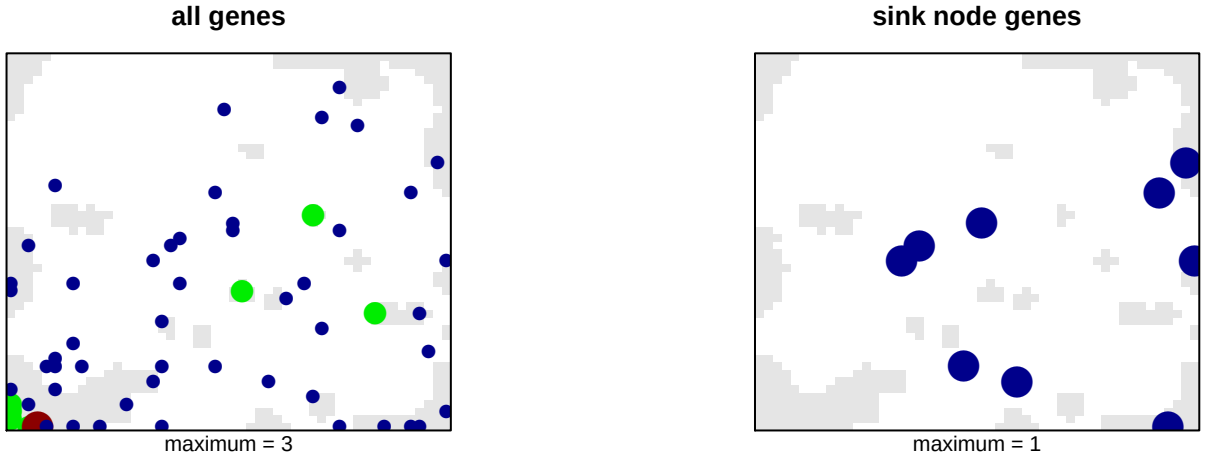
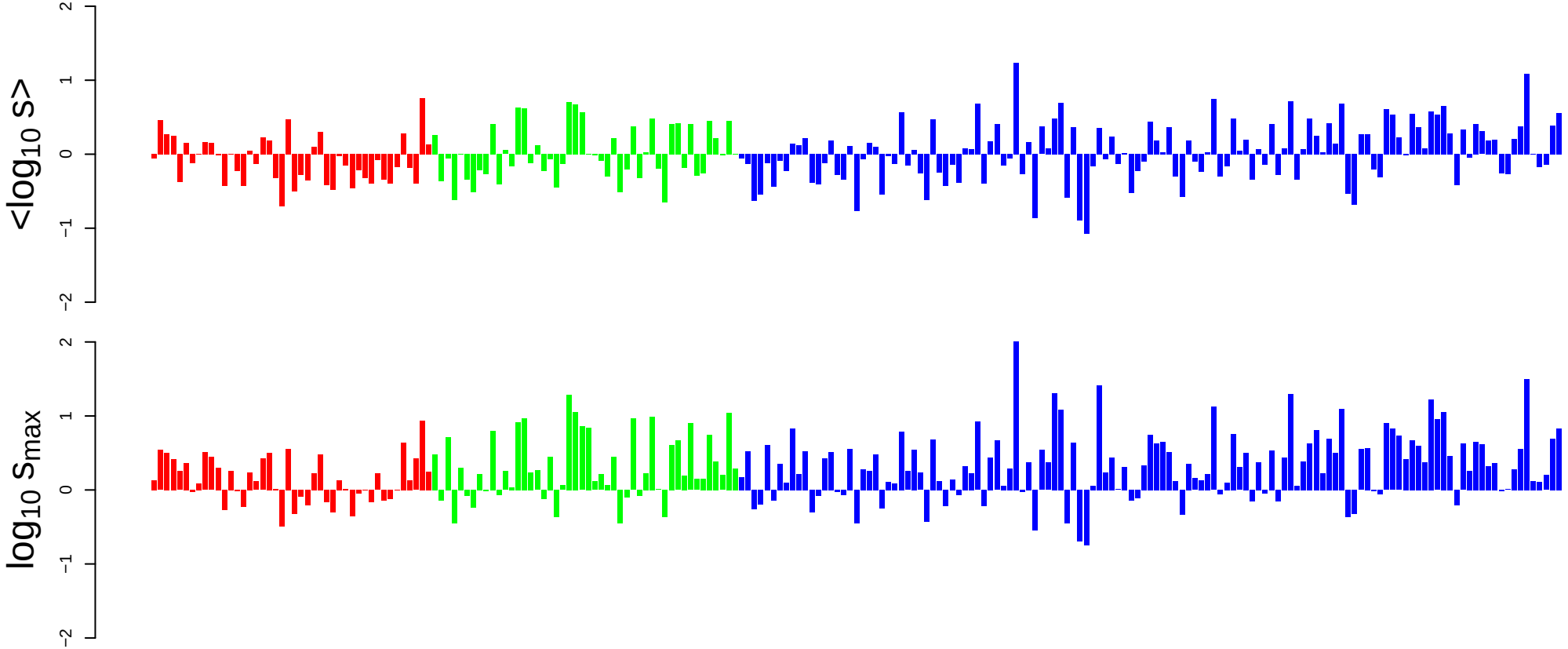
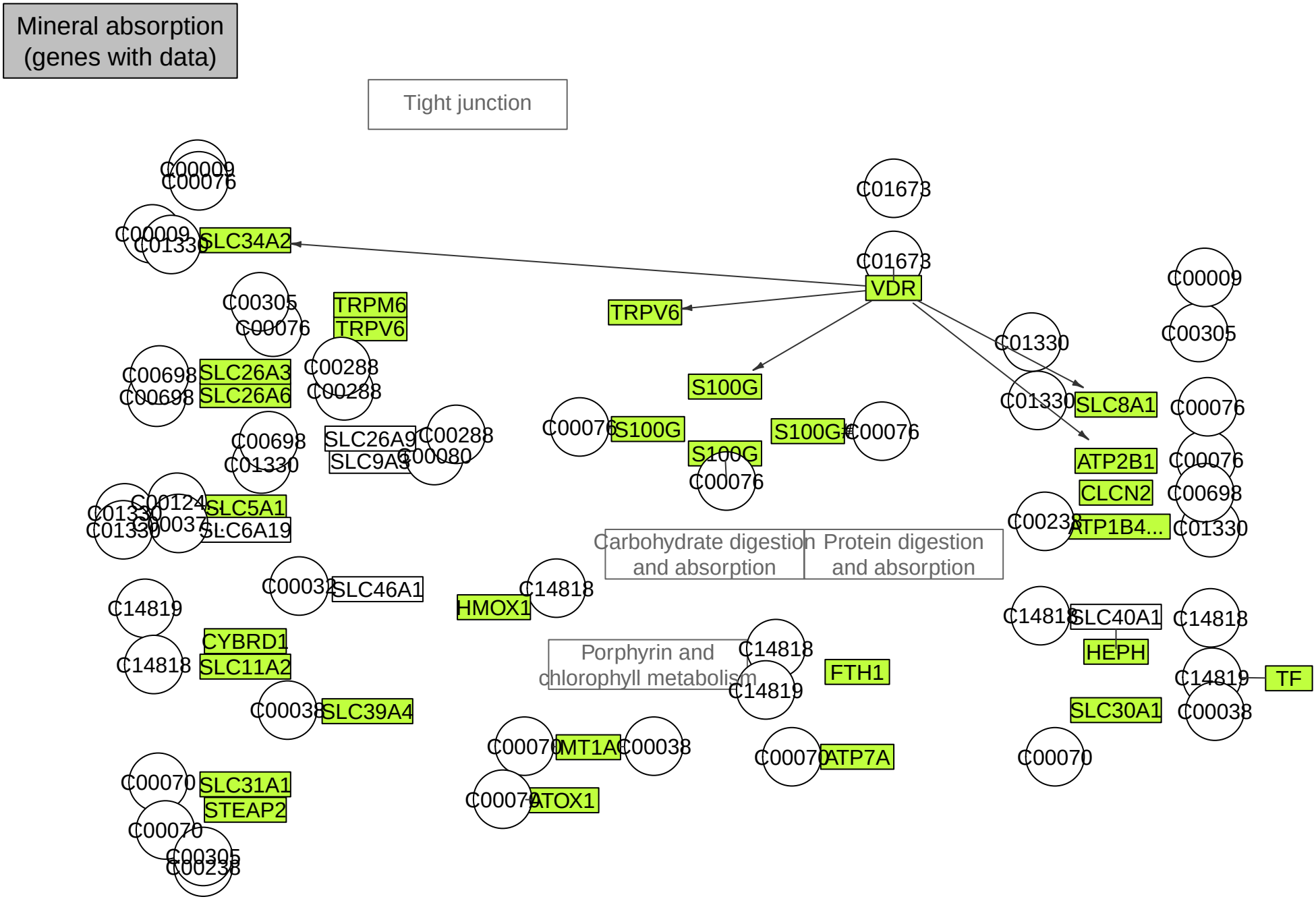
Mineral absorption






Mineral absorption
(genes with data)
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C00076
C00009
C01330
SLC34A2
C00305
C00076
TRPM6
TRPV6
C00698
C00698
SLC26A3
SLC26A6
C00288
C00288
C00698
C01330
SLC26A9
SLC9A3
C00288
C00080
C00124
C01330
C01330
C00037
SLC5A1
SLC6A19
C00032
SLC46A1
C14819
C14818
CYBRD1
SLC11A2
C00038
SLC39A4
C00070
SLC31A1
STEAP2
C00070
C00305
C00238
C01673
C01673
VDR
TRPV6
S100G
C00076
S100G
S100G
S100G
C00076
C00076
Carbohydrate digestion and absorption
Protein digestion and absorption
HMOX1
C14818
Porphyrin and chlorophyll metabolism
C14818
FTH1
C14819
C00070
MT1A
C00038
C00070
ATP7A
C00070
ATOX1
C01330
SLC8A1
C00009
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ATP2B1
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CLCN2
C00698
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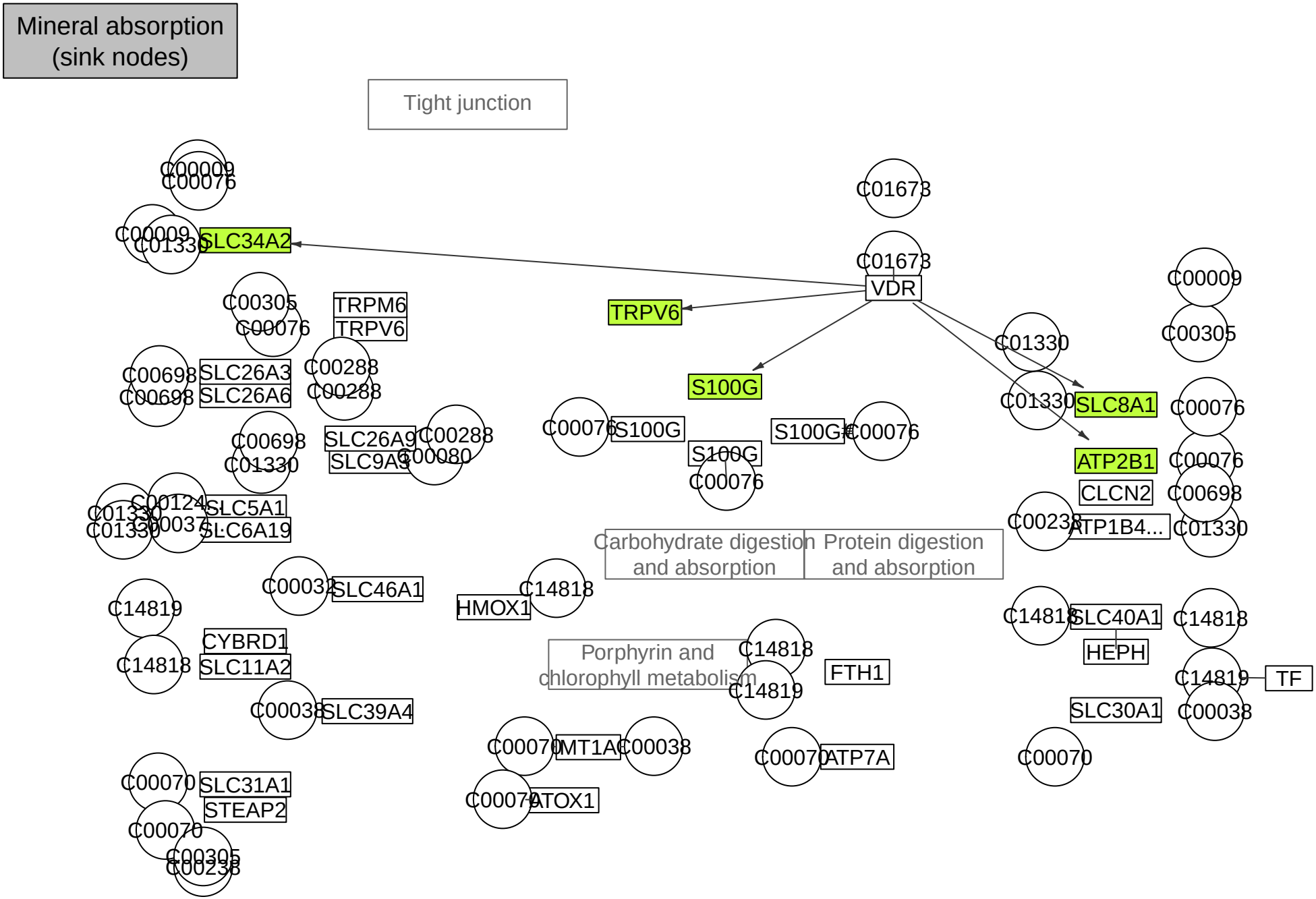
Mineral absorption (sink nodes)
Tight junction
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C01330
SLC34A2
C01673
C01673
VDR
TRPV6
C00305
C00076
TRPM6
TRPV6
C00698
C00698
SLC26A3
SLC26A6
C00288
C00288
S100G
C00076
S100G
S100G
C00076
S100G
C00076
C00698
C01330
SLC26A9
SLC9A3
C00288
C00080
C00124
C01330
C01330
C00037
SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00032
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
C00038
SLC39A4
C14818
HMOX1
Porphyrin and chlorophyll metabolism
C14818
C14819
FTH1
C00070
MT1A
C00038
C00070
ATOX1
C00070
ATP7A
C00070
SLC31A1
STEAP2
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C00305
C00238
C01330
SLC8A1
C00009
C00305
C00076
ATP2B1
C00076
CLCN2
C00698
C00238
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HEPH
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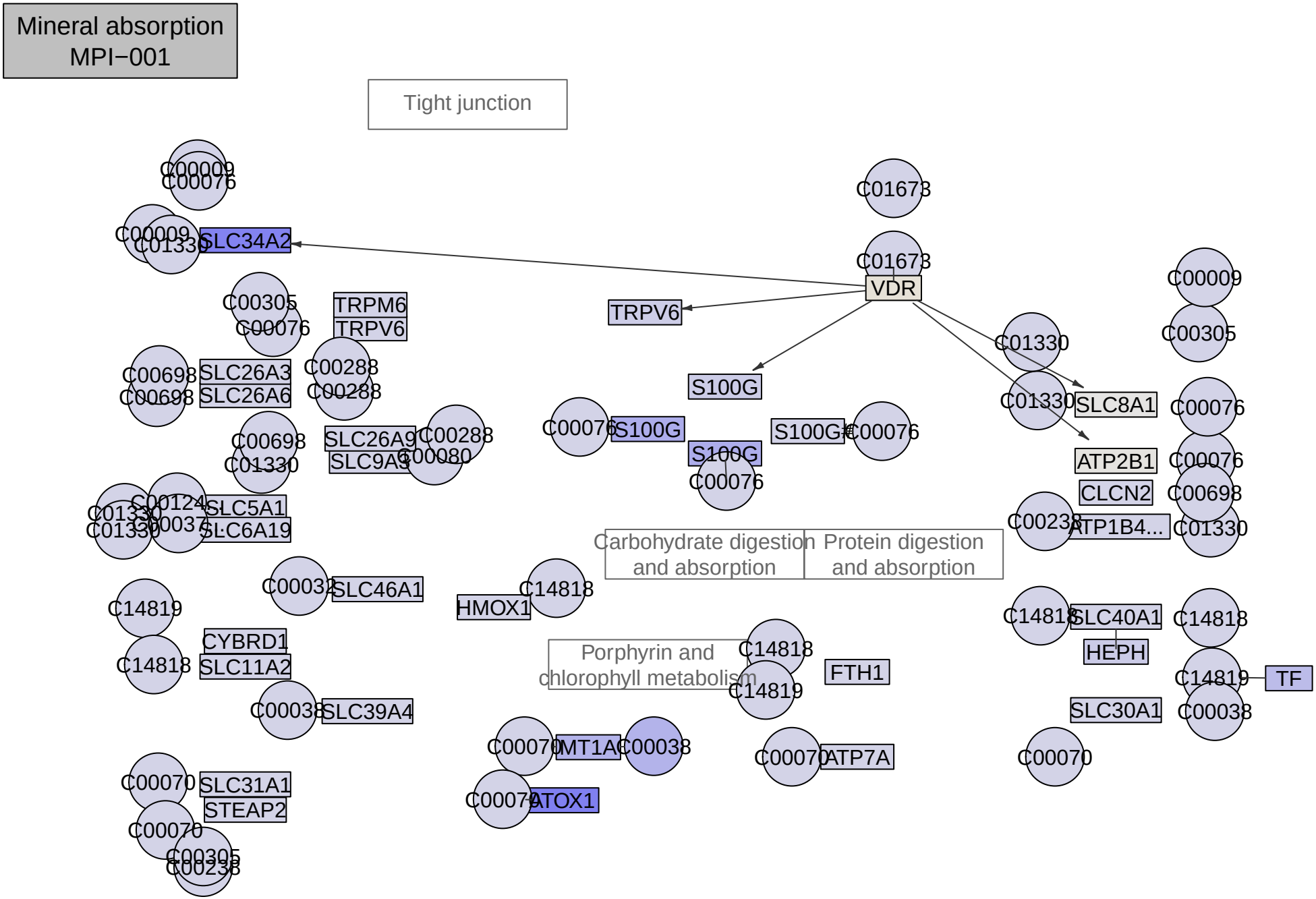
C00070


Mineral absorption
MPI−001
Tight junction
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C00009
C01330
SLC34A2
C01673
C01673
VDR
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C00009
C00305
C01330
C01330
SLC8A1
C00076
ATP2B1
C00076
CLCN2
C00698
C00238
ATP1B4...
C01330
C00305
C00076
TRPM6
TRPV6
C00698
C00698
SLC26A3
SLC26A6
C00288
C00288
C00698
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SLC9A3
C00288
C00080
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C00076
S100G
S100G
C00076
S100G
C00076
C00124
C01330
C01330
C00037
SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
C00038
SLC39A4
C14818
HMOX1
Porphyrin and chlorophyll metabolism
C14818
C14819
FTH1
C14818
SLC40A1
HEPH
C14818
C14819
TF
SLC30A1
C00038
C00070
SLC31A1
STEAP2
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MT1A
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ATOX1
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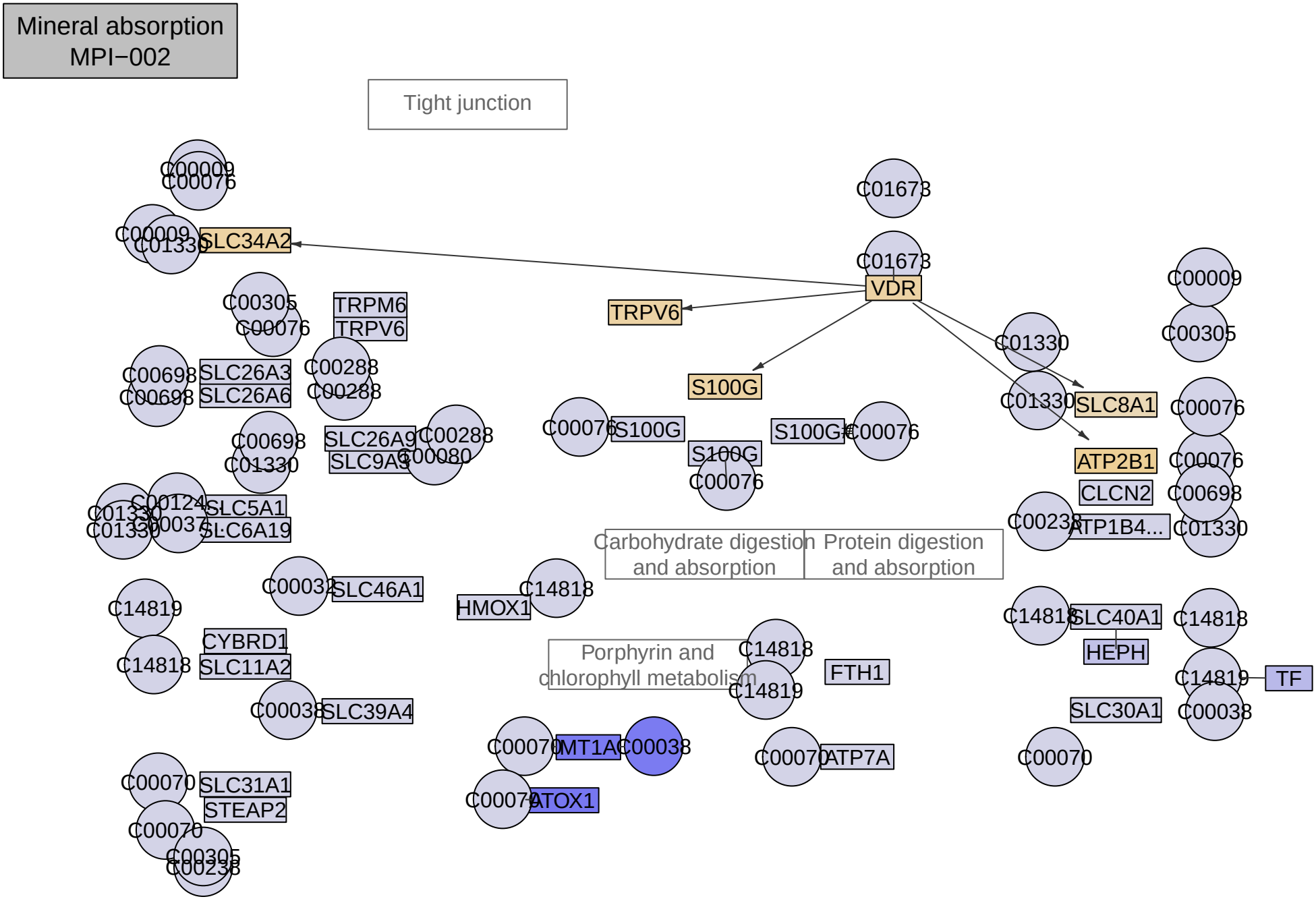
ATP7A
C00070


Mineral absorption
MPI−002
Tight junction
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C01330
SLC34A2
C01673
C01673
VDR
TRPV6
C00009
C00305
C01330
C01330
SLC8A1
C00076
ATP2B1
C00076
CLCN2
C00698
C00238
ATP1B4...
C01330
C00305
TRPM6
TRPV6
C00698
SLC26A3
C00698
SLC26A6
C00288
C00288
S100G
C00076
S100G
S100G
C00076
S100G
C00076
C00698
C01330
SLC26A9
SLC9A3
C00288
C00080
C00124
C01330
C00037
SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
C00038
SLC39A4
C14818
HMOX1
Porphyrin and chlorophyll metabolism
C14818
C14819
FTH1
C14818
SLC40A1
HEPH
C14818
C14819
TF
SLC30A1
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SLC31A1
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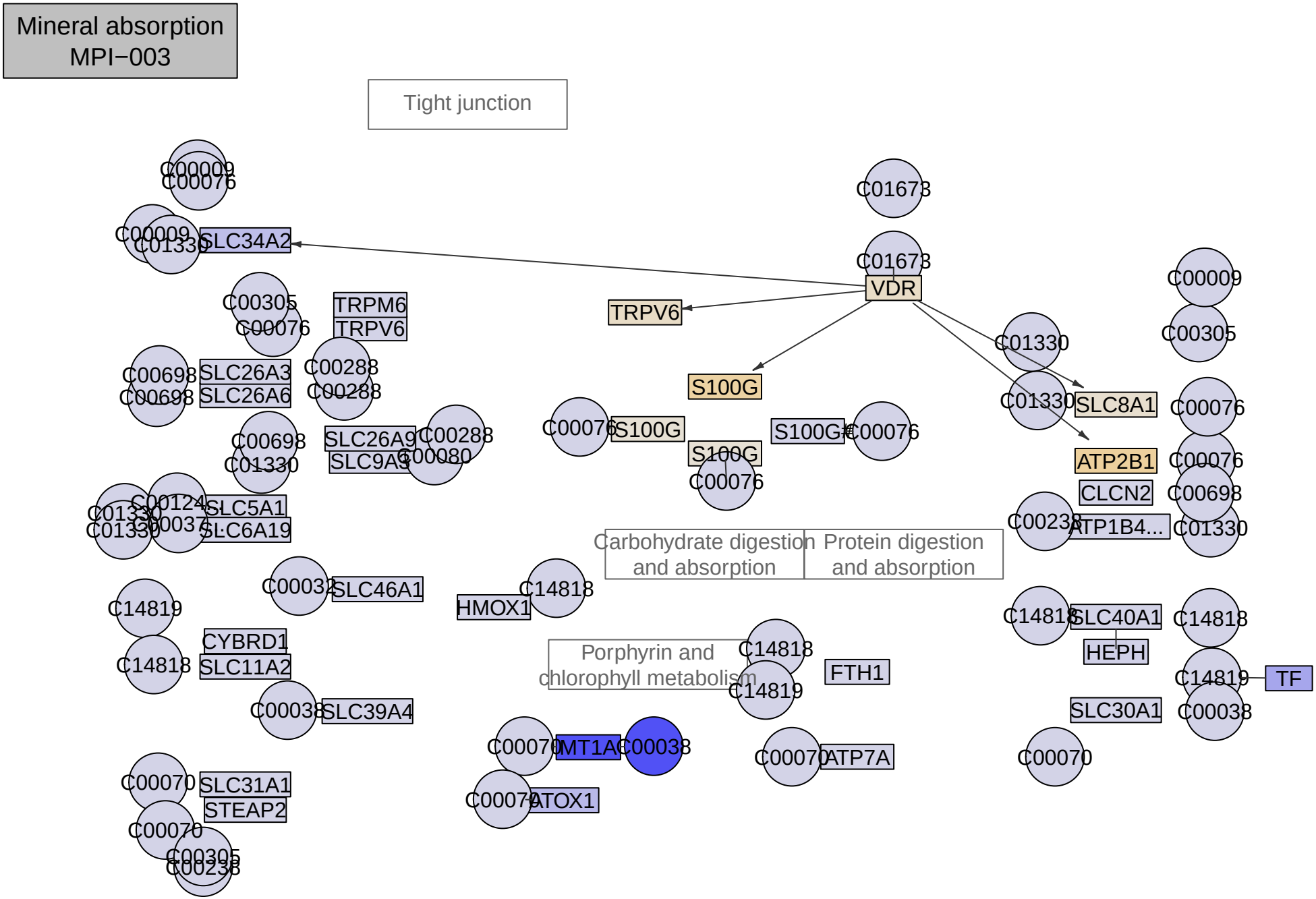
Mineral absorption
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SLC34A2
C00305
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TRPM6
TRPV6
C00698
C00698
SLC26A3
SLC26A6
C00288
C00288
C00698
C01330
SLC26A9
SLC9A3
C00288
C00080
C00124
C01330
C01330
C00037
SLC5A1
SLC6A19
C00038
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
C00038
SLC39A4
C00070
SLC31A1
STEAP2
C00070
C00305
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C01673
C01673
VDR
TRPV6
S100G
C00076
S100G
S100G
S100G
C00076
C00076
Carbohydrate digestion and absorption
Protein digestion and absorption
C14818
HMOX1
Porphyrin and chlorophyll metabolism
C14818
FTH1
C14819
C00070
MT1A
C00038
C00070
ATOX1
C00070
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C01330
C01330
SLC8A1
C00009
C00305
C00076
ATP2B1
C00076
CLCN2
C00698
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TF
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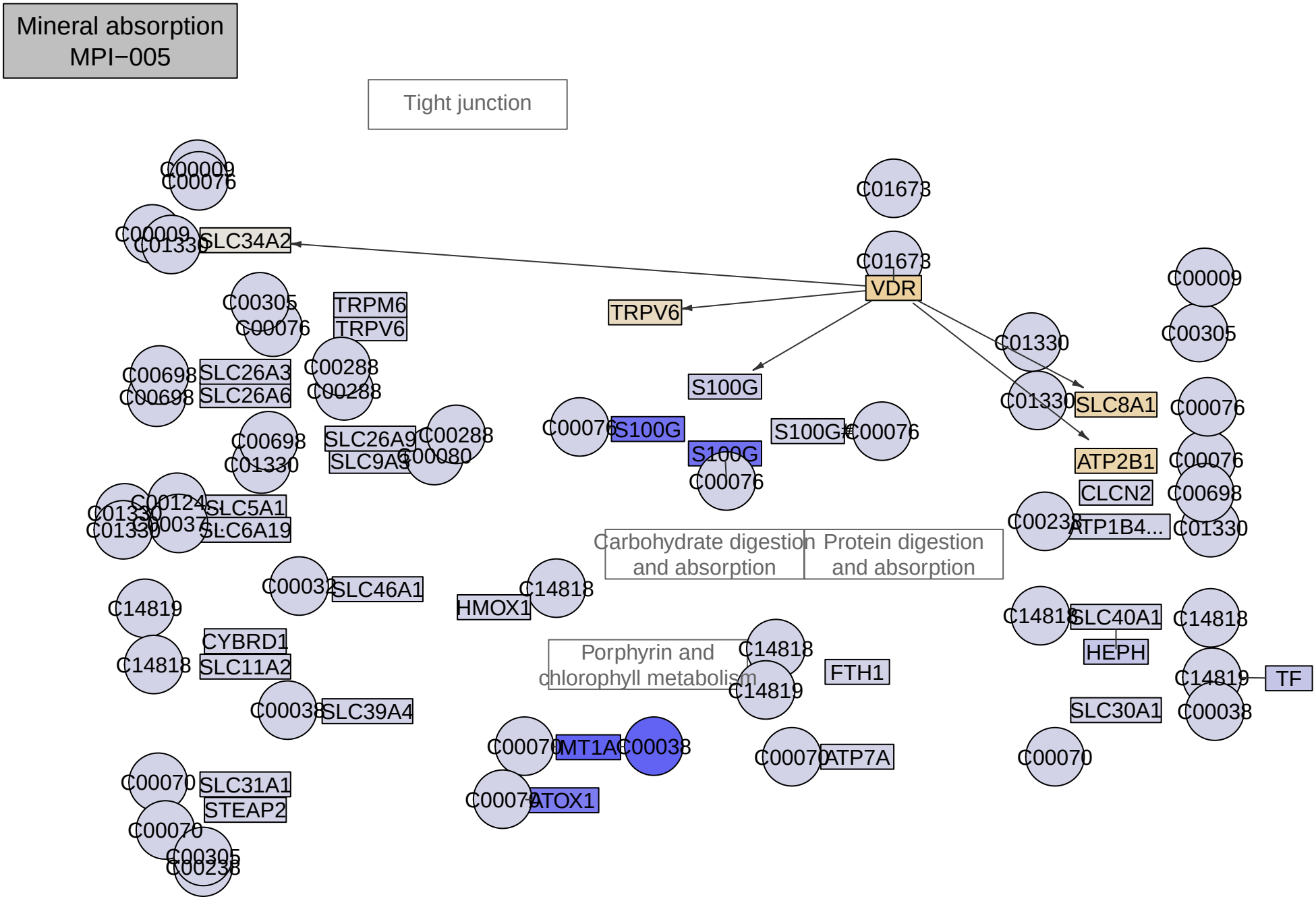
Mineral absorption
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C01330
SLC8A1
C00076
ATP2B1
C00076
CLCN2
C00698
C00238
ATP1B4...
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C00305
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TRPV6
C00698
SLC26A3
C00698
SLC26A6
C00288
C00288
S100G
C00076
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C00076
C00698
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SLC9A3
C00288
C00080
C00124
C01330
C00037
SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
C00038
SLC39A4
HMOX1
C14818
Porphyrin and chlorophyll metabolism
C14818
C14819
FTH1
C14818
SLC40A1
C14818
HEPH
C14819
TF
SLC30A1
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SLC31A1
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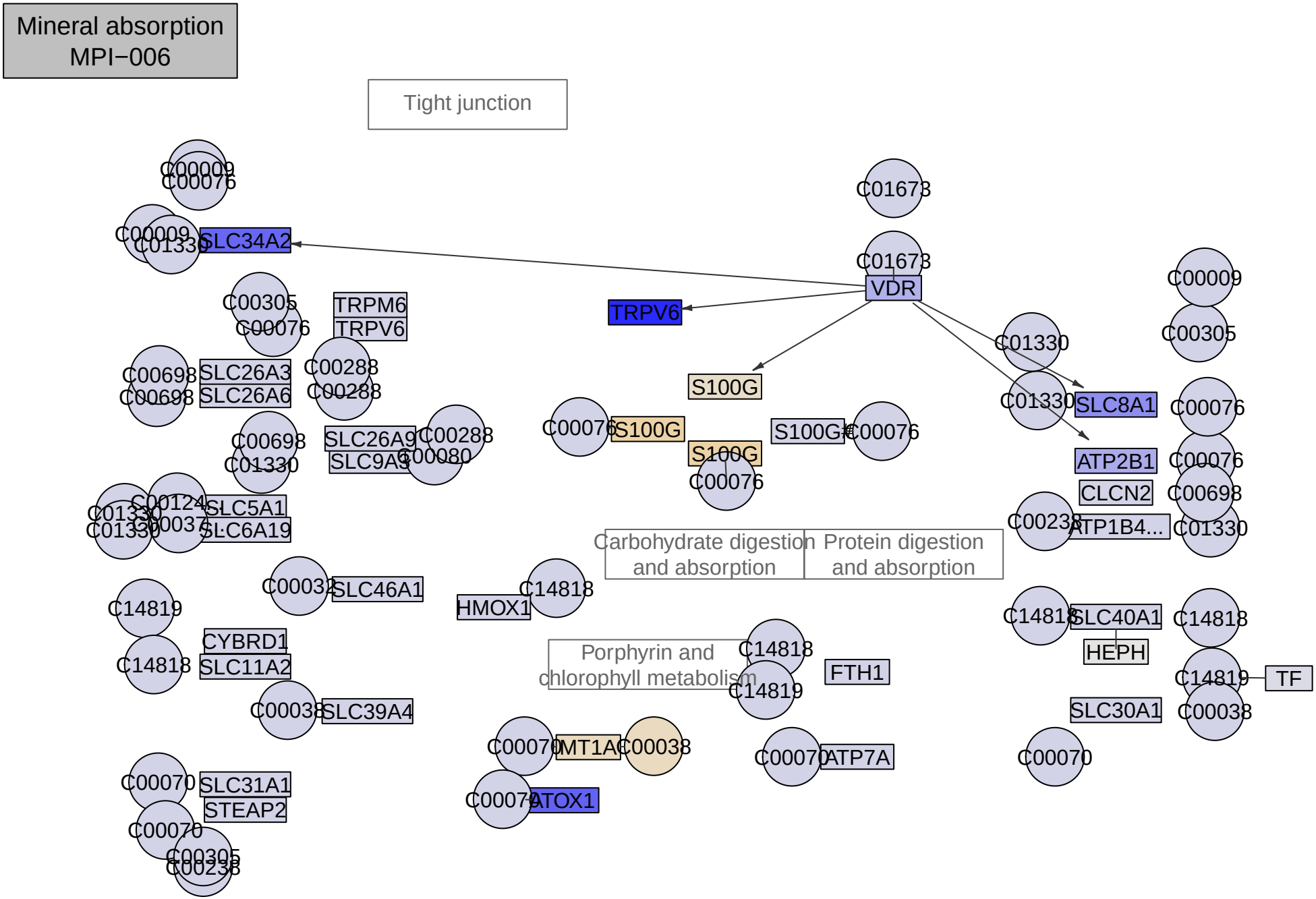
Mineral absorption
MPI−006
Tight junction
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C01330
SLC8A1
C00076
ATP2B1
C00076
CLCN2
C00698
C00238
ATP1B4...
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C00076
TRPM6
TRPV6
C00698
C00698
SLC26A3
SLC26A6
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C00288
C00698
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SLC9A3
C00288
C00080
S100G
C00076
S100G
S100G
S100G
C00076
C00076
Carbohydrate digestion and absorption
Protein digestion and absorption
C00124
C01330
C01330
C00037
SLC5A1
SLC6A19
C00038
SLC46A1
C14819
C14819
HMOX1
CYBRD1
C14818
SLC11A2
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SLC39A4
Porphyrin and chlorophyll metabolism
C14818
C14819
FTH1
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SLC40A1
HEPH
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C14819
TF
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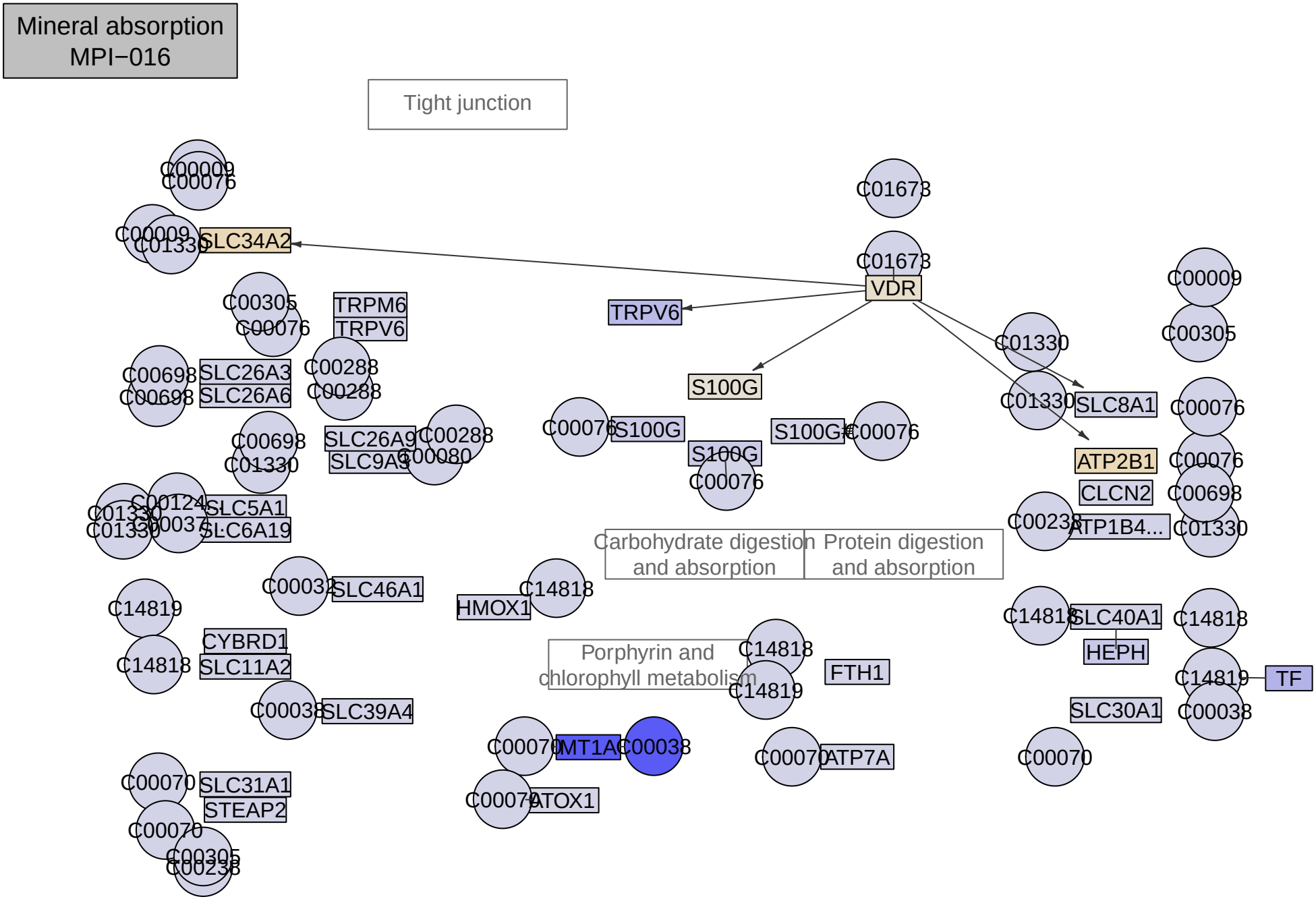
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TRPM6
TRPV6
TRPV6
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C00698
SLC26A3
SLC26A6
C00288
C00288
S100G
C01330
SLC8A1
C00076
C00698
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ATP2B1
C00076
C00124
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C01330
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SLC6A19
CLCN2
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ATP1B4...
C01330
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
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C14819
HMOX1
C14818
C14818
SLC40A1
C14818
CYBRD1
C14818
SLC11A2
Porphyrin and chlorophyll metabolism
C14818
C14819
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HEPH
C14819
TF
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SLC30A1
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MT1A
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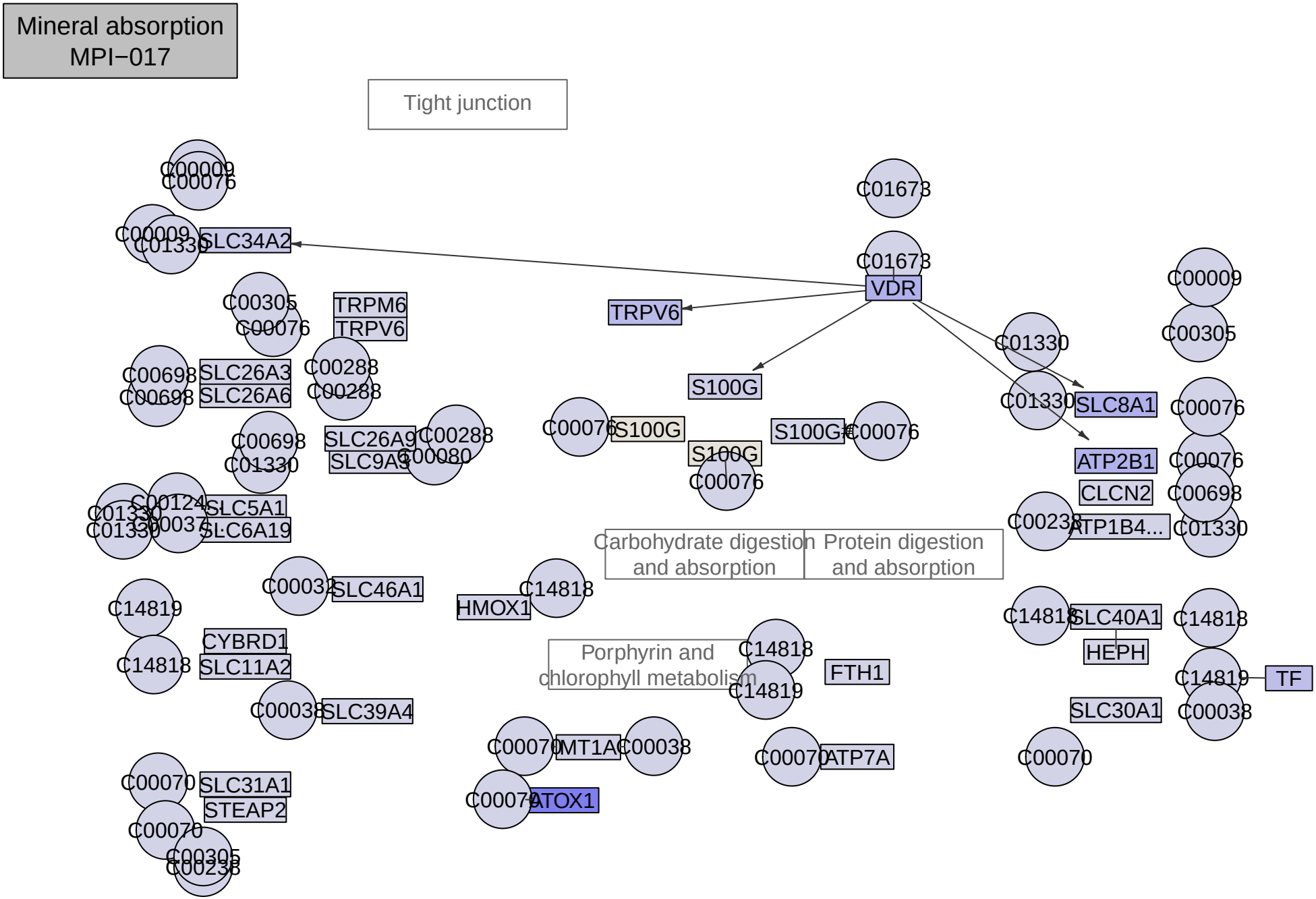
C00238


Mineral absorption
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SLC34A2
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TRPV6
C00698
C00698
SLC26A3
SLC26A6
C00288
C00288
C00698
C01330
SLC26A9
SLC9A3
C00288
C00080
C00124
C01330
C01330
C00037
SLC5A1
SLC6A19
C00038
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
C00038
SLC39A4
C00070
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STEAP2
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C01673
C01673
VDR
TRPV6
S100G
C00076
S100G
S100G
S100G
C00076
C00076
Carbohydrate digestion and absorption
Protein digestion and absorption
C14818
HMOX1
Porphyrin and chlorophyll metabolism
C14818
FTH1
C14819
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MT1A
C00038
C00070
ATOX1
C00070
ATP7A
C01330
SLC8A1
C00009
C00305
C00076
ATP2B1
C00076
CLCN2
C00698
C00238
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SLC30A1
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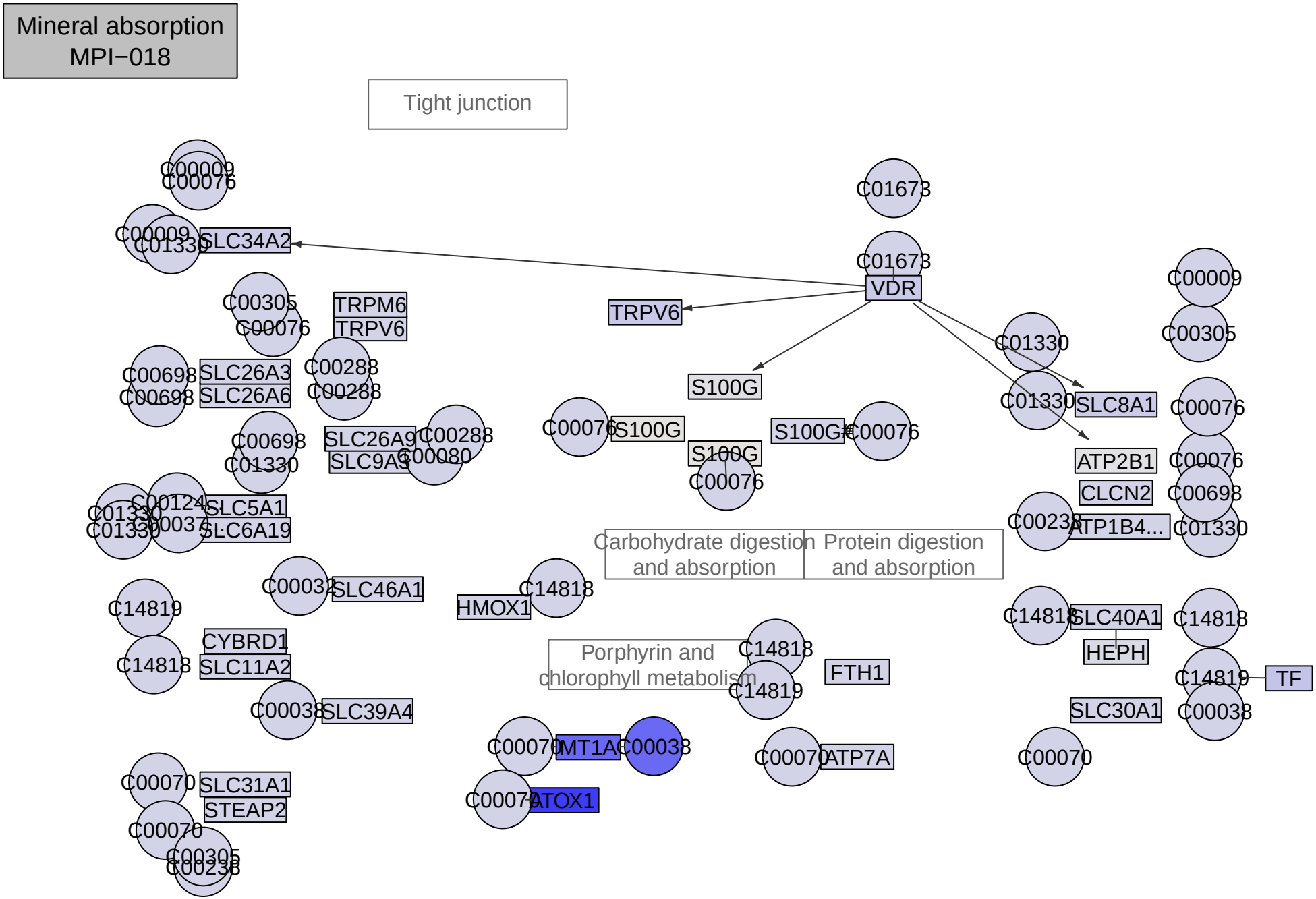
Mineral absorption
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C00305
C00076
TRPM6
TRPV6
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C00698
SLC26A3
SLC26A6
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C00288
C00698
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SLC26A9
SLC9A3
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C01330
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SLC5A1
SLC6A19
C00038
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
C00038
SLC39A4
C00070
SLC31A1
STEAP2
C00070
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C00238
S100G
C00076
S100G
S100G
C00076
S100G
C00076
Carbohydrate digestion and absorption
Protein digestion and absorption
C14818
HMOX1
Porphyrin and chlorophyll metabolism
C14818
FTH1
C14819
C00070
MT1A
C00038
C00070
ATOX1
C00070
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C00009
C00305
C01330
C01330
SLC8A1
C00076
ATP2B1
C00076
CLCN2
C00698
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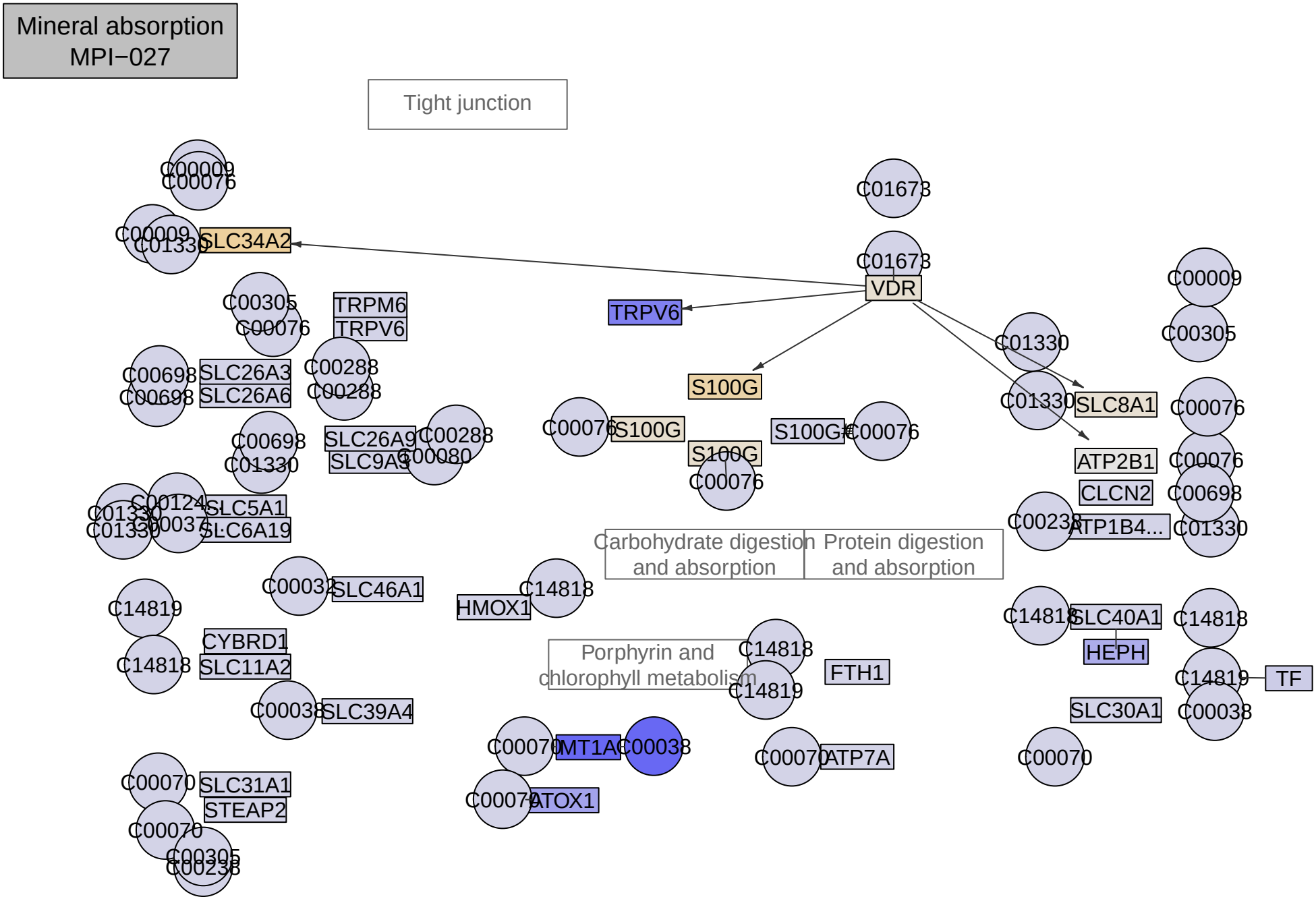
Mineral absorption
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C01673
