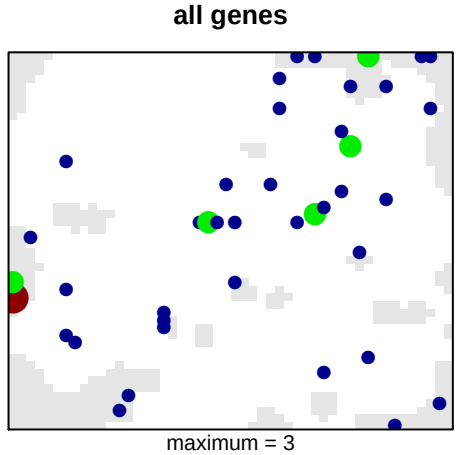
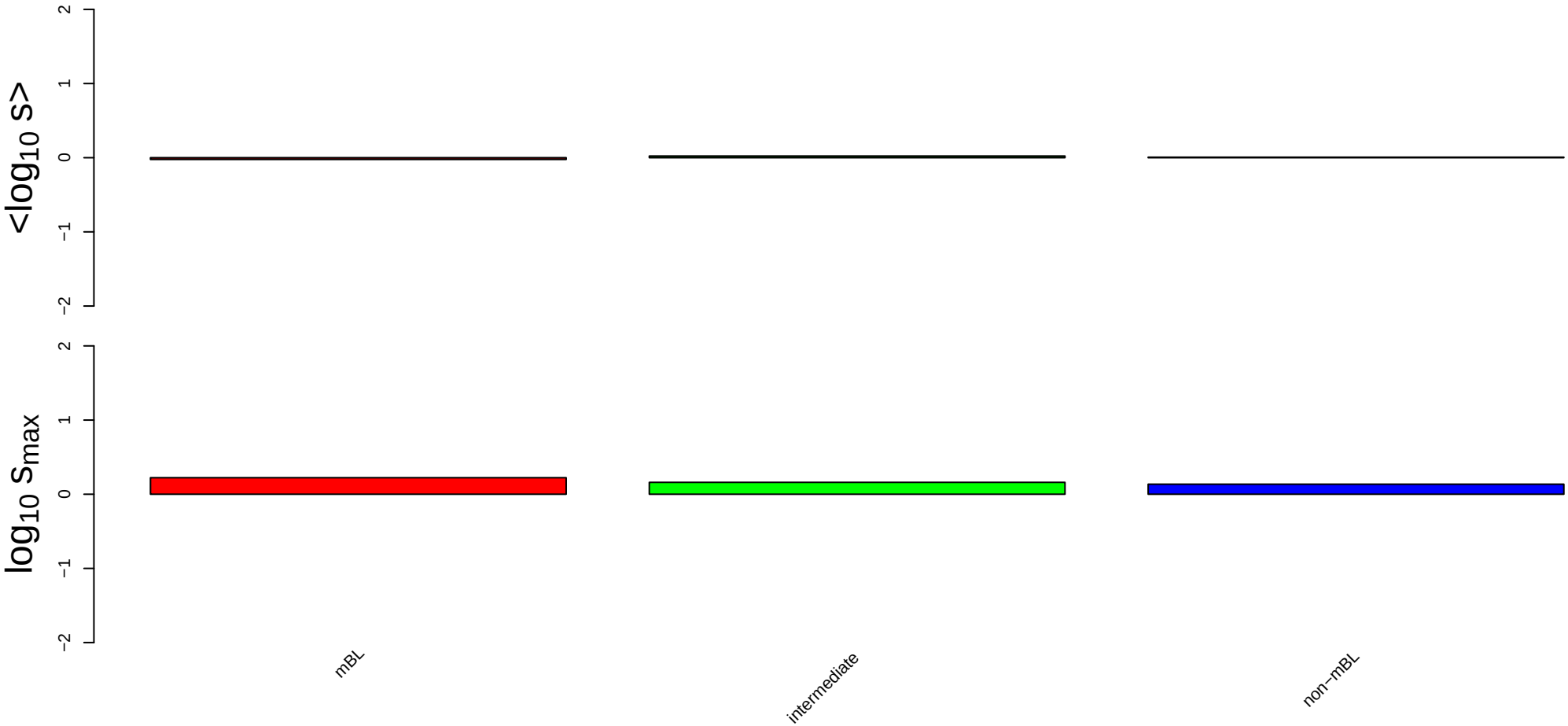
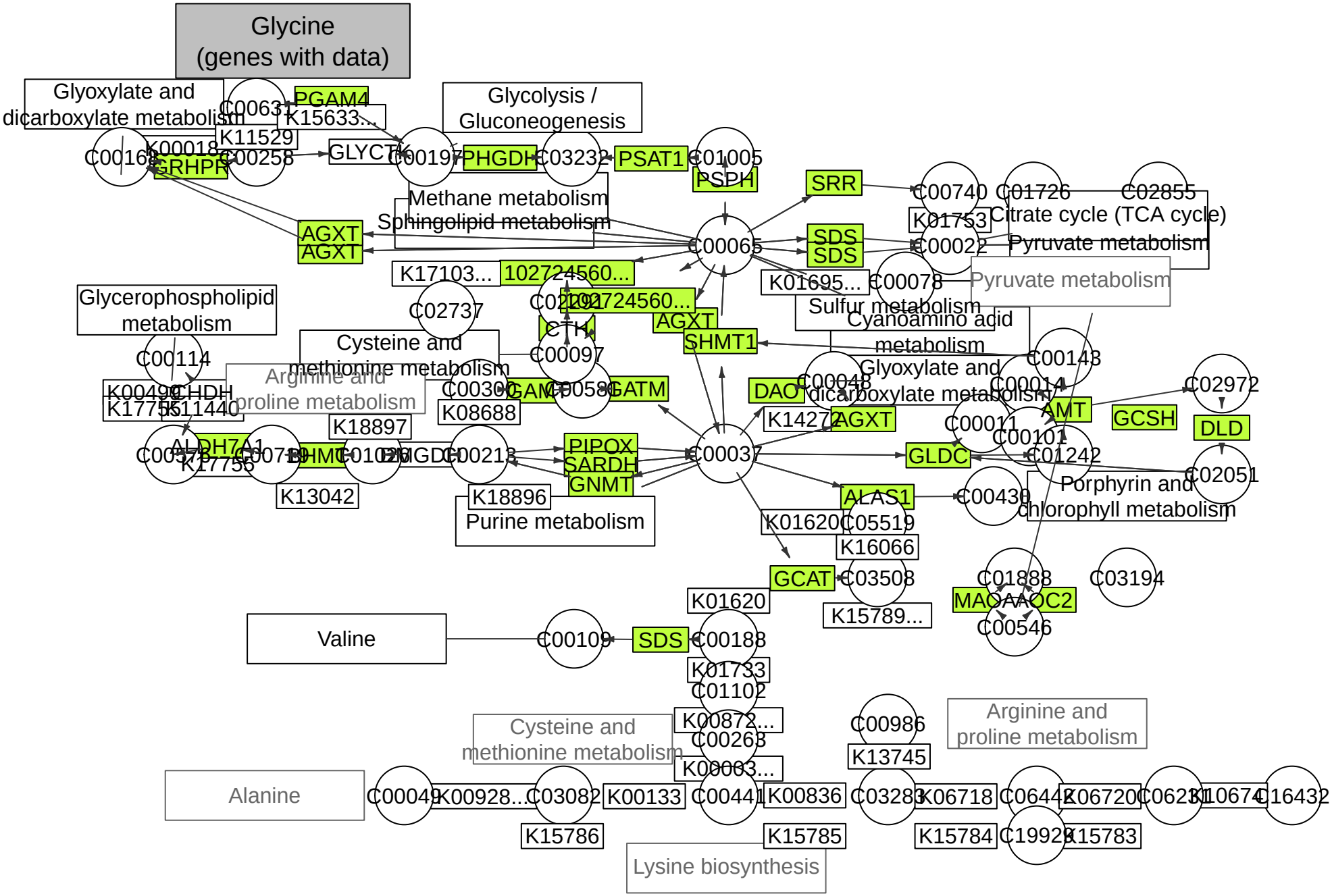
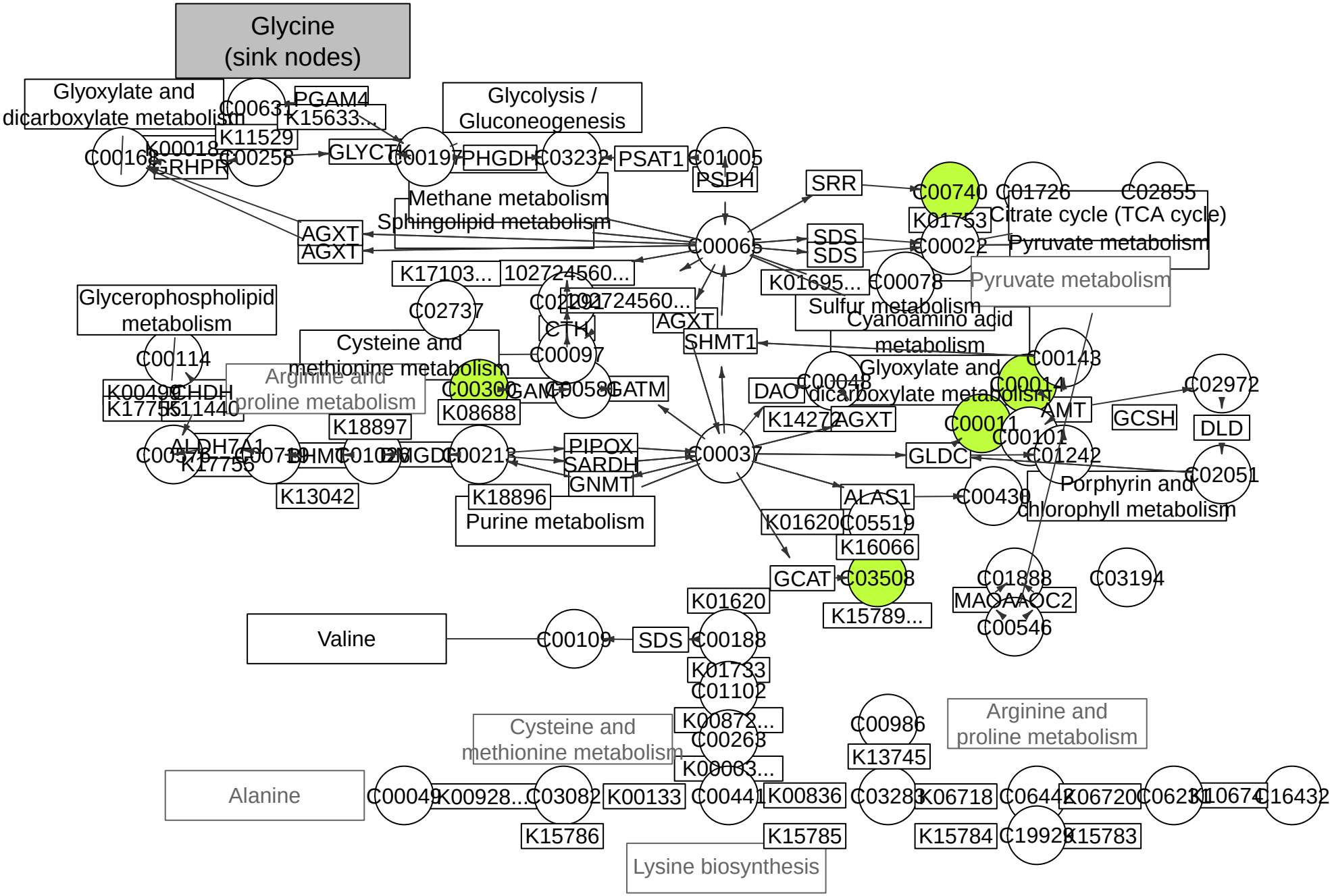
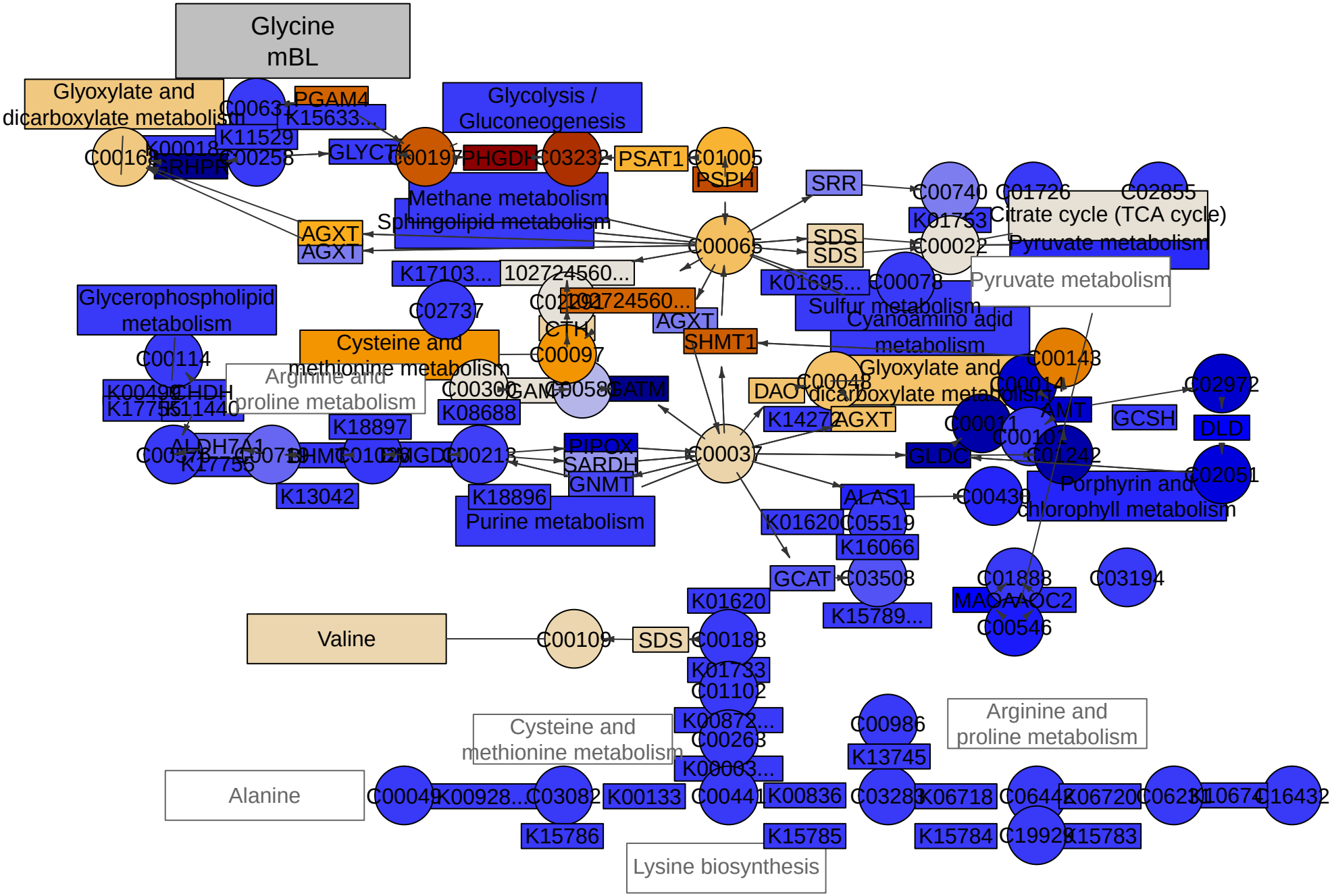
Glycine, serine and threonine metab

