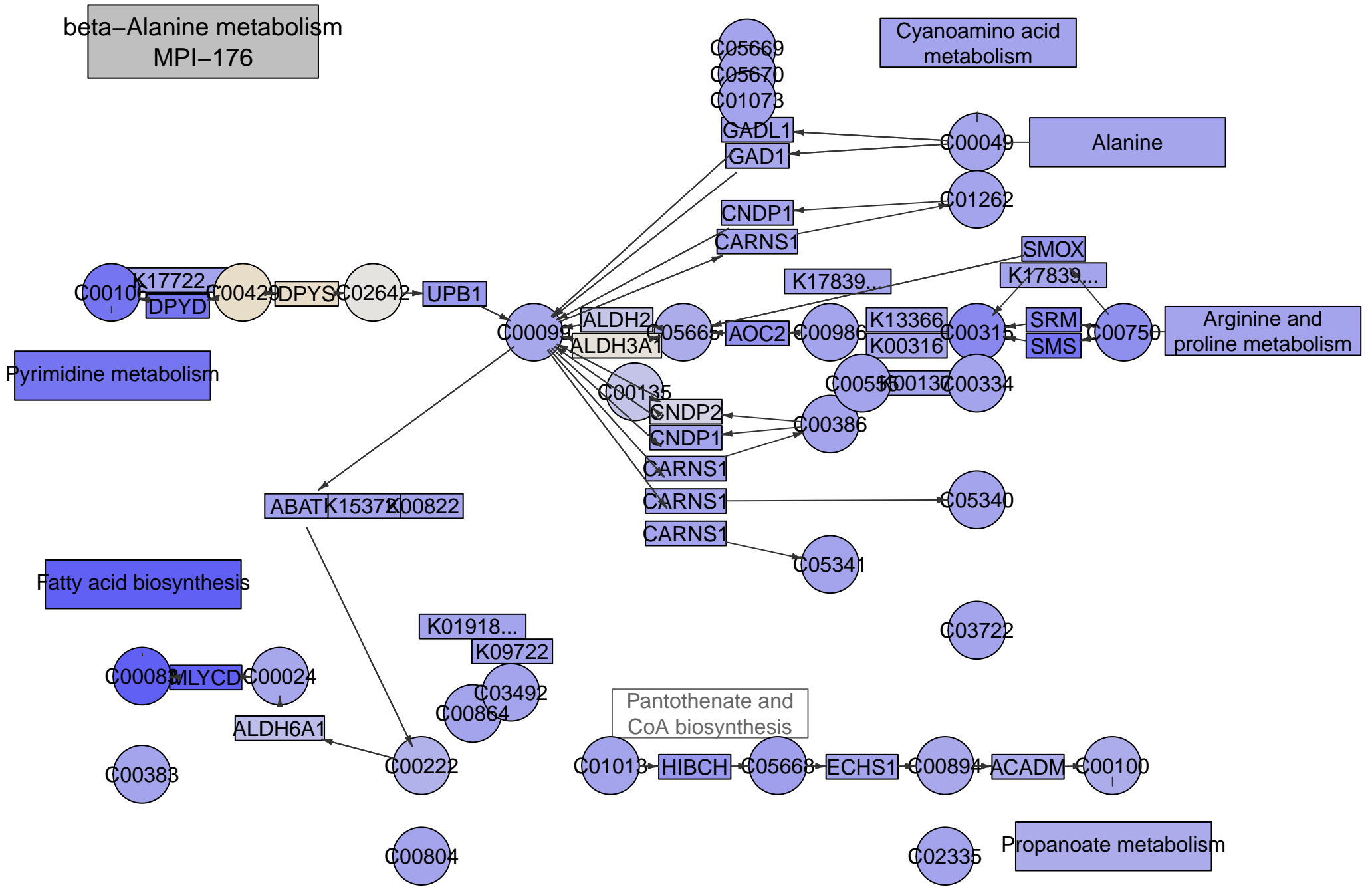


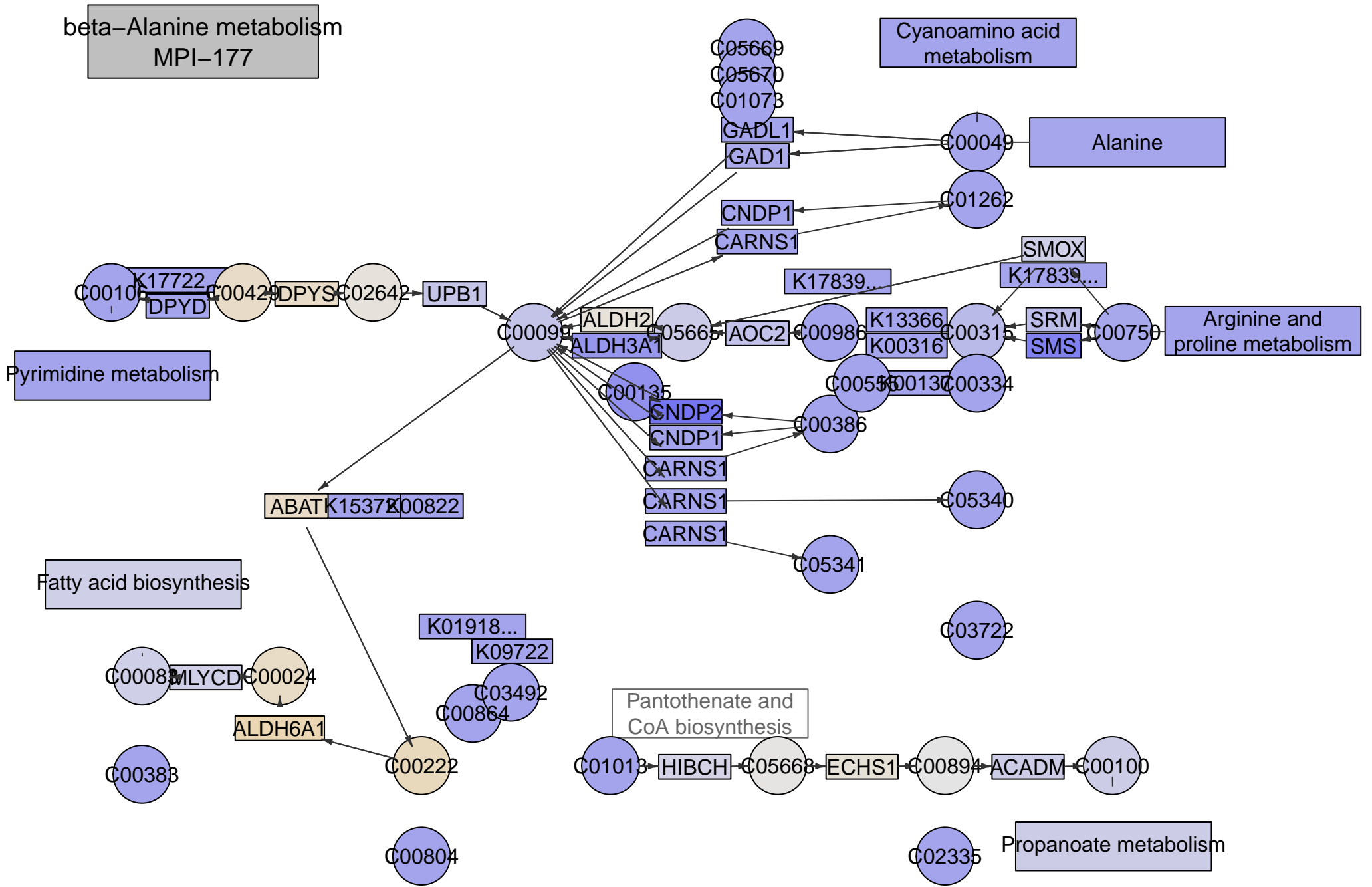


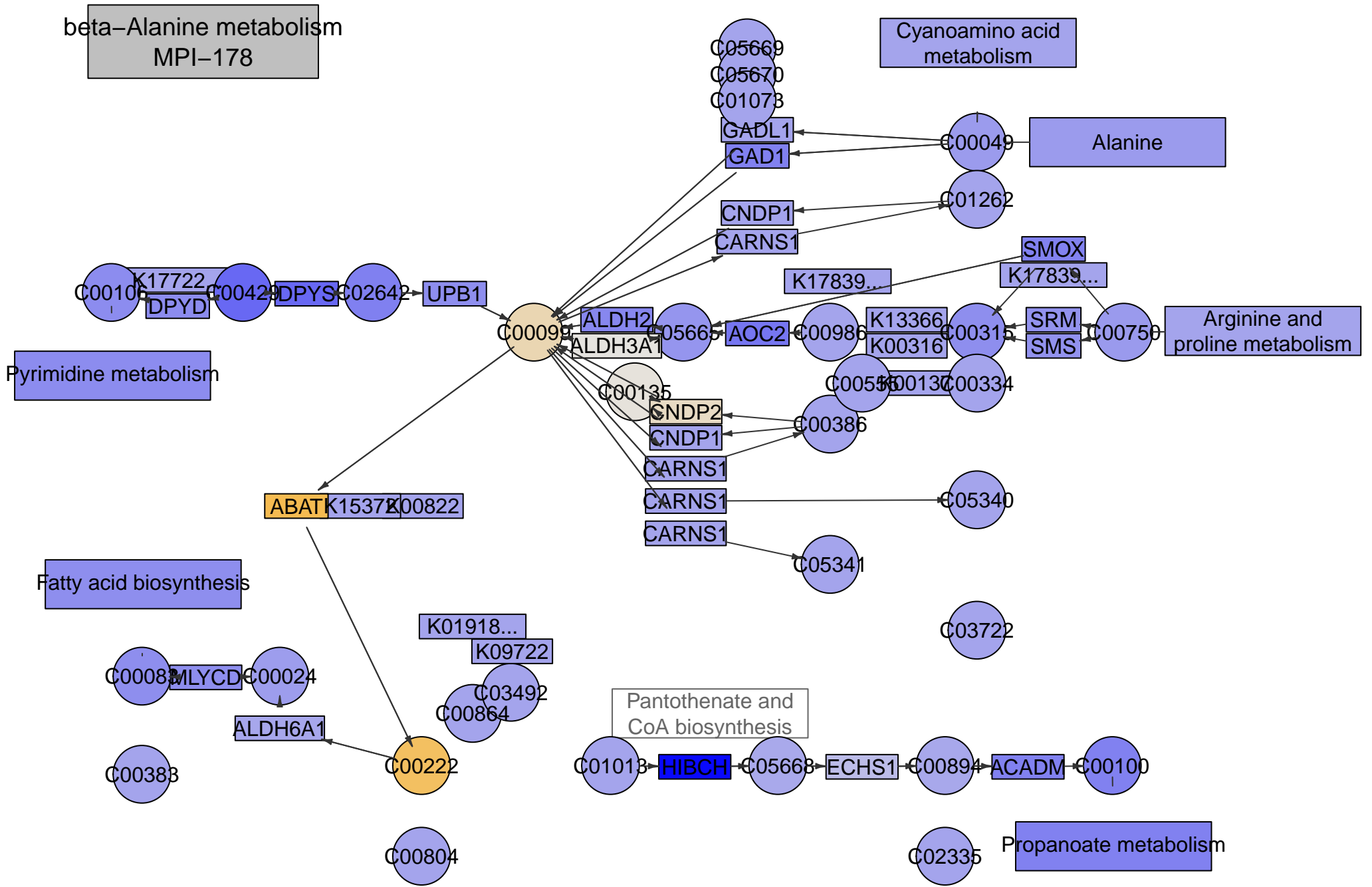


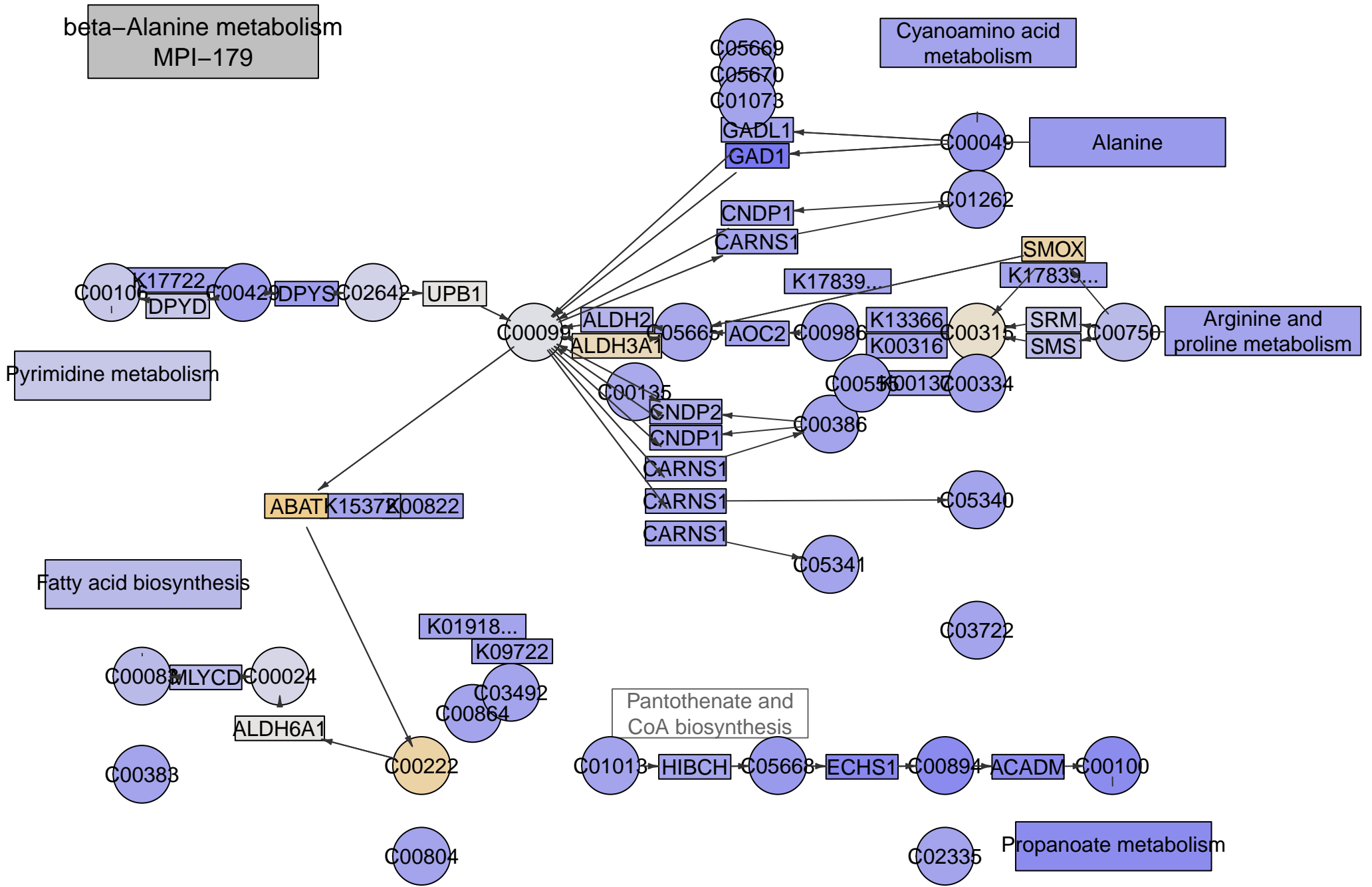


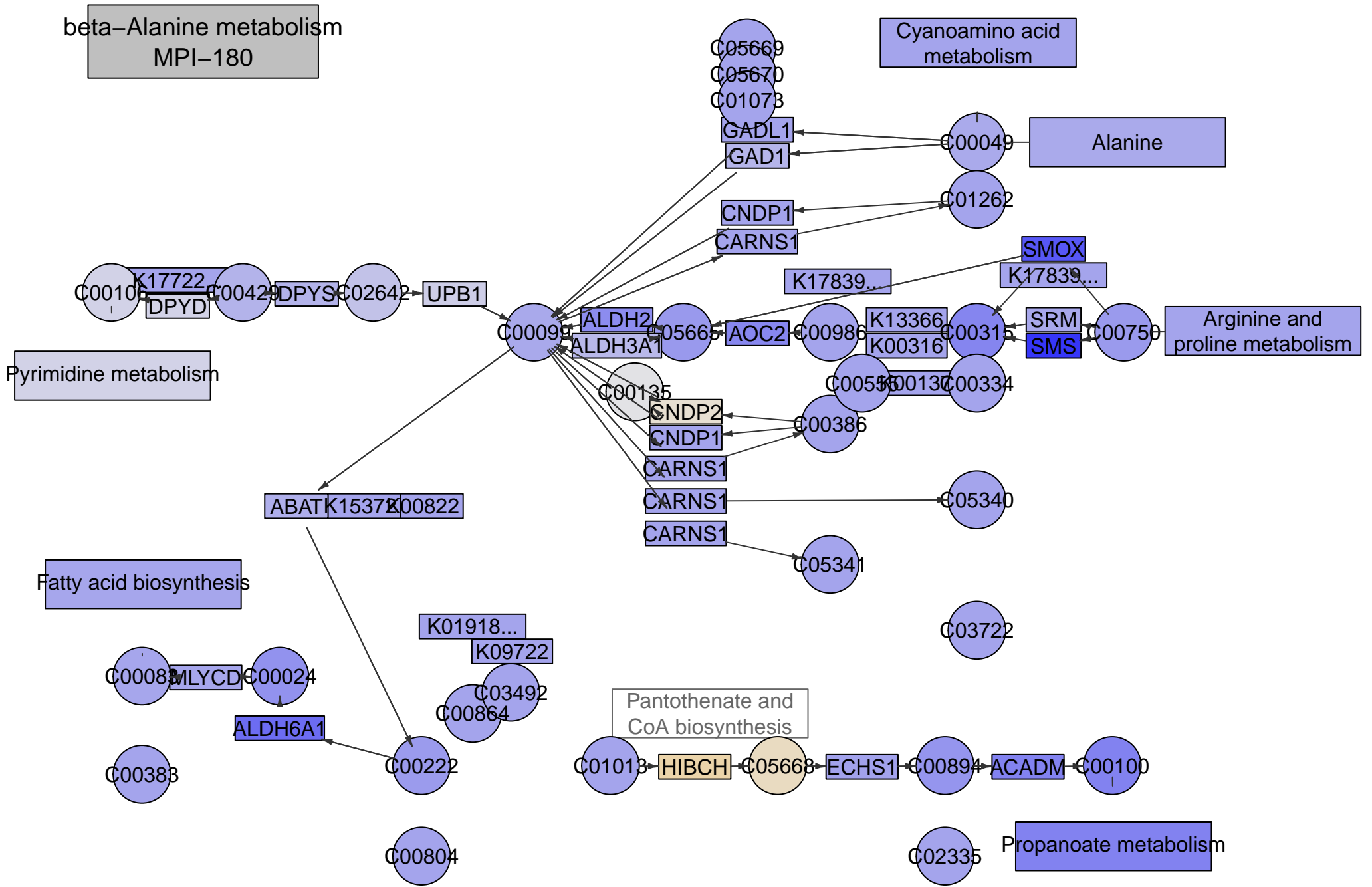


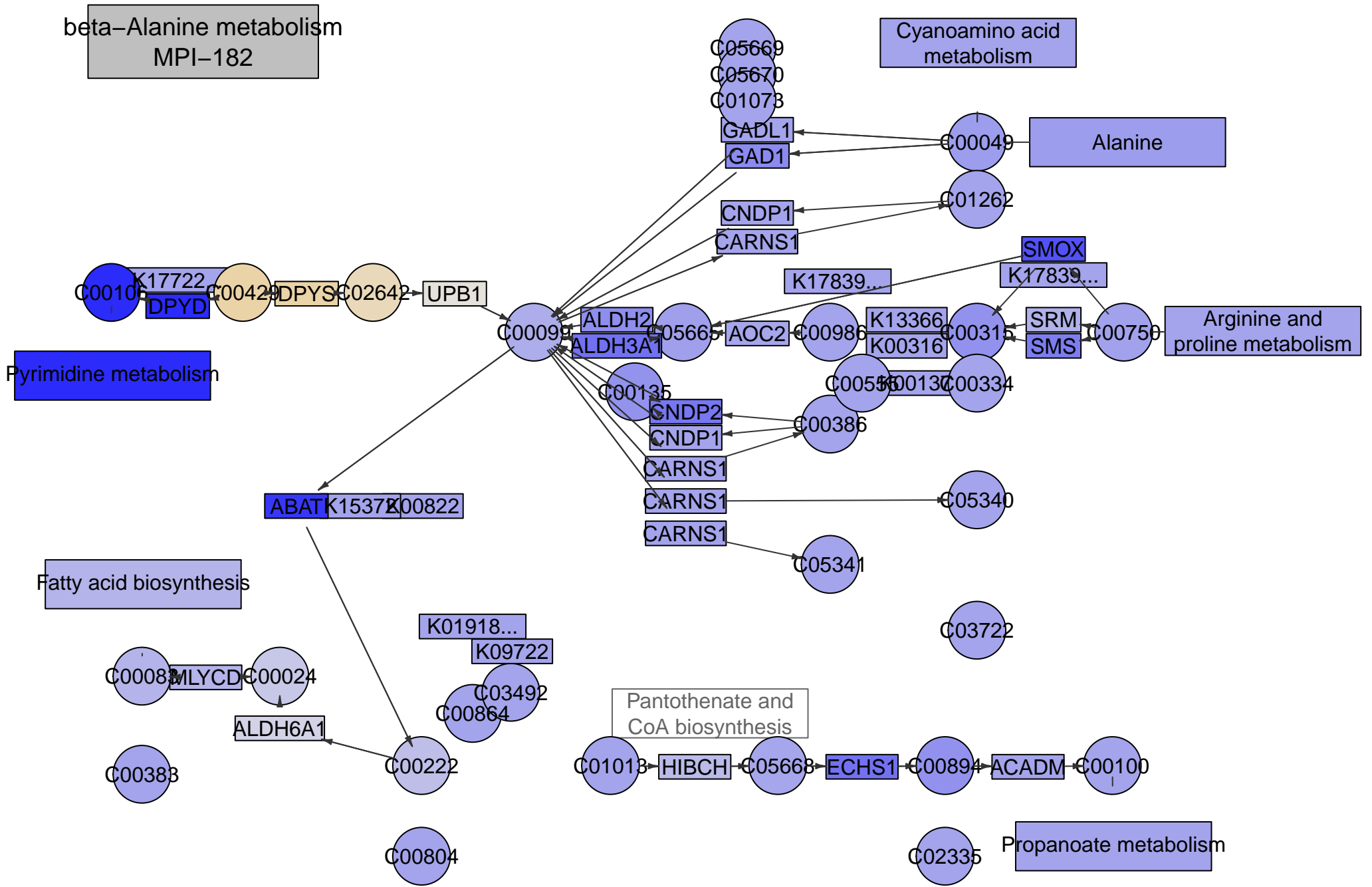