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TRPM6
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TRPV6
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C00698
C00698
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ATP2B1
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C01330
SLC5A1
SLC6A19
CLCN2
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C00238
ATP1B4...
C01330
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14818
HMOX1
C14819
C14818
SLC40A1
C14818
CYBRD1
C14818
SLC11A2
Porphyrin and chlorophyll metabolism
C14818
C14819
FTH1
HEPH
C14819
TF
C00038
SLC39A4
SLC30A1
C00038
C00070
MT1A
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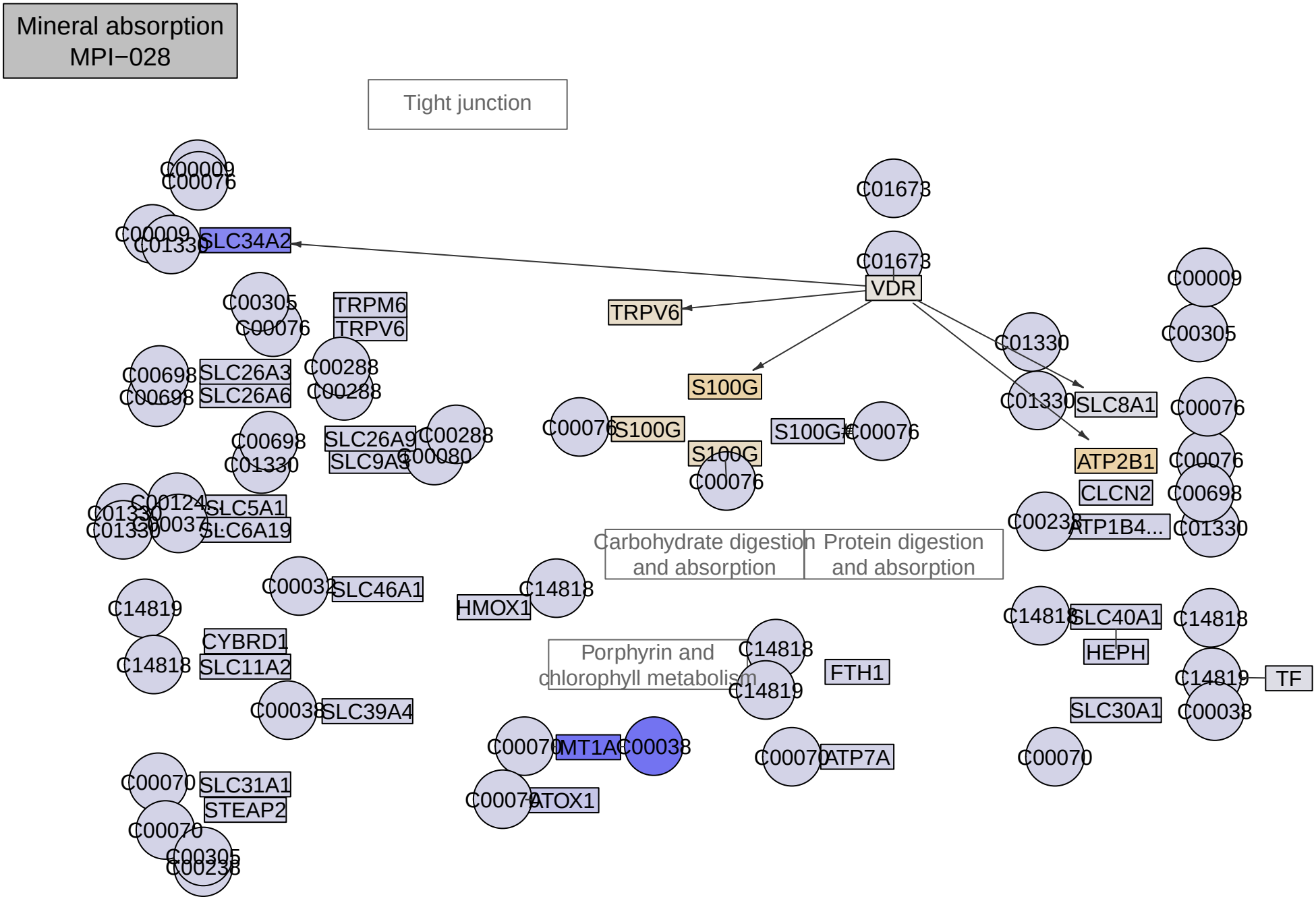
Mineral absorption
MPI−028
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SLC34A2
C01673
C01673
VDR
TRPV6
C00009
C00305
C01330
C01330
SLC8A1
C00076
ATP2B1
C00076
CLCN2
C00698
C00238
ATP1B4...
C01330
C00305
TRPM6
TRPV6
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SLC26A3
C00698
SLC26A6
C00288
C00288
S100G
C00076
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C00080
C00124
C01330
C01330
SLC5A1
SLC6A19
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Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
C00038
SLC39A4
C14818
HMOX1
Porphyrin and chlorophyll metabolism
C14818
C14819
FTH1
C14818
SLC40A1
HEPH
C14818
C14819
TF
SLC30A1
C00038
C00070
SLC31A1
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ATP7A
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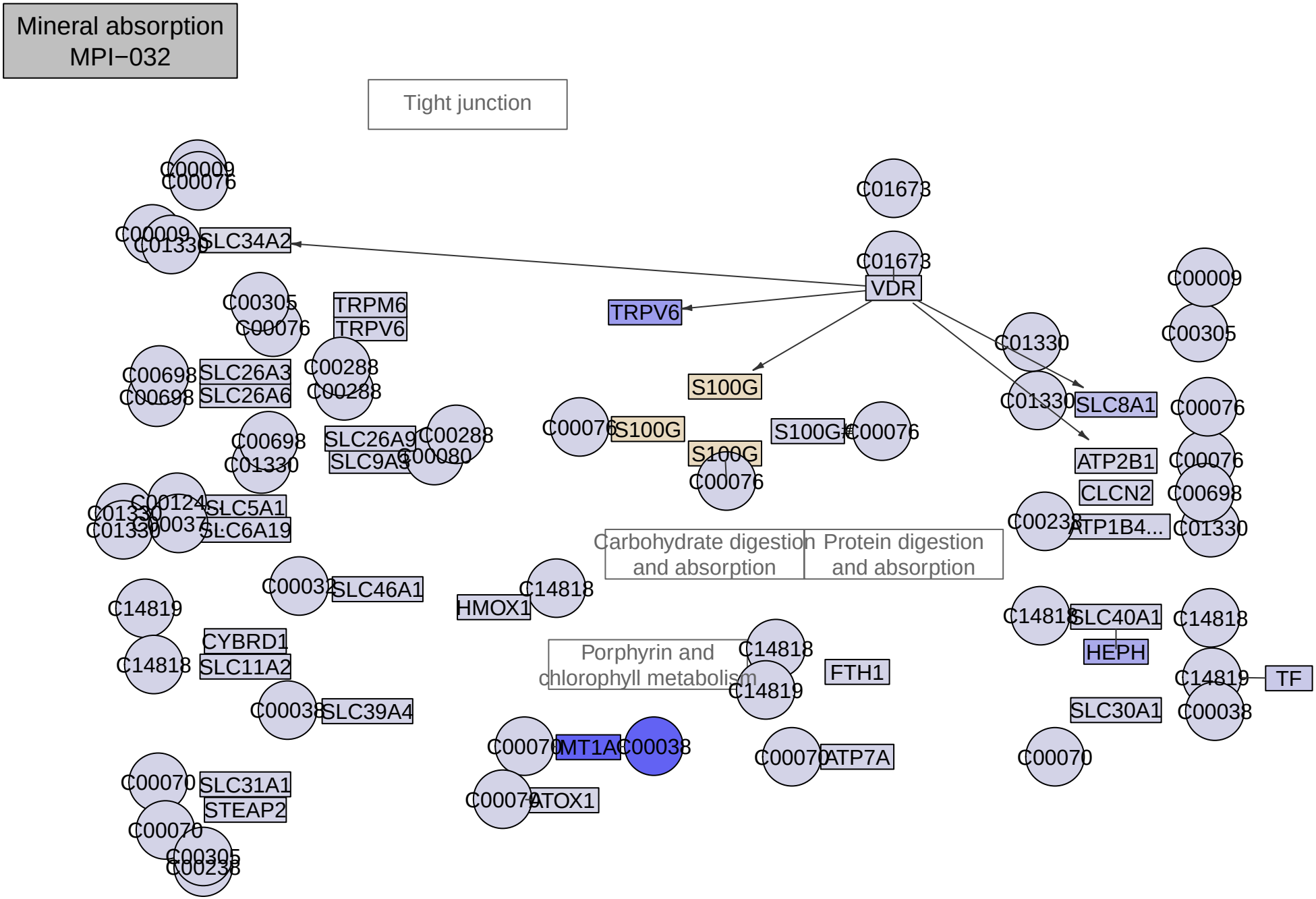
Mineral absorption
MPI−032
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C01330
SLC34A2
C01673
C01673
VDR
C00009
C00305
C00305
C00076
TRPM6
TRPV6
TRPV6
C01330
C00698
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Protein digestion and absorption
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C14818
SLC11A2
Porphyrin and chlorophyll metabolism
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HEPH
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TF
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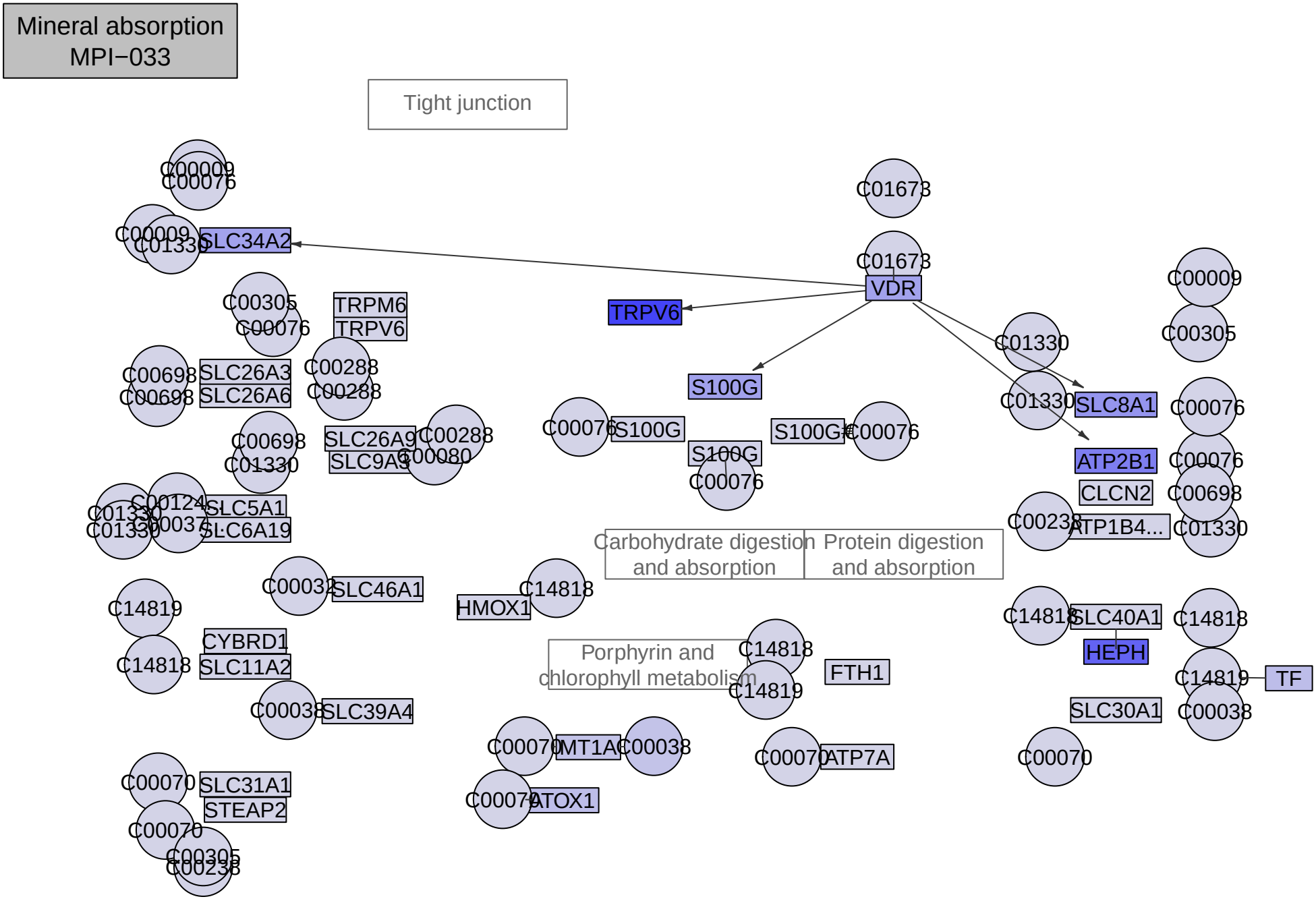
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Protein digestion and absorption
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SLC11A2
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Porphyrin and chlorophyll metabolism
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FTH1
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C14819
TF
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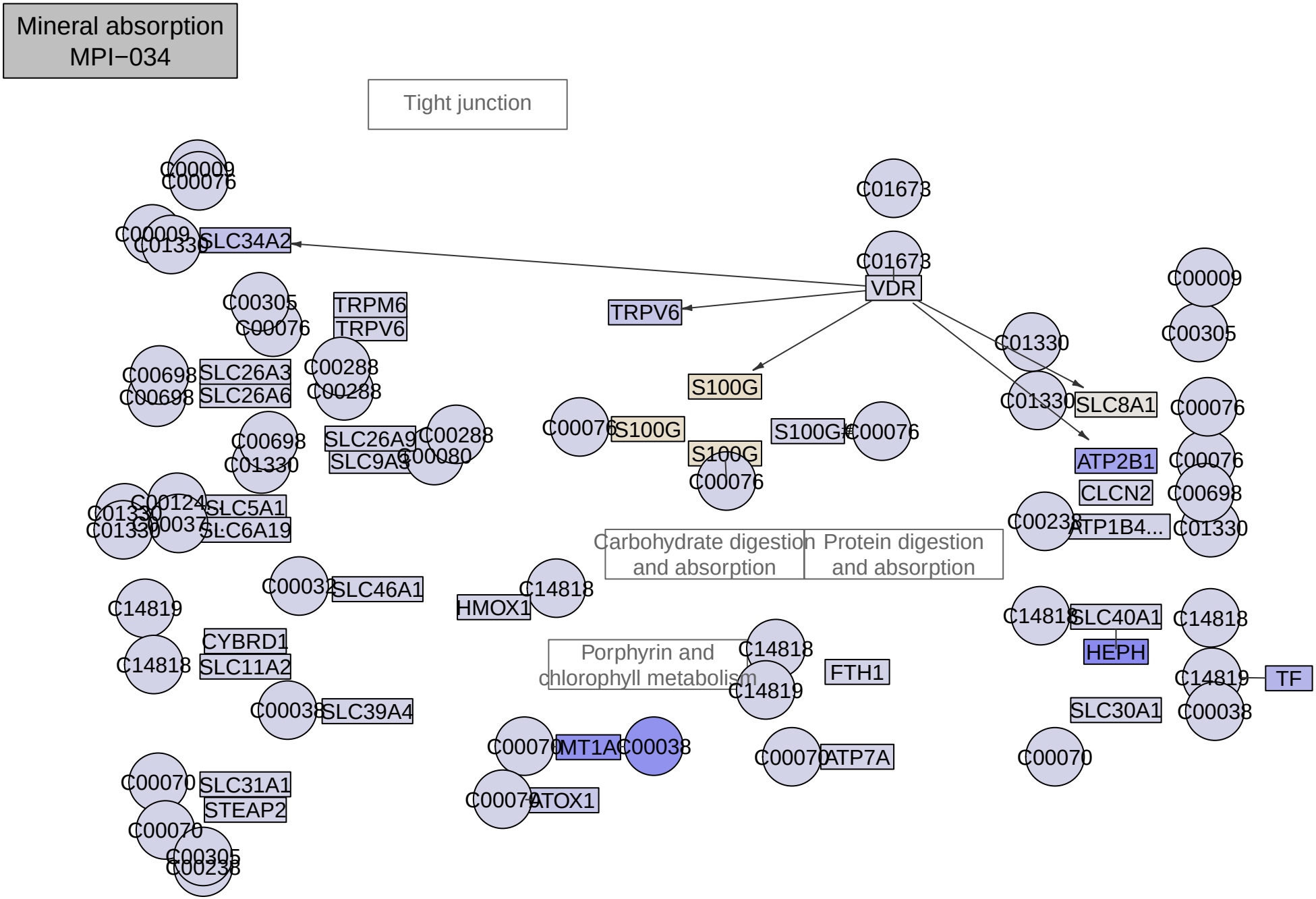
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TRPV6
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Protein digestion and absorption
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CYBRD1
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SLC11A2
Porphyrin and chlorophyll metabolism
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HEPH
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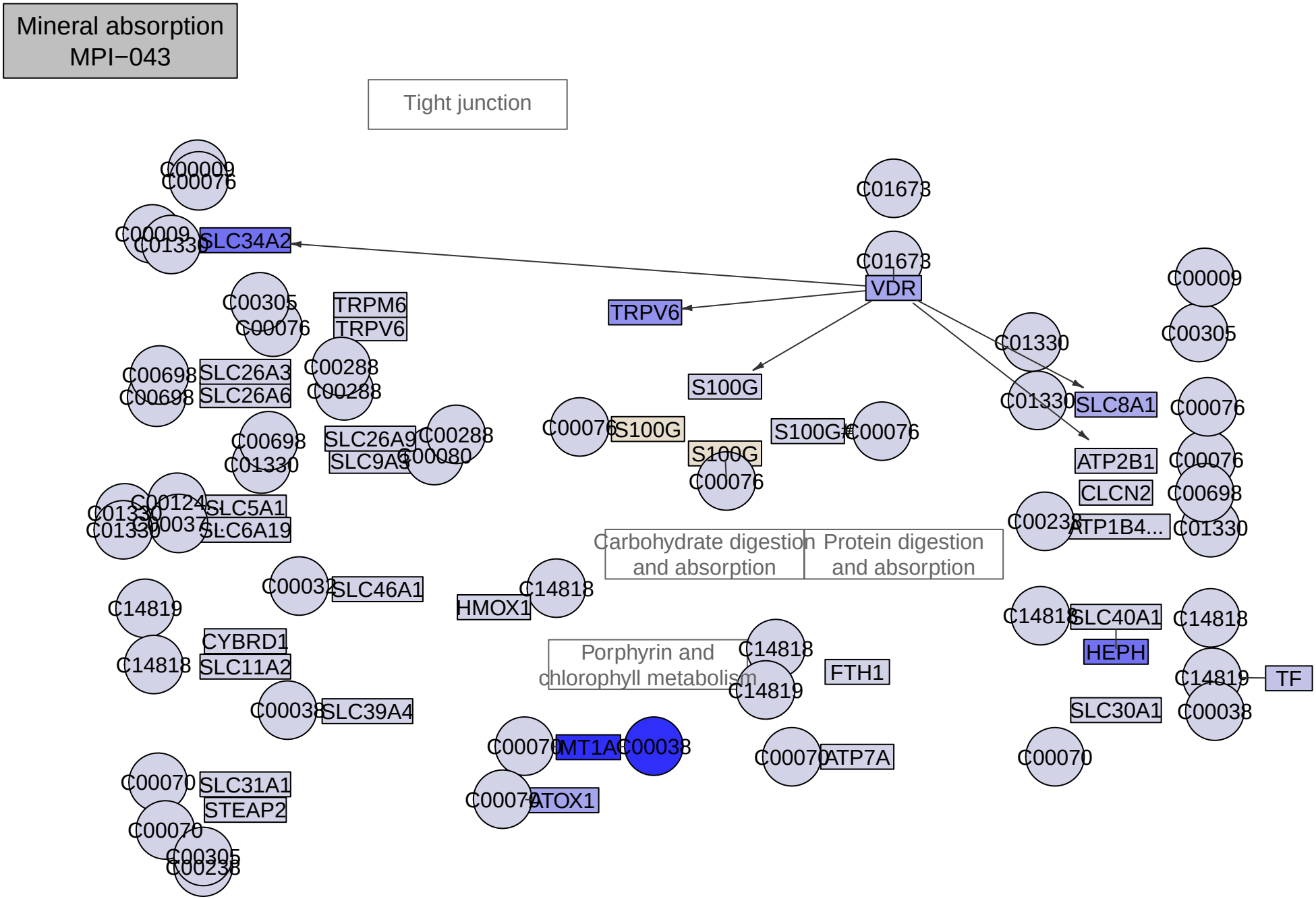
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TRPV6
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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Porphyrin and chlorophyll metabolism
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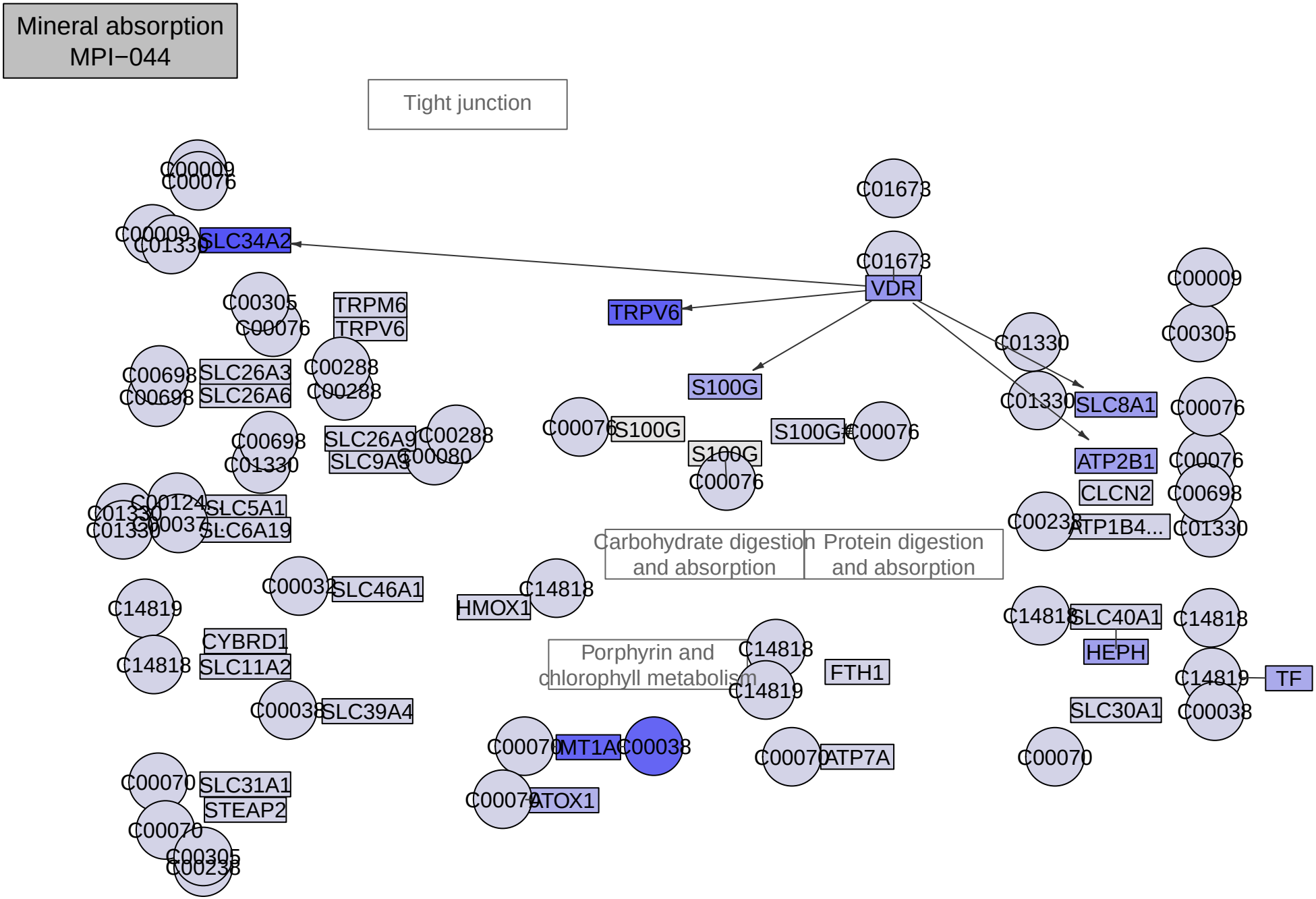
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TRPV6
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S100G
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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Porphyrin and chlorophyll metabolism
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HEPH
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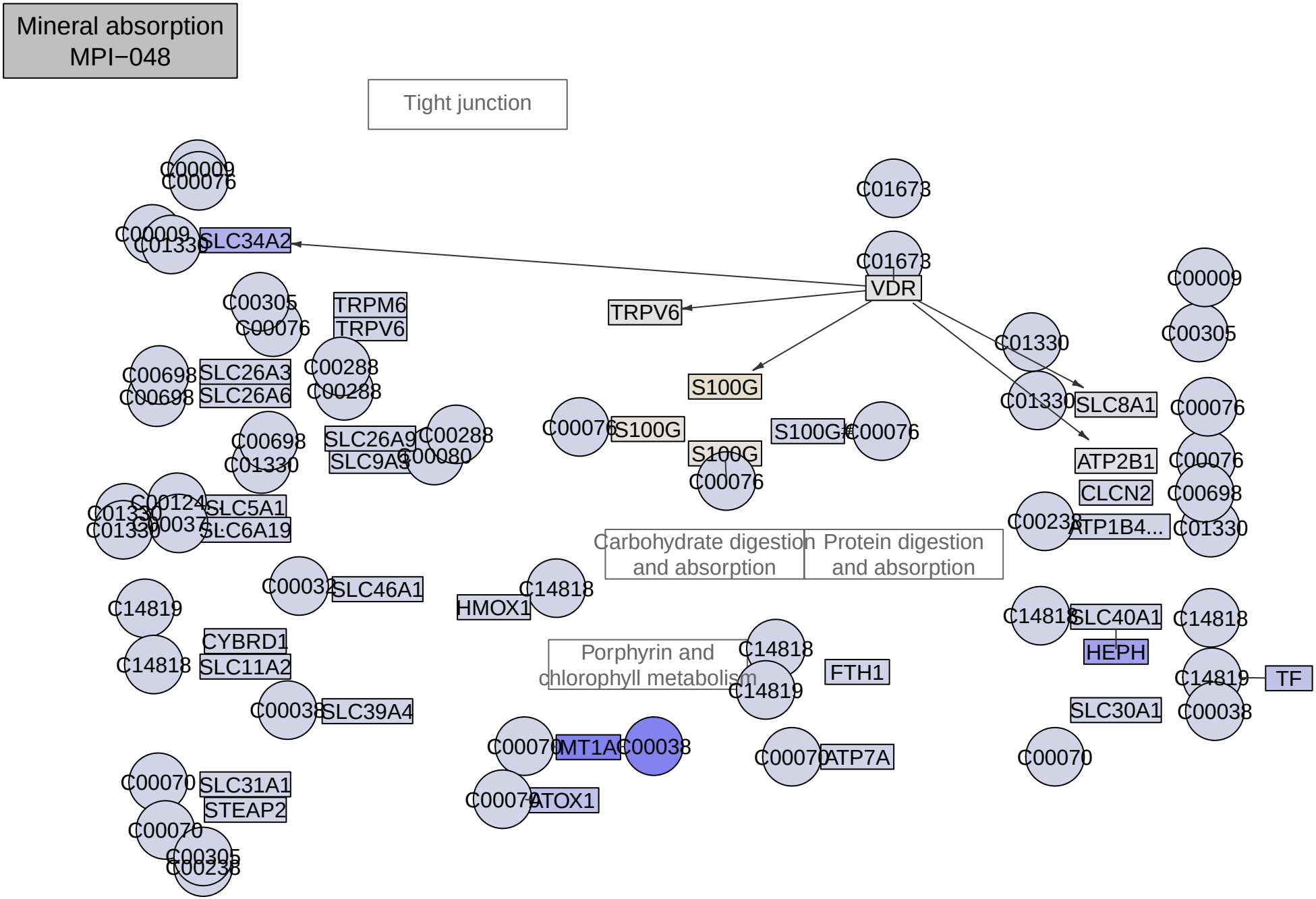
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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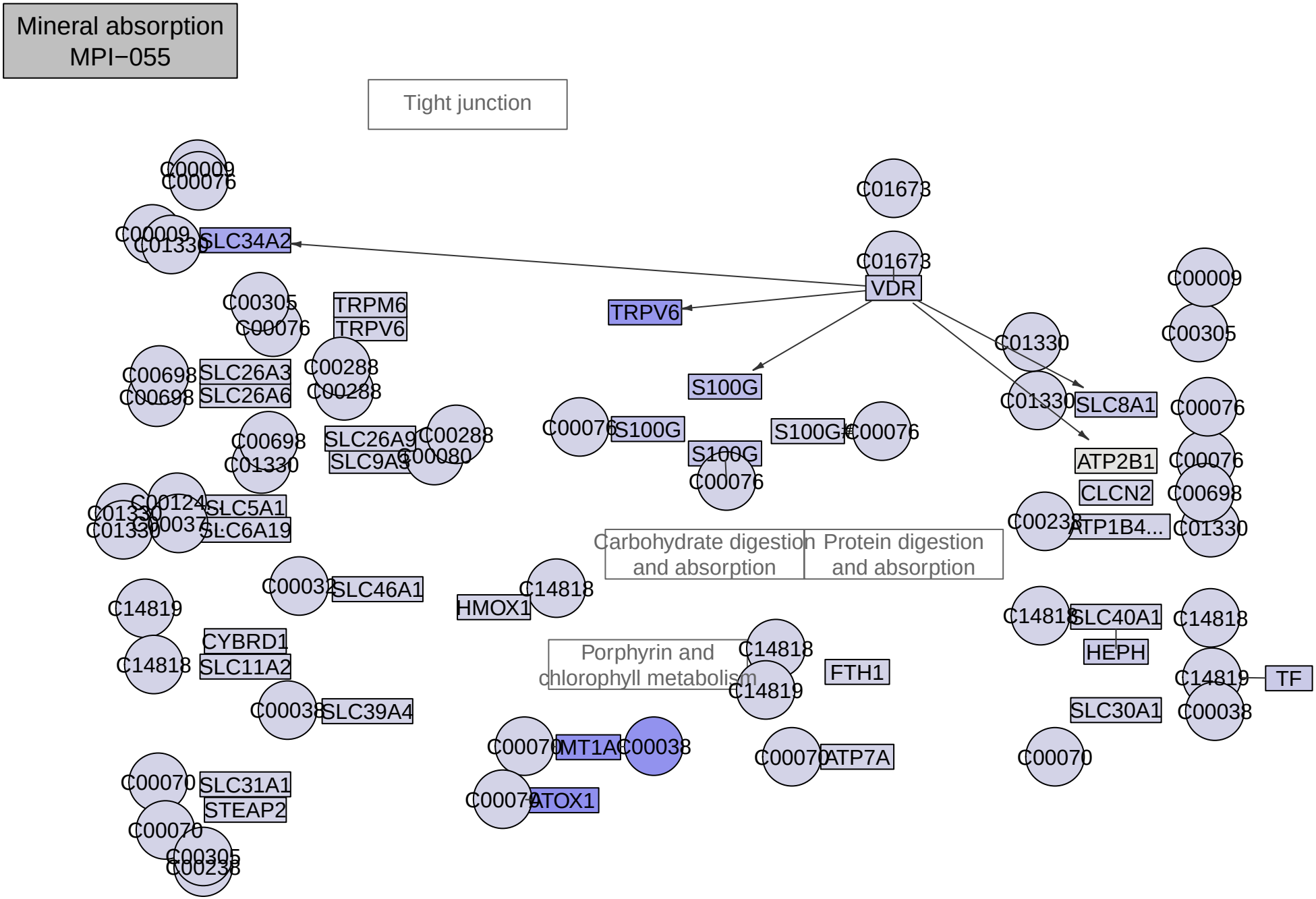
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CLCN2
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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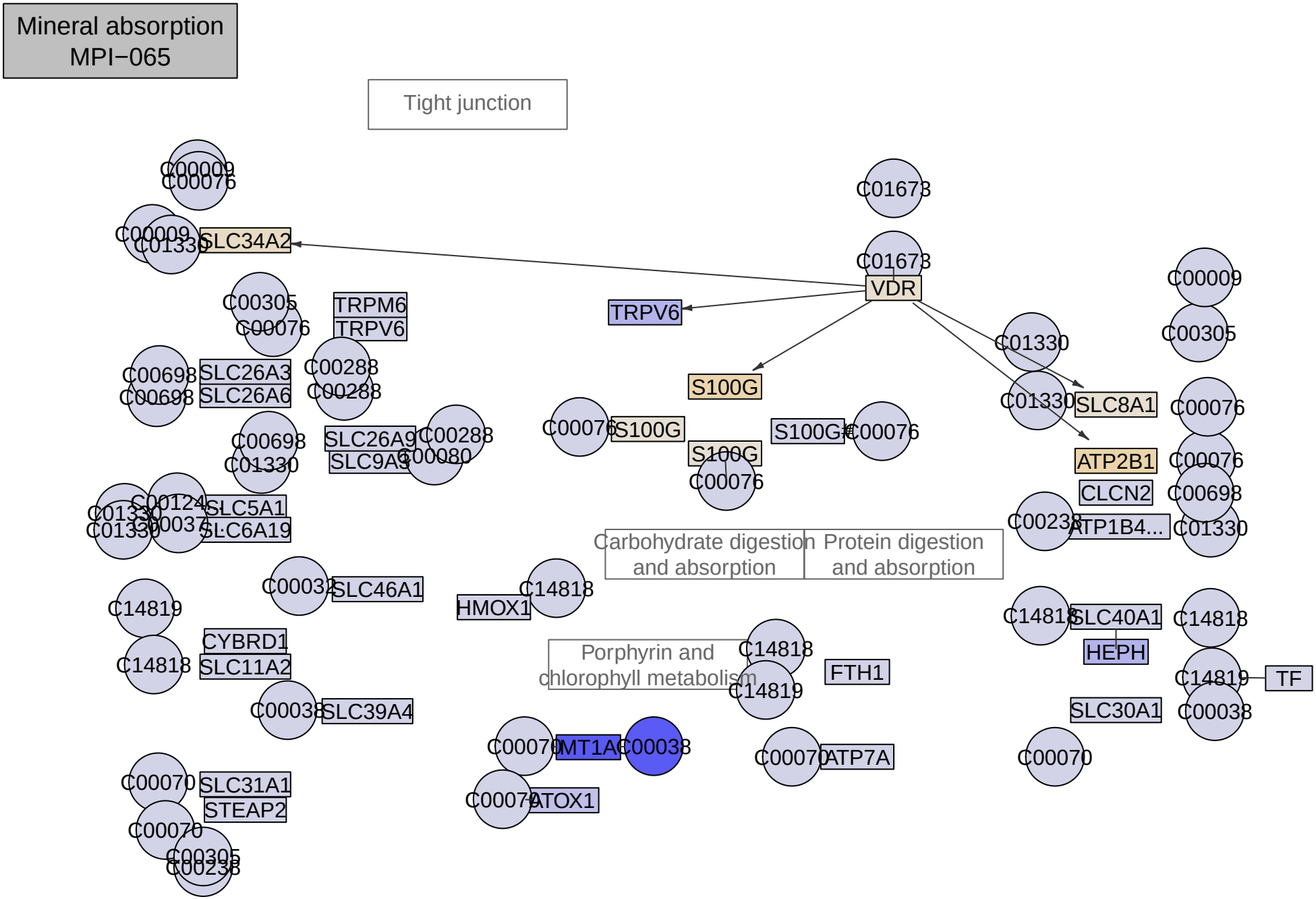
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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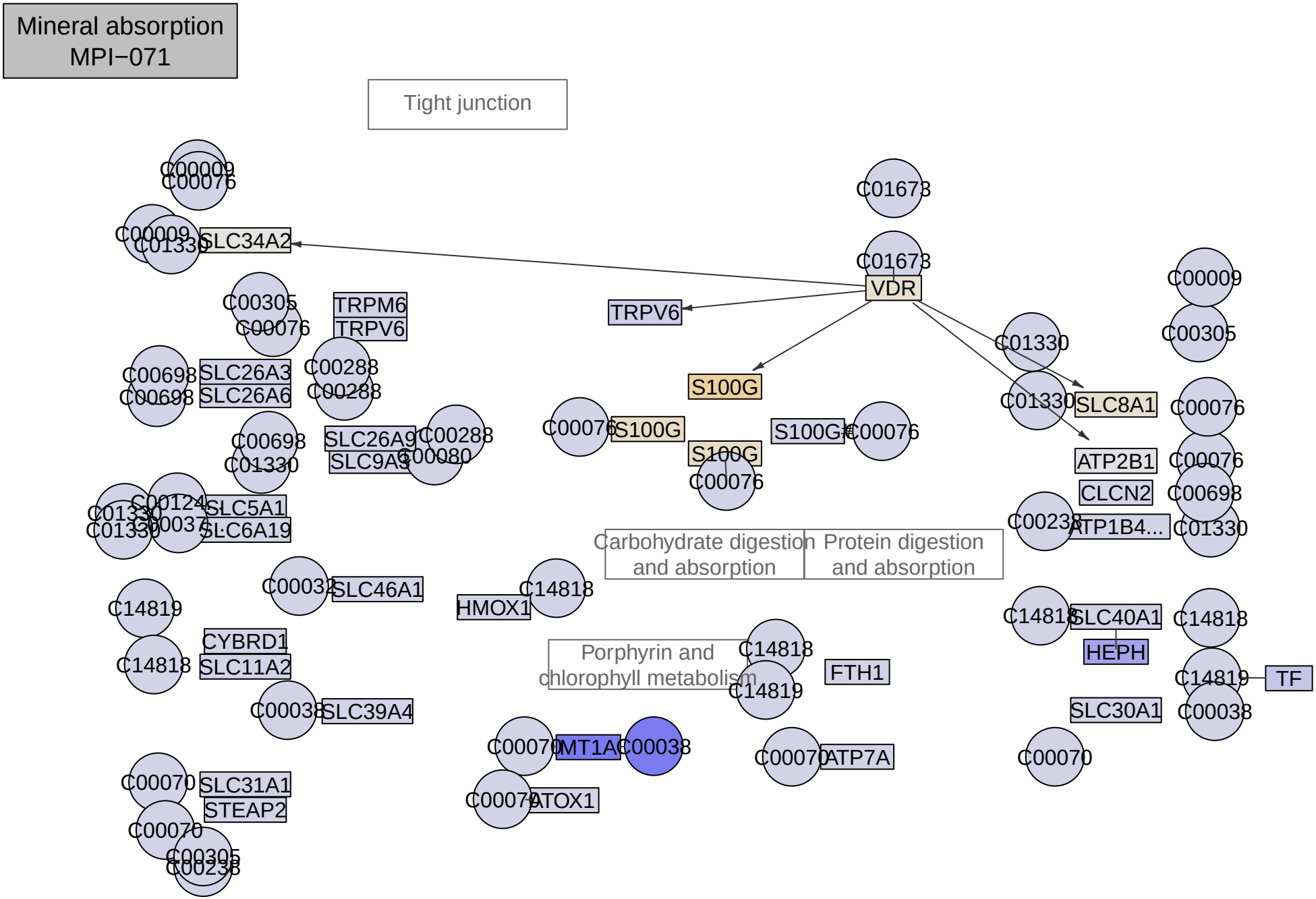
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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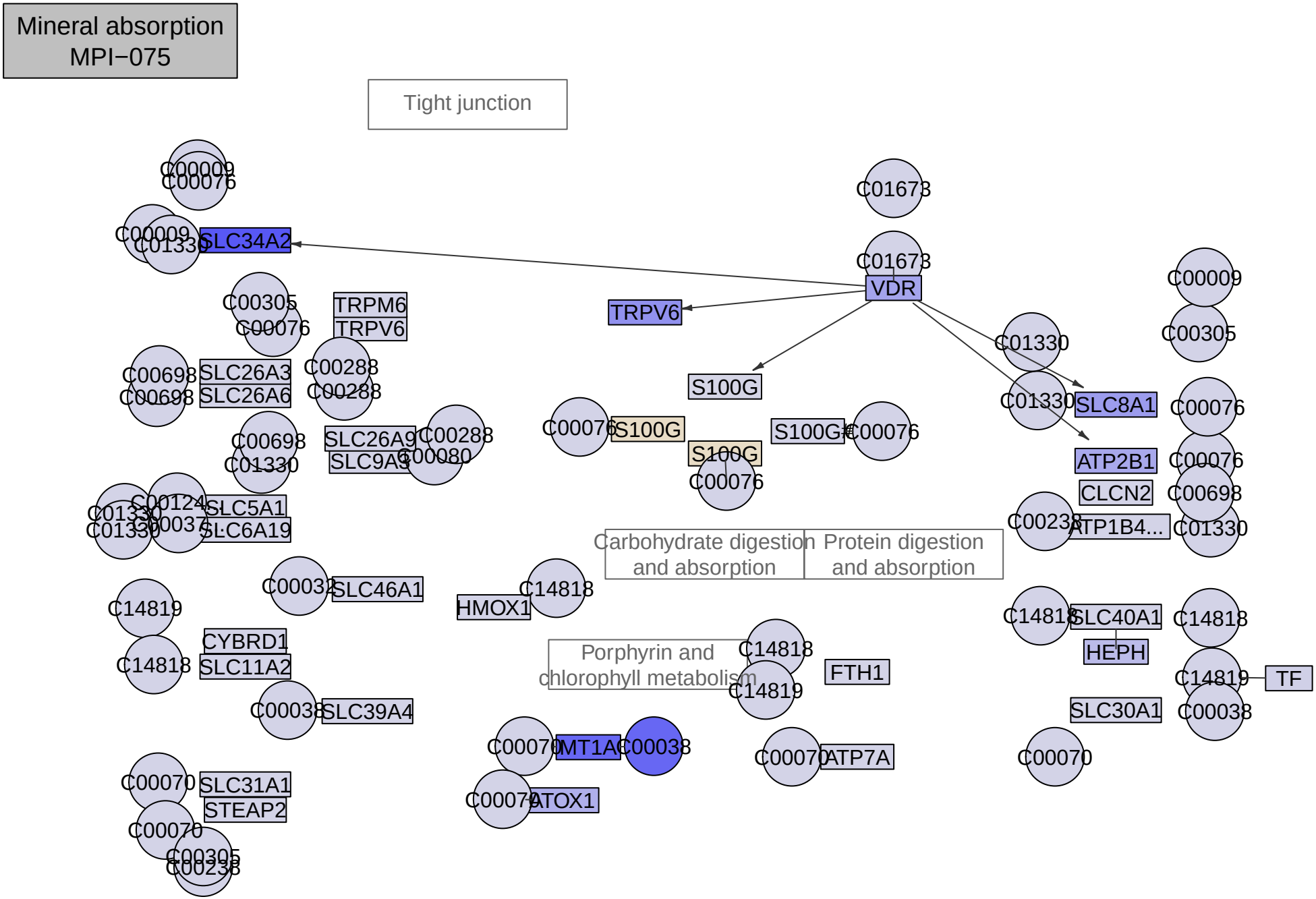
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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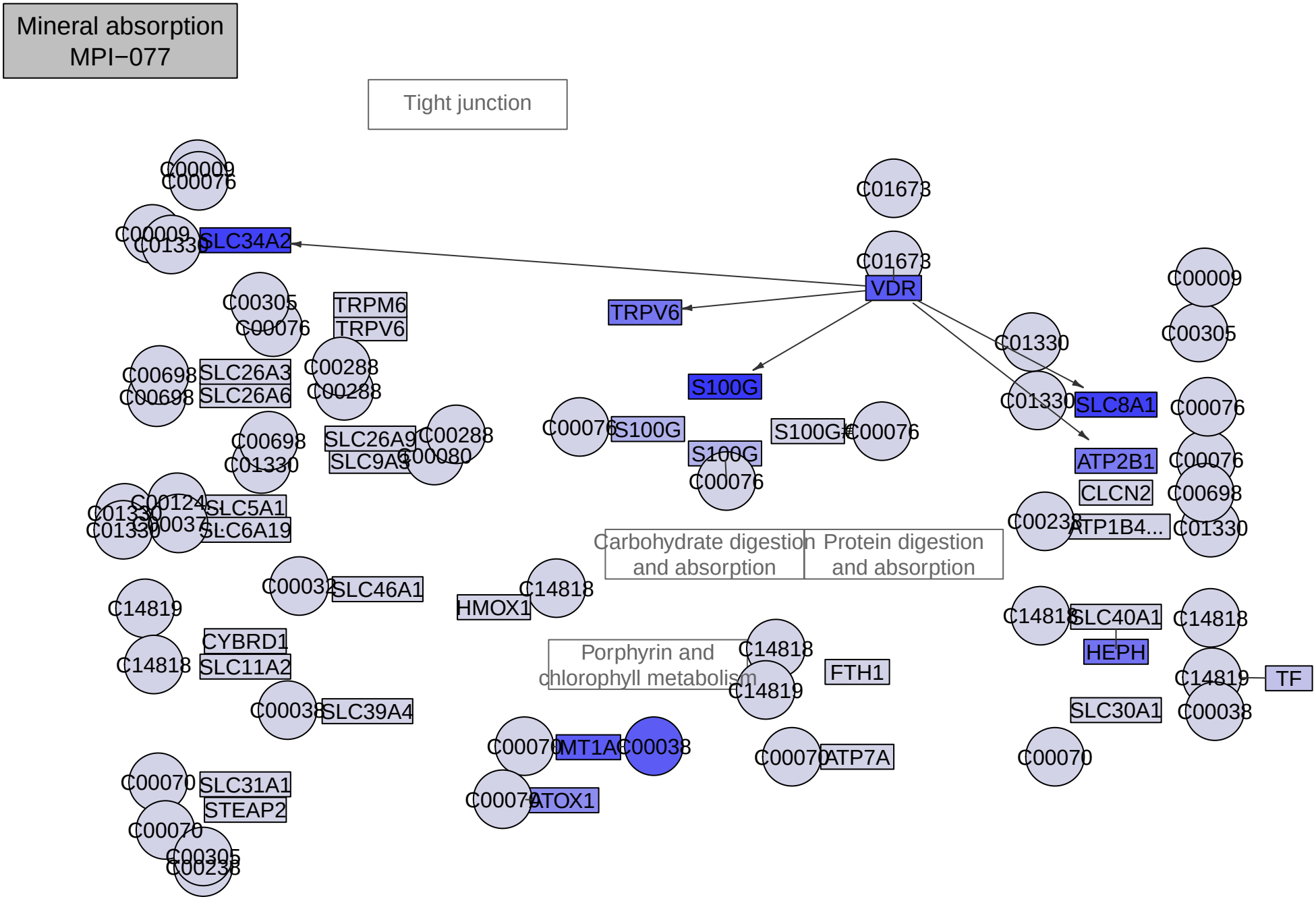
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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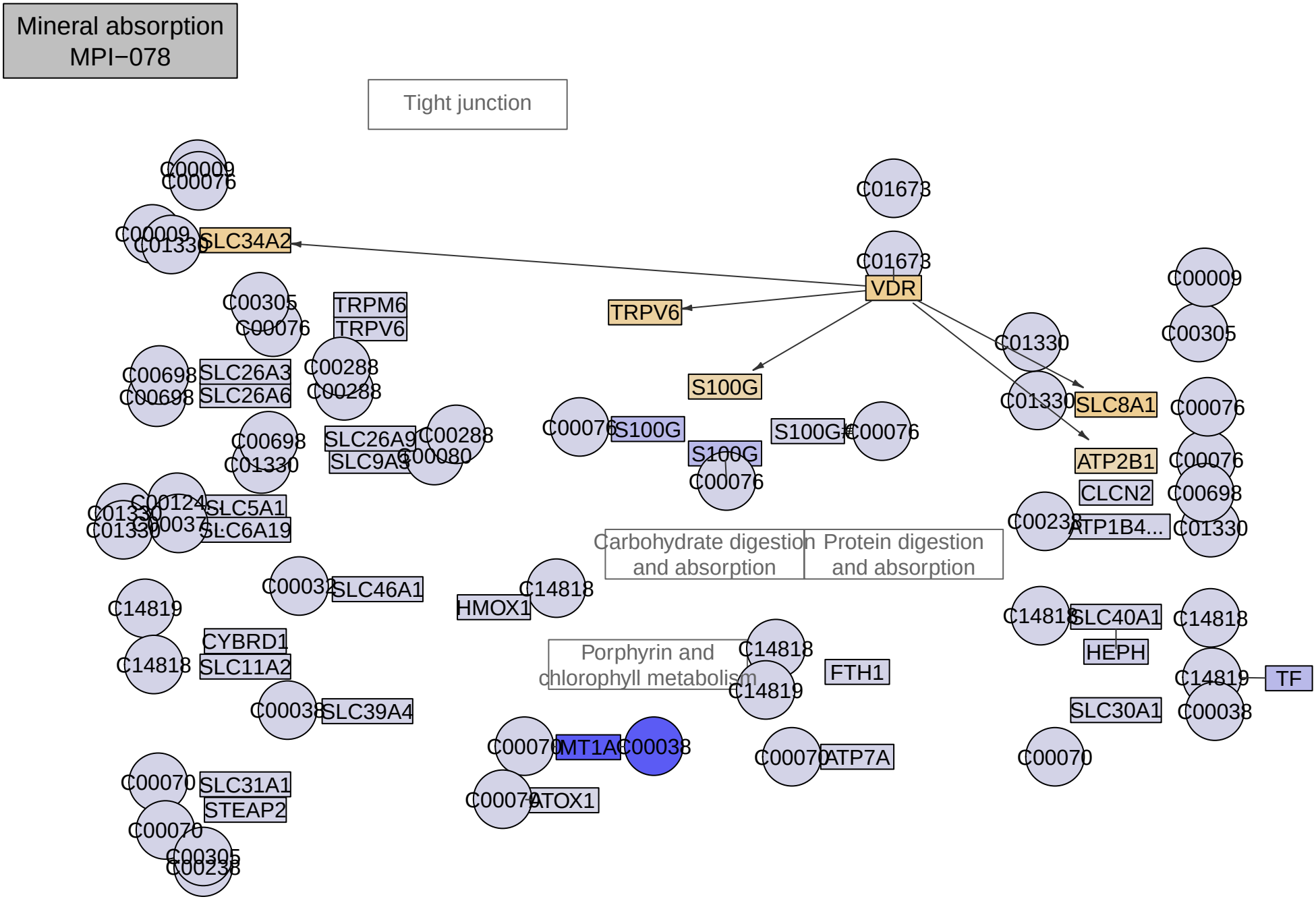
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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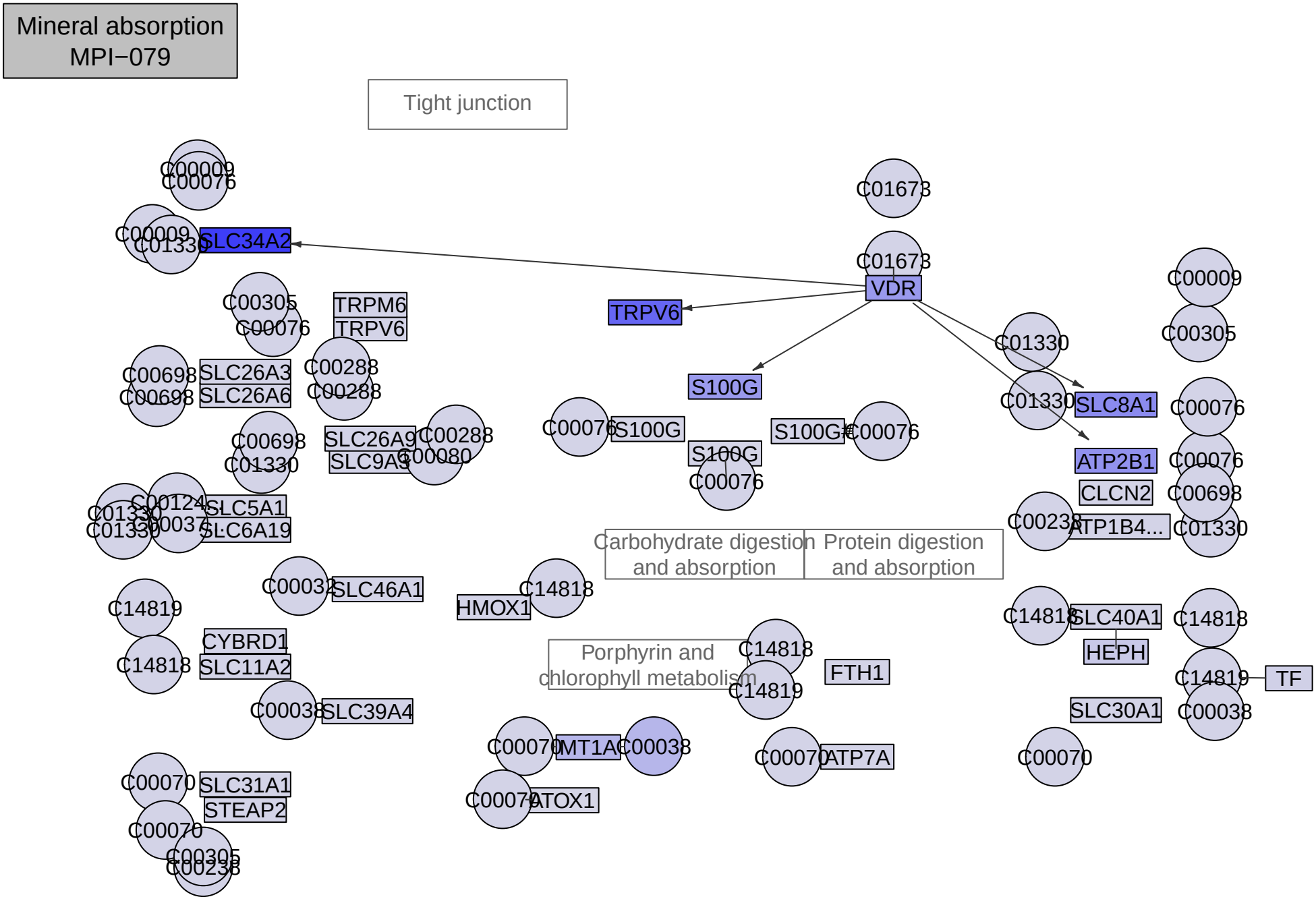
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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STEAP2
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ATOX1
C00070
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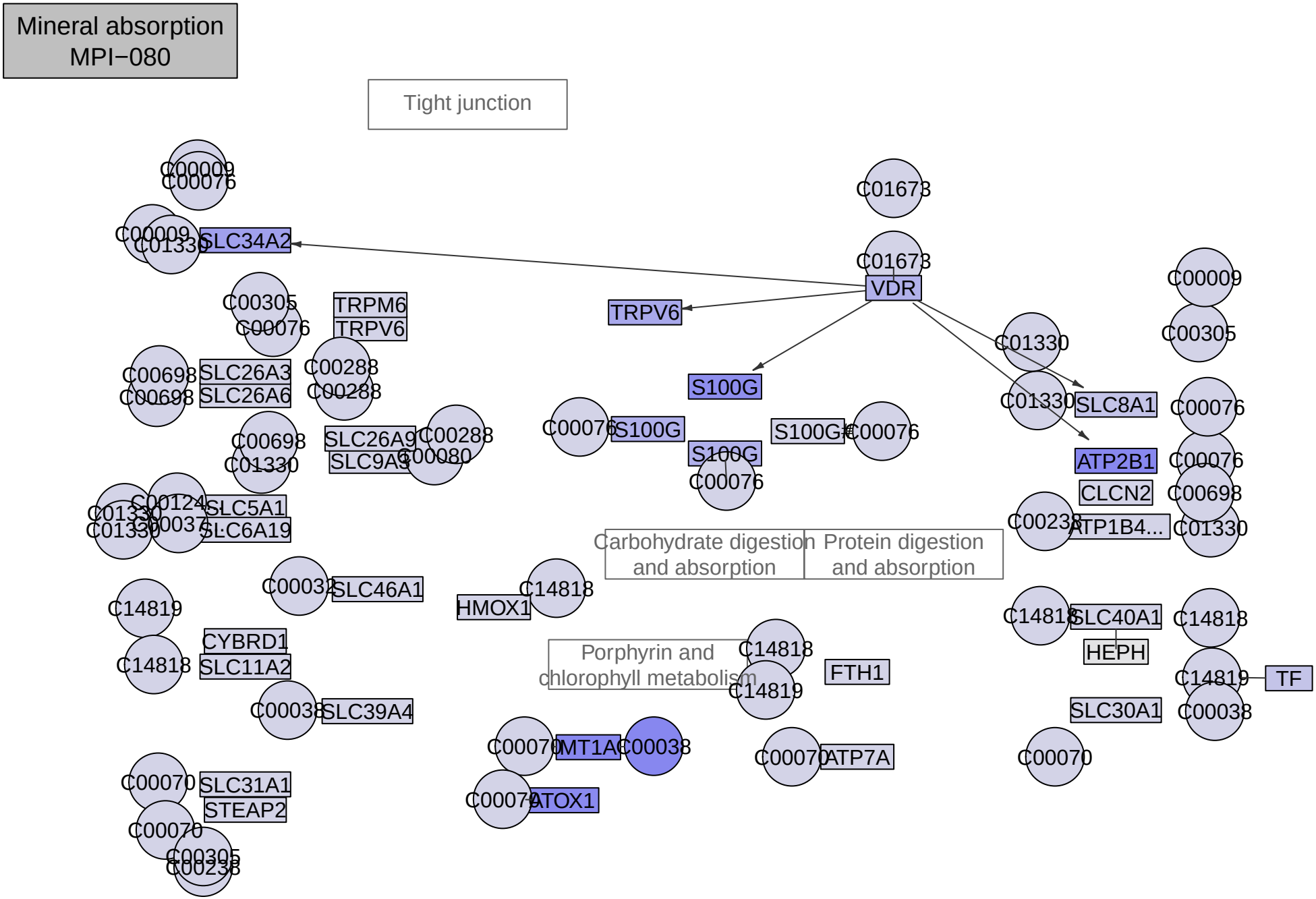
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Protein digestion and absorption
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SLC11A2
Porphyrin and chlorophyll metabolism
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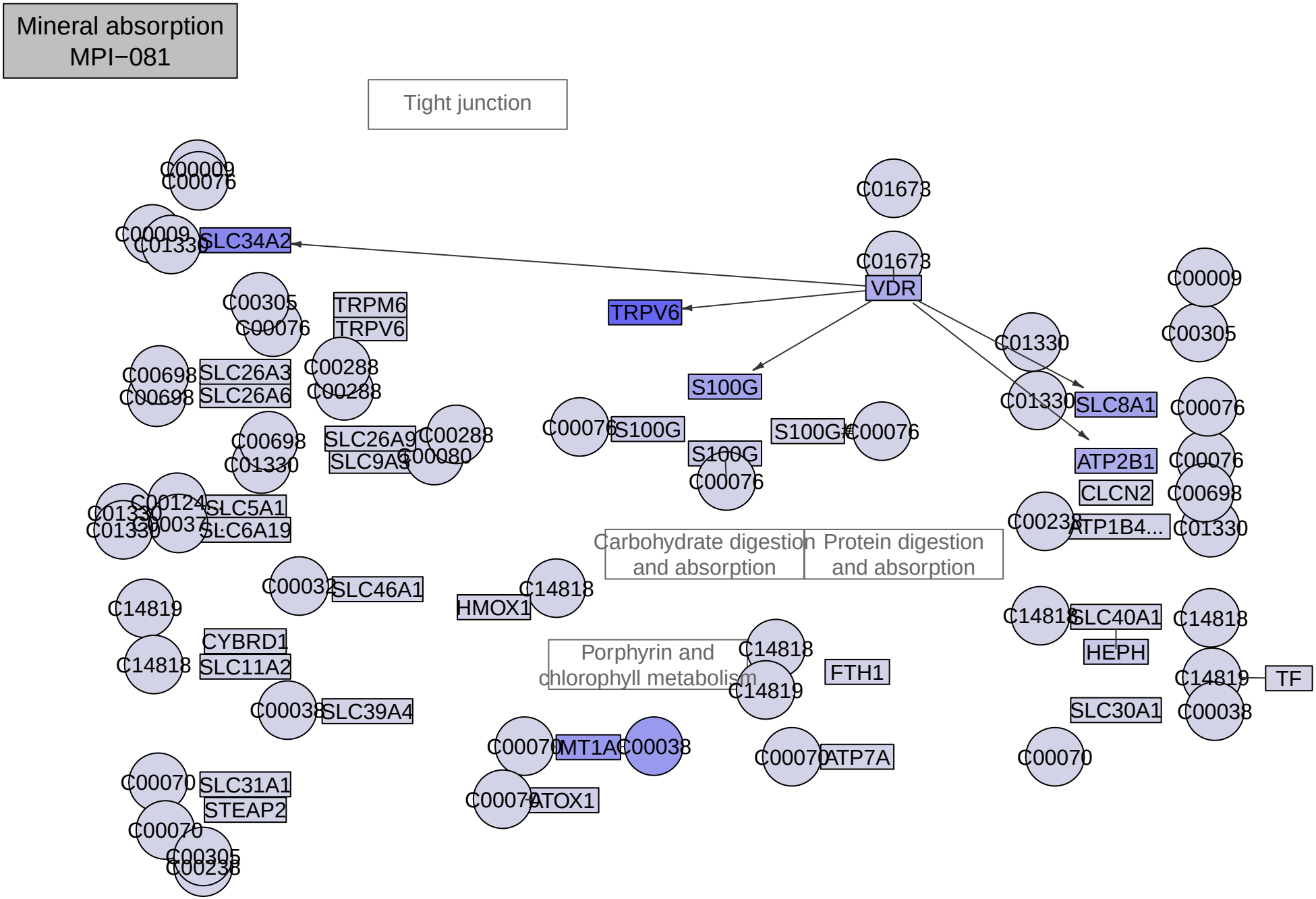
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Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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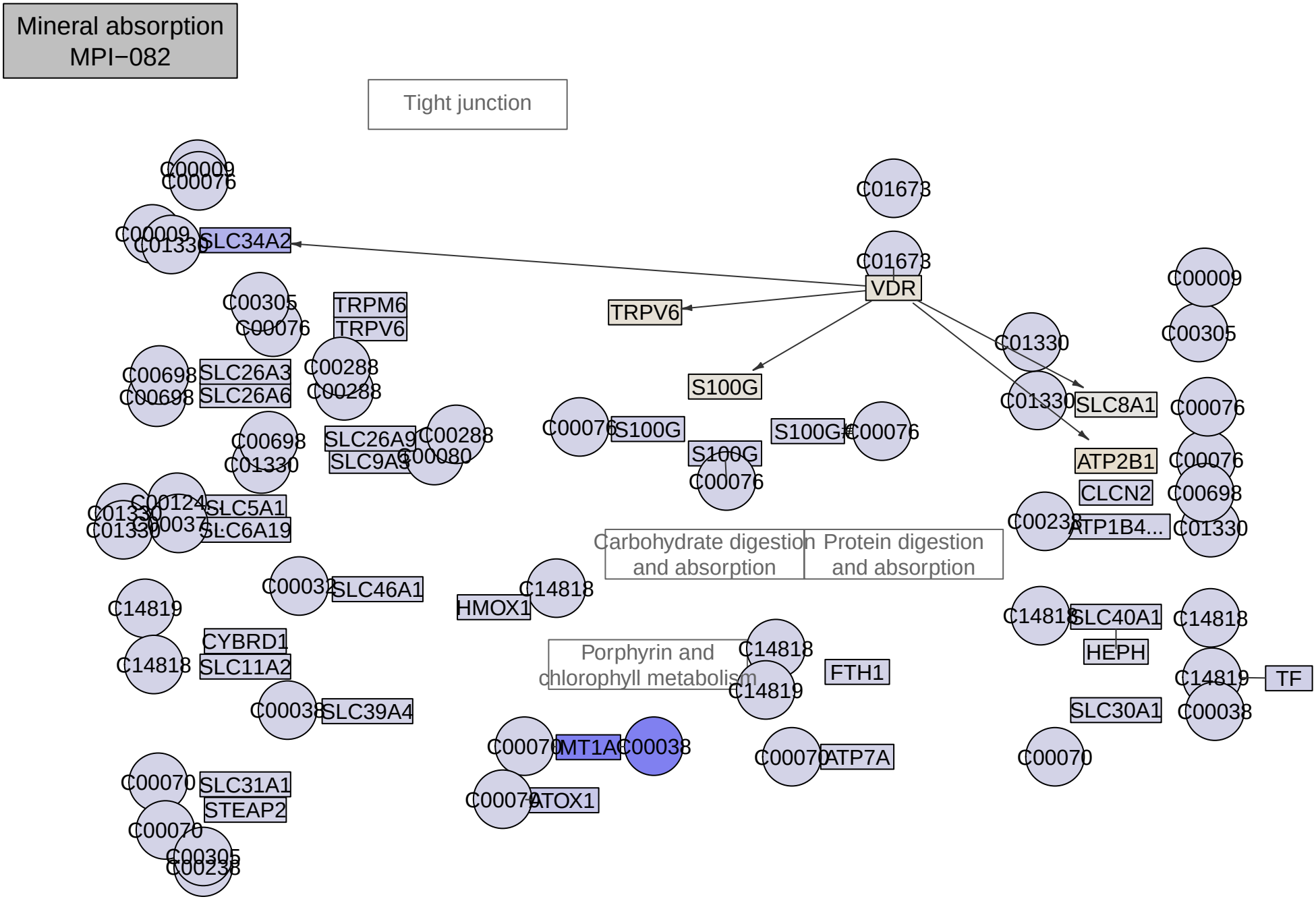
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CYBRD1
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FTH1
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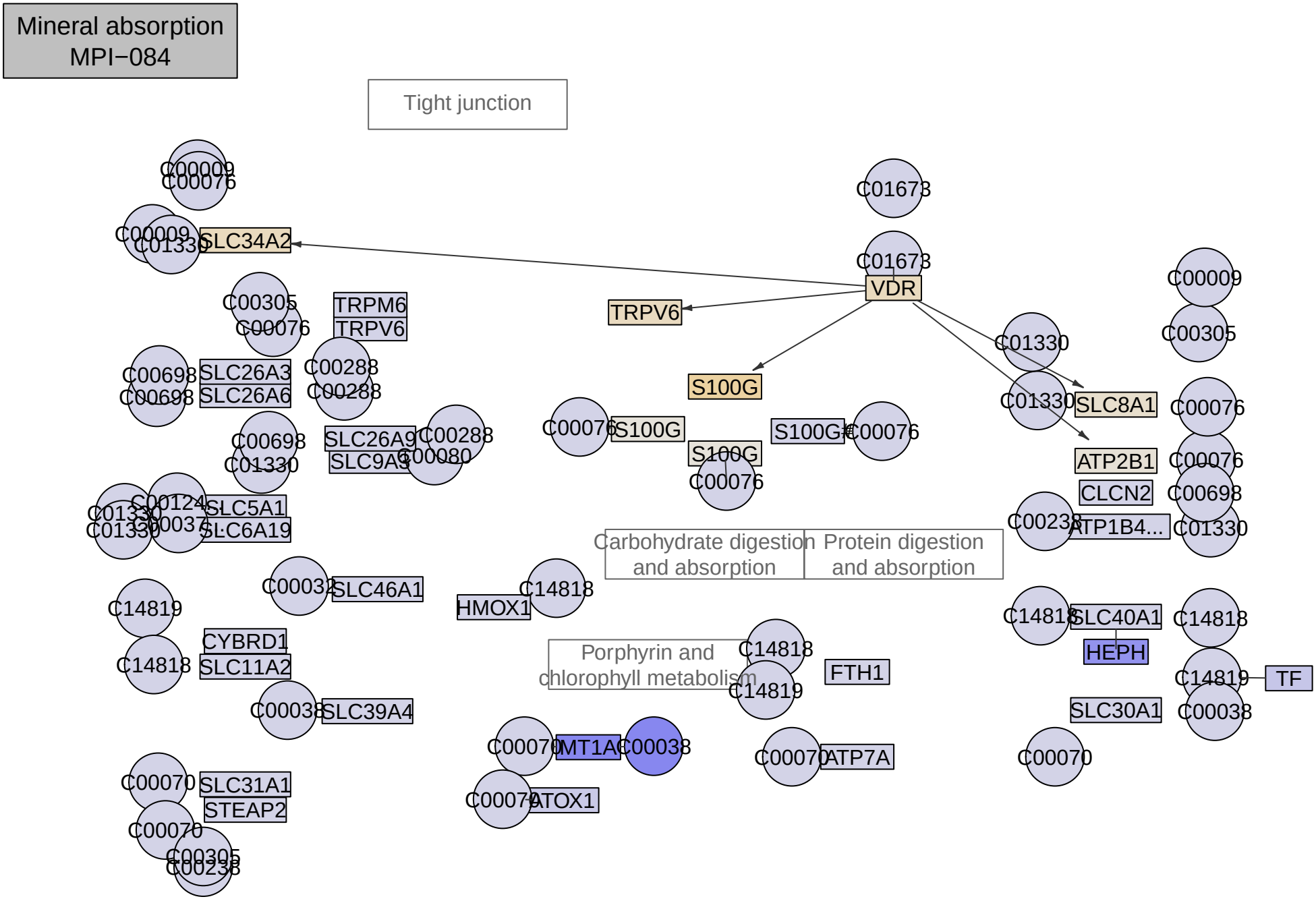
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Carbohydrate digestion and absorption
Protein digestion and absorption
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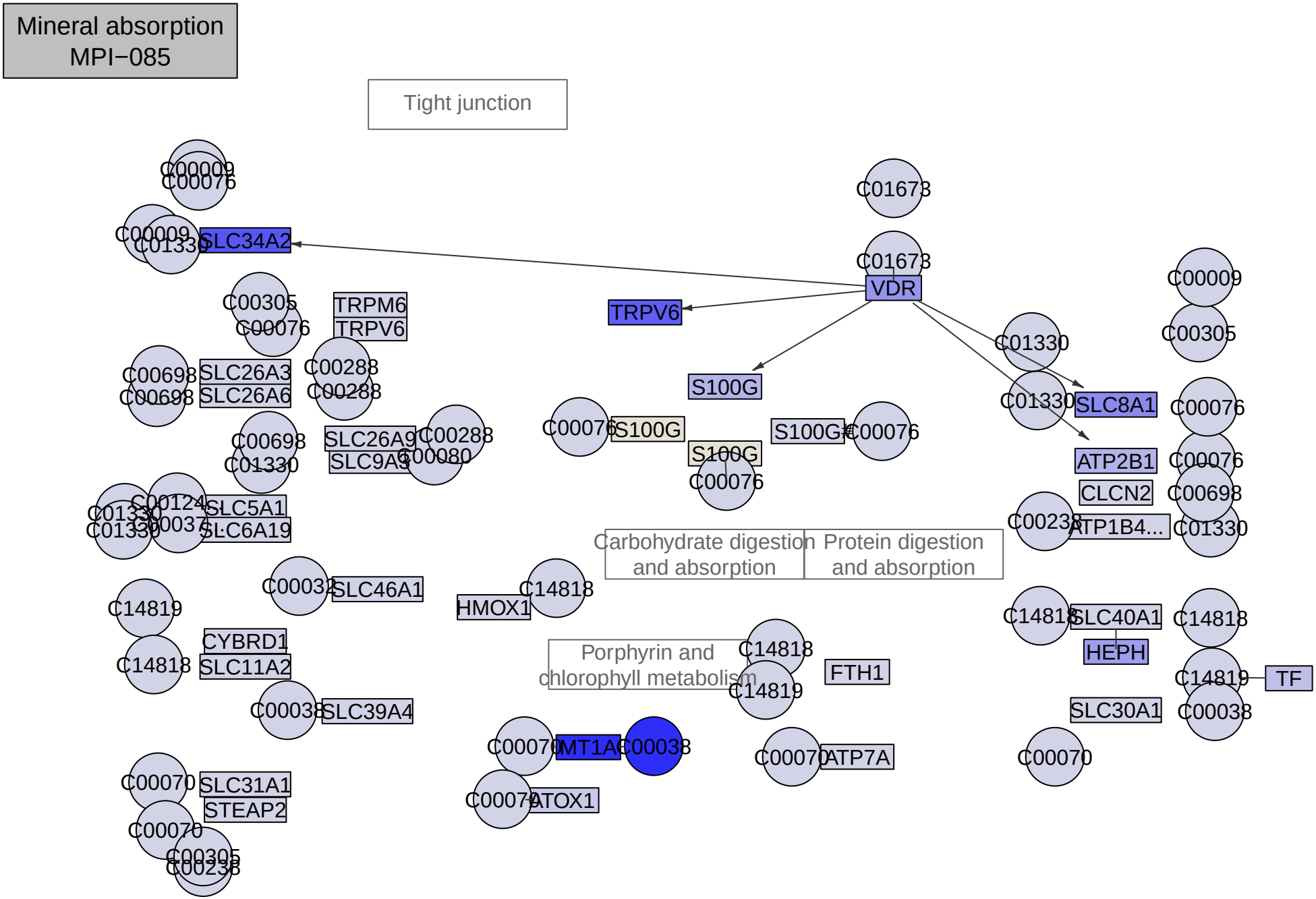
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Porphyrin and chlorophyll metabolism
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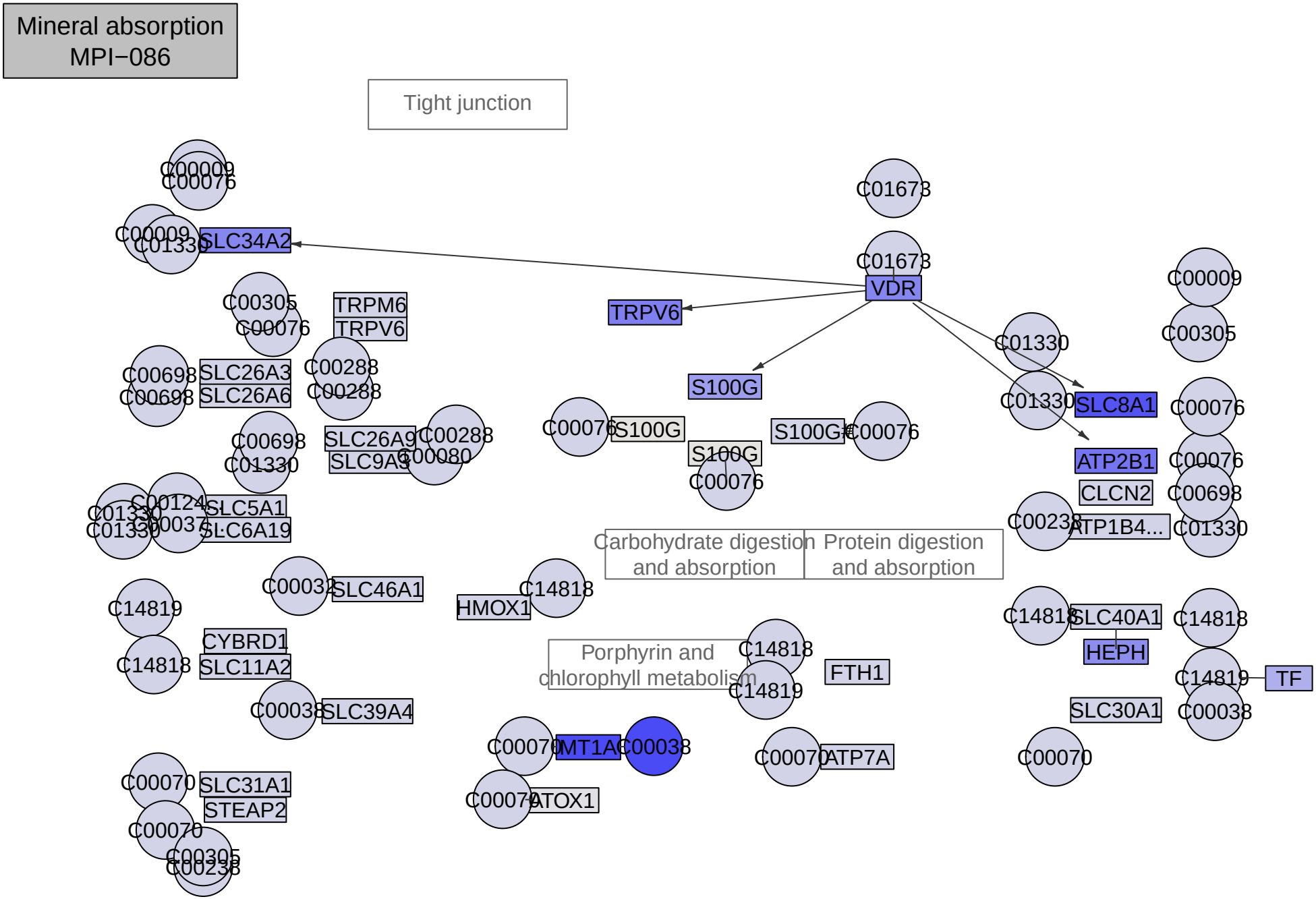
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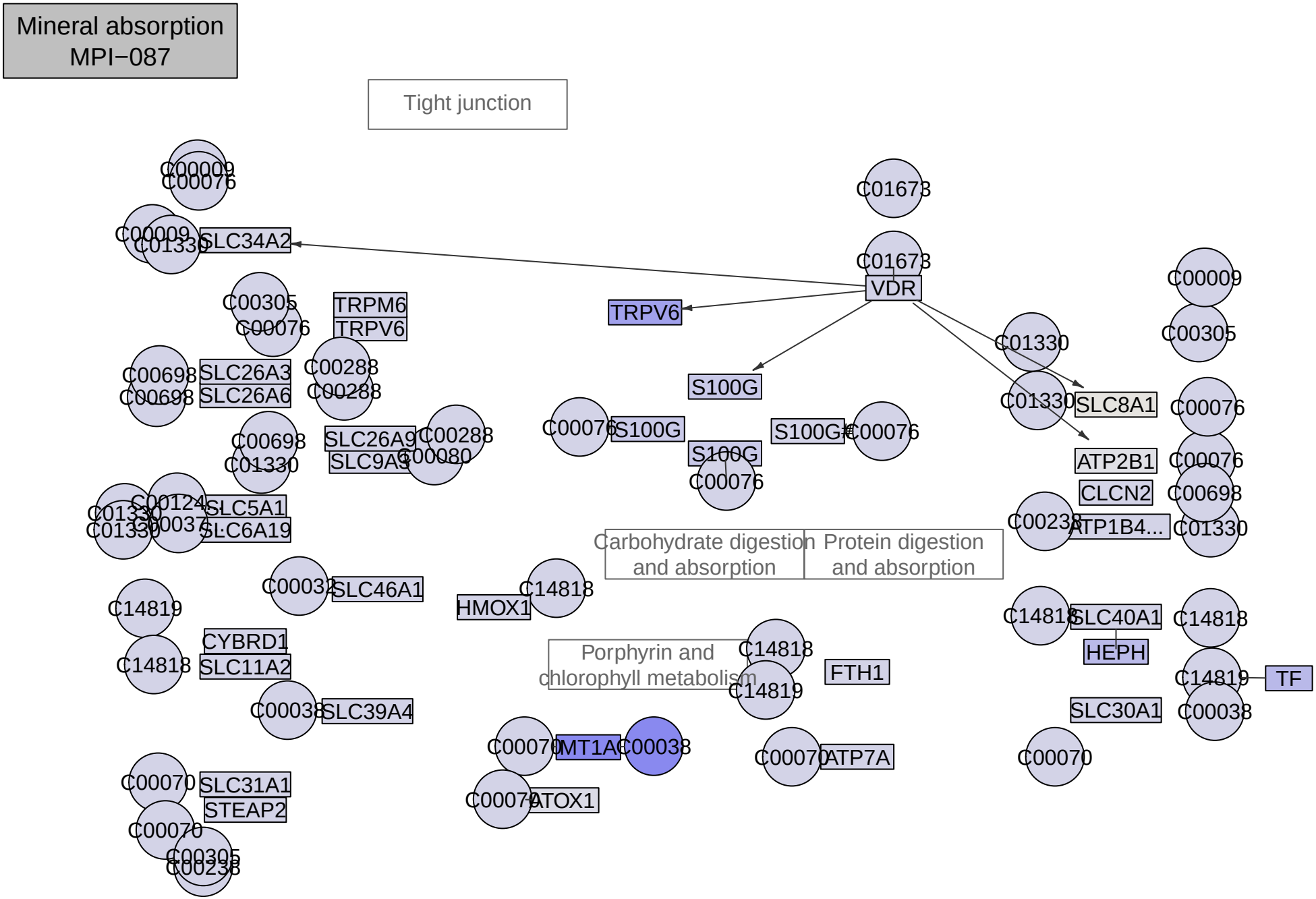
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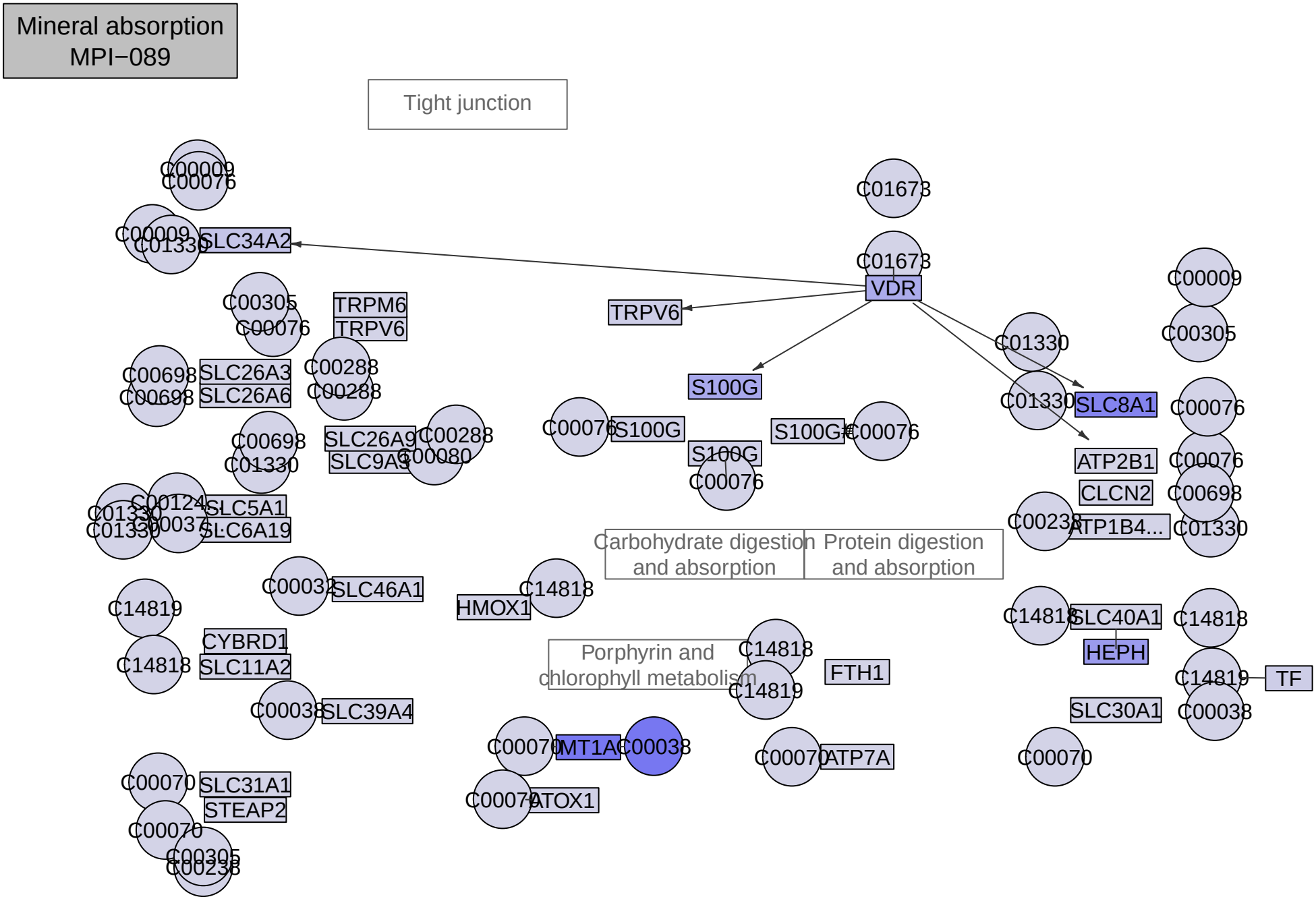
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Protein digestion and absorption
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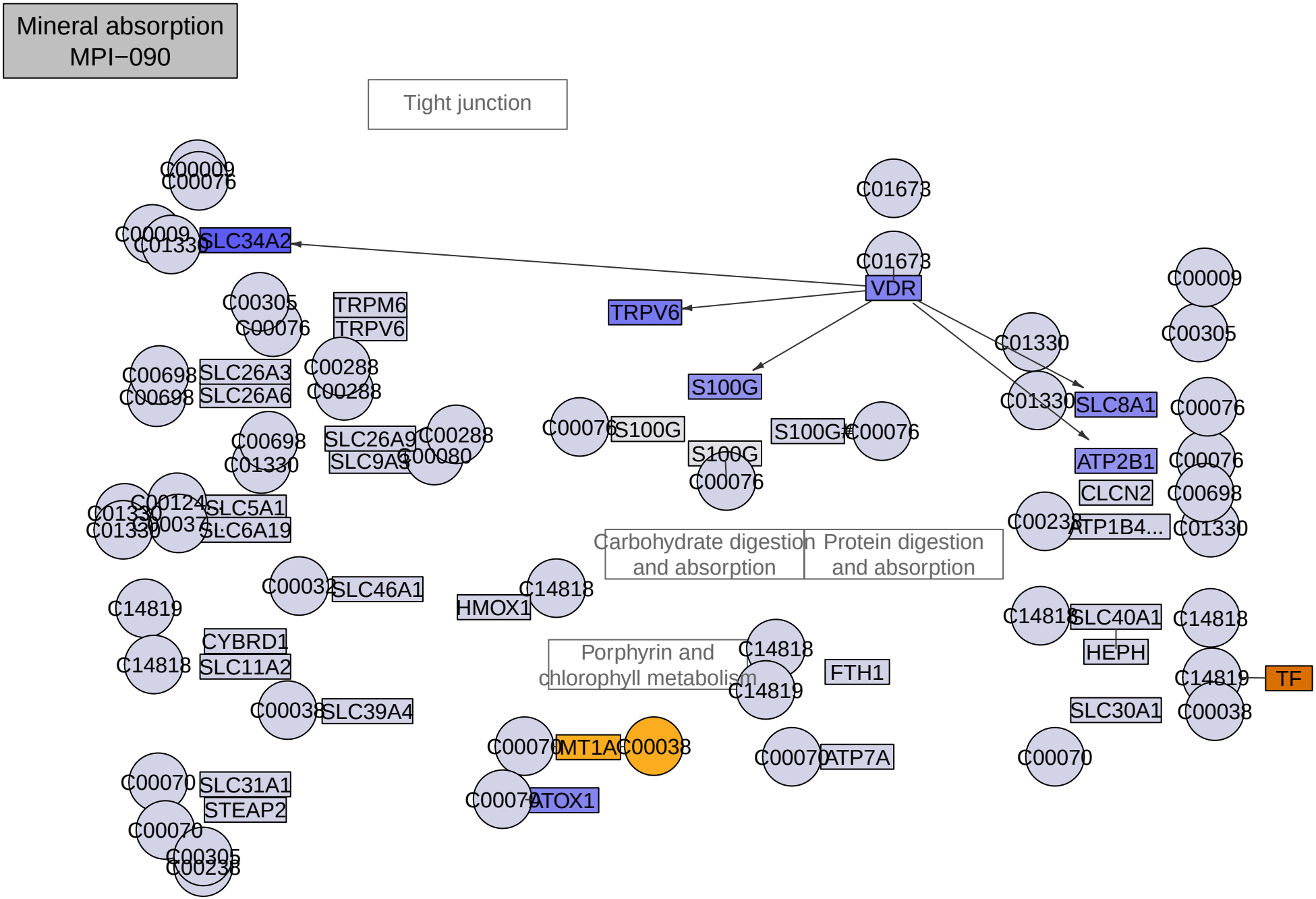
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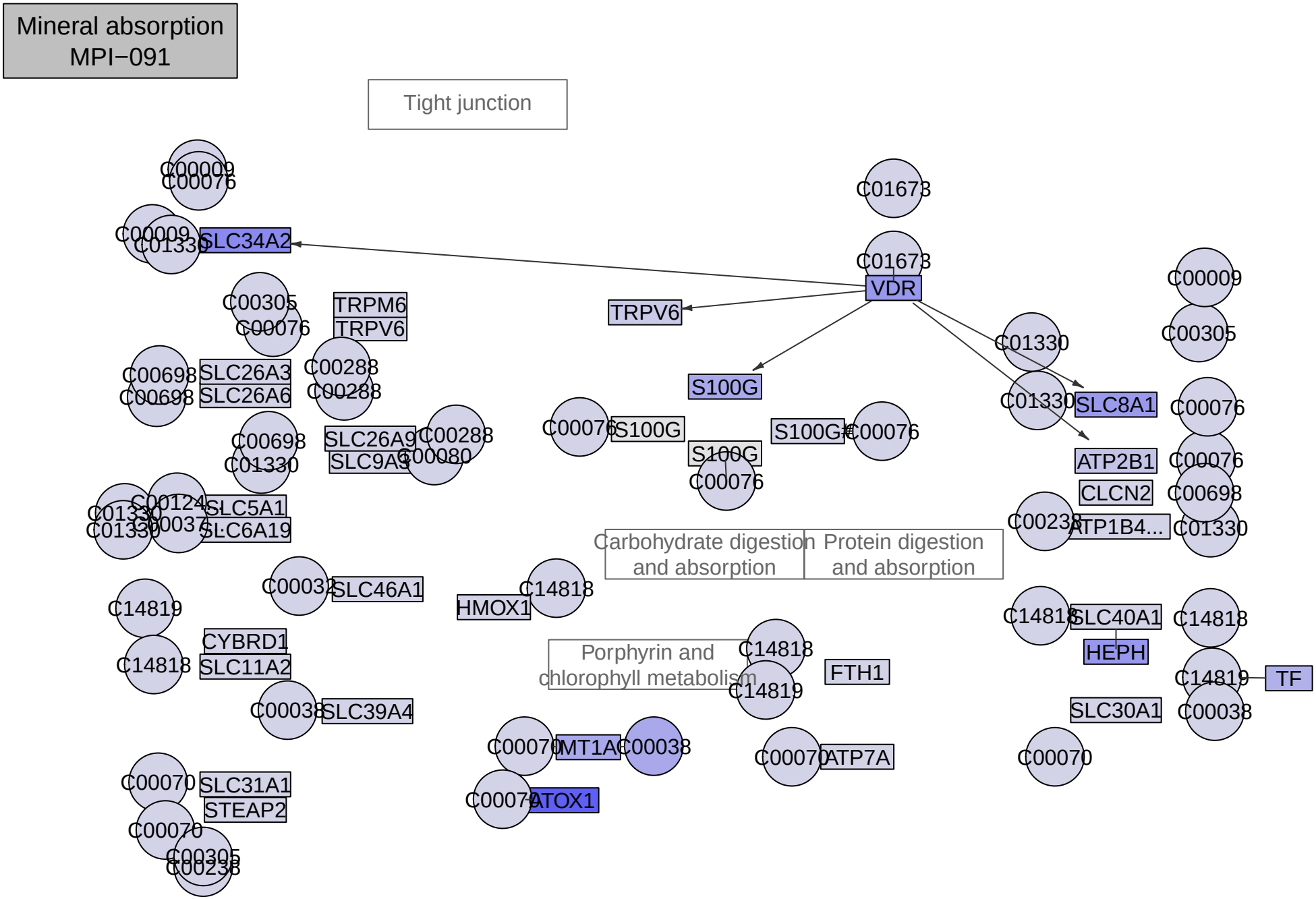
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Protein digestion and absorption
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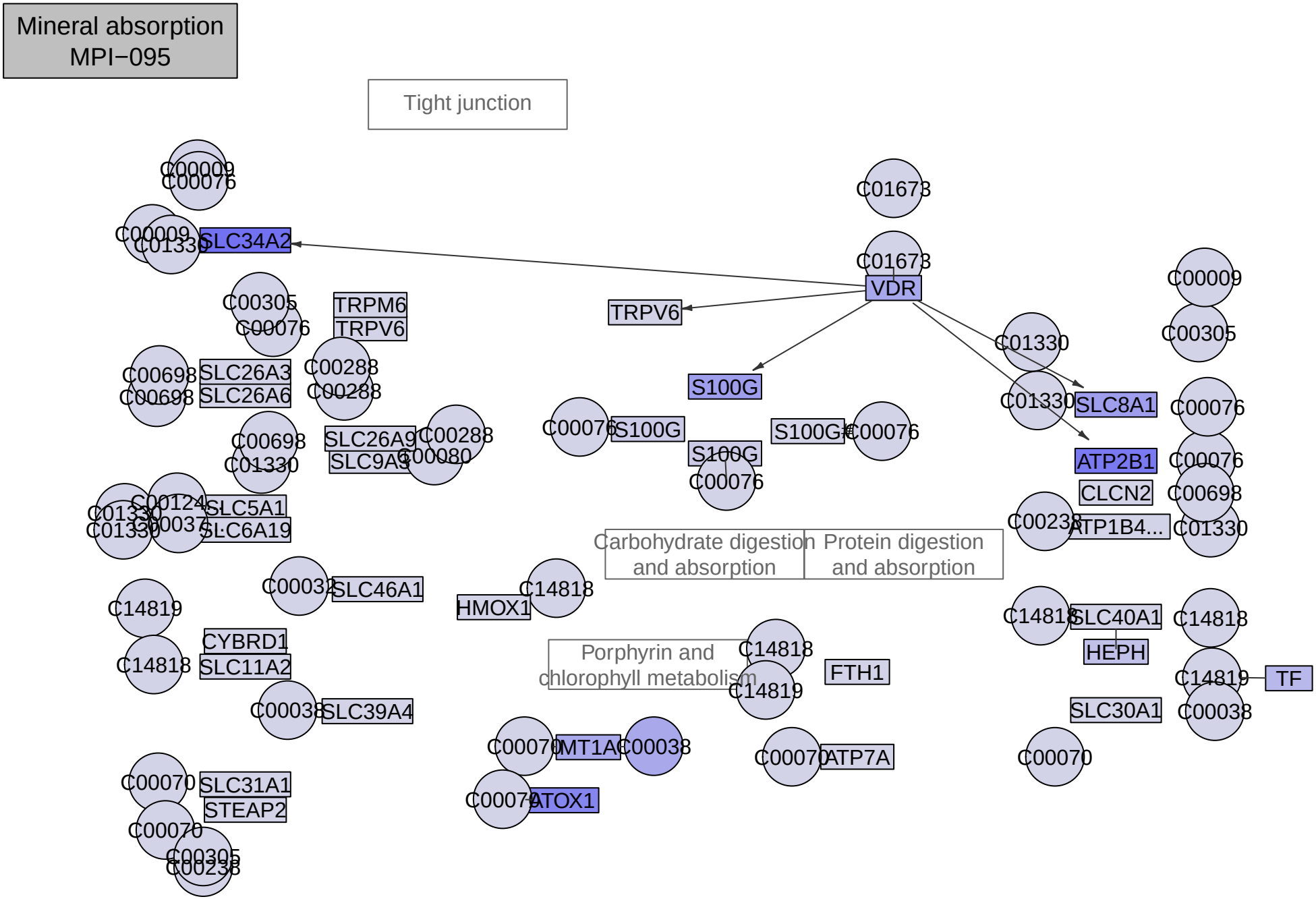
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Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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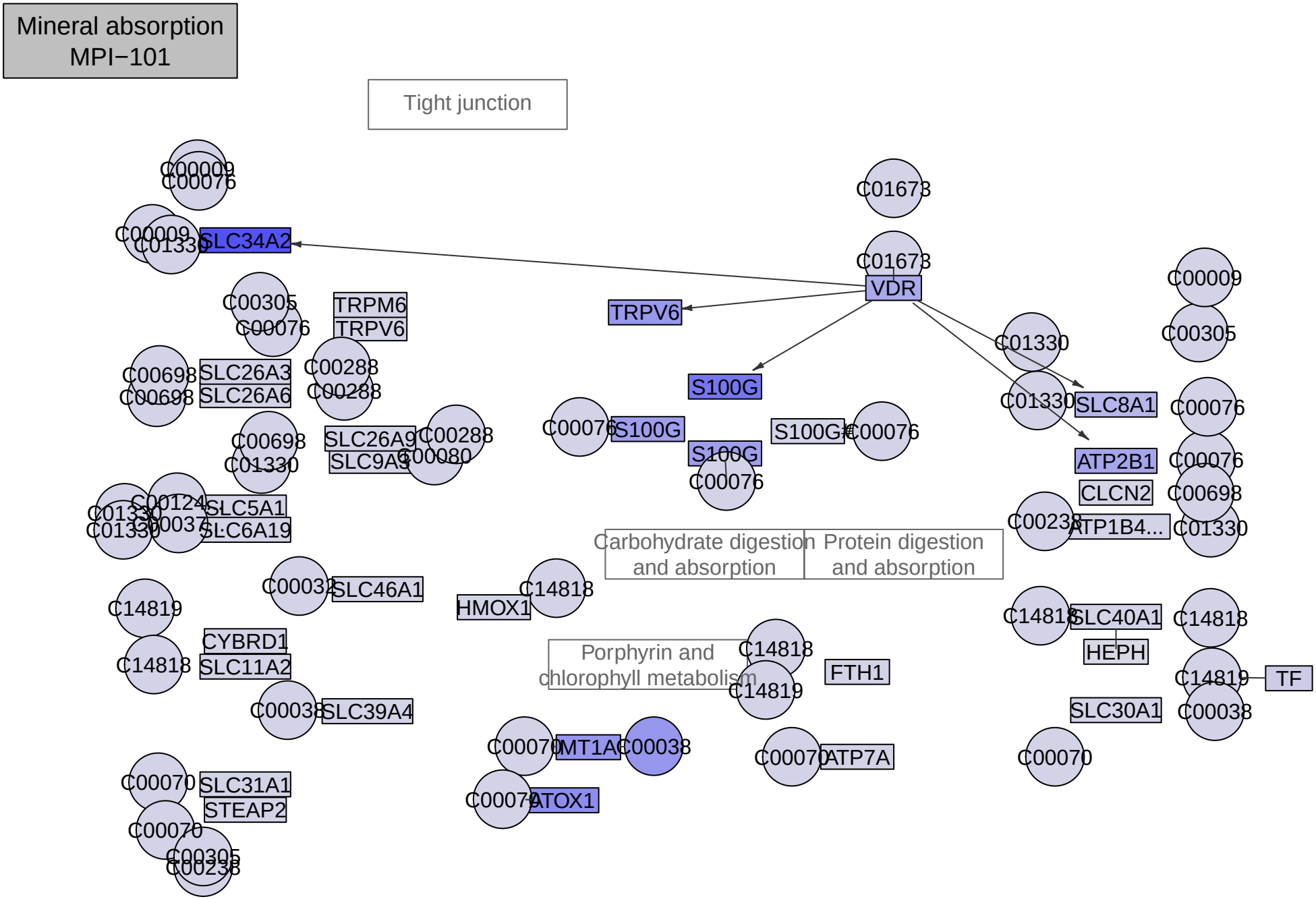
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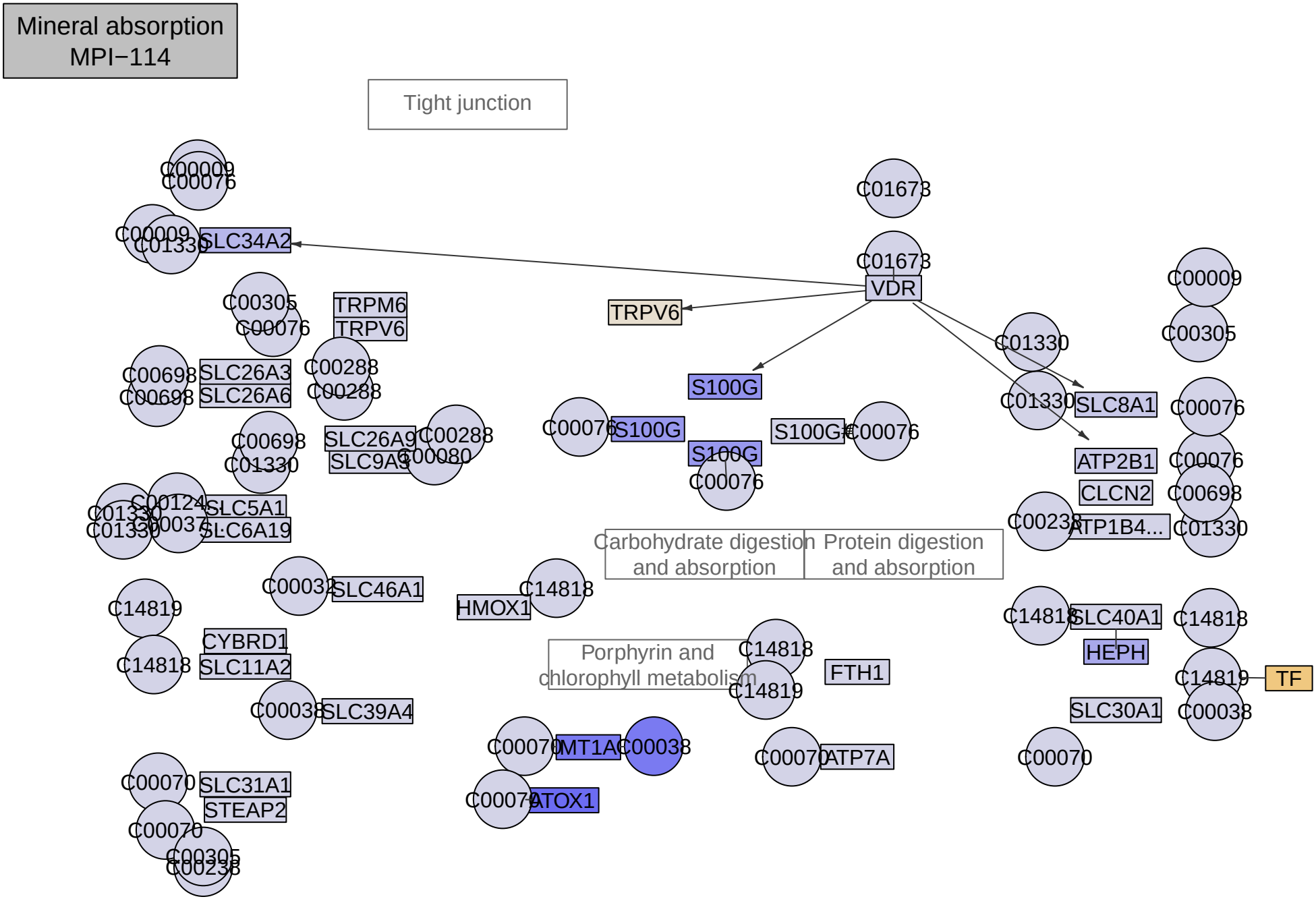
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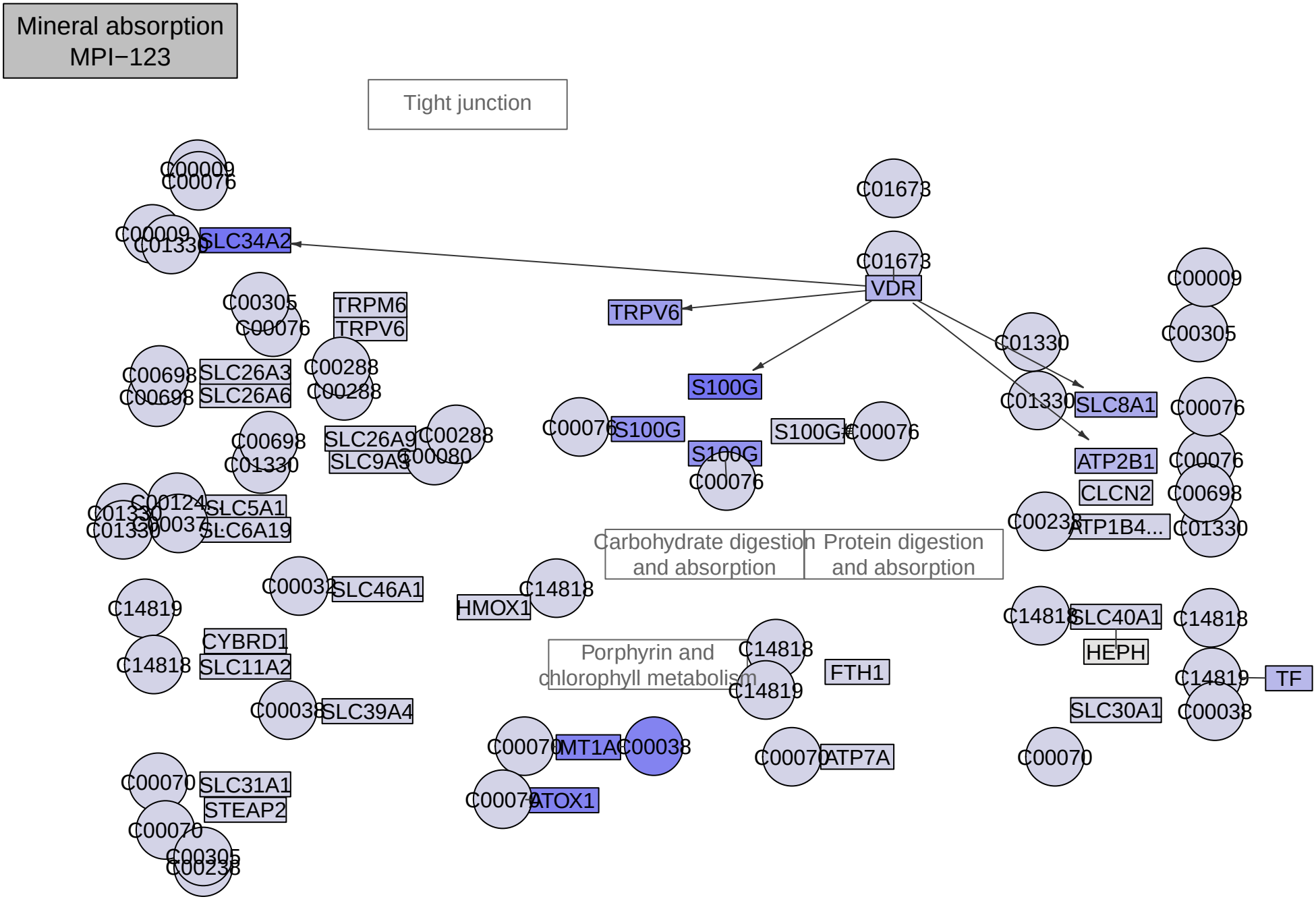
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Protein digestion and absorption
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HMOX1
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CYBRD1
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SLC11A2
Porphyrin and chlorophyll metabolism
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FTH1
C14819
TF
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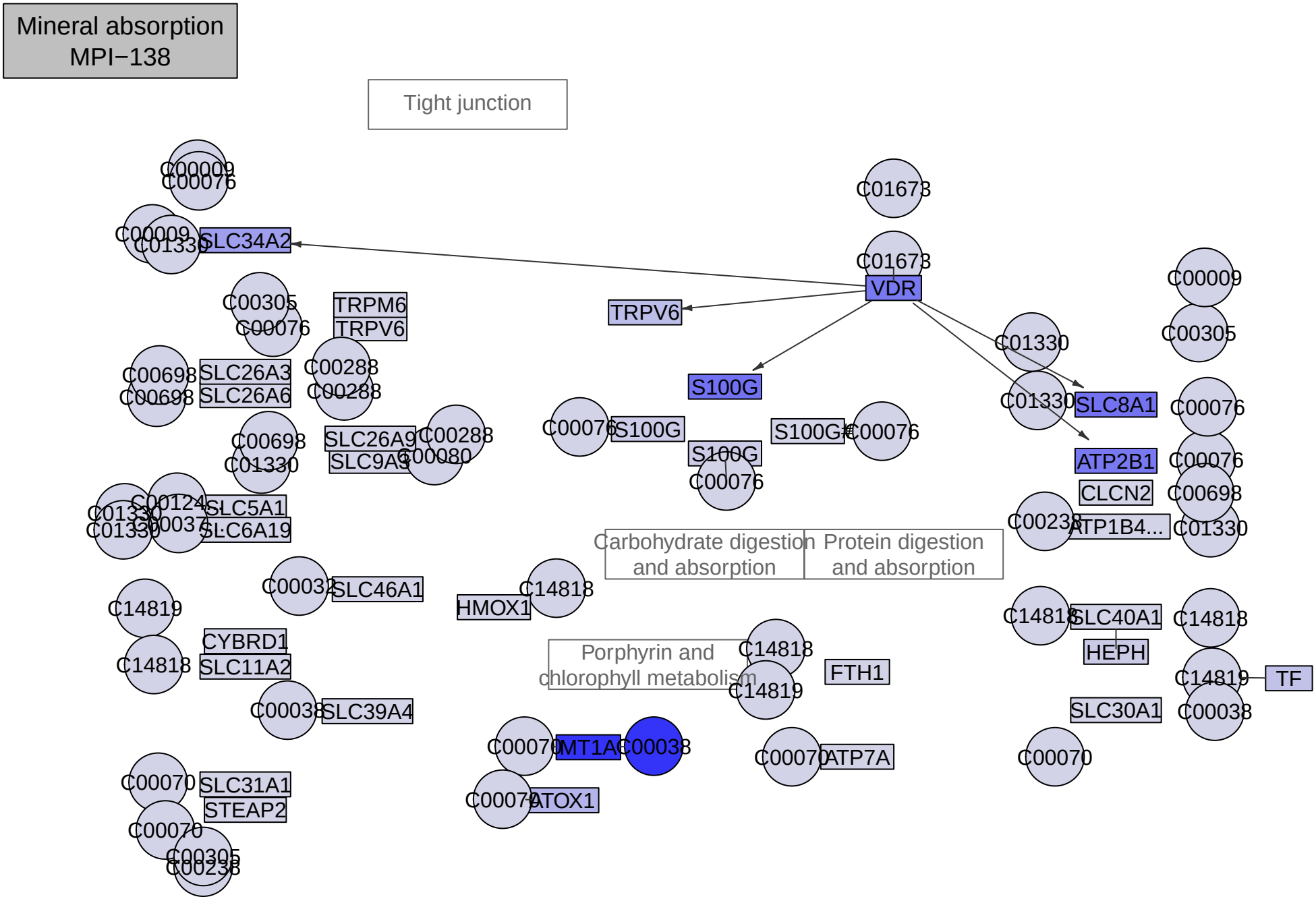
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TRPV6
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SLC8A1
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S100G
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S100G
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CLCN2
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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CYBRD1
SLC11A2
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HEPH
Porphyrin and chlorophyll metabolism
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FTH1
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C14819
TF
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SLC30A1
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MT1A
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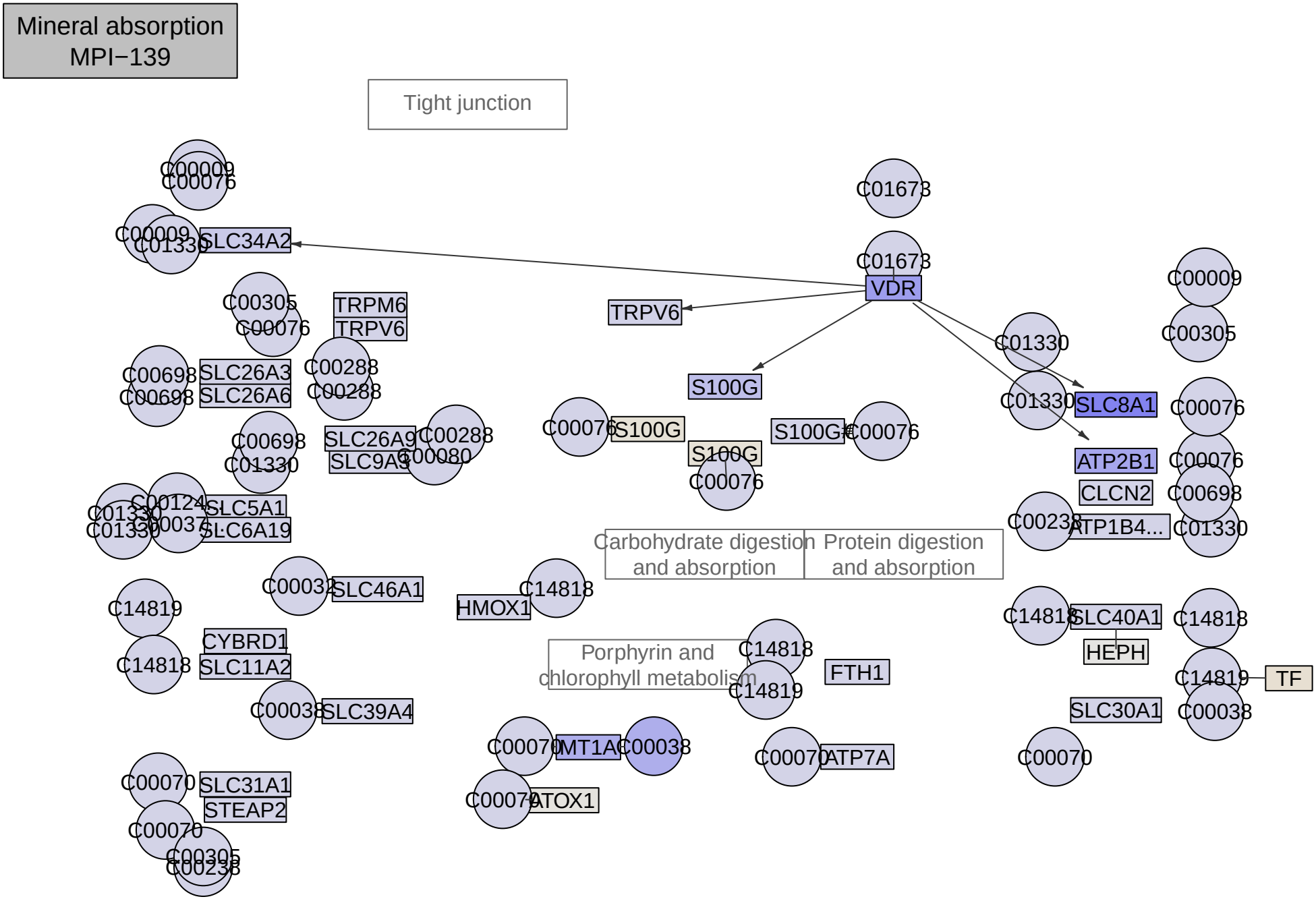
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C01330
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SLC9A3
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C01330
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SLC6A19
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CYBRD1
C14818
SLC11A2
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SLC39A4
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C01673
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Carbohydrate digestion and absorption
Protein digestion and absorption
C14818
HMOX1
Porphyrin and chlorophyll metabolism
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CLCN2
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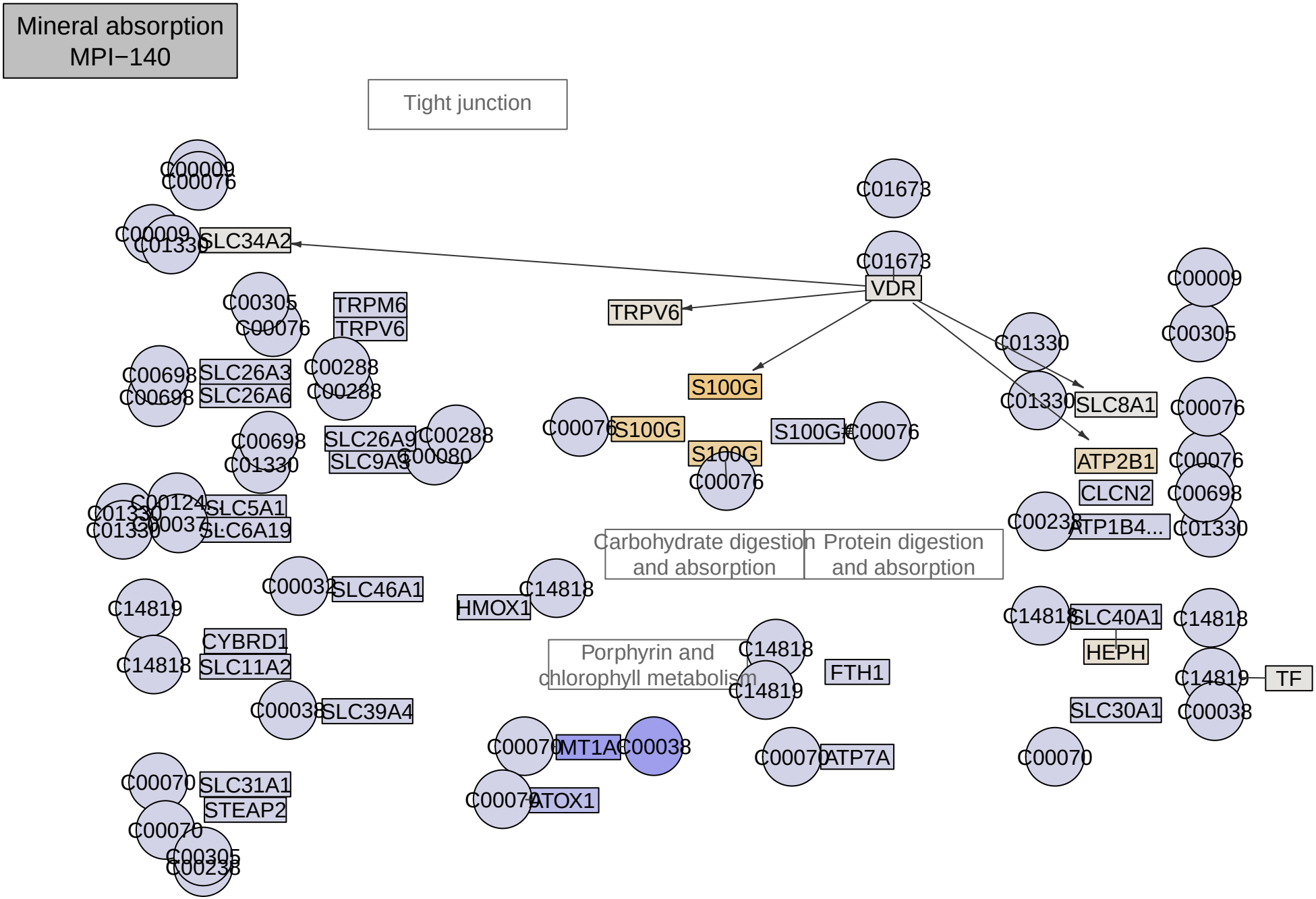
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SLC8A1
C00076
ATP2B1
C00076
CLCN2
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C00238
ATP1B4...