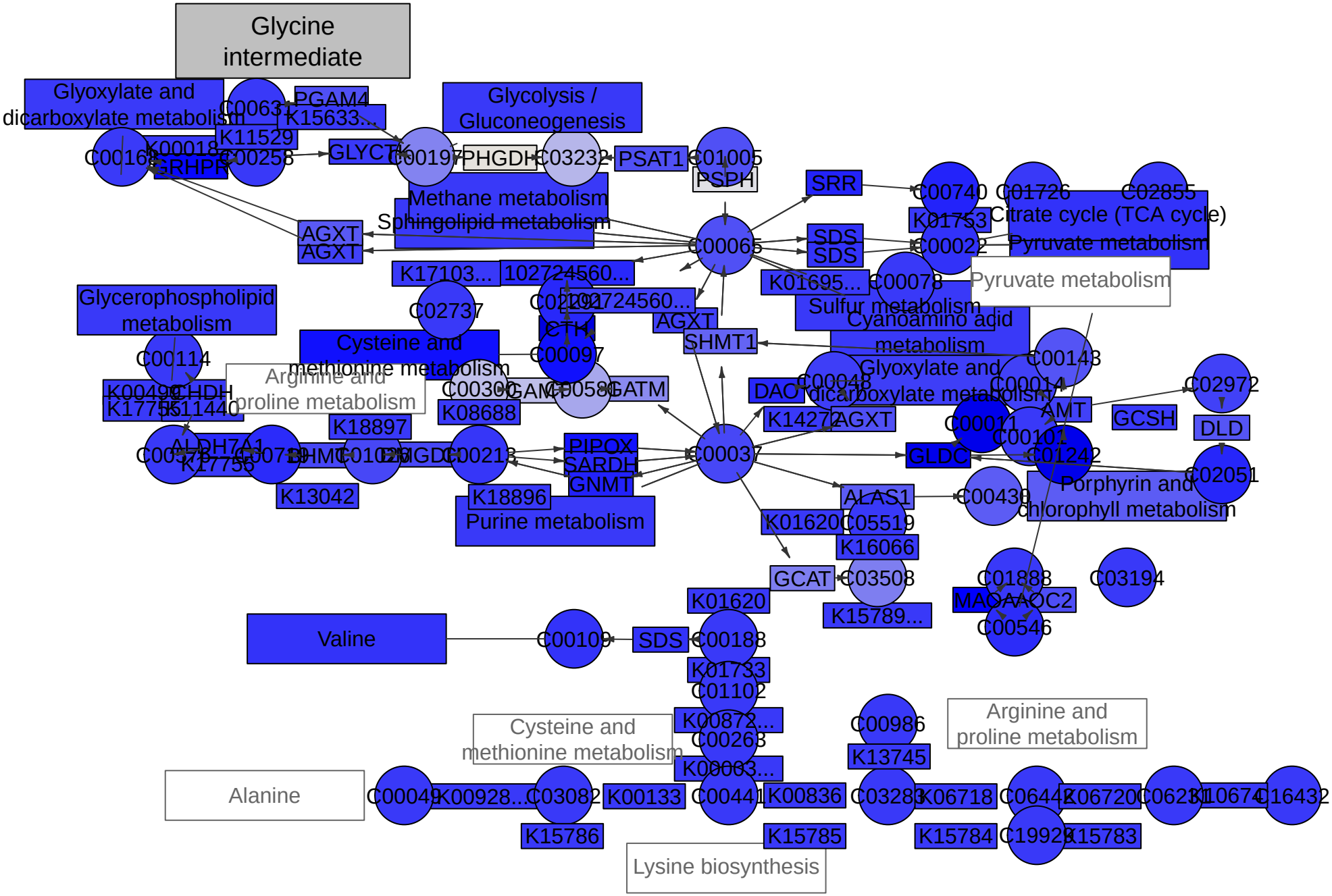


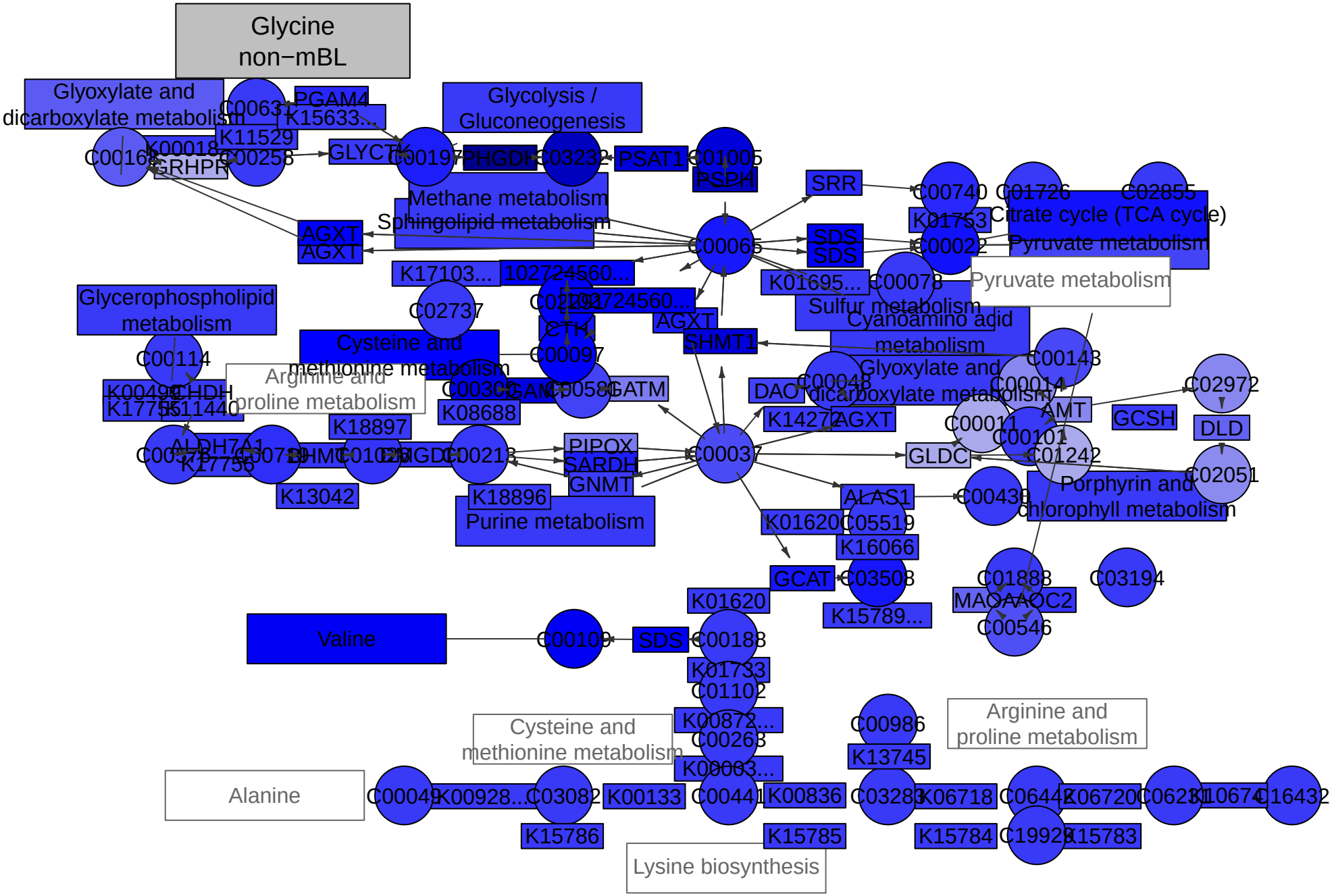




Glycine
(genes with data)
Glyoxylate and
dicarboxylate metabolism
C00631
PGAM4
K15633...
K11529
K00018
C00258
GLYCTK