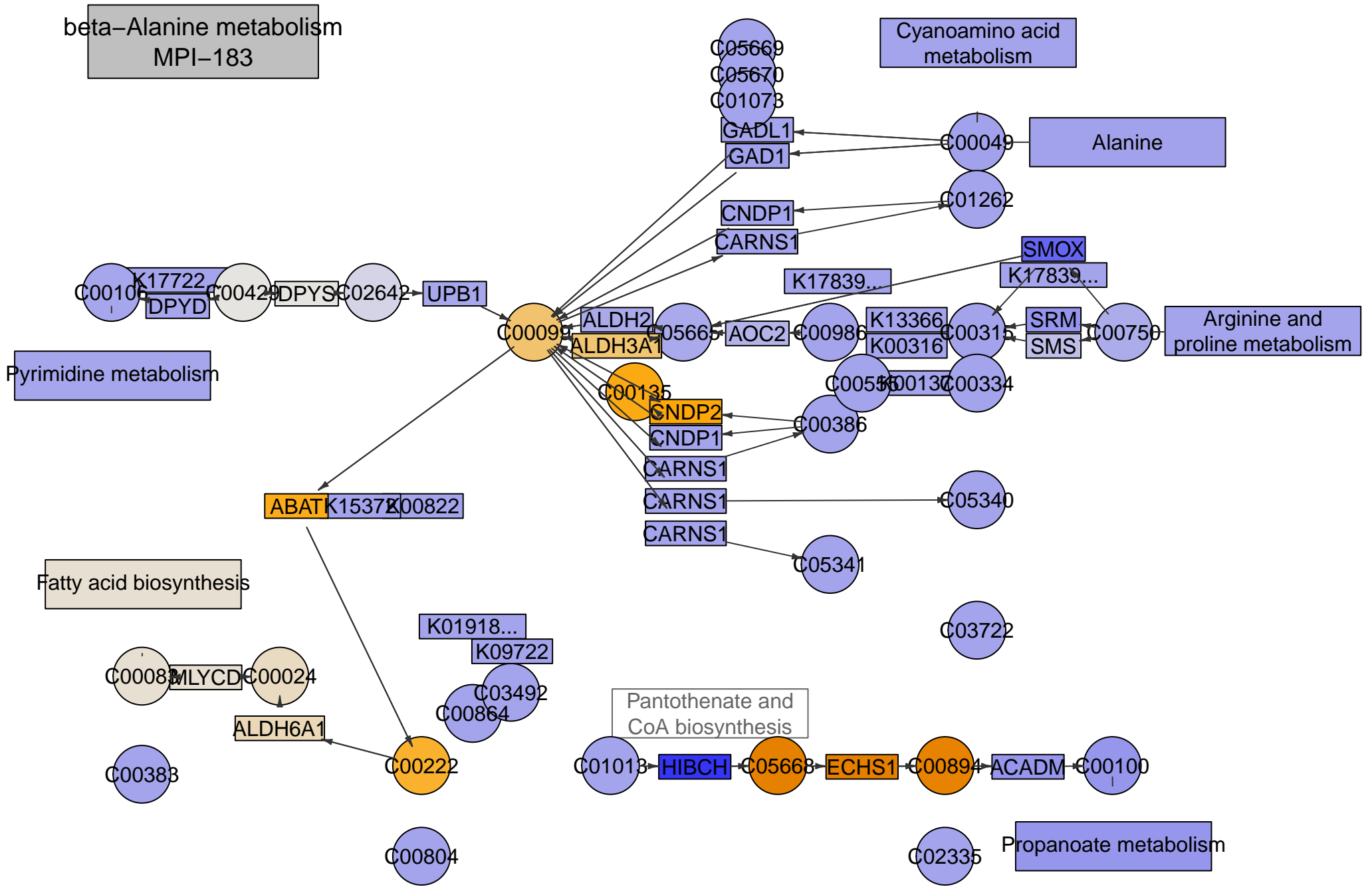


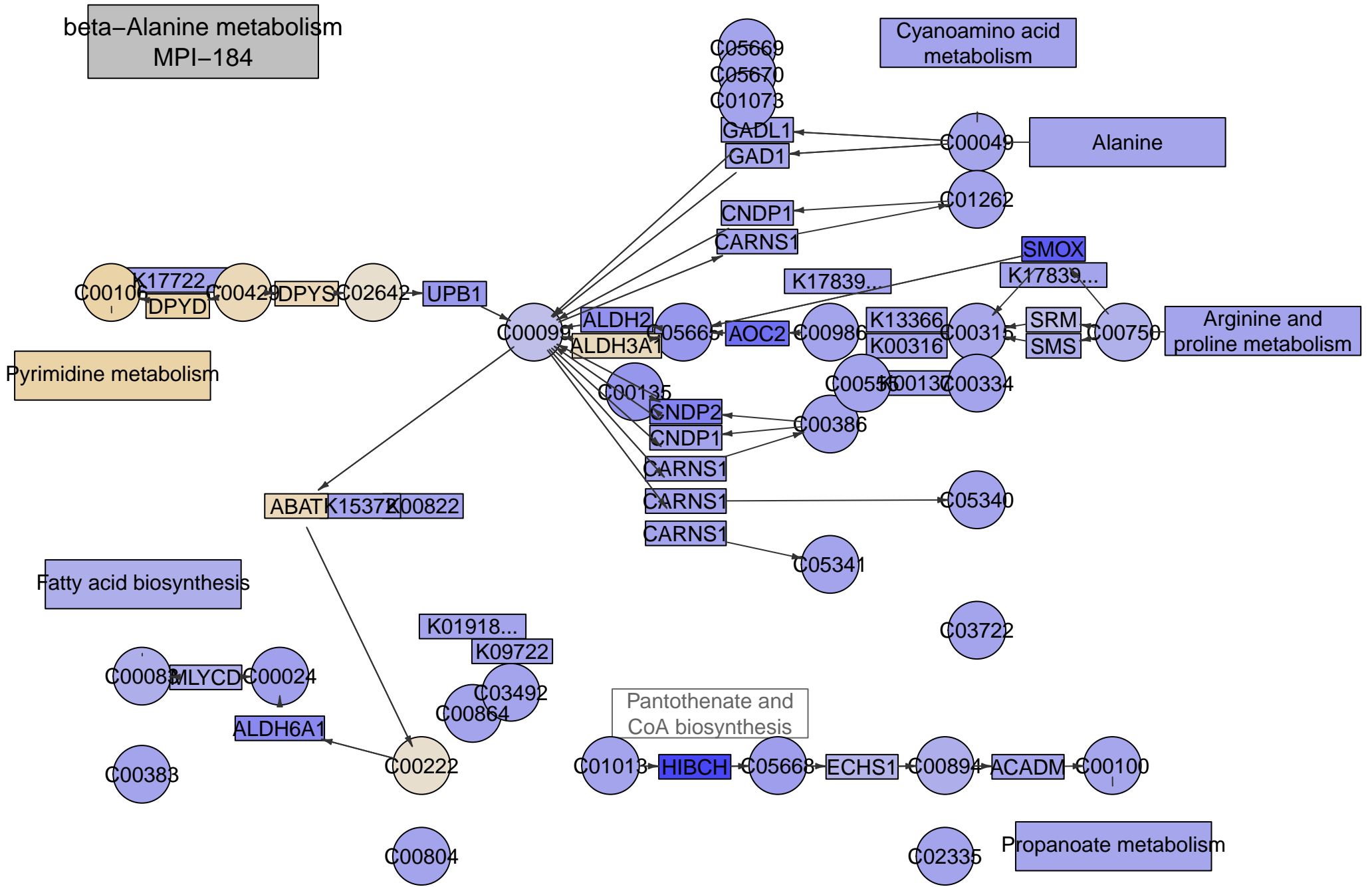


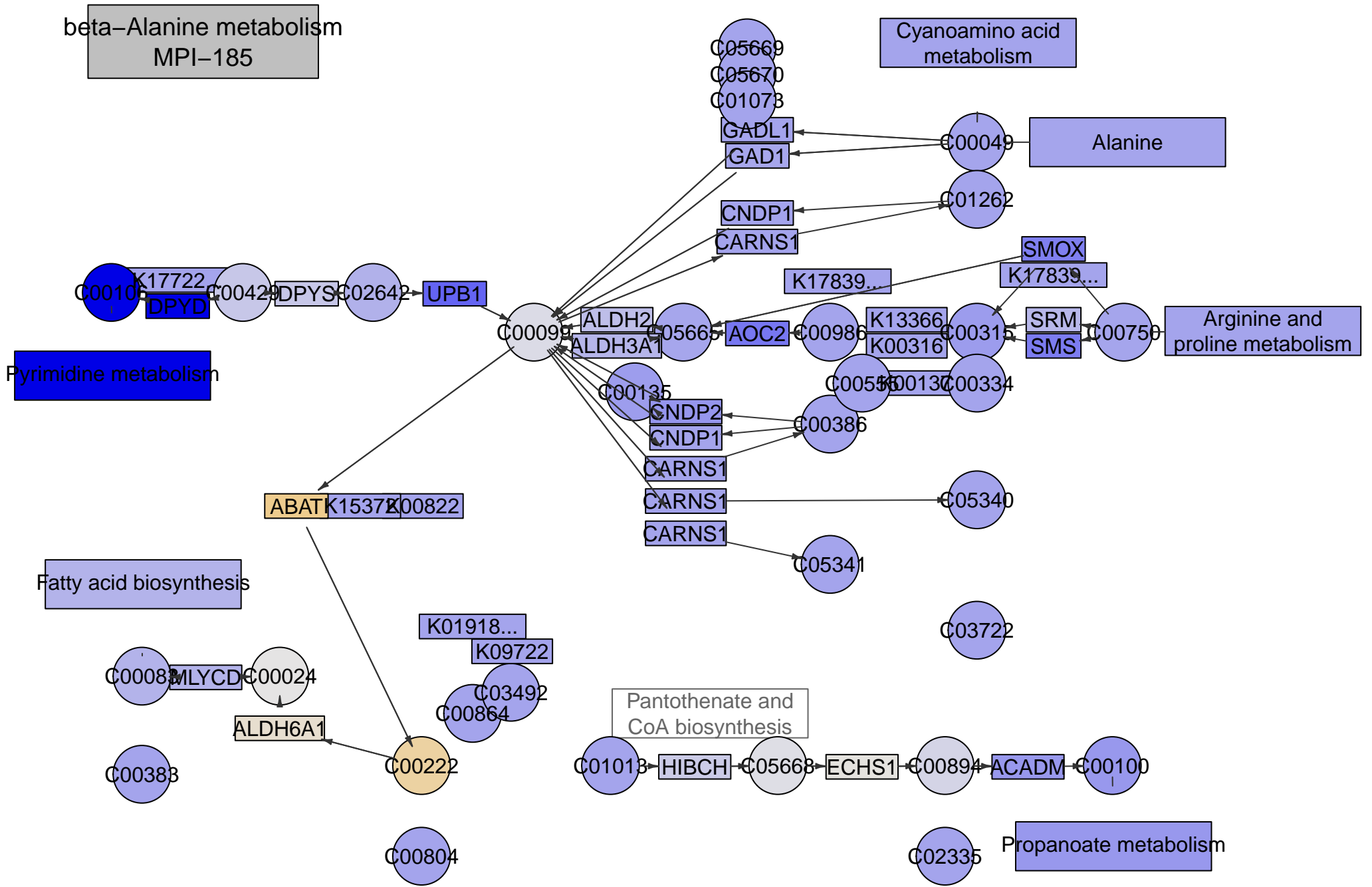


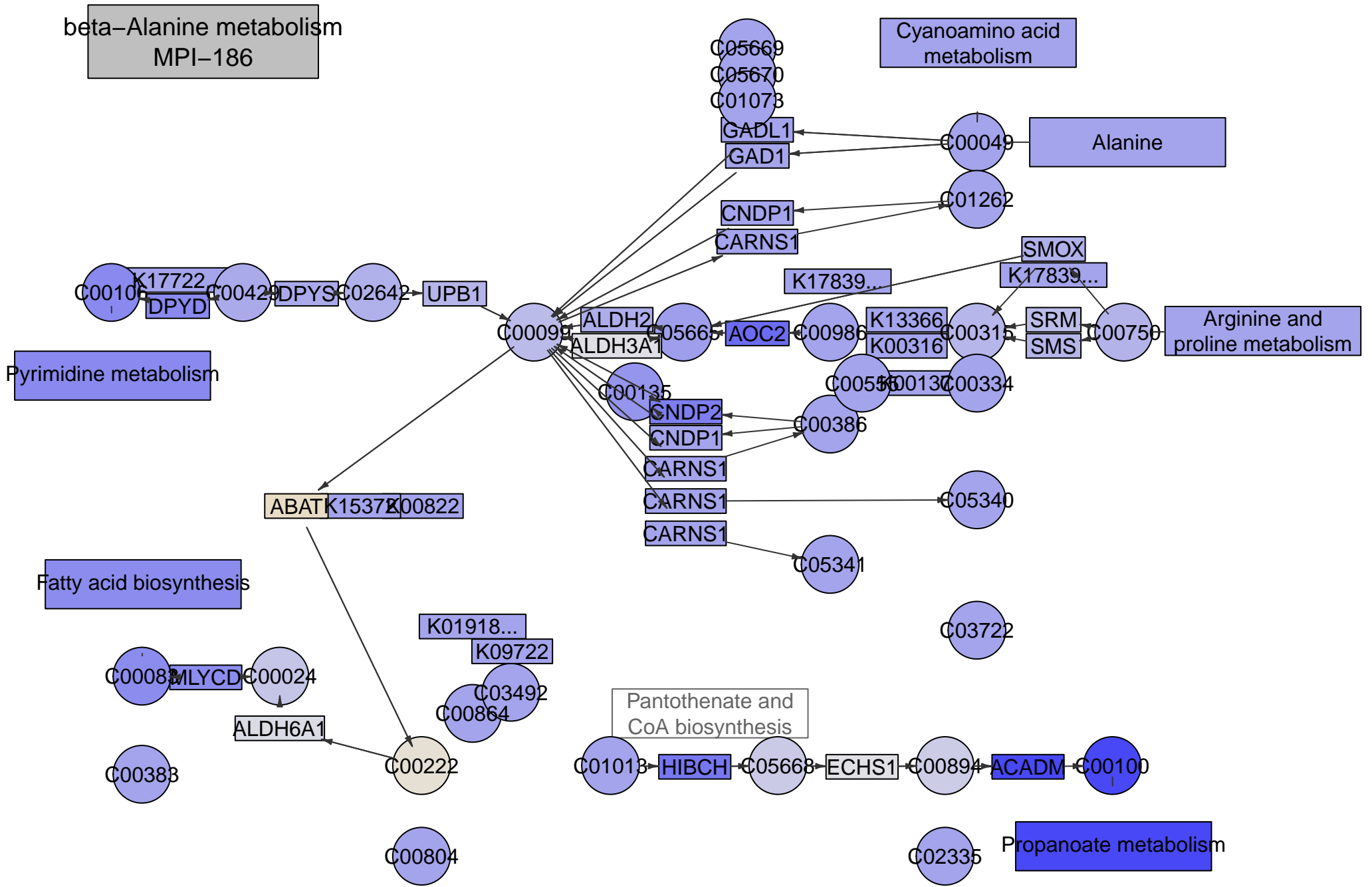


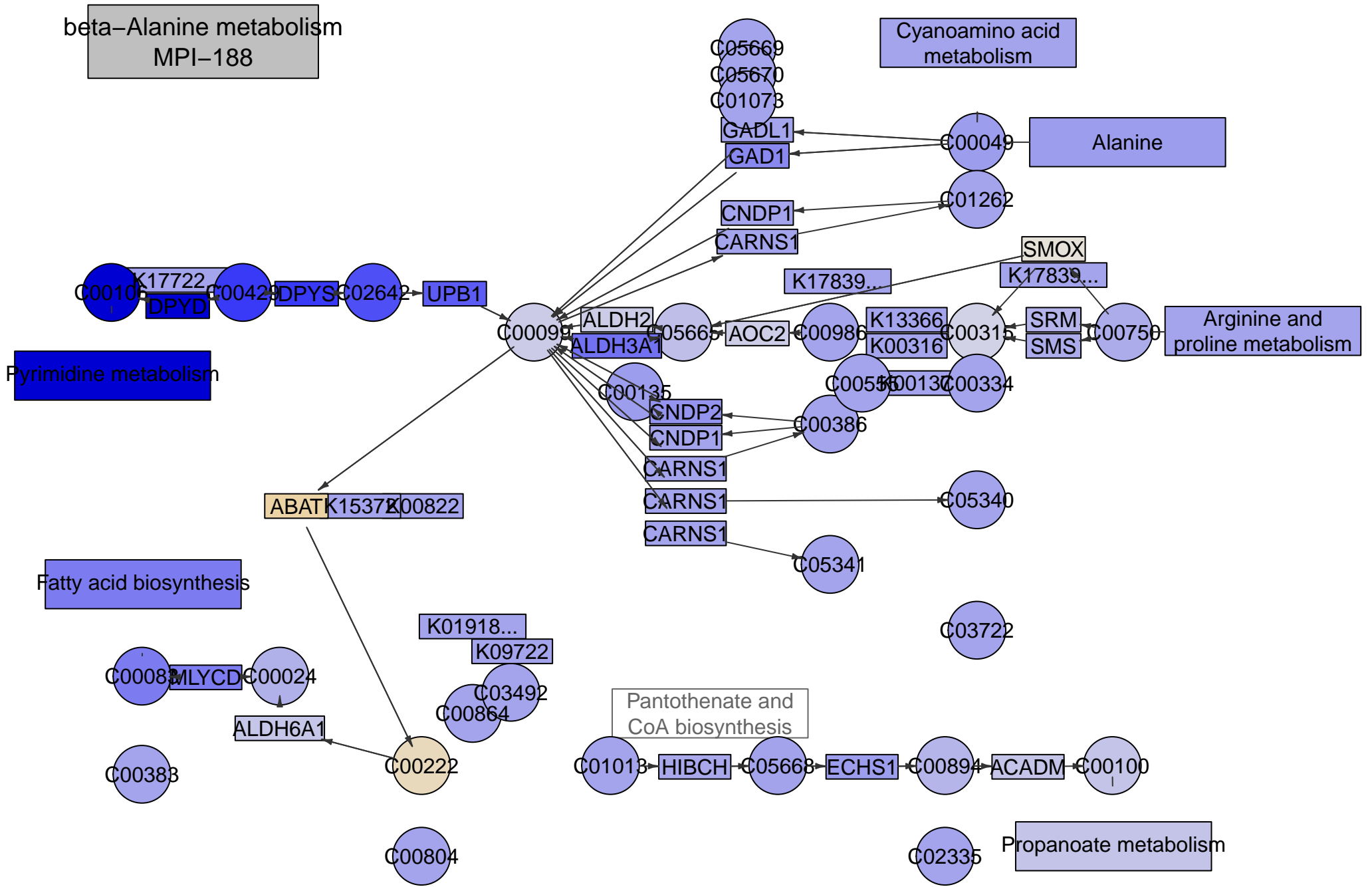


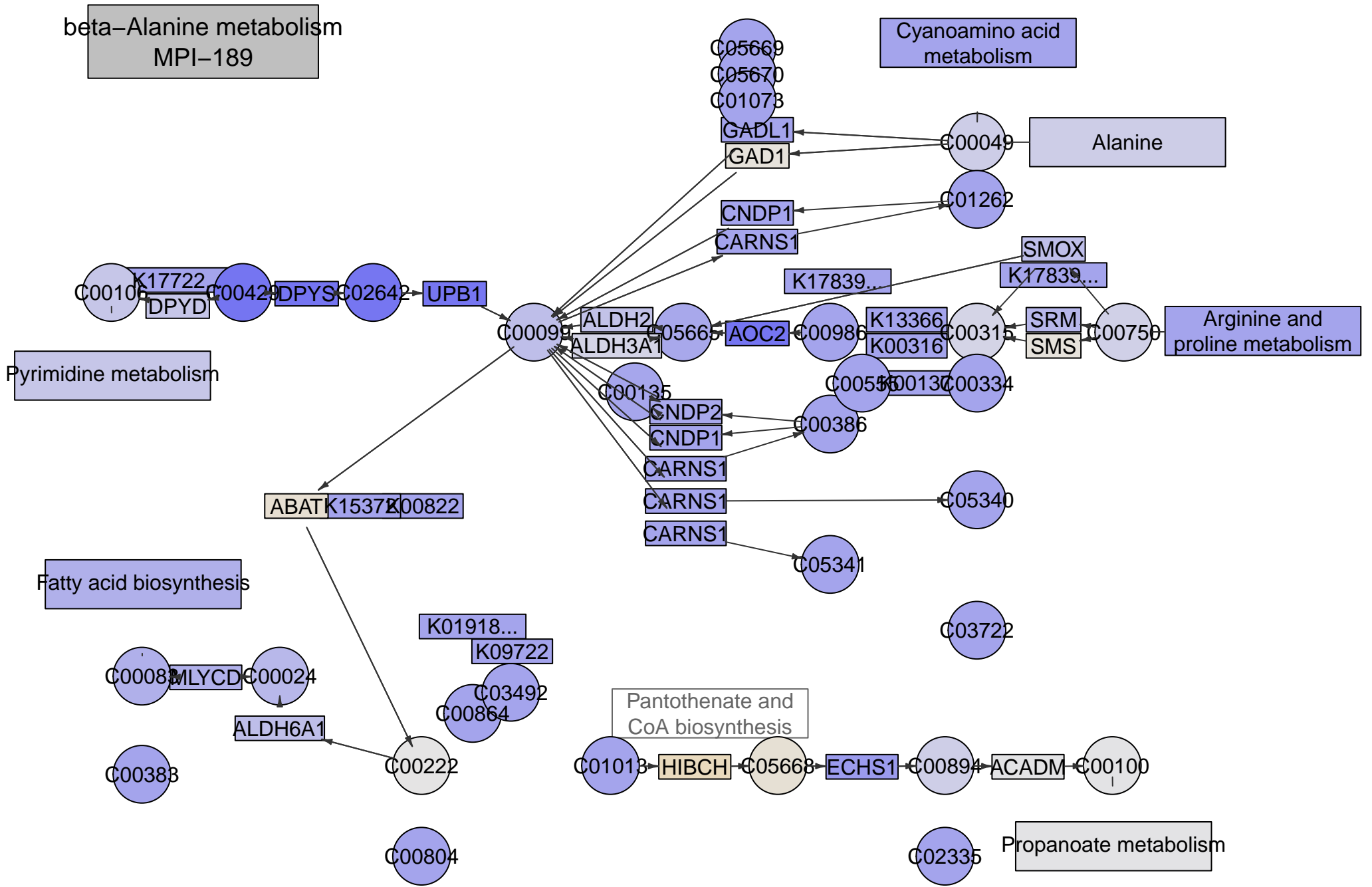