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TRPV6
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SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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SLC46A1
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CYBRD1
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SLC11A2
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SLC39A4
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HMOX1
Porphyrin and chlorophyll metabolism
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MT1A
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ATP7A
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HEPH
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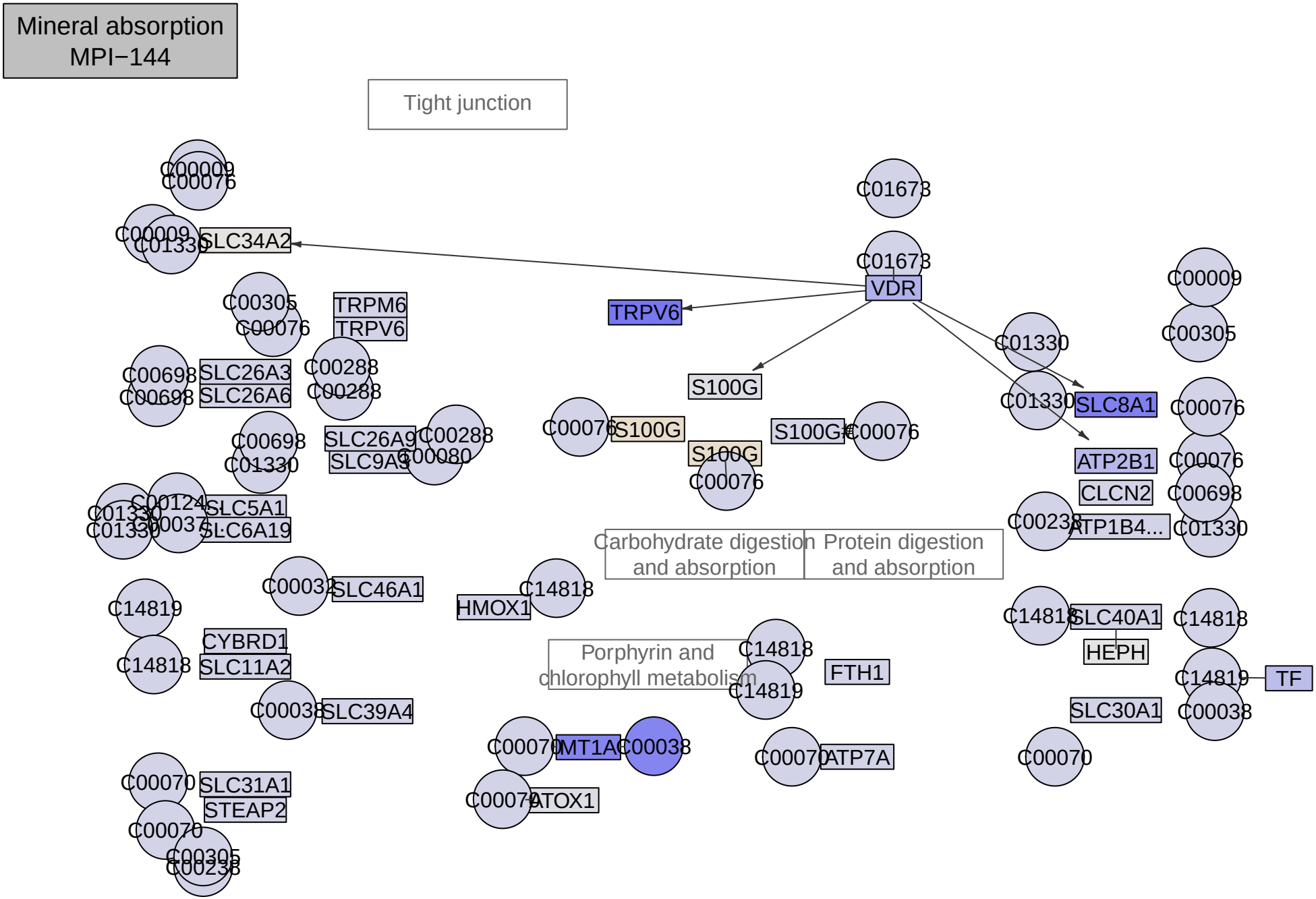
Mineral absorption
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VDR
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C00076
S100G
S100G
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S100G
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SLC6A19
CLCN2
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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CYBRD1
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Porphyrin and chlorophyll metabolism
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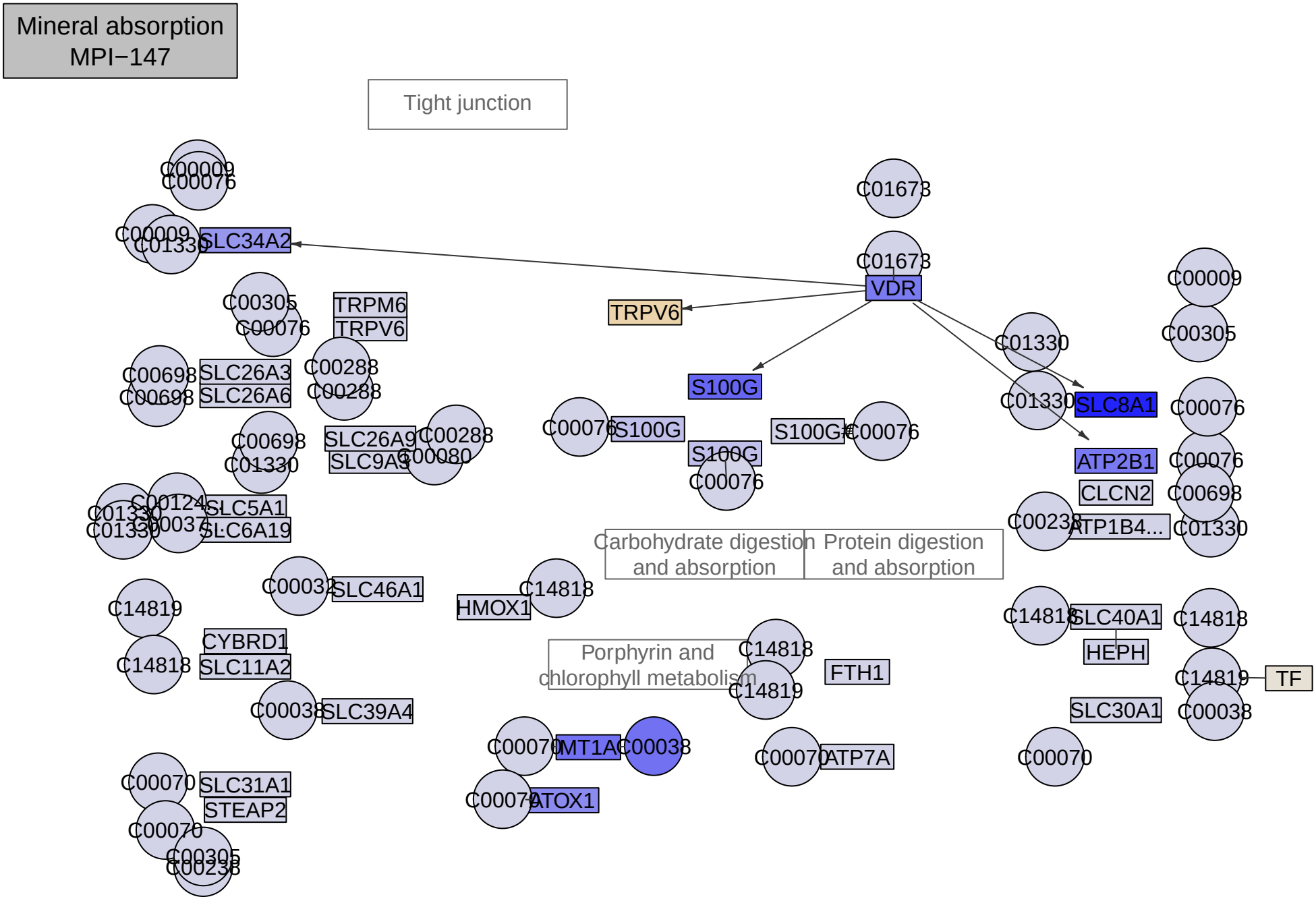
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CLCN2
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SLC6A19
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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CYBRD1
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Porphyrin and chlorophyll metabolism
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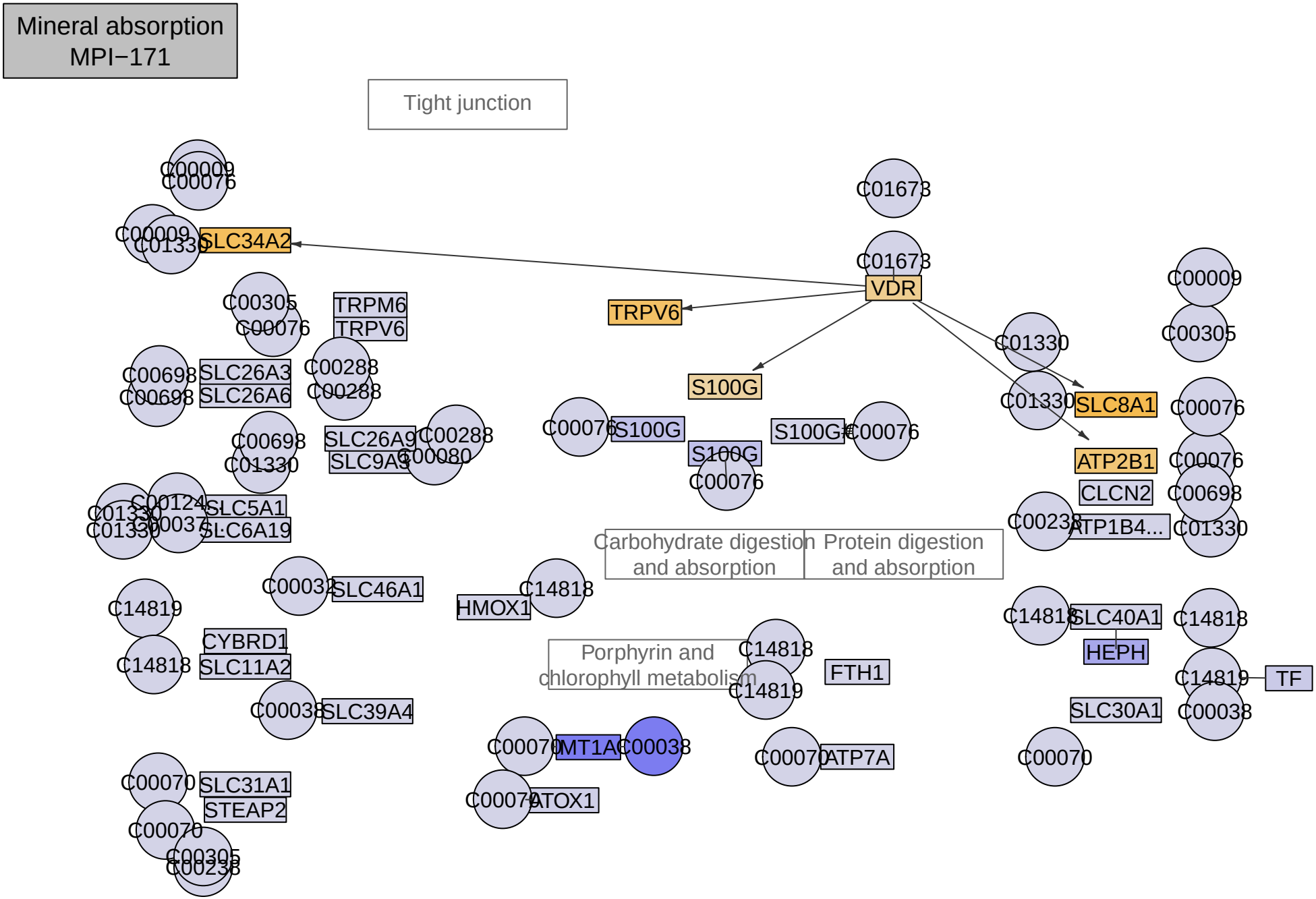
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ATP2B1
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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Porphyrin and chlorophyll metabolism
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FTH1
HEPH
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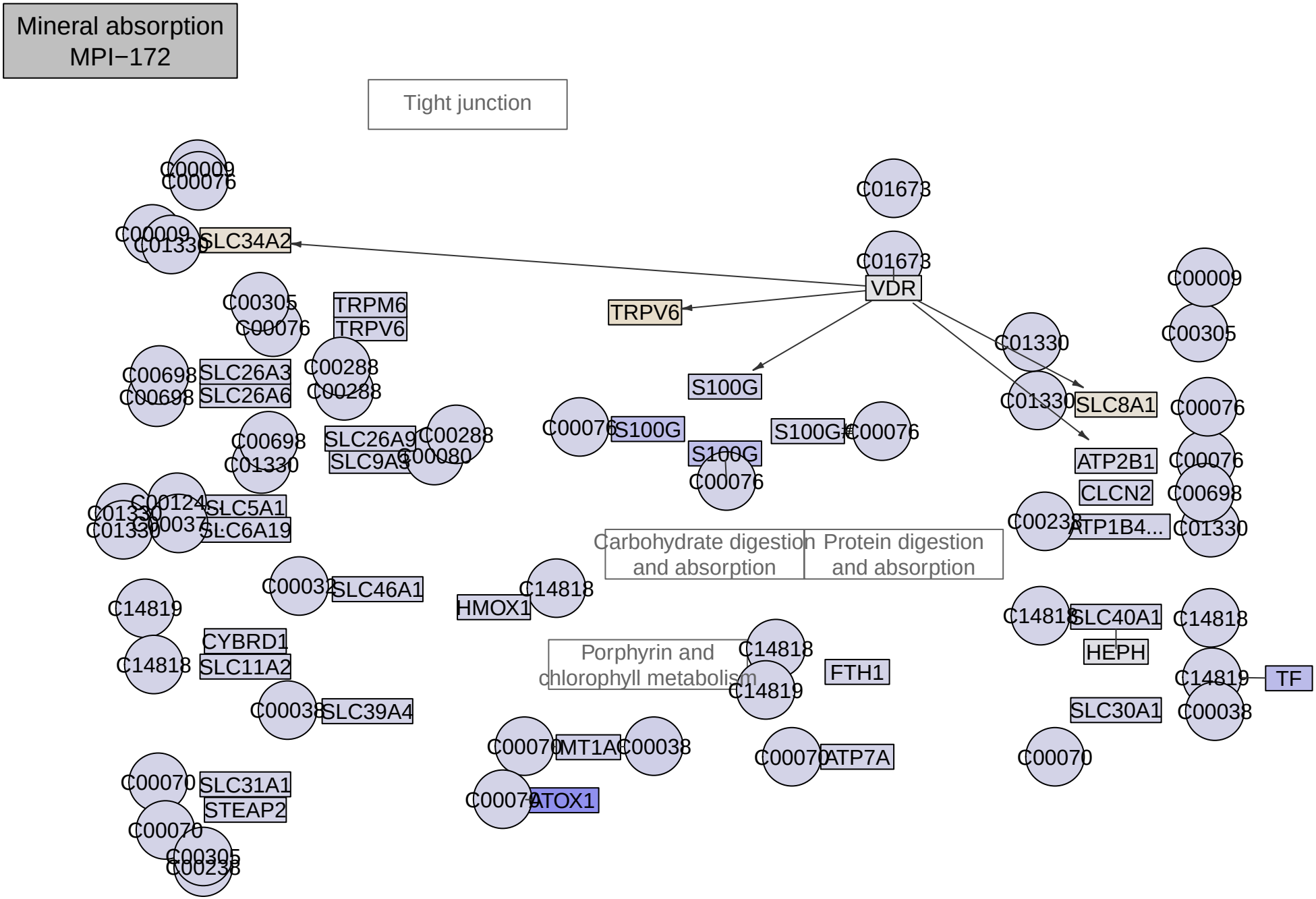
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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SLC11A2
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Porphyrin and chlorophyll metabolism
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FTH1
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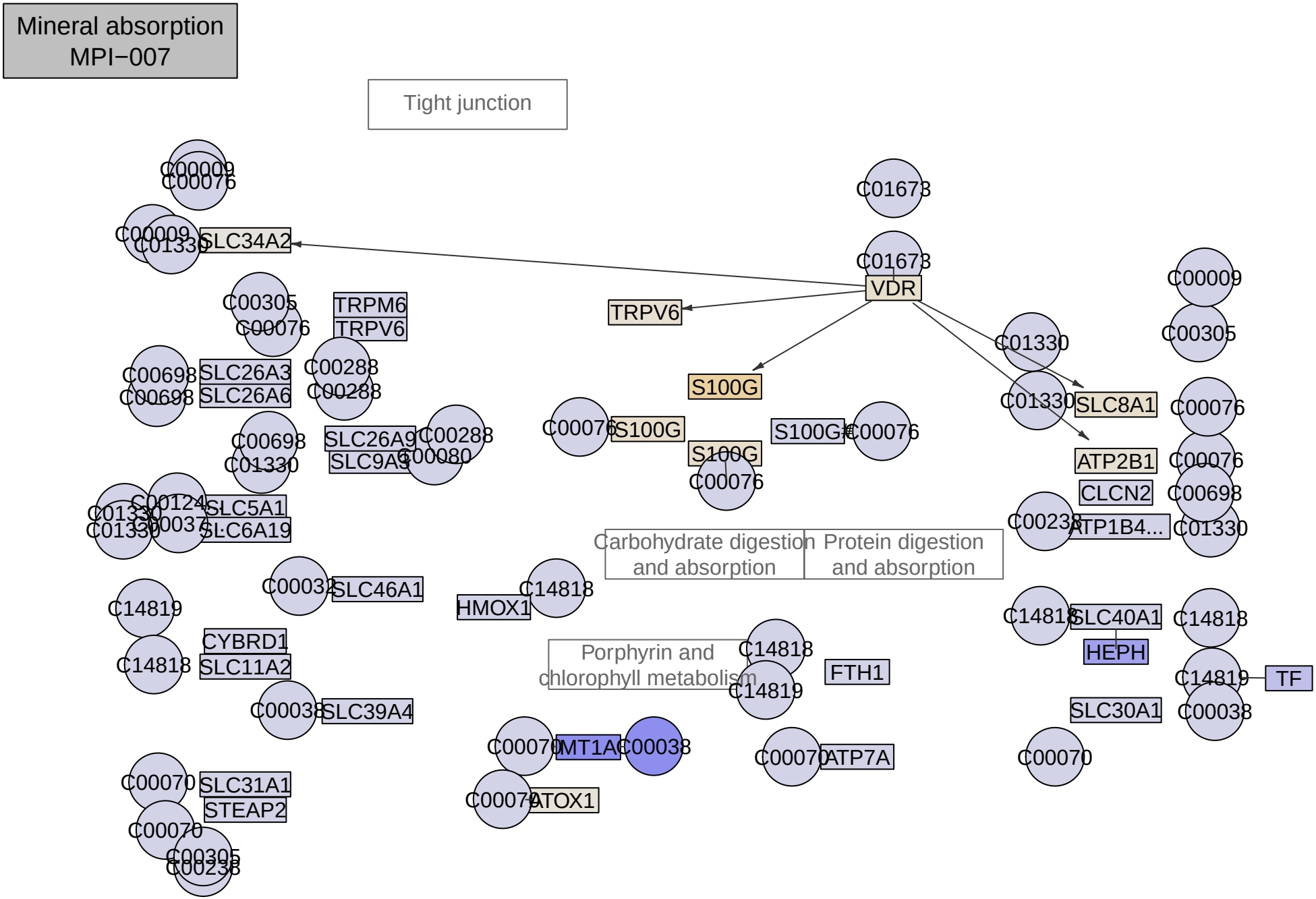
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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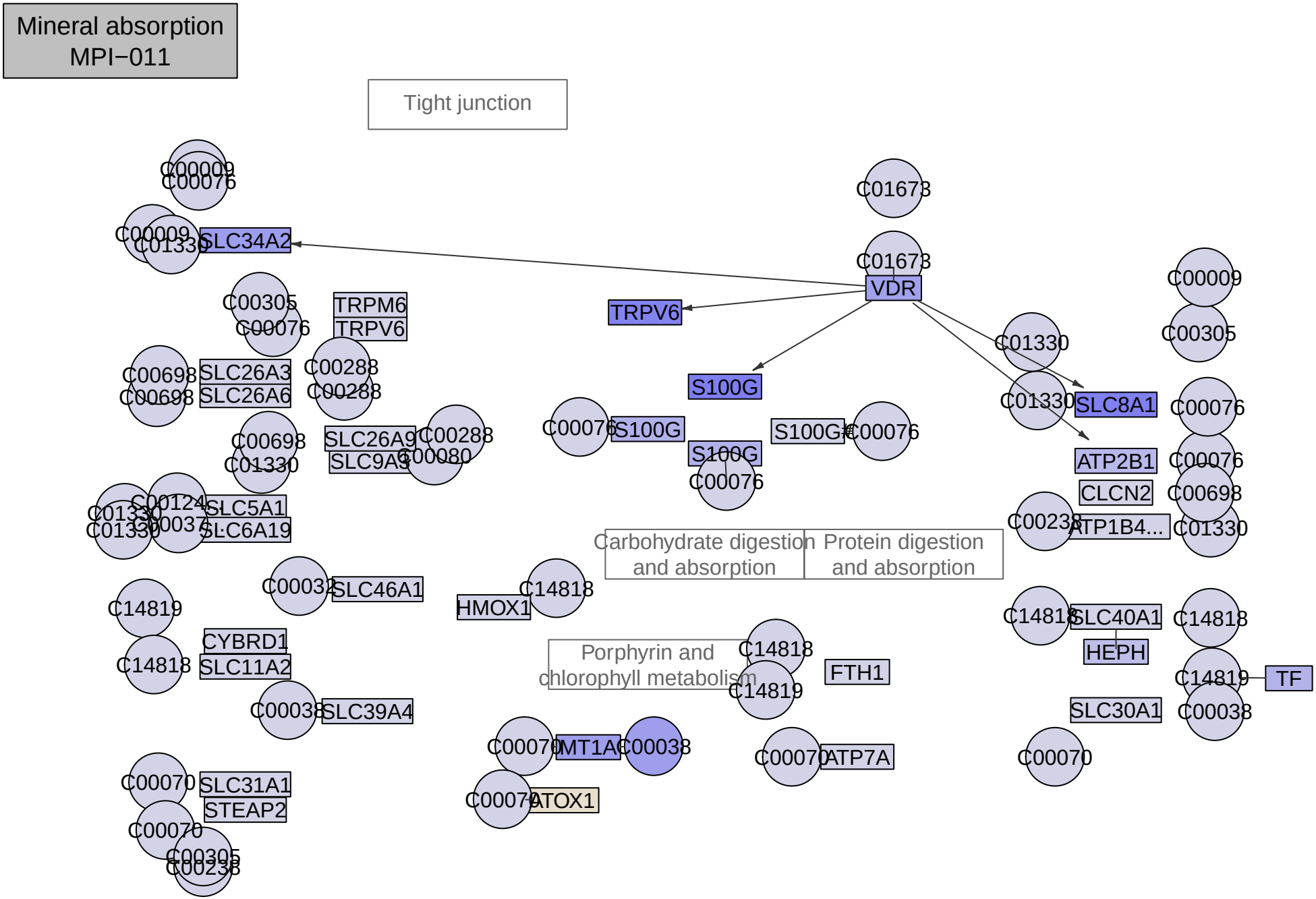
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TRPV6
TRPV6
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SLC8A1
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SLC9A3
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S100G
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C00076
ATP2B1
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SLC6A19
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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Porphyrin and chlorophyll metabolism
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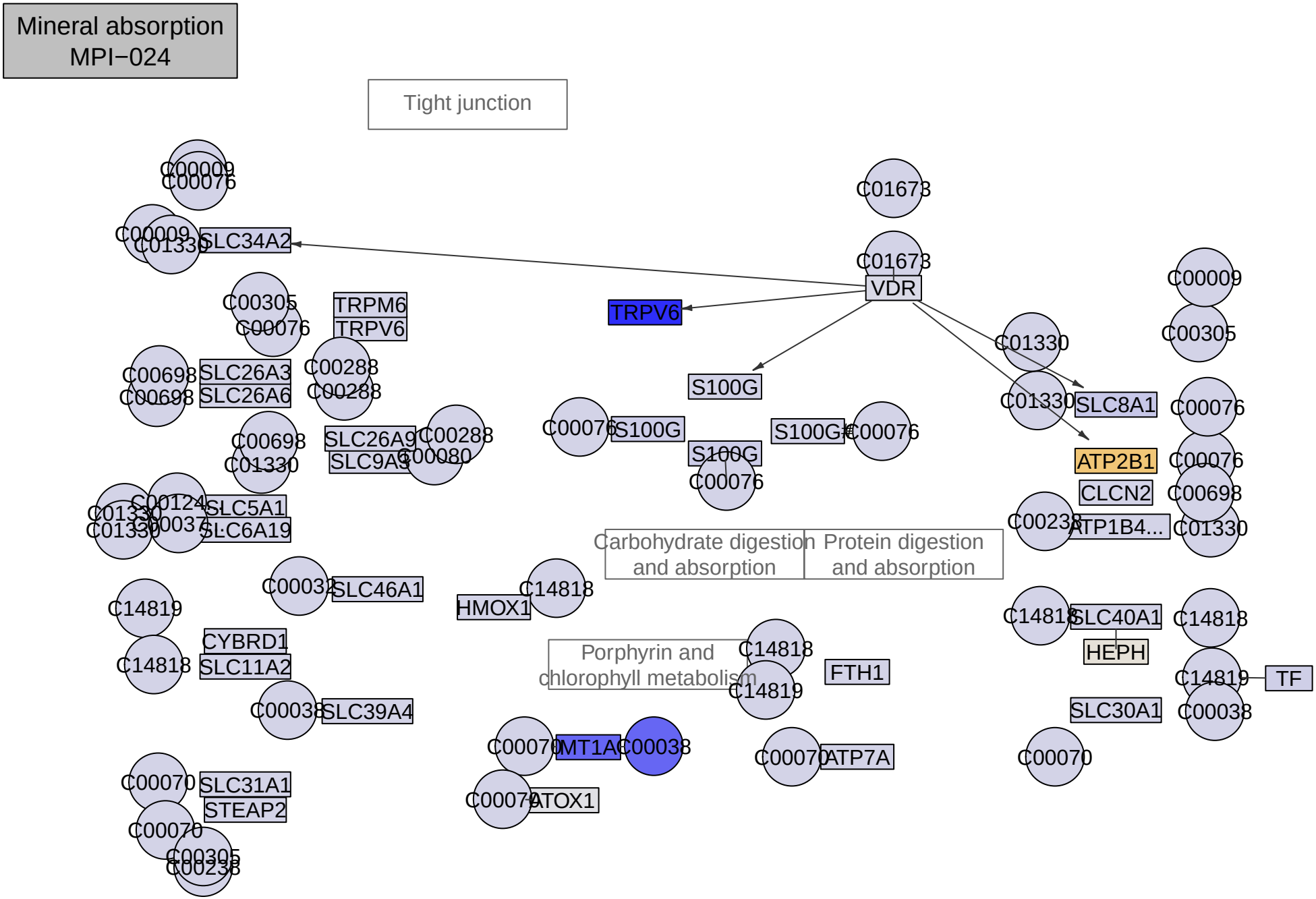
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C00698
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SLC26A9
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SLC6A19
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HMOX1
CYBRD1
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SLC39A4
C00070
SLC31A1
STEAP2
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Carbohydrate digestion and absorption
Protein digestion and absorption
Porphyrin and chlorophyll metabolism
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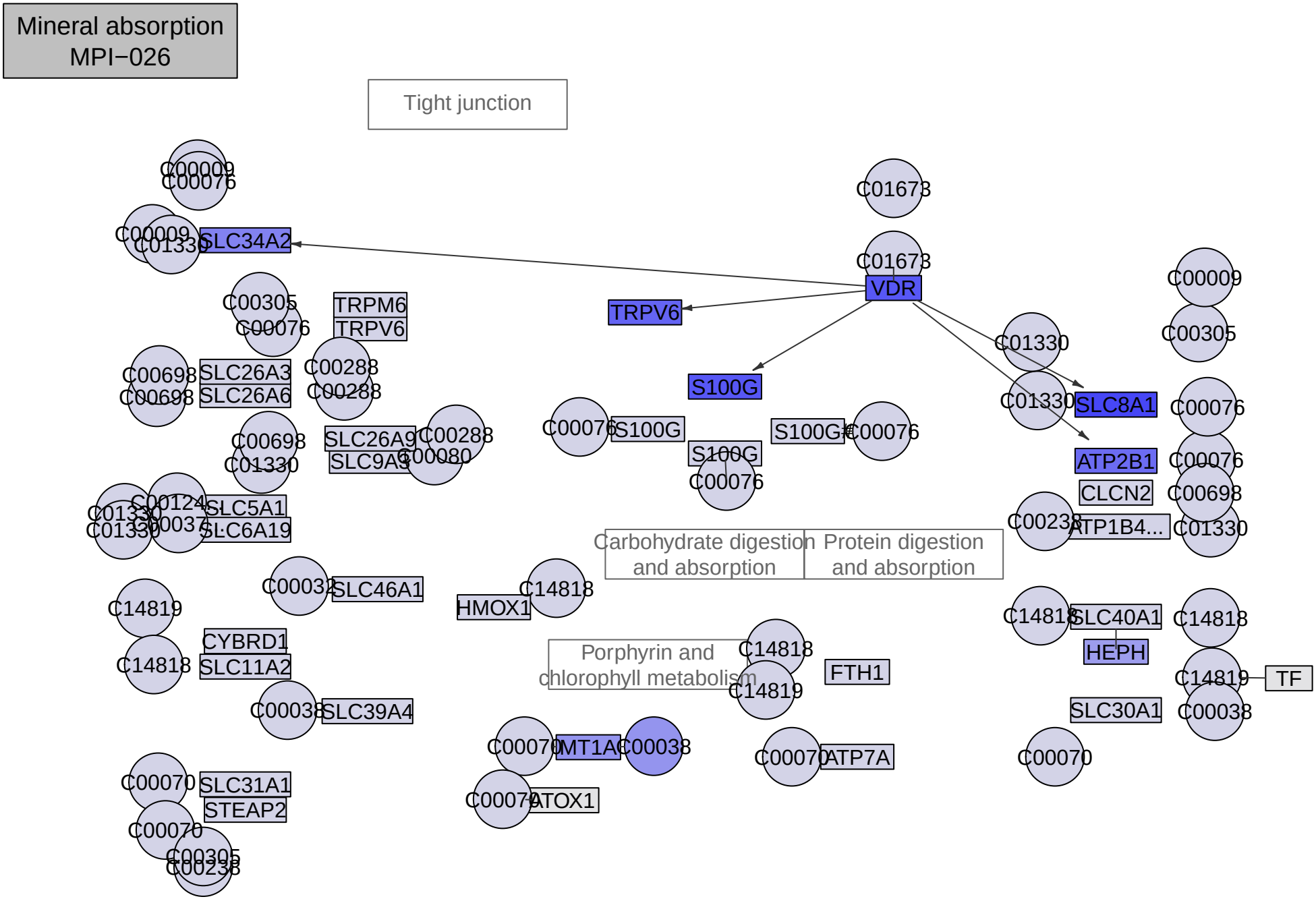
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CLCN2
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SLC5A1
SLC6A19
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Carbohydrate digestion and absorption
Protein digestion and absorption
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SLC11A2
Porphyrin and chlorophyll metabolism
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HEPH
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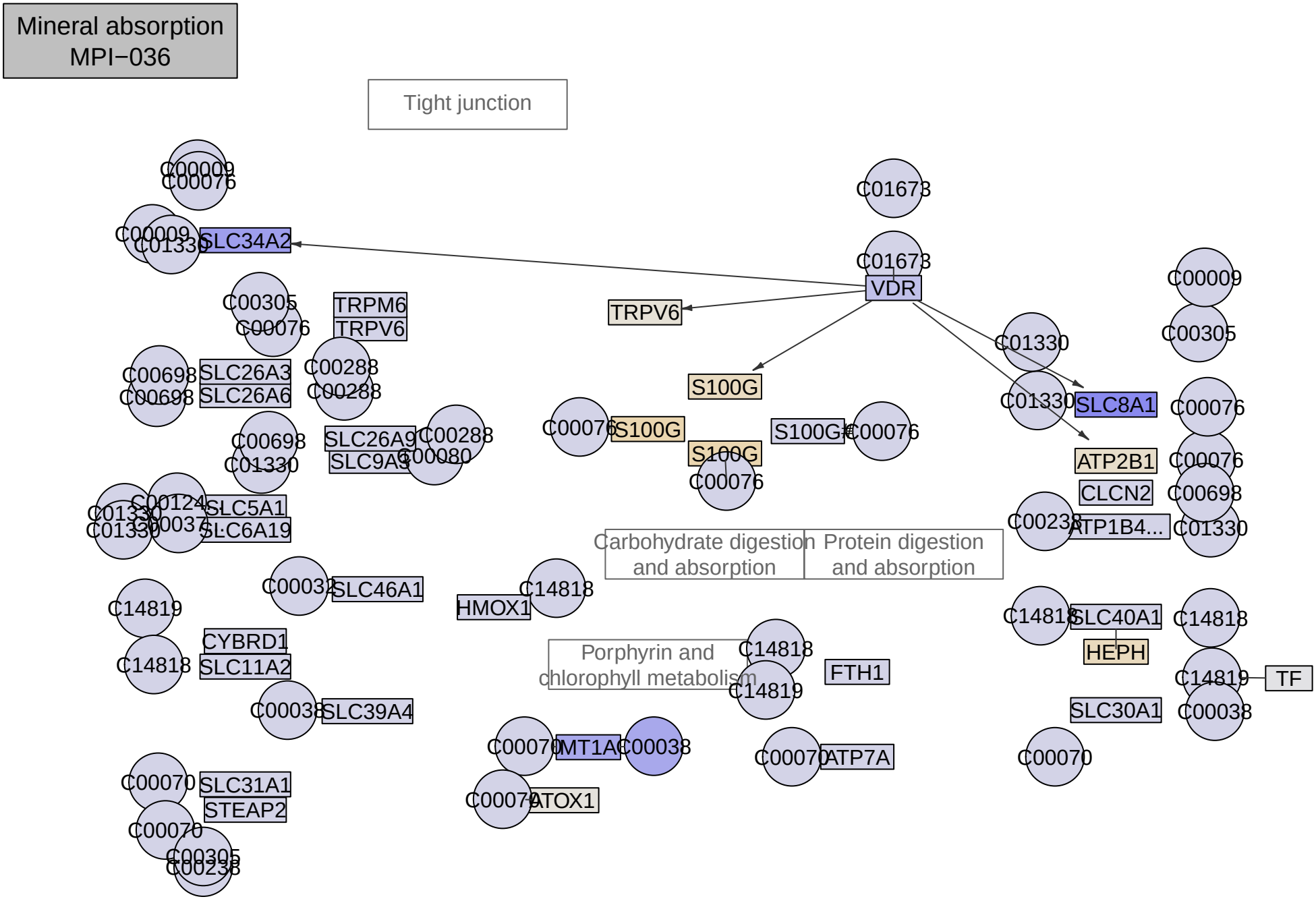
Mineral absorption
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C00009
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SLC8A1
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ATP2B1
C00076
CLCN2
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ATP1B4...
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Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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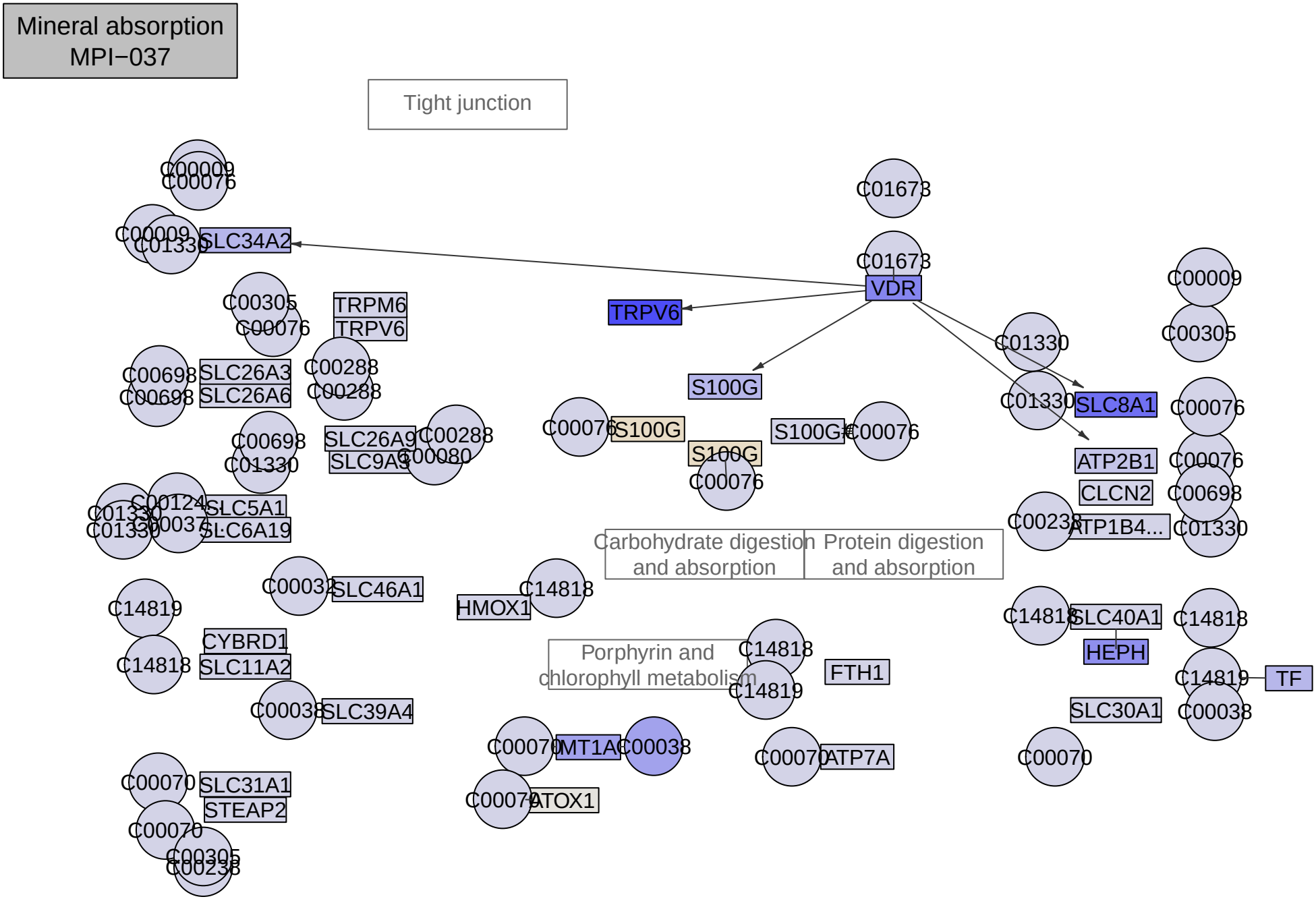
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Protein digestion and absorption
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CYBRD1
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Porphyrin and chlorophyll metabolism
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HEPH
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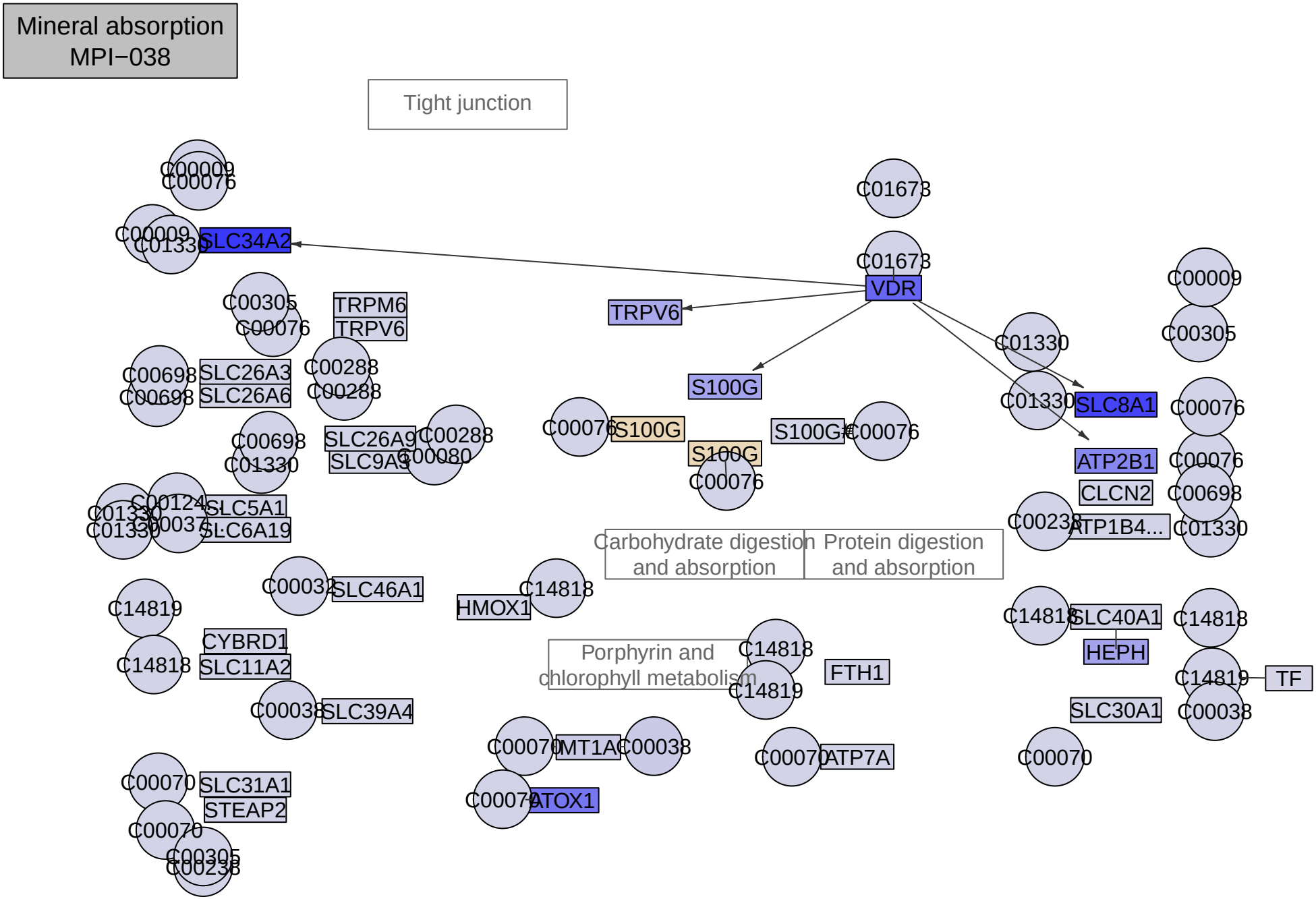
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Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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FTH1
HEPH
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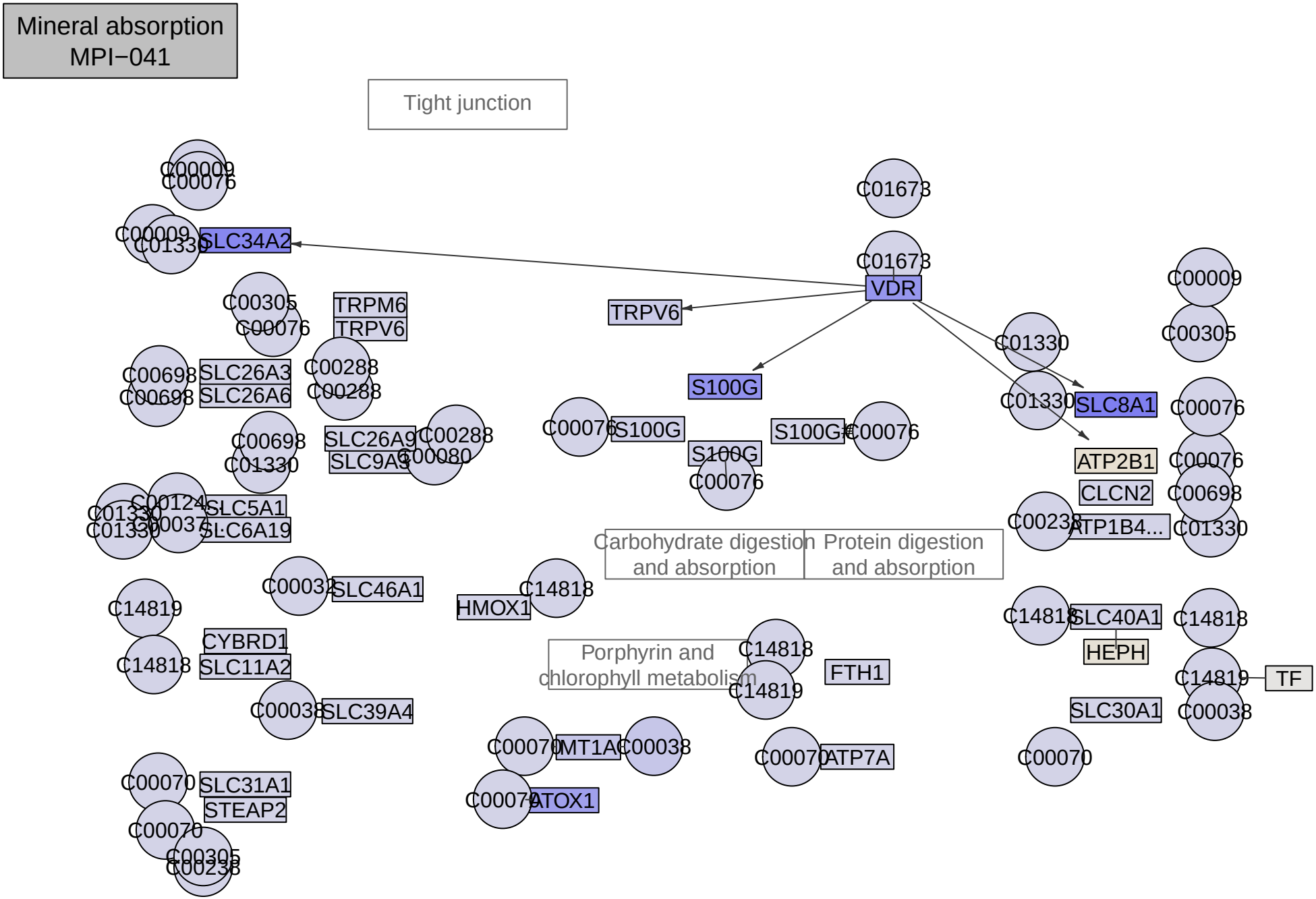
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Porphyrin and chlorophyll metabolism
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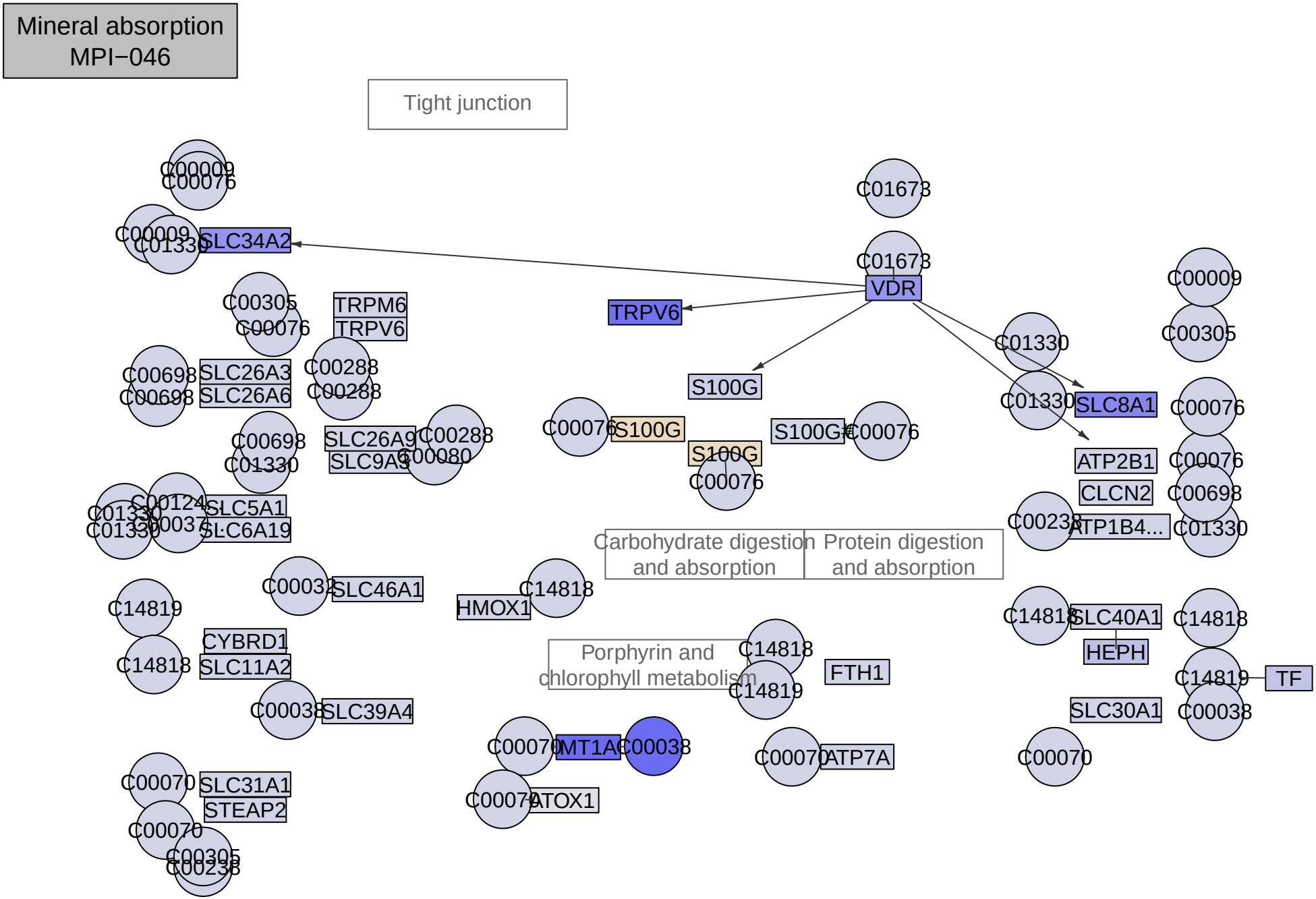
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TRPV6
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SLC26A6
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Protein digestion and absorption
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CYBRD1
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Porphyrin and chlorophyll metabolism
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HEPH
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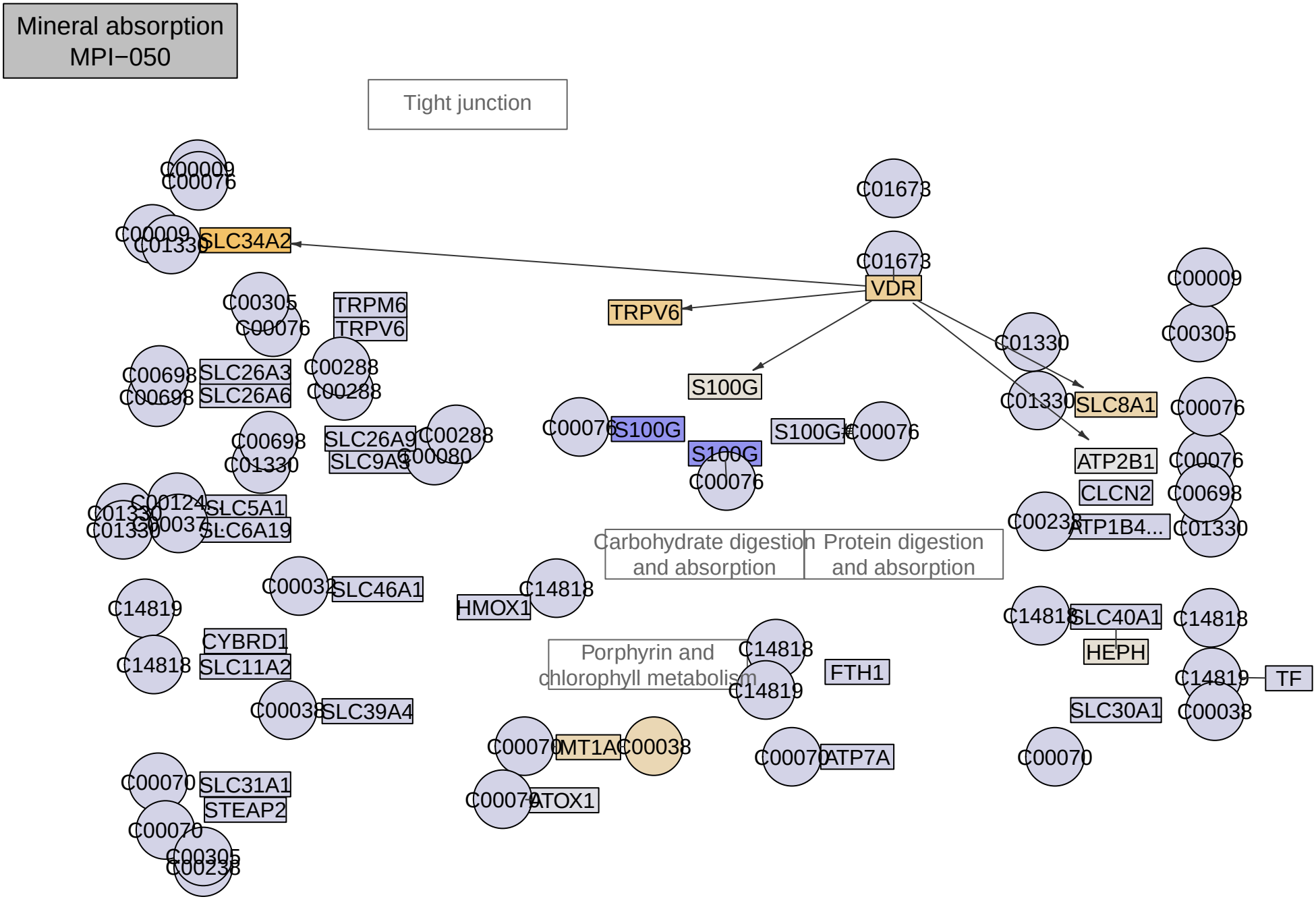
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Protein digestion and absorption
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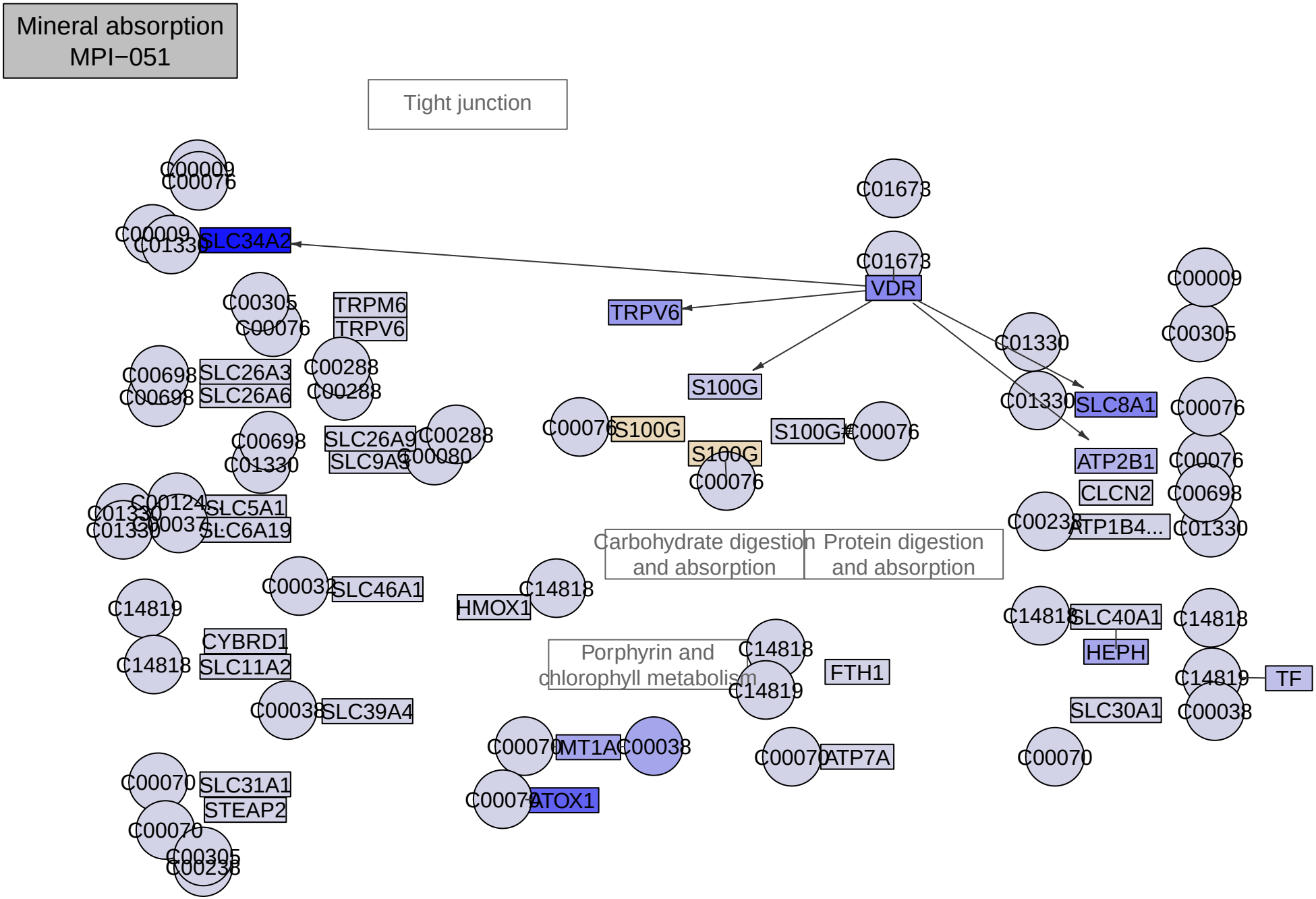
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Protein digestion and absorption
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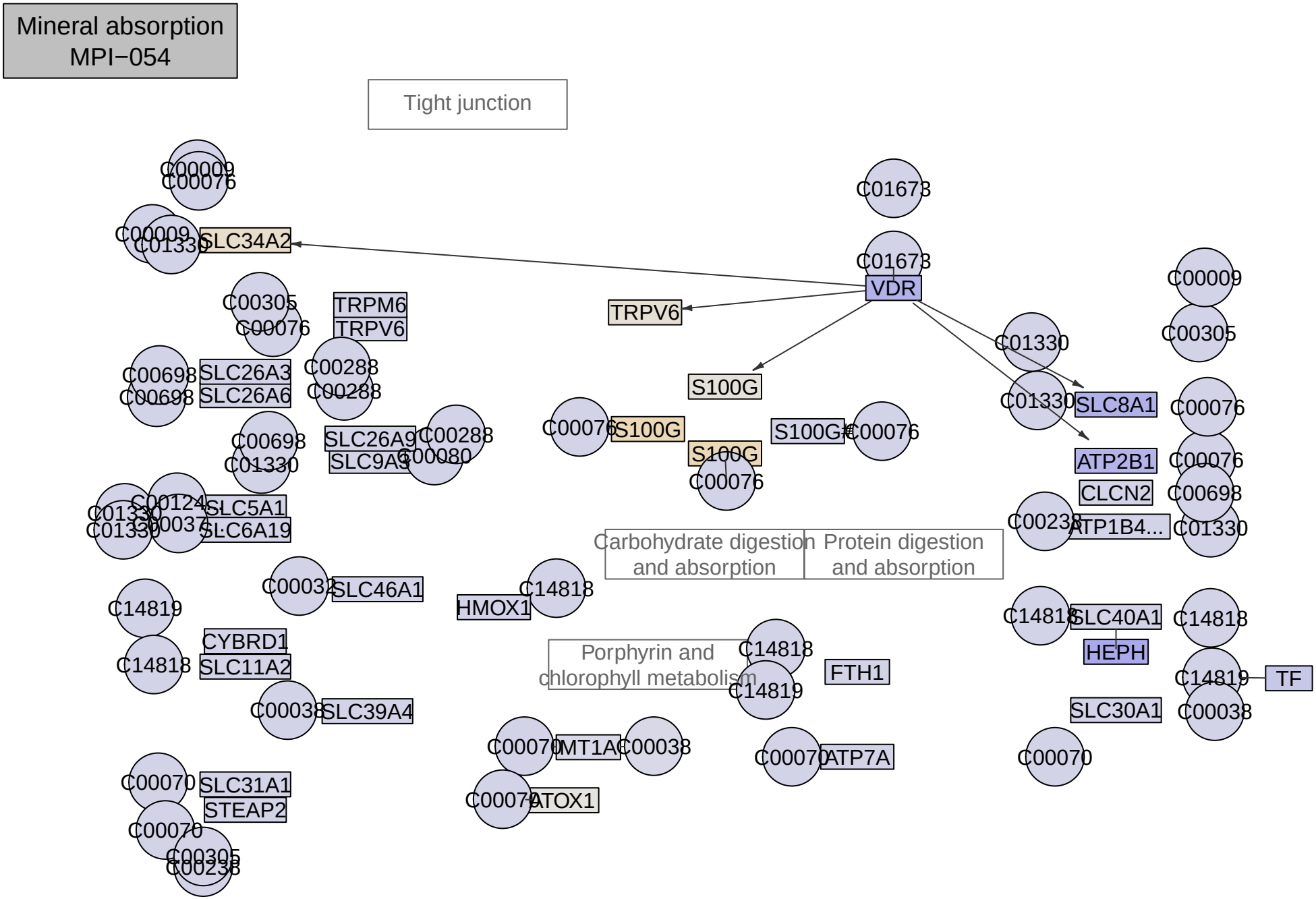
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Protein digestion and absorption
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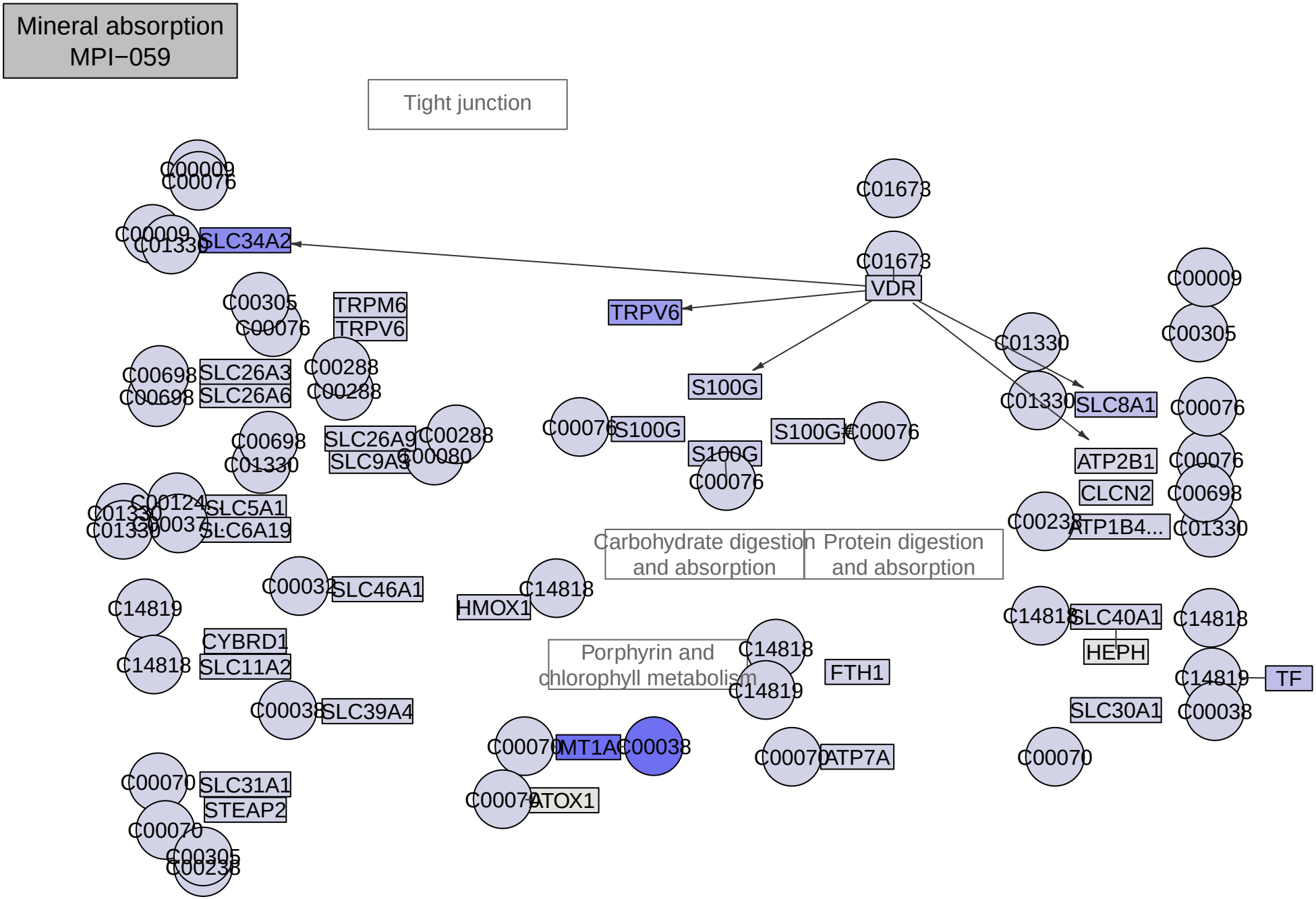
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Protein digestion and absorption
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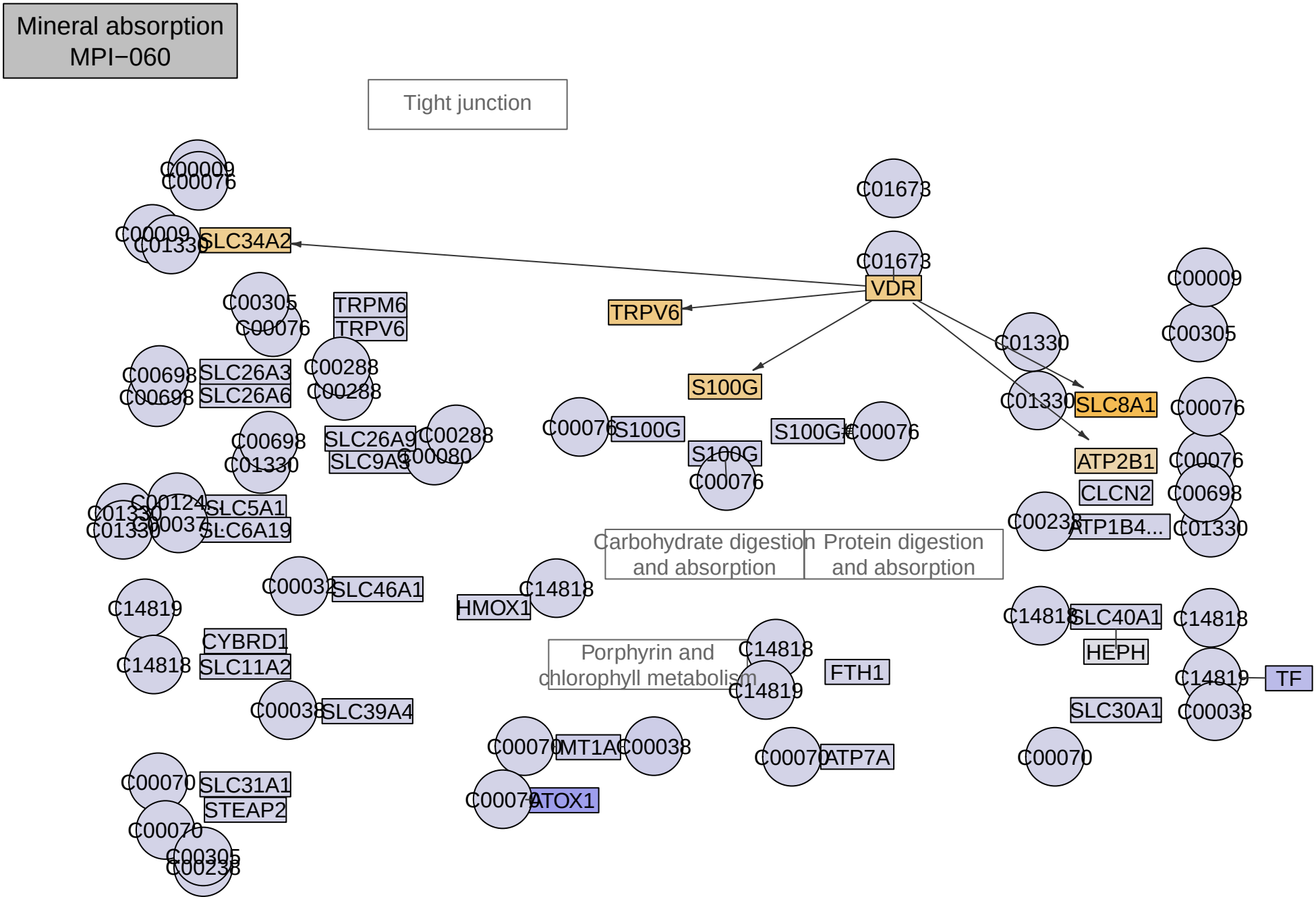
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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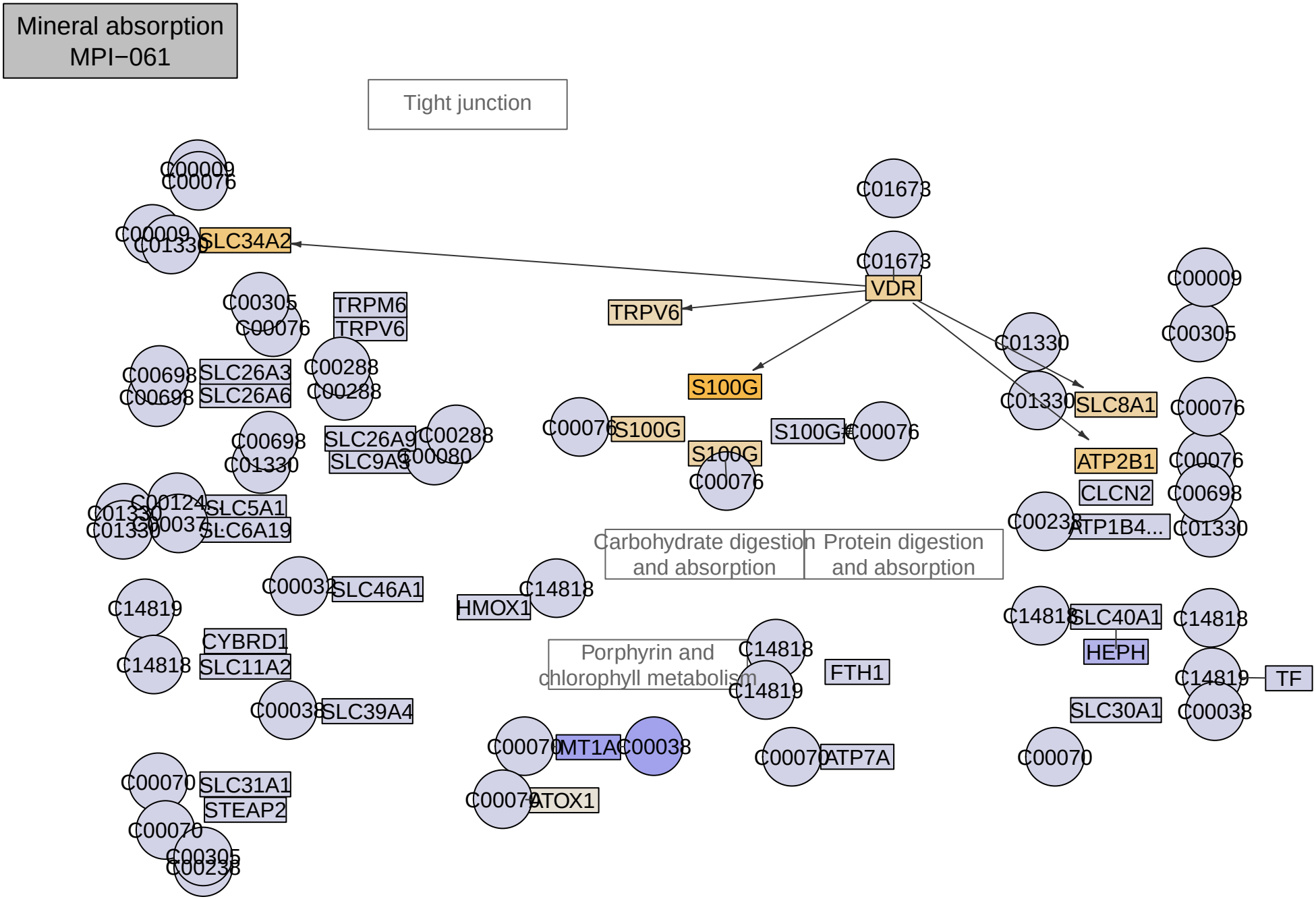
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Carbohydrate digestion and absorption
Protein digestion and absorption
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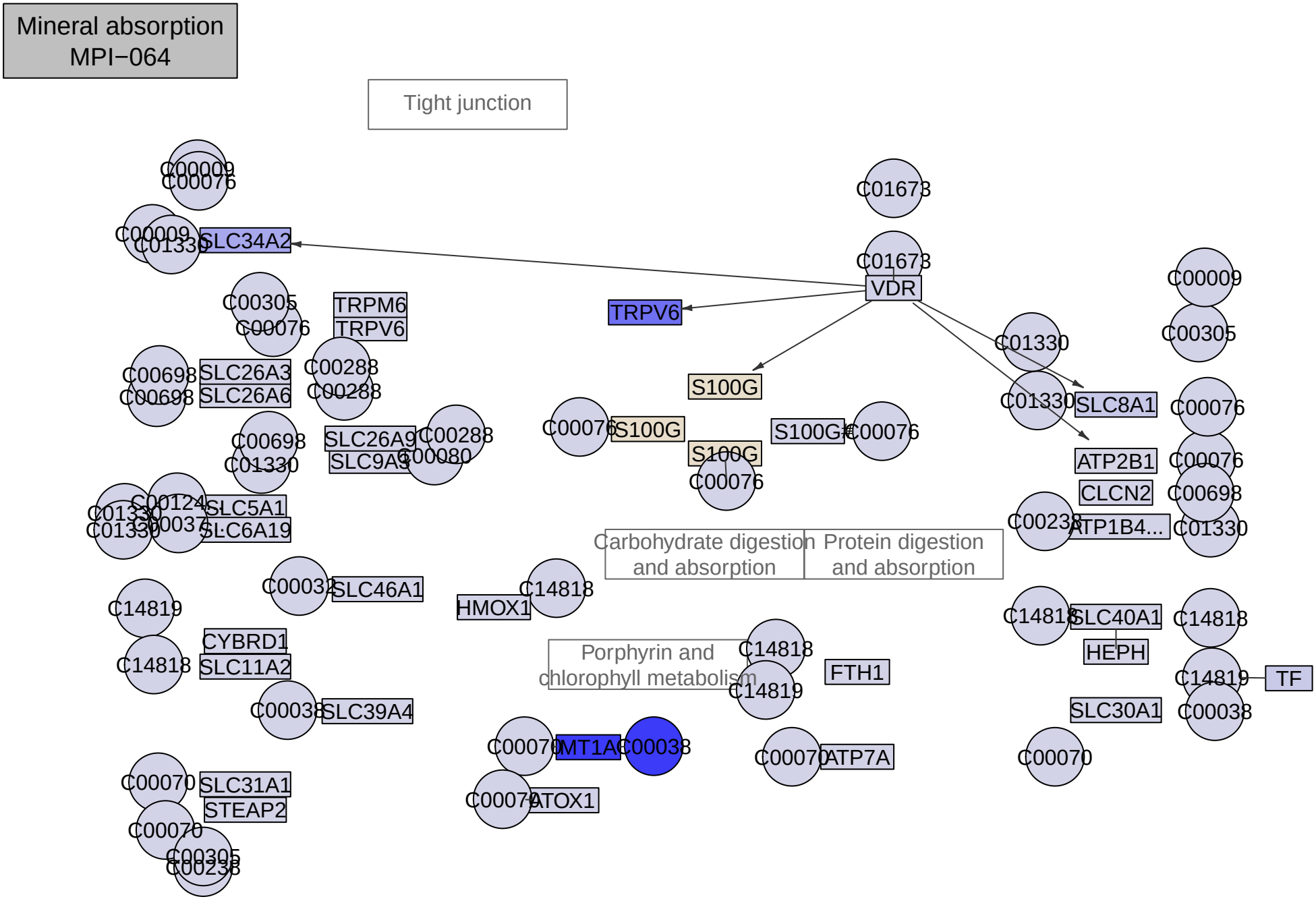
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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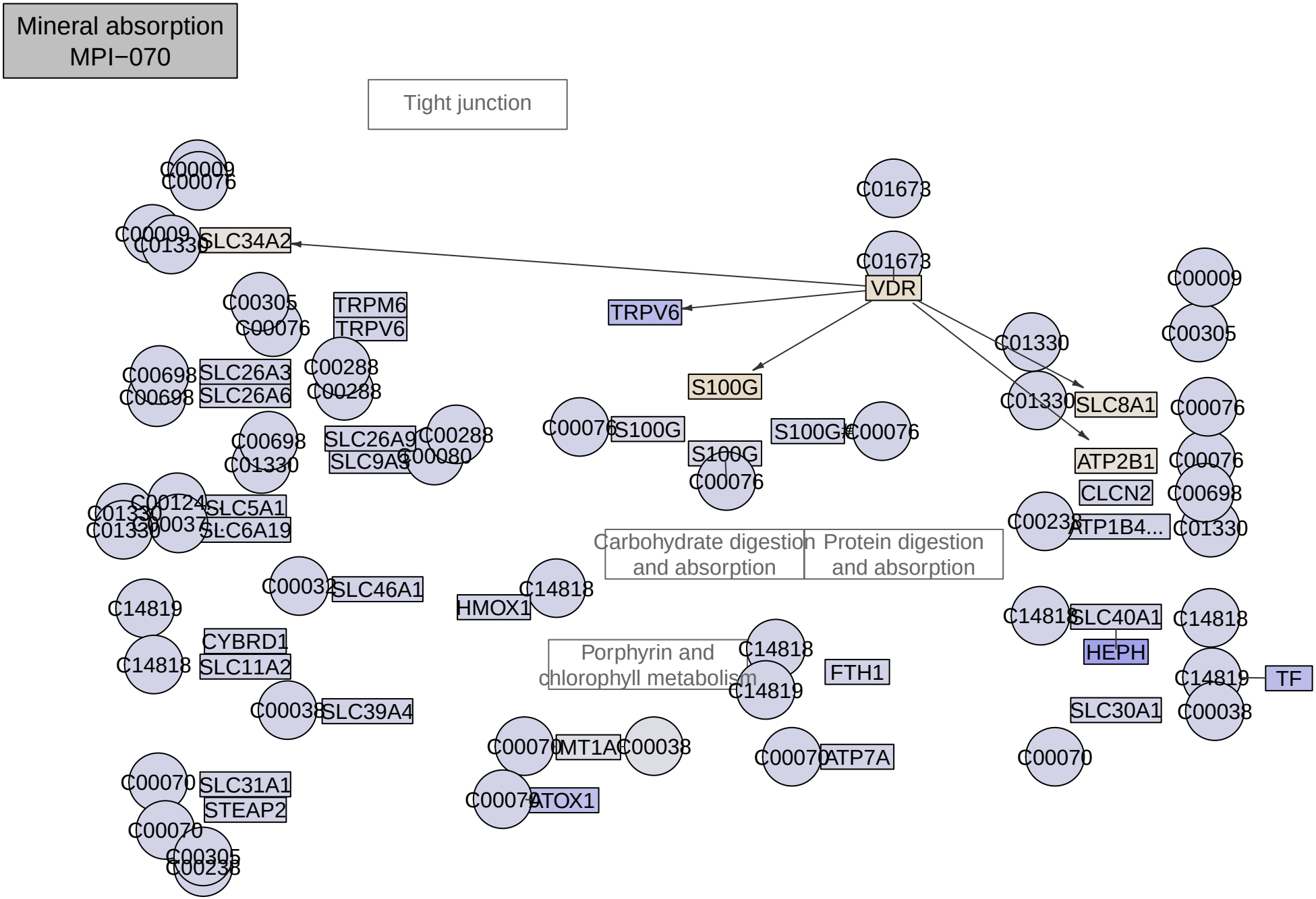
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Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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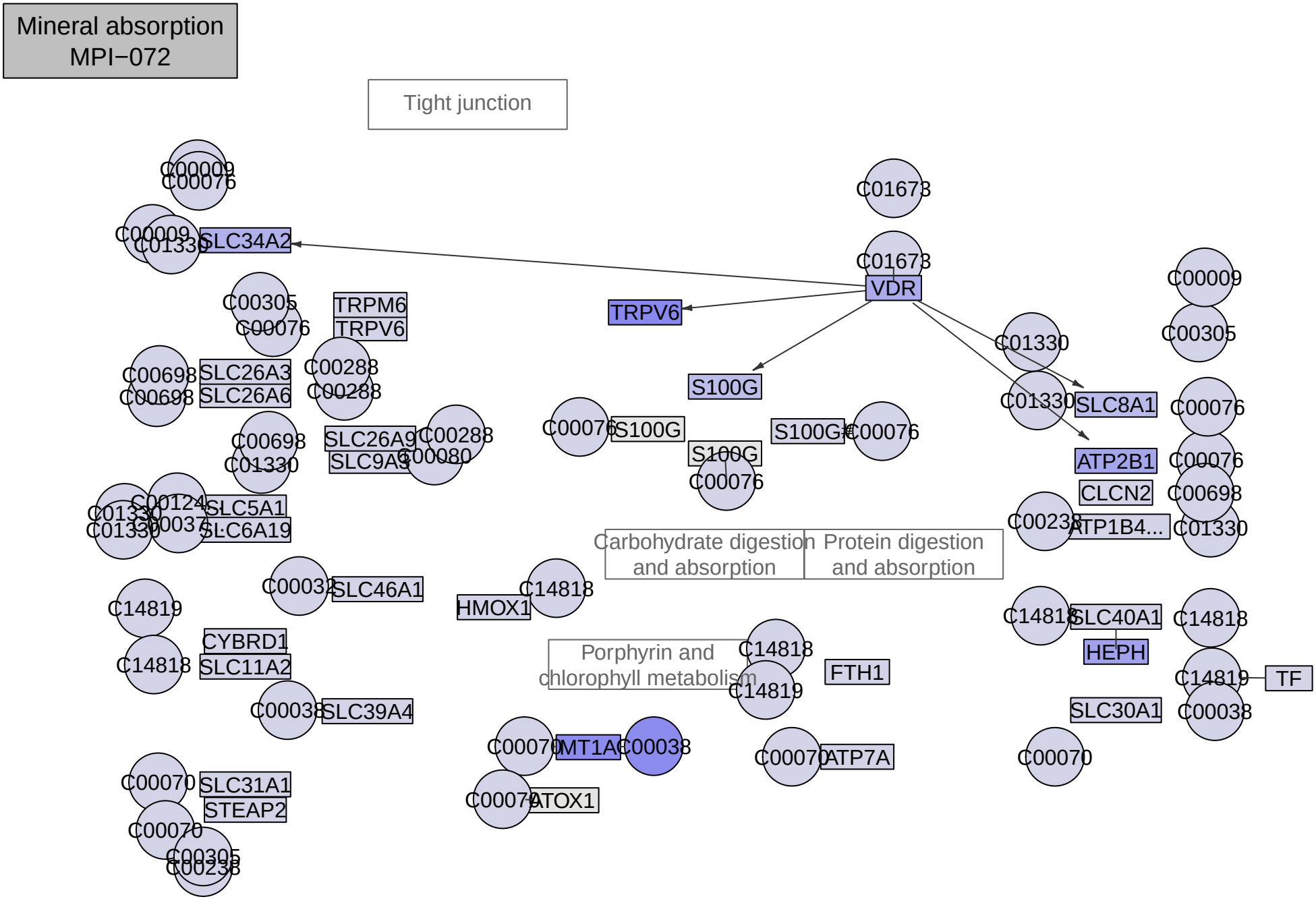
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TRPV6
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Protein digestion and absorption
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SLC40A1
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CYBRD1
C14818
SLC11A2
Porphyrin and chlorophyll metabolism
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C14819
FTH1
HEPH
C14819
TF
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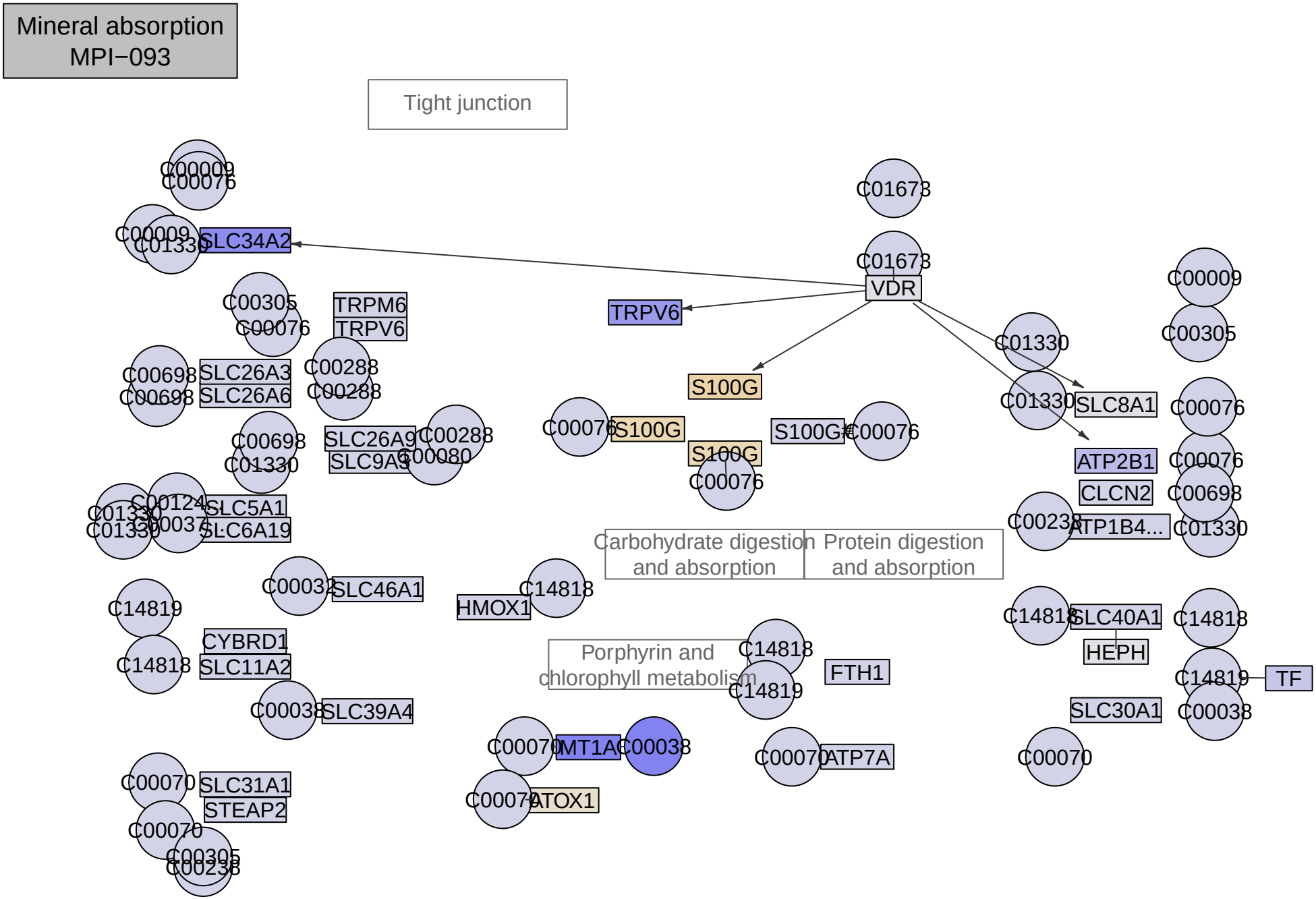
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Protein digestion and absorption
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CYBRD1
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SLC39A4
Porphyrin and chlorophyll metabolism
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C14819
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HEPH
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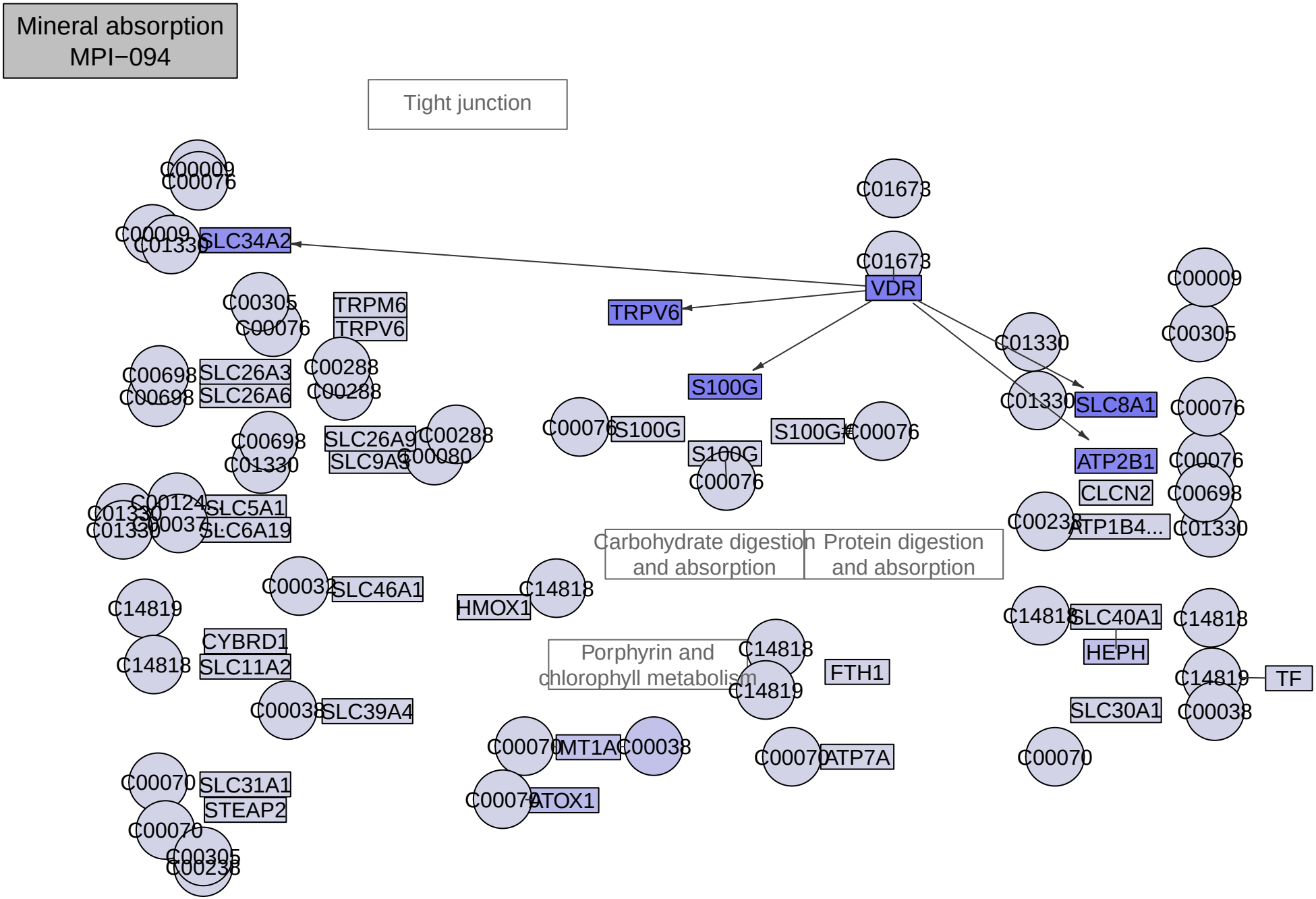
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TRPV6
TRPV6
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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CYBRD1
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SLC40A1
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HEPH
C14818
FTH1
Porphyrin and chlorophyll metabolism
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TF
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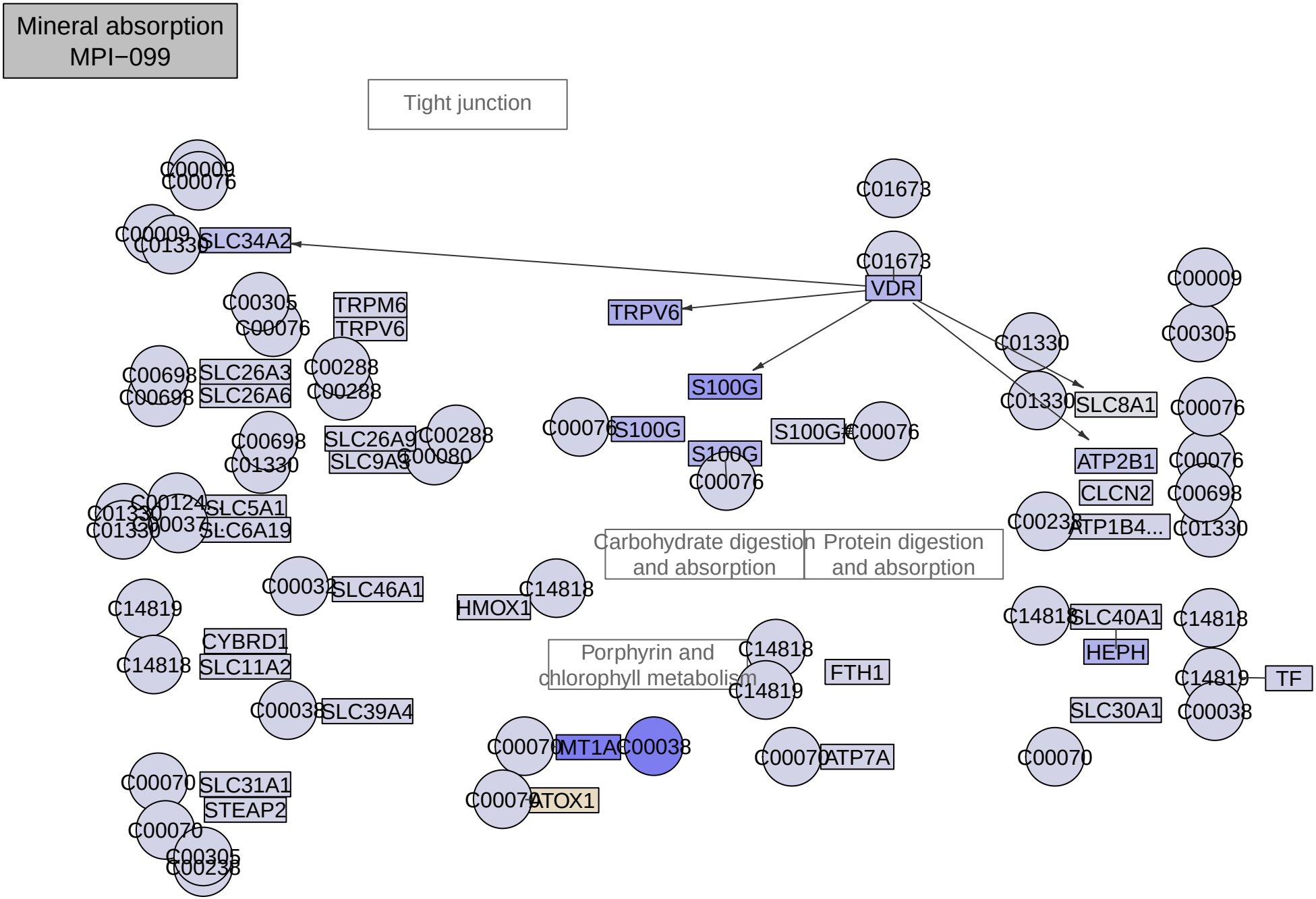
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TRPV6
TRPV6
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C01330
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S100G
S100G
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ATP2B1
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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Porphyrin and chlorophyll metabolism
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FTH1
HEPH
C14819
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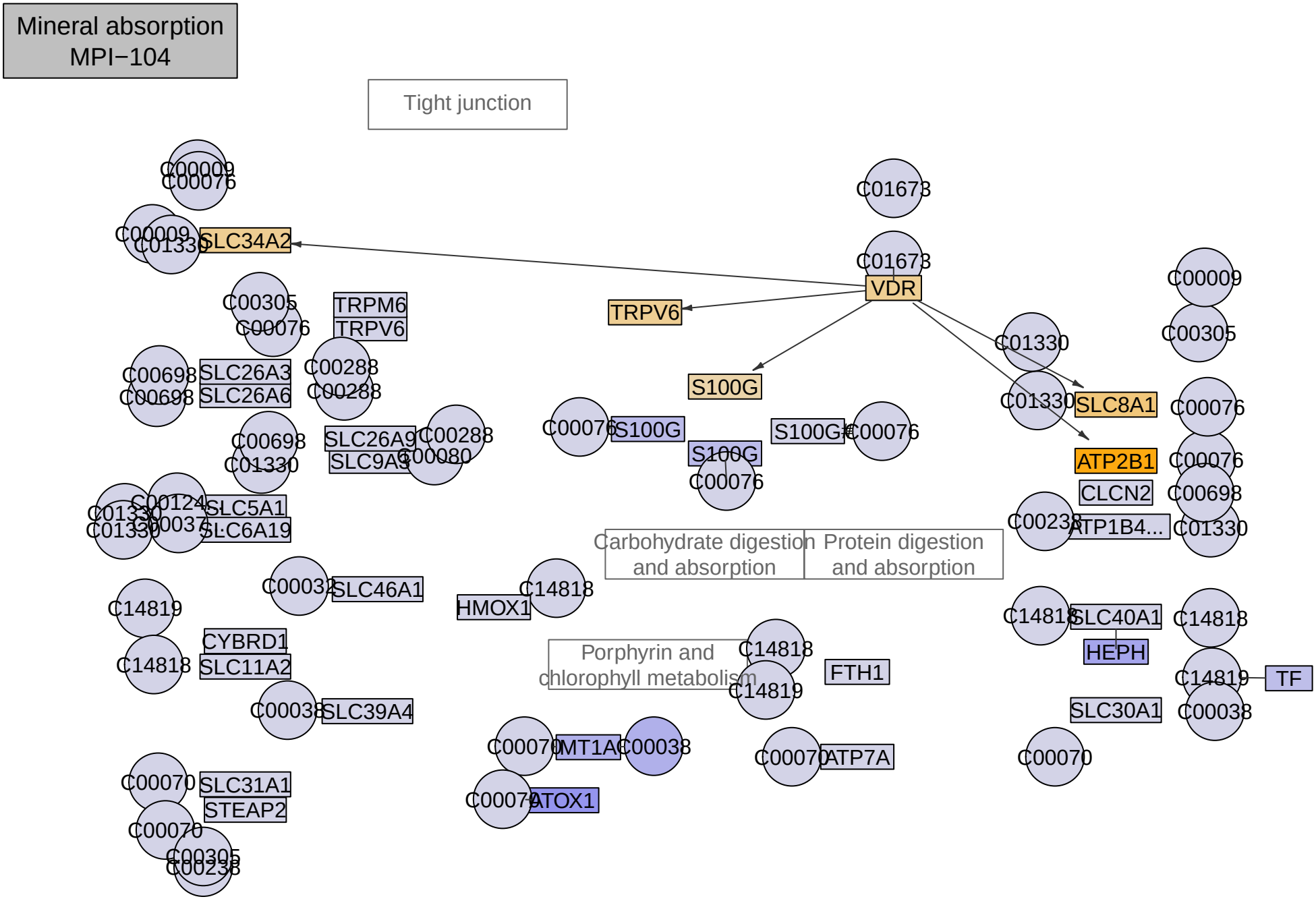
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Tight junction
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TRPV6
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S100G
S100G
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ATP2B1
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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SLC40A1
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CYBRD1
SLC11A2
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HEPH
Porphyrin and chlorophyll metabolism
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FTH1
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TF
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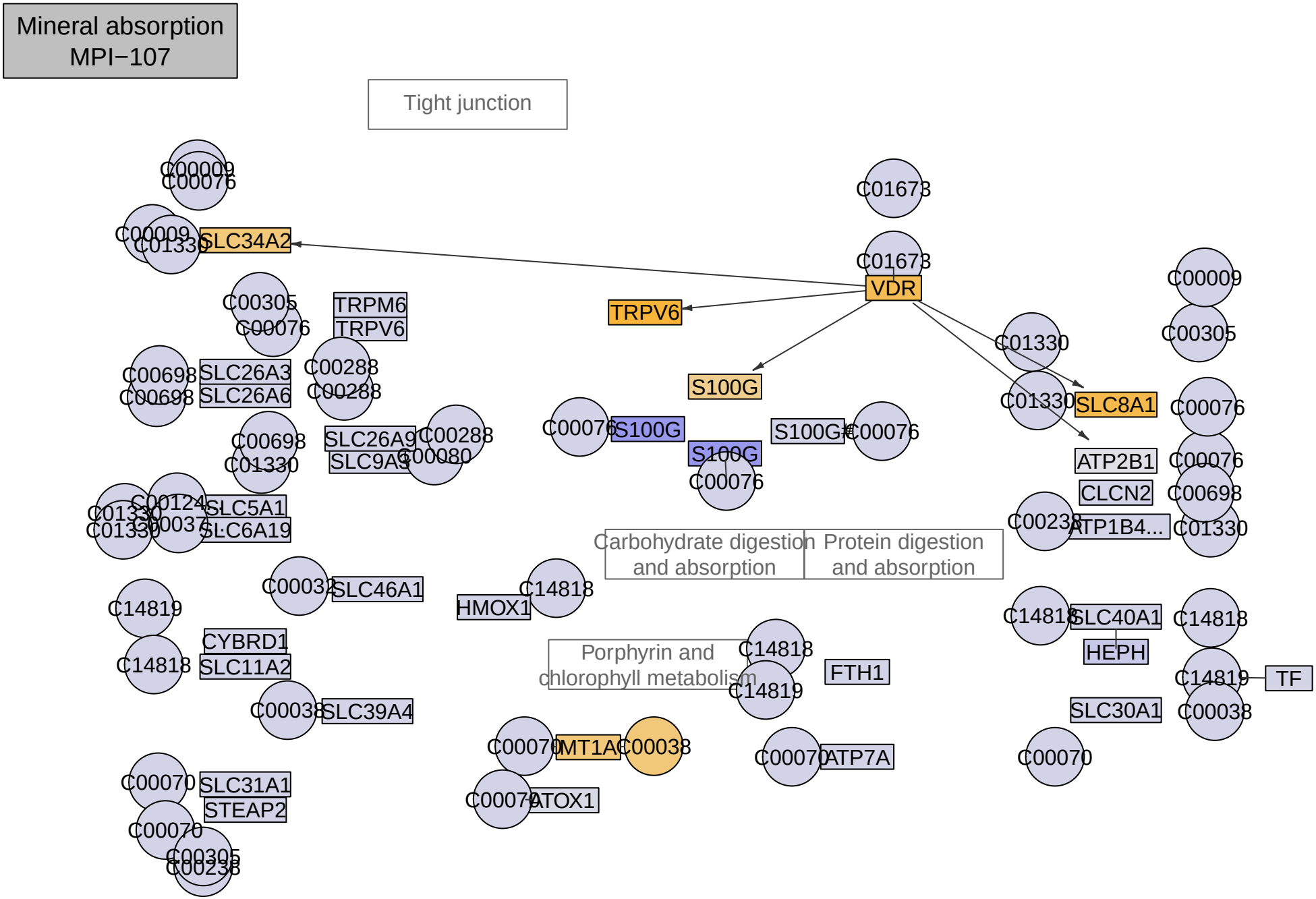
Mineral absorption
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TRPV6
TRPV6
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SLC26A6
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SLC8A1
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S100G
S100G
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C00076
ATP2B1
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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CYBRD1
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Porphyrin and chlorophyll metabolism
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HEPH
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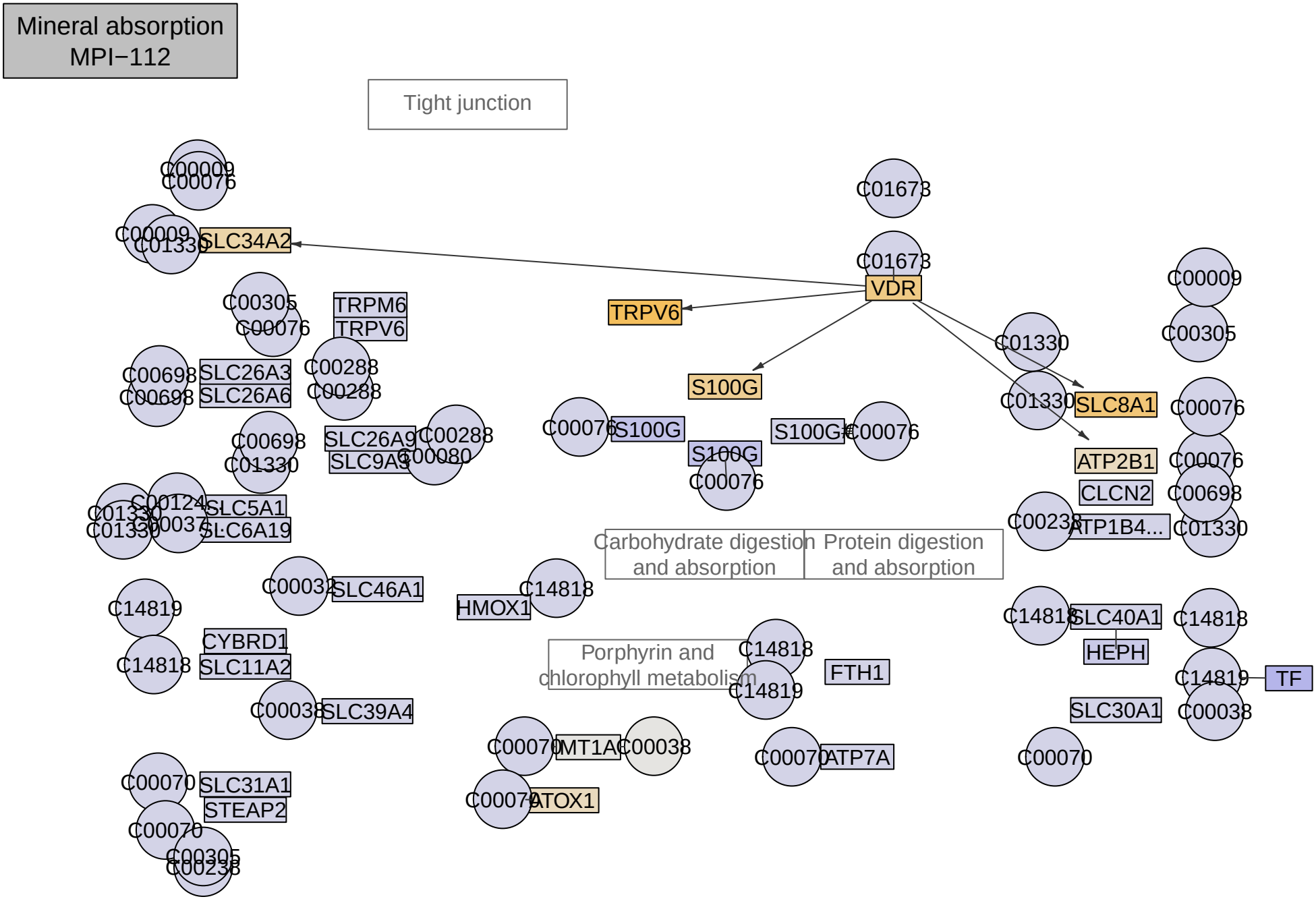
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TRPV6
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S100G
S100G
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CLCN2
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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SLC40A1
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CYBRD1
SLC11A2
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HEPH
Porphyrin and chlorophyll metabolism
