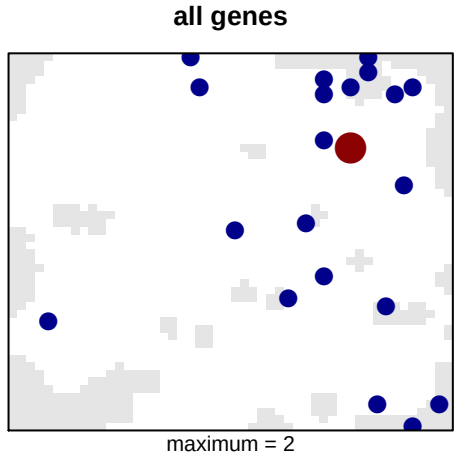
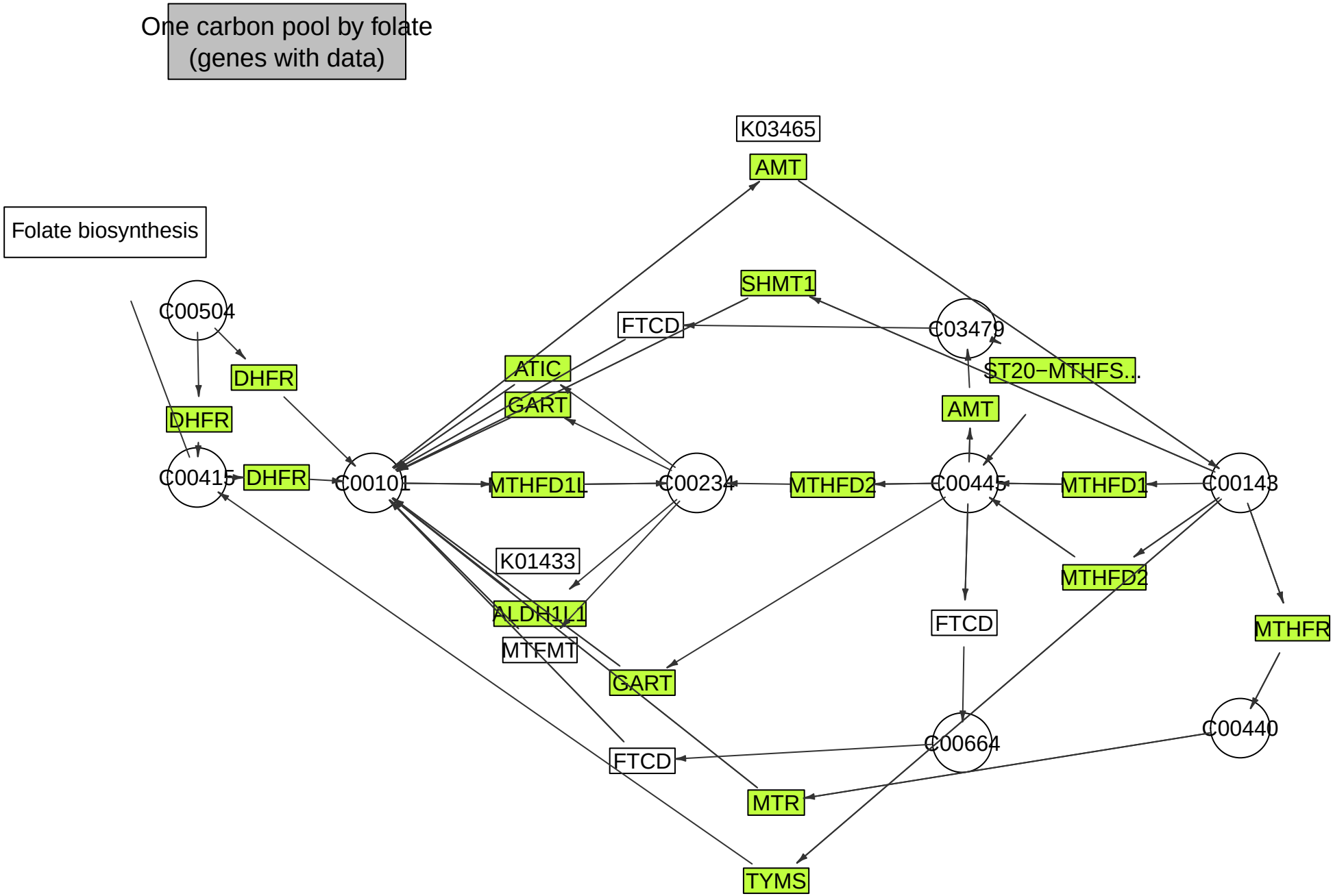
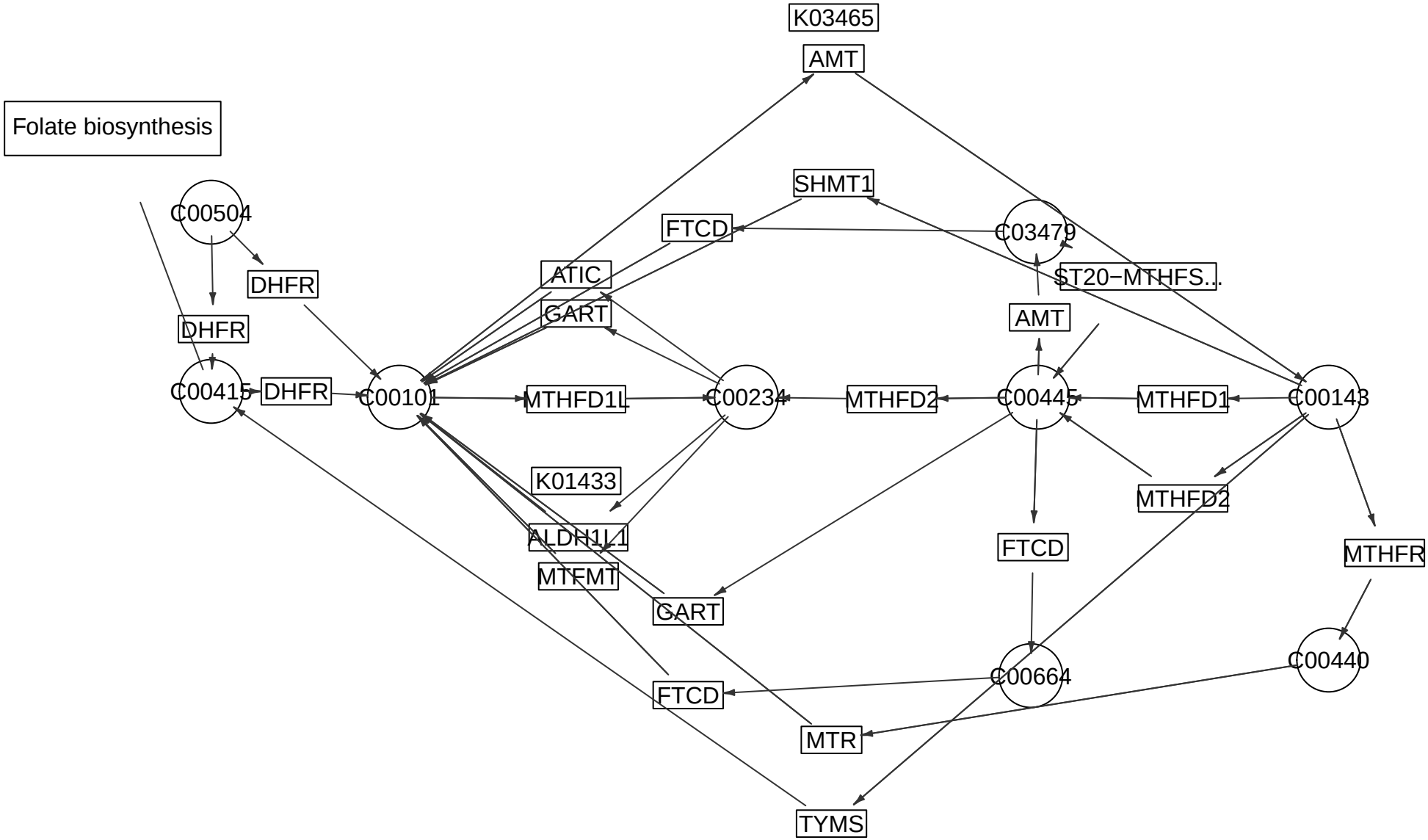
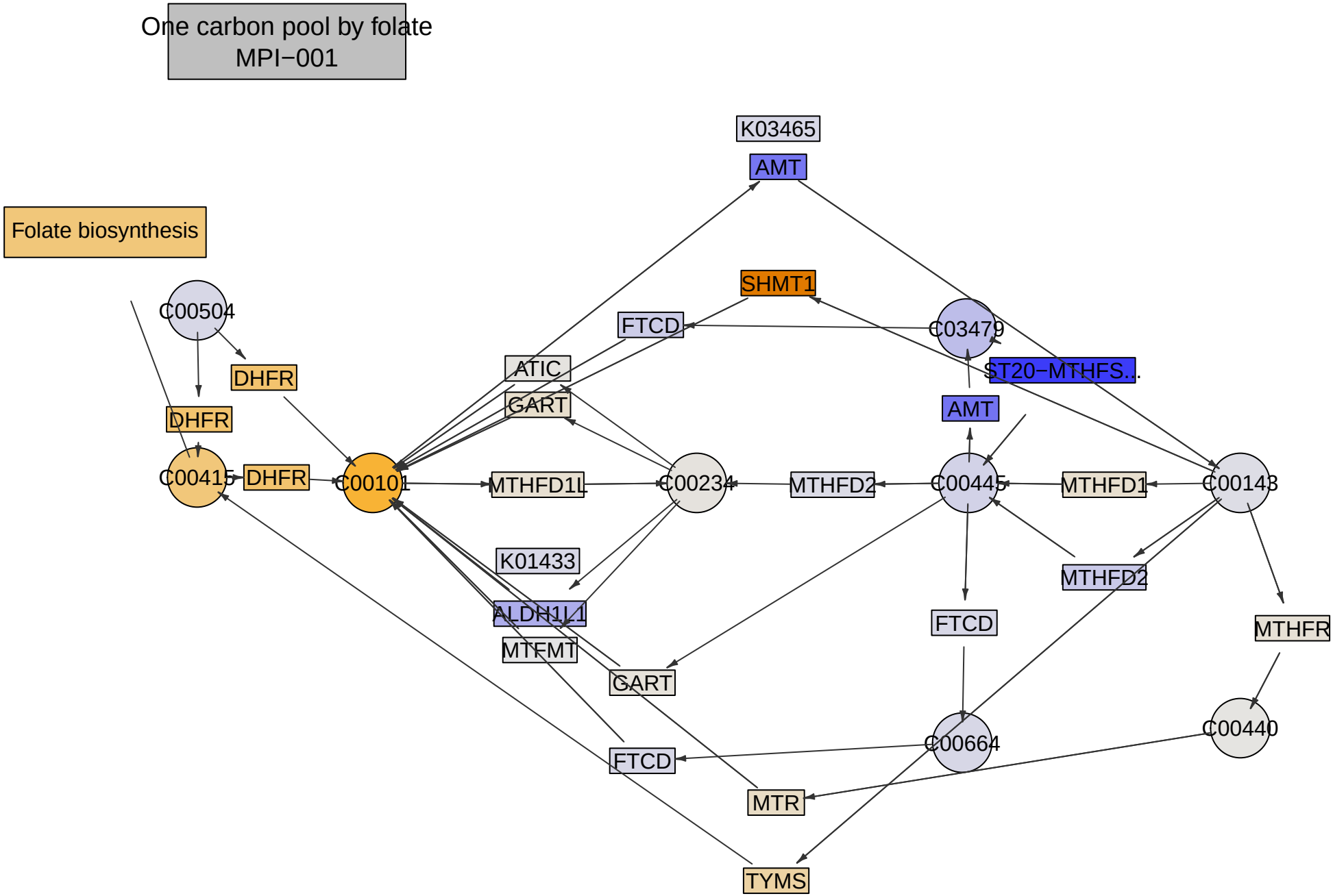
# One carbon pool by folate

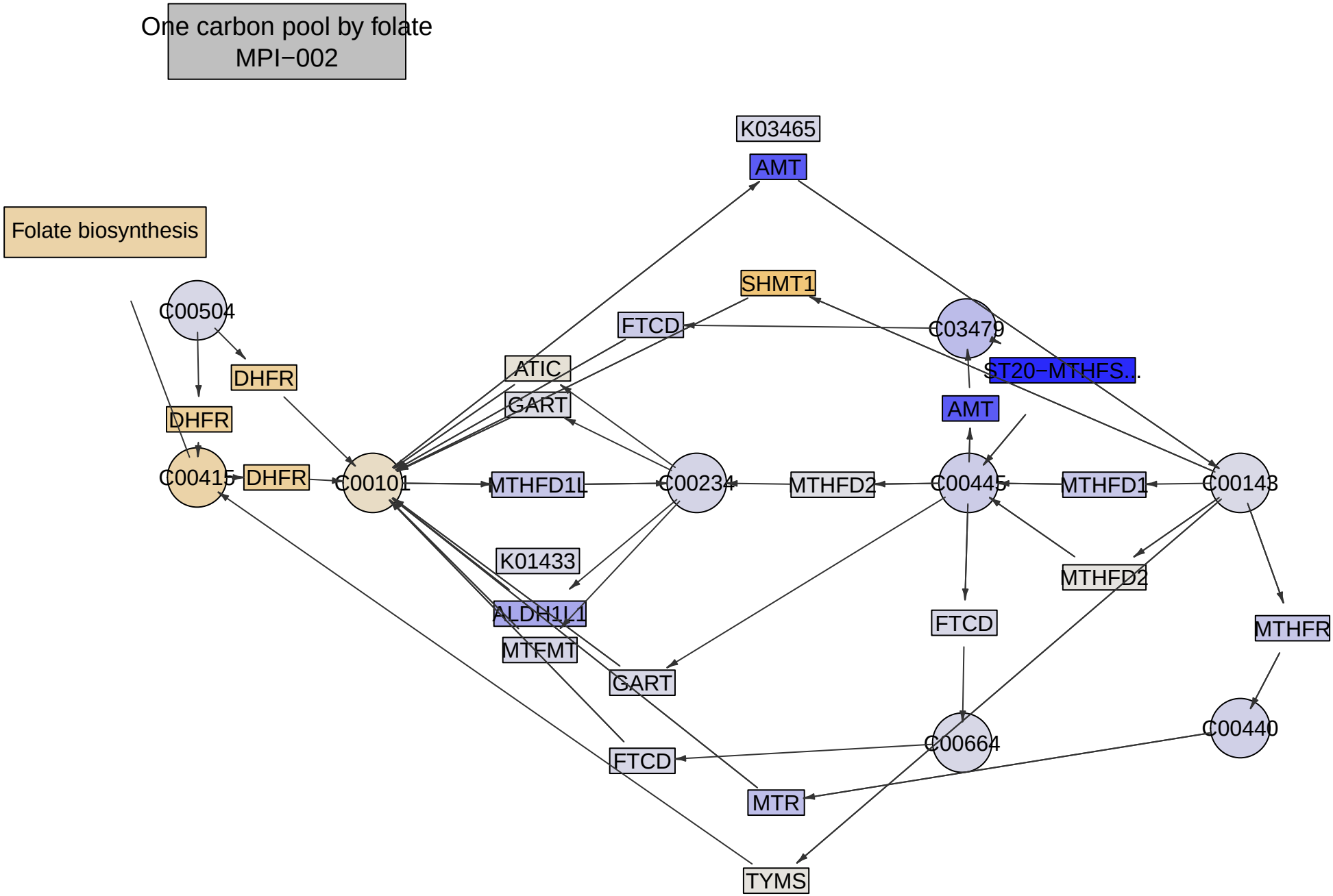


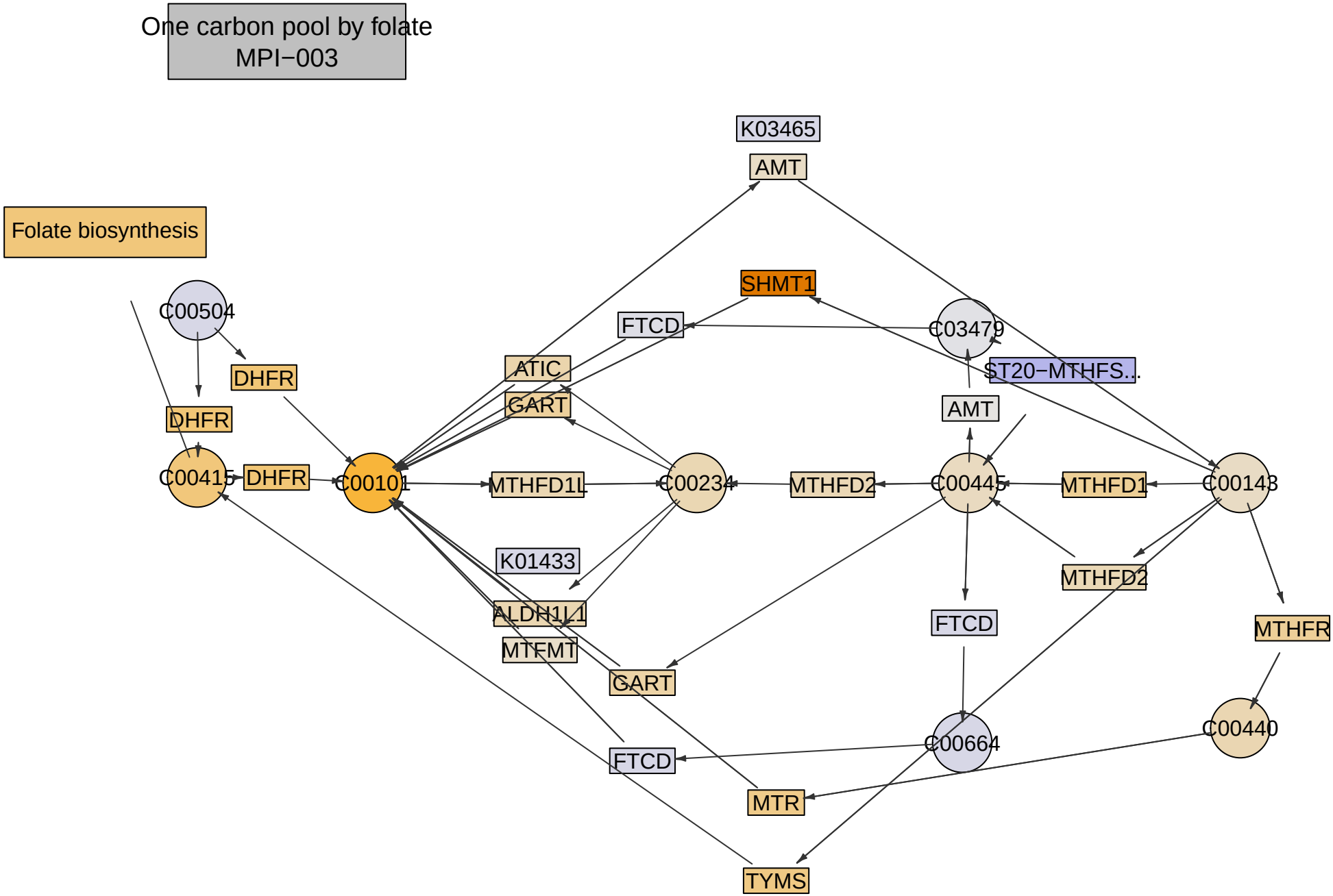

One carbon pool by folate
(genes with data)
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

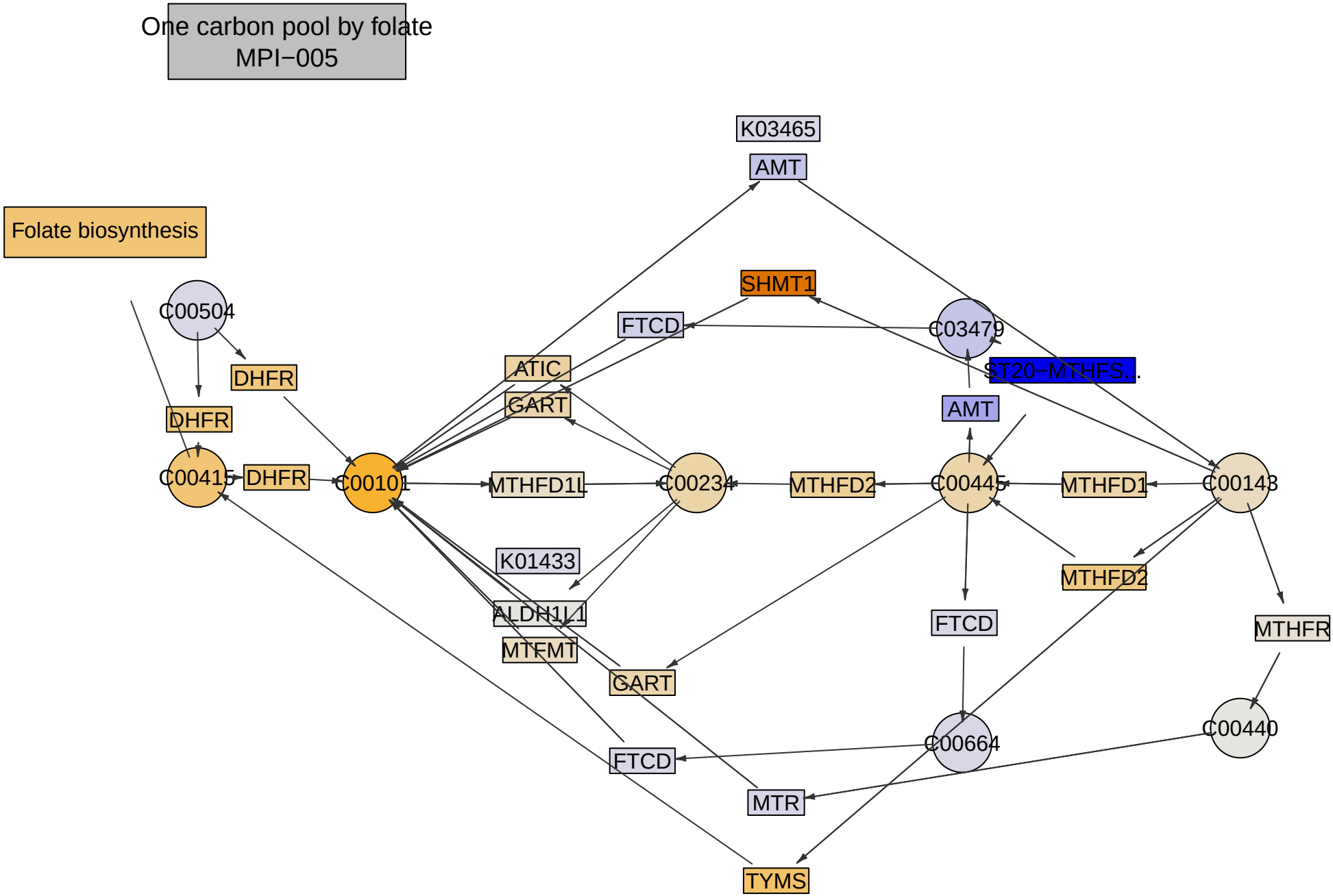
One carbon pool by folate
(sink nodes)

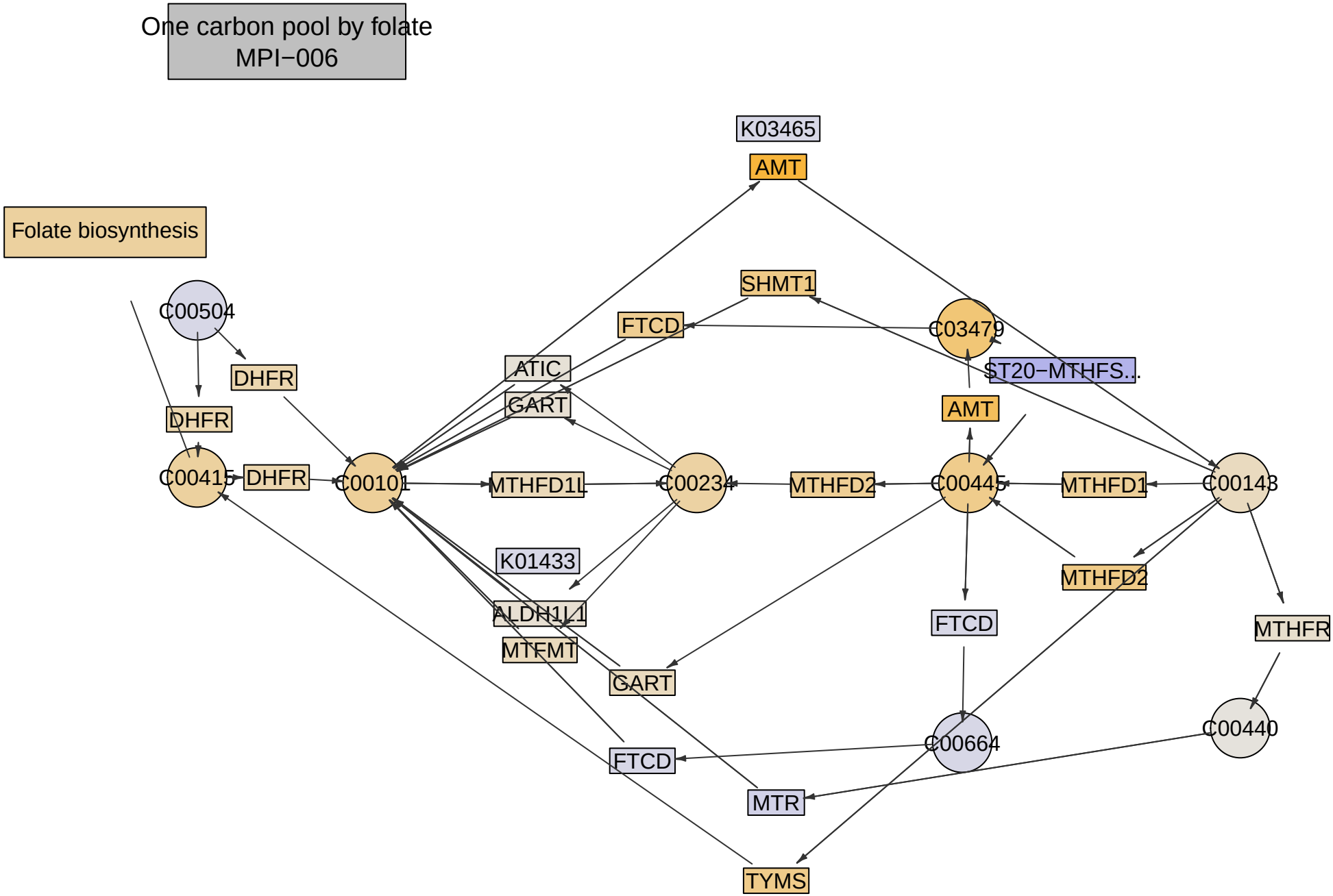


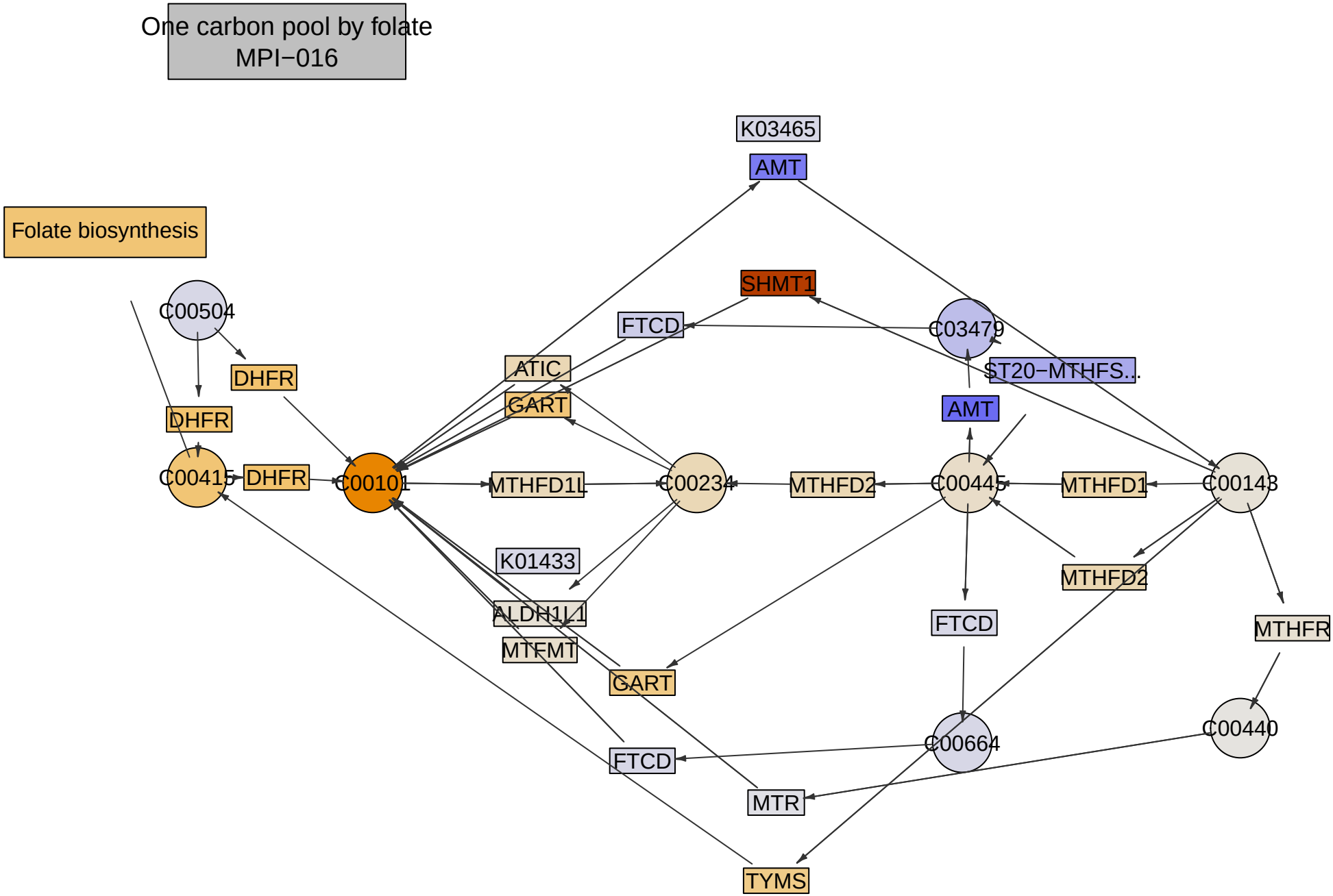

One carbon pool by folate
MPI−001
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

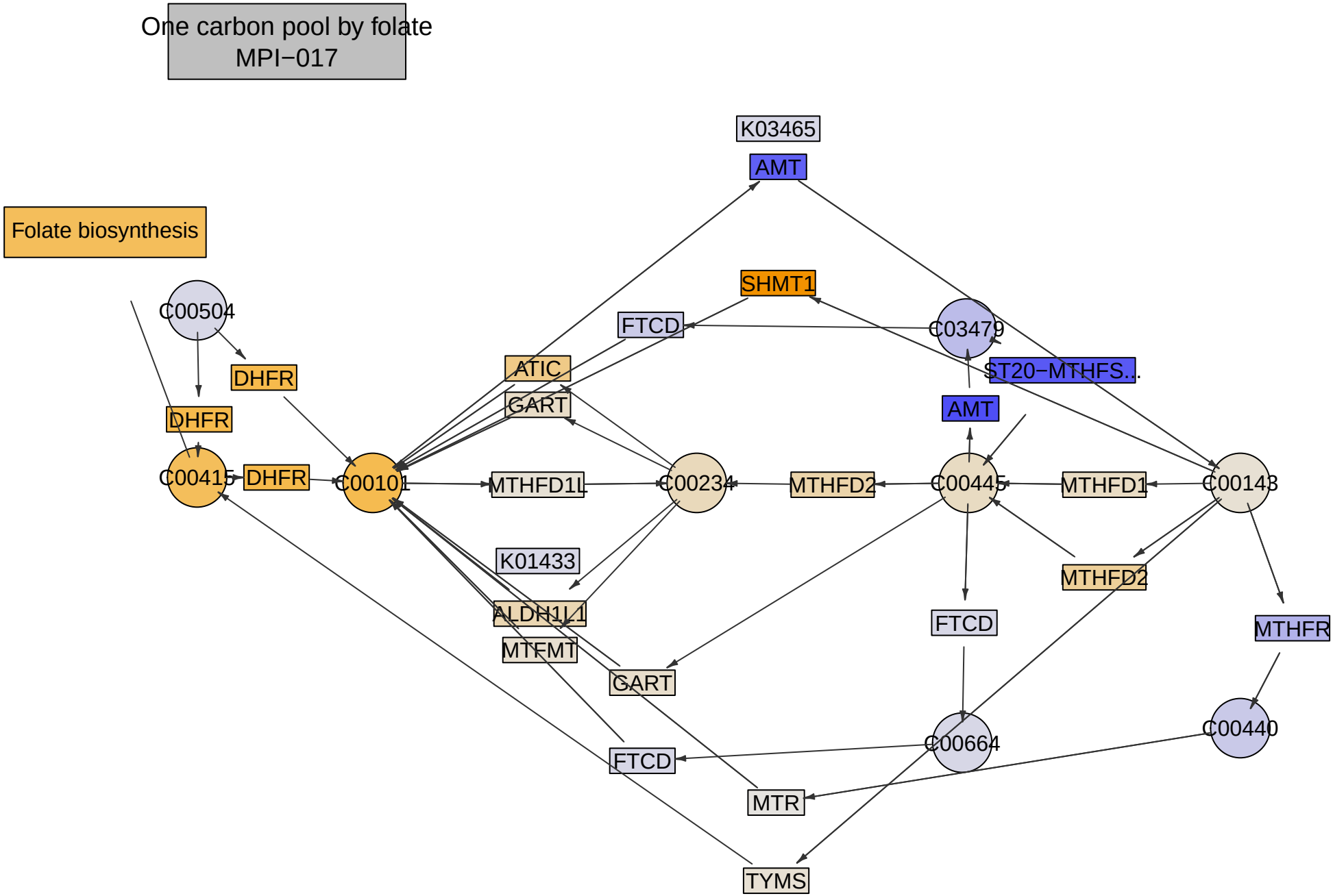

One carbon pool by folate
MPI−002
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

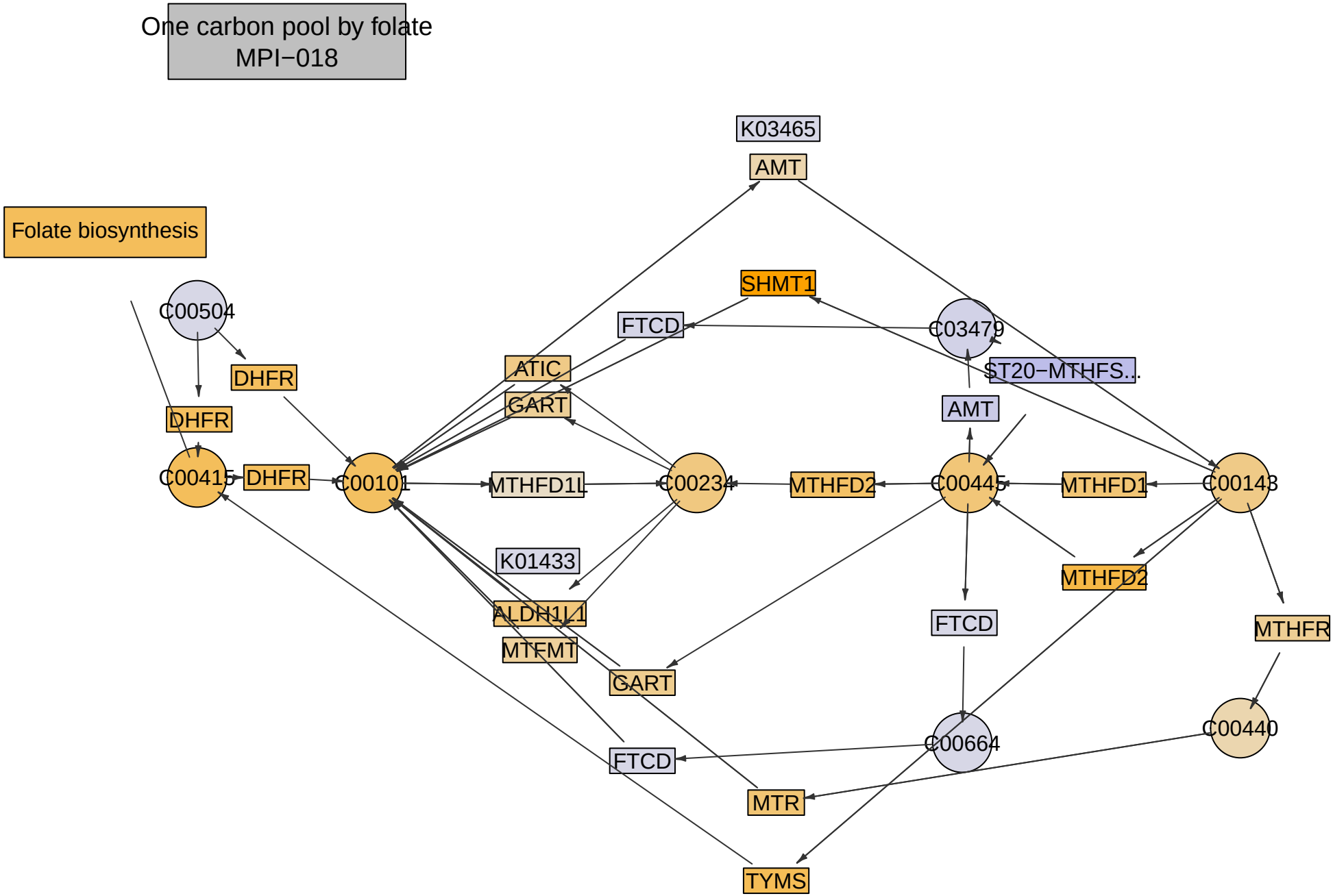

One carbon pool by folate
MPI−003
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
ATIC
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

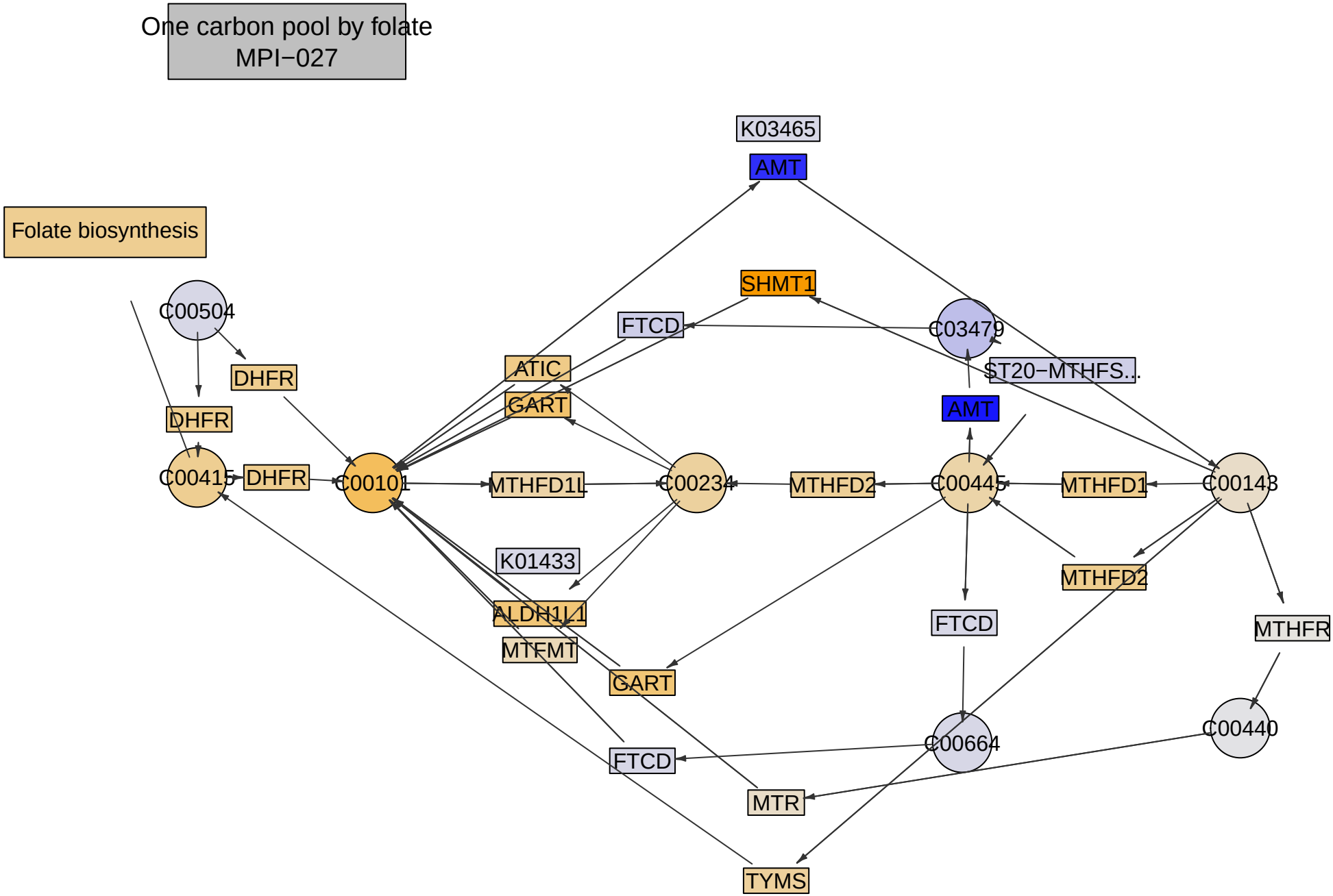

One carbon pool by folate
MPI−005
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

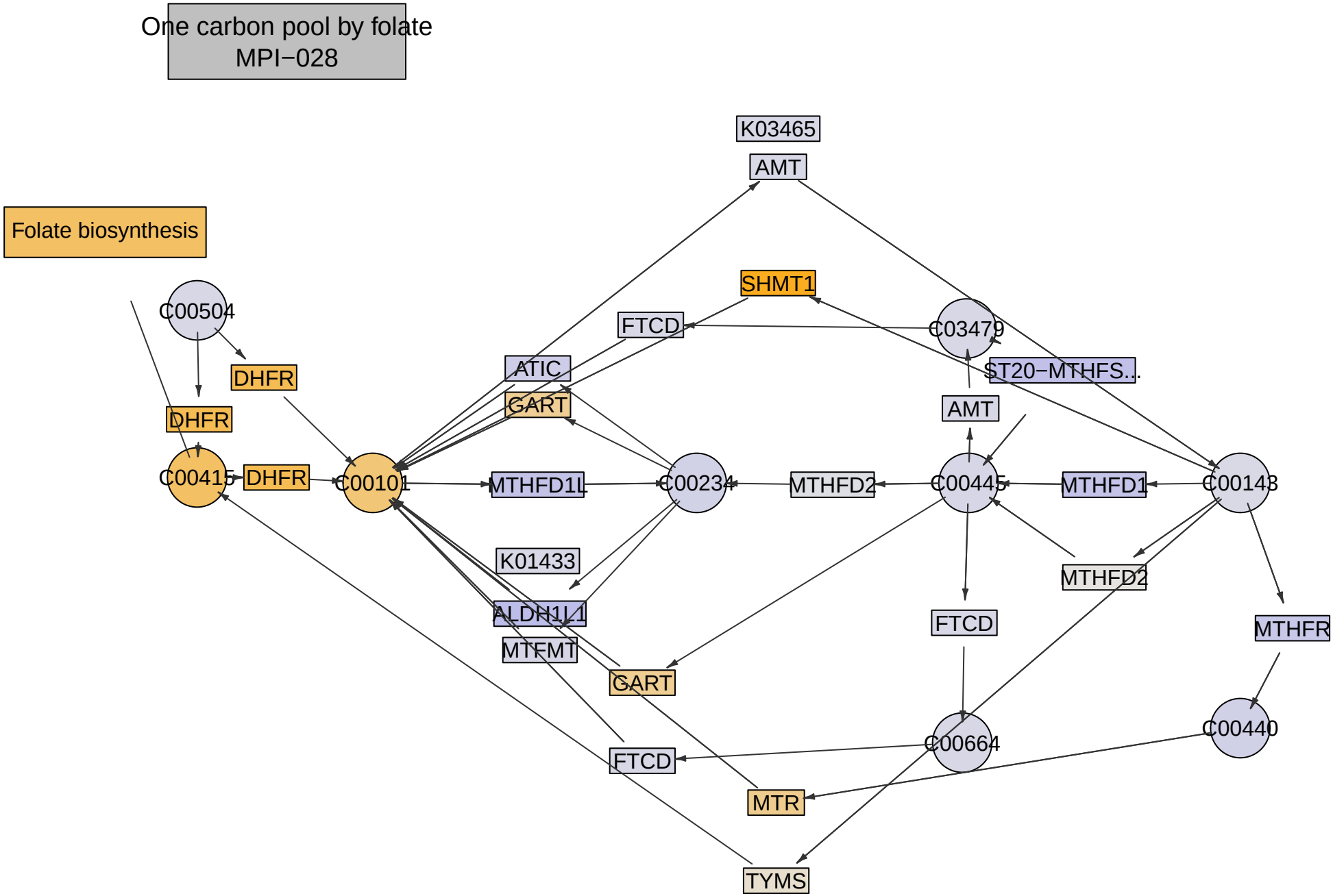

One carbon pool by folate
MPI−006
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

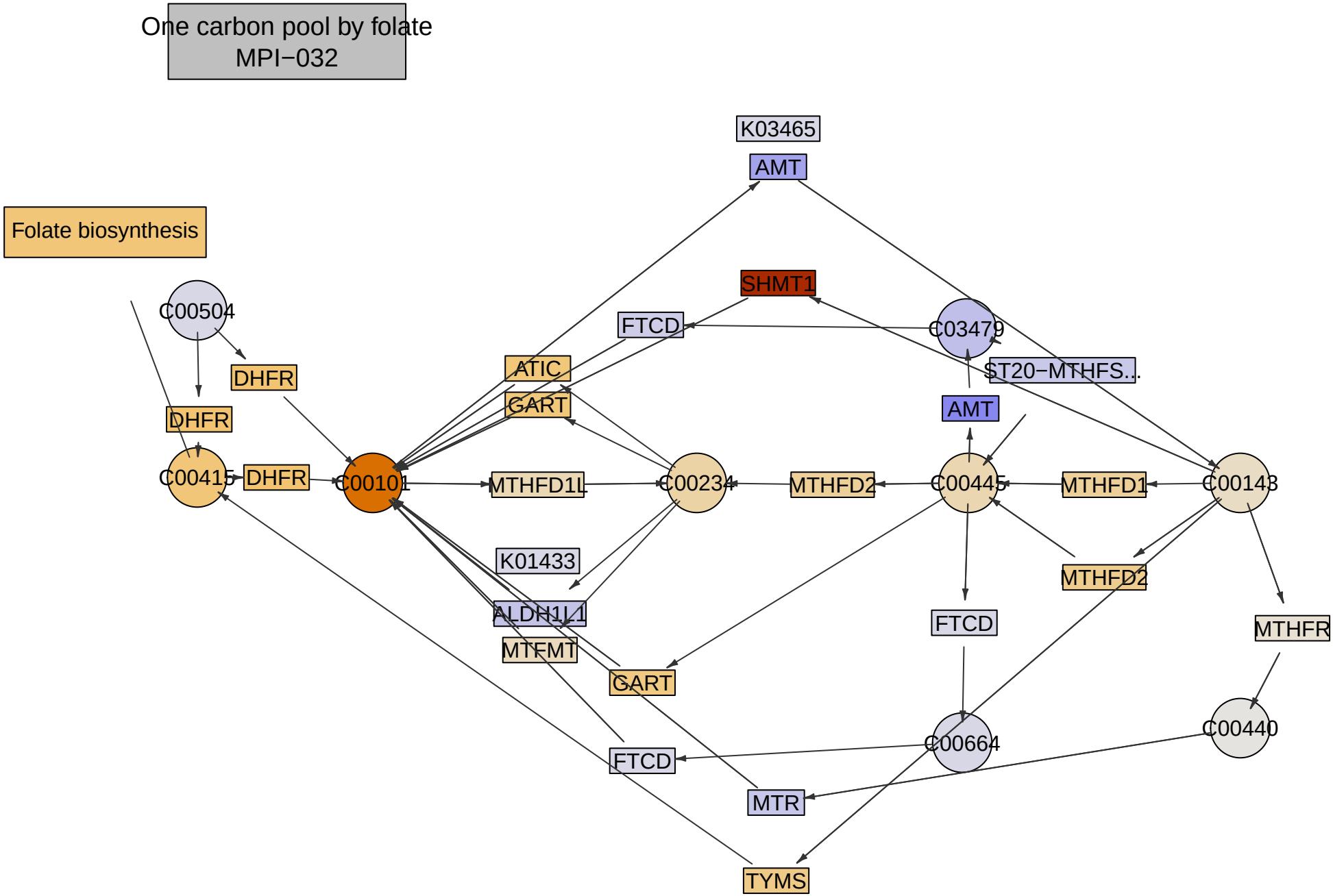

One carbon pool by folate
MPI−016
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

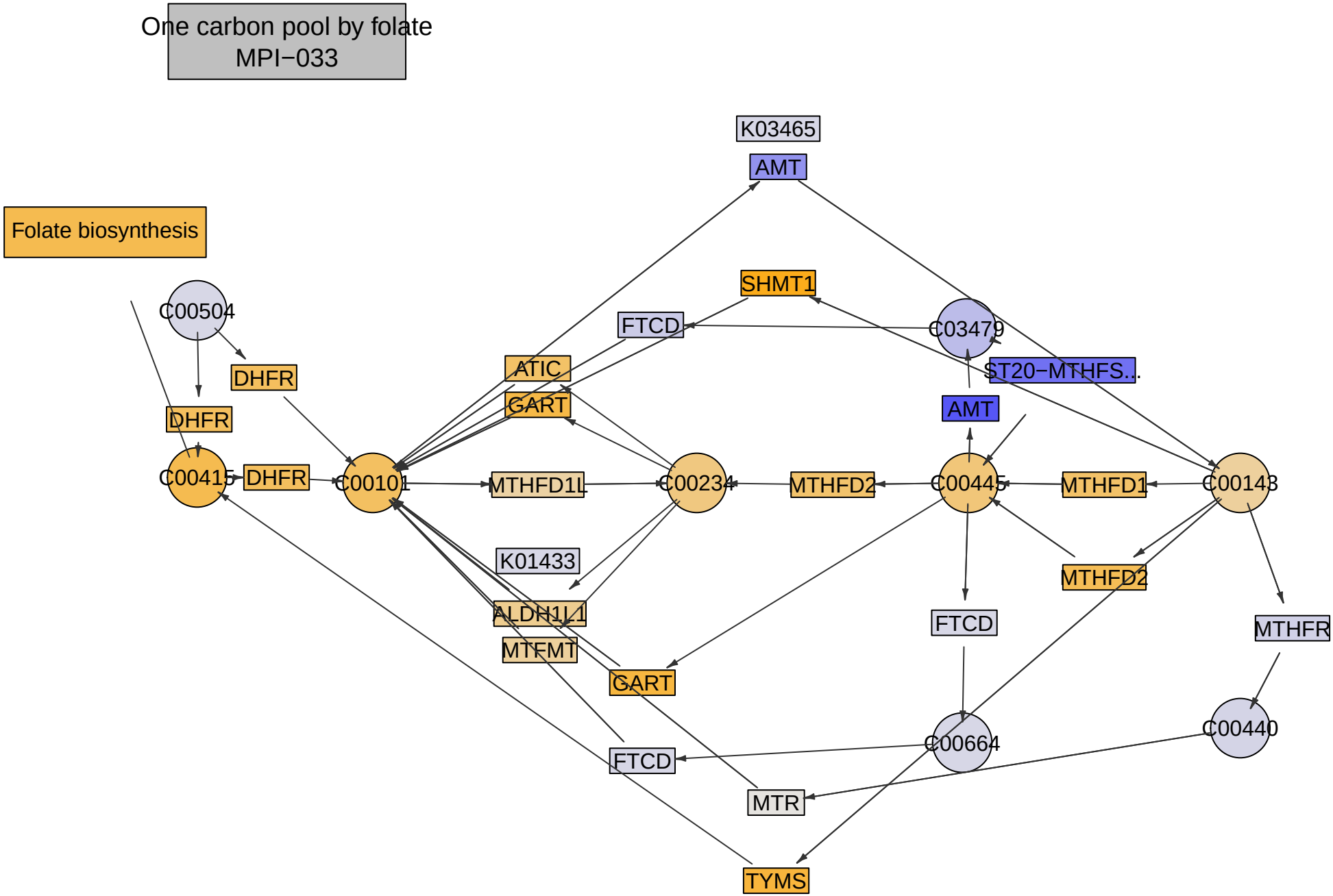

One carbon pool by folate
MPI−017
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
GART
ST20−MTHFS...
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

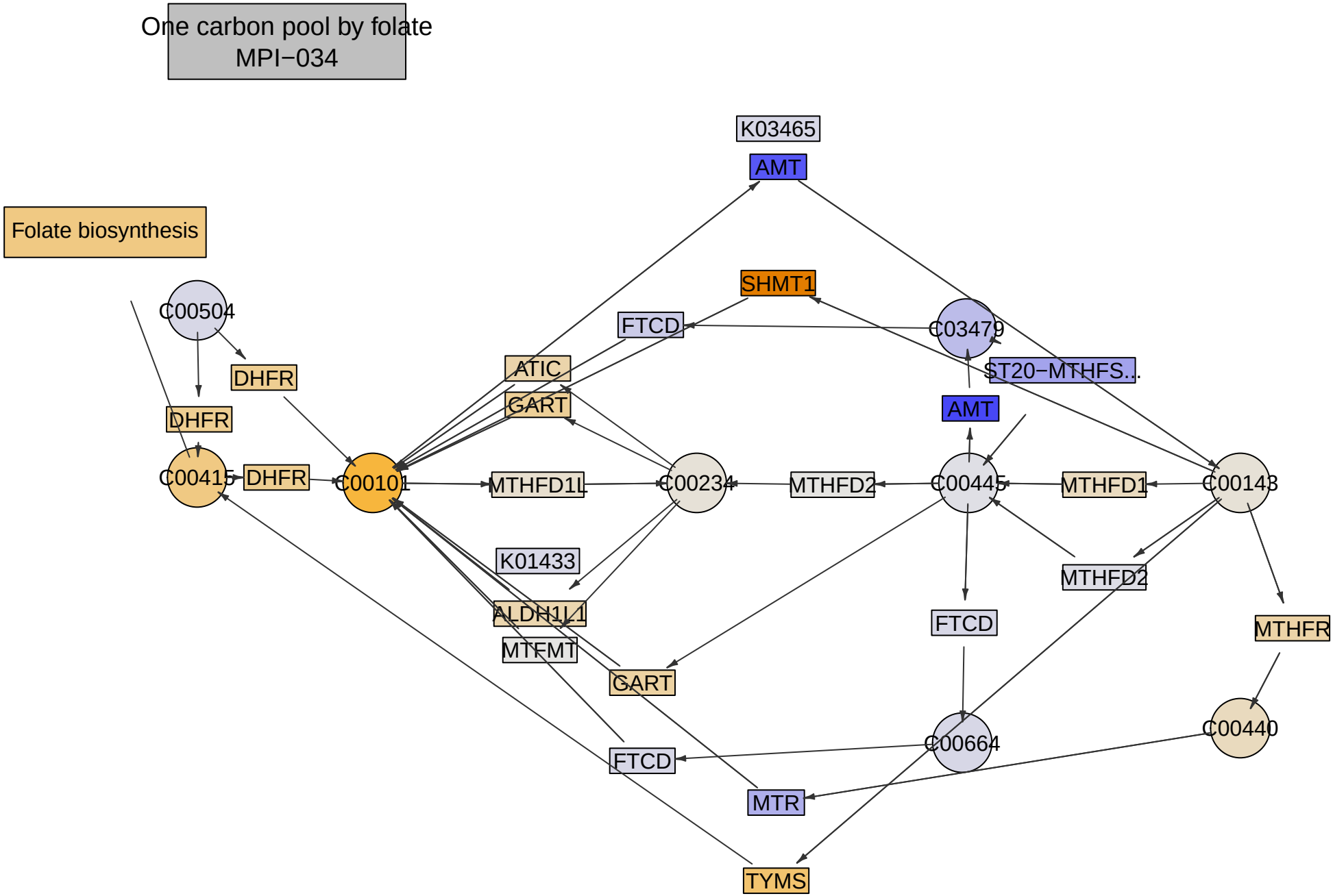

One carbon pool by folate
MPI−018
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
AMT
C00504
DHFR
DHFR
ATIC
GART
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
ALDH1L1
MTFMT
GART
MTHFD2
FTCD
MTHFR
C00440
C00664
FTCD
MTR
TYMS

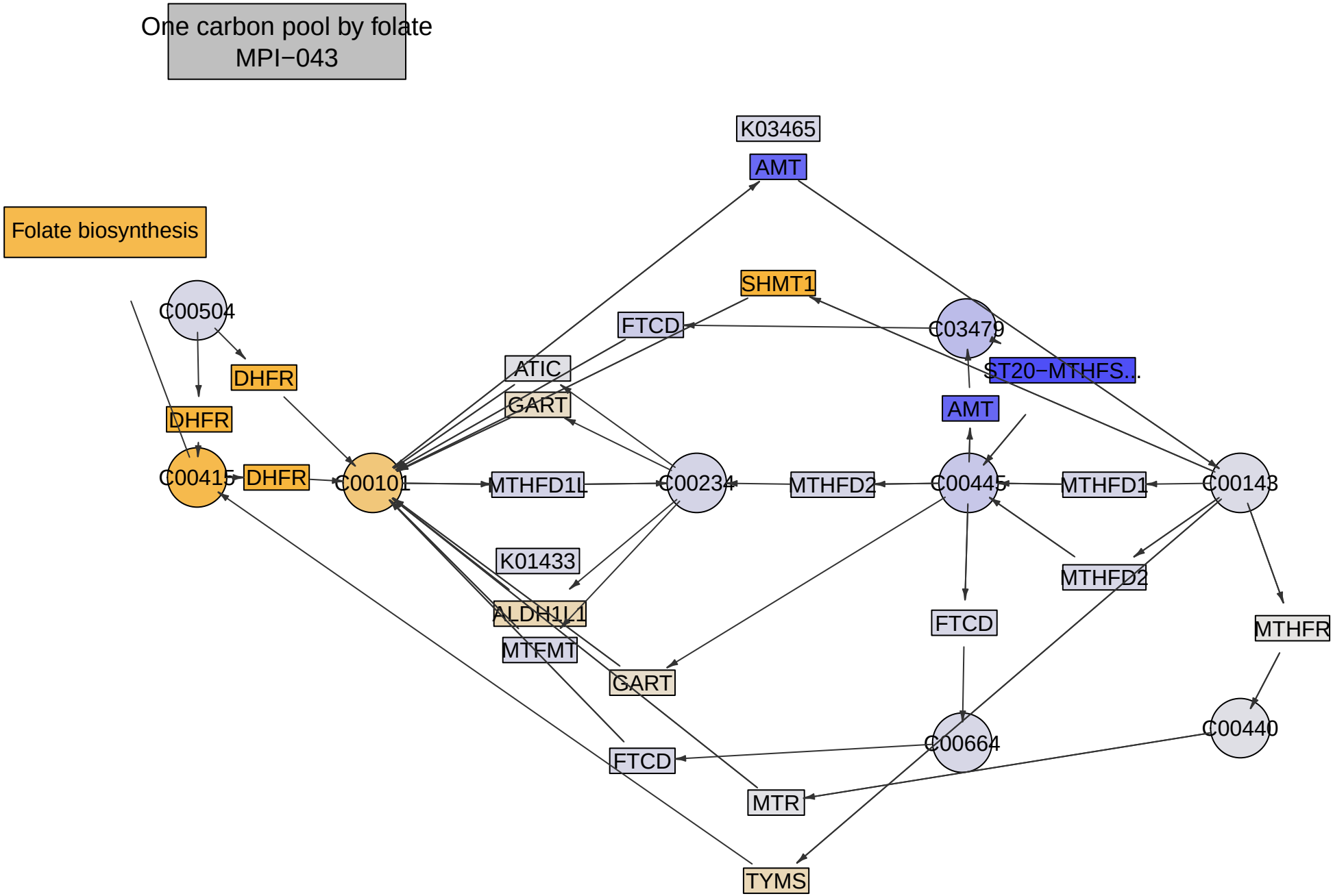

One carbon pool by folate
MPI−027
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

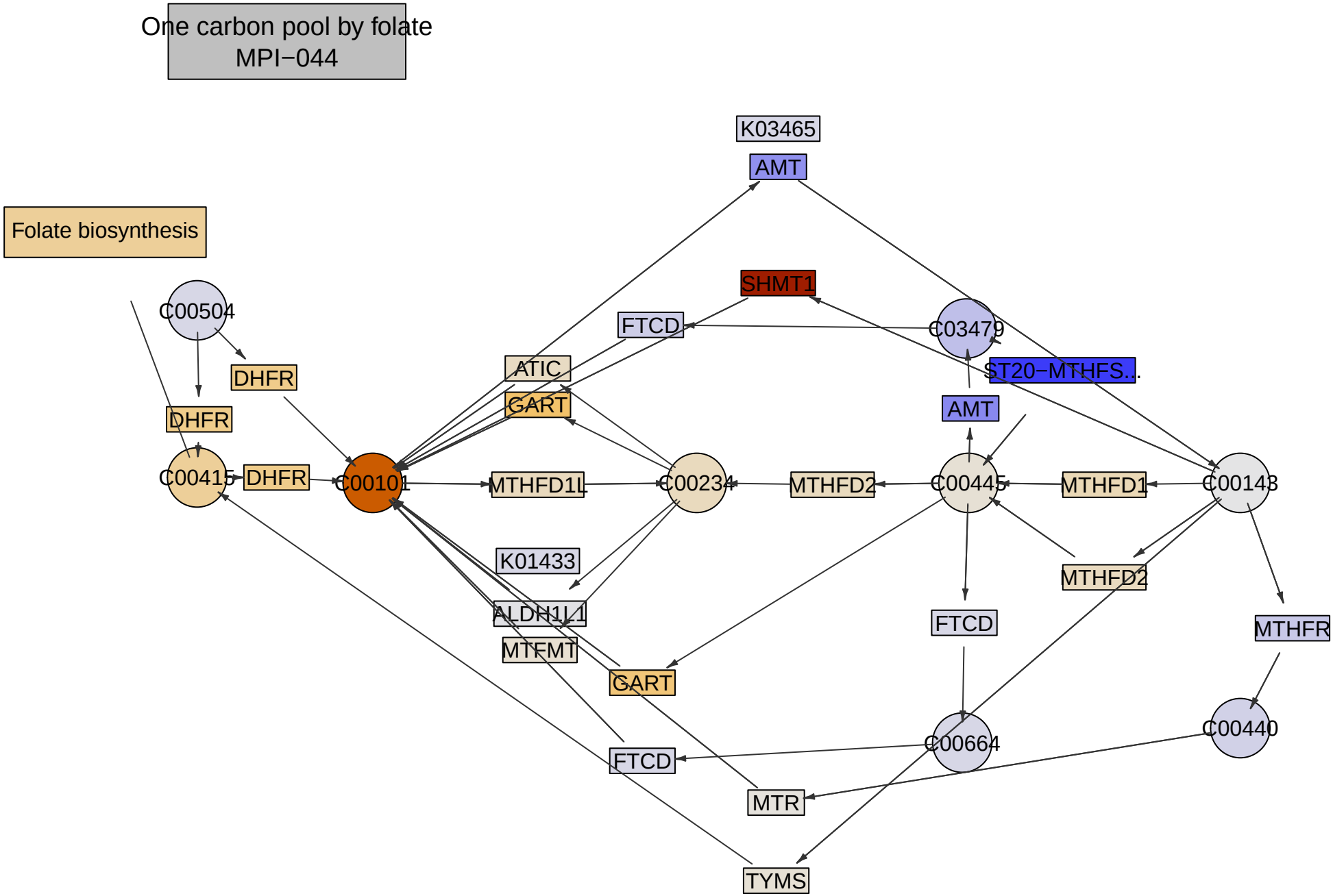

One carbon pool by folate
MPI−028
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
ATIC
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

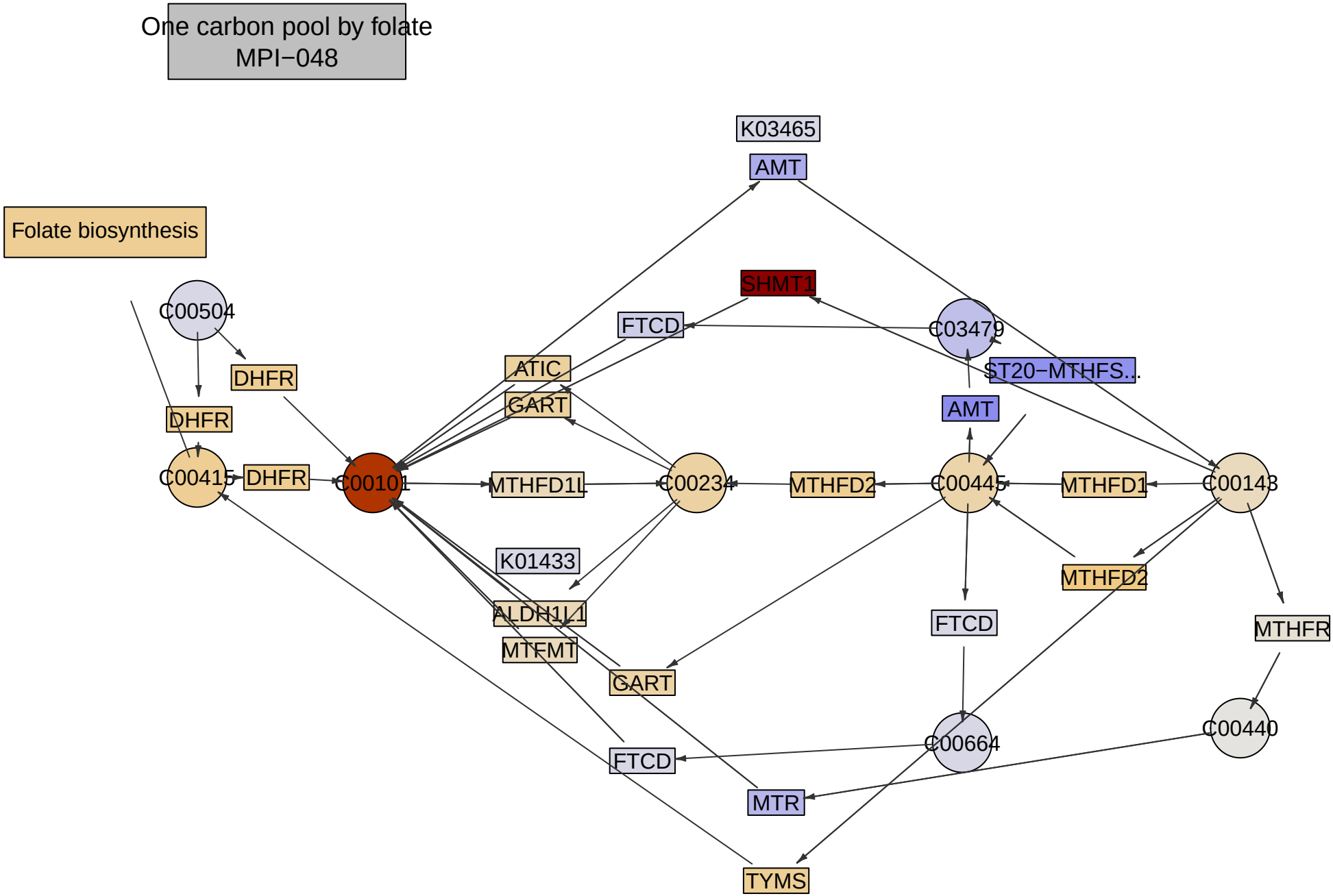

One carbon pool by folate
MPI−032
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

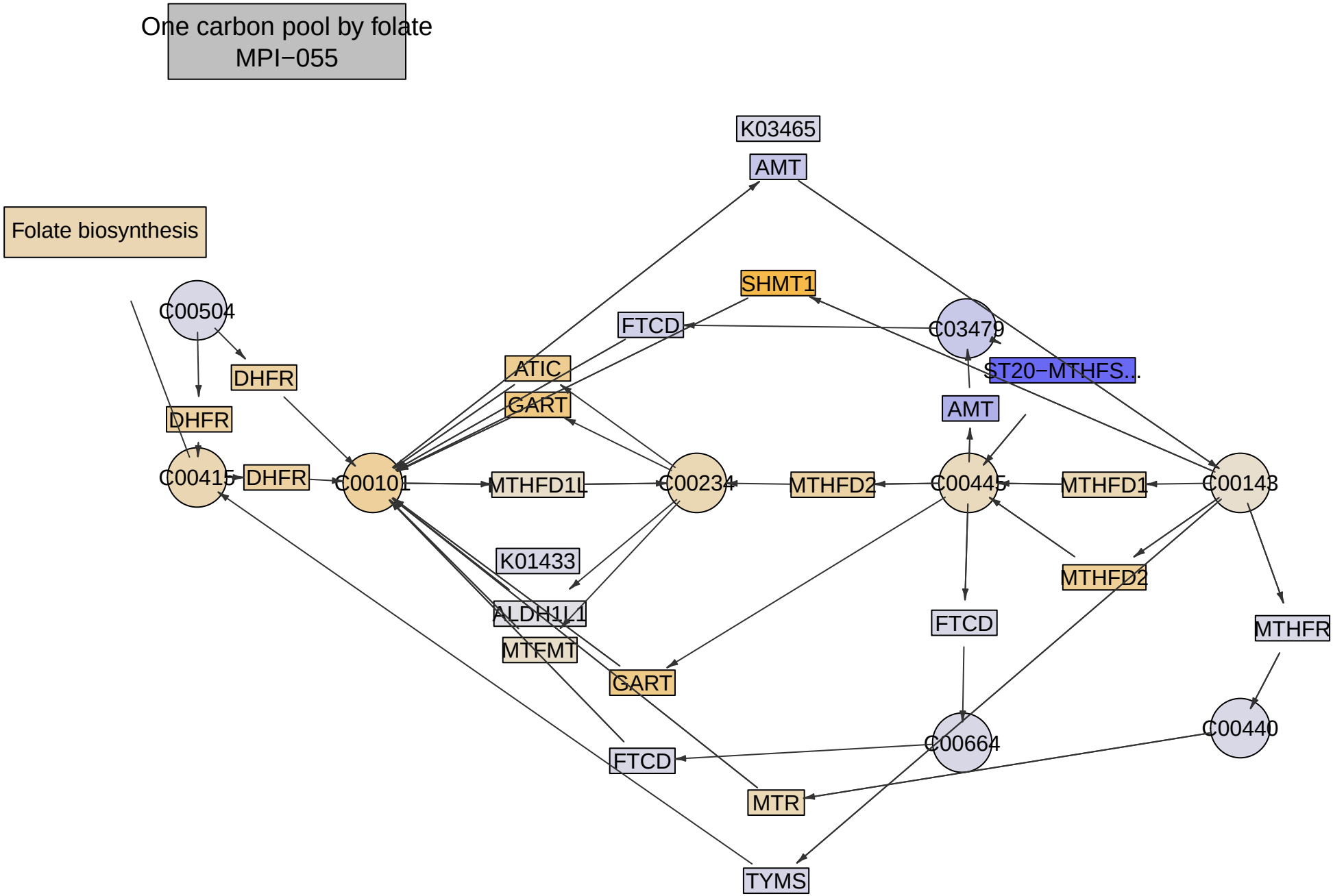

One carbon pool by folate
MPI−033
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
C00440
FTCD
MTR
TYMS

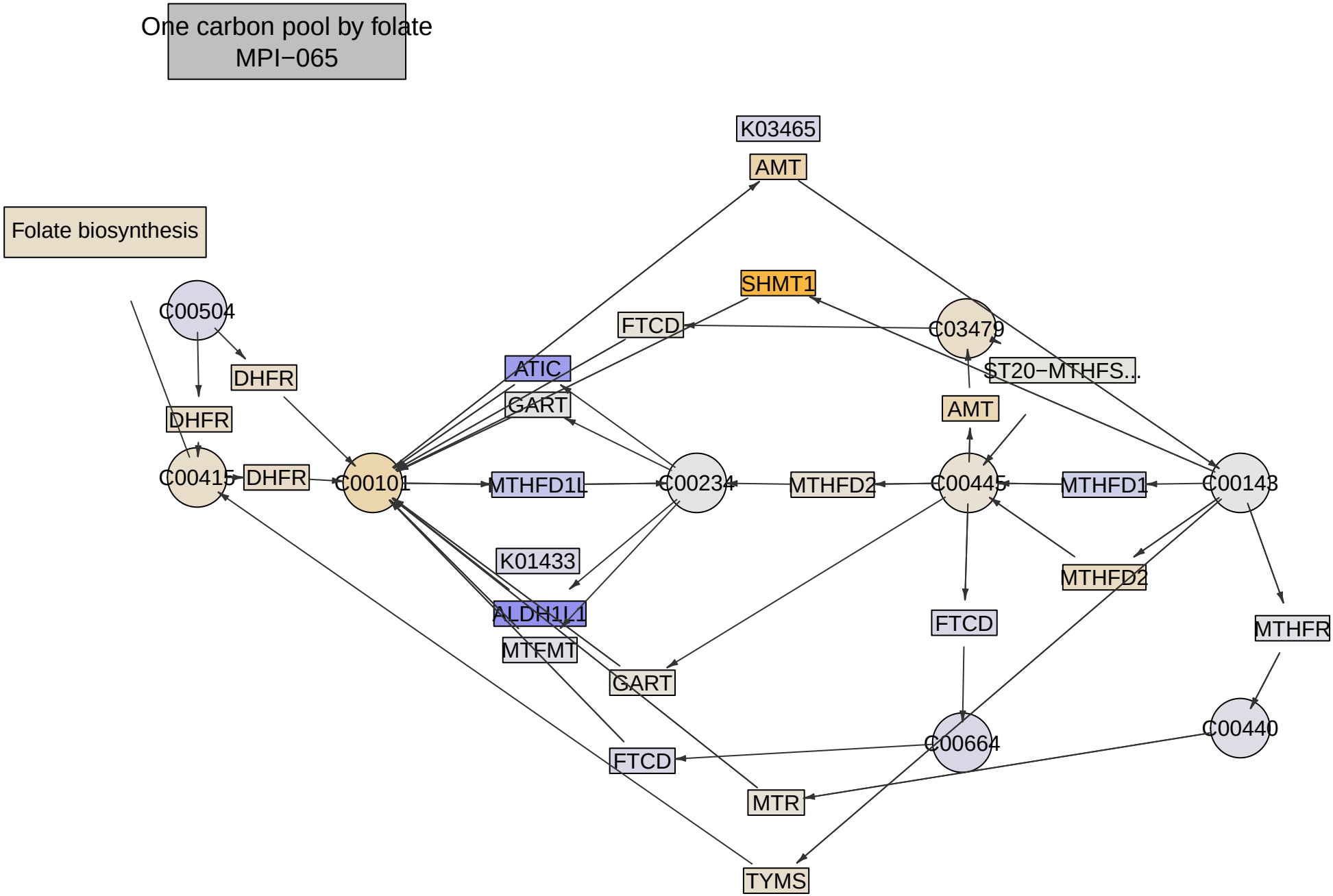

One carbon pool by folate
MPI−034
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

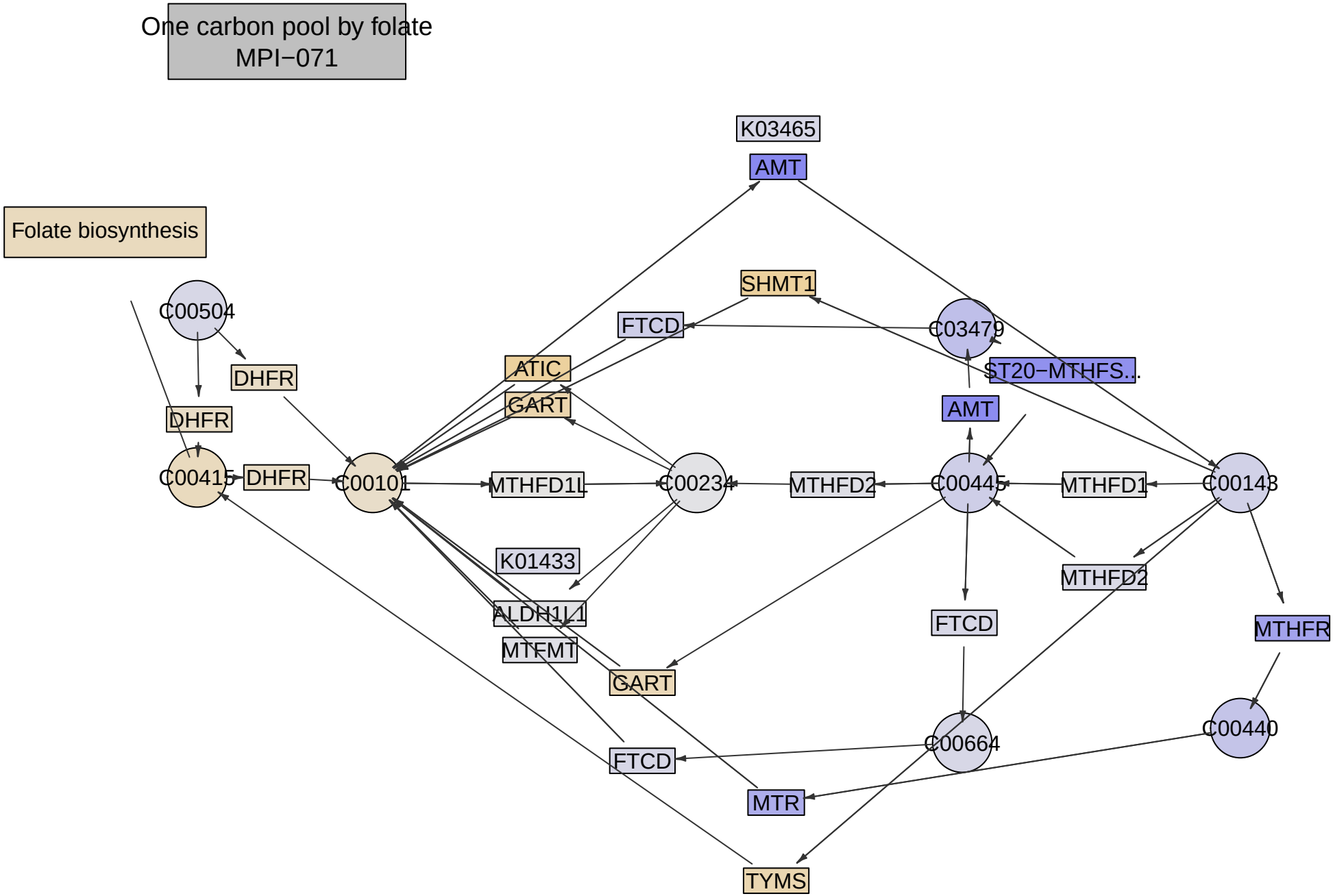

One carbon pool by folate
MPI−043
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

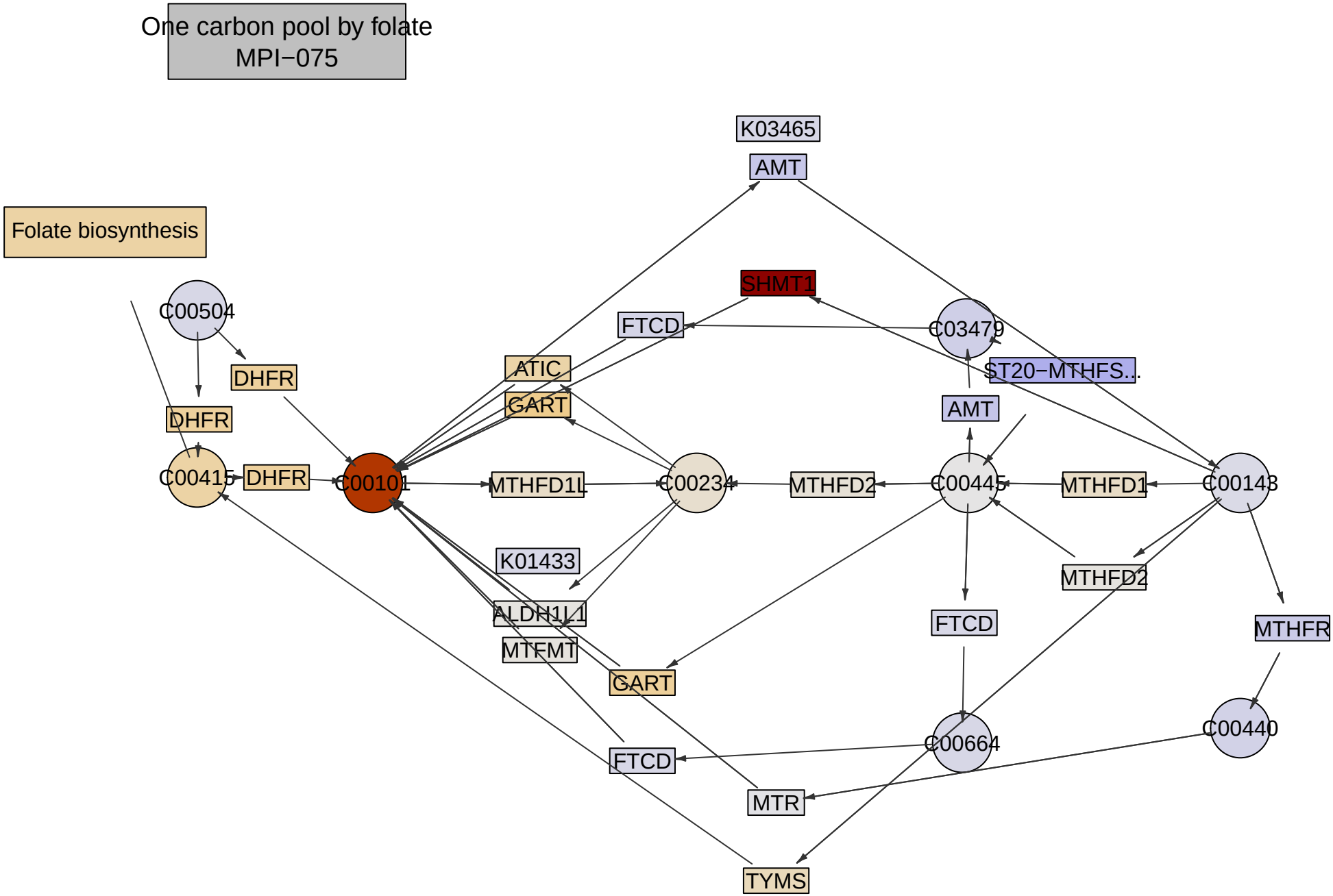

One carbon pool by folate
MPI−044
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

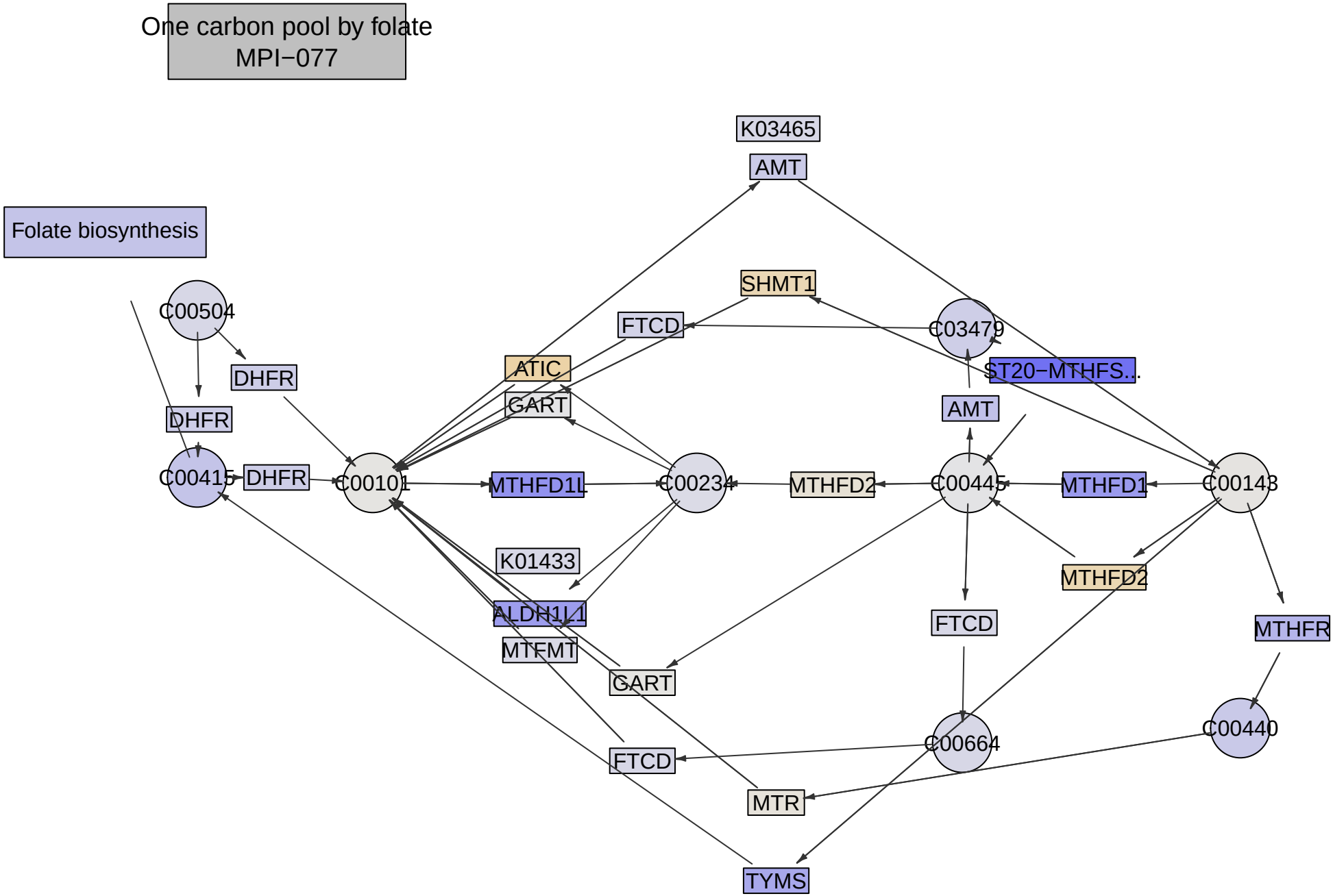

One carbon pool by folate
MPI−048
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

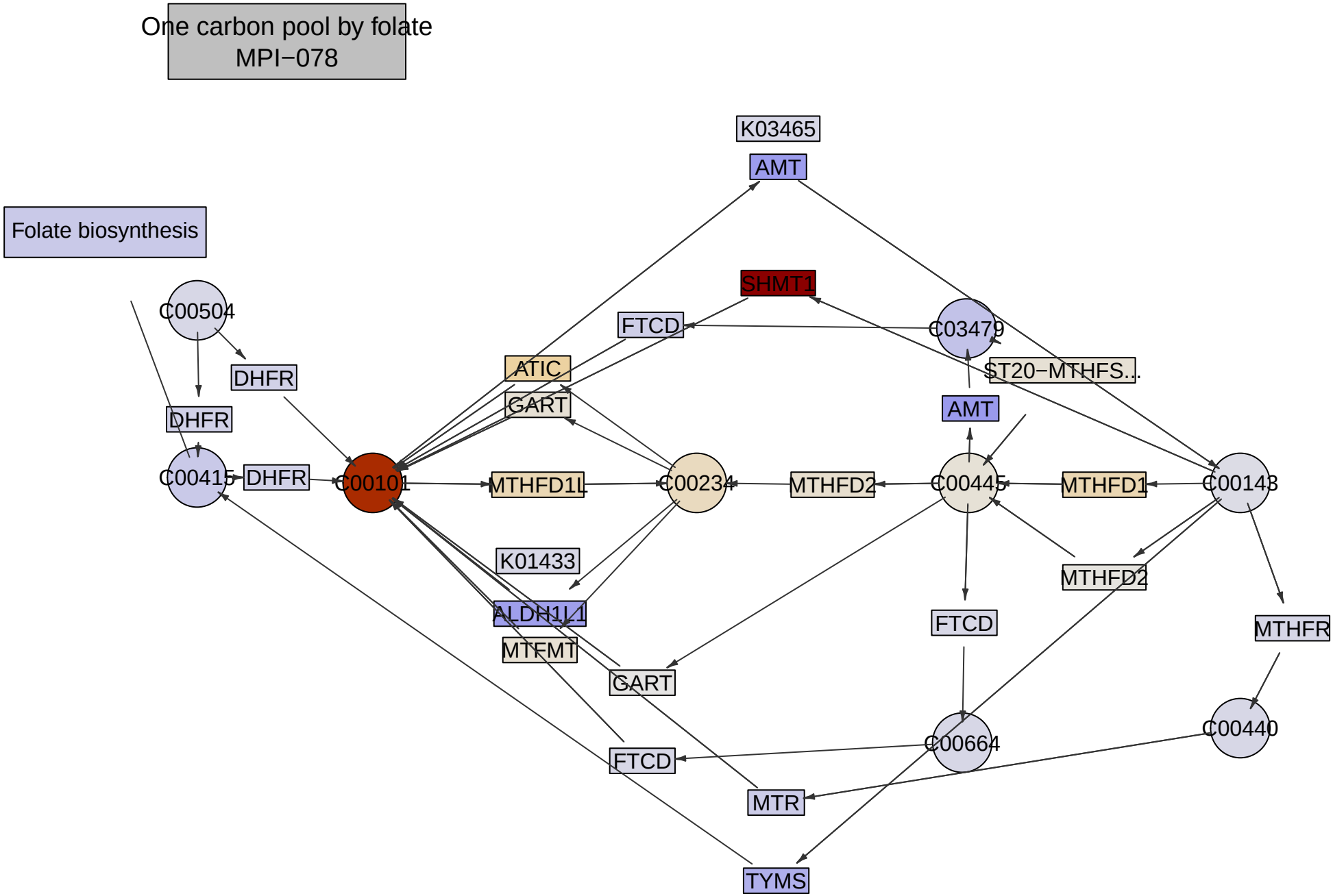

One carbon pool by folate
MPI−055
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−065
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
ATIC
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−071
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
C00440
FTCD
MTR
TYMS