GRHPR
C00197
PHGDH
Glycolysis /
Gluconeogenesis
C03232
PSAT1
C01005
PSPH
Methane metabolism
Sphingolipid metabolism
AGXT
AGXT
SRR
C00740
C01726
C02855
K01753
Citrate cycle (TCA cycle)
Pyruvate metabolism
C00065
SDS
SDS
C00022
K17103...
102724560...
K01695...
C00078
Pyruvate metabolism
Sulfur metabolism
Glycerophospholipid
metabolism
C02737
102724560...
AGXT
CTH
SHMT1
Cyanoamino acid
metabolism
C00114
Cysteine and
methionine metabolism
C00097
C00143
Arginine and
proline metabolism
Glyoxylate and
dicarboxylate metabolism
C00048
C00014
C02972
K00490
GCHDH
K17755
K11440
C00300
GAMT
C00586
GATM
DAO
K08688
K14272
AGXT
AMT
GCSH
DLD
K18897
C00011
C00101
ALDH7A1
K17755
C00719
BHMT
C01026
SIGDC
C00213
PIPOX
SARDH
GNMT
C00037
GLDC
C01242
C02051
K13042
K18896
Purine metabolism
ALAS1
C00430
Porphyrin and
chlorophyll metabolism
K01620
C05519
K16066
GCAT
C03508
C01888
C03194
K01620
MAOA
AOC2
K15789...