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FTH1
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TF
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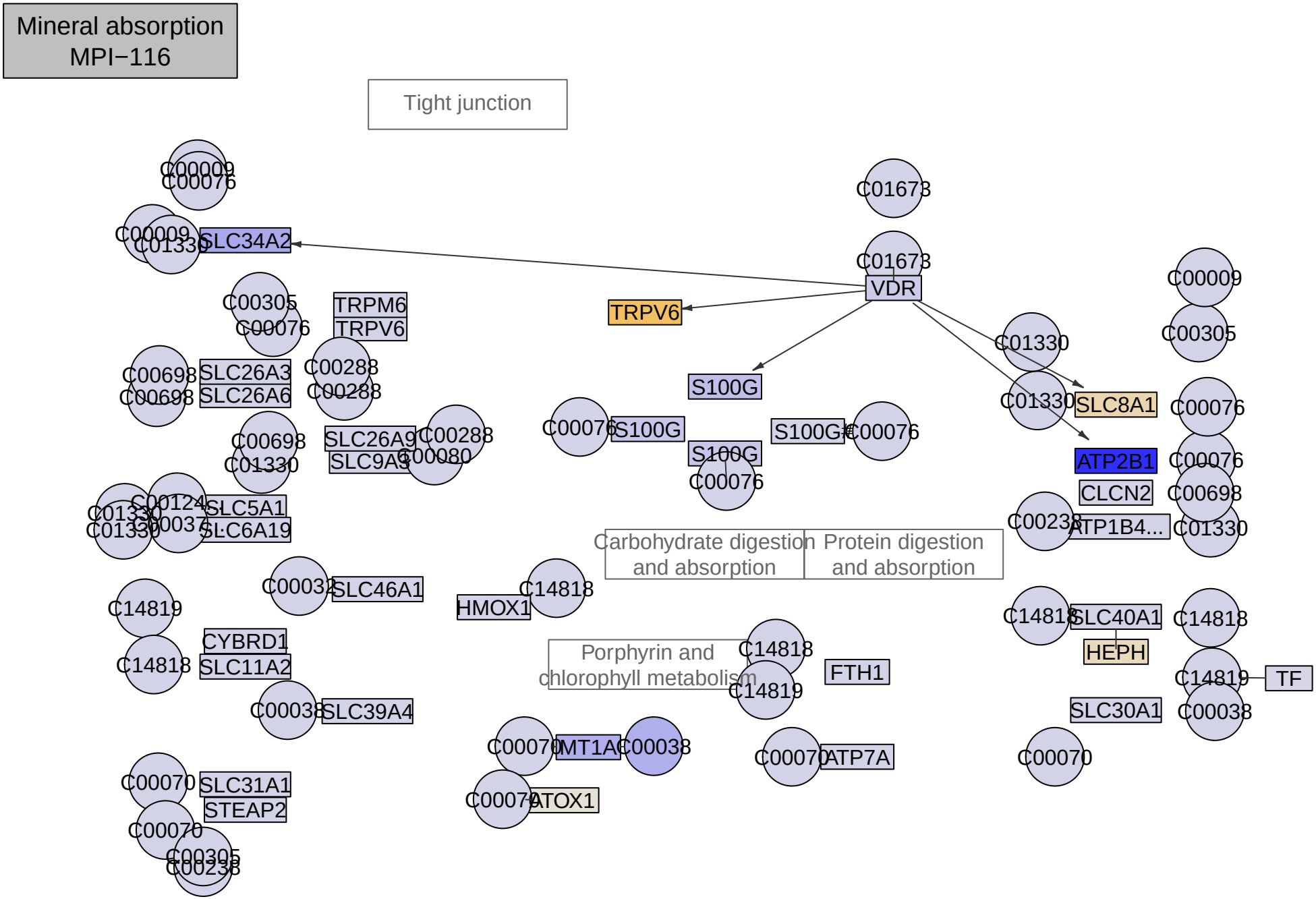
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C00076
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C01330
SLC26A9
SLC9A3
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SLC6A19
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
C00032
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Porphyrin and chlorophyll metabolism
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C14819
FTH1
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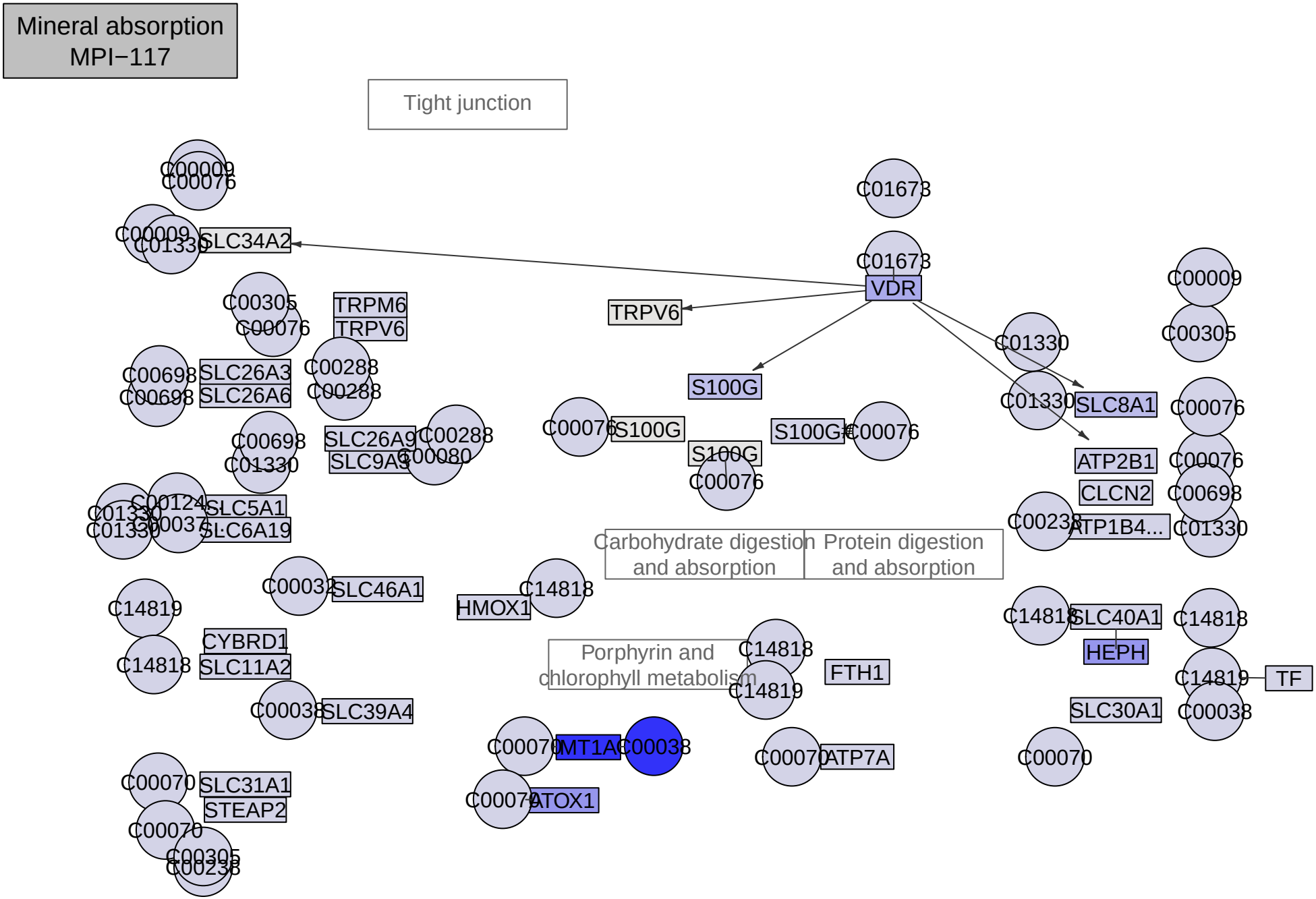
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CLCN2
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TRPV6
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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SLC11A2
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SLC39A4
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HMOX1
Porphyrin and chlorophyll metabolism
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ATP7A
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HEPH
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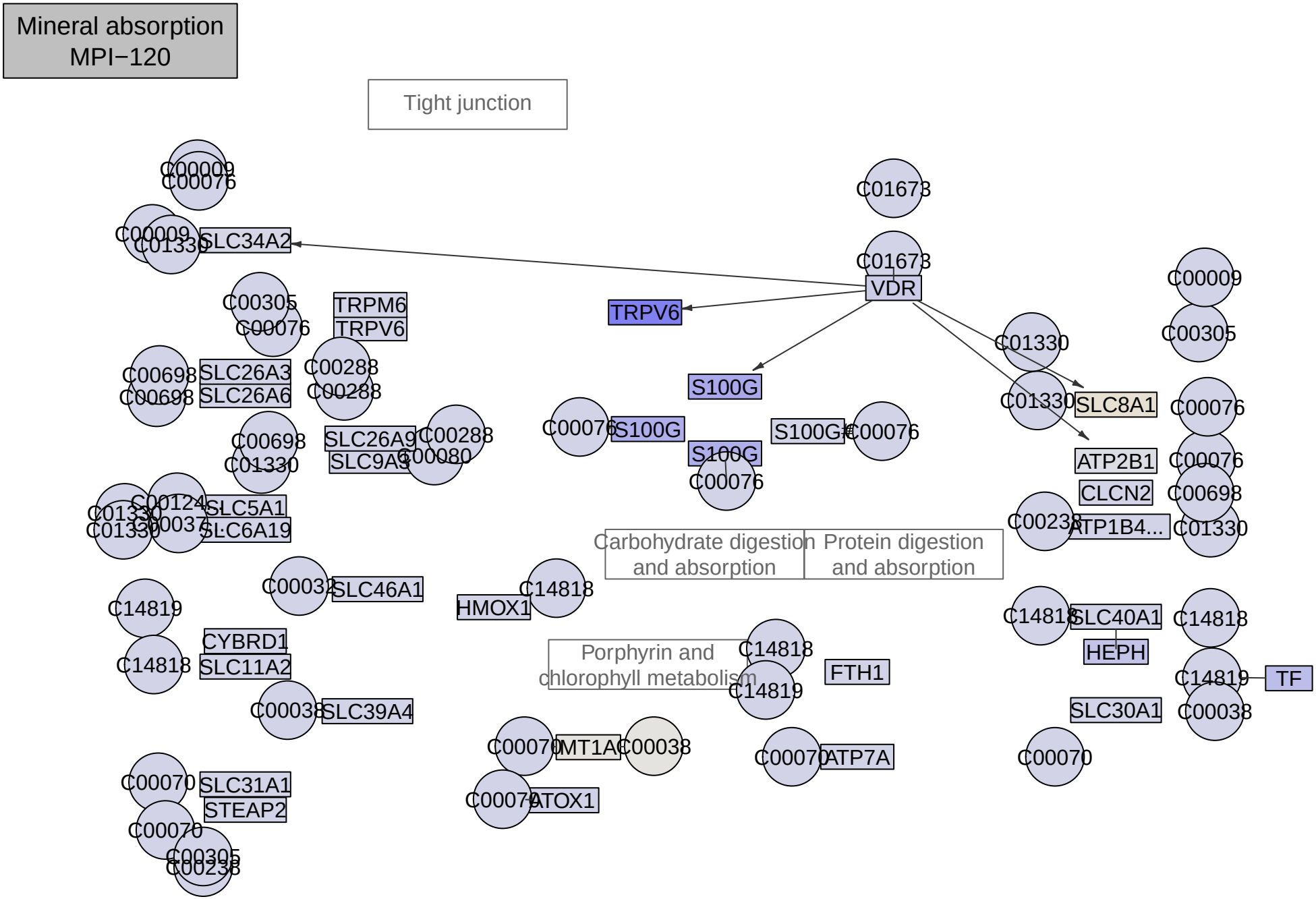
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VDR
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TRPV6
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S100G
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ATP2B1
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SLC6A19
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
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HEPH
Porphyrin and chlorophyll metabolism
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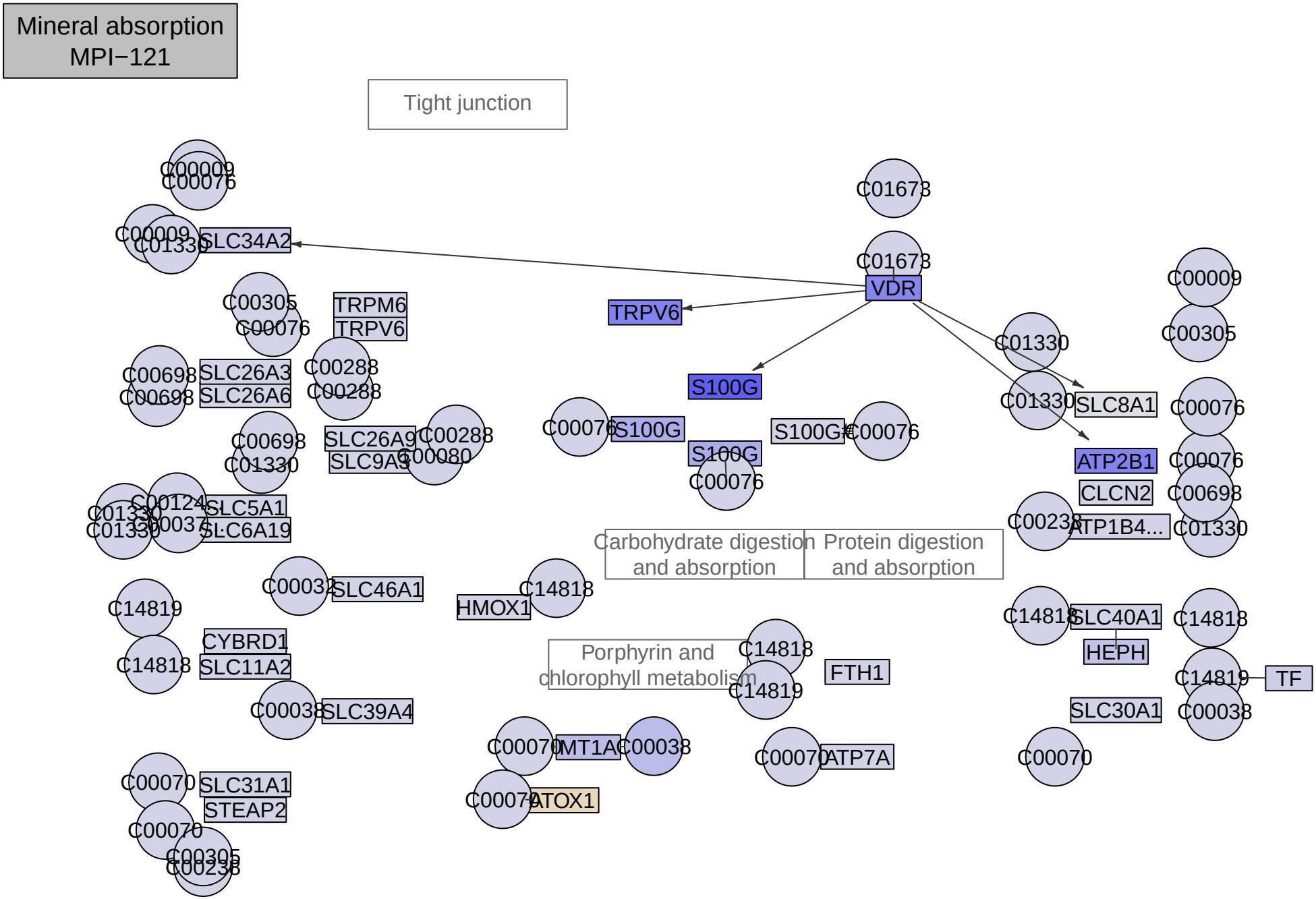
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VDR
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TRPV6
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SLC9A3
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CLCN2
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
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CYBRD1
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Porphyrin and chlorophyll metabolism
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FTH1
HEPH
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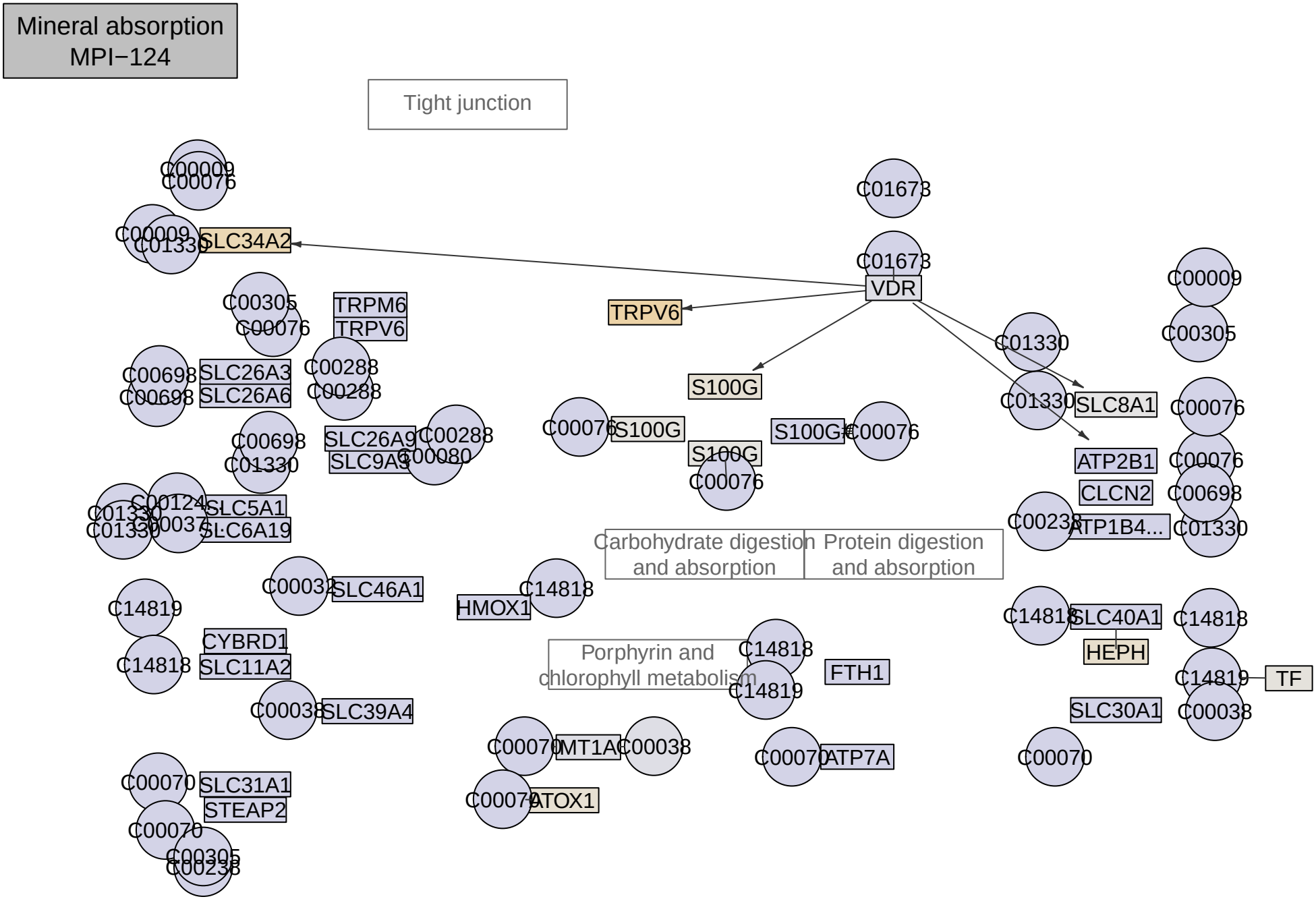
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TRPV6
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CLCN2
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SLC5A1
SLC6A19
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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C14818
FTH1
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TF
Porphyrin and chlorophyll metabolism
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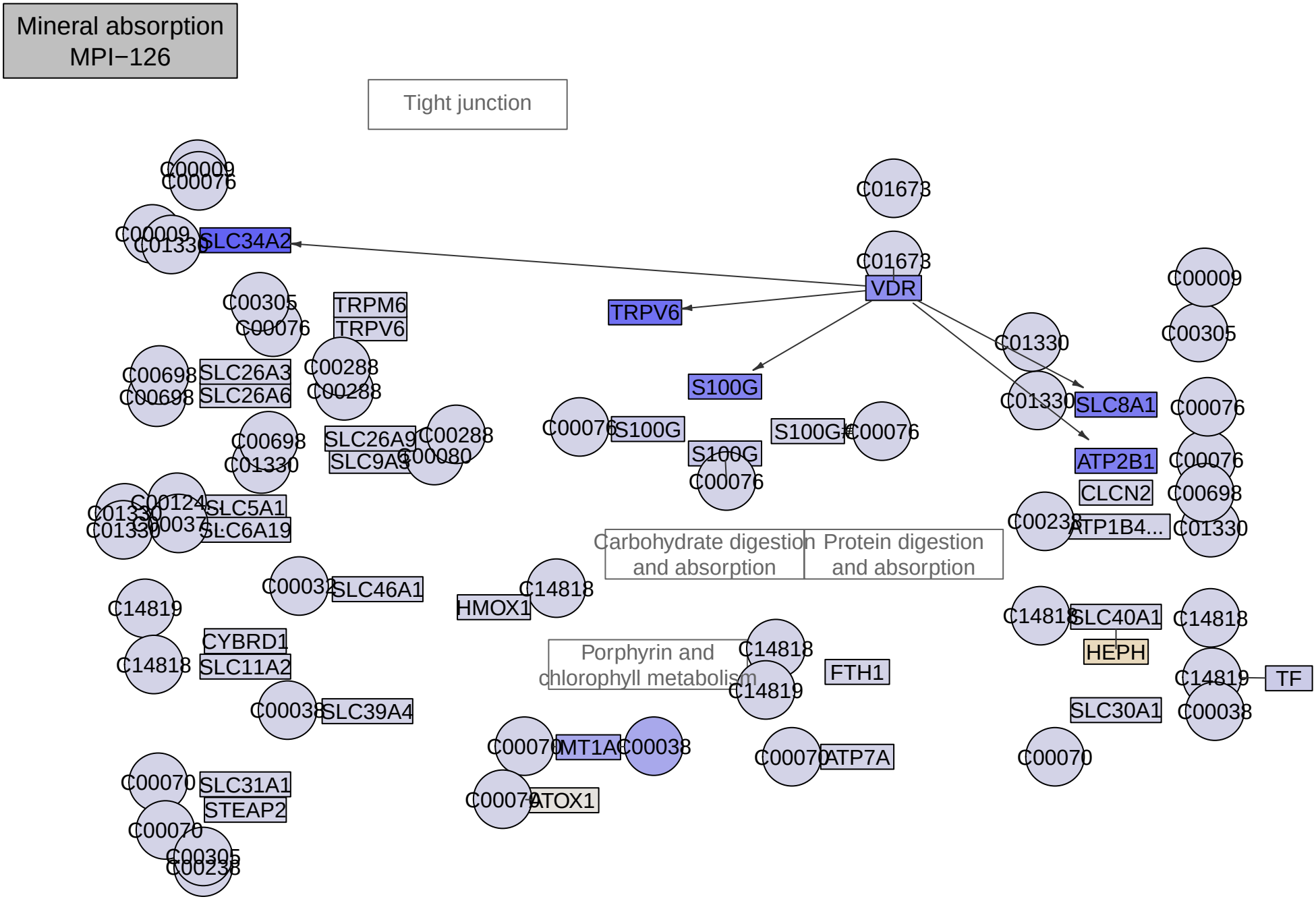
Mineral absorption
MPI−126
Tight junction
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TRPV6
TRPV6
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C00698
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SLC26A6
C00288
C00288
S100G
C01330
SLC8A1
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SLC26A9
SLC9A3
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S100G
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ATP2B1
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CLCN2
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SLC5A1
SLC6A19
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
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HMOX1
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HEPH
Porphyrin and chlorophyll metabolism
C14818
FTH1
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MT1A
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STEAP2
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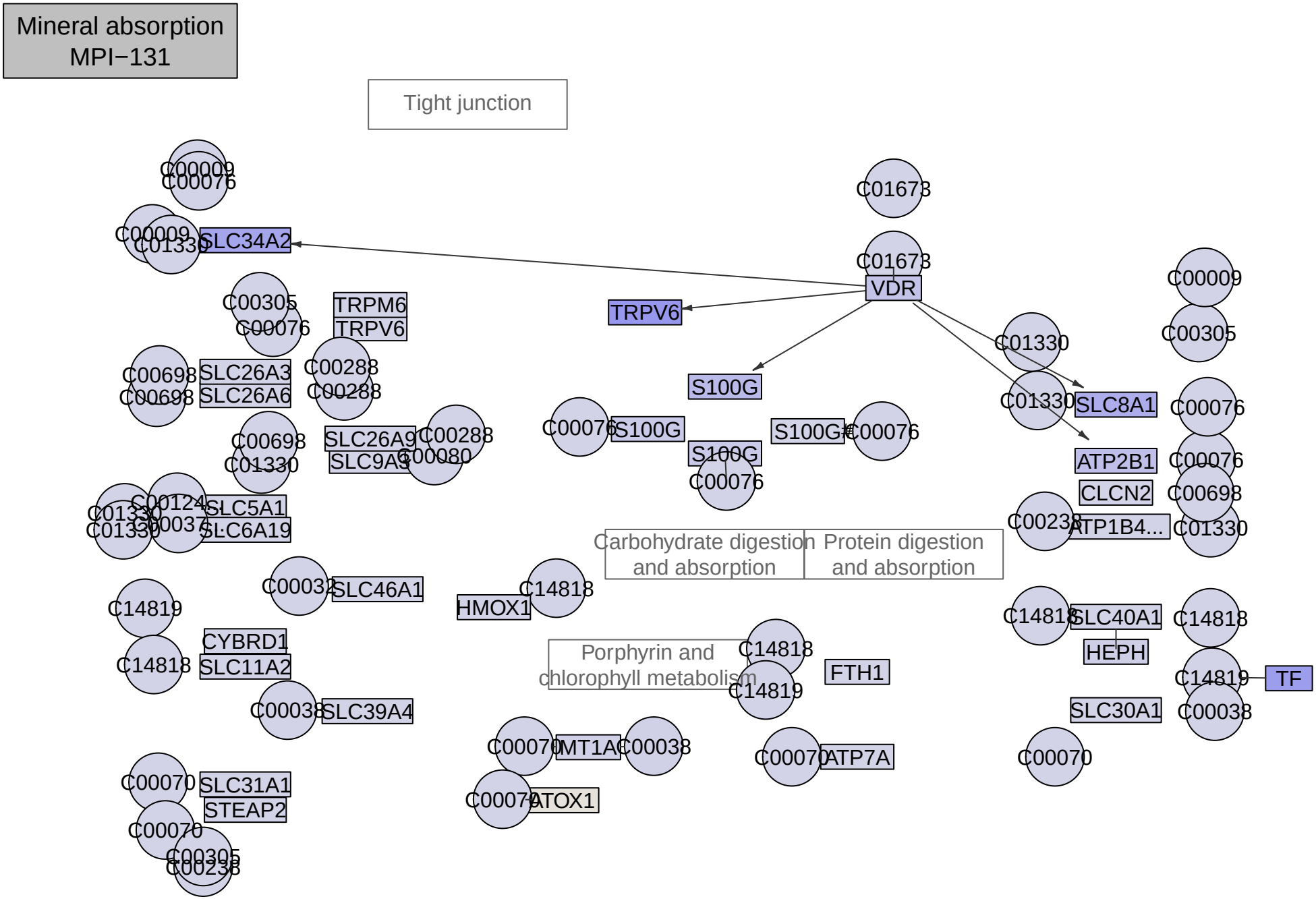
Mineral absorption
MPI−131
Tight junction
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CLCN2
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
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SLC39A4
C14818
HMOX1
Porphyrin and chlorophyll metabolism
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FTH1
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SLC40A1
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HEPH
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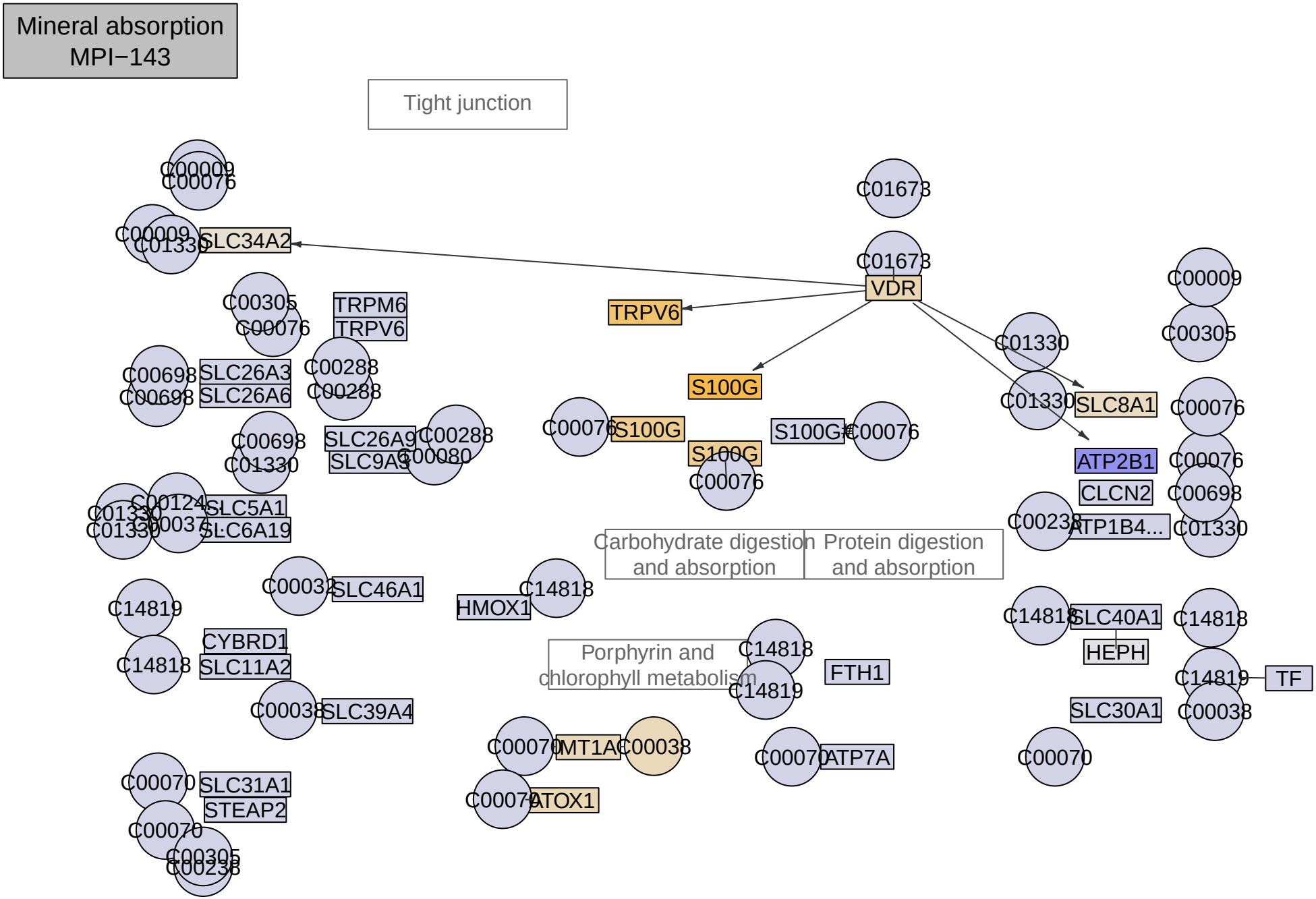
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CYBRD1
C14818
SLC11A2
C00038
SLC39A4
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SLC31A1
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C01673
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Carbohydrate digestion and absorption
Protein digestion and absorption
C14818
HMOX1
Porphyrin and chlorophyll metabolism
C14818
FTH1
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MT1A
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C00070
ATOX1
C00070
ATP7A
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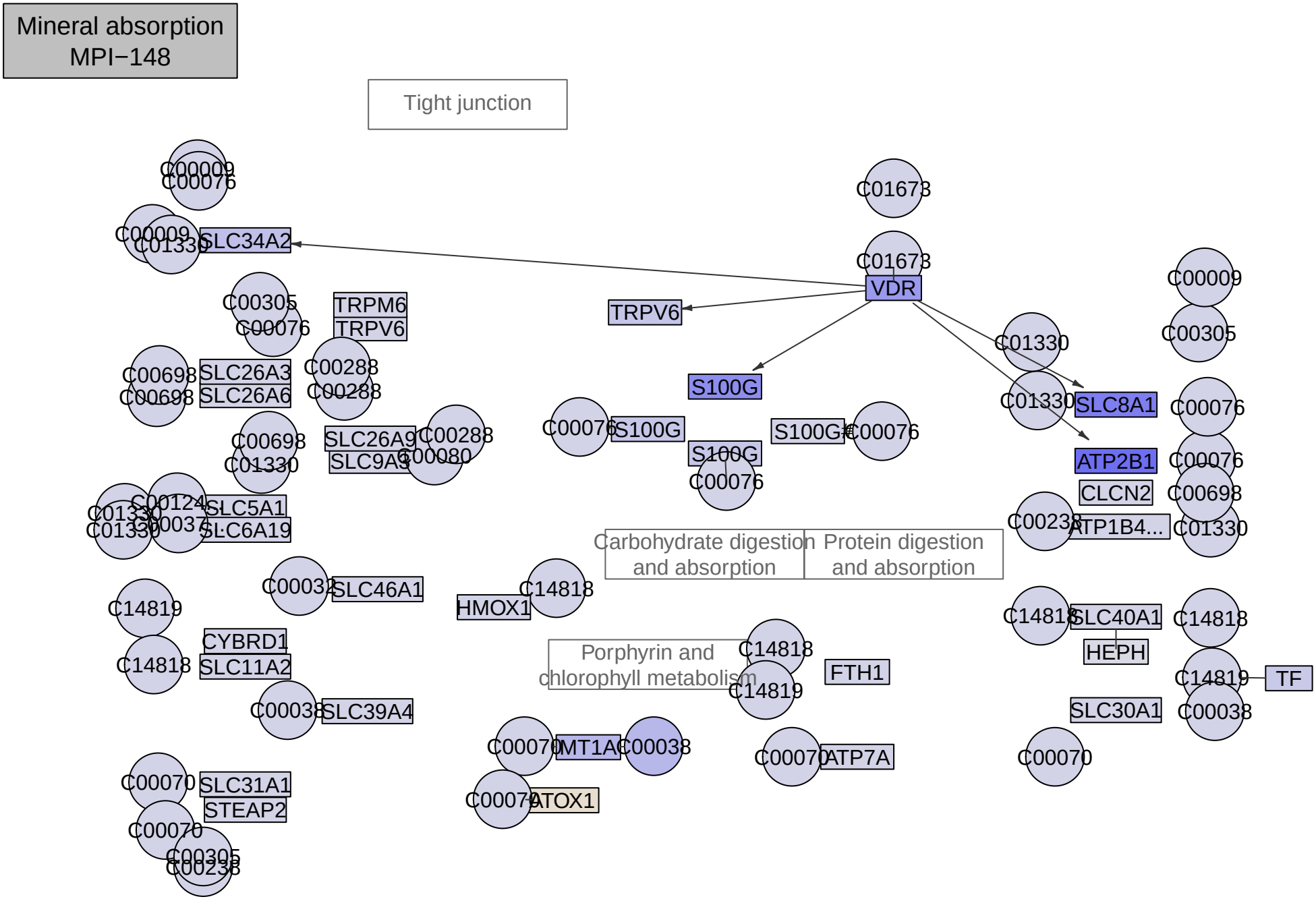
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TRPV6
TRPV6
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SLC26A3
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S100G
C00076
S100G
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CLCN2
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C00238
ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
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HMOX1
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C14818
SLC40A1
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CYBRD1
C14818
SLC11A2
Porphyrin and chlorophyll metabolism
C14818
C14819
FTH1
HEPH
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TF
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SLC30A1
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MT1A
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STEAP2
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ATOX1
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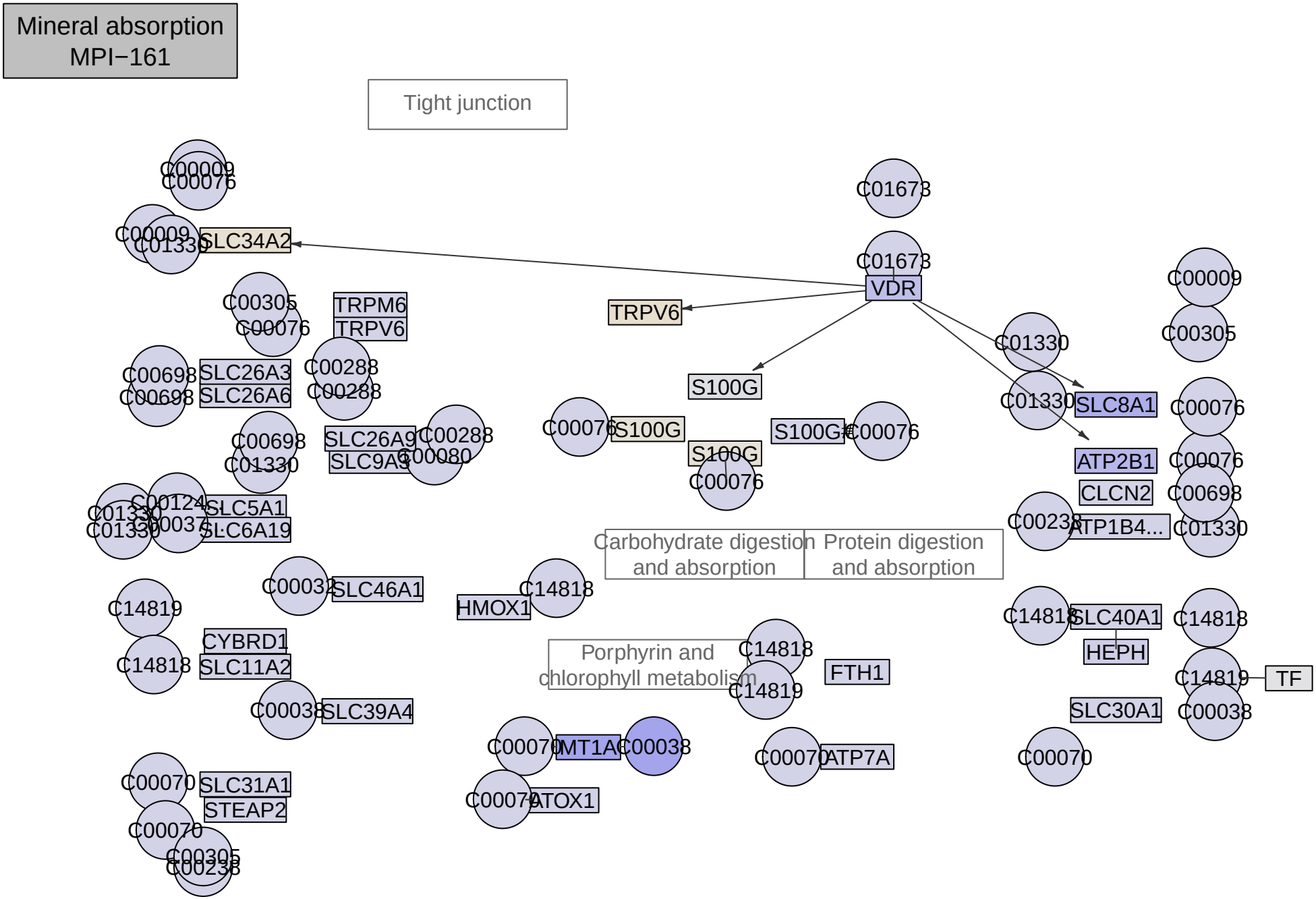
Mineral absorption
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VDR
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TRPV6
TRPV6
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SLC26A6
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C01330
SLC8A1
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C00698
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SLC26A9
SLC9A3
C00288
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S100G
S100G
S100G
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C00076
ATP2B1
C00076
C00124
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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C14818
SLC40A1
C14818
CYBRD1
C14818
SLC11A2
Porphyrin and chlorophyll metabolism
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FTH1
HEPH
C14819
TF
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SLC30A1
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MT1A
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STEAP2
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ATOX1
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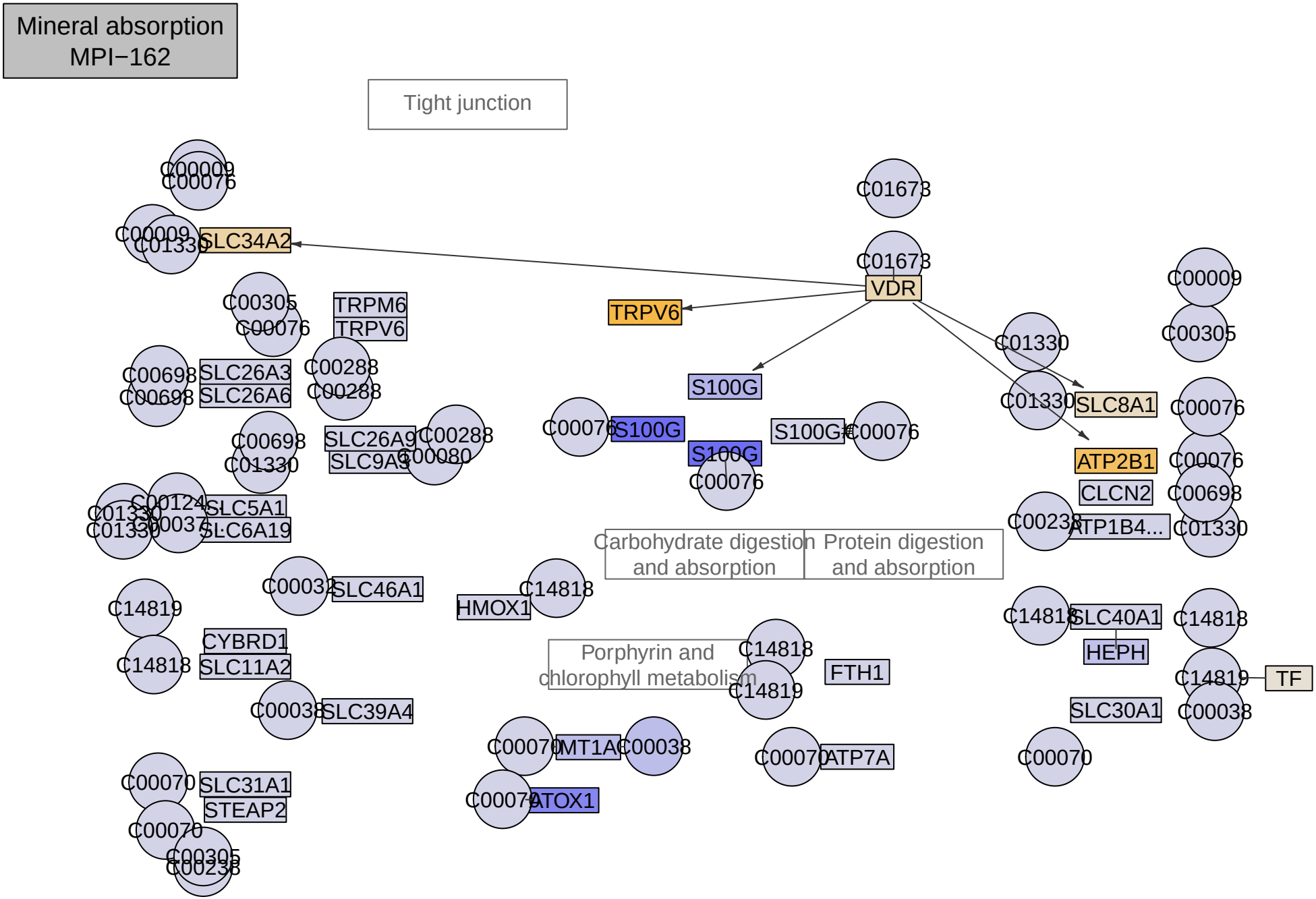
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VDR
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TRPV6
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C00698
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SLC26A6
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C00288
S100G
C01330
SLC8A1
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C00698
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C00080
C00076
S100G
S100G
S100G
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C00076
ATP2B1
C00076
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C01330
SLC5A1
SLC6A19
CLCN2
C00698
C00238
ATP1B4...
C01330
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14818
HMOX1
C14819
C14818
SLC40A1
C14818
CYBRD1
C14818
SLC11A2
Porphyrin and chlorophyll metabolism
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FTH1
HEPH
C14819
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STEAP2
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ATOX1
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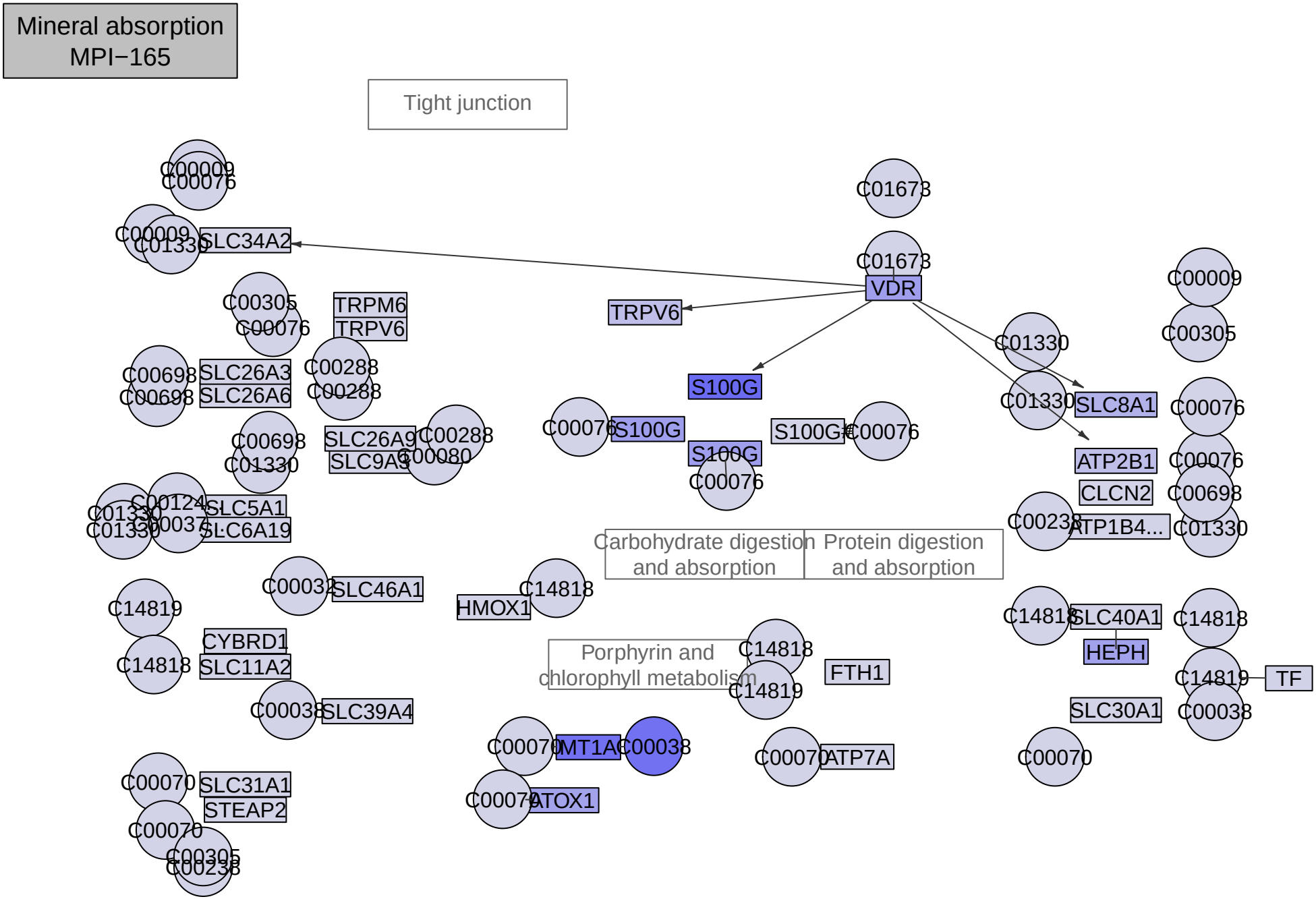
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SLC8A1
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CLCN2
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C00238
ATP1B4...
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TRPV6
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SLC26A6
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C00288
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SLC9A3
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C00124
C01330
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SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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C14819
CYBRD1
C14818
SLC11A2
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SLC39A4
HMOX1
C14818
Porphyrin and chlorophyll metabolism
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FTH1
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HEPH
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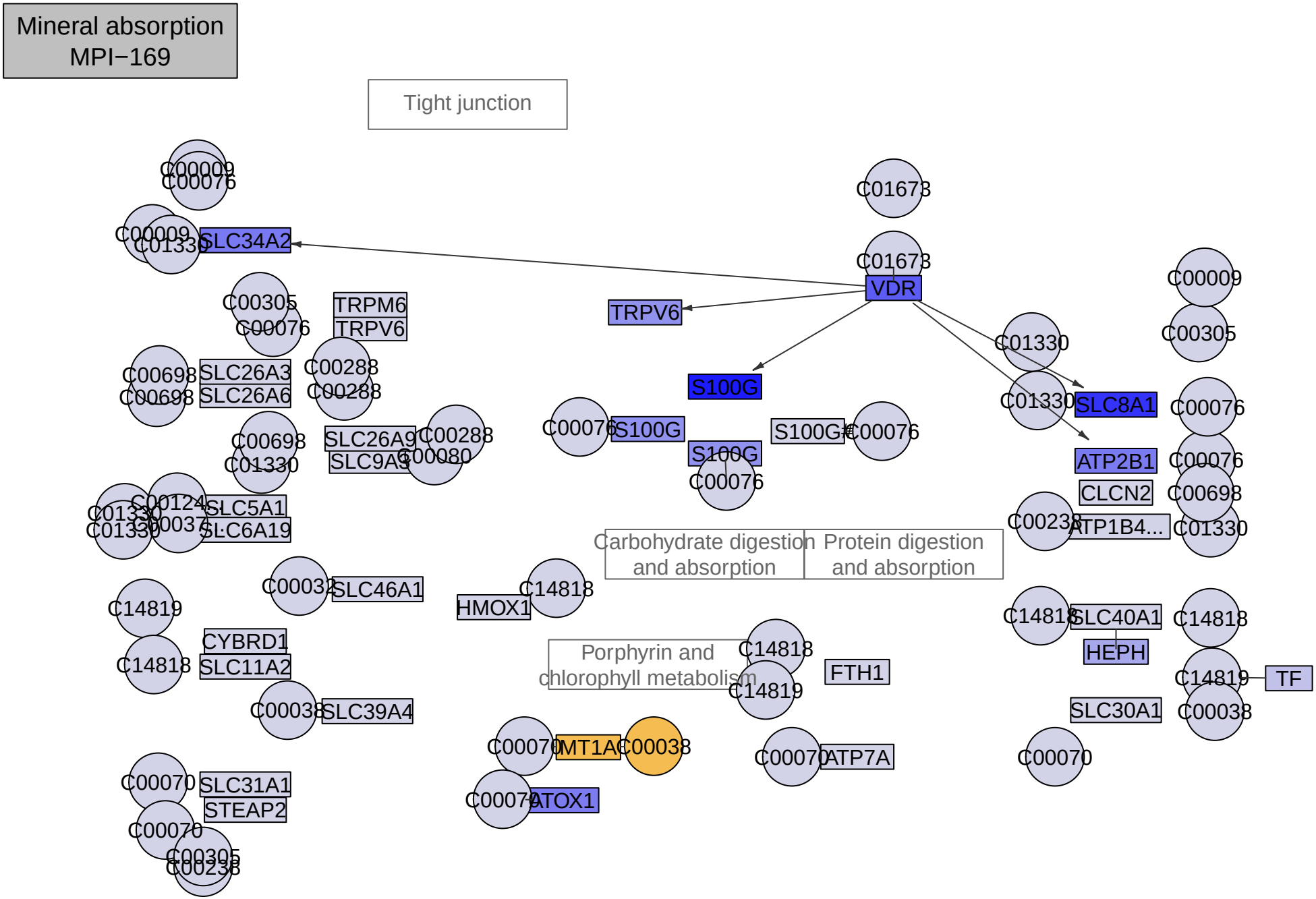
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ATP2B1
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CLCN2
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C00238
ATP1B4...
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TRPV6
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SLC26A6
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SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14818
HMOX1
C14819
CYBRD1
C14818
SLC11A2
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SLC39A4
Porphyrin and chlorophyll metabolism
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FTH1
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HEPH
C14819
TF
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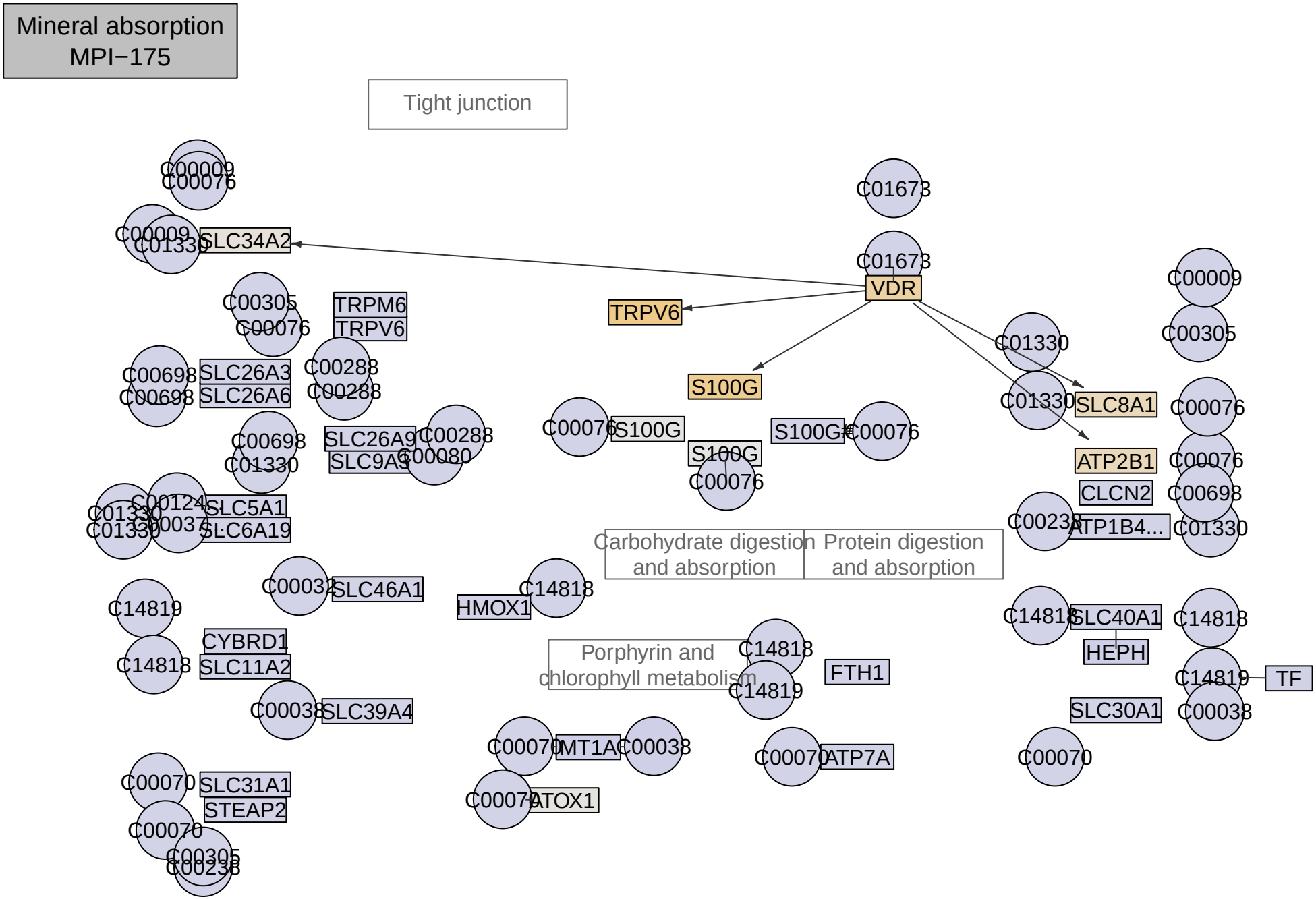
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SLC46A1
C14819
CYBRD1
C14818
SLC11A2
C00038
SLC39A4
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SLC31A1
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C01673
VDR
TRPV6
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Carbohydrate digestion and absorption
Protein digestion and absorption
C14818
HMOX1
Porphyrin and chlorophyll metabolism
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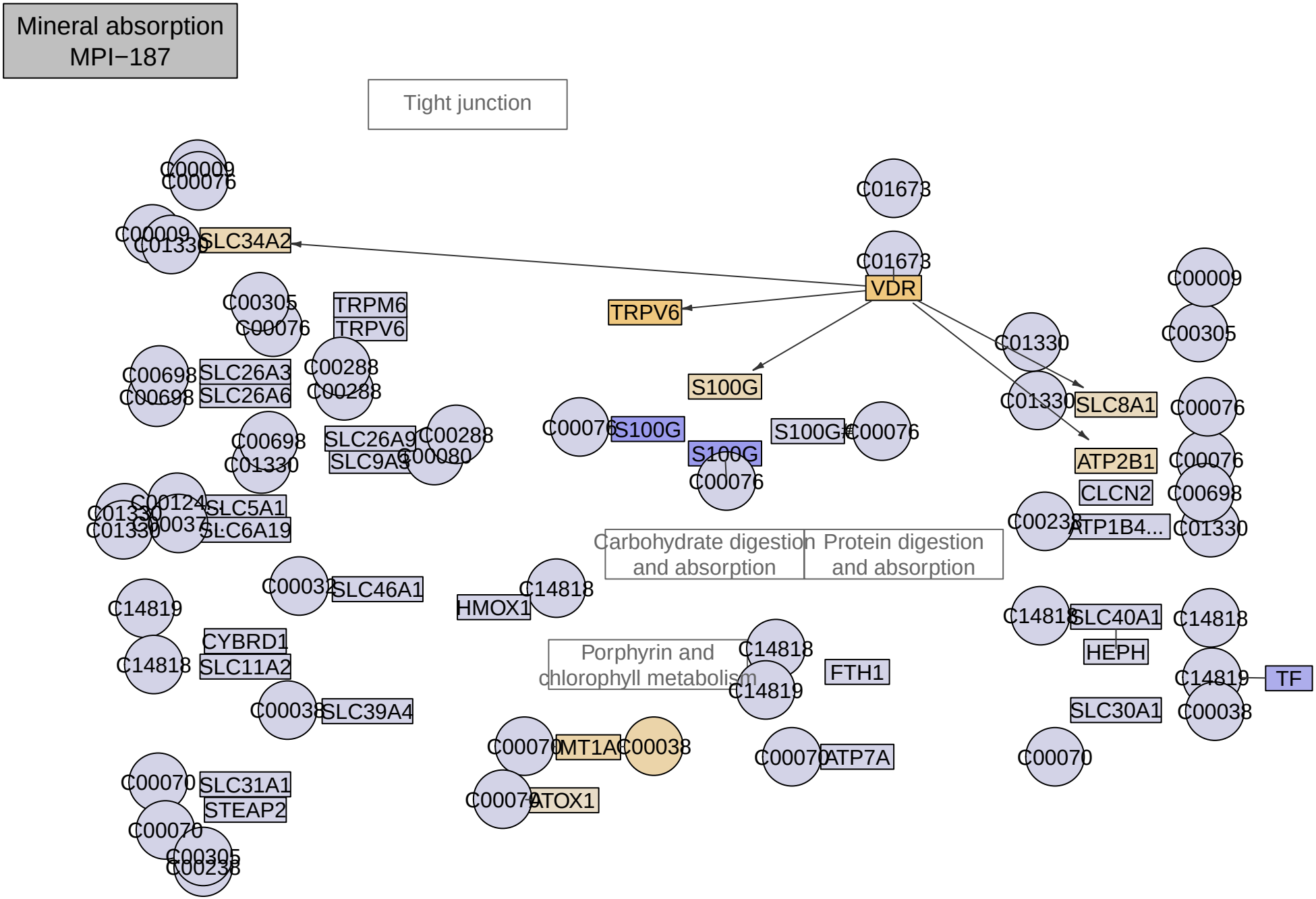
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ATP2B1
C00076
CLCN2
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ATP1B4...
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TRPV6
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SLC6A19
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Carbohydrate digestion and absorption
Protein digestion and absorption
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C14819
CYBRD1
C14818
SLC11A2
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SLC39A4
C14818
HMOX1
Porphyrin and chlorophyll metabolism
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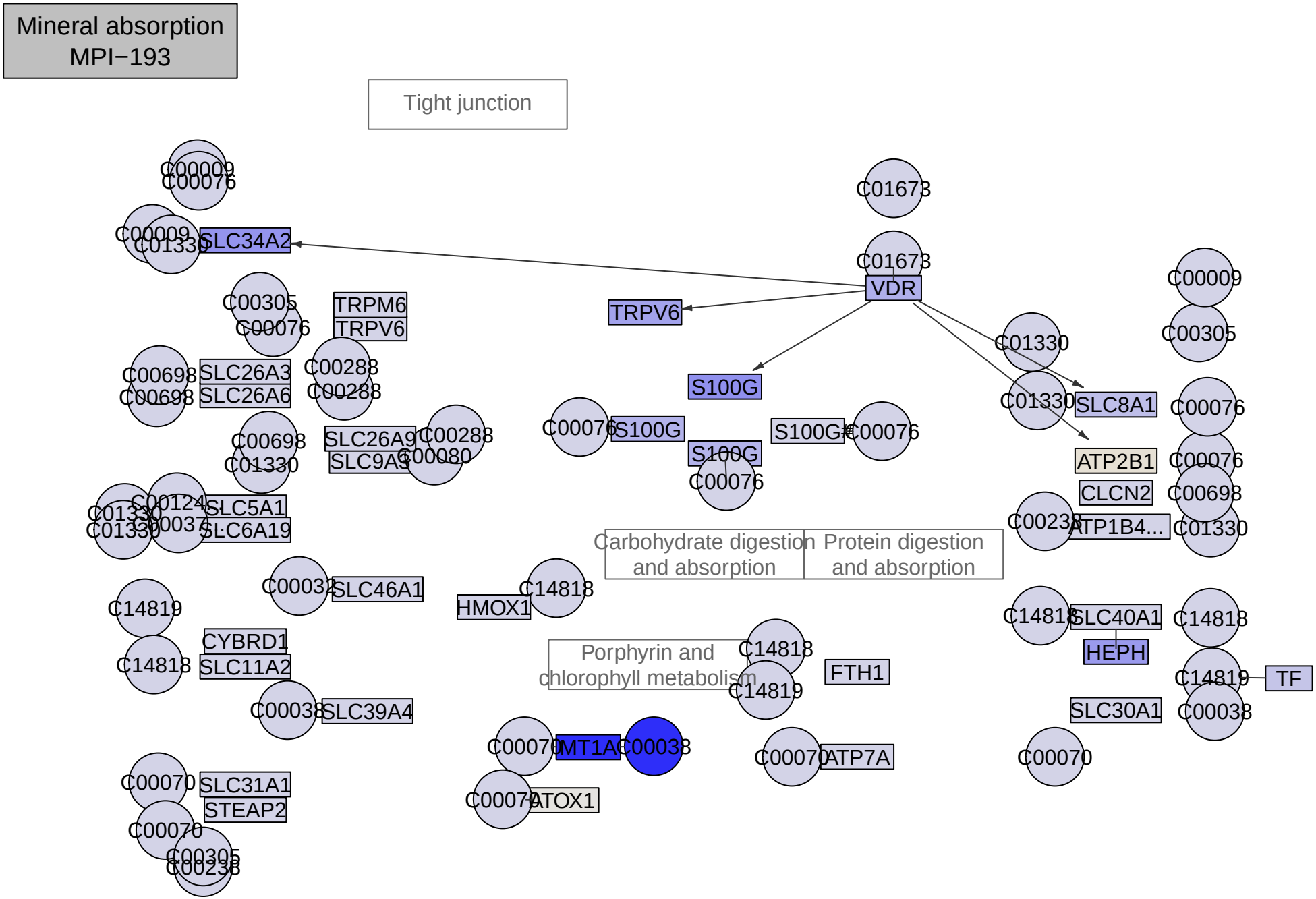
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SLC8A1
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ATP2B1
C00076
CLCN2
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ATP1B4...