One carbon pool by folate
MPI−075
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−077
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−078
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
ATIC
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
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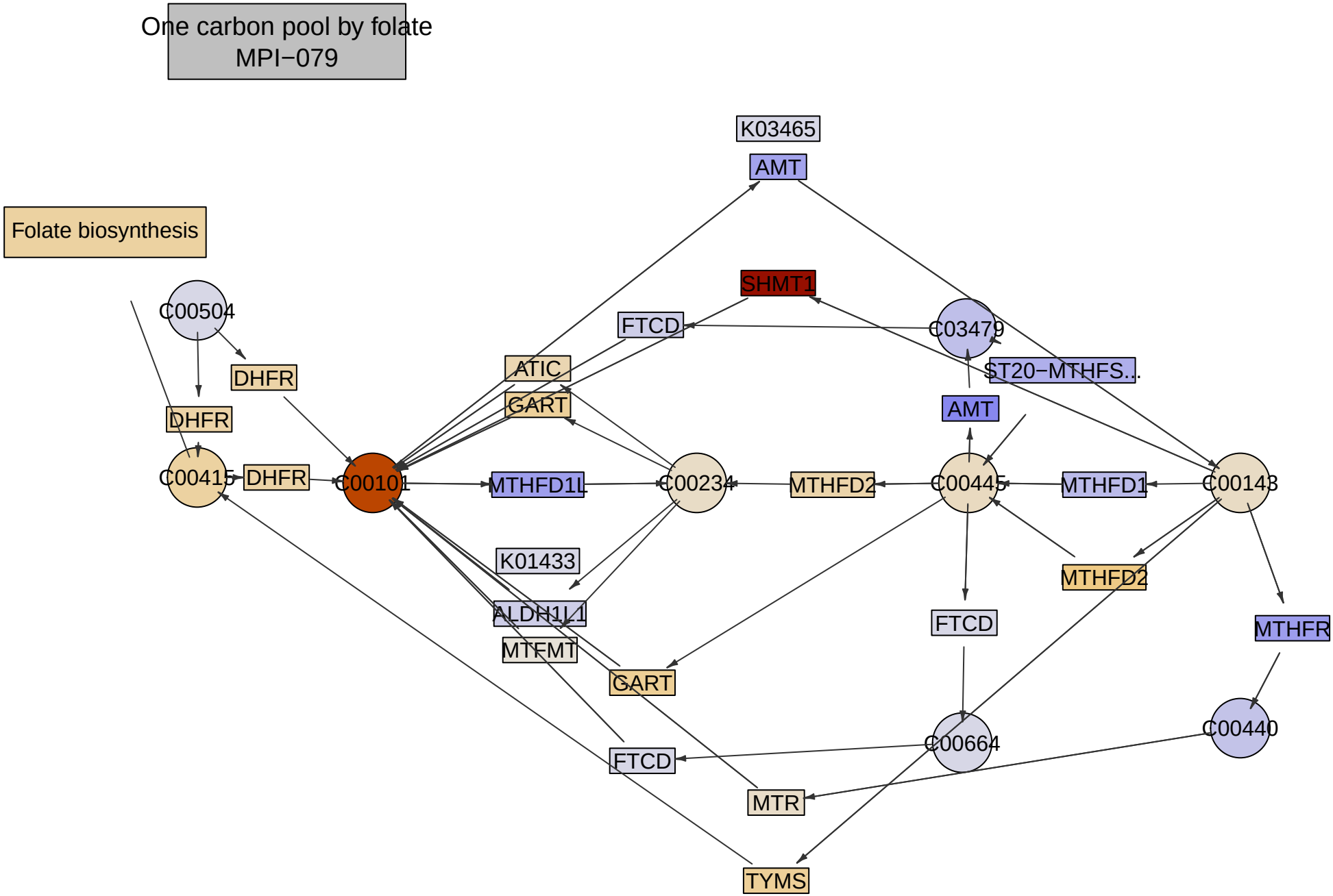
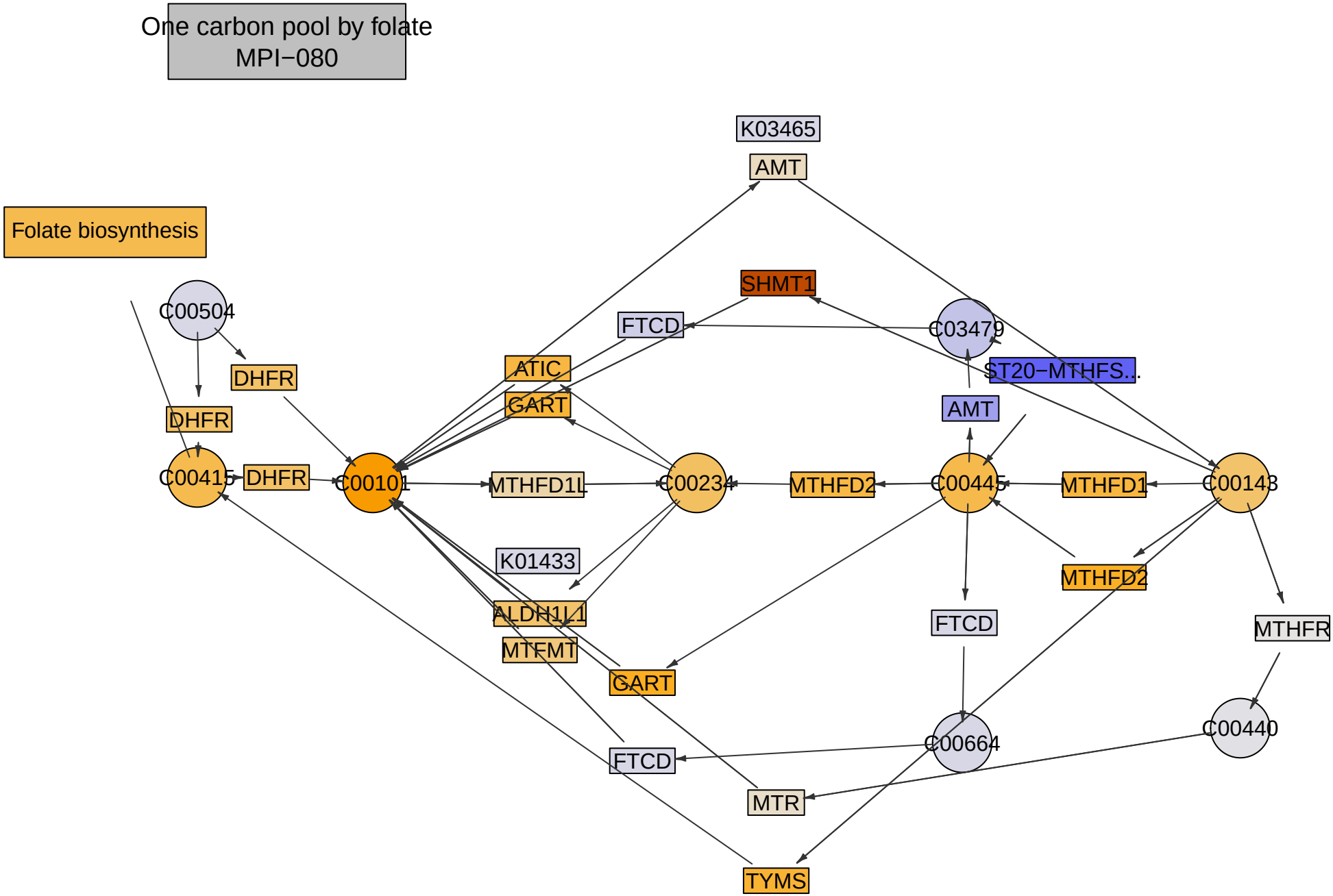
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−079
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−080
Folate biosynthesis
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FTCD
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ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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GART
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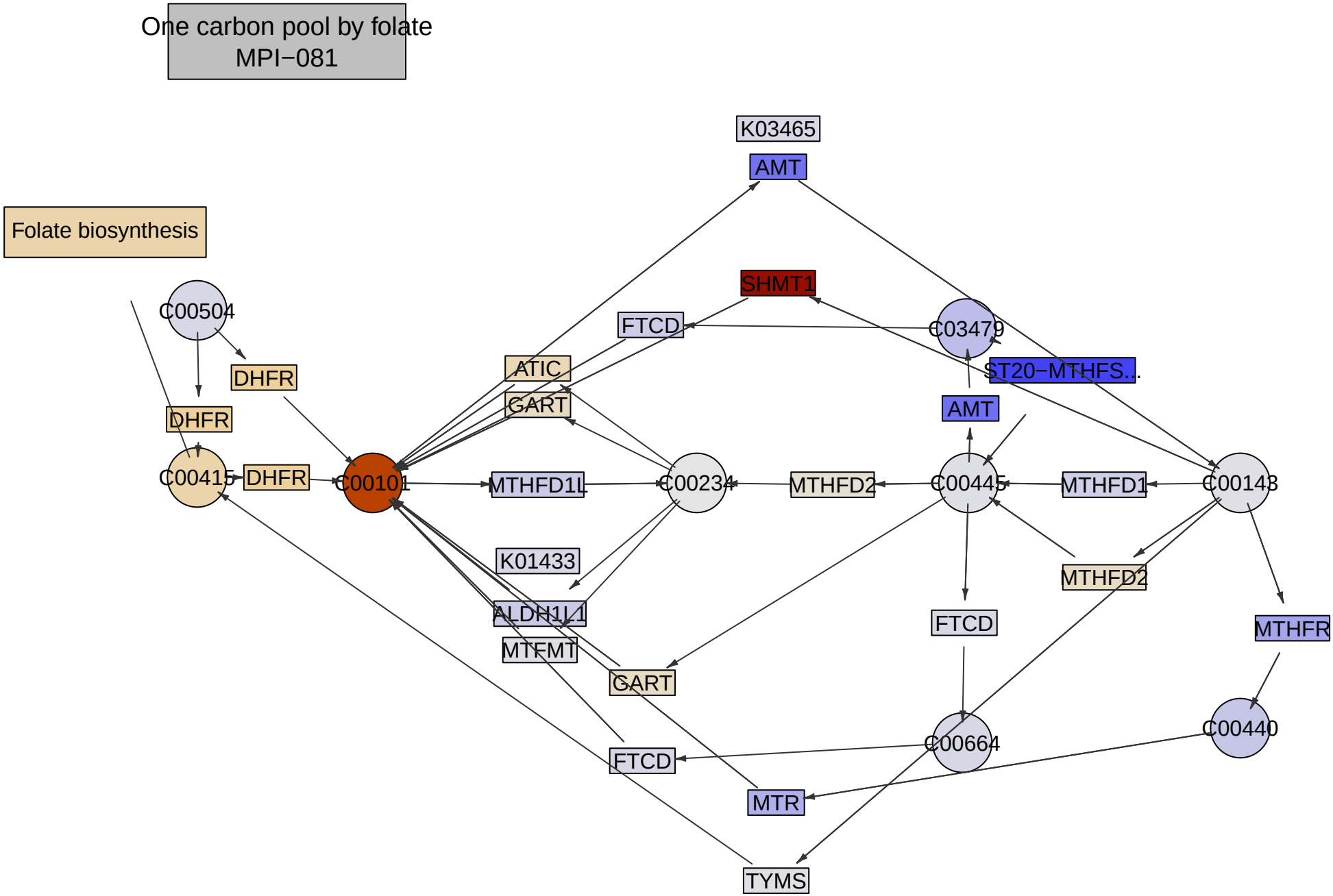
One carbon pool by folate
MPI−081
Folate biosynthesis
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C03479
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GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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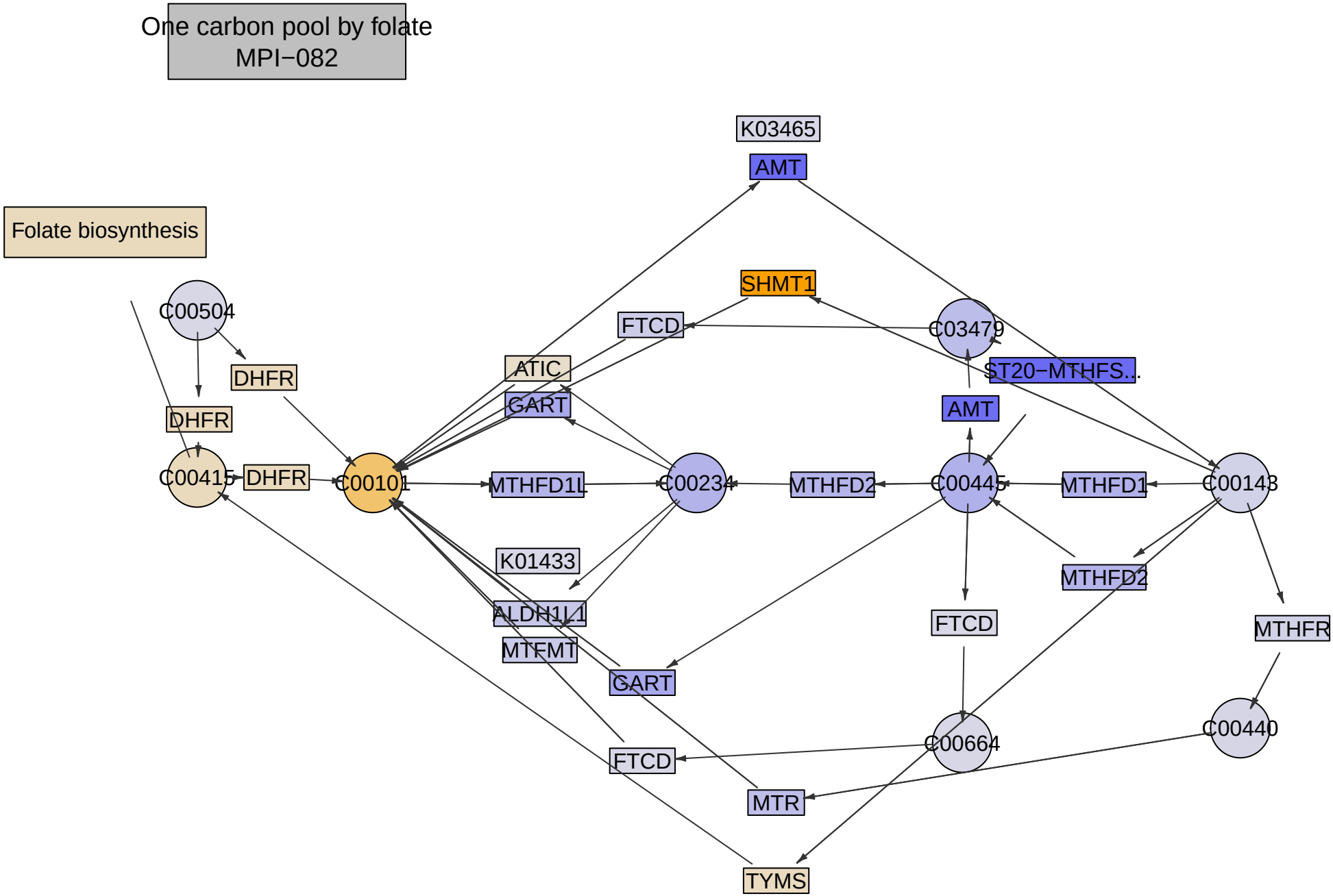
One carbon pool by folate
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Folate biosynthesis
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GART
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C00504
DHFR
DHFR
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DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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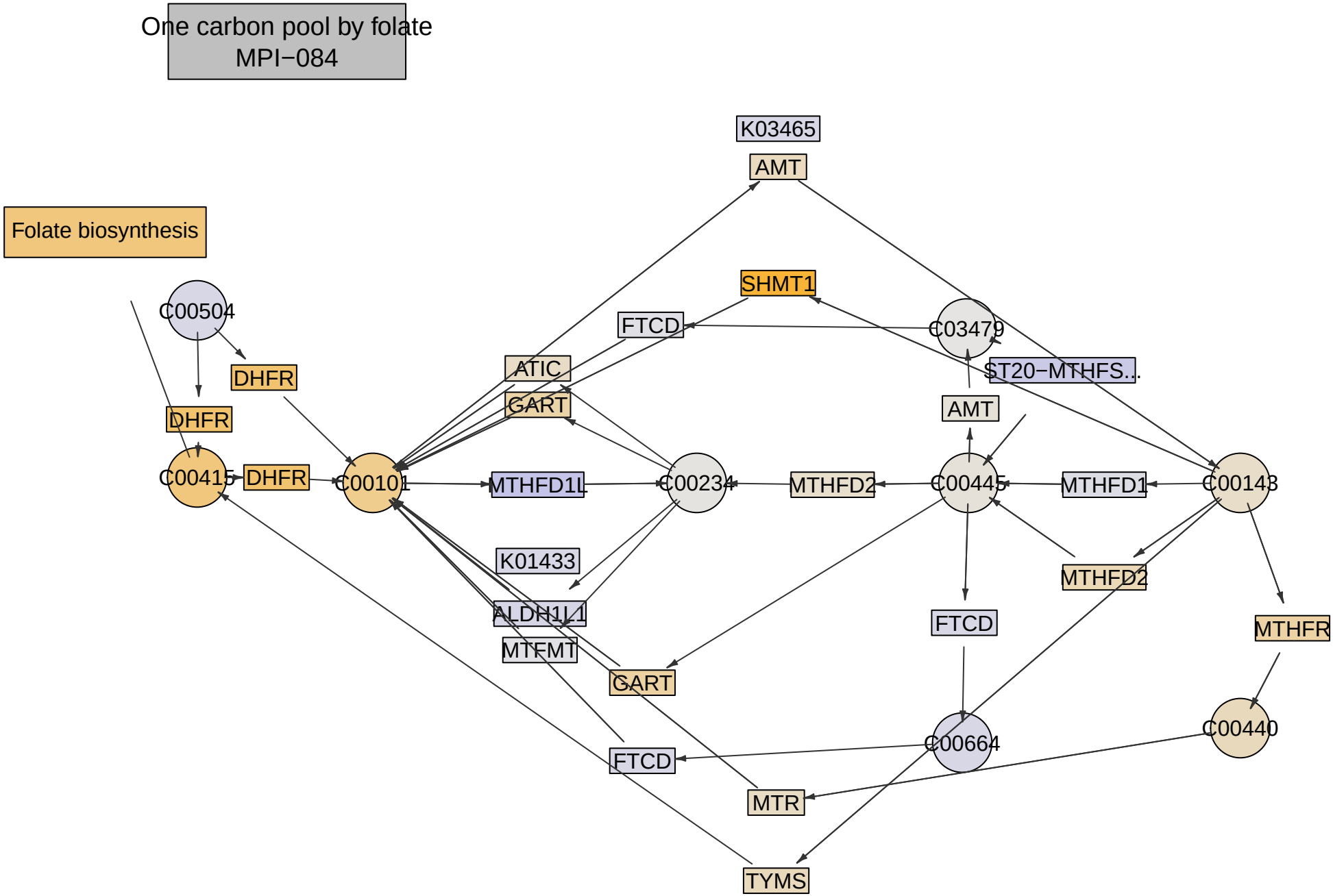
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DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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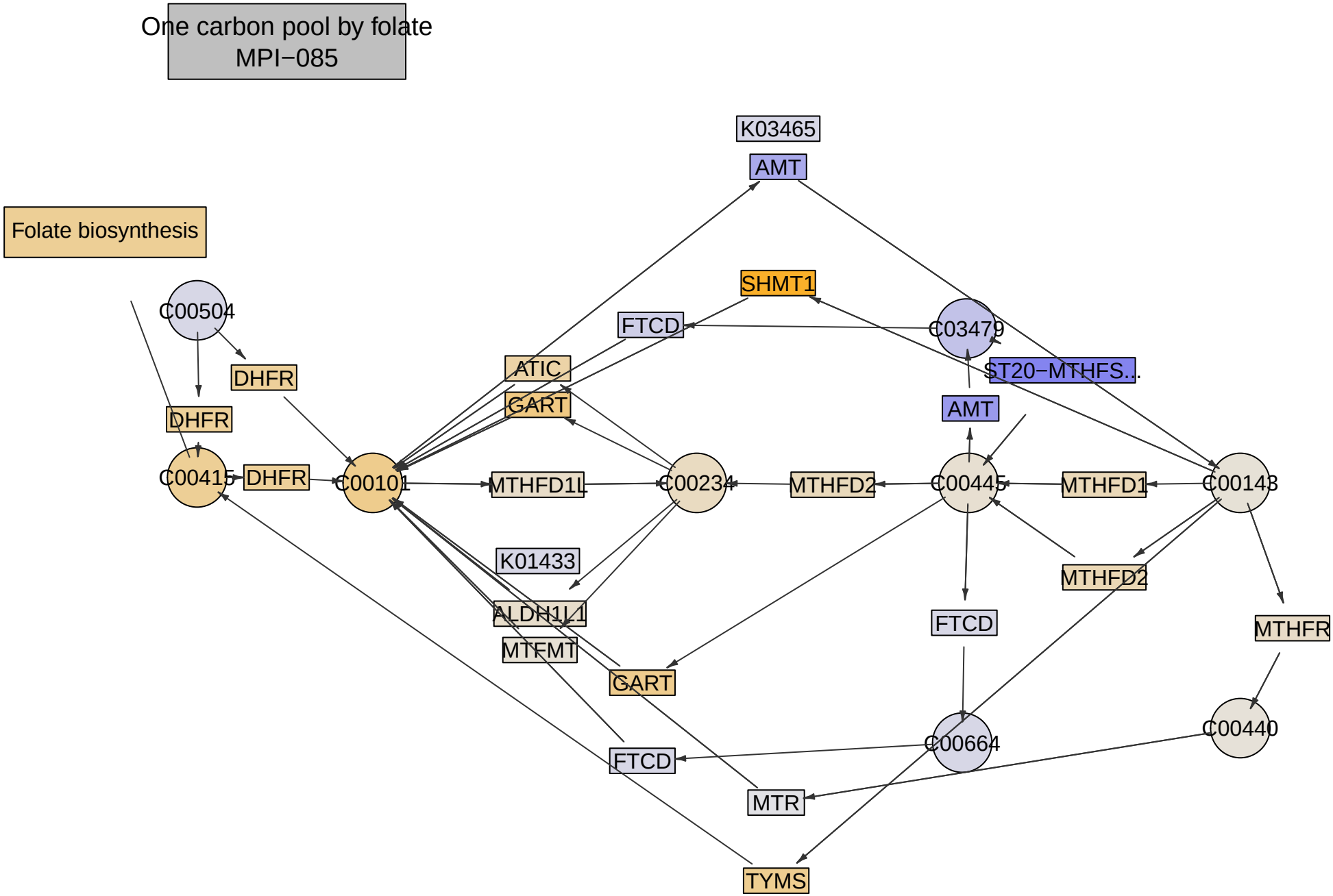
One carbon pool by folate
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Folate biosynthesis
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GART
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DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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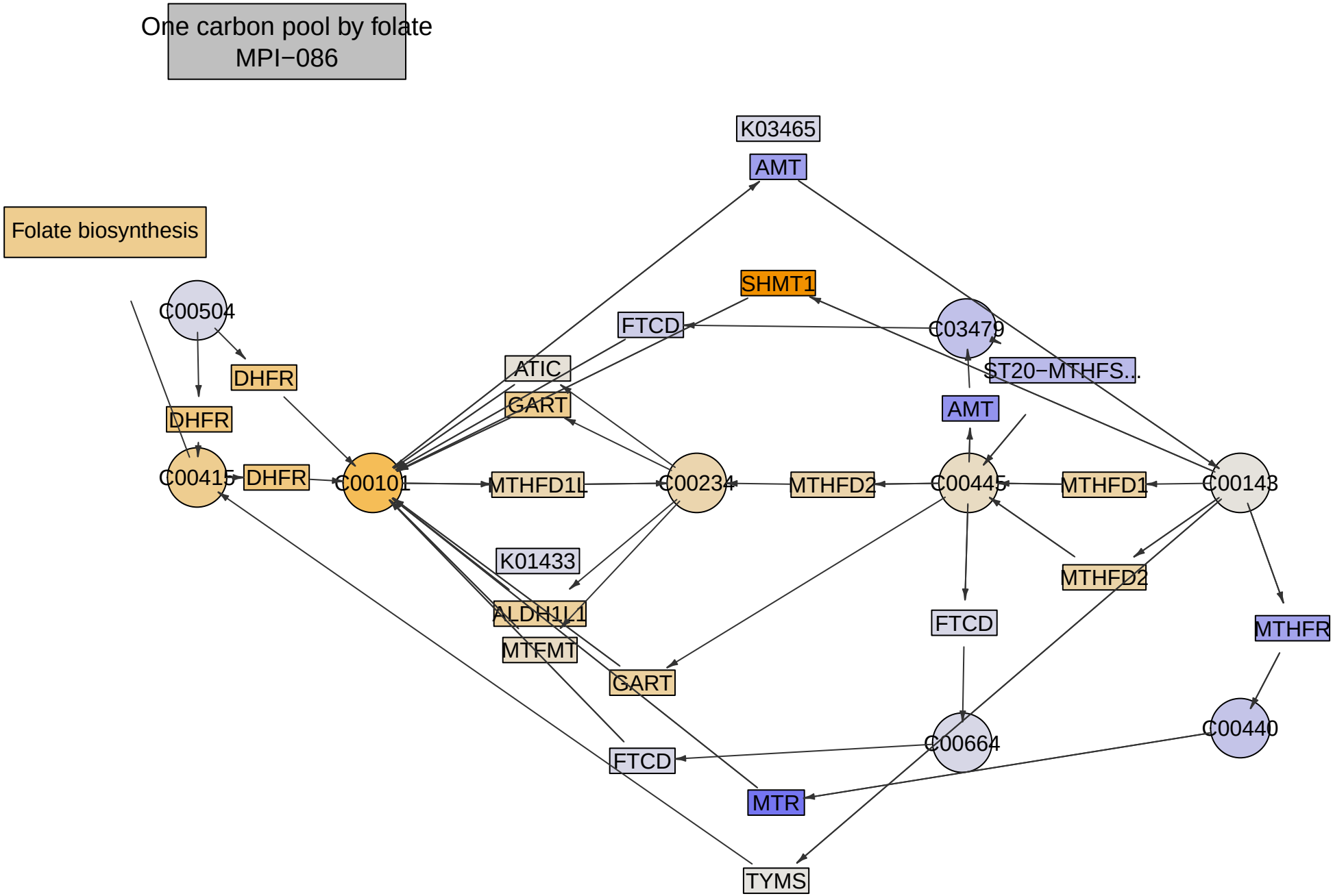
One carbon pool by folate
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Folate biosynthesis
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SHMT1
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C03479
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GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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MTHFR
MTFMT
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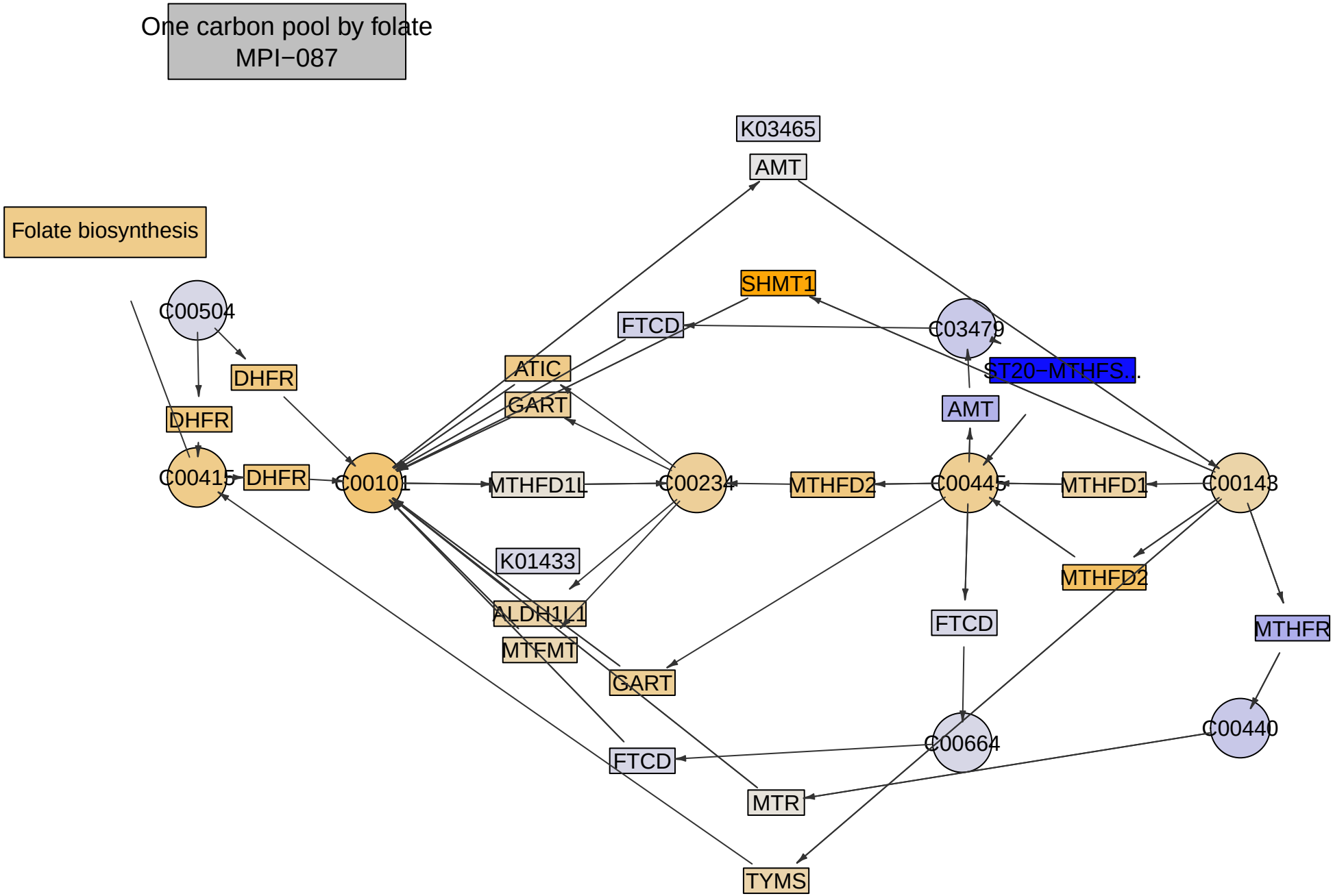
One carbon pool by folate
MPI−087
Folate biosynthesis
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GART
AMT
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DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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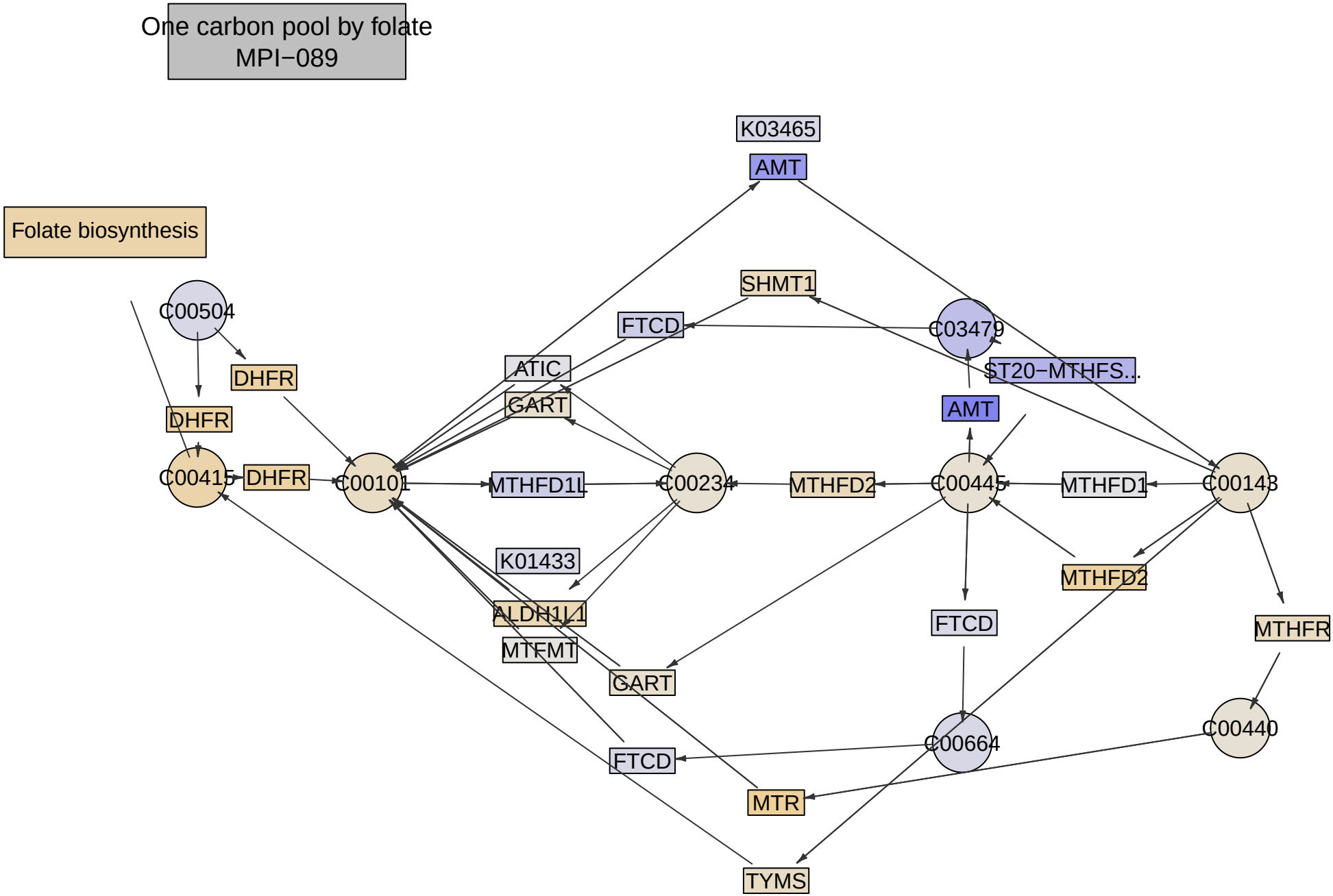
One carbon pool by folate
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DHFR
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C00234
MTHFD2
C00445
MTHFD1
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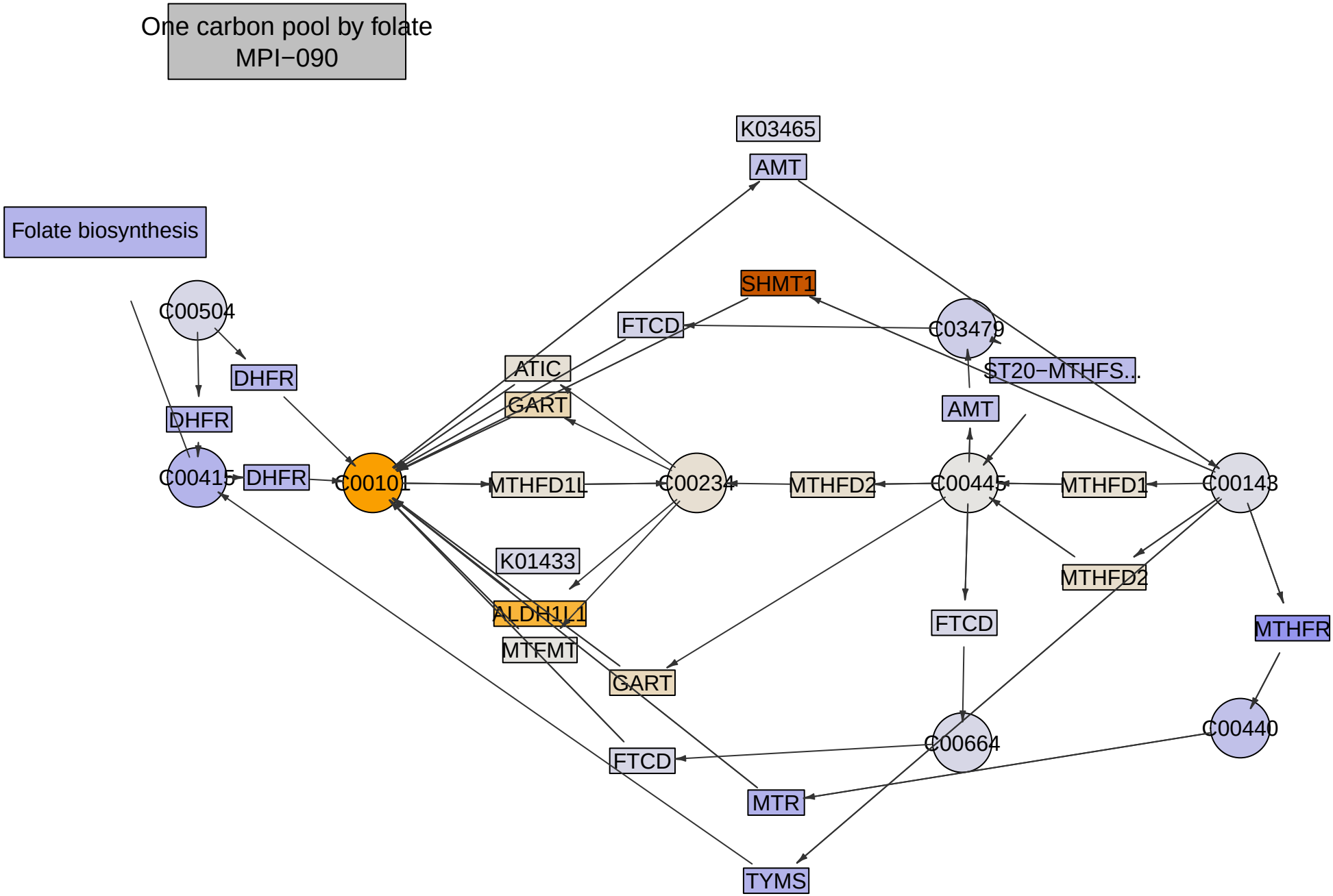
One carbon pool by folate
MPI−090
Folate biosynthesis
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SHMT1
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ATIC
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DHFR
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C00234
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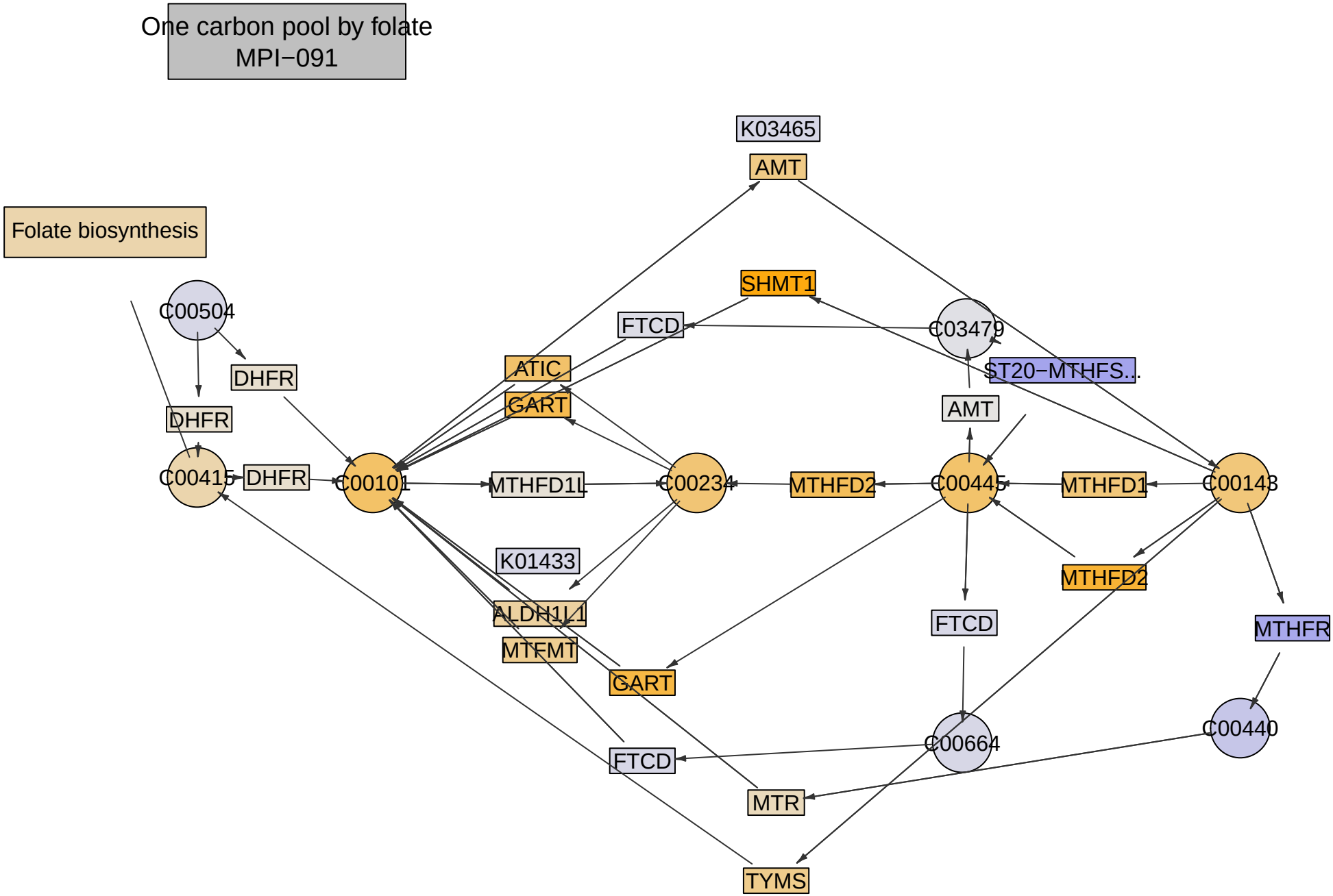
One carbon pool by folate
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Folate biosynthesis
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DHFR
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C00234
MTHFD2
C00445
MTHFD1
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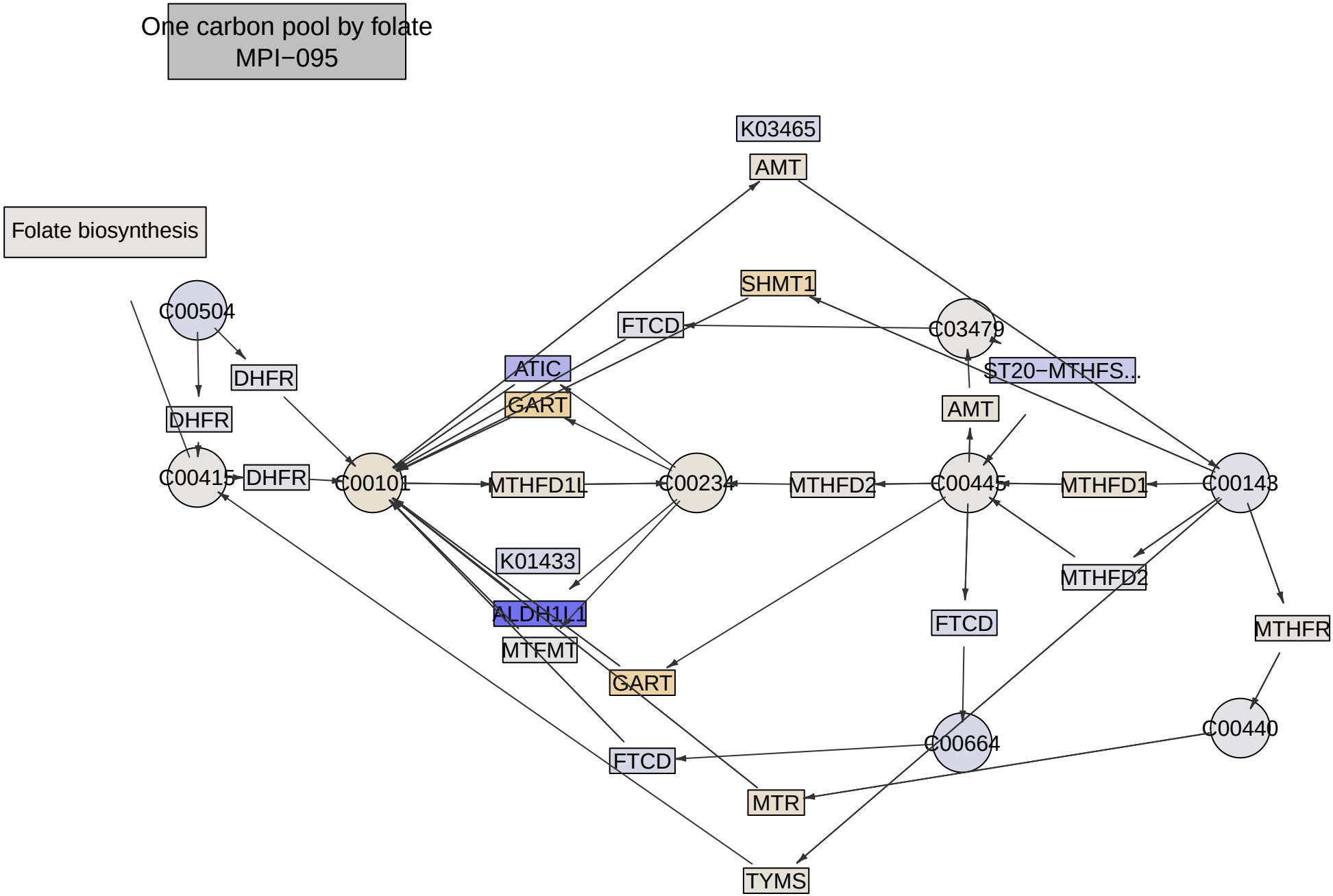
One carbon pool by folate
MPI−095
Folate biosynthesis
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DHFR
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MTHFD1L
C00234
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C00445
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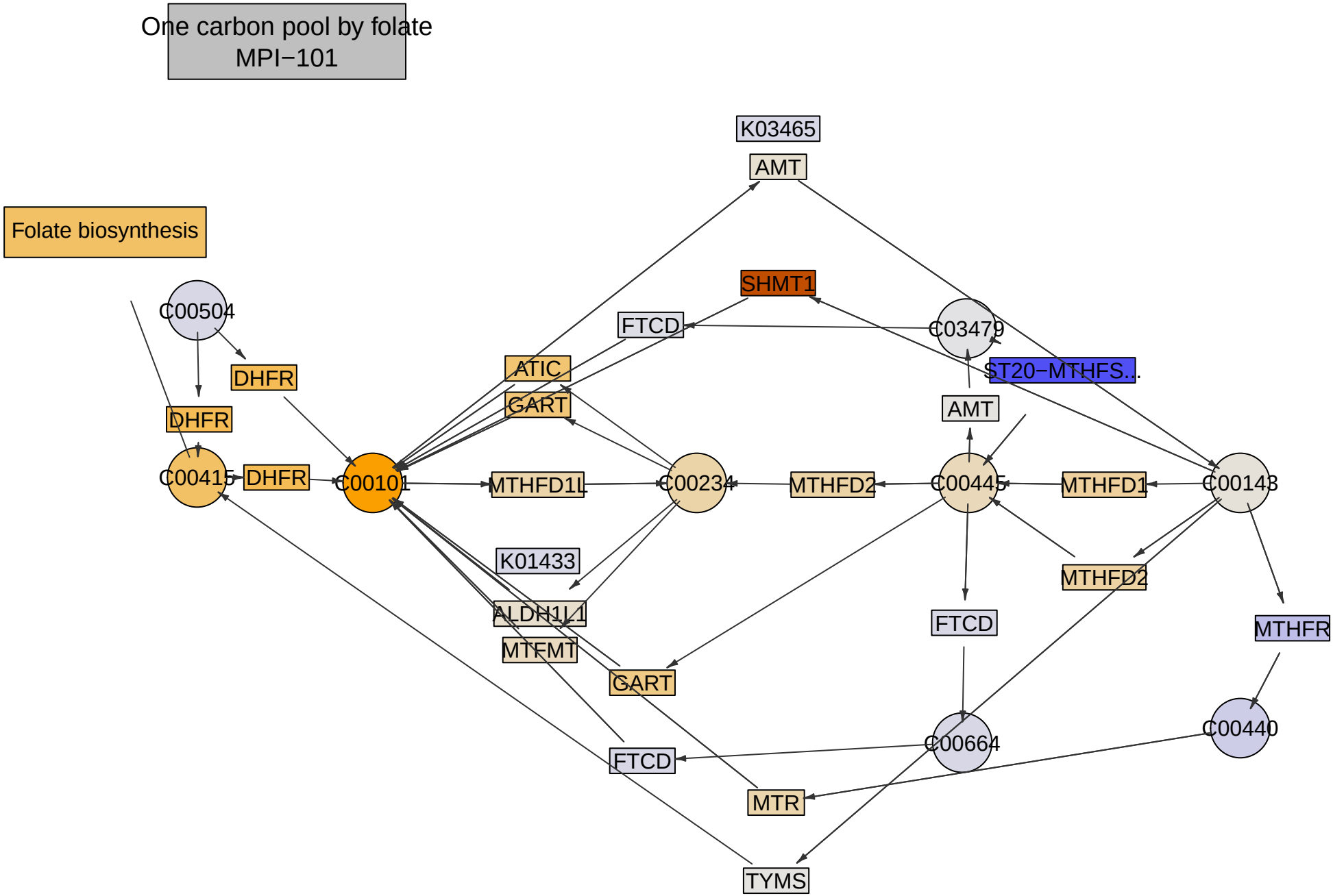
One carbon pool by folate
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Folate biosynthesis
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DHFR
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C00234
MTHFD2
C00445
MTHFD1
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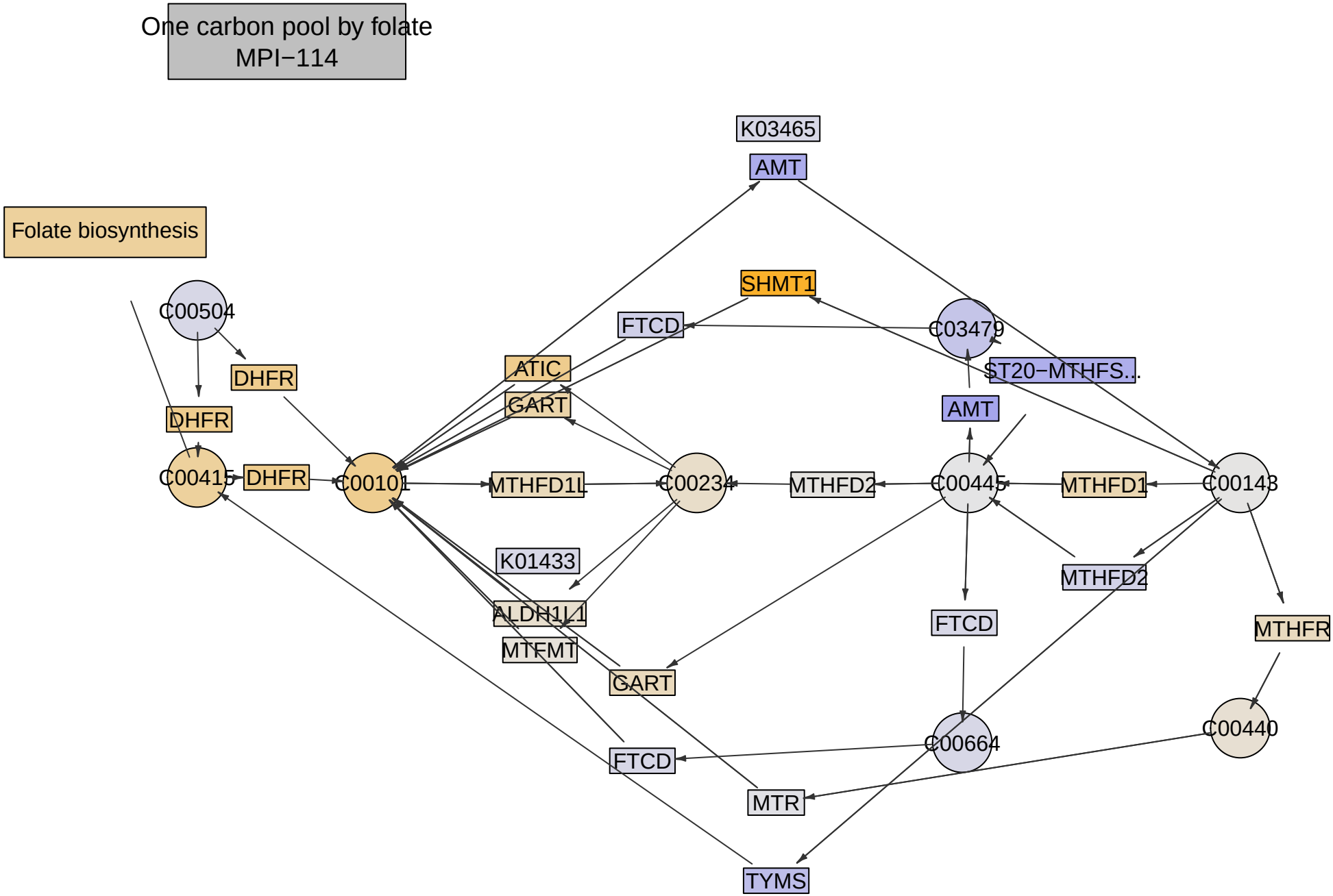
One carbon pool by folate
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Folate biosynthesis
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DHFR
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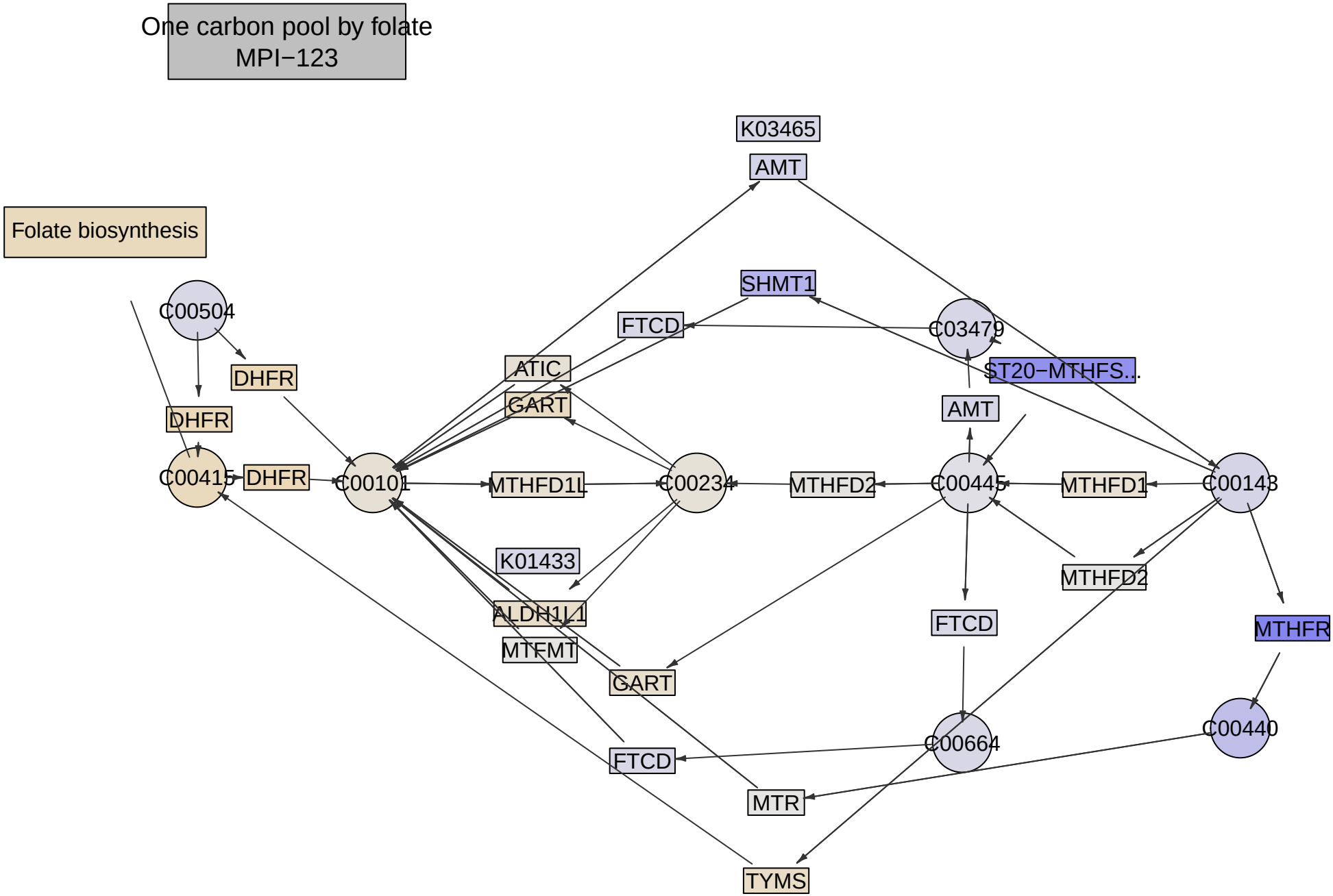
One carbon pool by folate
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AMT
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DHFR
C00101
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C00234
MTHFD2
C00445
MTHFD1
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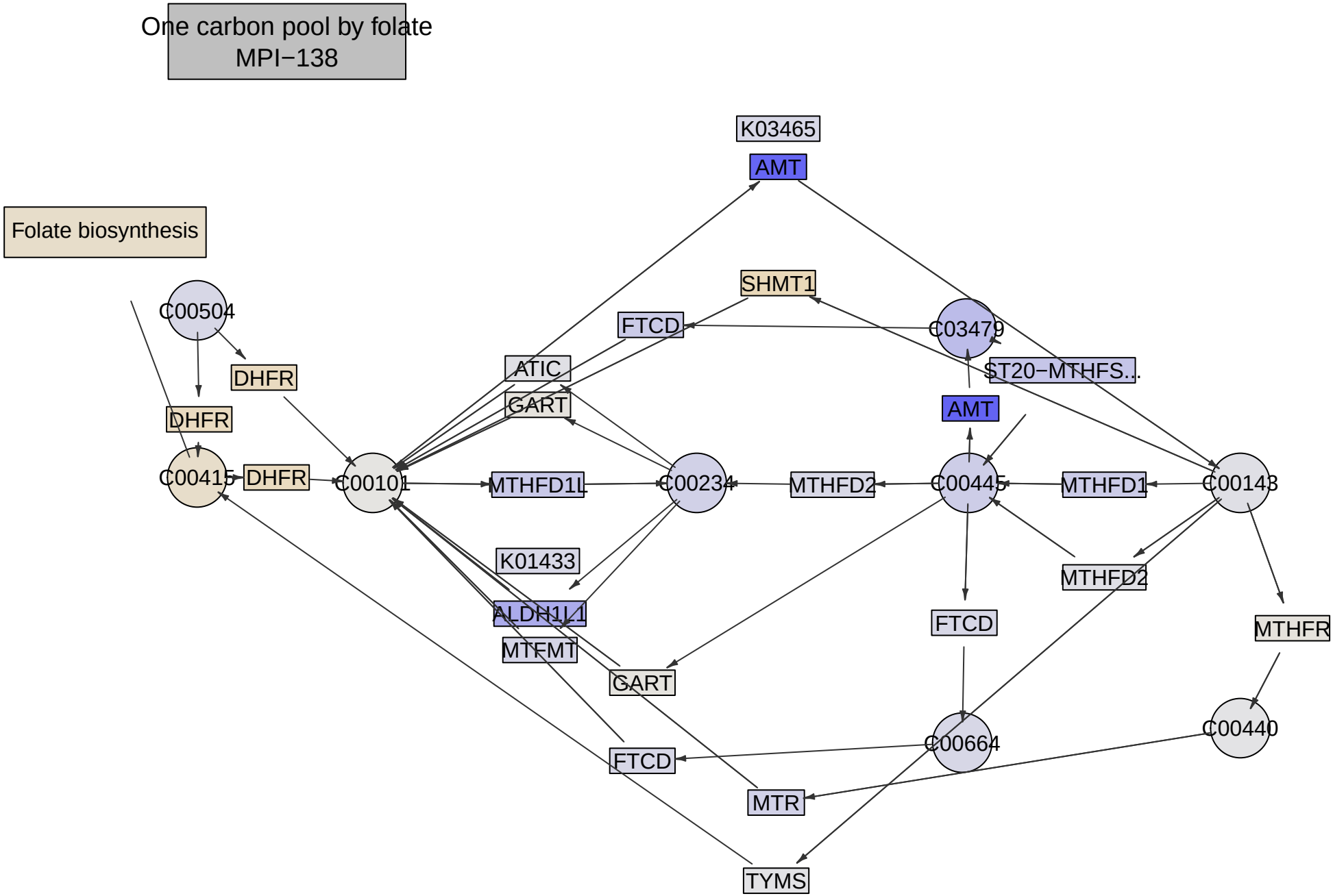
MTR
TYMS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MPI−138
Folate biosynthesis
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DHFR
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DHFR
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MTHFD1L
C00234
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C00445
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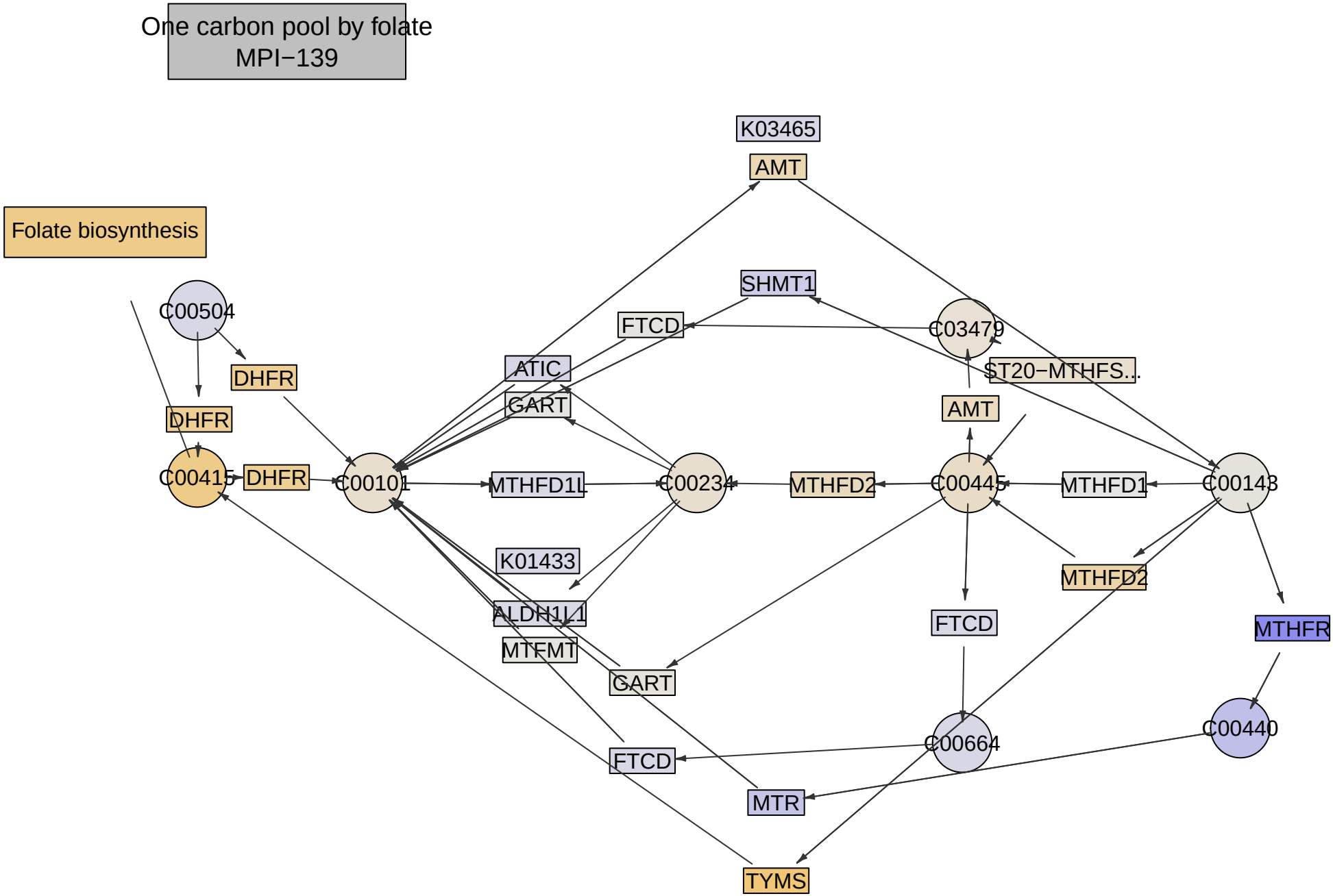
One carbon pool by folate
MPI−139
Folate biosynthesis
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C00504
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DHFR
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DHFR
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C00445
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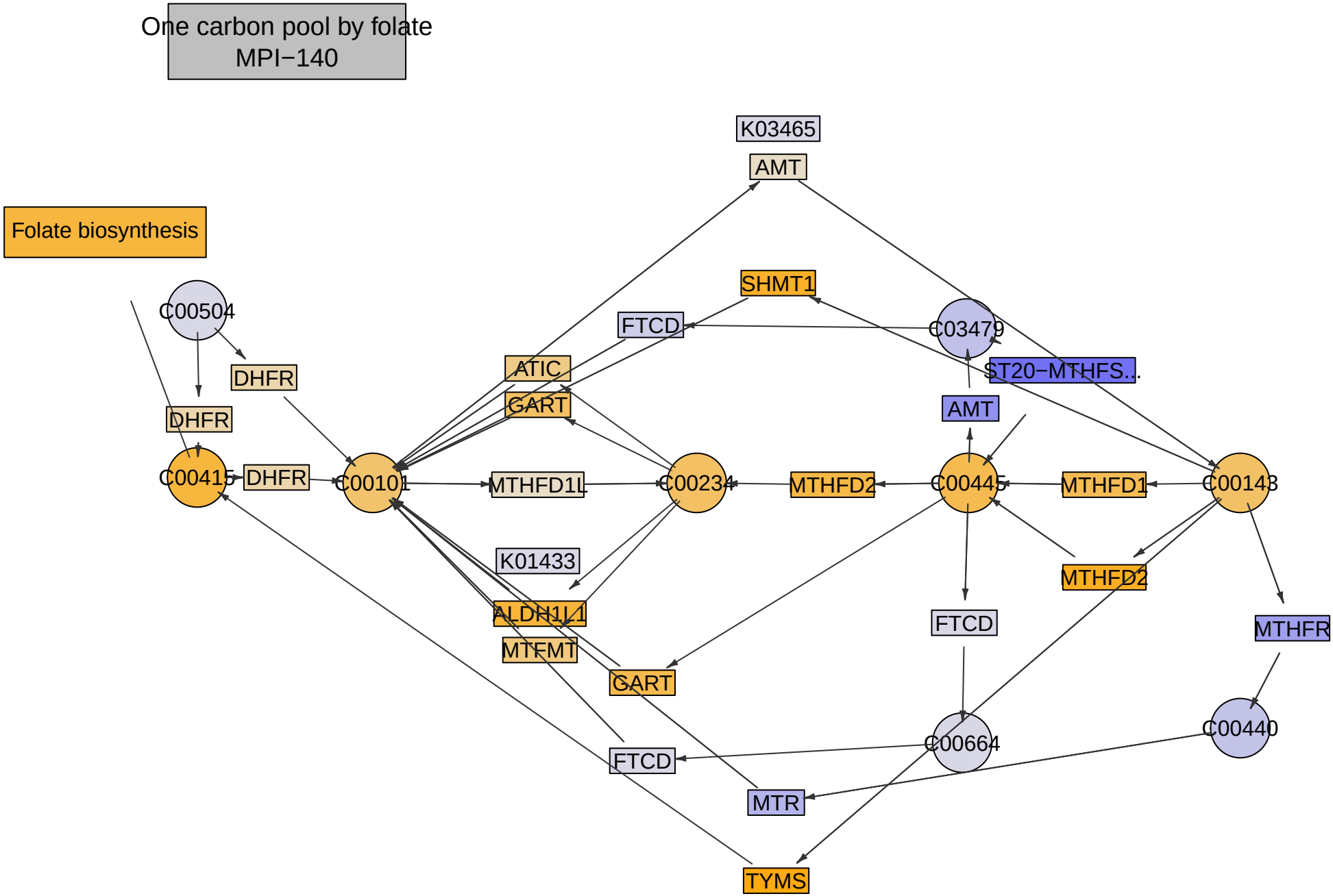
One carbon pool by folate
MPI−140
Folate biosynthesis
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AMT
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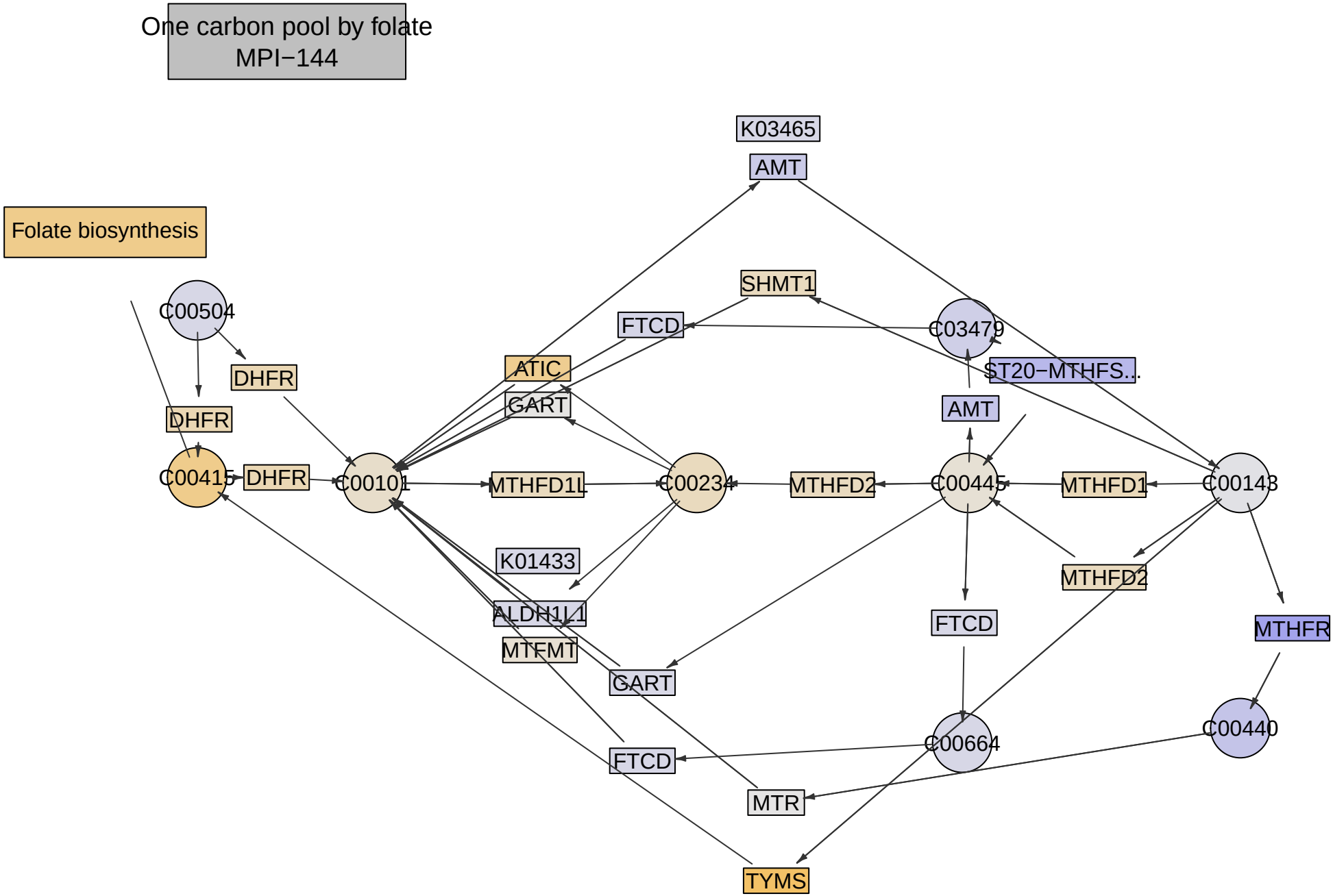
One carbon pool by folate
MPI−144
Folate biosynthesis
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DHFR
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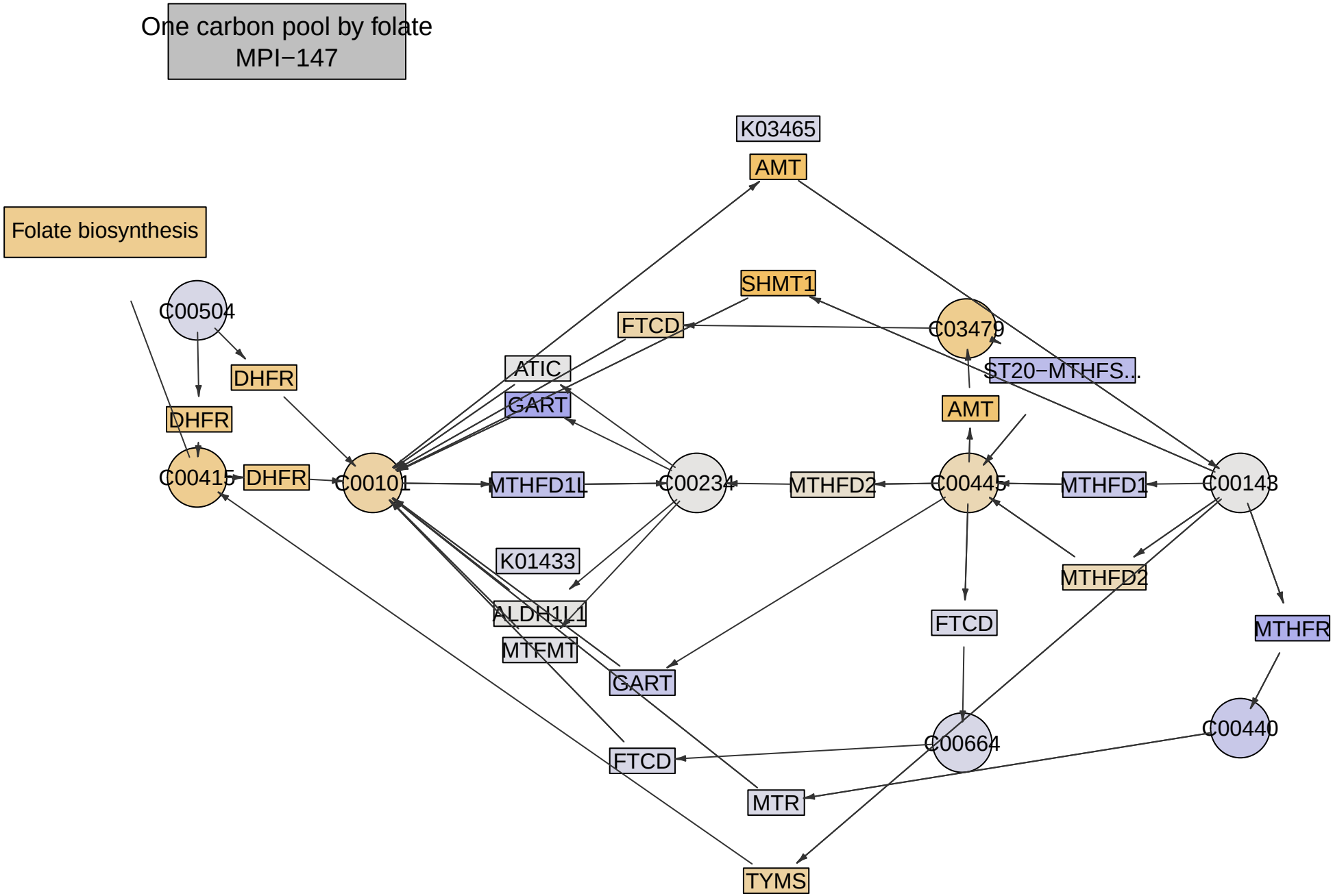
One carbon pool by folate
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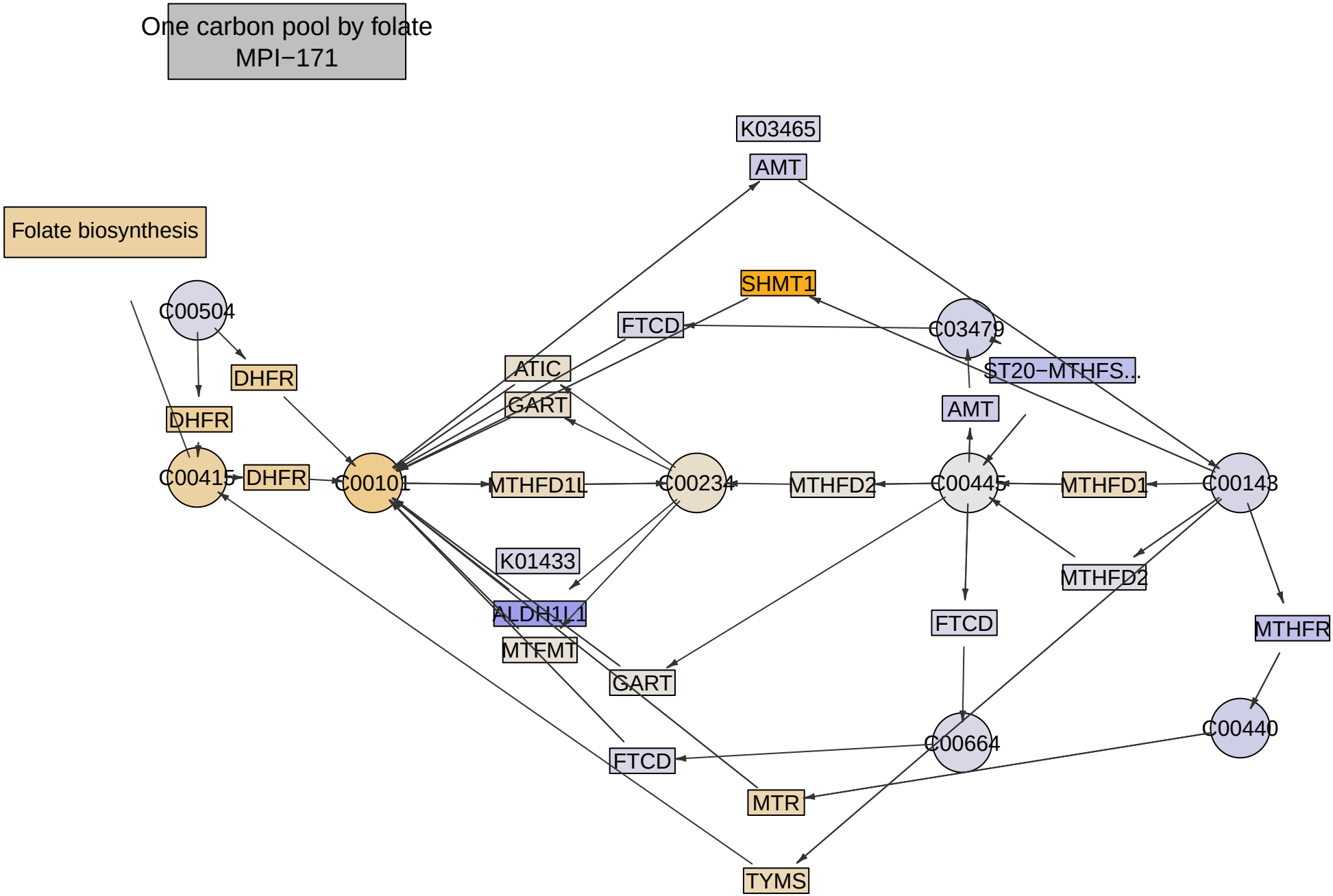
One carbon pool by folate
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Folate biosynthesis
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DHFR
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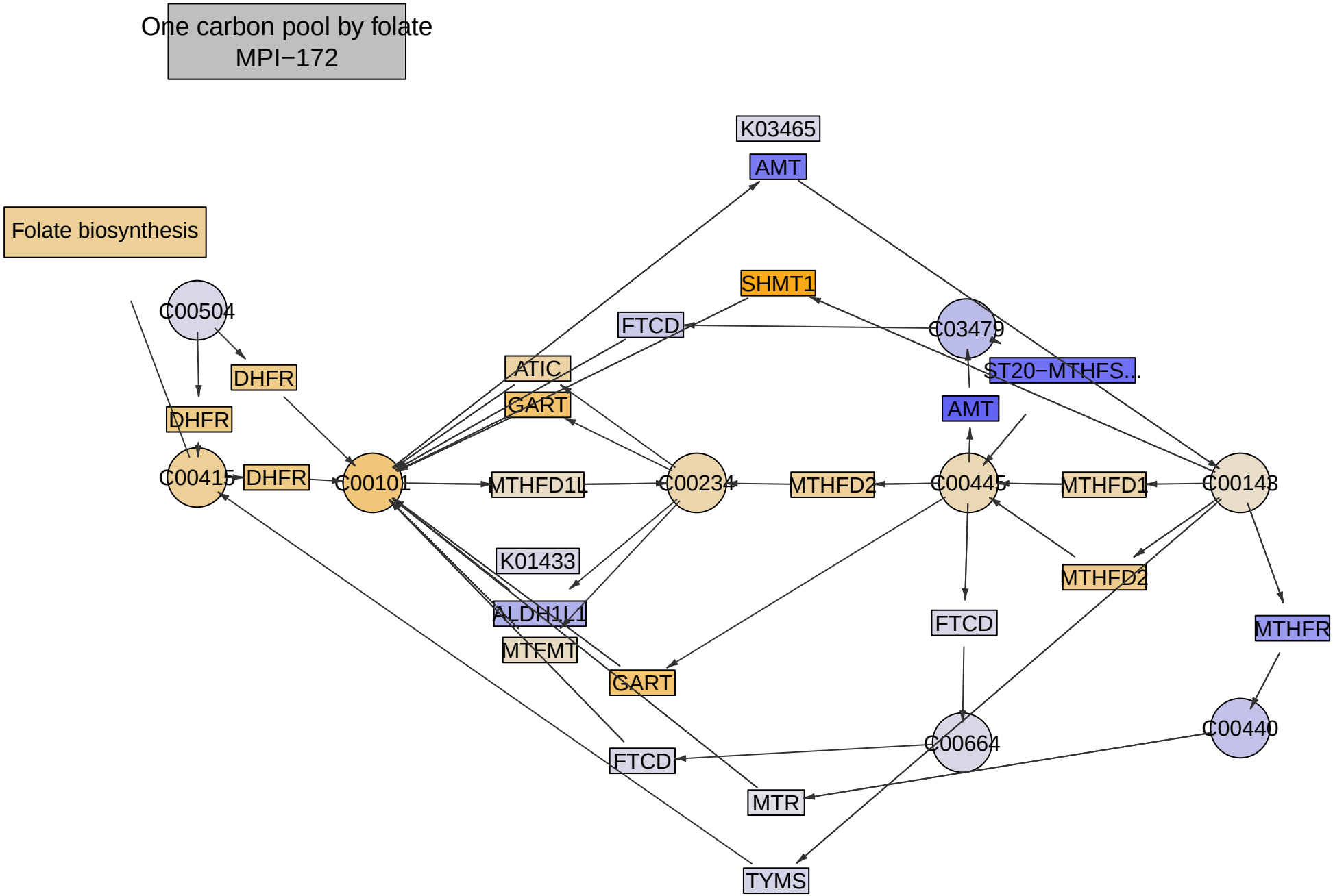
One carbon pool by folate
MPI−172
Folate biosynthesis
K03465
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DHFR
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C00234
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C00445
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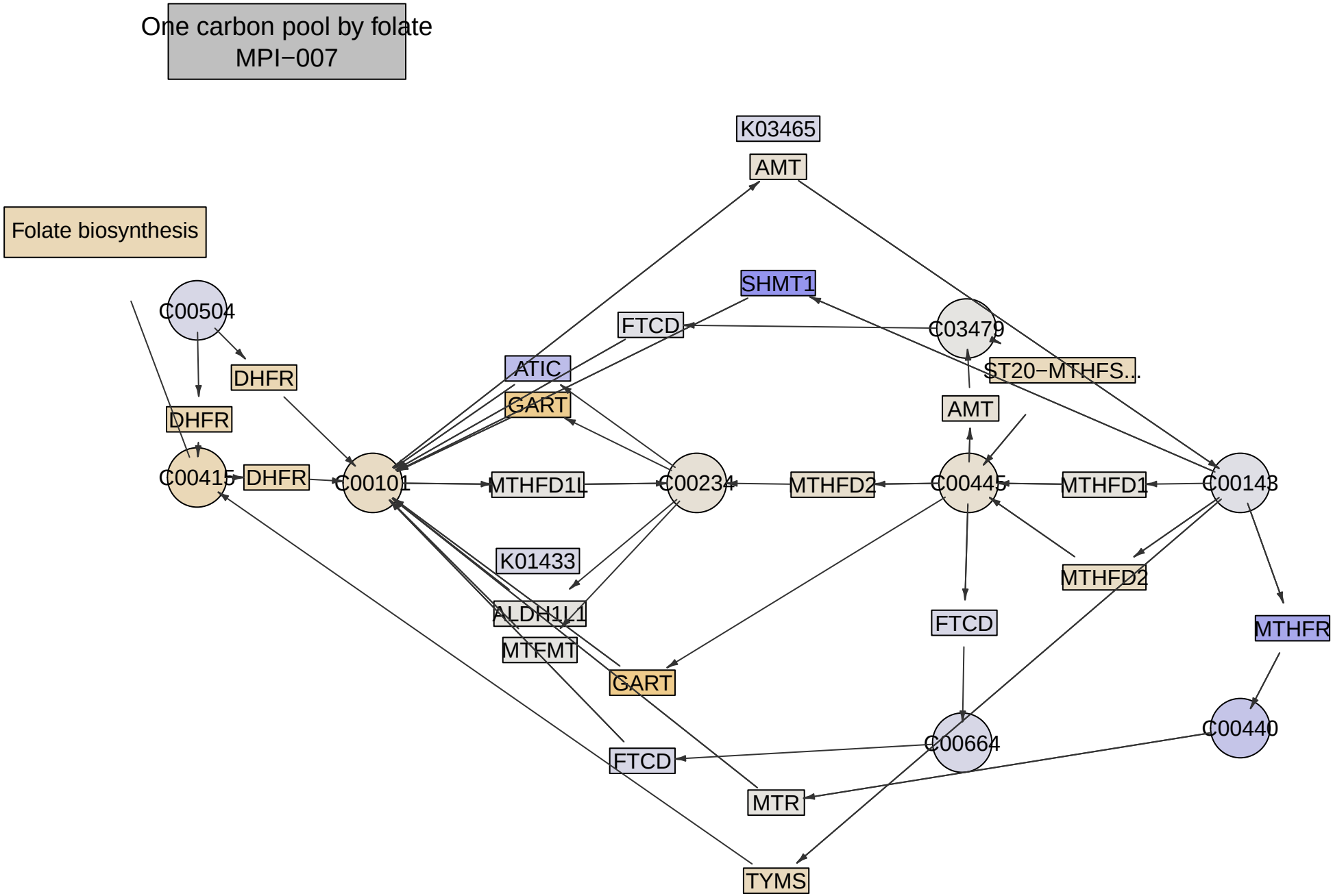
One carbon pool by folate
MPI−007
Folate biosynthesis
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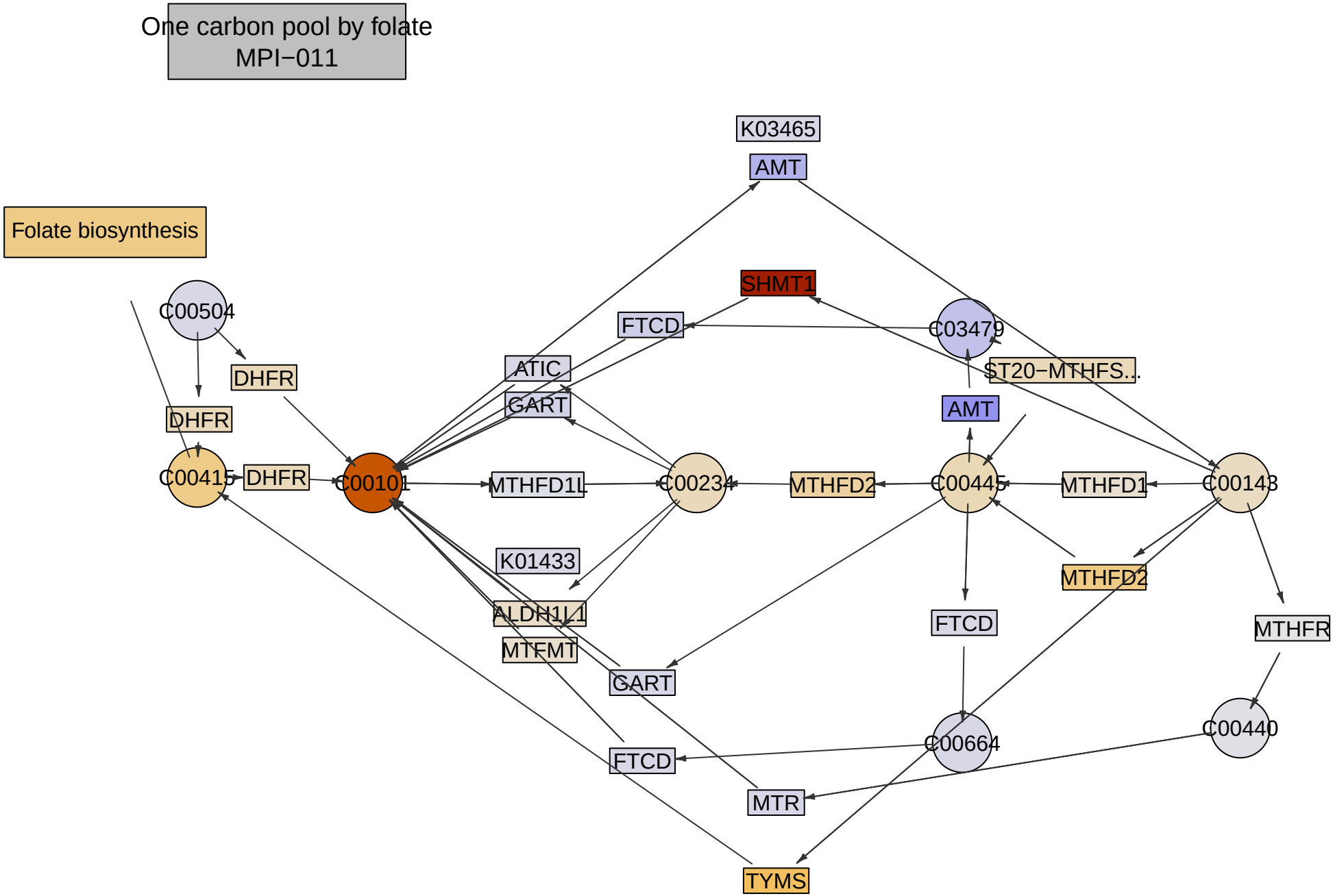
One carbon pool by folate
MPI−011
Folate biosynthesis
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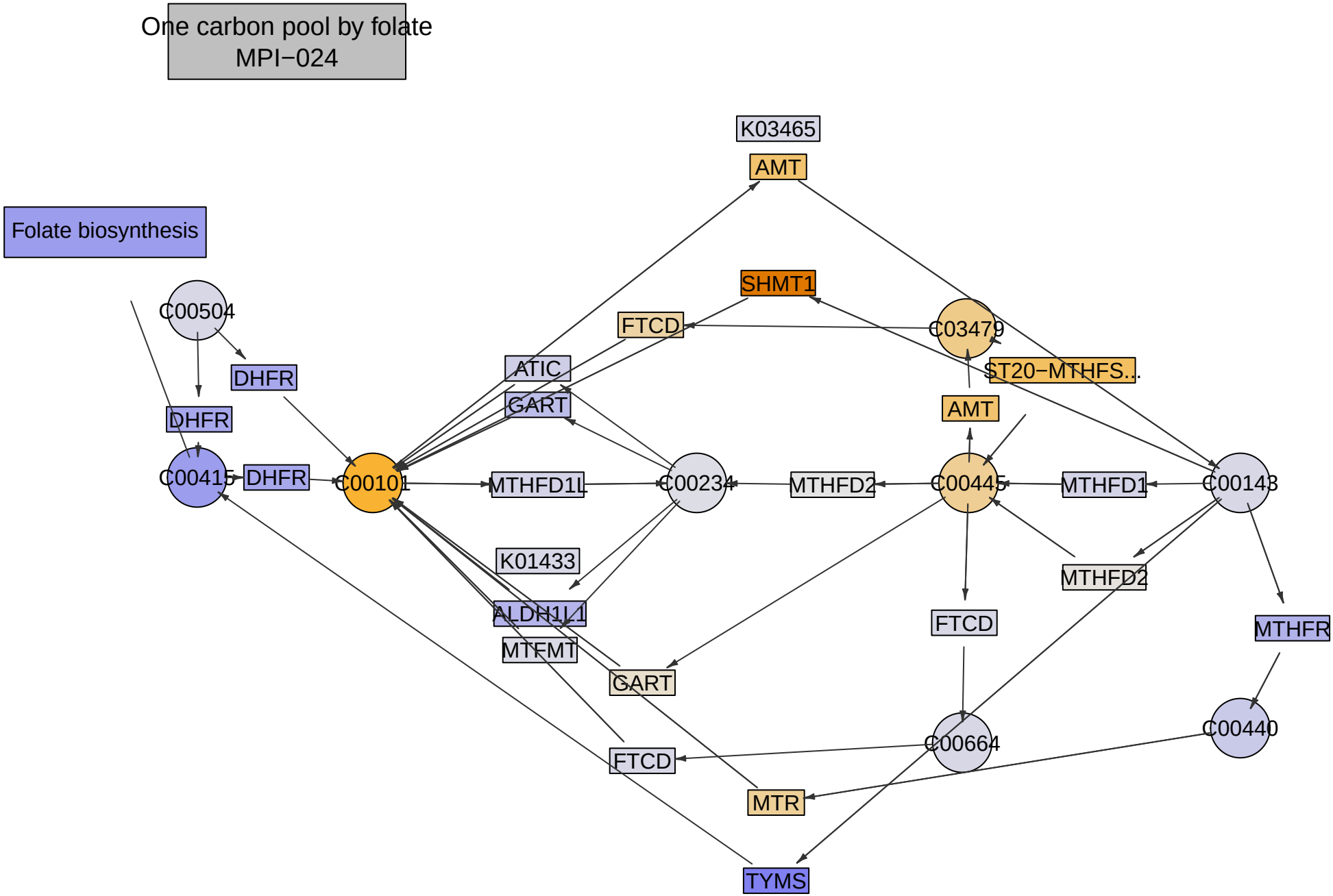
One carbon pool by folate
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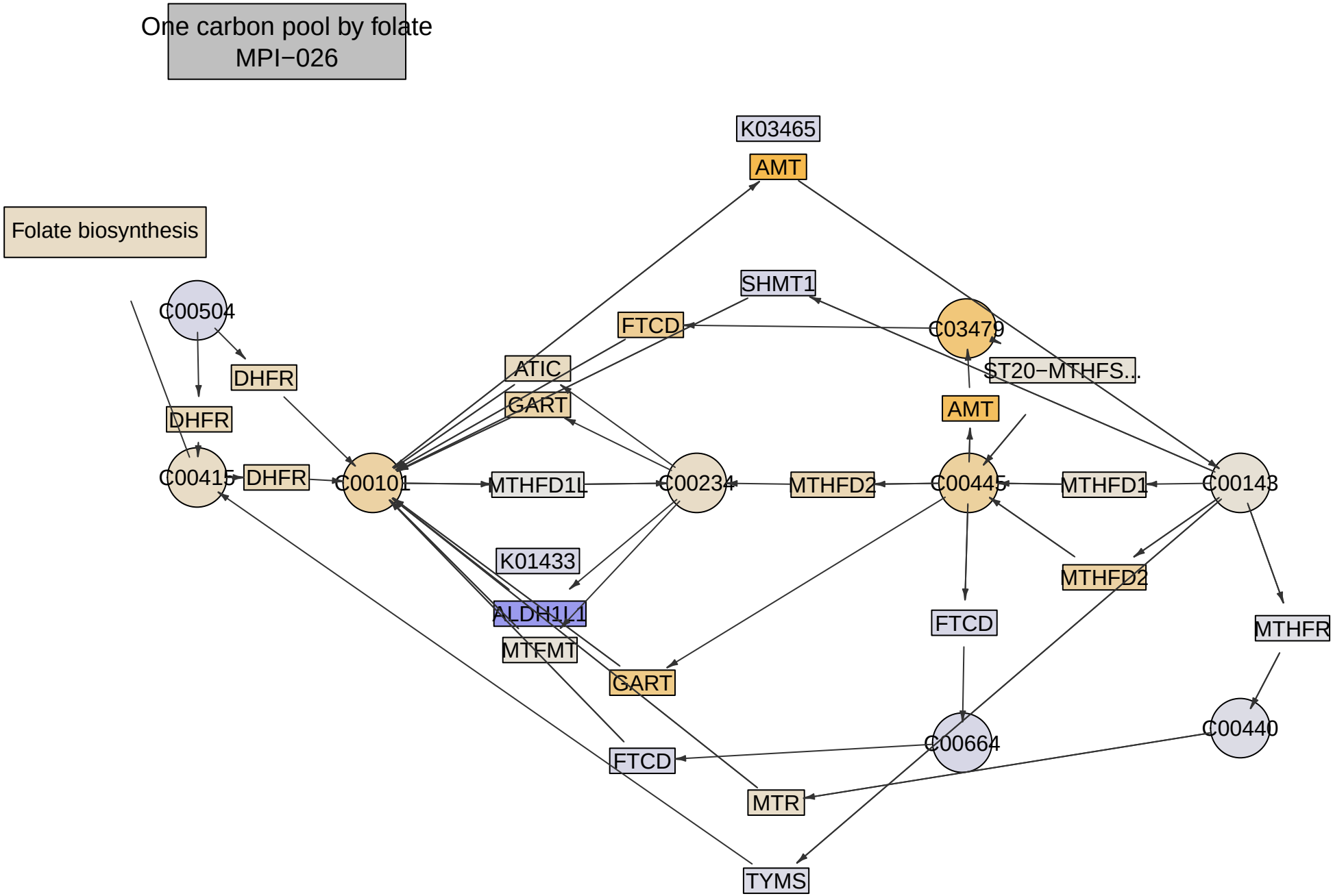
One carbon pool by folate
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Folate biosynthesis
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DHFR
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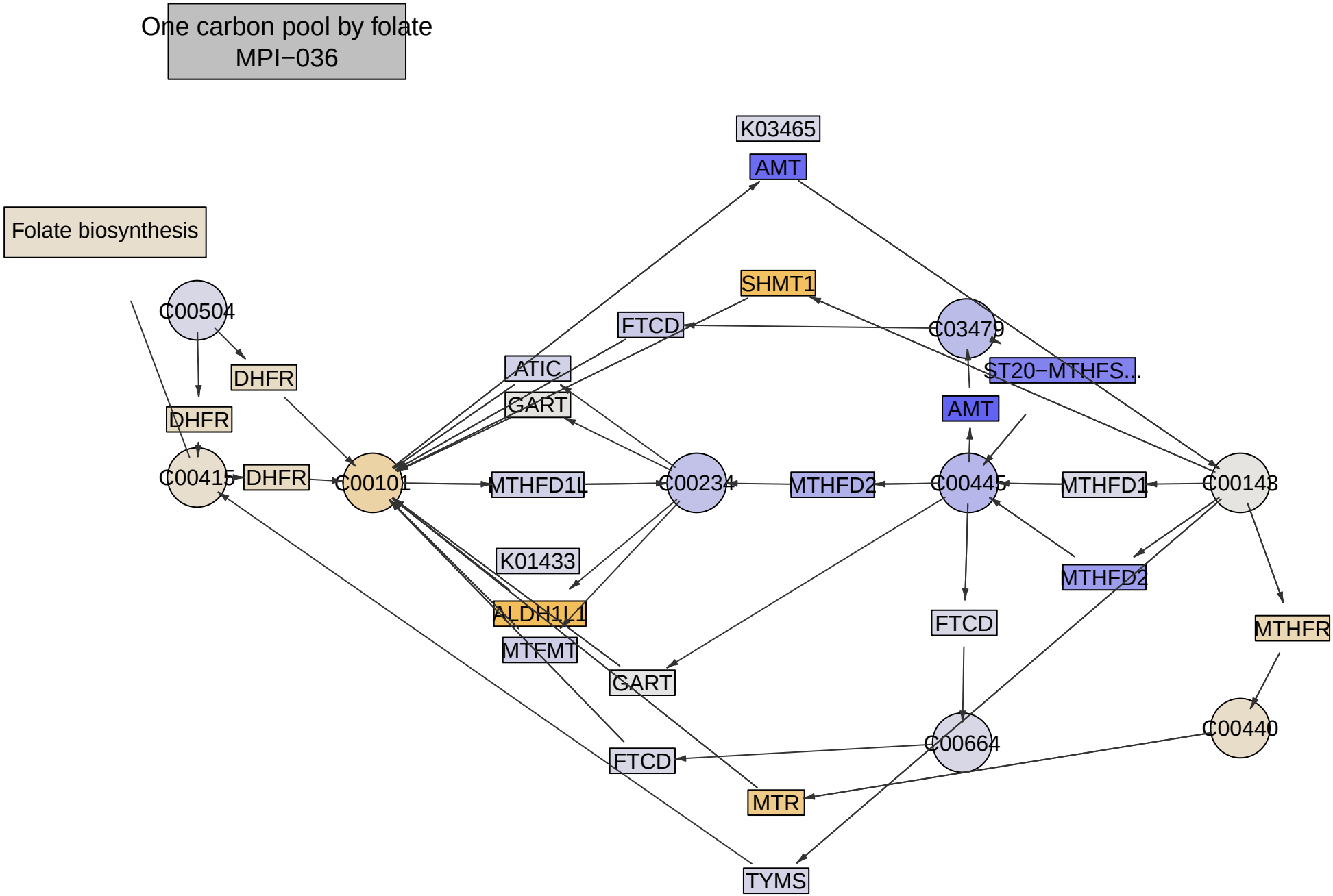
TYMS


One carbon pool by folate
MPI−036
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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FTCD
MTHFR
MTFMT
GART
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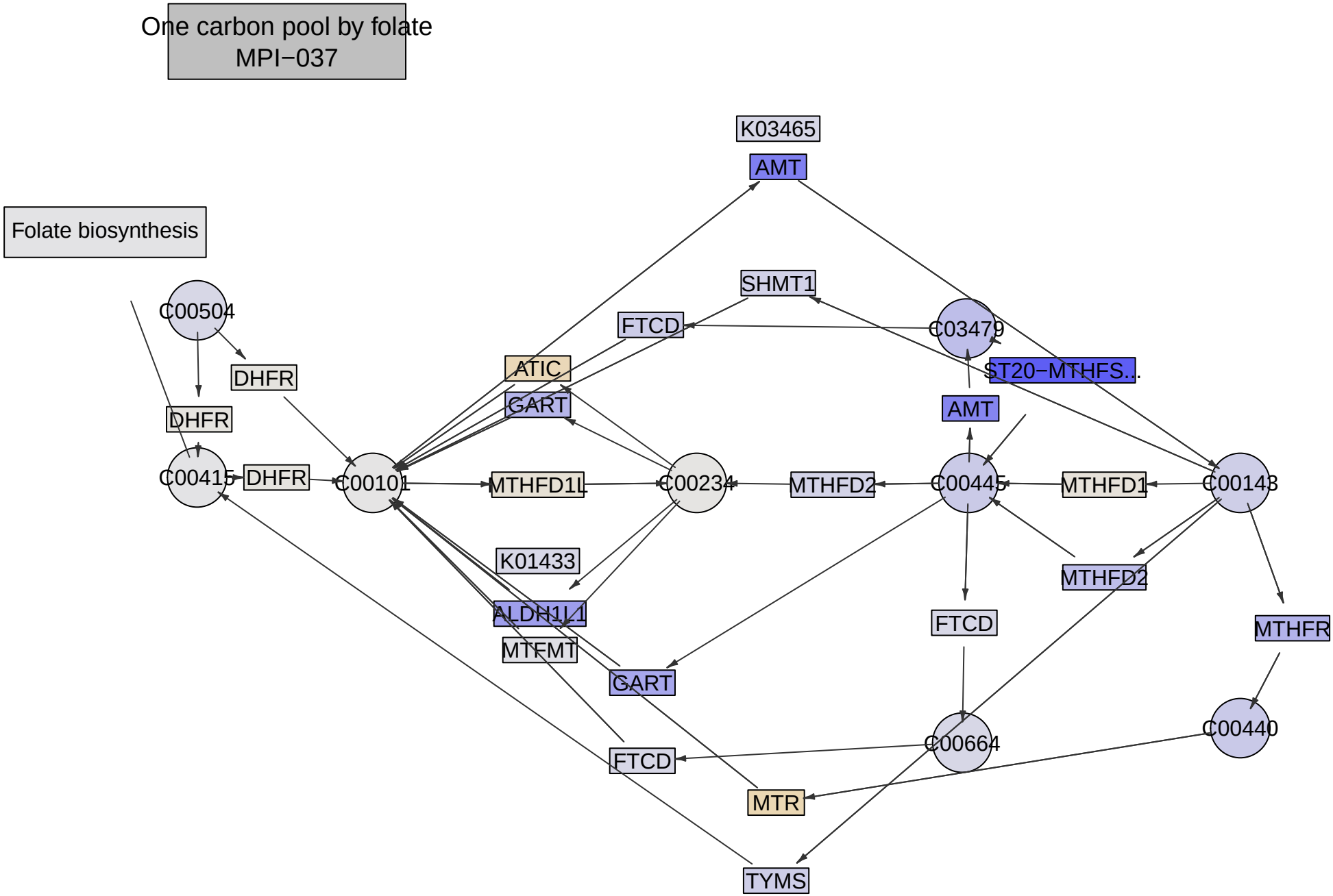
FTCD
MTR
TYMS


One carbon pool by folate
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Folate biosynthesis
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AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
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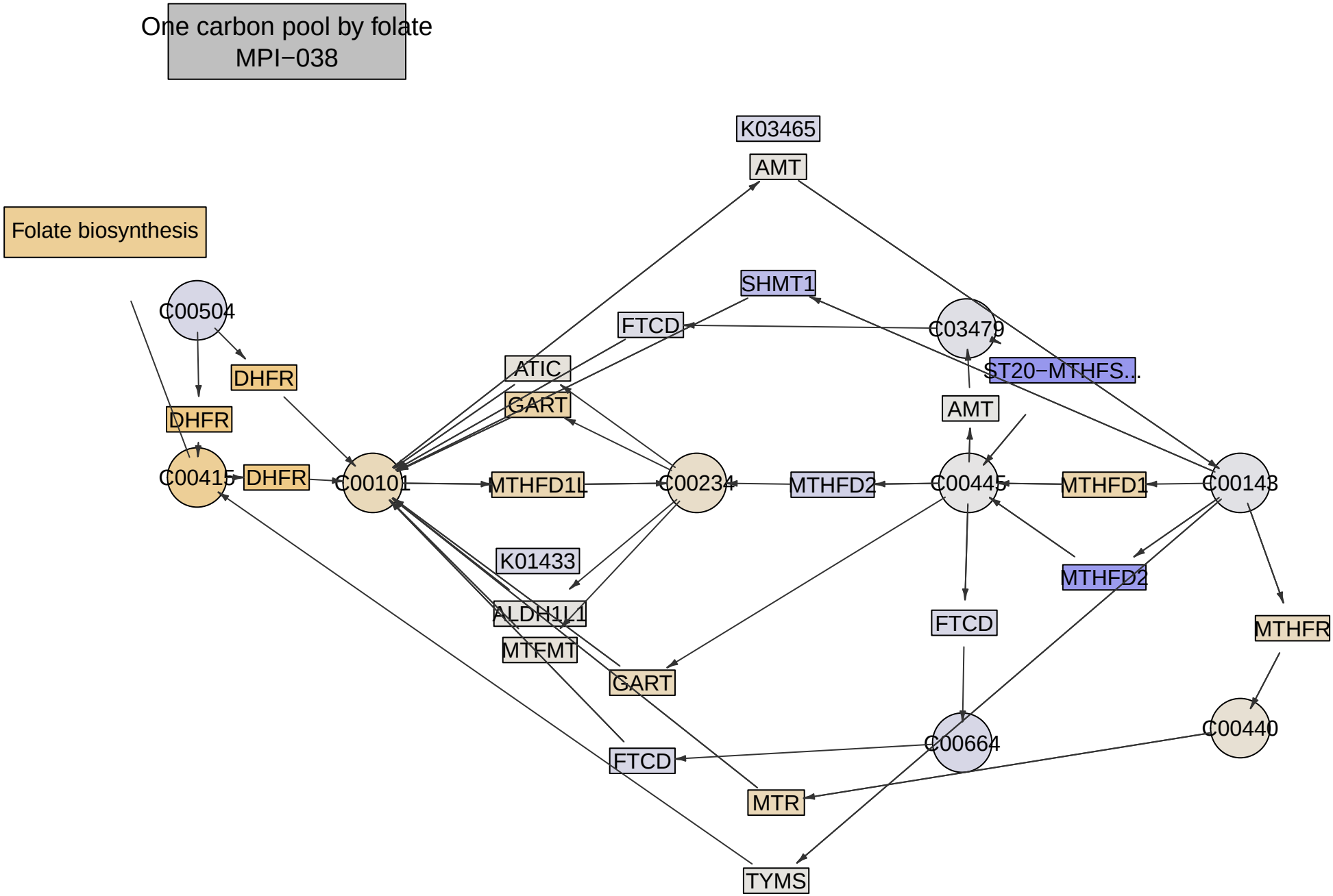
FTCD
MTR
TYMS


One carbon pool by folate
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Folate biosynthesis
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SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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MTHFR
MTFMT
GART
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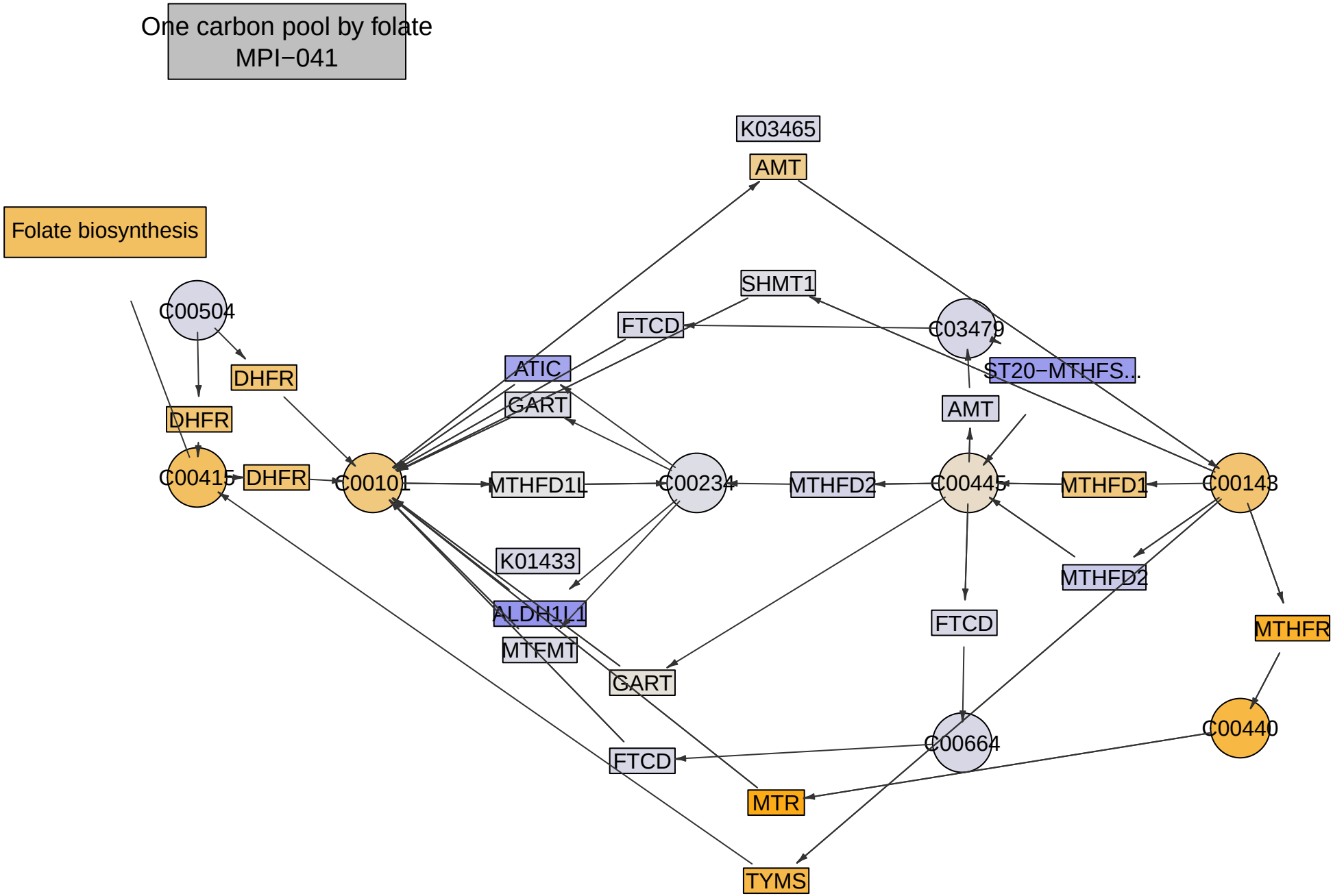
FTCD
MTR
TYMS


One carbon pool by folate
MPI−041
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
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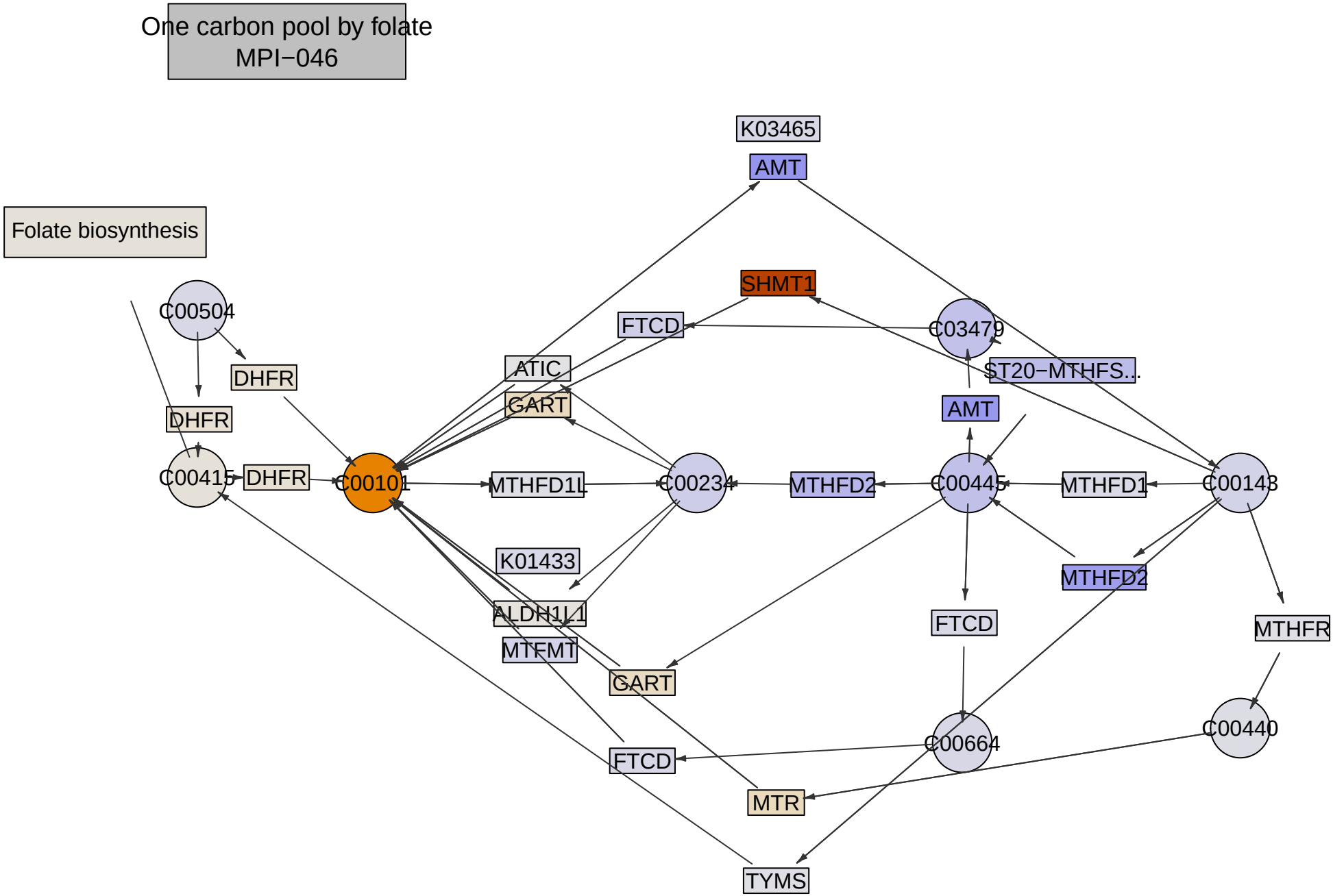
FTCD
MTR
TYMS