beta-Alanine metabolism
MPI-189

Cyanoamino acid
metabolism

Alanine

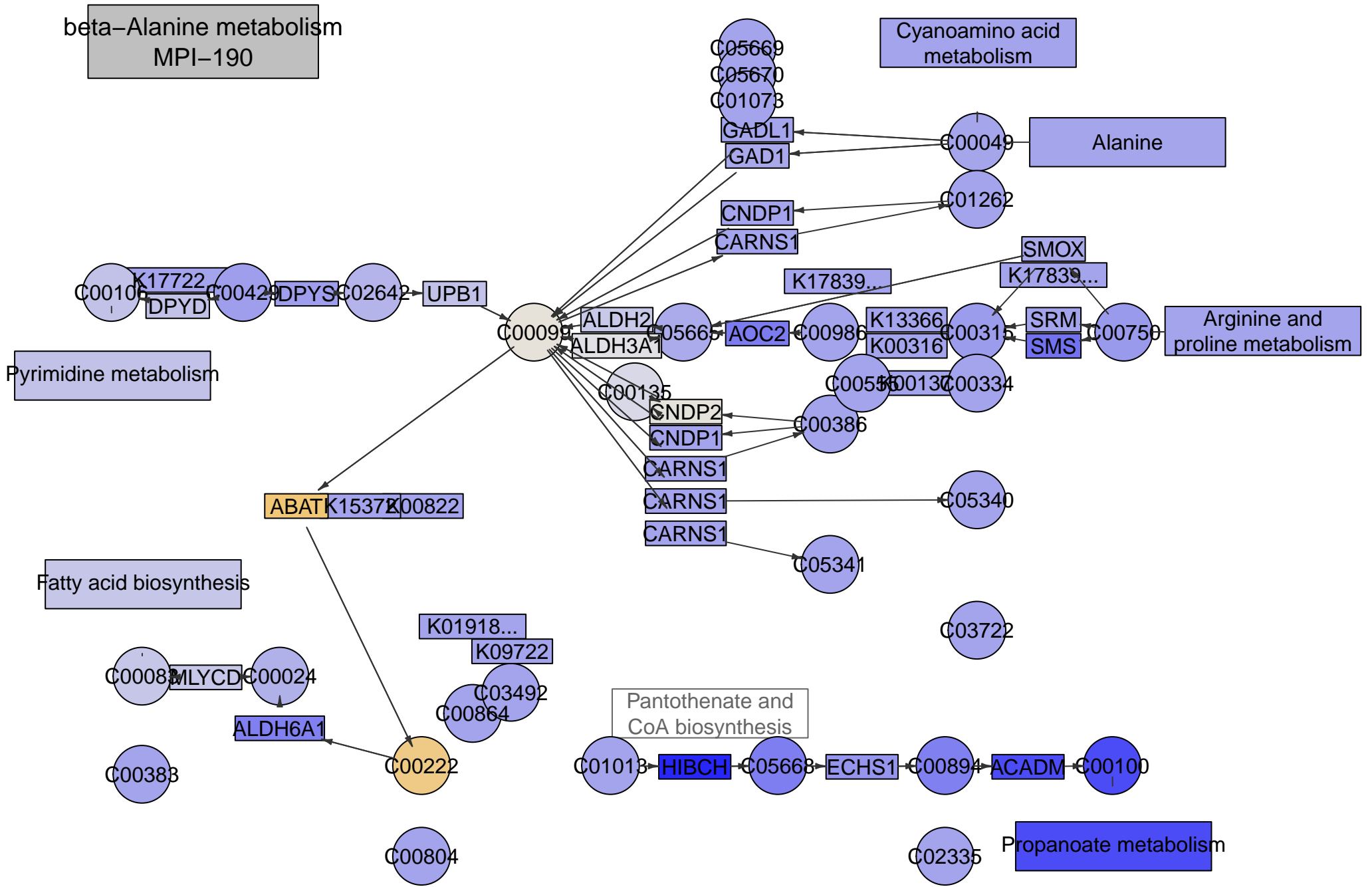
Arginine and
proline metabolism

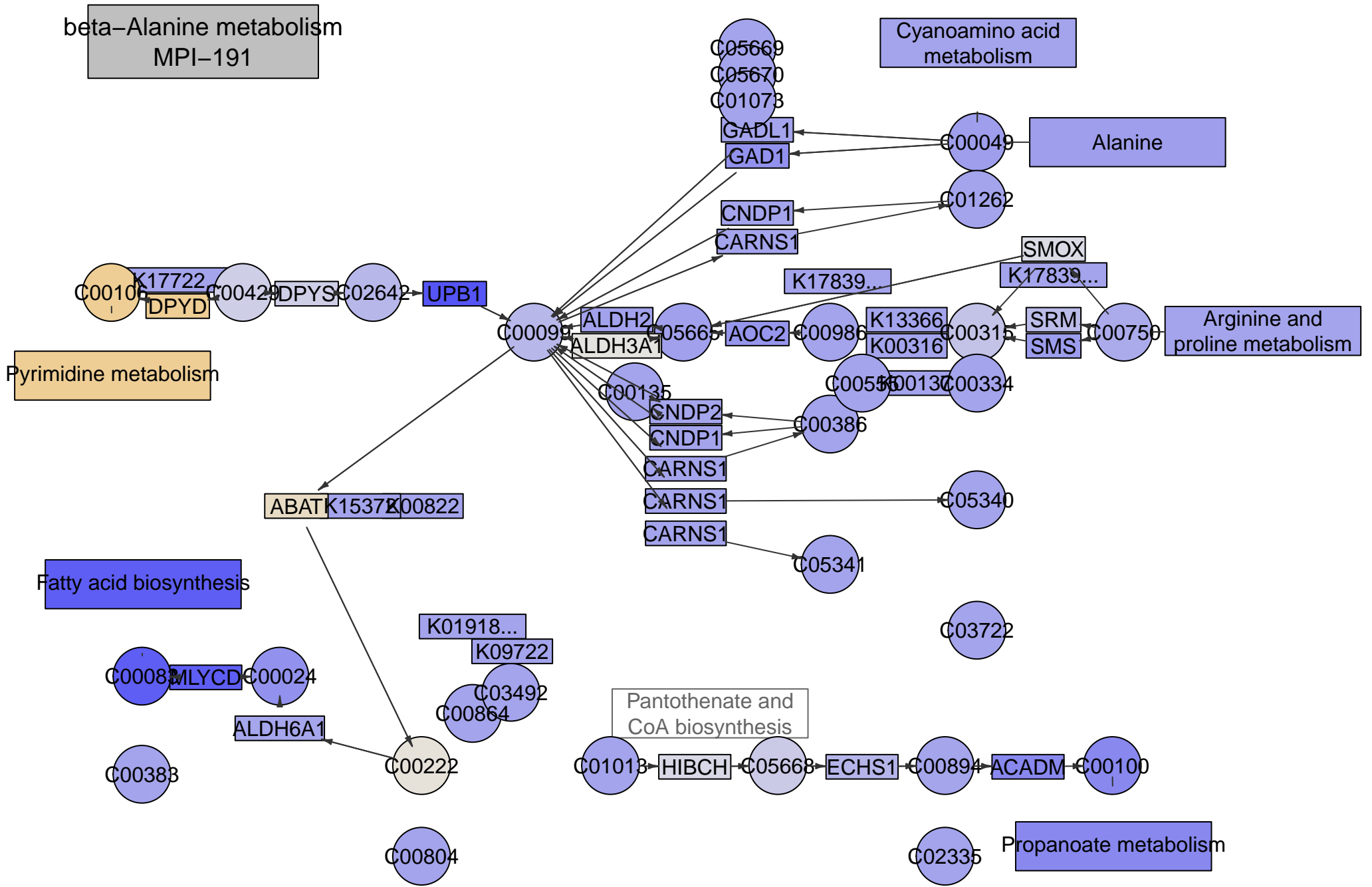
Pyrimidine metabolism

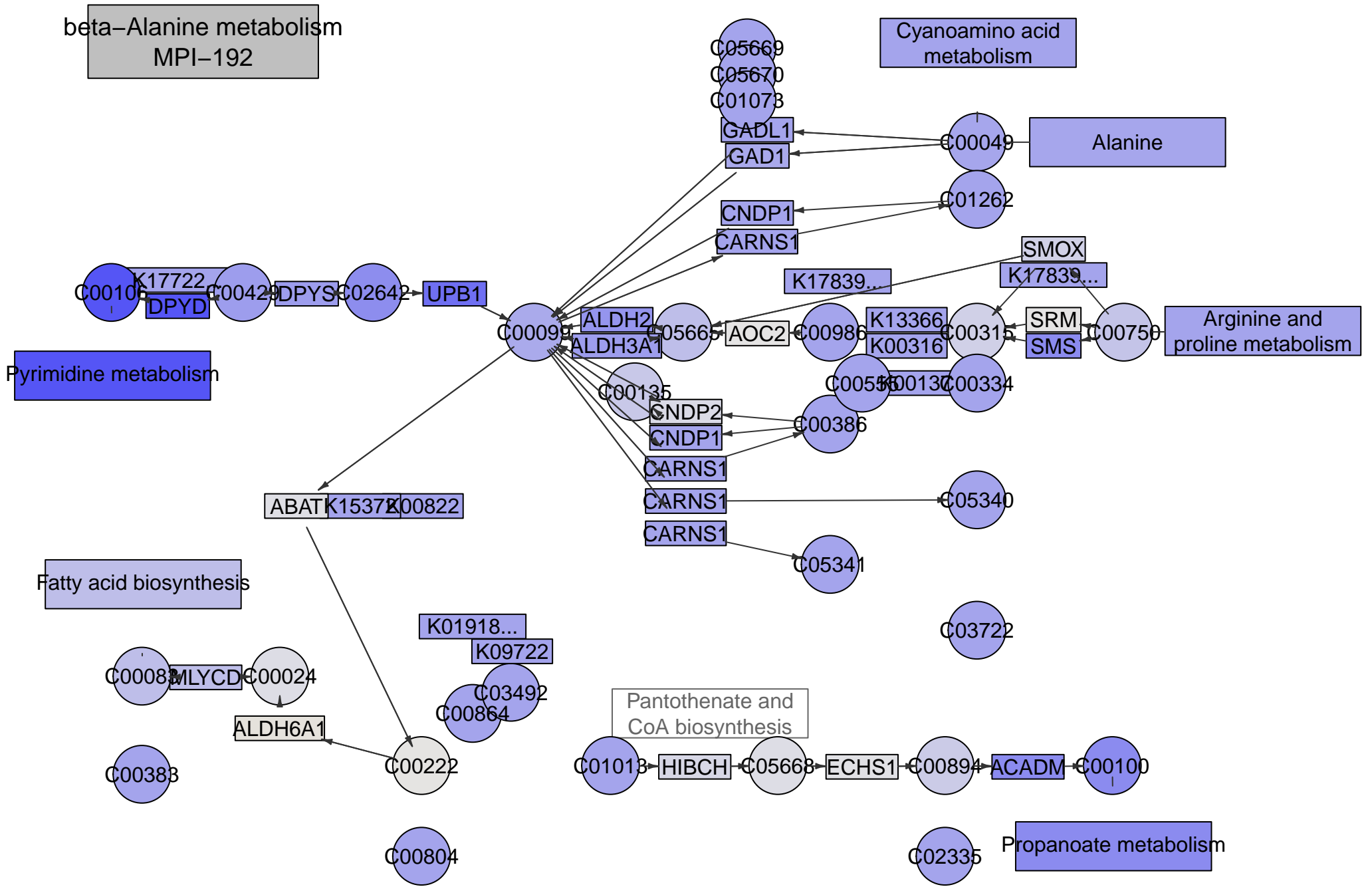