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SLC9A3
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
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HMOX1
C14819
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C14818
SLC40A1
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HEPH
CYBRD1
C14818
SLC11A2
Porphyrin and chlorophyll metabolism
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FTH1
C14819
TF
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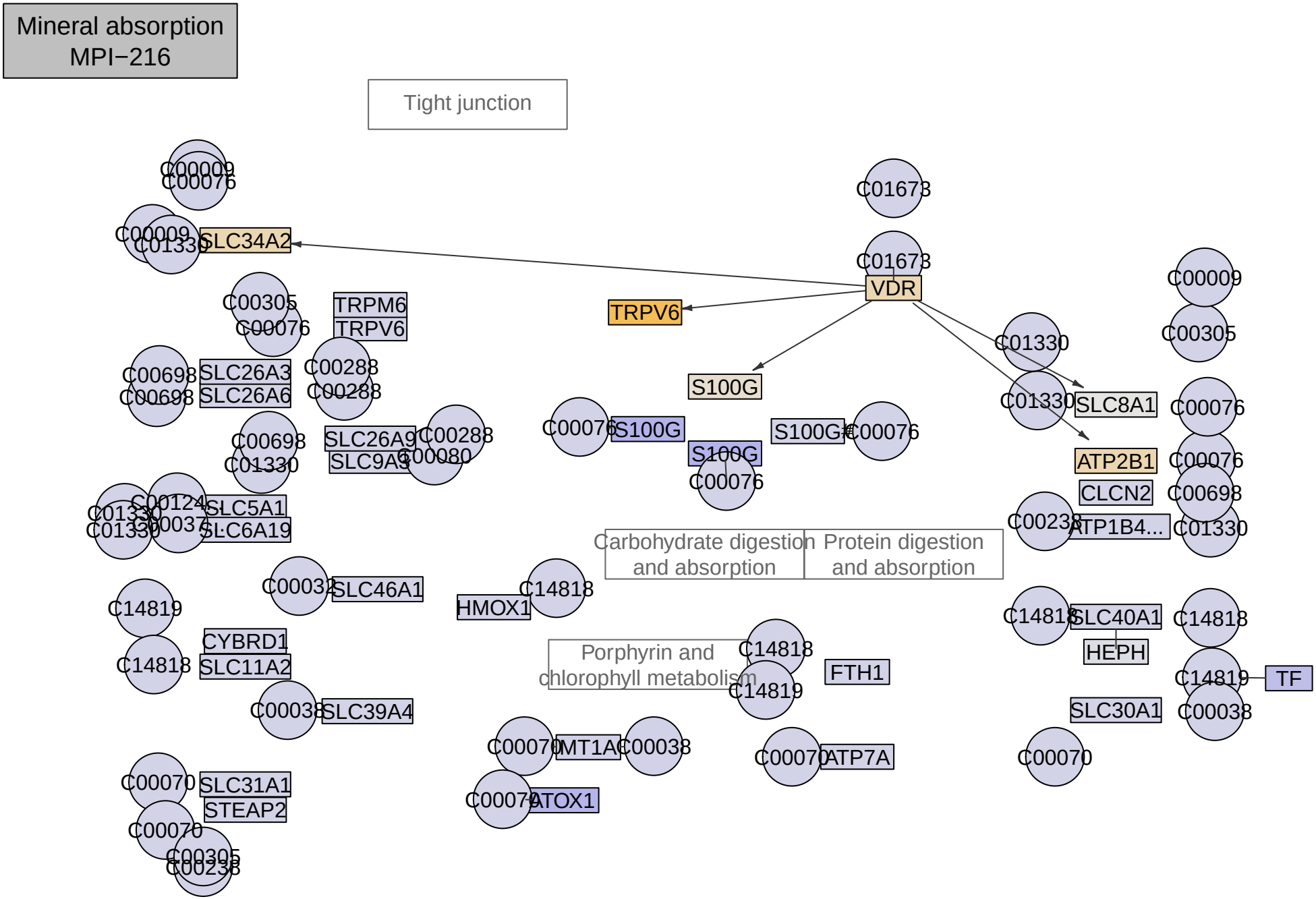
Mineral absorption
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C00076
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S100G
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ATP2B1
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
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CYBRD1
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Porphyrin and chlorophyll metabolism
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FTH1
HEPH
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ATOX1
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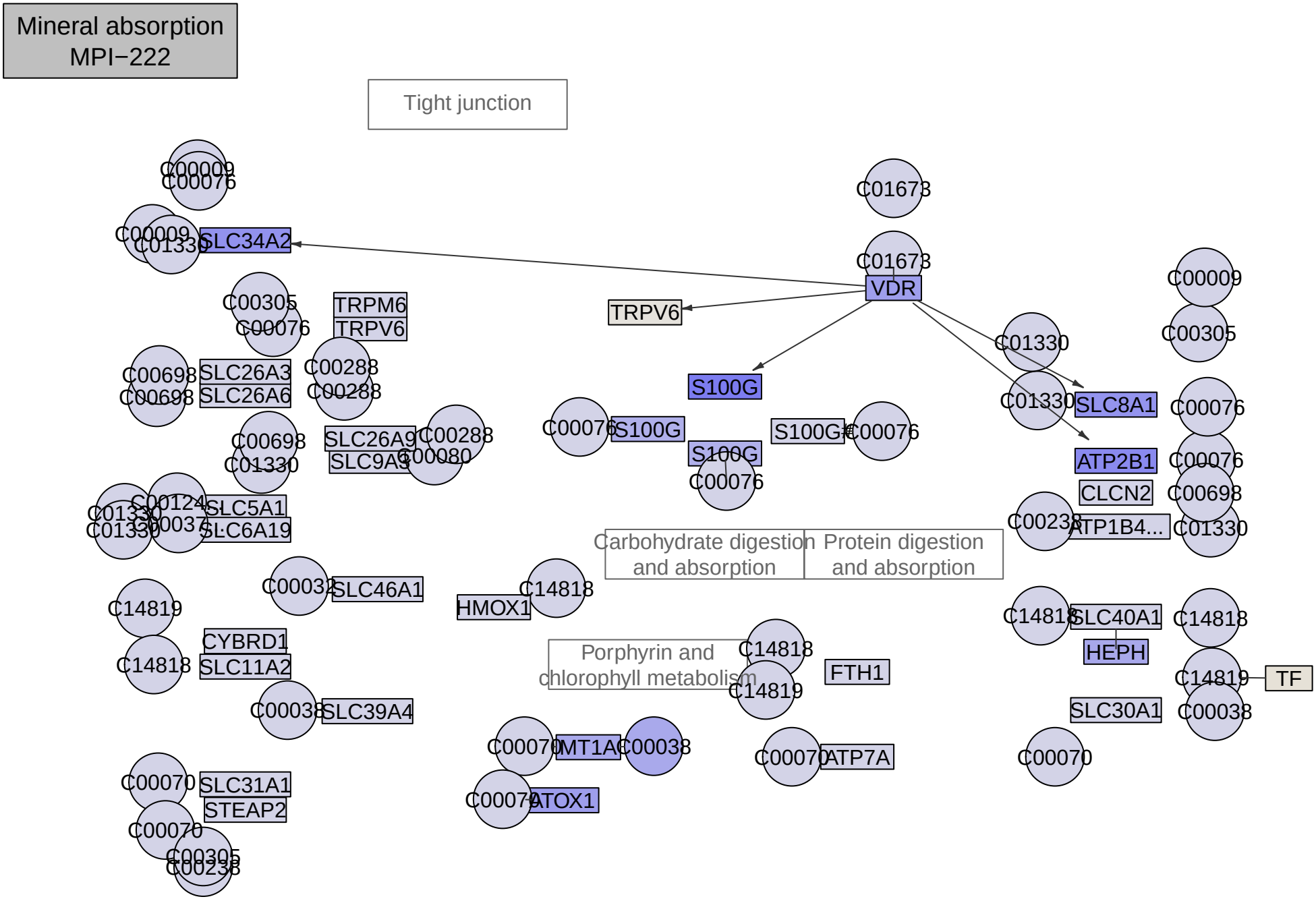
Mineral absorption
MPI−222
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SLC34A2
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SLC8A1
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ATP2B1
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CLCN2
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ATP1B4...
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TRPV6
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SLC9A3
C00288
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C01330
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SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
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SLC39A4
C14818
HMOX1
Porphyrin and chlorophyll metabolism
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FTH1
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C14819
TF
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STEAP2
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ATP7A
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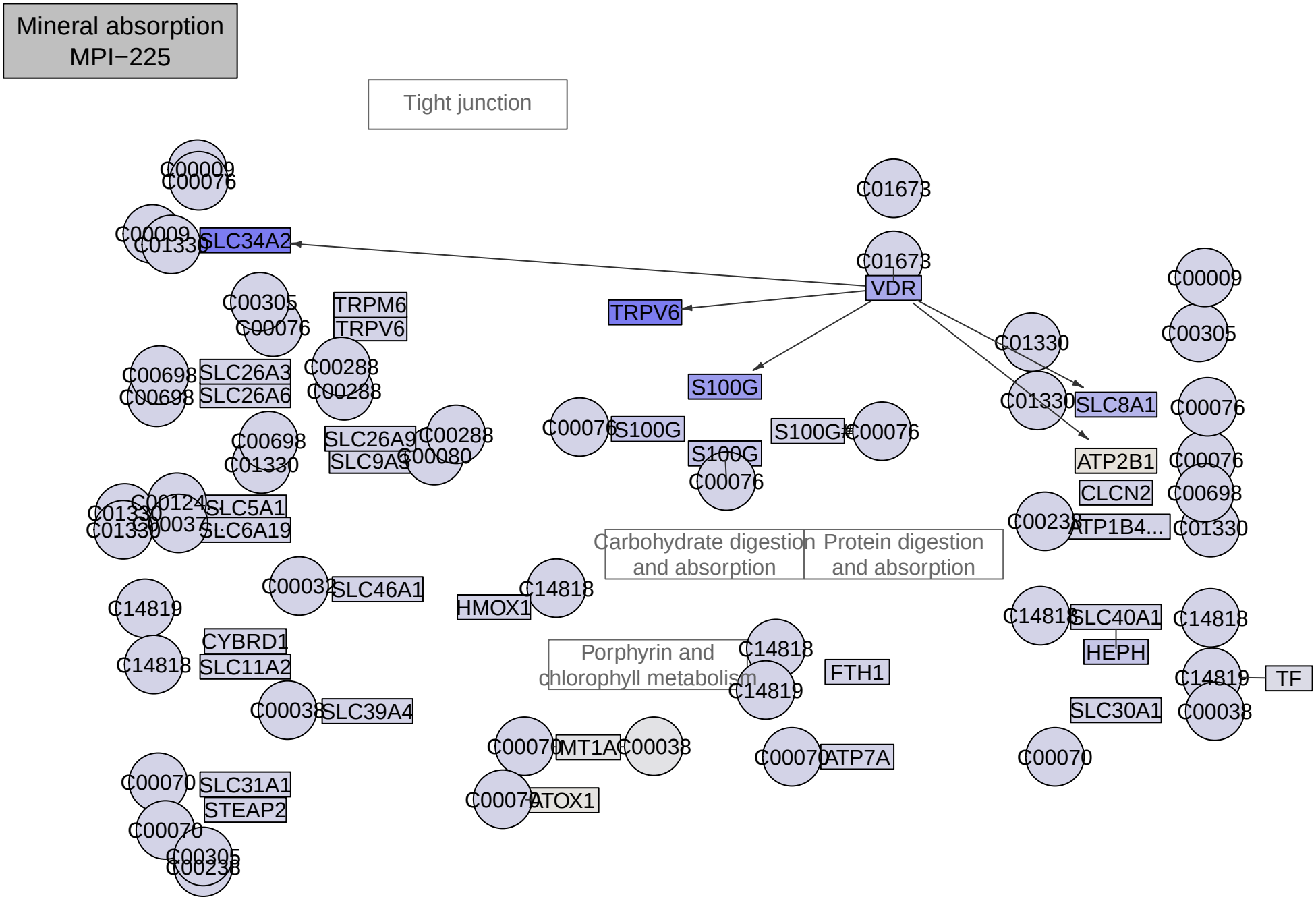
Mineral absorption
MPI−225
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VDR
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TRPV6
TRPV6
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SLC5A1
SLC6A19
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ATP1B4...
C01330
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14818
HMOX1
C14819
CYBRD1
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SLC11A2
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SLC40A1
C14818
HEPH
Porphyrin and chlorophyll metabolism
C14818
FTH1
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TF
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SLC30A1
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MT1A
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ATP7A
C00070
C00070
SLC31A1
STEAP2
C00070
ATOX1
C00070
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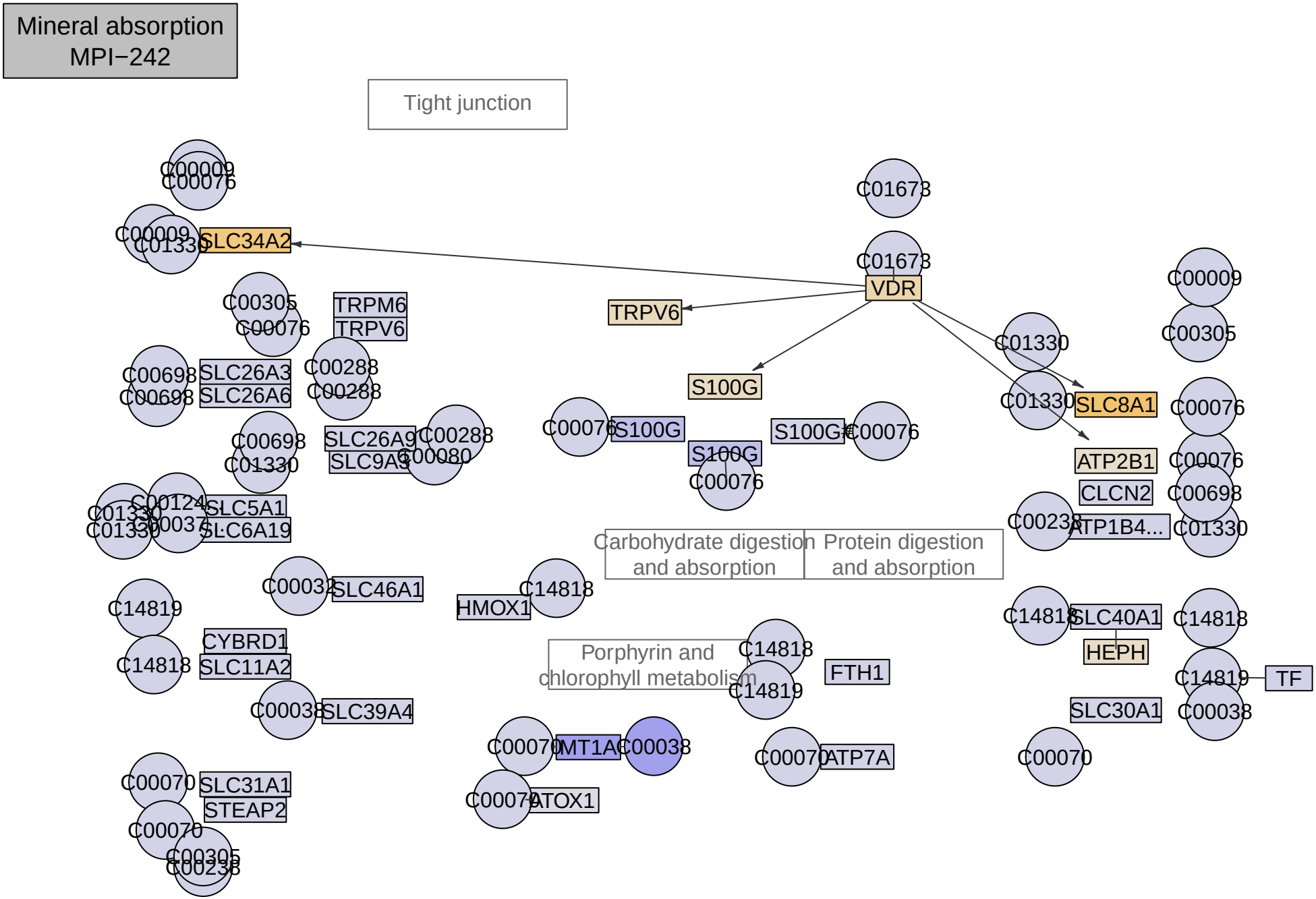
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Protein digestion and absorption
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CYBRD1
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SLC11A2
Porphyrin and chlorophyll metabolism
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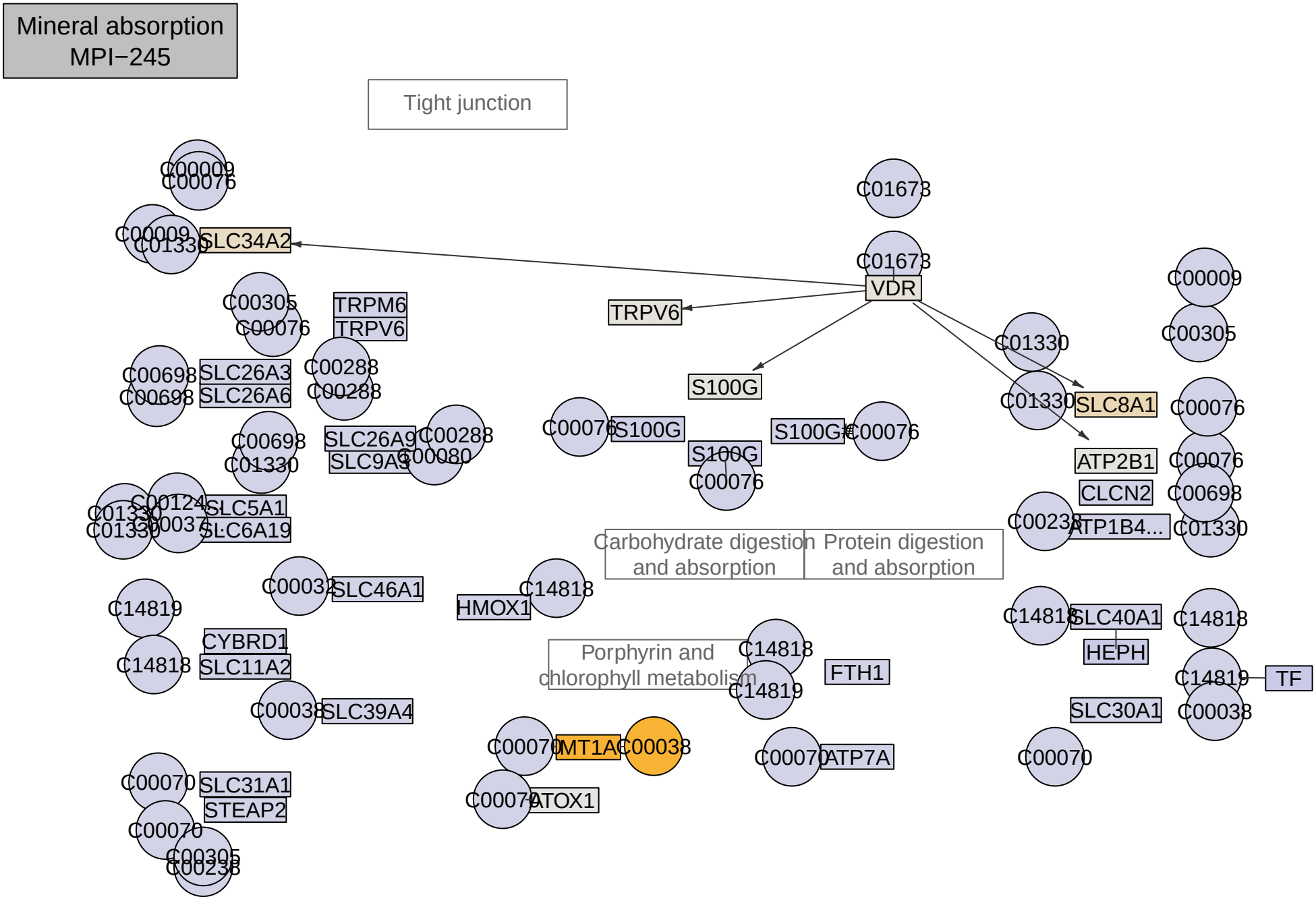
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Protein digestion and absorption
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FTH1
Porphyrin and chlorophyll metabolism
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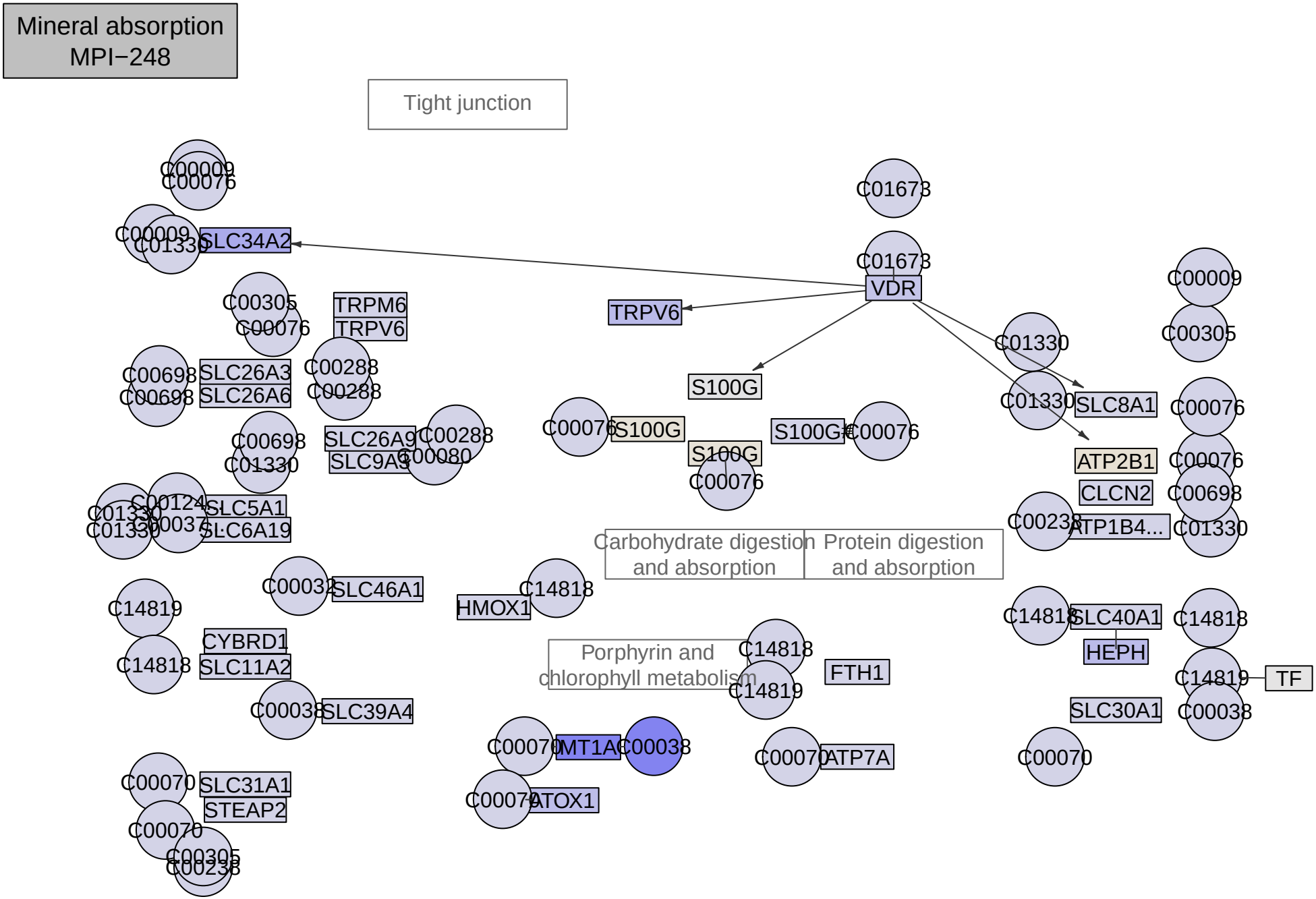
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CLCN2
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C00238
ATP1B4...
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TRPV6
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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HMOX1
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FTH1
Porphyrin and chlorophyll metabolism
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ATP7A
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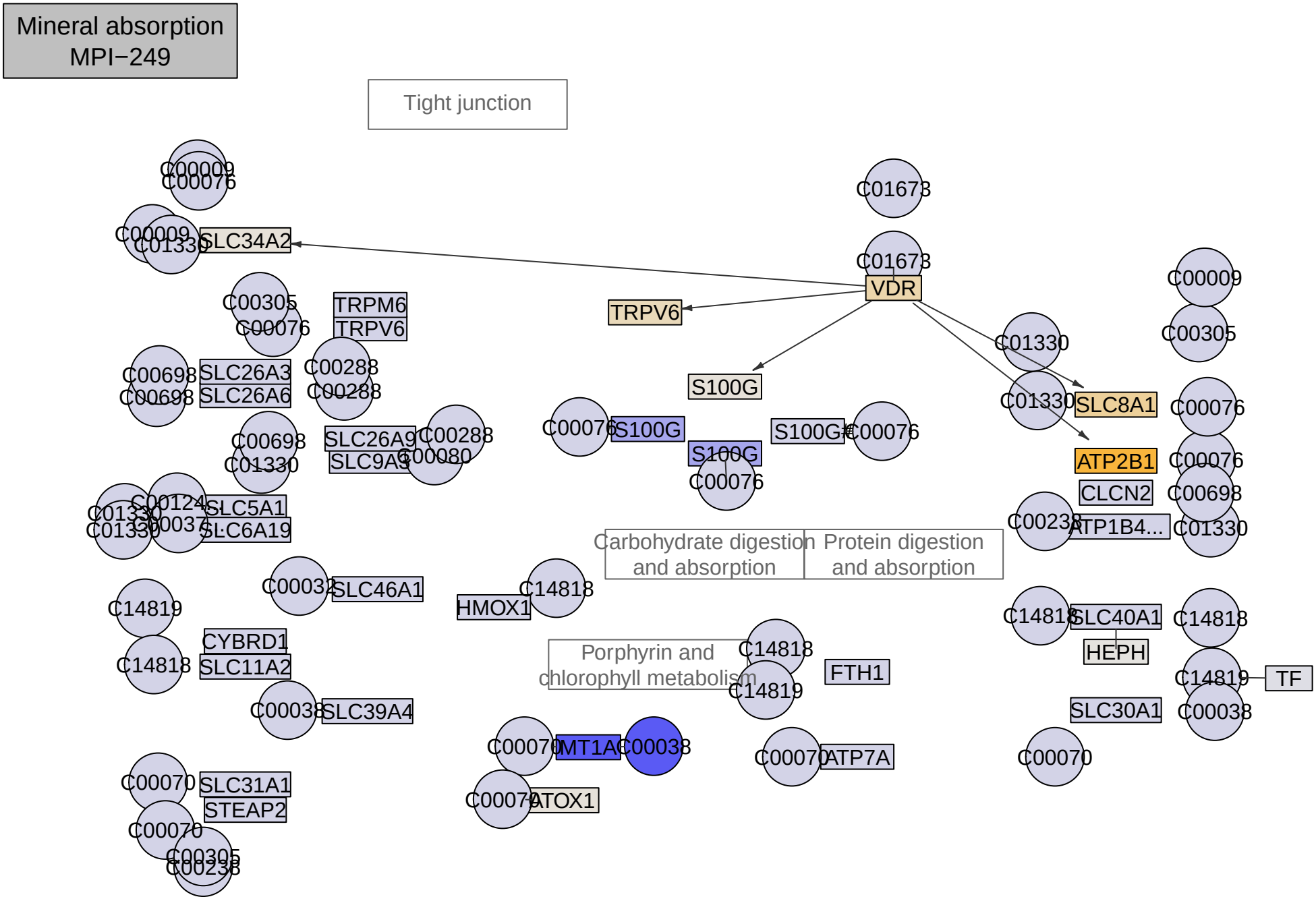
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VDR
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ATP2B1
C00076
CLCN2
C00698
C00238
ATP1B4...
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TRPV6
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SLC9A3
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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Porphyrin and chlorophyll metabolism
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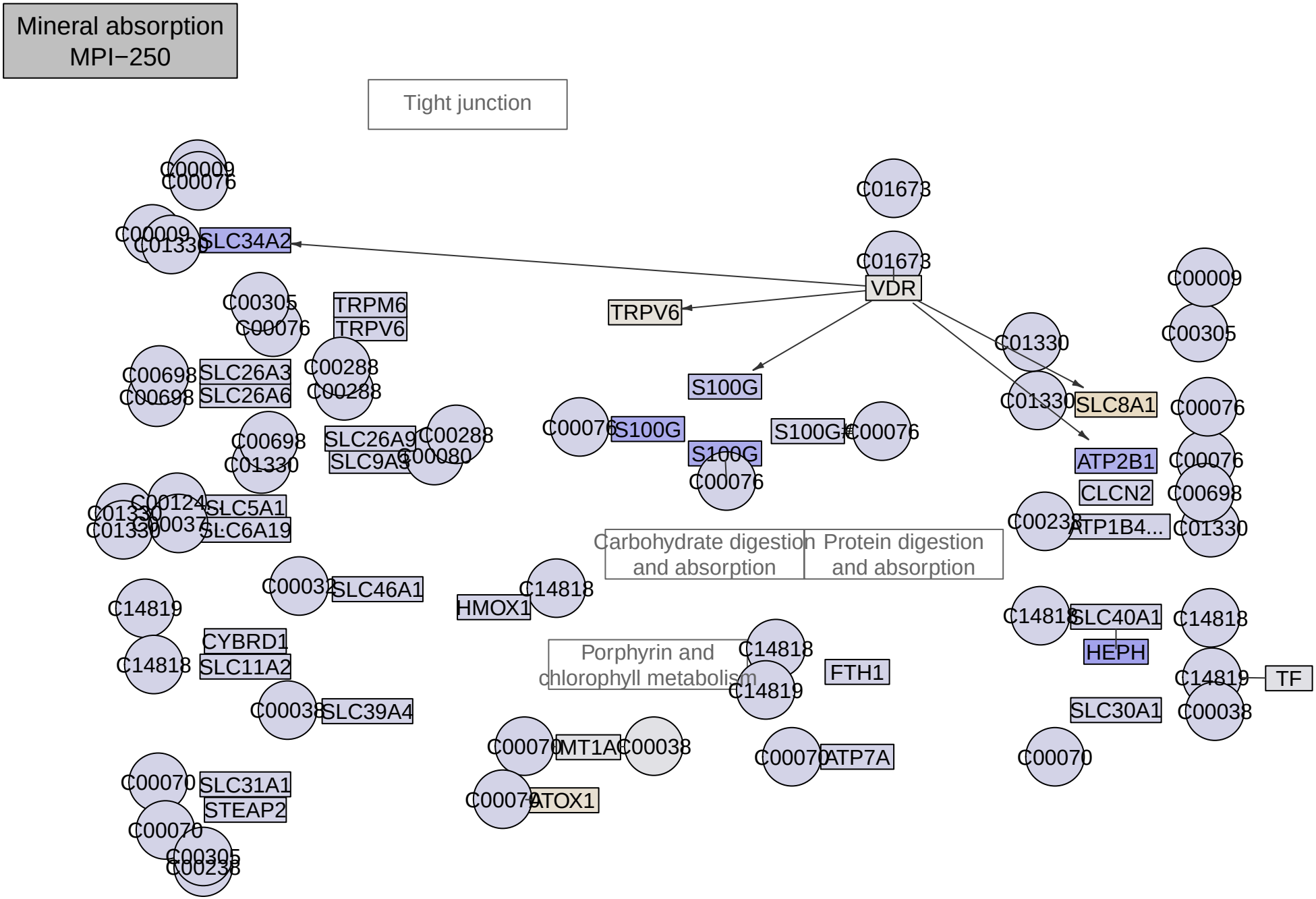
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SLC26A9
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SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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SLC11A2
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SLC39A4
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HMOX1
Porphyrin and chlorophyll metabolism
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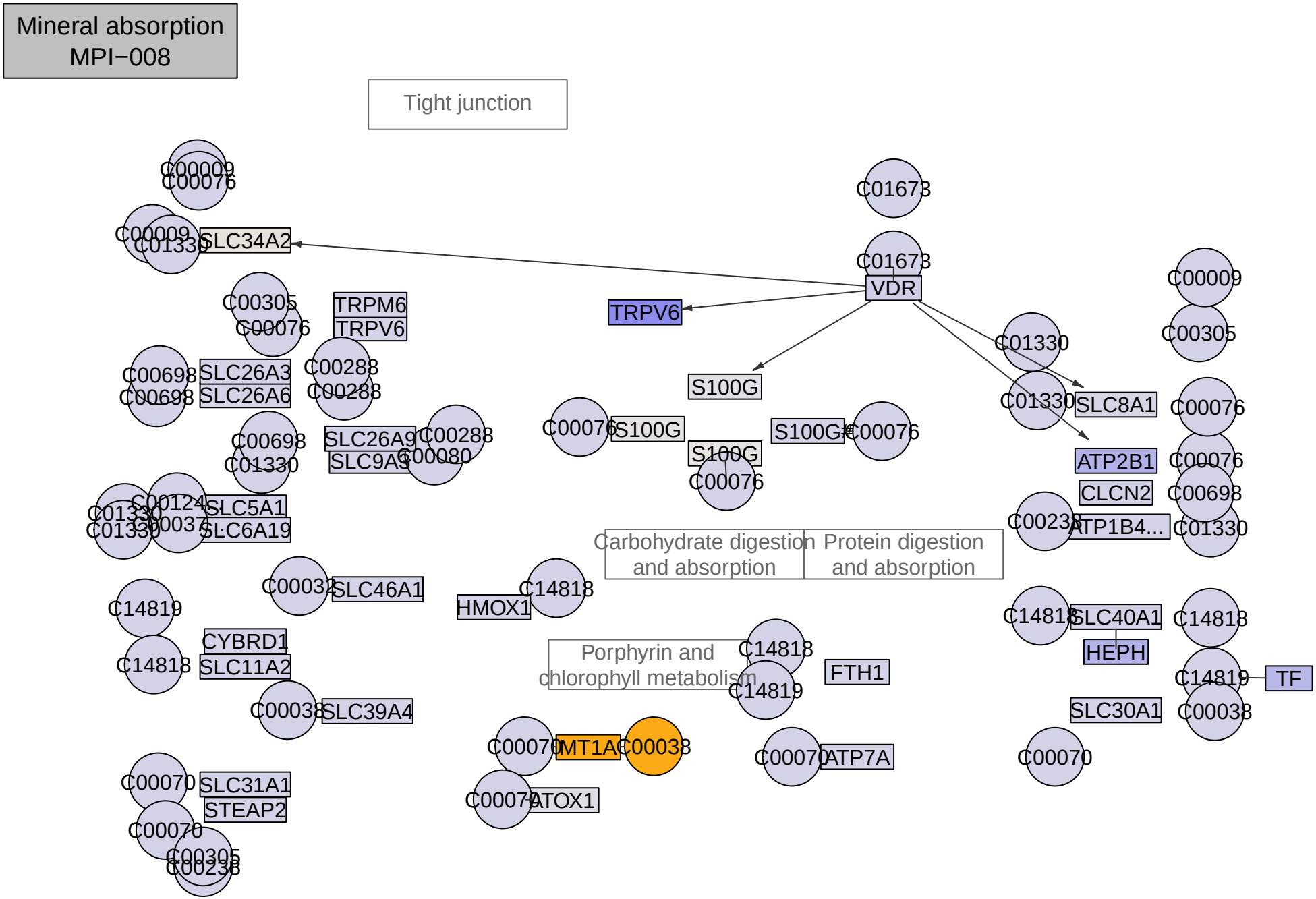
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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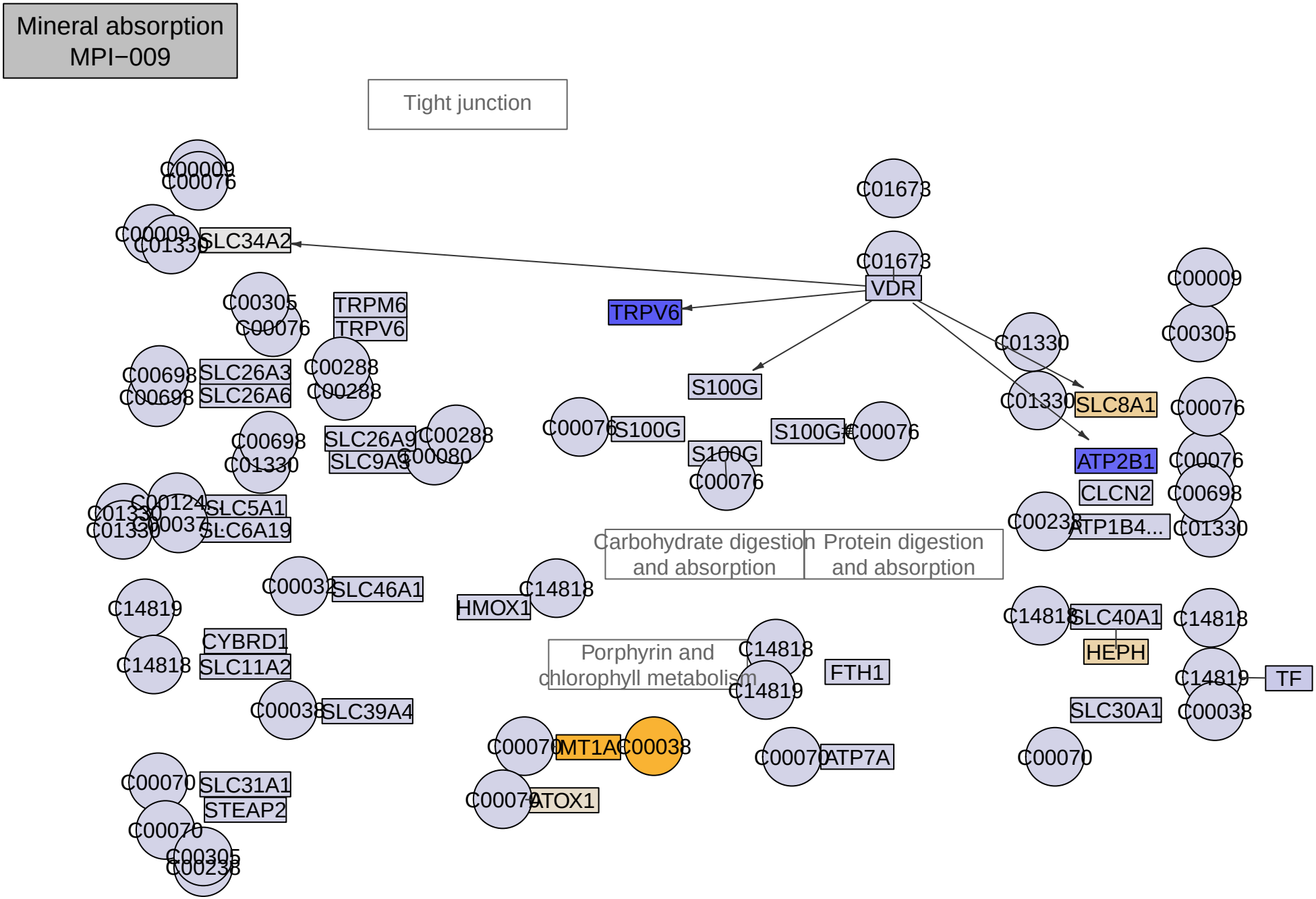
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Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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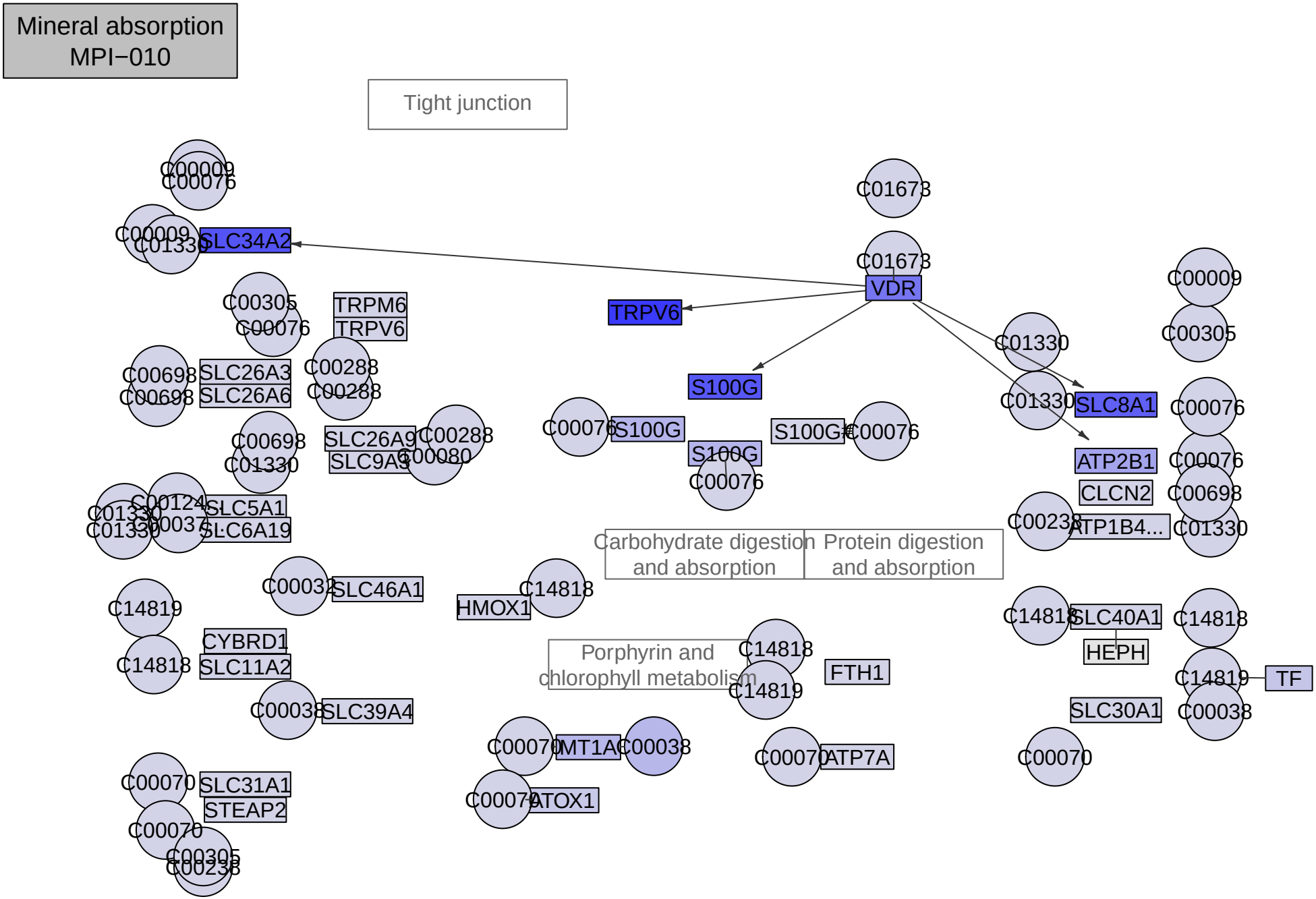
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Carbohydrate digestion and absorption
Protein digestion and absorption
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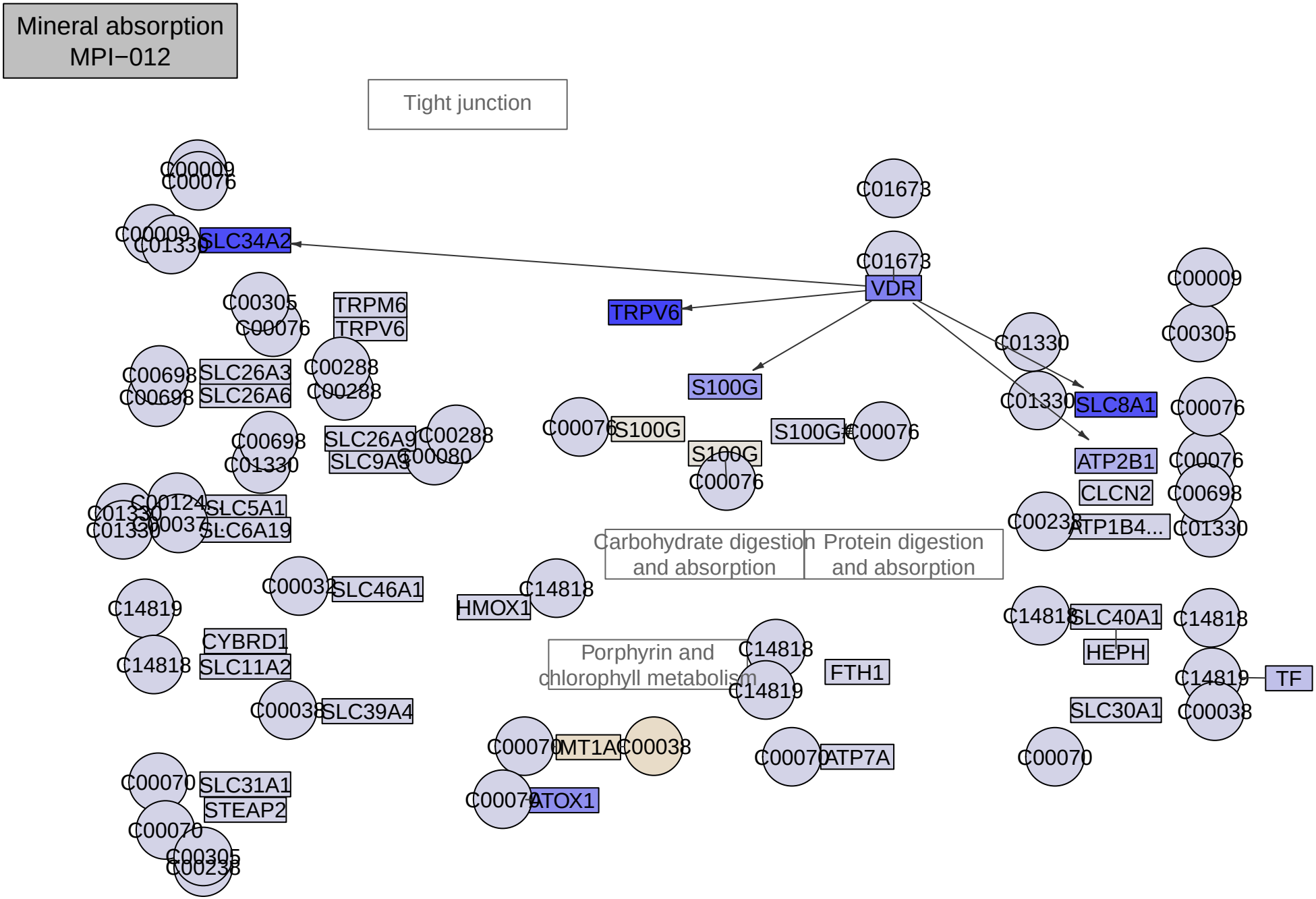
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Carbohydrate digestion and absorption
Protein digestion and absorption
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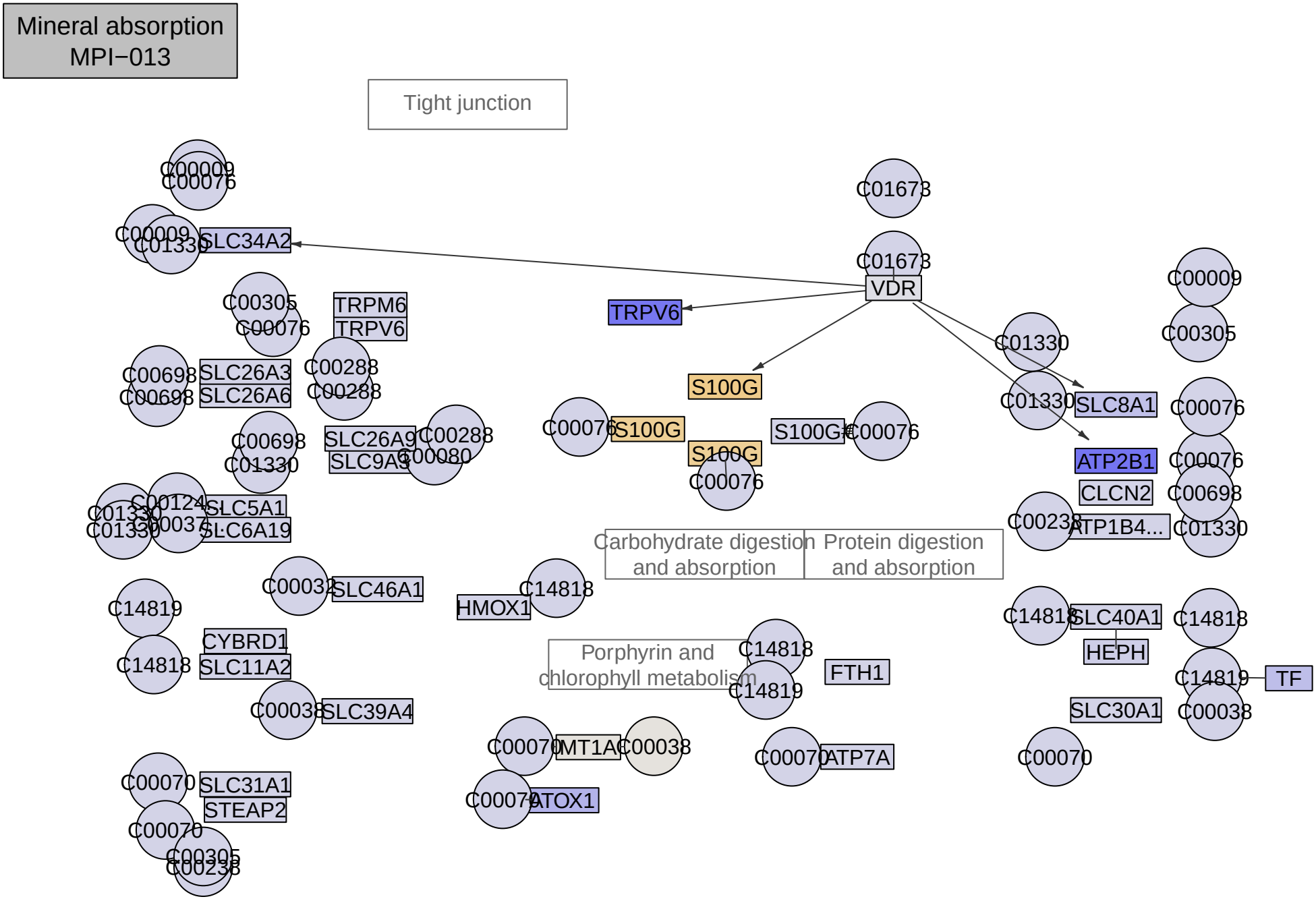
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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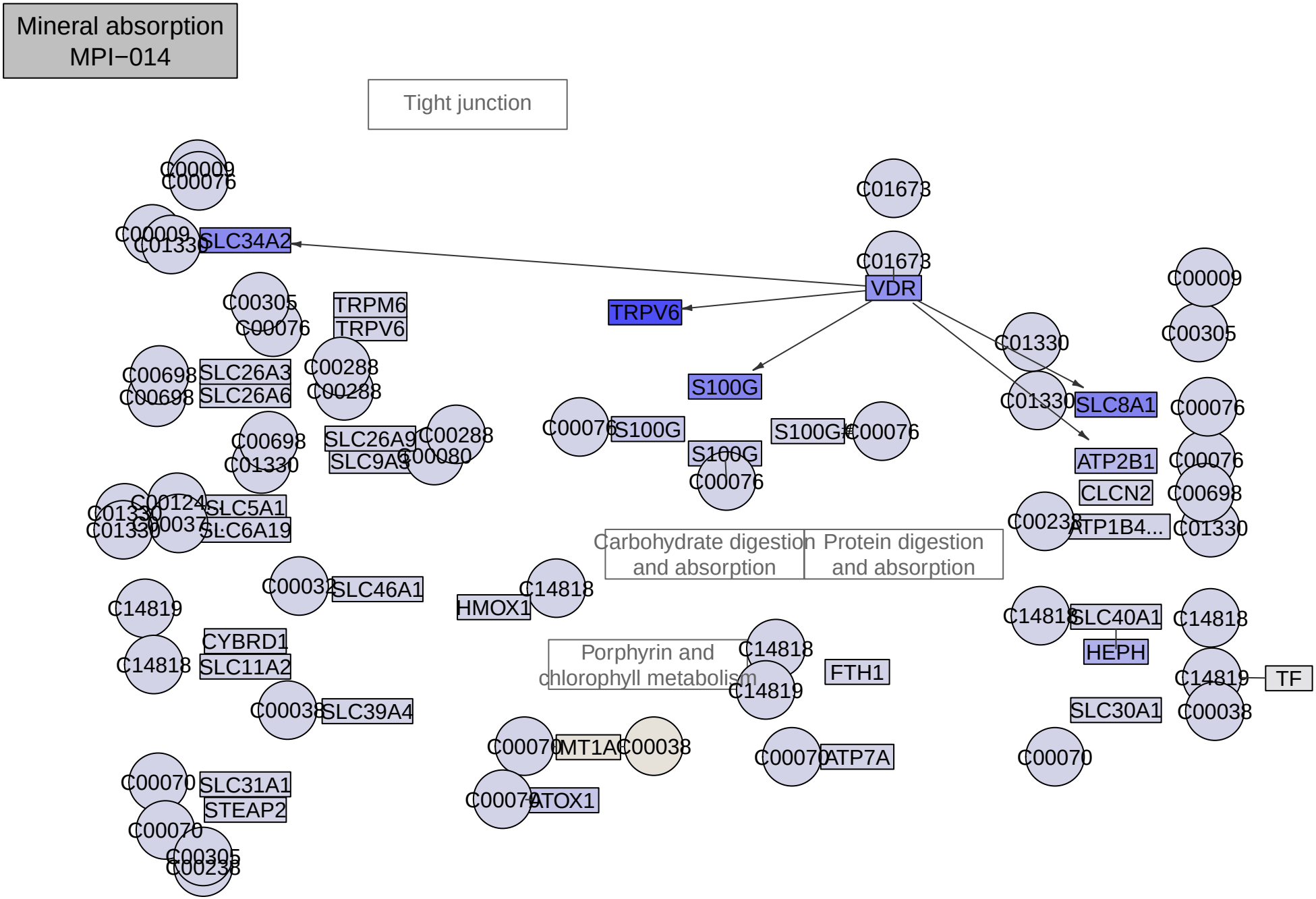
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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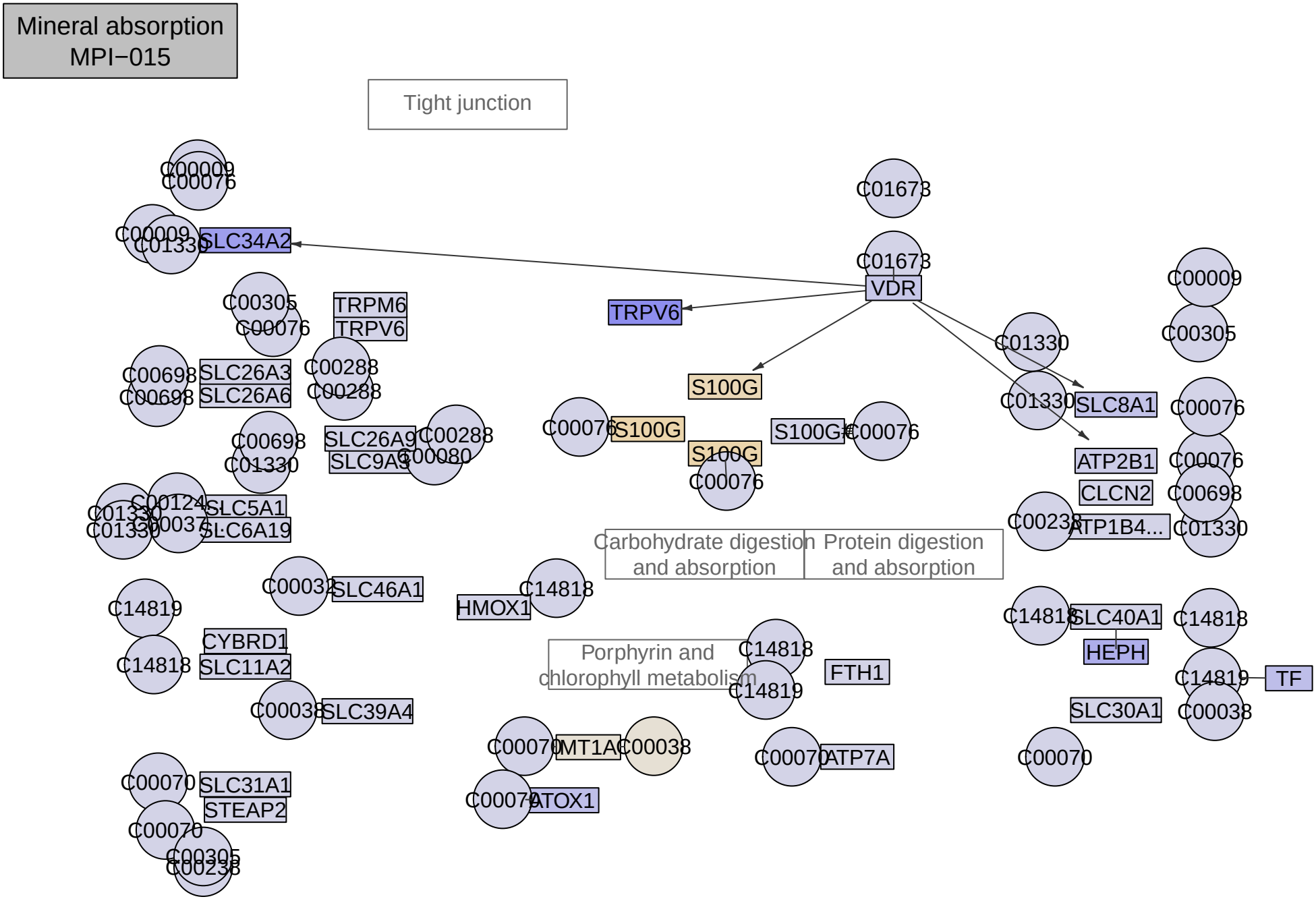
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Carbohydrate digestion and absorption
Protein digestion and absorption
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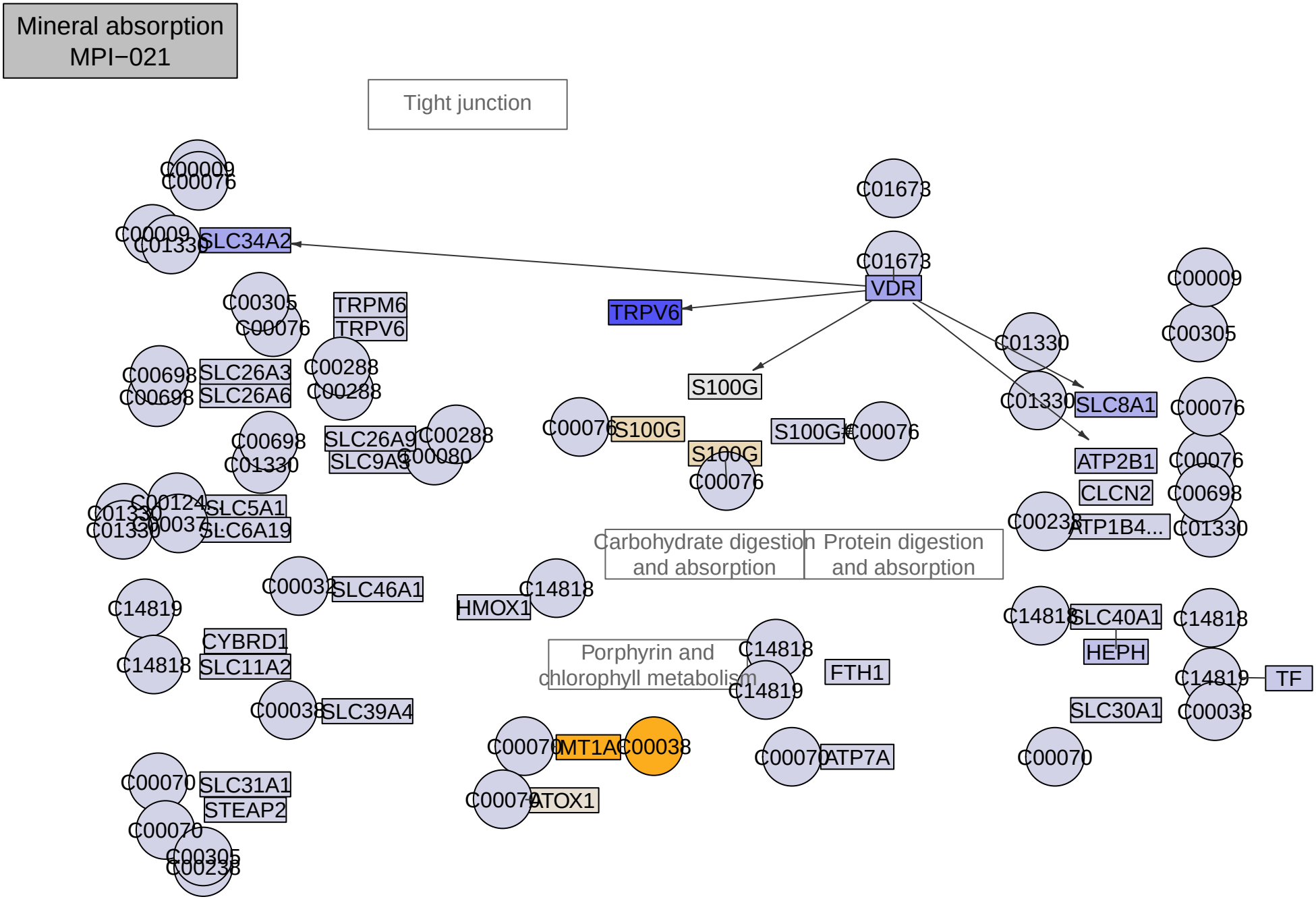
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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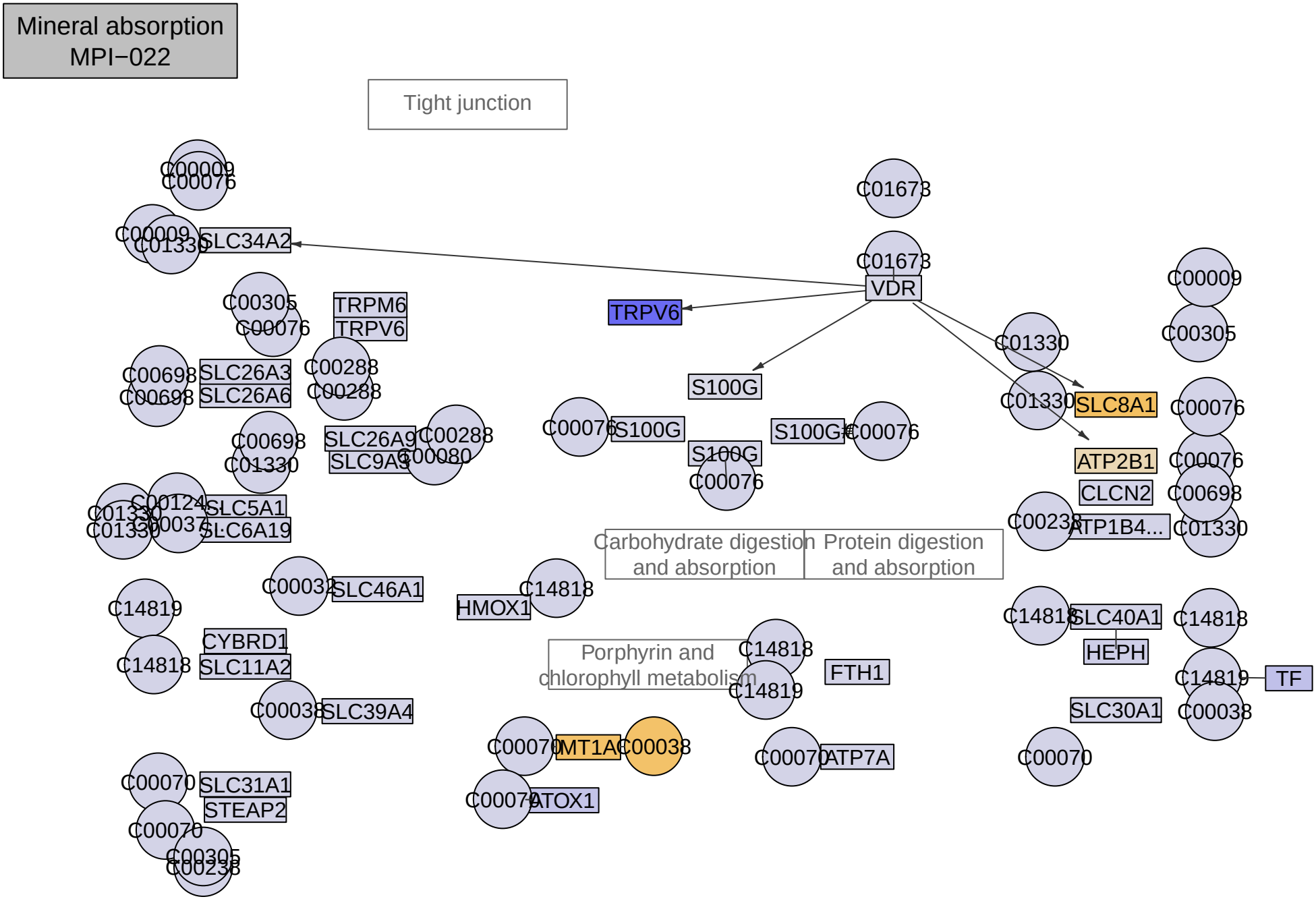
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Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
C14818
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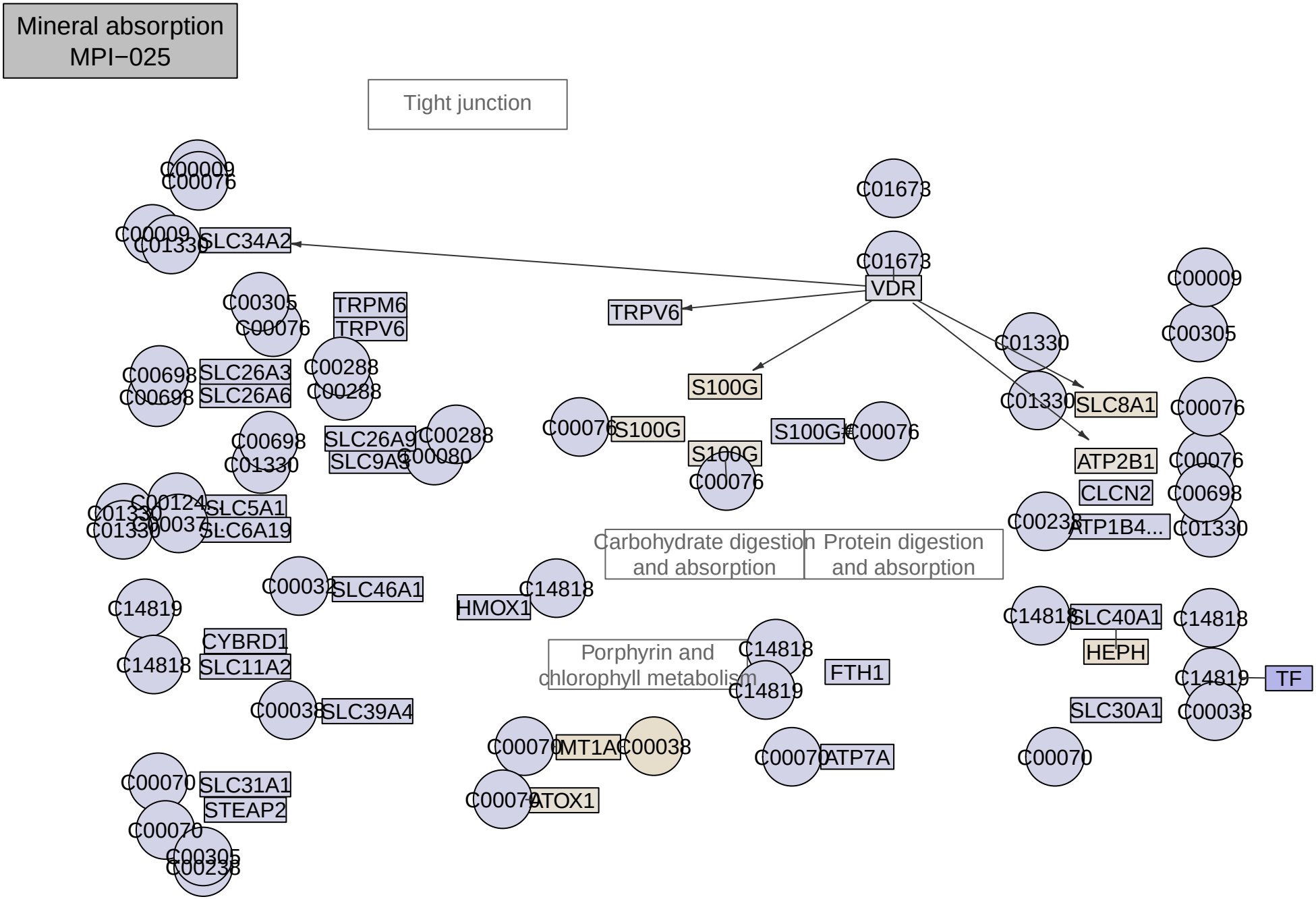
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TRPV6
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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C14819
CYBRD1
C14818
SLC11A2
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SLC39A4
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HMOX1
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C14819
FTH1
Porphyrin and chlorophyll metabolism
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STEAP2
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MT1A
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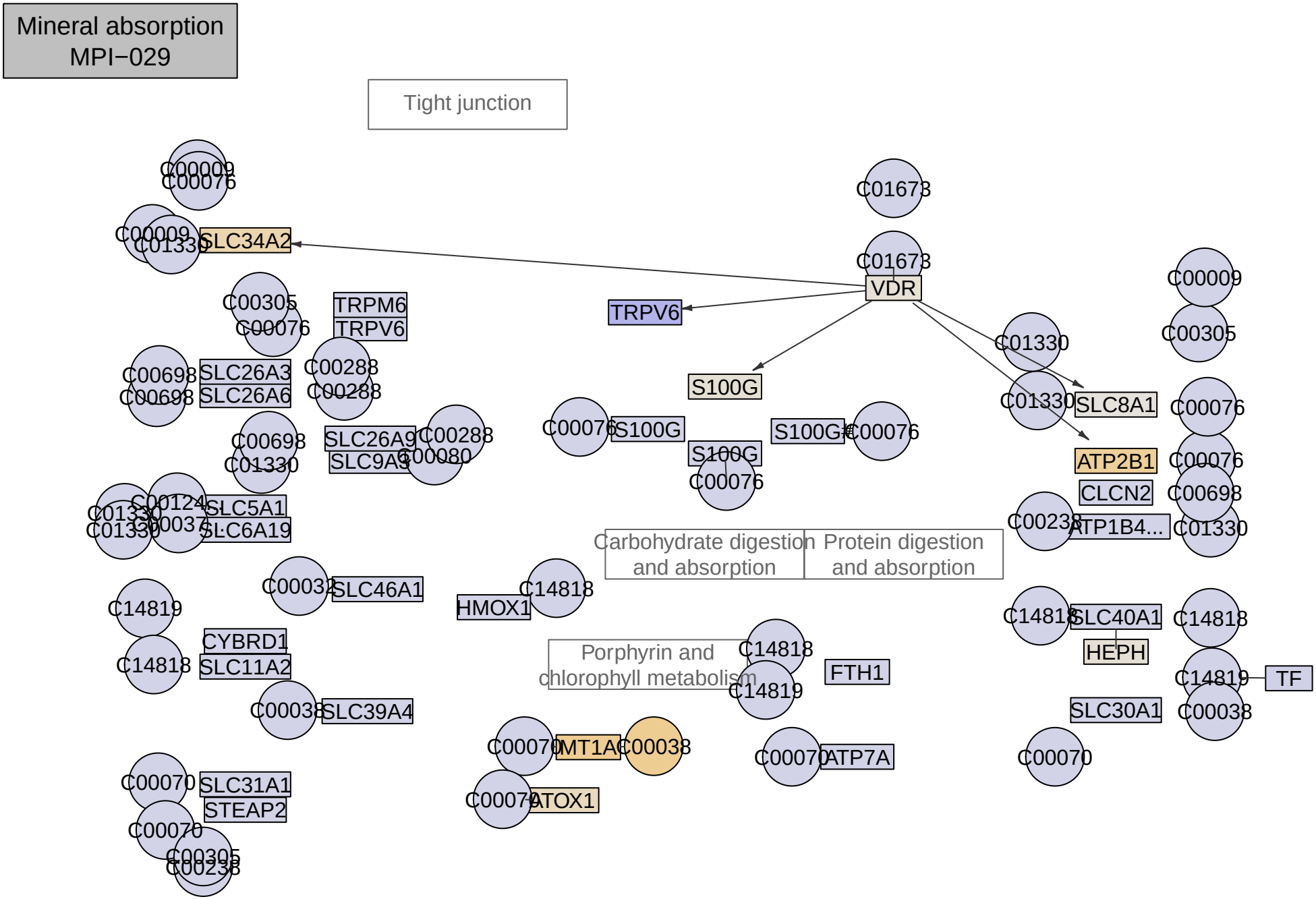
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Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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HEPH
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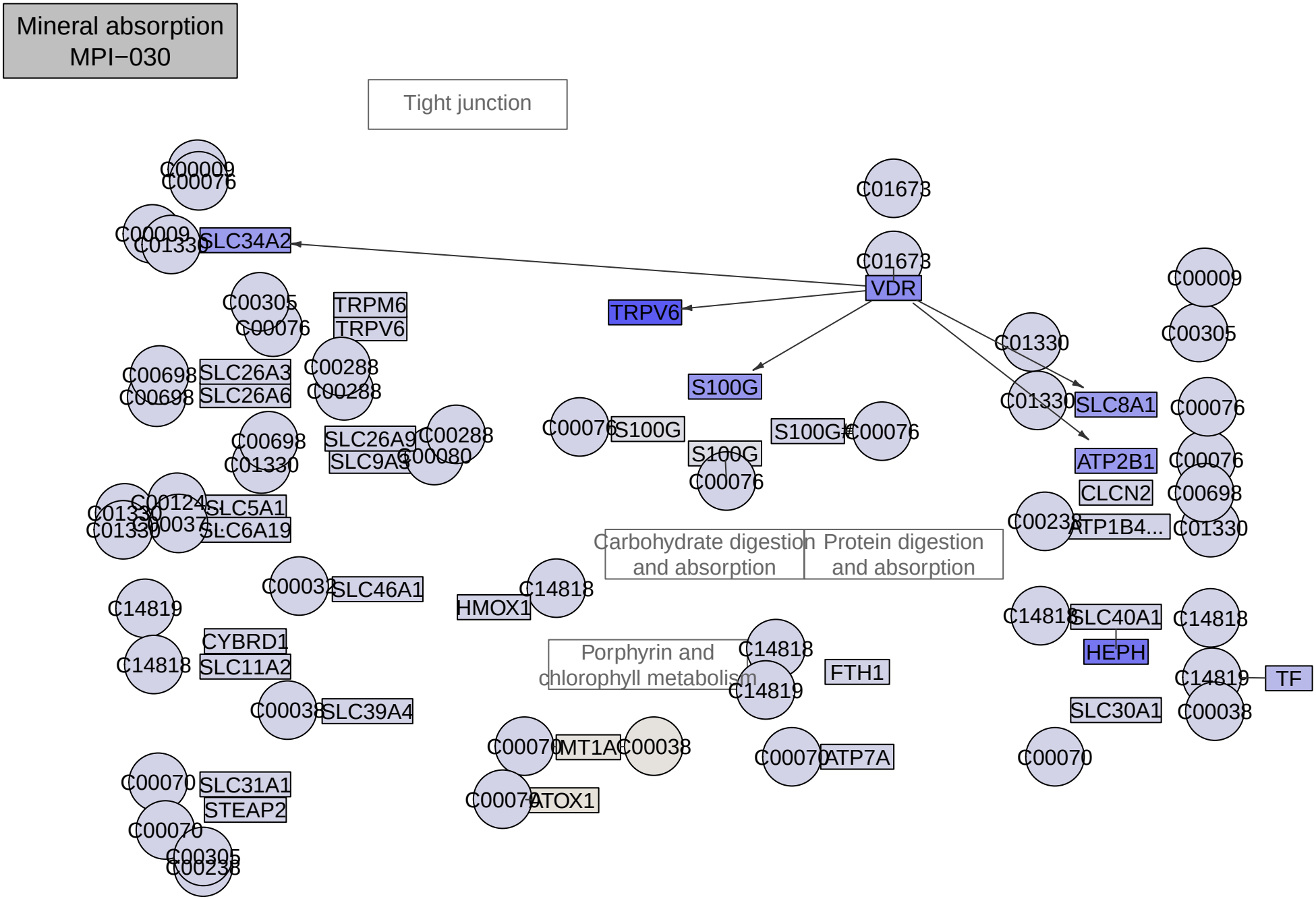
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TRPV6
TRPV6
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SLC26A6
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S100G
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ATP2B1
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CLCN2
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SLC5A1
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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HEPH
Porphyrin and chlorophyll metabolism
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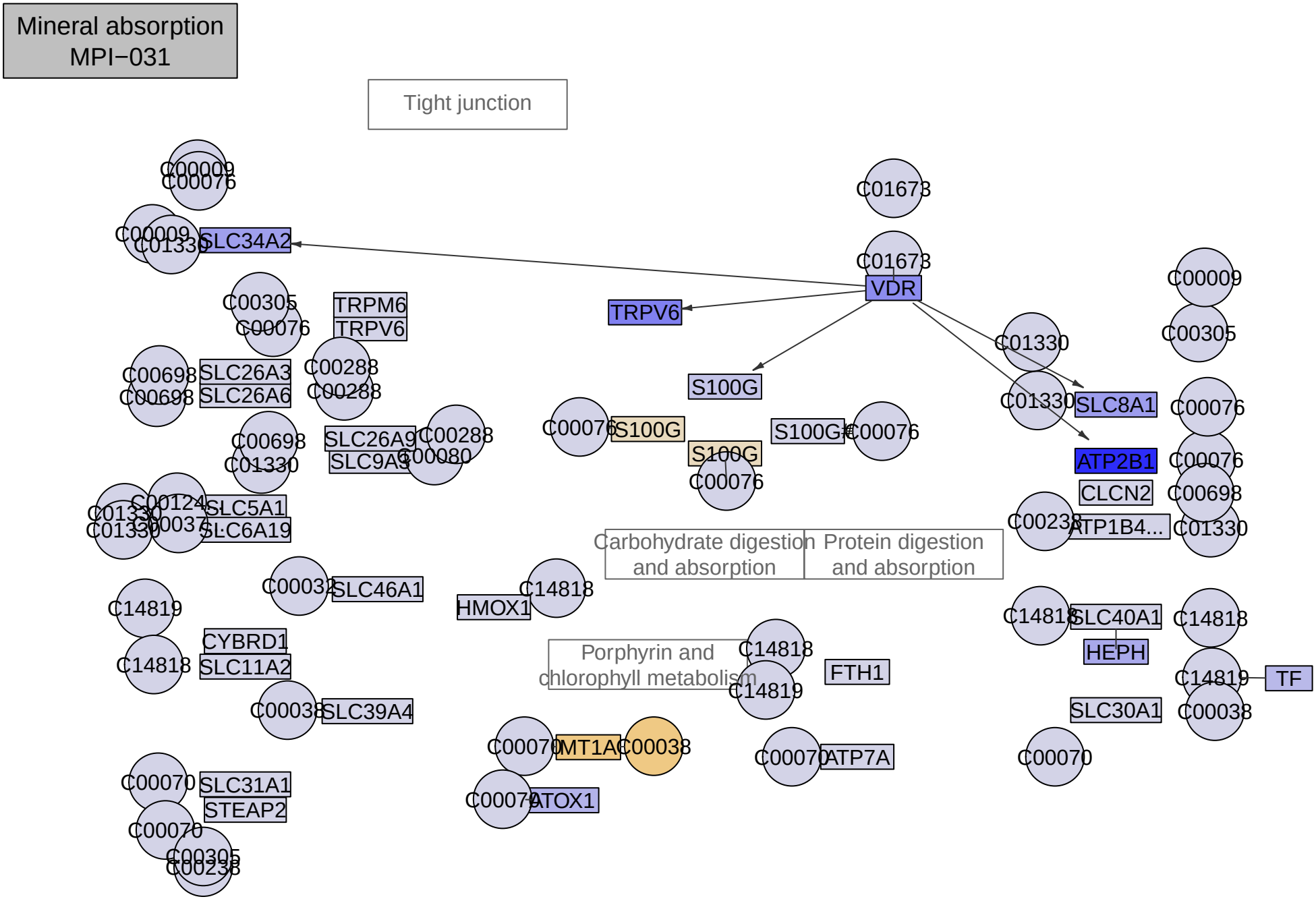
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SLC9A3
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S100G
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CLCN2