One carbon pool by folate
MPI−046
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
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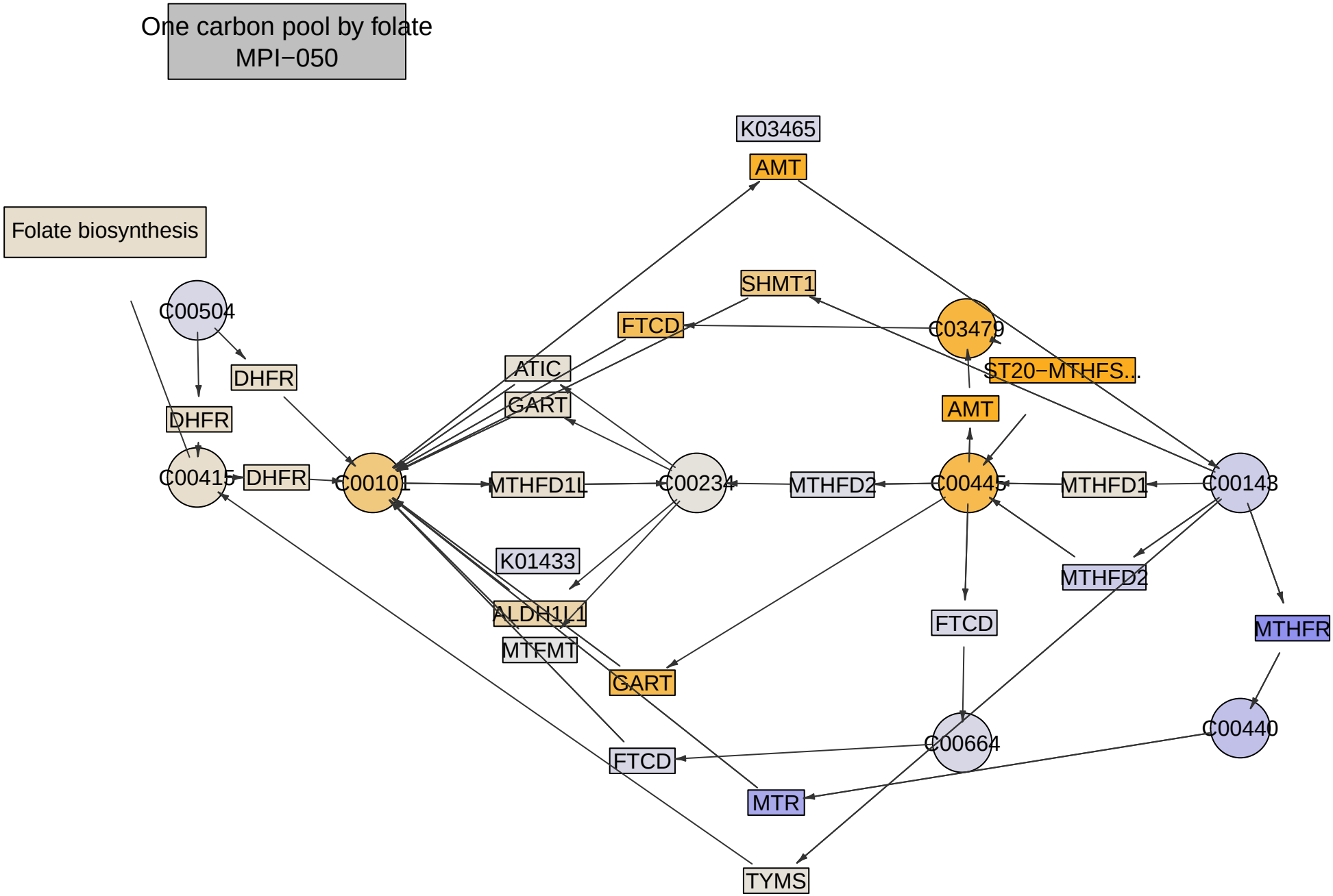
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−050
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
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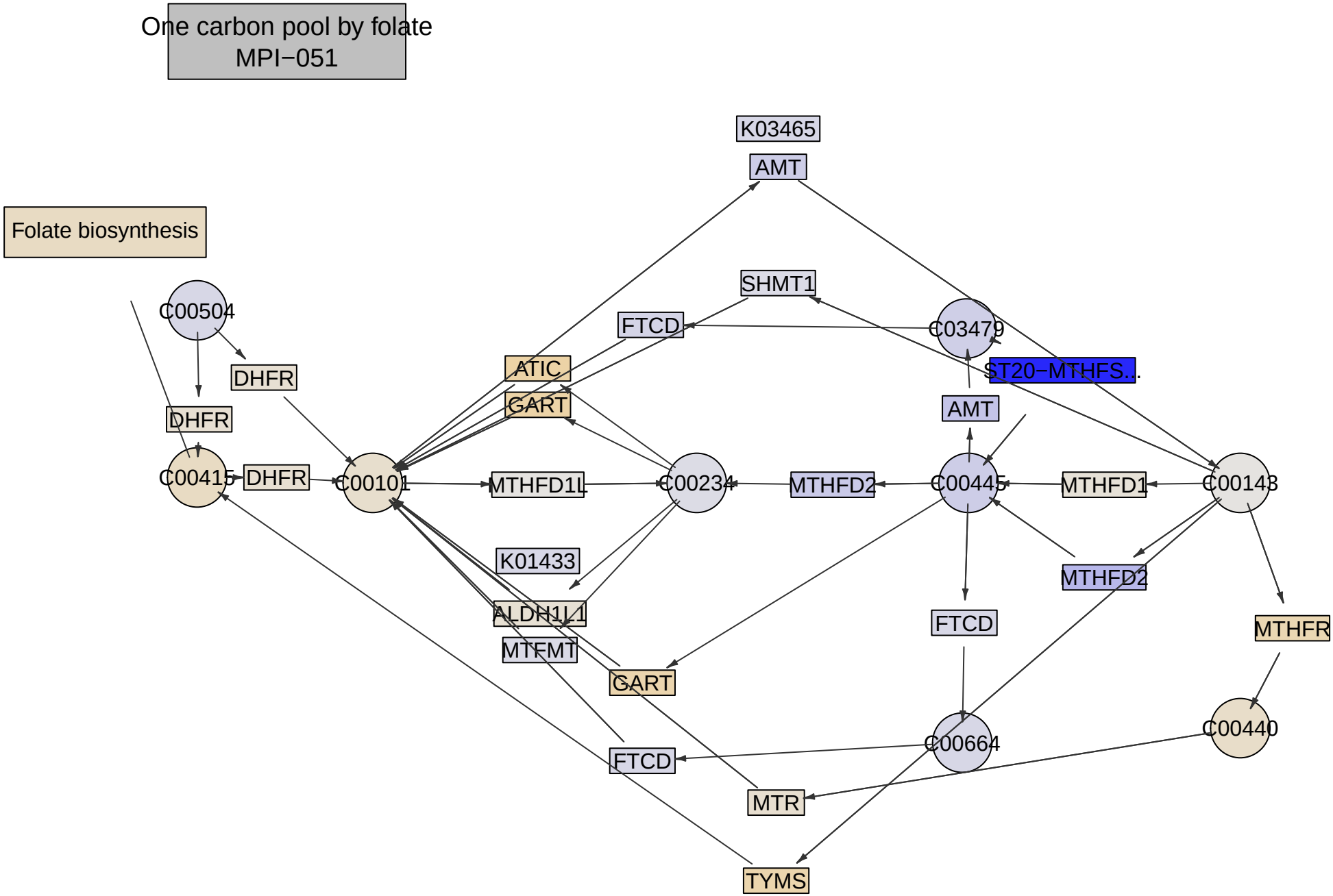
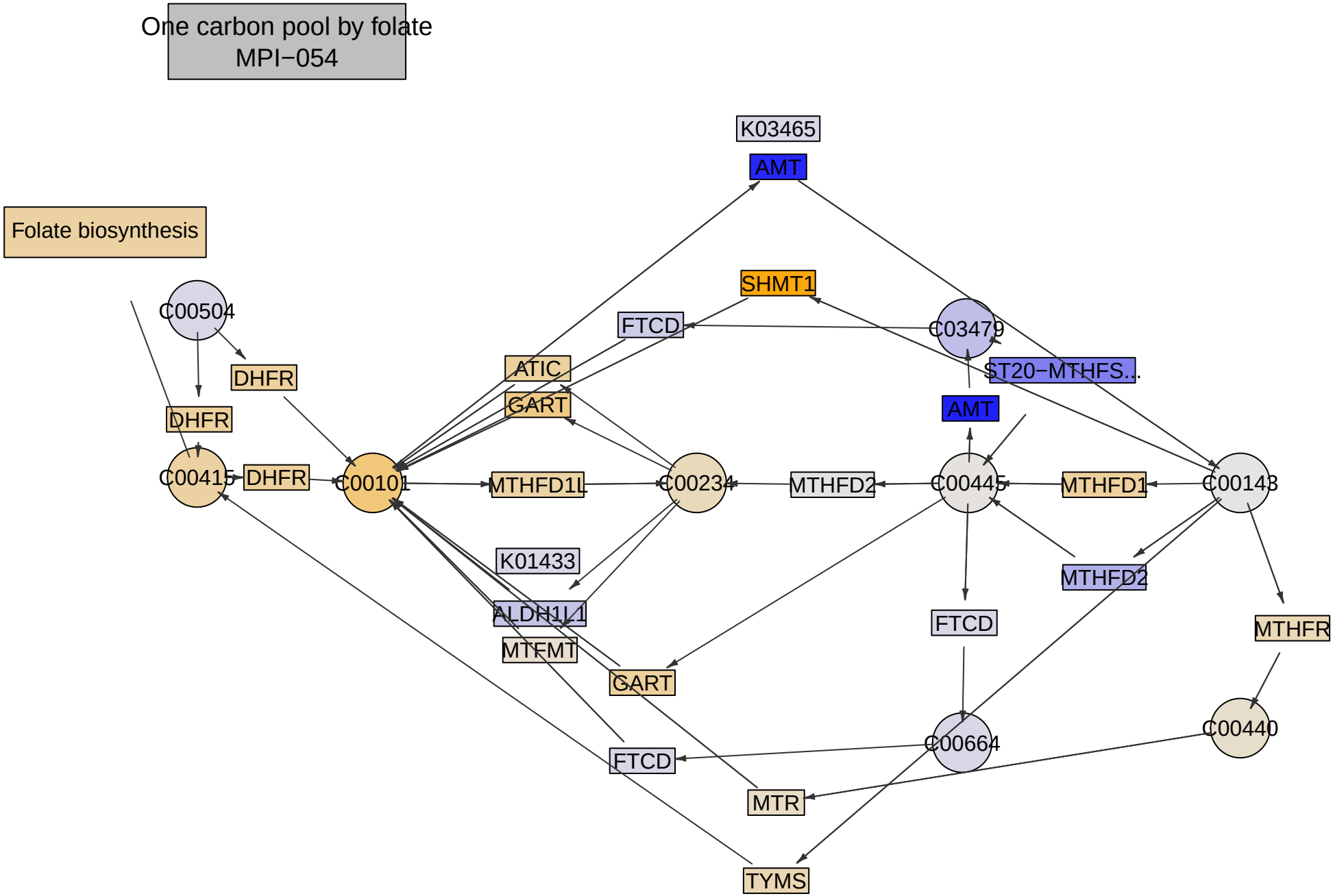
FTCD
MTR
TYMS


One carbon pool by folate
MPI−051
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−054
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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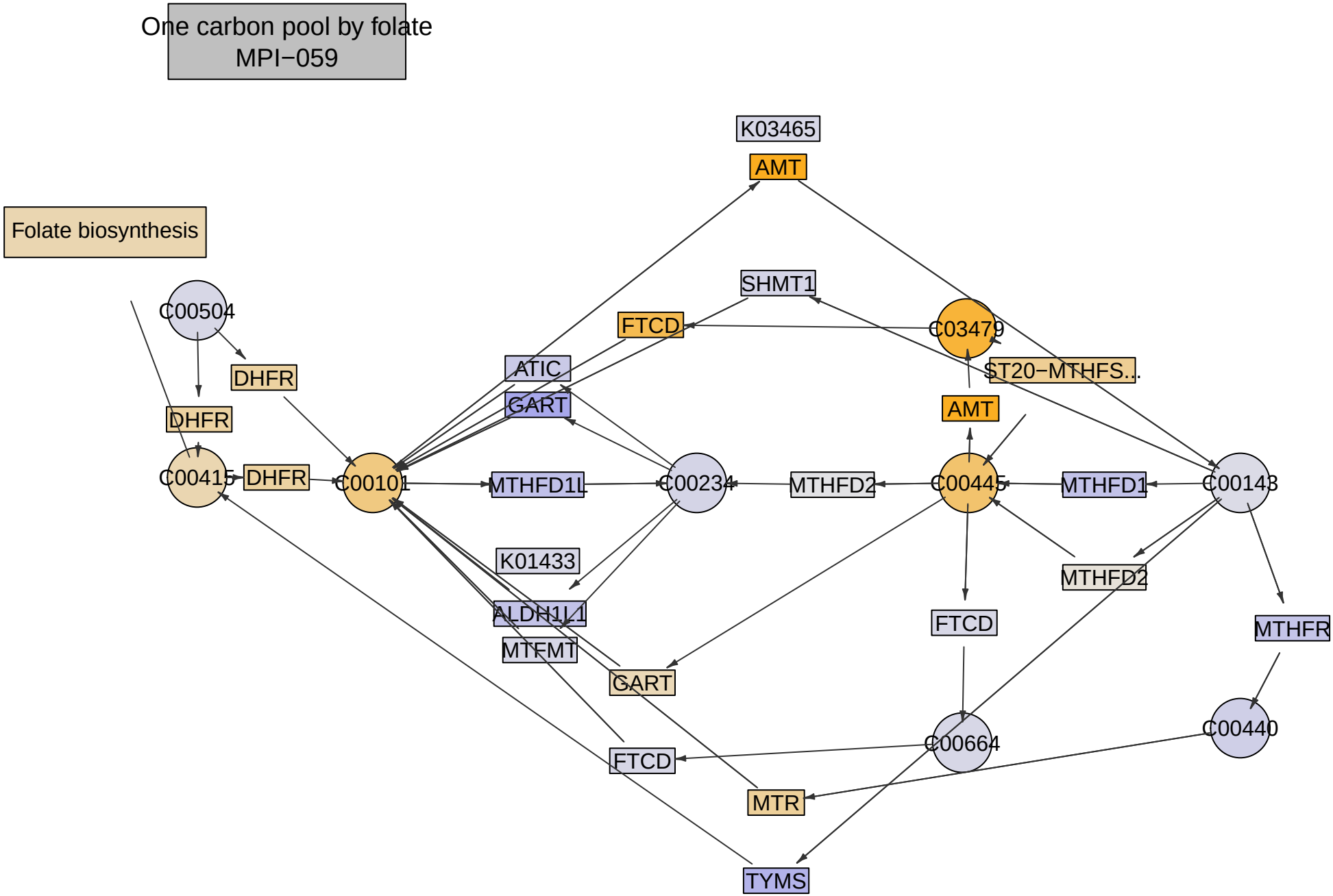
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−059
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
MTHFR
MTFMT
GART
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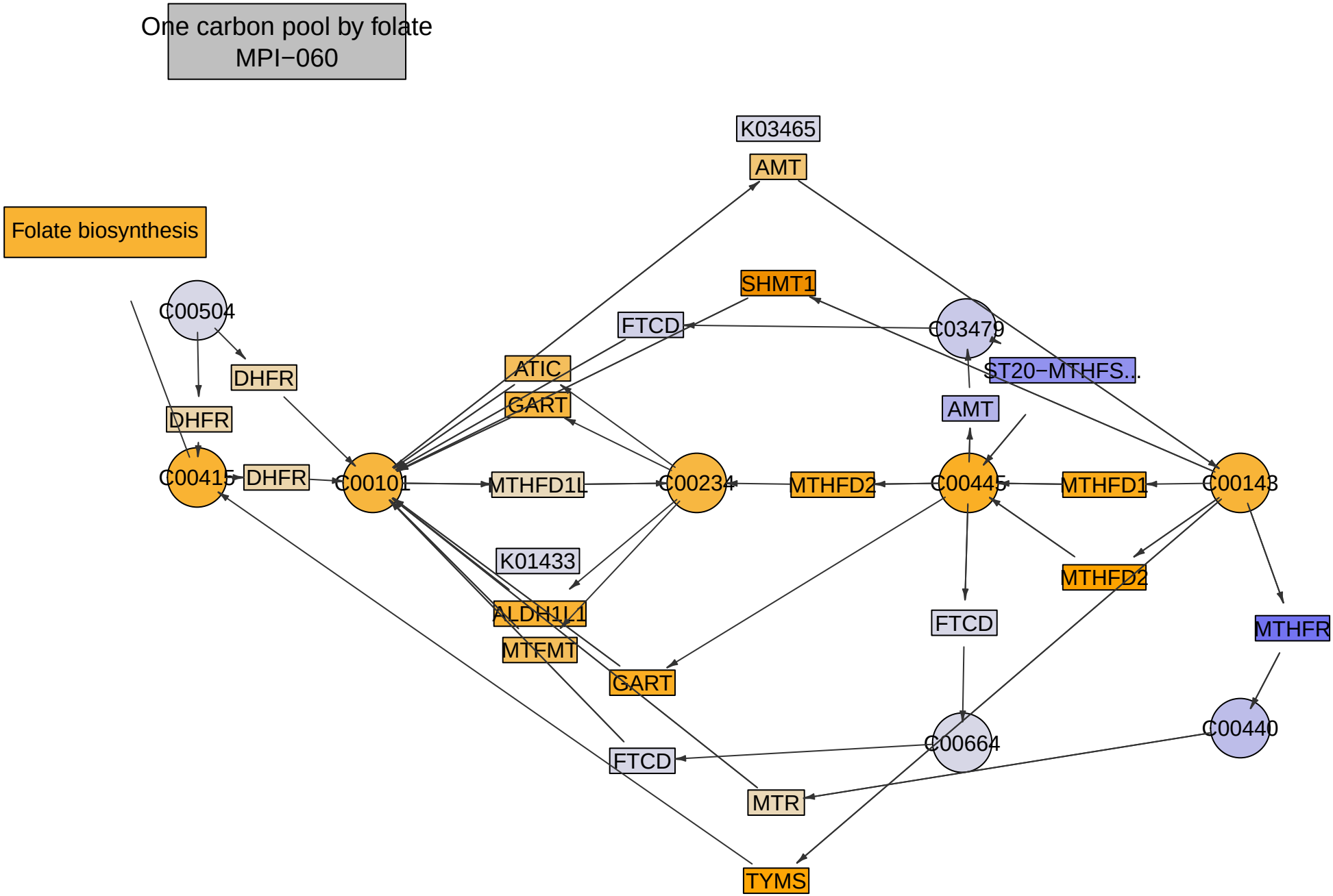
FTCD
MTR
TYMS


One carbon pool by folate
MPI−060
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
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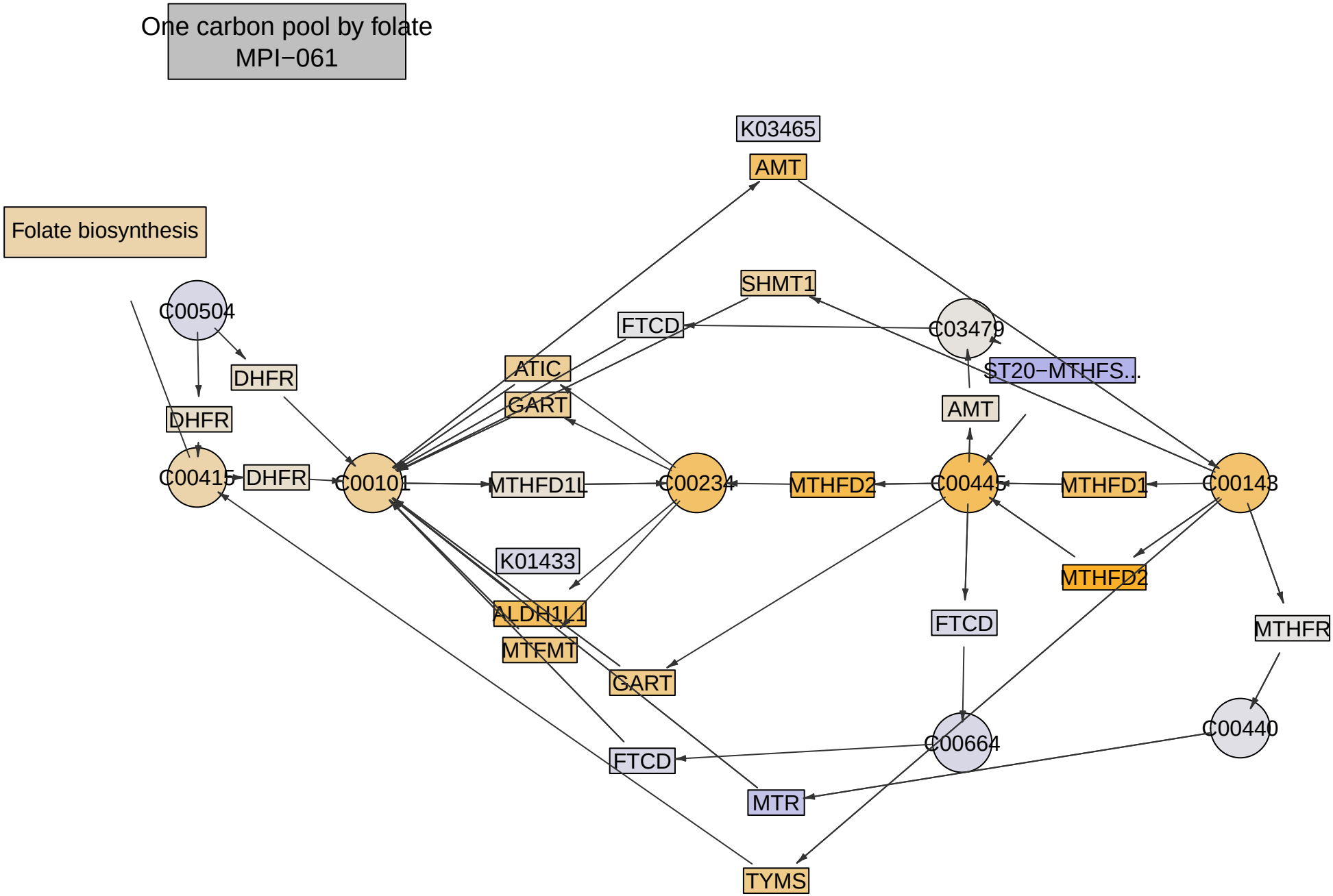
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−061
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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MTHFD2
ALDH1L1
FTCD
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MTFMT
GART
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FTCD
MTR
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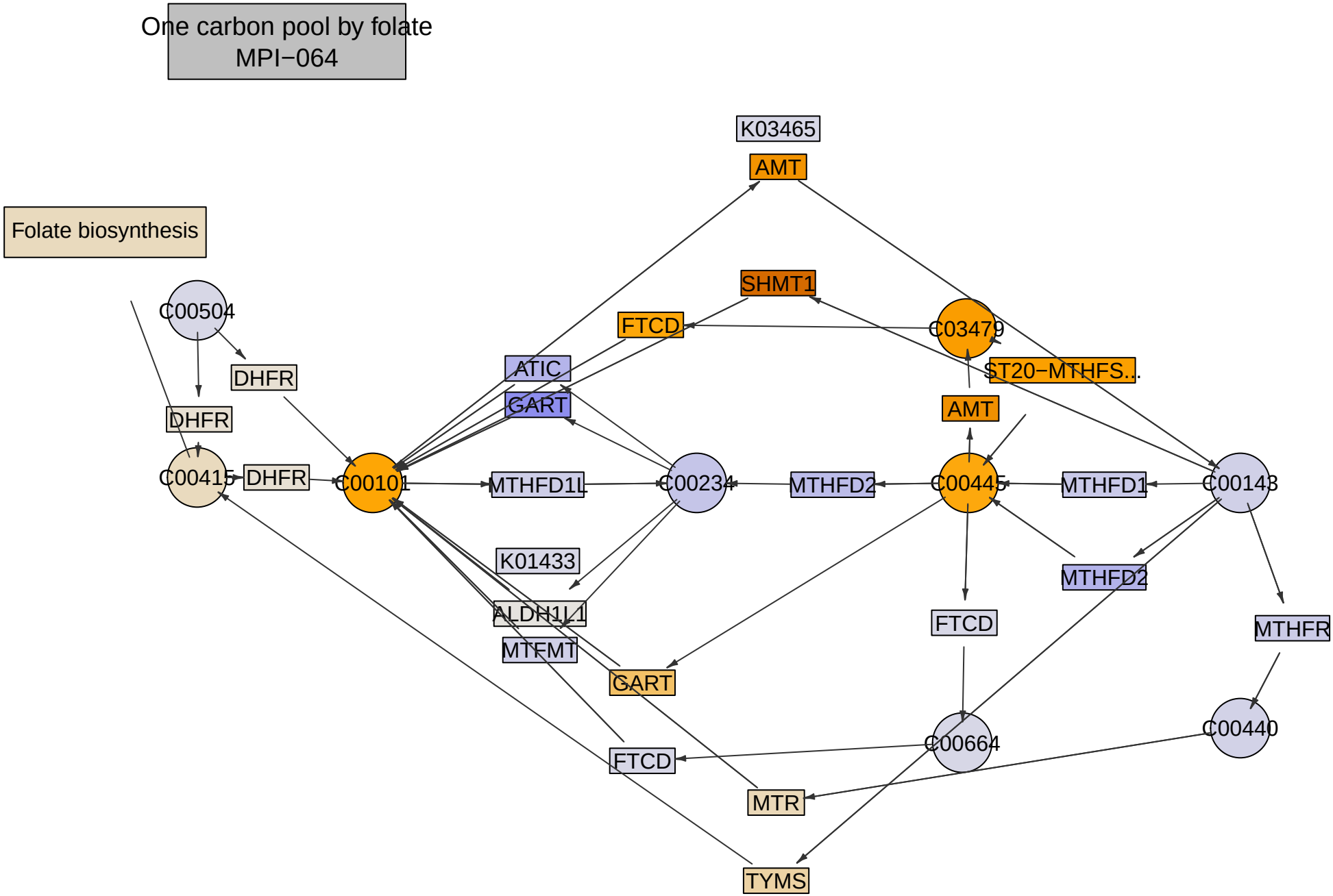
One carbon pool by folate
MPI−064
Folate biosynthesis
K03465
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SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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ALDH1L1
FTCD
MTHFR
MTFMT
GART
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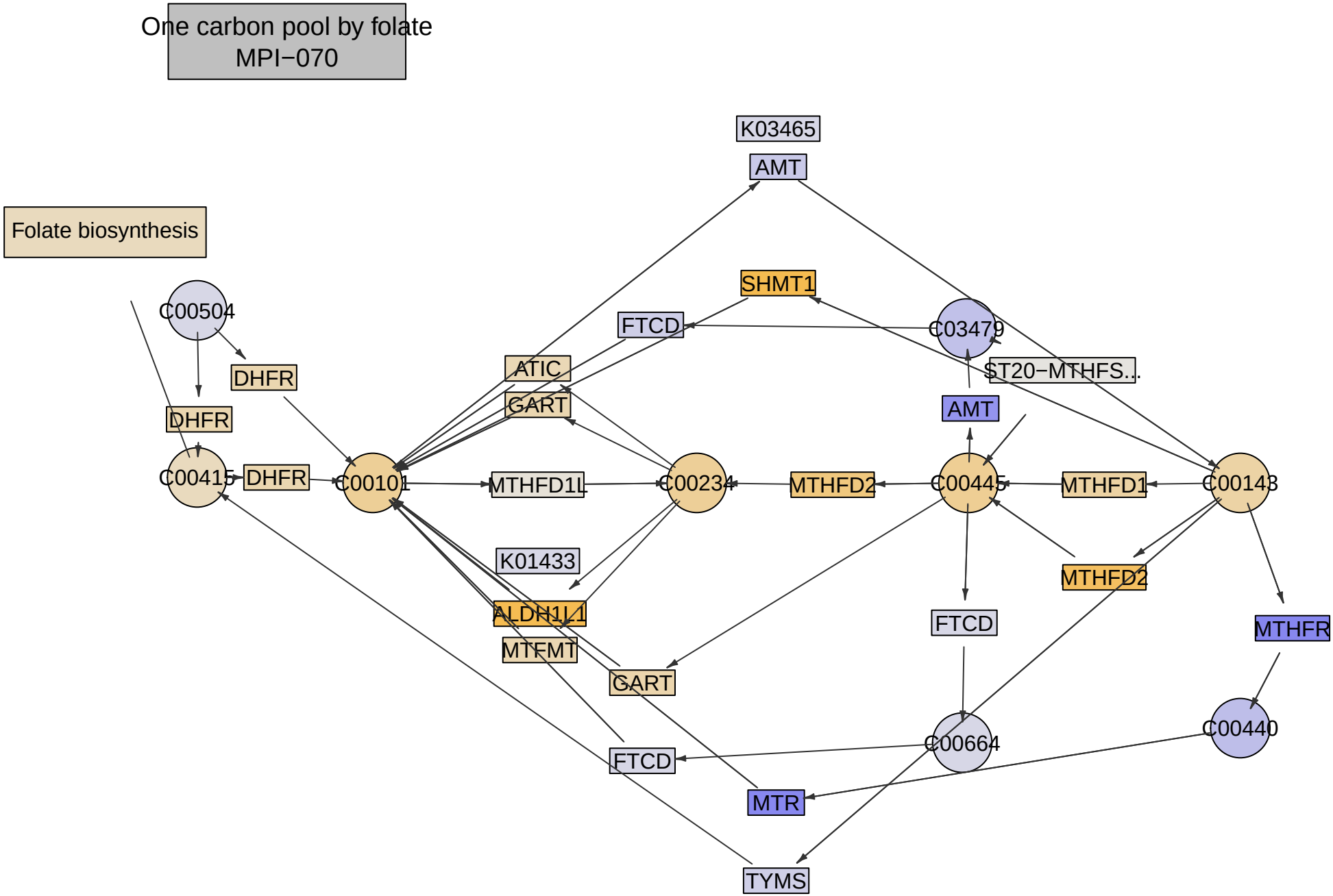
FTCD
MTR
TYMS


One carbon pool by folate
MPI−070
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
MTHFR
MTFMT
GART
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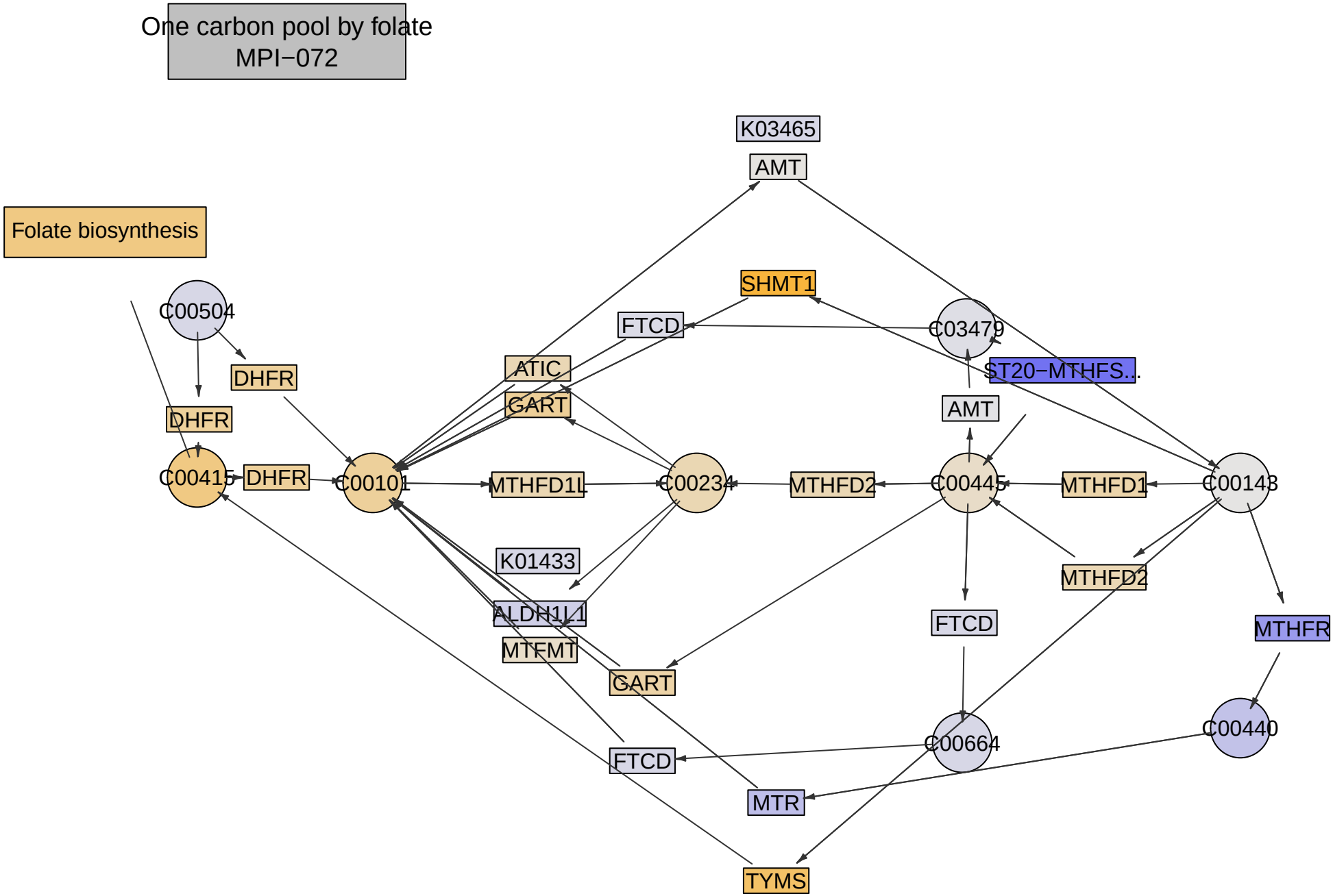
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−072
Folate biosynthesis
K03465
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SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
MTHFR
MTFMT
GART
C00440
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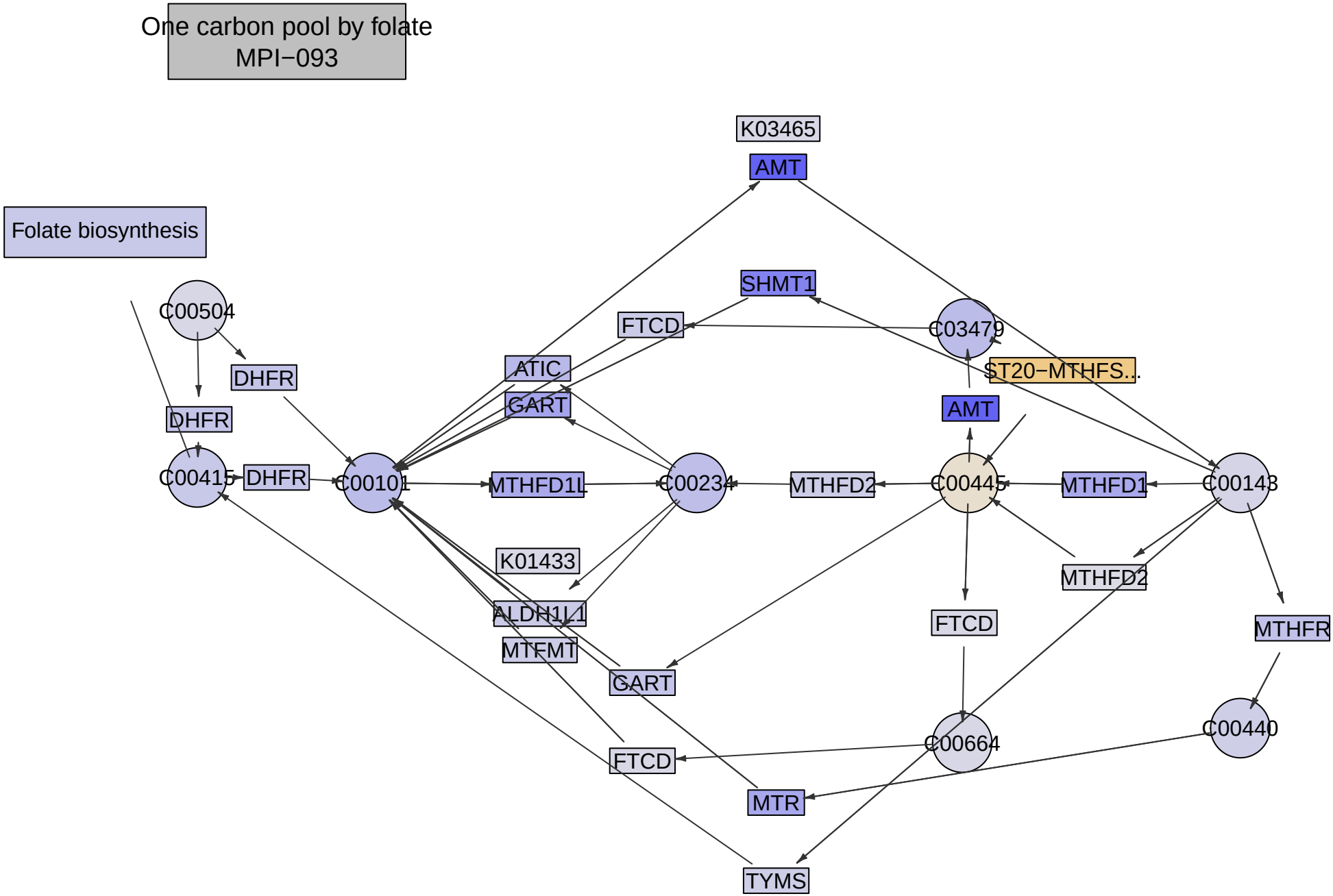
FTCD
MTR
TYMS


One carbon pool by folate
MPI−093
Folate biosynthesis
K03465
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SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
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MTFMT
GART
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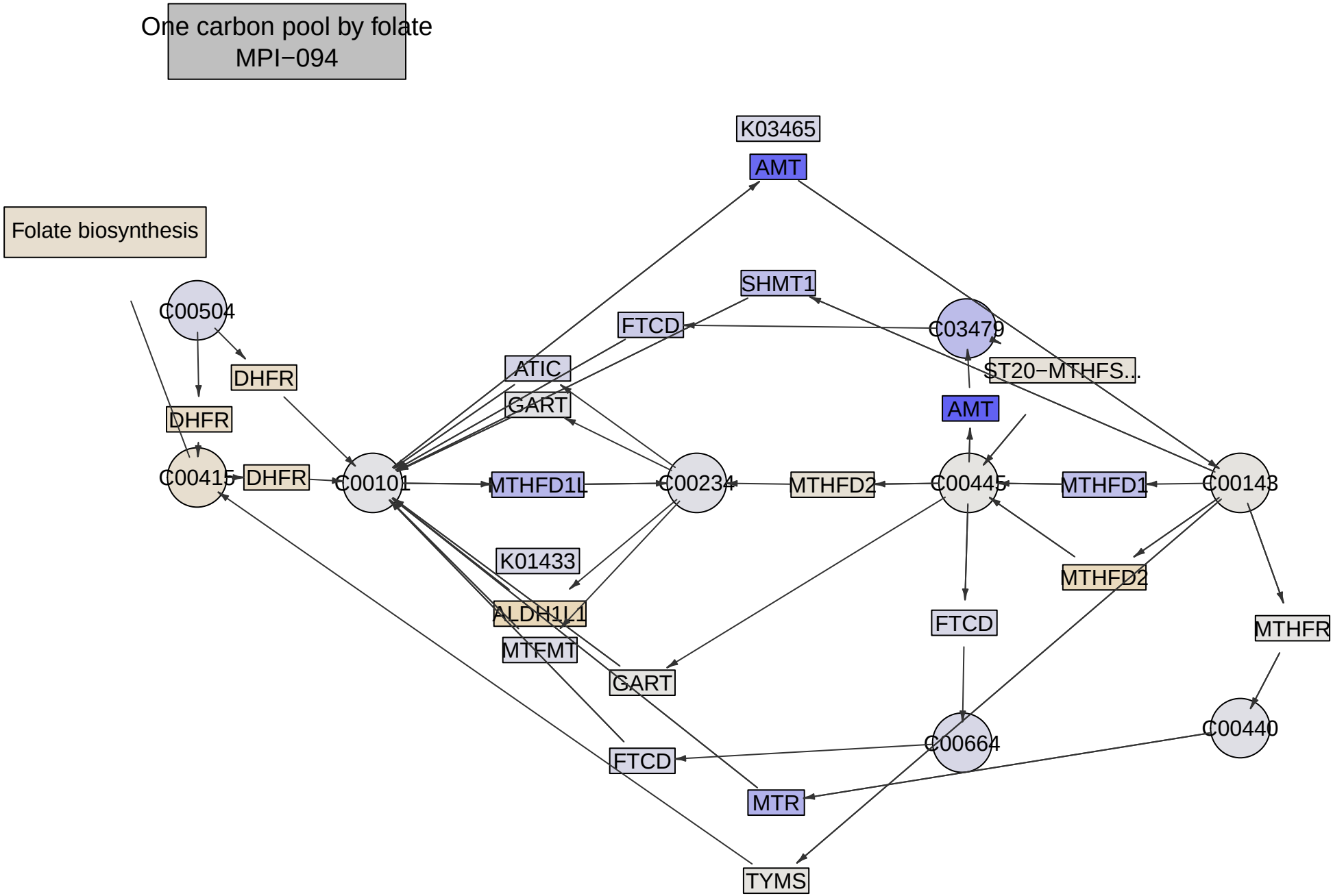
FTCD
MTR
TYMS


One carbon pool by folate
MPI−094
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
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ST20−MTHFS...
GART
AMT
C00504
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DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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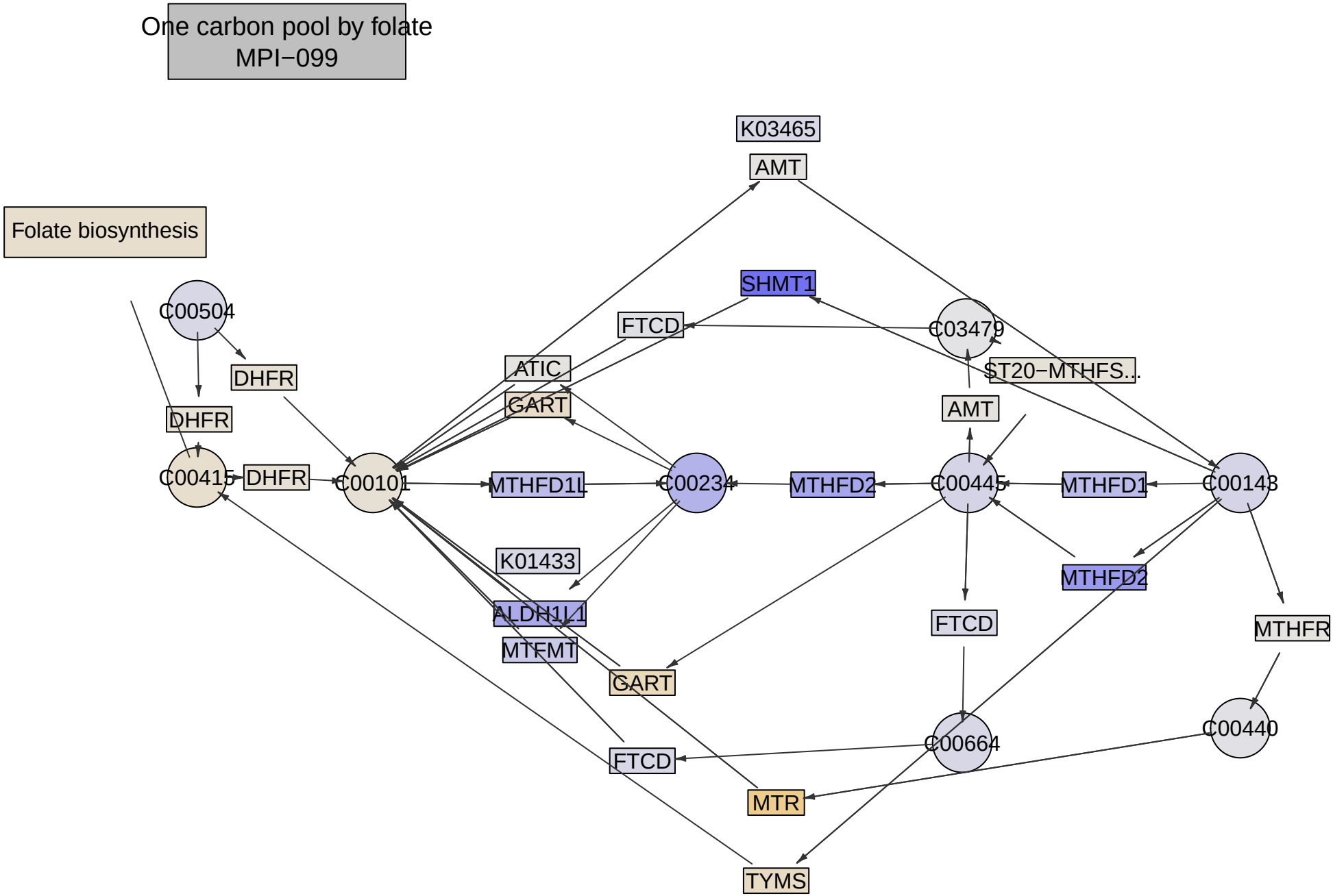
One carbon pool by folate
MPI−099
Folate biosynthesis
K03465
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FTCD
C03479
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ST20−MTHFS...
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AMT
C00504
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DHFR
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DHFR
C00101
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C00445
MTHFD1
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FTCD
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FTCD
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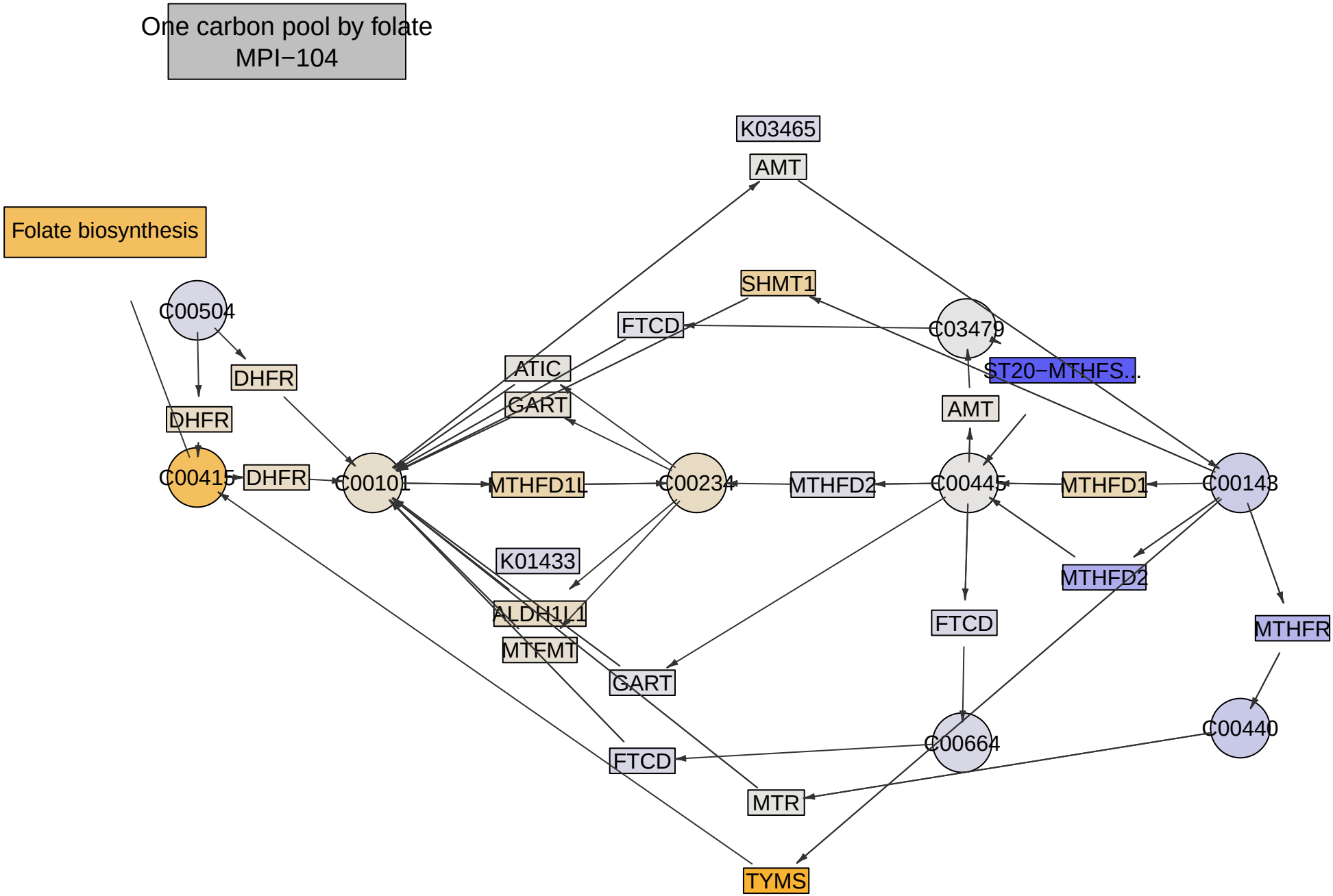
TYMS


One carbon pool by folate
MPI−104
Folate biosynthesis
K03465
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SHMT1
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C03479
ATIC
ST20−MTHFS...
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AMT
DHFR
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DHFR
C00101
MTHFD1L
C00234
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C00445
MTHFD1
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FTCD
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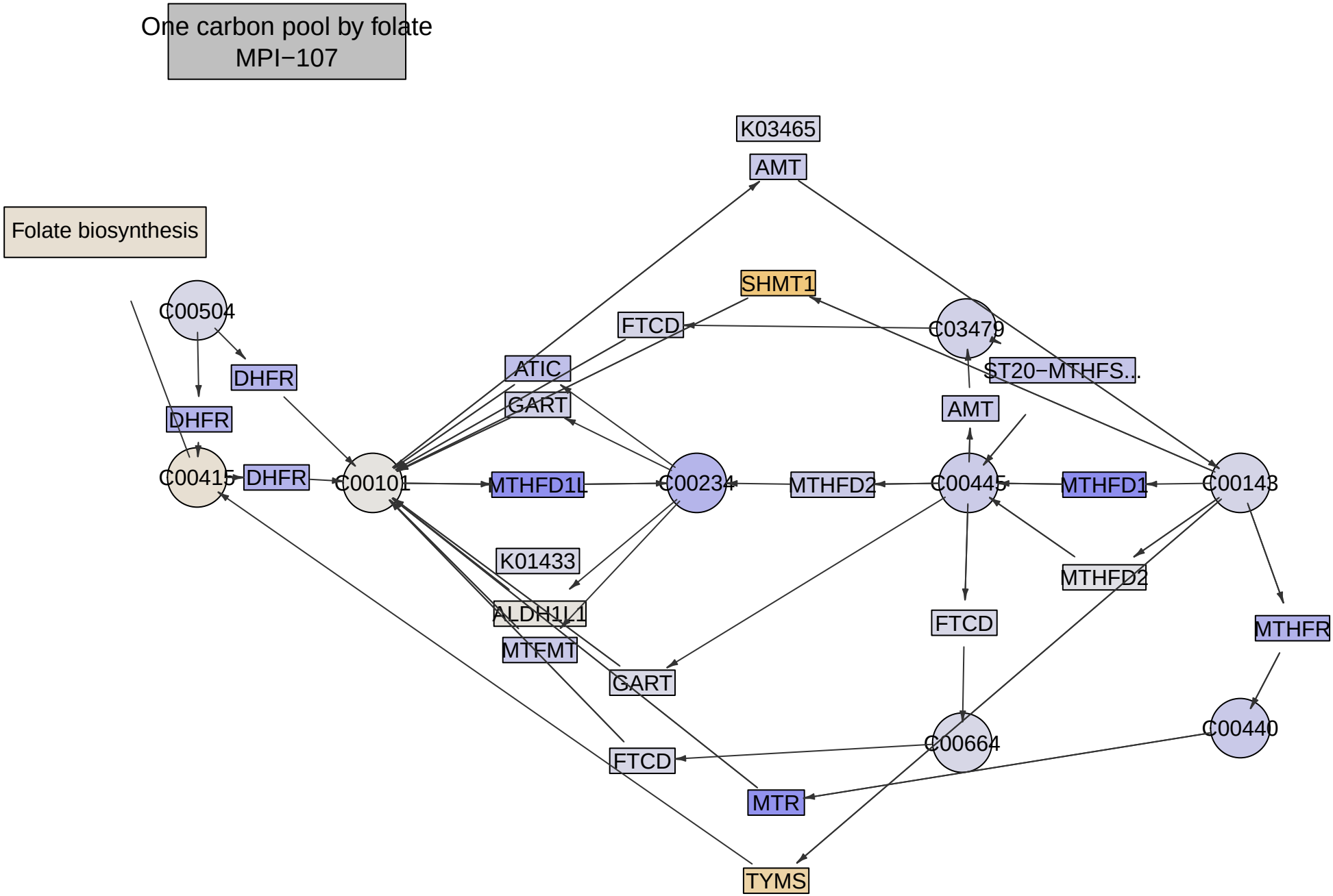
FTCD
MTR
TYMS


One carbon pool by folate
MPI−107
Folate biosynthesis
K03465
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SHMT1
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GART
AMT
C00504
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DHFR
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DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
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MTFMT
GART
C00440
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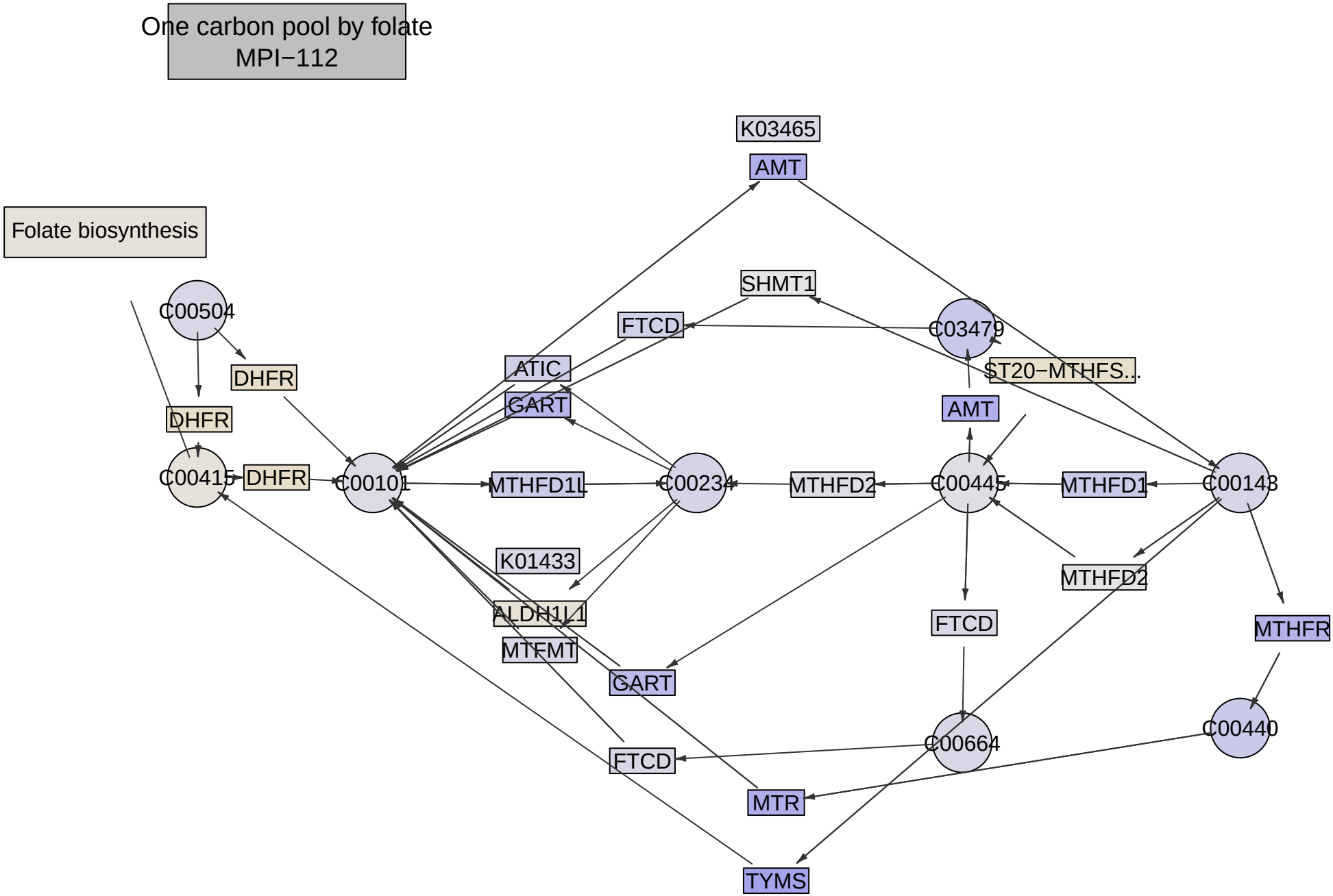
FTCD
MTR
TYMS


One carbon pool by folate
MPI−112
Folate biosynthesis
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AMT
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DHFR
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DHFR
C00101
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C00234
MTHFD2
C00445
MTHFD1
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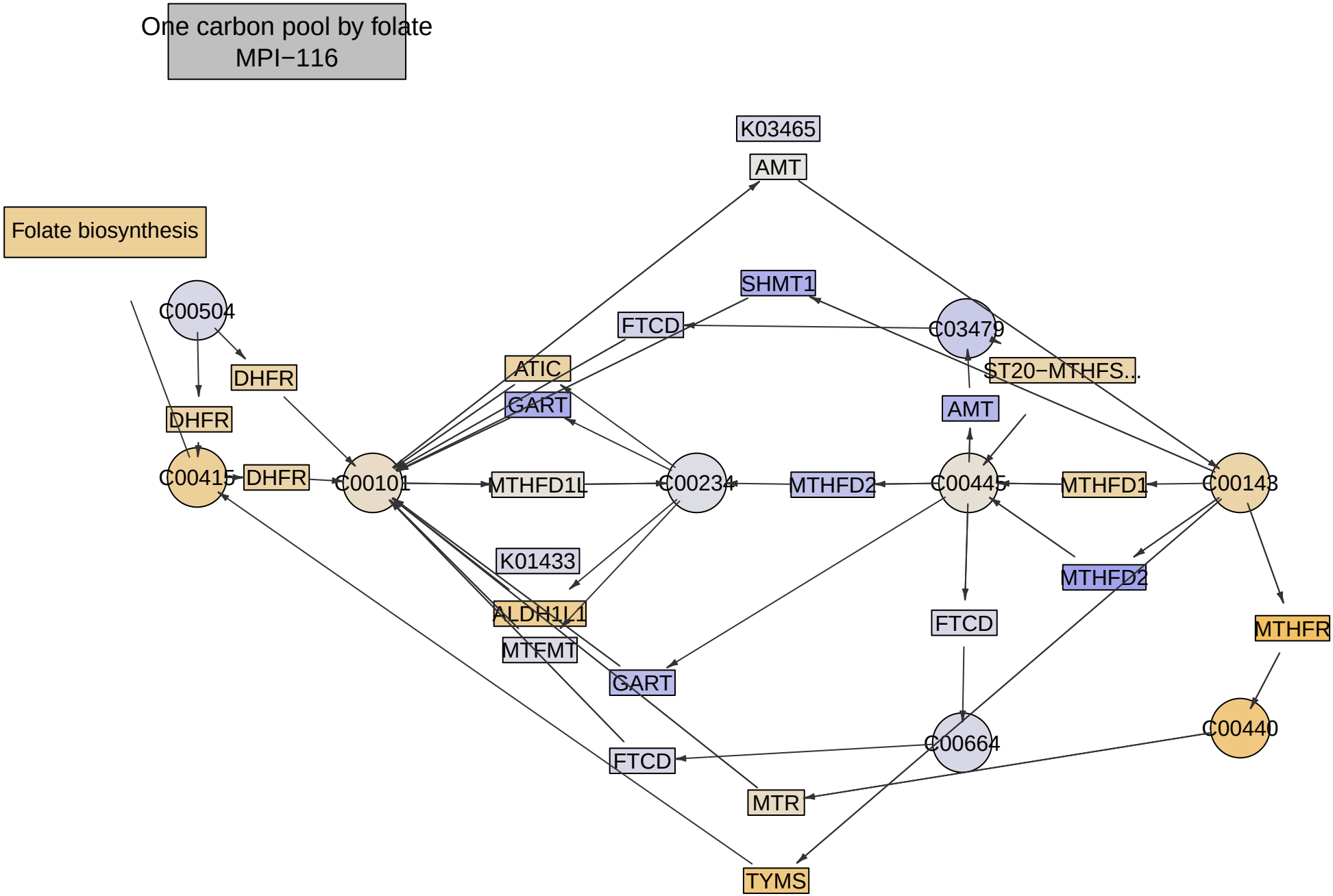
One carbon pool by folate
MPI−116
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
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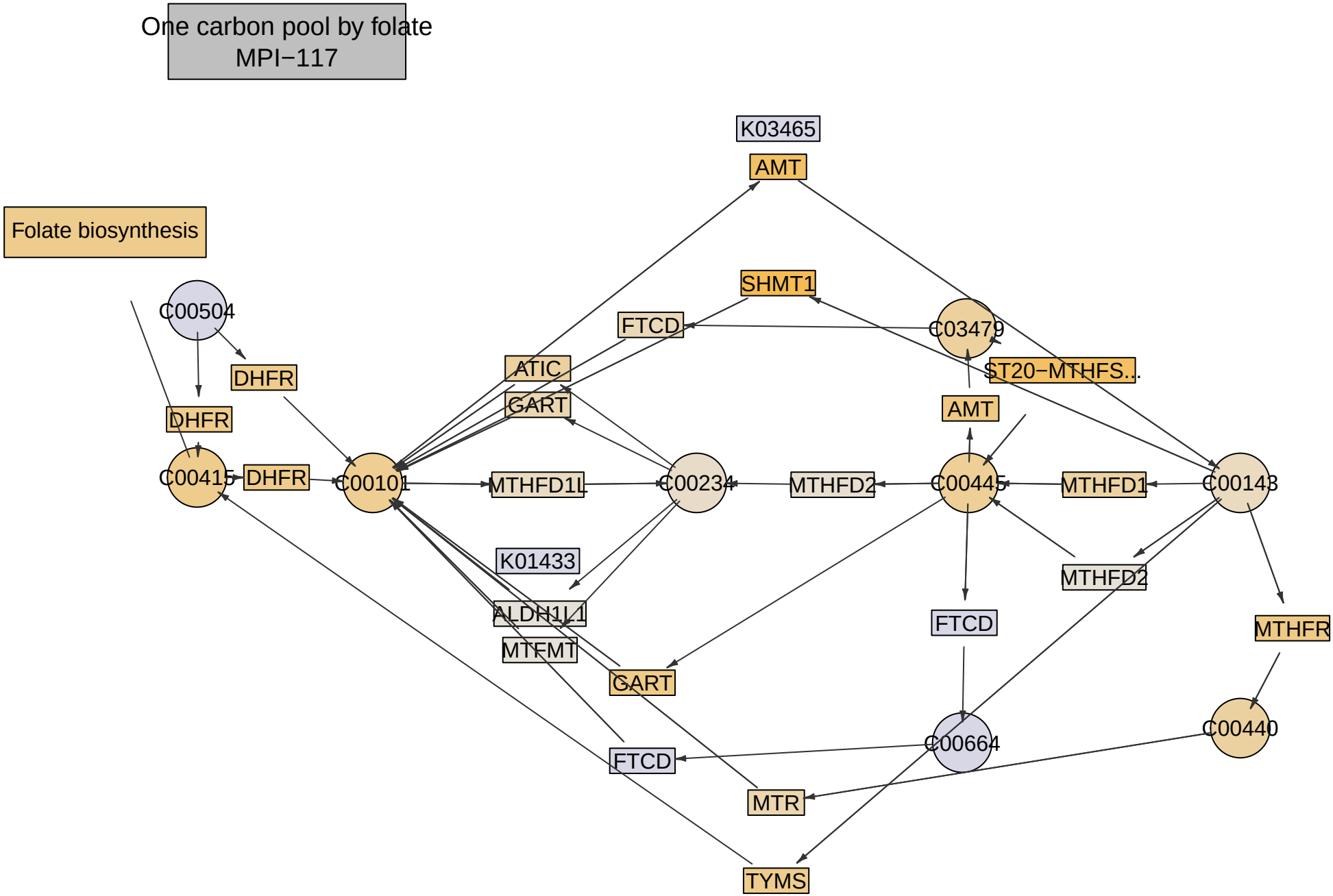
FTCD
MTR
TYMS


One carbon pool by folate
MPI−117
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
GART
ST20−MTHFS...
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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MTFMT
GART
MTHFD2
FTCD
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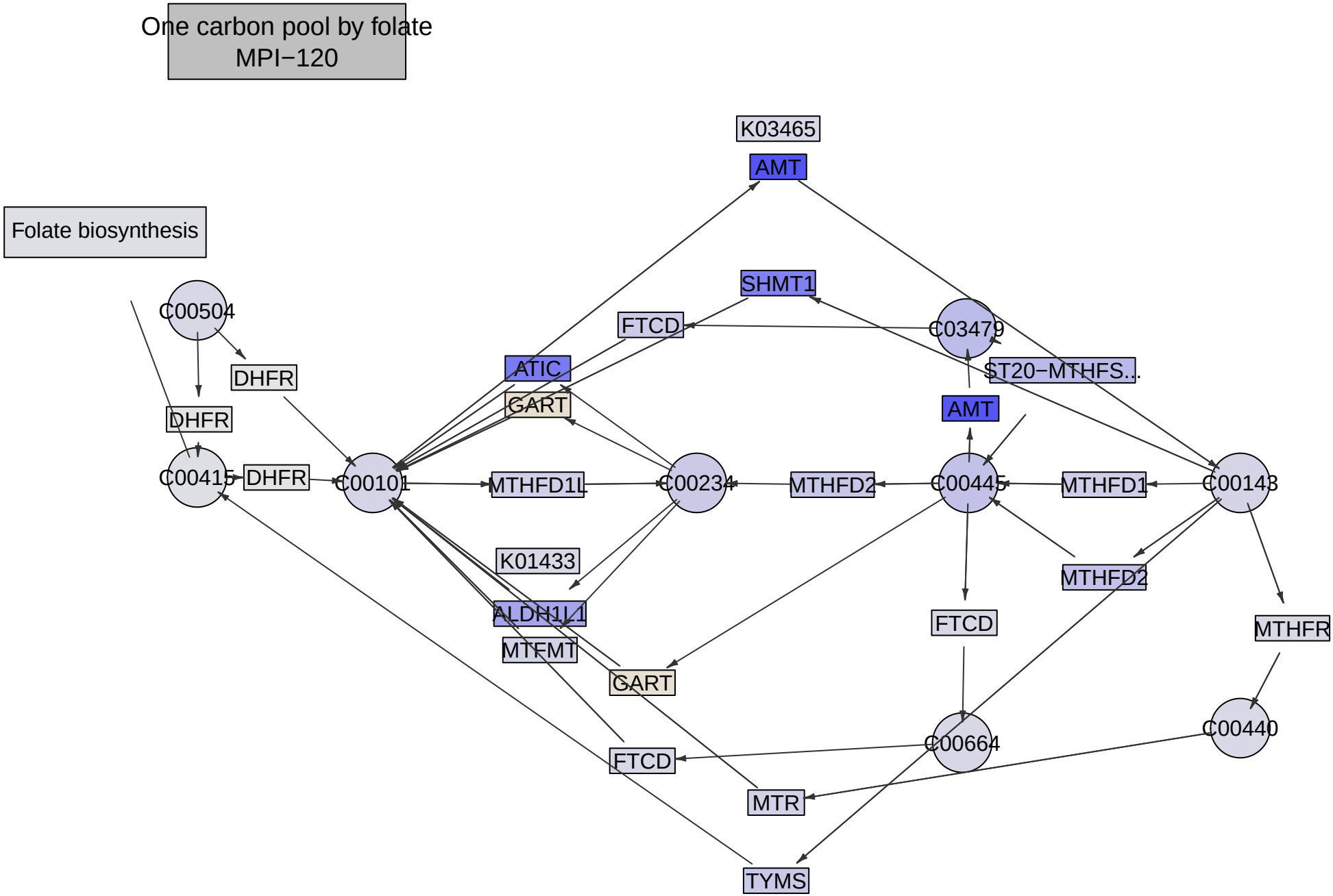
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−120
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
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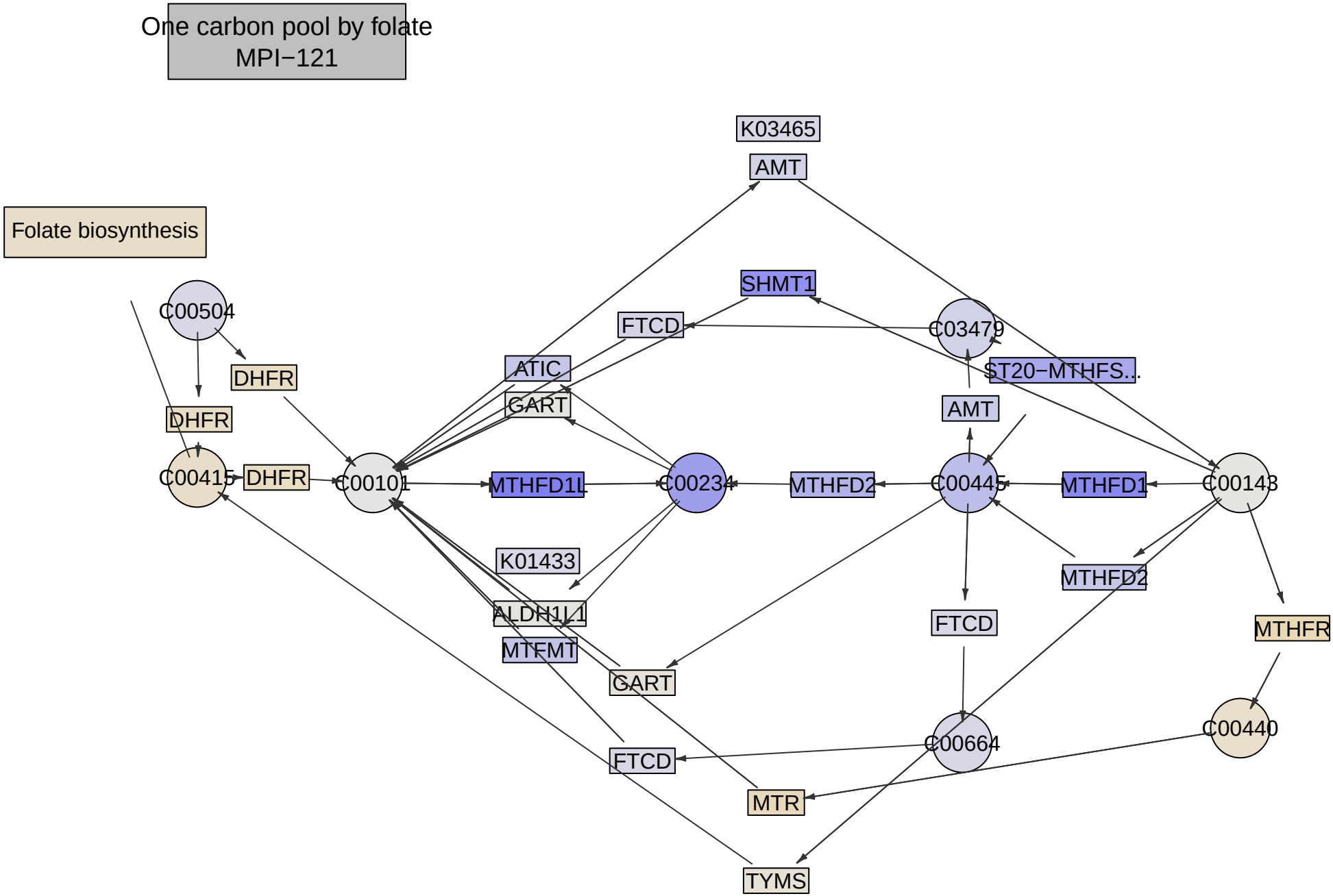
FTCD
MTR
TYMS


One carbon pool by folate
MPI−121
Folate biosynthesis
K03465
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SHMT1
FTCD
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ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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ALDH1L1
FTCD
MTHFR
MTFMT
GART
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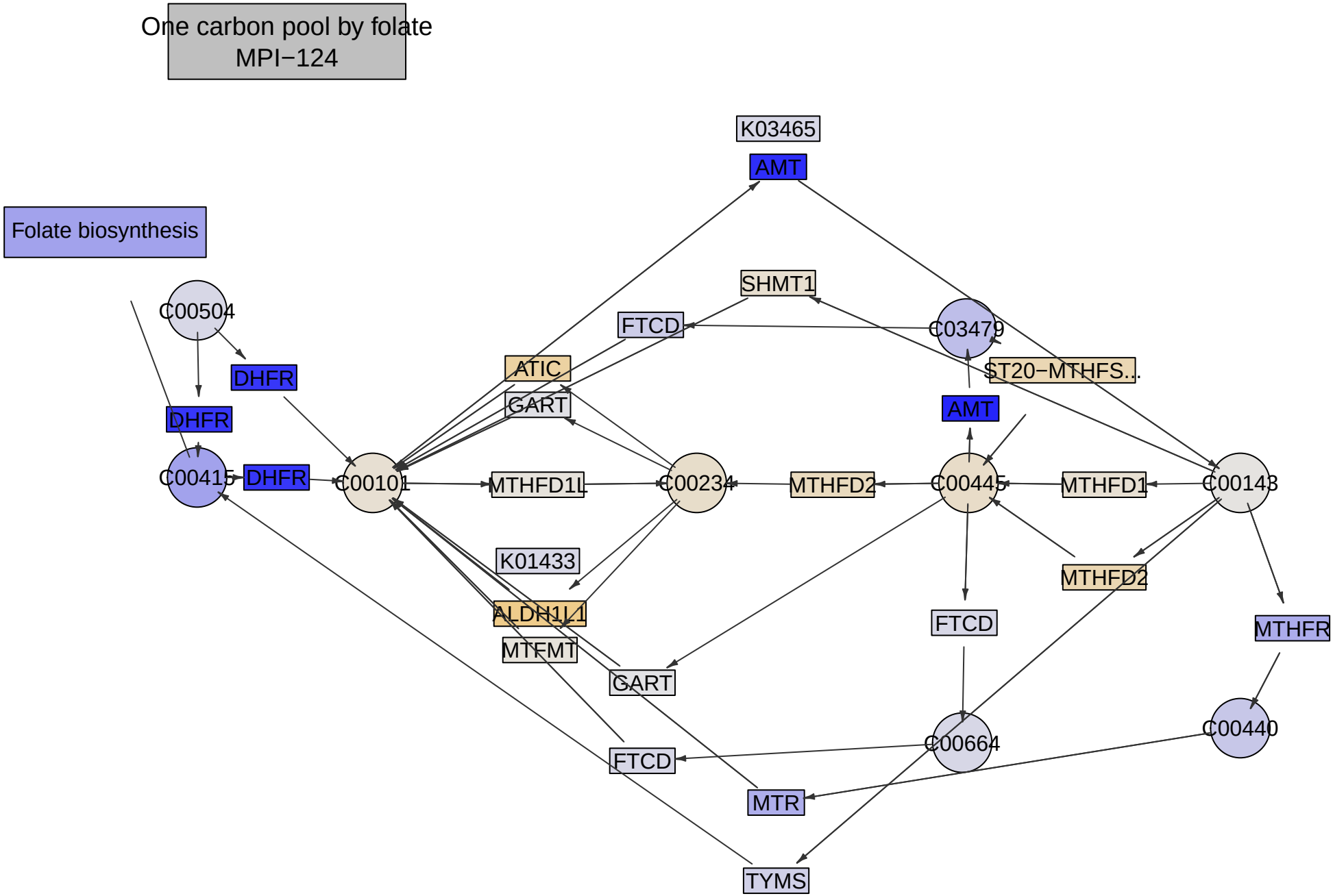
MTR
TYMS


One carbon pool by folate
MPI−124
Folate biosynthesis
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SHMT1
FTCD
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ST20−MTHFS...
GART
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DHFR
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DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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ALDH1L1
FTCD
MTHFR
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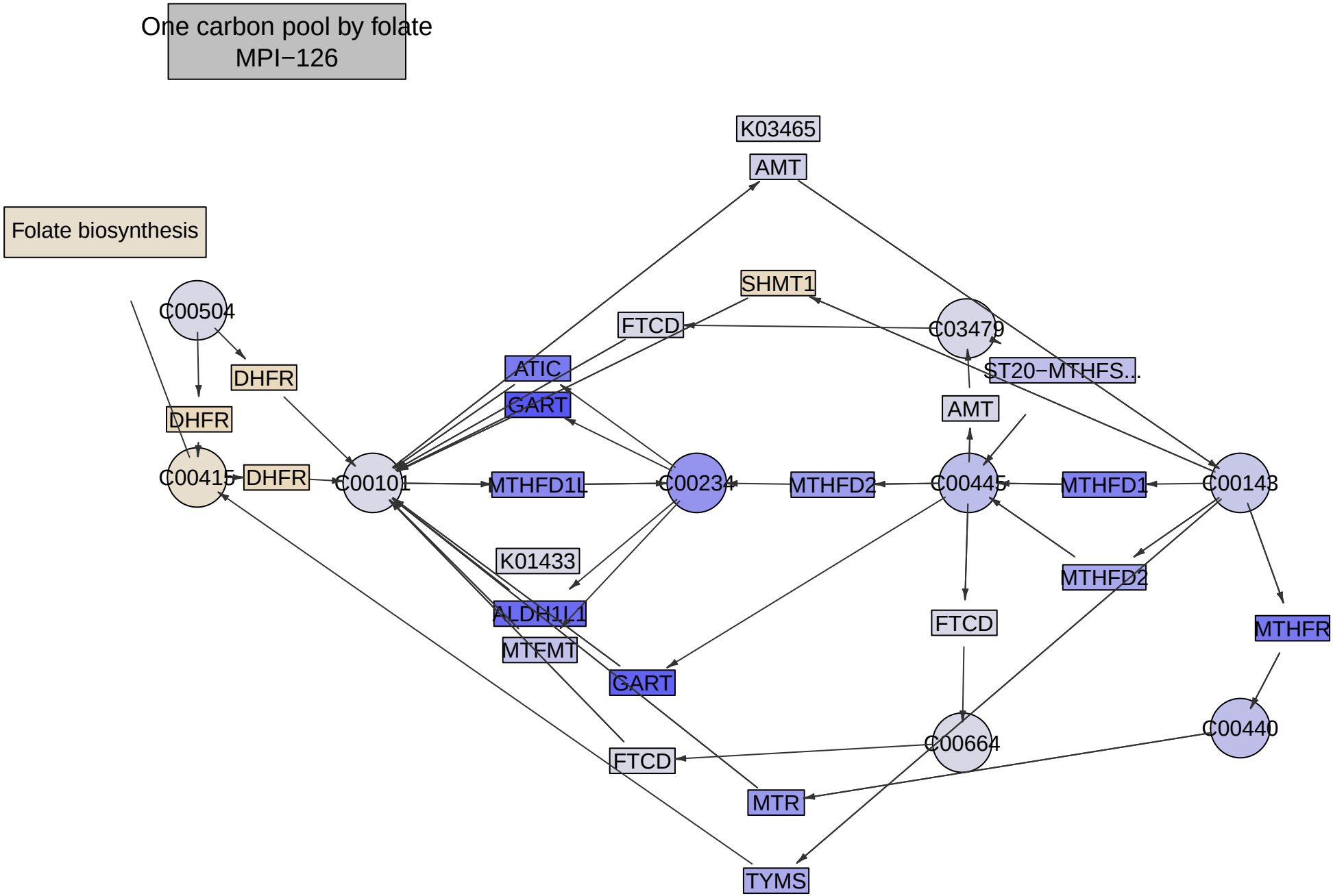
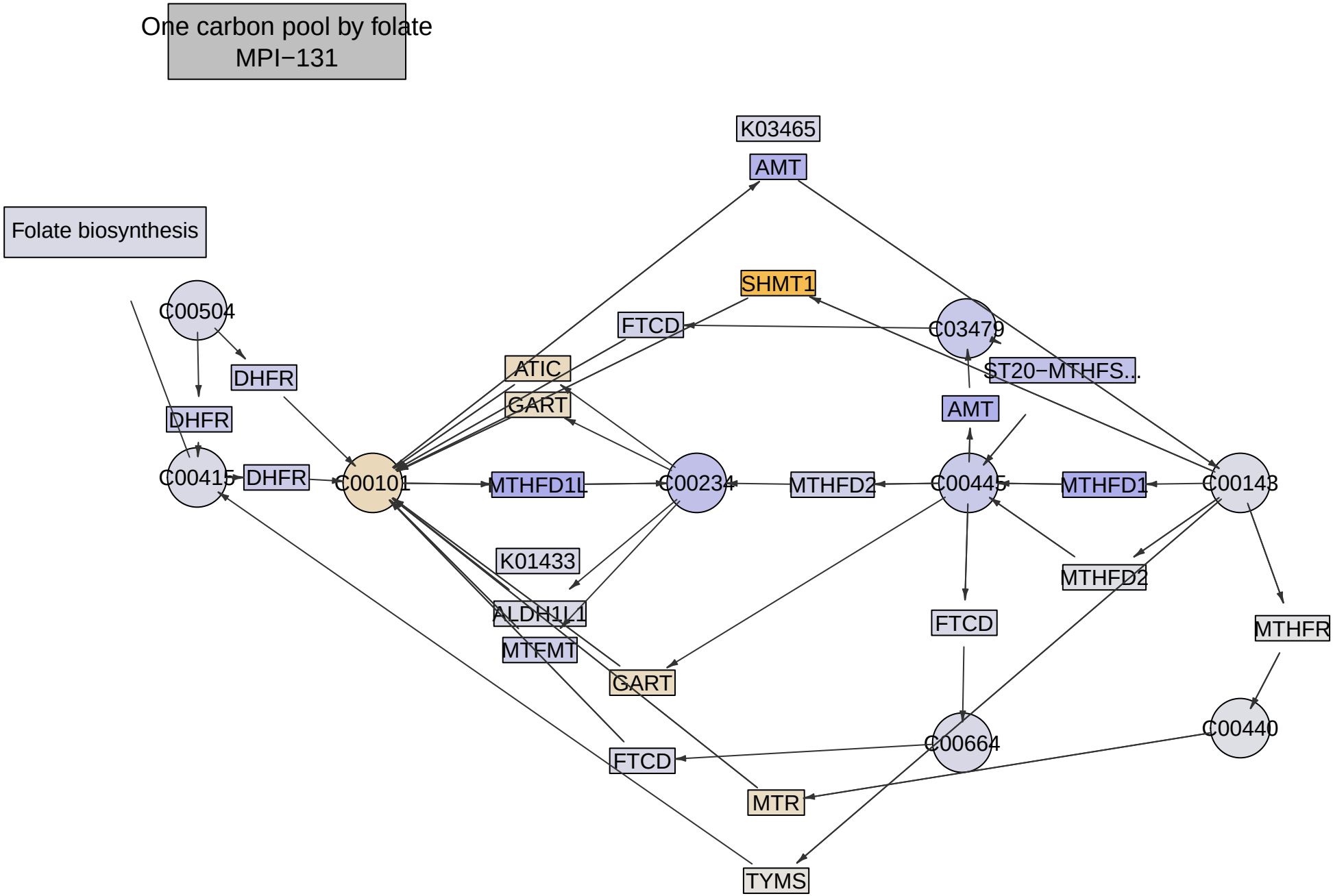
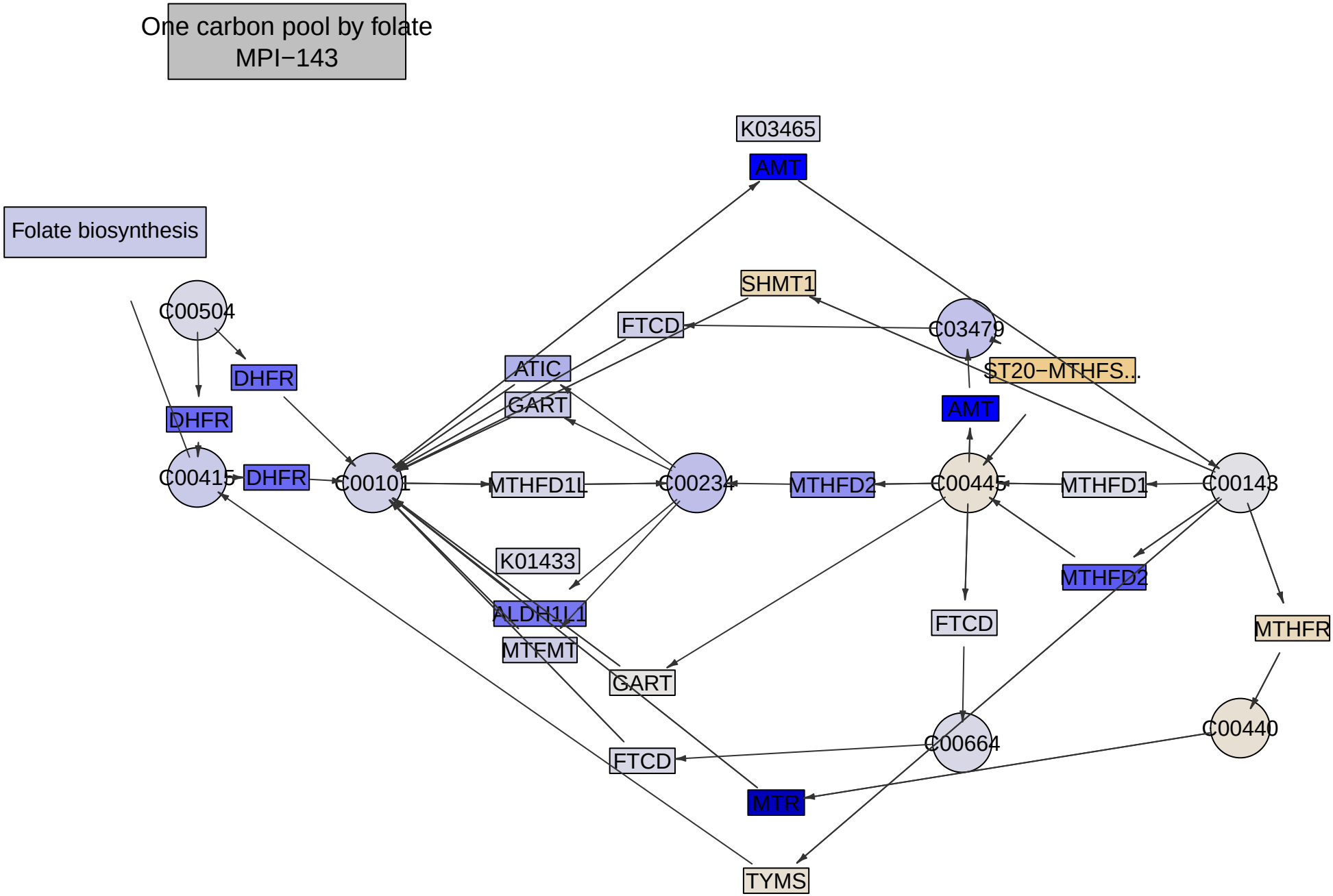
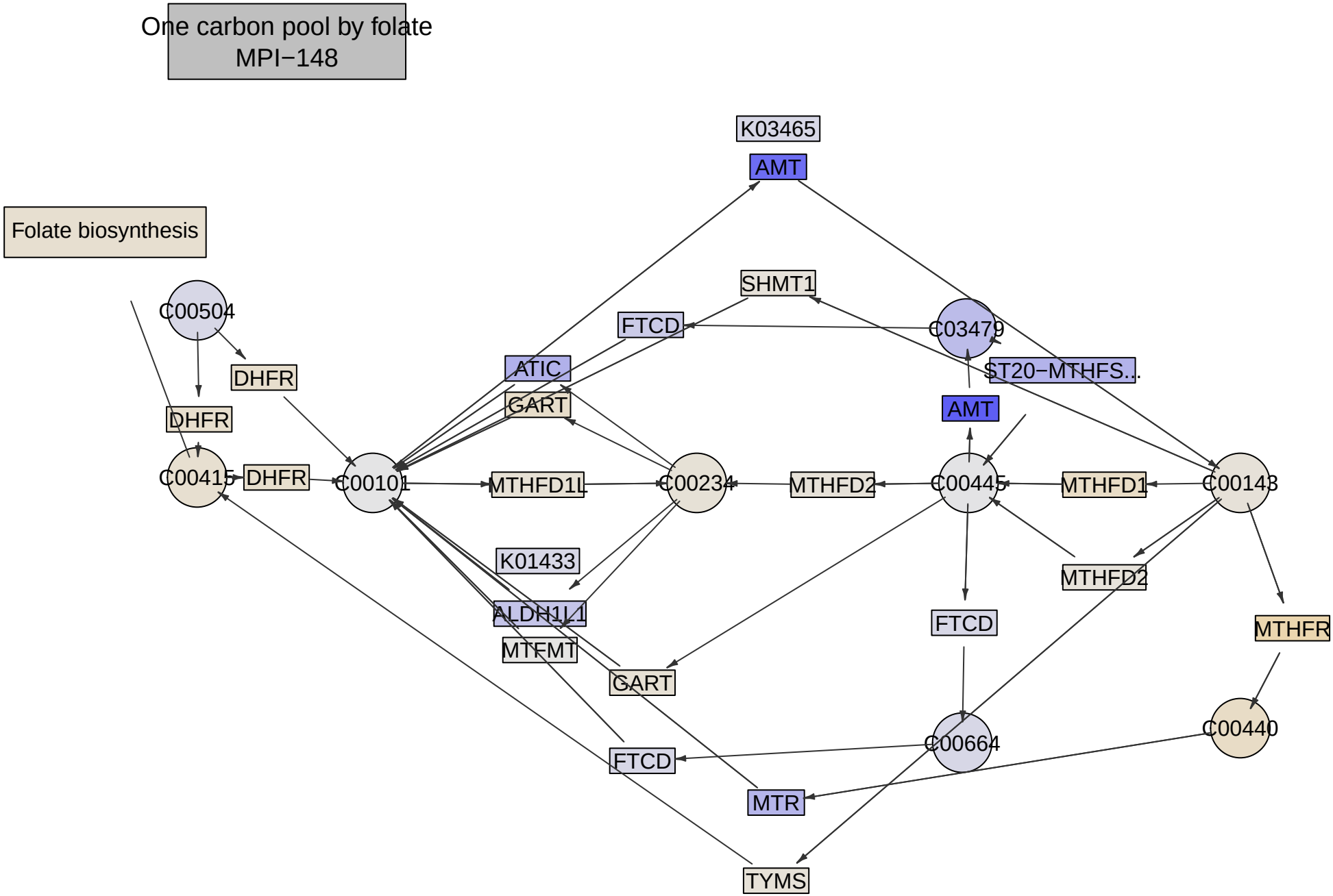
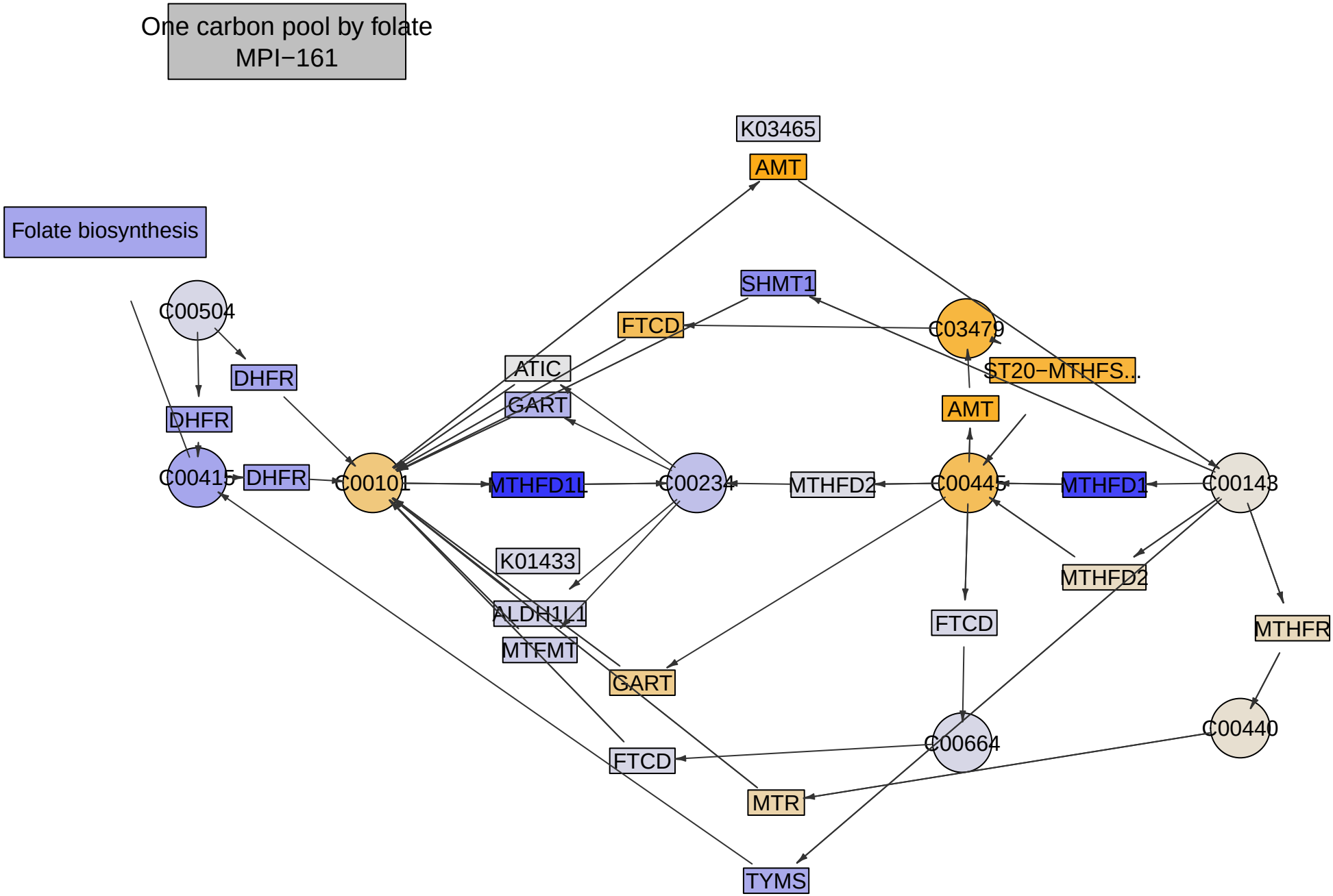
GART
C00440
C00664
FTCD
MTR
TYMS

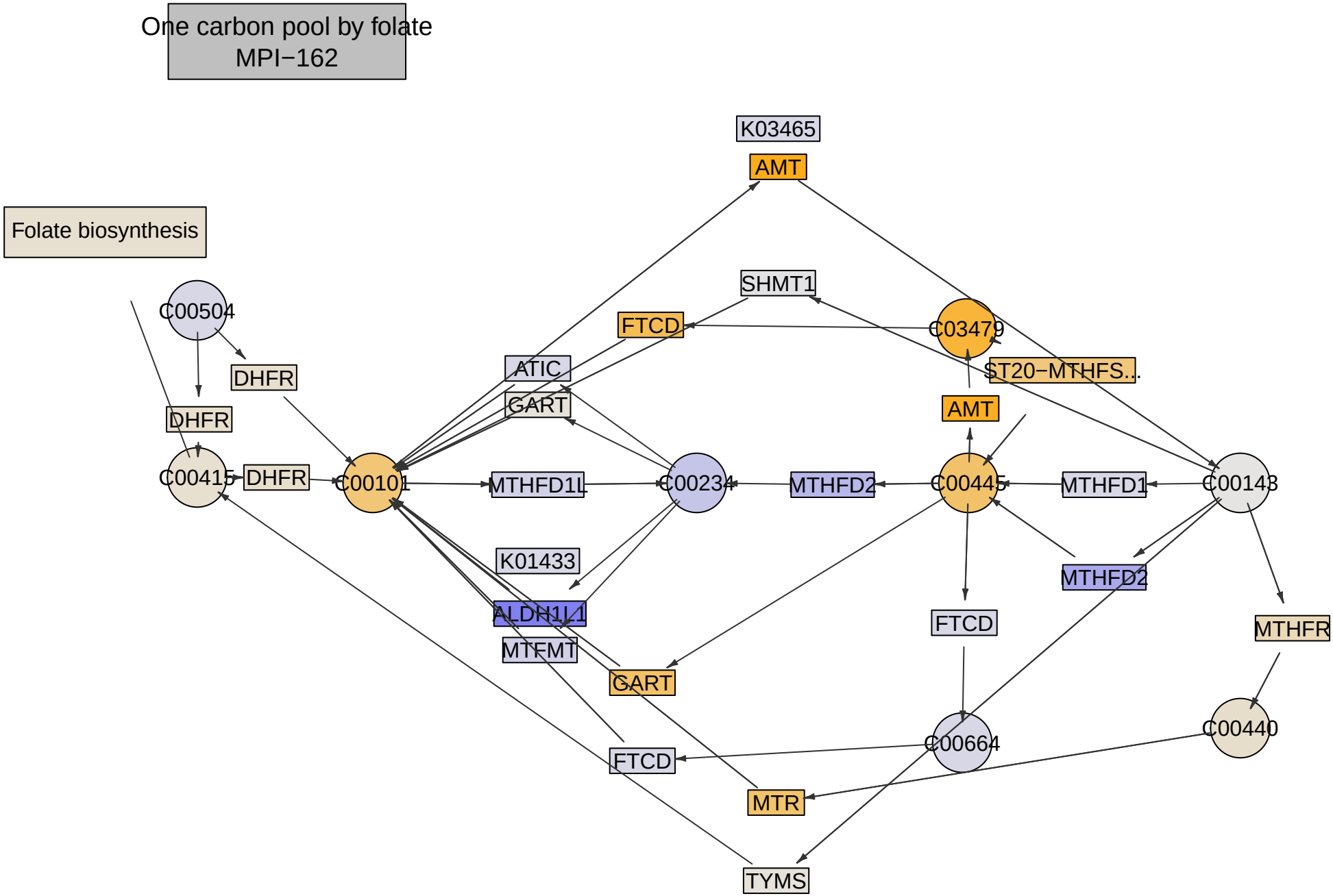

One carbon pool by folate
MPI−126
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
C00440
FTCD
MTR
TYMS

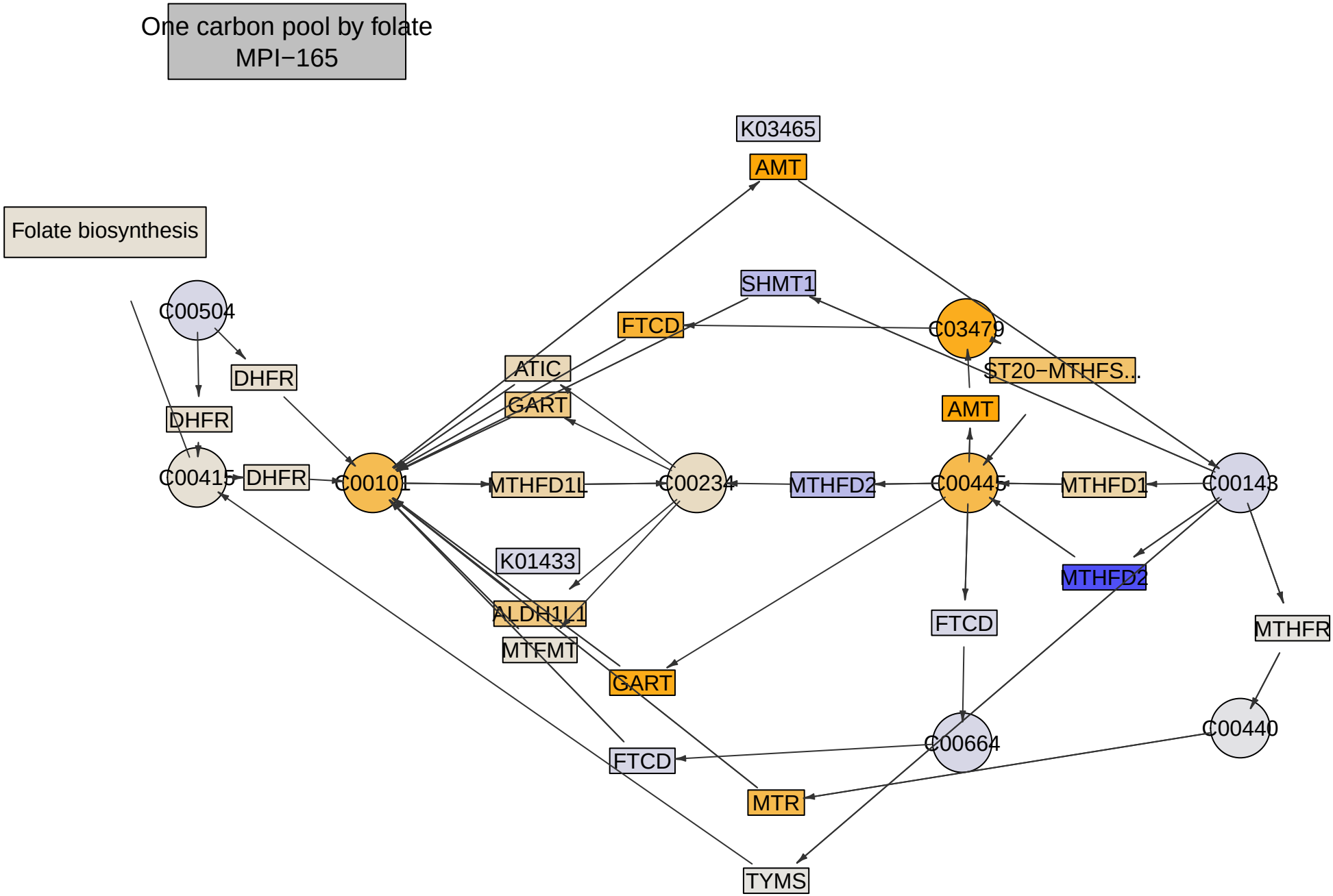

One carbon pool by folate
MPI−131
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

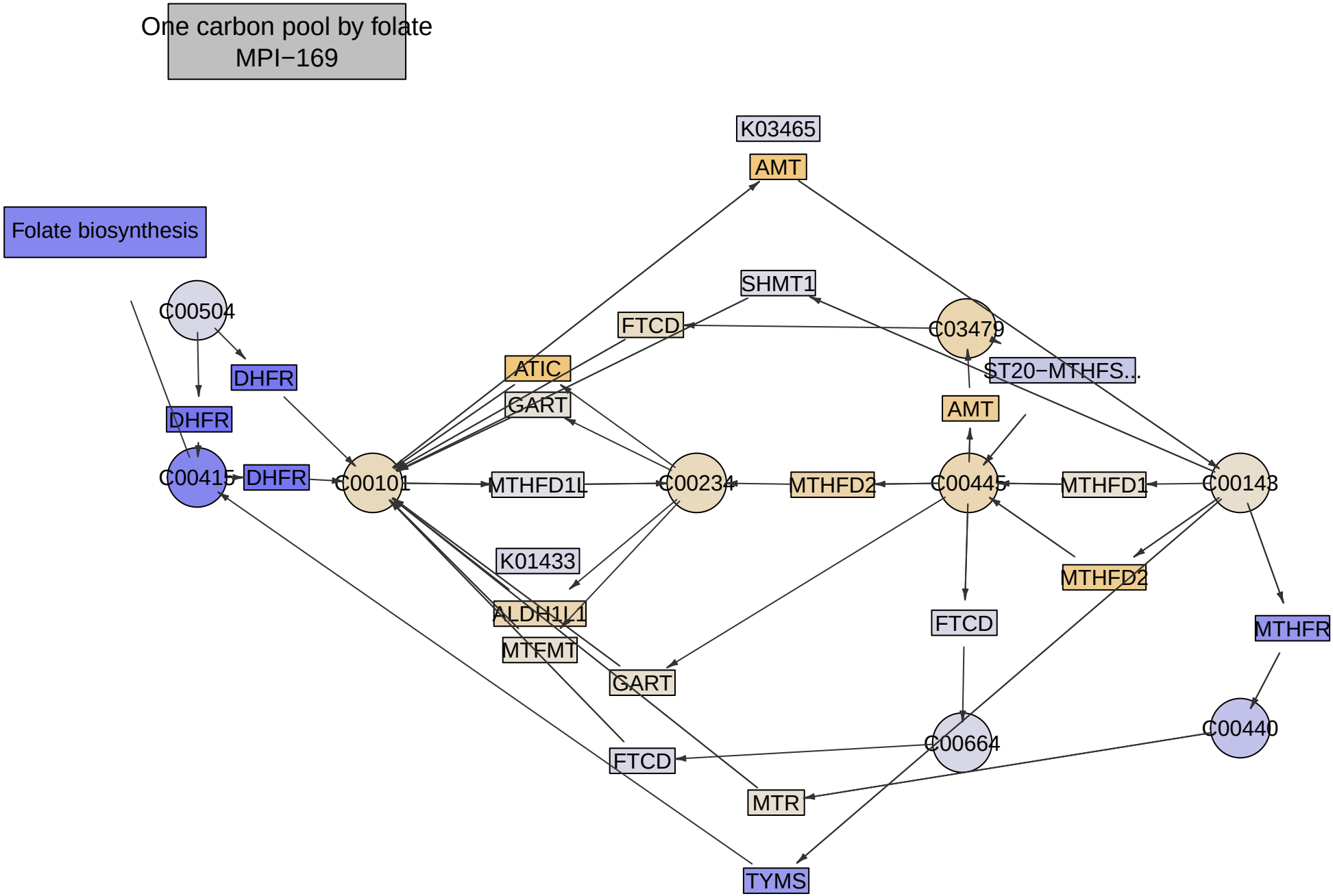

One carbon pool by folate
MPI−143
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

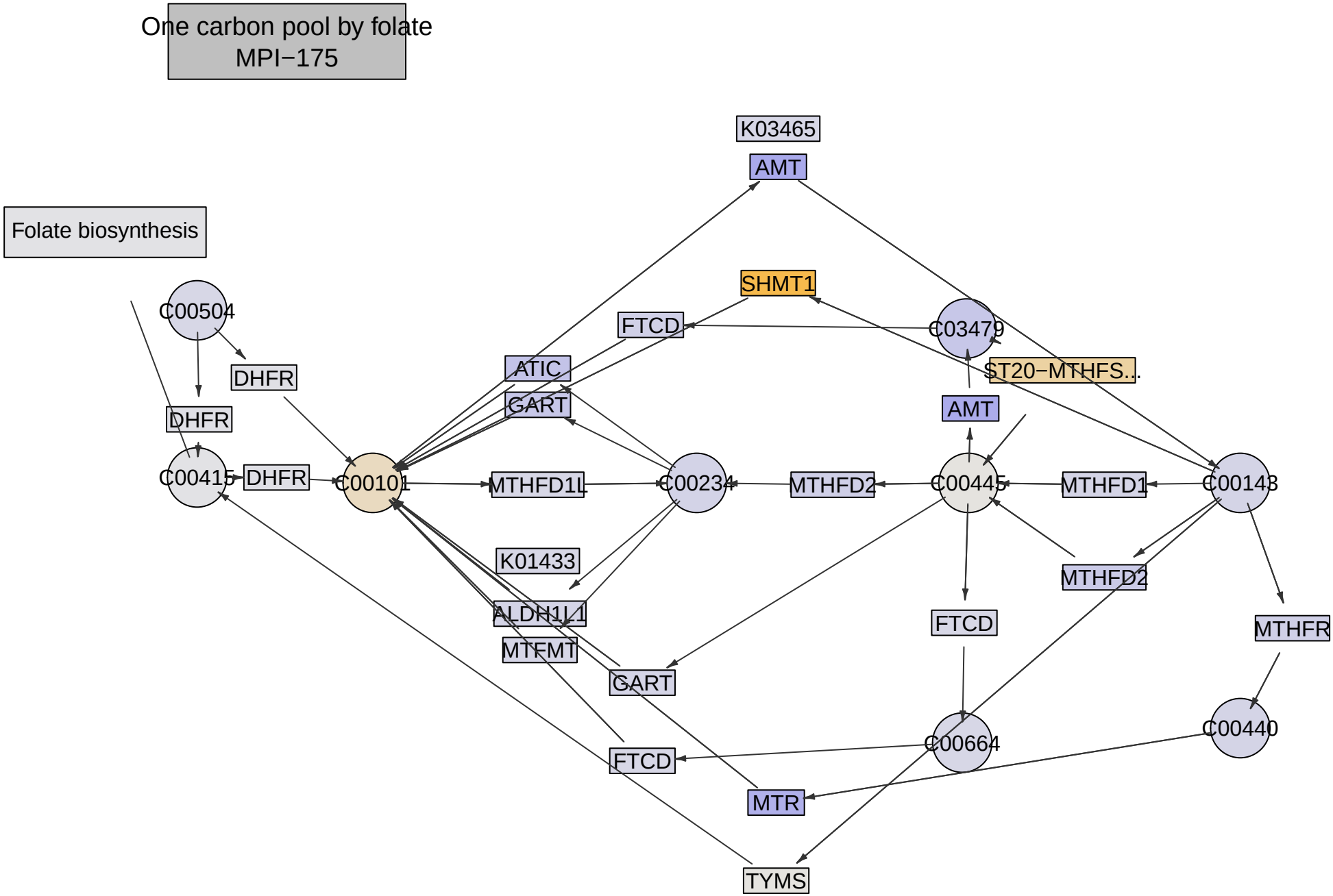

One carbon pool by folate
MPI−148
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