C00546
Valine
C00109
SDS
C00188
K01733
C01102
K00872...
C00263
K00003...
C00986
Cysteine and
methionine metabolism
Arginine and
proline metabolism
K13745
Alanine
C00049
K00928...
C03082
K00133
C00441
K00836
C03283
K06718
C06442
K06720
C06231
K10674
C16432
K15786
K15785
K15784
C19928
K15783
Lysine biosynthesis


Glycine
(sink nodes)
Glyoxylate and
dicarboxylate metabolism
C00631
PGAM4
K15633...
K11529
Glycolysis /
Gluconeogenesis
C00168
K00018
GRHPR
C00258
GLYCTK
C00197
PHGDH
C03232
PSAT1
C01005
PSPH
Methane metabolism
Sphingolipid metabolism
AGXT
AGXT
C00065
SRR
C00740
C01726
C02855
K01753
Citrate cycle (TCA cycle)
SDS
SDS
C00022
Pyruvate metabolism
K17103...
102724560...
K01695...
C00078
Pyruvate metabolism
Sulfur metabolism
Glycerophospholipid
metabolism
C02737
102724560...
AGXT
Cyanoamino acid
metabolism
CTH
SHMT1
C00114
Cysteine and
methionine metabolism
C00097
C00143
Glyoxylate and
dicarboxylate metabolism
Arginine and
proline metabolism
K00499
GCHDH
C00300
GAMT
C00586
GATM
DAO
C00048
C00014
C02972
K17755
K11440
K08688
K14272
AGXT
AMT
GCSH
DLD
K18897
C00011
C00101
ALDH7A1
C00578
K17755
C00719
BHMT
C01026
SDMGDH
C00213
PIPOX
SARDH
GNMT
C00037
GLDC
C01242
C02051
K13042
K18896
Purine metabolism
ALAS1
C00430
Porphyrin and
chlorophyll metabolism
K01620
C05519
K16066
GCAT
C03508
C01888
C03194
MAOA
AAOC2
K01620
K15789...
C00546
Valine
C00109
SDS
C00188
K01733
C01102
K00872...
C00263
K00003...
C00986
Cysteine and
methionine metabolism
Arginine and
proline metabolism
K13745
Alanine
C00049
K00928...
C03082
K00133
C00441
K00836
C03283
K06718
C06442
K06720
C06231
K10674
C16432
K15786
K15785
K15784
C19928
K15783
Lysine biosynthesis


Glycine
mBL
Glyoxylate and
dicarboxylate metabolism
C00631
PGAM4
K15633...
K11529
C00168
K00018
SRHPH
C00258
GLYCTK
Glycolysis /
Gluconeogenesis
C00197
PHGDH
C03232
PSAT1
C01005
PSPH
Methane metabolism
Sphingolipid metabolism
AGXT
AGXT
SRR
C00740
C01726
C02855
K01753
Citrate cycle (TCA cycle)
Pyruvate metabolism
C00065
SDS
SDS
C00022
K17103...
102724560...
K01695...
C00078
Pyruvate metabolism
Sulfur metabolism
Cyanoamino acid
metabolism
Glycerophospholipid
metabolism
C02737
C02291
102724560...
AGXT
CTH
SHMT1
C00114
Cysteine and
methionine metabolism
C00097
C00143
Arginine and
proline metabolism
C00300
GAMT
C00058
GATM
DAO
C00048
Glyoxylate and
dicarboxylate metabolism
C00014
C02972
K17755
K11440
K08688
K14272
AGXT
C00011
AMT
GCSH
DLD
K18897
ALDH7A1
C00578
K17755
C00719
BHMT
C01026
SDMGDC
C00213
PIPOX
SARDH
GNMT
C00037
GLDC
C00101
C01242
C02051
K13042
K18896
Purine metabolism
ALAS1
C00439
Porphyrin and
chlorophyll metabolism
K01620
C05519
K16066
GCAT
C03508
C01888
C03194
MAOA
AAOC2
K01620
K15789...