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Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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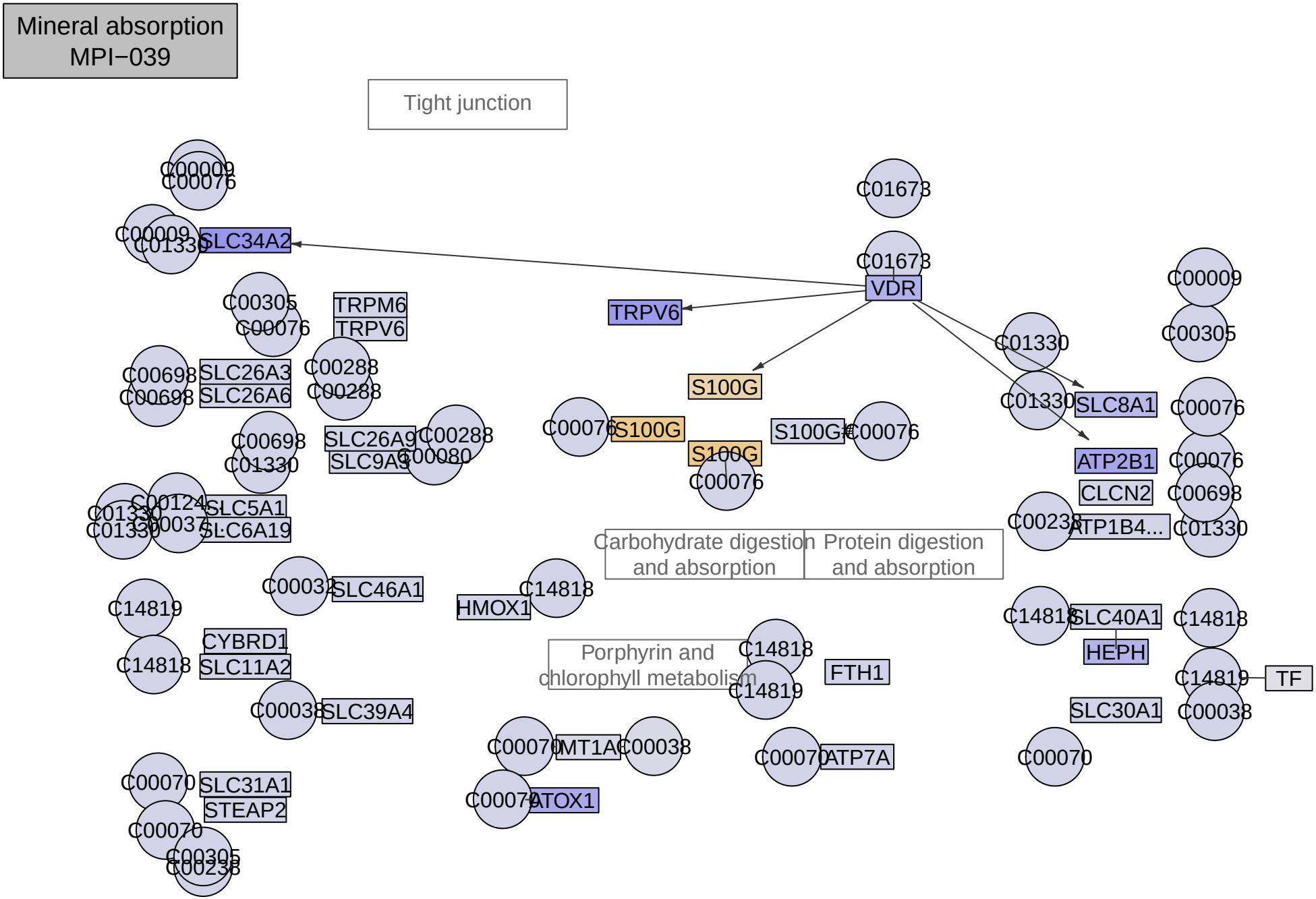
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CLCN2
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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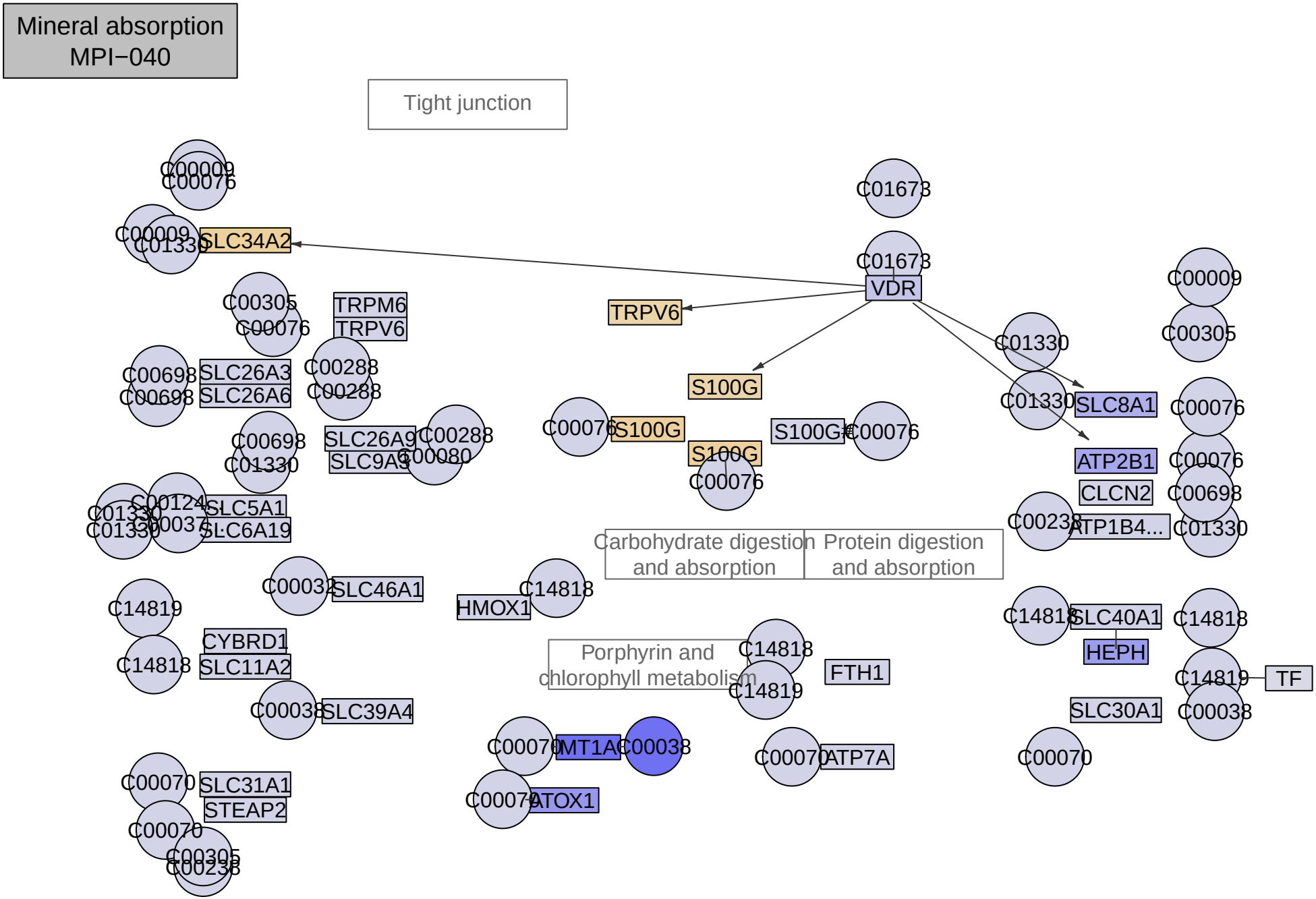
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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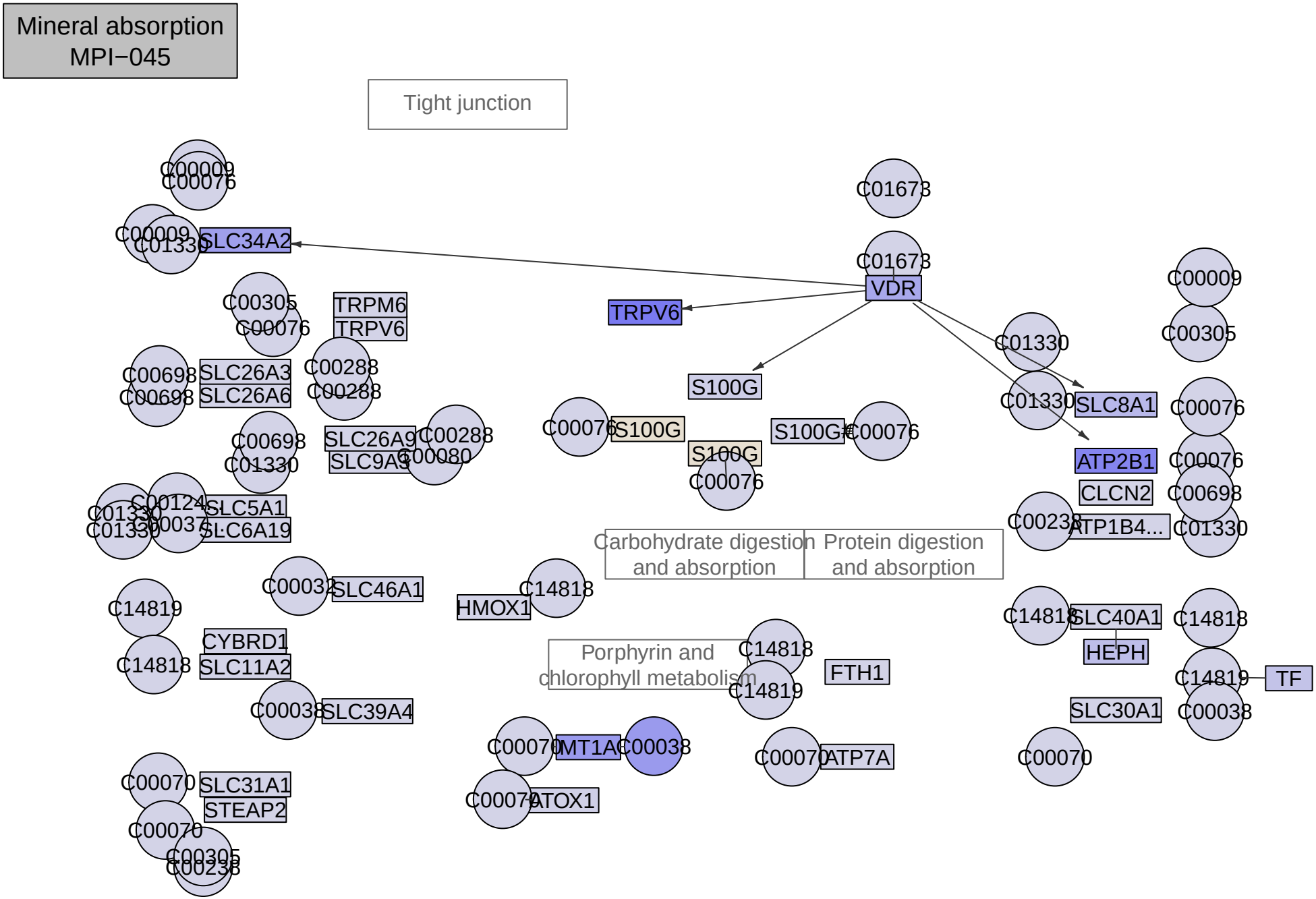
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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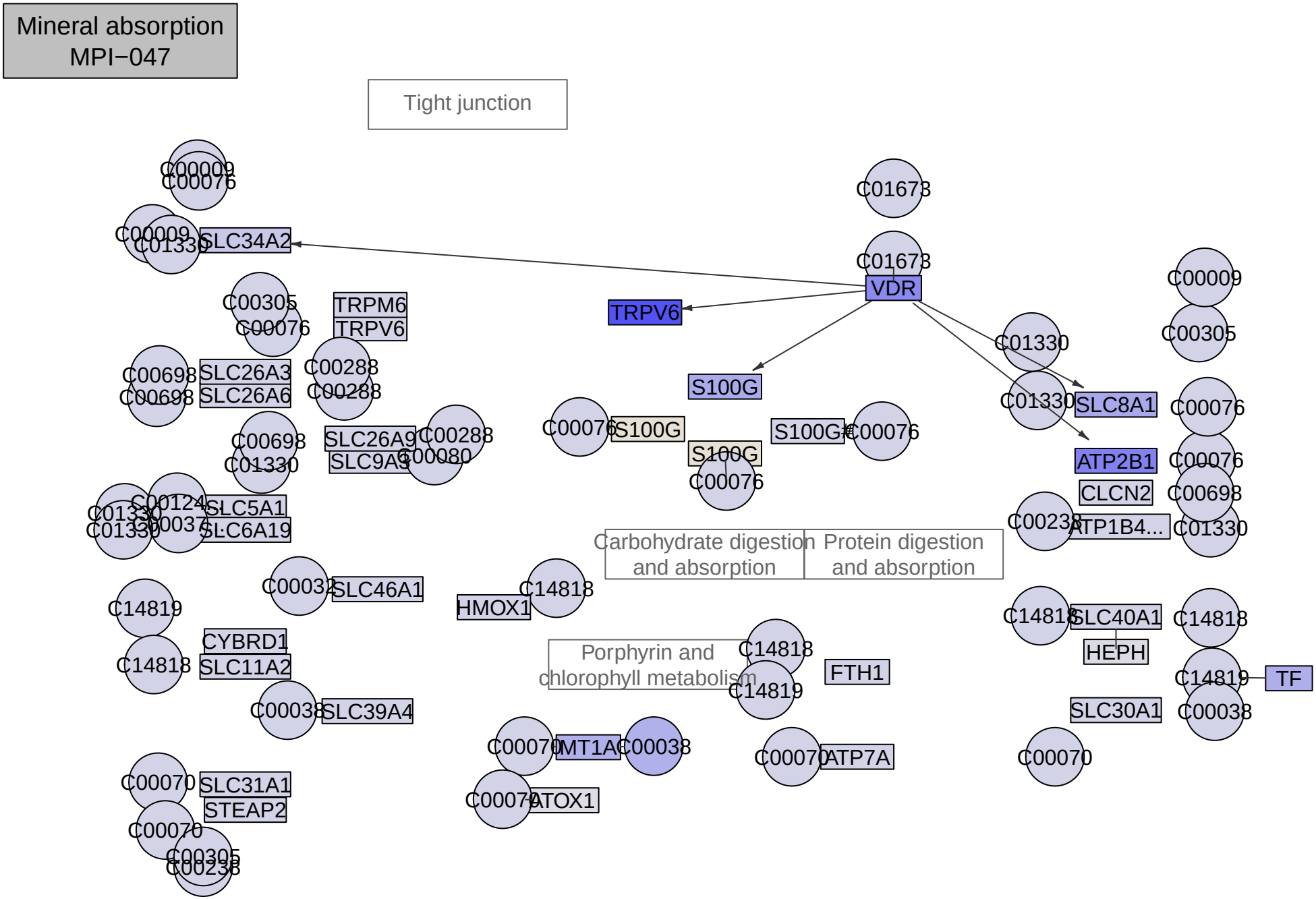
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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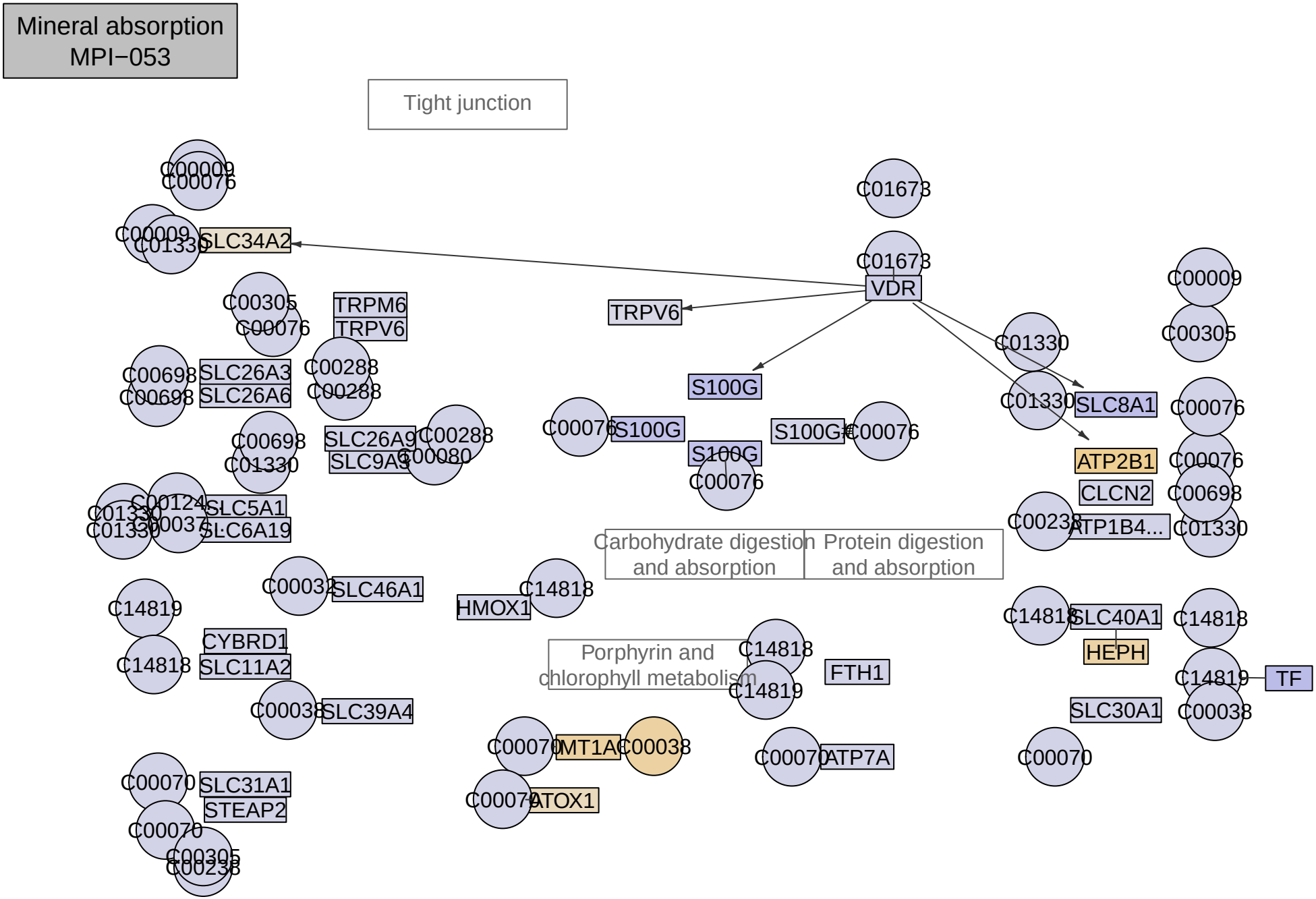
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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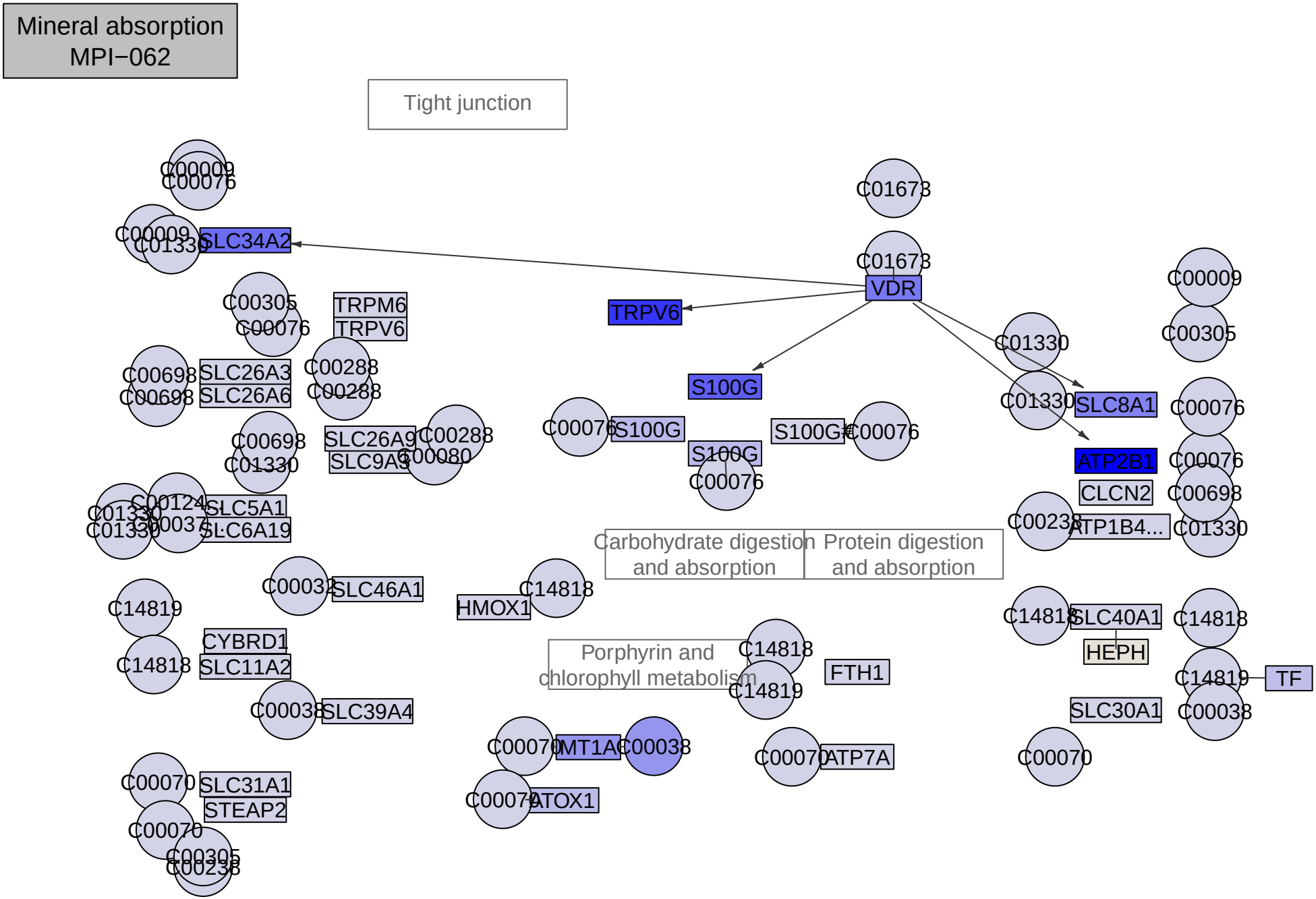
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Carbohydrate digestion and absorption
Protein digestion and absorption
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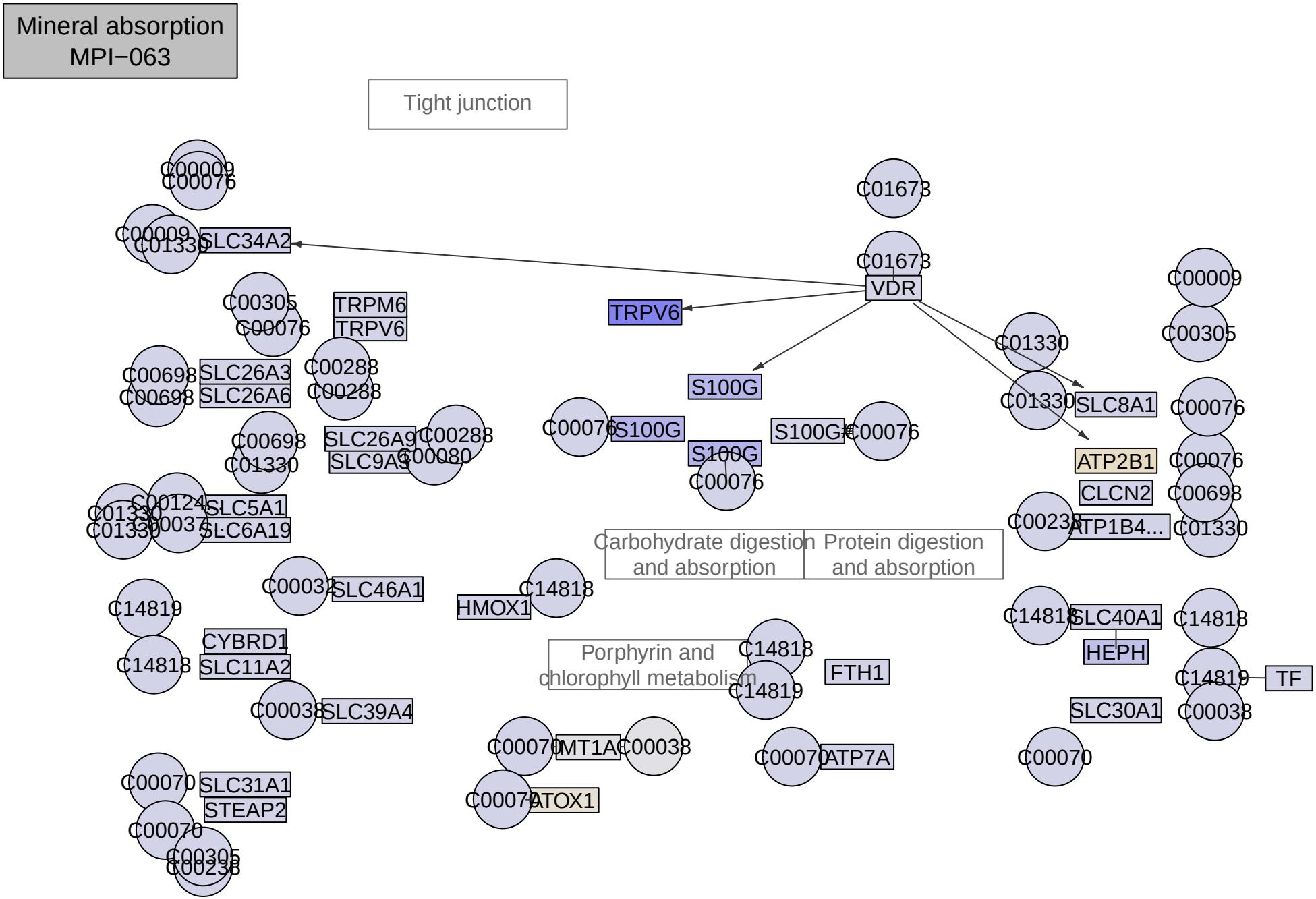
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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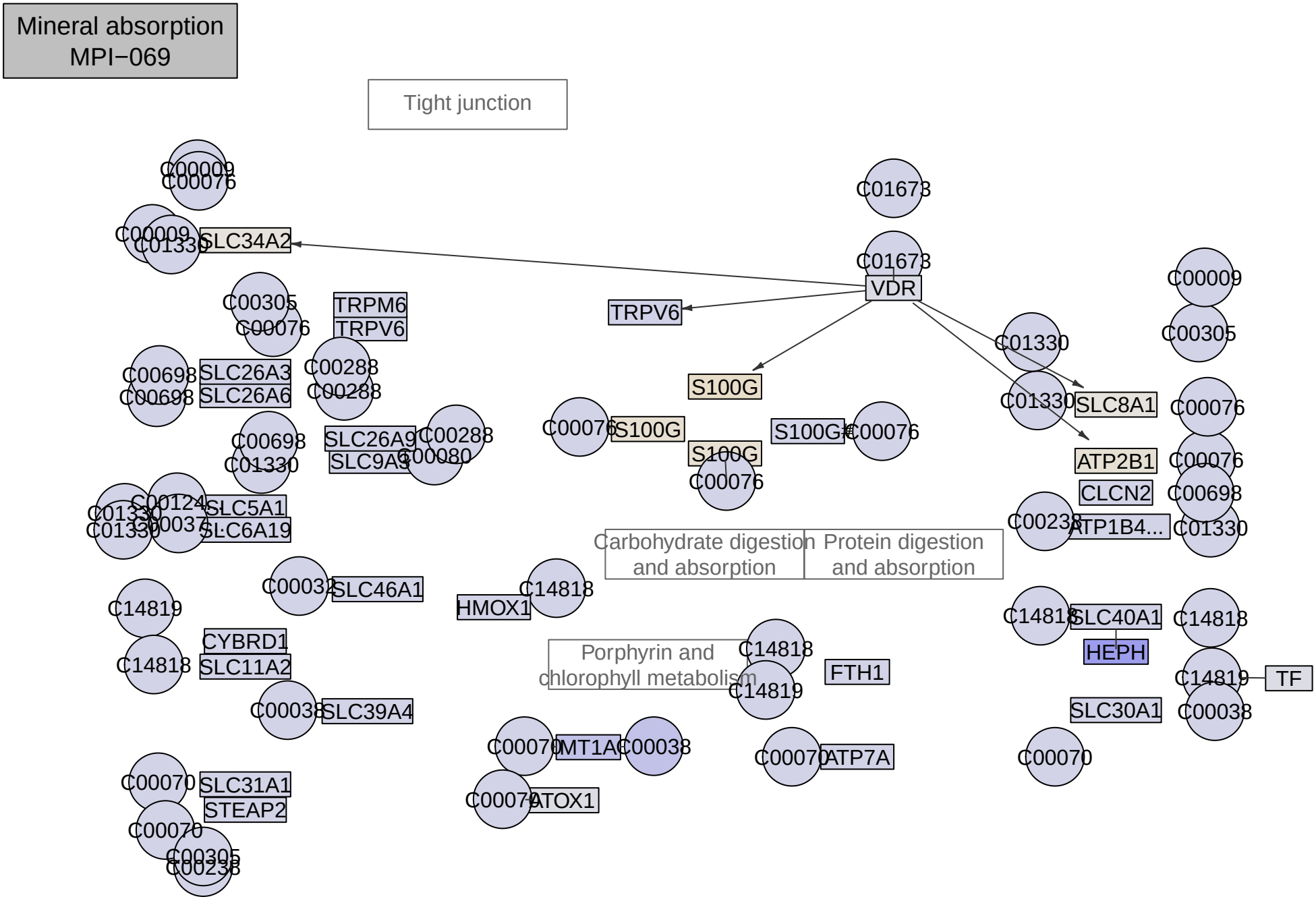
Mineral absorption
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C01330
SLC8A1
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Protein digestion and absorption
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SLC39A4
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HMOX1
C14818
Porphyrin and chlorophyll metabolism
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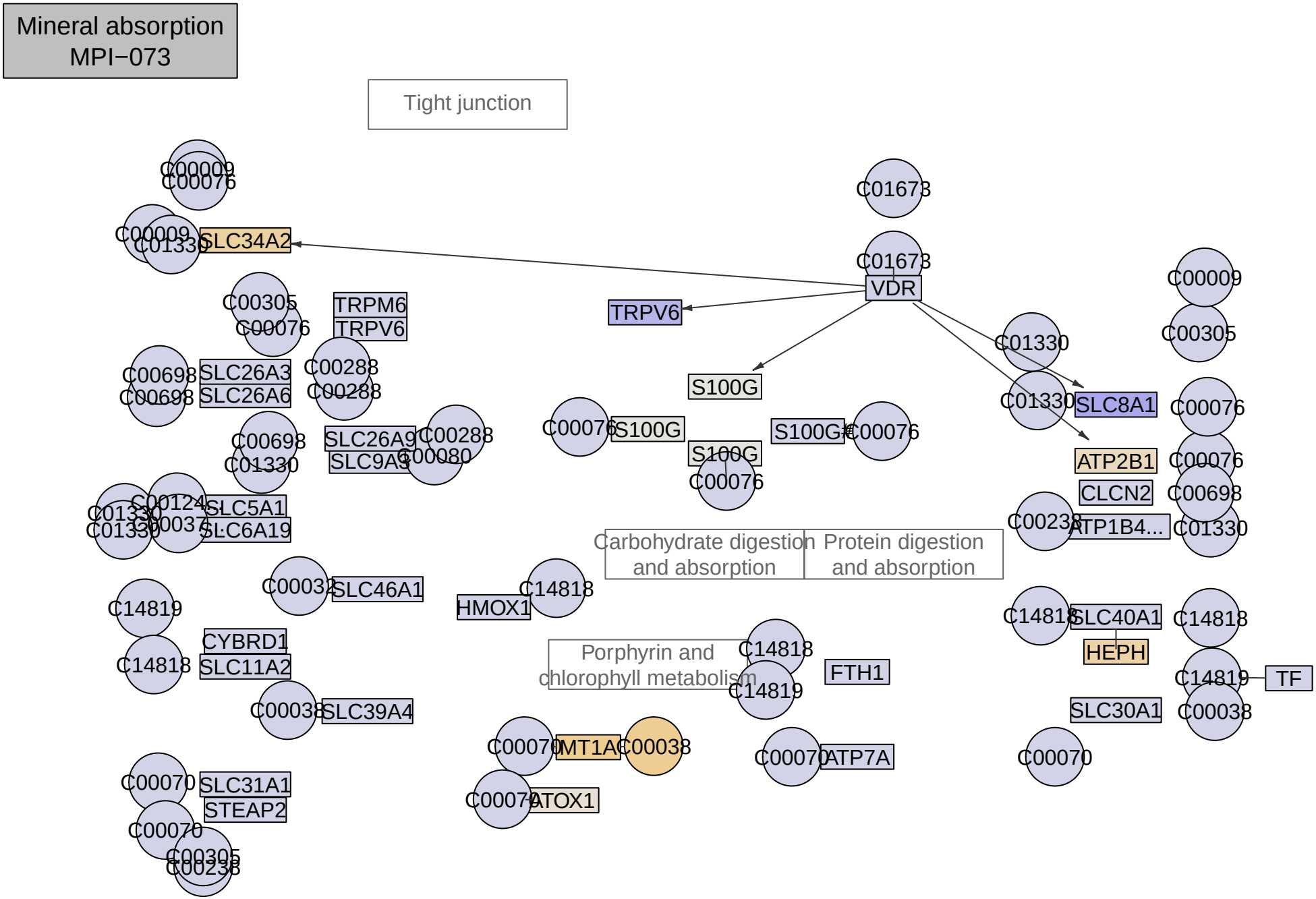
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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SLC11A2
Porphyrin and chlorophyll metabolism
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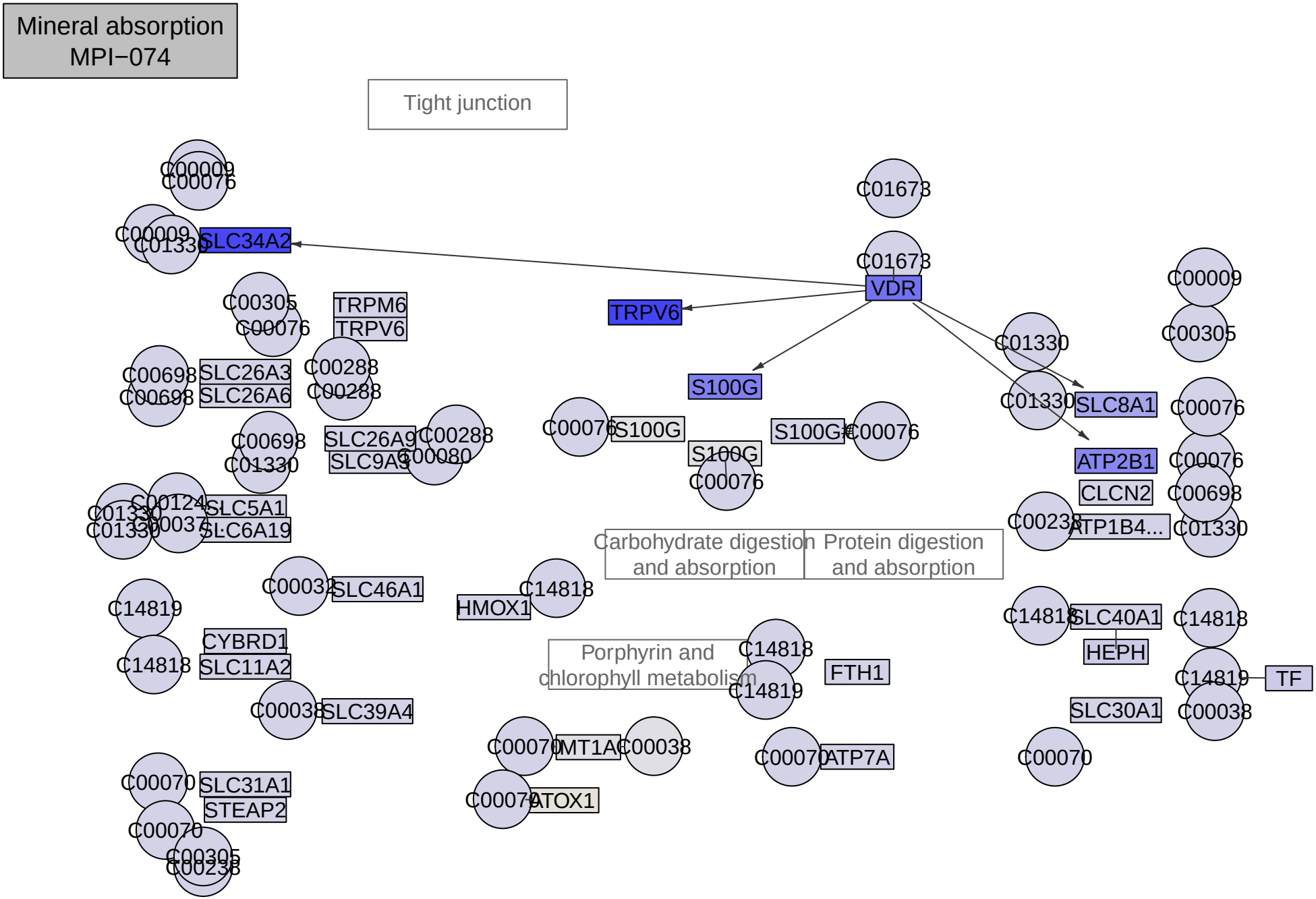
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TRPV6
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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SLC11A2
Porphyrin and chlorophyll metabolism
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HEPH
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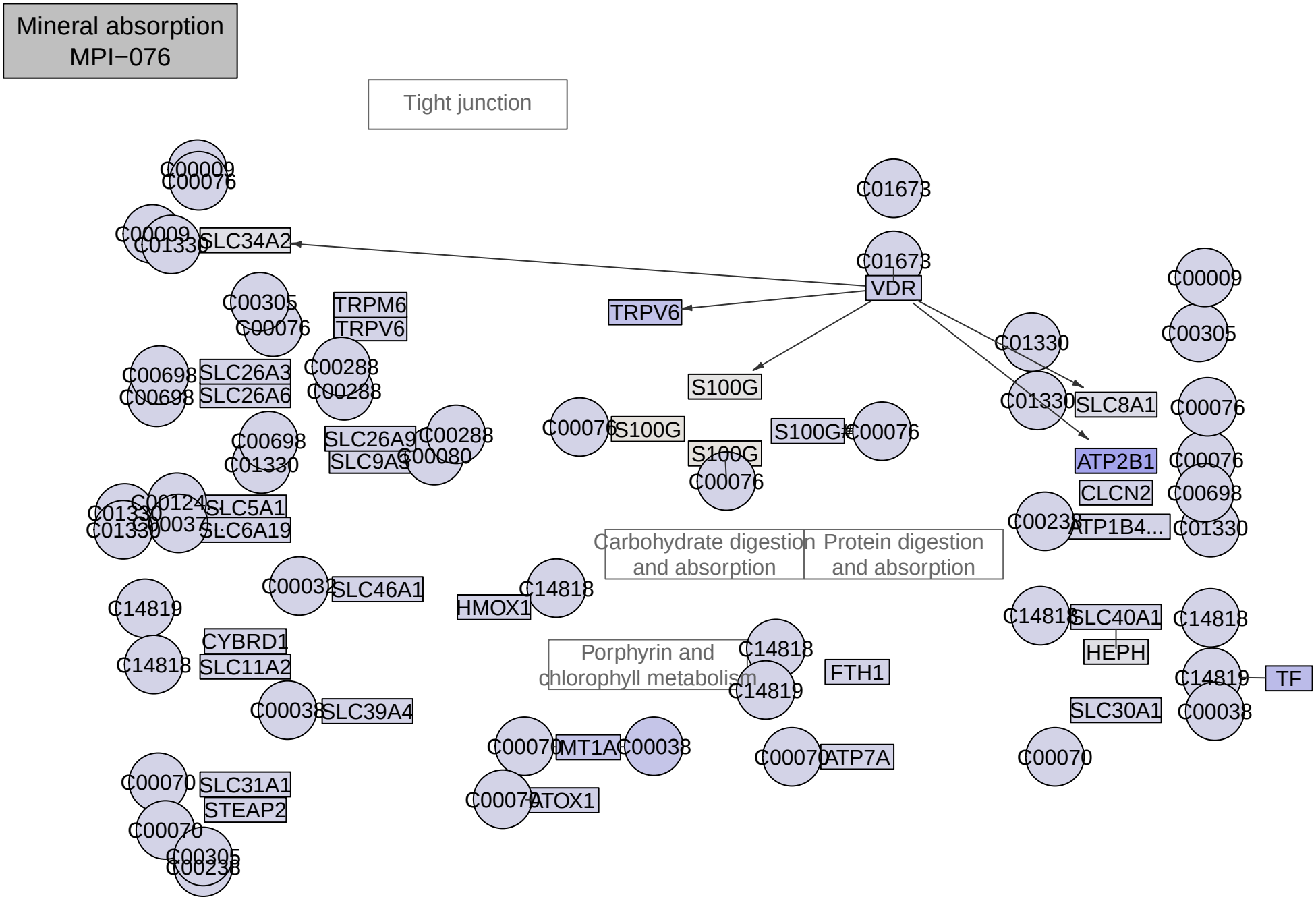
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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Porphyrin and chlorophyll metabolism
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HEPH
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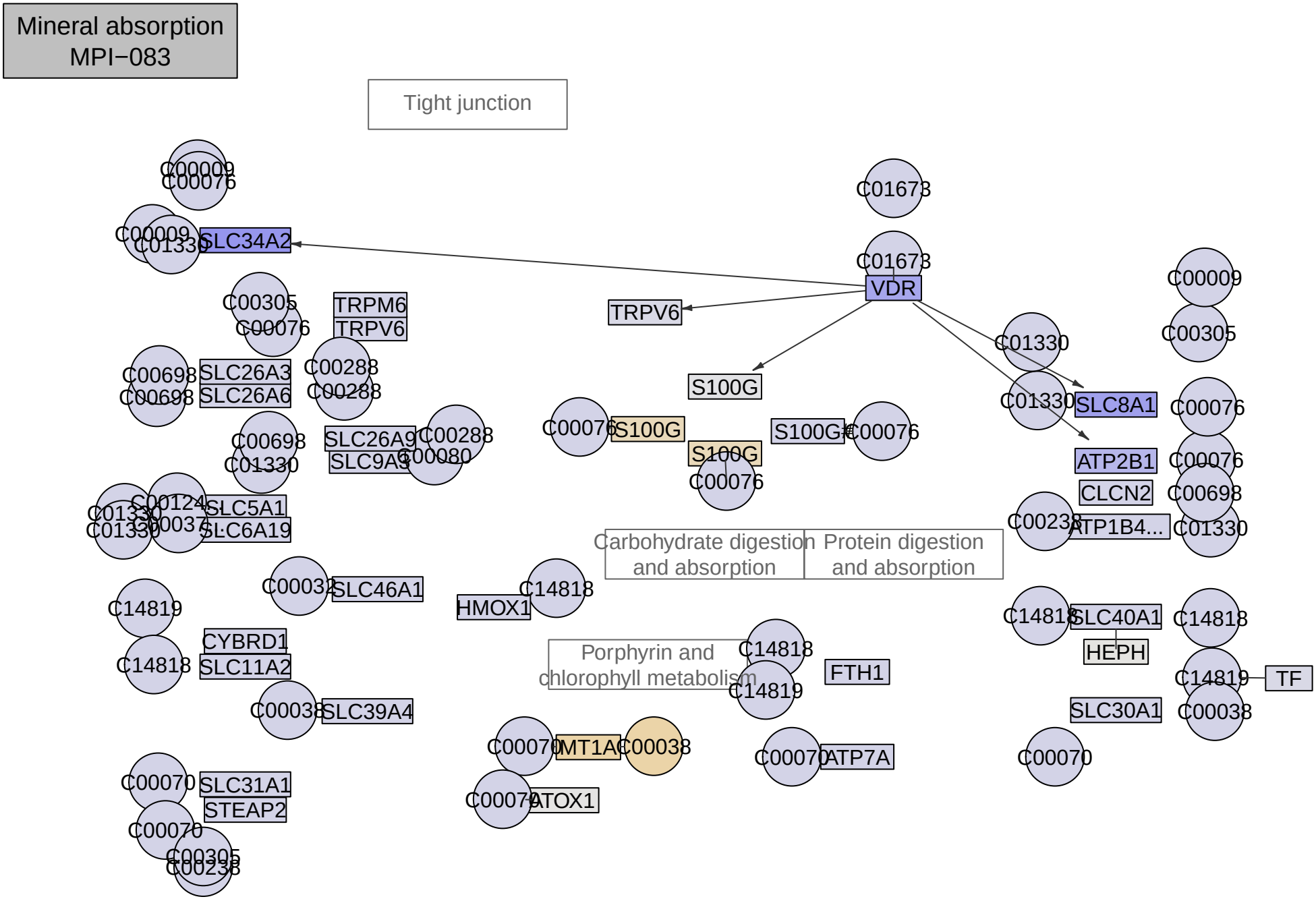
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CLCN2
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C00238
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TRPV6
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SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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FTH1
Porphyrin and chlorophyll metabolism
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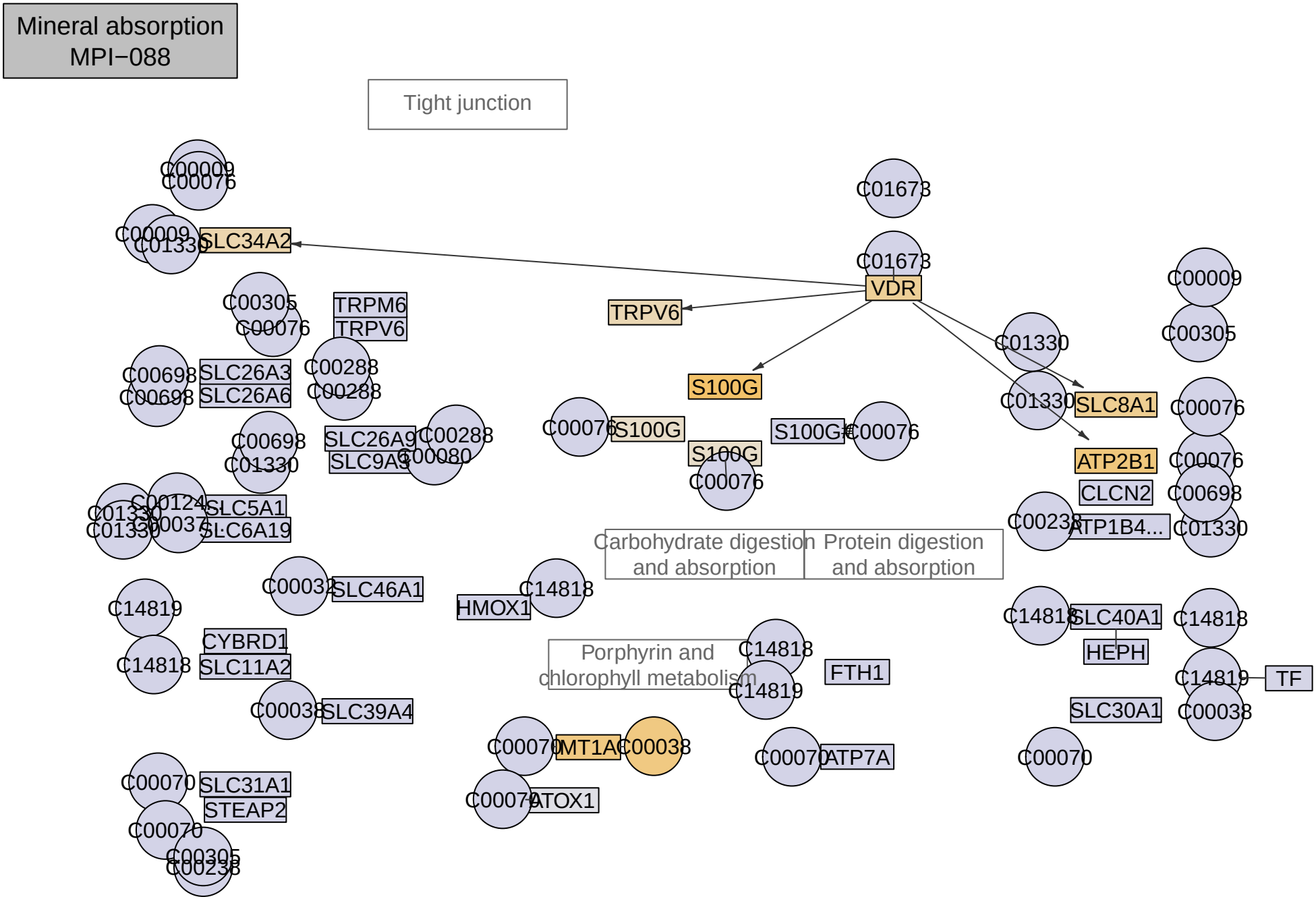
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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HMOX1
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FTH1
Porphyrin and chlorophyll metabolism
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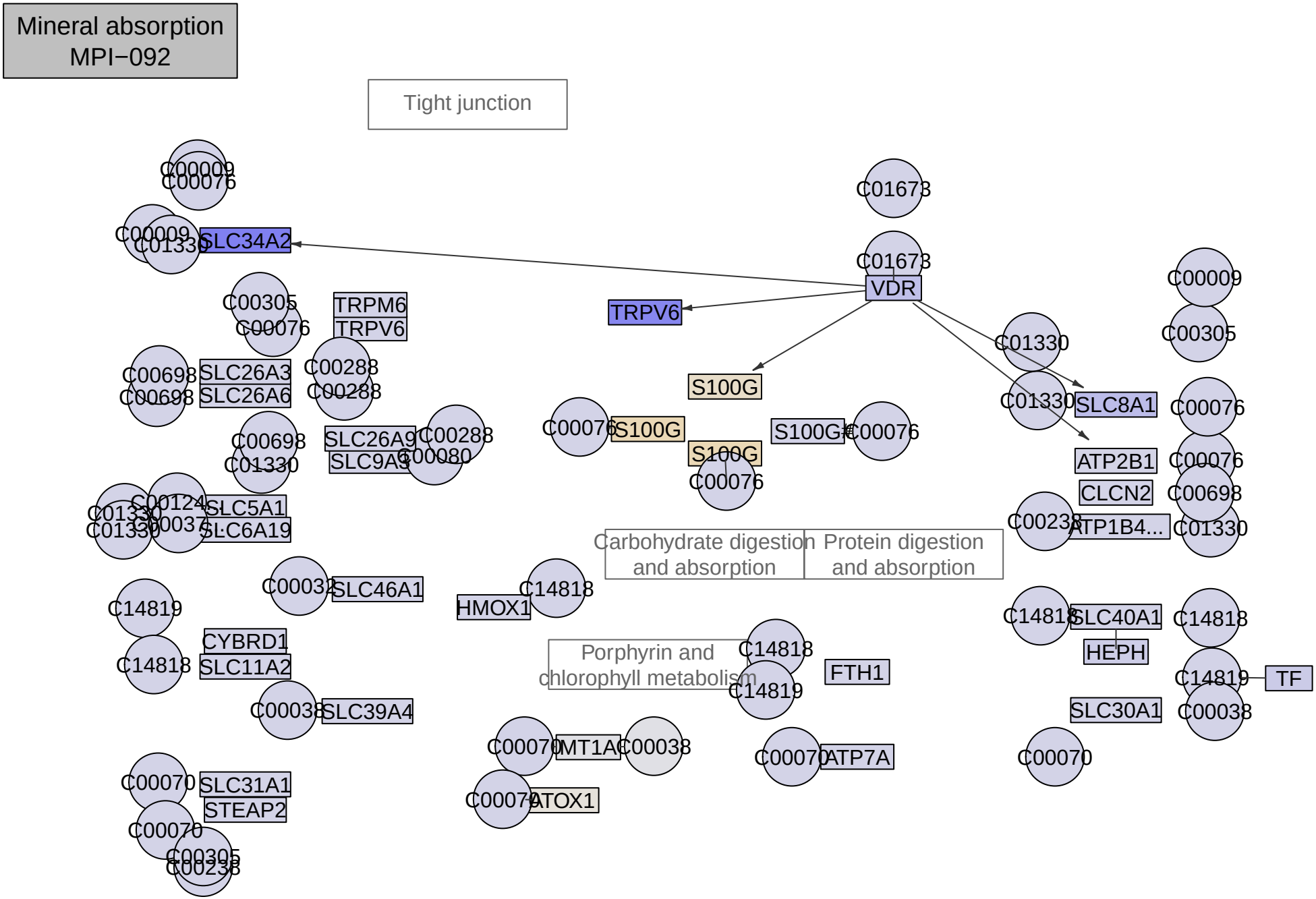
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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Porphyrin and chlorophyll metabolism
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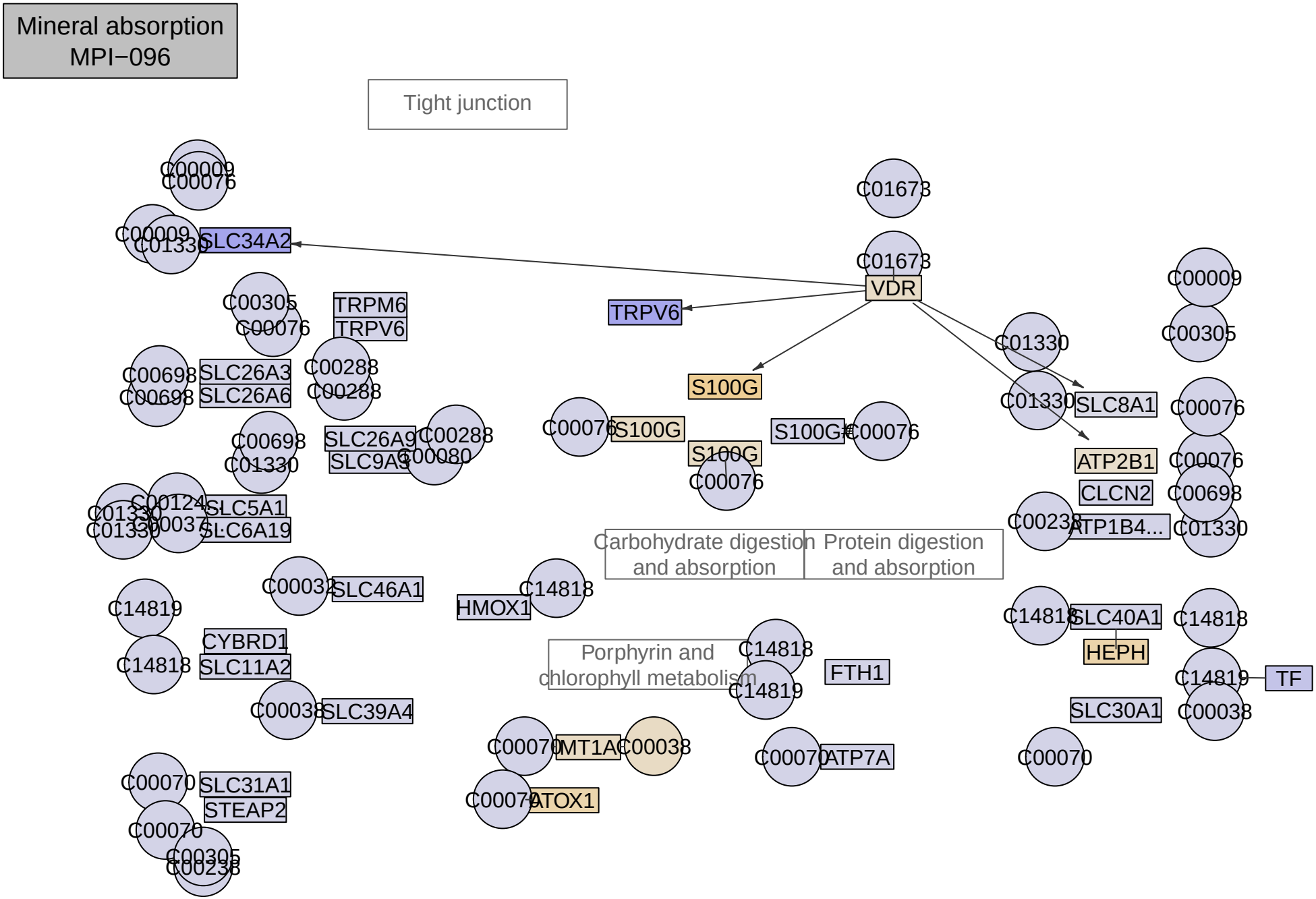
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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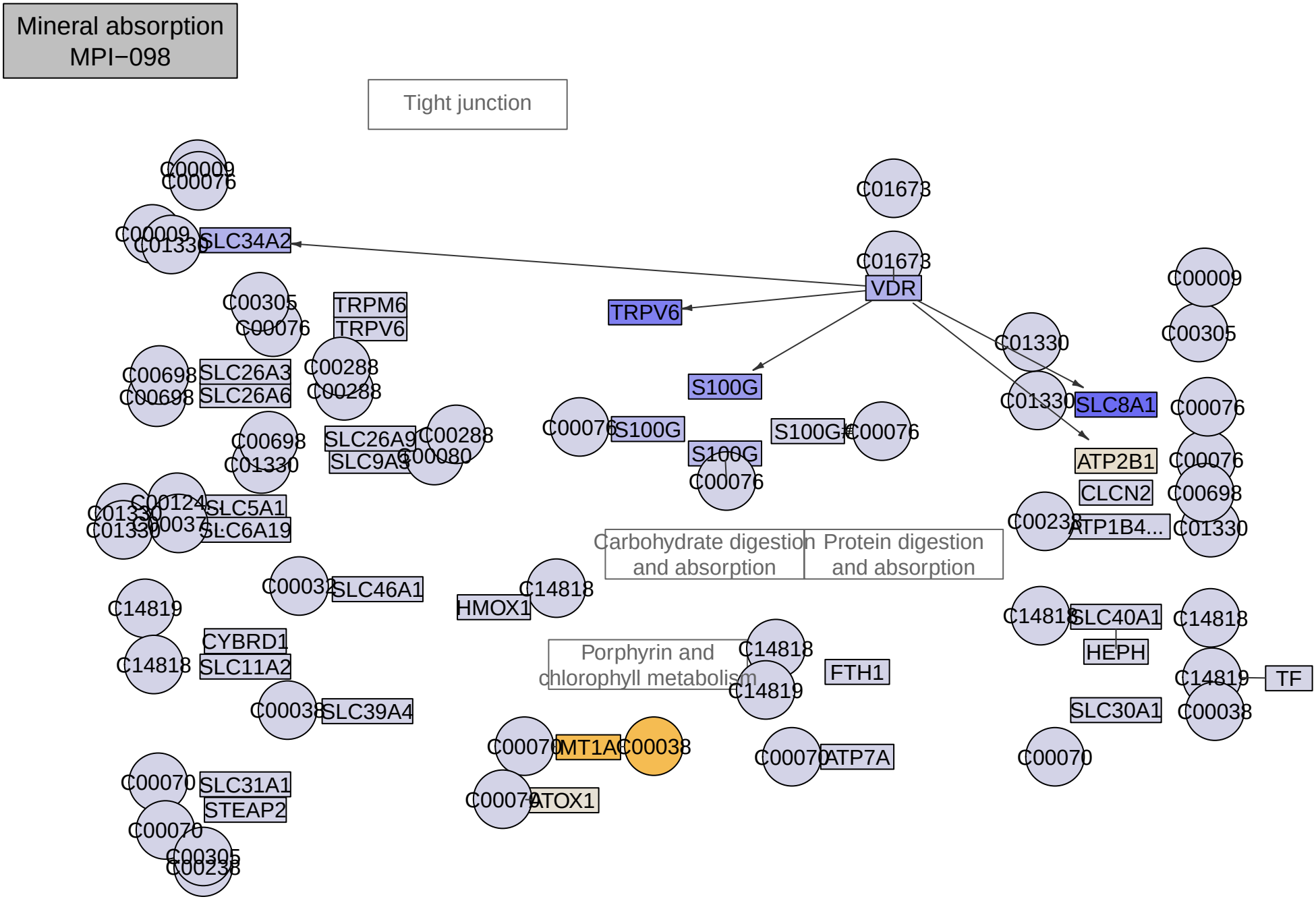
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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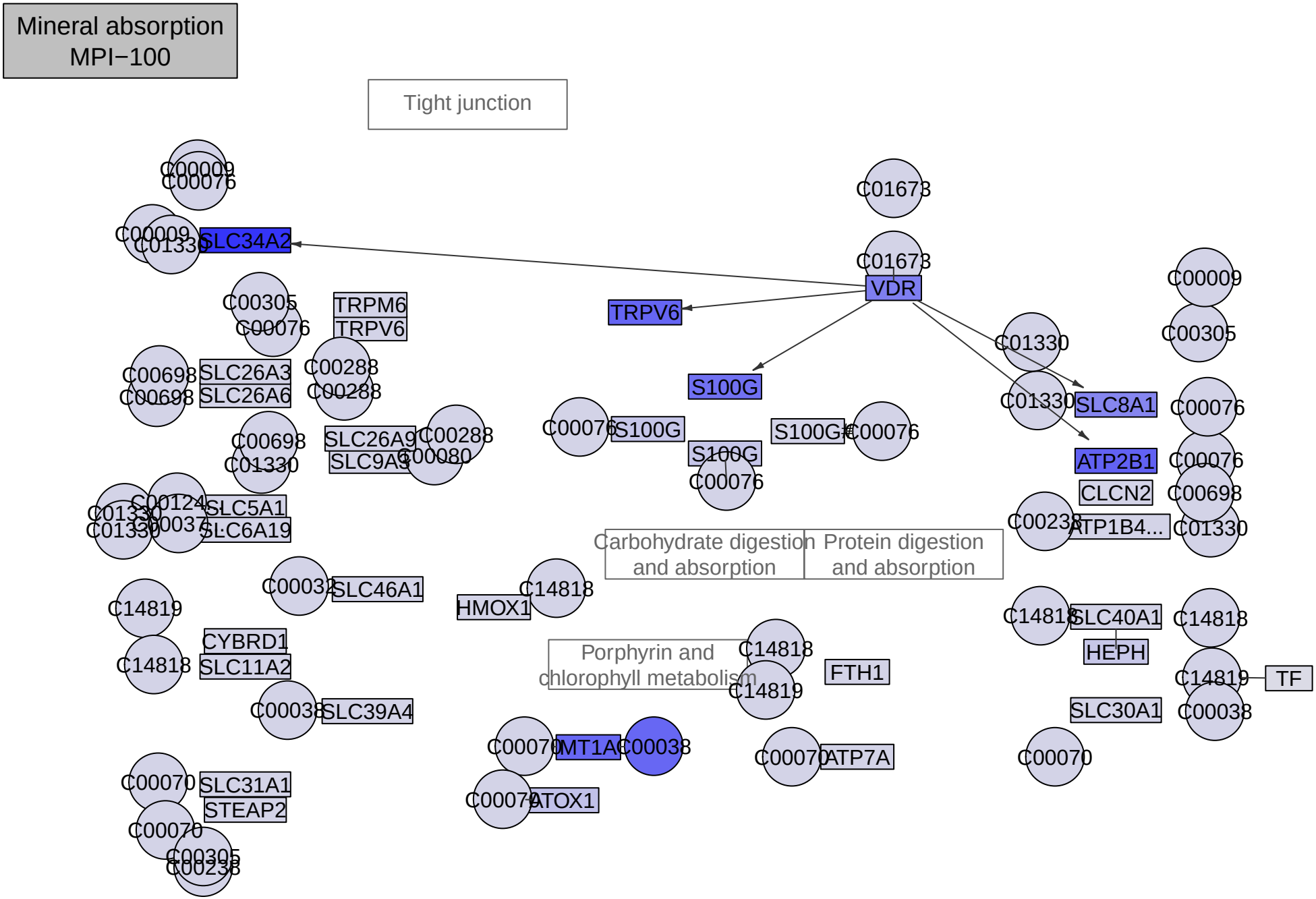
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TRPV6
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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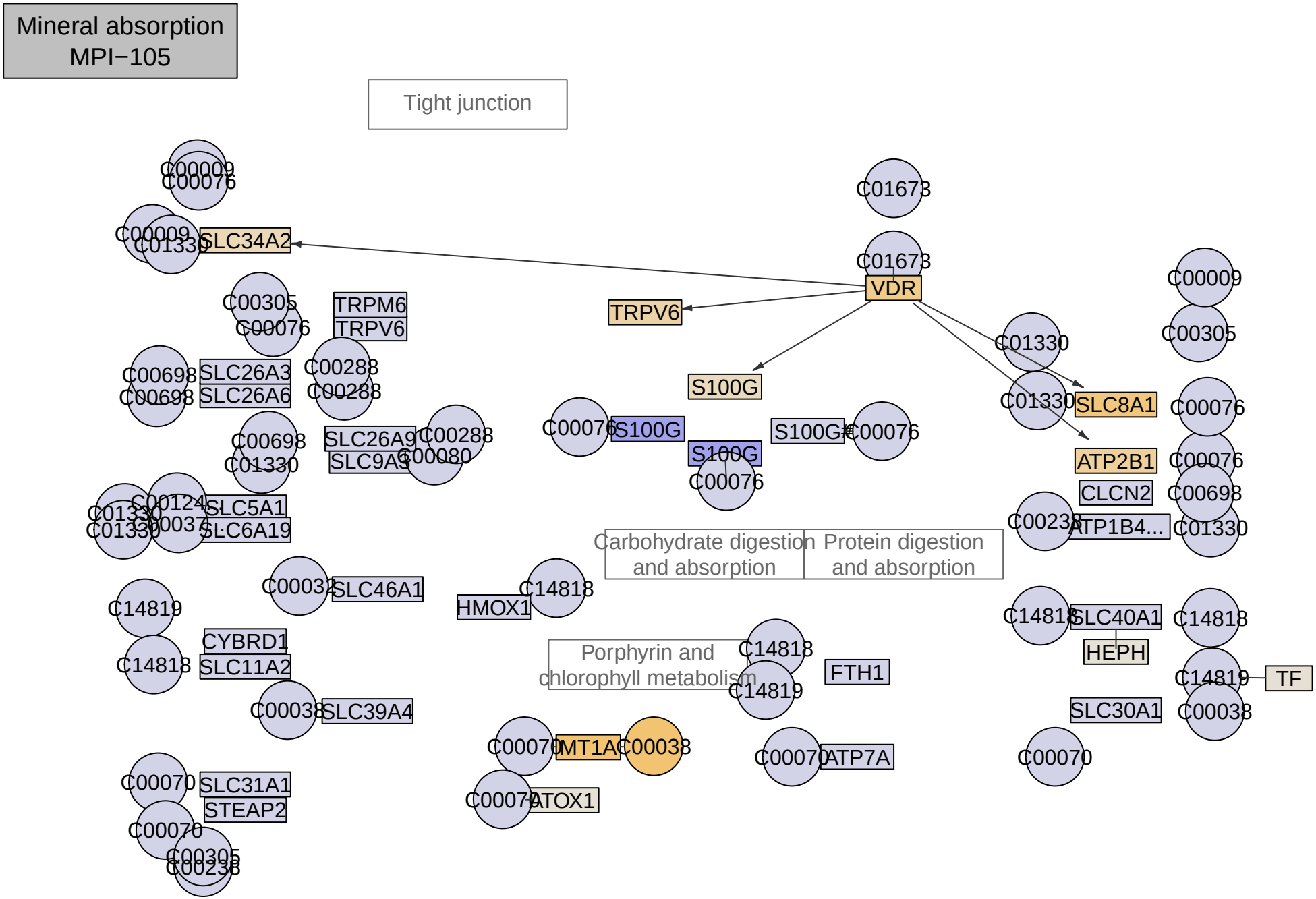
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TRPV6
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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HEPH
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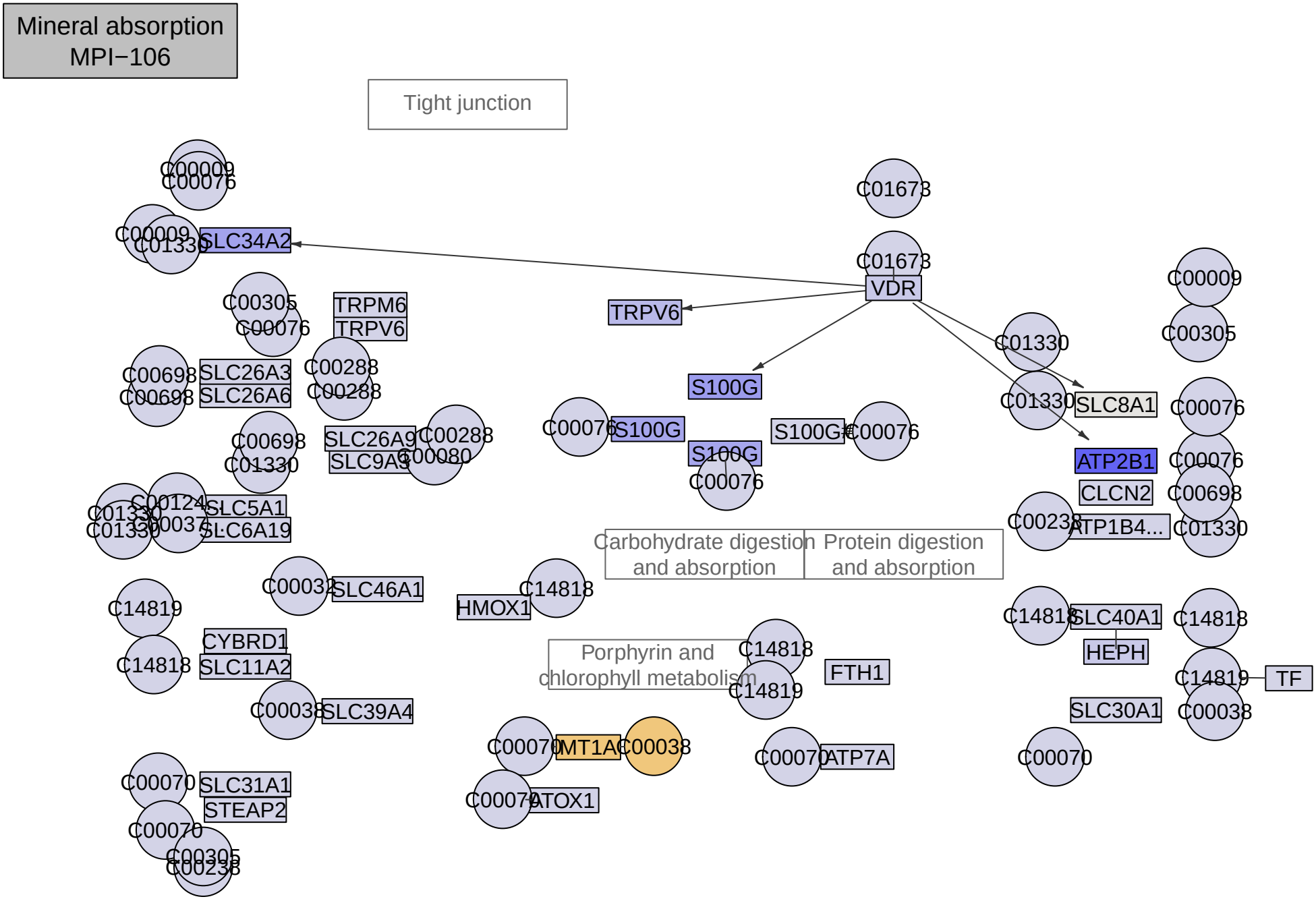
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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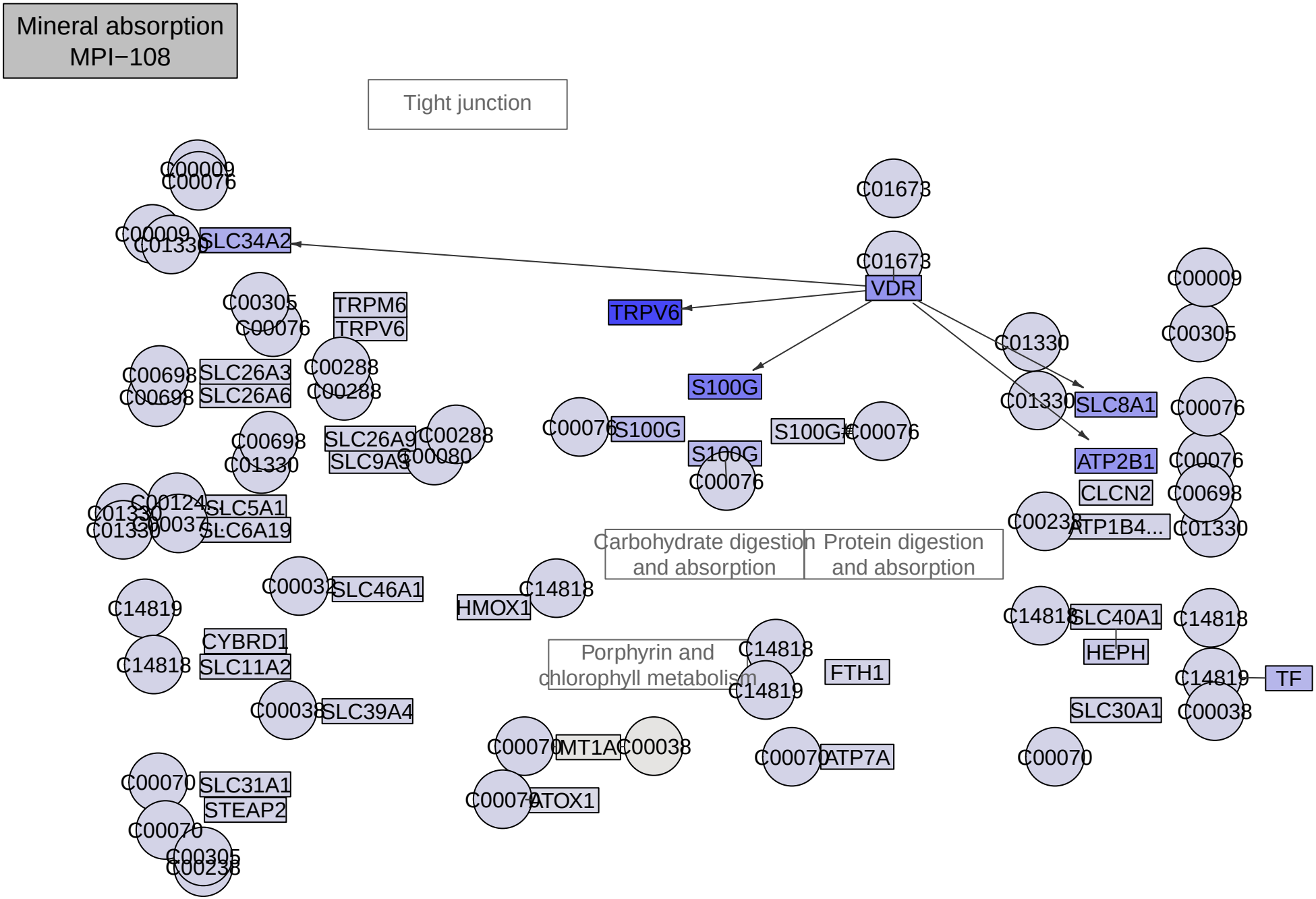
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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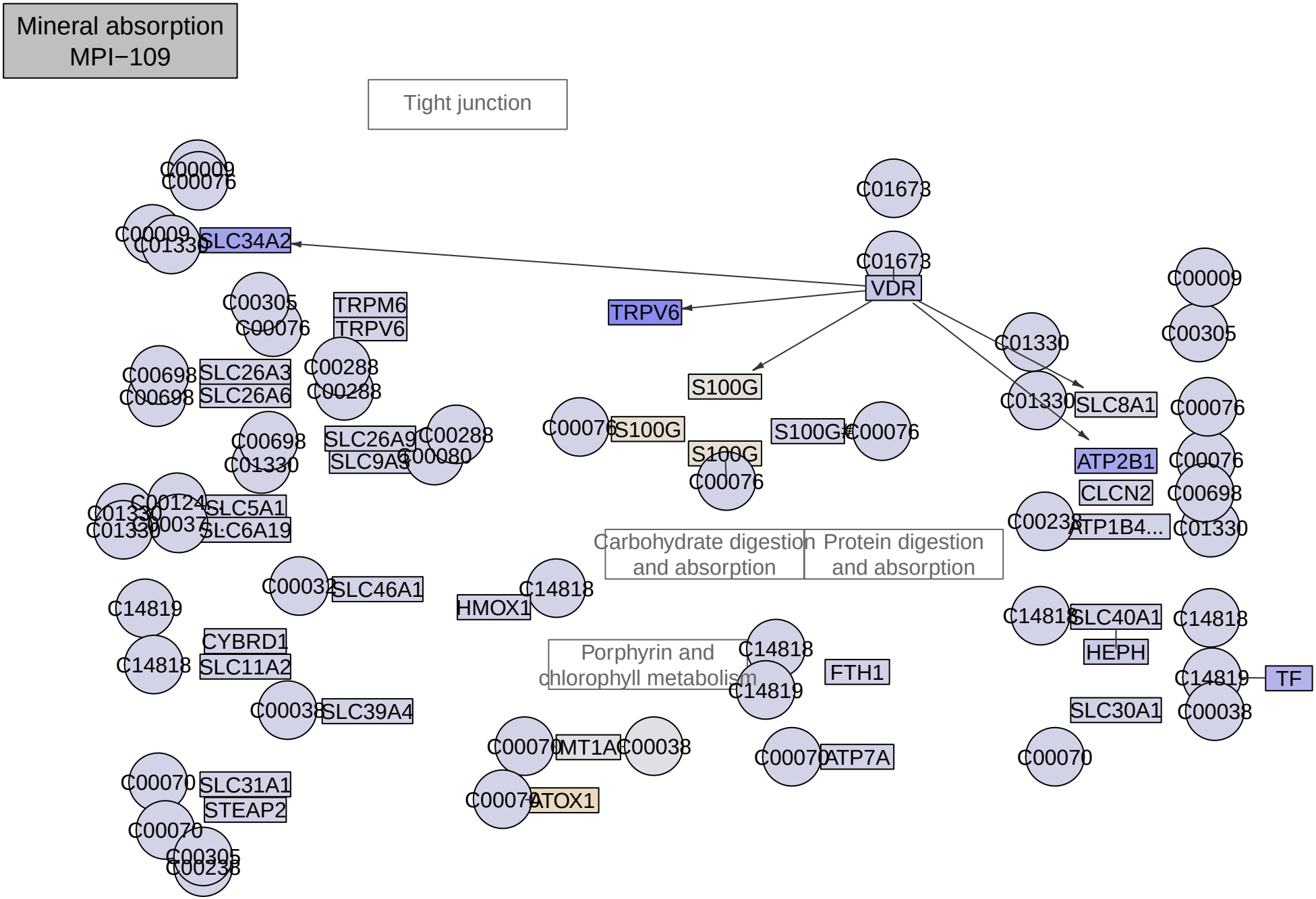
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TRPV6
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Protein digestion and absorption
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CYBRD1
SLC11A2
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Porphyrin and chlorophyll metabolism
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FTH1
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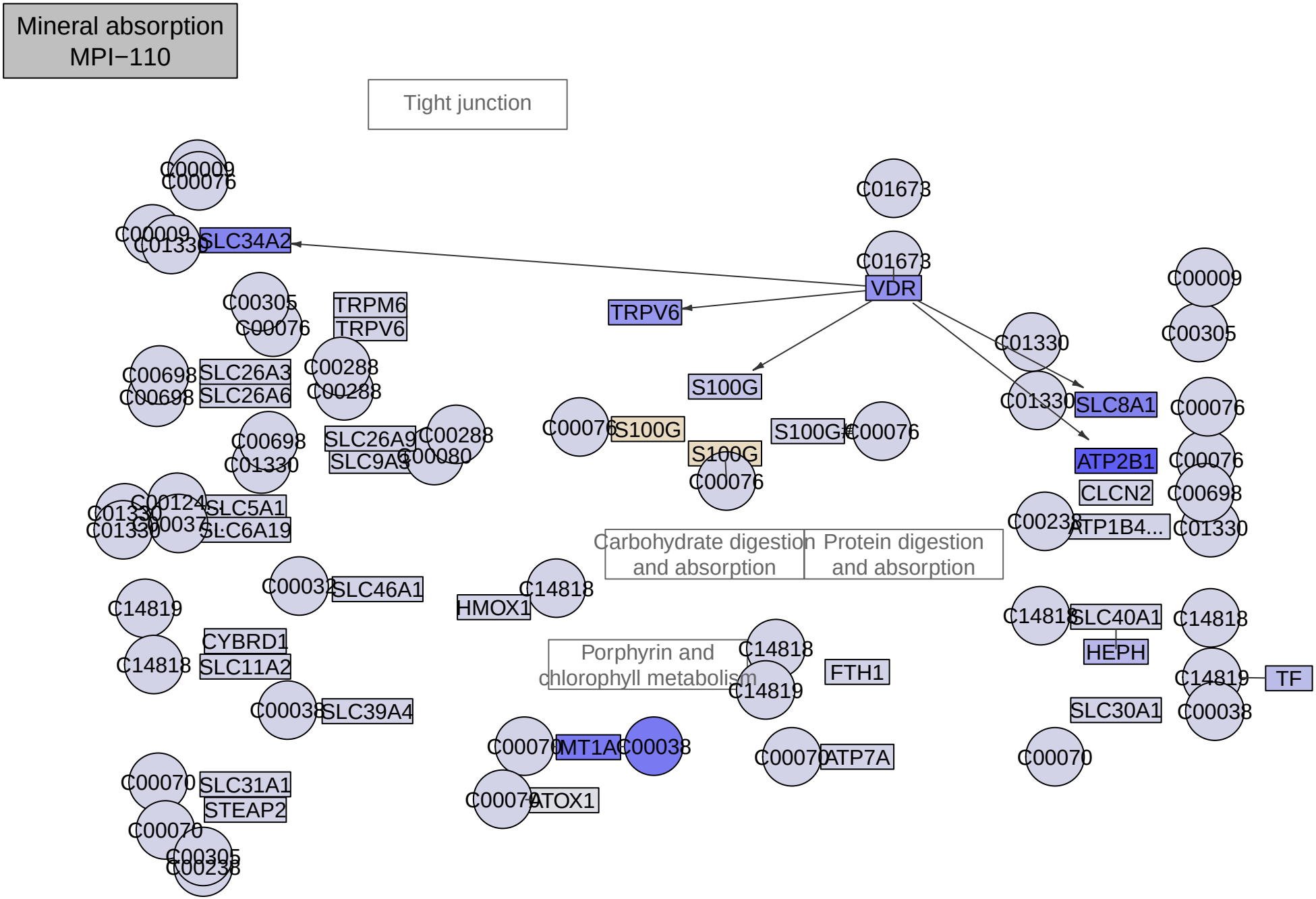
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Carbohydrate digestion and absorption
Protein digestion and absorption
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SLC11A2
Porphyrin and chlorophyll metabolism
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HEPH
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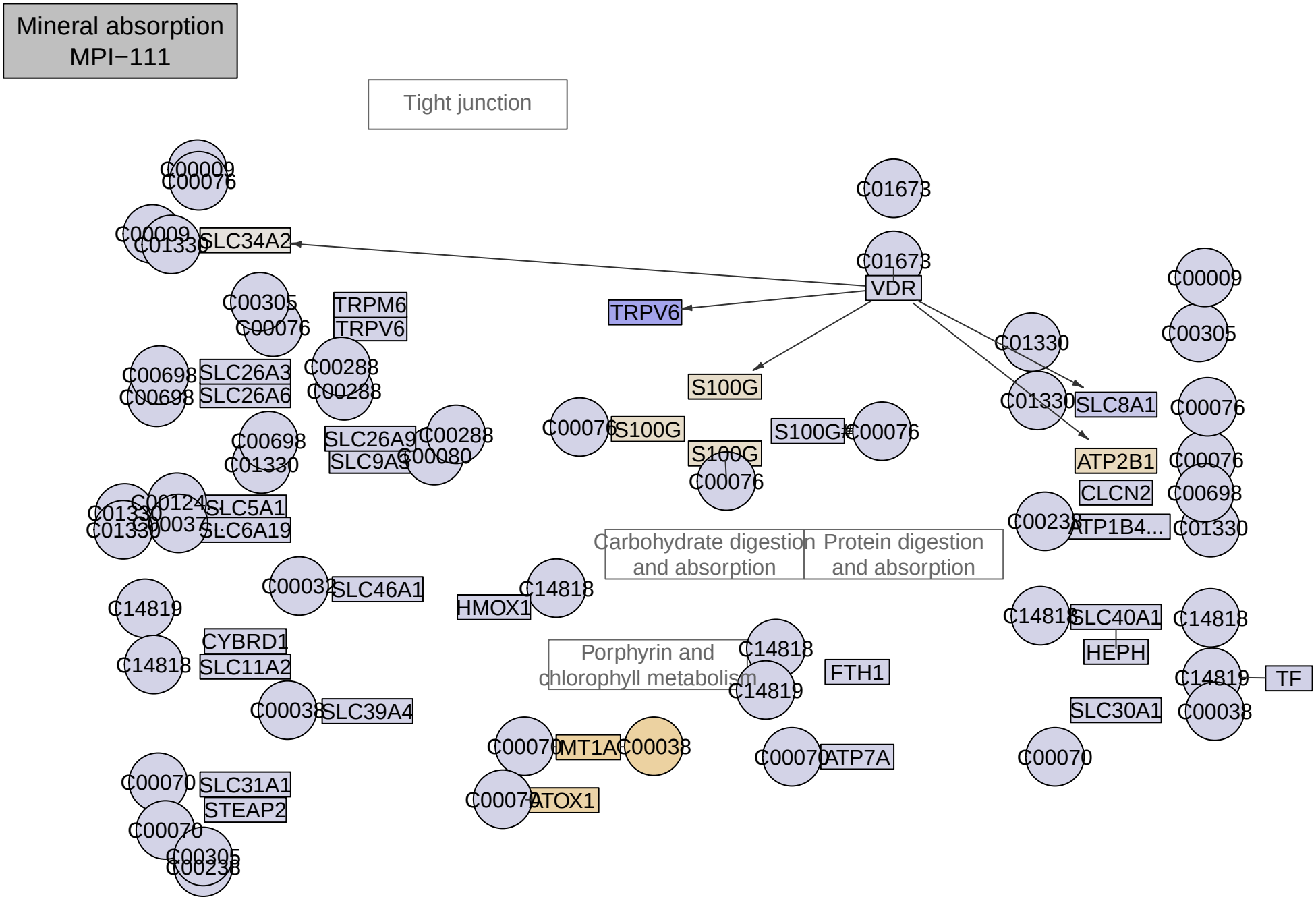
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C01330
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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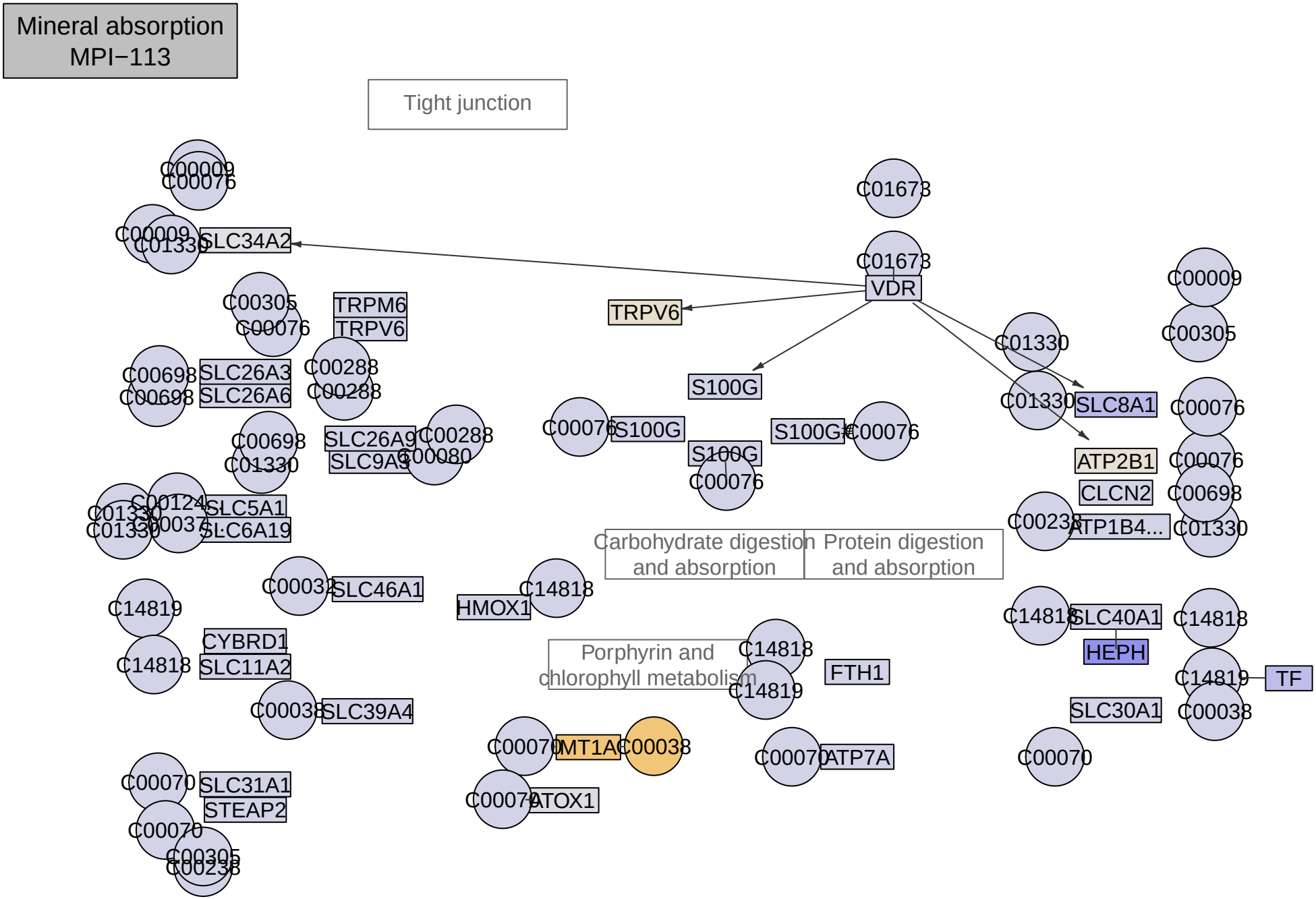
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CYBRD1
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
Porphyrin and chlorophyll metabolism
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ATOX1
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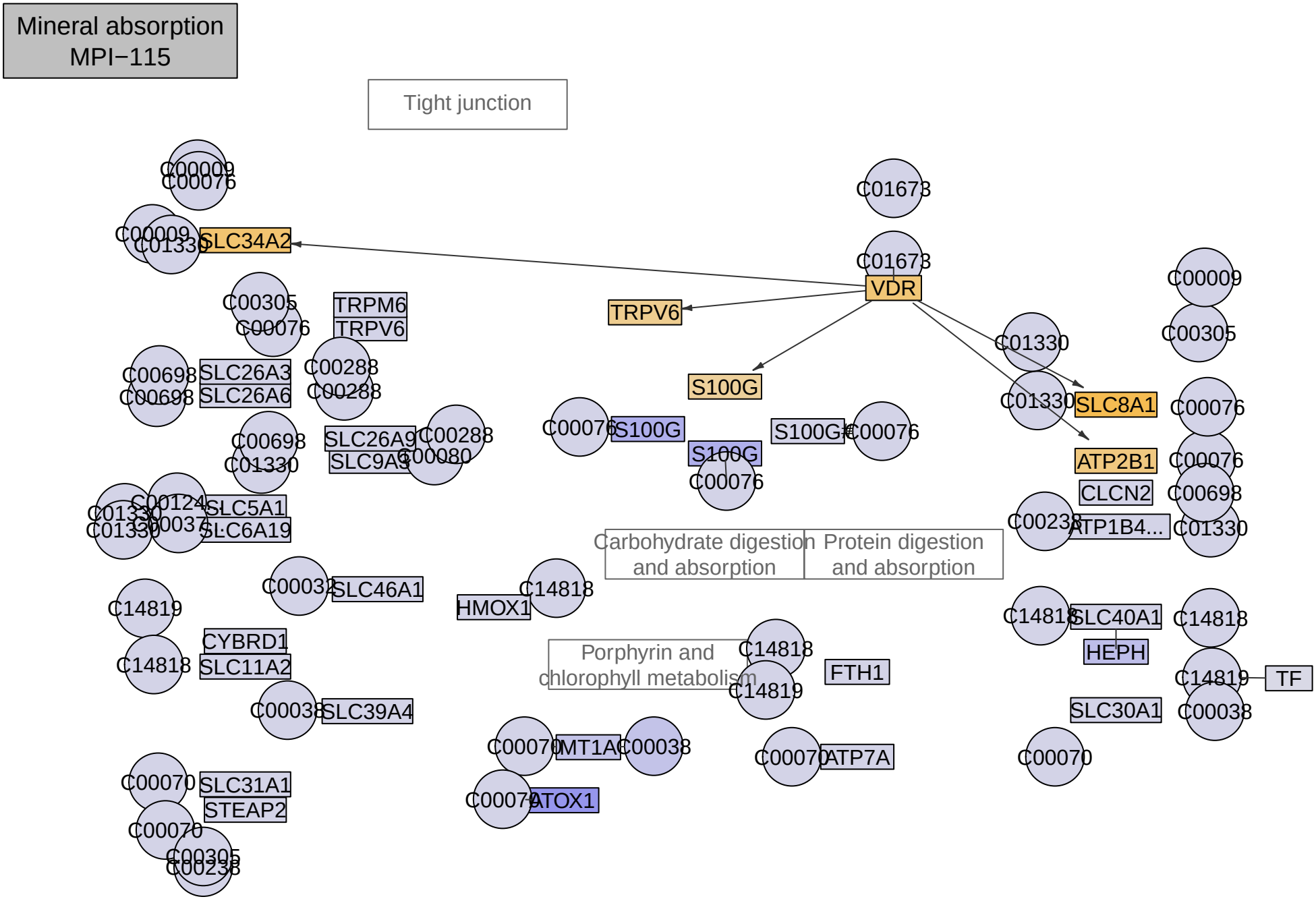
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ATP2B1
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CLCN2
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TRPV6
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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Porphyrin and chlorophyll metabolism
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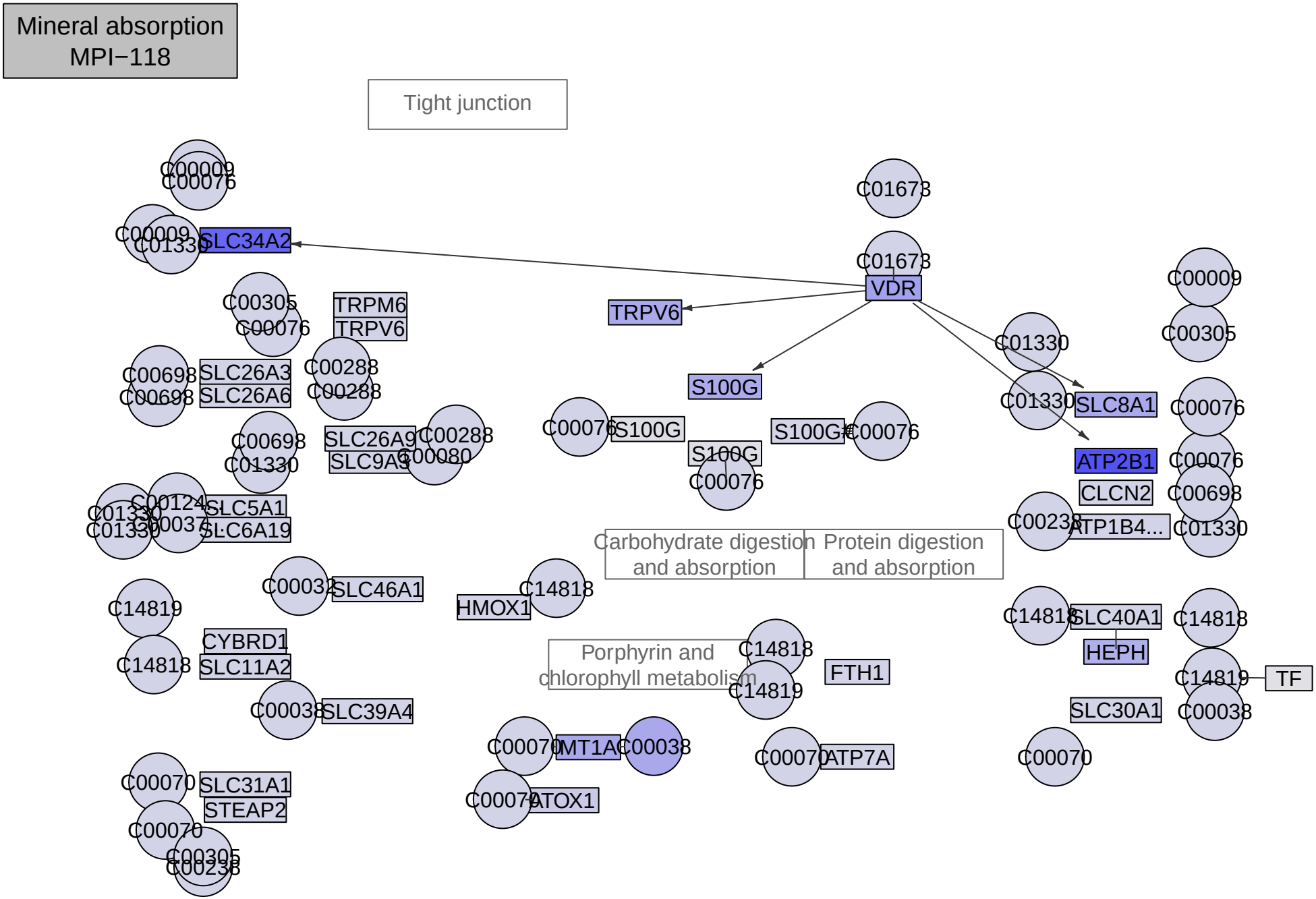
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TRPV6
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Carbohydrate digestion and absorption
Protein digestion and absorption
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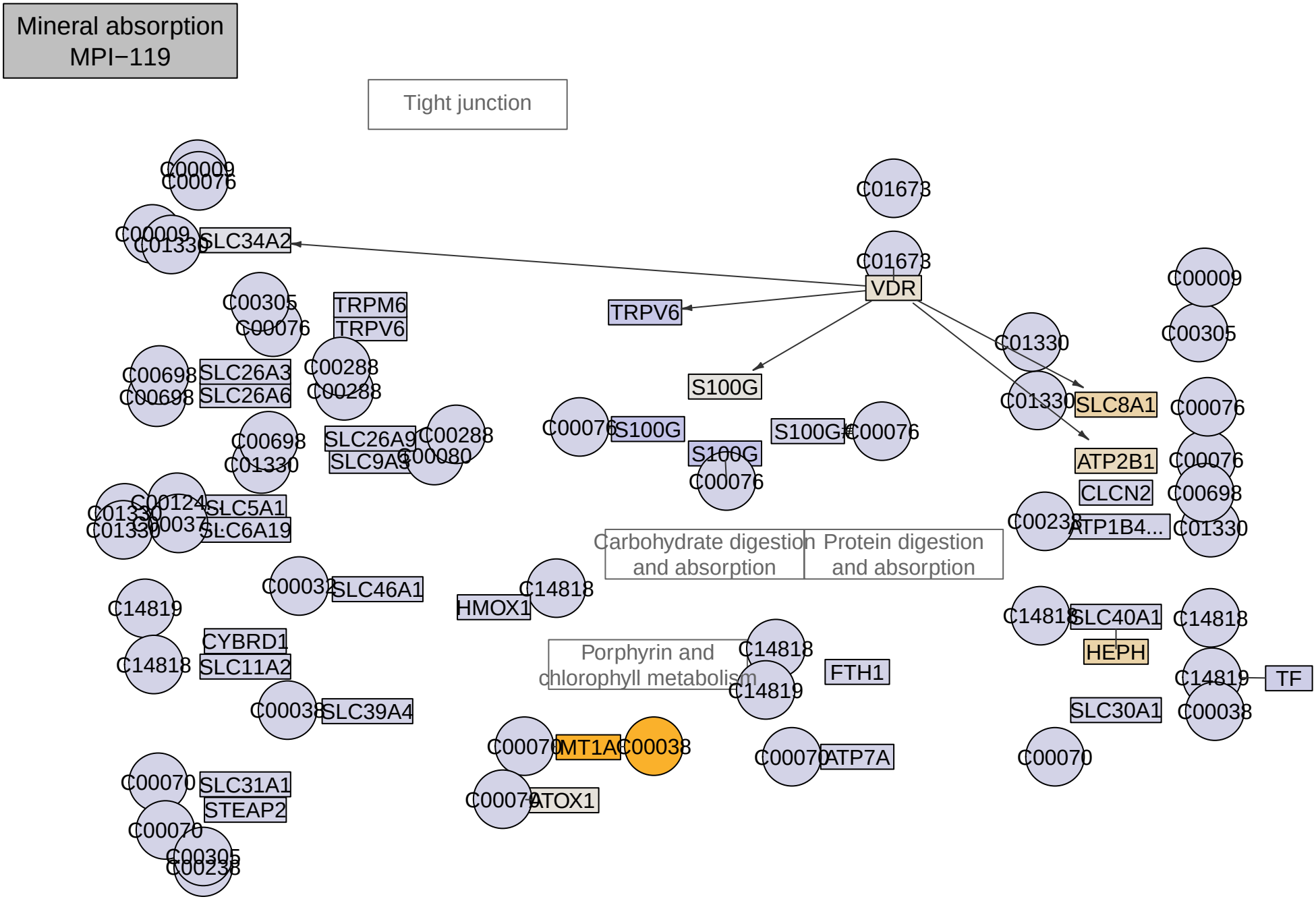
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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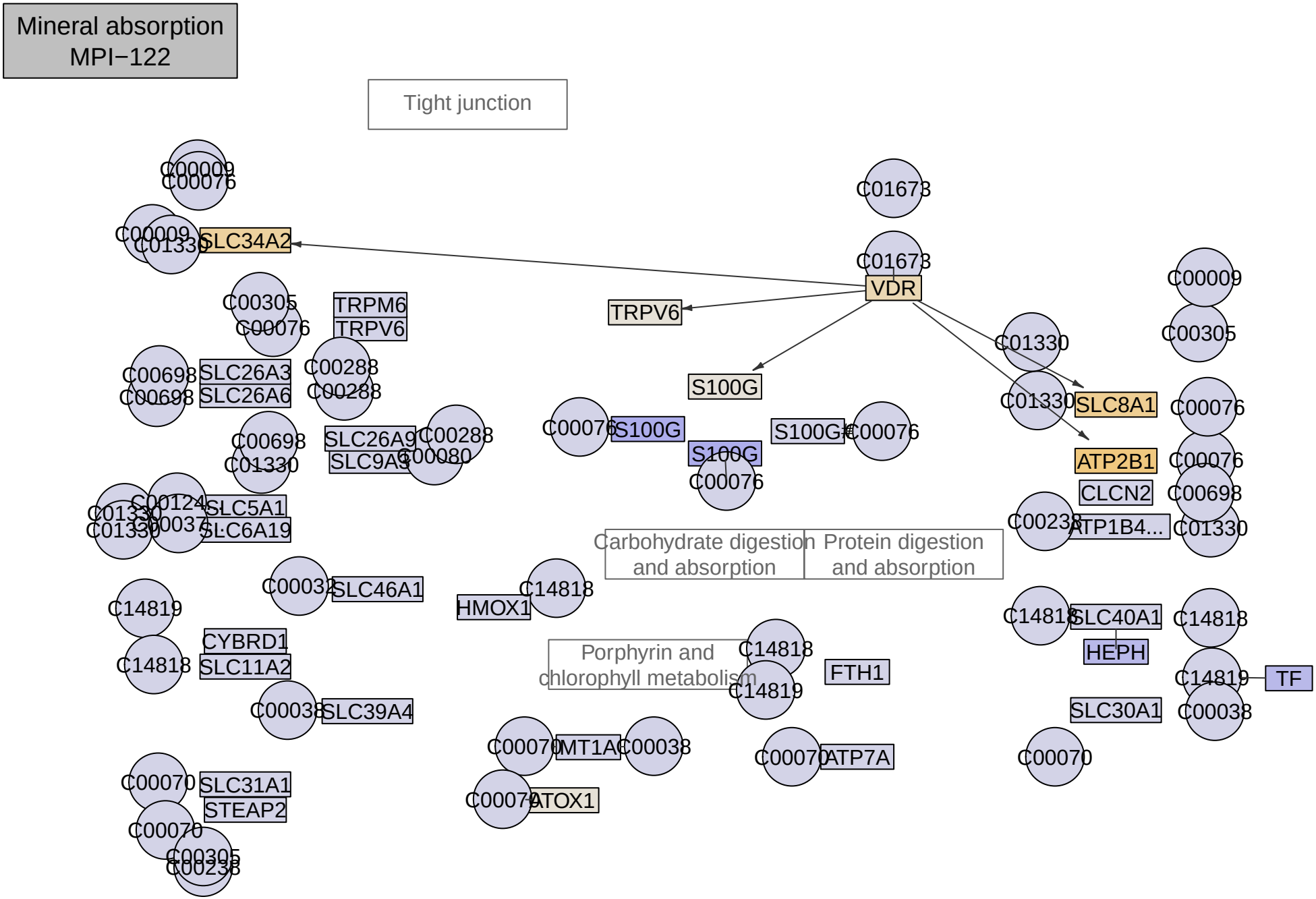
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Carbohydrate digestion and absorption
Protein digestion and absorption
HMOX1
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Porphyrin and chlorophyll metabolism
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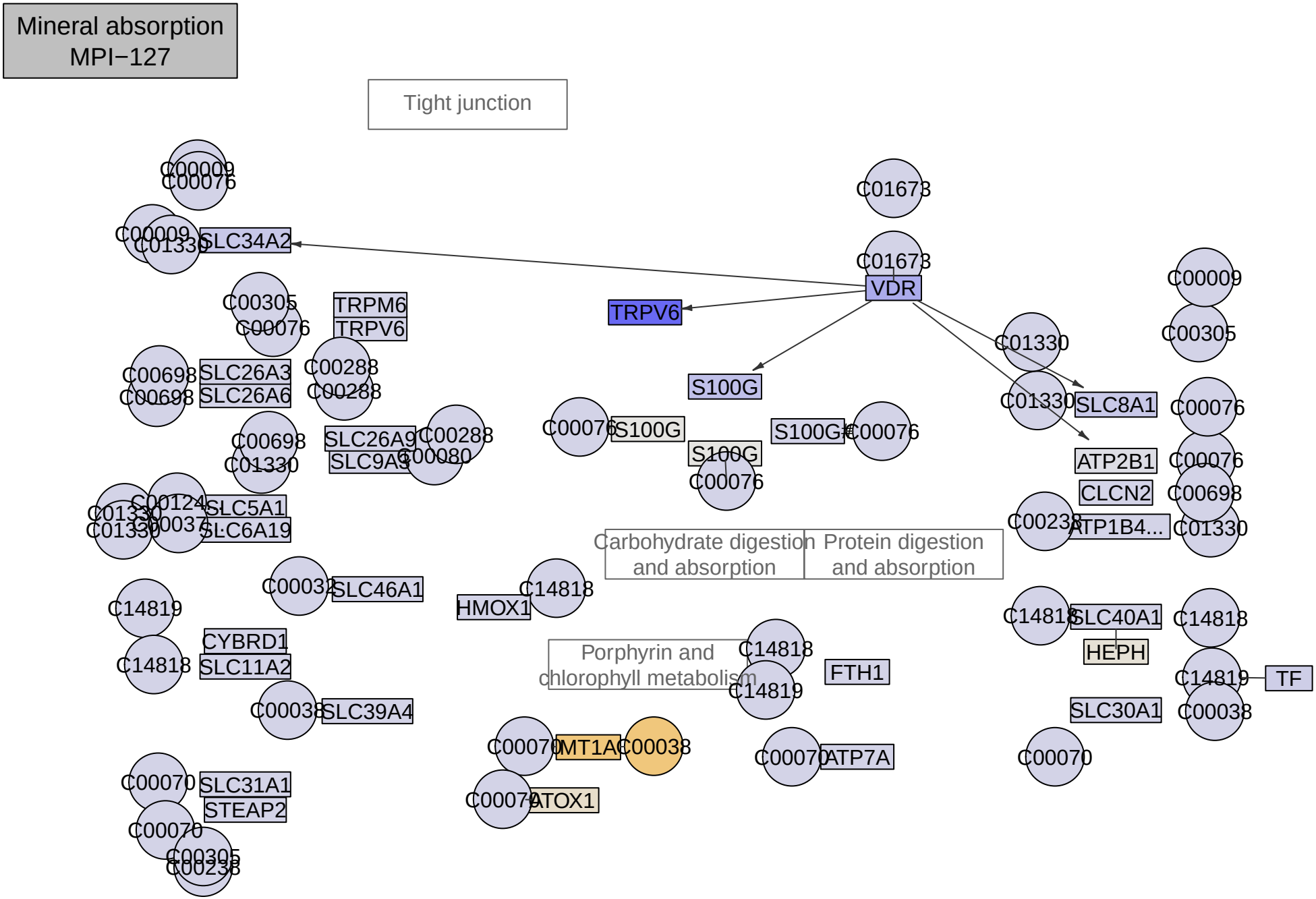
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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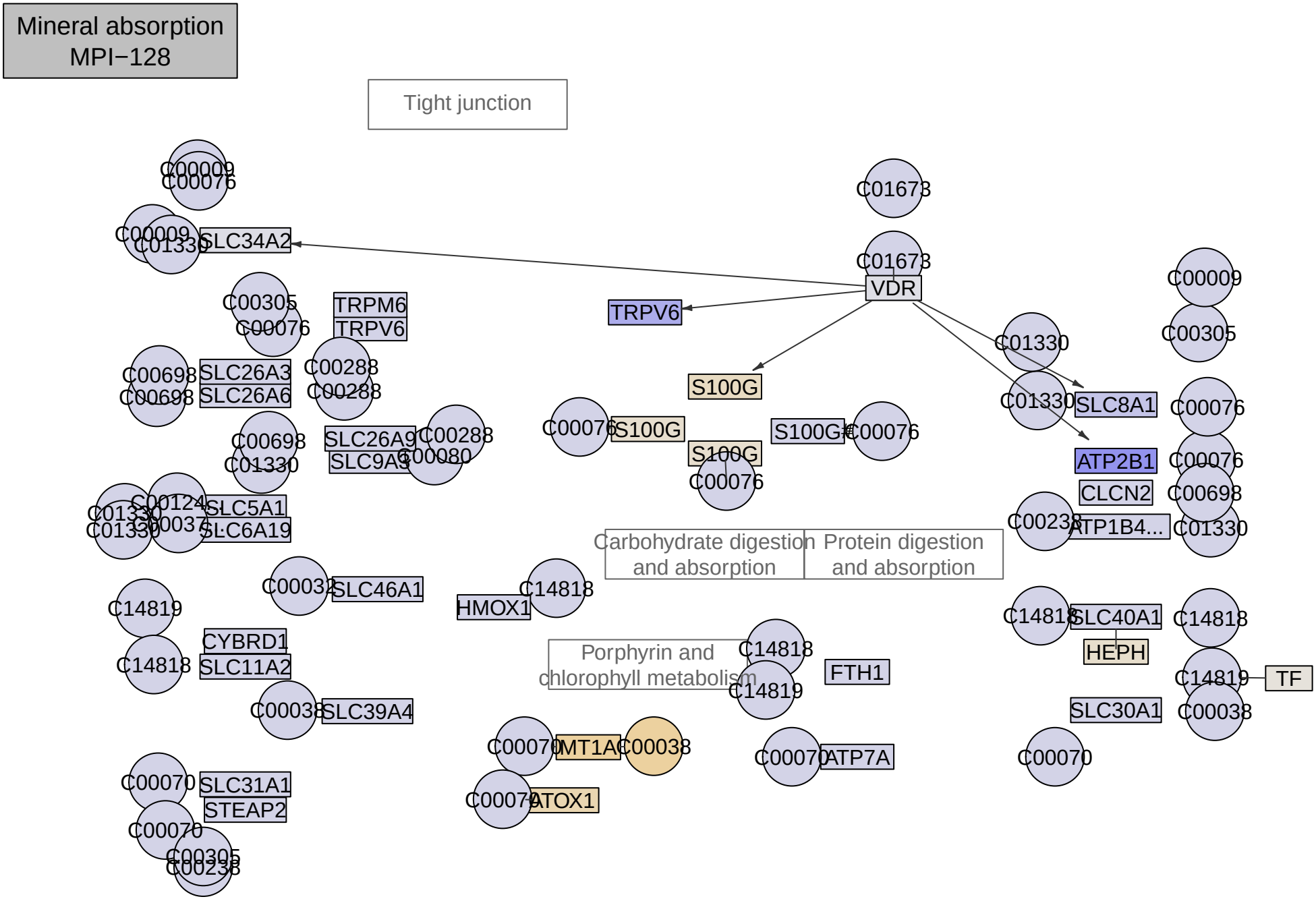
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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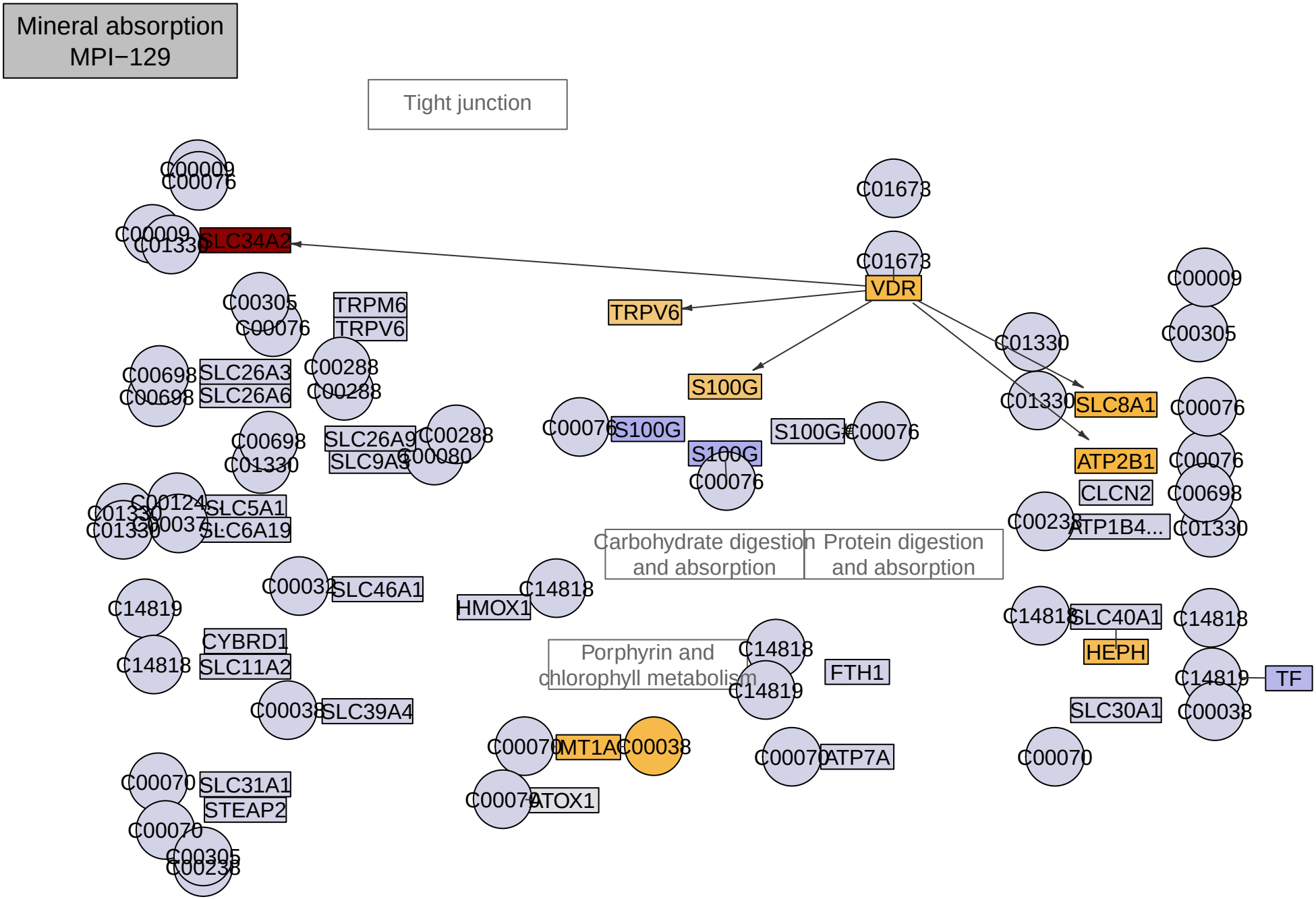
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Protein digestion and absorption
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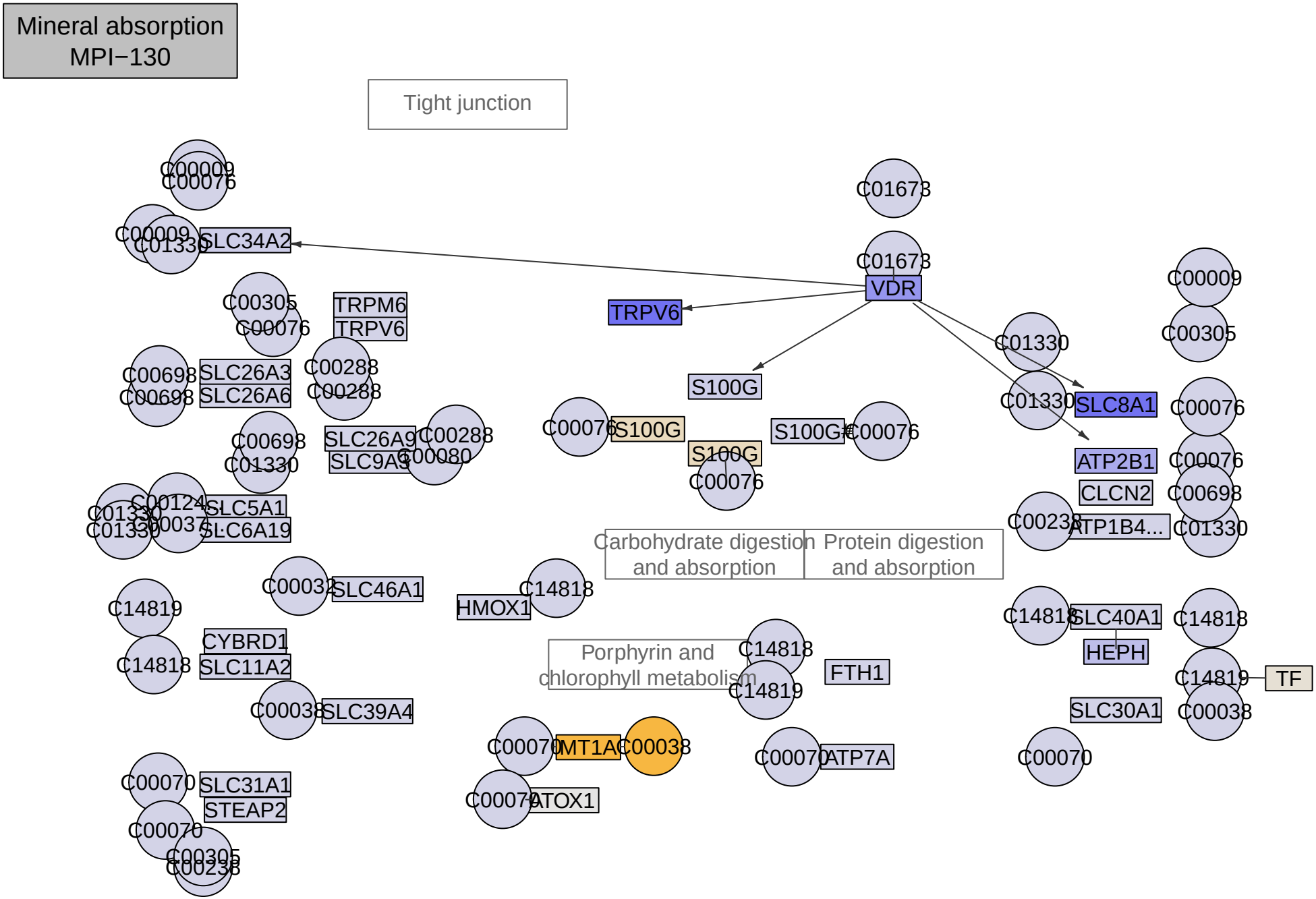
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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HEPH
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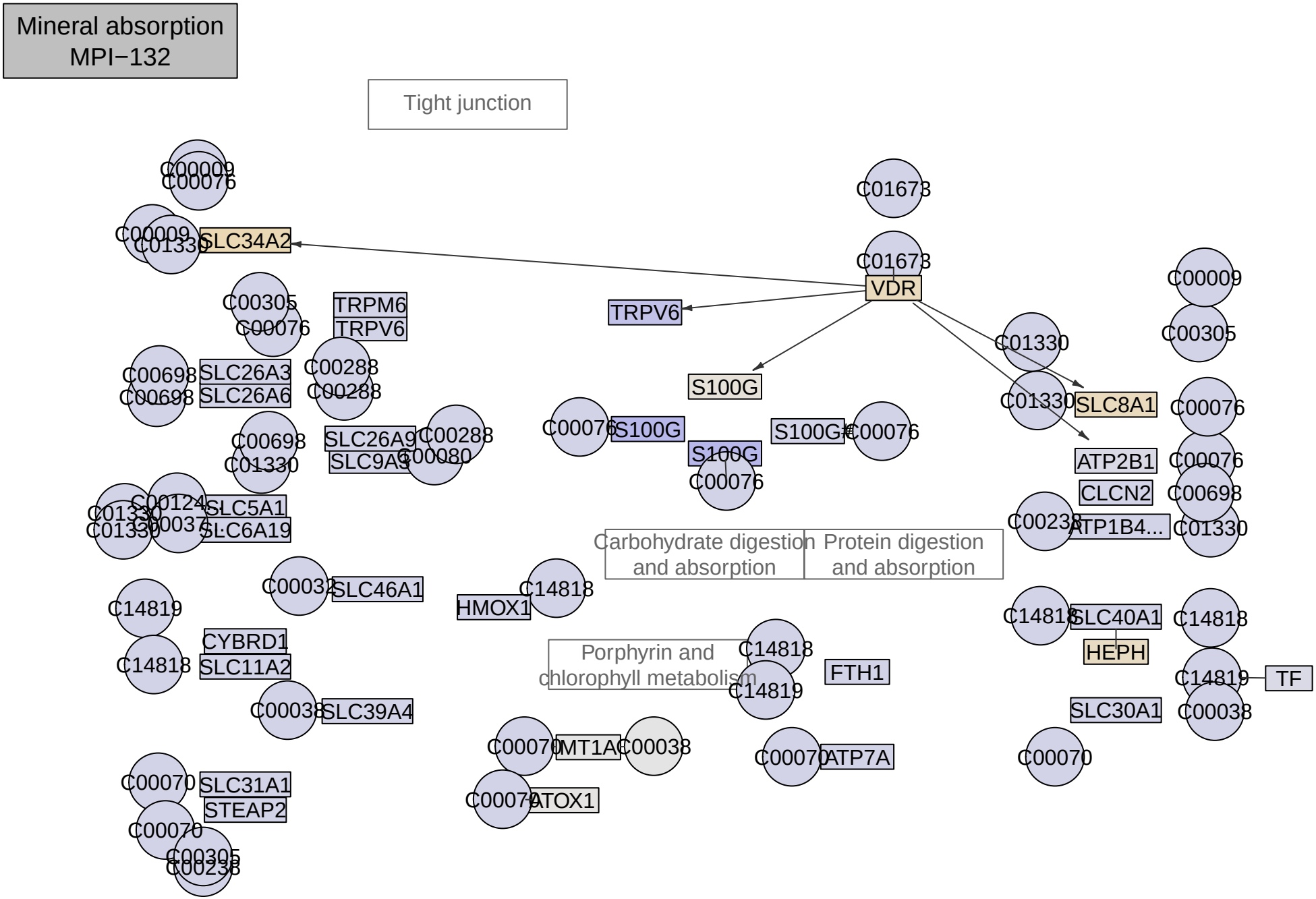
Mineral absorption
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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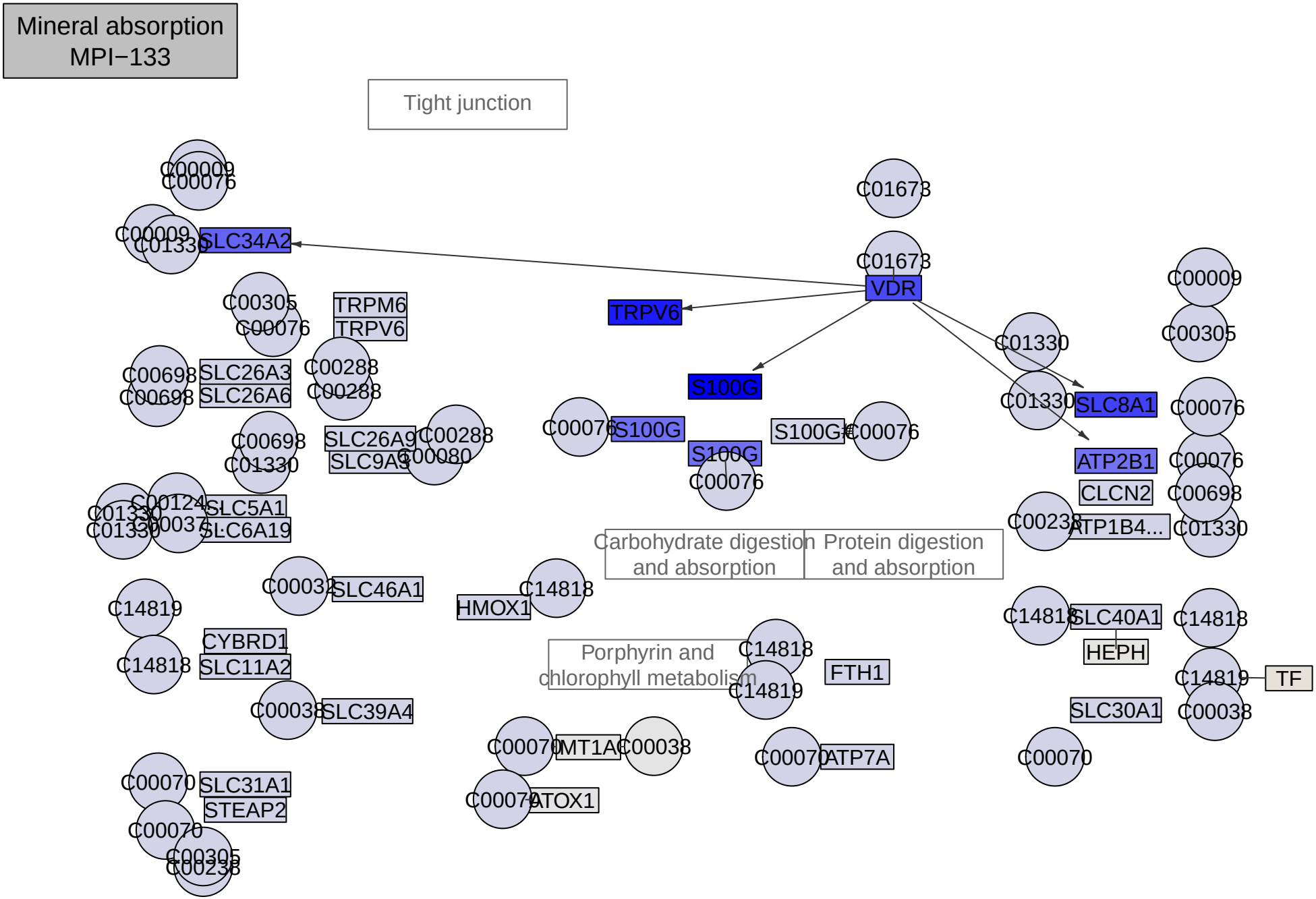
Mineral absorption
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Protein digestion and absorption
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CYBRD1
C14818
SLC11A2
Porphyrin and chlorophyll metabolism
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C14819
FTH1
HEPH
C14819
TF
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SLC30A1
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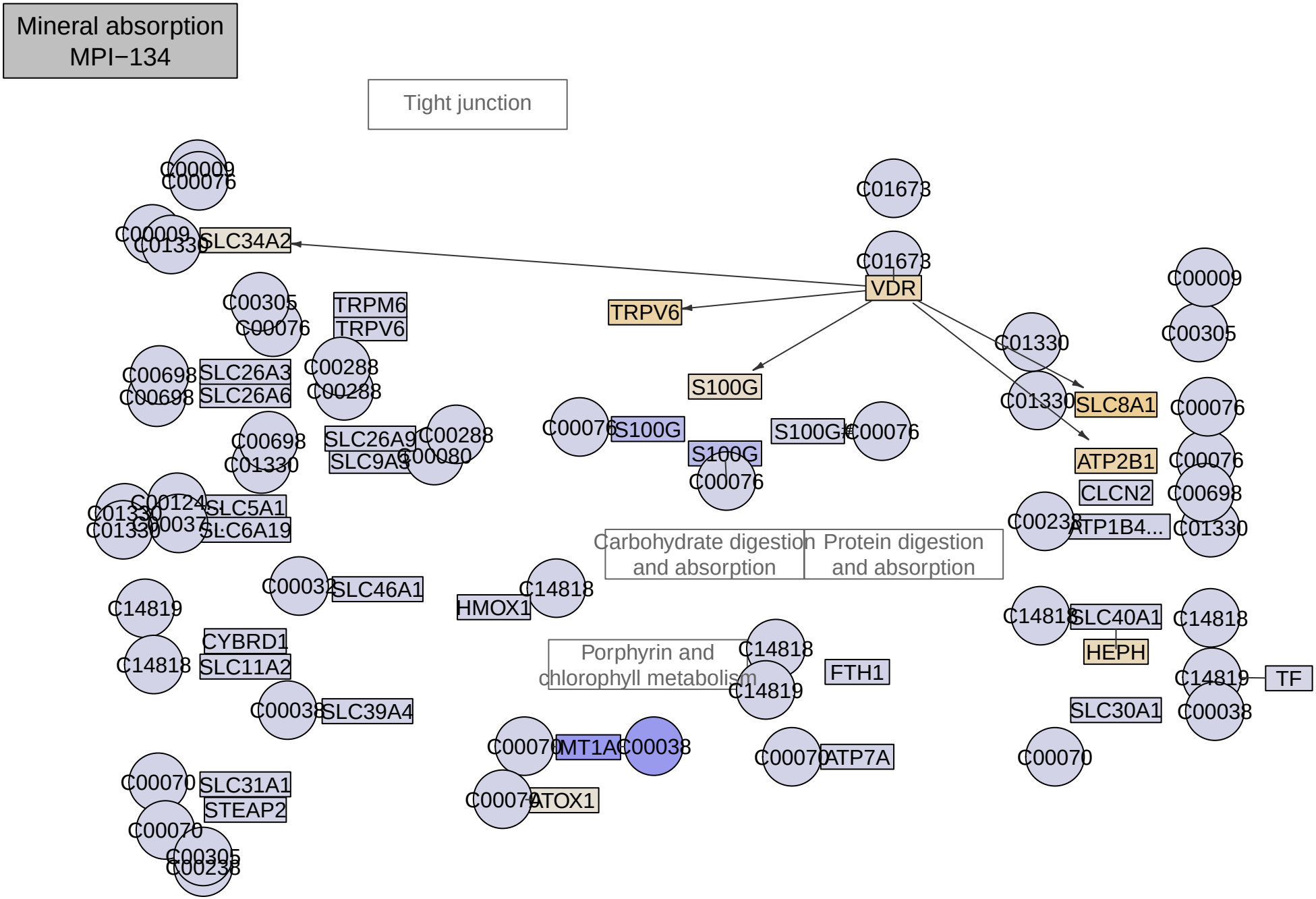
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Tight junction
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SLC9A3
C00288