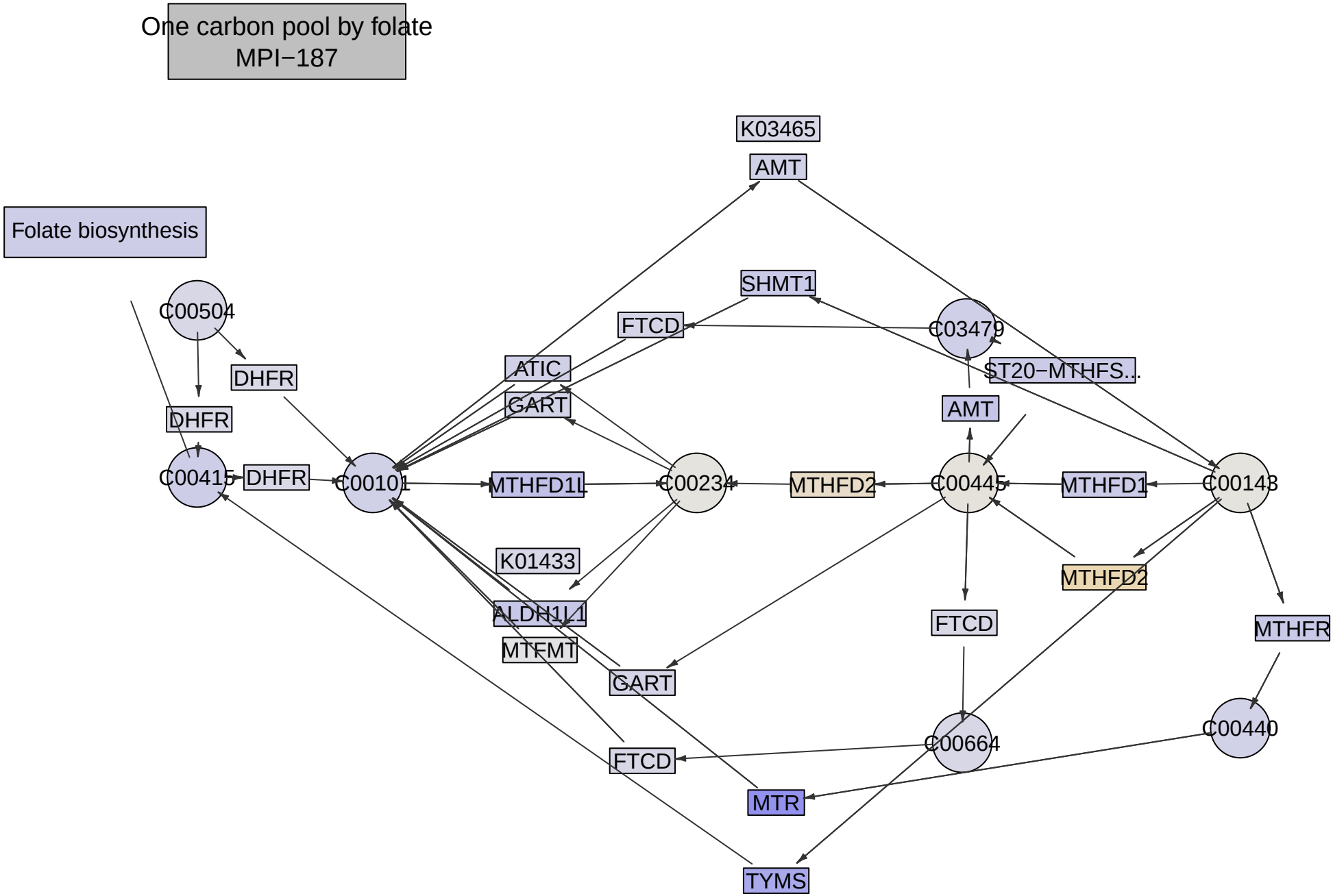

One carbon pool by folate
MPI−161
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

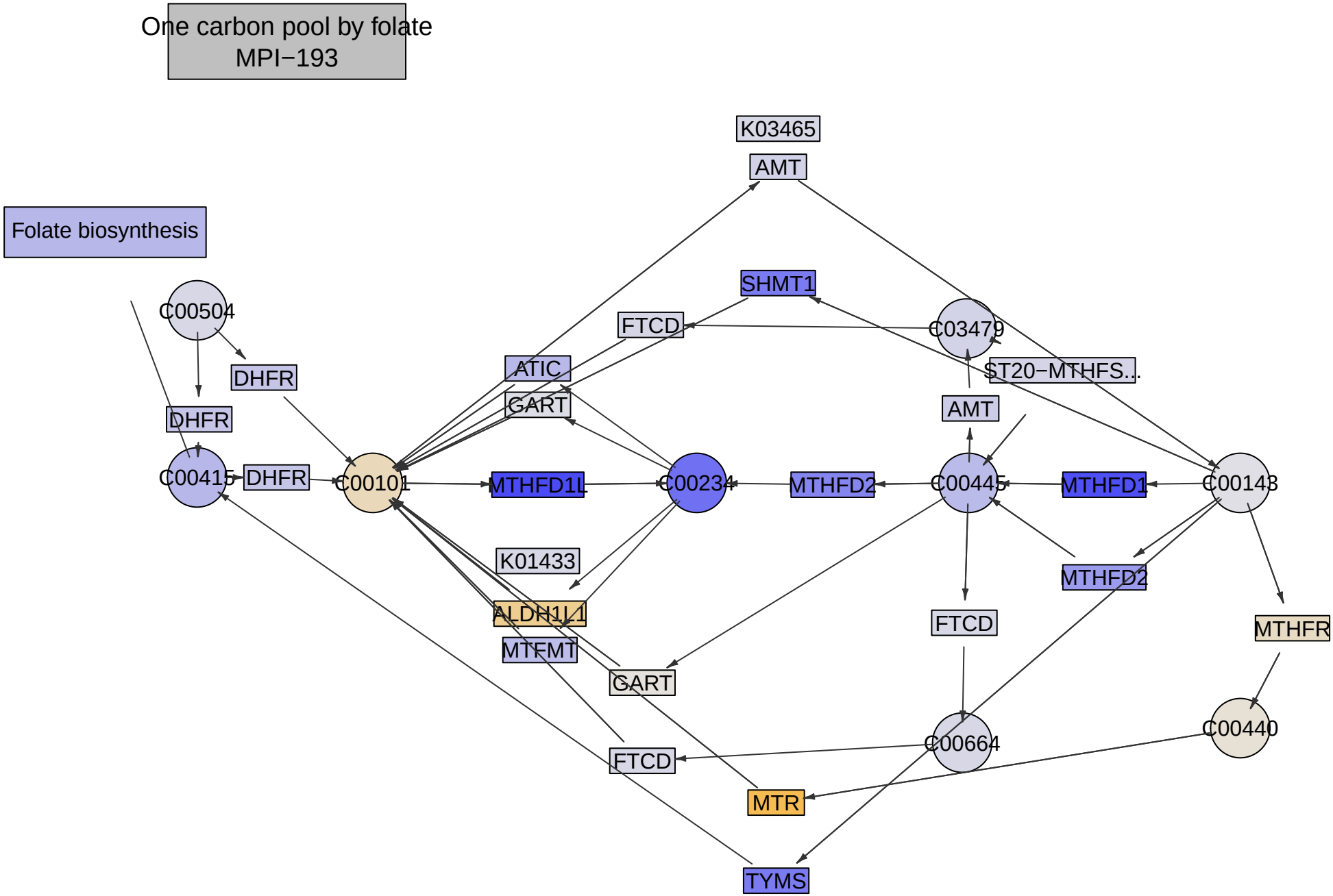

One carbon pool by folate
MPI−162
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

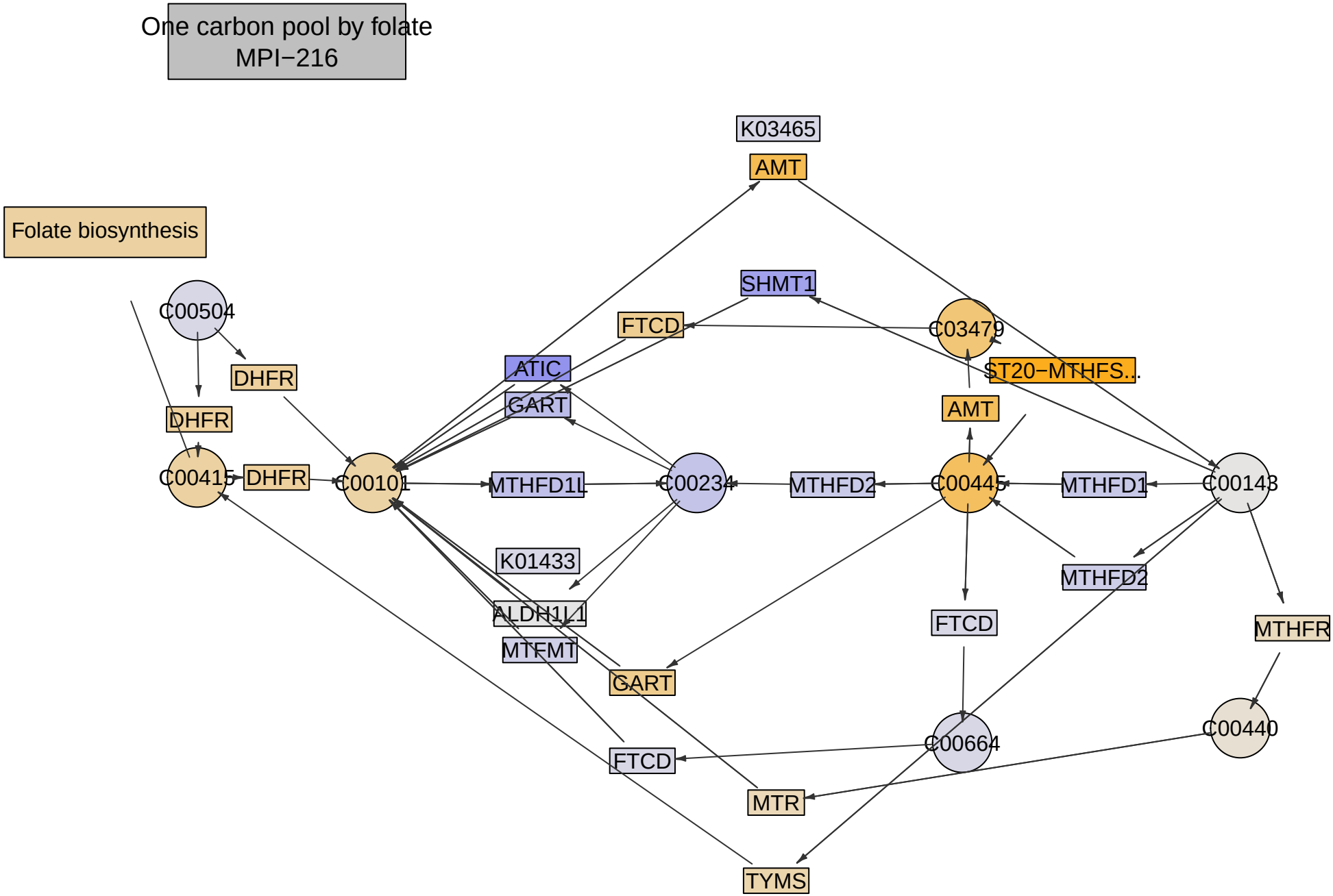

One carbon pool by folate
MPI−165
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

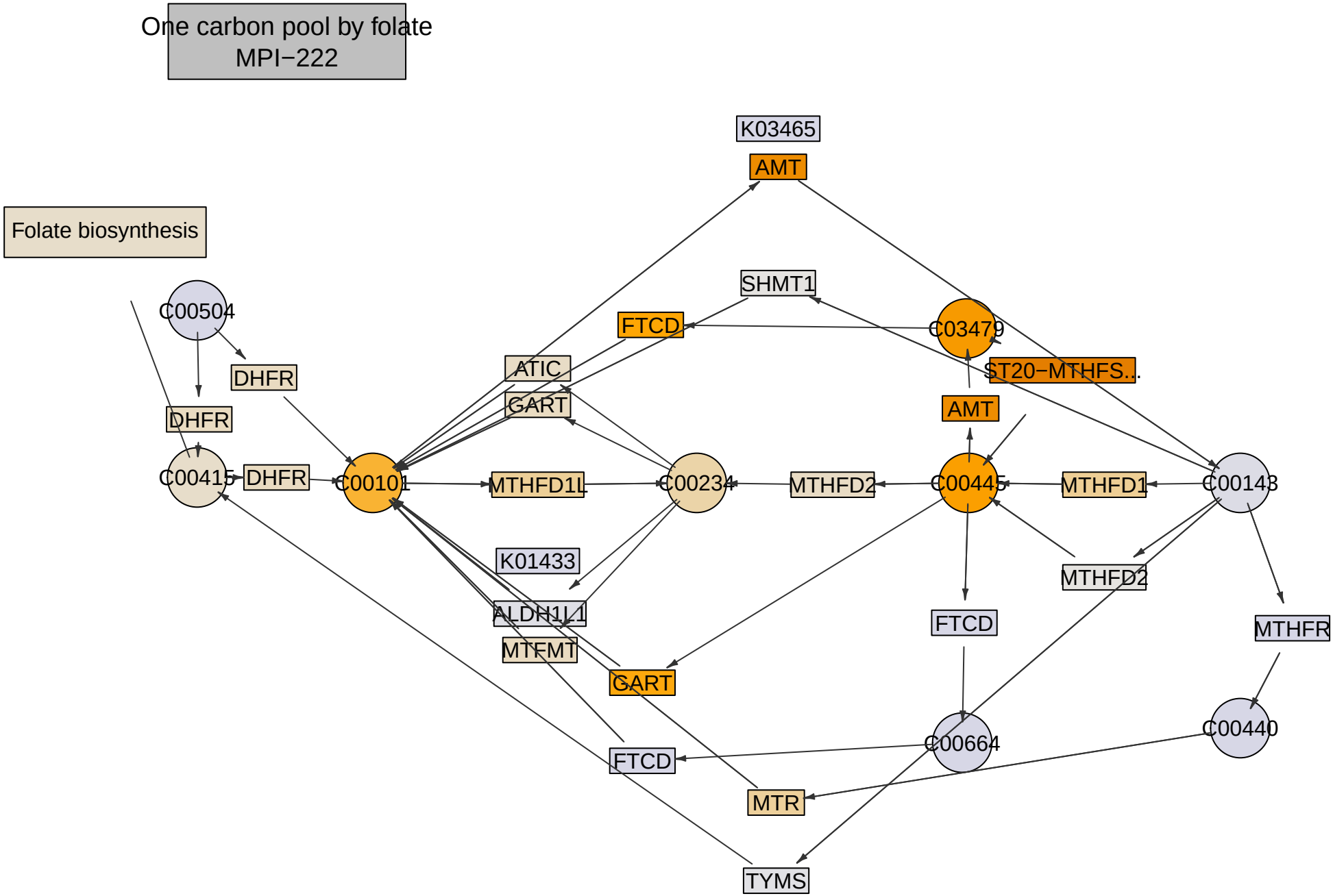

One carbon pool by folate
MPI−169
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

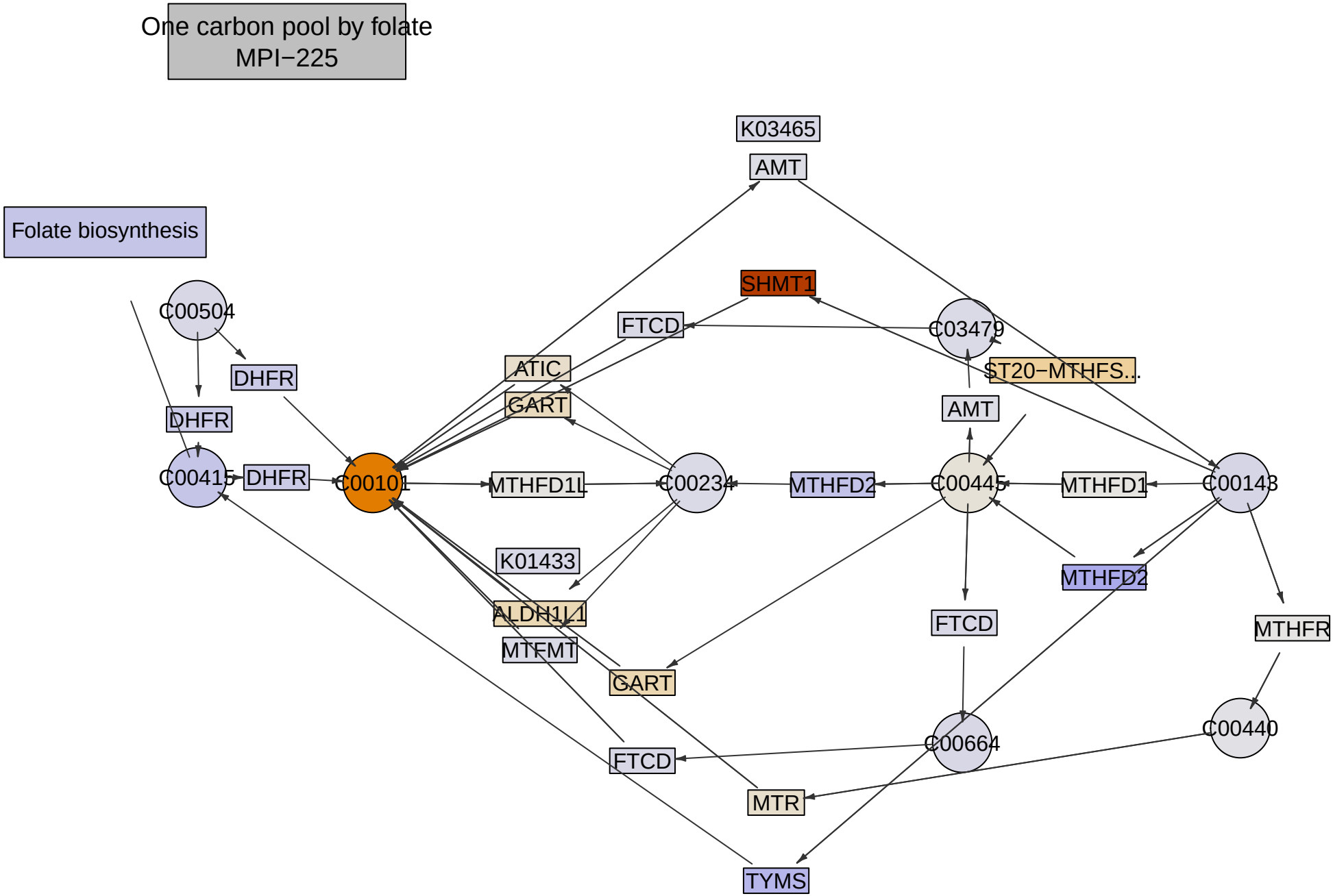

One carbon pool by folate
MPI−175
Folate biosynthesis
K03465
AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

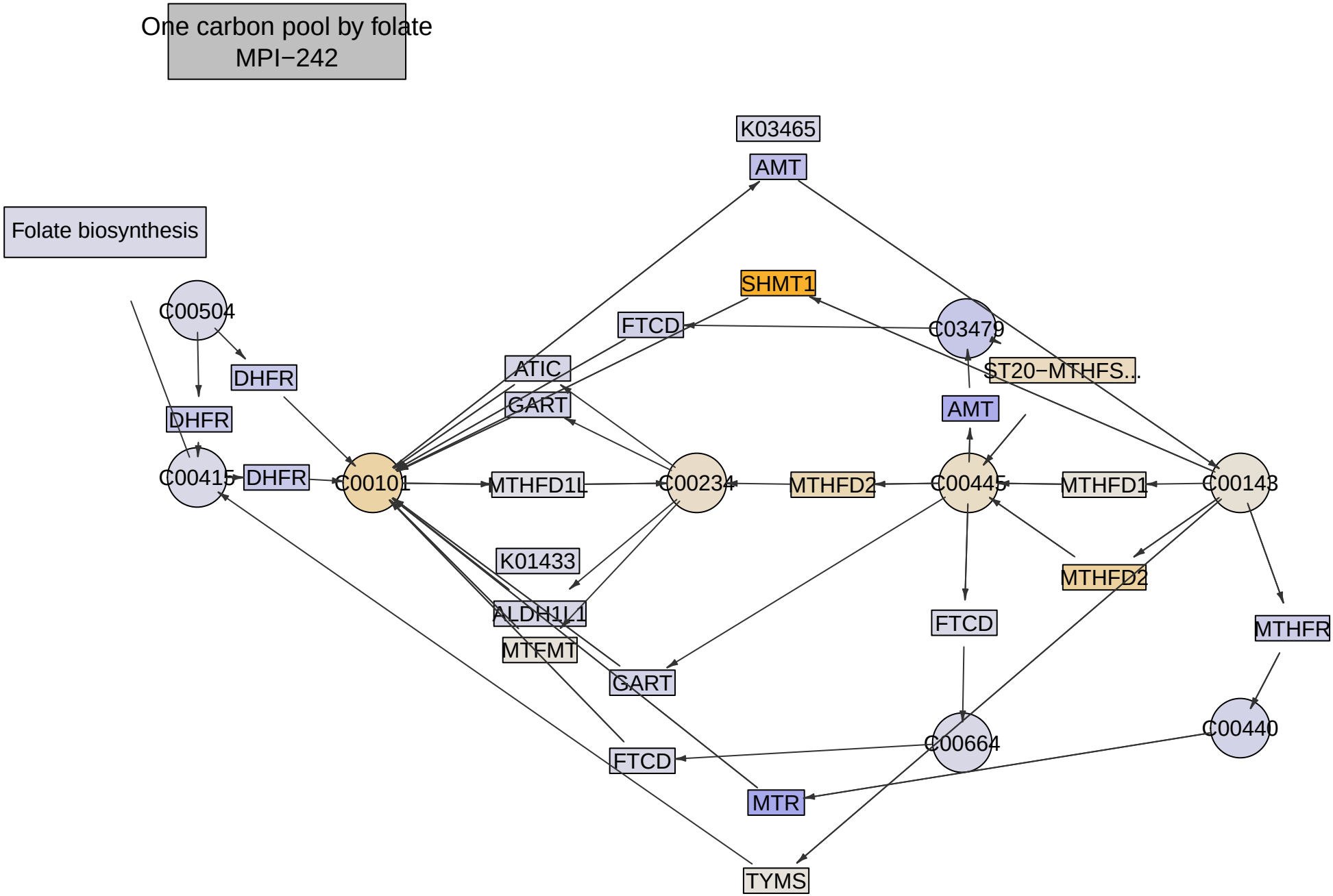

One carbon pool by folate
MPI−187
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

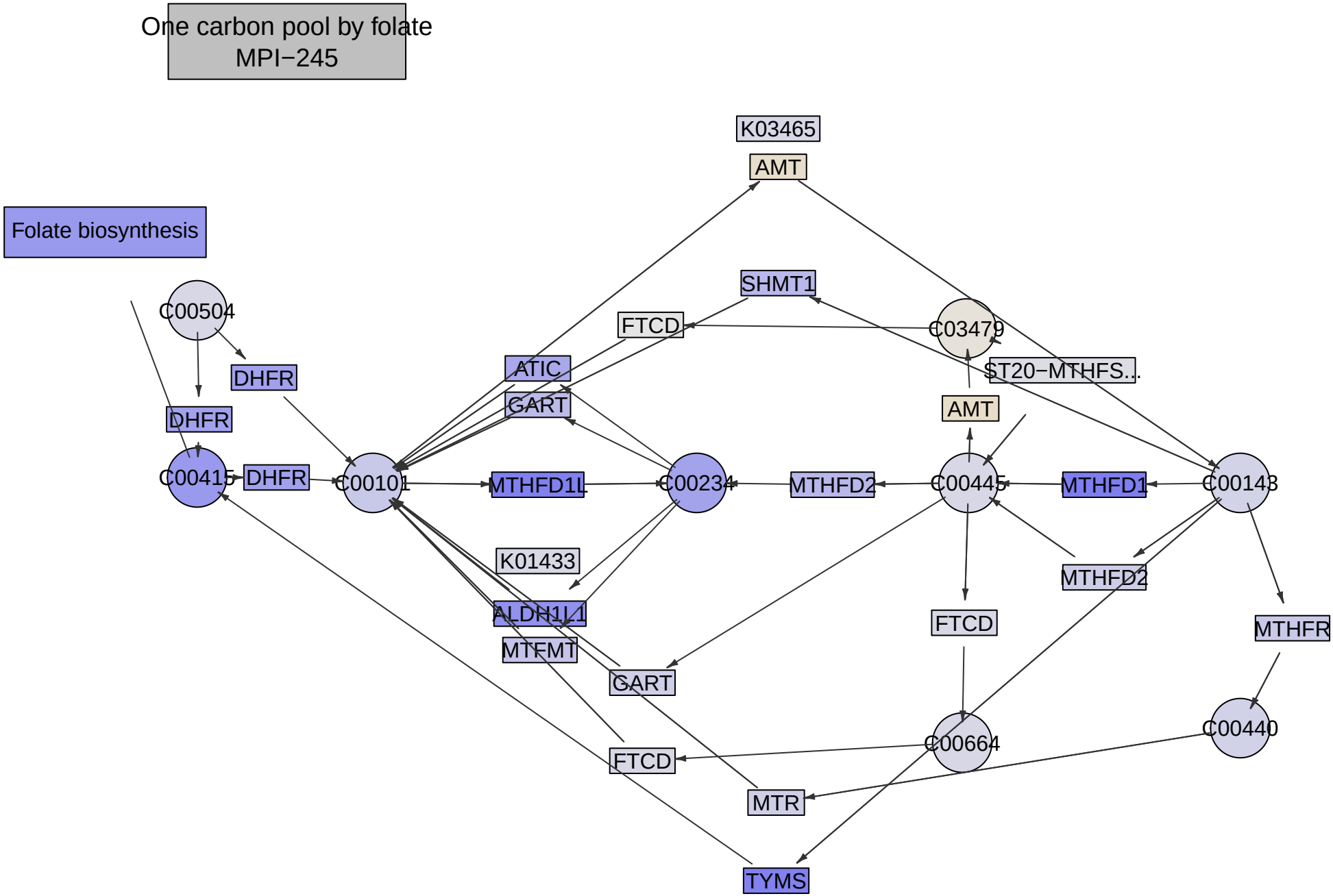

One carbon pool by folate
MPI−193
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

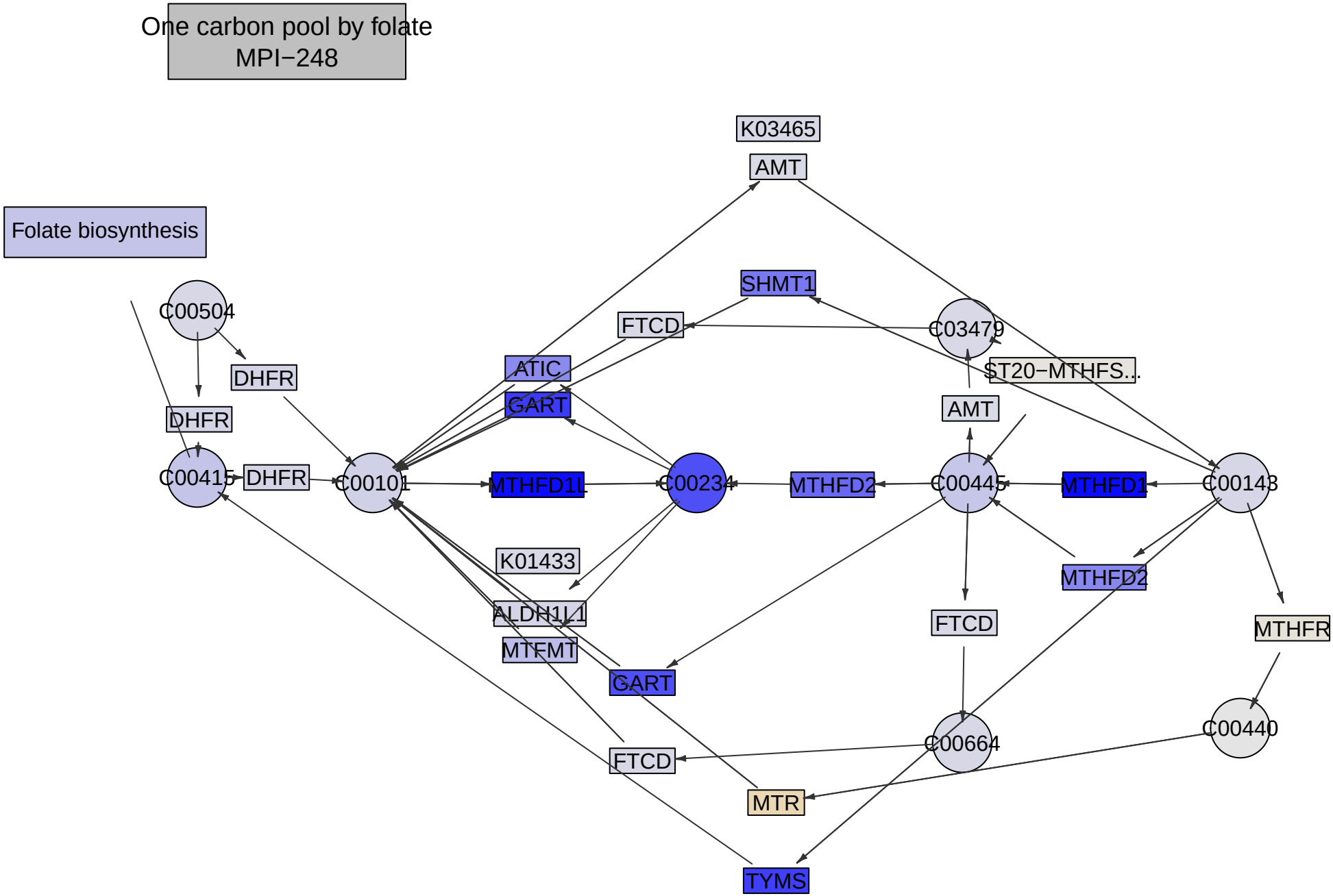

One carbon pool by folate
MPI−216
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

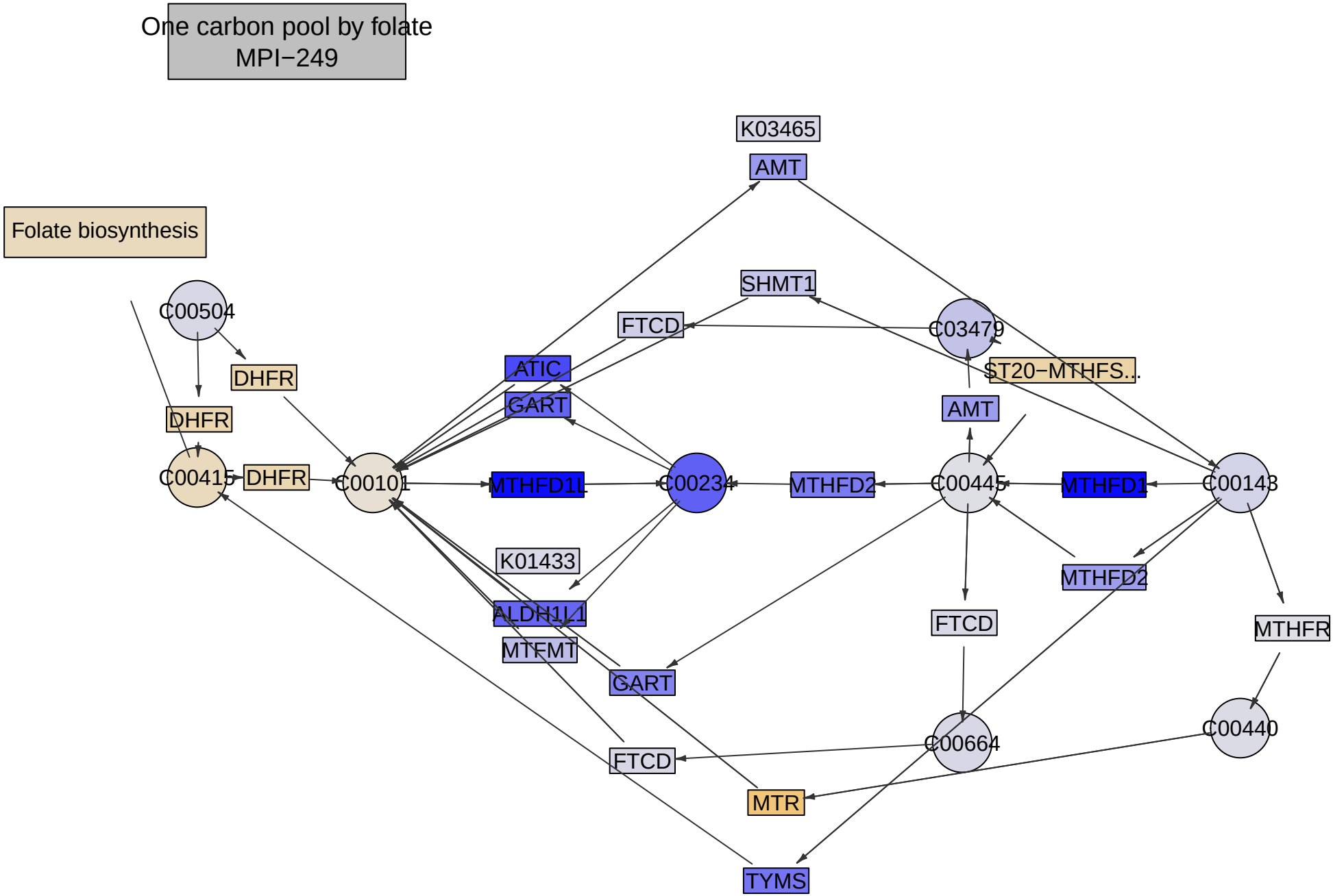

One carbon pool by folate
MPI−222
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

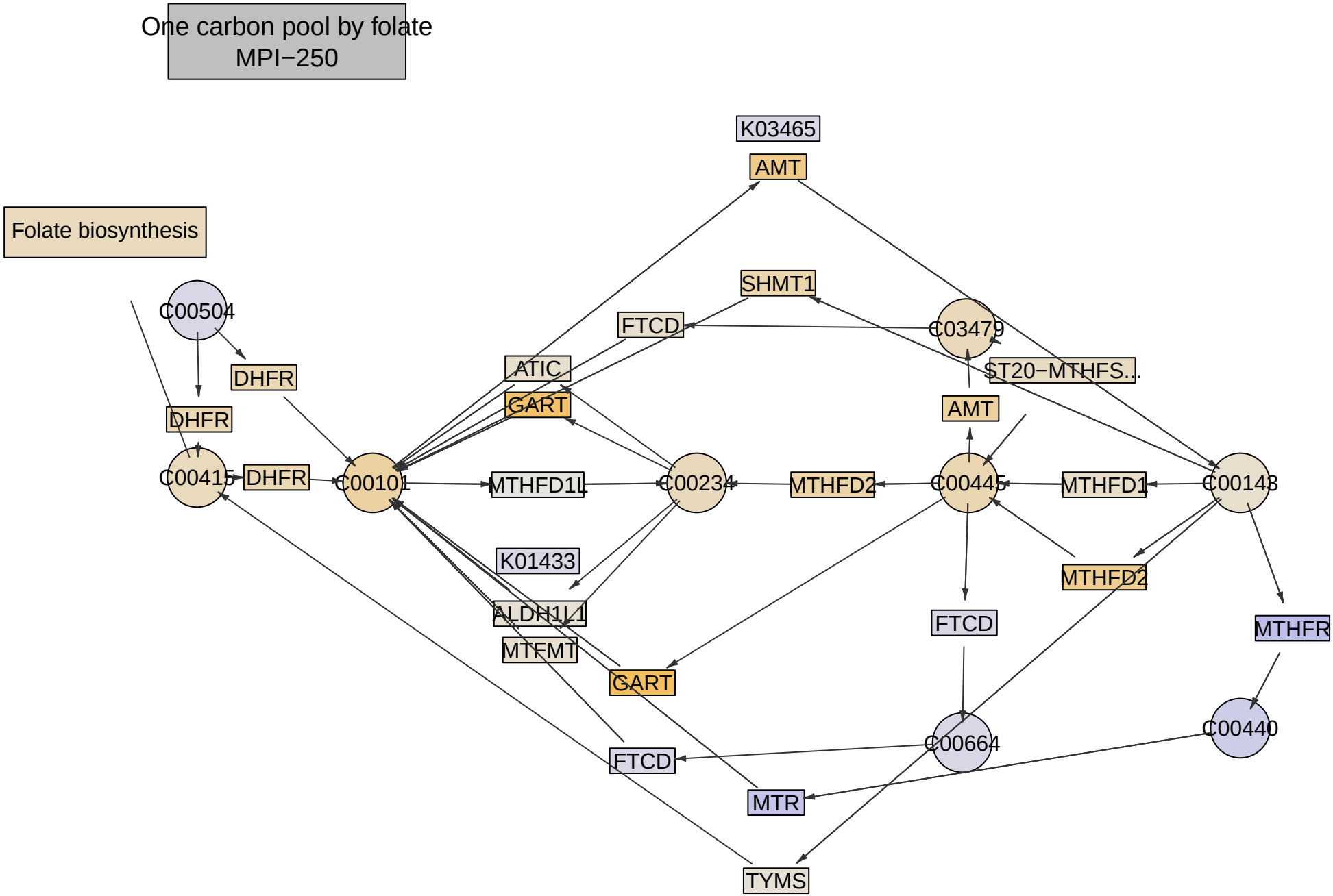

One carbon pool by folate
MPI−225
Folate biosynthesis
K03465
AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

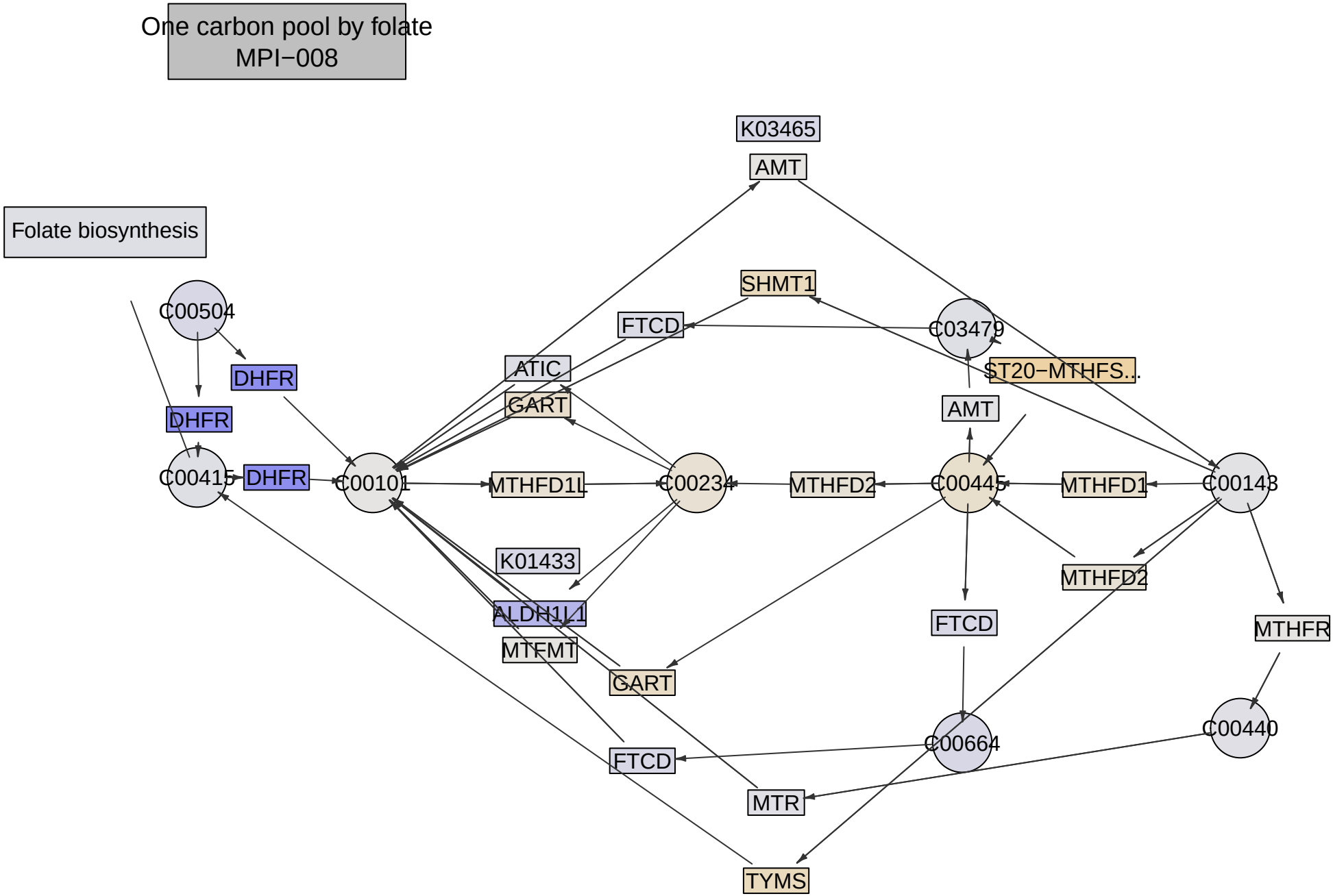

One carbon pool by folate
MPI−242
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

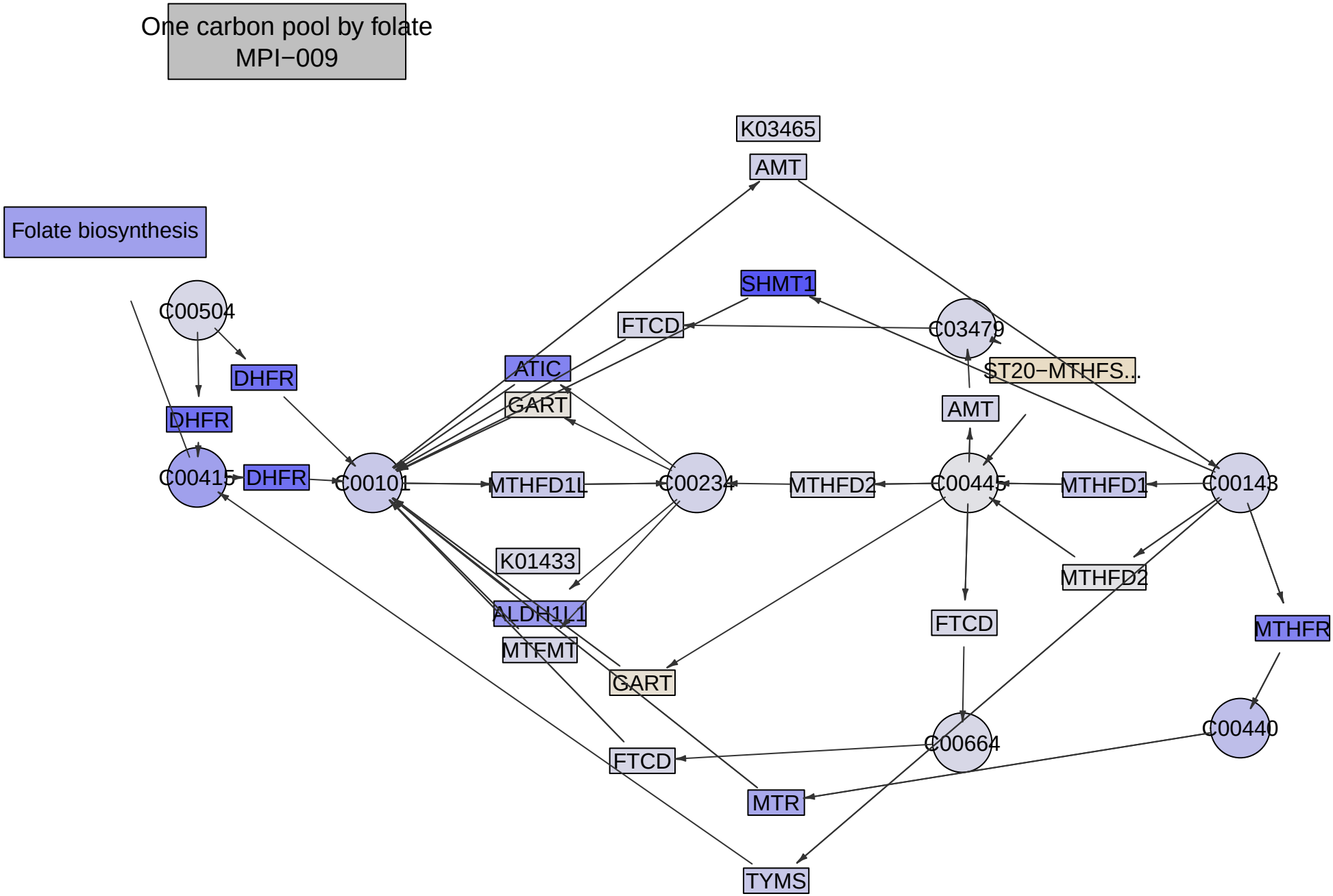

One carbon pool by folate
MPI−245
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
AMT
C00504
DHFR
DHFR
ATIC
GART
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
ALDH1L1
MTFMT
GART
MTHFD2
FTCD
MTHFR
C00440
C00664
FTCD
MTR
TYMS

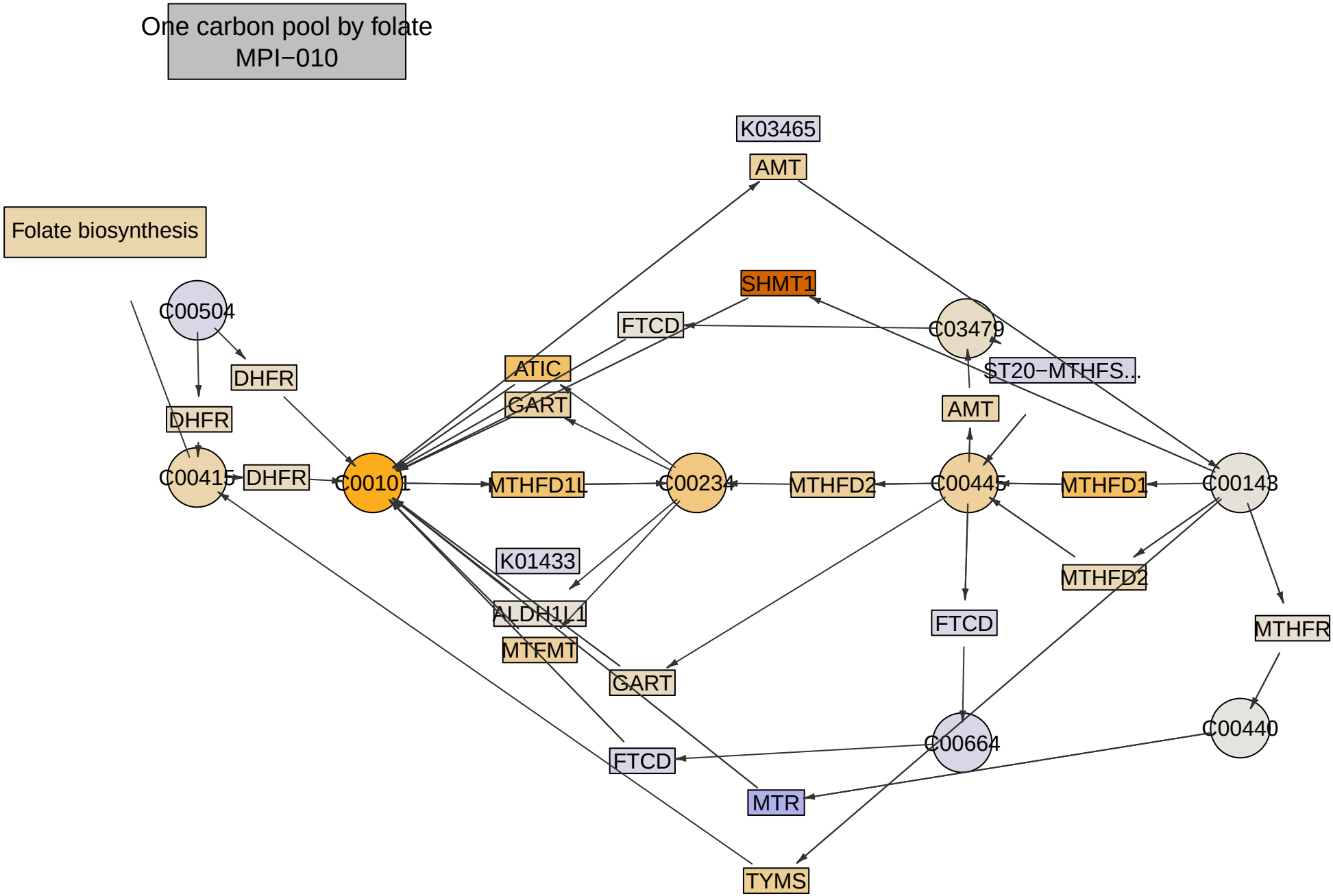

One carbon pool by folate
MPI−248
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
AMT
C00504
DHFR
DHFR
ATIC
GART
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−249
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
GART
ST20−MTHFS...
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−250
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−008
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−009
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−010
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
C00504
DHFR
ATIC
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
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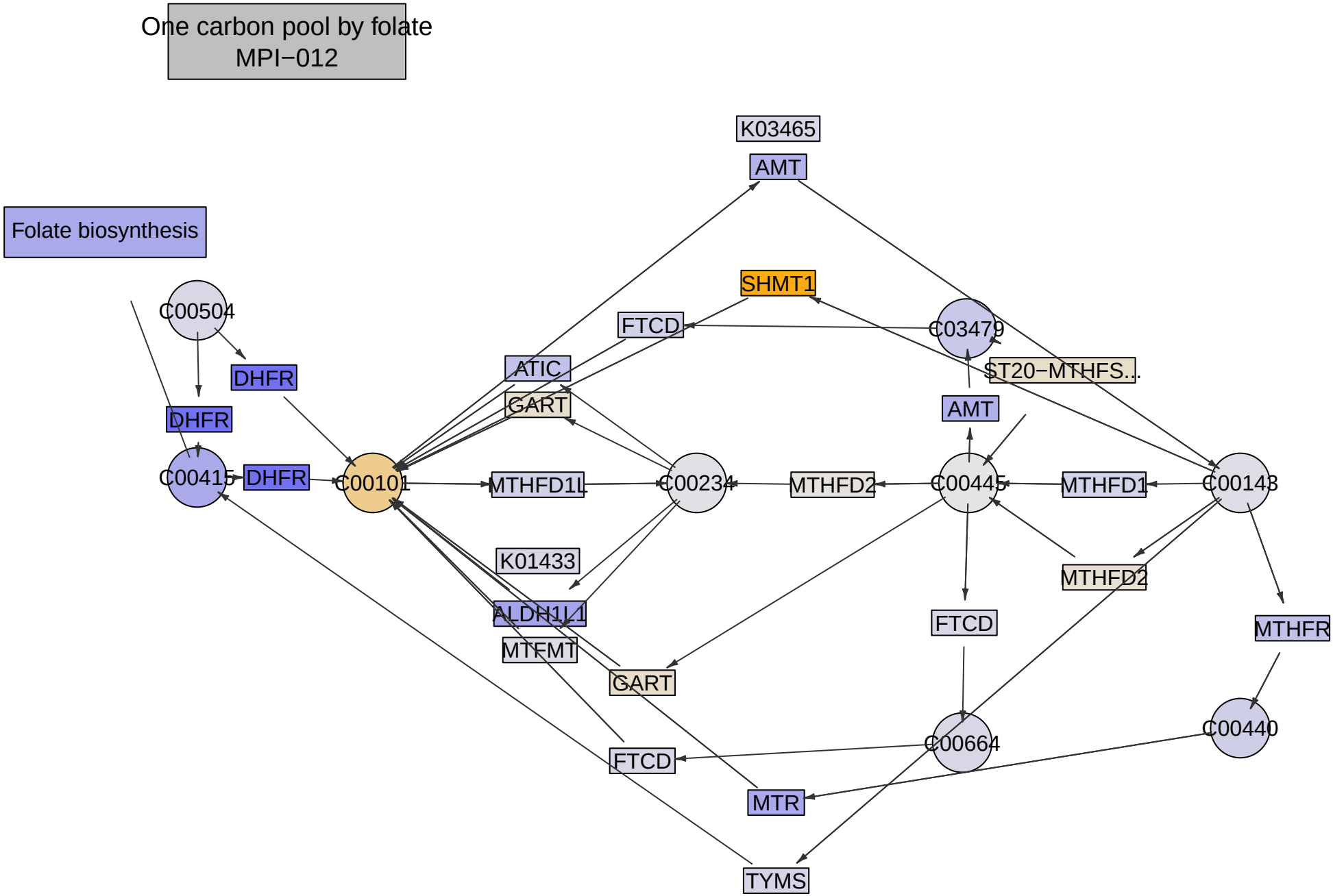
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−012
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
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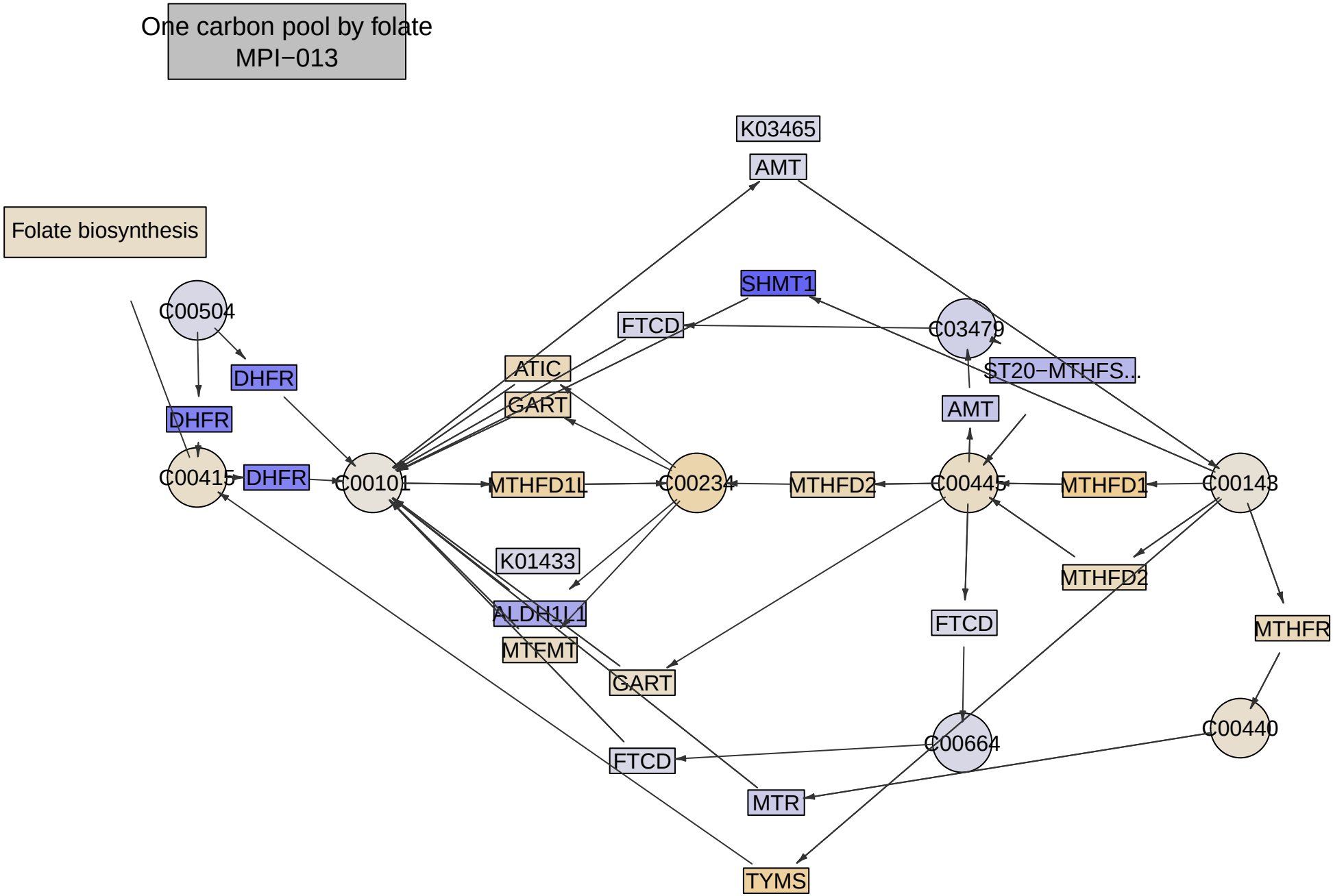
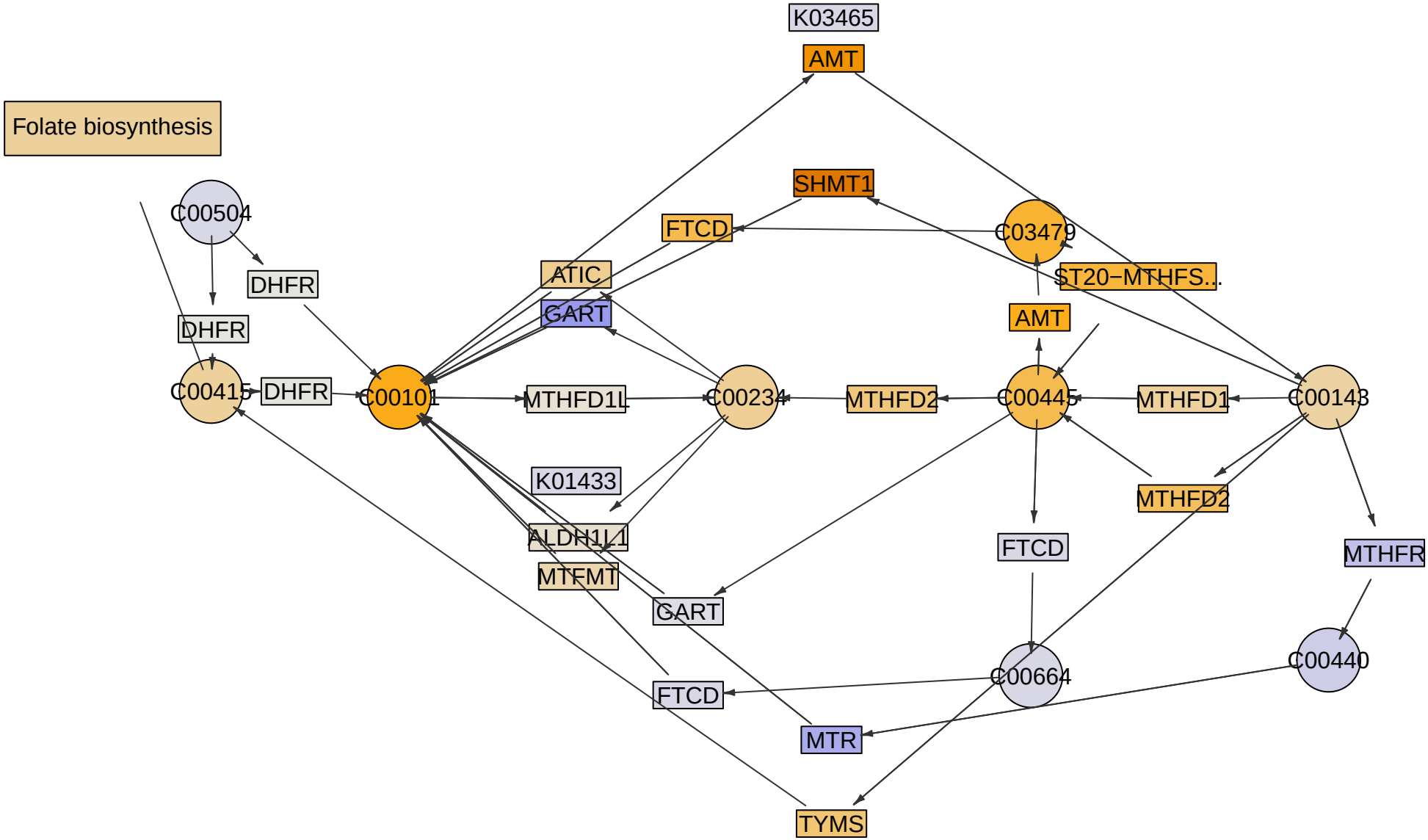
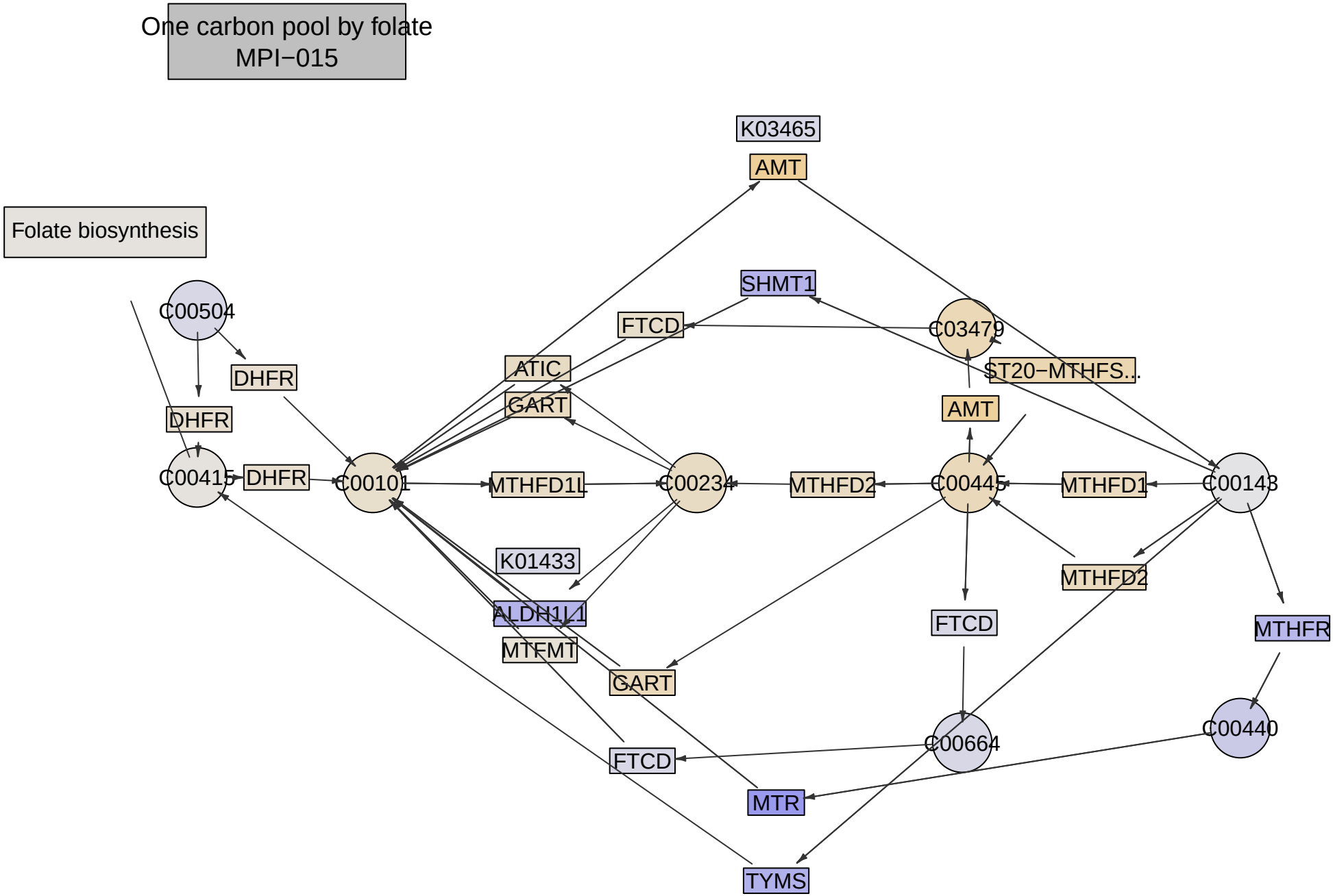
FTCD
MTR
TYMS


One carbon pool by folate
MPI−013
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

One carbon pool by folate
MPI−014

Folate biosynthesis




One carbon pool by folate
MPI−015
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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K01433
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GART
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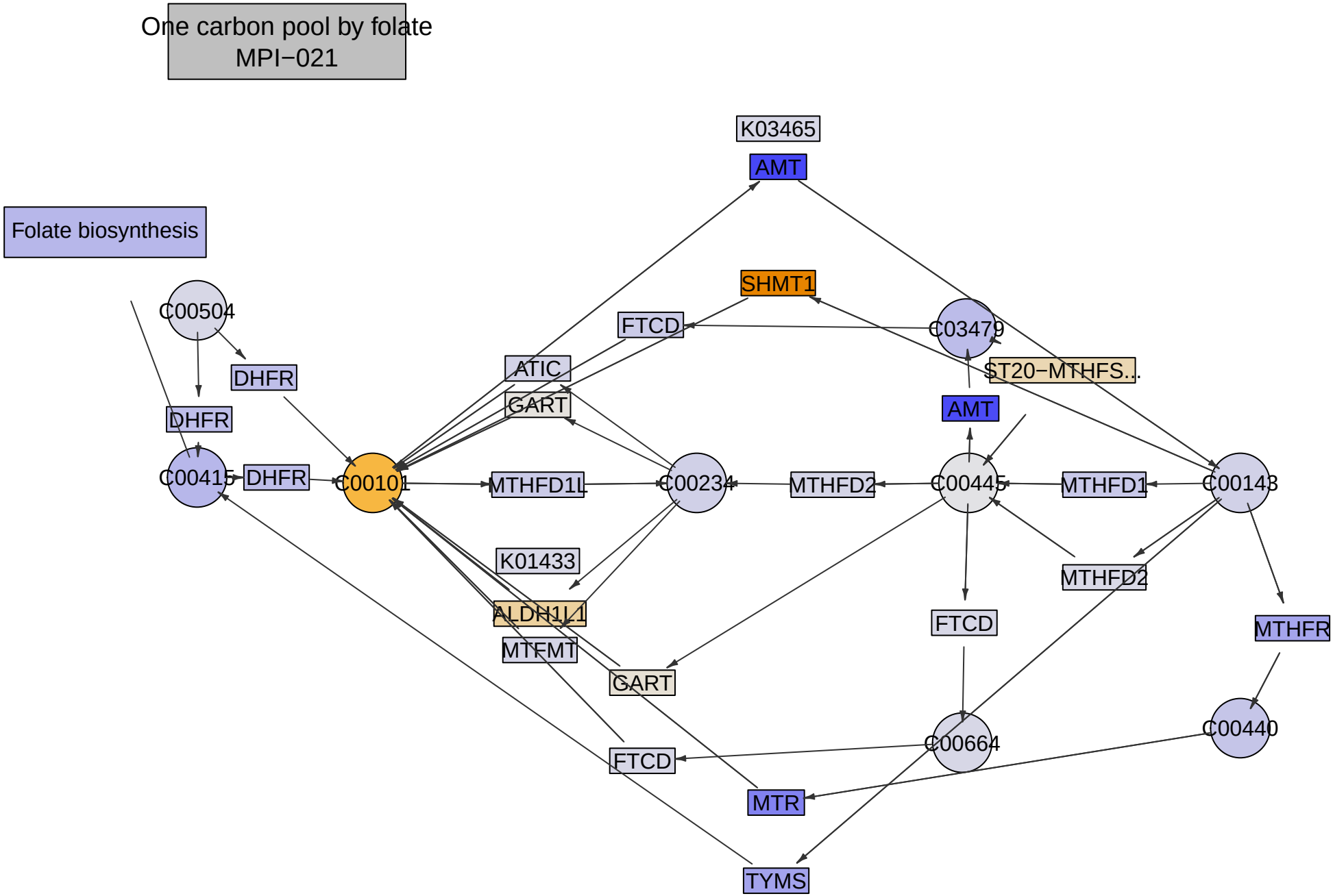
TYMS


One carbon pool by folate
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Folate biosynthesis
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FTCD
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AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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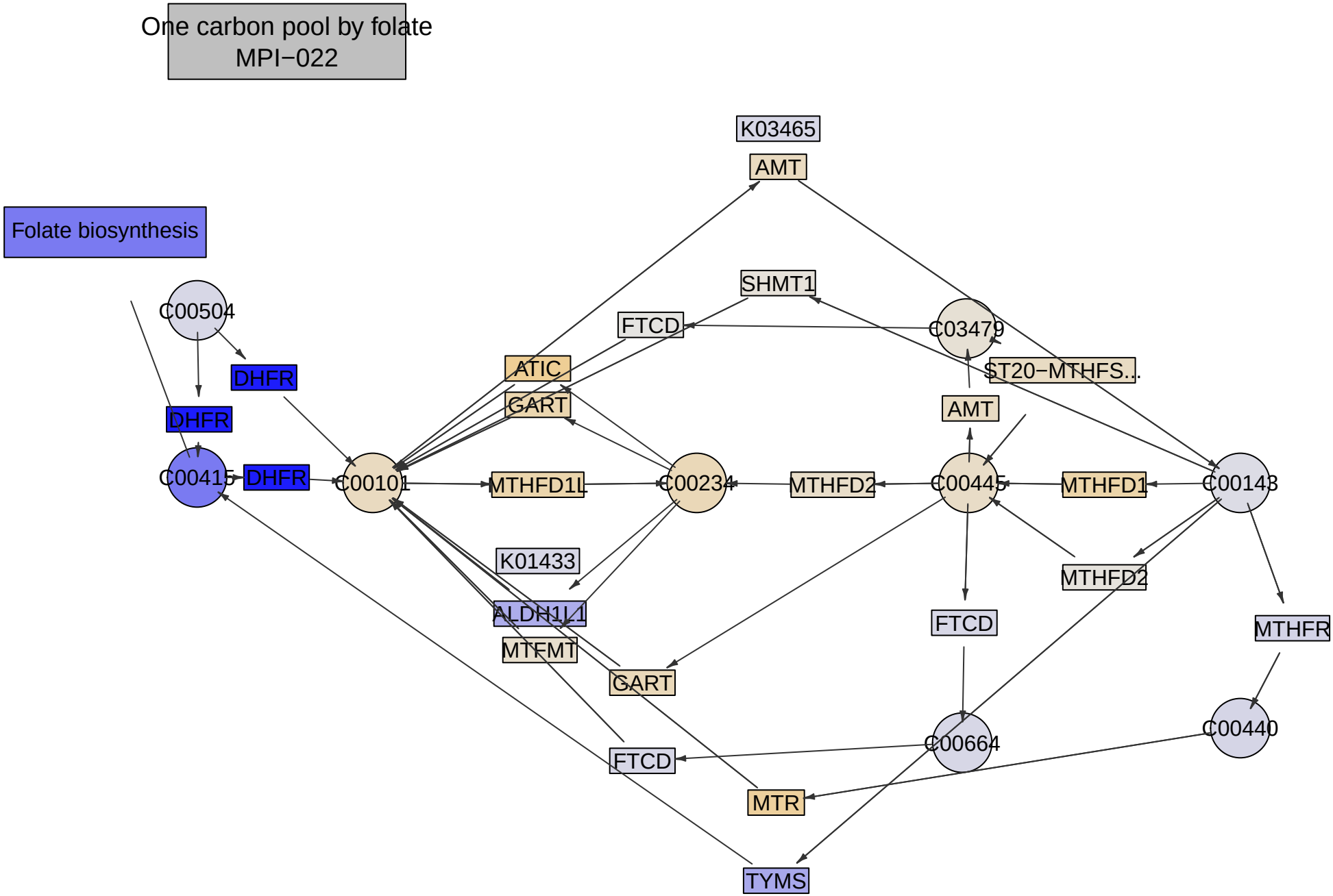
One carbon pool by folate
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Folate biosynthesis
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SHMT1
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C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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MTHFR
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GART
C00440
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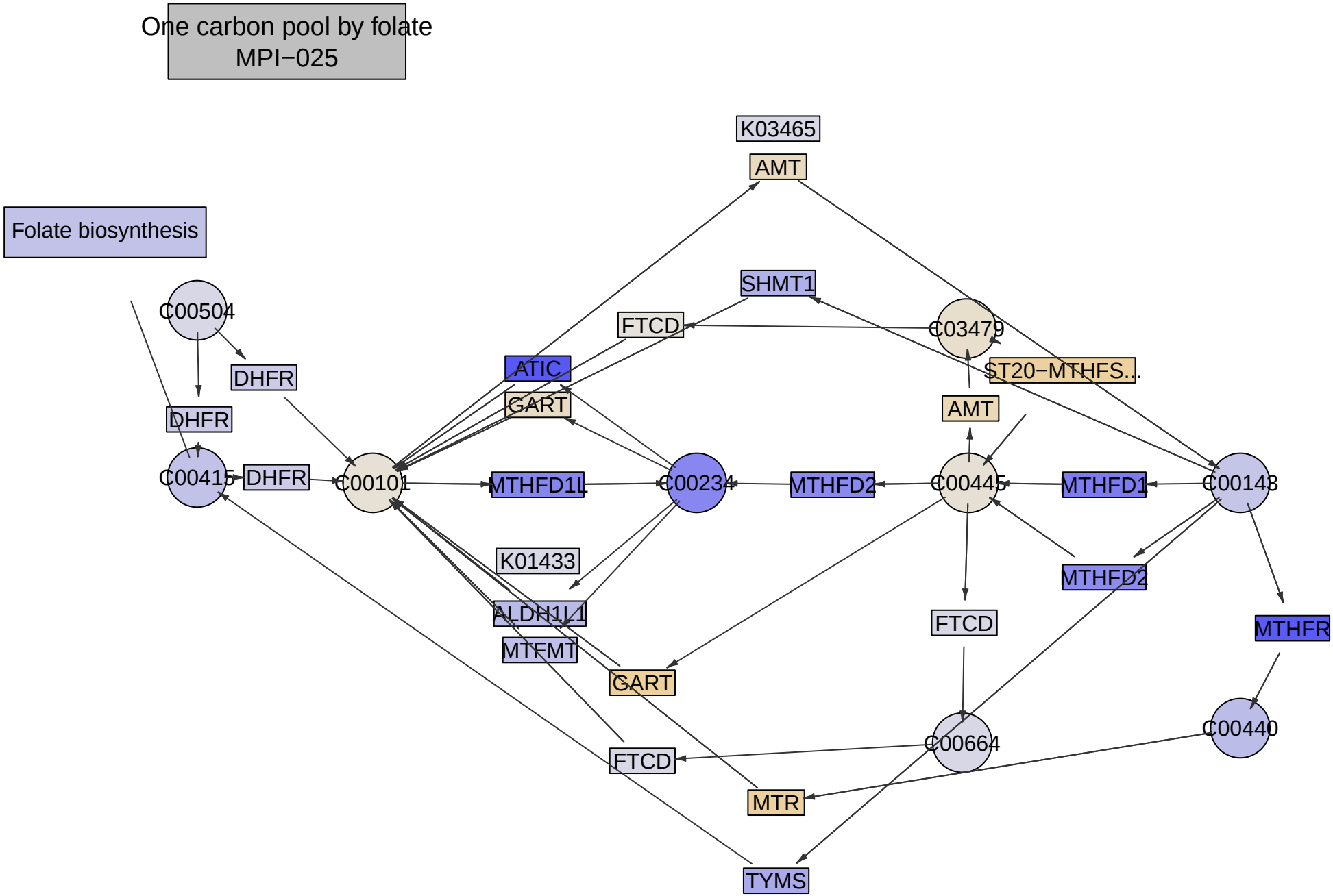
FTCD
MTR
TYMS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Folate biosynthesis
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C03479
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DHFR
C00101
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C00234
MTHFD2
C00445
MTHFD1
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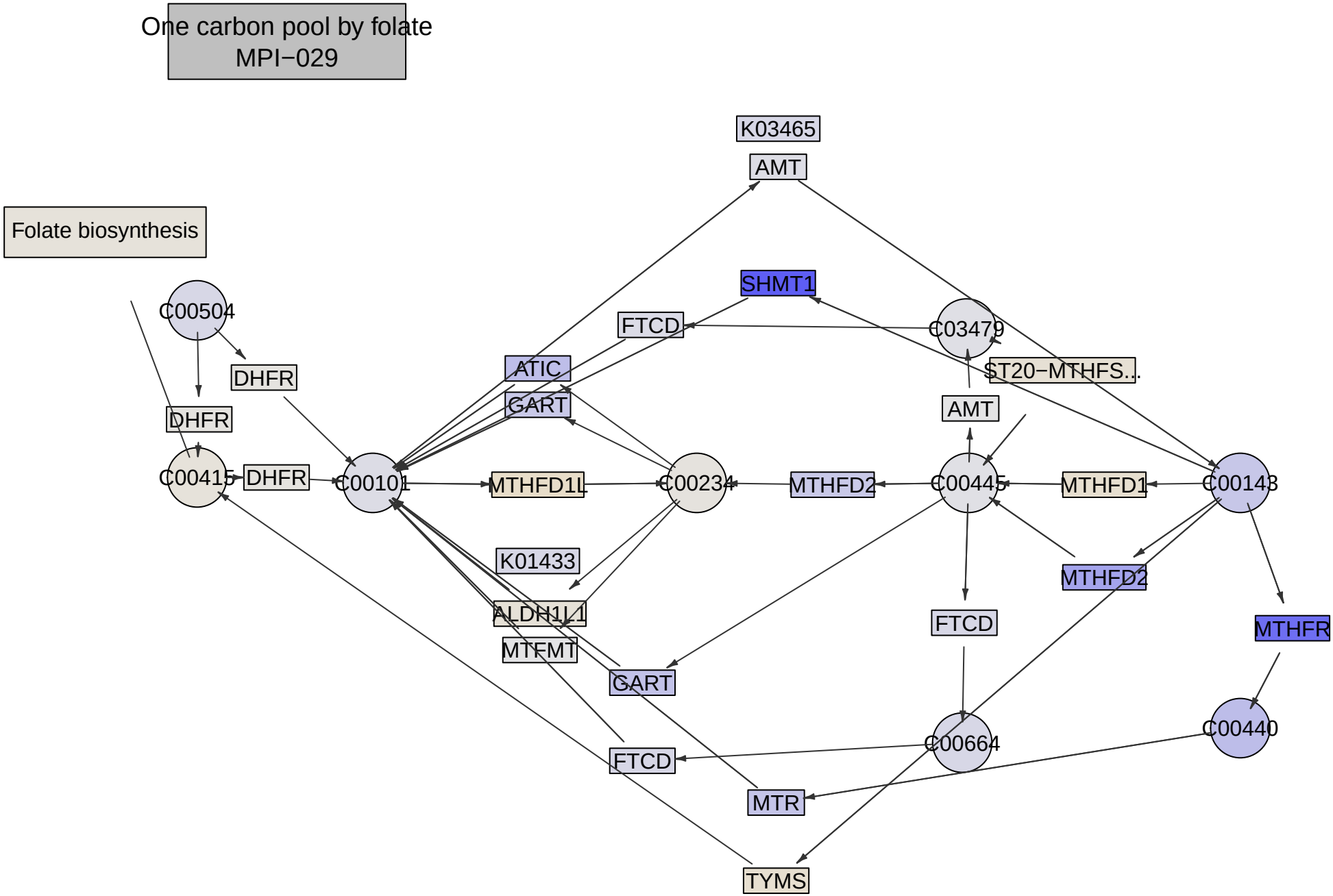
One carbon pool by folate
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Folate biosynthesis
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C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
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DHFR
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DHFR
C00101
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C00234
MTHFD2
C00445
MTHFD1
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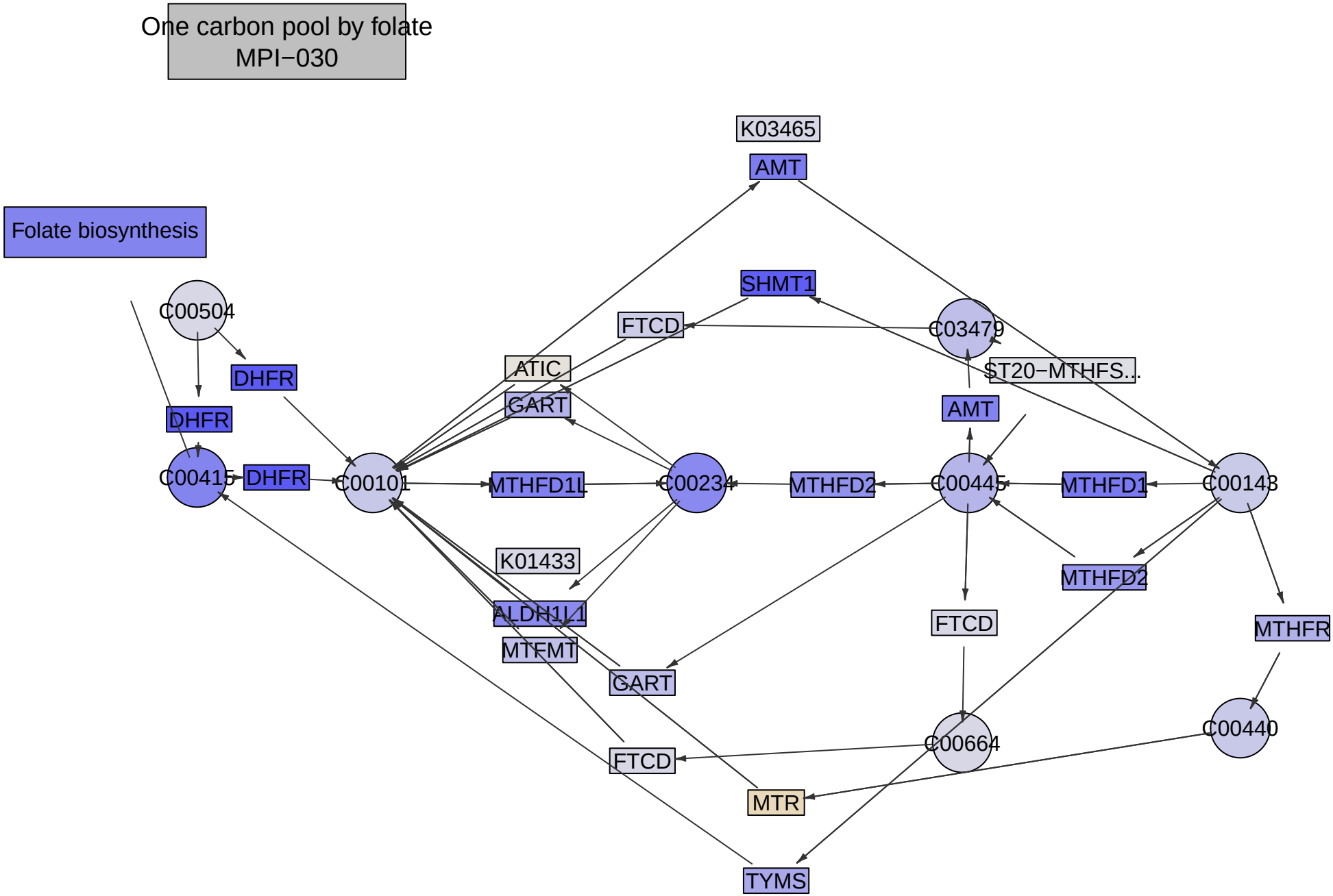
TYMS


One carbon pool by folate
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Folate biosynthesis
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FTCD
C03479
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ST20−MTHFS...
GART
AMT
C00504
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DHFR
C00101
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C00234
MTHFD2
C00445
MTHFD1
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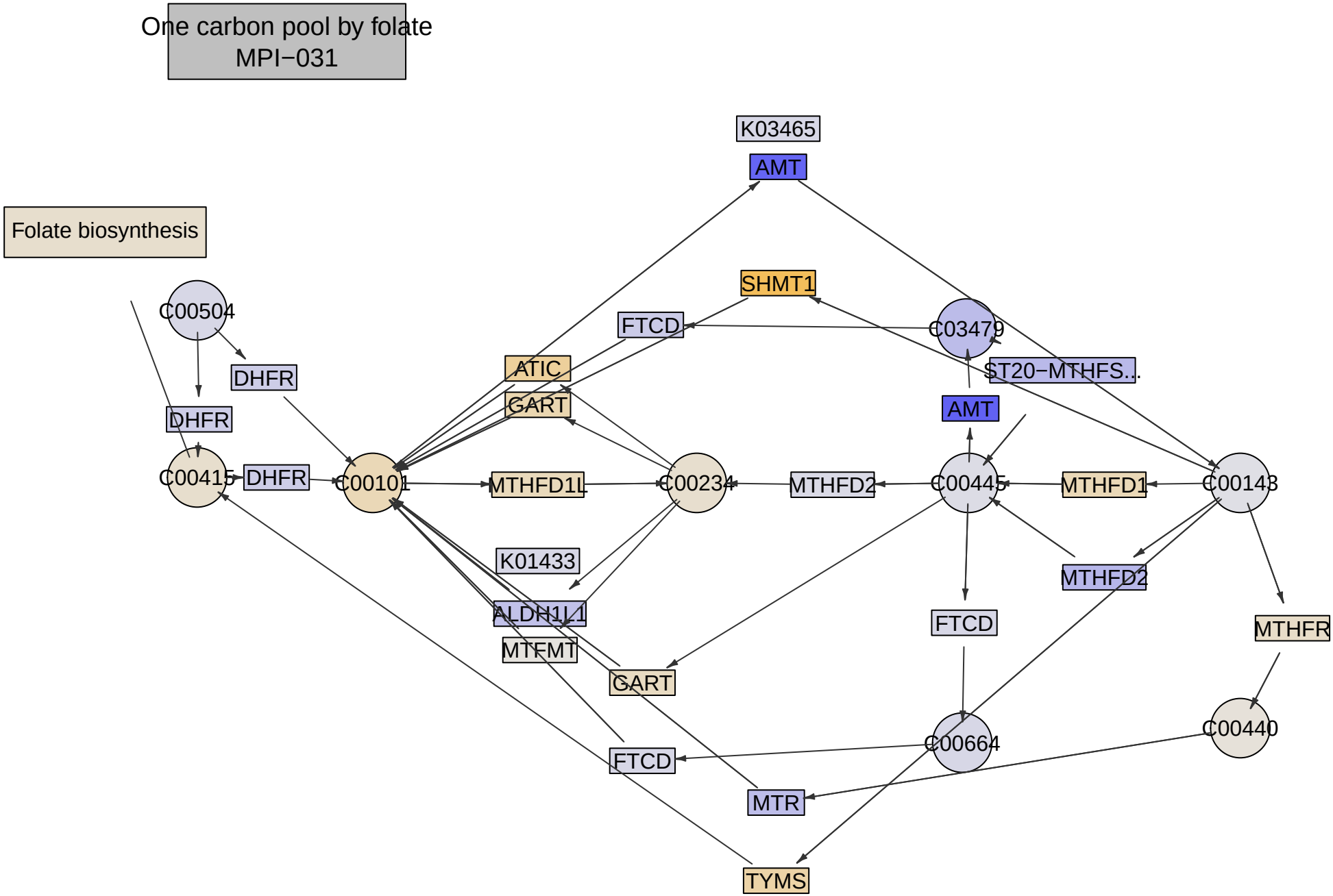
MTR
TYMS


One carbon pool by folate
MPI−031
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
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GART
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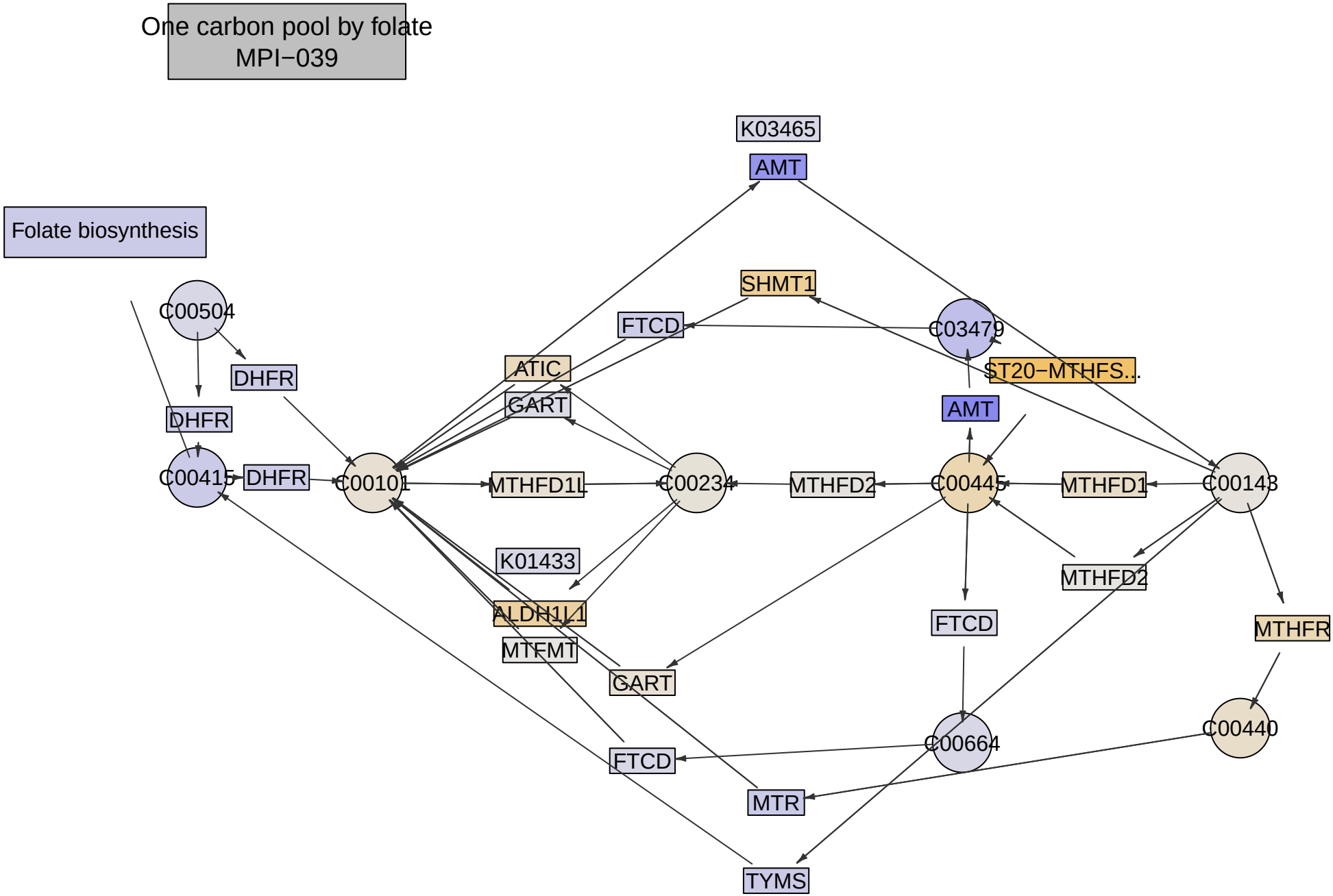
MTR
TYMS


One carbon pool by folate
MPI−039
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
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GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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FTCD
MTHFR
MTFMT
GART
C00440
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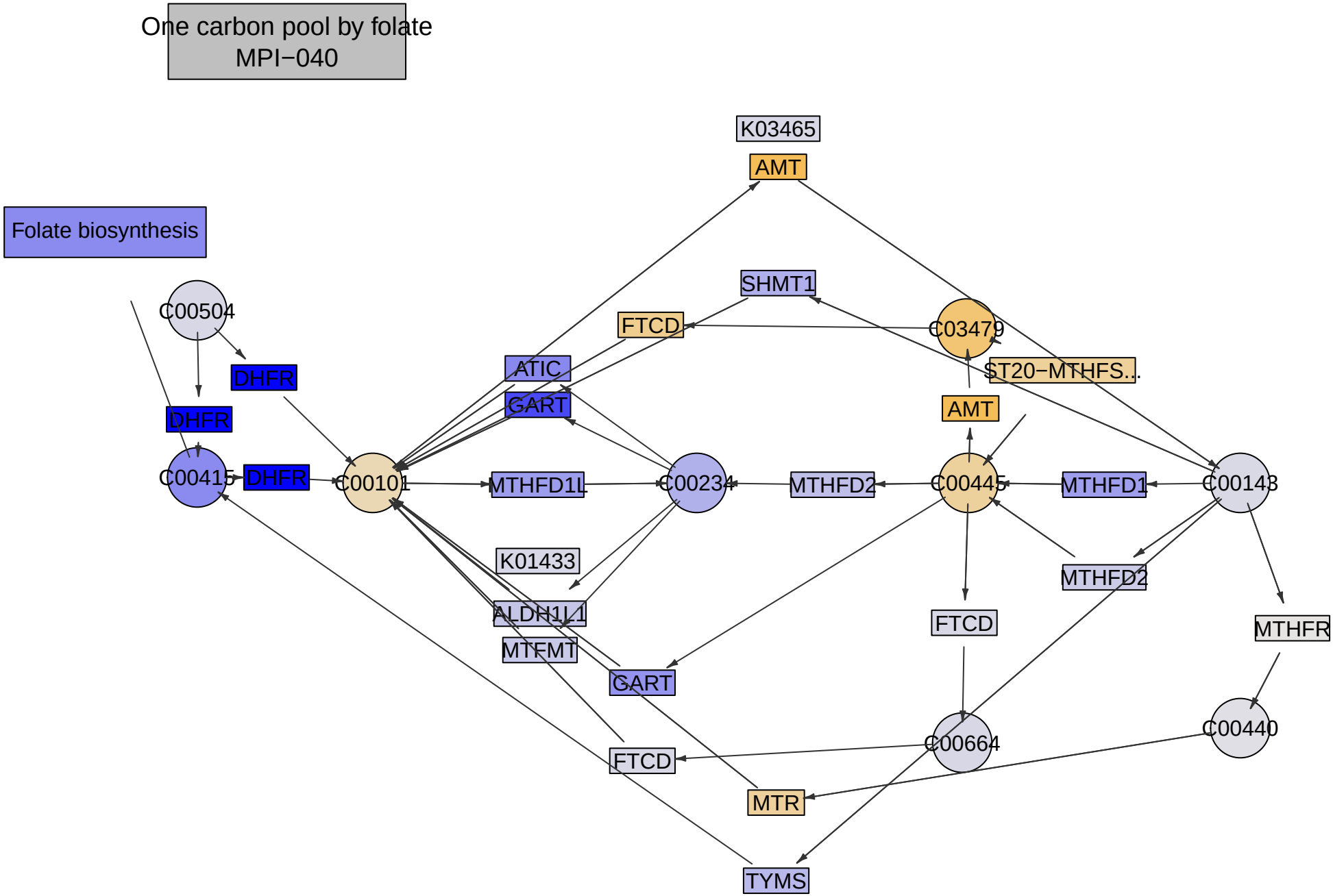
FTCD
MTR
TYMS