Fatty acid biosynthesis

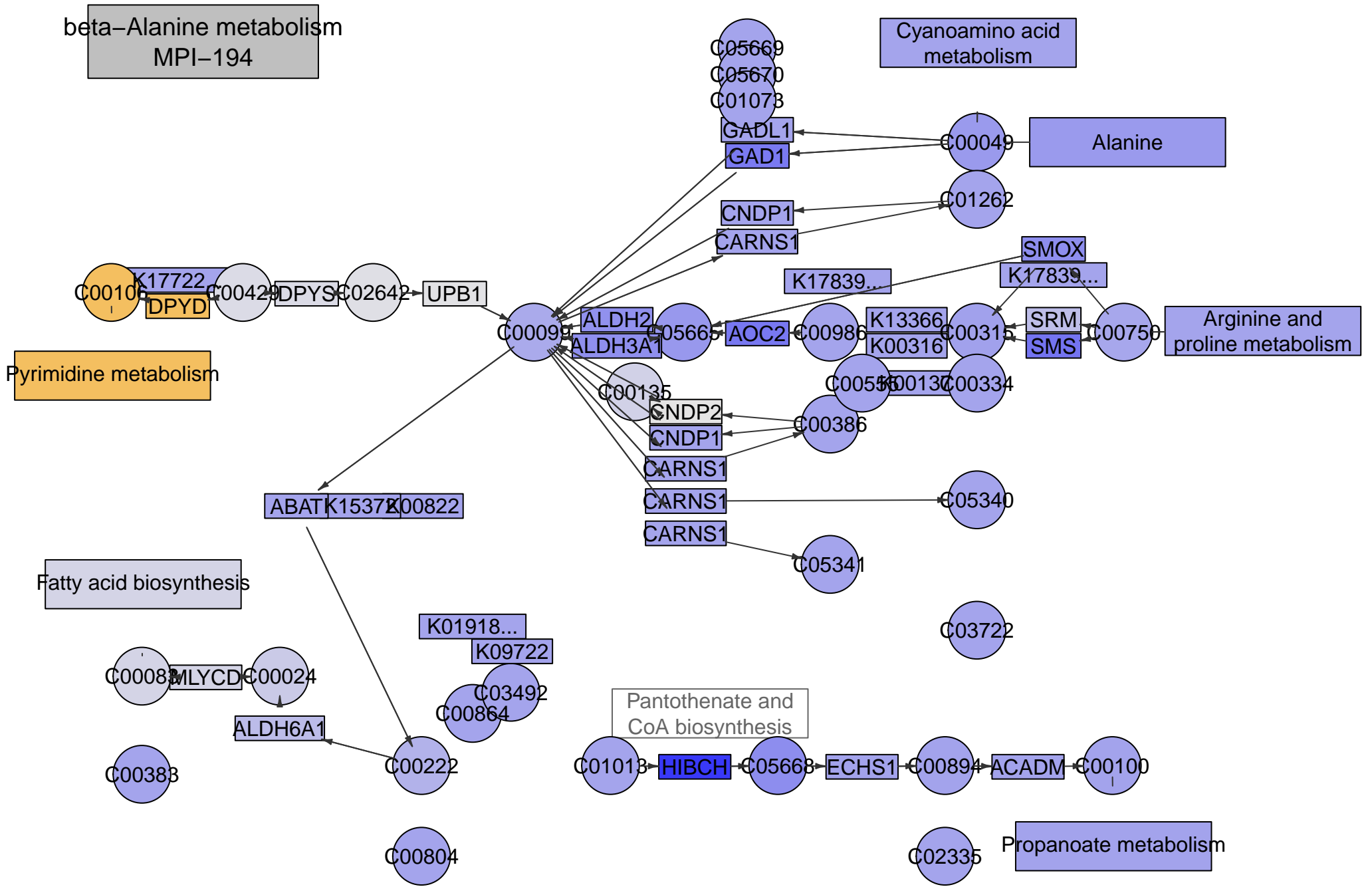
Pantothenate and
CoA biosynthesis

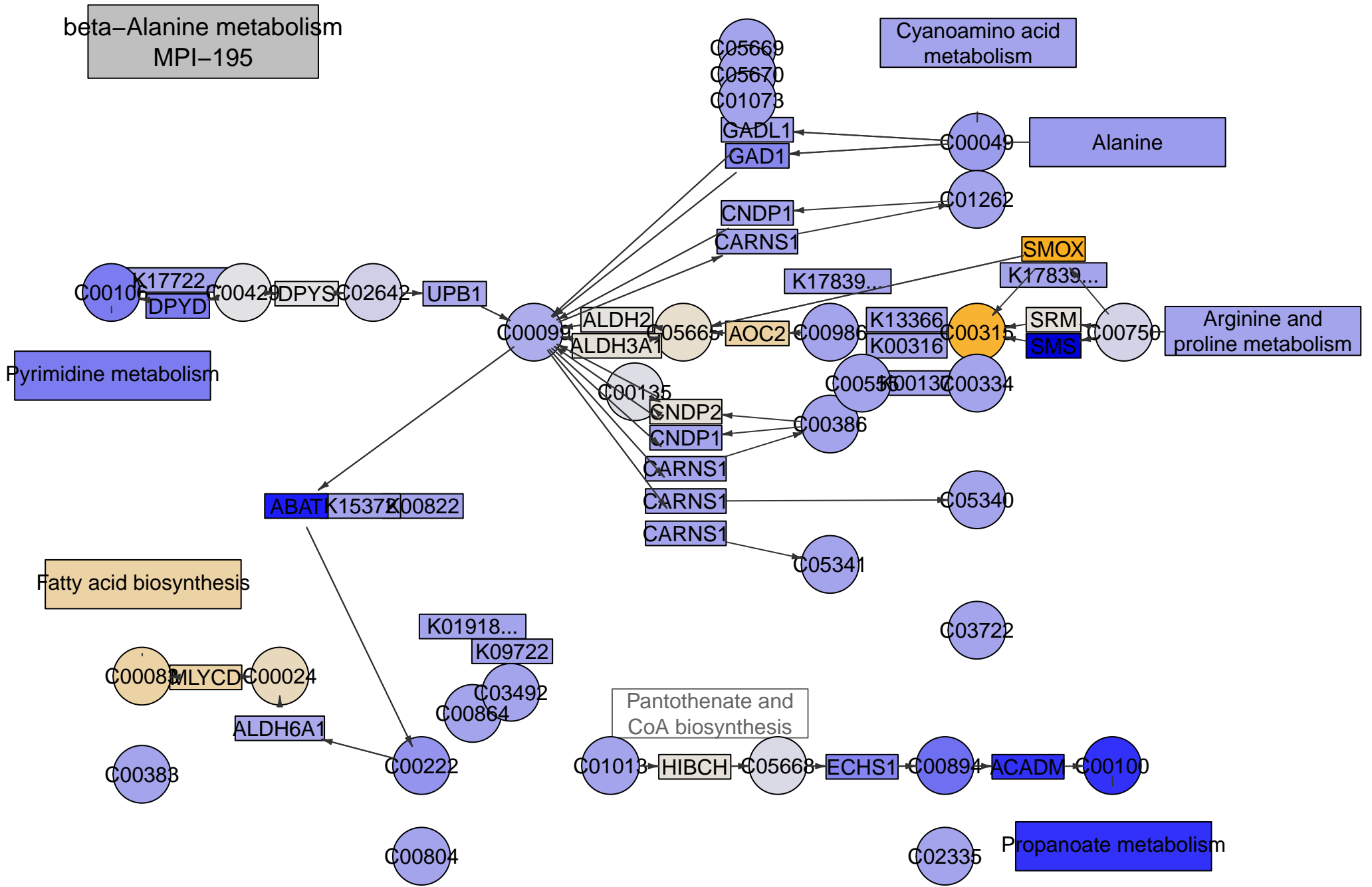
Propanoate metabolism

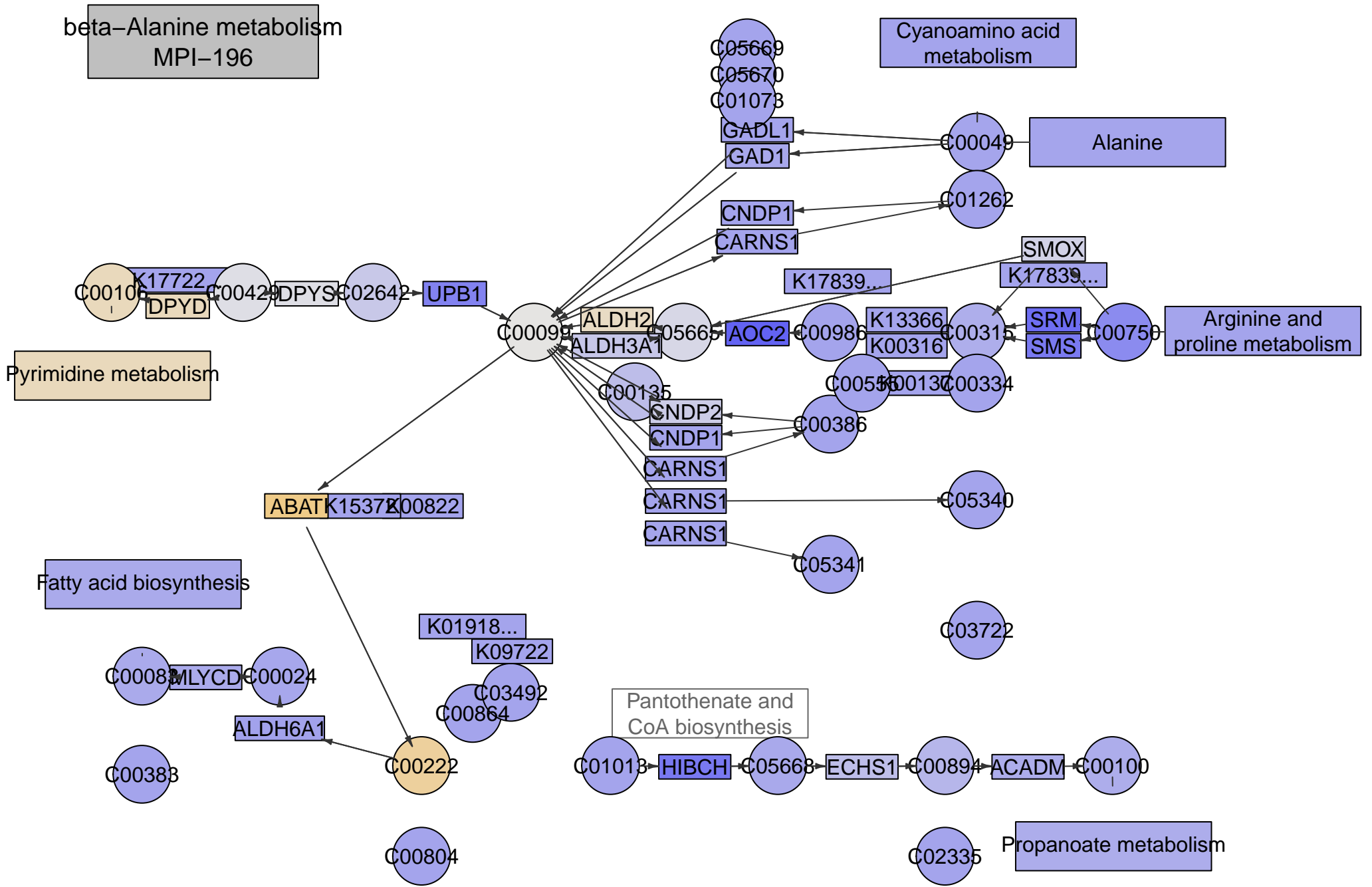


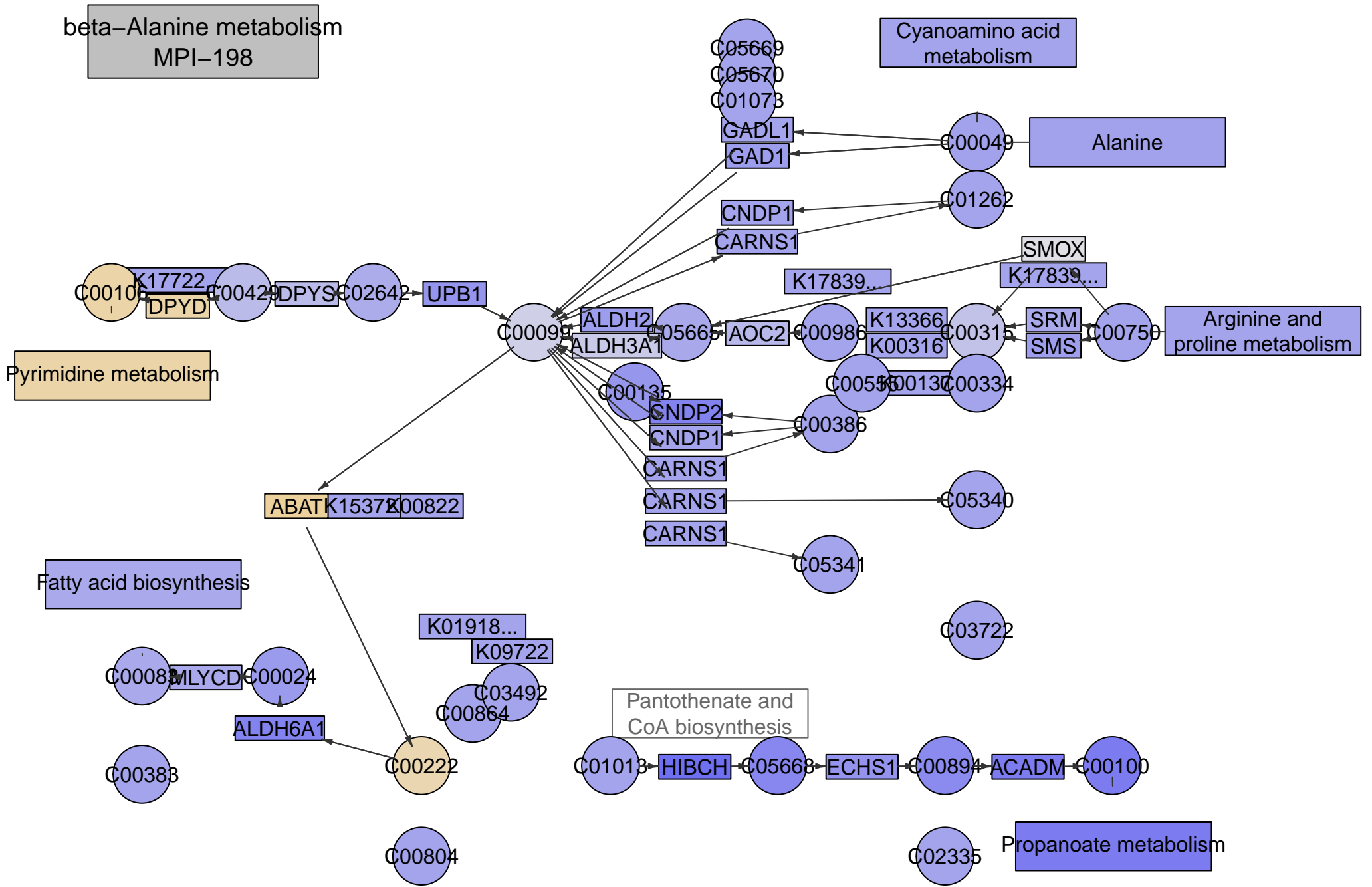