C00546
Valine
C00109
SDS
C00188
K01733
C01102
Cysteine and
methionine metabolism
K00872...
C00263
K00003...
C00986
K13745
Arginine and
proline metabolism
Alanine
C00049
K00928...
C03082
K00133
C00441
K00836
C03283
K06718
C06448
K06720
C06231
K10674
C16432
K15786
K15785
K15784
C19928
K15783
Lysine biosynthesis


Glycine intermediate
Glyoxylate and dicarboxylate metabolism
C00631
PGAM4
K15633...
K11529
C00160
K00018
GRHPR
C00258
GLYCTK
C00197
PHGDH
C03232
PSAT1
C01005
PSPH
Glycolysis / Gluconeogenesis
Methane metabolism
Sphingolipid metabolism
AGXT
AGXT
SRR
C00740
C01726
C02855
K01753
Citrate cycle (TCA cycle)
SDS
SDS
C00022
Pyruvate metabolism
C00065
K17103...
102724560...
K01695...
C00078
Pyruvate metabolism
Sulfur metabolism
Cyanoamino acid metabolism
Glycerophospholipid metabolism
C02737
C02291
102724560...
AGXT
SHMT1
CTH
C00097
Cysteine and methionine metabolism
C00114
Arginine and proline metabolism
C00143
K00490
CHDH
K17755
K11440
C00300
GAMT
C00586
GATM
DAO
C00048
Glyoxylate and dicarboxylate metabolism
C00014
C02972
K18897
K08688
K14272
AGXT
C00011
AMT
GCSH
DLD
ALDH7A1
K17755
C00578
BHMT
C01026
SMGDC
C00213
PIPOX
SARDH
GNMT
C00037
GLDC
C00101
C01242
C02051
K13042
K18896
Purine metabolism
ALAS1
C00439
Porphyrin and chlorophyll metabolism
K01620
C05519
K16066
GCAT
C03508
C01888
C03194
MAOA
AOC2
K01620
K15789...
C00546
Valine
C00109
SDS
C00188
K01733
C01102
K00872...
C00263
K00003...
Cysteine and methionine metabolism
C00986
K13745
Arginine and proline metabolism
Alanine
C00049
K00928...
C03082
K00133
C00441
K00836
C03283
K06718
C06442
K06720
C06231
K10674
C16432
K15786
K15785
K15784
C19928
K15783
Lysine biosynthesis


Glycine
non−mBL
Glyoxylate and
dicarboxylate metabolism
C00631
PGAM4
K15633...
K11529
C00165
K00018
GRHPR
C00258
GLYCTK
Glycolysis /
Gluconeogenesis
C00197
PHGDH
C03232
PSAT1
C01005
PSPH
Methane metabolism
Sphingolipid metabolism
AGXT
AGXT
SRR
C00740
C01726
C02855
K01753
Citrate cycle (TCA cycle)
C00065
SDS
SDS
C00022
Pyruvate metabolism
K17103...
102724560...
K01695...
C00078
Pyruvate metabolism
Glycerophosphoplipid
metabolism
C02737
102724560...
Sulfur metabolism
AGXT
Cyanoamino acid
metabolism
SHMT1
C00114
Cysteine and
methionine metabolism
C00097
C00143
Glyoxylate and
dicarboxylate metabolism
Arginine and
proline metabolism
C00048
C00014
C02972
K11440
K18897
K08688
DAO
K14272
AGXT
C00011
AMT
GCSH
DLD
C00101
ALDH7A1
K17756
K13042
PIPOX
SARDH
GNMT
C00037
GLDC
C01242
C02051
K18896
Purine metabolism
ALAS1
C00430
Porphyrin and
chlorophyll metabolism
K01620
C05519
K16066
GCAT
C03508
C01888
C03194
MAOA
AOC2
C00546
K15789...
K01620
Valine
C00109
SDS
C00188
K01733
C01102
K00872...
C00263
K00003...
Cysteine and
methionine metabolism
C00986
K13745
Arginine and
proline metabolism
Alanine
C00049
K00928...
C03082
K00133
C00441
K00836
C03283
K06718
C06448
K06720
C06231
K10674
C16432
K15786
K15785
K15784
C19928
K15783
Lysine biosynthesis