One carbon pool by folate
MPI−040
Folate biosynthesis
K03465
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SHMT1
FTCD
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DHFR
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C00234
MTHFD2
C00445
MTHFD1
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GART
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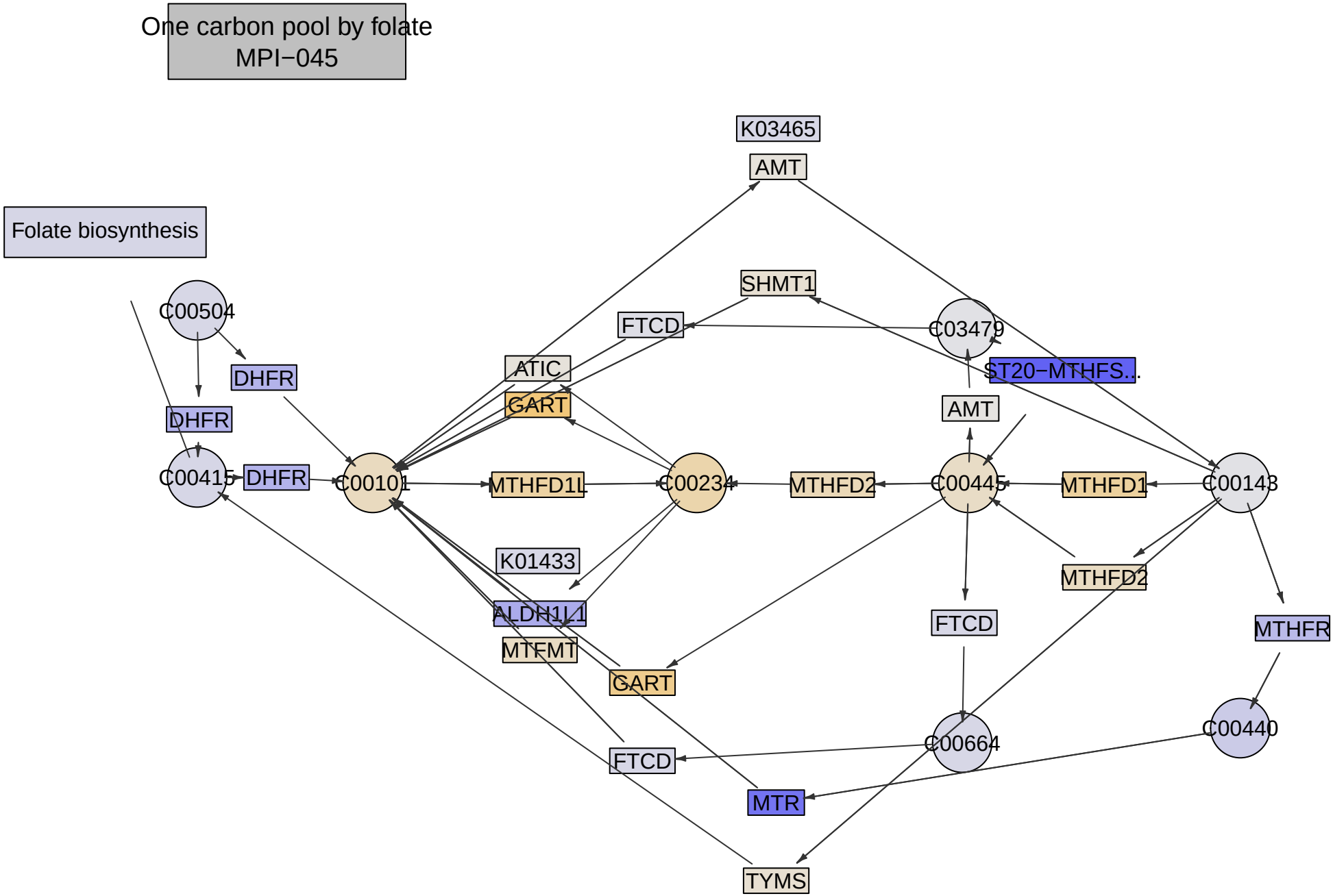
One carbon pool by folate
MPI−045
Folate biosynthesis
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DHFR
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DHFR
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MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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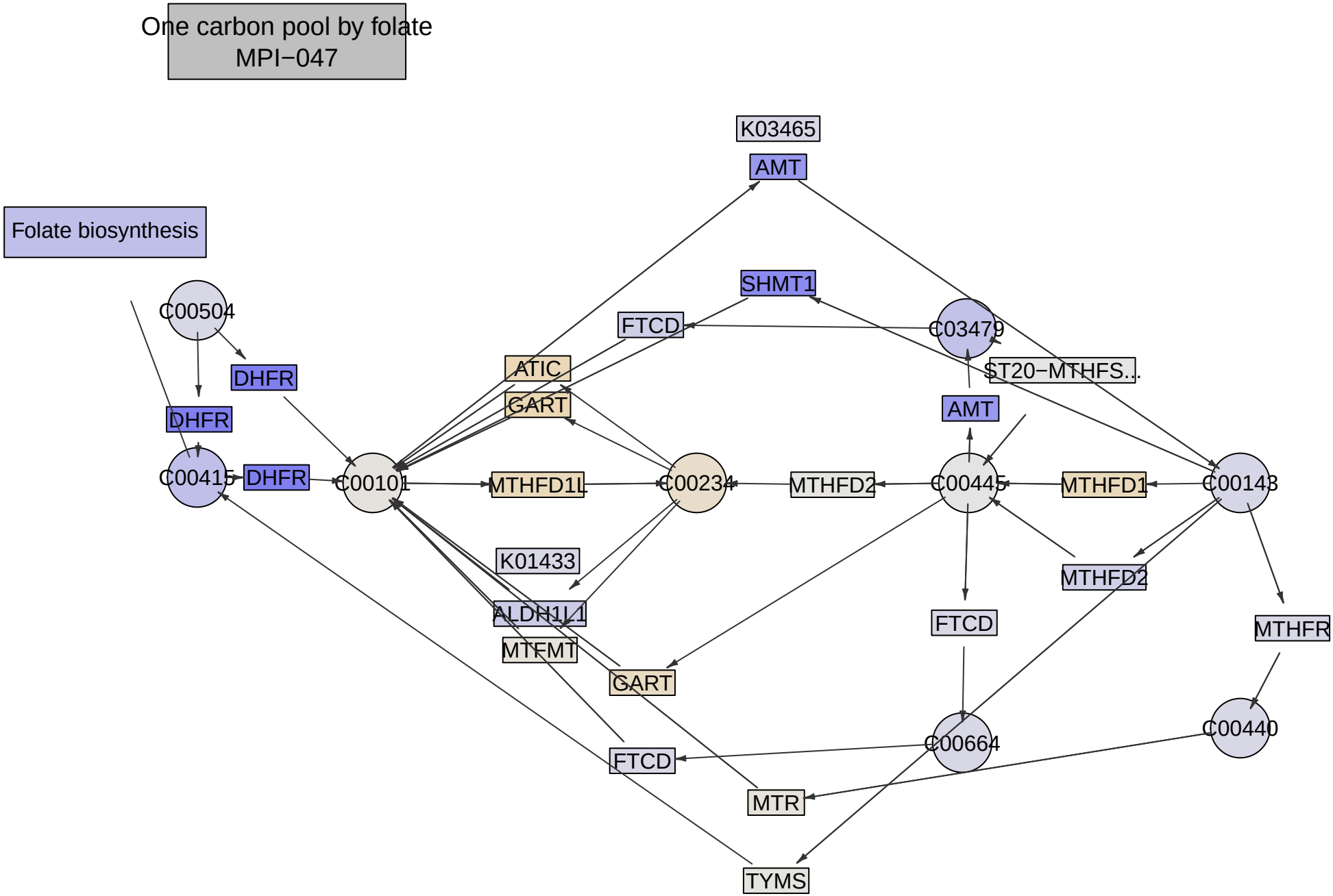
One carbon pool by folate
MPI−047
Folate biosynthesis
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DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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MTFMT
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MTR
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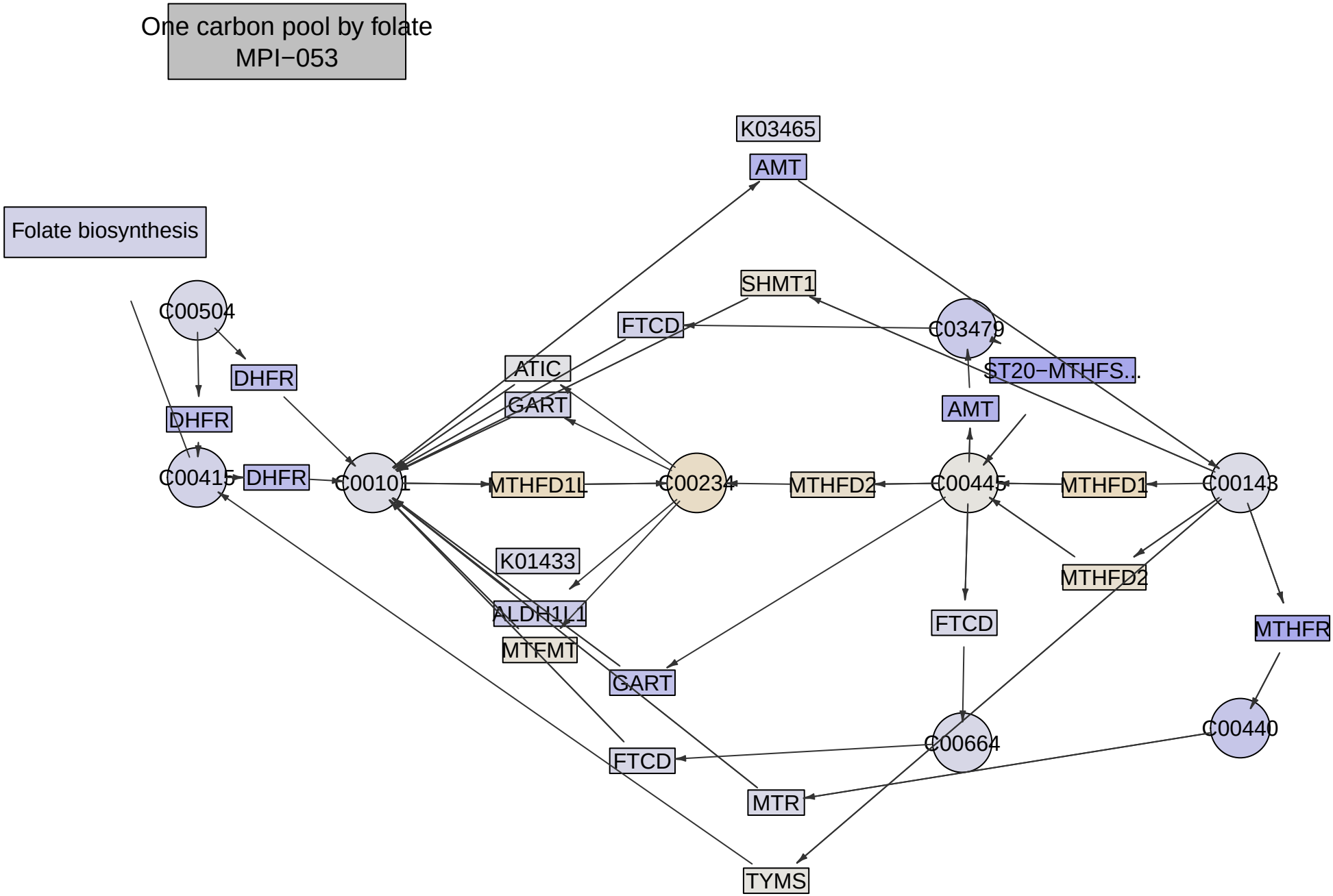
One carbon pool by folate
MPI−053
Folate biosynthesis
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FTCD
C03479
ATIC
ST20−MTHFS...
GART
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DHFR
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DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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MTHFR
MTFMT
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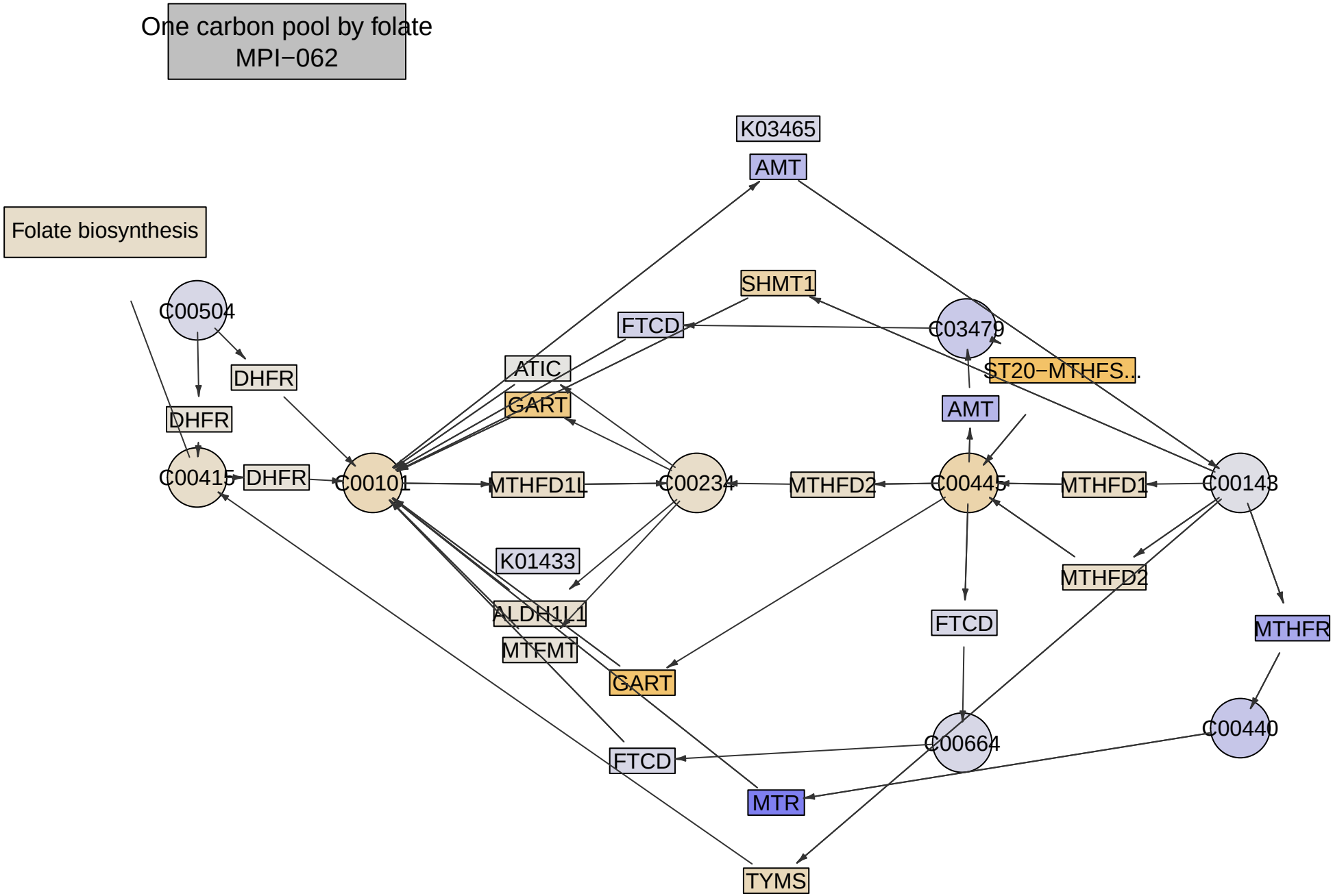
One carbon pool by folate
MPI−062
Folate biosynthesis
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C03479
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ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
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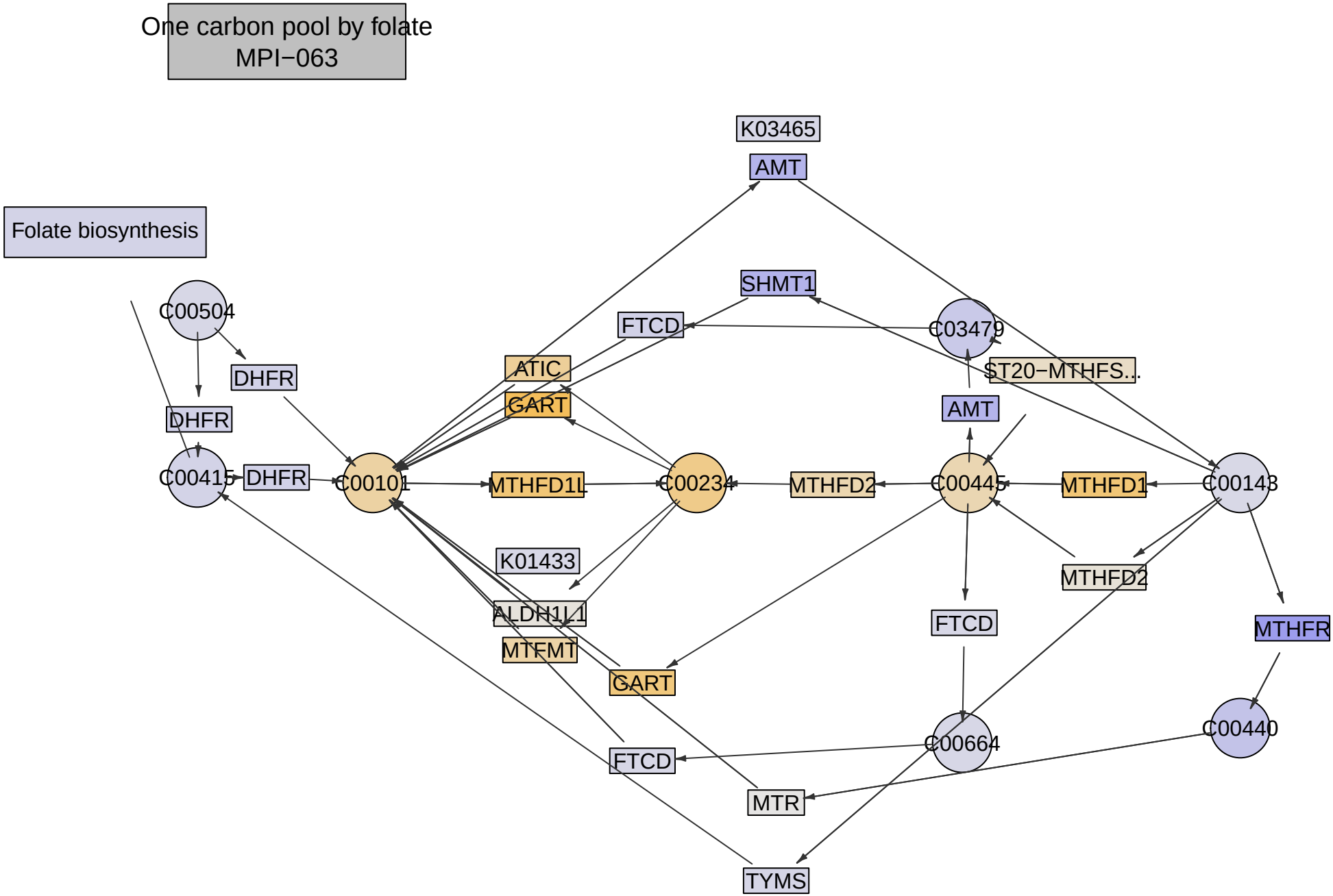
One carbon pool by folate
MPI−063
Folate biosynthesis
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ST20−MTHFS...
GART
AMT
C00504
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DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
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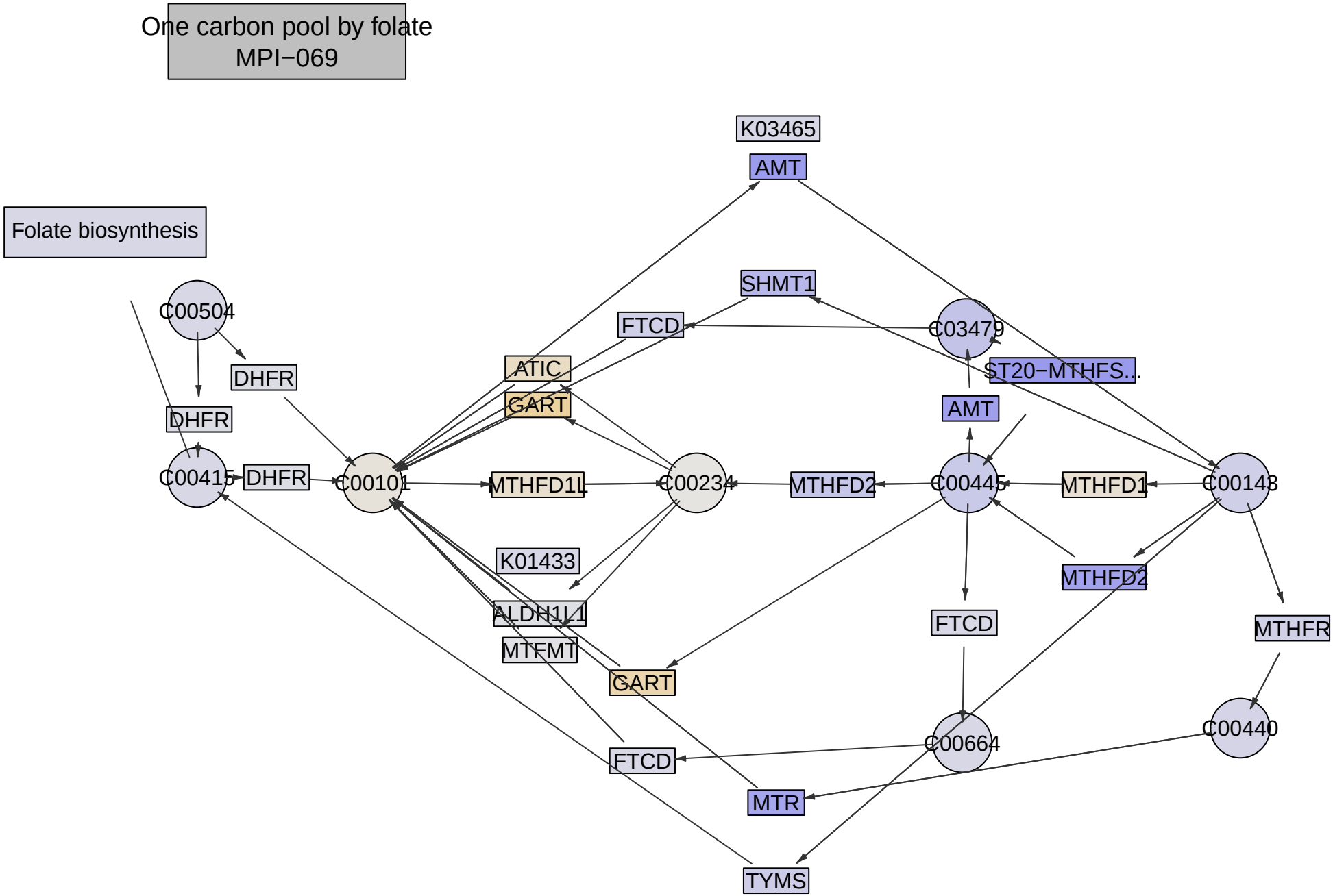
One carbon pool by folate
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Folate biosynthesis
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AMT
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DHFR
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DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
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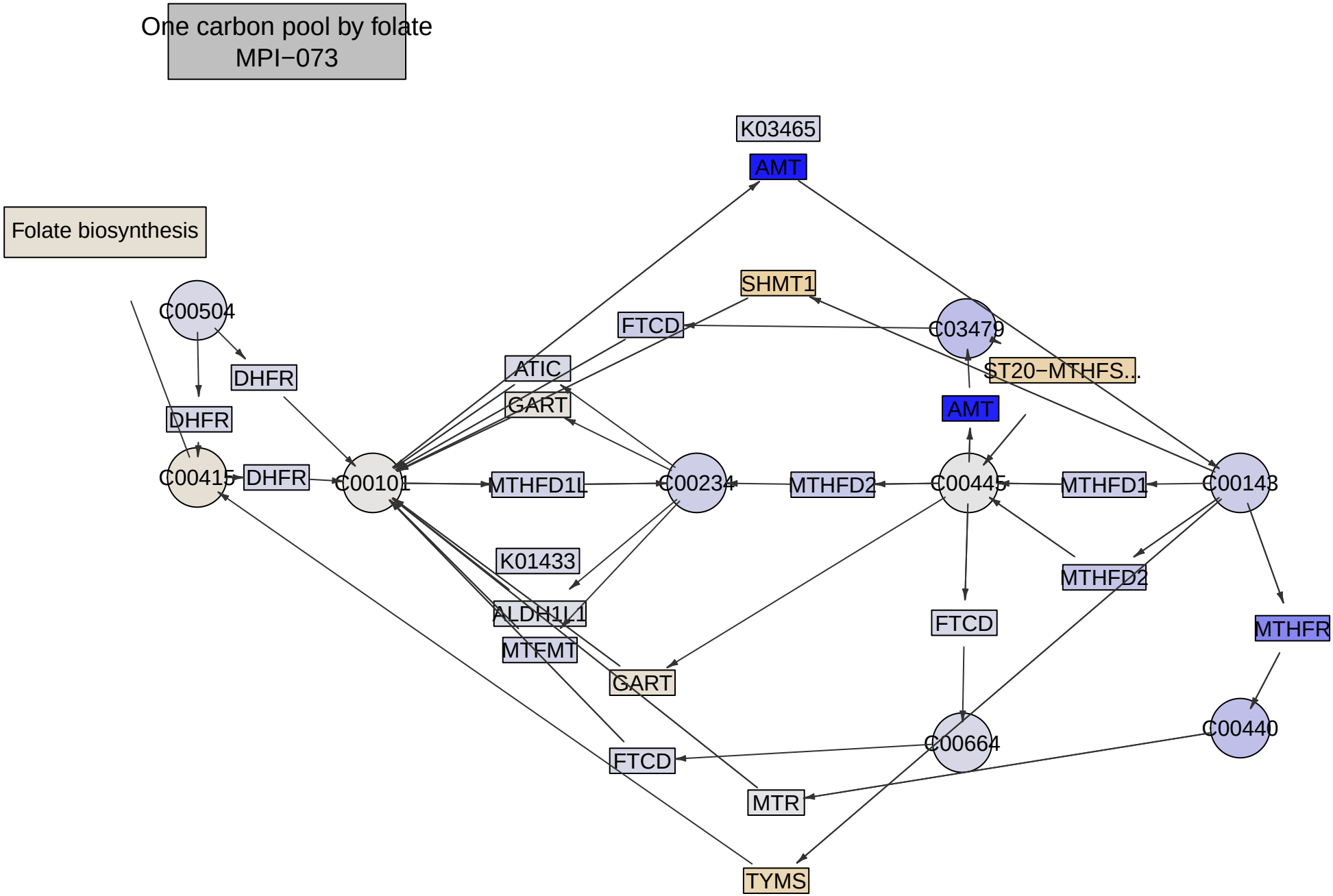
One carbon pool by folate
MPI−073
Folate biosynthesis
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DHFR
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DHFR
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C00234
MTHFD2
C00445
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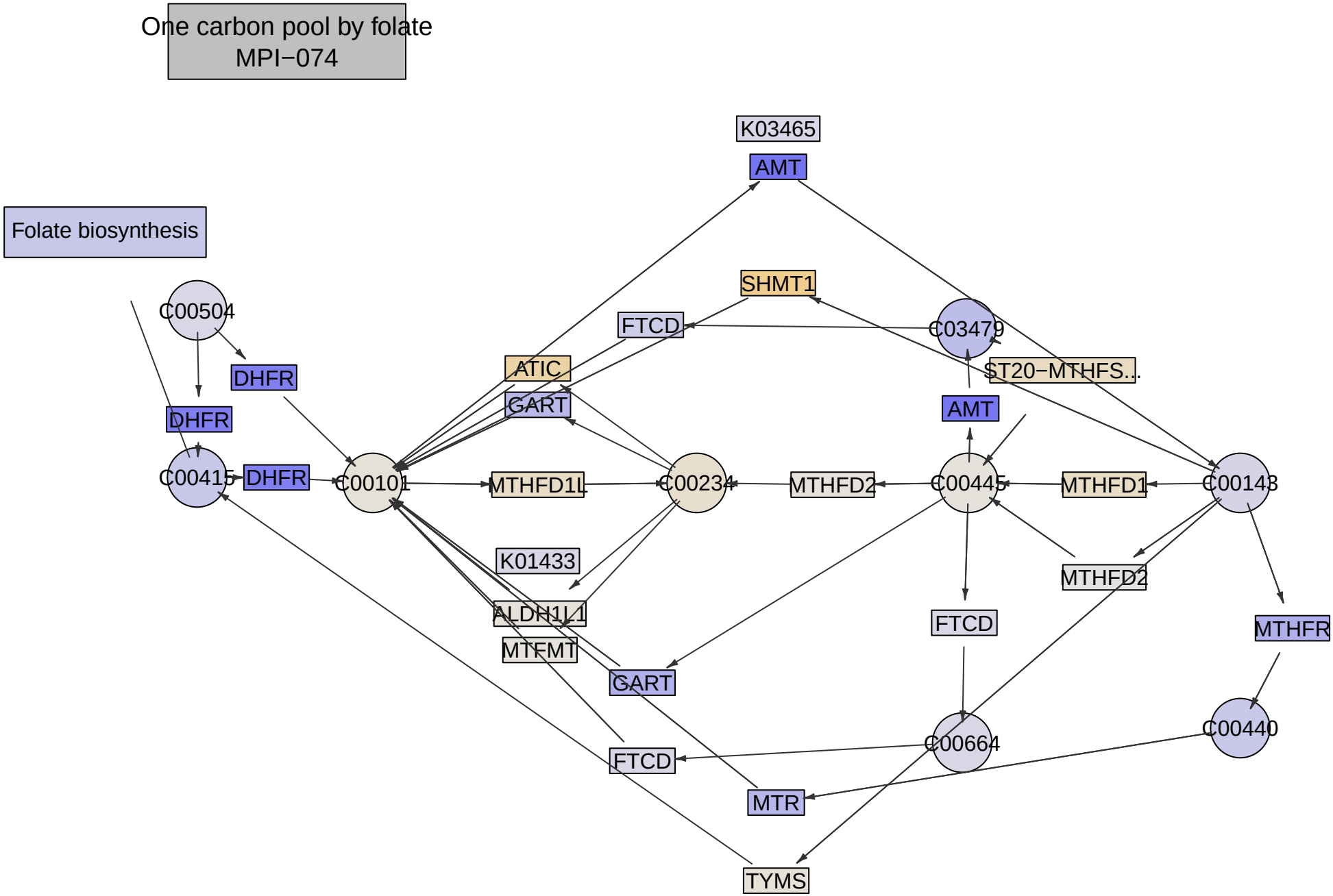
One carbon pool by folate
MPI−074
Folate biosynthesis
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GART
AMT
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DHFR
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DHFR
C00101
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C00445
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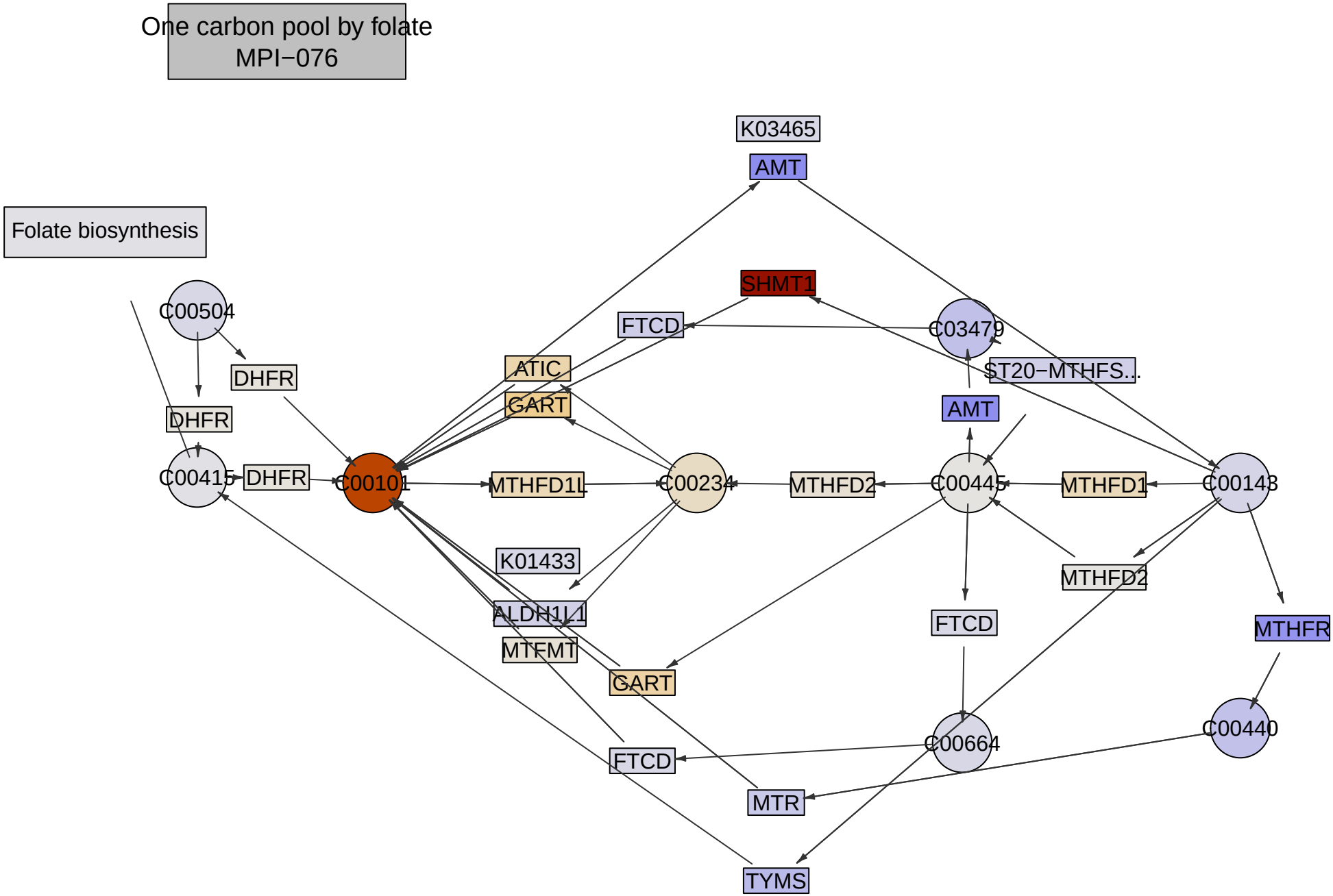
One carbon pool by folate
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DHFR
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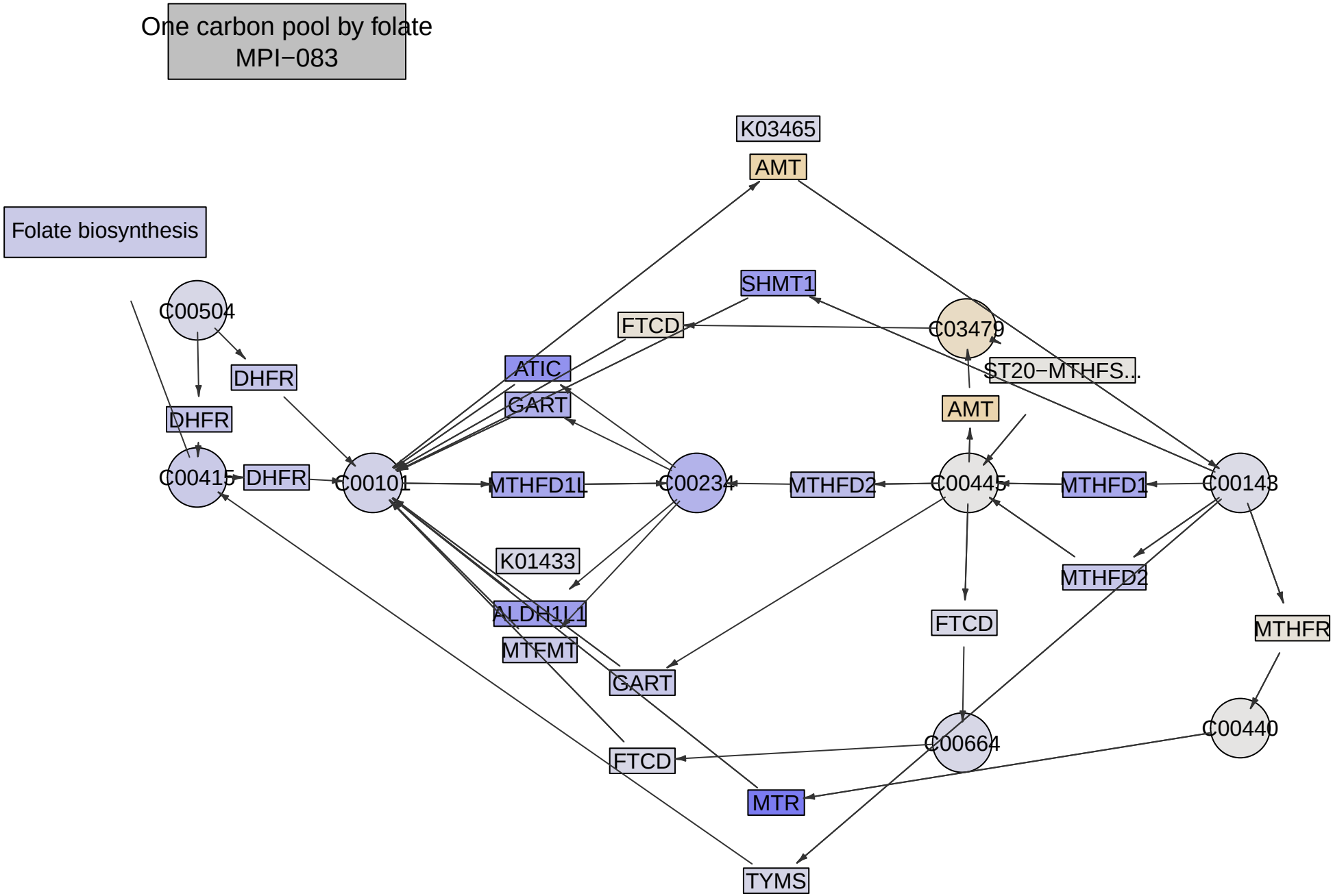
TYMS


One carbon pool by folate
MPI−083
Folate biosynthesis
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DHFR
C00101
MTHFD1L
C00234
MTHFD2
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MTHFD1
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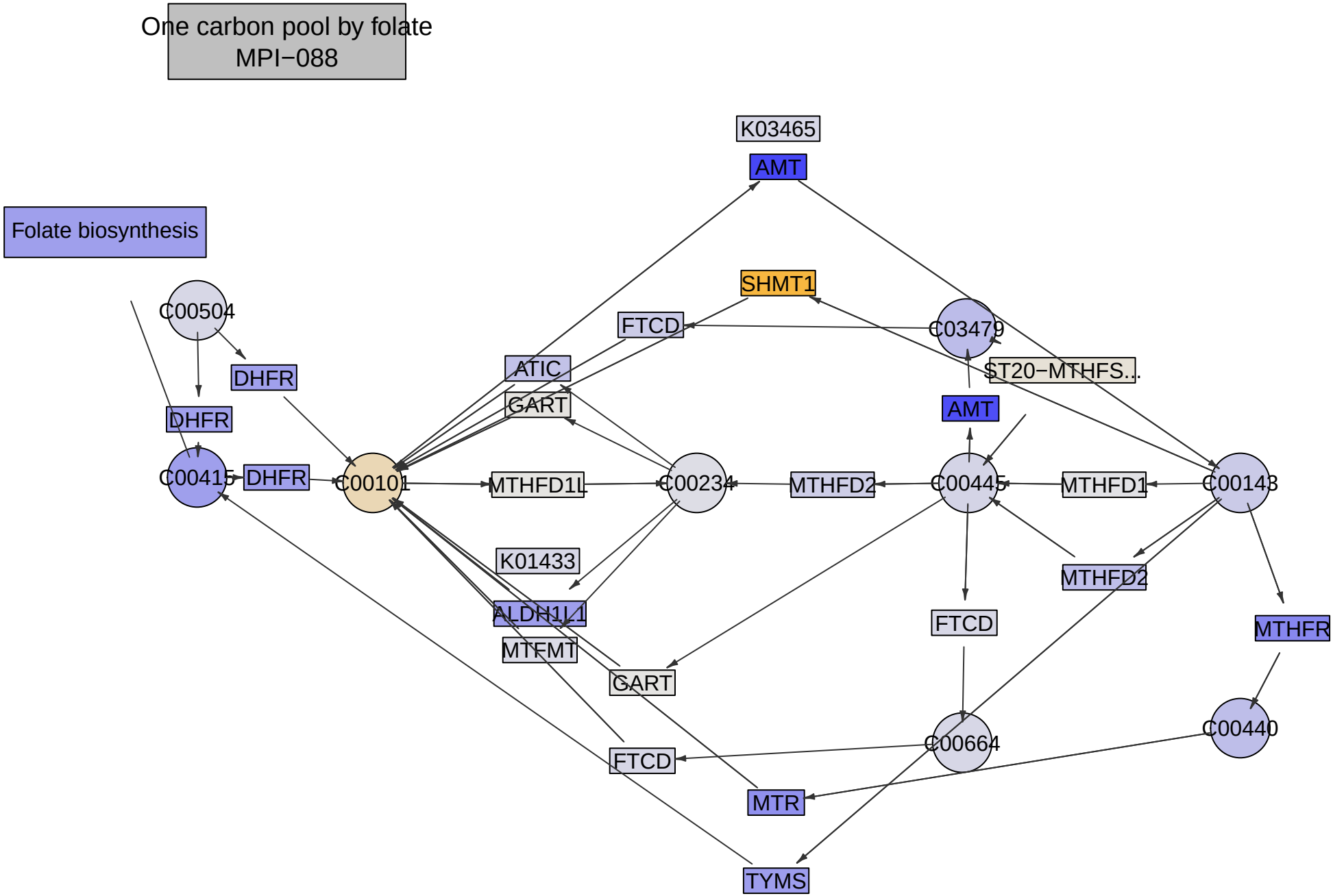
TYMS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DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
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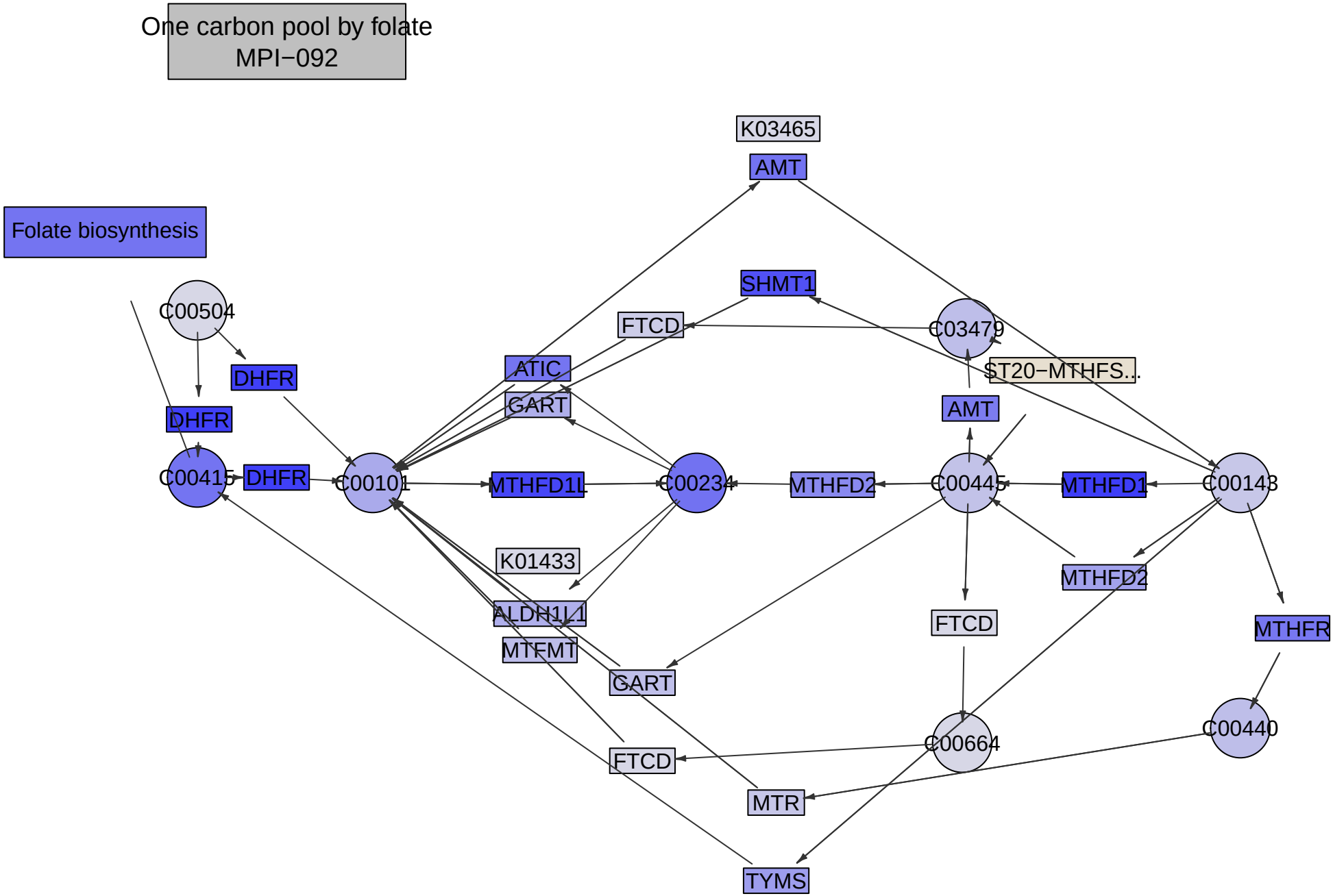
One carbon pool by folate
MPI−092
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DHFR
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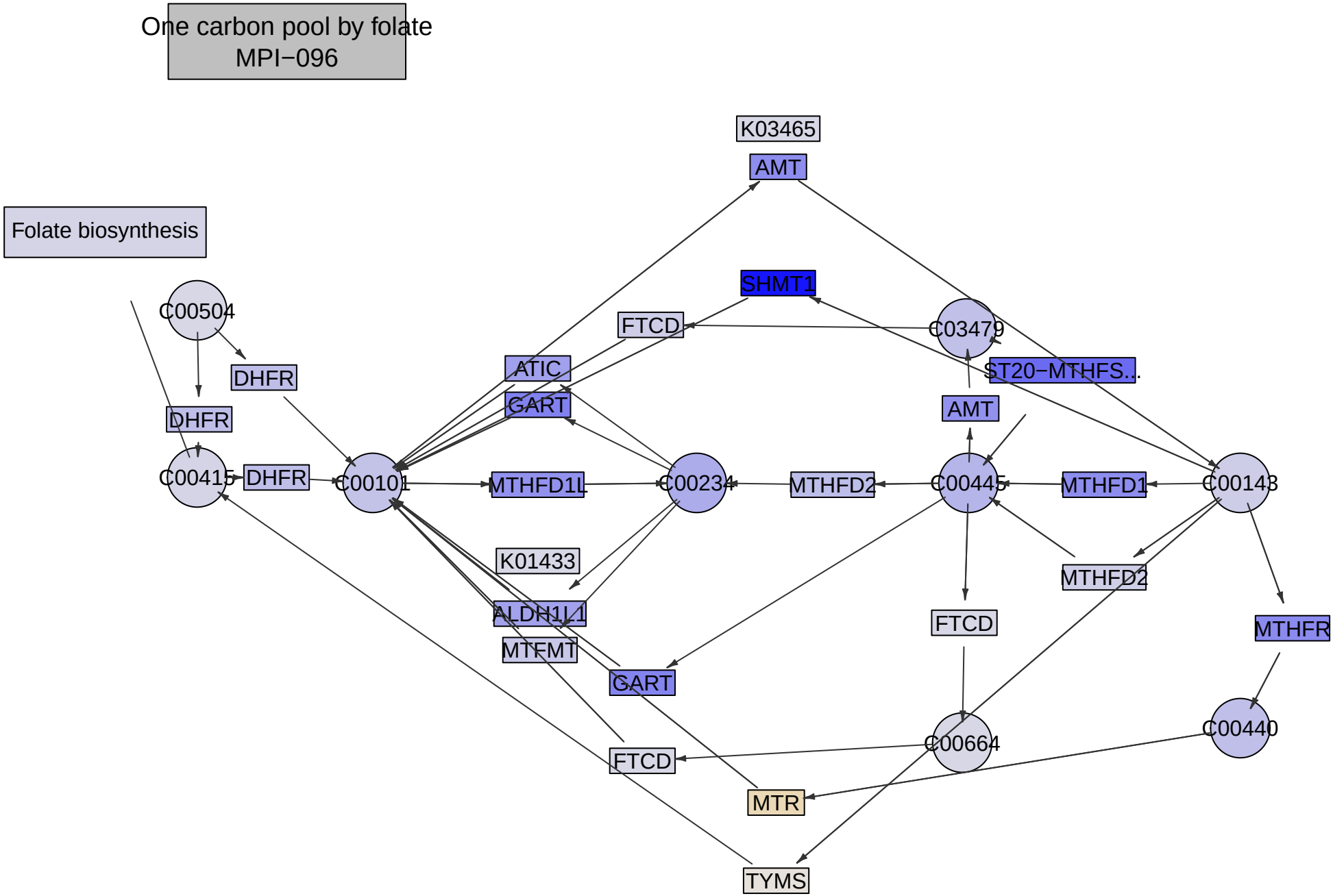
One carbon pool by folate
MPI−096
Folate biosynthesis
K03465
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GART
AMT
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DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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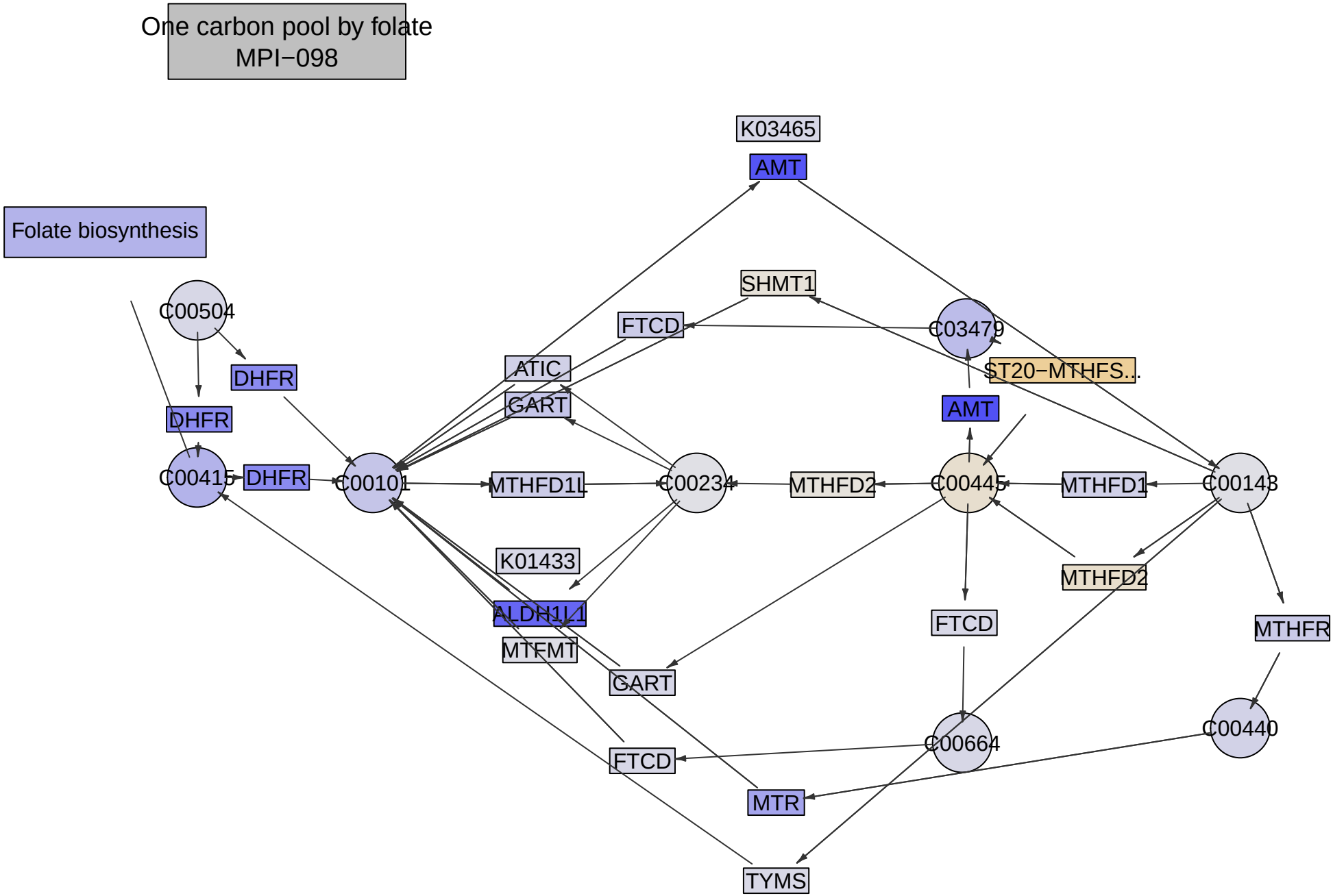
One carbon pool by folate
MPI−098
Folate biosynthesis
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ATIC
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DHFR
GART
AMT
DHFR
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DHFR
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C00234
MTHFD2
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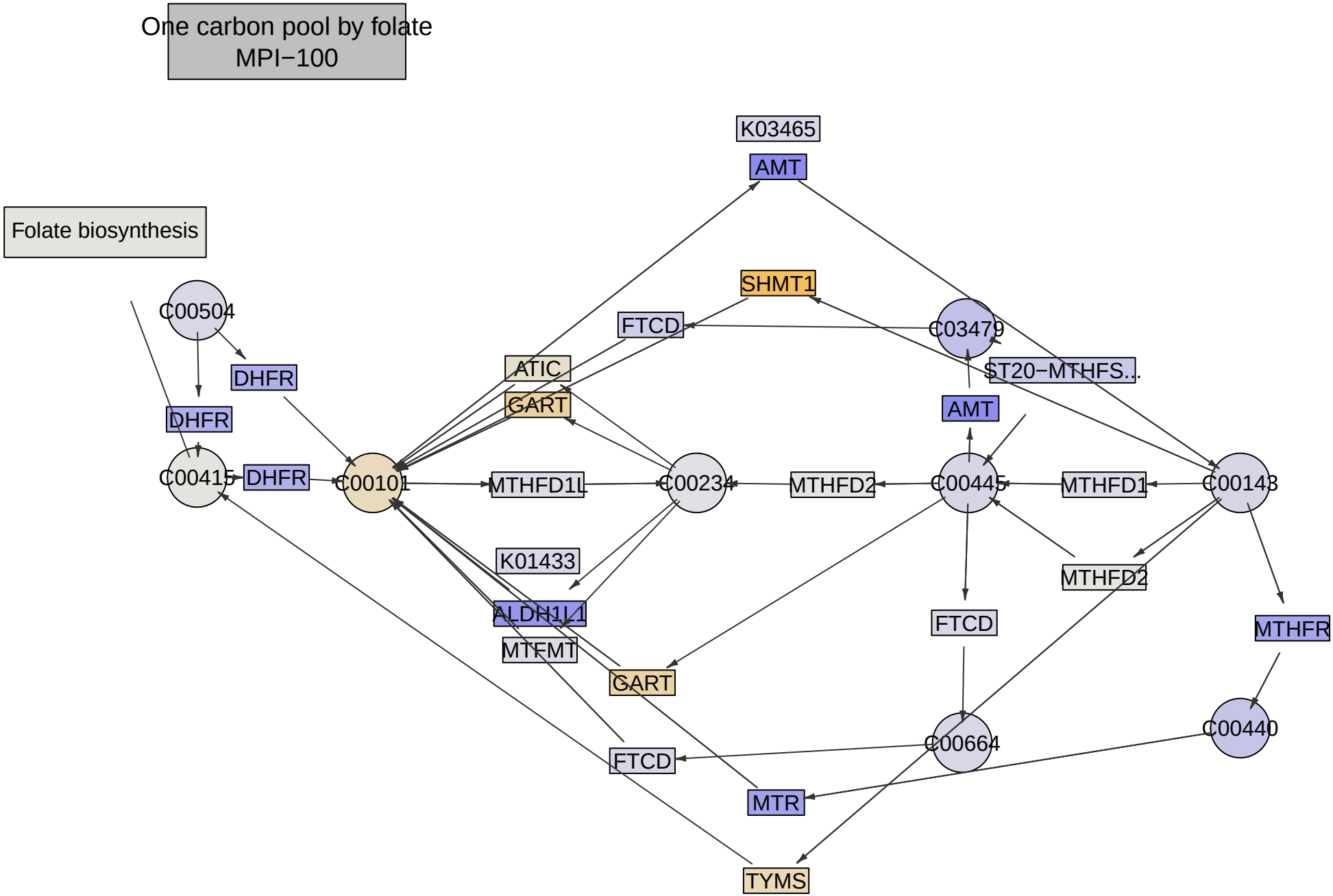
One carbon pool by folate
MPI−100
Folate biosynthesis
K03465
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ST20−MTHFS...
GART
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DHFR
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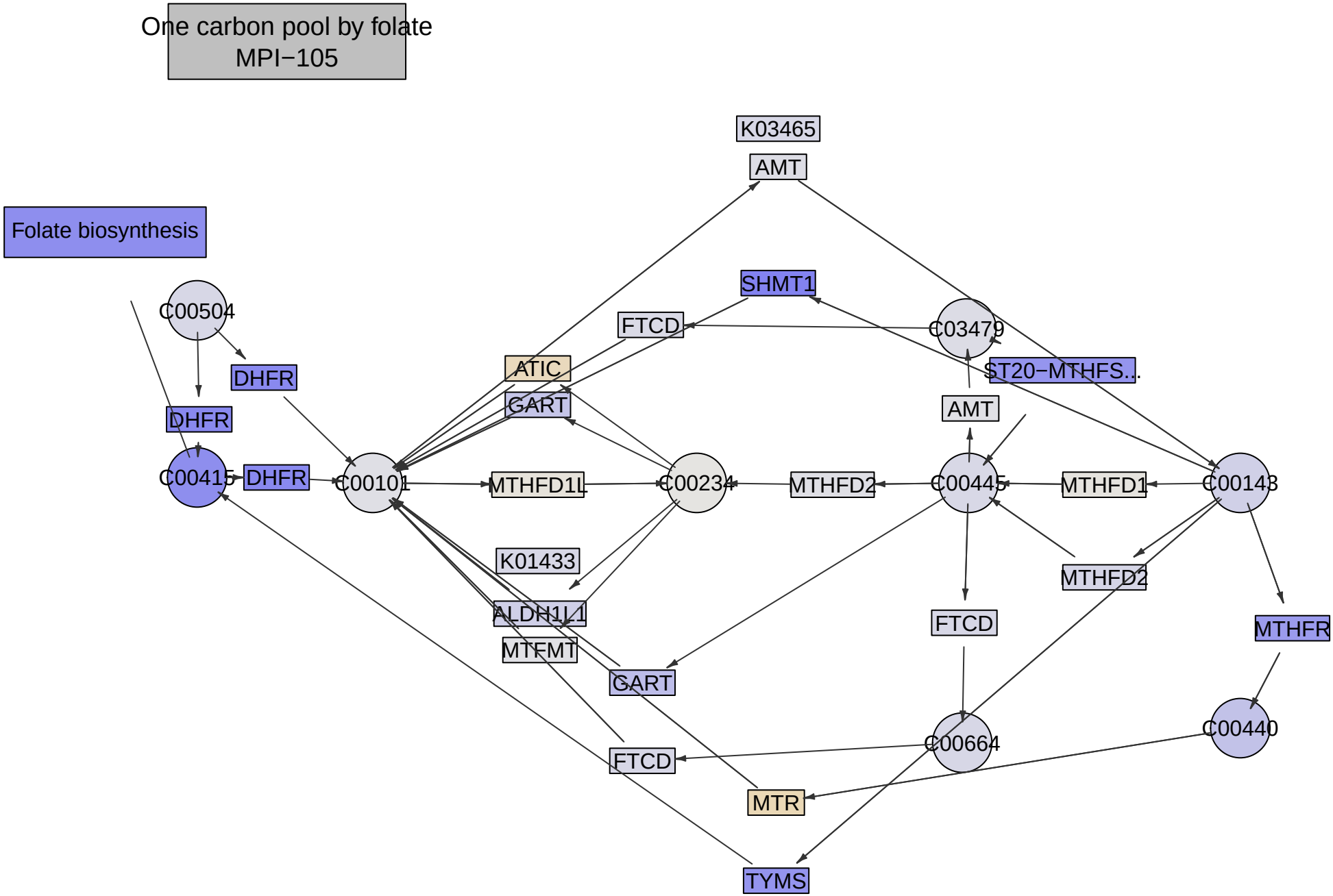
One carbon pool by folate
MPI−105
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DHFR
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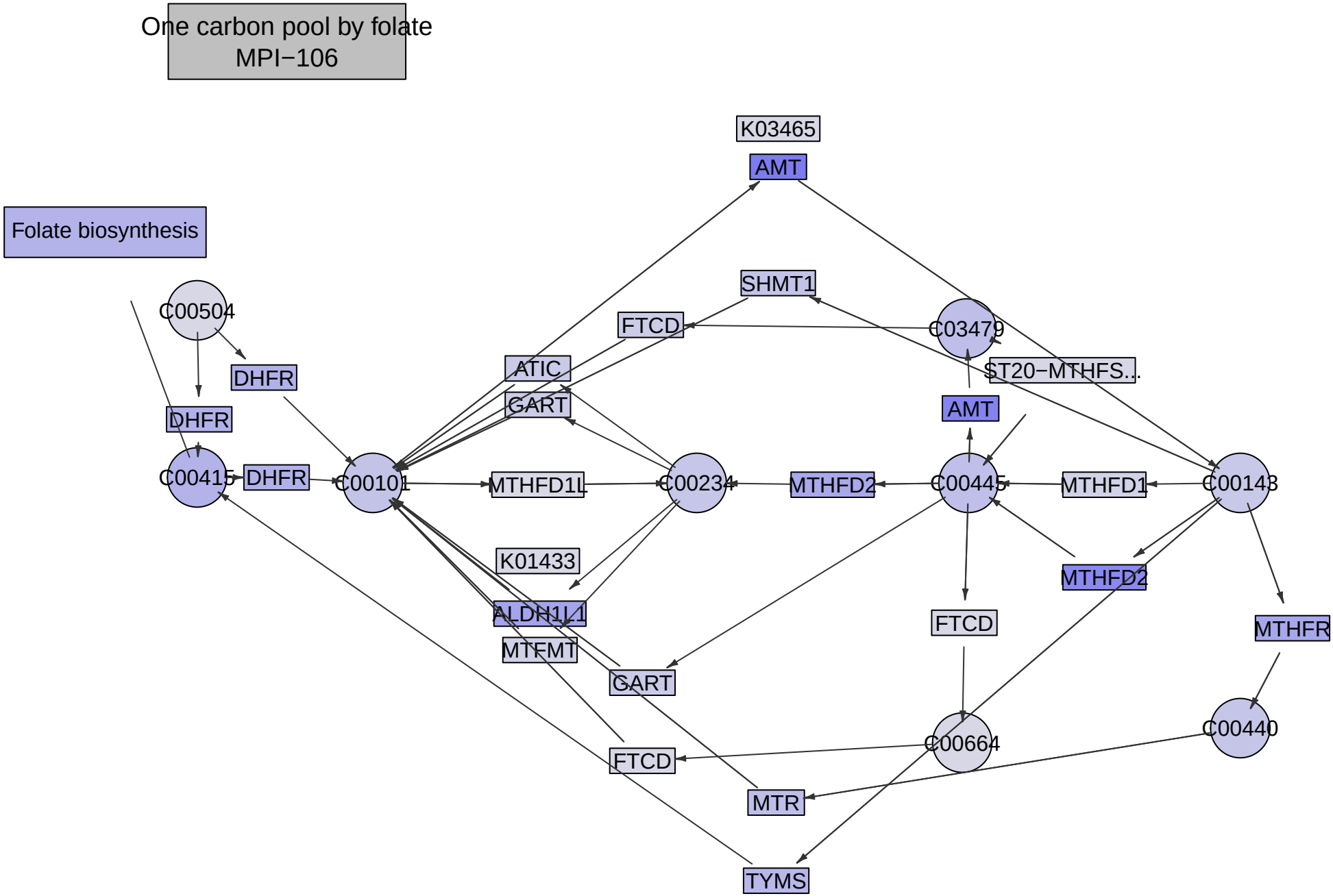
One carbon pool by folate
MPI−106
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DHFR
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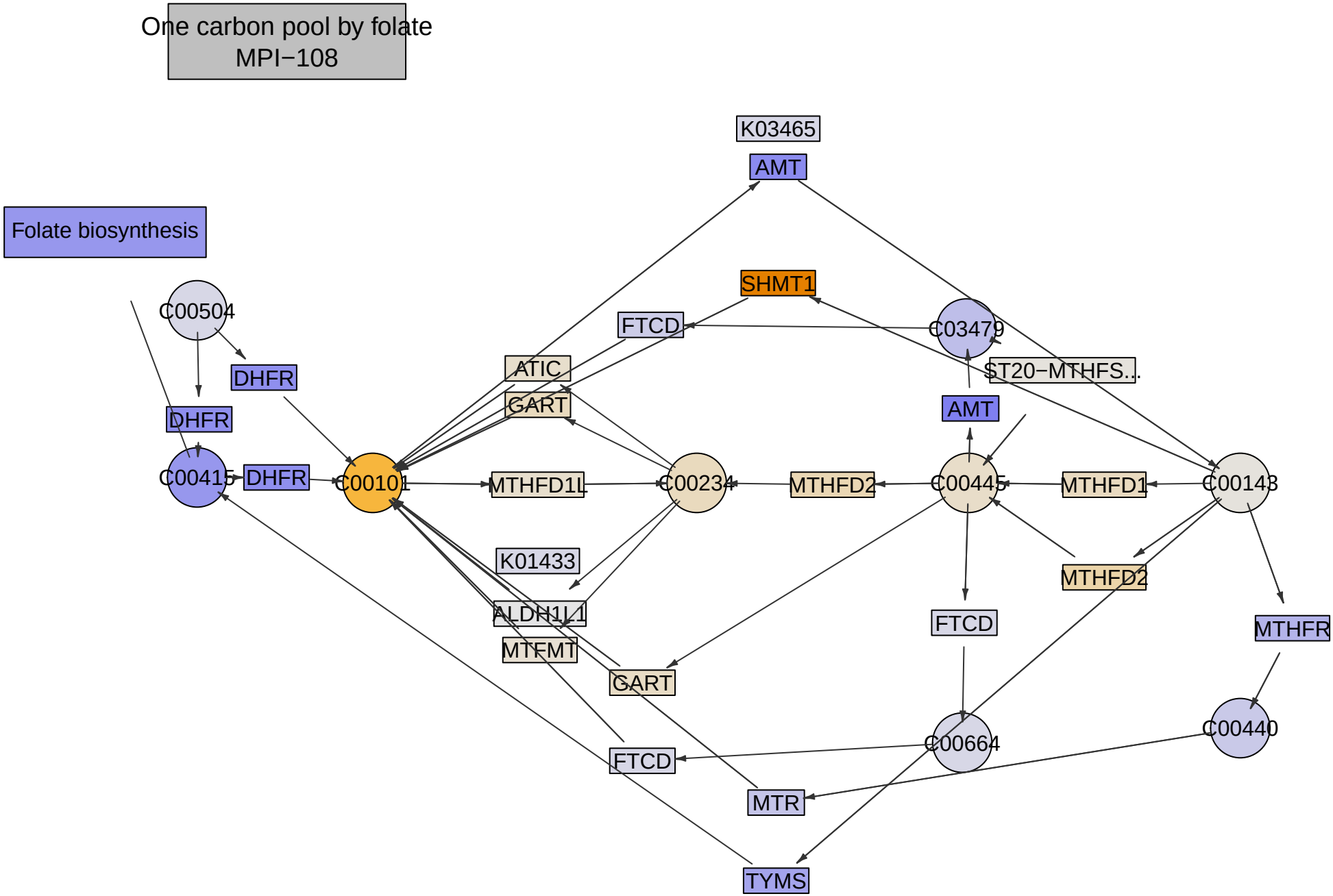
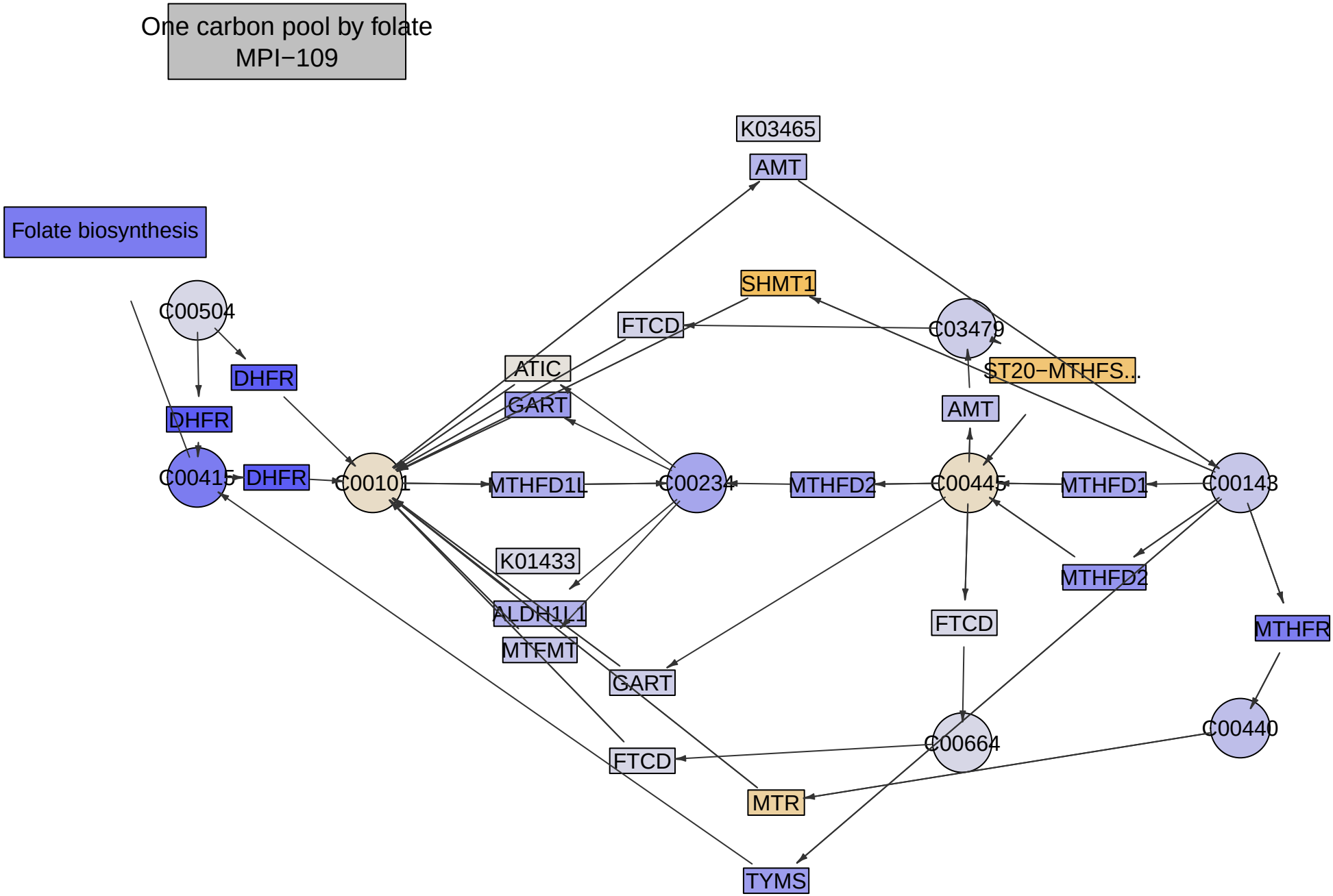
MTR
TYMS


One carbon pool by folate
MPI−108
Folate biosynthesis
K03465
AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−109
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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FTCD
MTHFR
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GART
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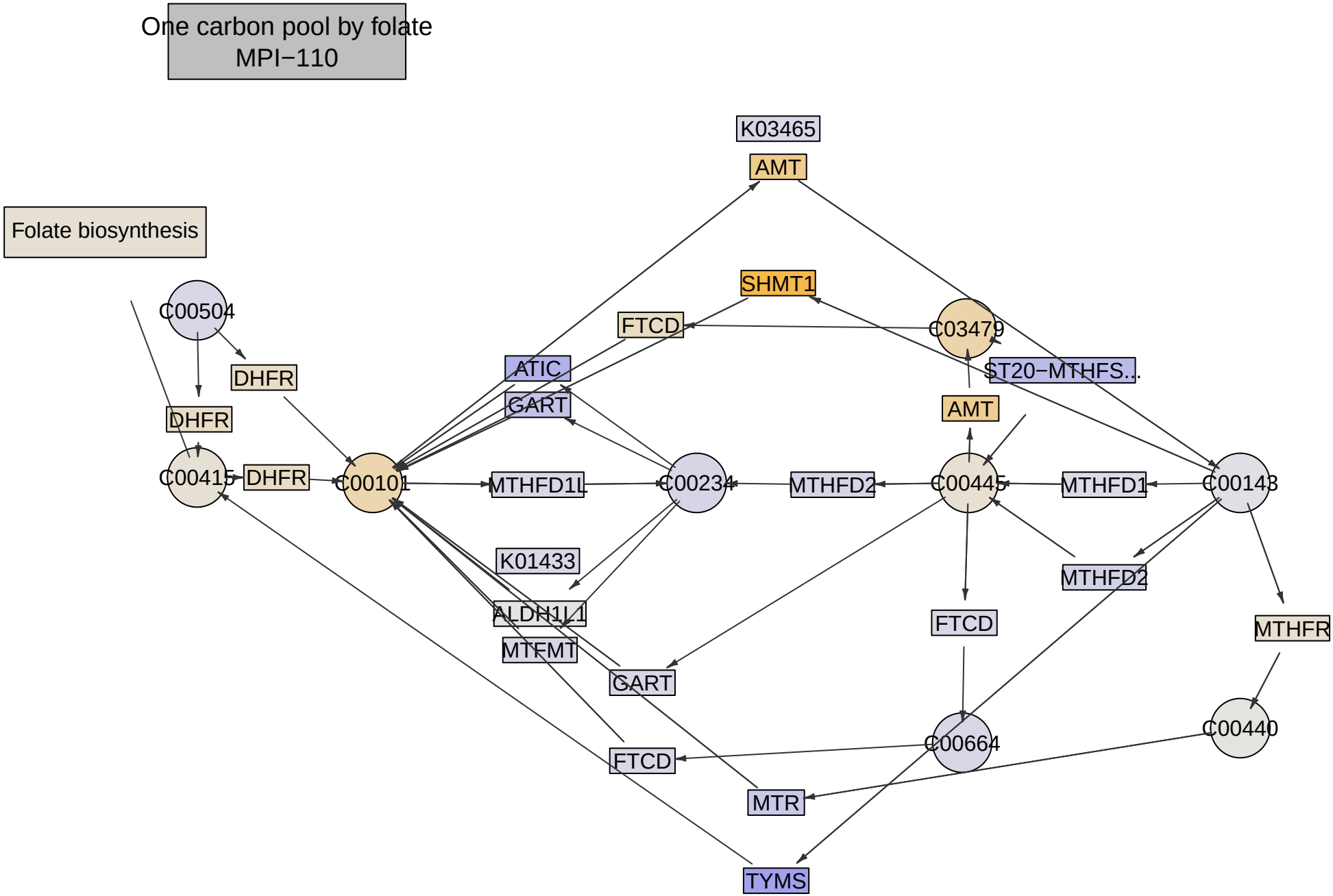
FTCD
MTR
TYMS


One carbon pool by folate
MPI−110
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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MTHFD2
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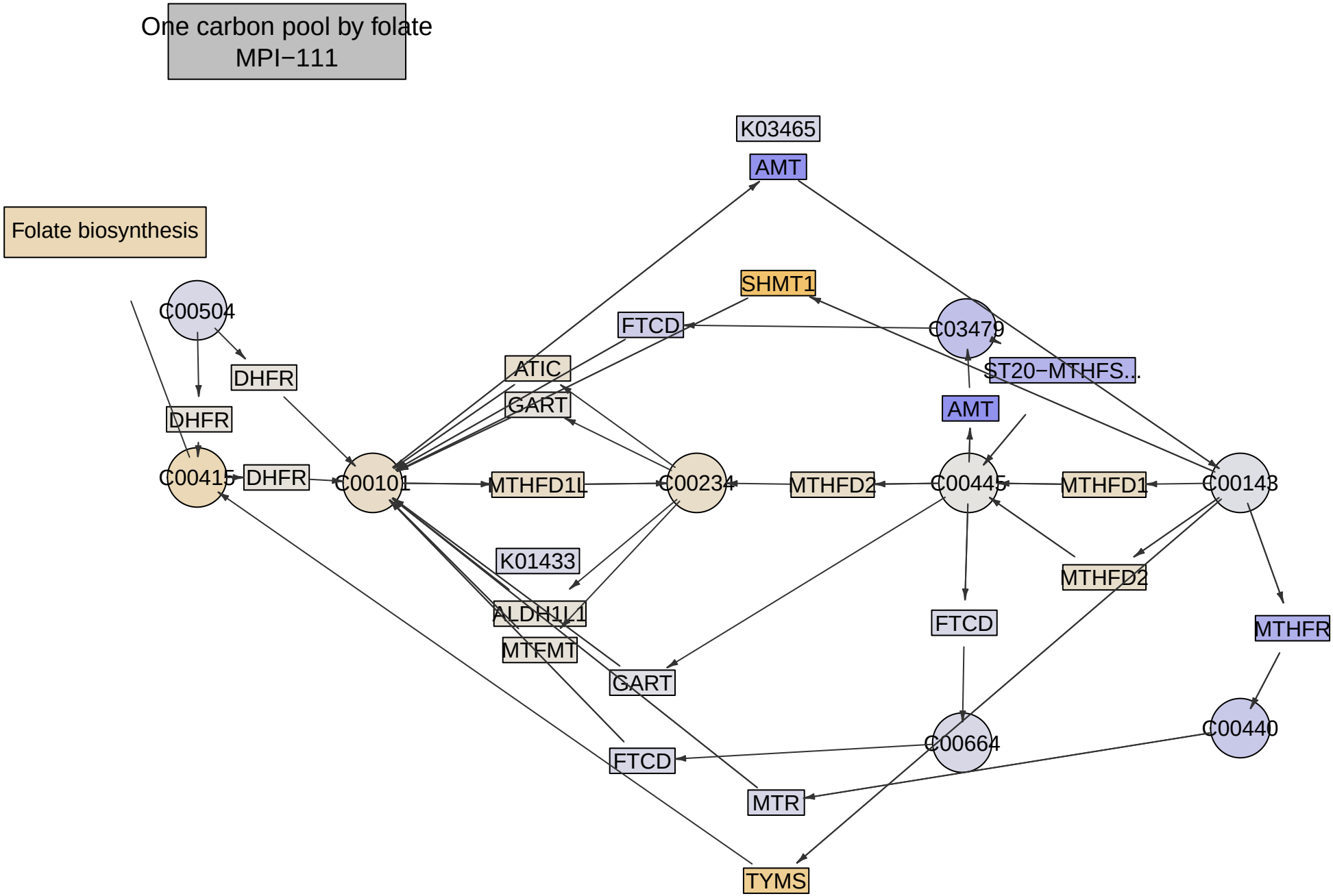
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−111
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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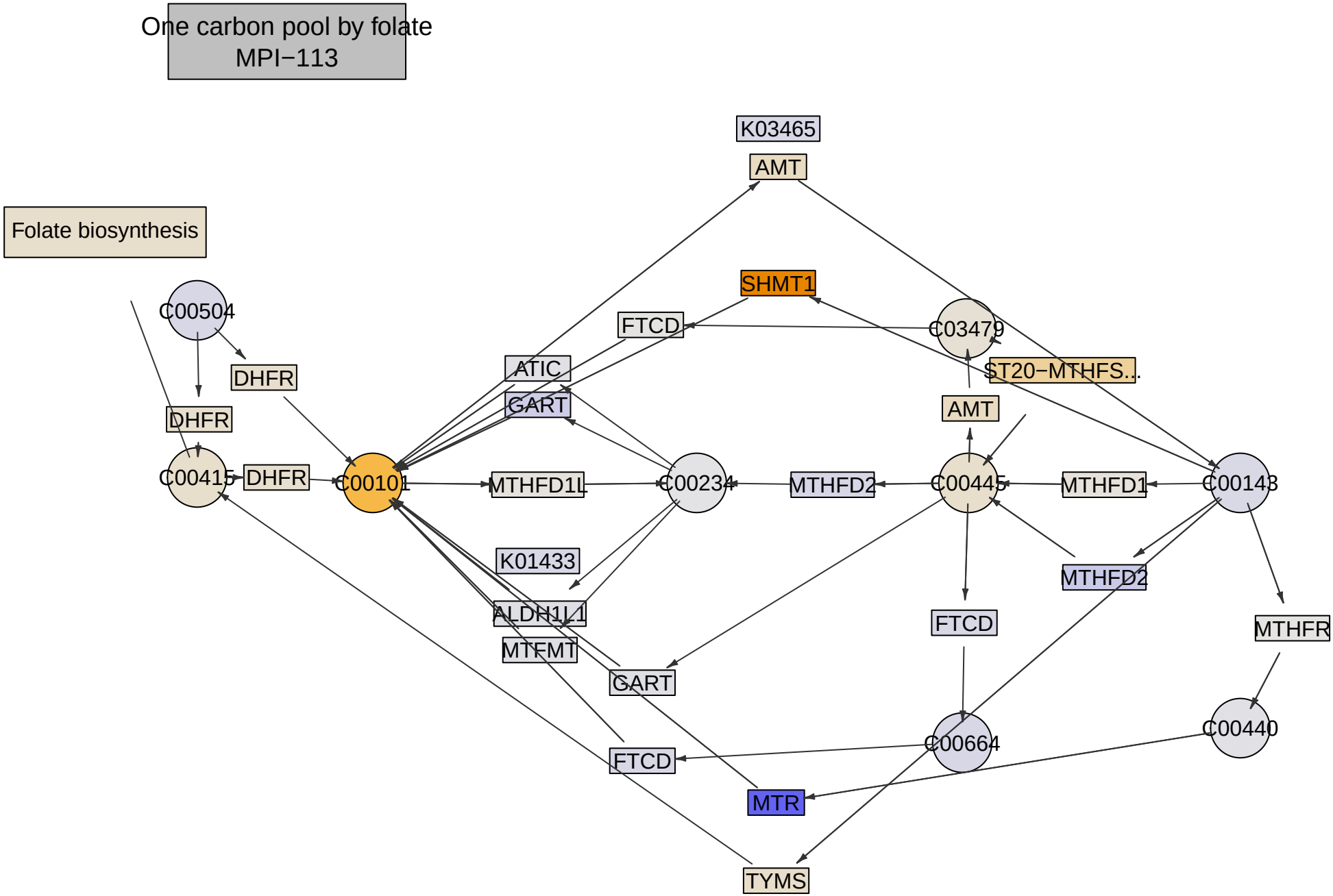
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−113
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
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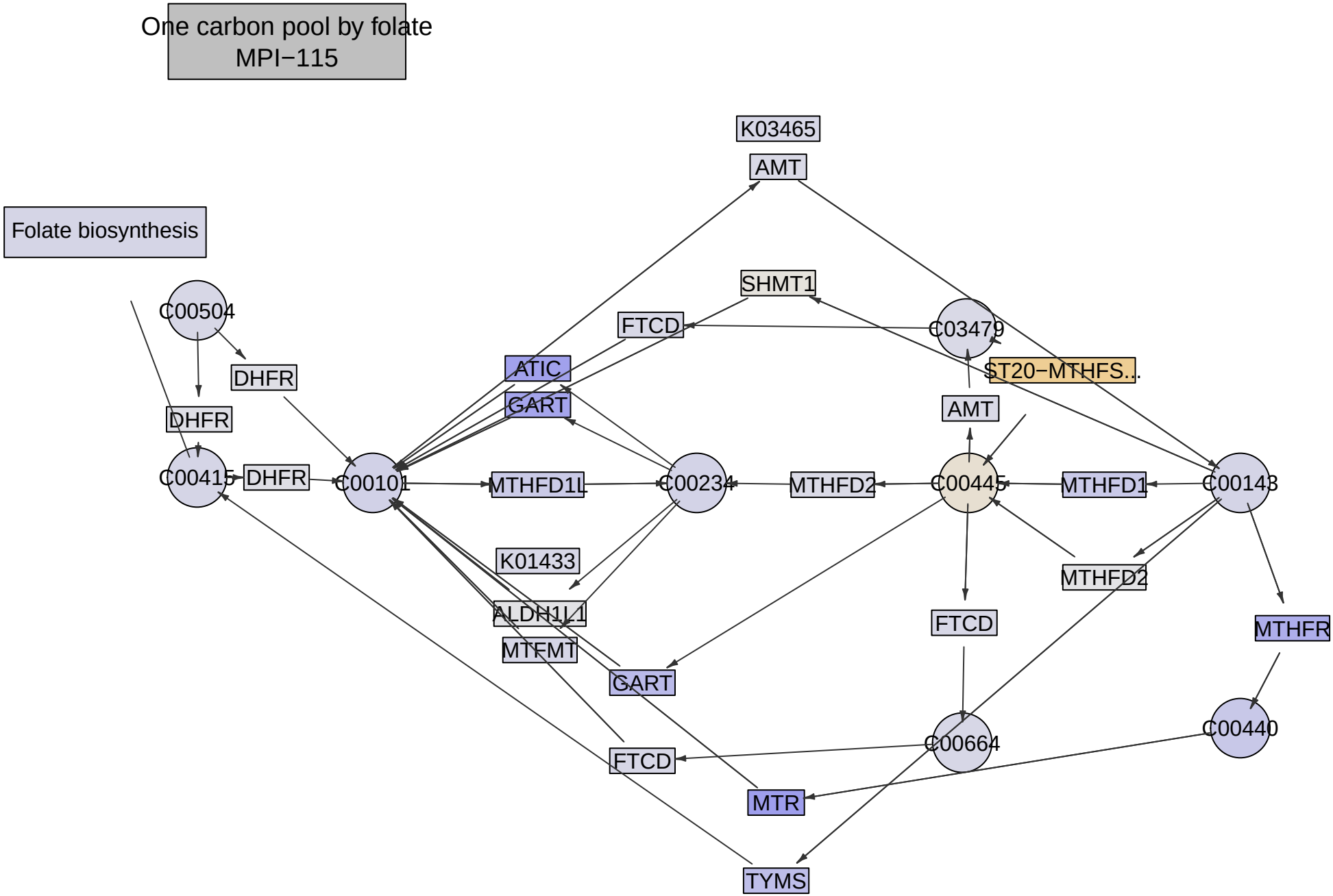
FTCD
MTR
TYMS


One carbon pool by folate
MPI−115
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
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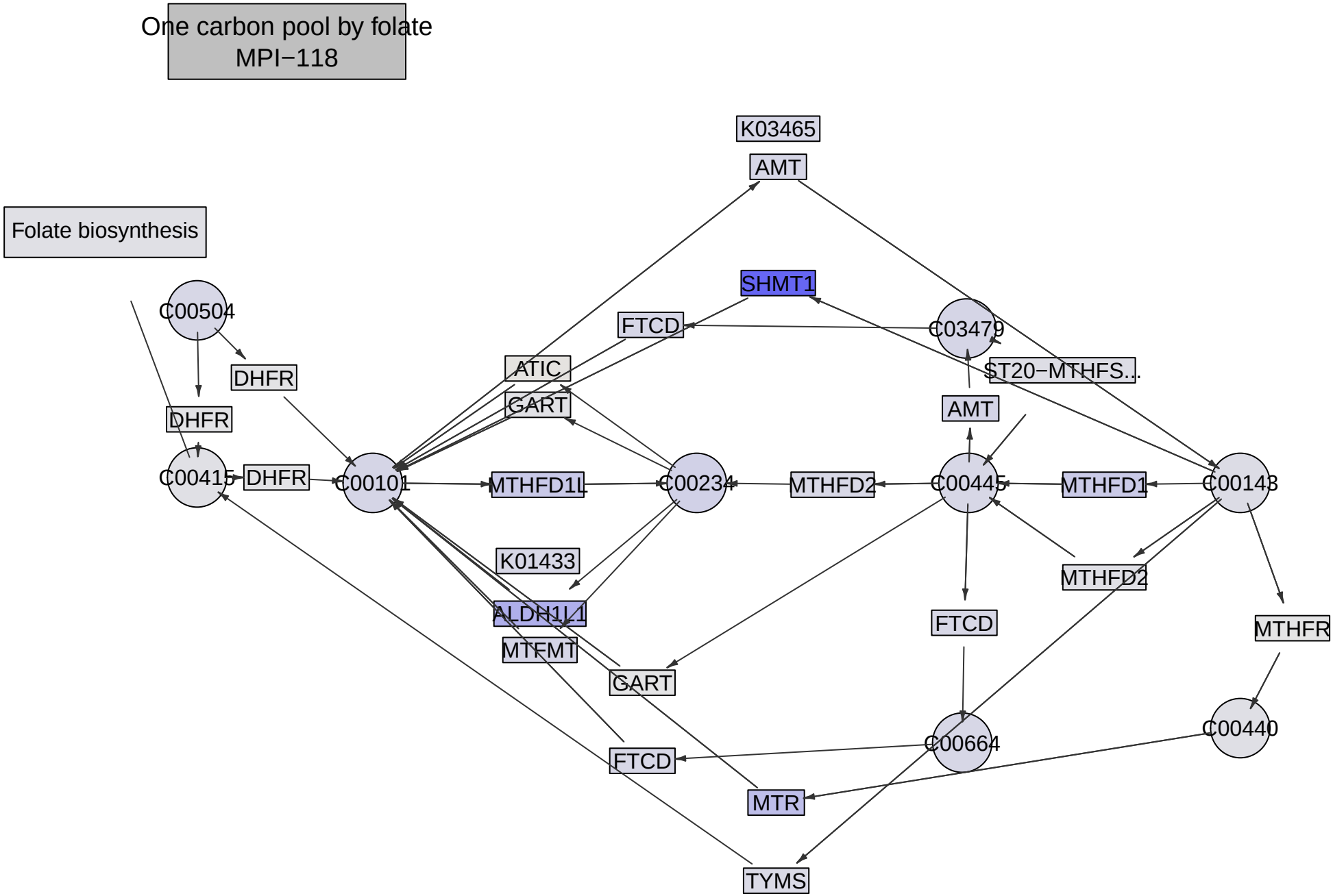
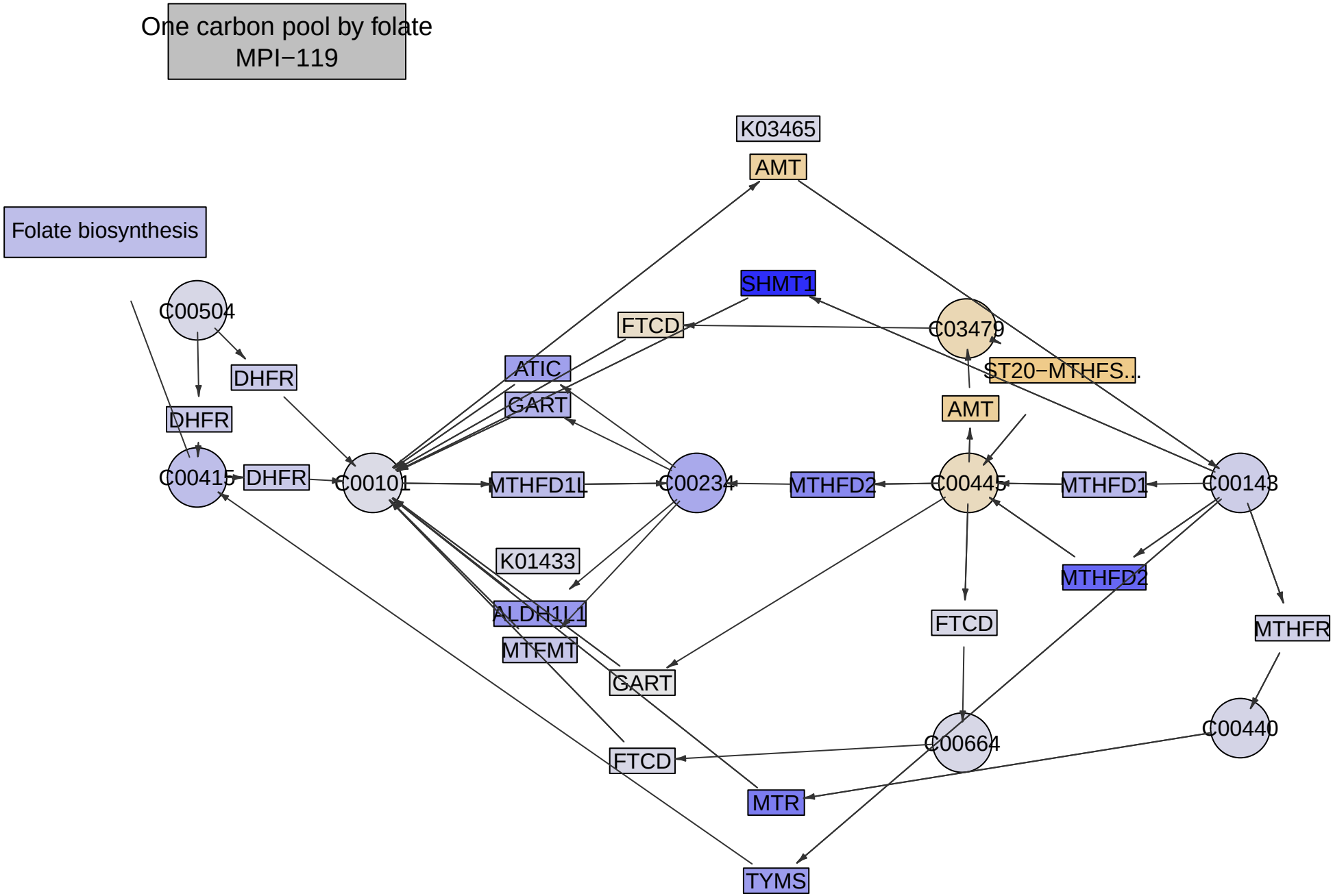
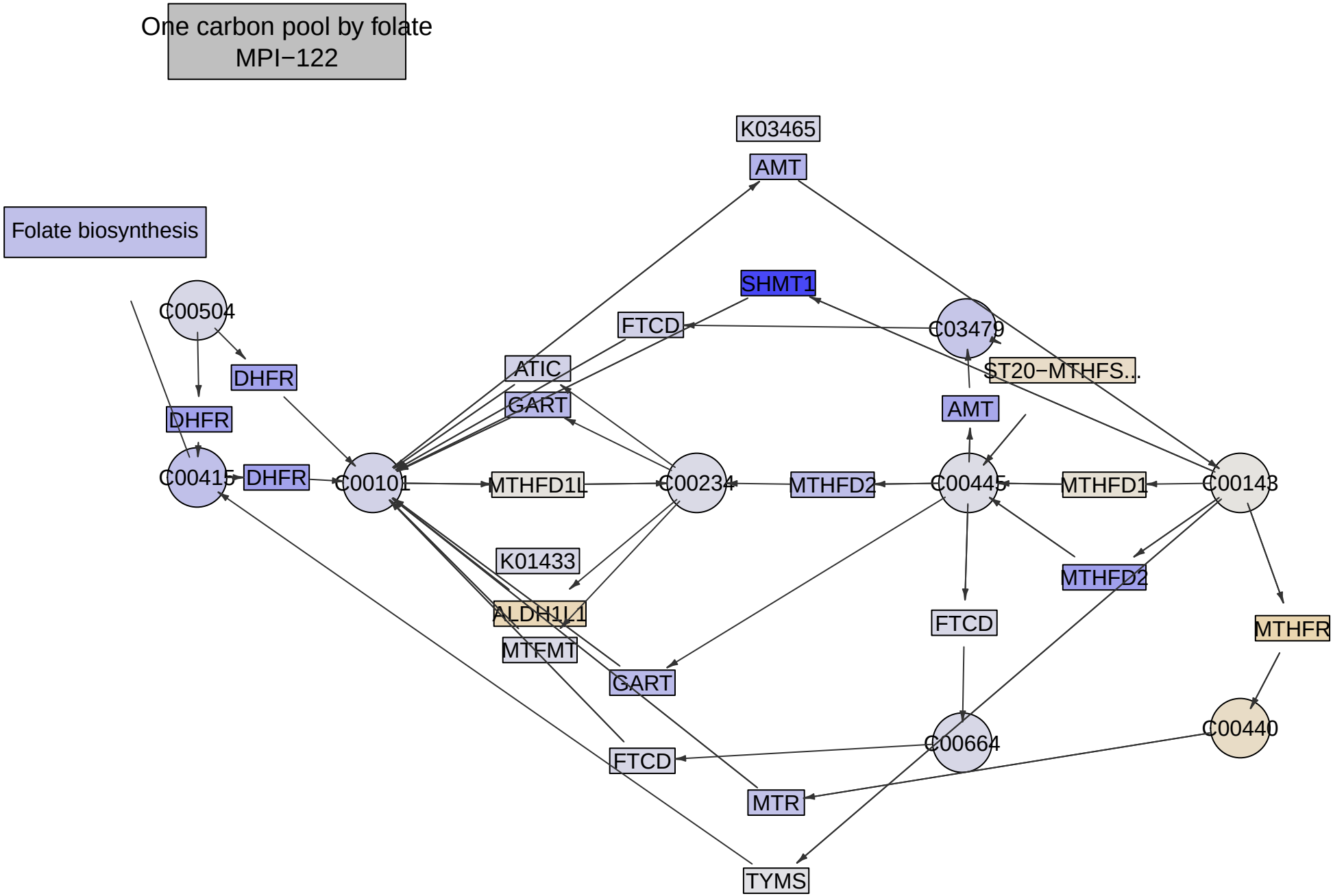
FTCD
MTR
TYMS


One carbon pool by folate
MPI−118
Folate biosynthesis
K03465
AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−119
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
AMT
C00504
DHFR
DHFR
ATIC
GART
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−122
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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MTFMT
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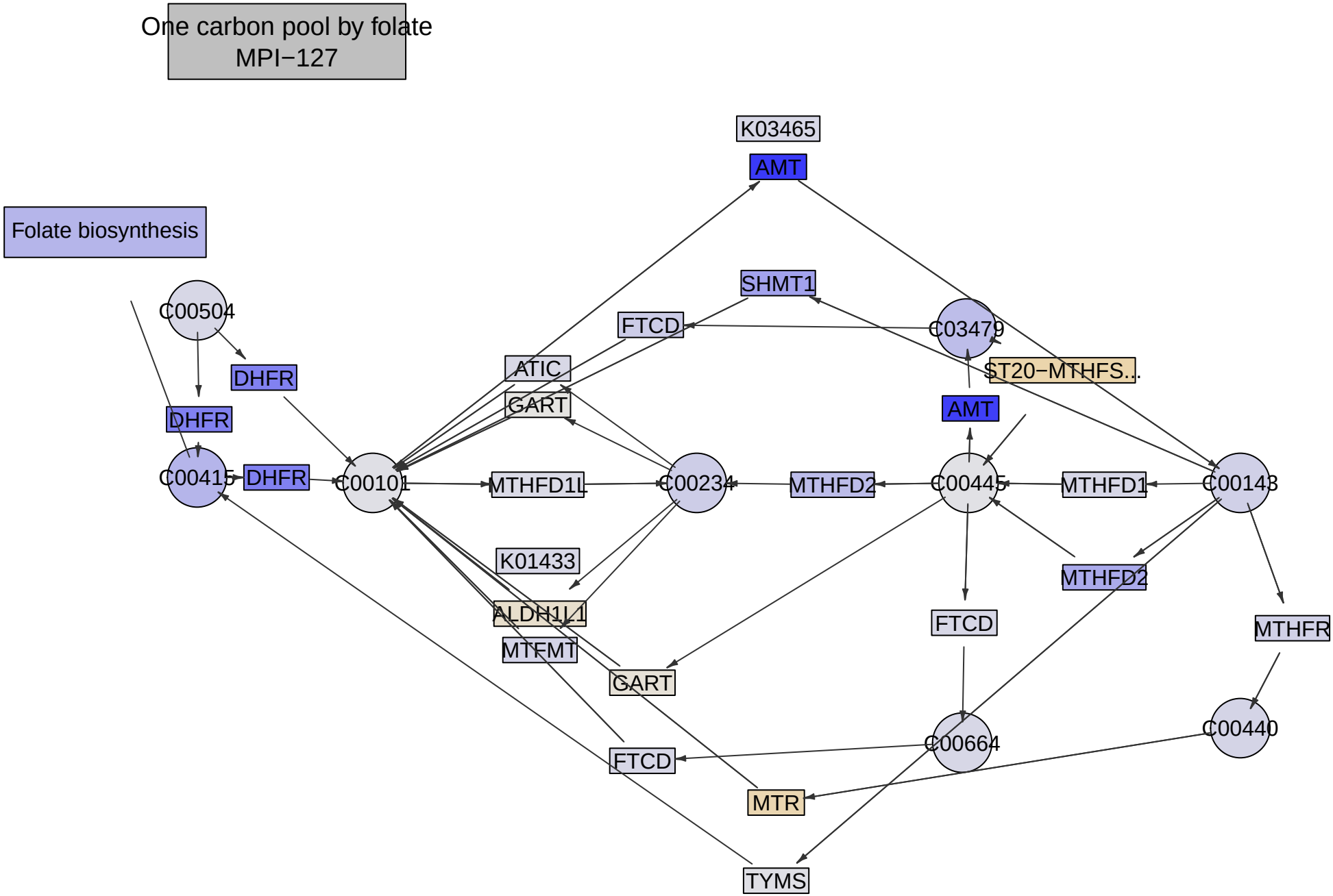
FTCD
MTR
TYMS


One carbon pool by folate
MPI−127
Folate biosynthesis
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SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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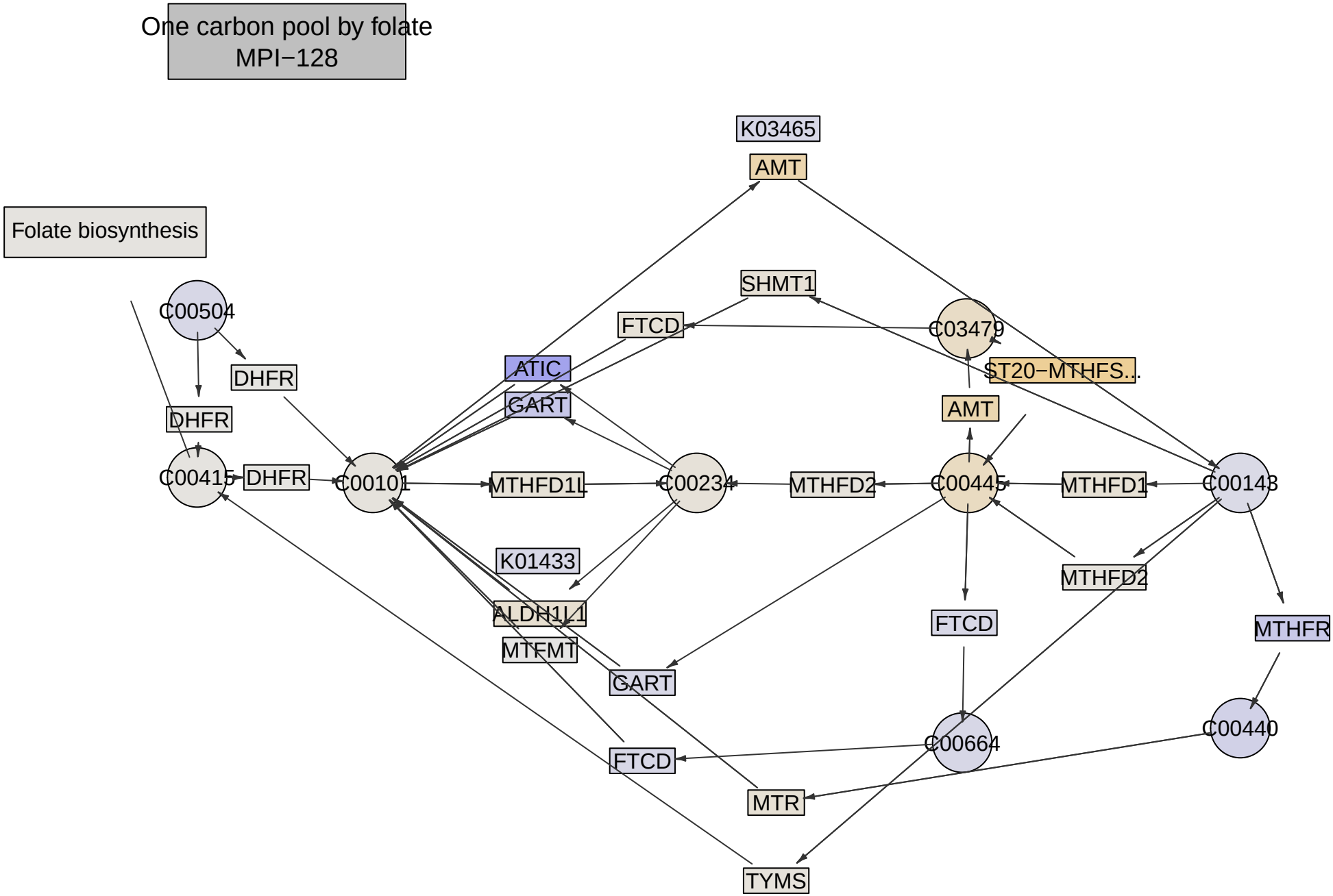
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
C00440
FTCD
MTR
TYMS


One carbon pool by folate
MPI−128
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
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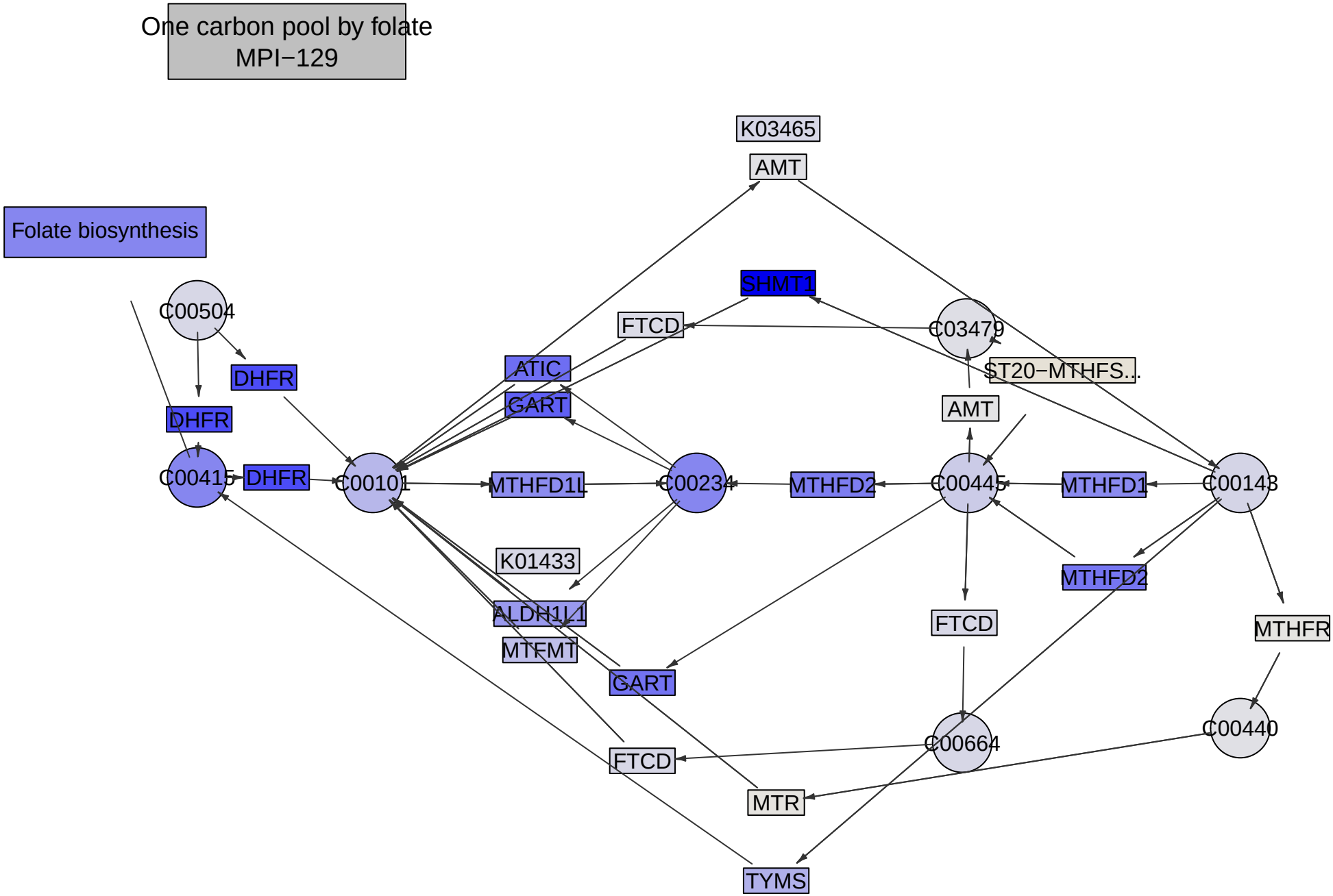
FTCD
MTR
TYMS


One carbon pool by folate
MPI−129
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
ATIC
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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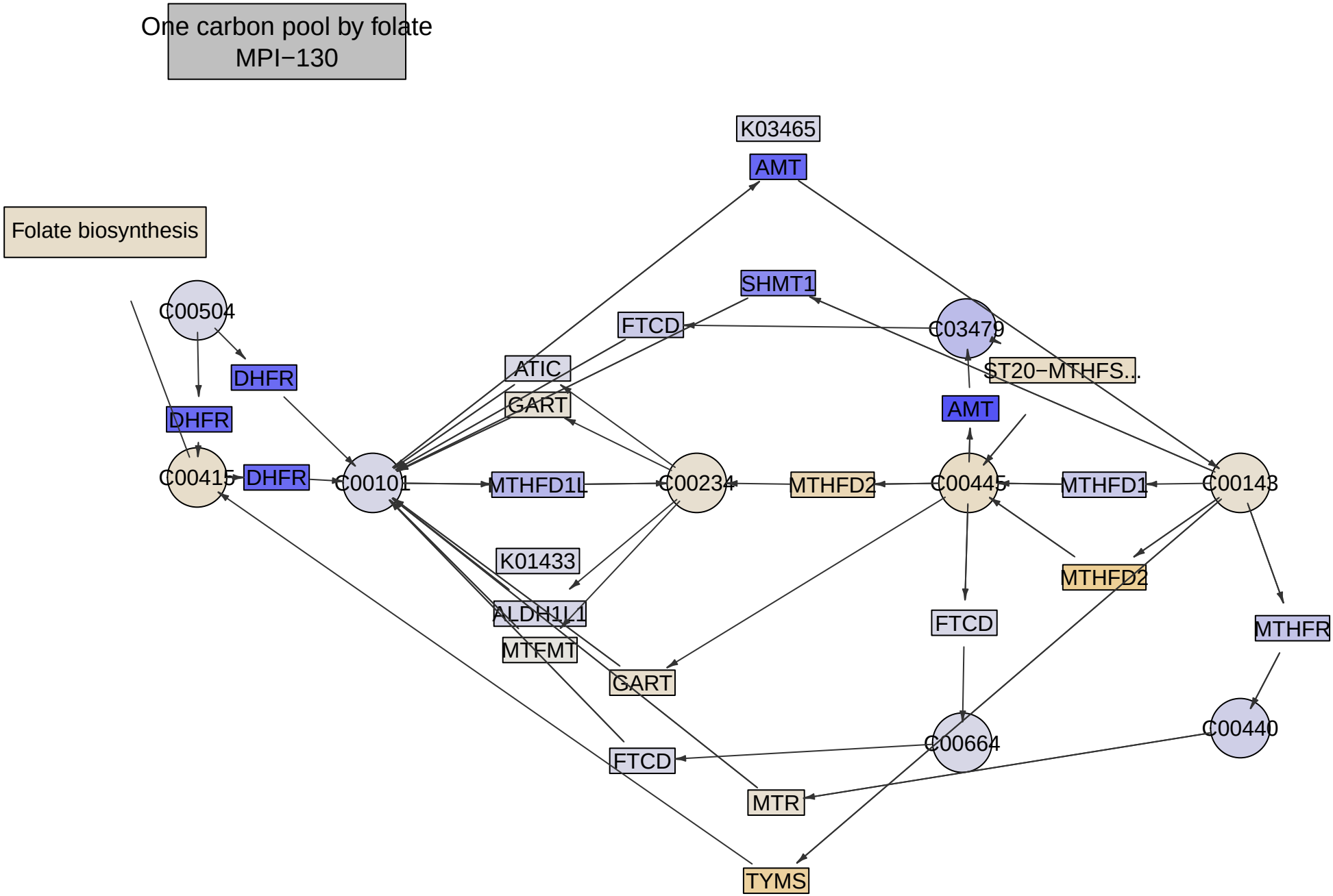
One carbon pool by folate
MPI−130
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
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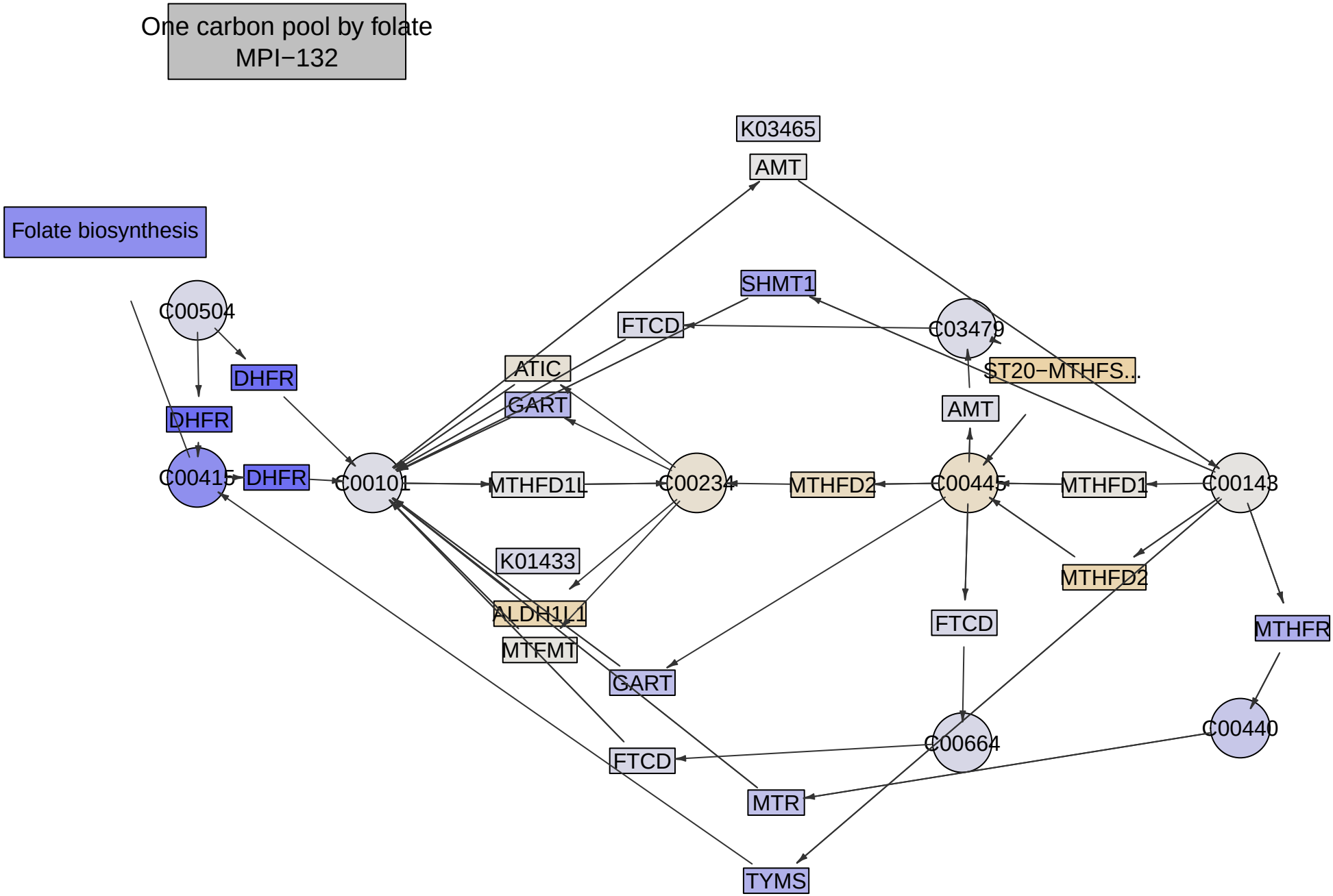
FTCD
MTR
TYMS