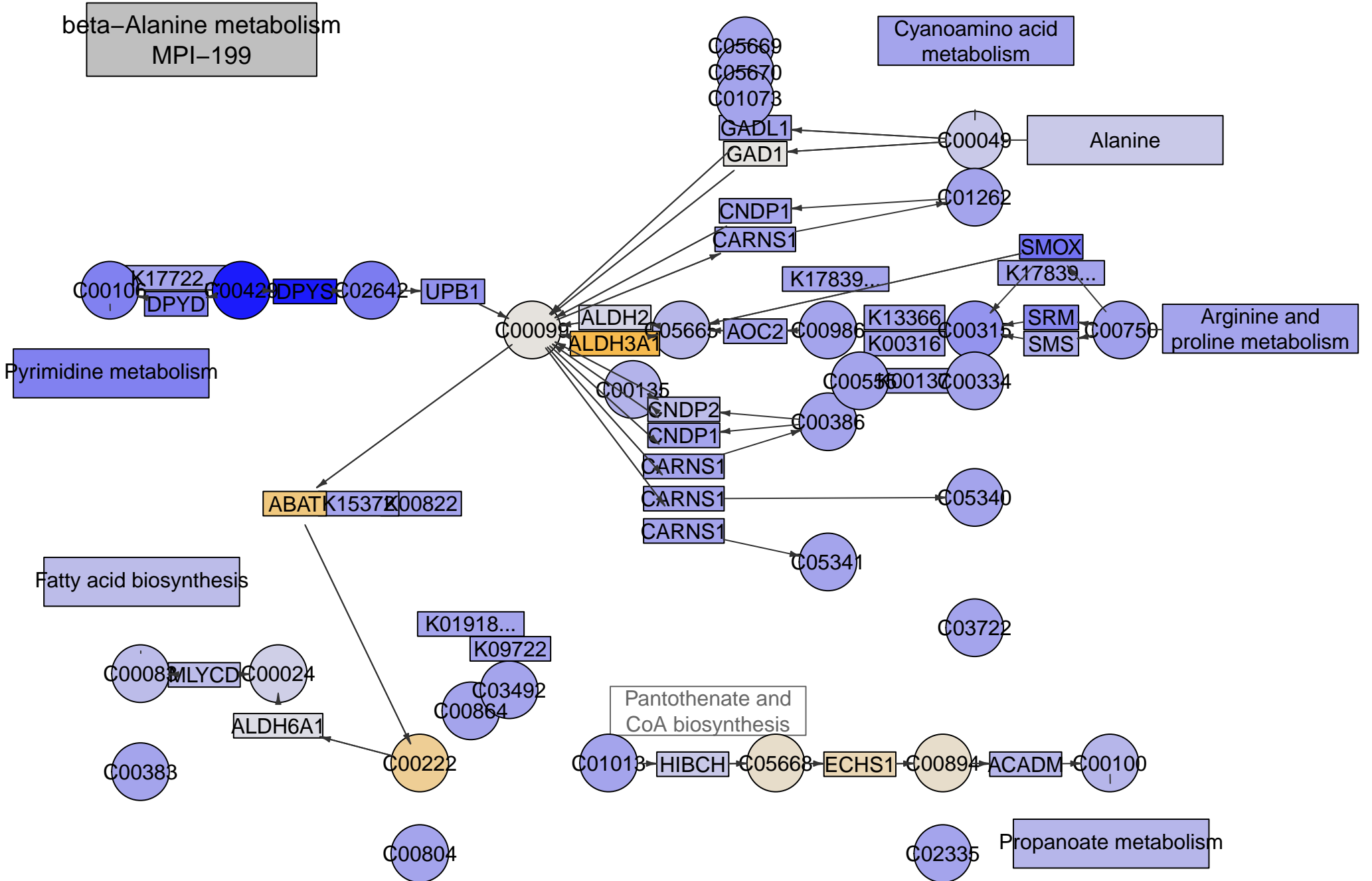


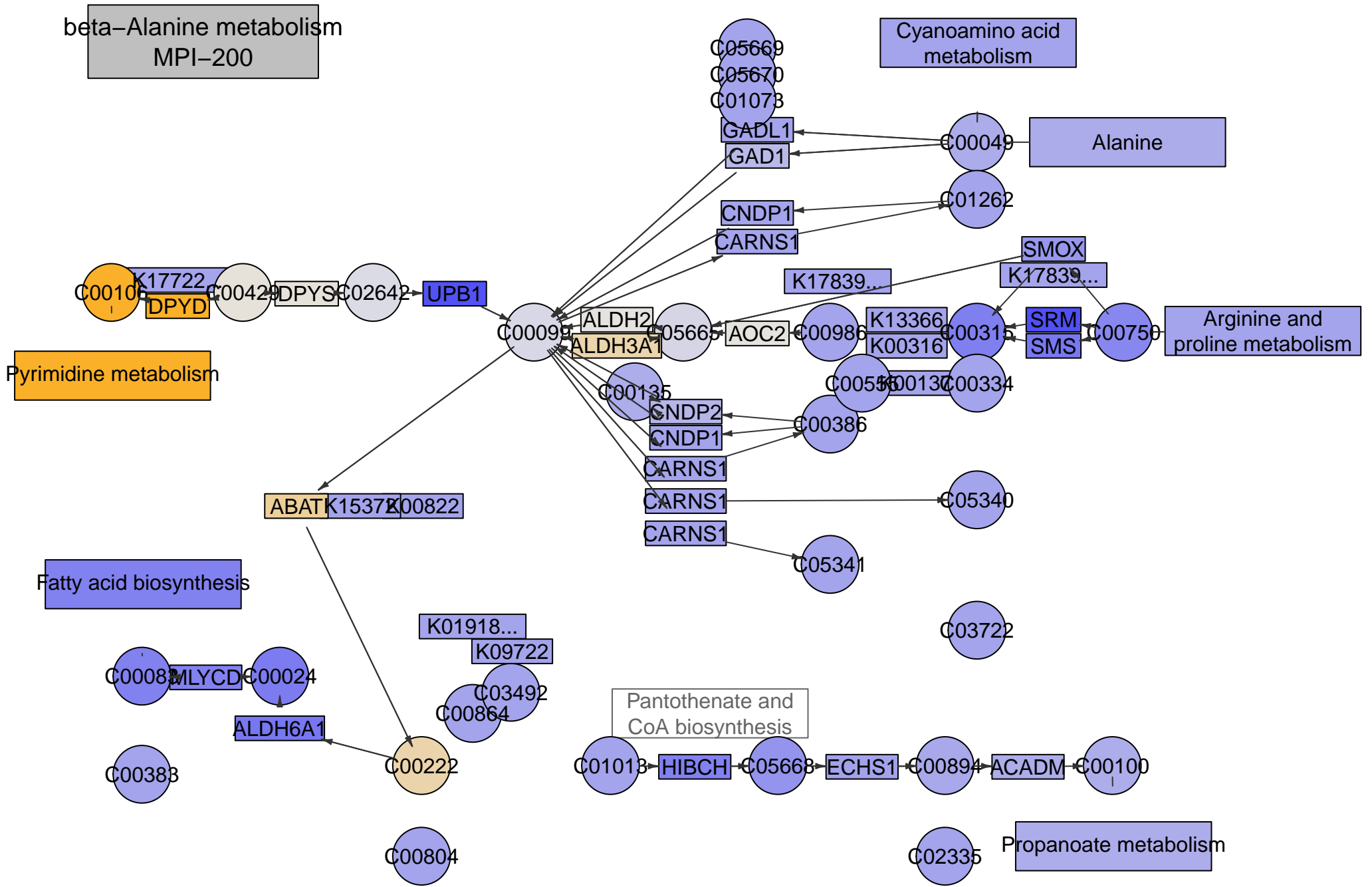


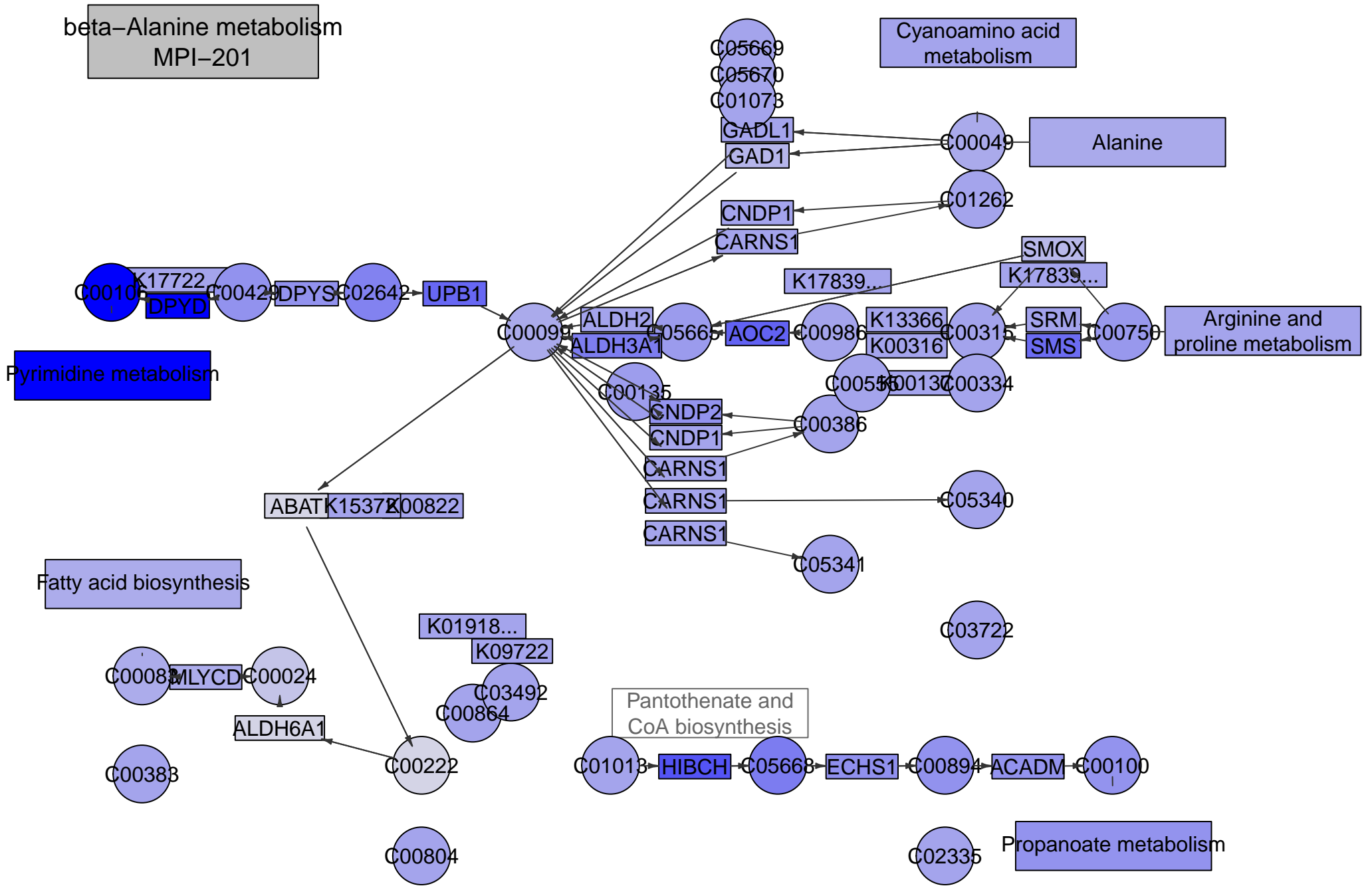


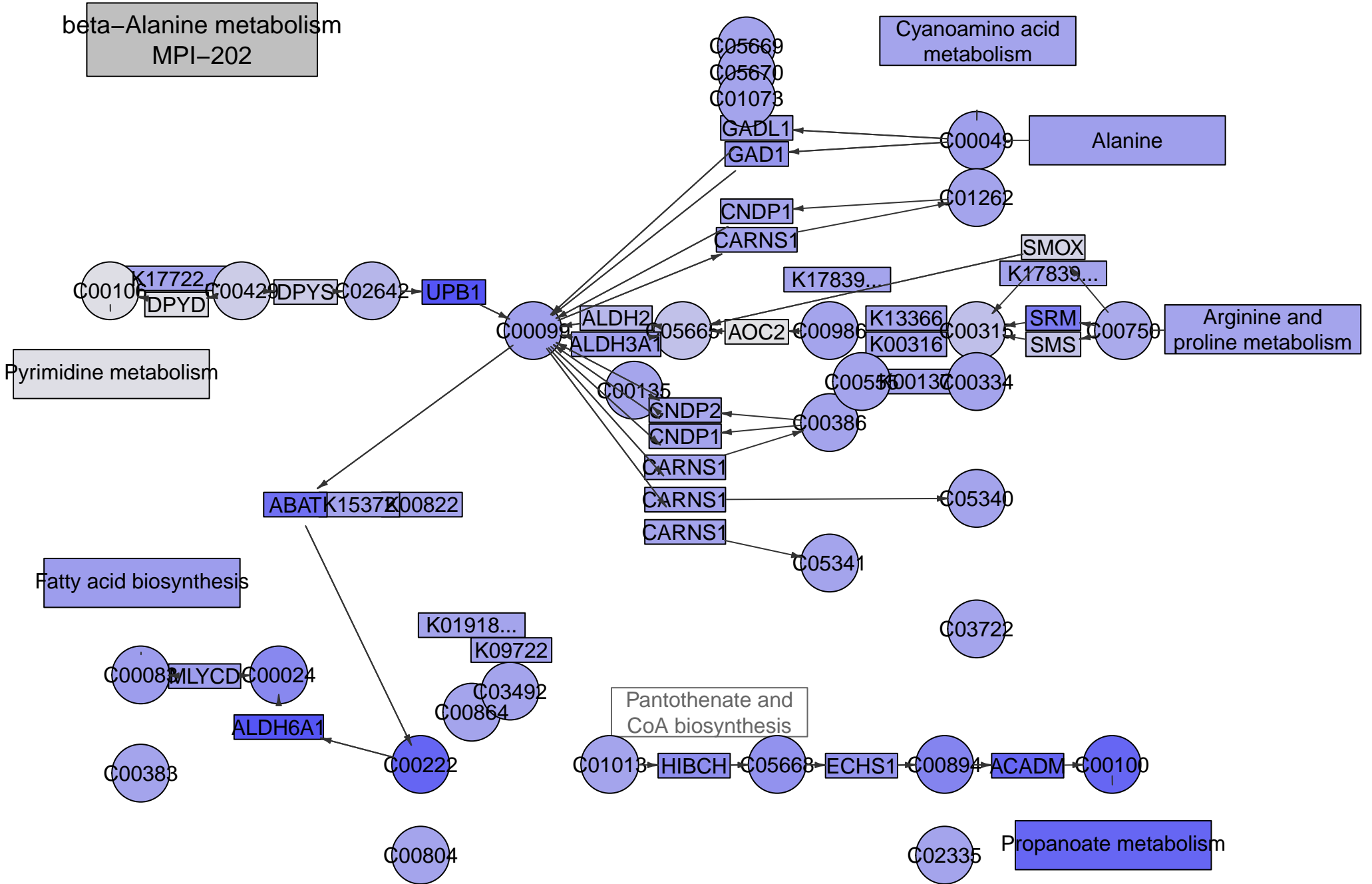


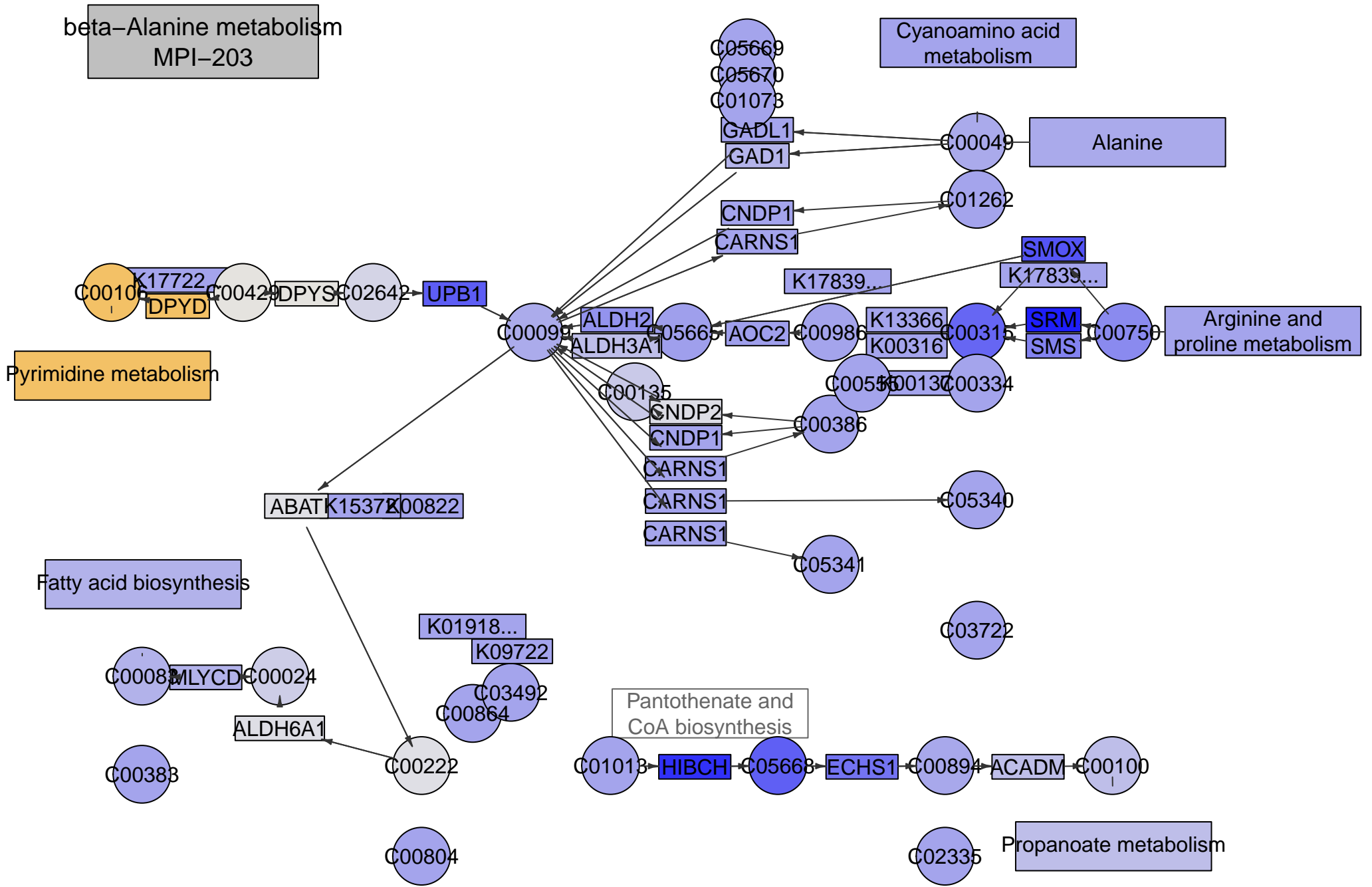












beta-Alanine metabolism
MPI-204

Cyanoamino acid
metabolism