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C00124
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CYBRD1
C14818
SLC11A2
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SLC31A1
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VDR
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
Porphyrin and chlorophyll metabolism
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ATOX1
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SLC8A1
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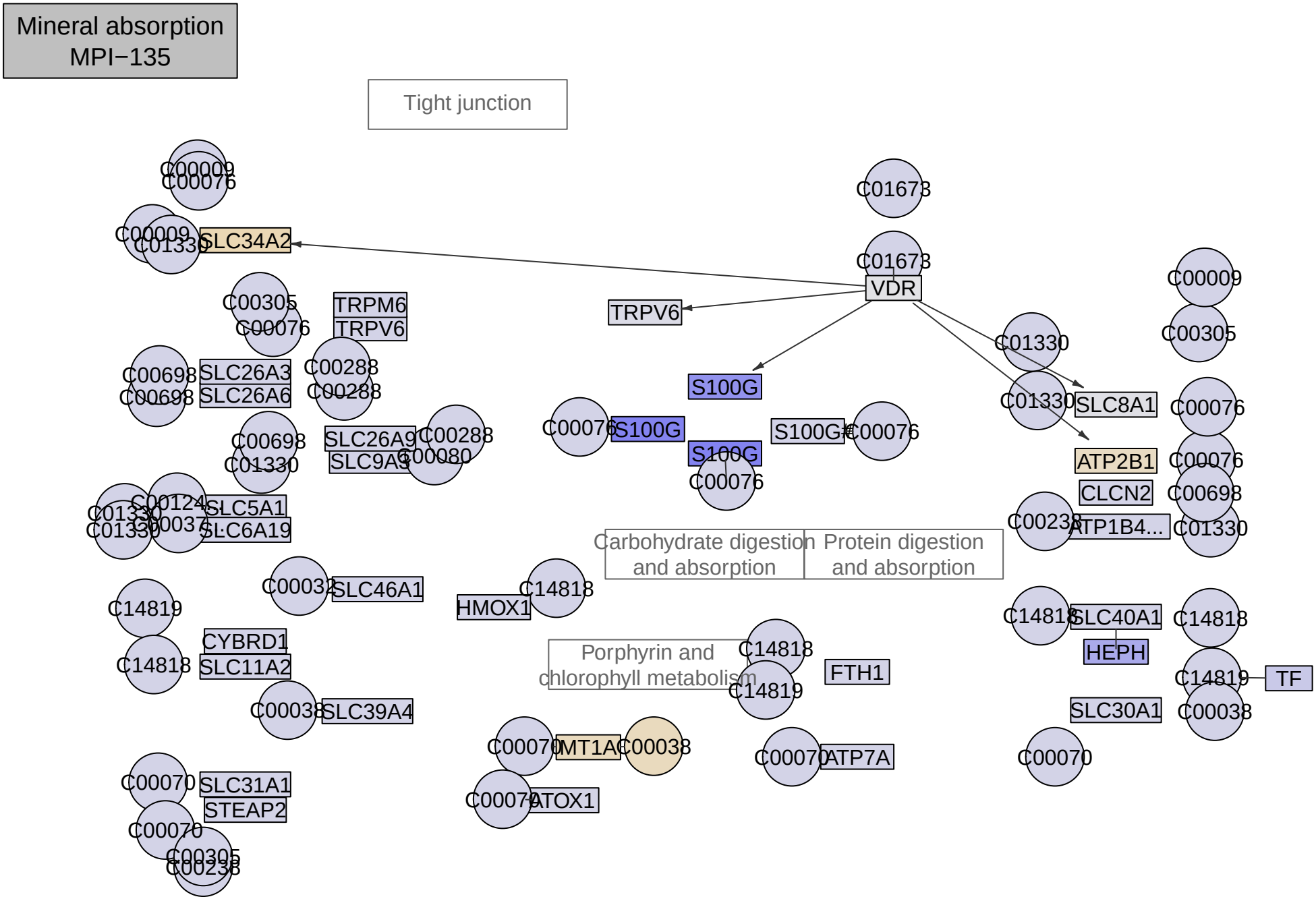
Mineral absorption
MPI−135
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TRPV6
TRPV6
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SLC26A6
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C01330
SLC8A1
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S100G
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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SLC11A2
Porphyrin and chlorophyll metabolism
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C14819
FTH1
HEPH
C14819
TF
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SLC30A1
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MT1A
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STEAP2
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ATOX1
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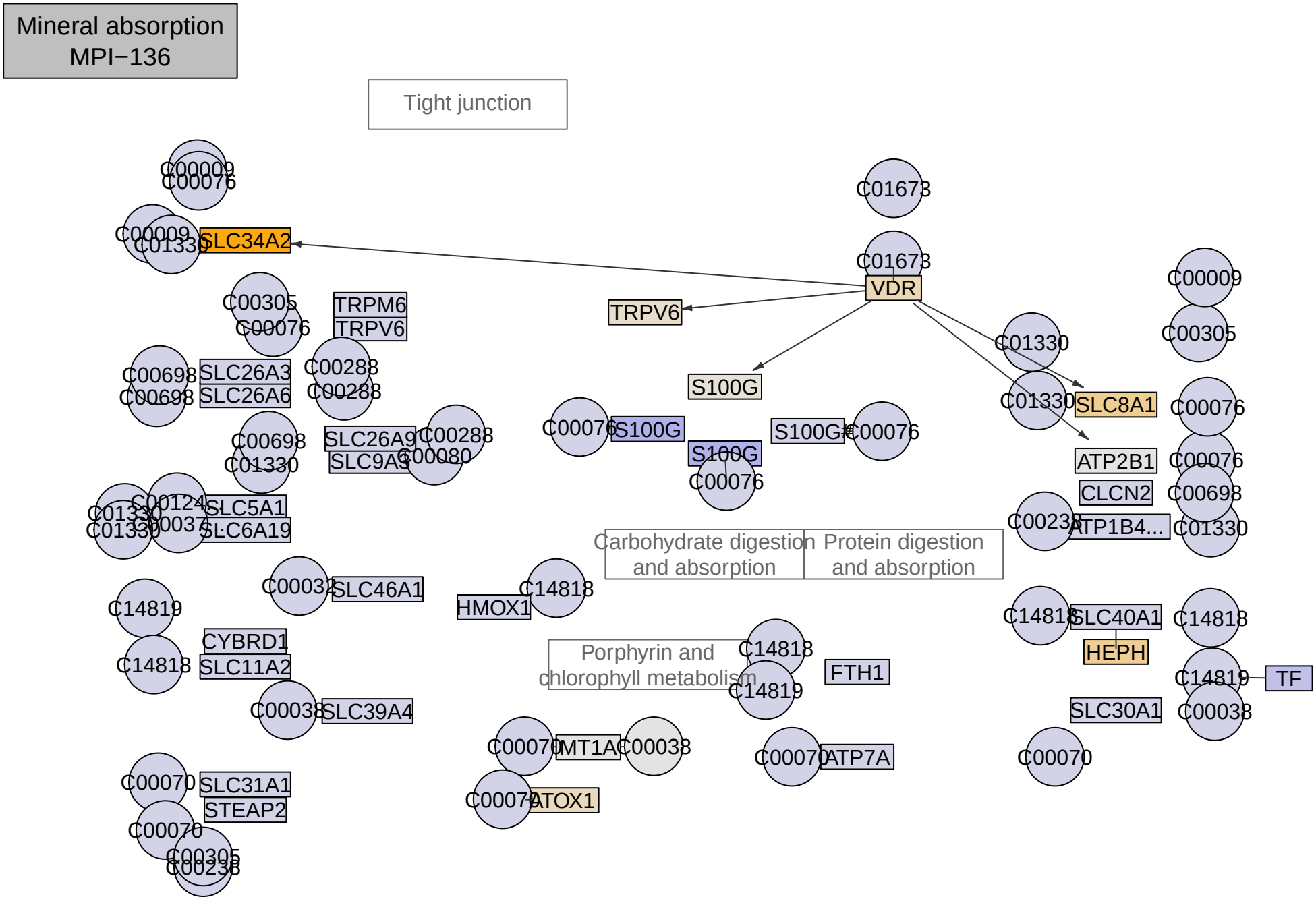
Mineral absorption
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VDR
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TRPV6
TRPV6
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SLC9A3
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S100G
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ATP2B1
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CLCN2
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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SLC40A1
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CYBRD1
HEPH
C14818
SLC11A2
Porphyrin and chlorophyll metabolism
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FTH1
C14819
C14819
TF
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SLC39A4
SLC30A1
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MT1A
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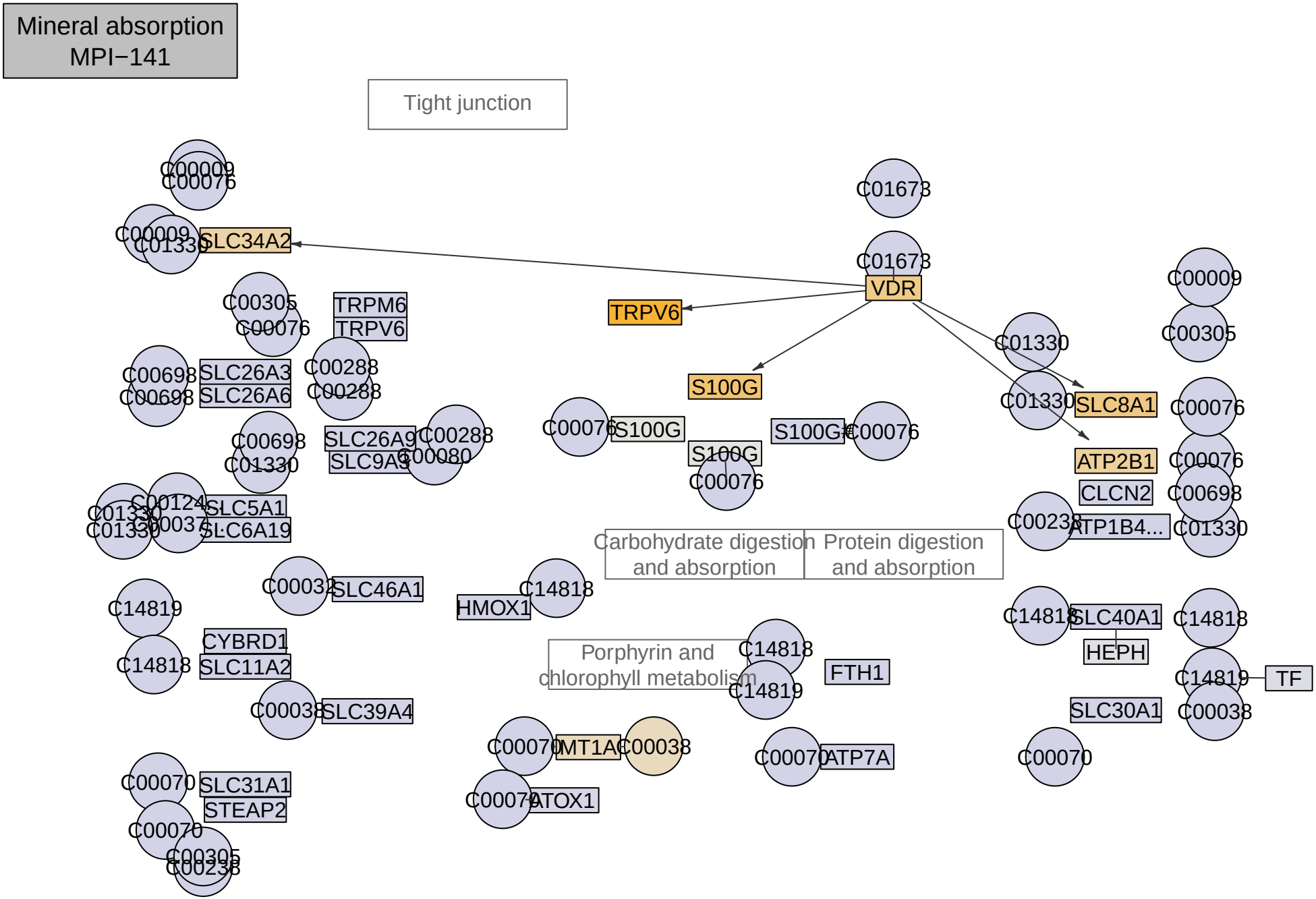
Mineral absorption
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VDR
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TRPV6
TRPV6
C01330
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C00698
SLC26A3
SLC26A6
C00288
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S100G
C01330
SLC8A1
C00076
C00698
SLC26A9
SLC9A3
C00288
C00080
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S100G
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C00076
C01330
ATP2B1
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SLC6A19
CLCN2
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ATP1B4...
C01330
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
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C14818
HMOX1
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C14818
SLC40A1
C14818
CYBRD1
C14818
SLC11A2
Porphyrin and chlorophyll metabolism
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FTH1
HEPH
C14819
TF
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SLC30A1
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STEAP2
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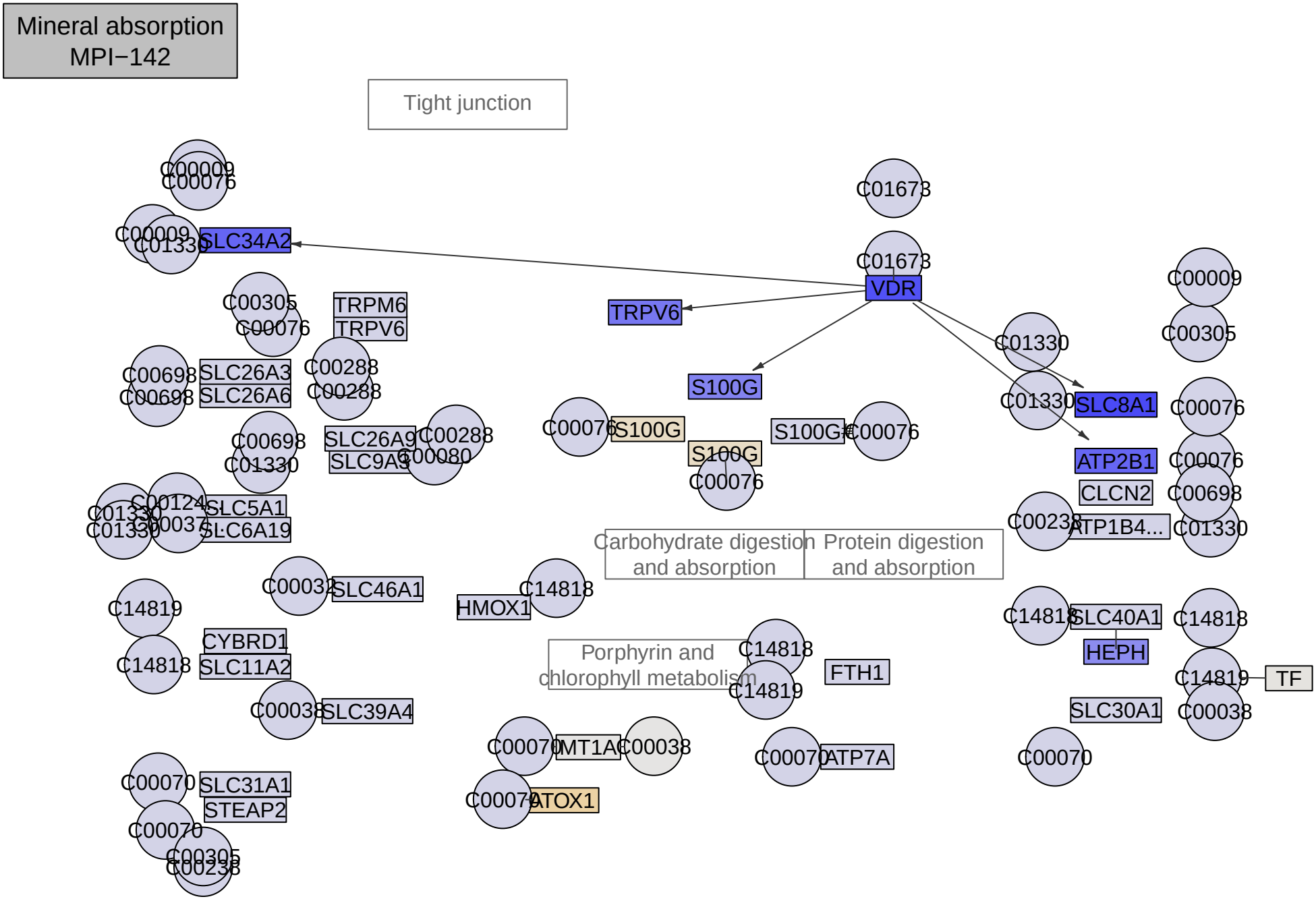
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MPI−142
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S100G
C00076
S100G
C00076
ATP2B1
C00076
CLCN2
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SLC6A19
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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CYBRD1
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SLC11A2
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SLC40A1
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HEPH
Porphyrin and chlorophyll metabolism
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FTH1
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TF
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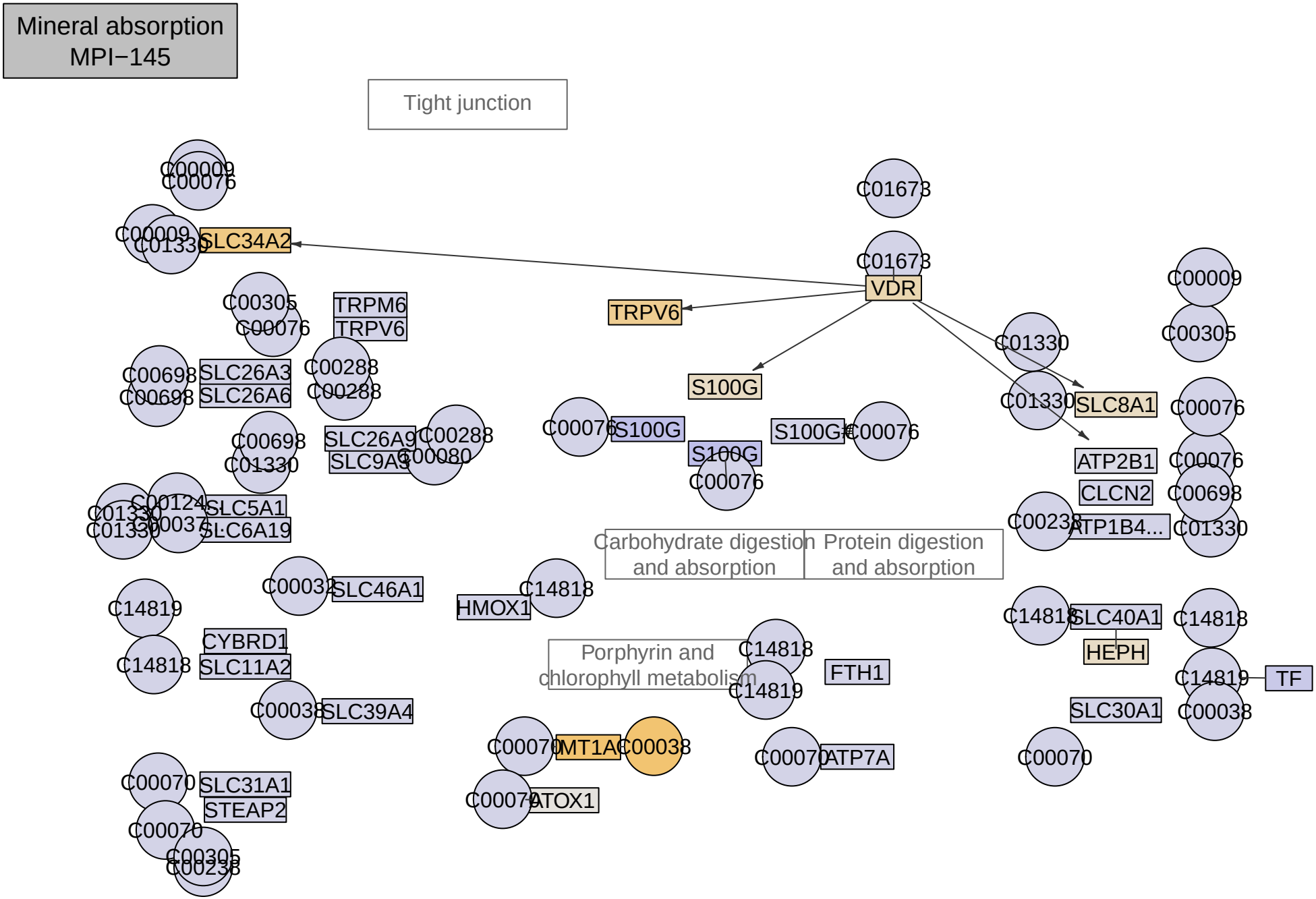
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SLC8A1
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ATP2B1
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CLCN2
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ATP1B4...
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TRPV6
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SLC9A3
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C01330
SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
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CYBRD1
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SLC11A2
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SLC39A4
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HMOX1
Porphyrin and chlorophyll metabolism
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C14819
FTH1
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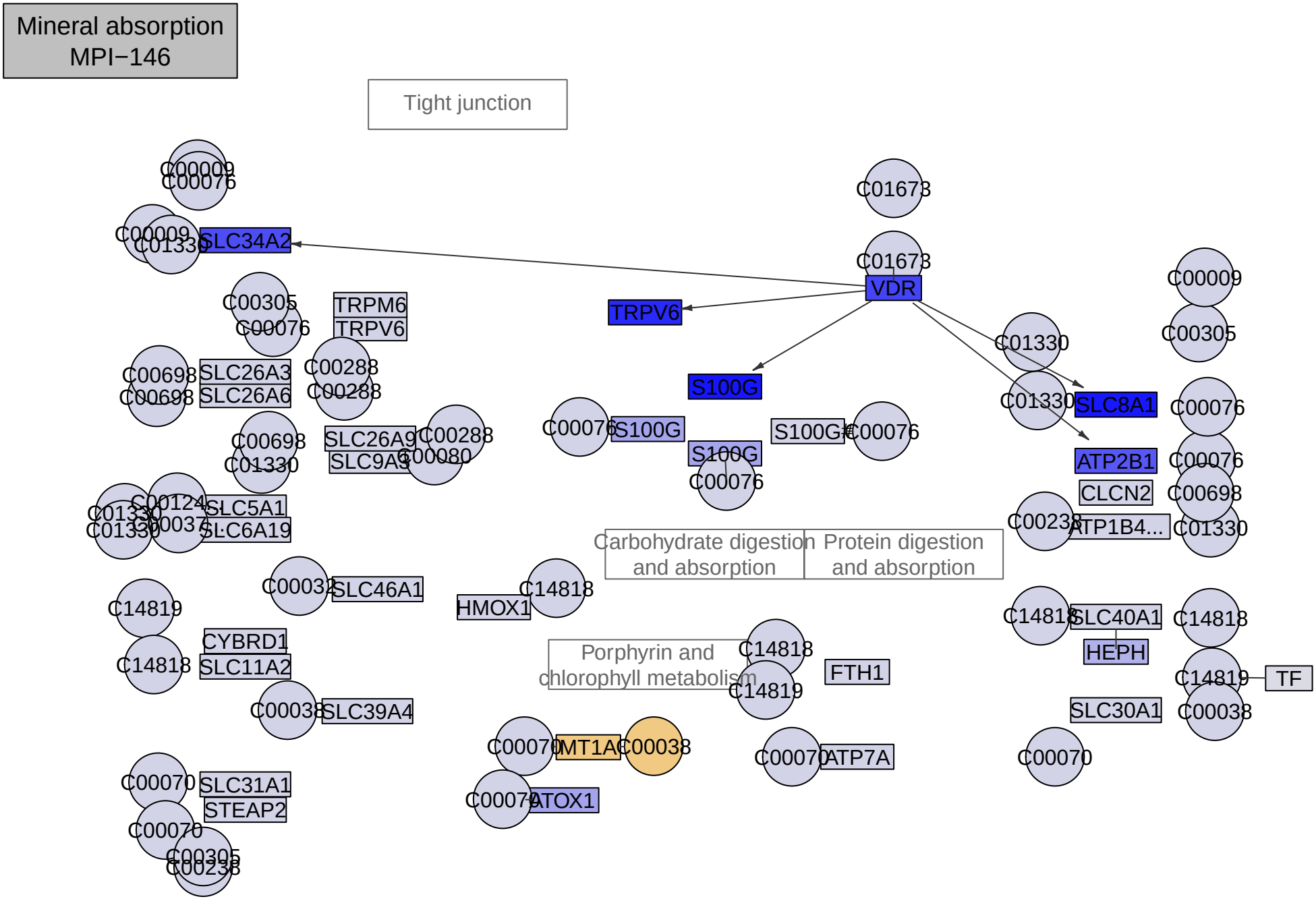
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SLC8A1
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S100G
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S100G
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ATP2B1
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CLCN2
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SLC5A1
SLC6A19
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Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
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HEPH
Porphyrin and chlorophyll metabolism
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TF
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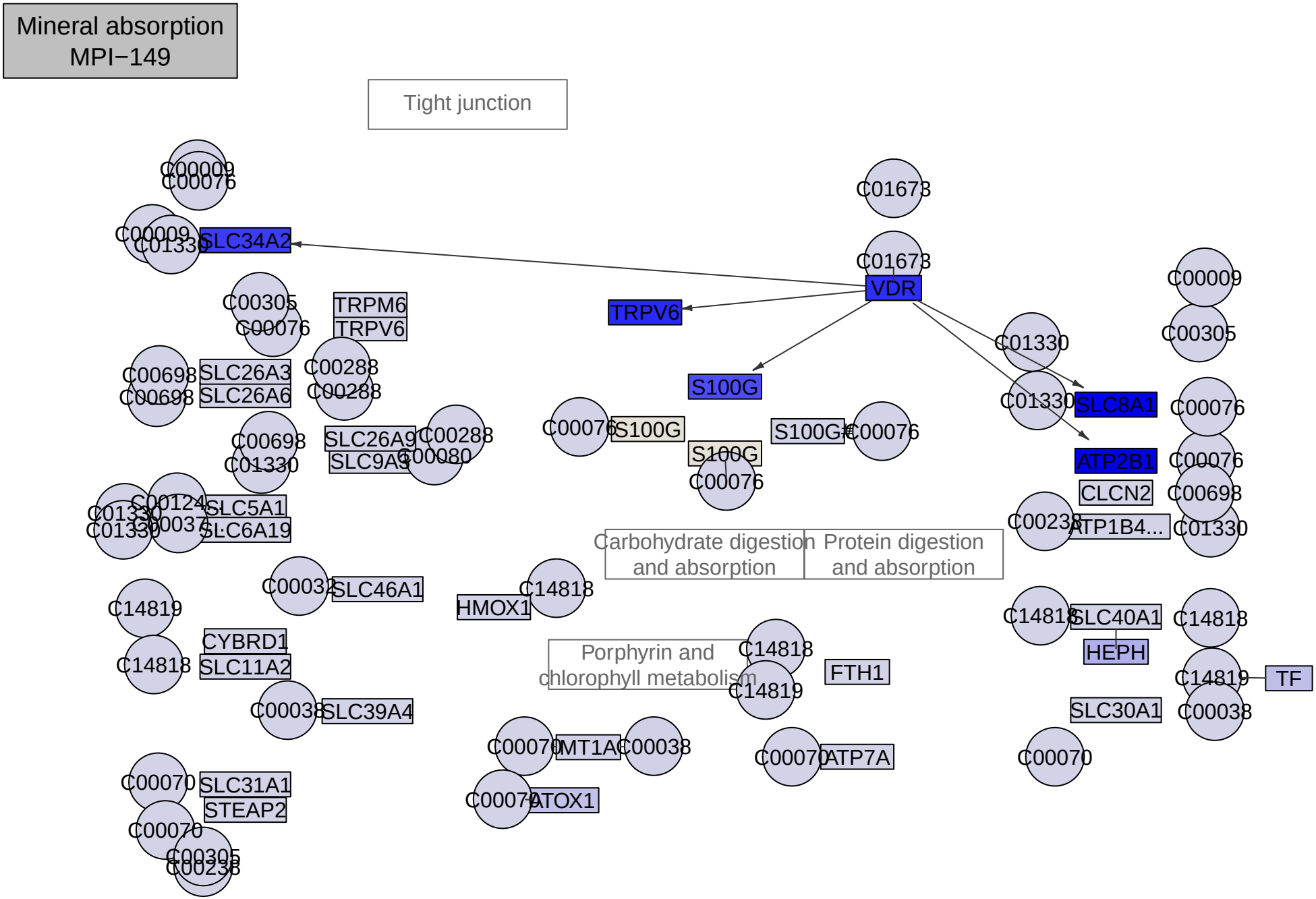
Mineral absorption
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S100G
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ATP2B1
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CLCN2
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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SLC11A2
Porphyrin and chlorophyll metabolism
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FTH1
HEPH
C14819
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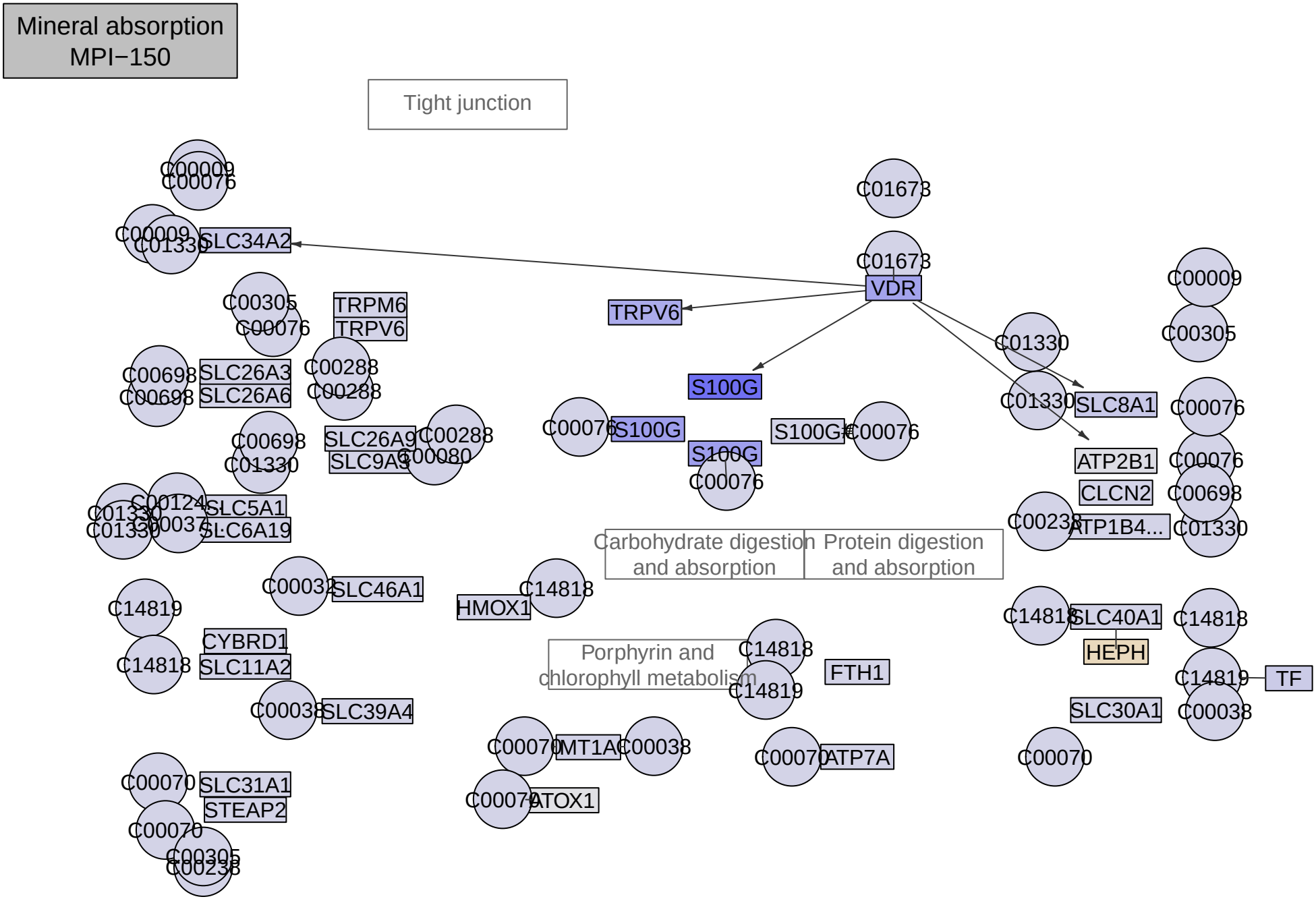
Mineral absorption
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VDR
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TRPV6
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SLC5A1
SLC6A19
CLCN2
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ATP1B4...
C01330
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
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HMOX1
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CYBRD1
SLC11A2
HEPH
Porphyrin and chlorophyll metabolism
C14818
C14819
FTH1
C14819
TF
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SLC39A4
SLC30A1
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C00070
MT1A
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STEAP2
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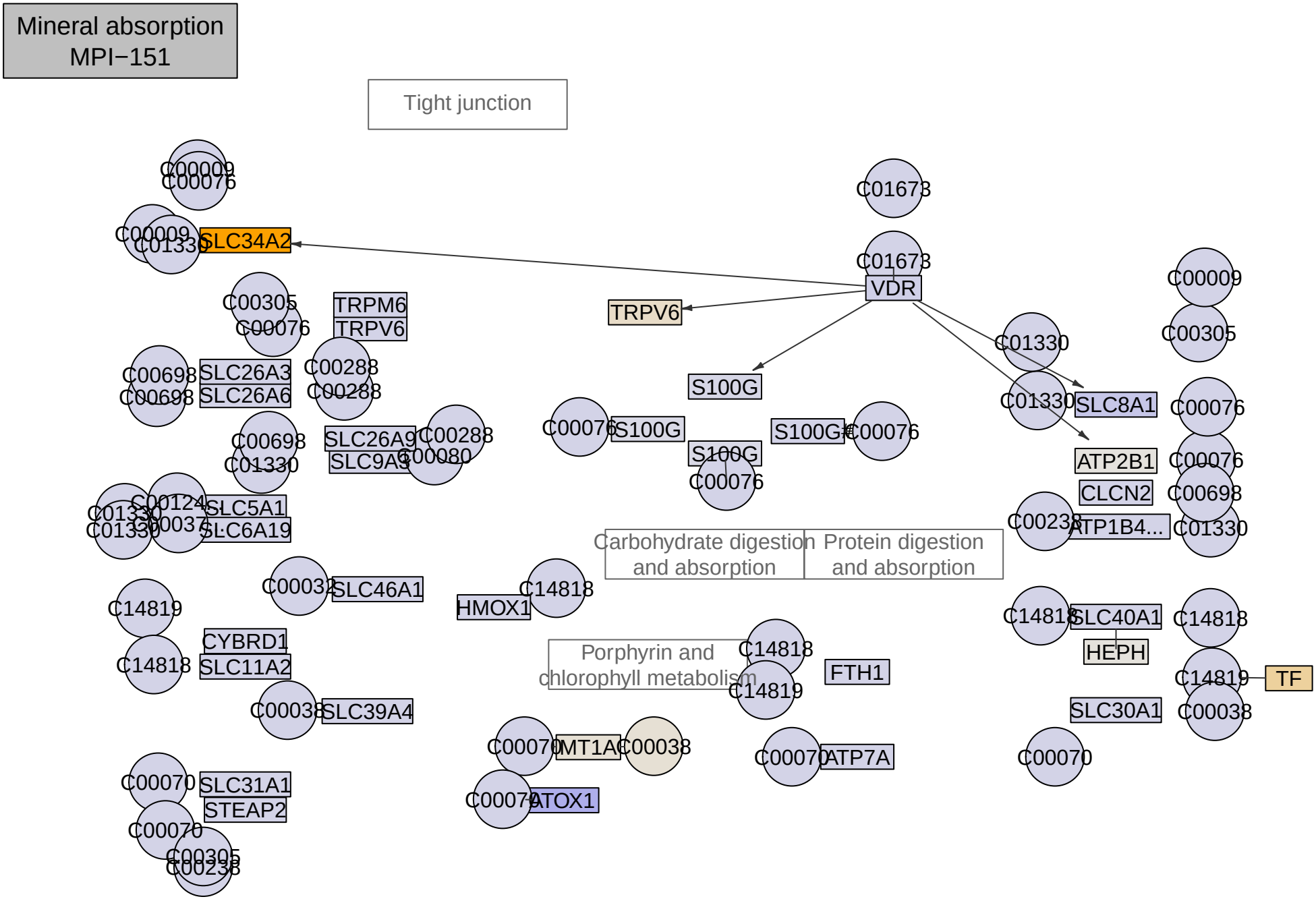
Mineral absorption
MPI−151
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CLCN2
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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Porphyrin and chlorophyll metabolism
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FTH1
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SLC40A1
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SLC31A1
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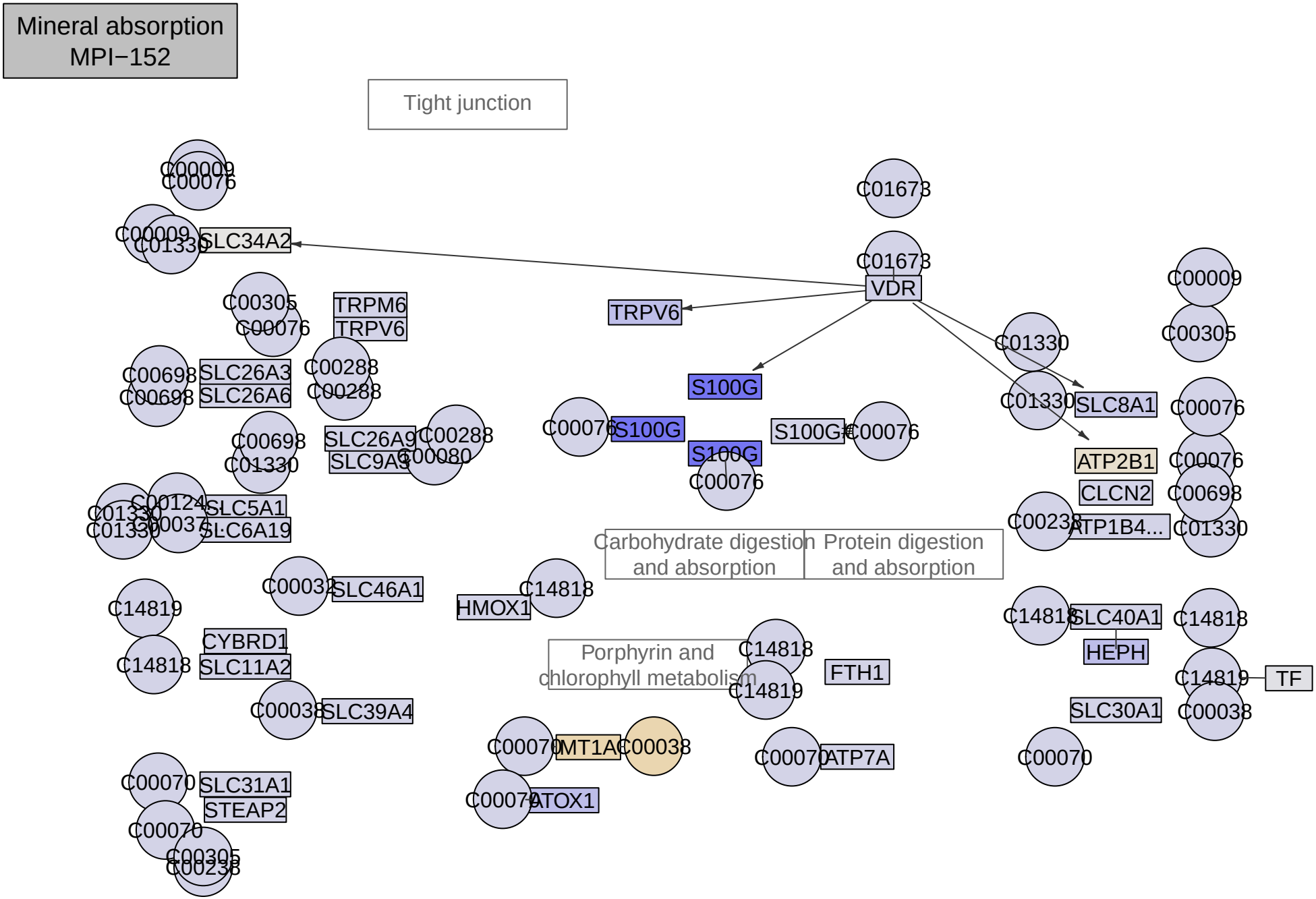
Mineral absorption
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TRPV6
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SLC8A1
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SLC9A3
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ATP2B1
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SLC6A19
CLCN2
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14818
HMOX1
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CYBRD1
C14818
SLC11A2
Porphyrin and chlorophyll metabolism
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C14819
FTH1
HEPH
C14819
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SLC30A1
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MT1A
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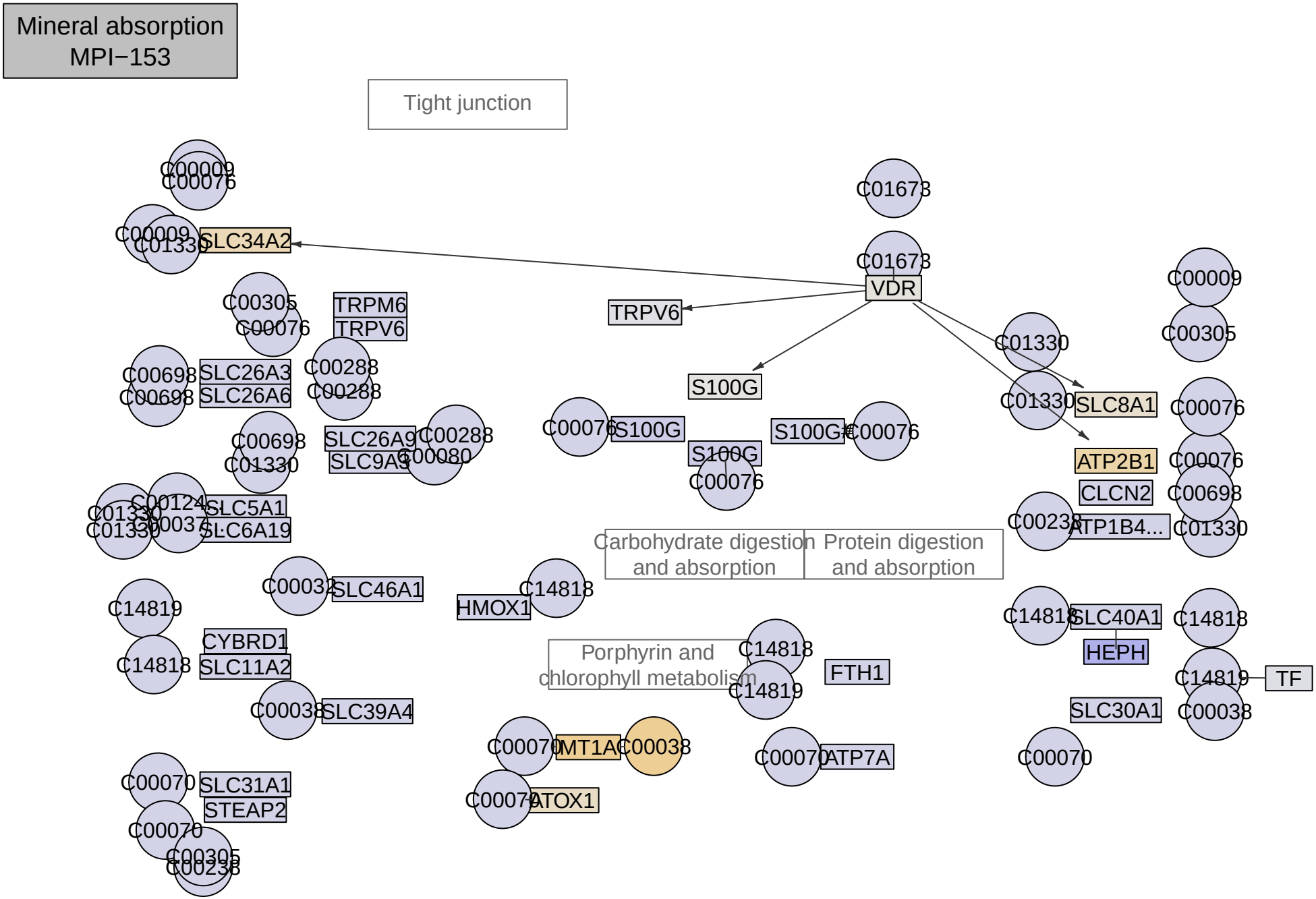
Mineral absorption
MPI−153
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C00076
ATP2B1
C00076
CLCN2
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C00238
ATP1B4...