One carbon pool by folate
MPI−132
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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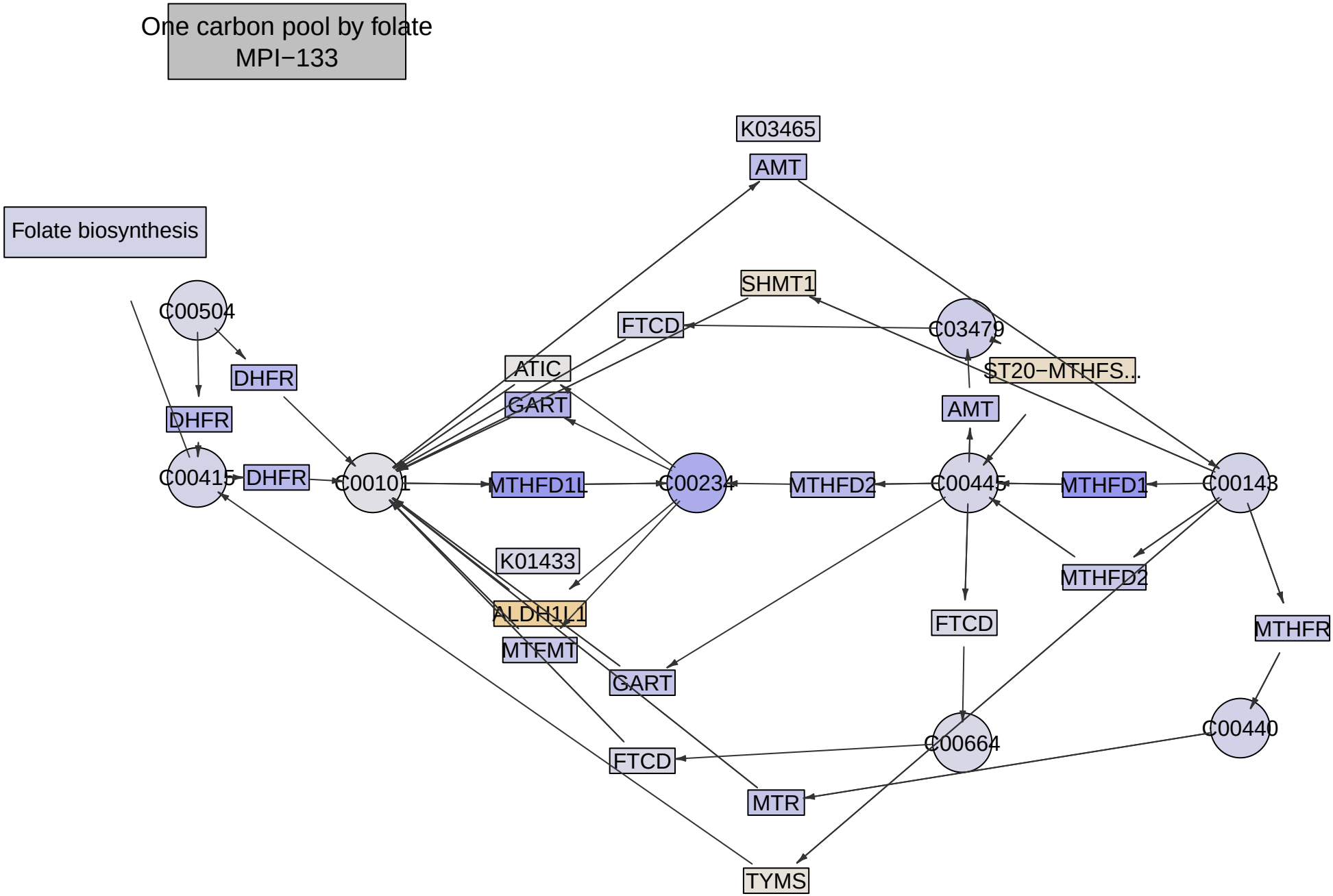
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−133
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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GART
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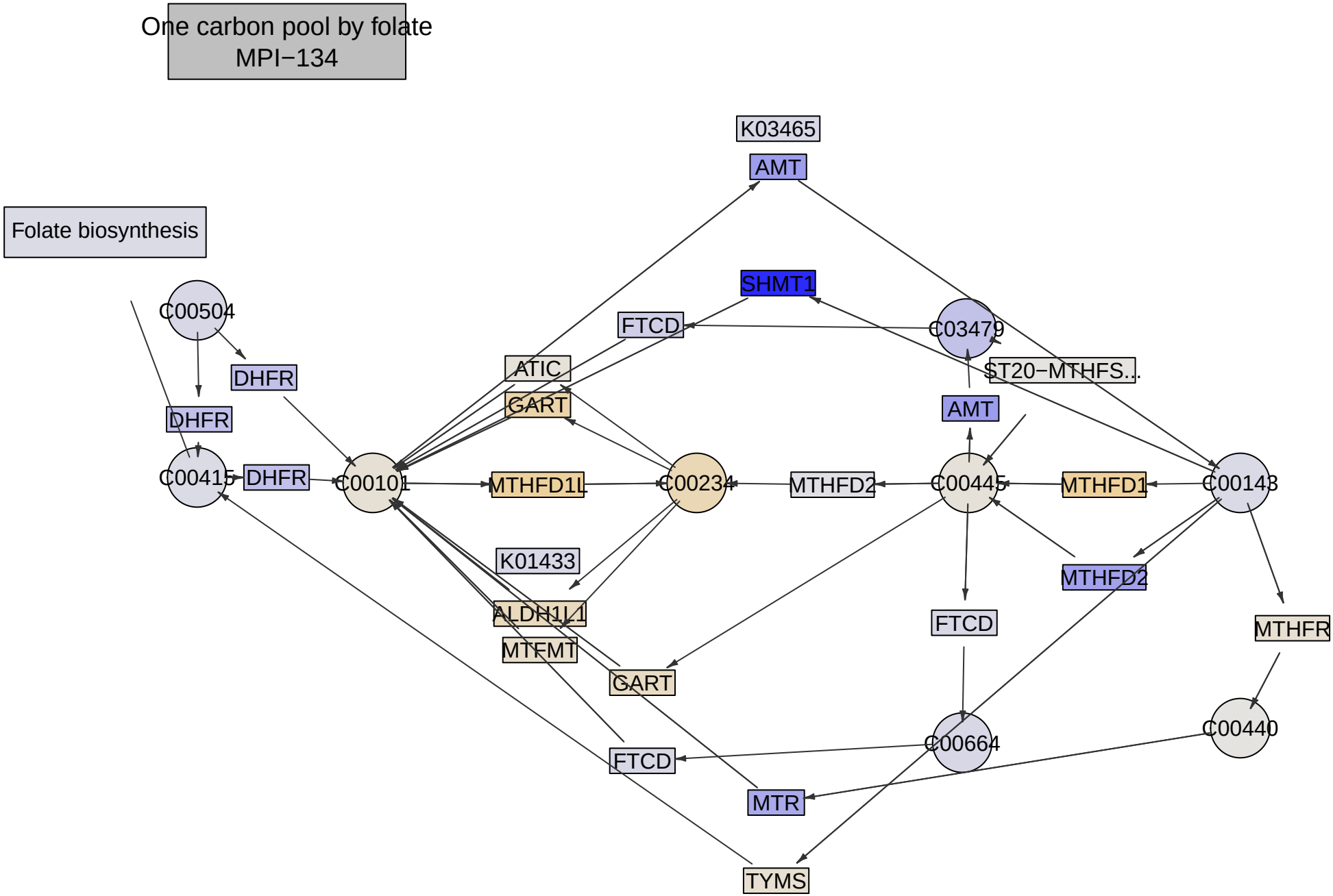
FTCD
MTR
TYMS


One carbon pool by folate
MPI−134
Folate biosynthesis
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AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
MTHFR
MTFMT
GART
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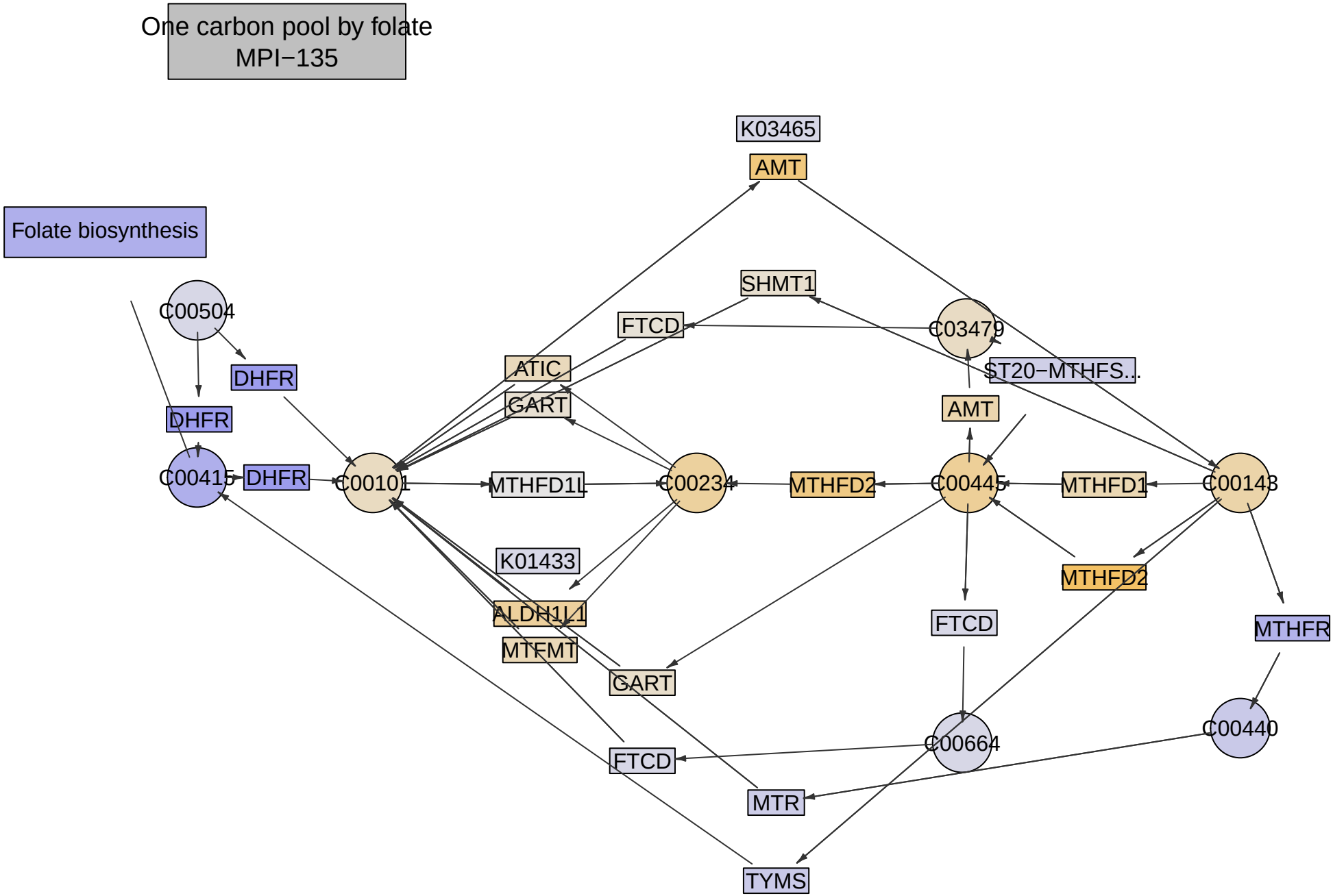
FTCD
MTR
TYMS


One carbon pool by folate
MPI−135
Folate biosynthesis
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AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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FTCD
MTHFR
MTFMT
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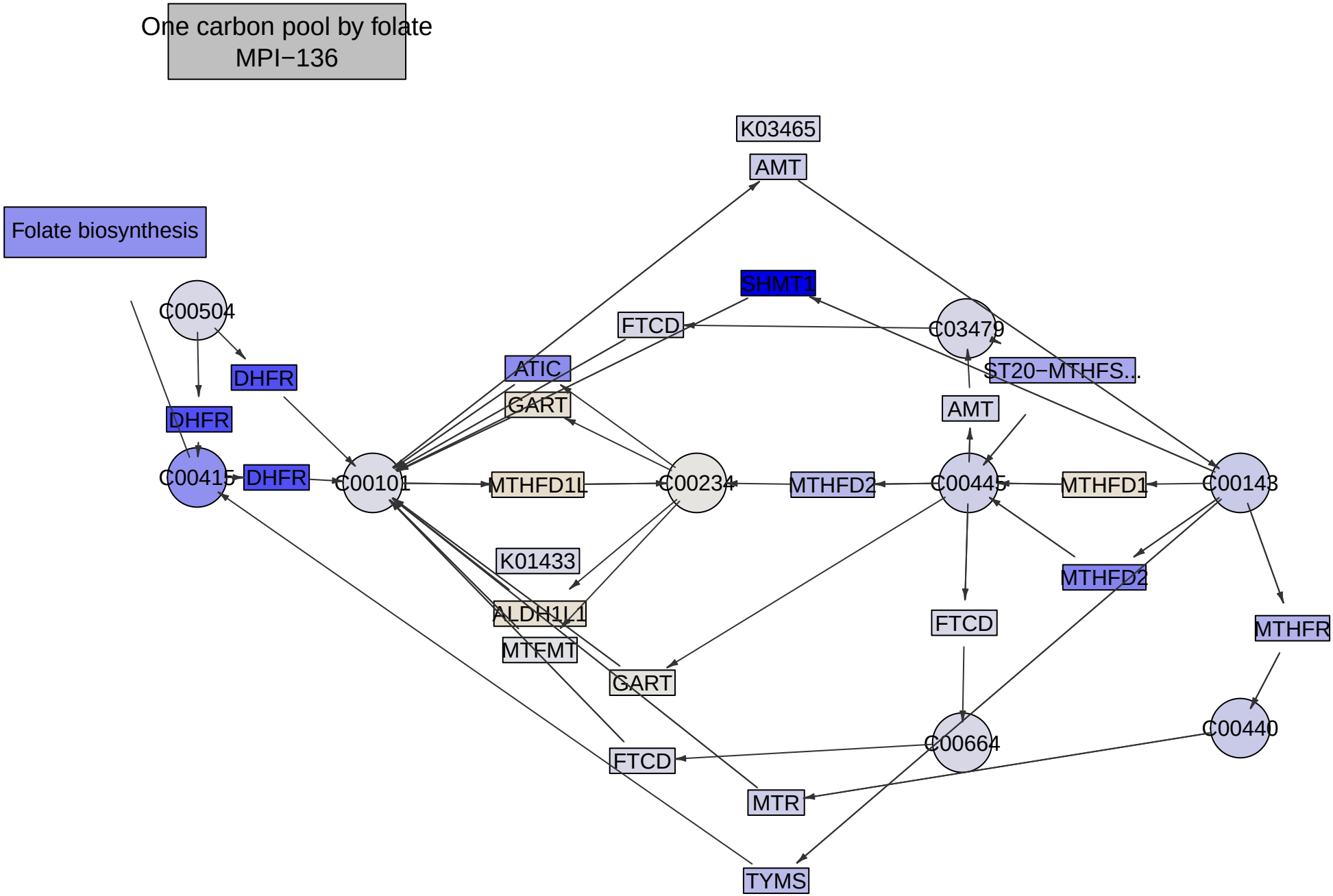
One carbon pool by folate
MPI−136
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
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ST20−MTHFS...
GART
AMT
C00504
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DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
MTHFR
MTFMT
GART
C00440
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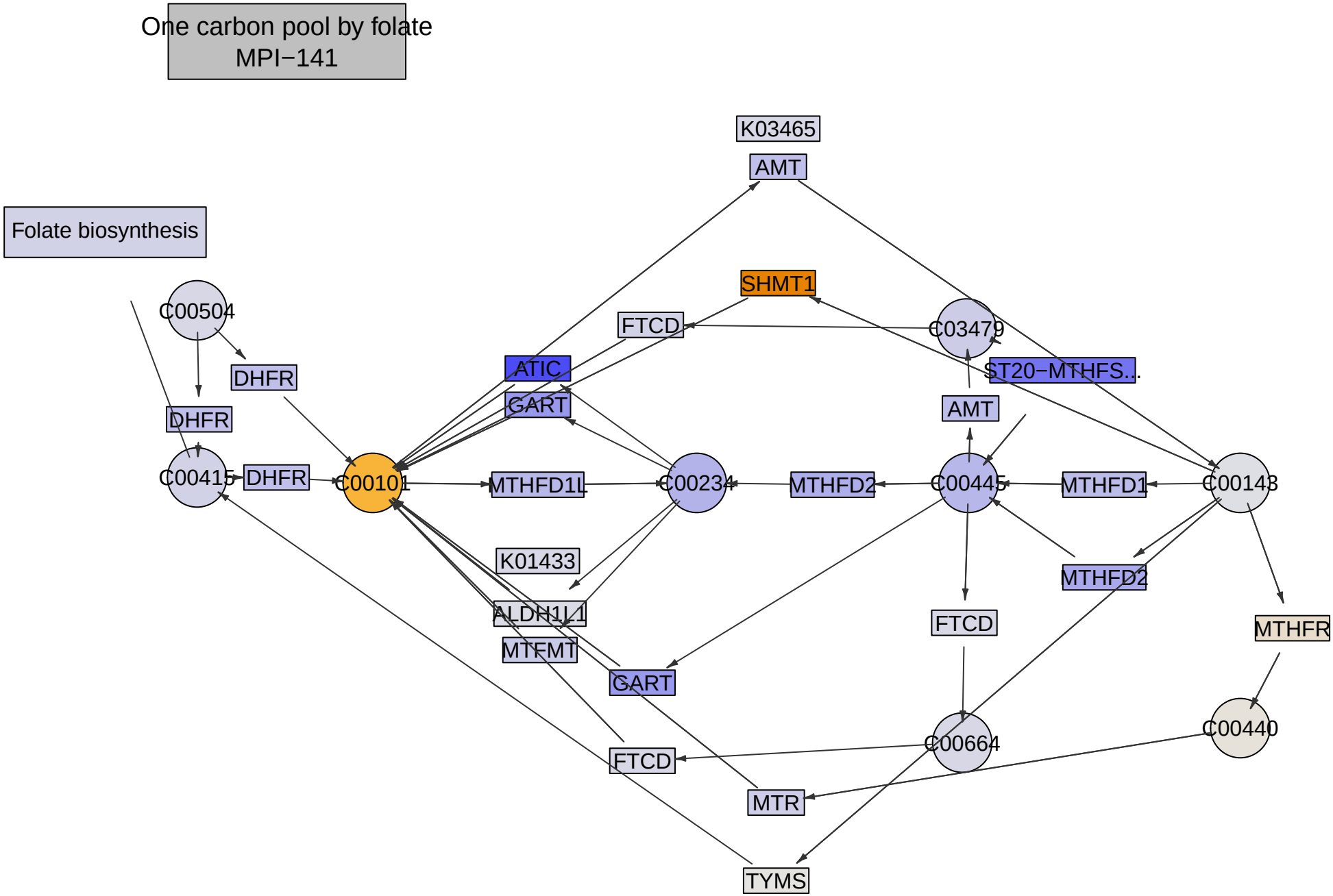
FTCD
MTR
TYMS


One carbon pool by folate
MPI−141
Folate biosynthesis
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AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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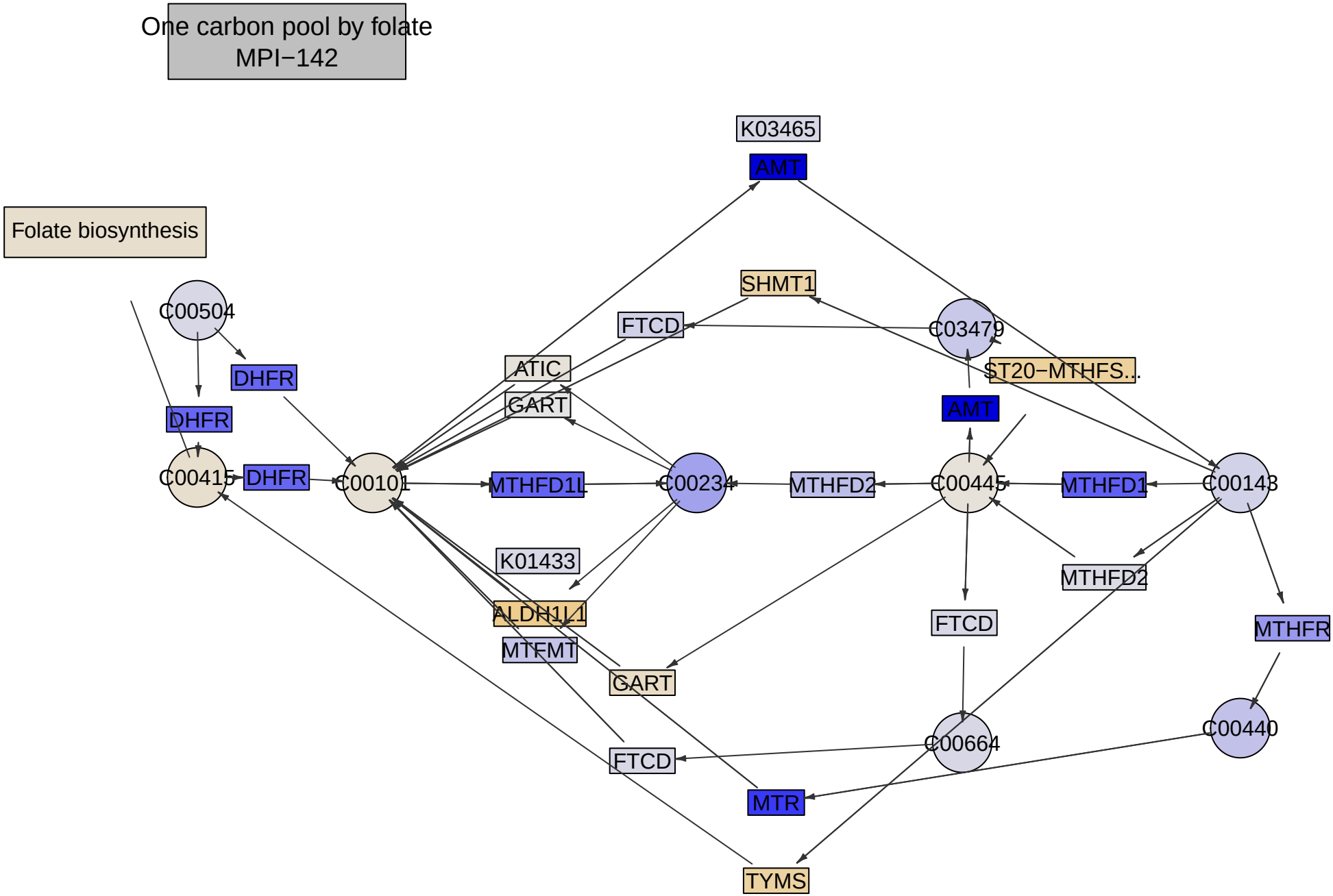
TYMS


One carbon pool by folate
MPI−142
Folate biosynthesis
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AMT
SHMT1
FTCD
C03479
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ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
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DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
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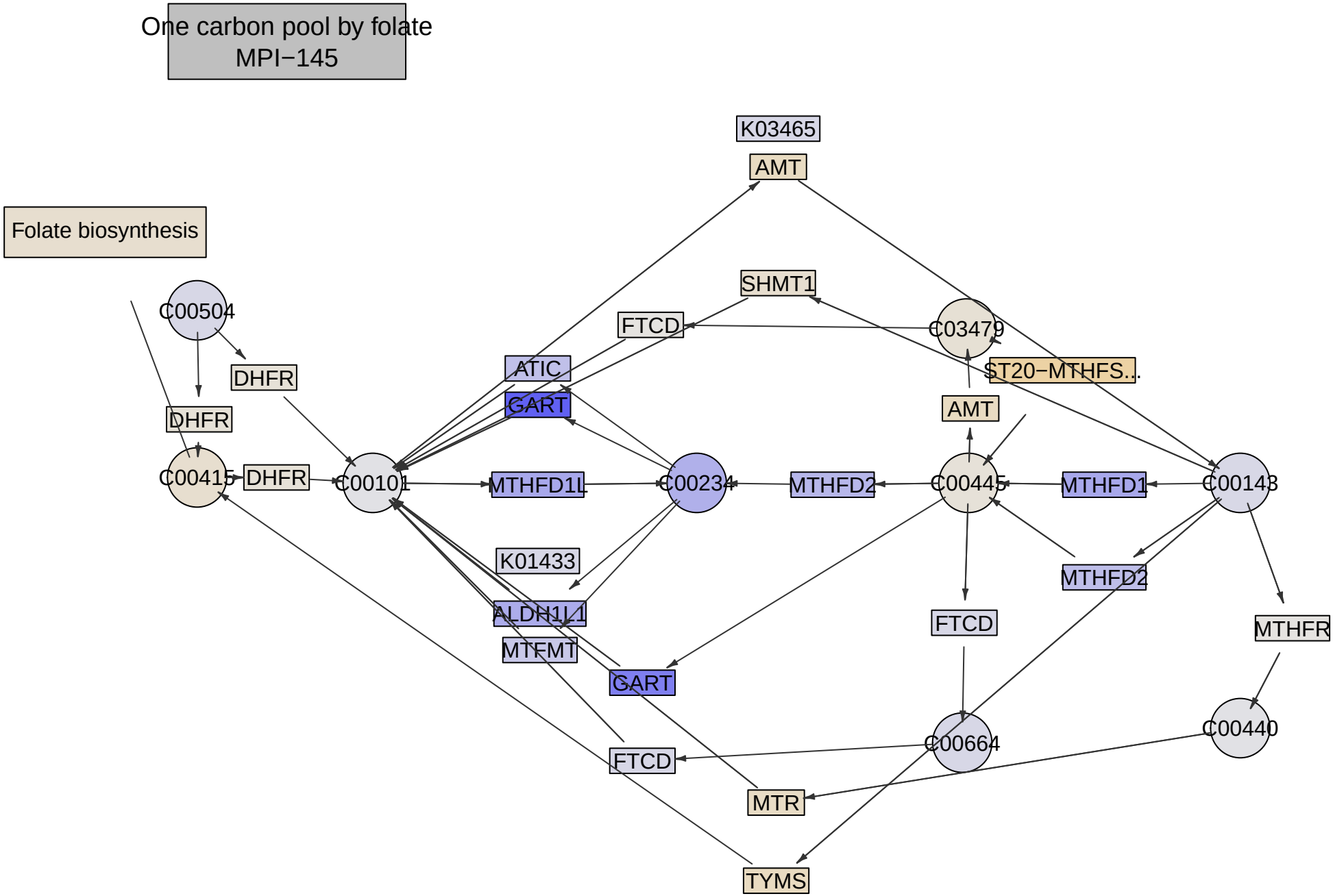
TYMS


One carbon pool by folate
MPI−145
Folate biosynthesis
K03465
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SHMT1
FTCD
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ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
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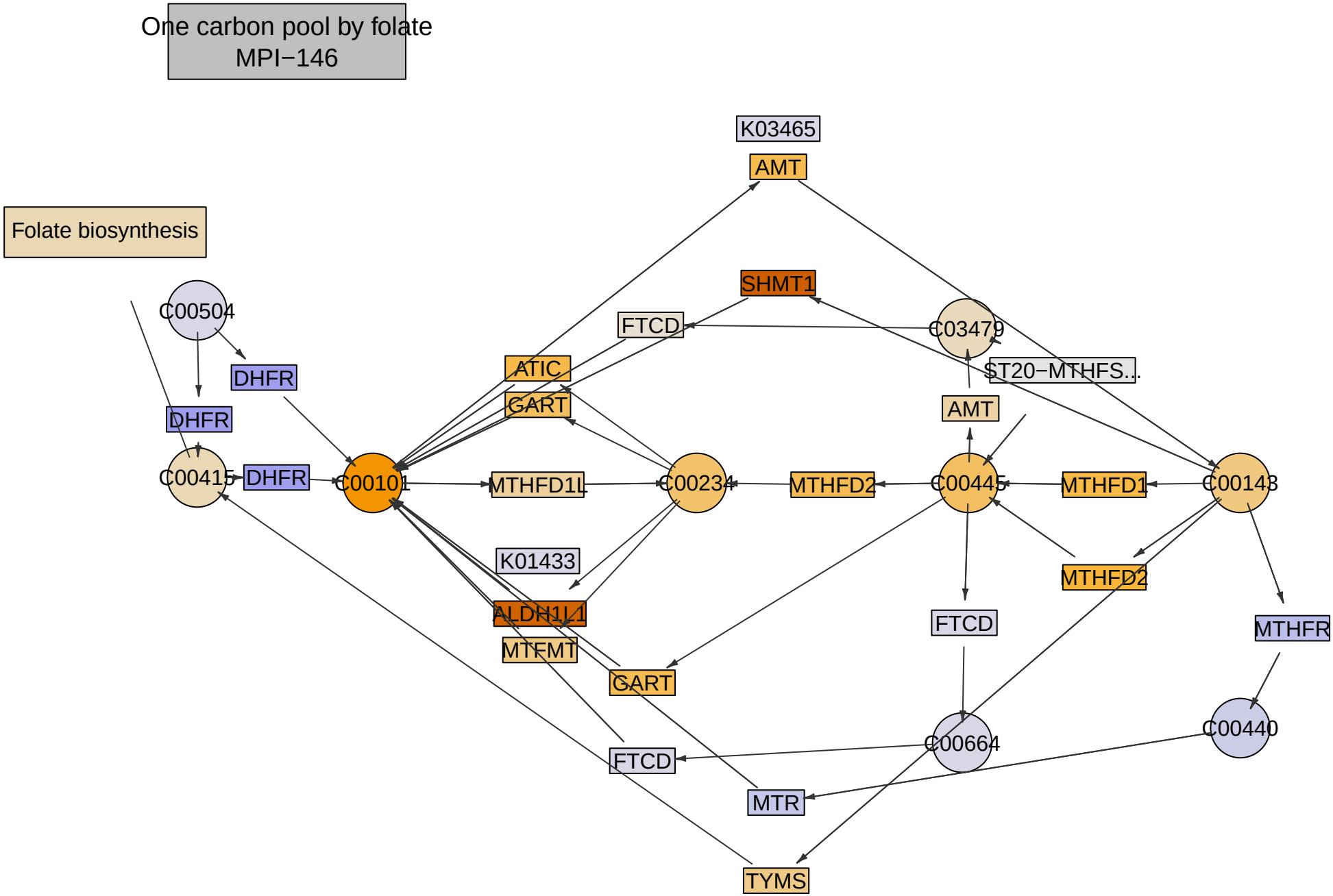
FTCD
MTR
TYMS


One carbon pool by folate
MPI−146
Folate biosynthesis
K03465
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SHMT1
FTCD
C03479
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ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
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MTFMT
GART
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FTCD
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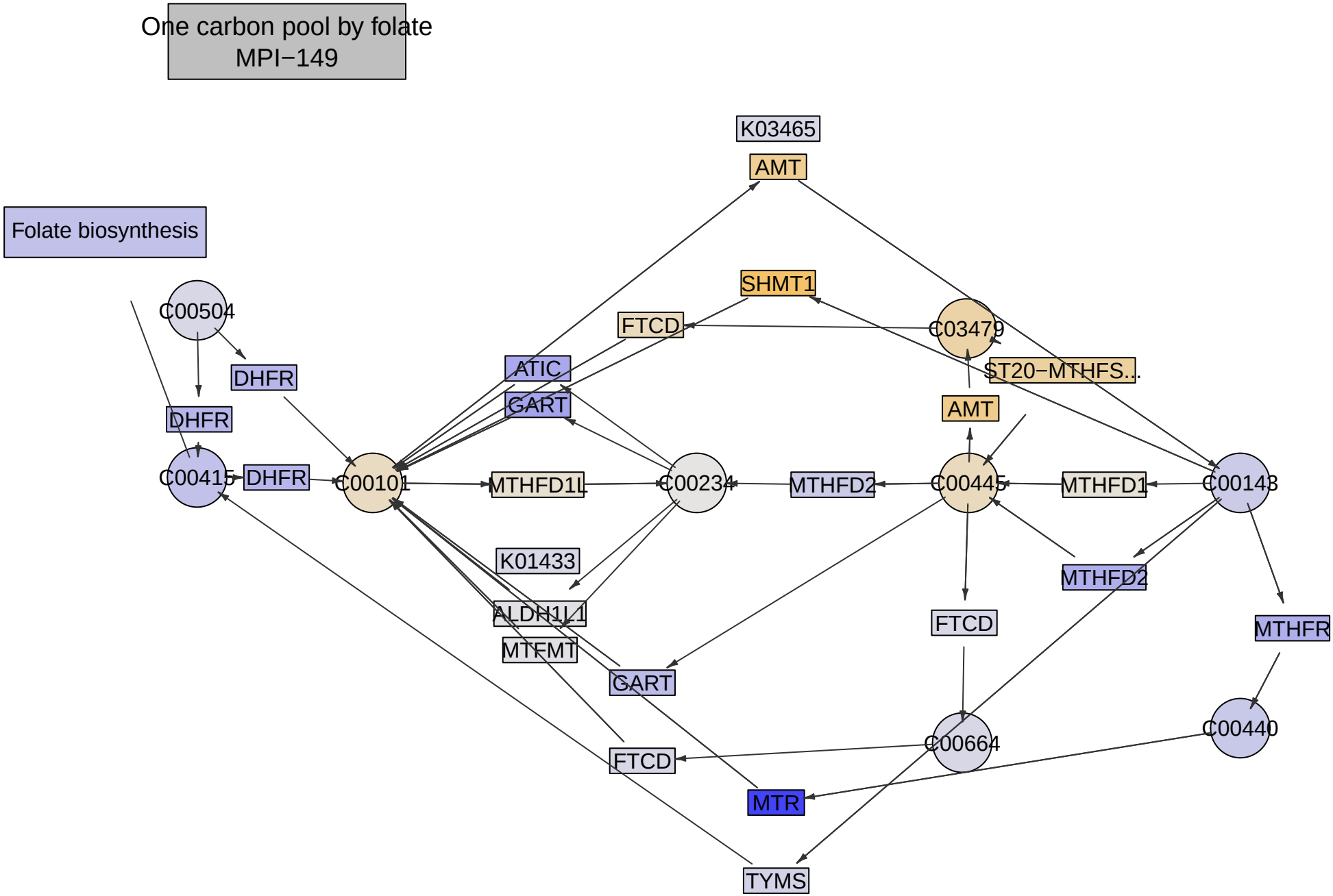
One carbon pool by folate
MPI−149
Folate biosynthesis
K03465
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SHMT1
FTCD
C03479
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ST20−MTHFS...
GART
AMT
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DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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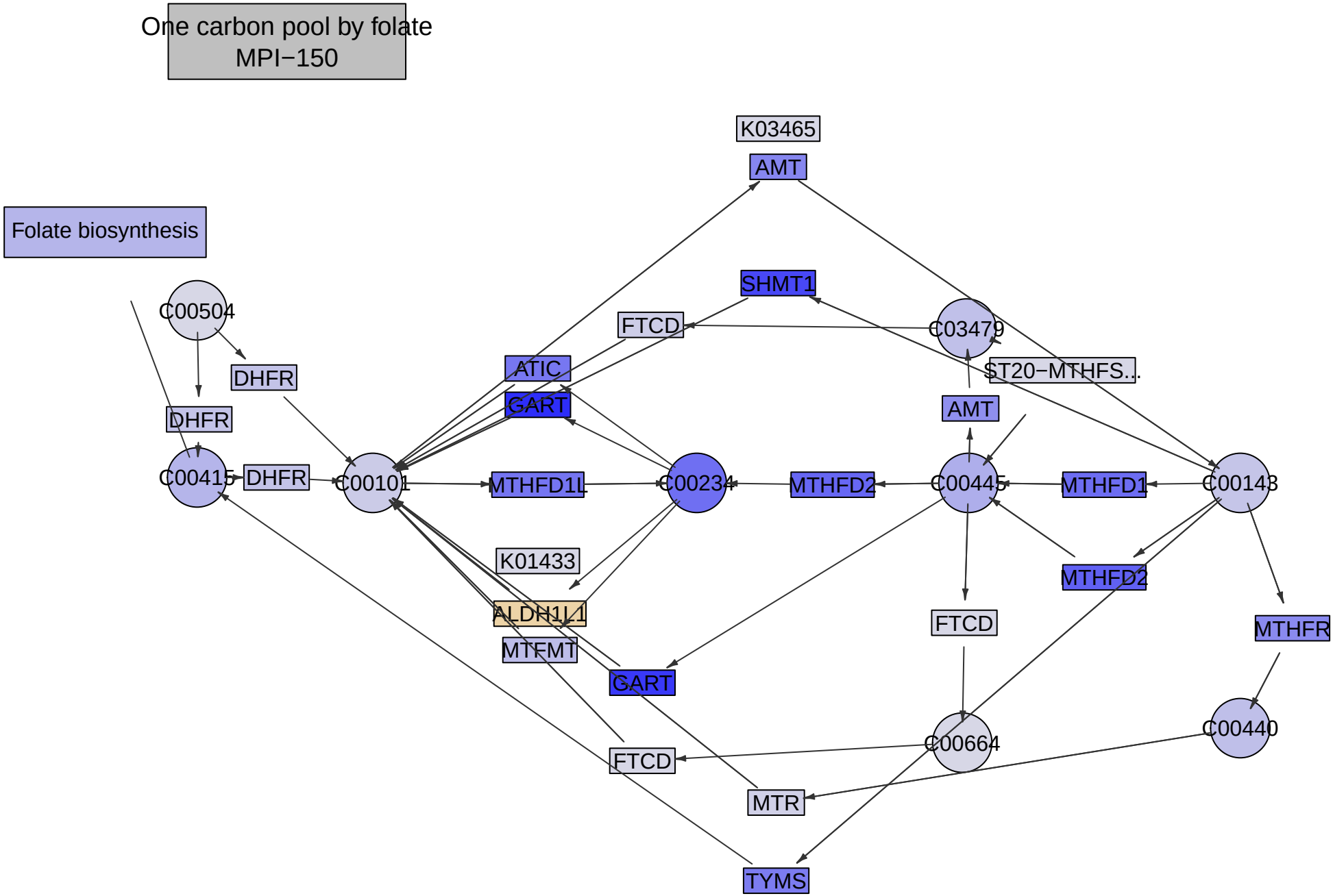
FTCD
MTR
TYMS


One carbon pool by folate
MPI−150
Folate biosynthesis
K03465
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SHMT1
FTCD
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ST20−MTHFS...
GART
AMT
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DHFR
DHFR
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DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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ALDH1L1
FTCD
MTHFR
MTFMT
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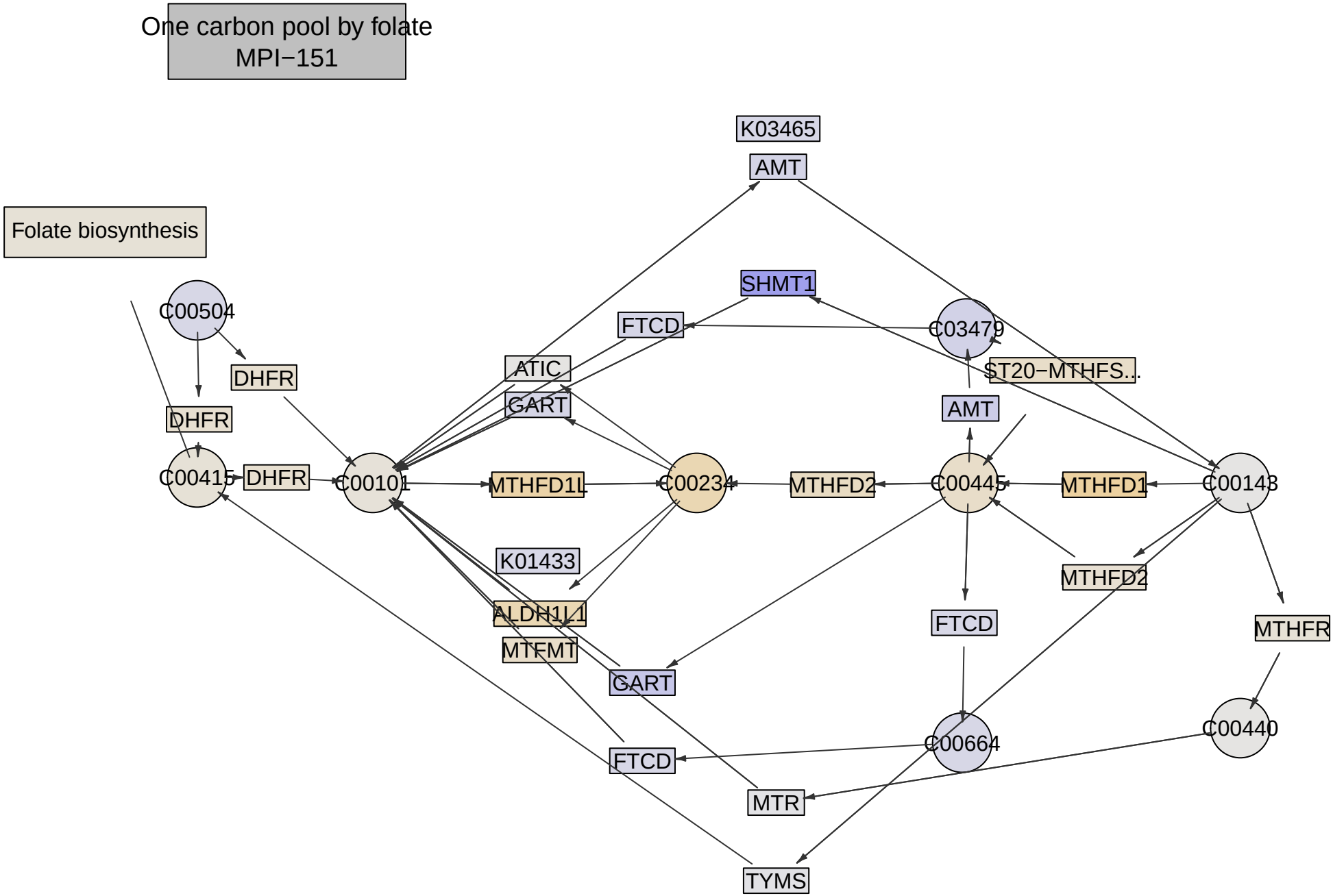
TYMS


One carbon pool by folate
MPI−151
Folate biosynthesis
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SHMT1
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GART
AMT
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C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
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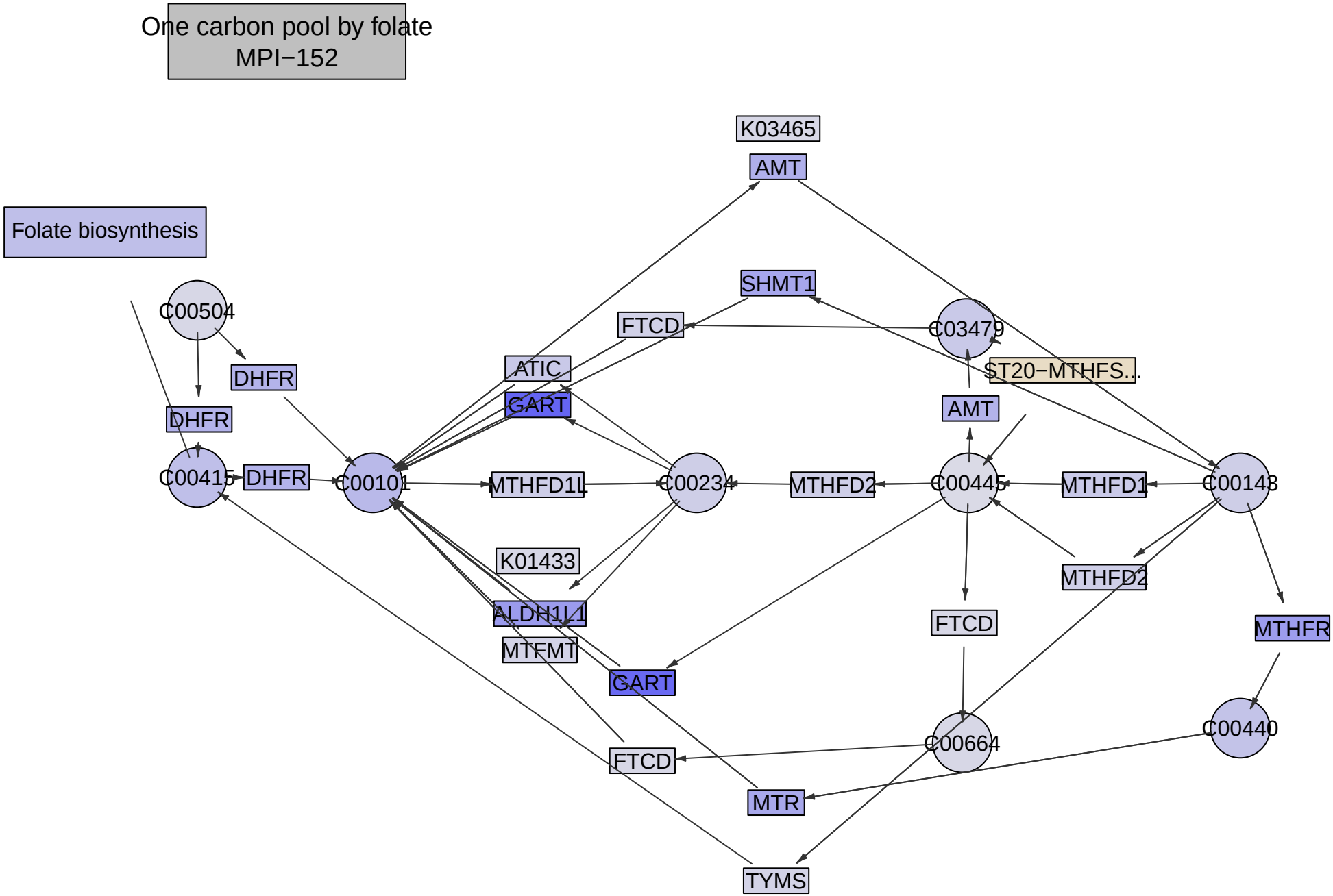
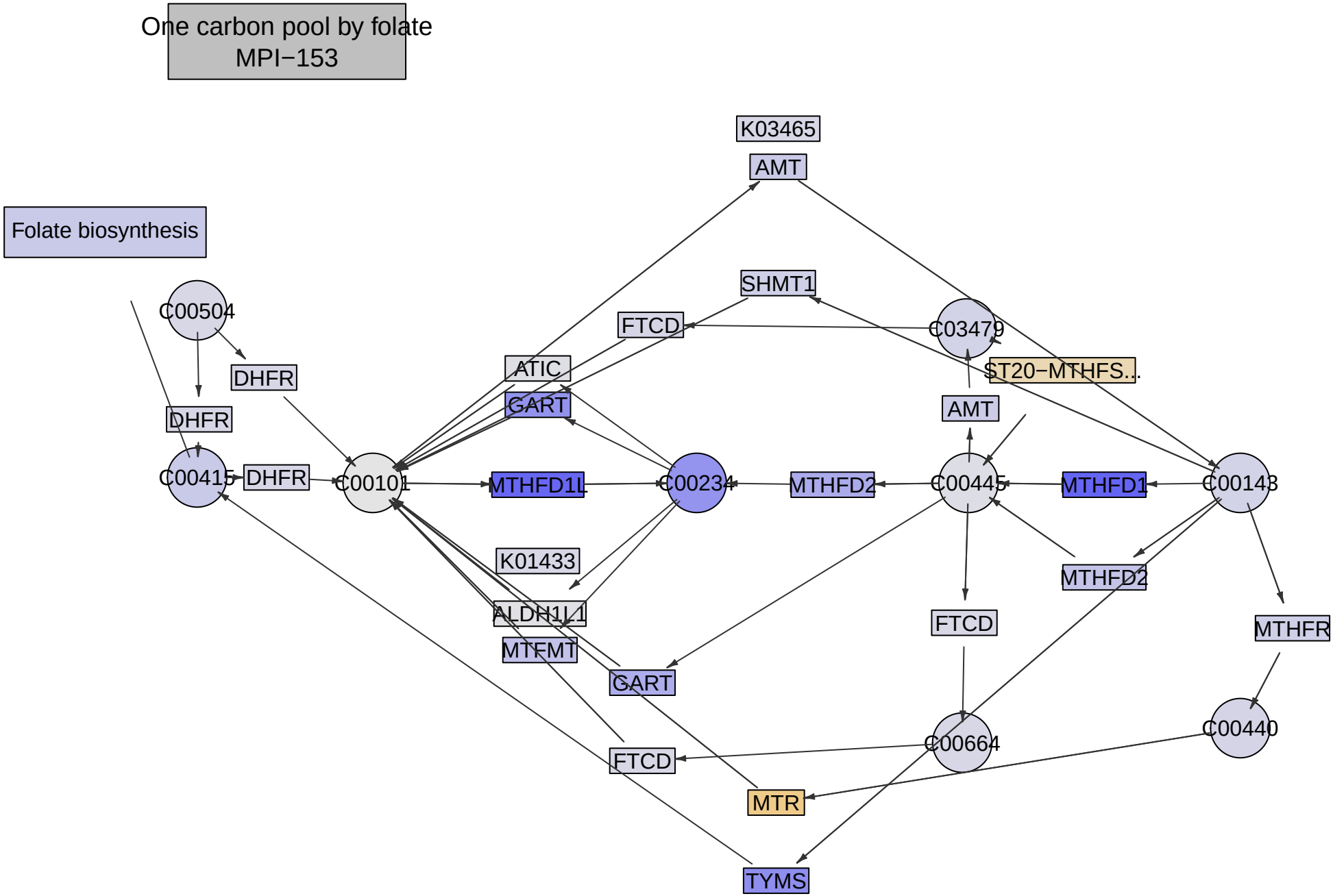
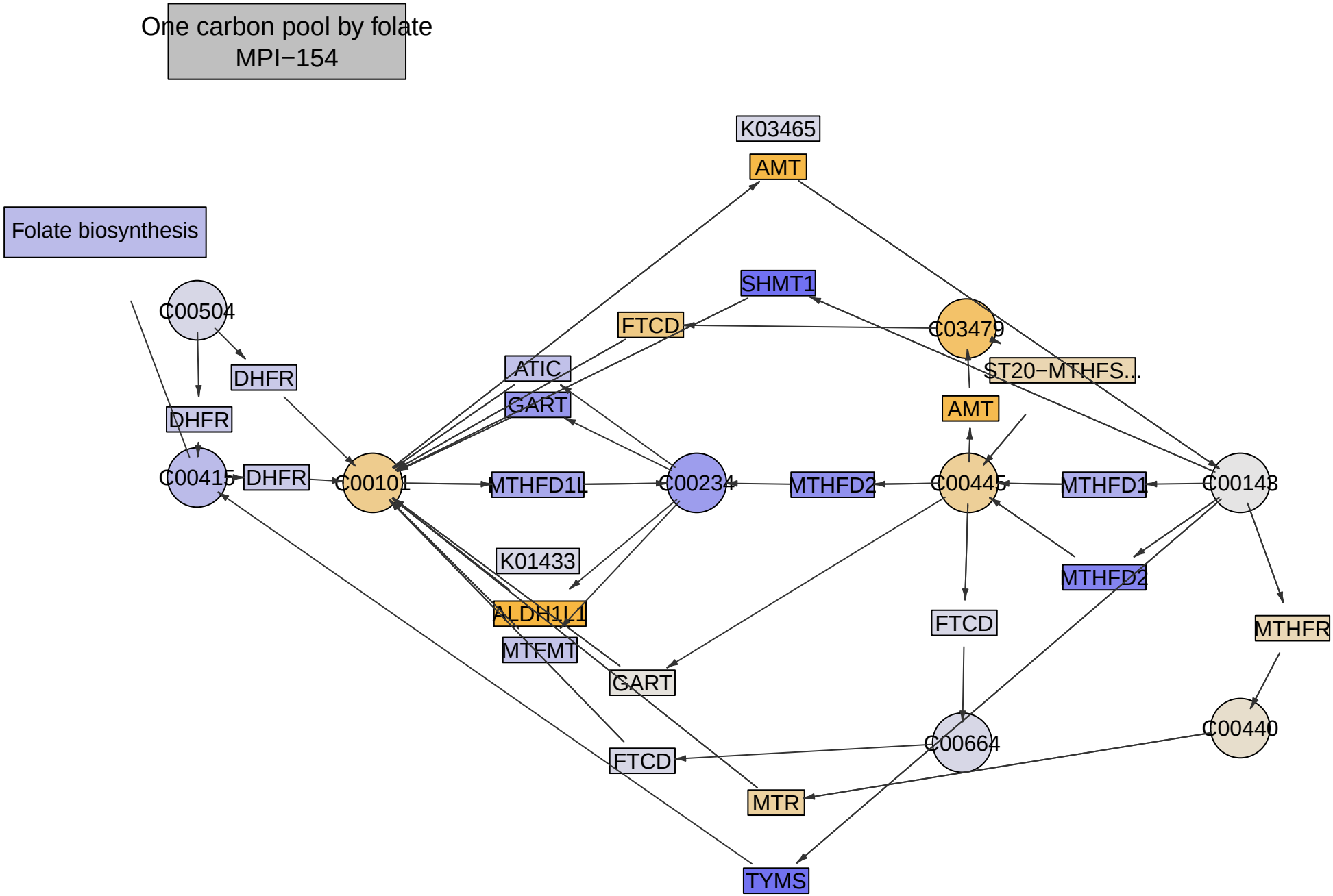
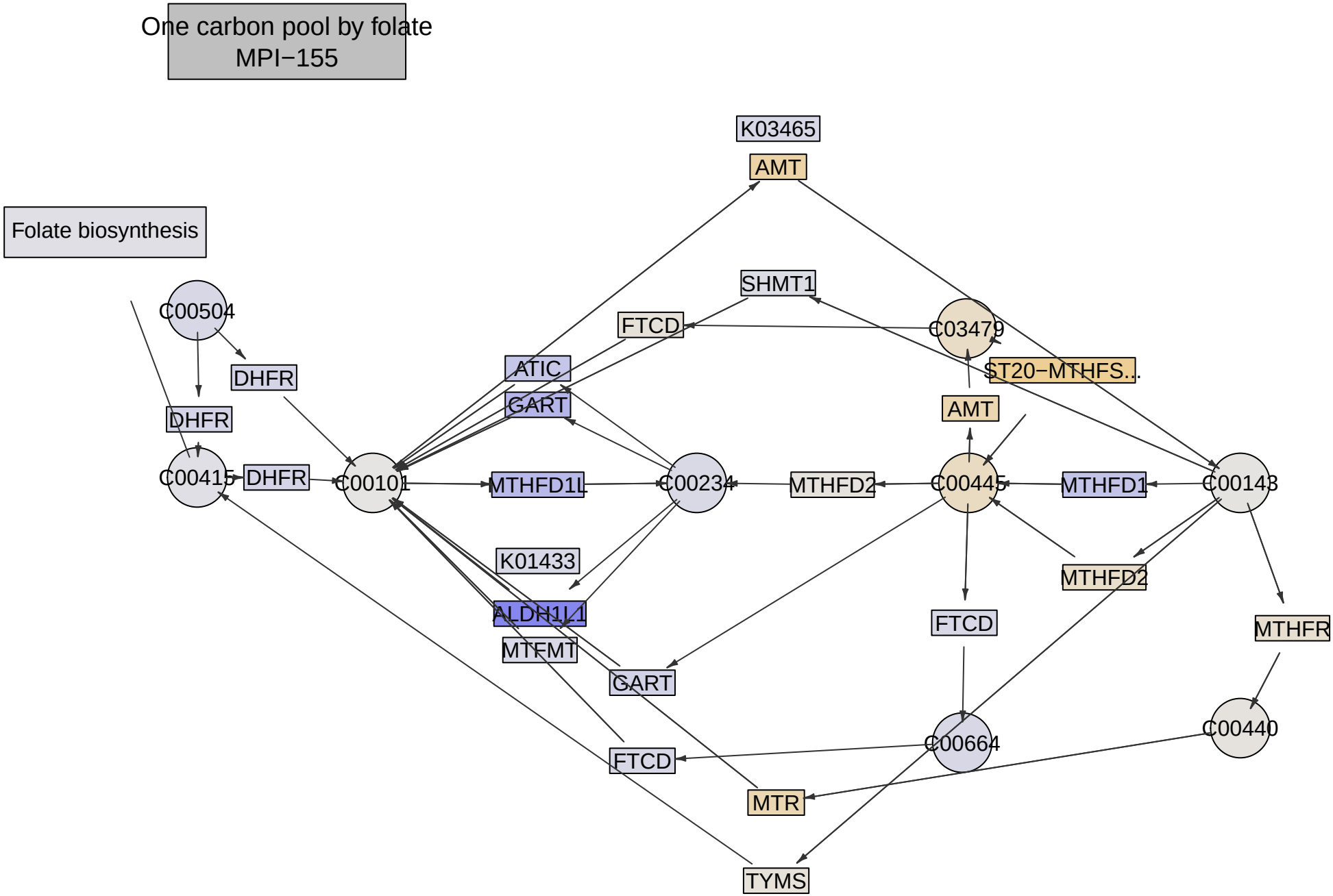
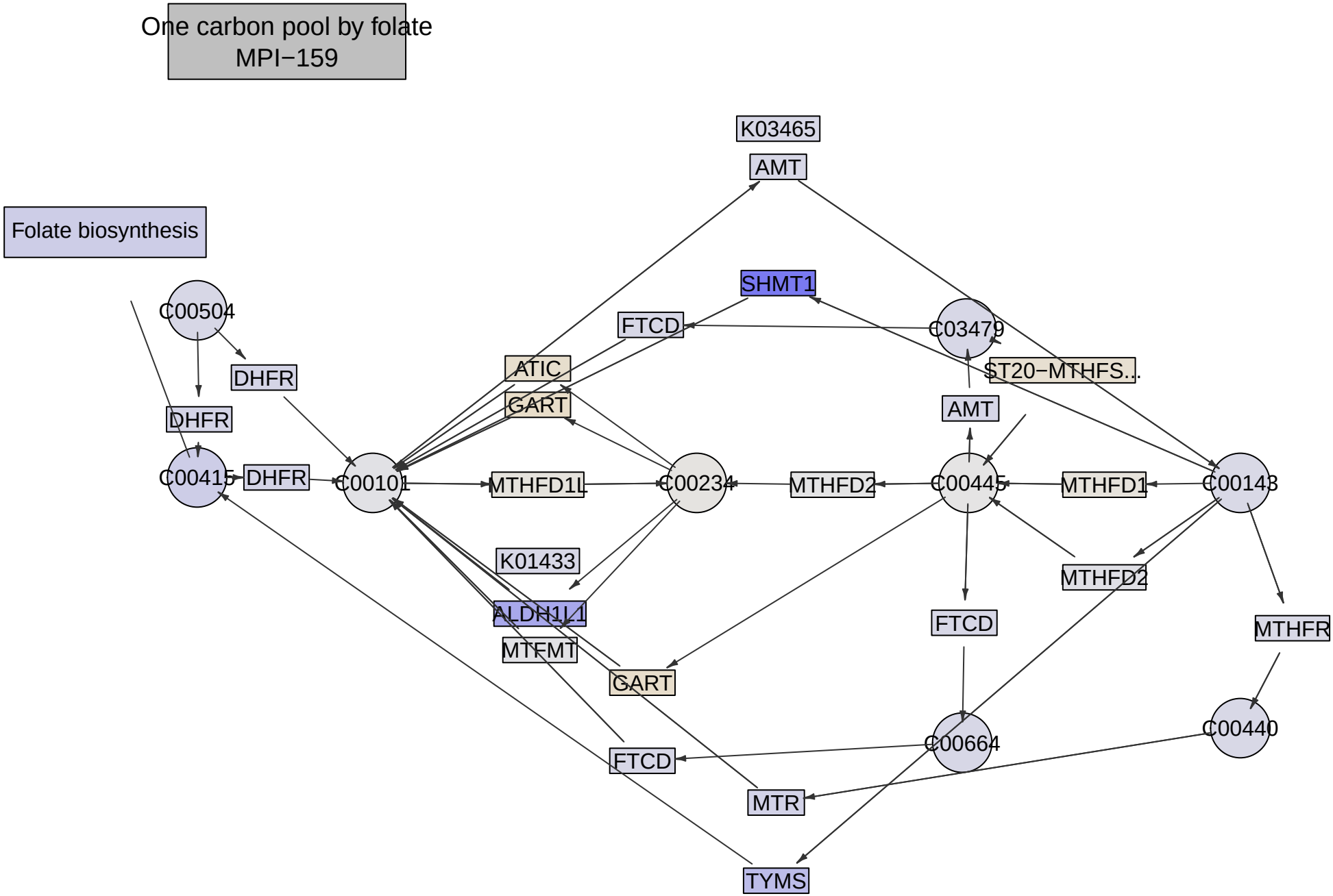
FTCD
MTR
TYMS

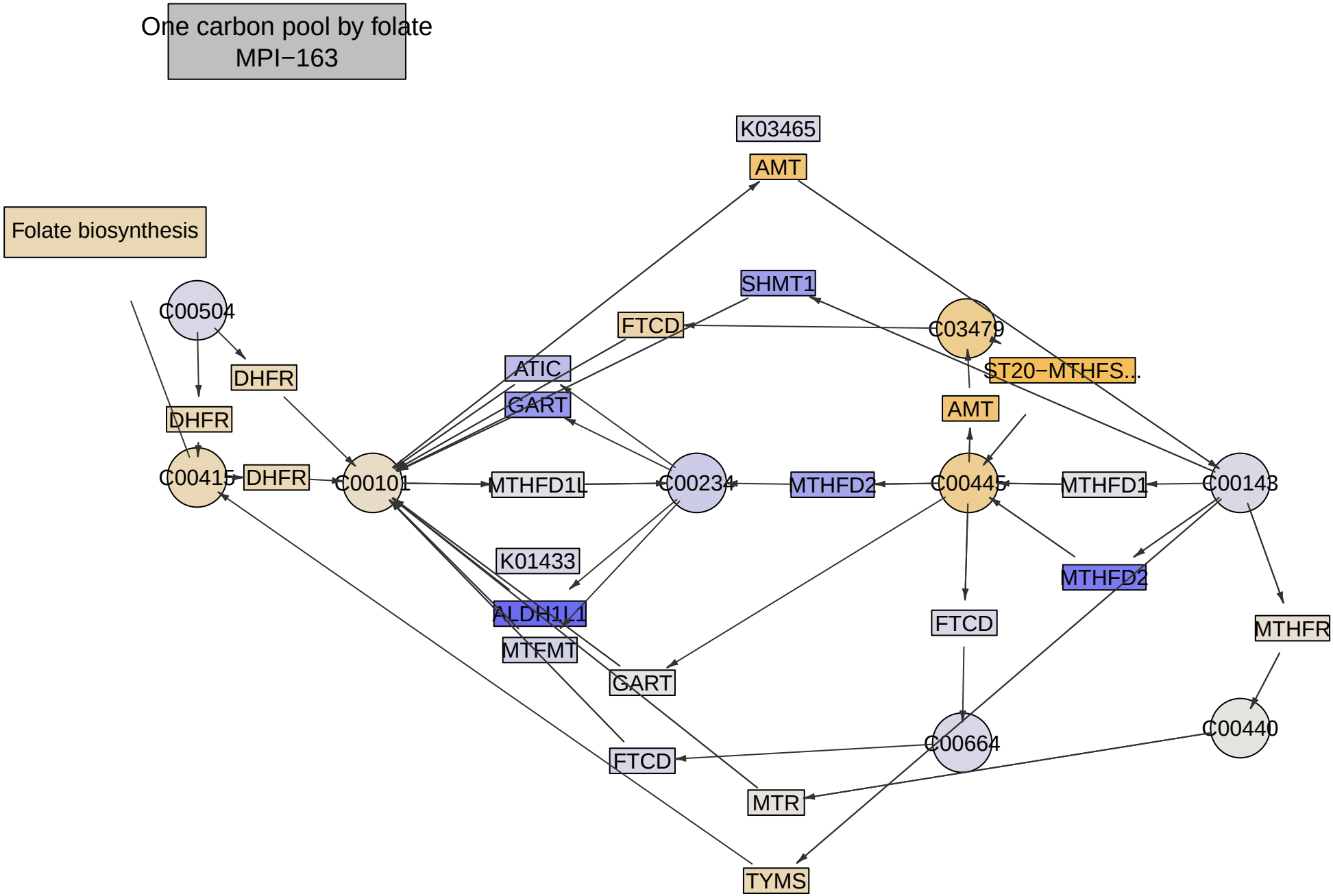

One carbon pool by folate
MPI−152
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
C00440
FTCD
MTR
TYMS

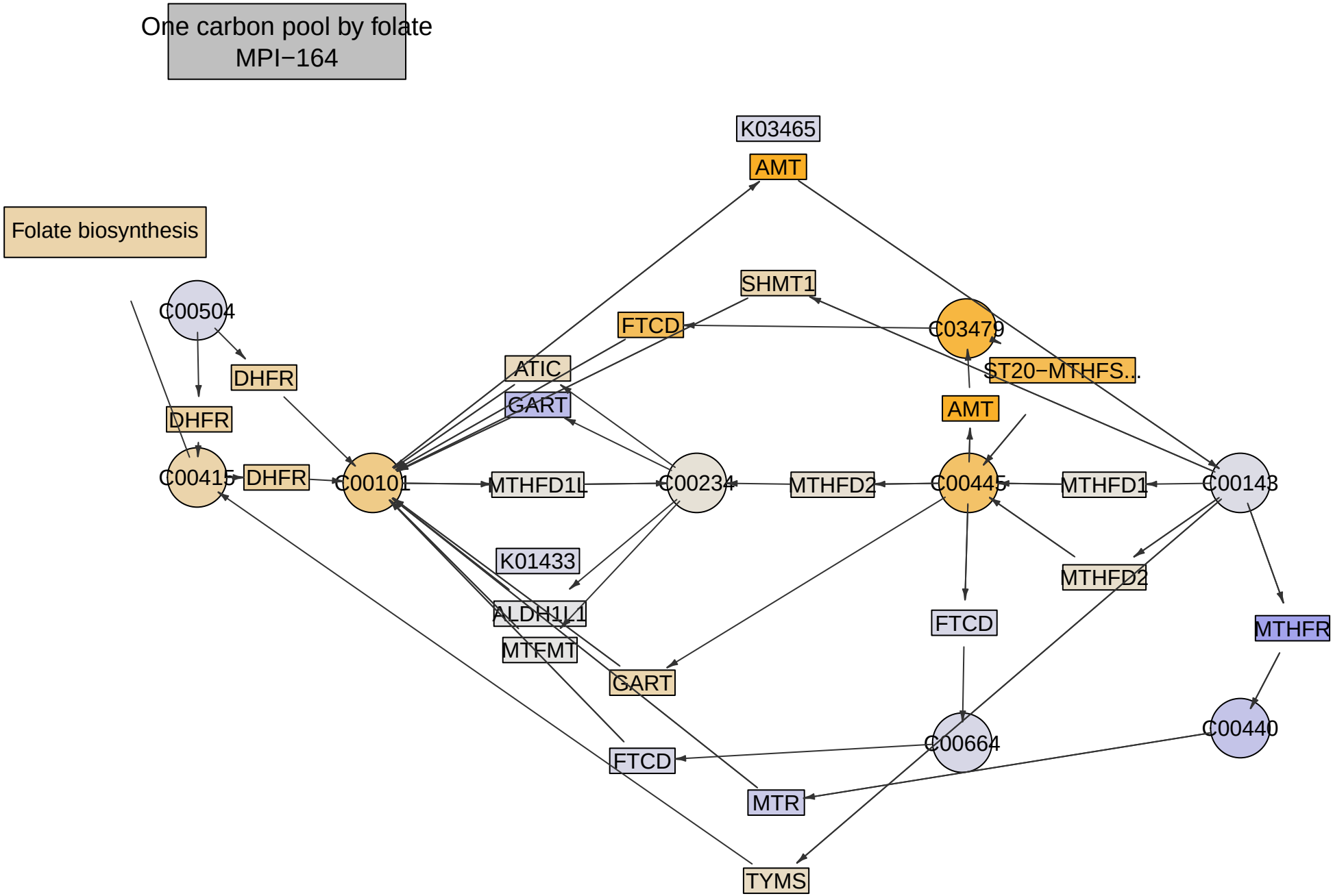

One carbon pool by folate
MPI−153
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

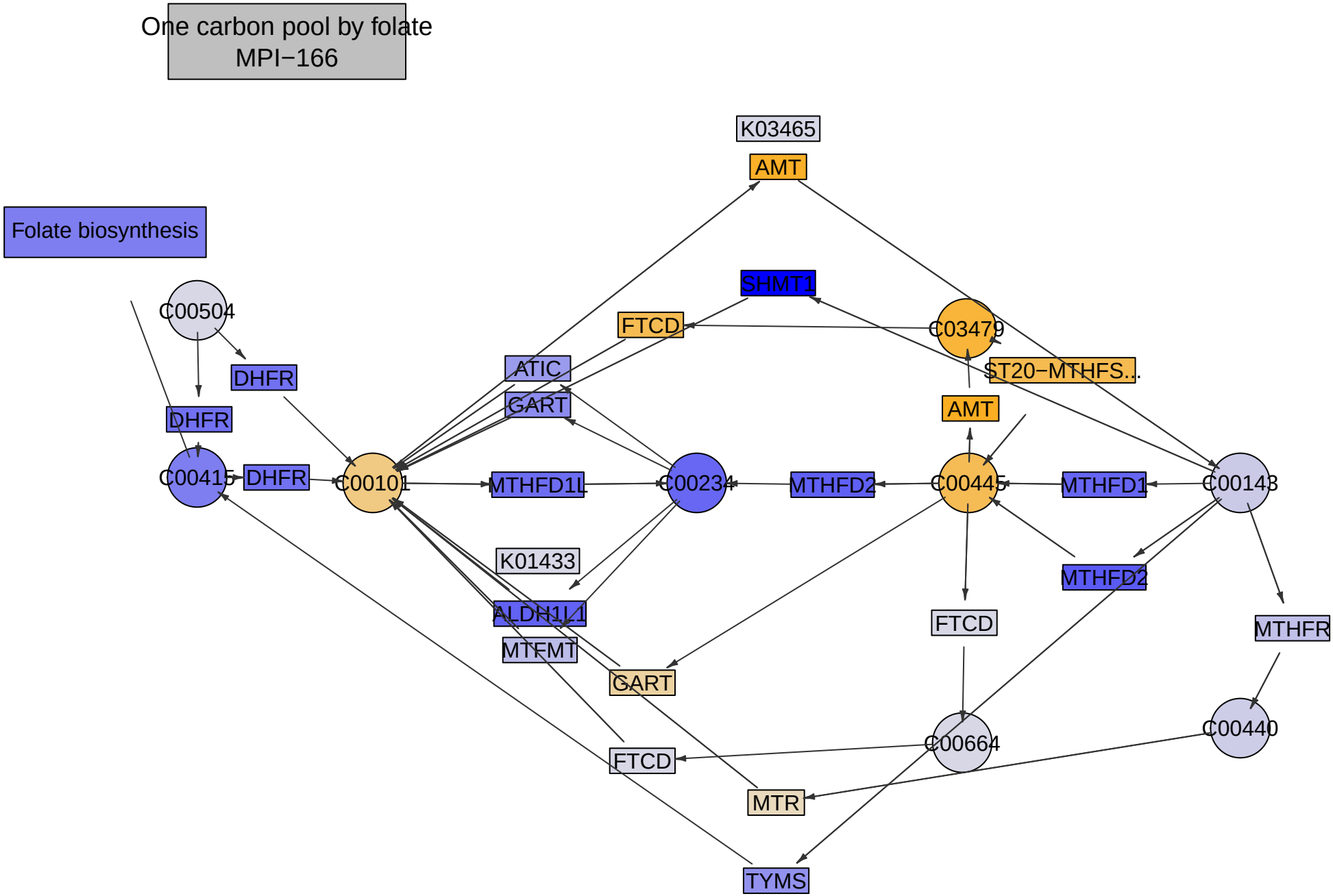

One carbon pool by folate
MPI−154
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

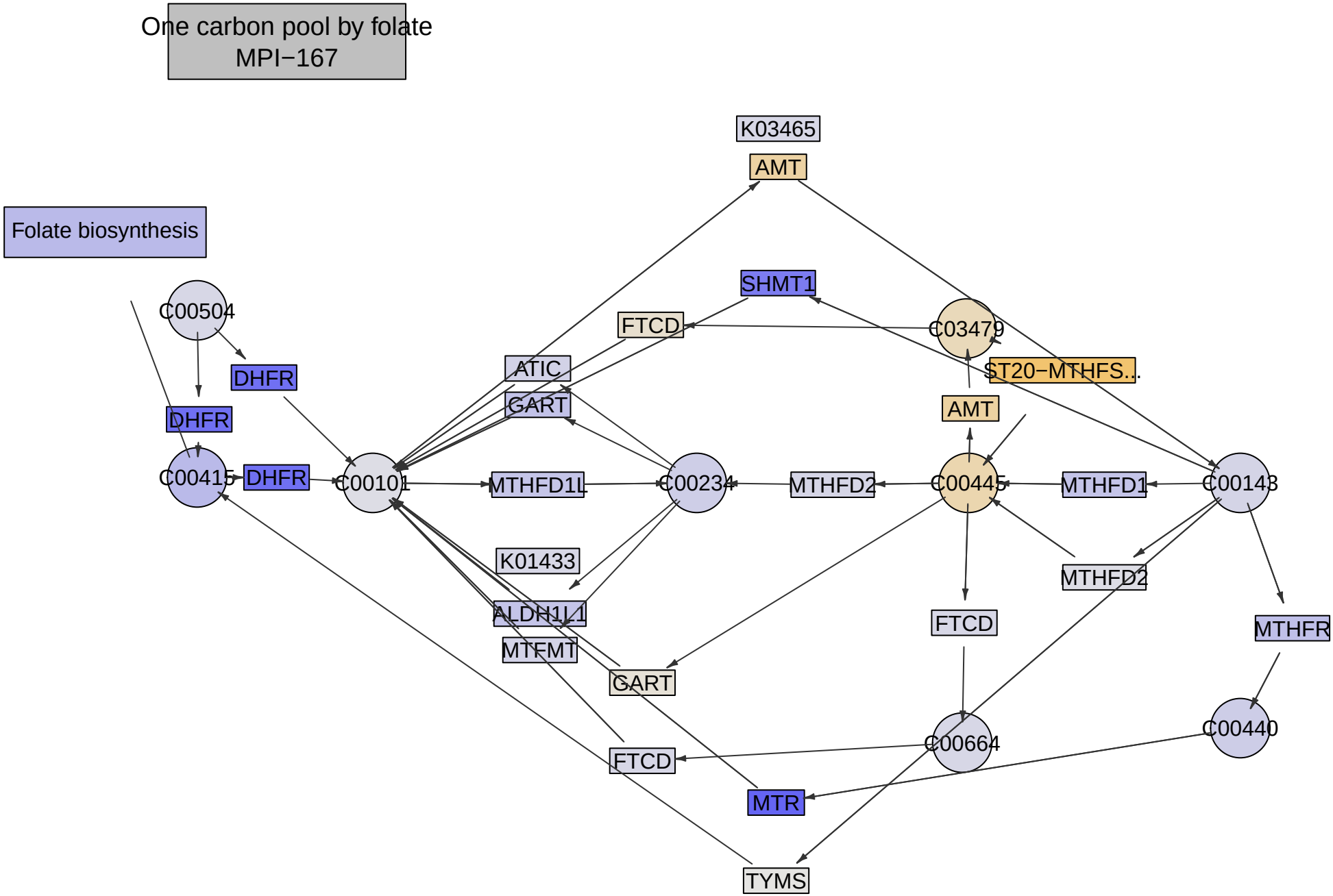

One carbon pool by folate
MPI−155
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

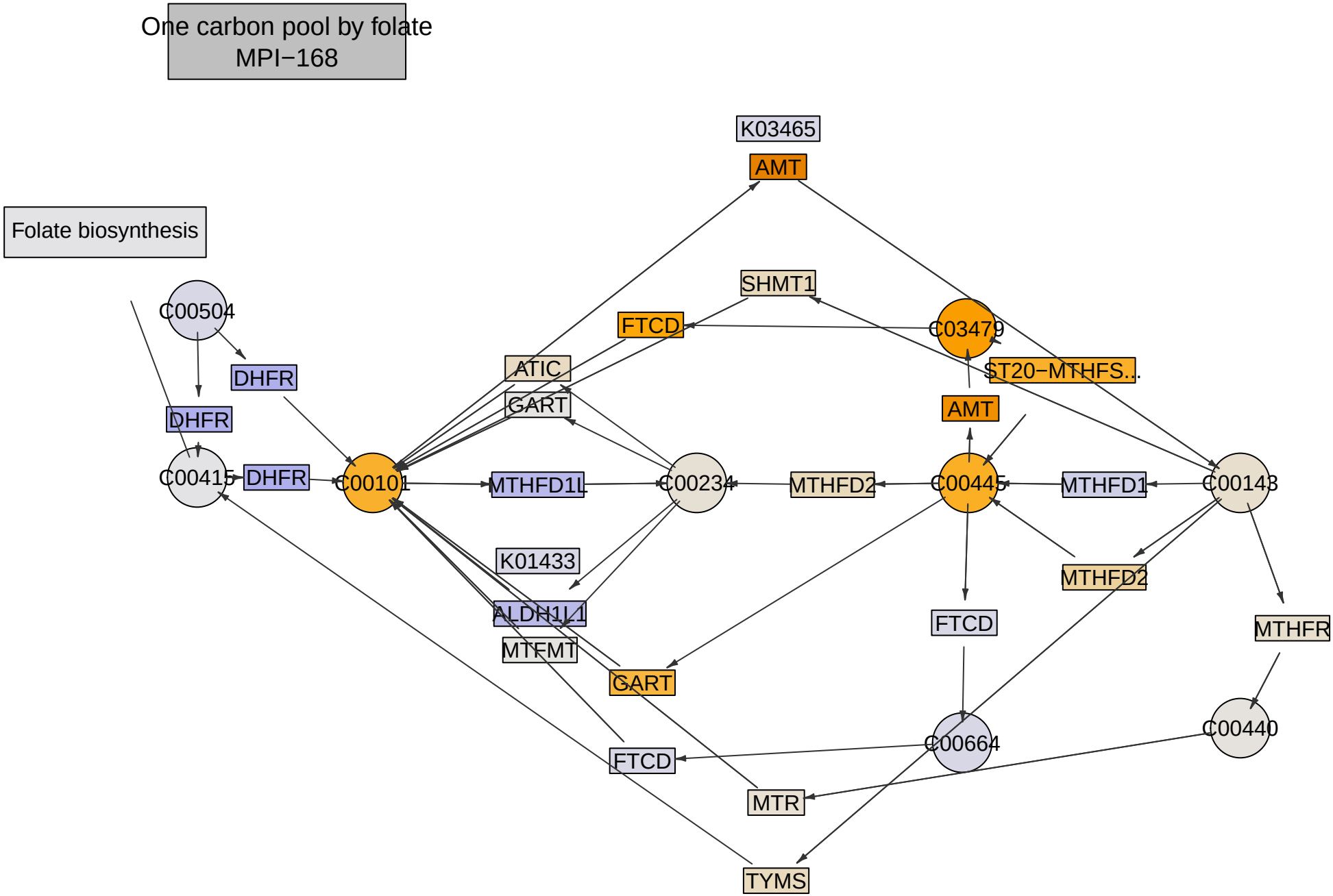

One carbon pool by folate
MPI−159
Folate biosynthesis
K03465
AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

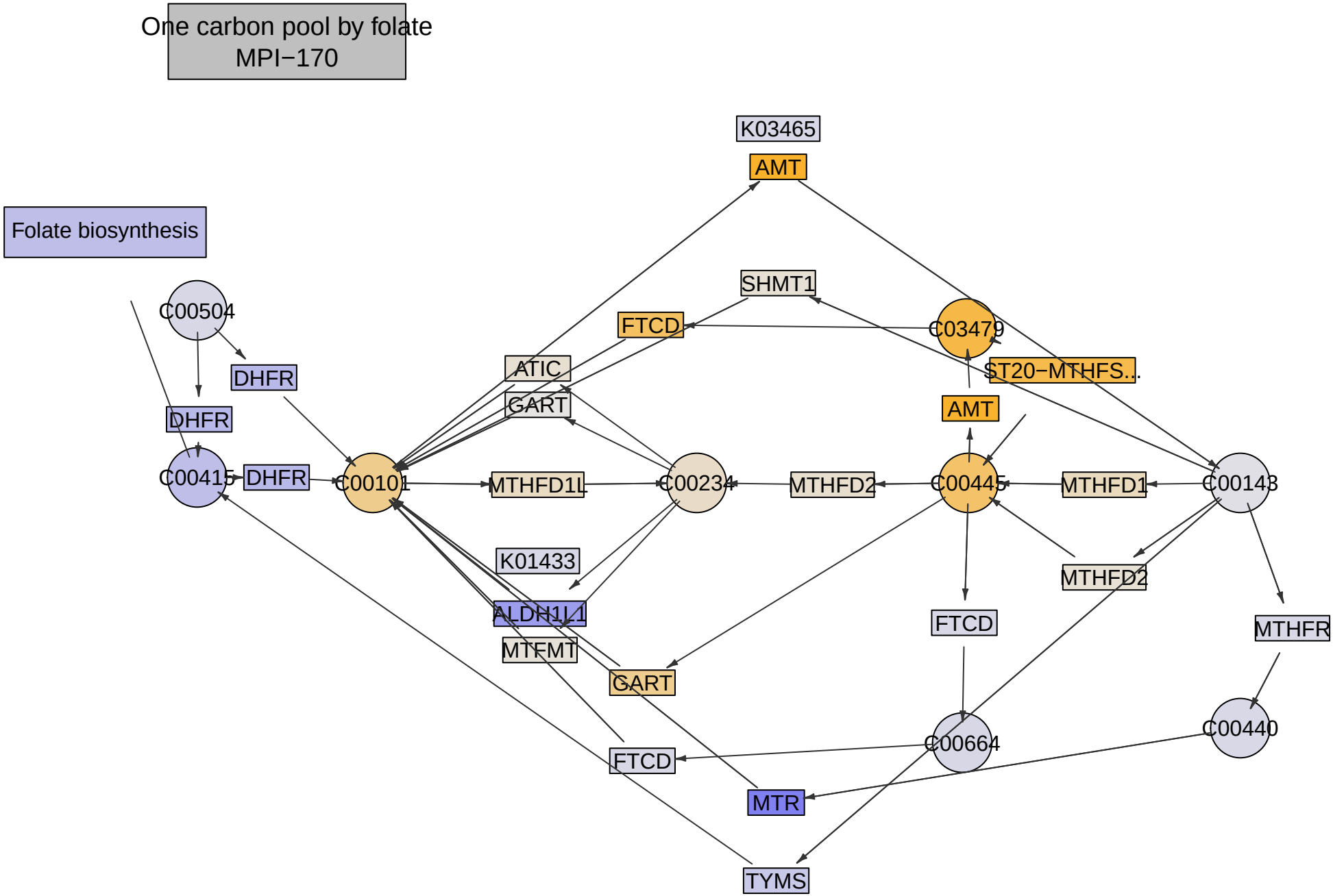

One carbon pool by folate
MPI−163
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

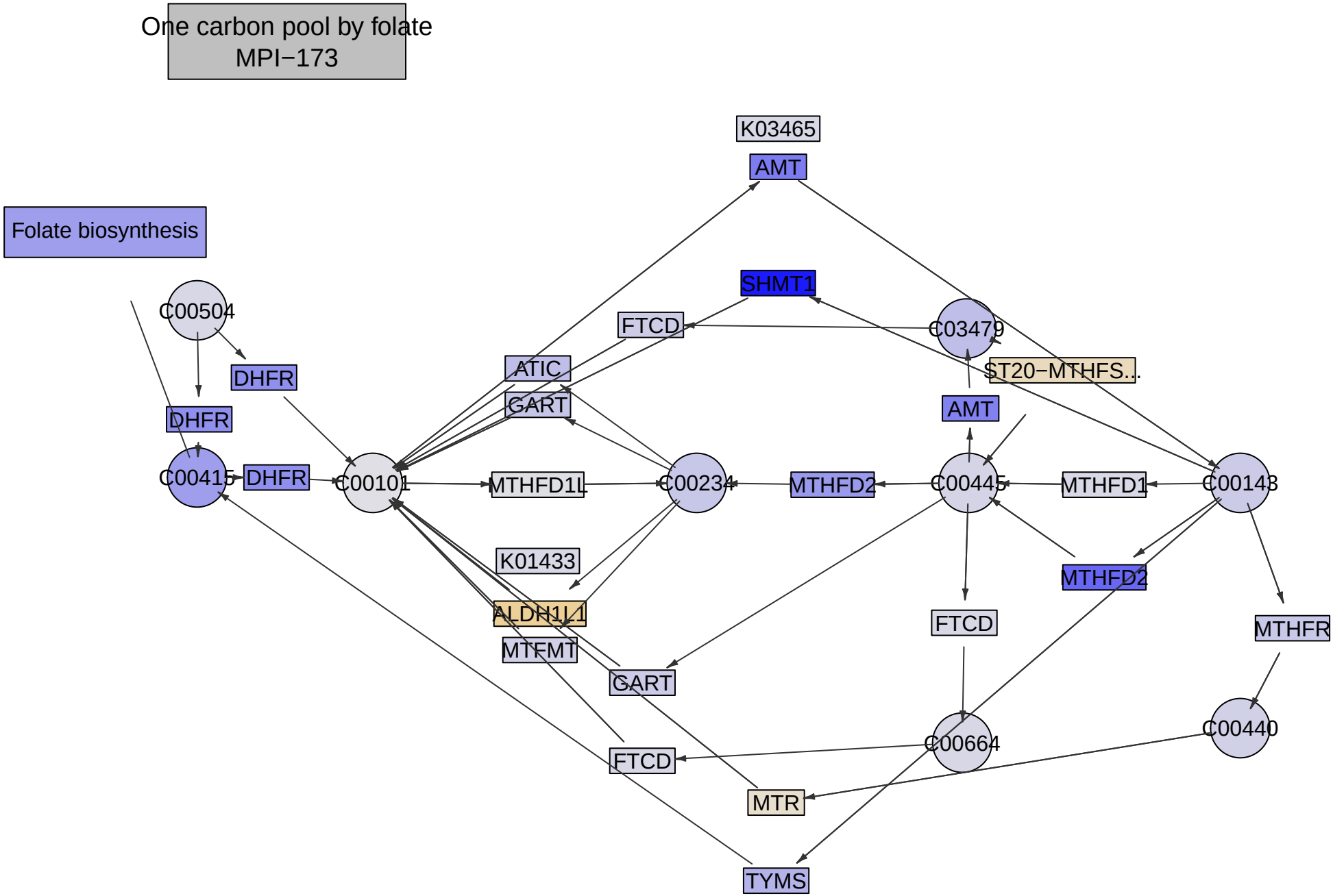

One carbon pool by folate
MPI−164
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

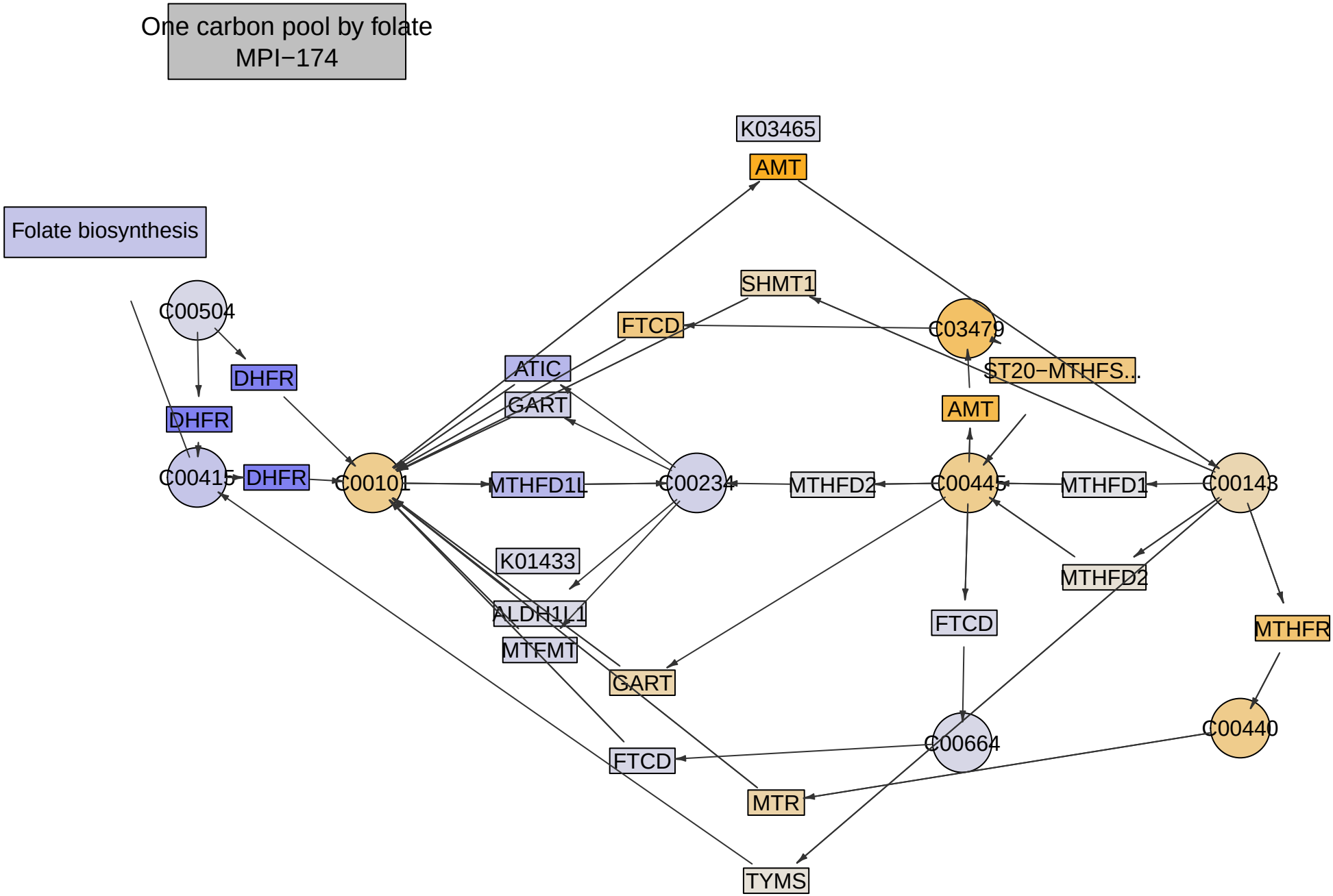

One carbon pool by folate
MPI−166
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
C00440
FTCD
MTR
TYMS


One carbon pool by folate
MPI−167
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
C00440
FTCD
MTR
TYMS


One carbon pool by folate
MPI−168
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−170
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−173
Folate biosynthesis
K03465
AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−174
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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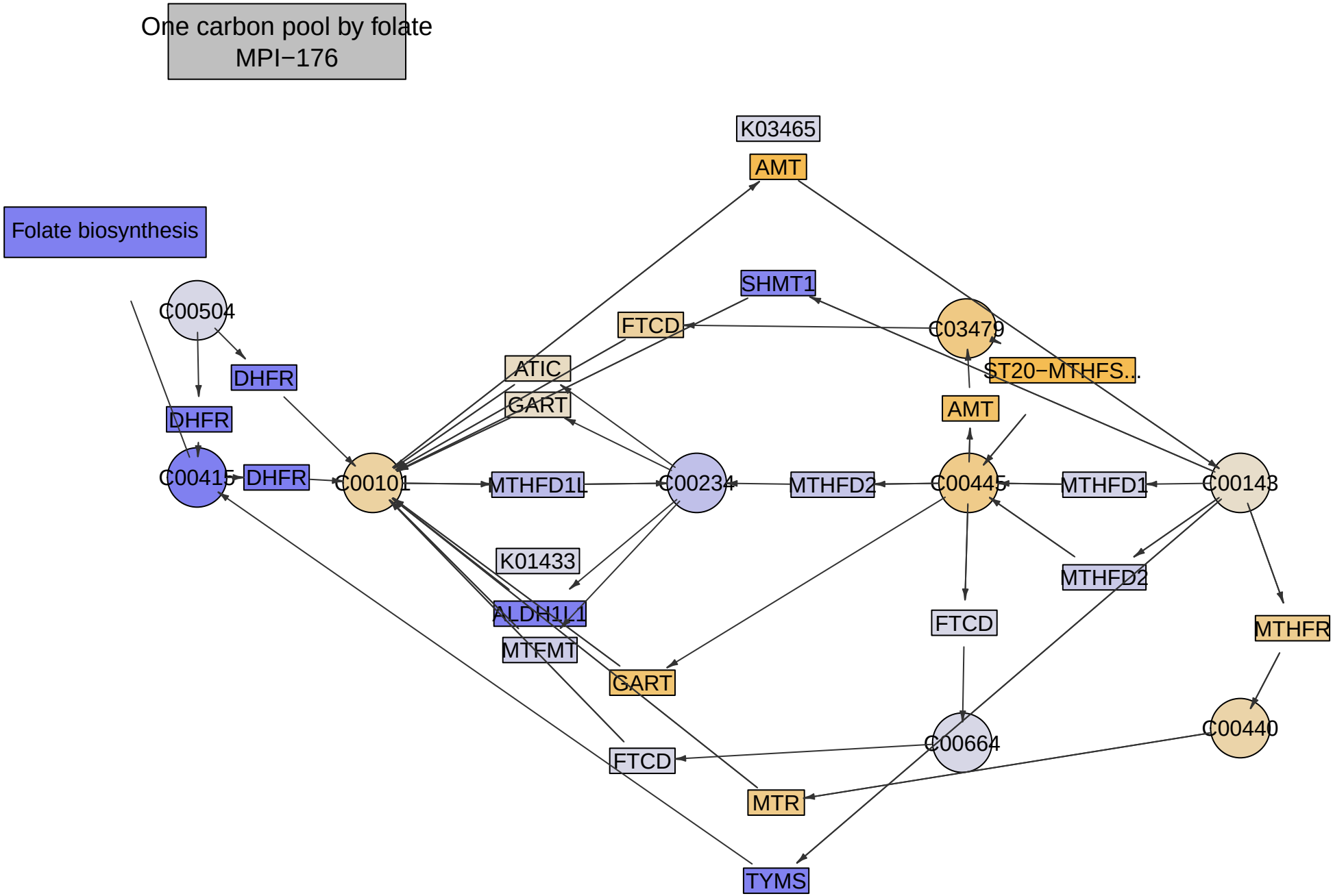
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−176
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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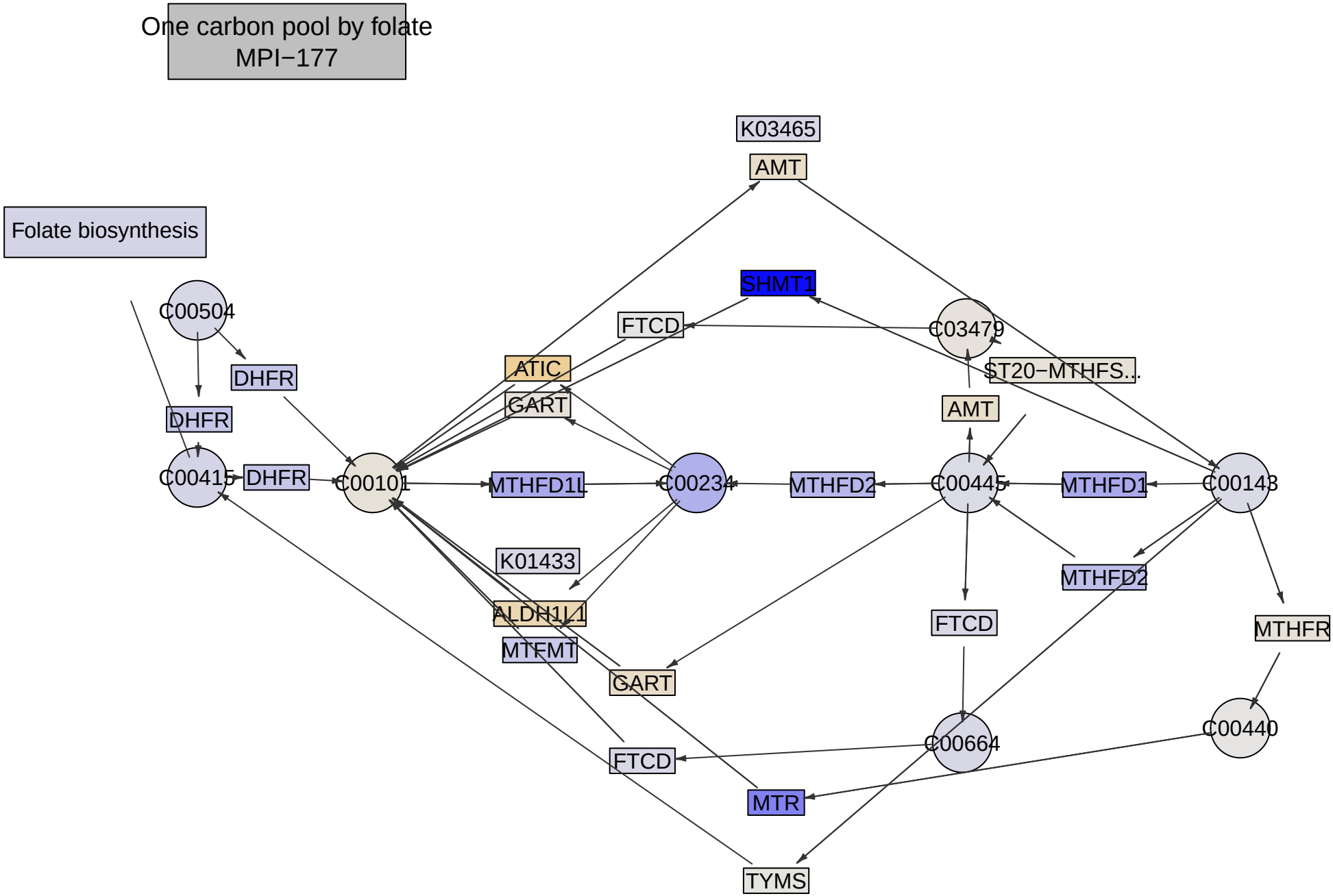
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−177
Folate biosynthesis
K03465
AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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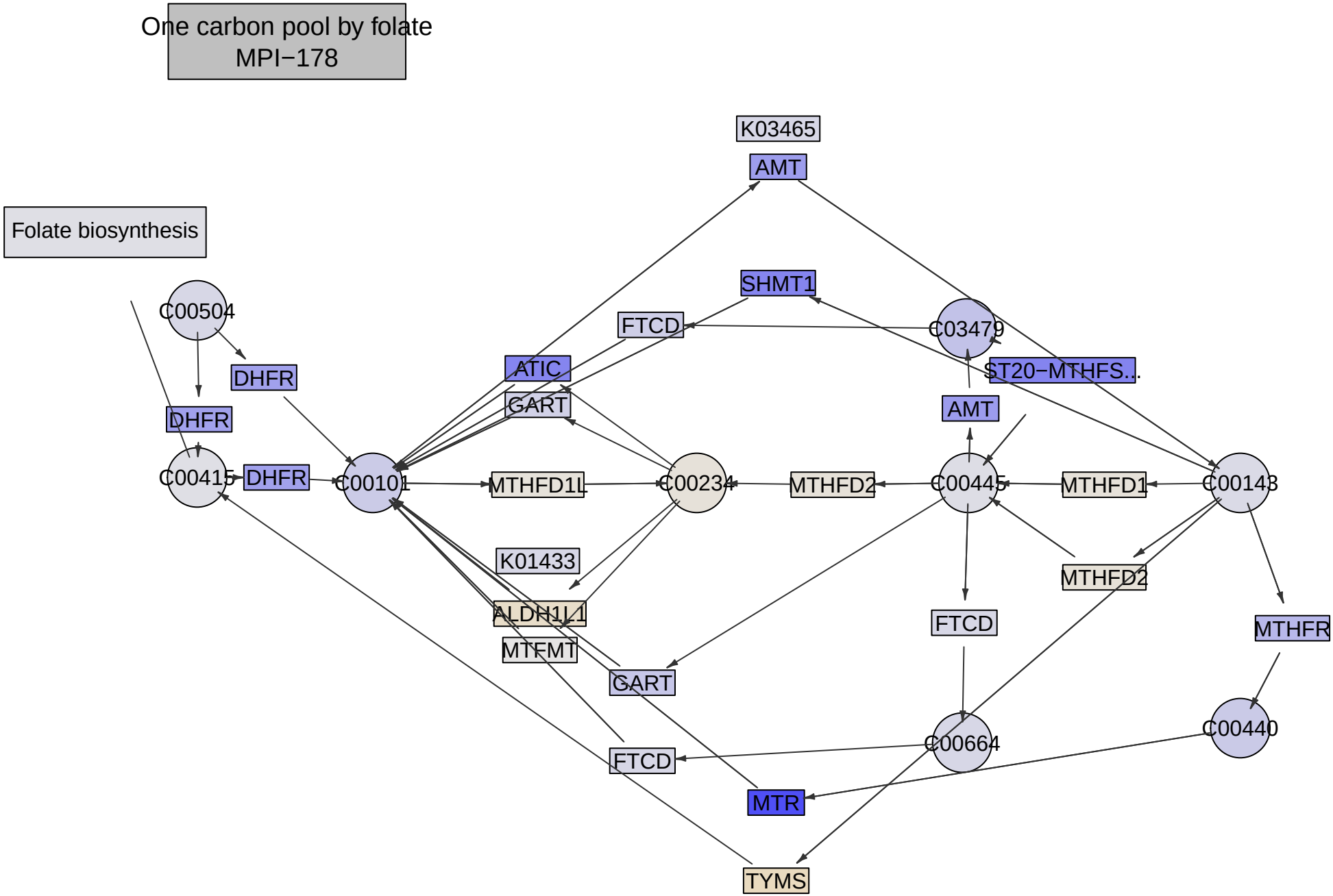
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−178
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
MTHFR
MTFMT
GART
C00664
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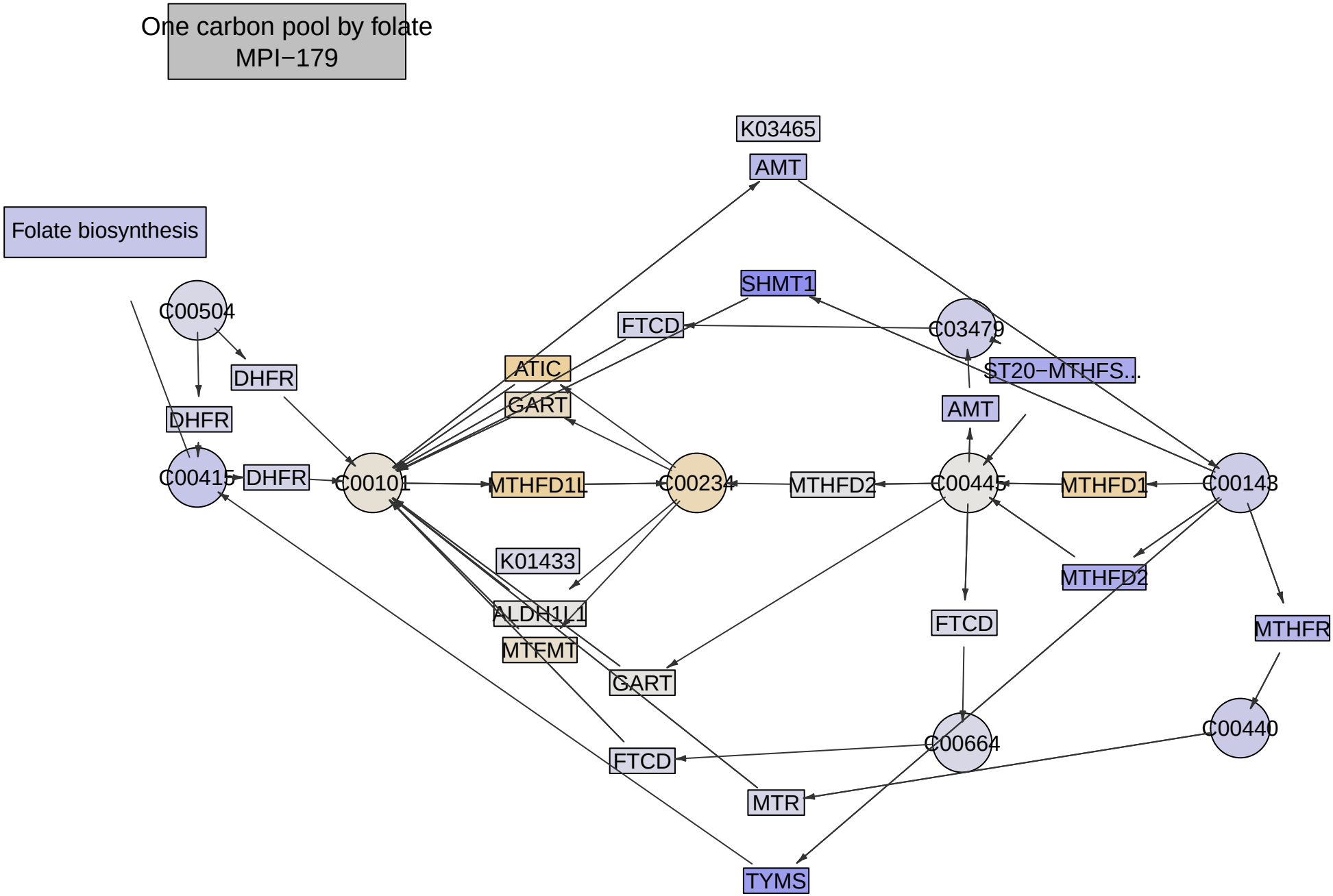
FTCD
MTR
TYMS