Alanine

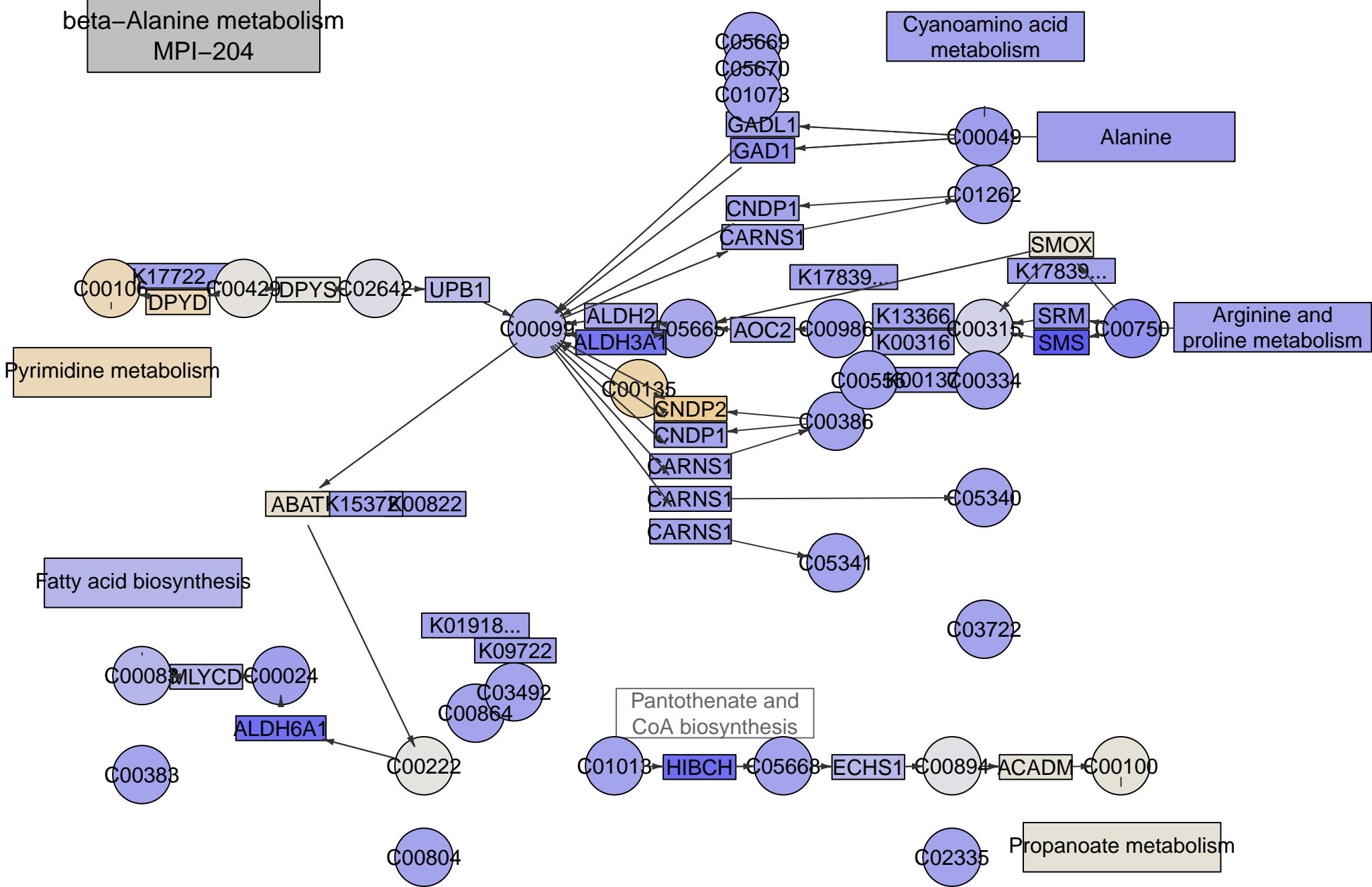
Arginine and
proline metabolism

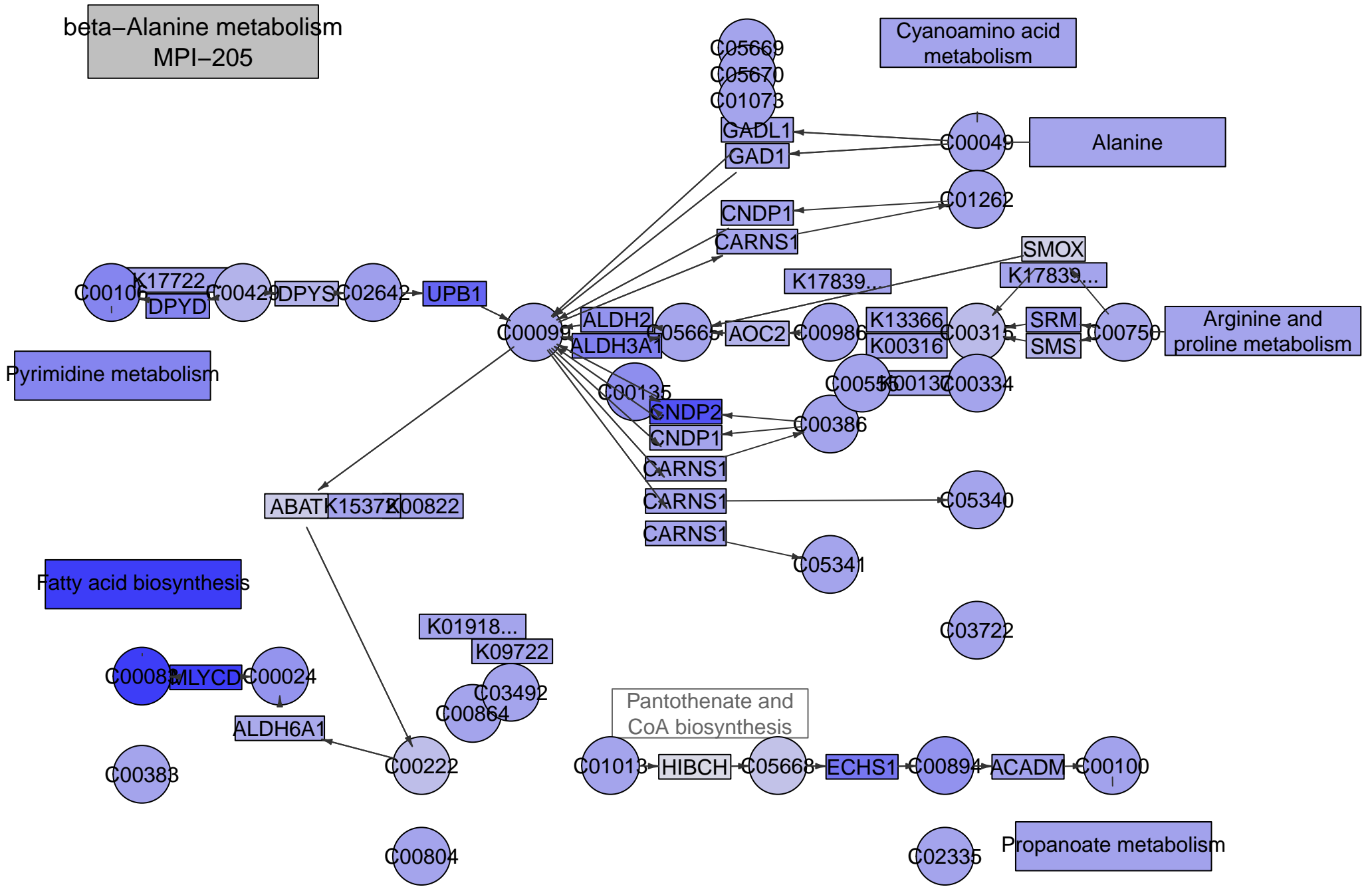
Pyrimidine metabolism

Fatty acid biosynthesis

Pantothenate and
CoA biosynthesis

Propanoate metabolism





beta-Alanine metabolism