One carbon pool by folate
MPI−179
Folate biosynthesis
K03465
AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
MTHFR
MTFMT
GART
C00440
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FTCD
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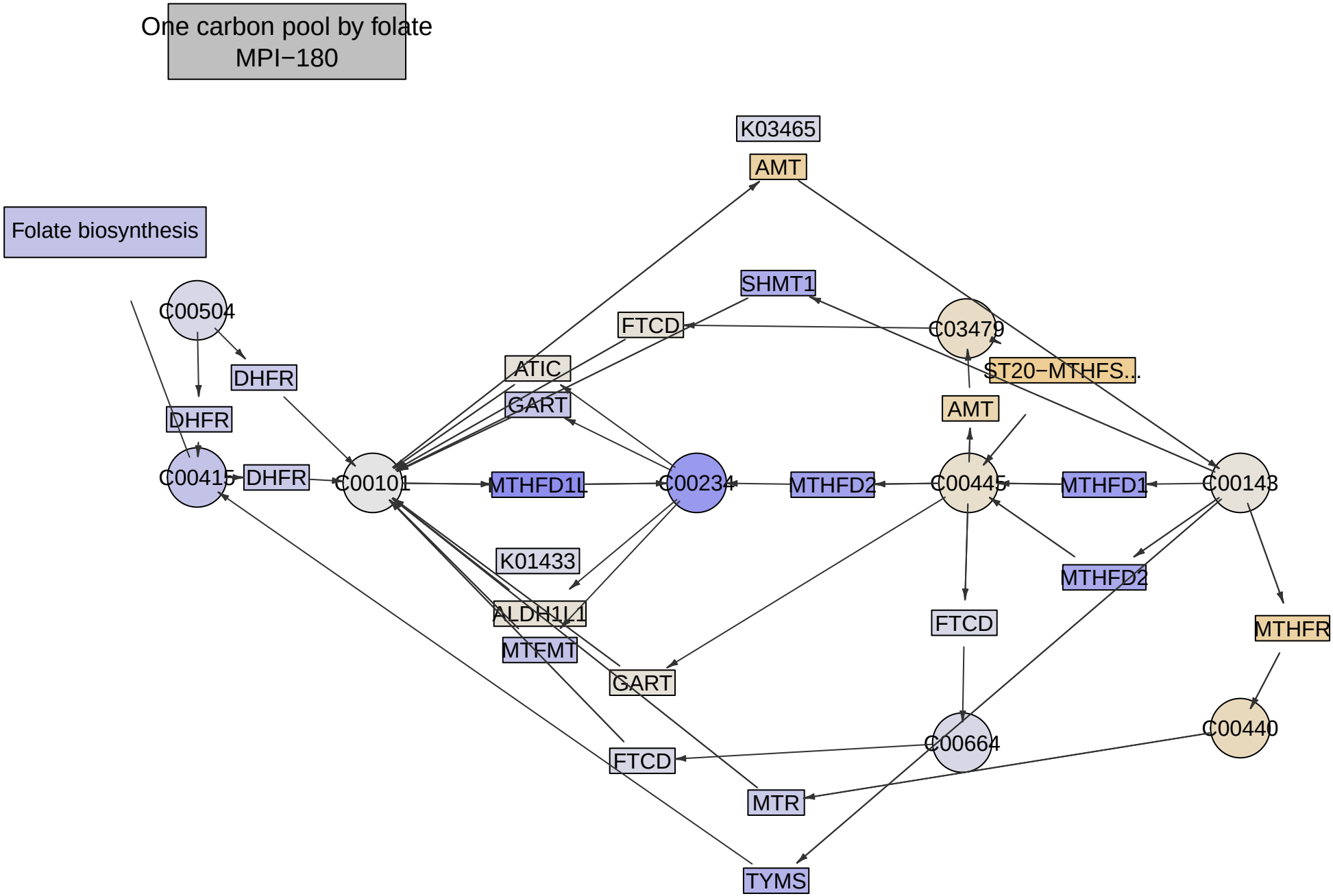
TYMS


One carbon pool by folate
MPI−180
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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FTCD
MTHFR
MTFMT
GART
C00440
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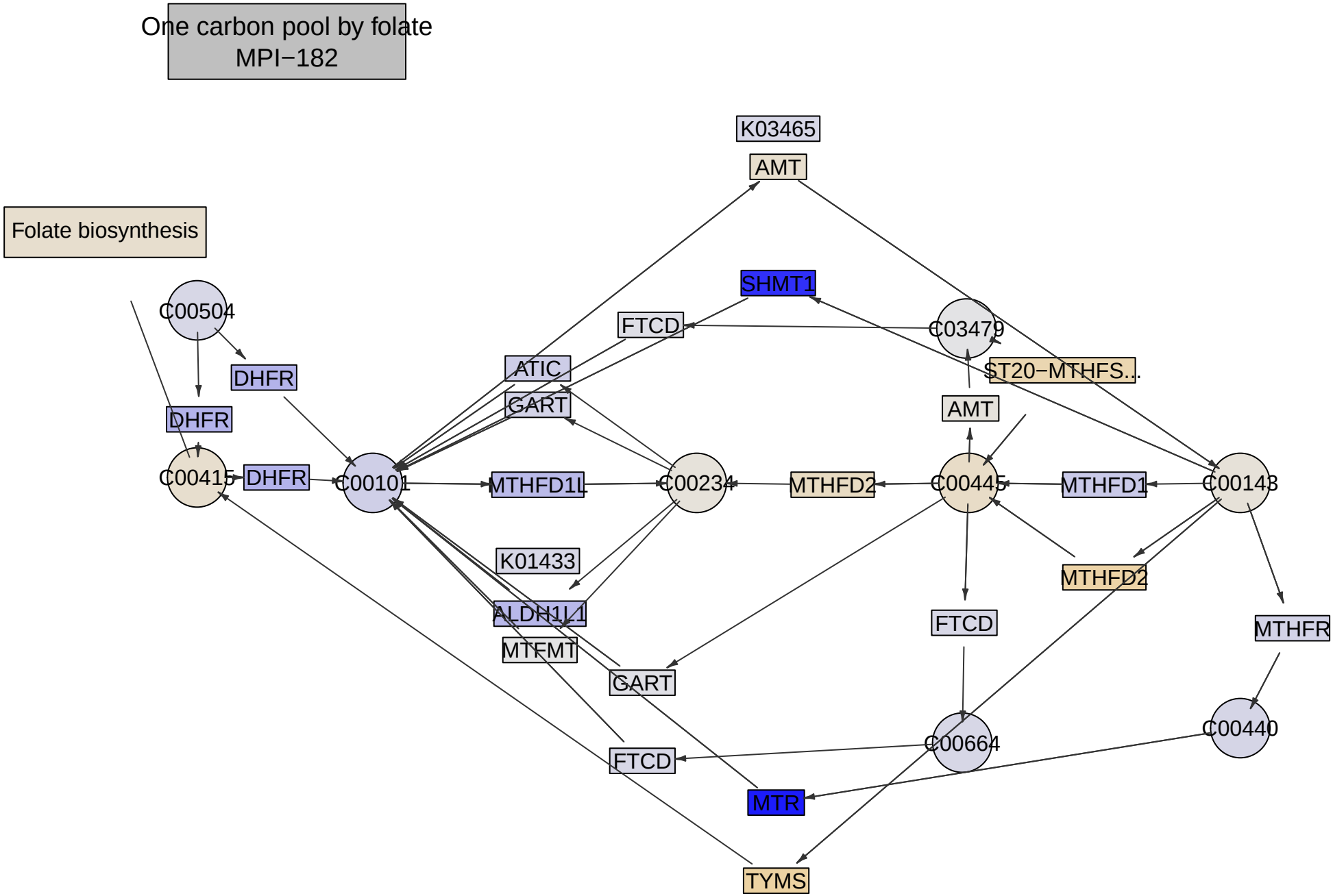
FTCD
MTR
TYMS


One carbon pool by folate
MPI−182
Folate biosynthesis
K03465
AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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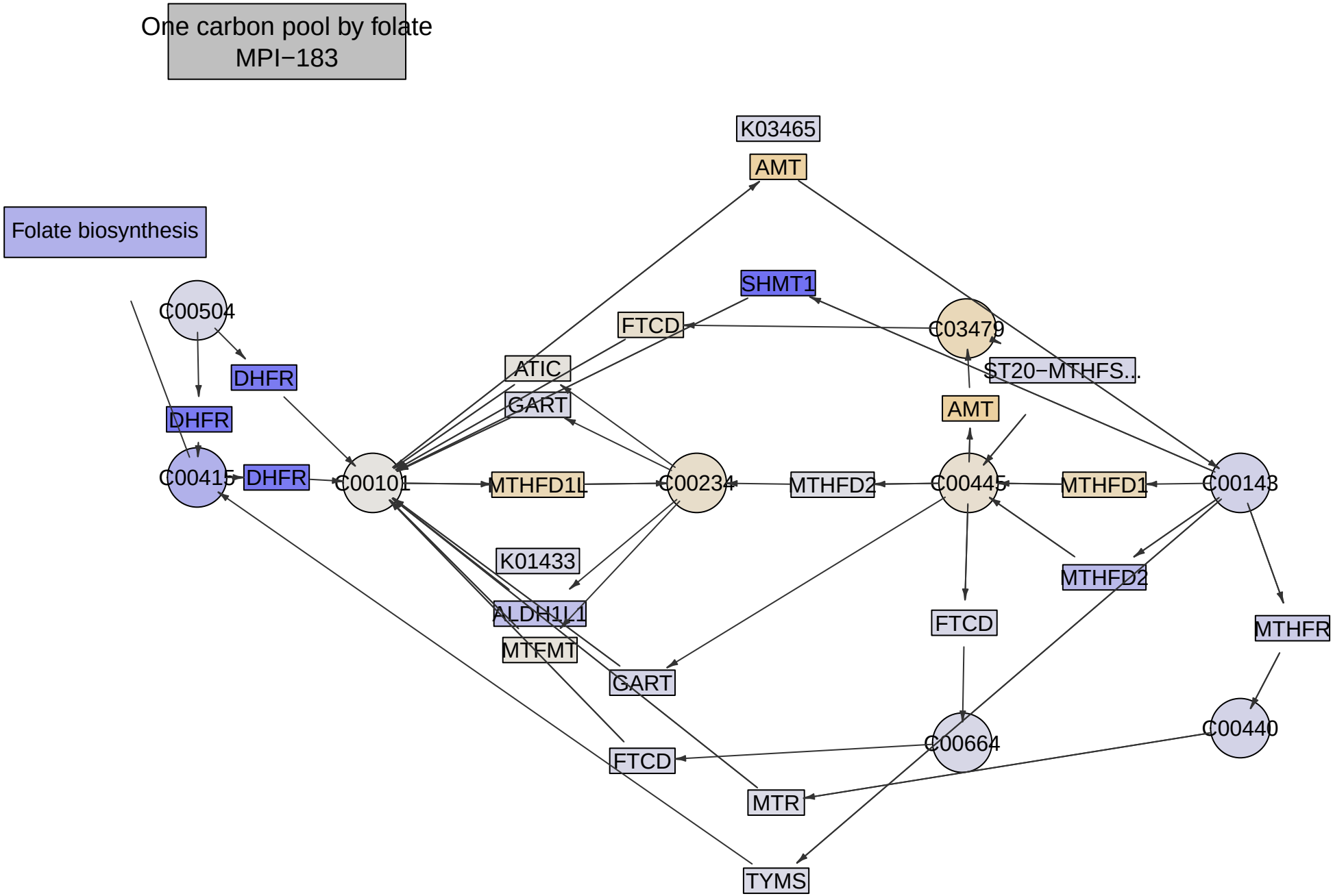
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−183
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
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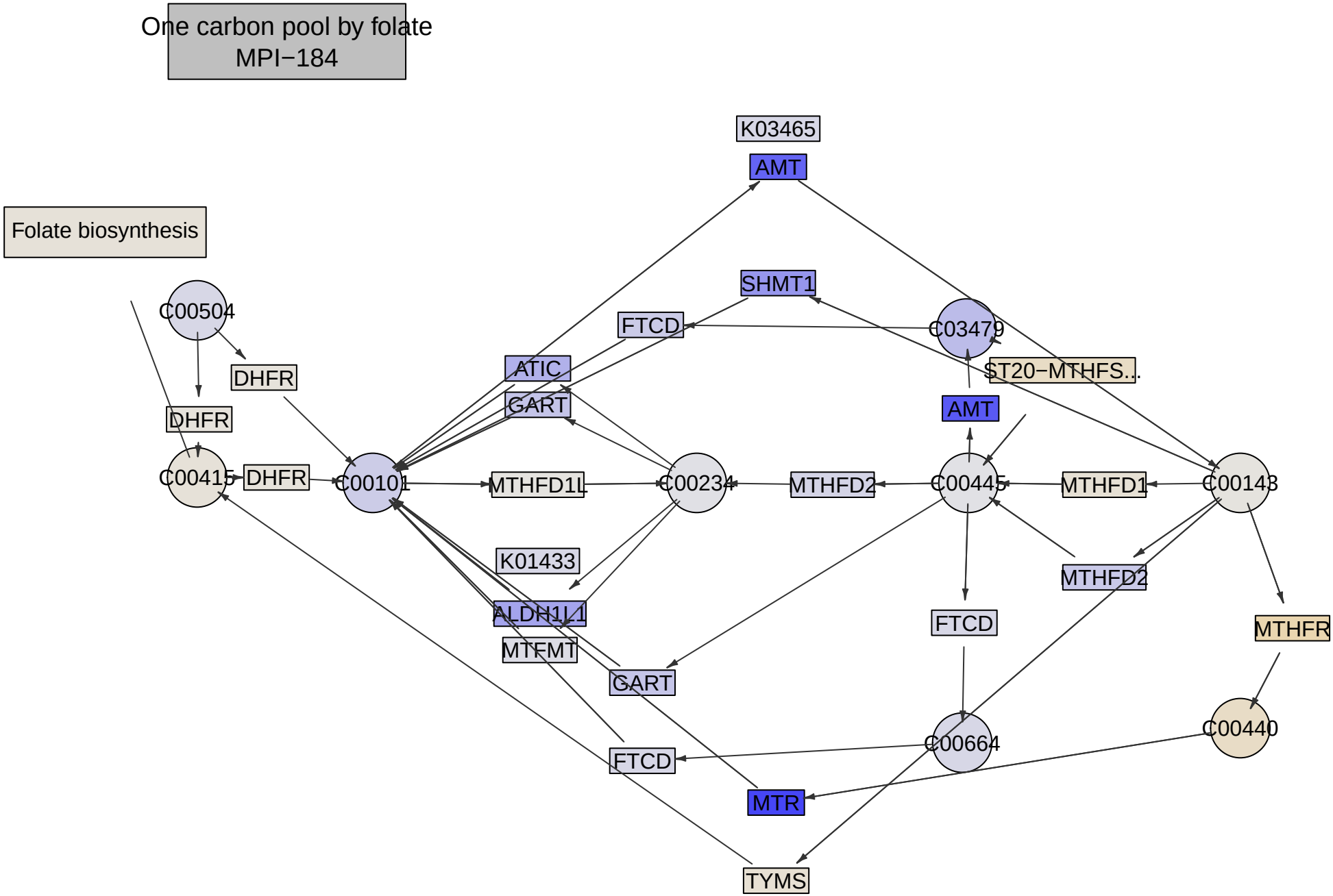
FTCD
MTR
TYMS


One carbon pool by folate
MPI−184
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
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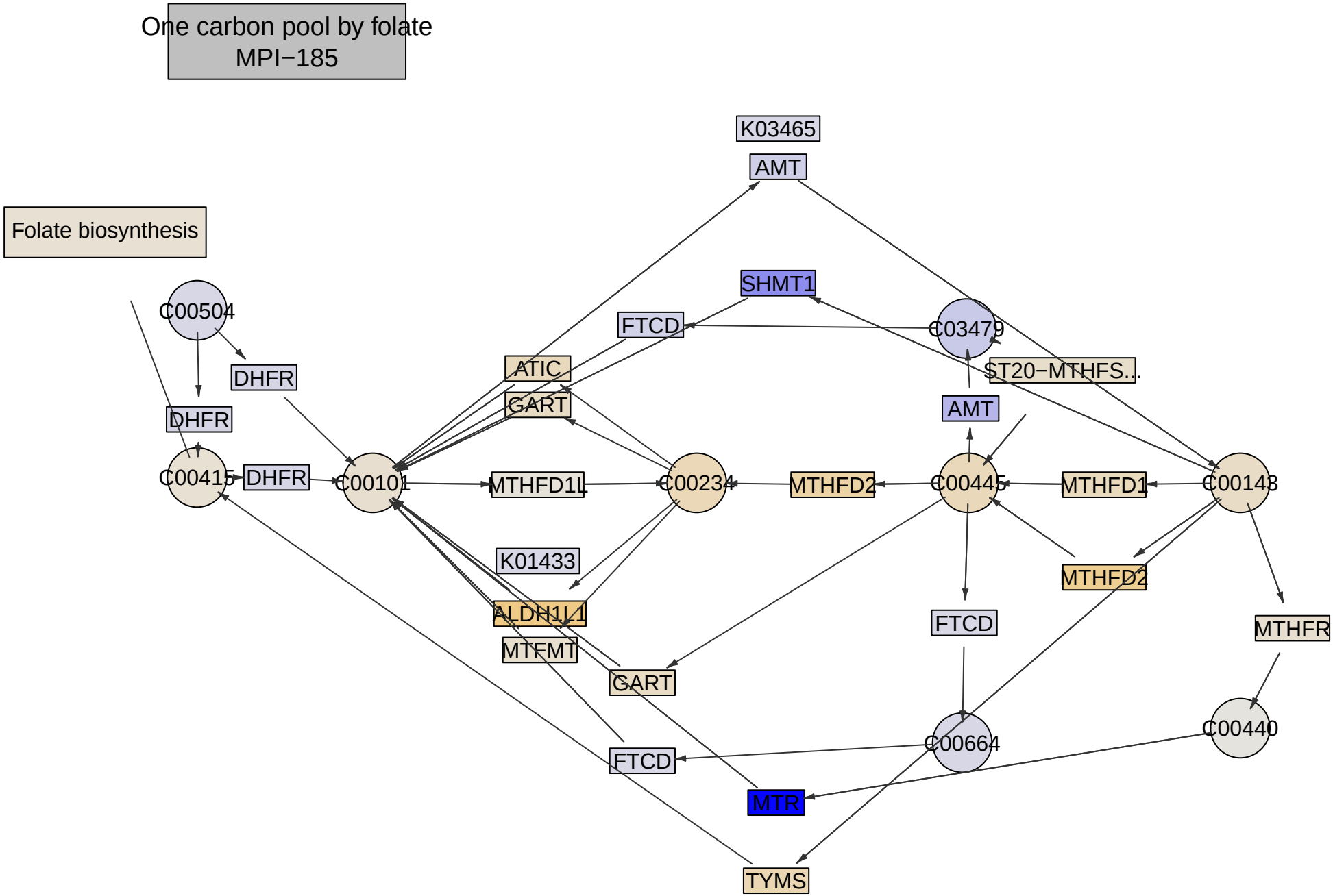
FTCD
MTR
TYMS


One carbon pool by folate
MPI−185
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
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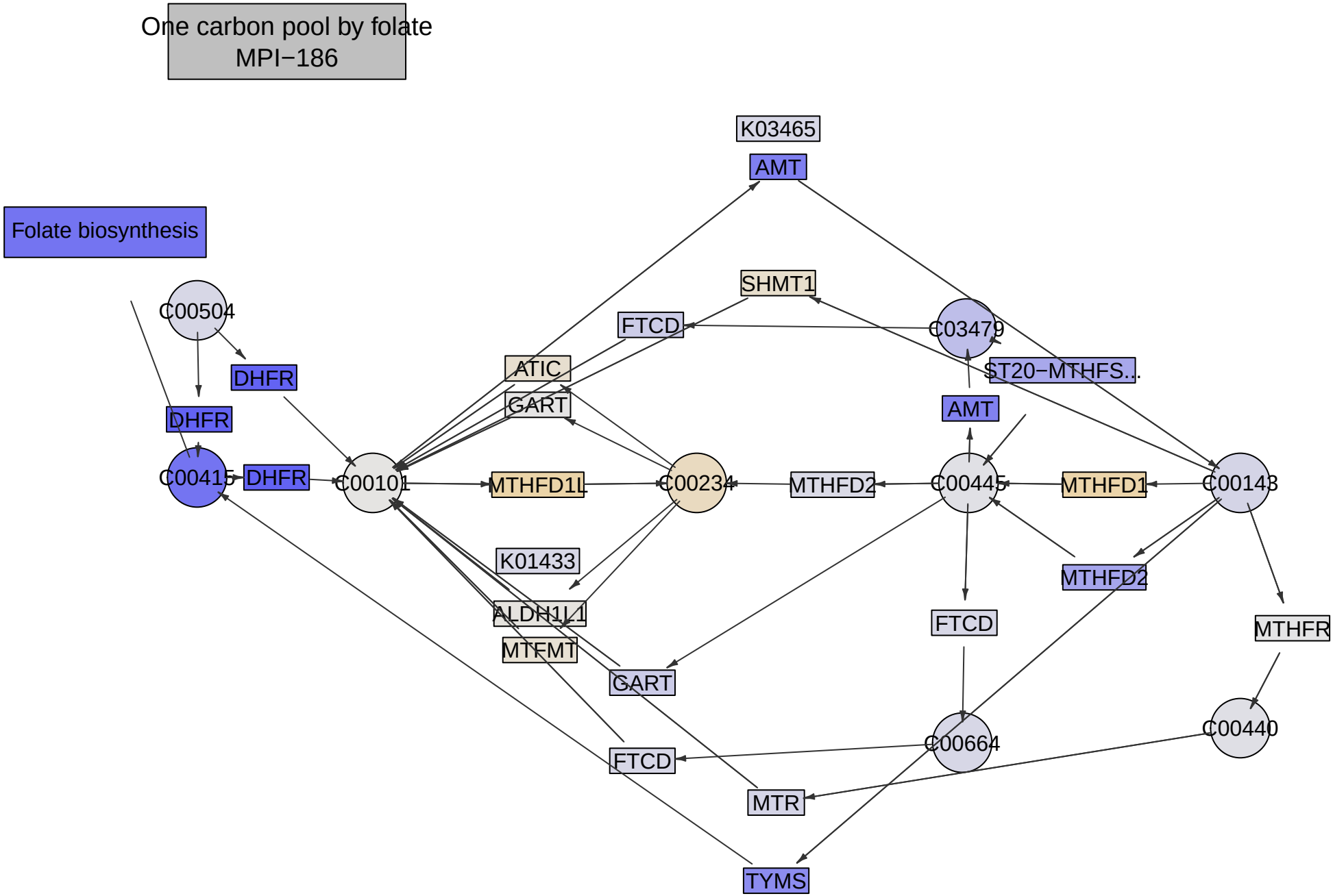
FTCD
MTR
TYMS


One carbon pool by folate
MPI−186
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
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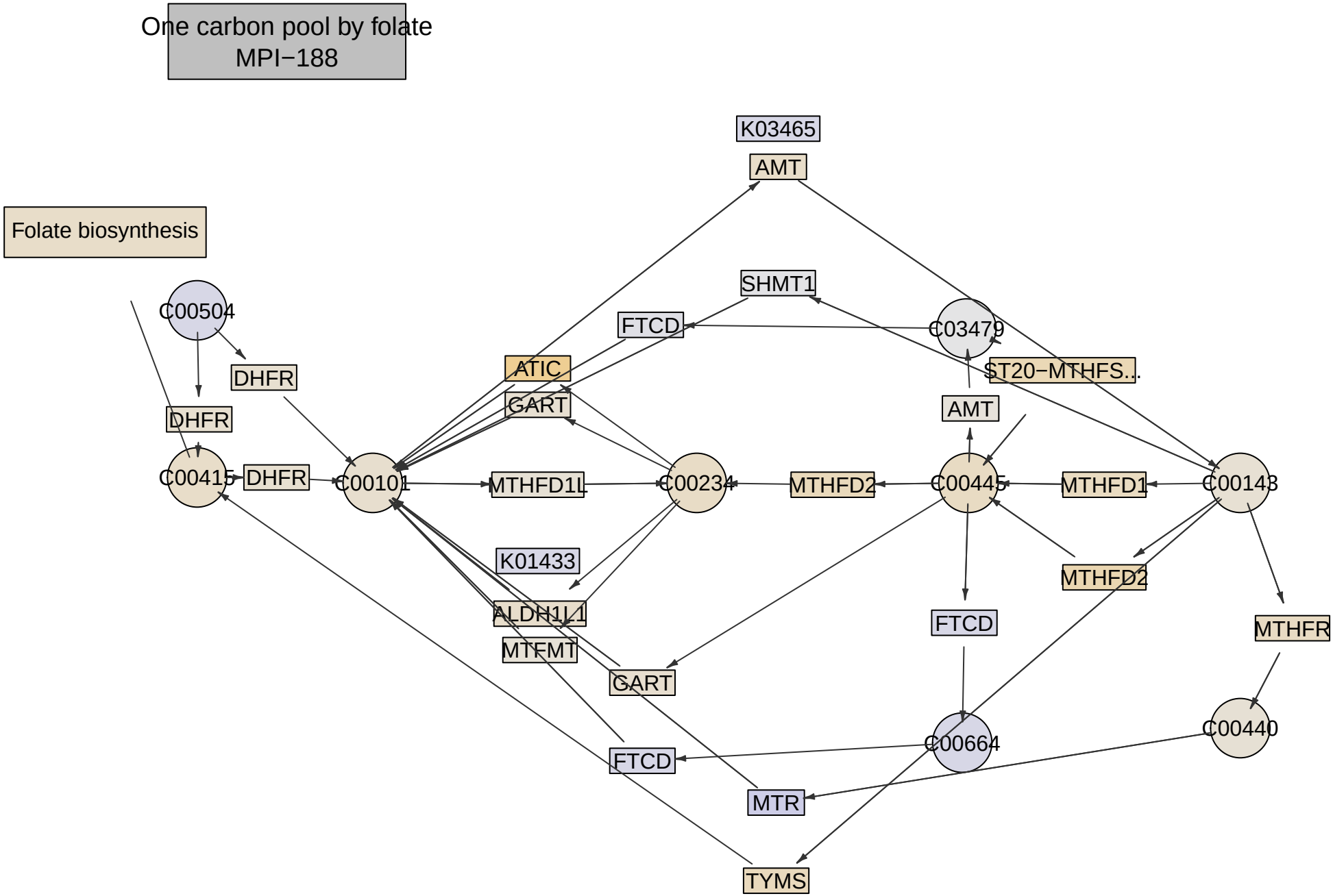
FTCD
MTR
TYMS


One carbon pool by folate
MPI−188
Folate biosynthesis
K03465
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SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
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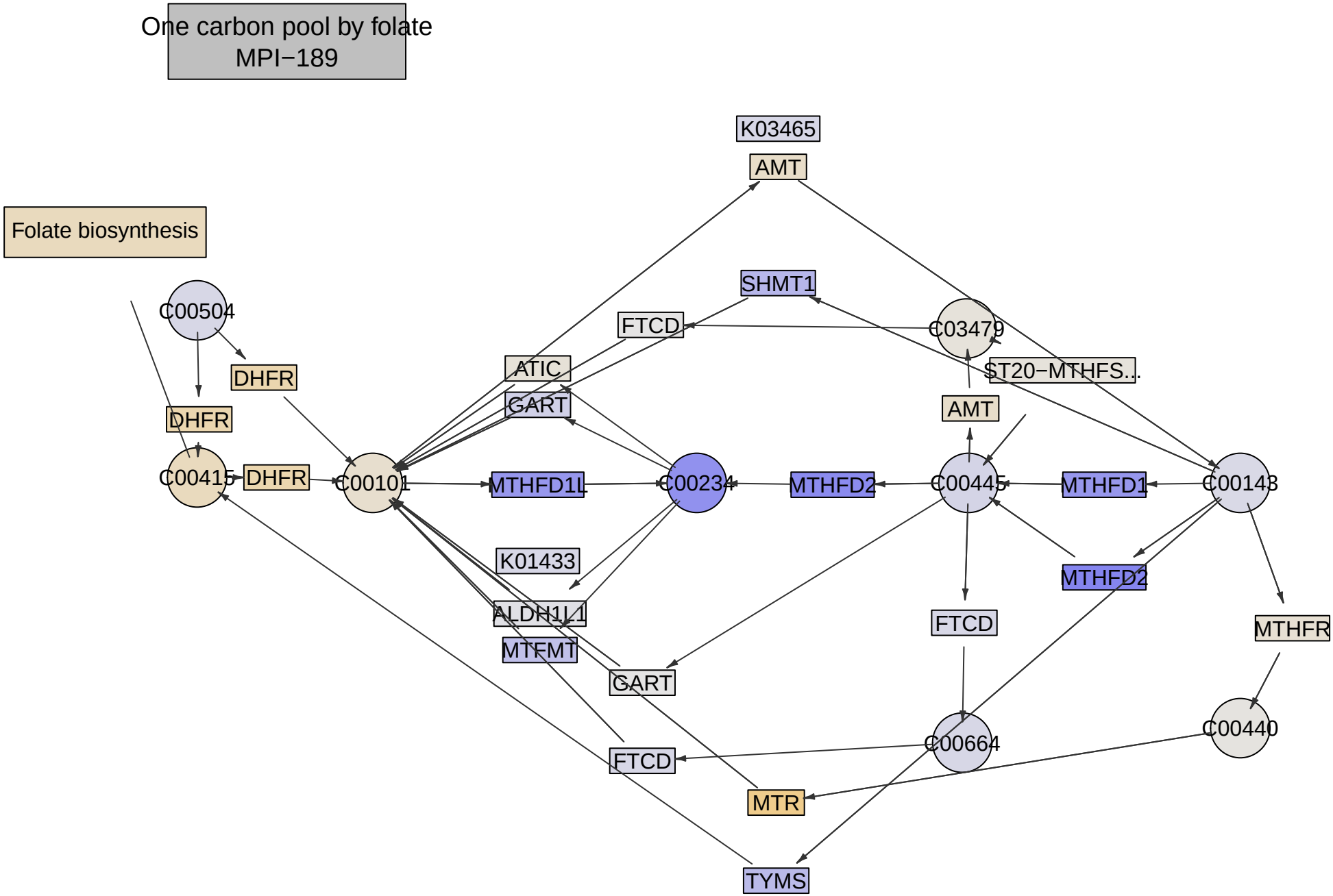
FTCD
MTR
TYMS


One carbon pool by folate
MPI−189
Folate biosynthesis
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SHMT1
FTCD
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GART
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C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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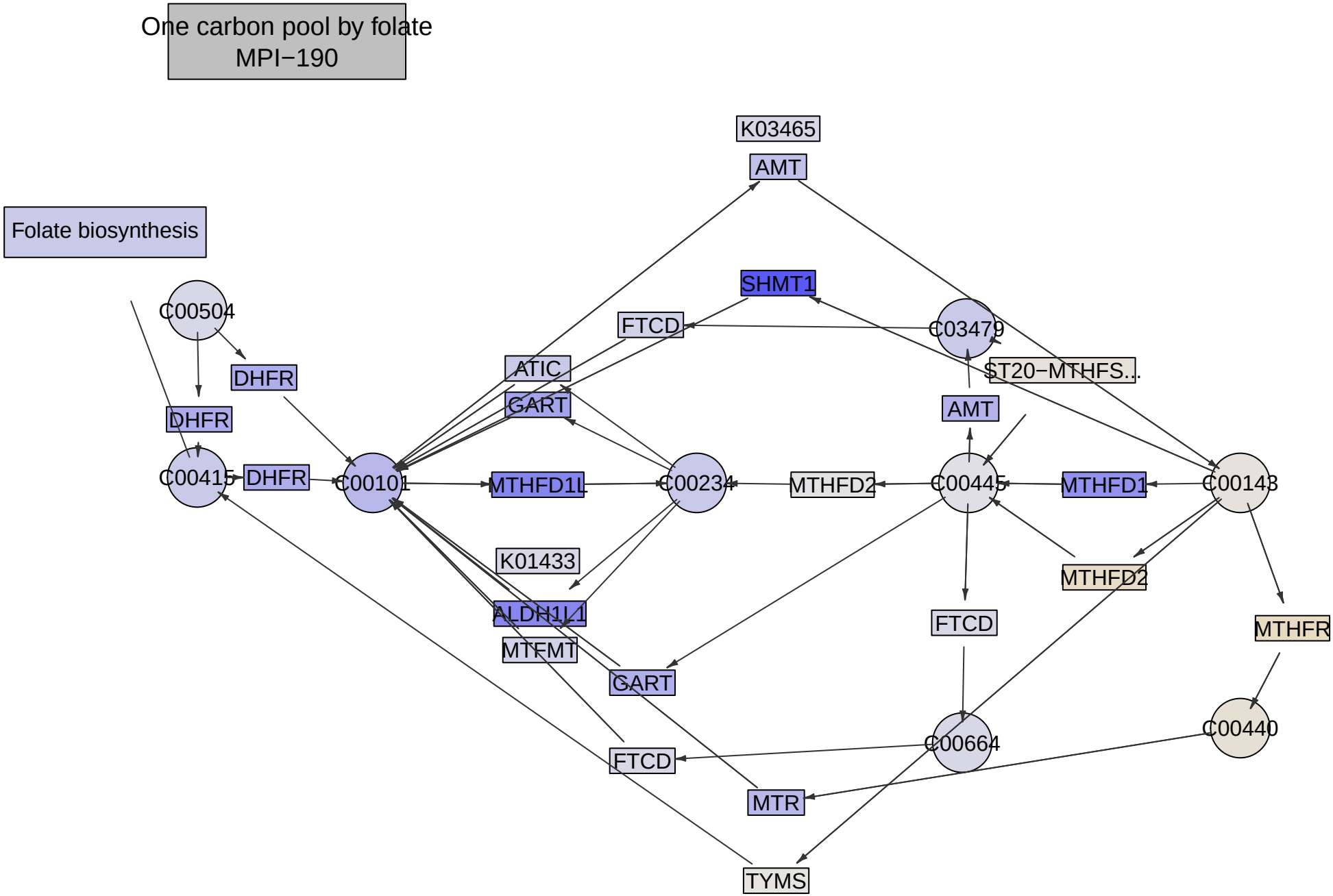
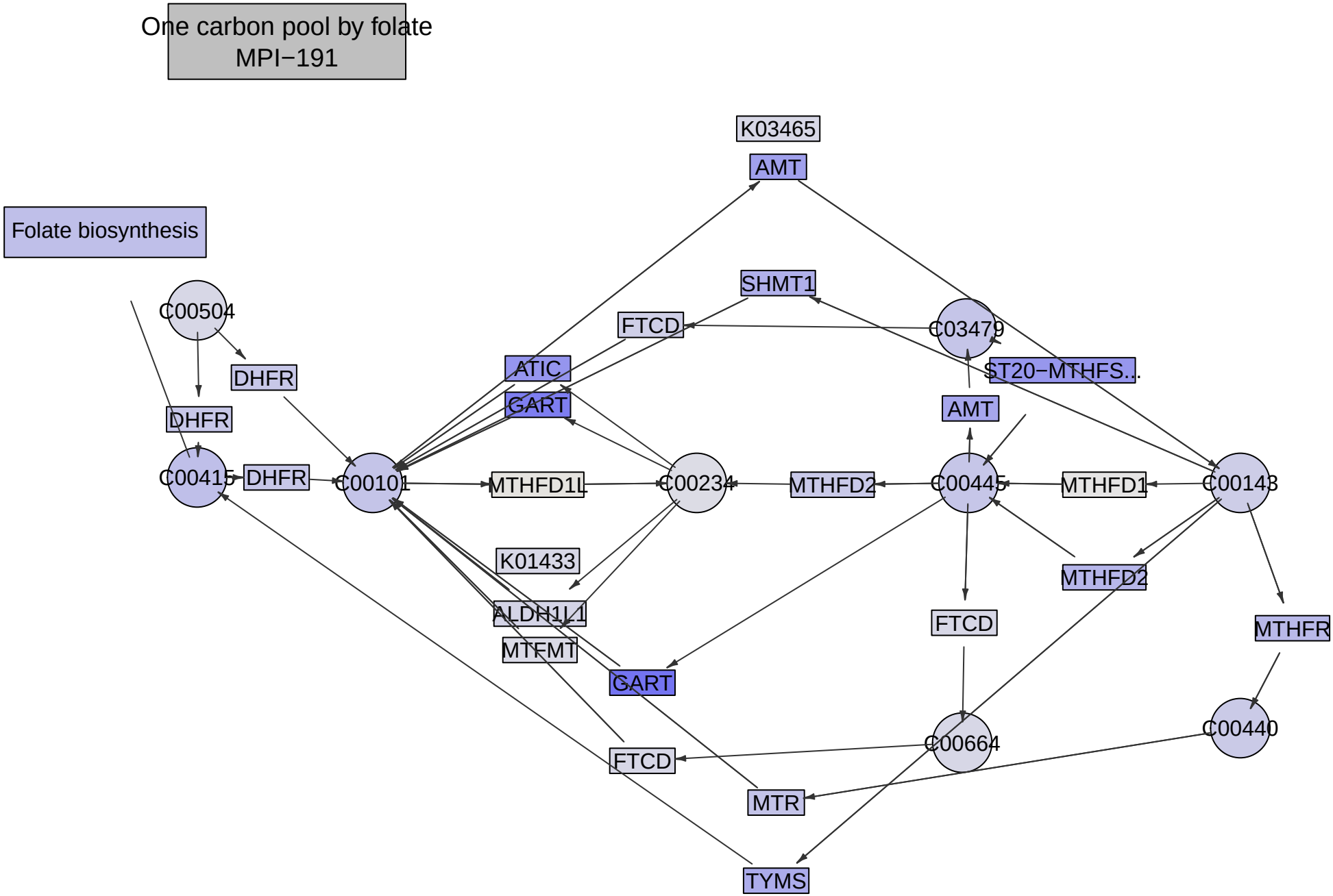
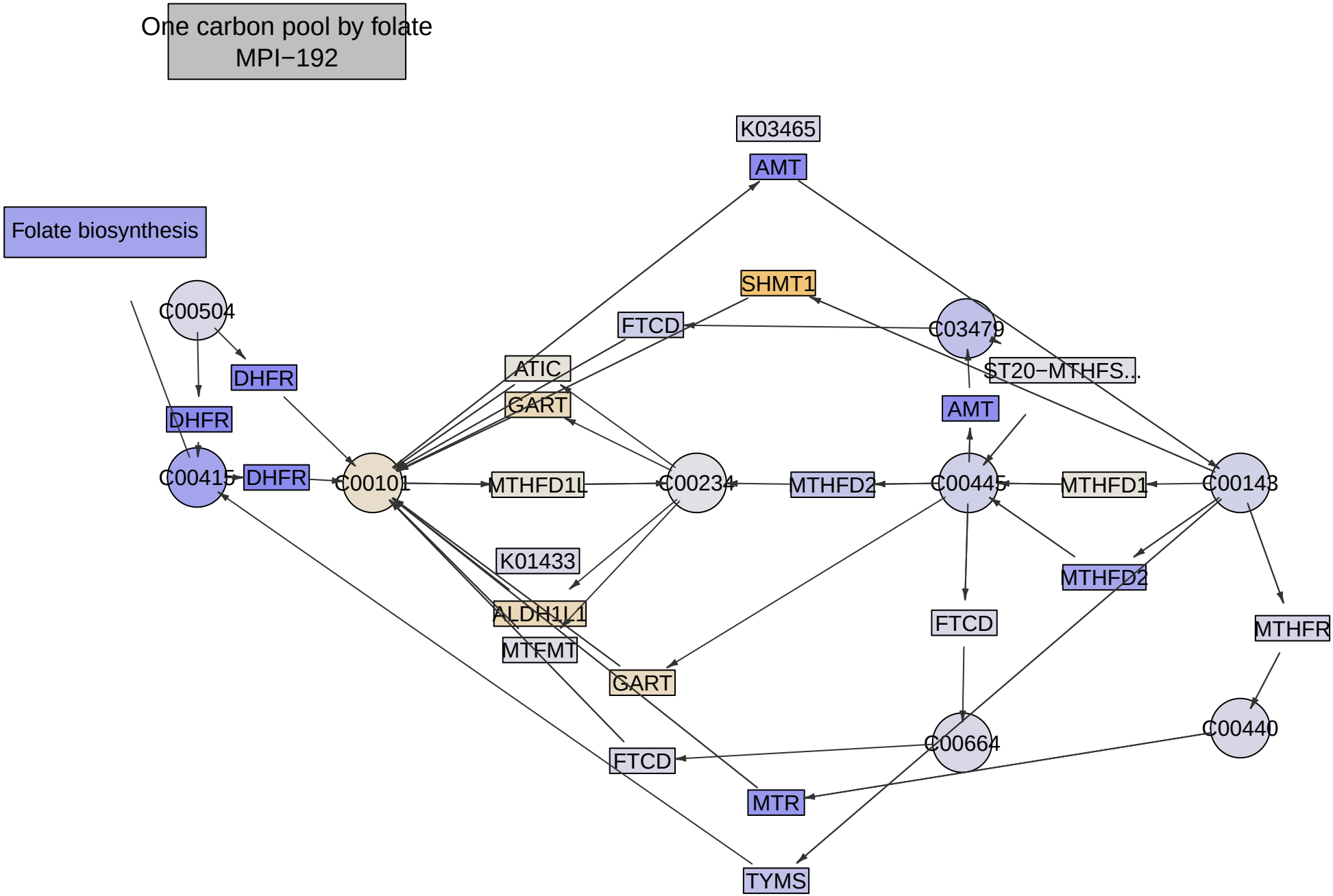
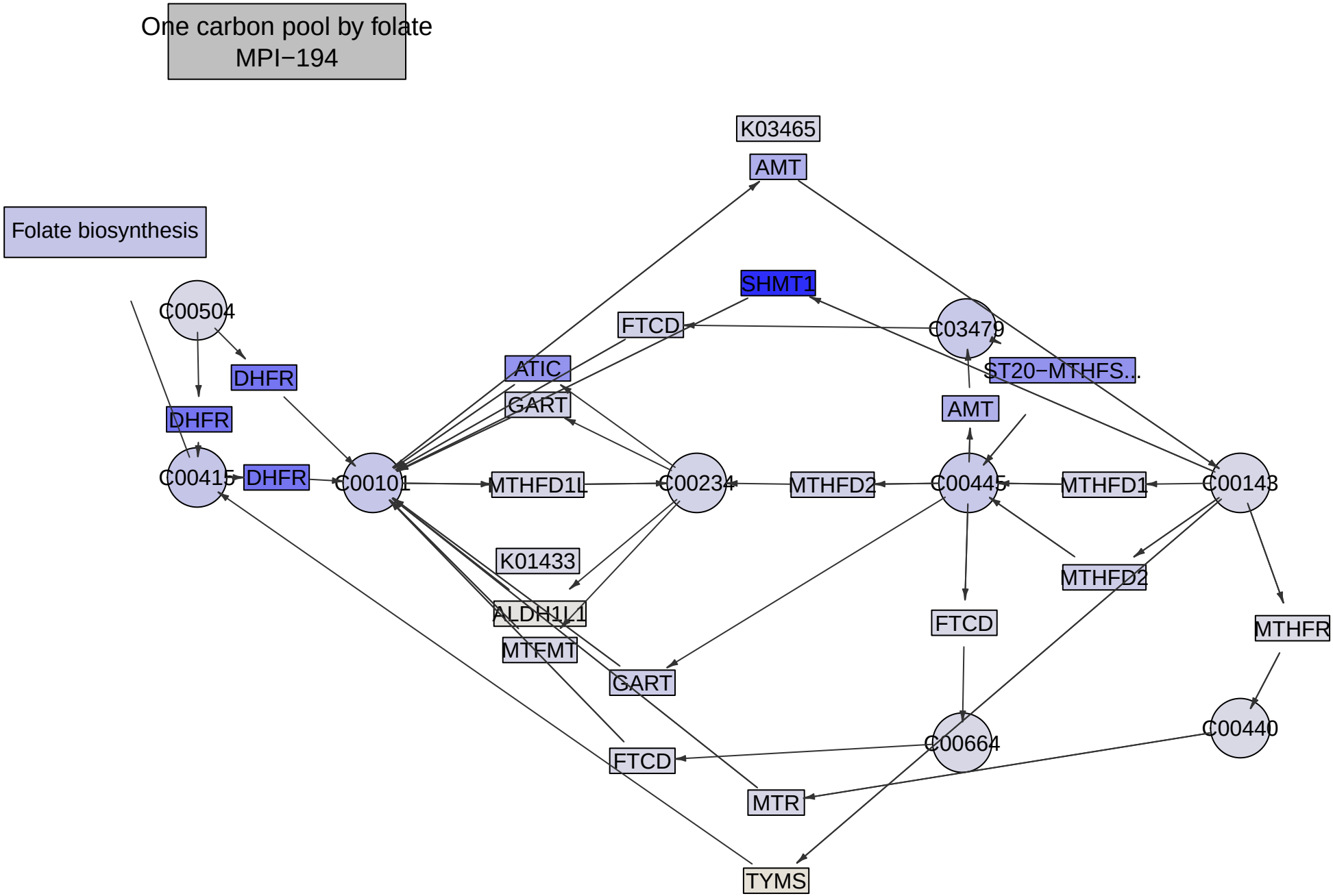
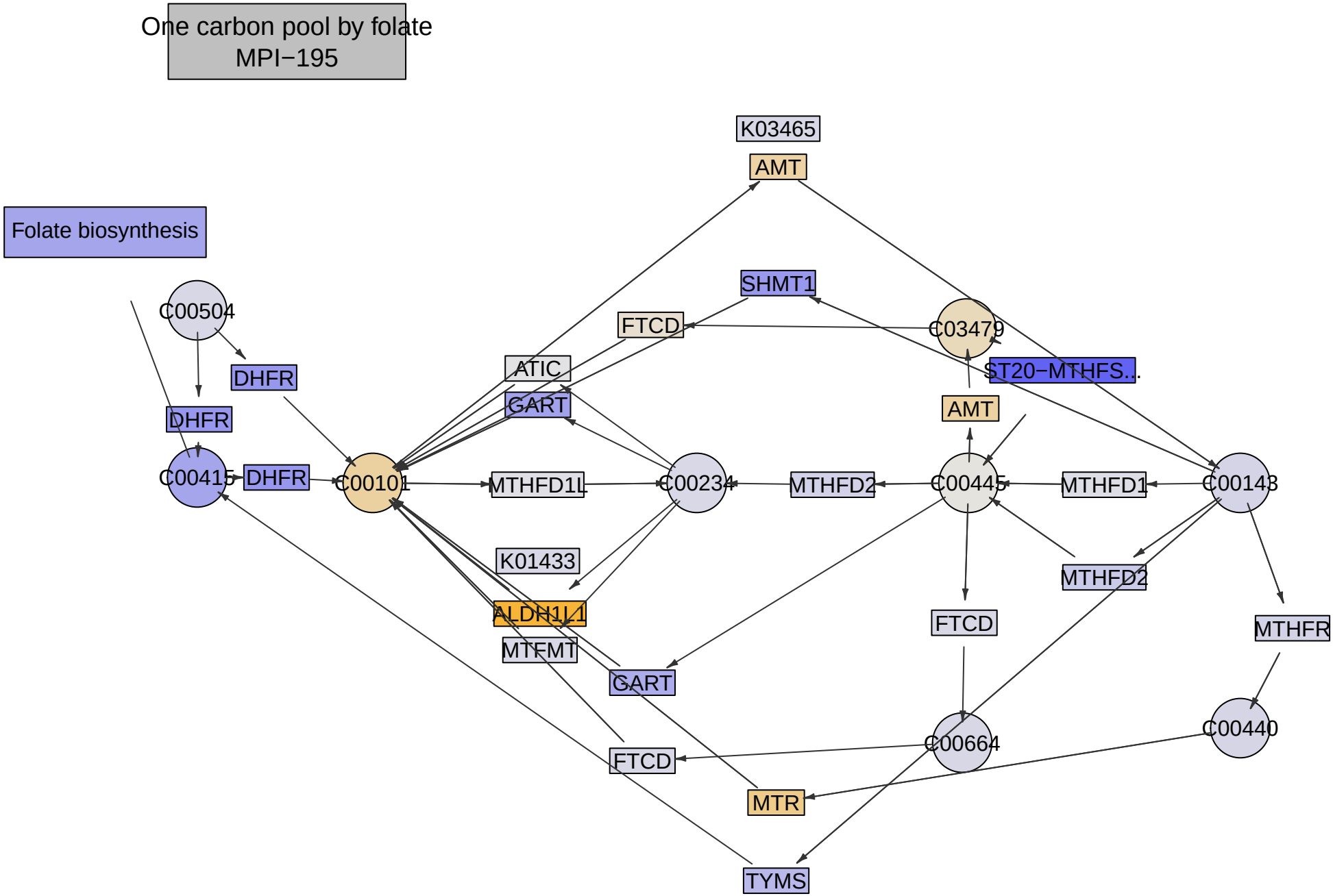
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

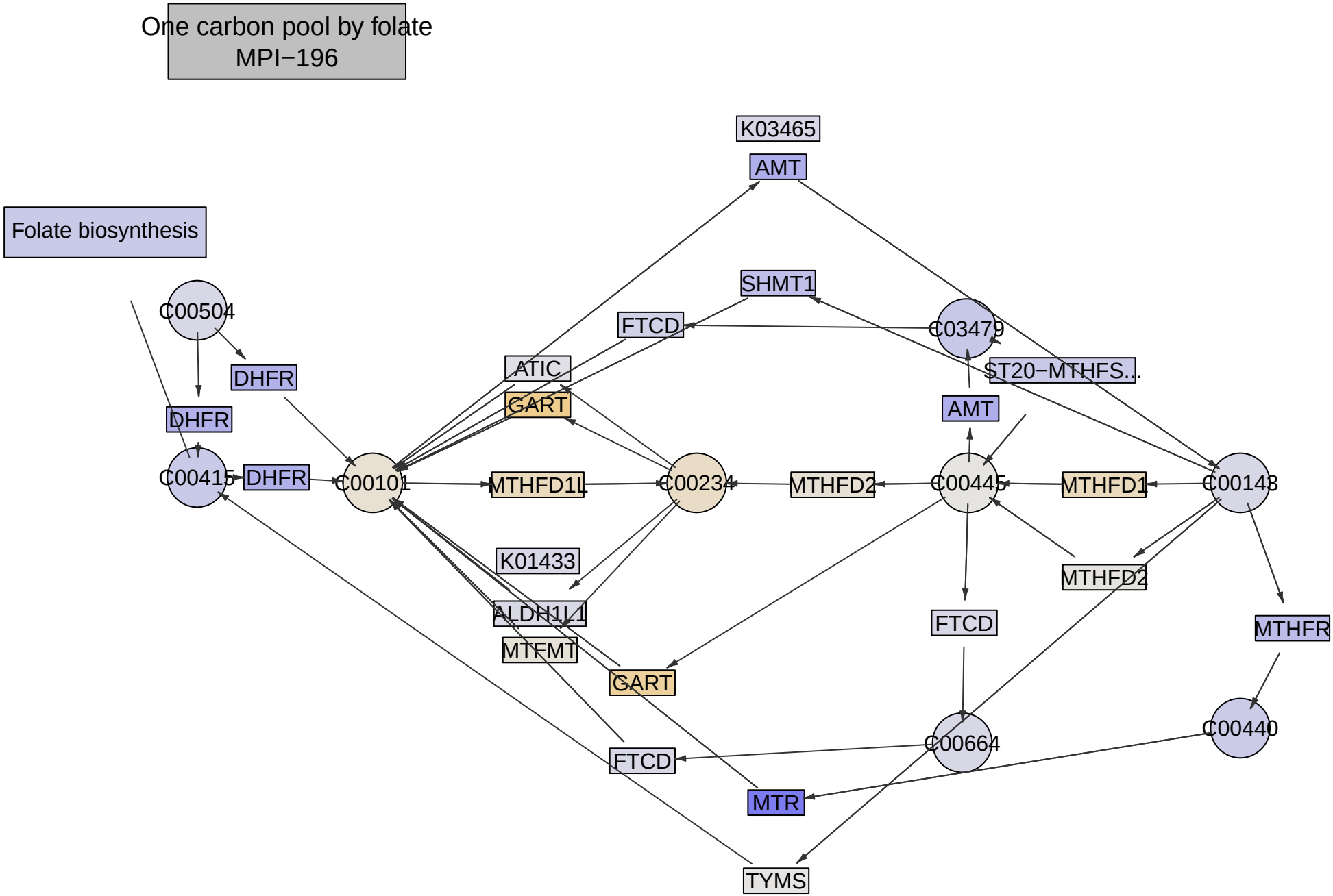

One carbon pool by folate
MPI−190
Folate biosynthesis
K03465
AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

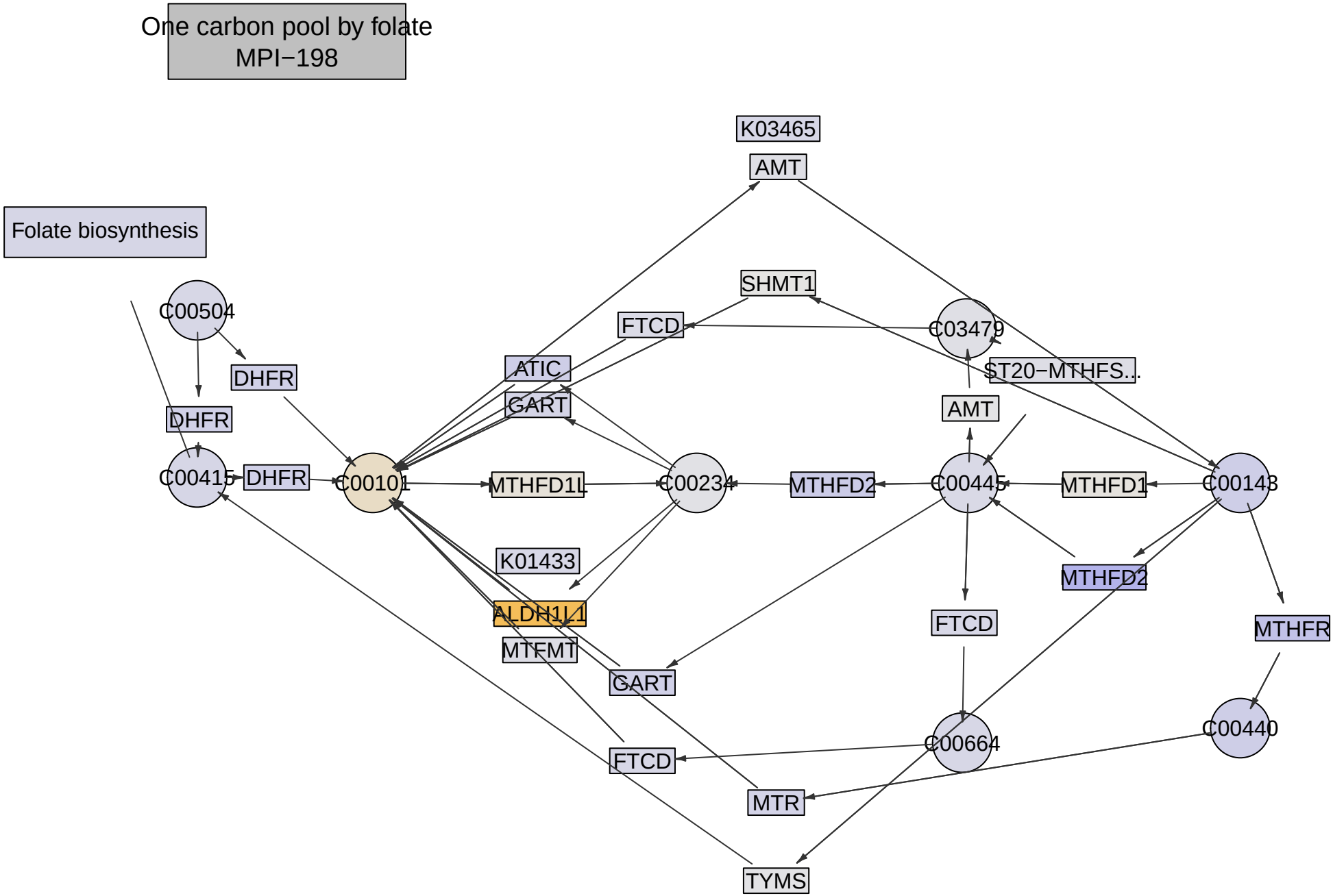

One carbon pool by folate
MPI−191
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

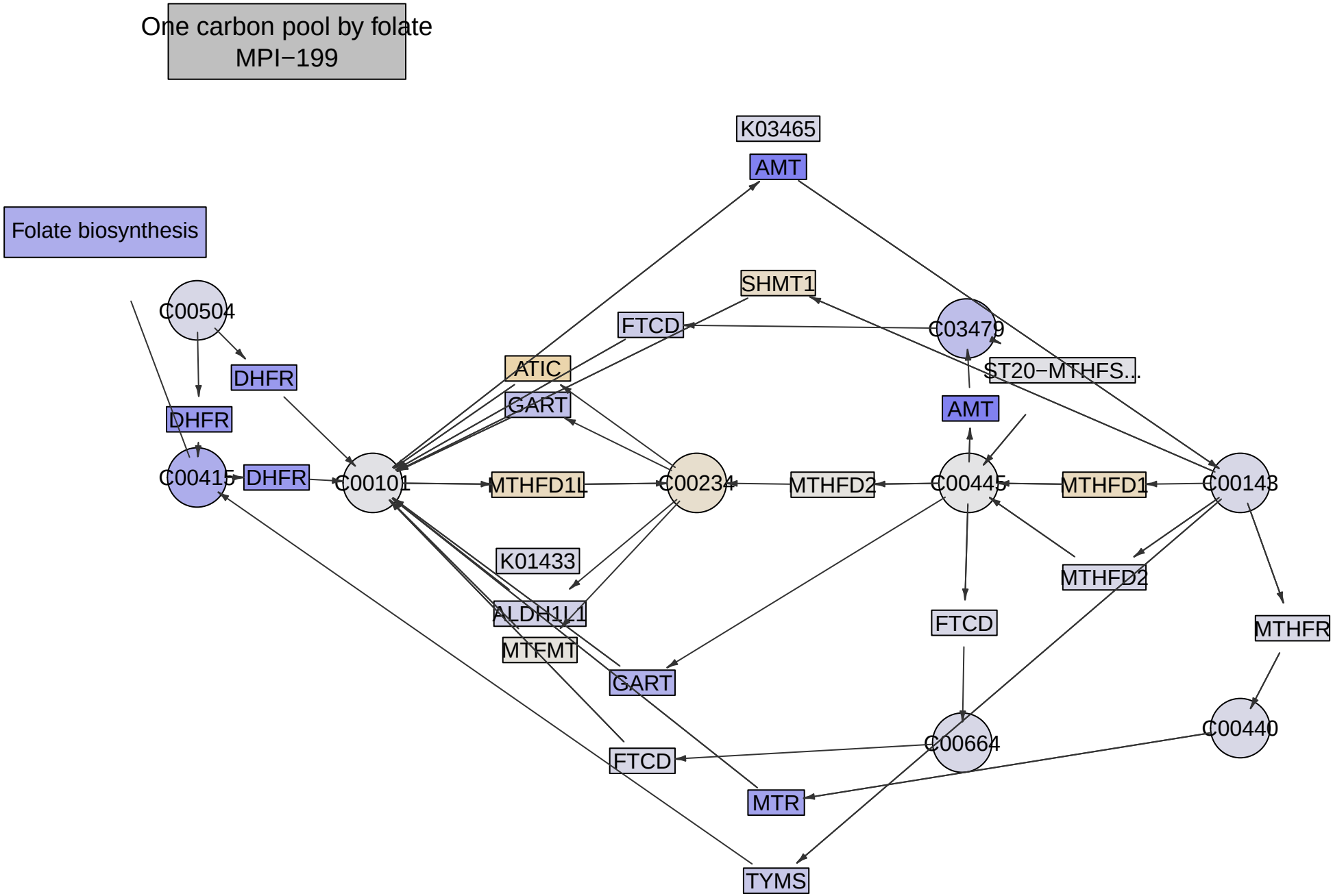

One carbon pool by folate
MPI−192
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

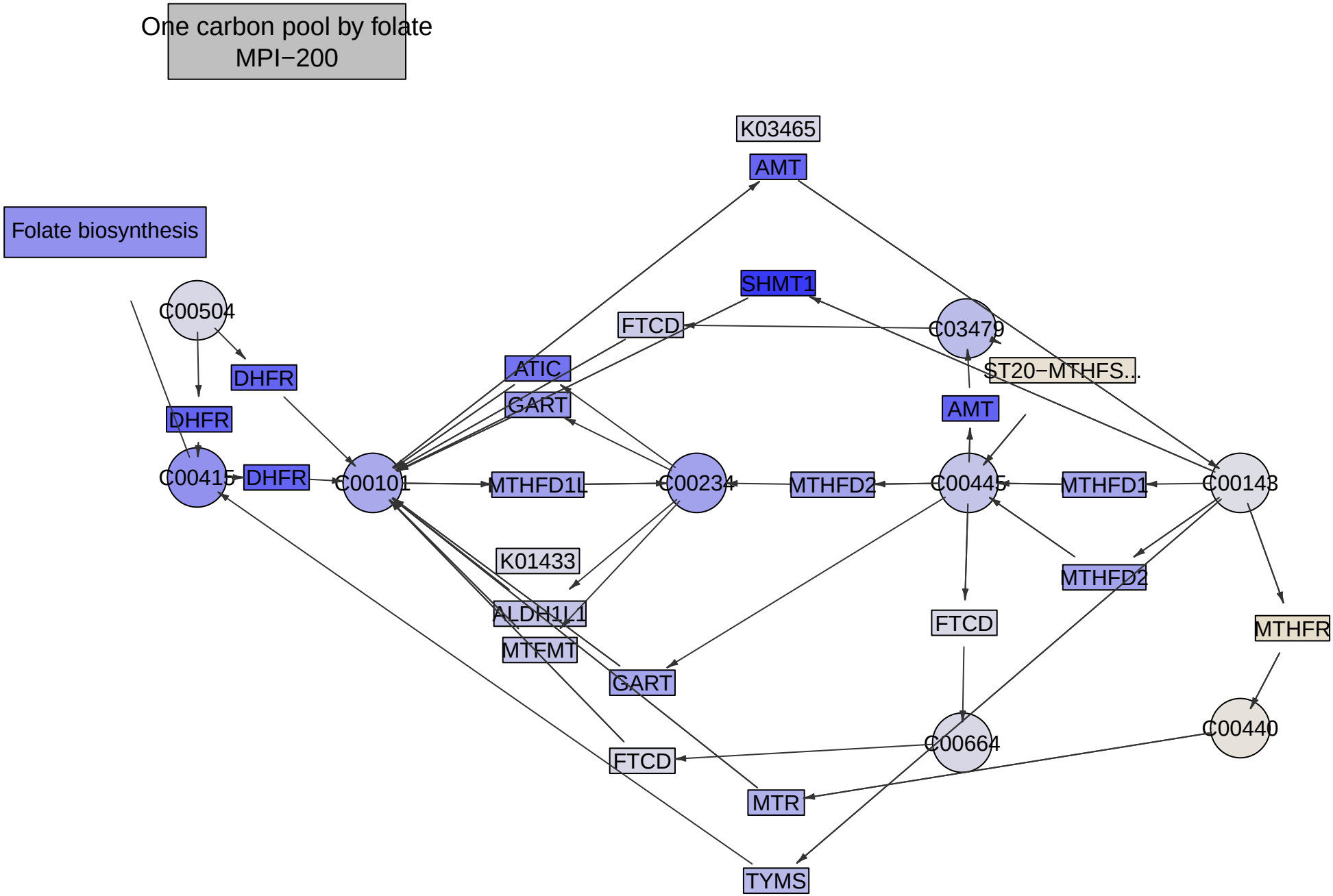

One carbon pool by folate
MPI−194
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

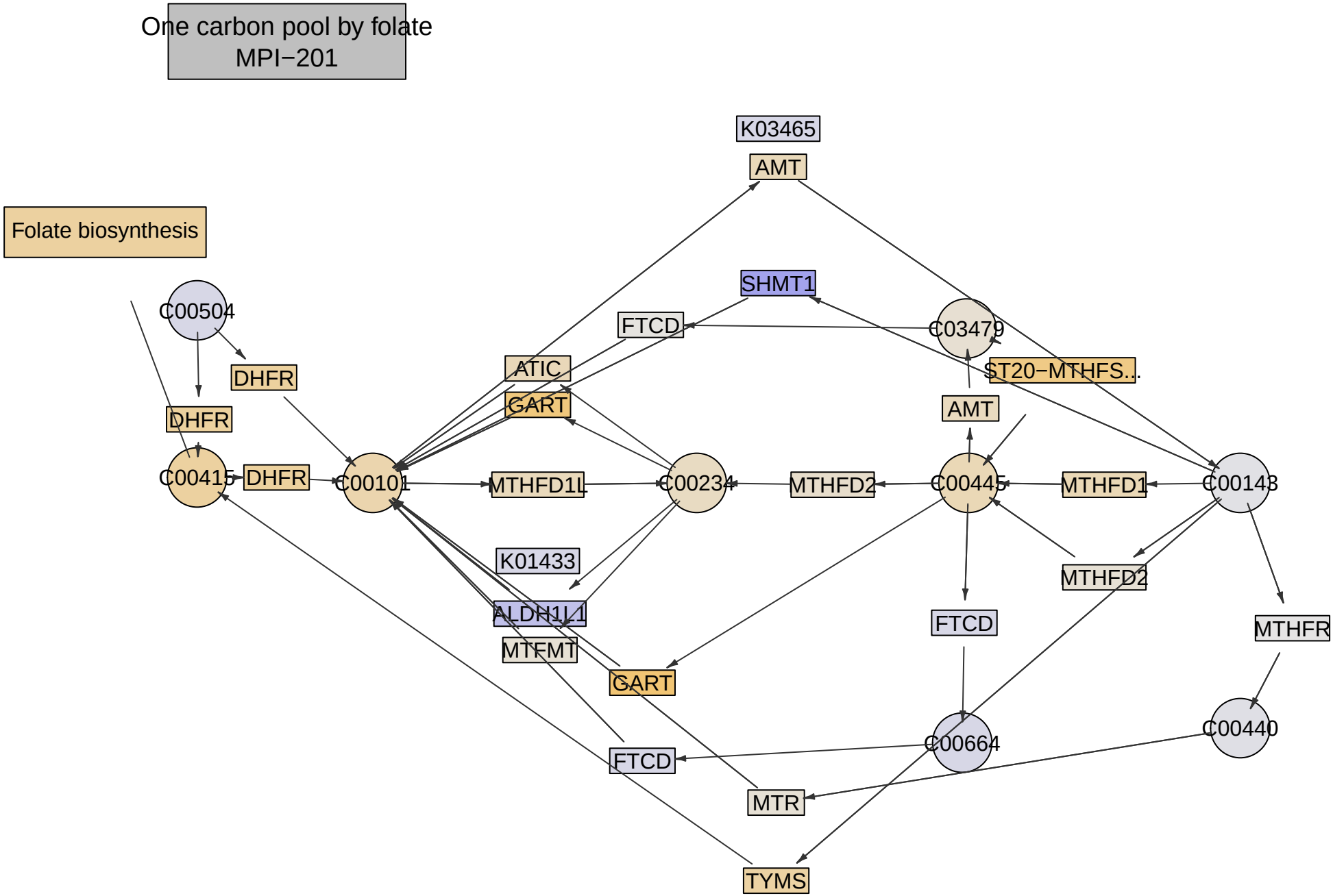

One carbon pool by folate
MPI−195
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

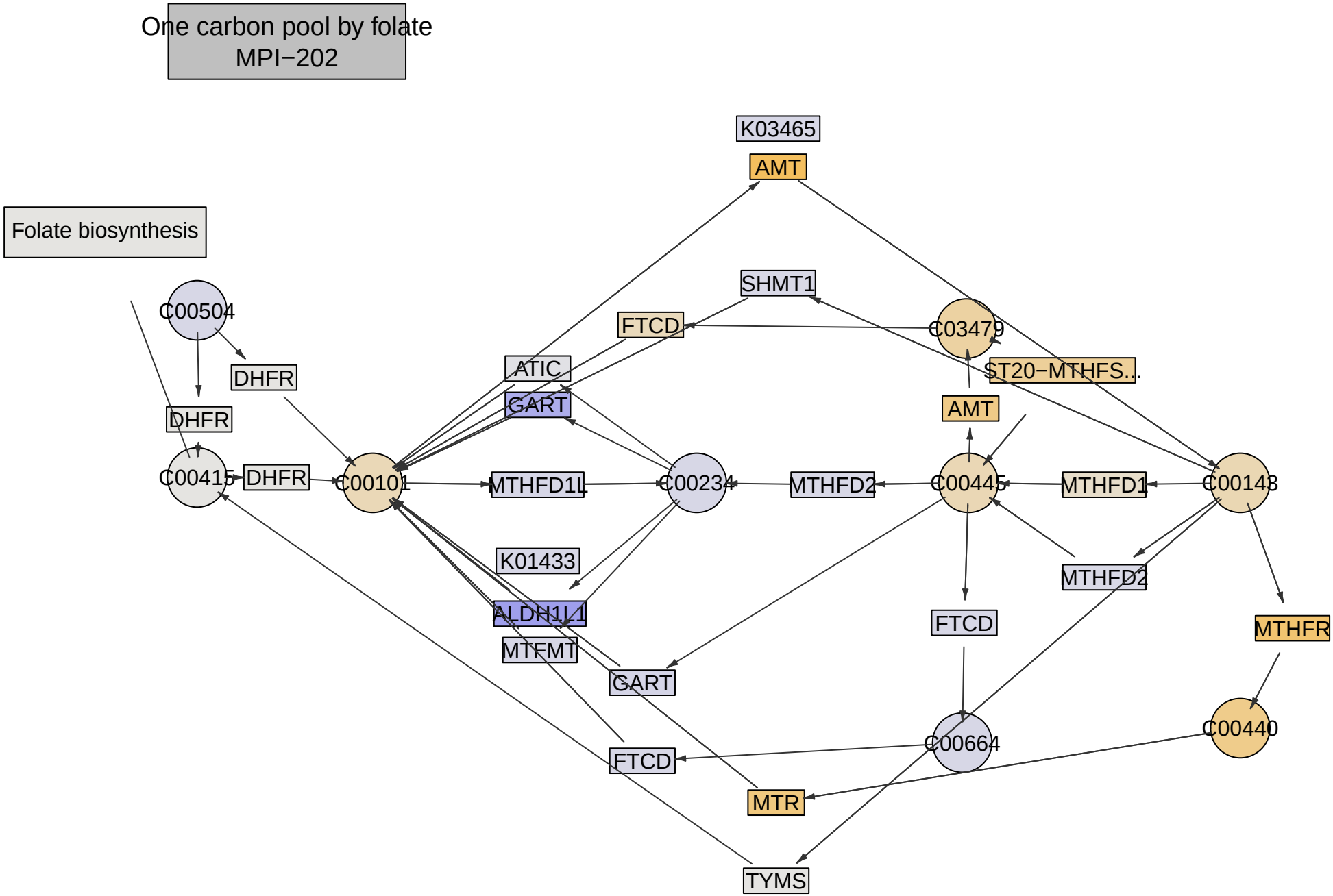

One carbon pool by folate
MPI−196
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
C00440
FTCD
MTR
TYMS

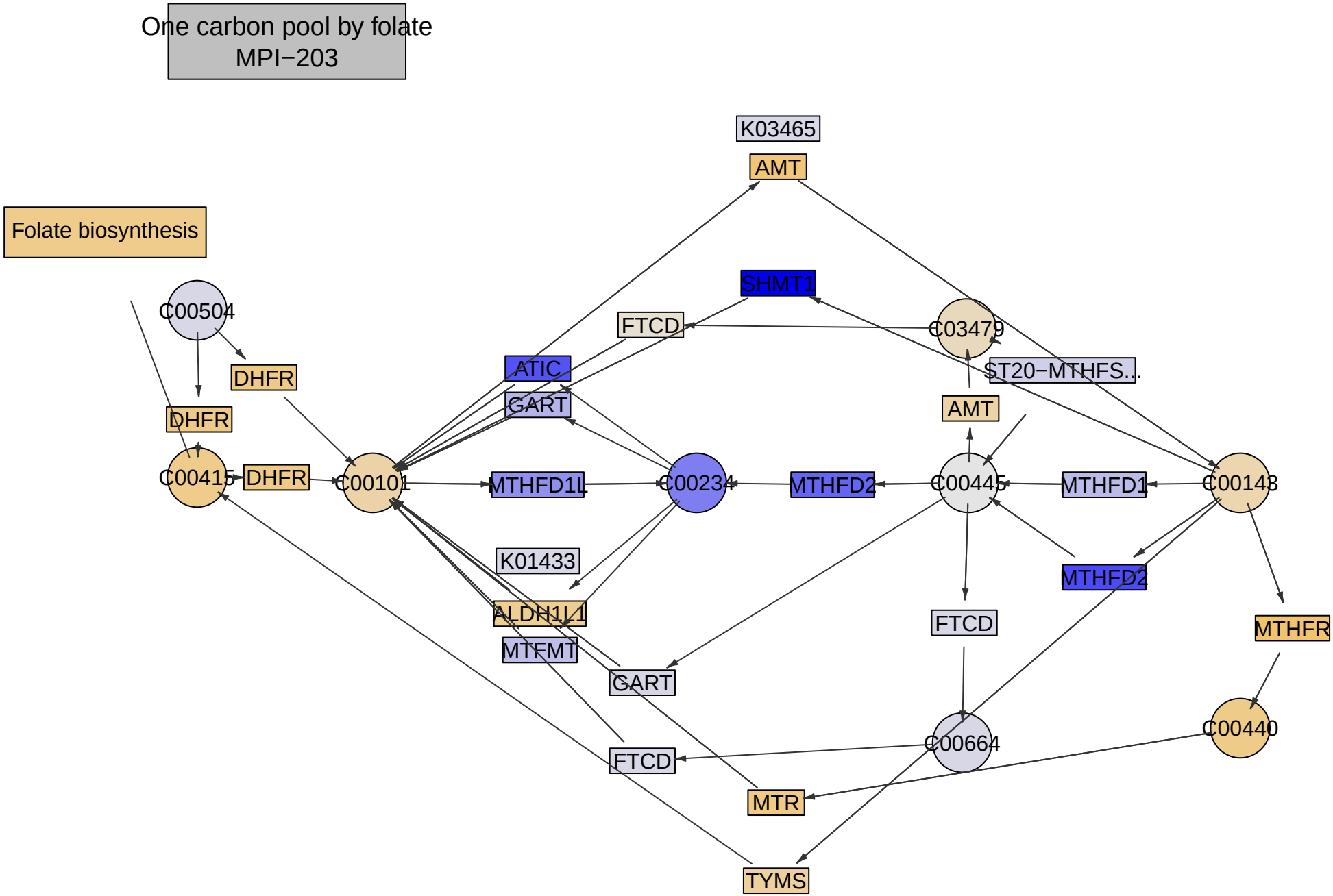

One carbon pool by folate
MPI−198
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

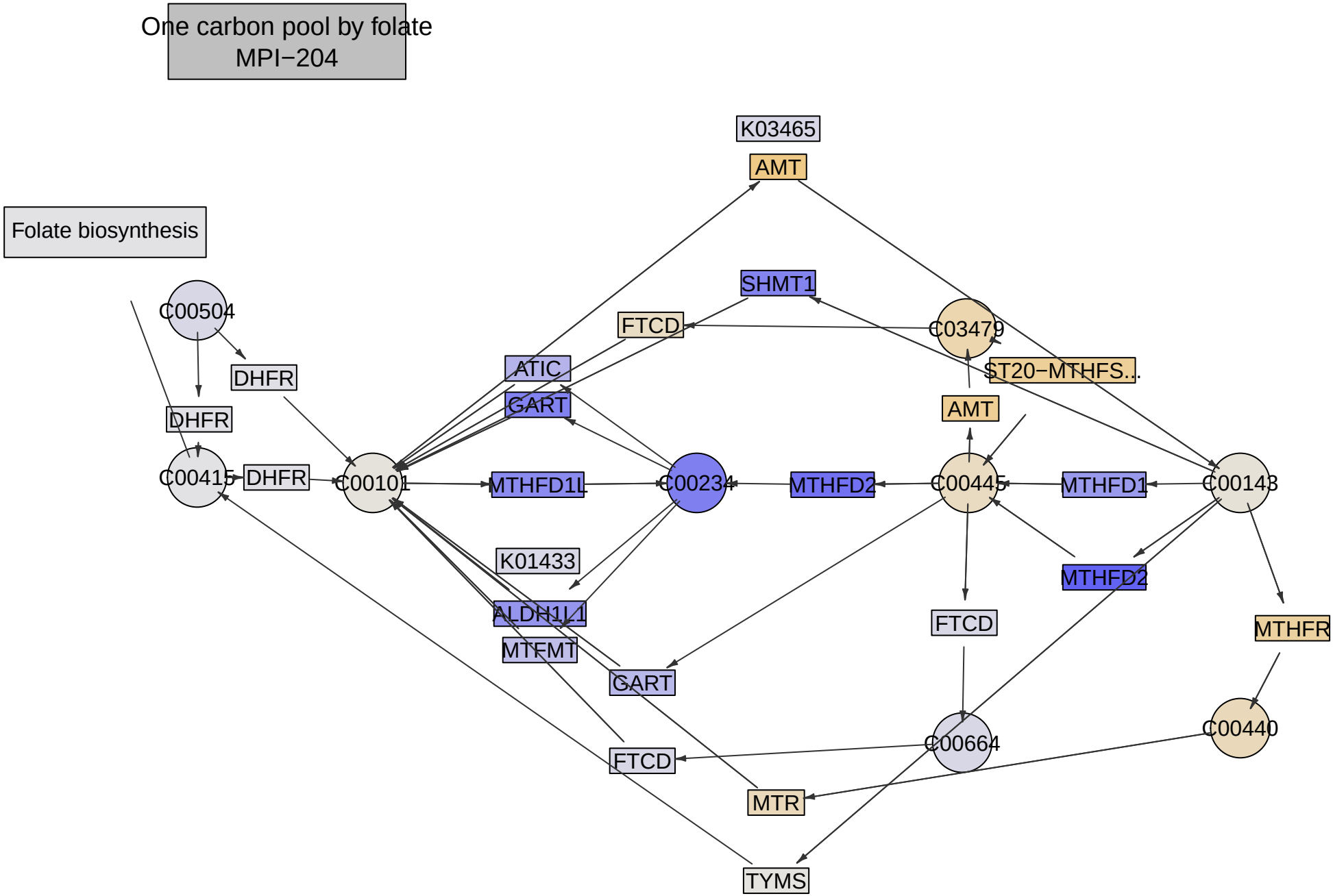

One carbon pool by folate
MPI−199
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

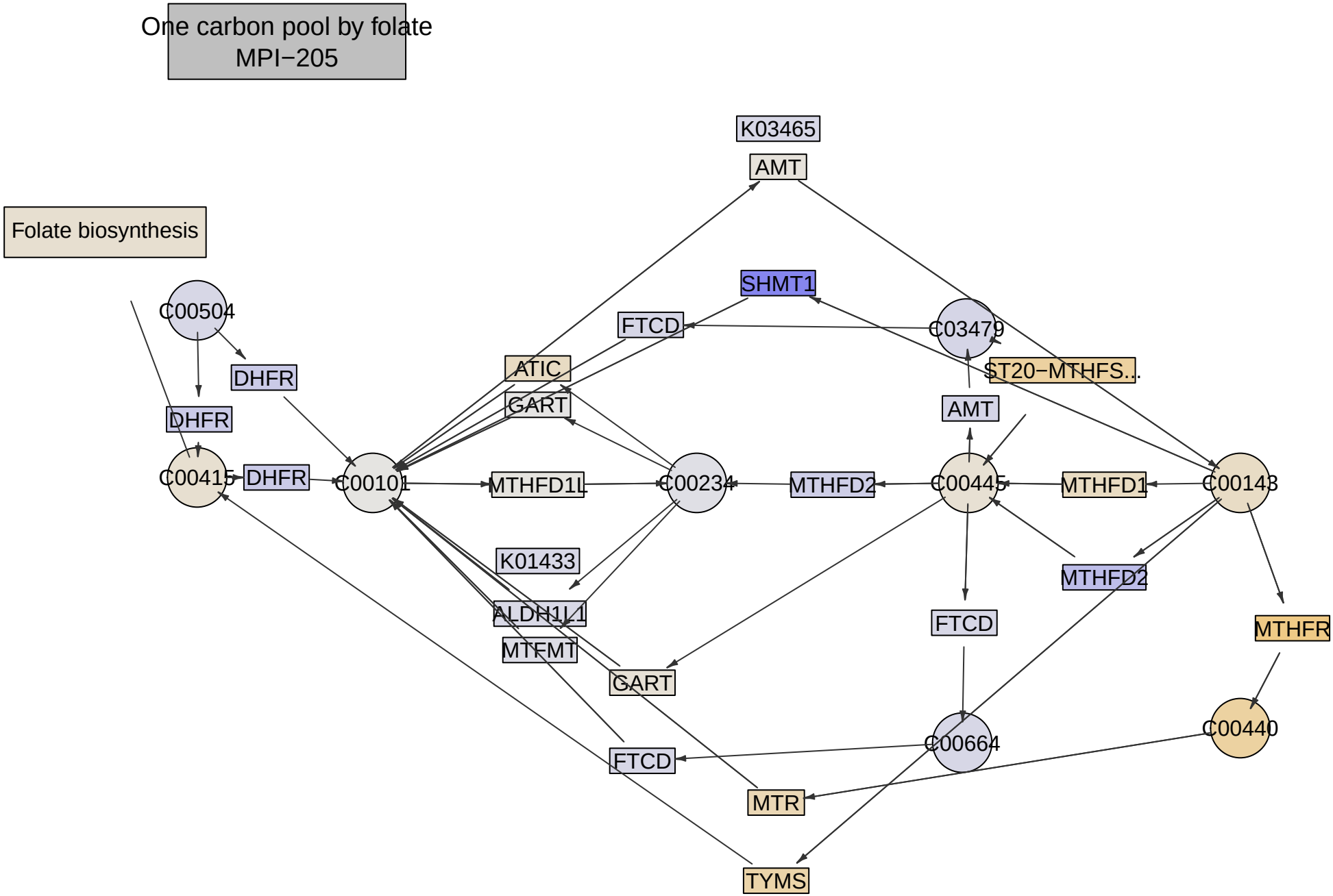

One carbon pool by folate
MPI−200
Folate biosynthesis
K03465
AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

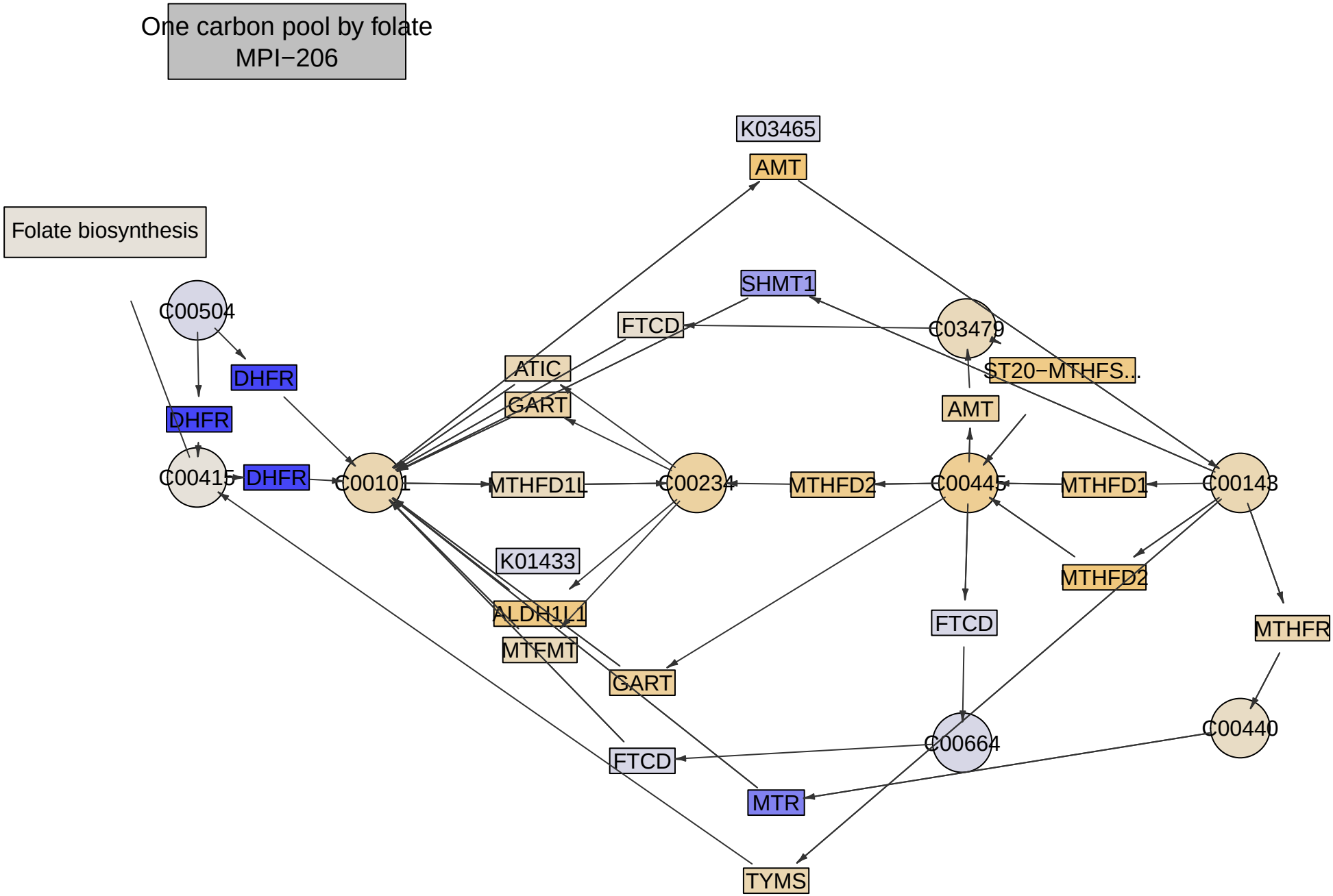

One carbon pool by folate
MPI−201
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

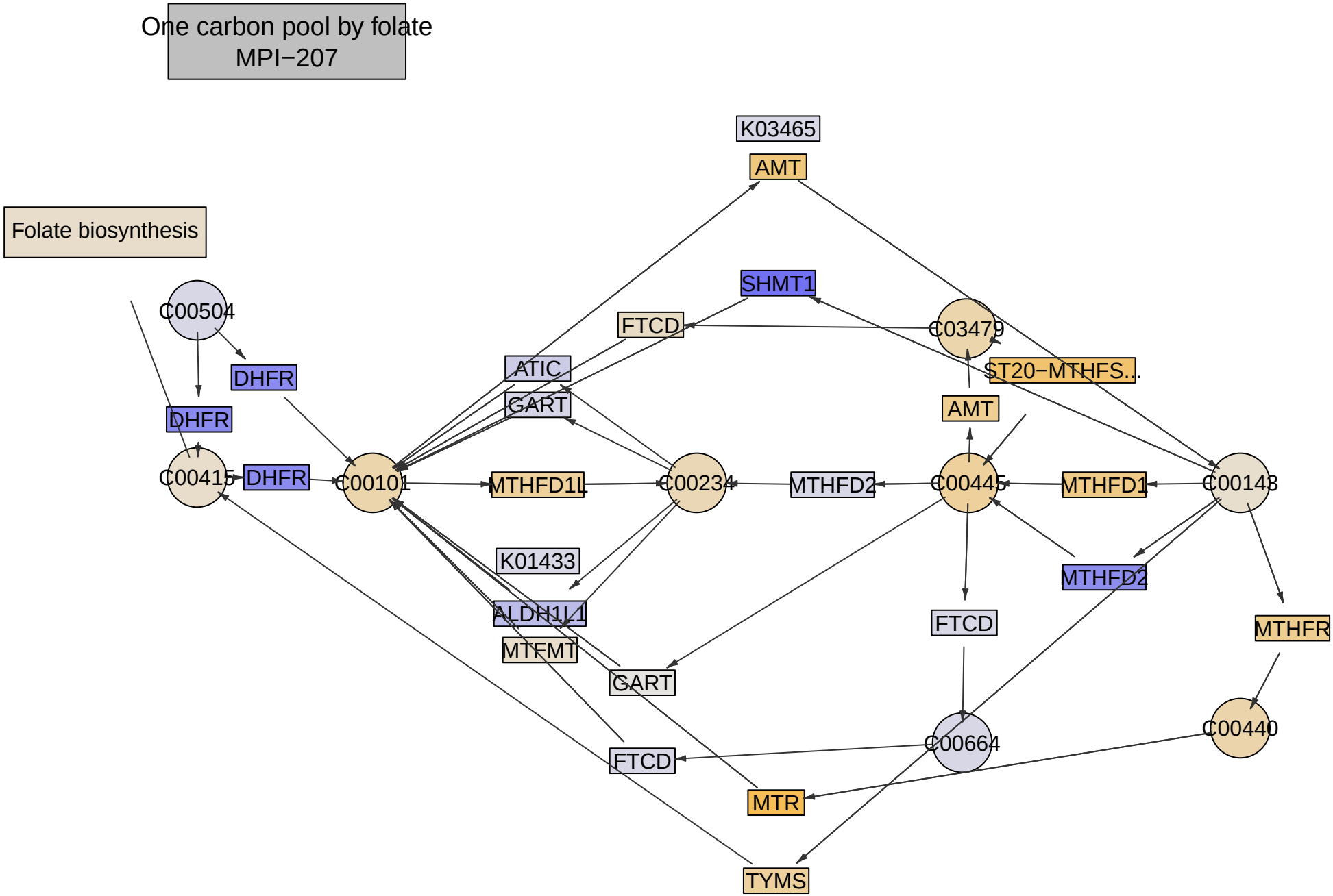

One carbon pool by folate
MPI−202
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−203
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−204
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−205
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−206
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−207
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
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ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
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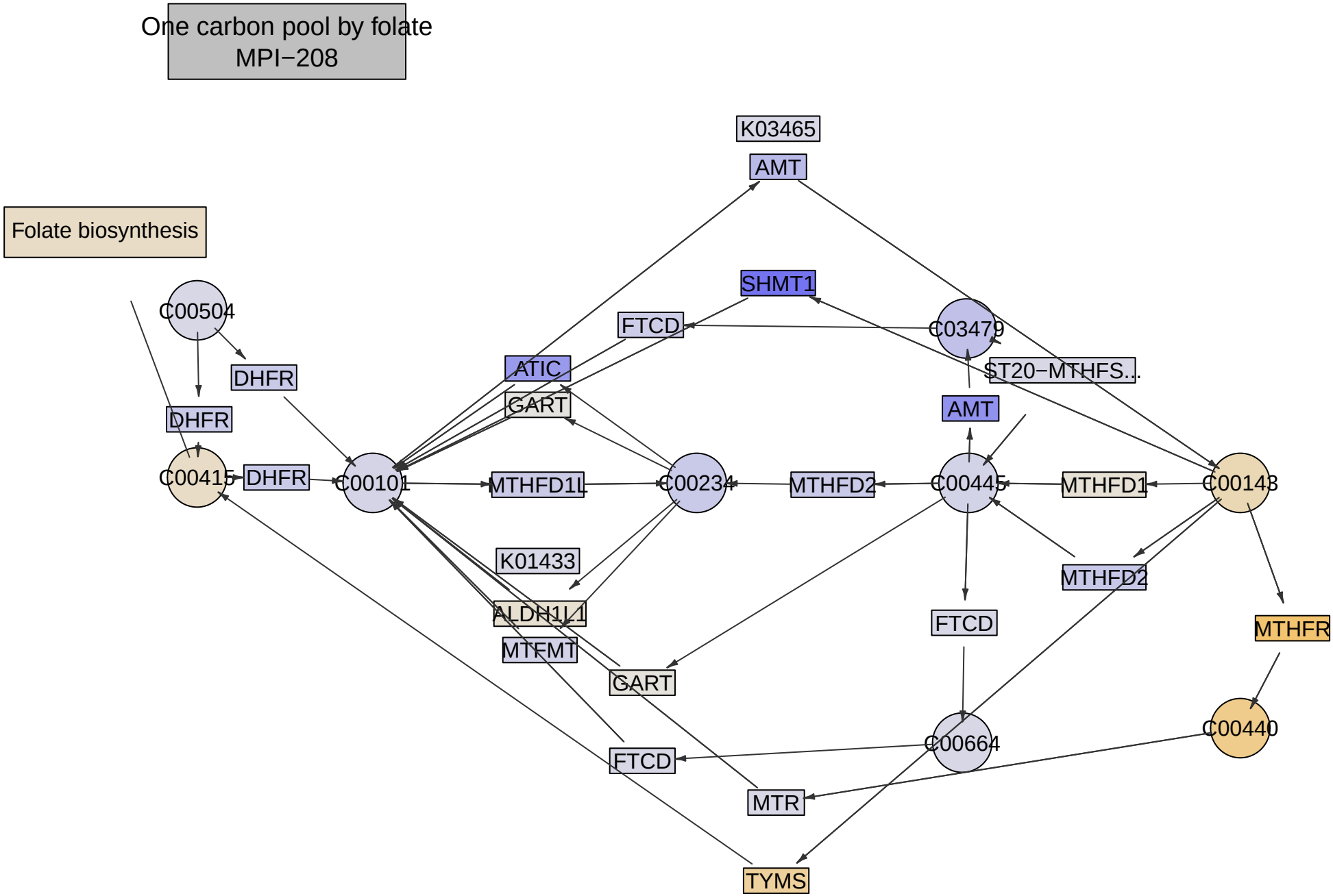
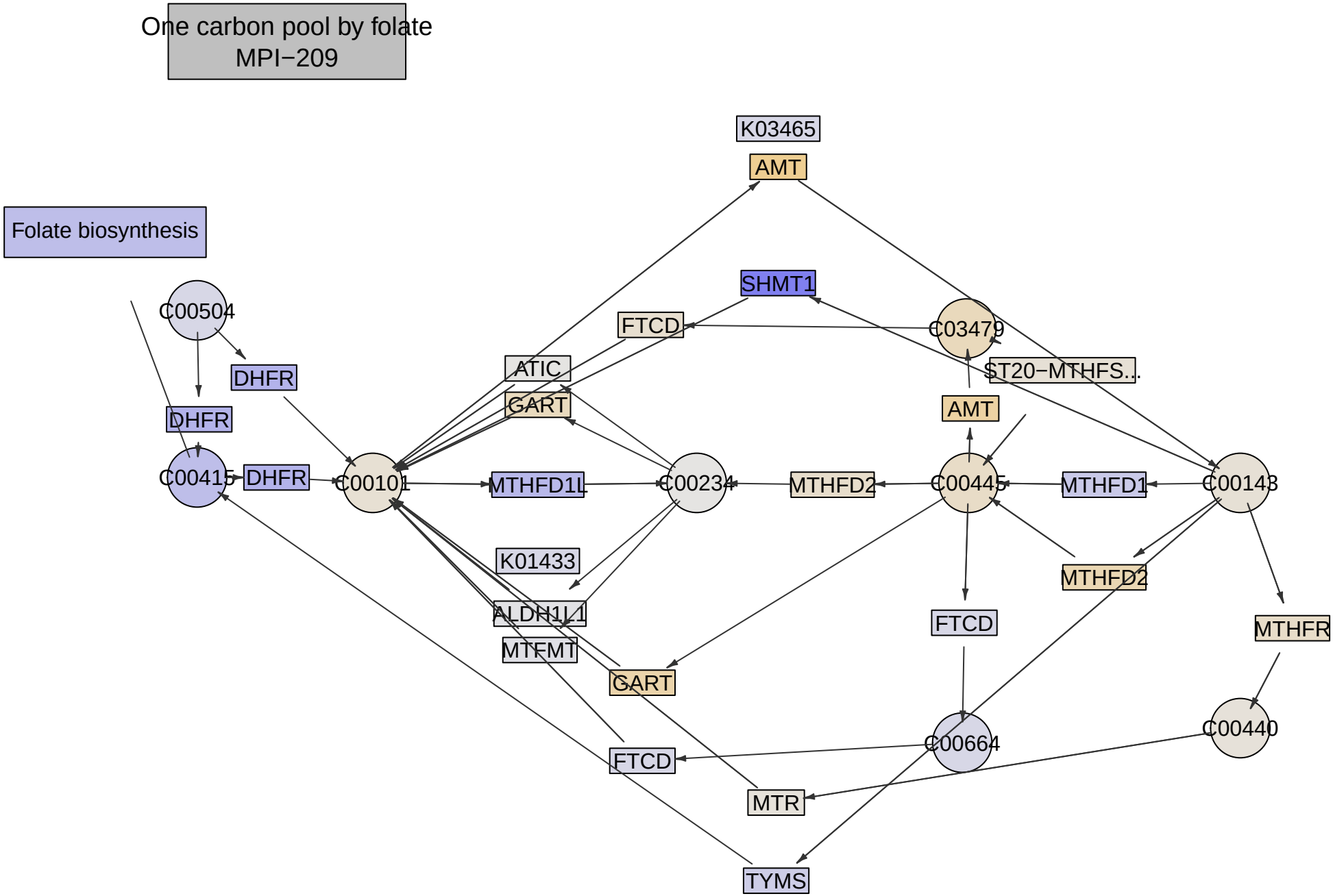
FTCD
MTR
TYMS