MPI-206

Cyanoamino acid metabolism

Alanine

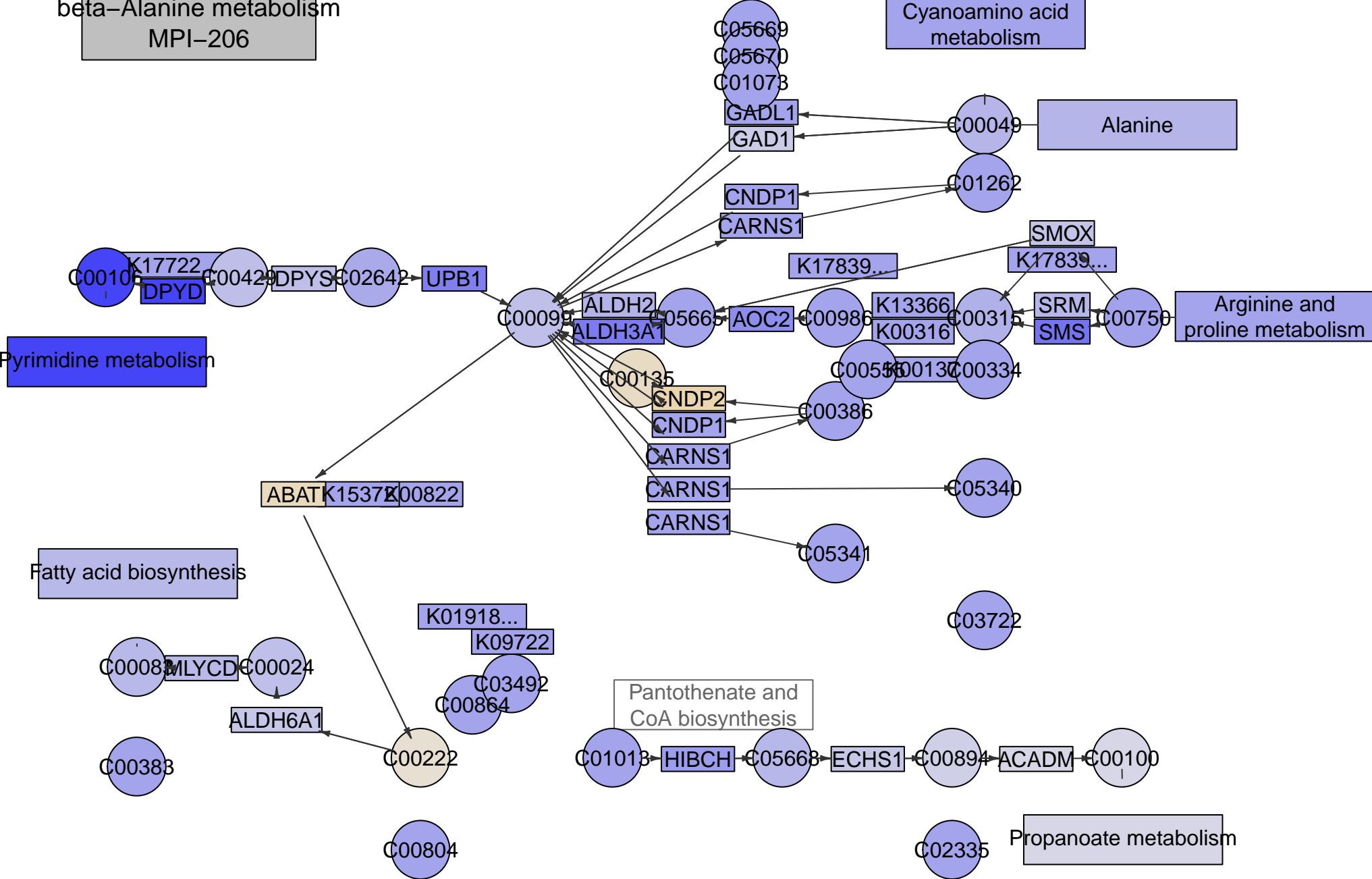
Arginine and proline metabolism

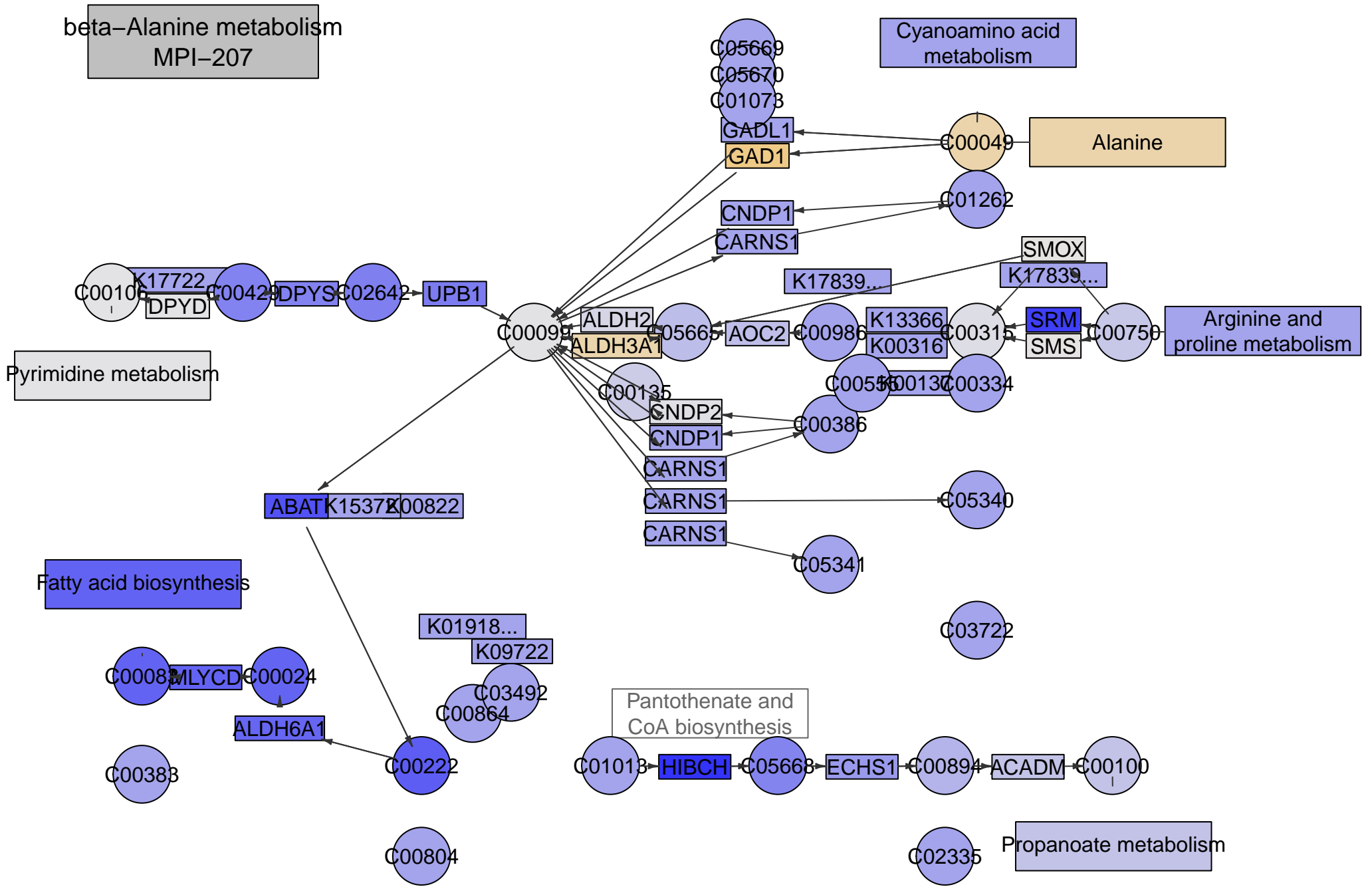
Pyrimidine metabolism

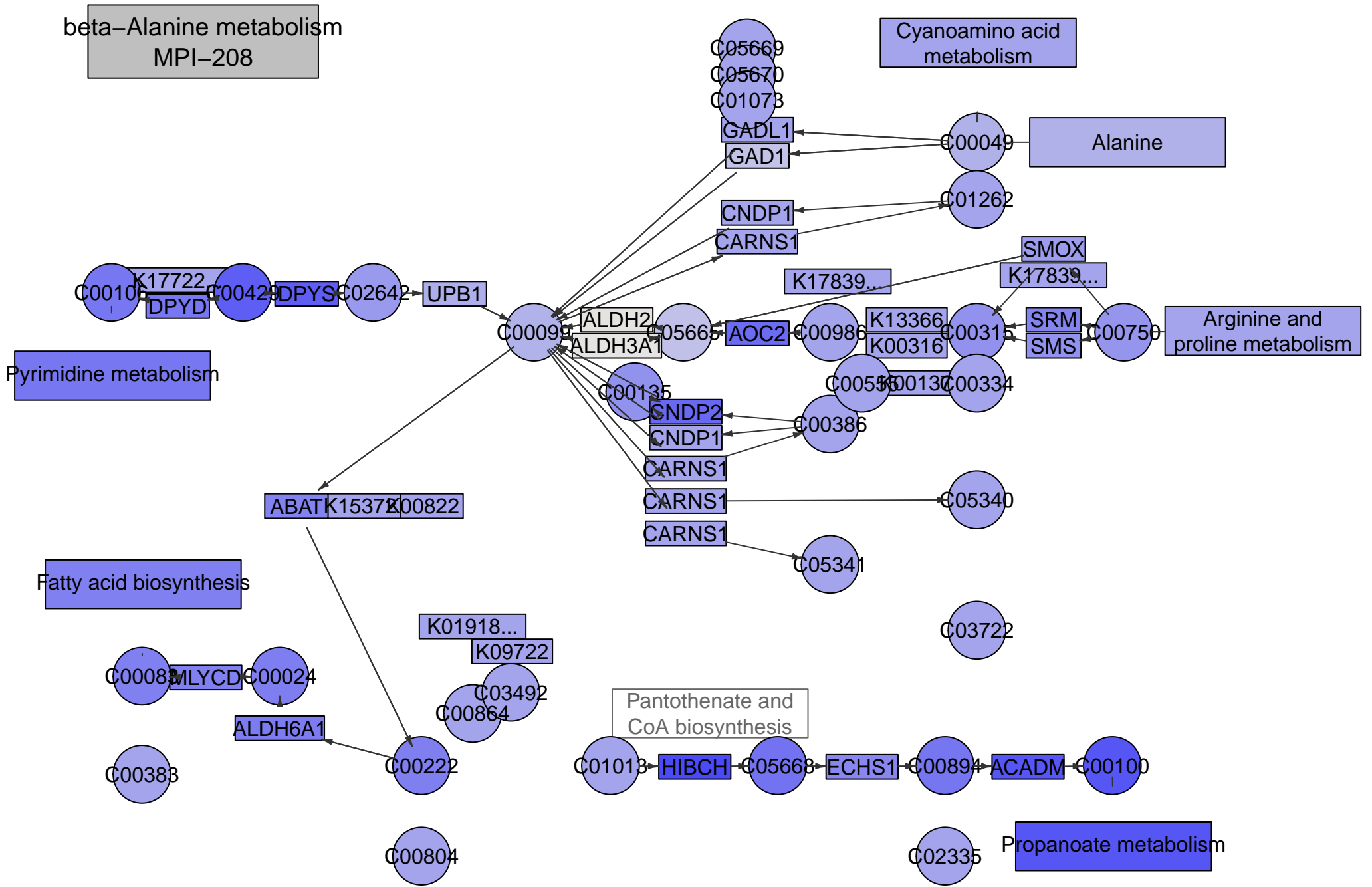
Fatty acid biosynthesis

Pantothenate and CoA biosynthesis

Propanoate metabolism







beta-Alanine metabolism
MPI-208

Cyanoamino acid
metabolism

Alanine

Arginine and
proline metabolism

Pyrimidine metabolism

Fatty acid biosynthesis

Pantothenate and
CoA biosynthesis

Propanoate metabolism