One carbon pool by folate
MPI−208
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
ATIC
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
ALDH1L1
MTFMT
GART
MTHFD2
FTCD
MTHFR
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−209
Folate biosynthesis
K03465
AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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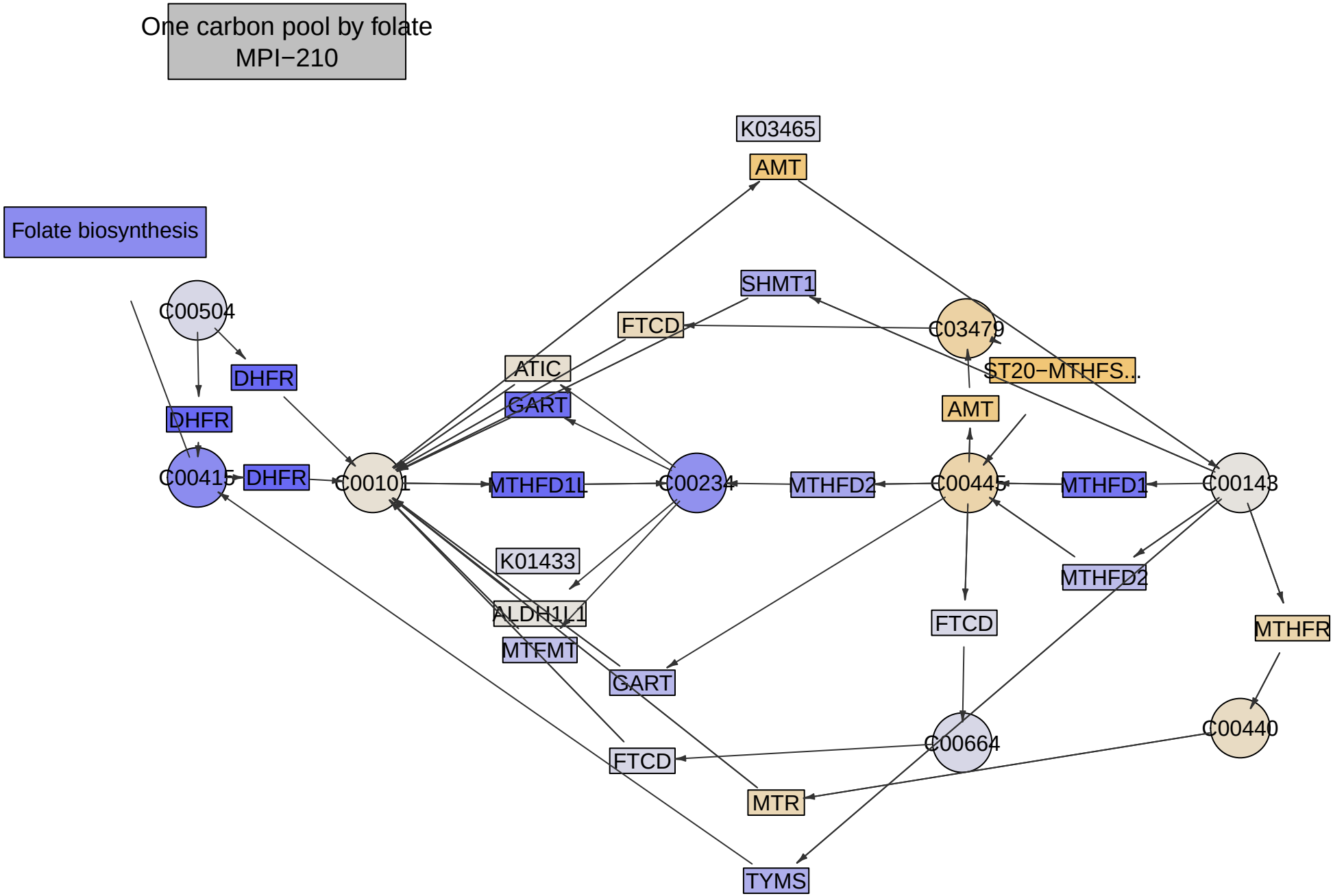
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−210
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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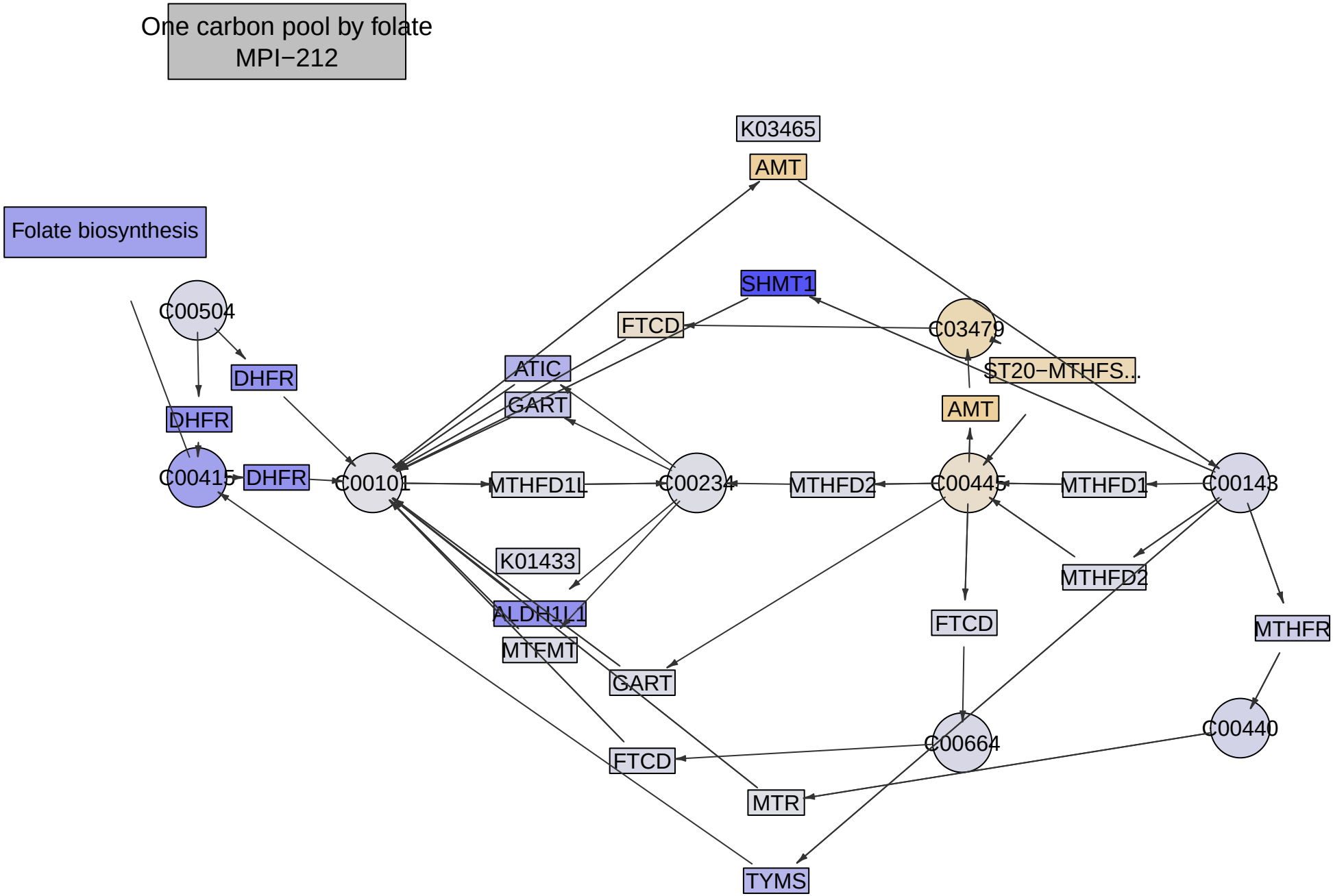
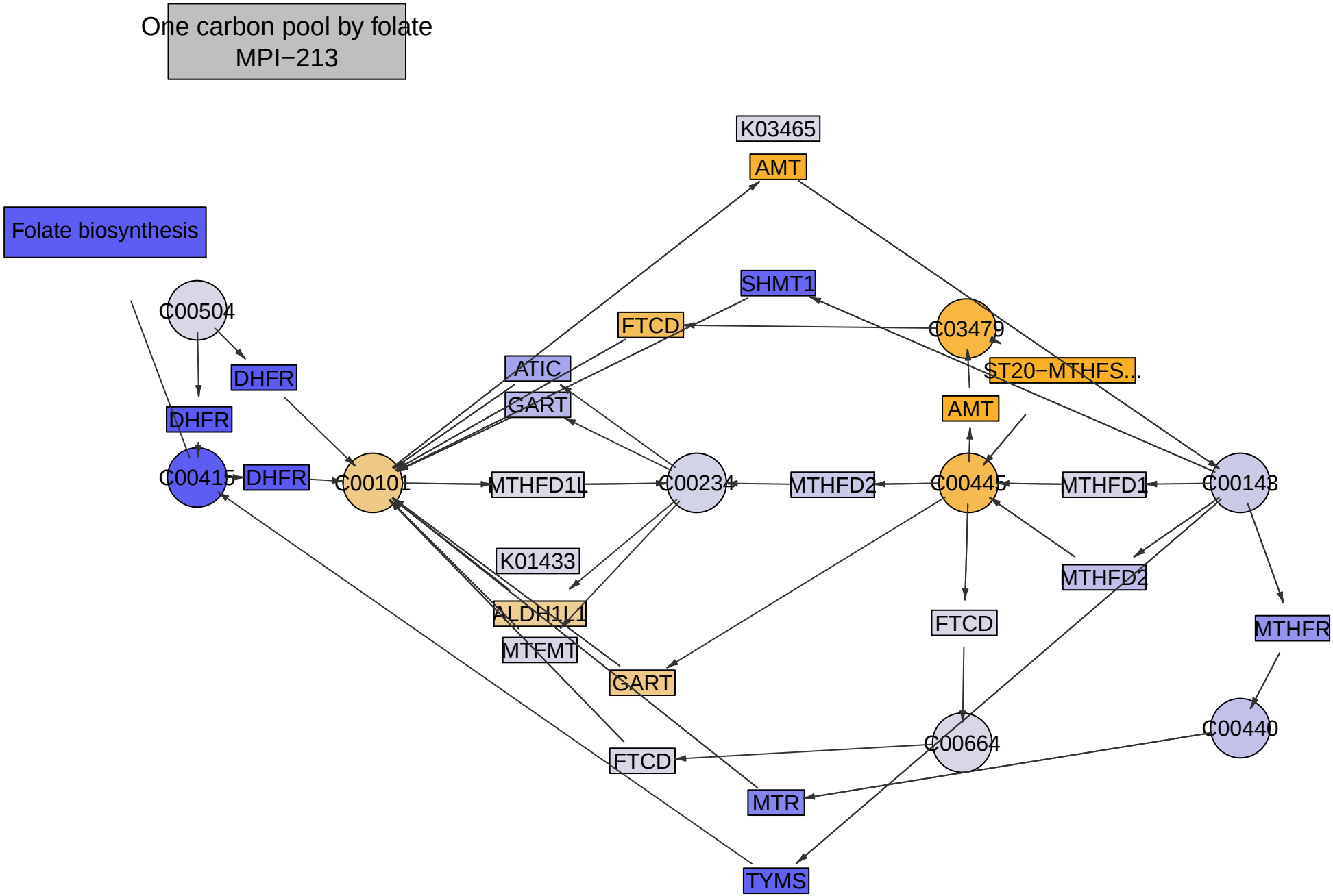
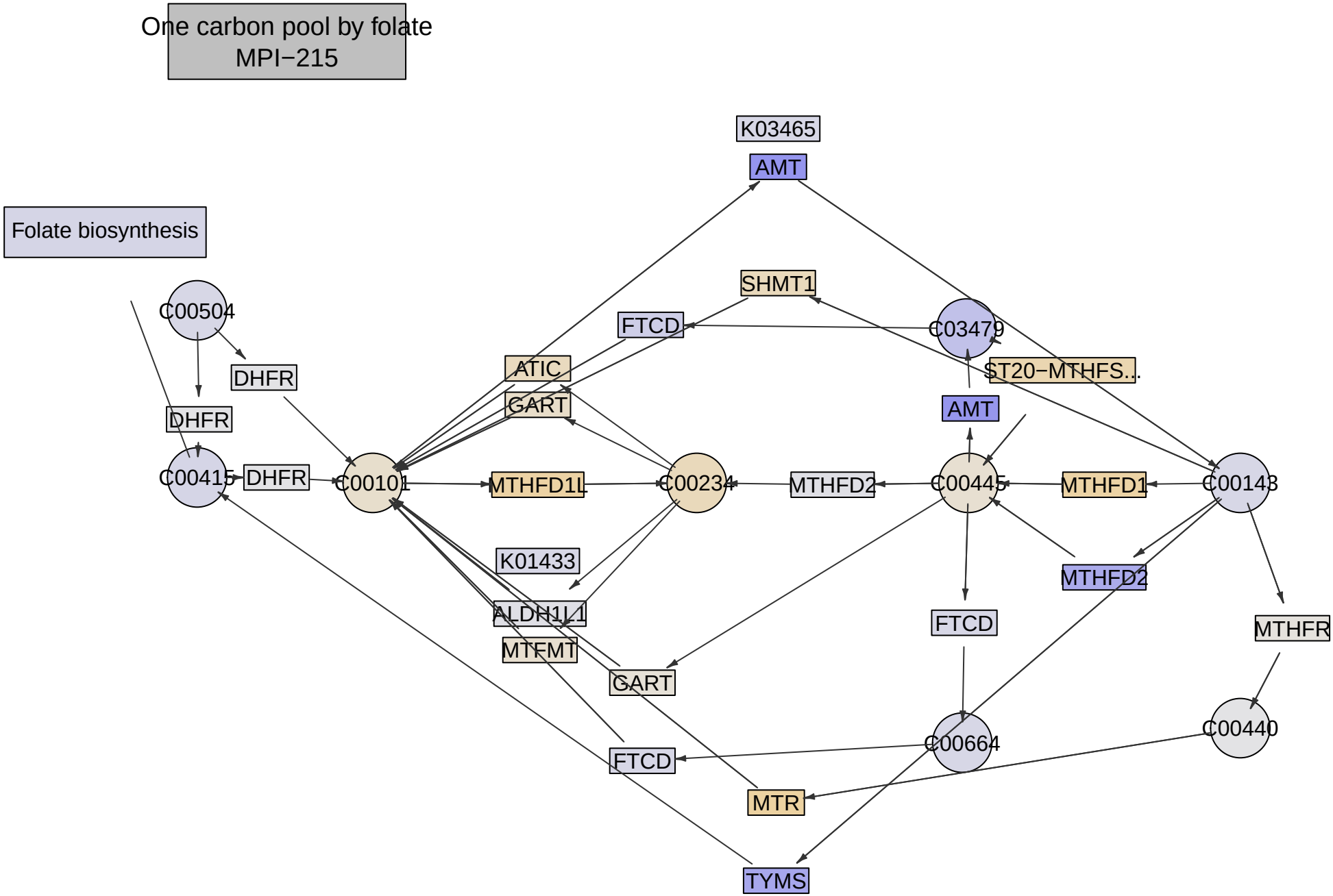
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
C00440
FTCD
MTR
TYMS


One carbon pool by folate
MPI−212
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−213
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
C00504
DHFR
ATIC
GART
AMT
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−215
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
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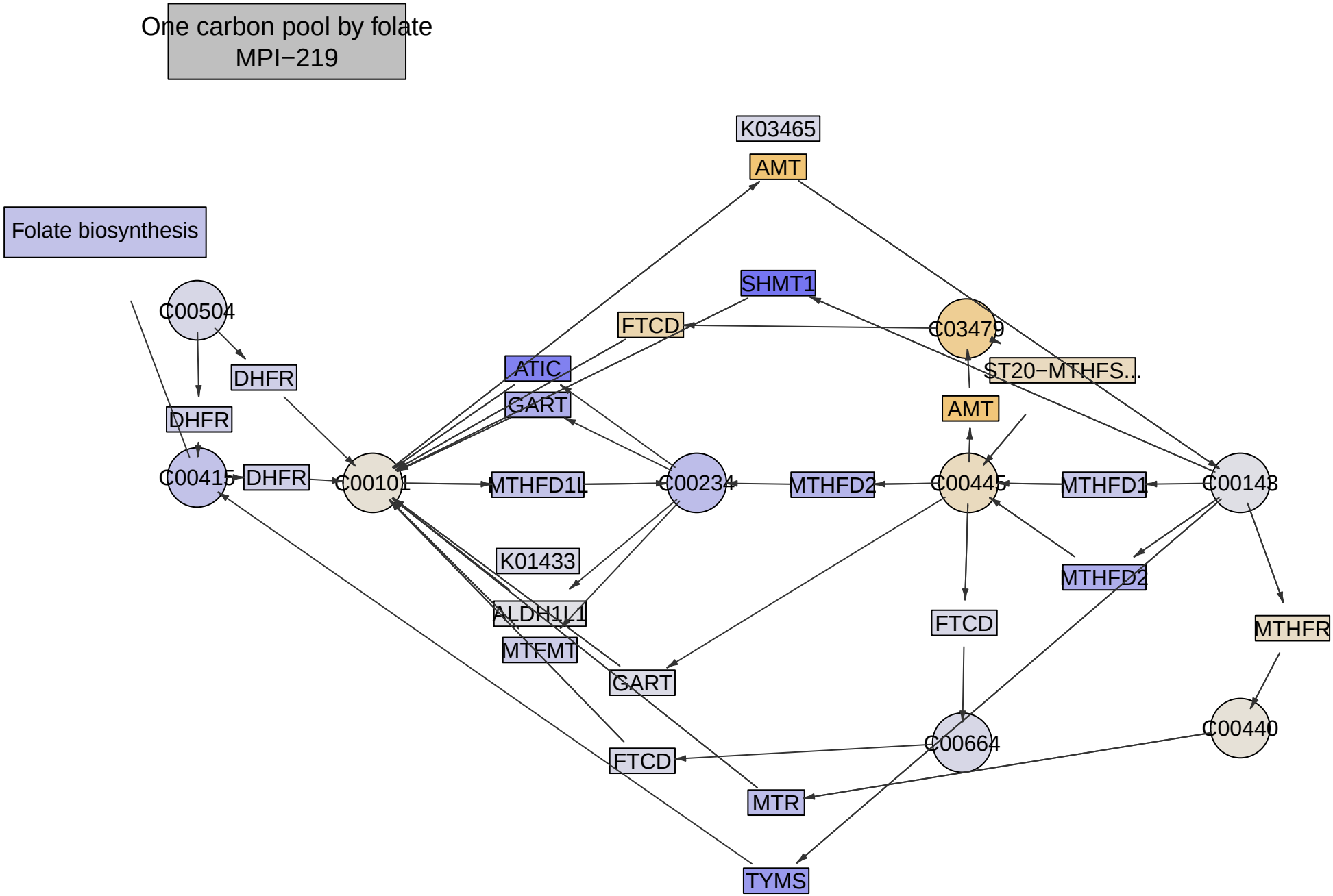
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−219
Folate biosynthesis
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AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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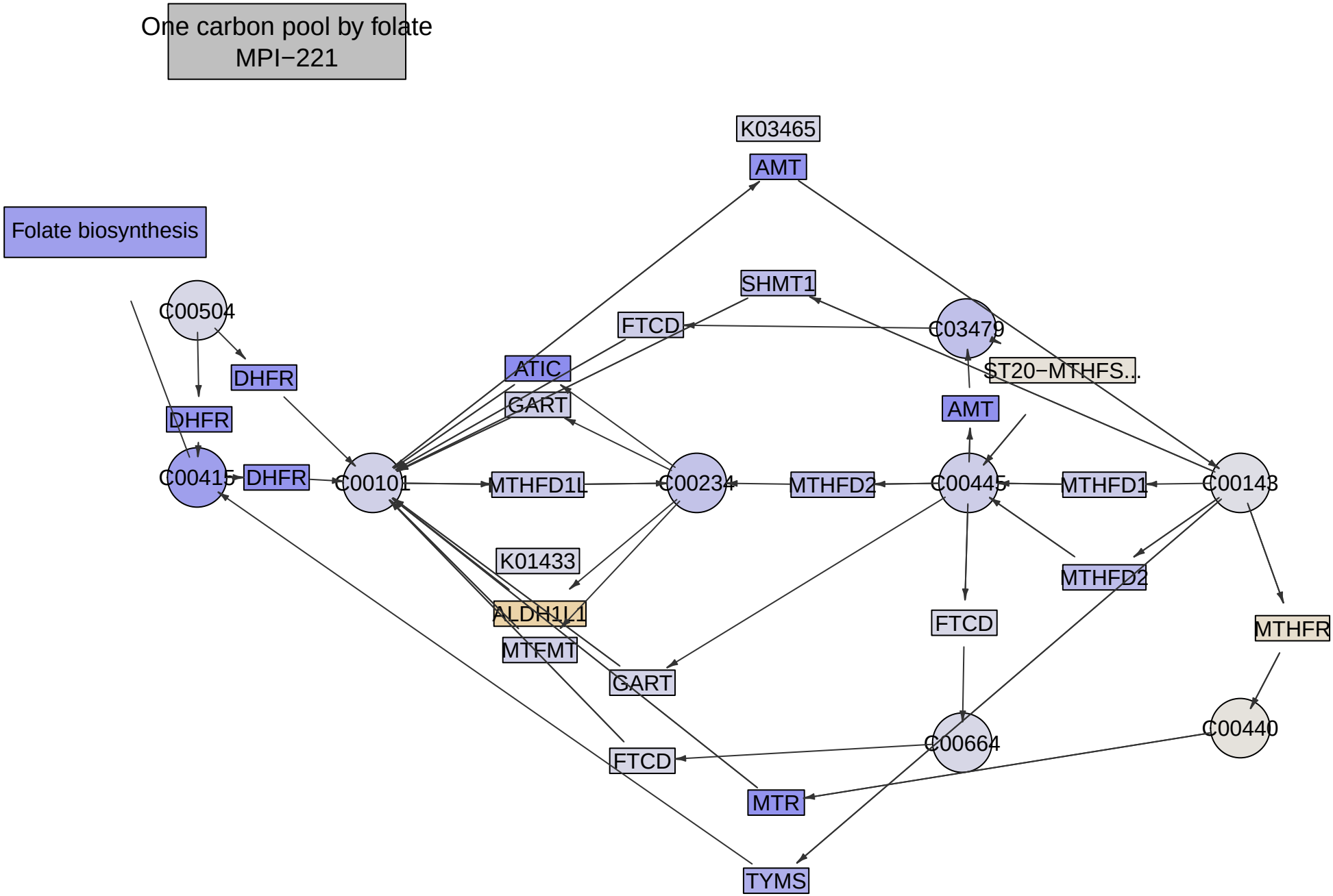
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−221
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
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K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
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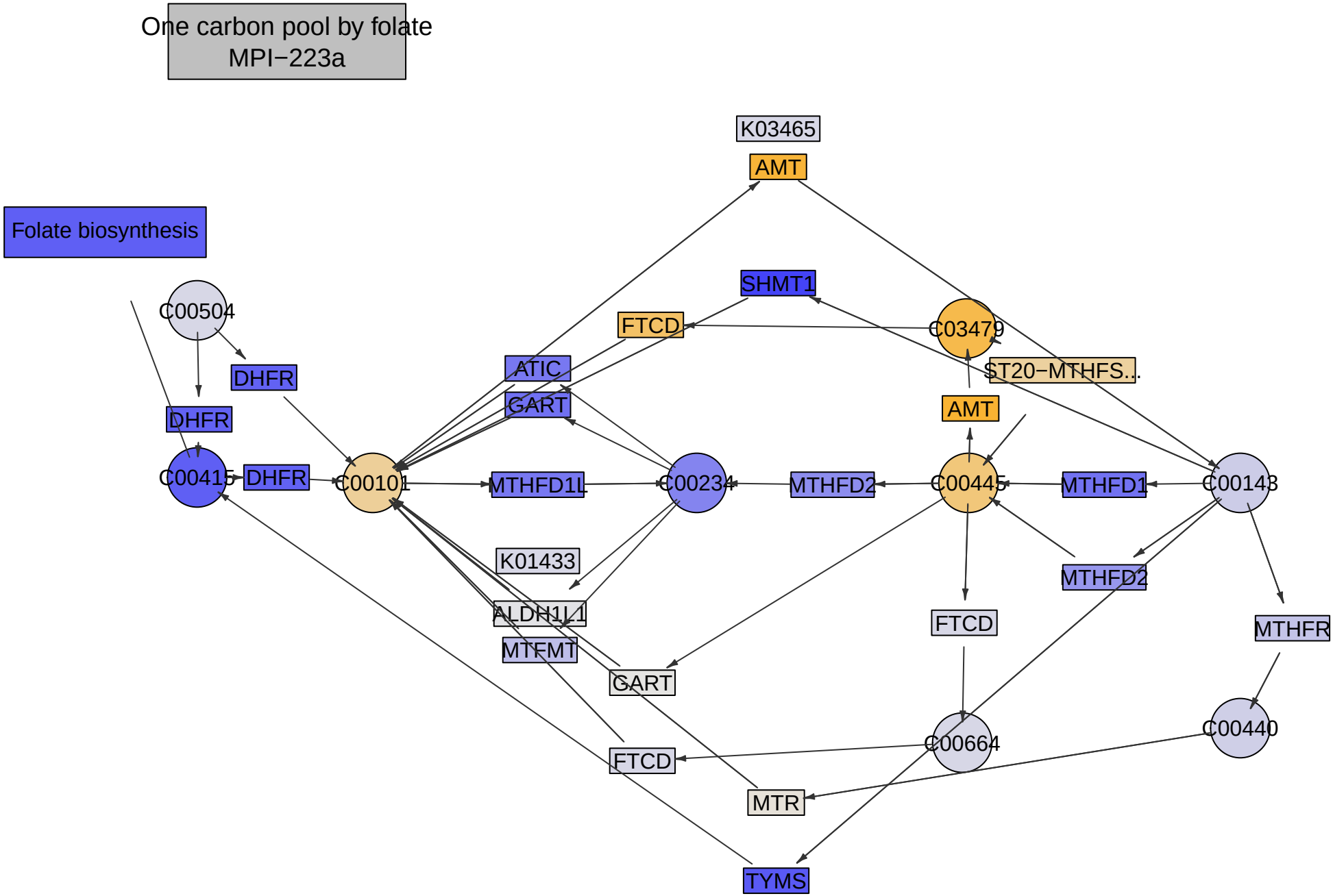
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−223a
Folate biosynthesis
K03465
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SHMT1
FTCD
C03479
ST20−MTHFS...
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C00504
DHFR
DHFR
ATIC
GART
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
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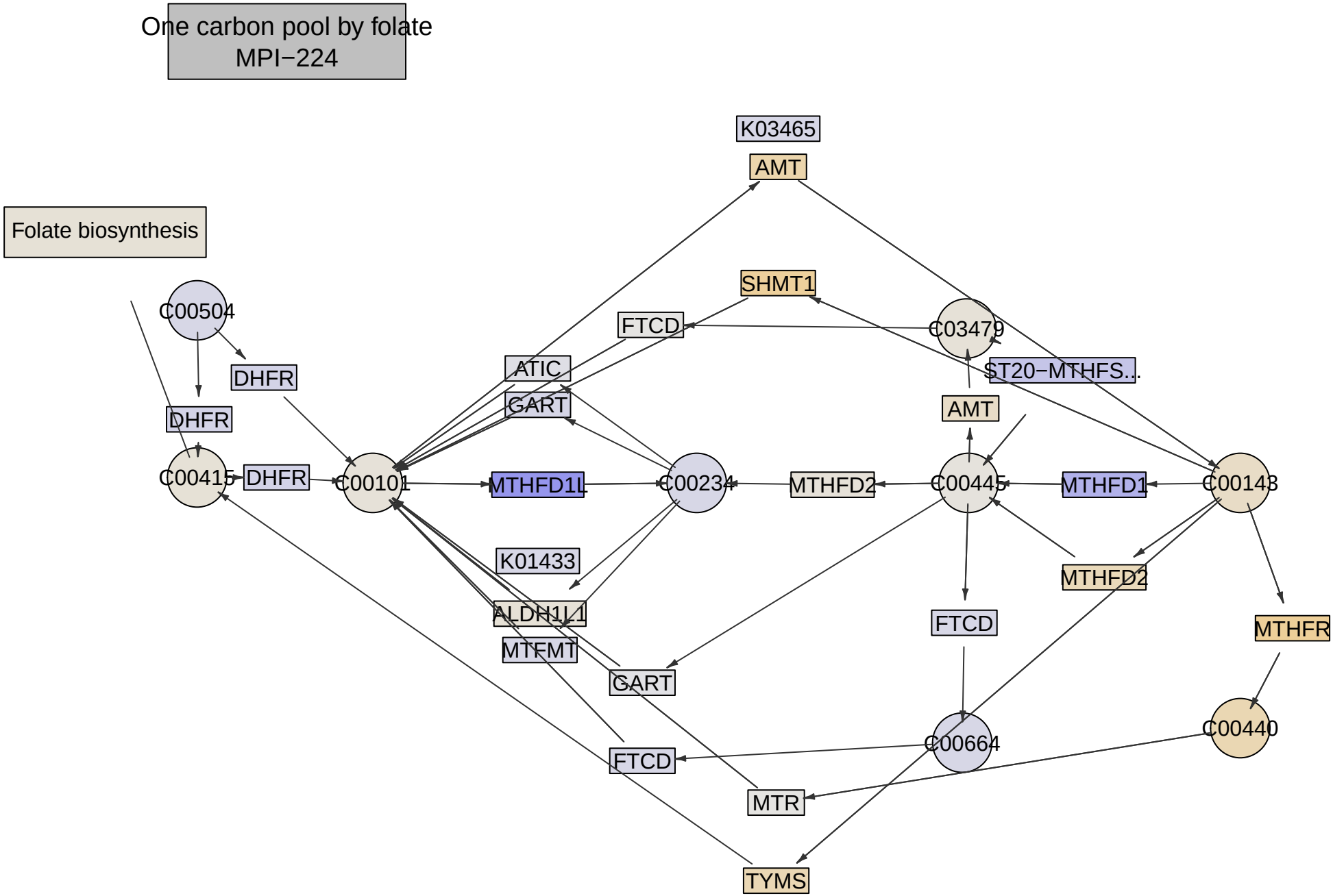
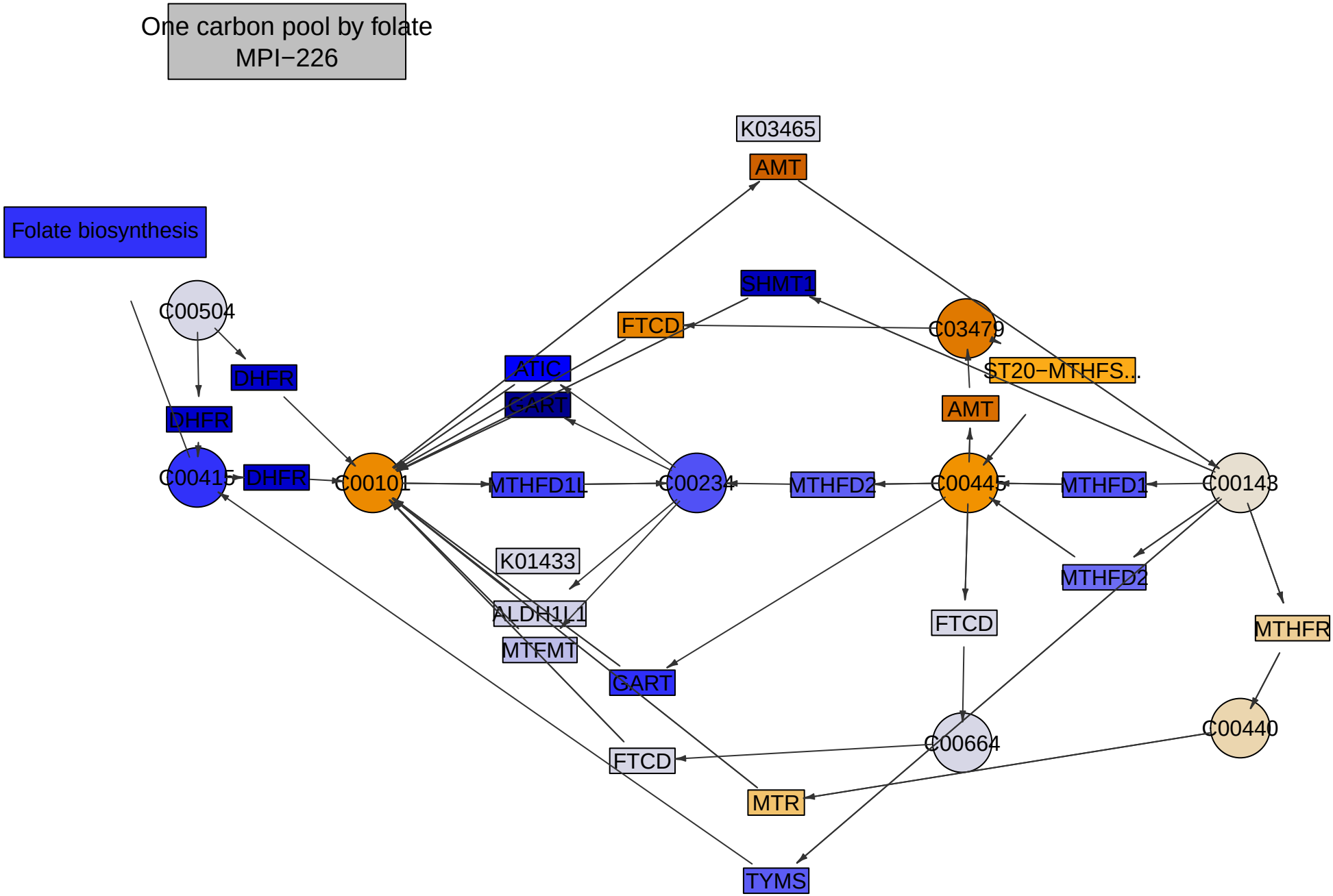
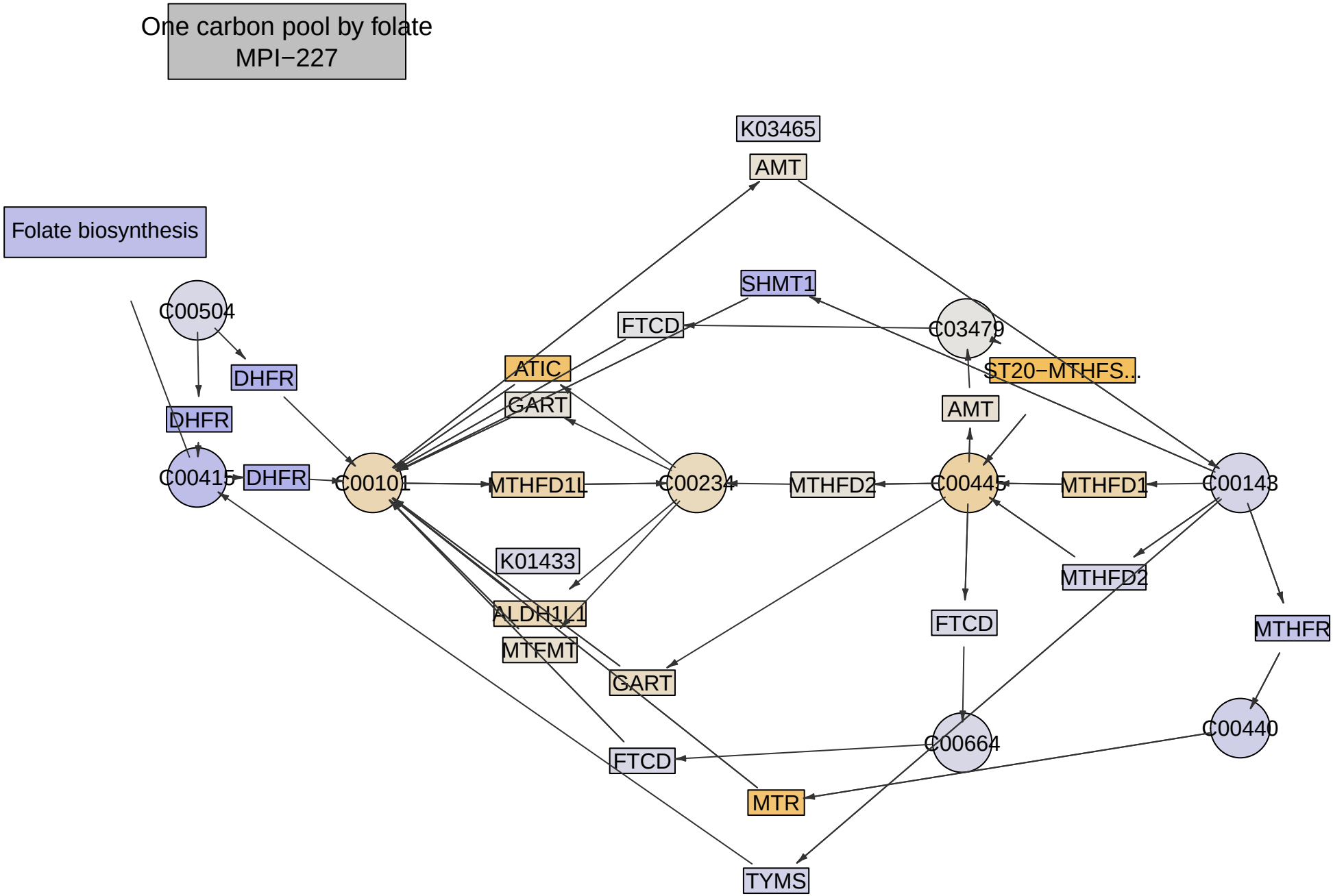
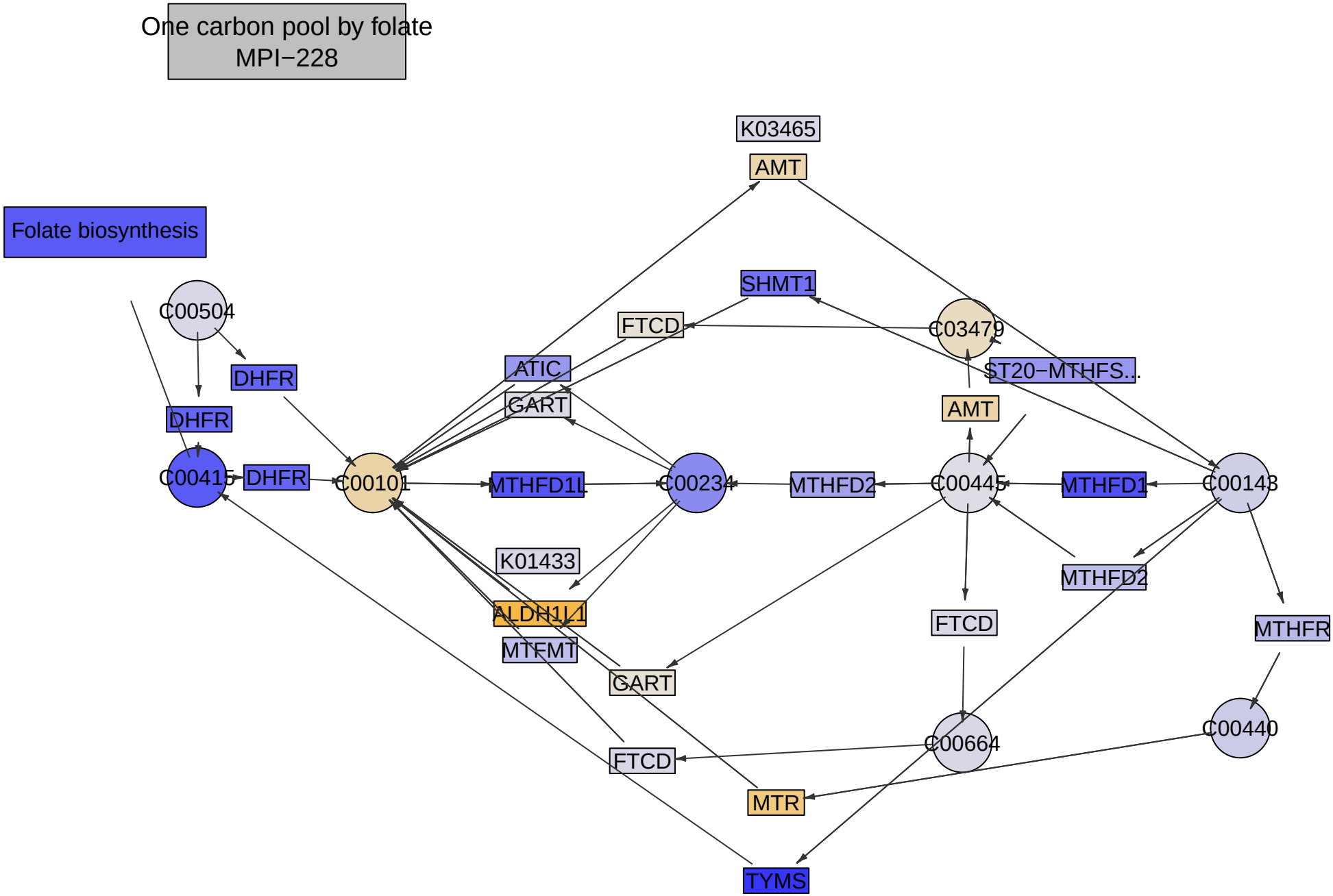
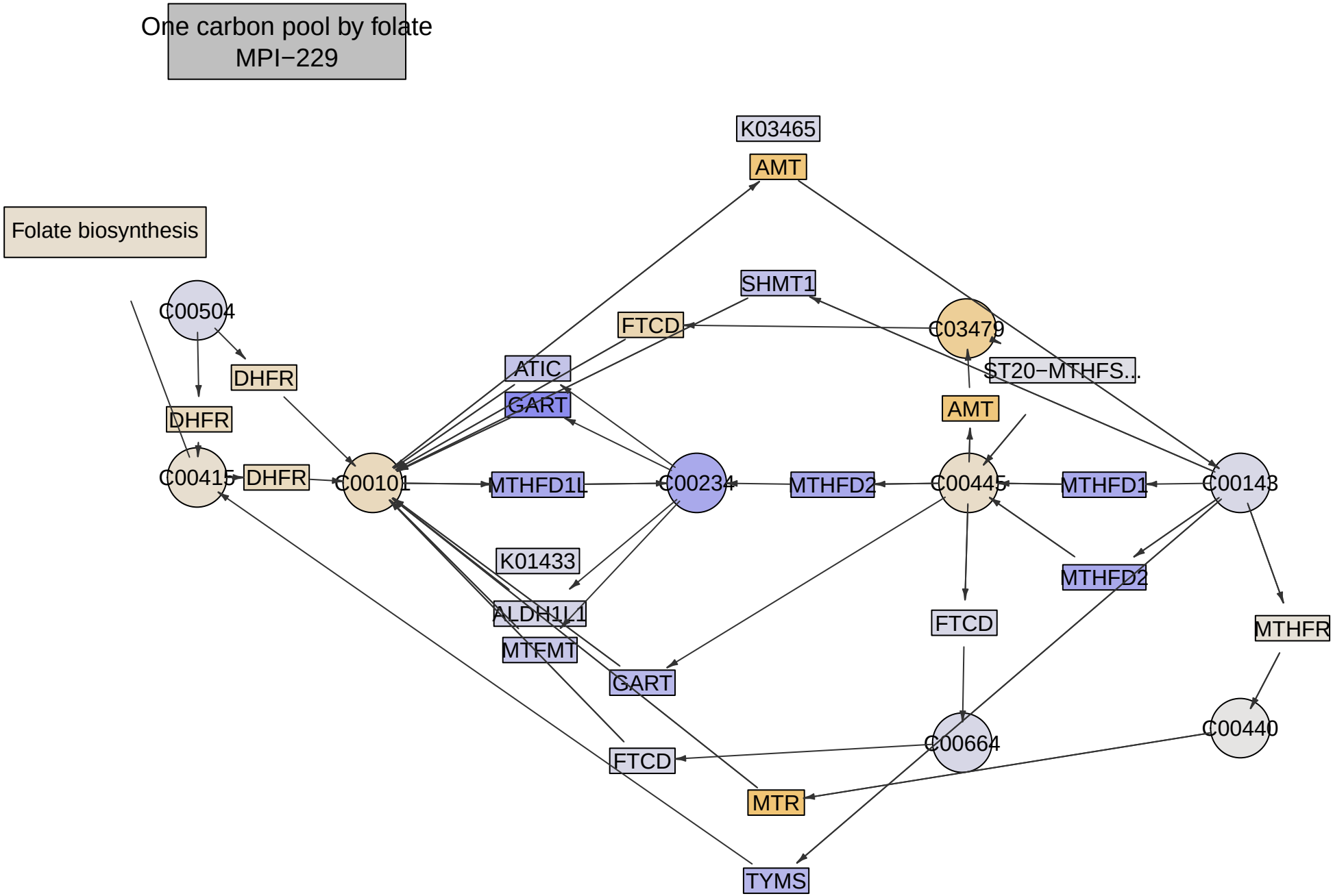
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

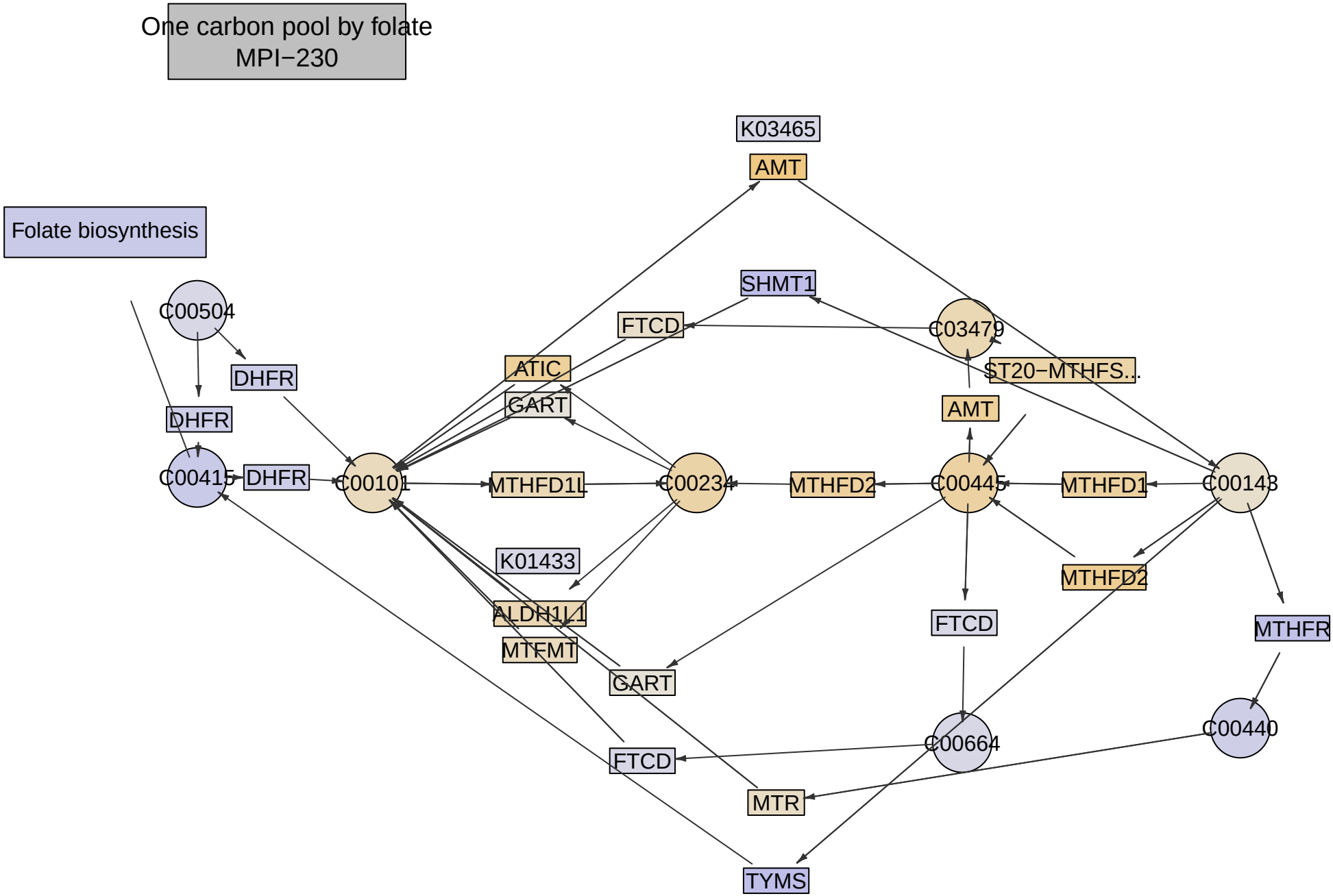

One carbon pool by folate
MPI−224
Folate biosynthesis
K03465
AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

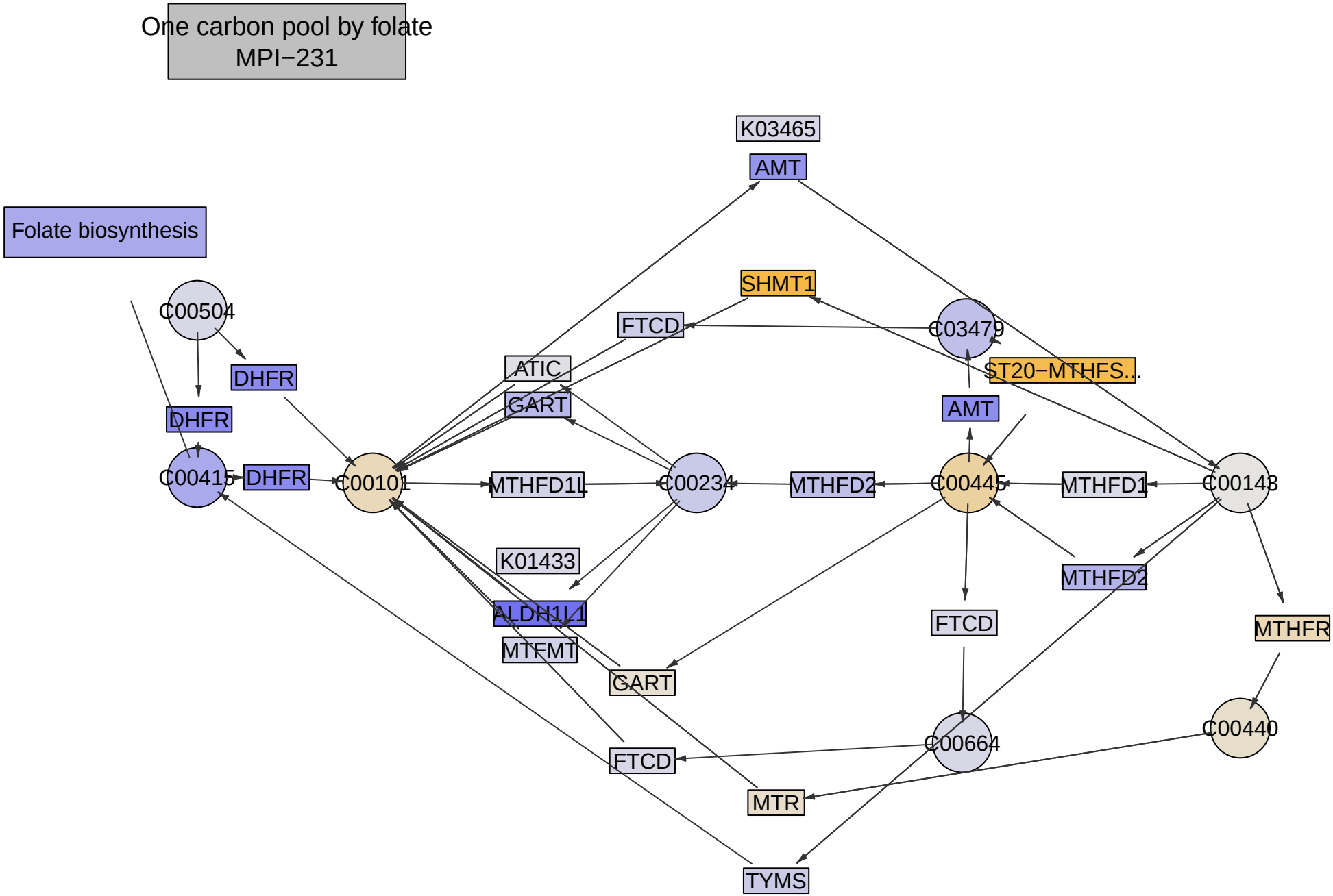

One carbon pool by folate
MPI−226
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
AMT
C00504
DHFR
ATIC
GART
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

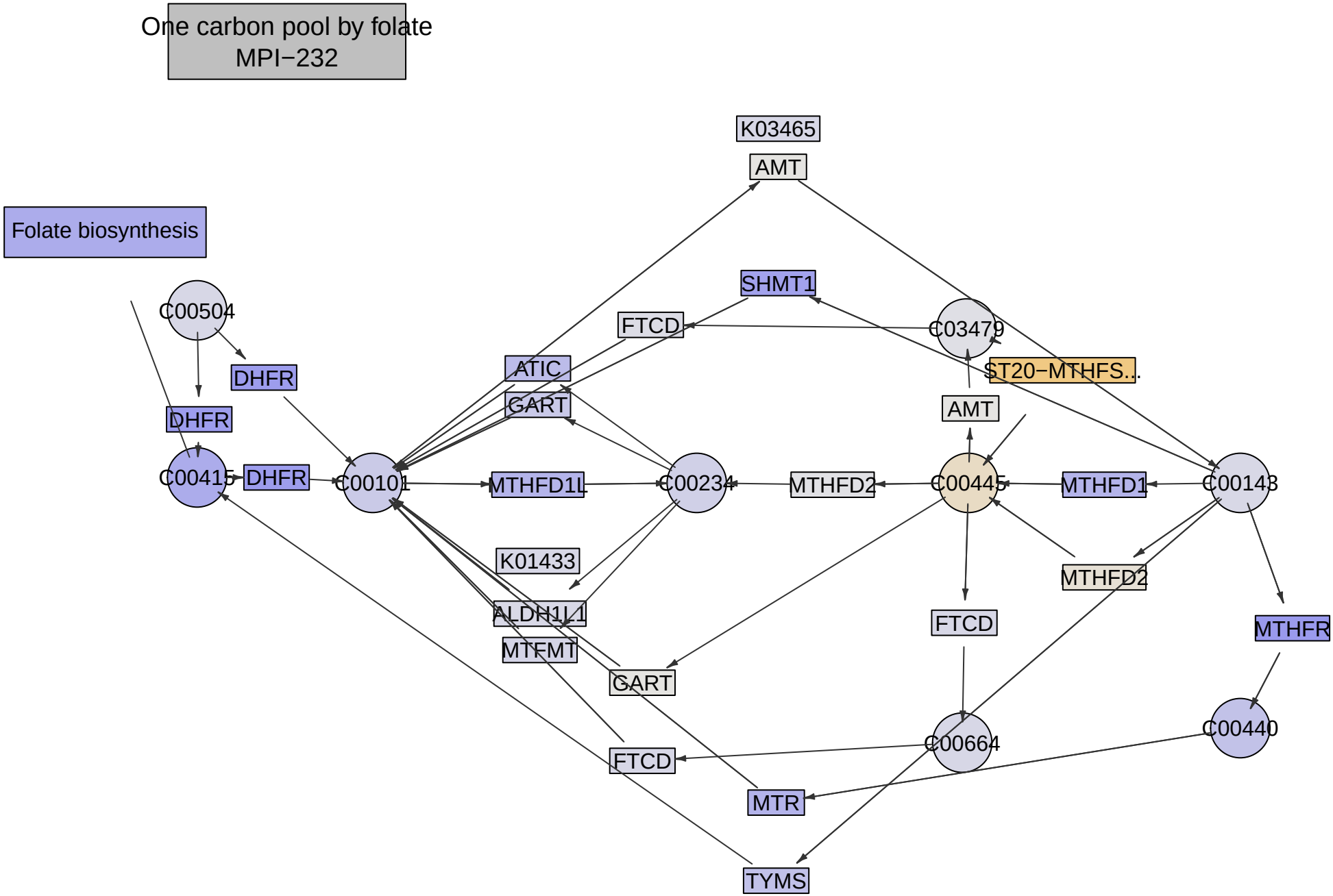

One carbon pool by folate
MPI−227
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
C00440
FTCD
MTR
TYMS

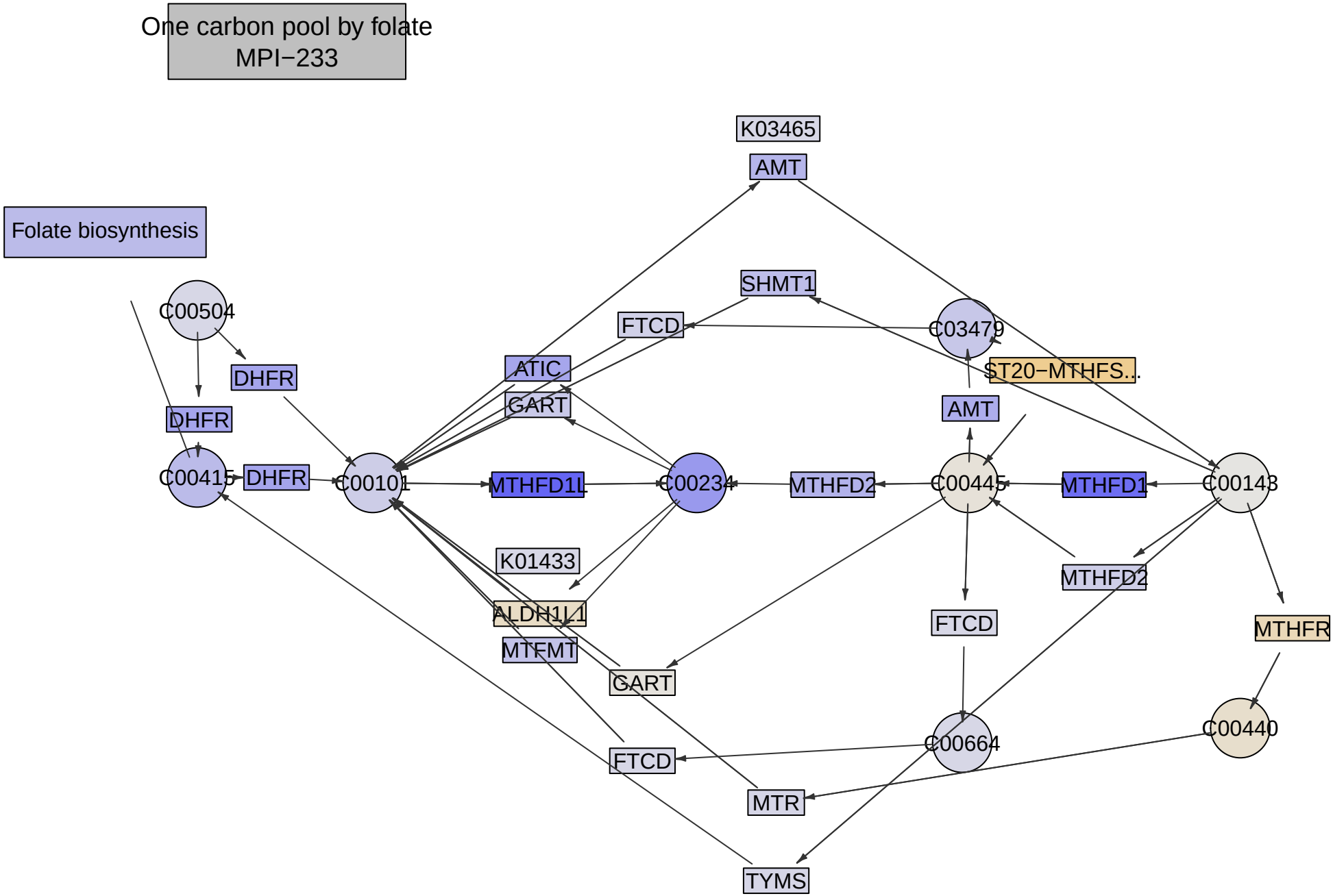

One carbon pool by folate
MPI−228
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
C00504
DHFR
ATIC
GART
AMT
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

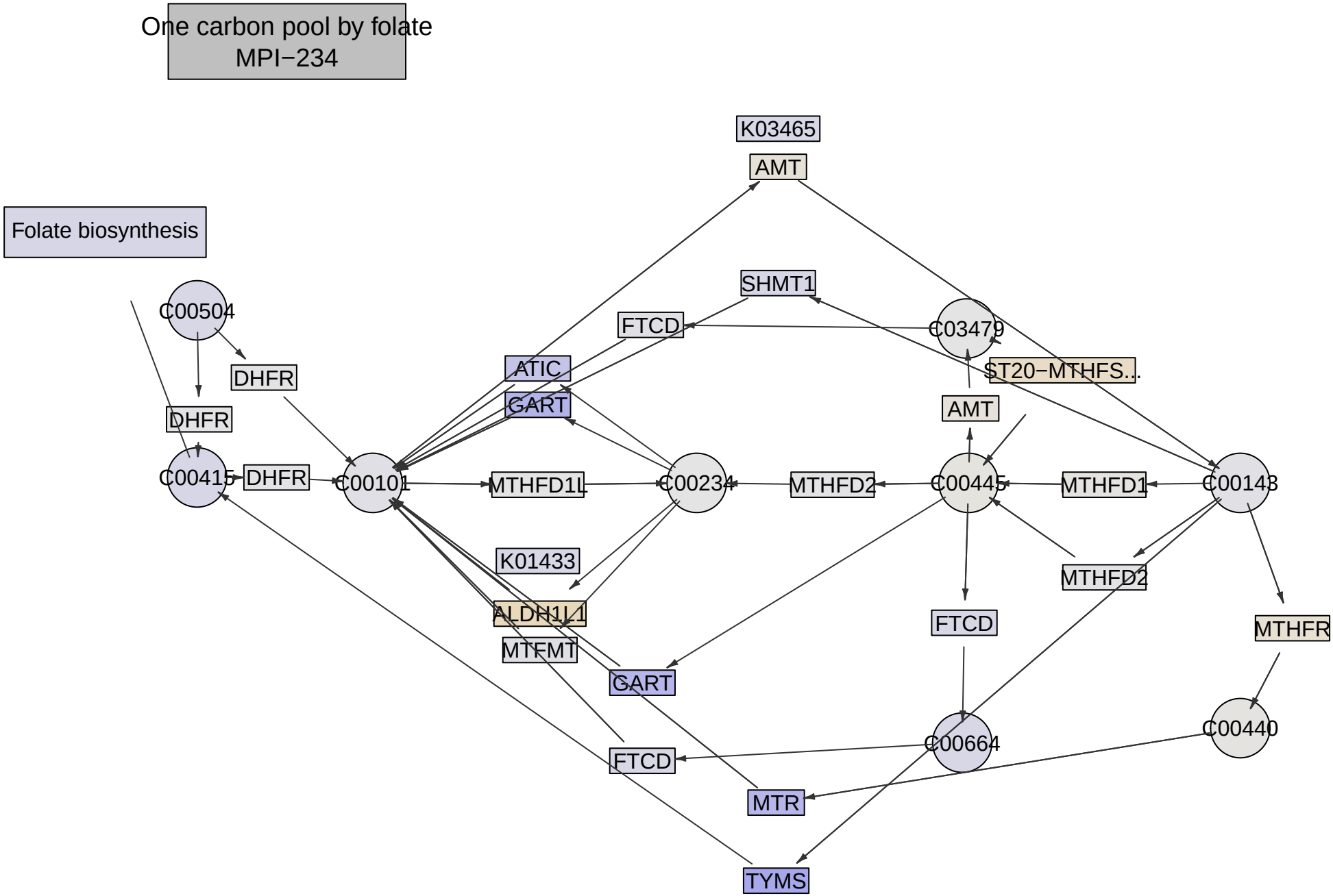

One carbon pool by folate
MPI−229
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
C00440
FTCD
MTR
TYMS

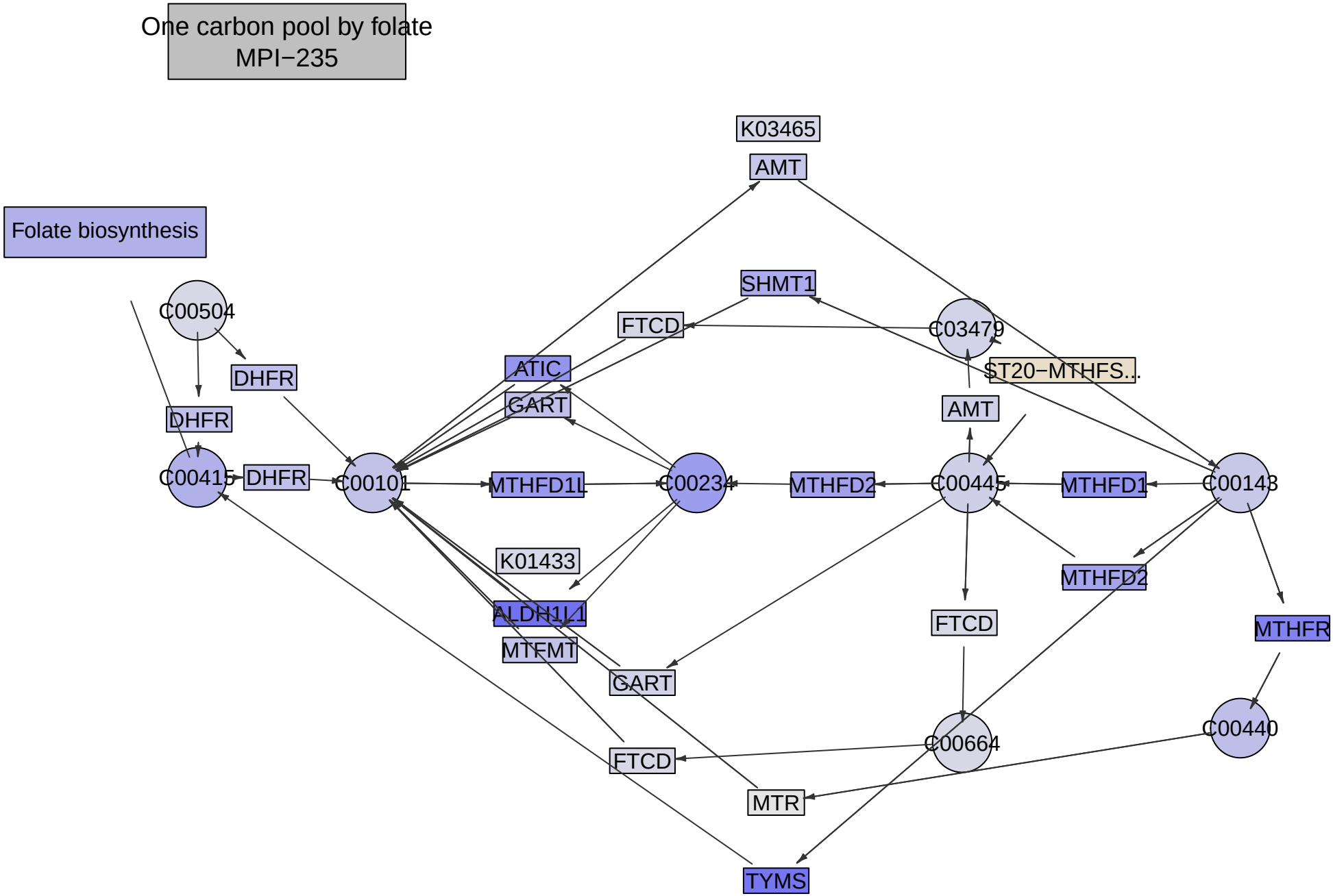

One carbon pool by folate
MPI−230
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

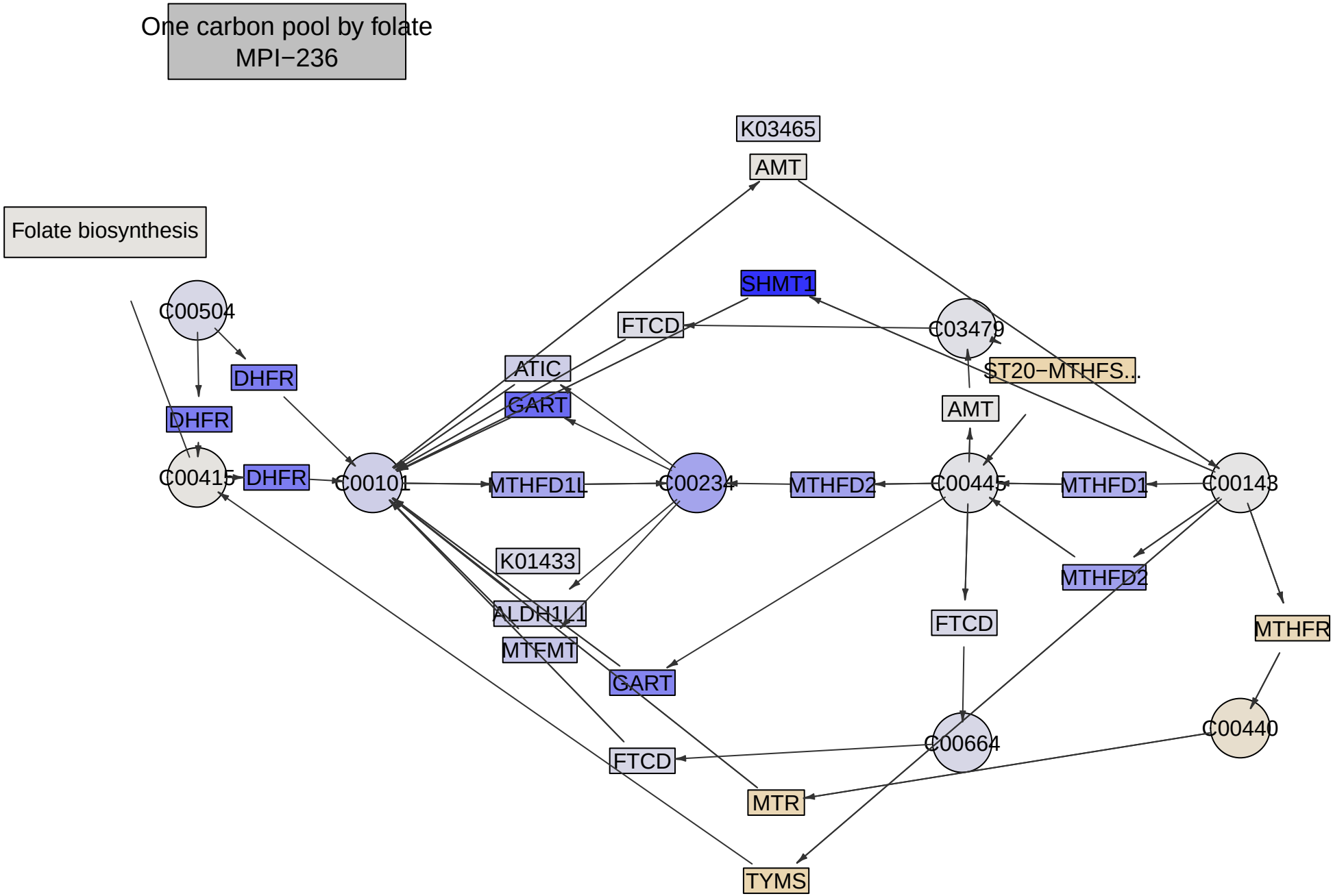

One carbon pool by folate
MPI−231
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
C00440
FTCD
MTR
TYMS

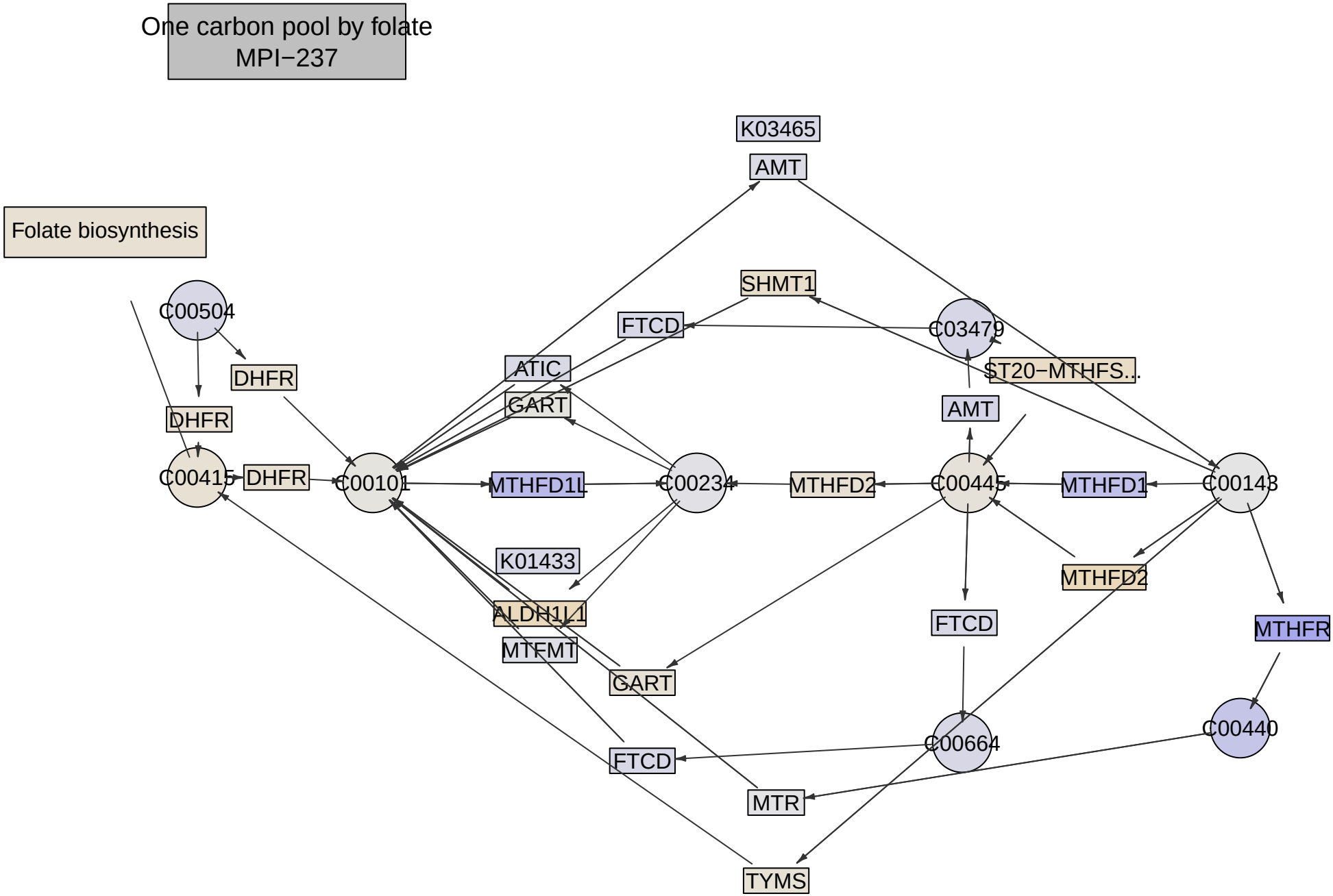

One carbon pool by folate
MPI−232
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
AMT
C00504
DHFR
DHFR
ATIC
GART
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
ALDH1L1
MTFMT
GART
MTHFD2
FTCD
MTHFR
C00440
C00664
FTCD
MTR
TYMS

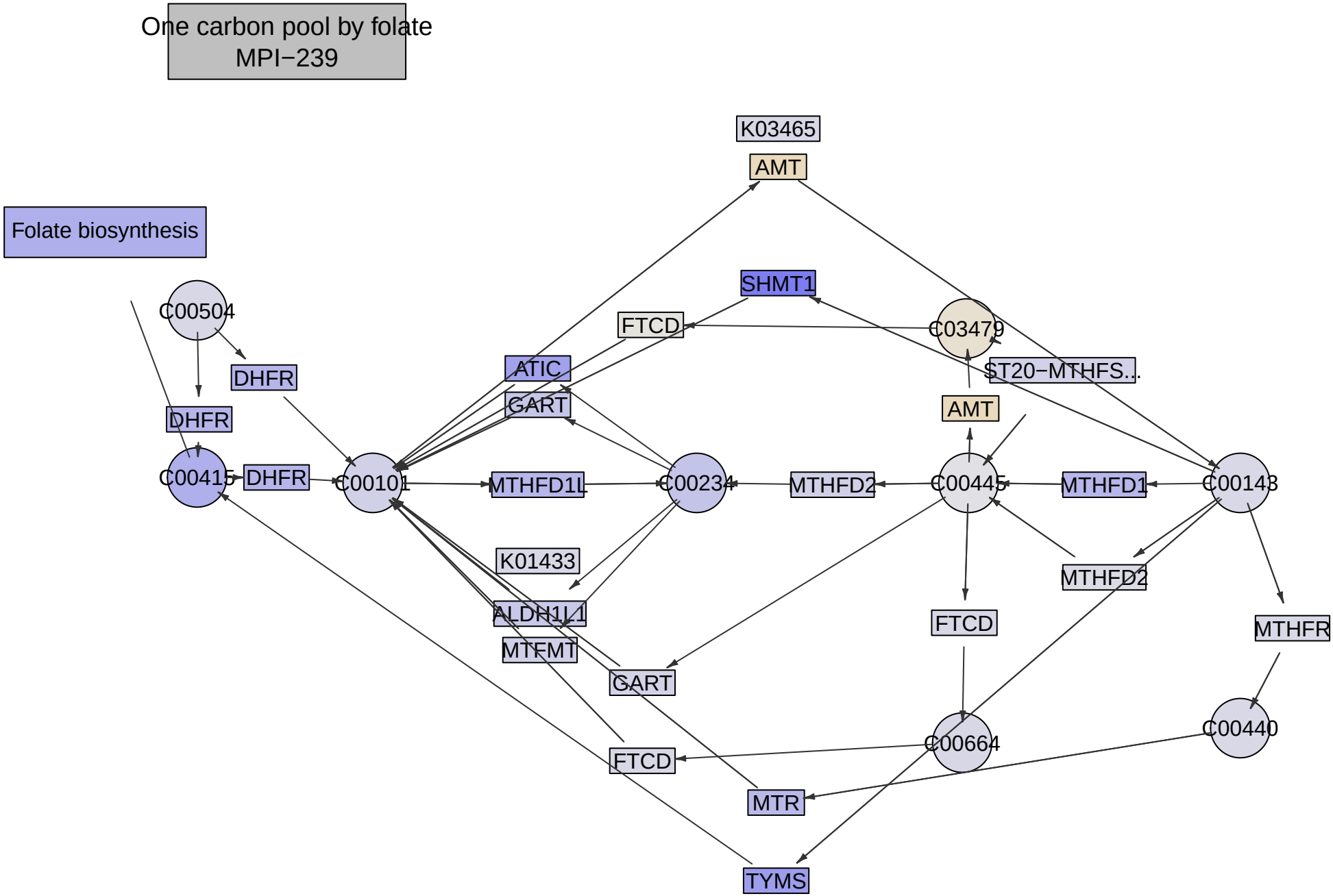

One carbon pool by folate
MPI−233
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

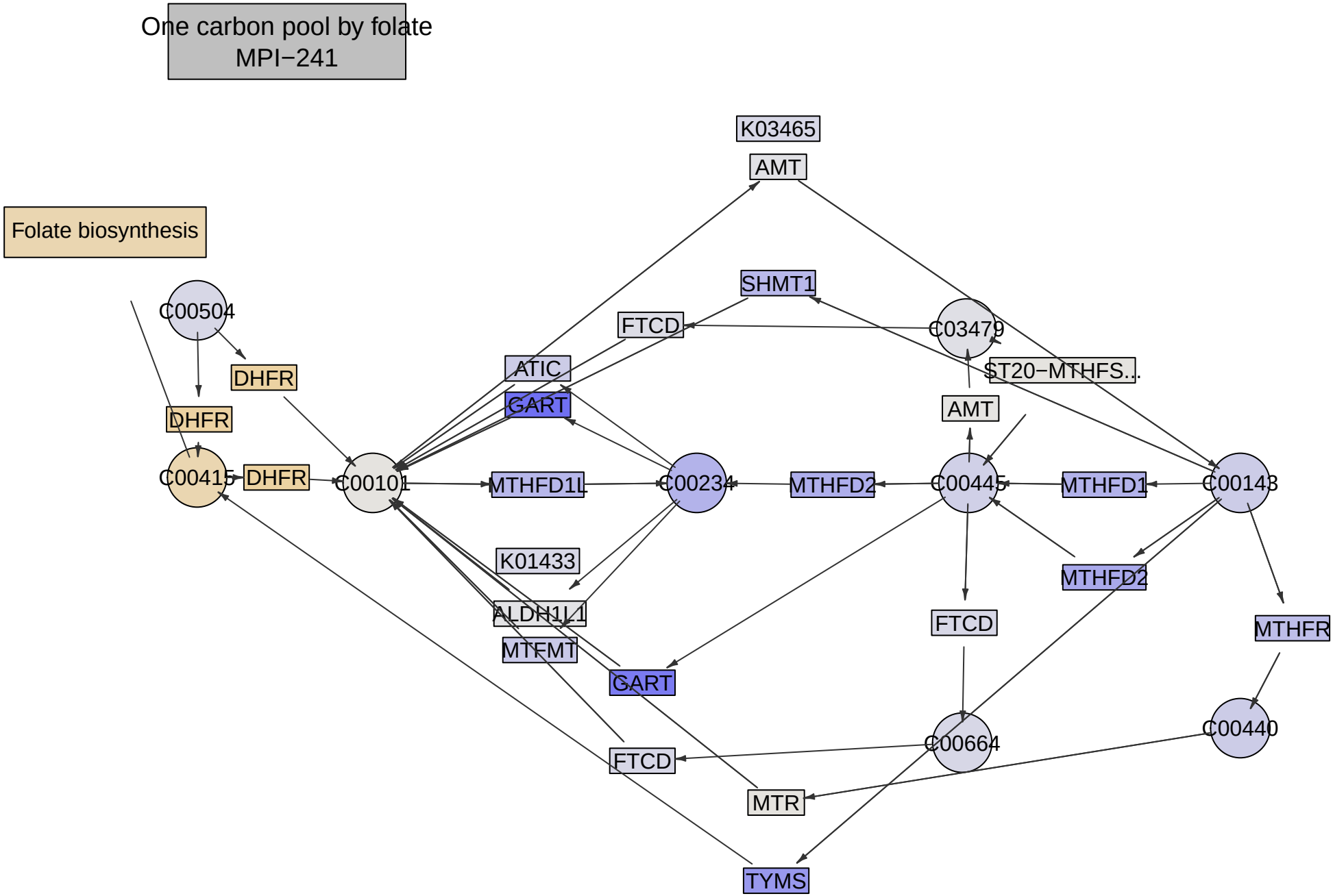

One carbon pool by folate
MPI−234
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

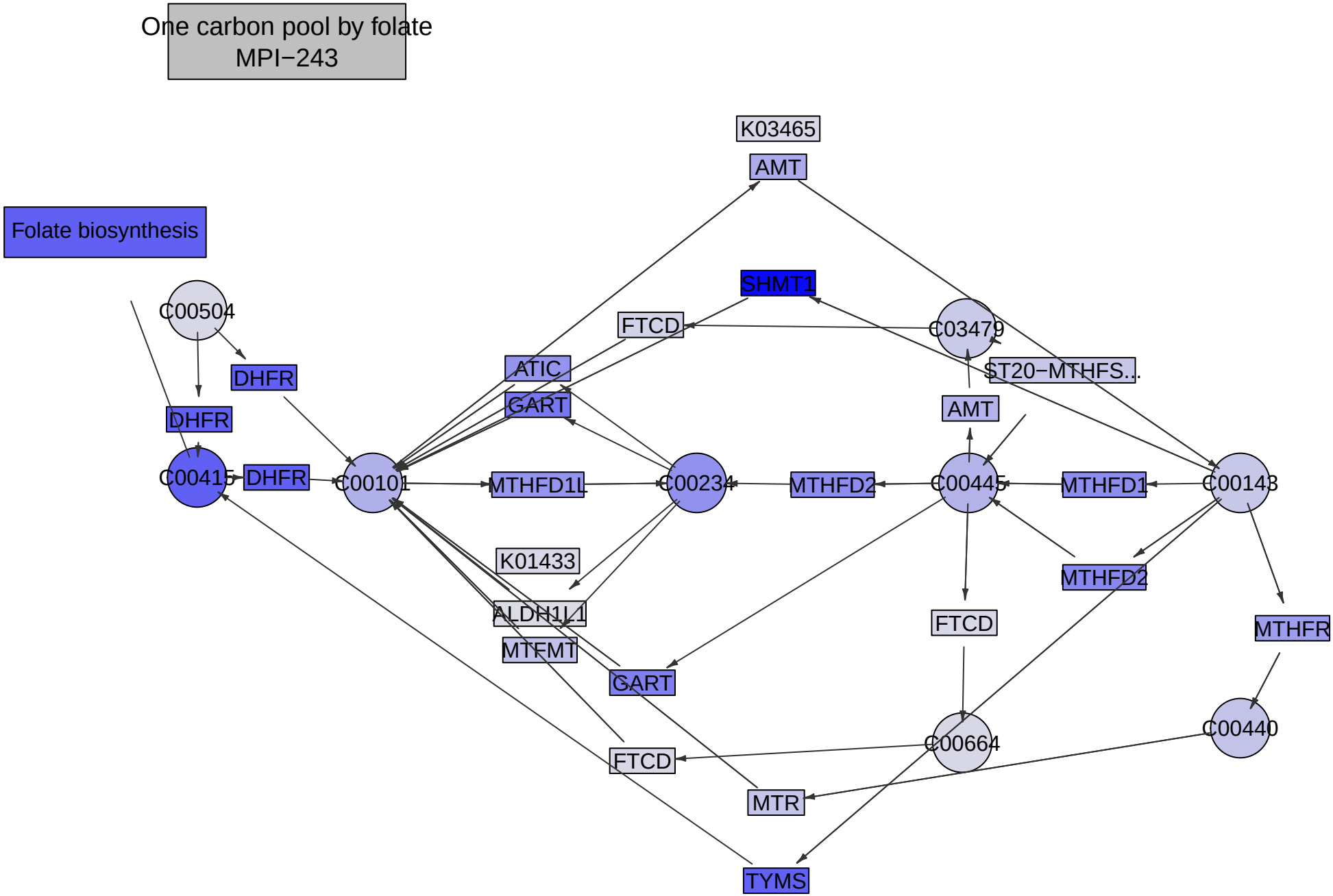

One carbon pool by folate
MPI−235
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
ATIC
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

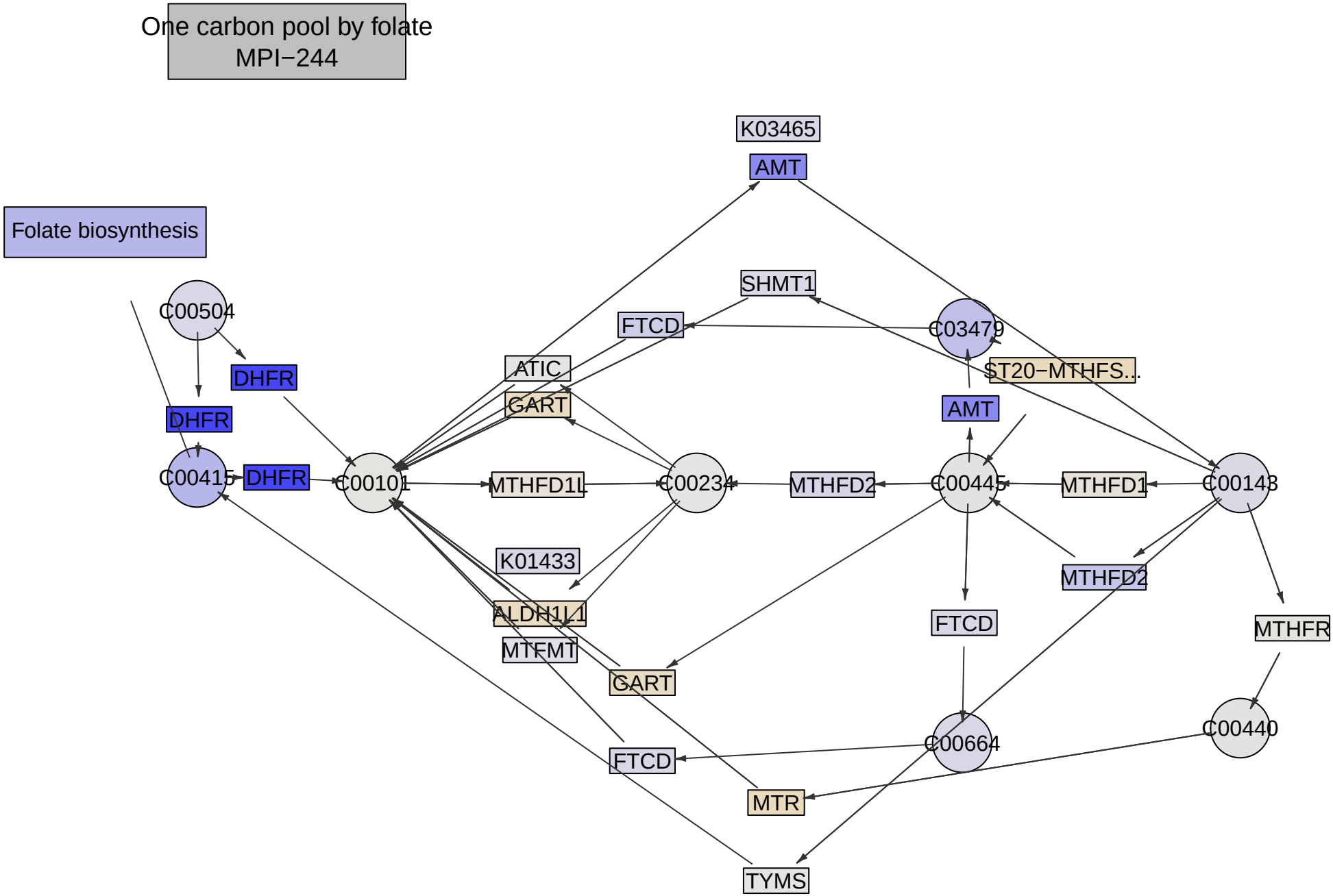

One carbon pool by folate
MPI−236
Folate biosynthesis
K03465
AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

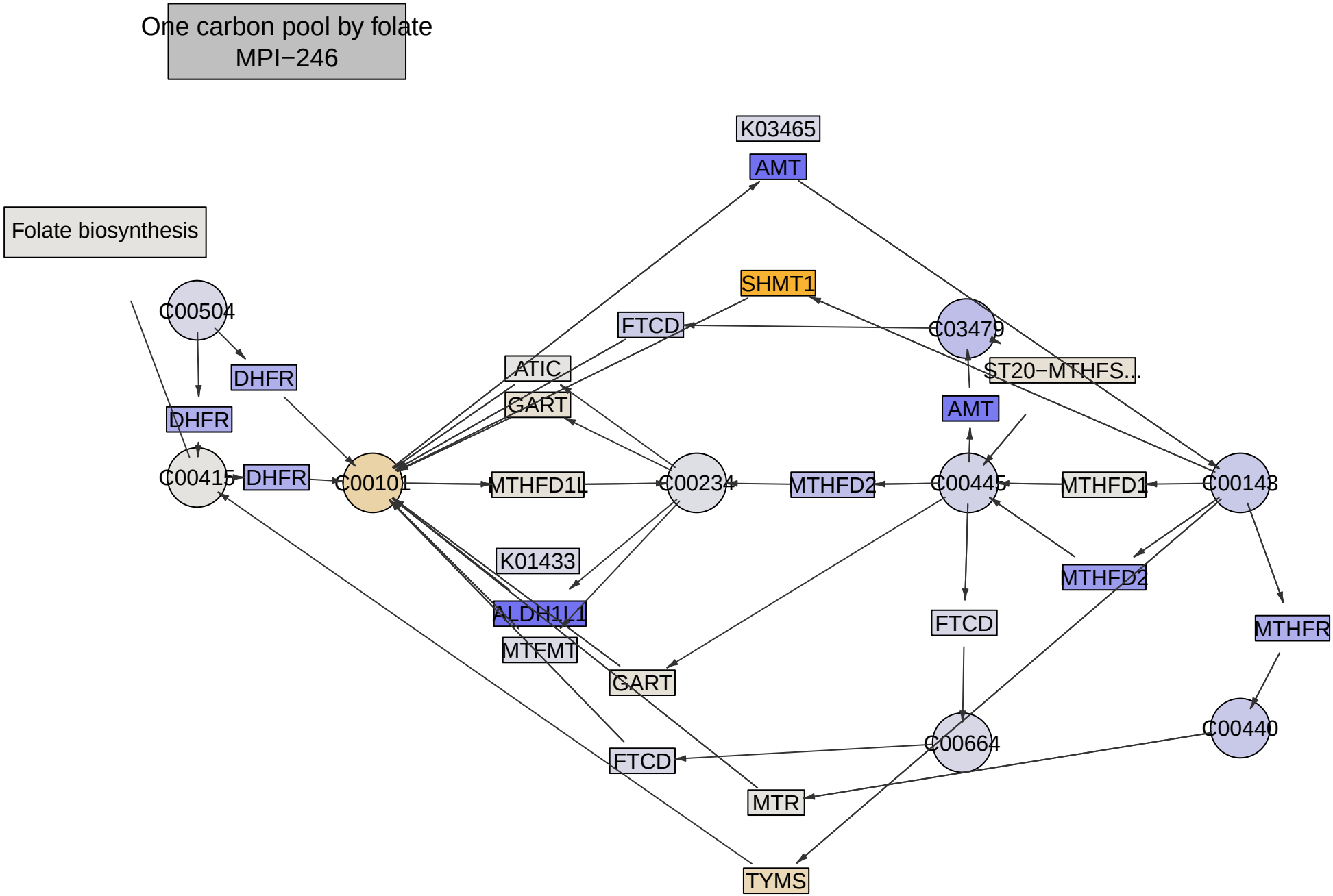

One carbon pool by folate
MPI−237
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

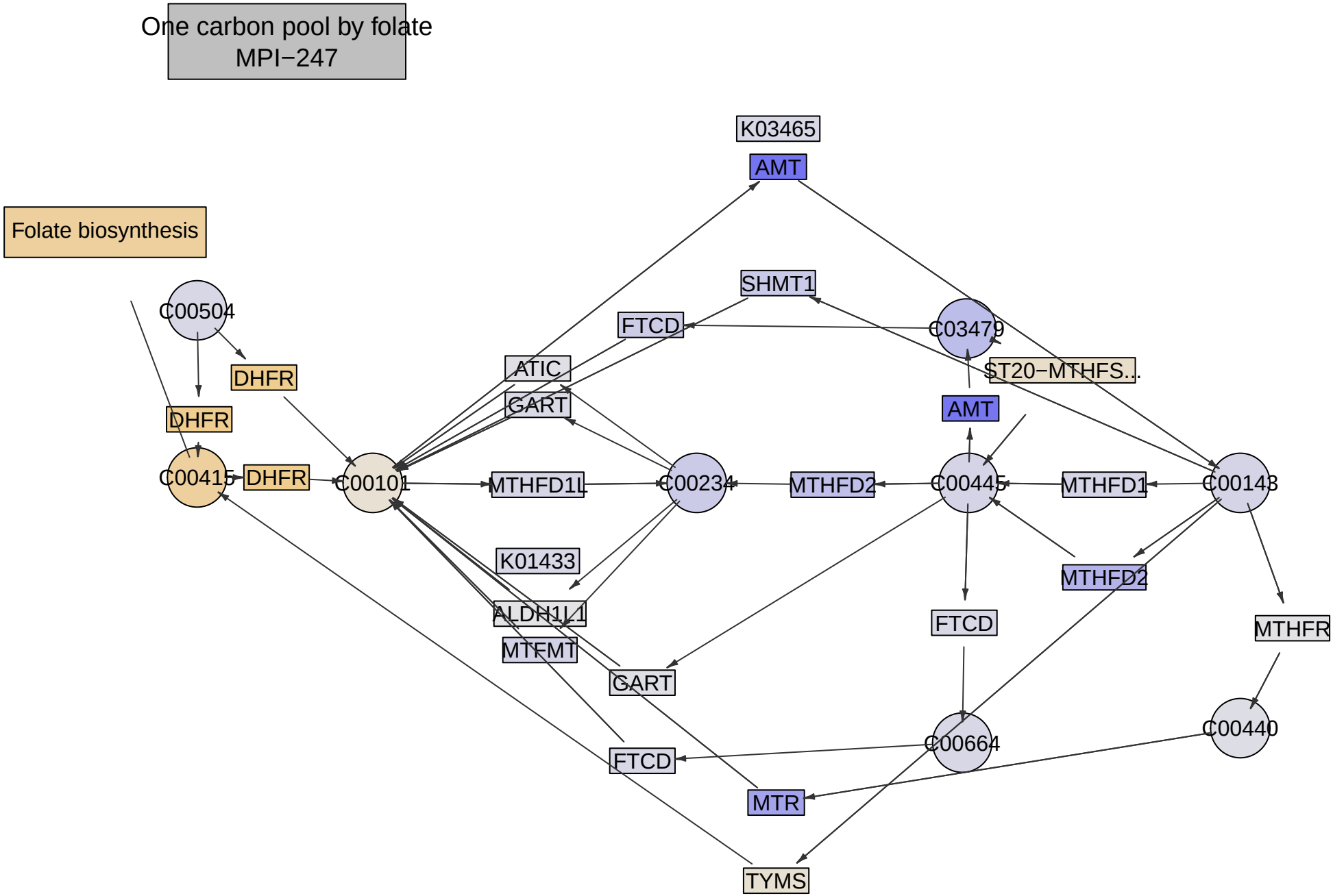

One carbon pool by folate
MPI−239
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
AMT
C00504
DHFR
DHFR
ATIC
GART
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
ALDH1L1
MTFMT
GART
MTHFD2
FTCD
MTHFR
C00440
C00664
FTCD
MTR
TYMS

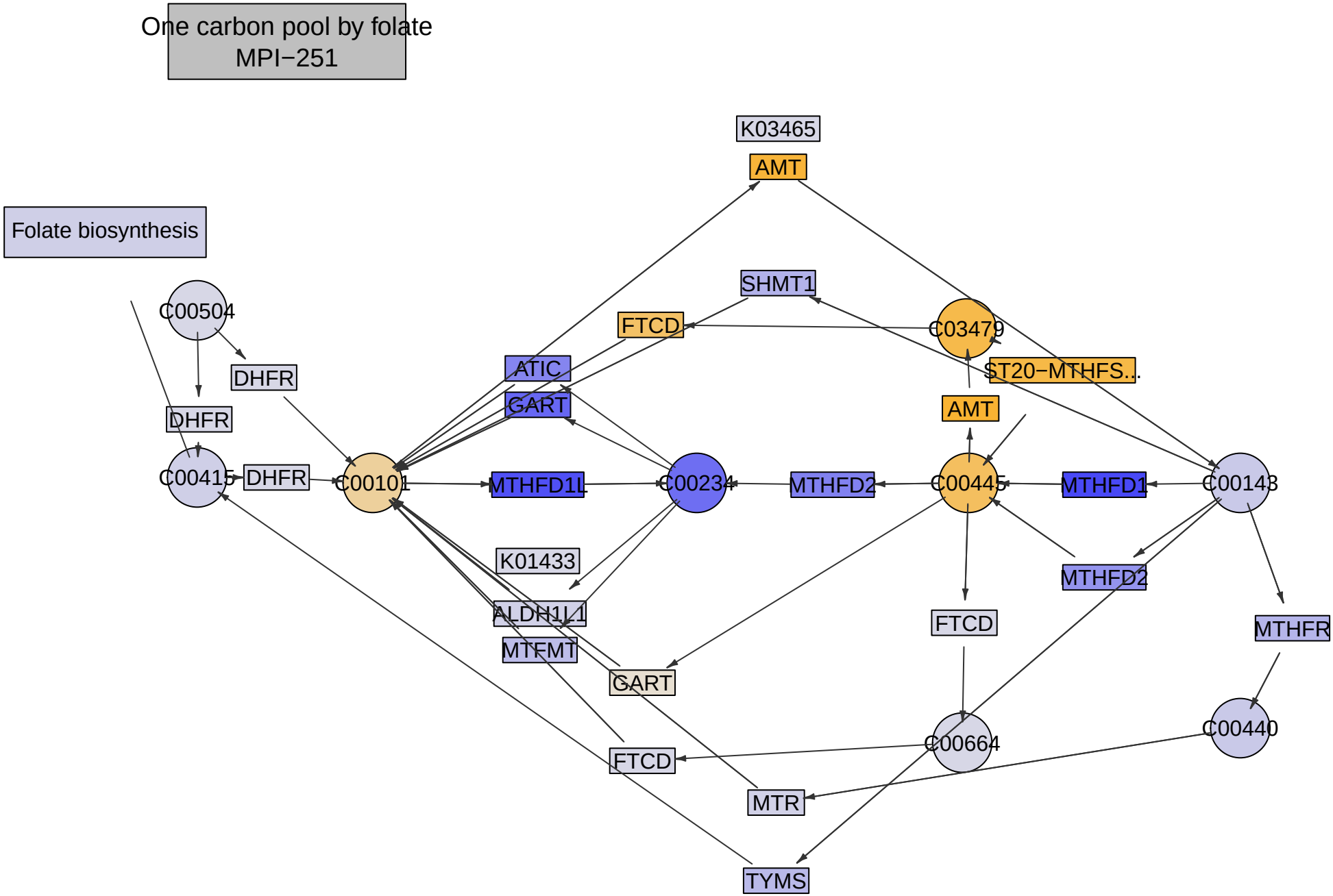

One carbon pool by folate
MPI−241
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

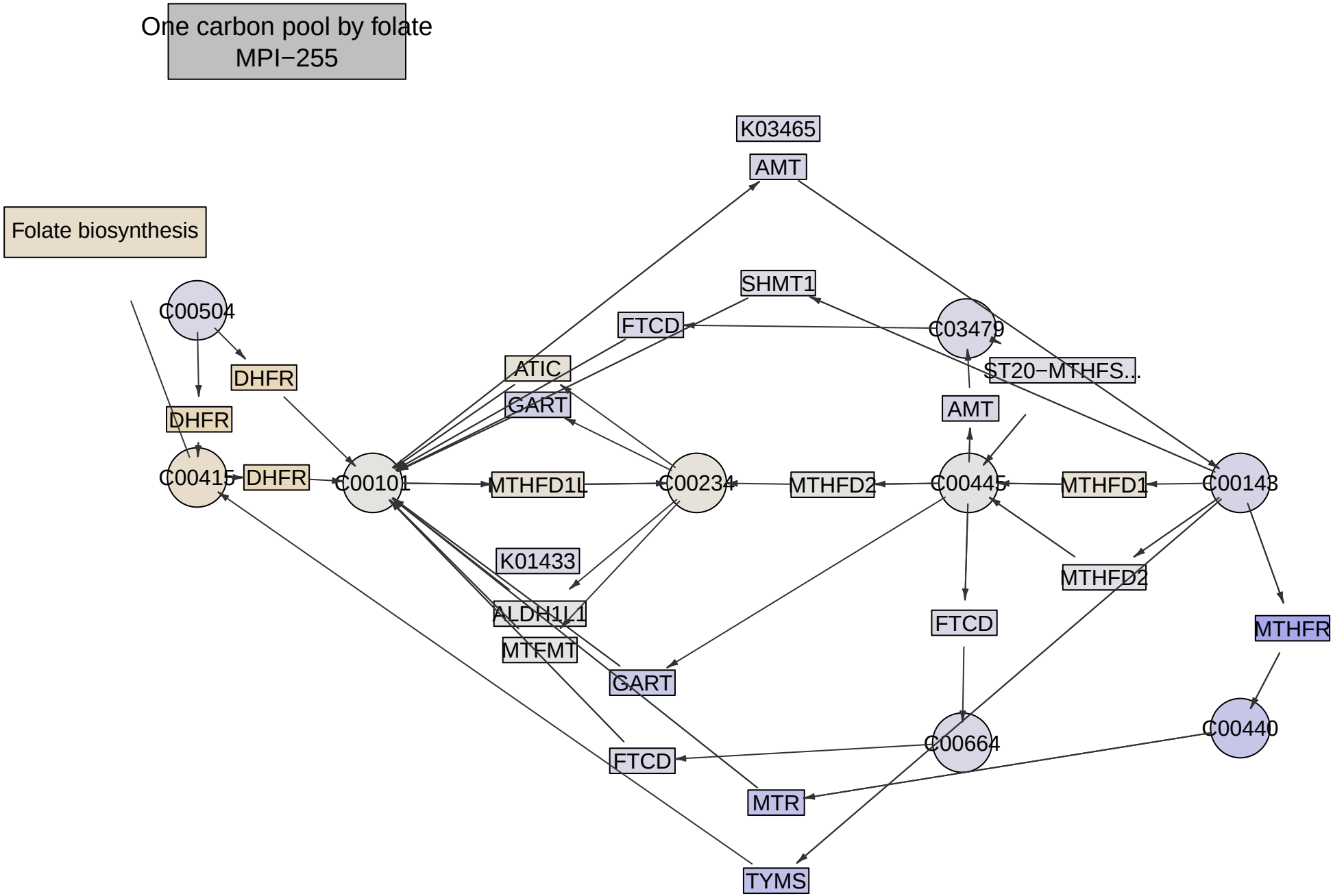

One carbon pool by folate
MPI−243
Folate biosynthesis
K03465
AMT
SHMT1
C00504
FTCD
C03479
ATIC
ST20−MTHFS...
DHFR
GART
AMT
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS

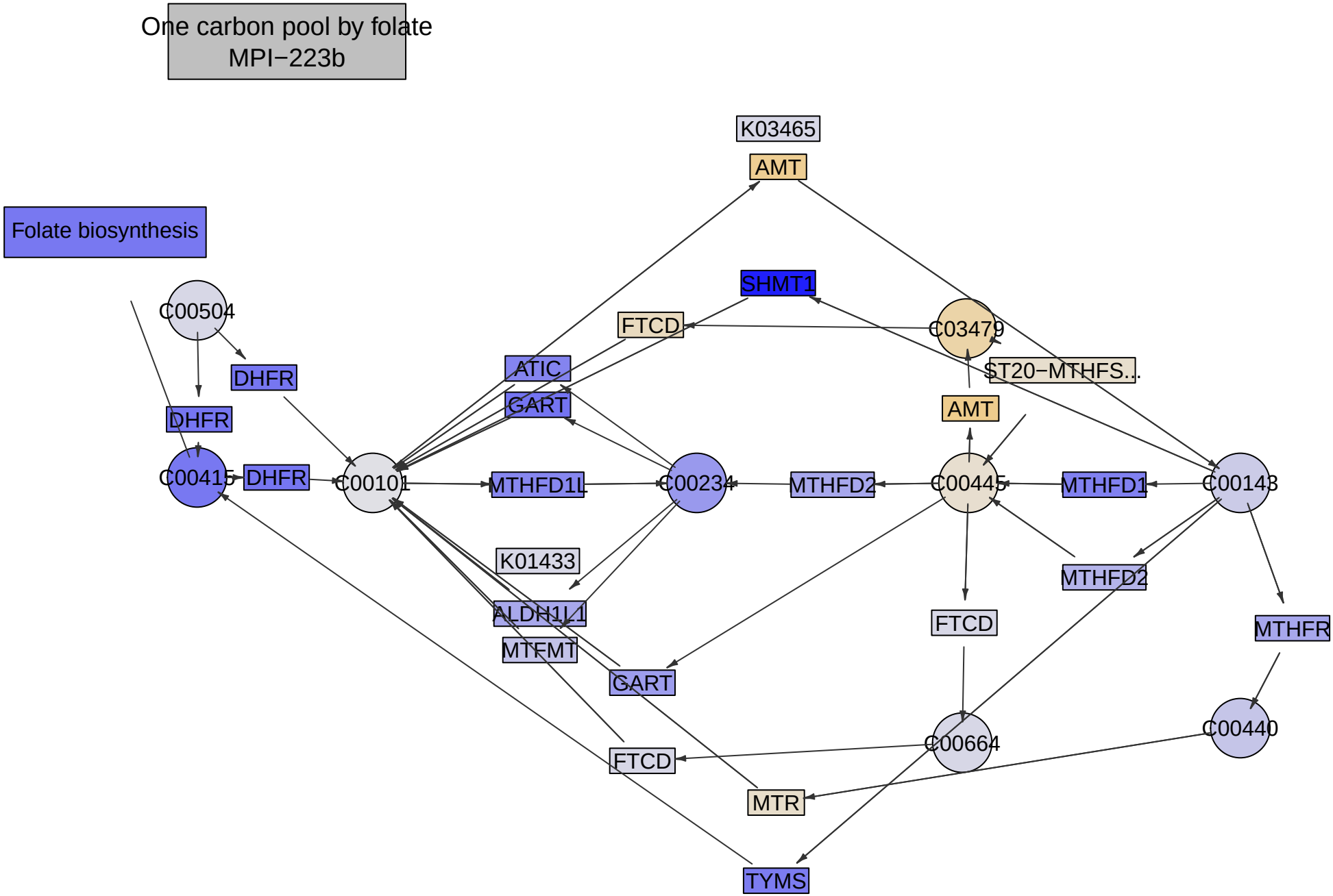

One carbon pool by folate
MPI−244
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
C00440
FTCD
MTR
TYMS


One carbon pool by folate
MPI−246
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
C00440
FTCD
MTR
TYMS


One carbon pool by folate
MPI−247
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−251
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00664
C00440
FTCD
MTR
TYMS


One carbon pool by folate
MPI−255
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ATIC
ST20−MTHFS...
GART
AMT
C00504
DHFR
DHFR
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
MTHFD2
ALDH1L1
FTCD
MTHFR
MTFMT
GART
C00440
C00664
FTCD
MTR
TYMS


One carbon pool by folate
MPI−223b
Folate biosynthesis
K03465
AMT
SHMT1
FTCD
C03479
ST20−MTHFS...
AMT
C00504
DHFR
DHFR
ATIC
GART
C00415
DHFR
C00101
MTHFD1L
C00234
MTHFD2
C00445
MTHFD1
C00143
K01433
ALDH1L1
MTFMT
GART
MTHFD2
FTCD
MTHFR
C00440
C00664
FTCD
MTR
TYMS