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TRPV6
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SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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C14819
CYBRD1
C14818
SLC11A2
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SLC39A4
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C14818
Porphyrin and chlorophyll metabolism
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C14819
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SLC40A1
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HEPH
C14819
TF
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SLC31A1
STEAP2
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MT1A
C00038
C00070
ATOX1
C00070
ATP7A
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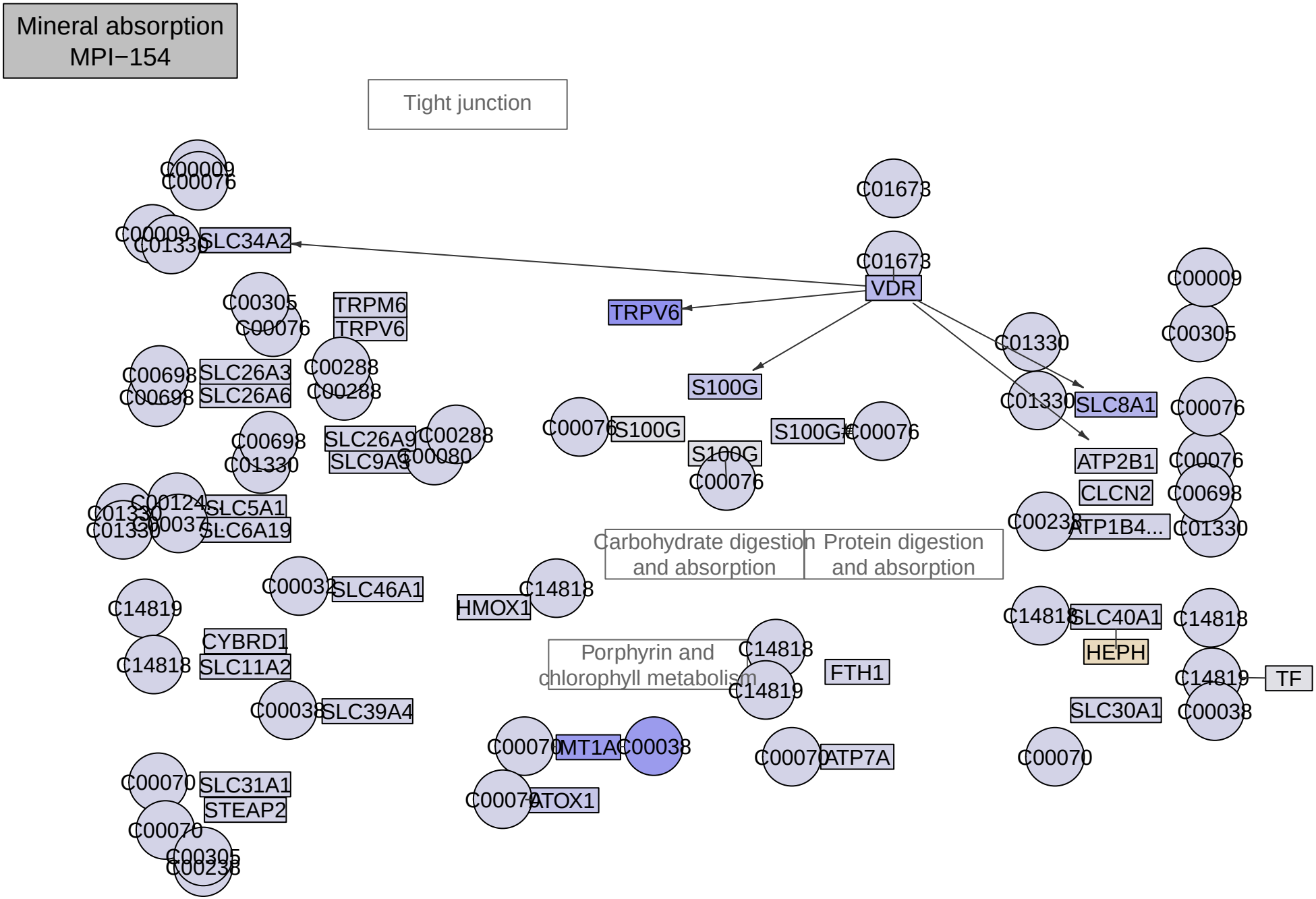
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TRPV6
TRPV6
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CLCN2
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Carbohydrate digestion and absorption
Protein digestion and absorption
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C14818
HMOX1
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SLC40A1
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CYBRD1
SLC11A2
C14818
HEPH
Porphyrin and chlorophyll metabolism
C14818
FTH1
C14819
C14819
TF
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SLC39A4
SLC30A1
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ATOX1
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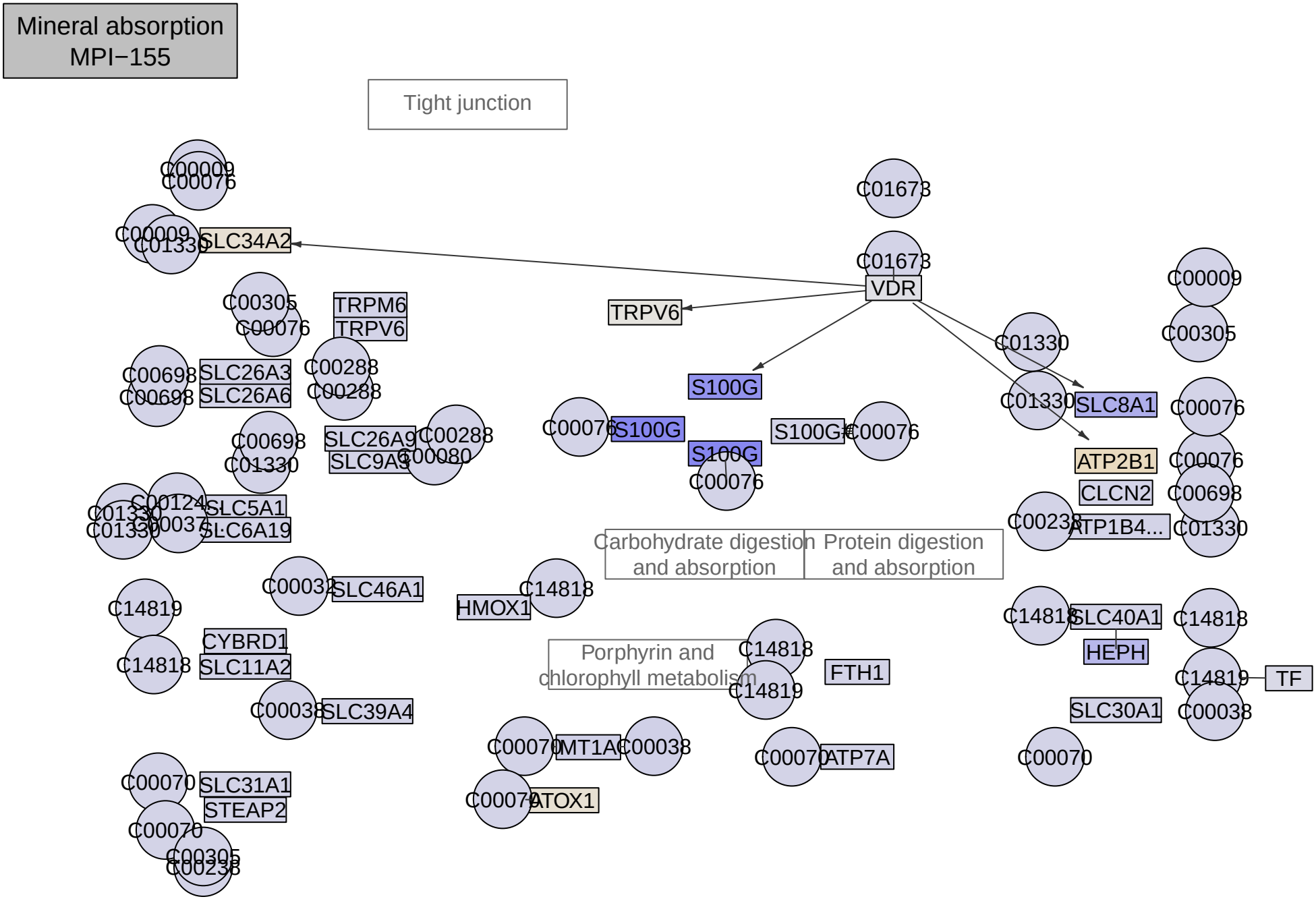
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SLC26A6
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SLC26A9
SLC9A3
C00288
C00080
C00124
C01330
C01330
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C00038
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C14819
CYBRD1
C14818
SLC11A2
C00038
SLC39A4
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SLC31A1
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C01673
VDR
TRPV6
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Carbohydrate digestion and absorption
Protein digestion and absorption
C14818
HMOX1
Porphyrin and chlorophyll metabolism
C14818
FTH1
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MT1A
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ATOX1
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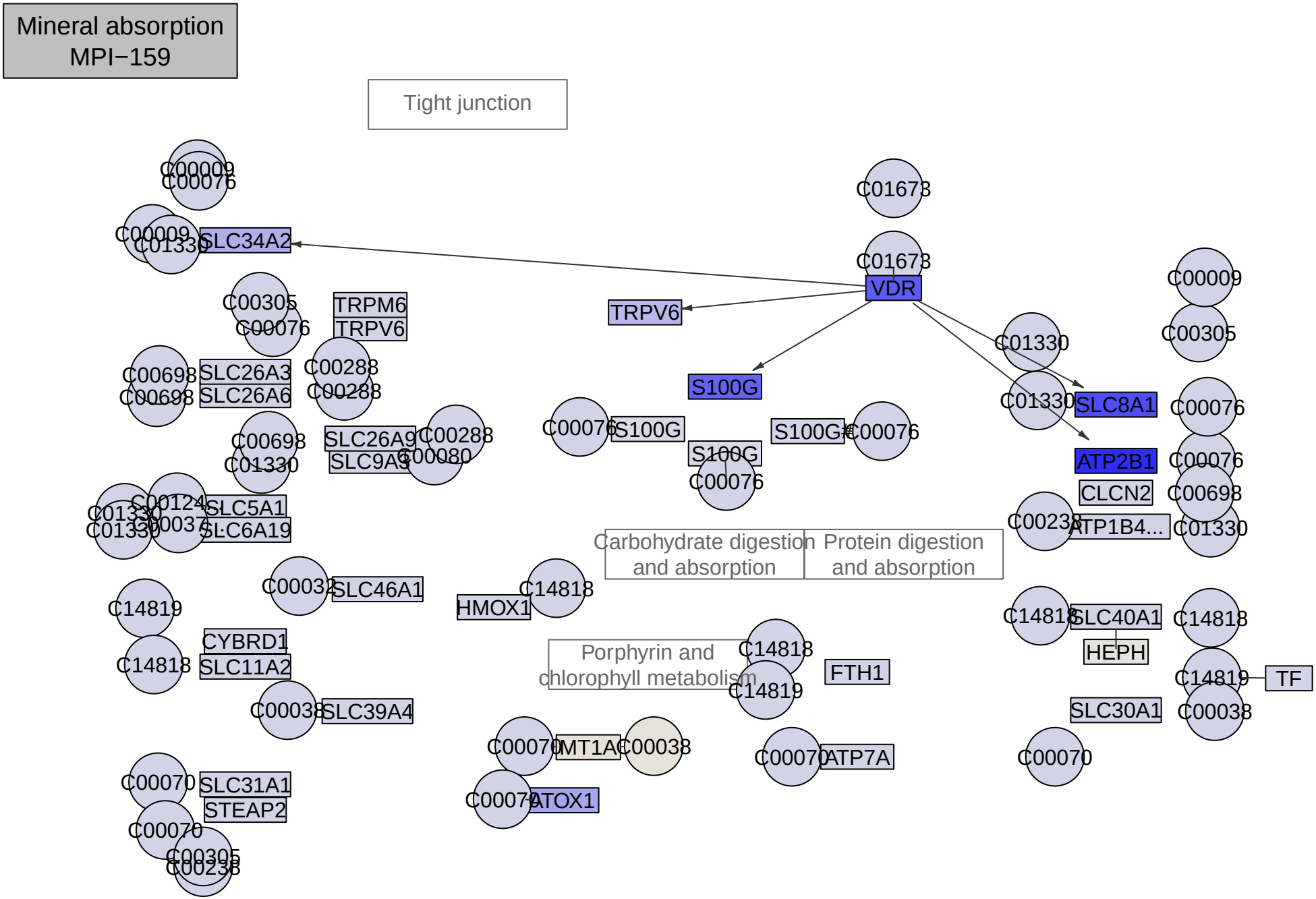
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TRPV6
TRPV6
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SLC26A6
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C01330
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C00698
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SLC26A9
SLC9A3
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S100G
S100G
C00076
S100G
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Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
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HMOX1
C14818
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SLC40A1
C14818
CYBRD1
SLC11A2
HEPH
C14818
C14818
Porphyrin and chlorophyll metabolism
C14819
FTH1
C14819
TF
C00038
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SLC30A1
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MT1A
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ATOX1
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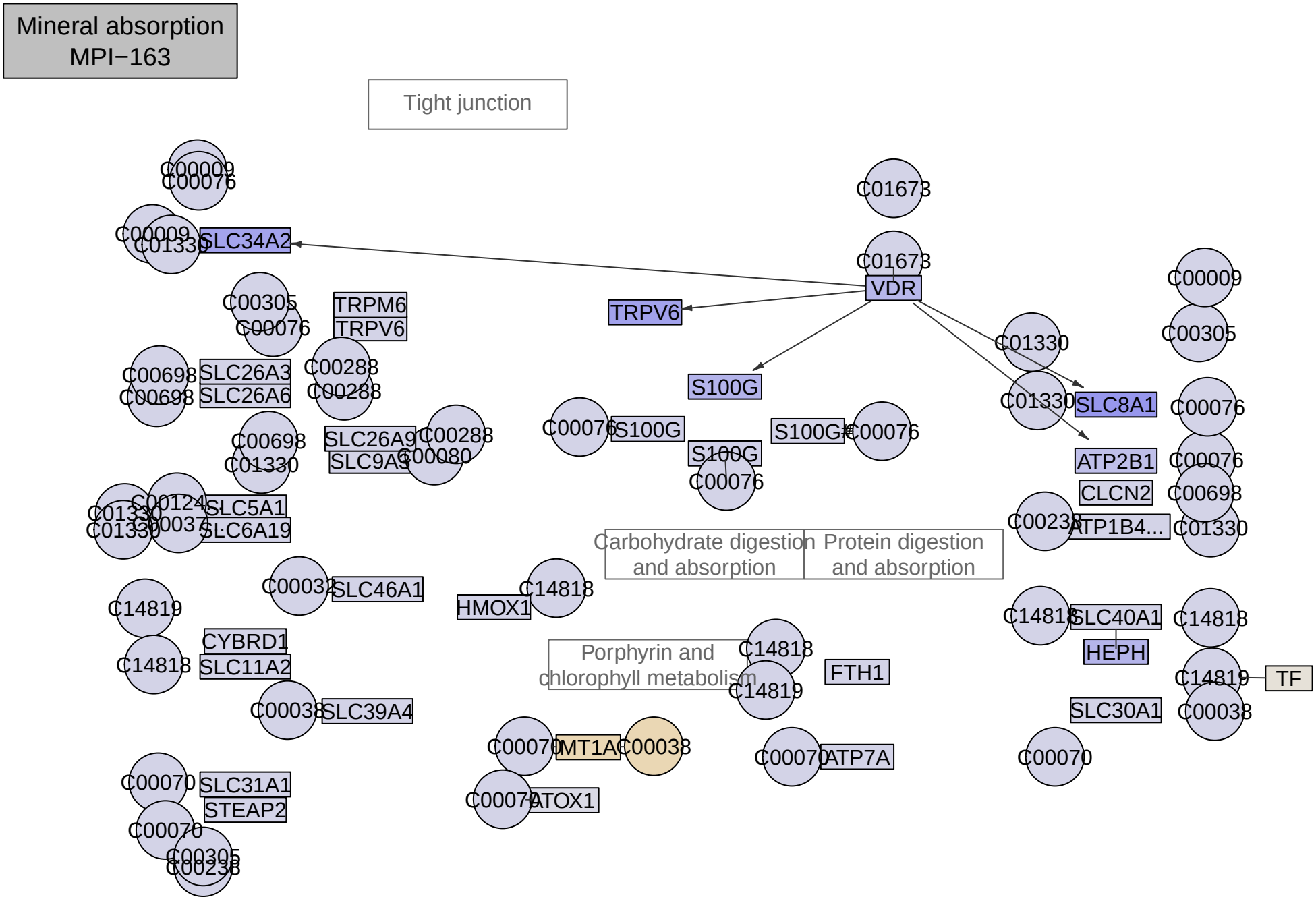
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C01330
SLC8A1
C00076
ATP2B1
C00076
CLCN2
C00698
C00238
ATP1B4...
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TRPM6
TRPV6
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SLC26A3
SLC26A6
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C00288
C00080
C00124
C01330
C01330
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SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
C00038
SLC39A4
C14818
HMOX1
Porphyrin and chlorophyll metabolism
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C14819
FTH1
C14818
SLC40A1
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TF
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SLC31A1
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ATP7A
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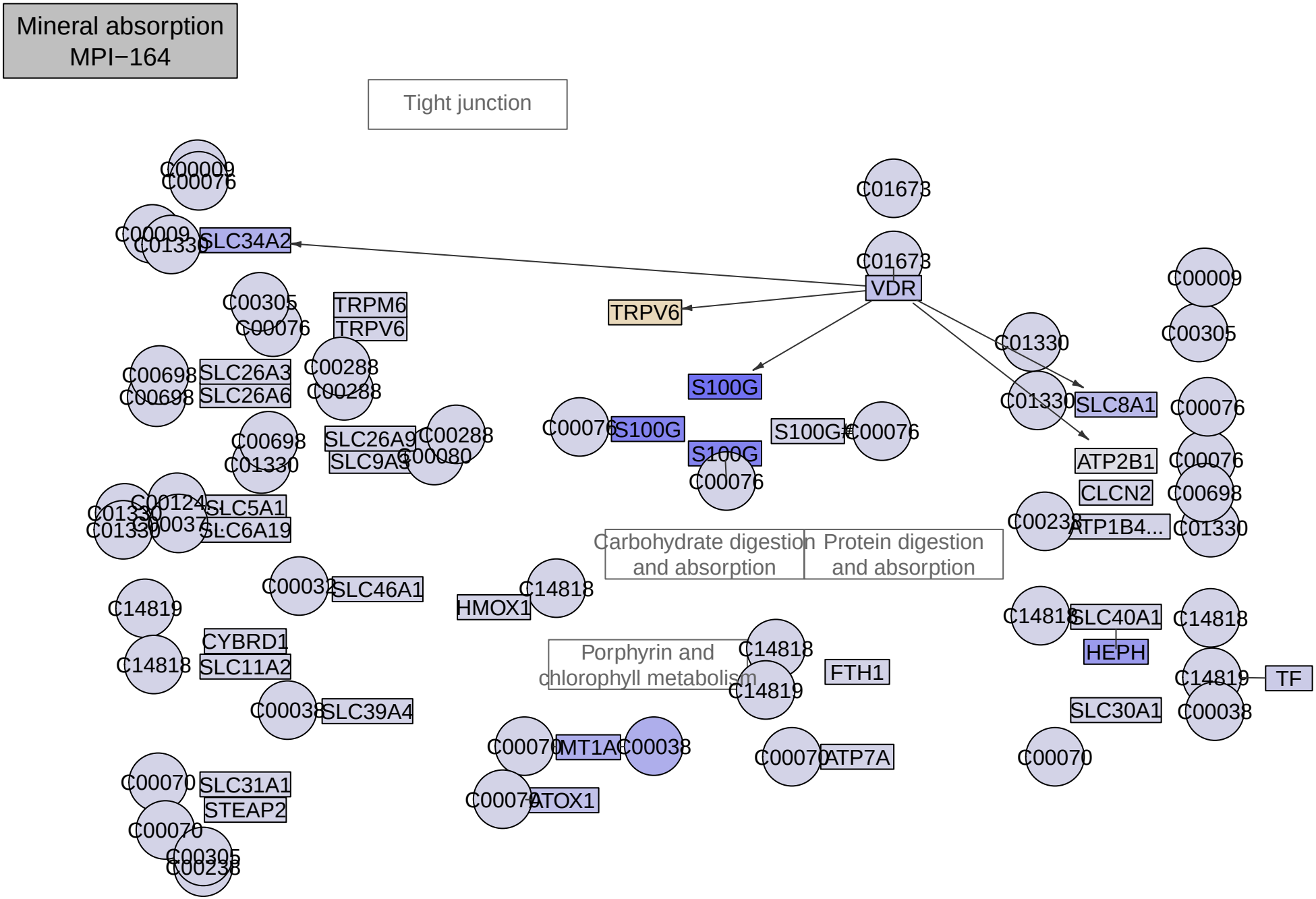
Mineral absorption
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VDR
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SLC8A1
C00076
ATP2B1
C00076
CLCN2
C00698
C00238
ATP1B4...
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TRPV6
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SLC26A3
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SLC26A6
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C01330
C01330
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SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
C00038
SLC39A4
C14818
HMOX1
Porphyrin and chlorophyll metabolism
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C14819
FTH1
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SLC40A1
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HEPH
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TF
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SLC31A1
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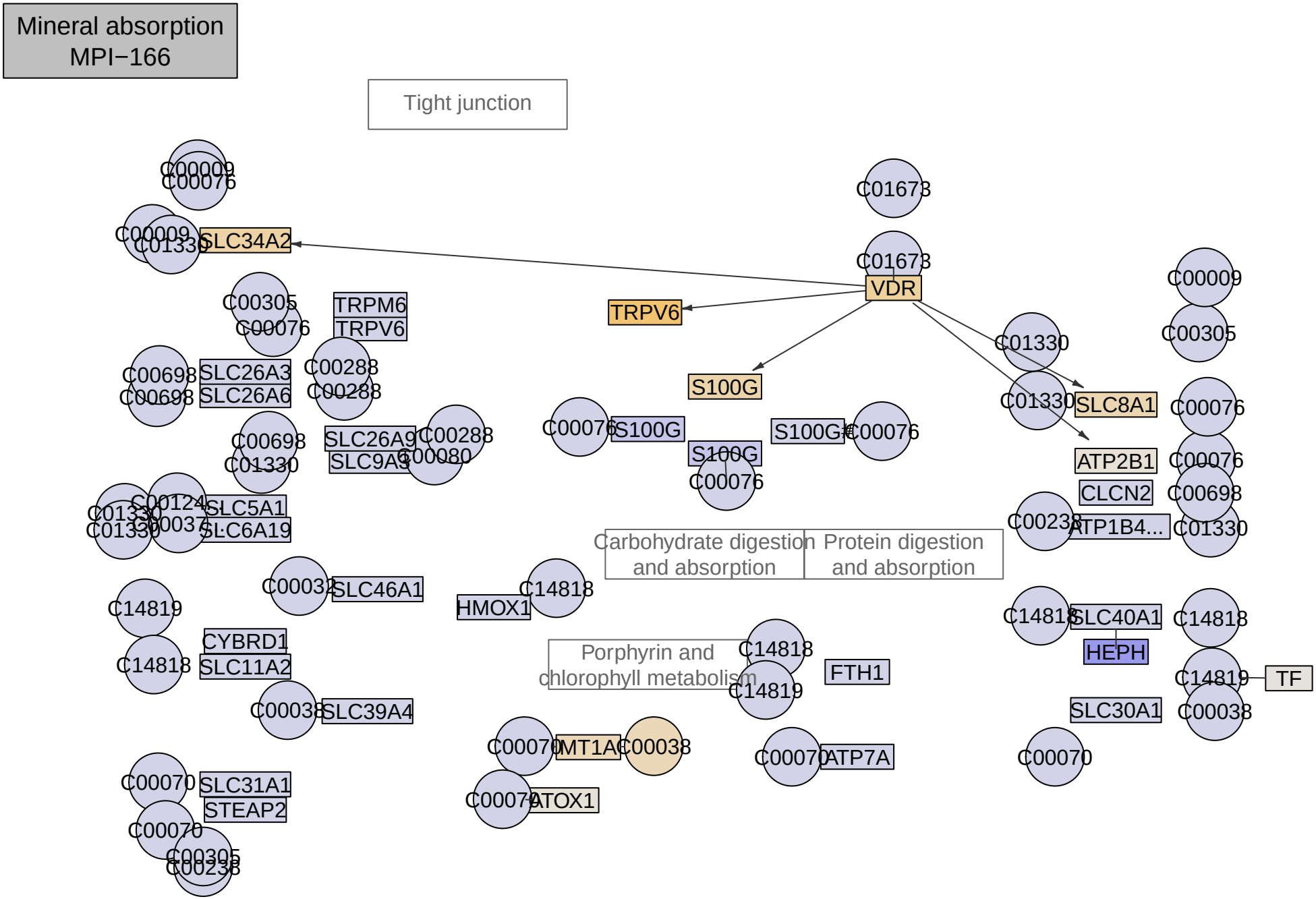
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ATP2B1
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CLCN2
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ATP1B4...
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TRPV6
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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C14819
FTH1
Porphyrin and chlorophyll metabolism
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MT1A
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ATOX1
C00070
ATP7A
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SLC40A1
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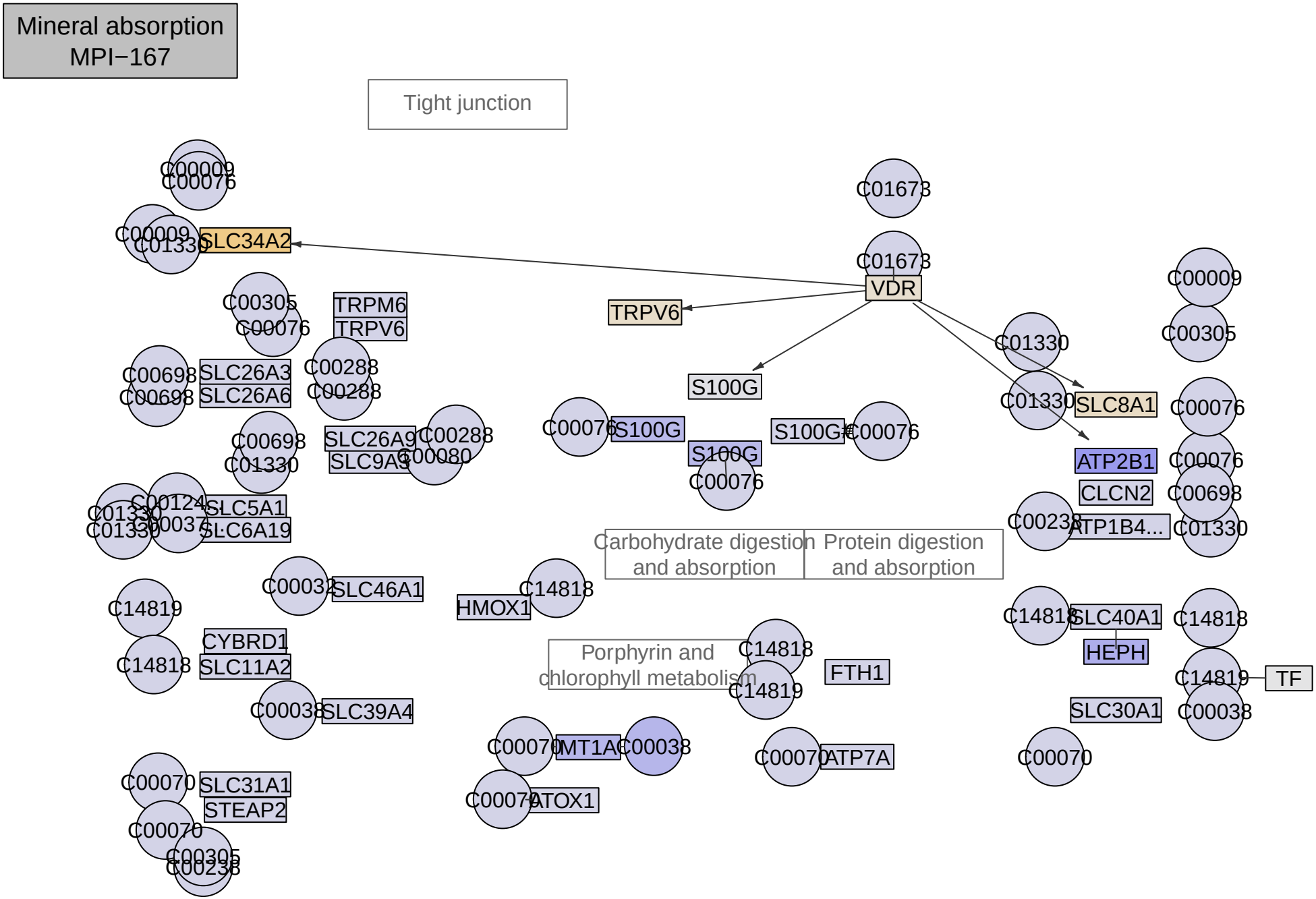
Mineral absorption
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TRPV6
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SLC26A3
SLC26A6
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SLC8A1
C00698
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S100G
S100G
S100G
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C00076
ATP2B1
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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CYBRD1
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Porphyrin and chlorophyll metabolism
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HEPH
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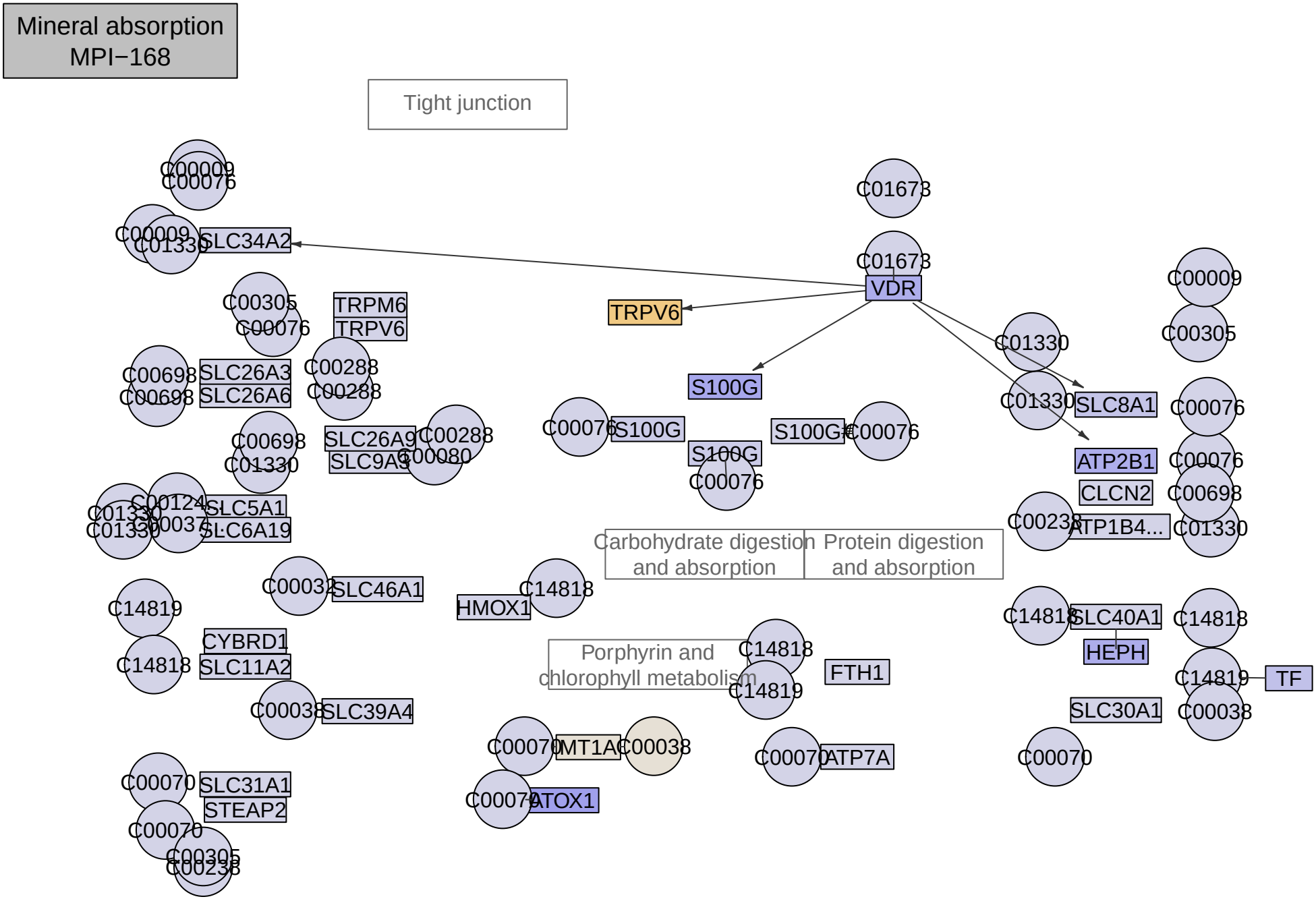
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TRPV6
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SLC6A19
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CYBRD1
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VDR
TRPV6
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Carbohydrate digestion and absorption
Protein digestion and absorption
HMOX1
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Porphyrin and chlorophyll metabolism
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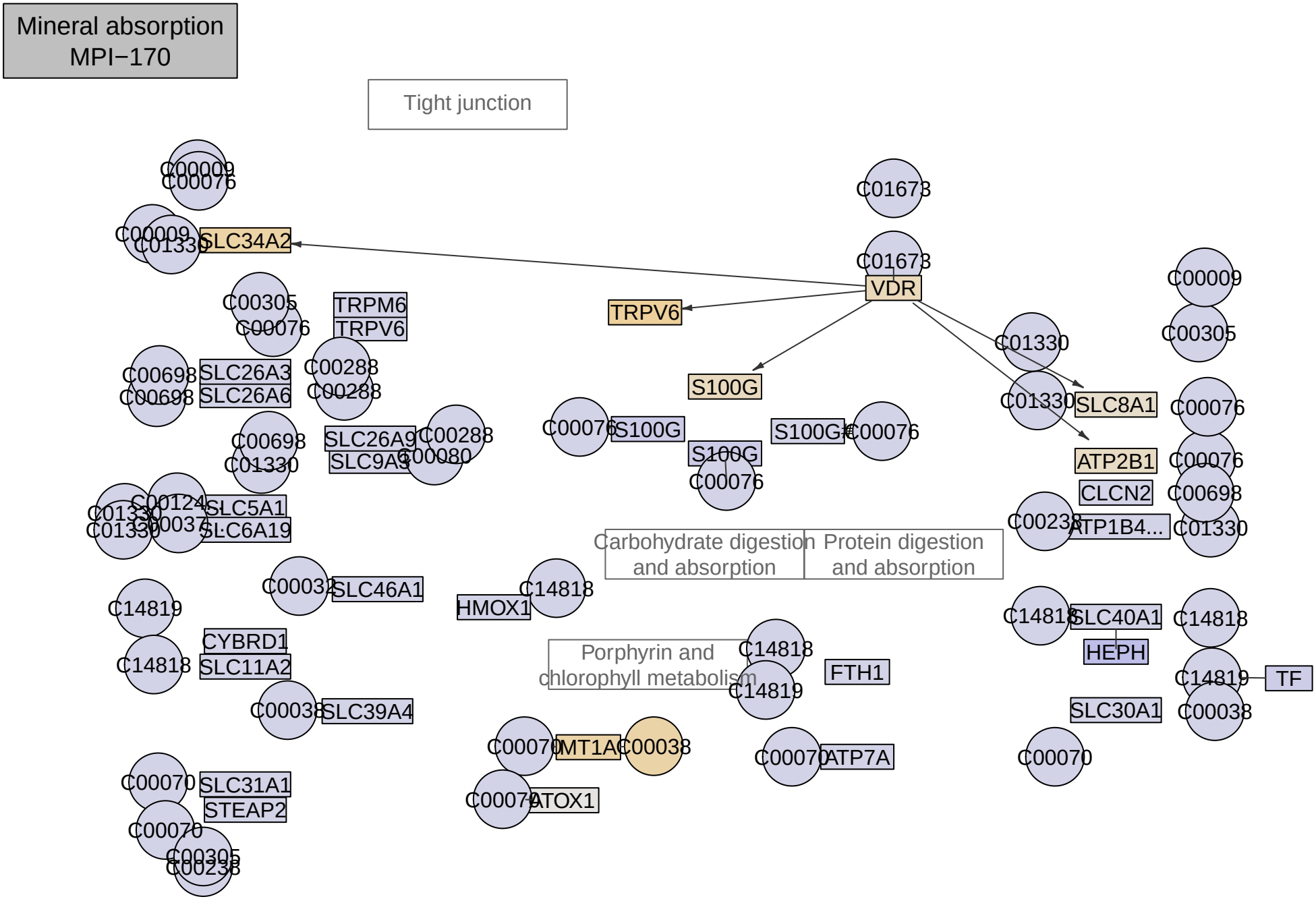
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CLCN2
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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CYBRD1
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SLC11A2
Porphyrin and chlorophyll metabolism
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FTH1
HEPH
C14819
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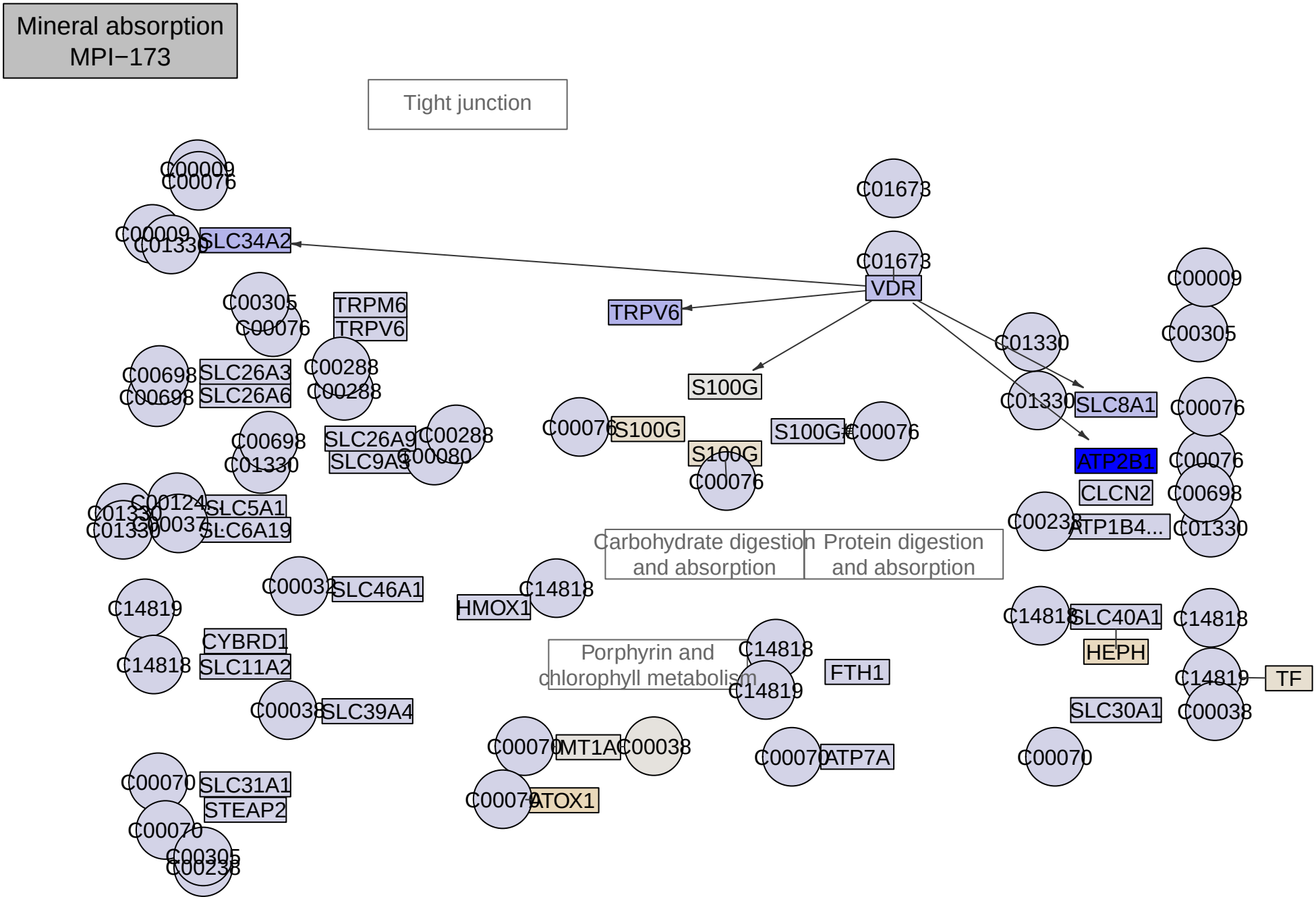
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CLCN2
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ATP1B4...
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TRPV6
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SLC6A19
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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HMOX1
Porphyrin and chlorophyll metabolism
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FTH1
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SLC31A1
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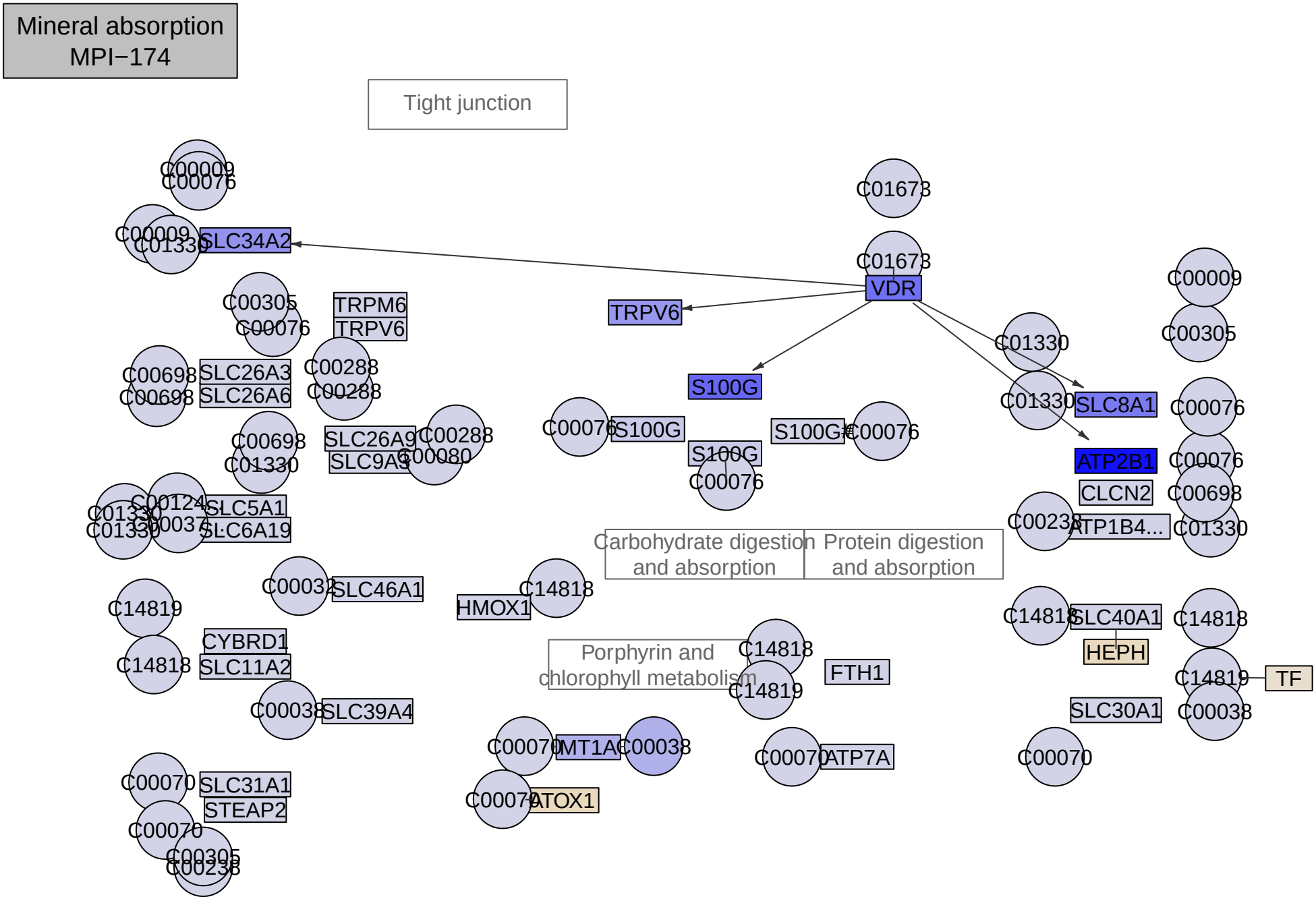
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TRPV6
TRPV6
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CLCN2
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SLC6A19
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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HEPH
Porphyrin and chlorophyll metabolism
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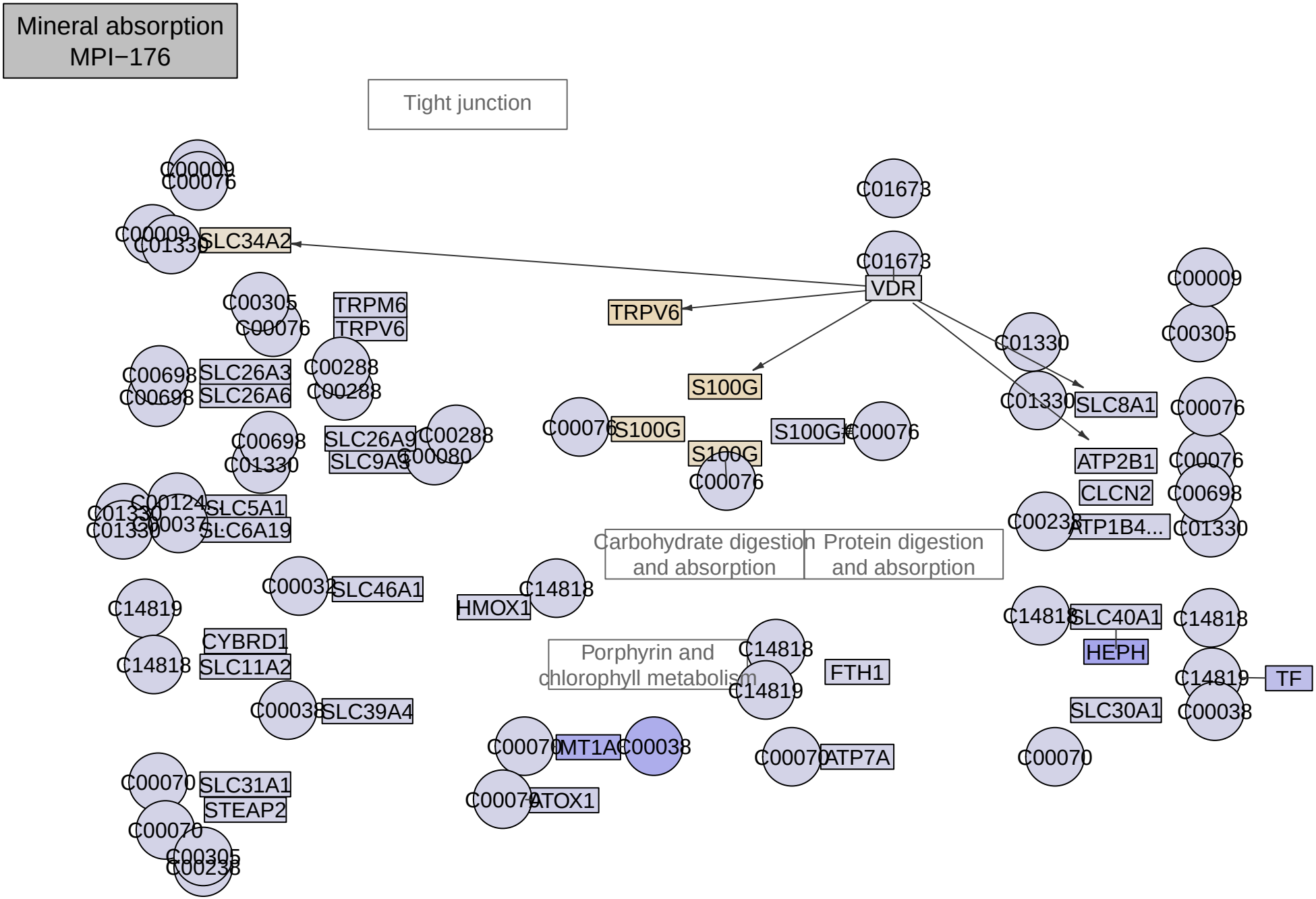
Mineral absorption
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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MT1A
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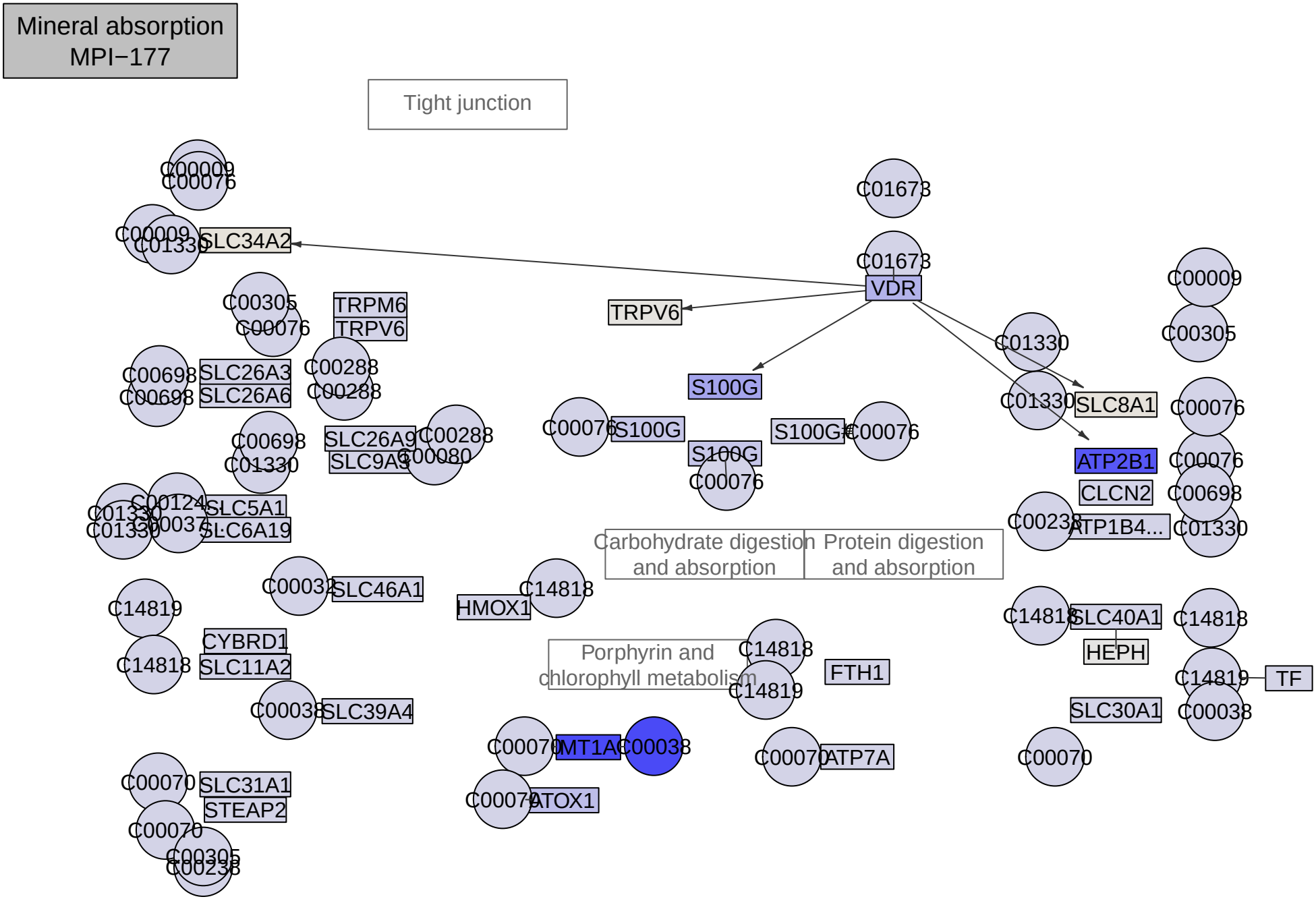
Mineral absorption
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TRPV6
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SLC6A19
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
C14818
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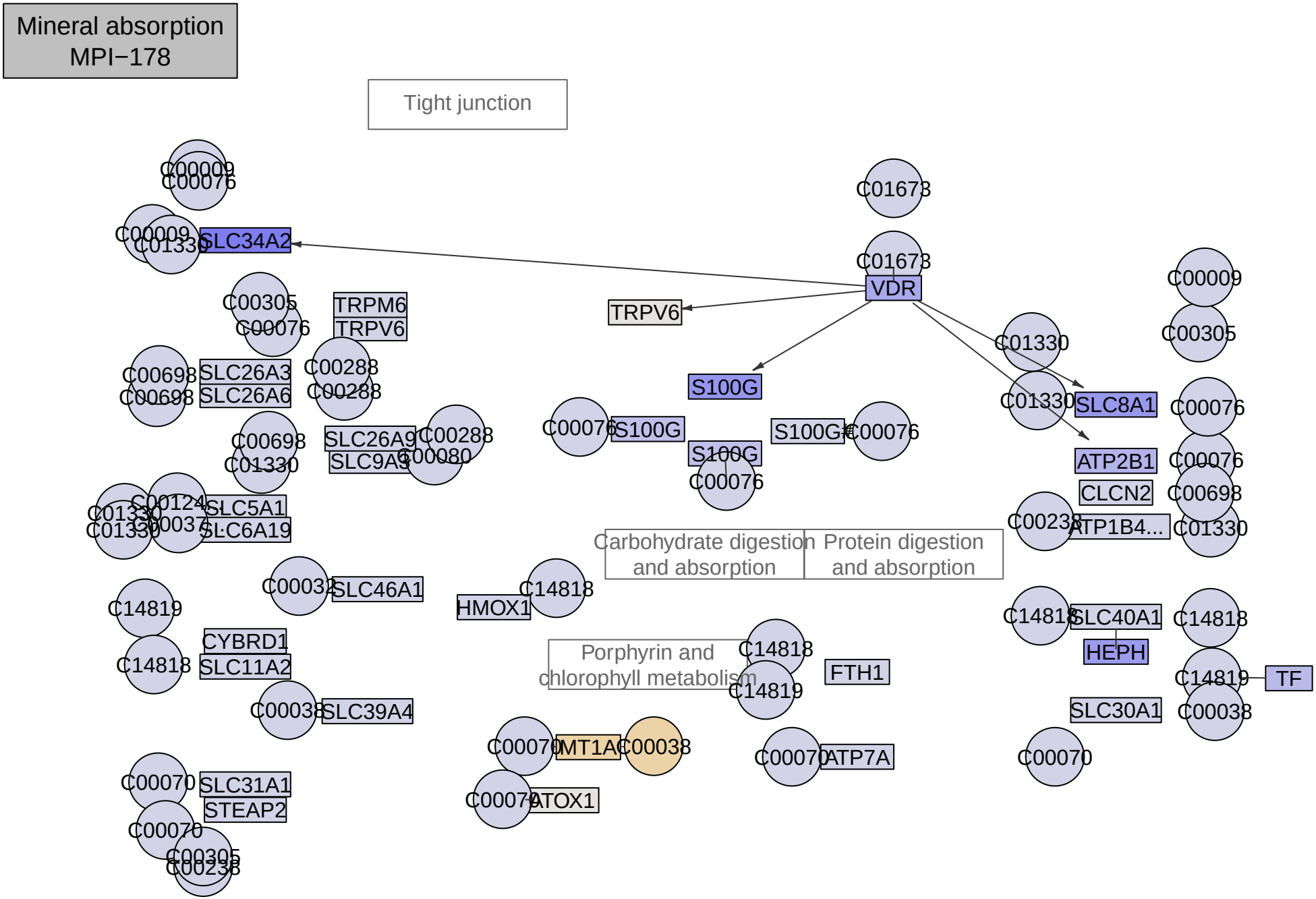
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
C14818
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SLC39A4
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HMOX1
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C14819
FTH1
Porphyrin and chlorophyll metabolism
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HEPH
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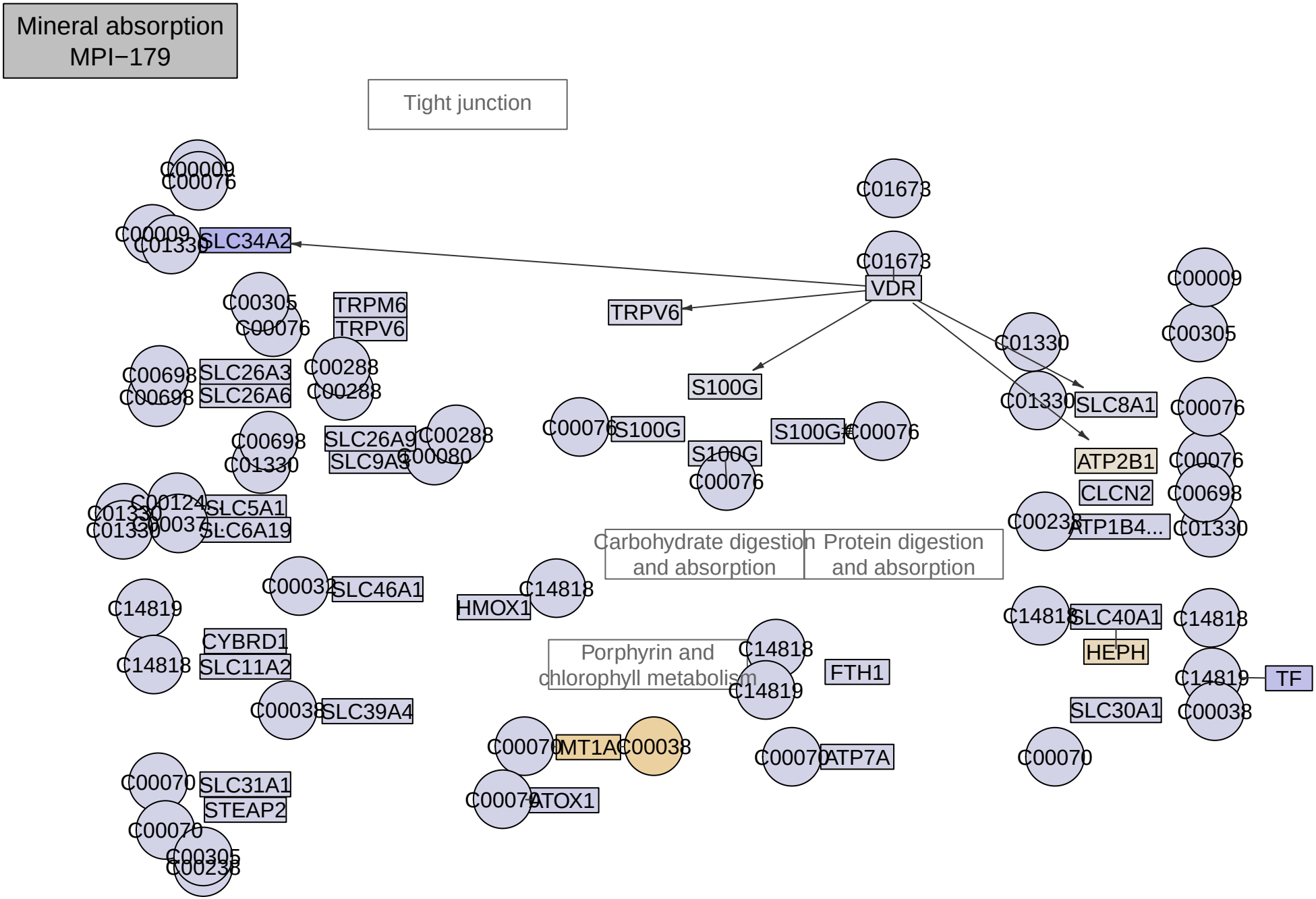
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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FTH1
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SLC40A1
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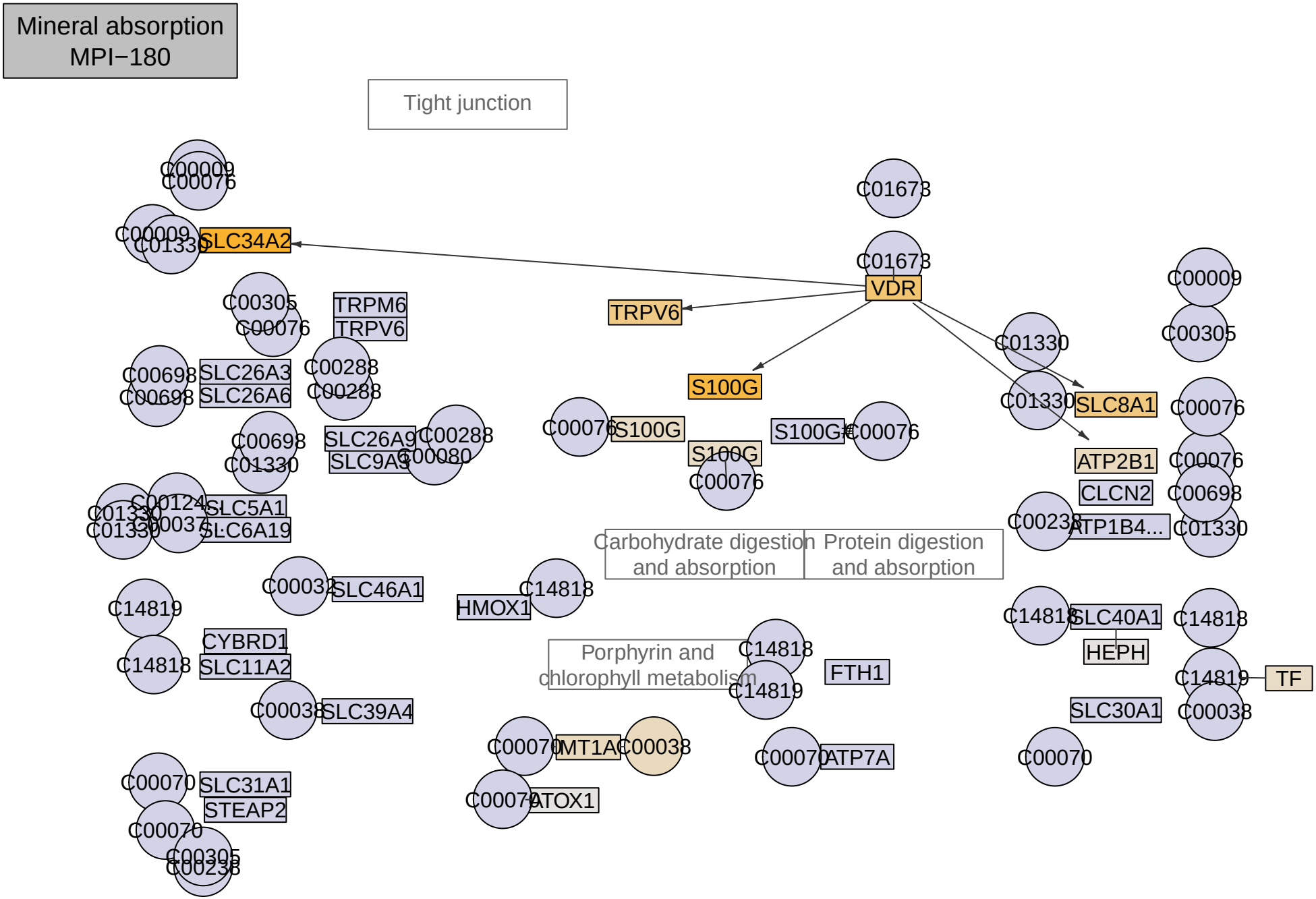
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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SLC11A2
Porphyrin and chlorophyll metabolism
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FTH1
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TF
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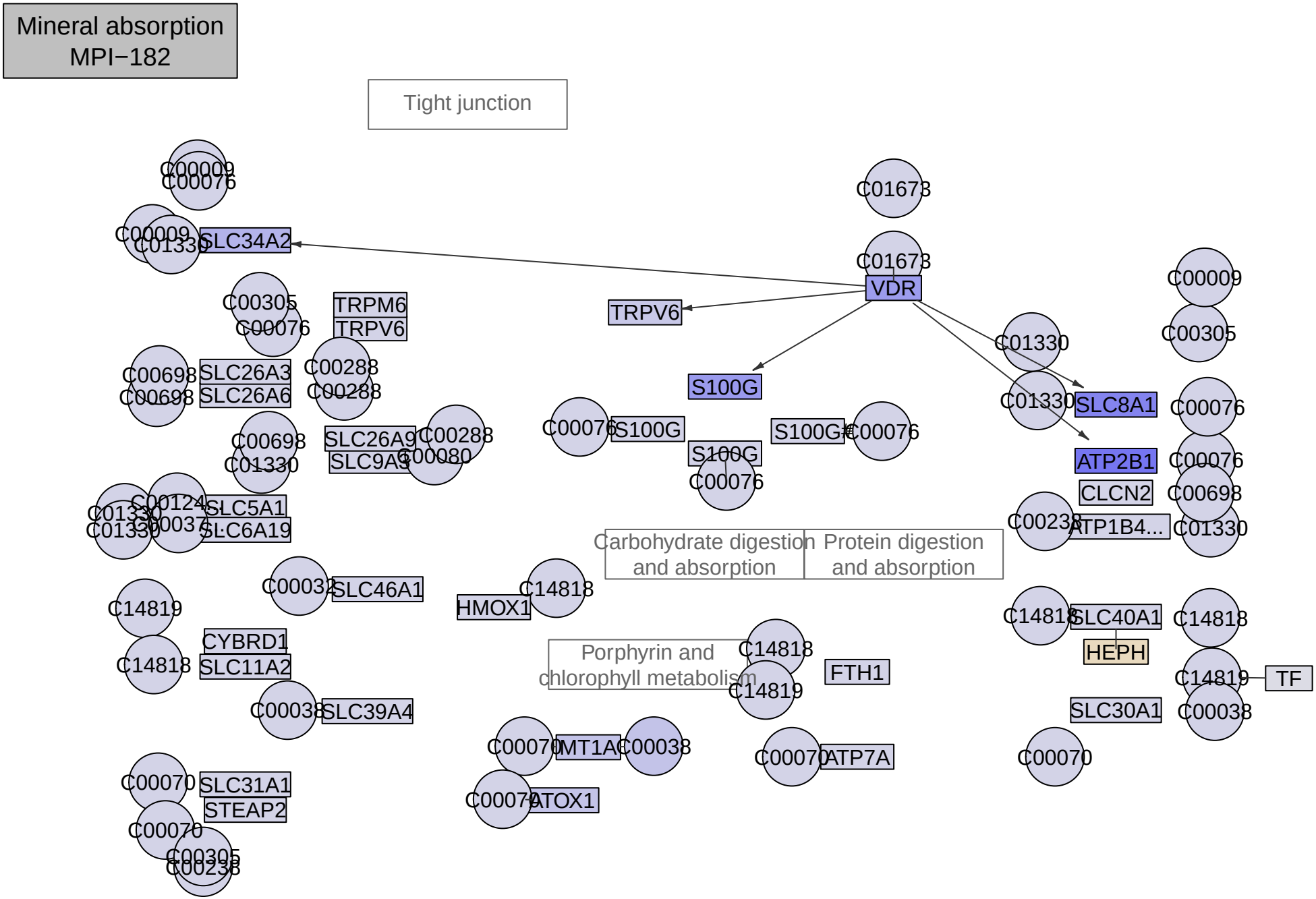
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S100G
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ATP2B1
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CLCN2
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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Porphyrin and chlorophyll metabolism
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HEPH
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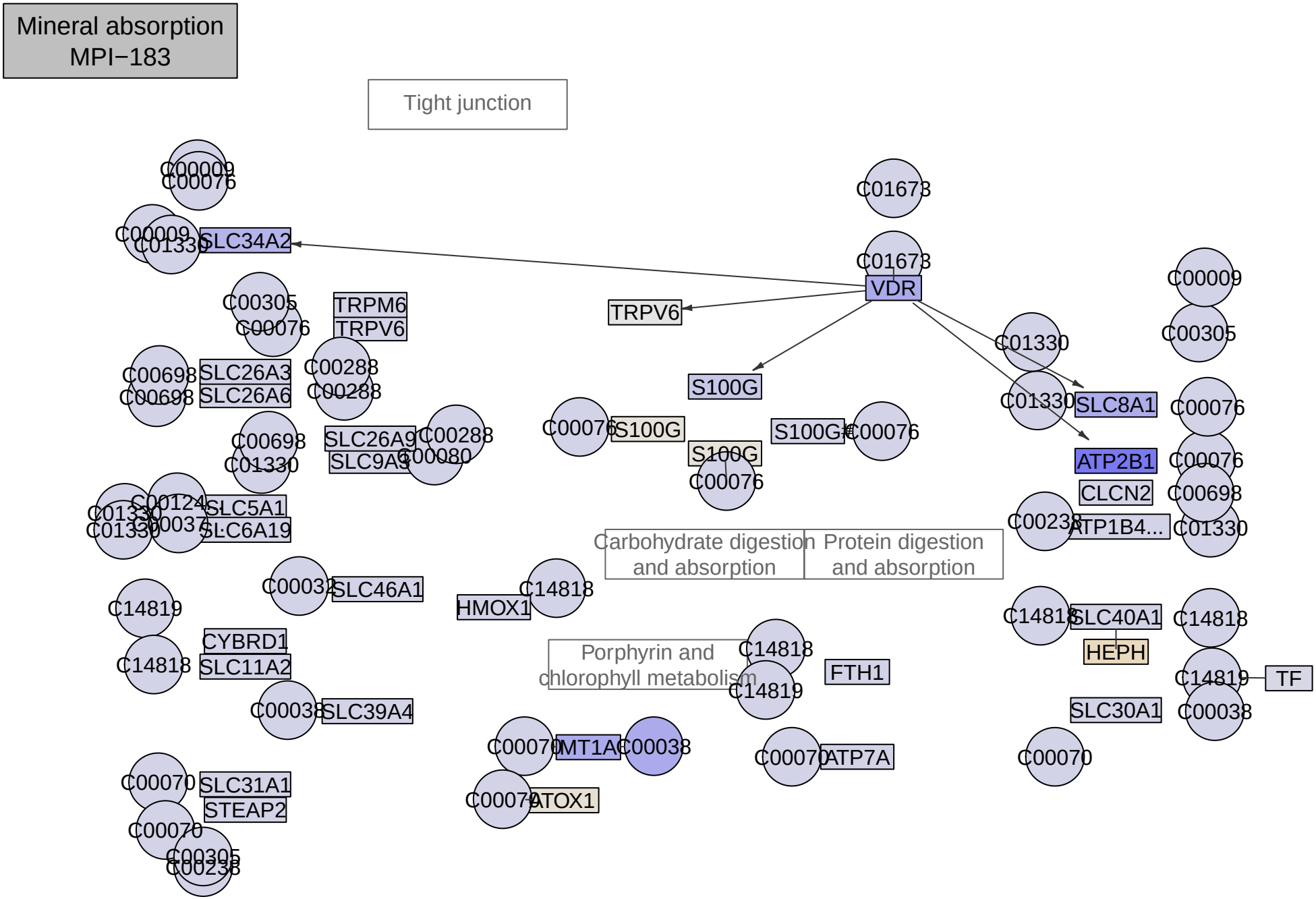
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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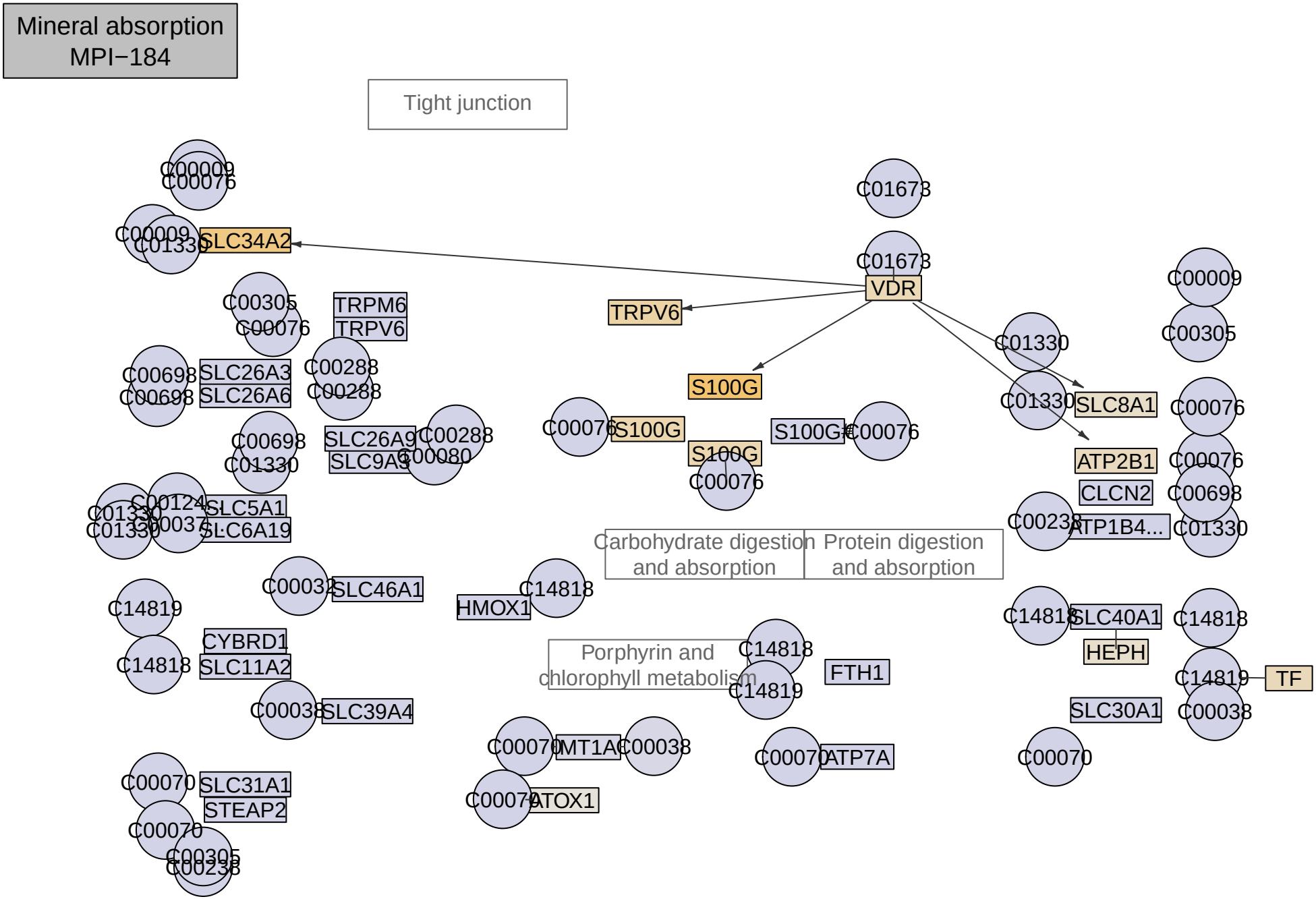
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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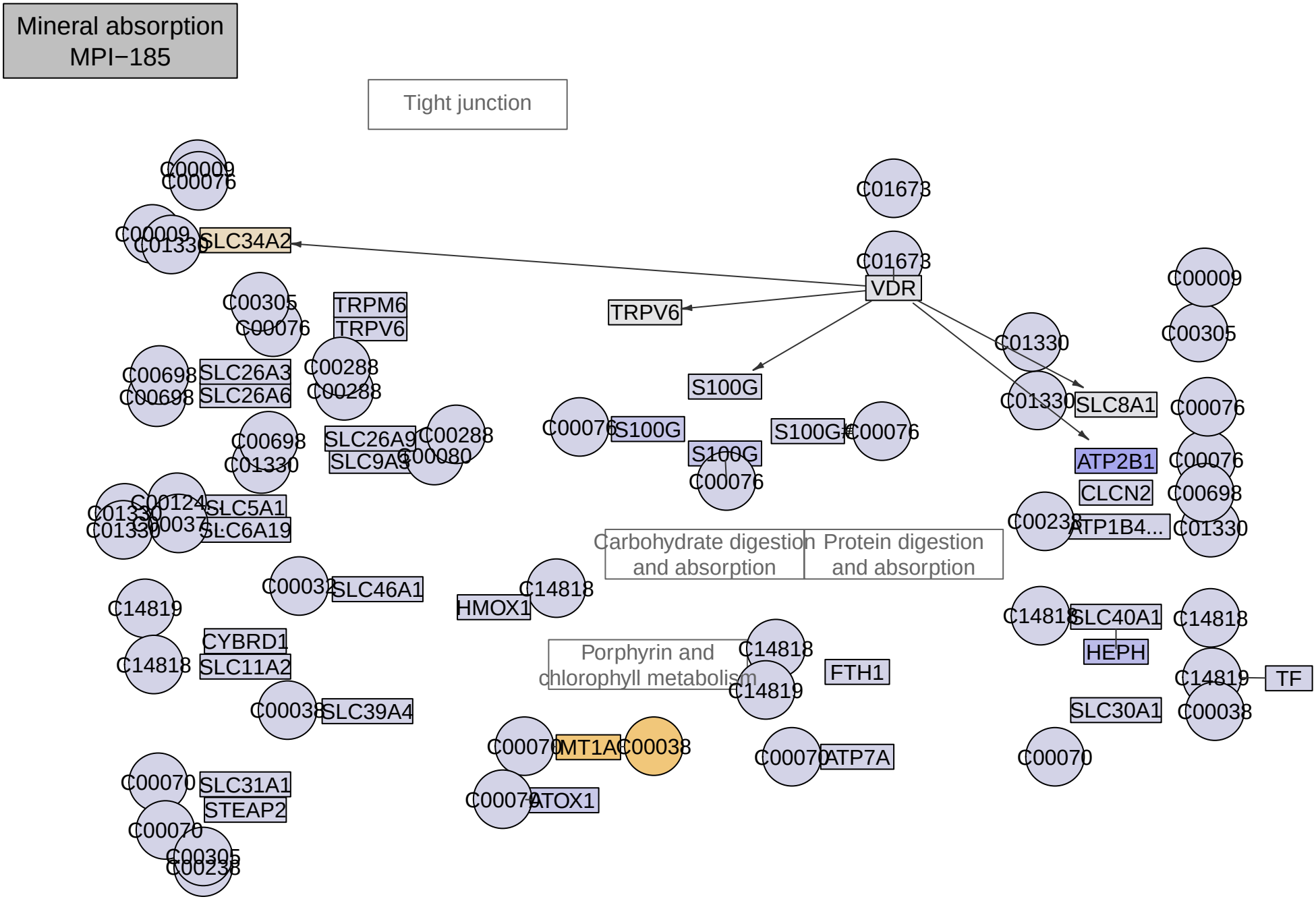
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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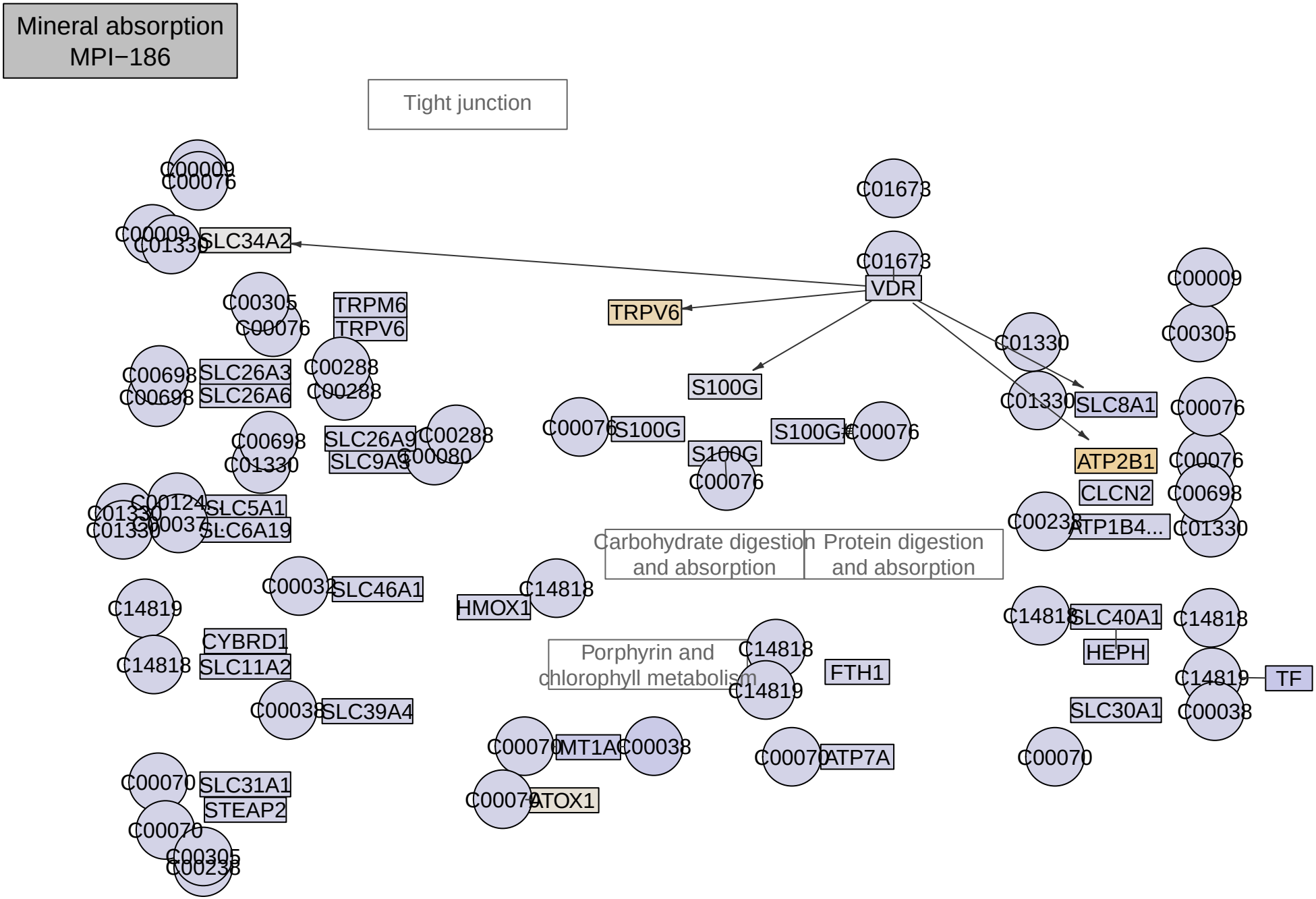
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Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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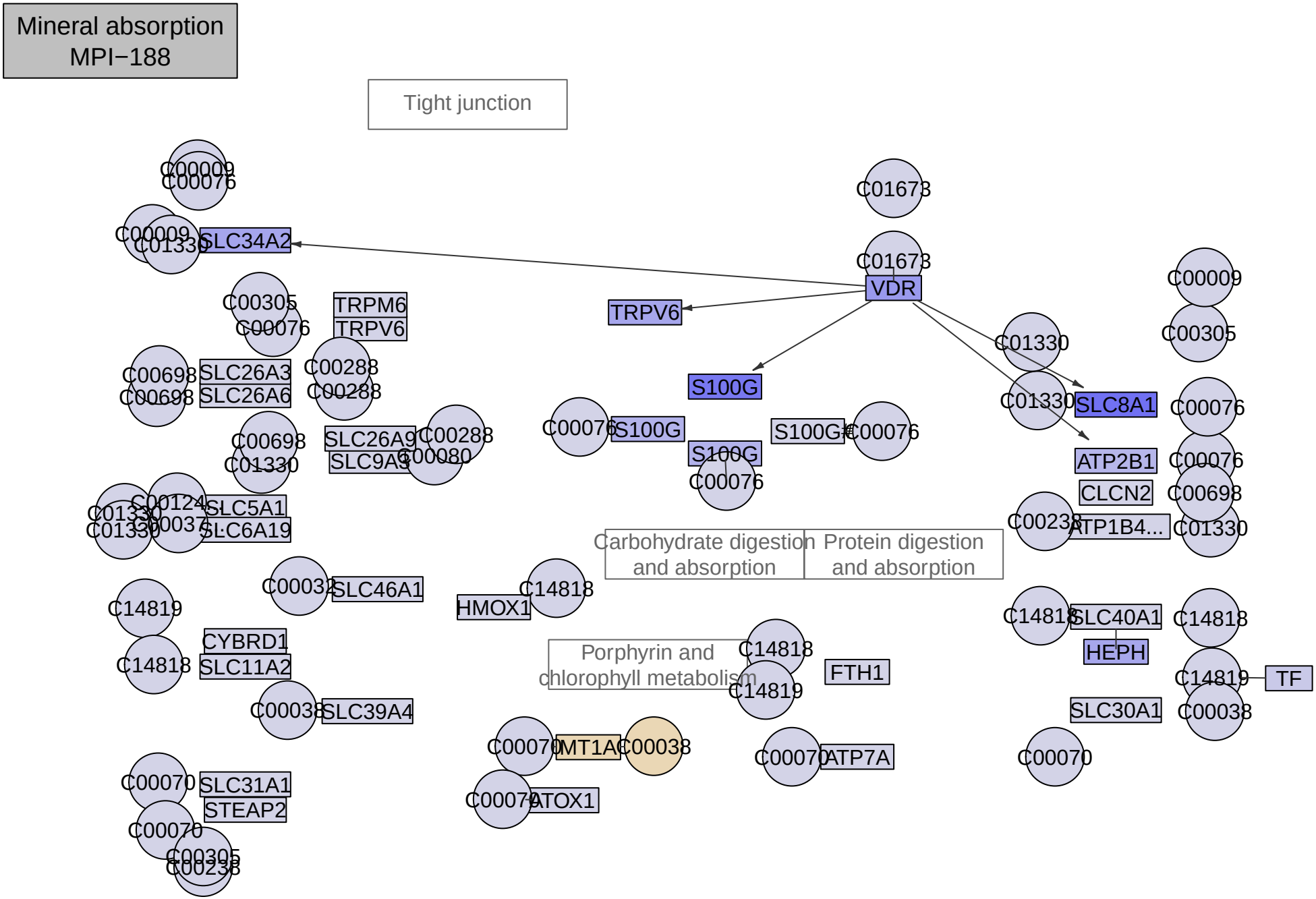
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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Porphyrin and chlorophyll metabolism
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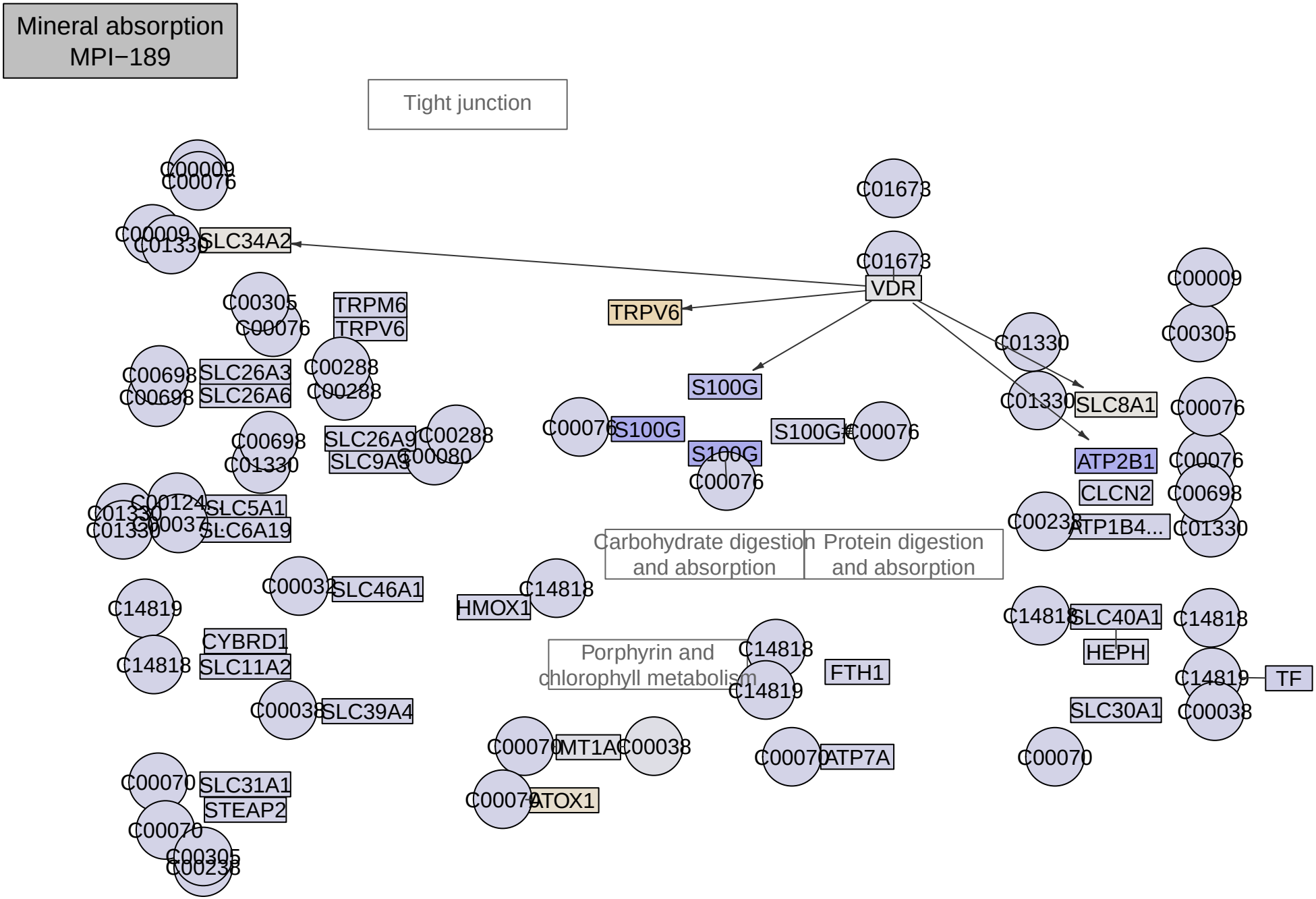
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VDR
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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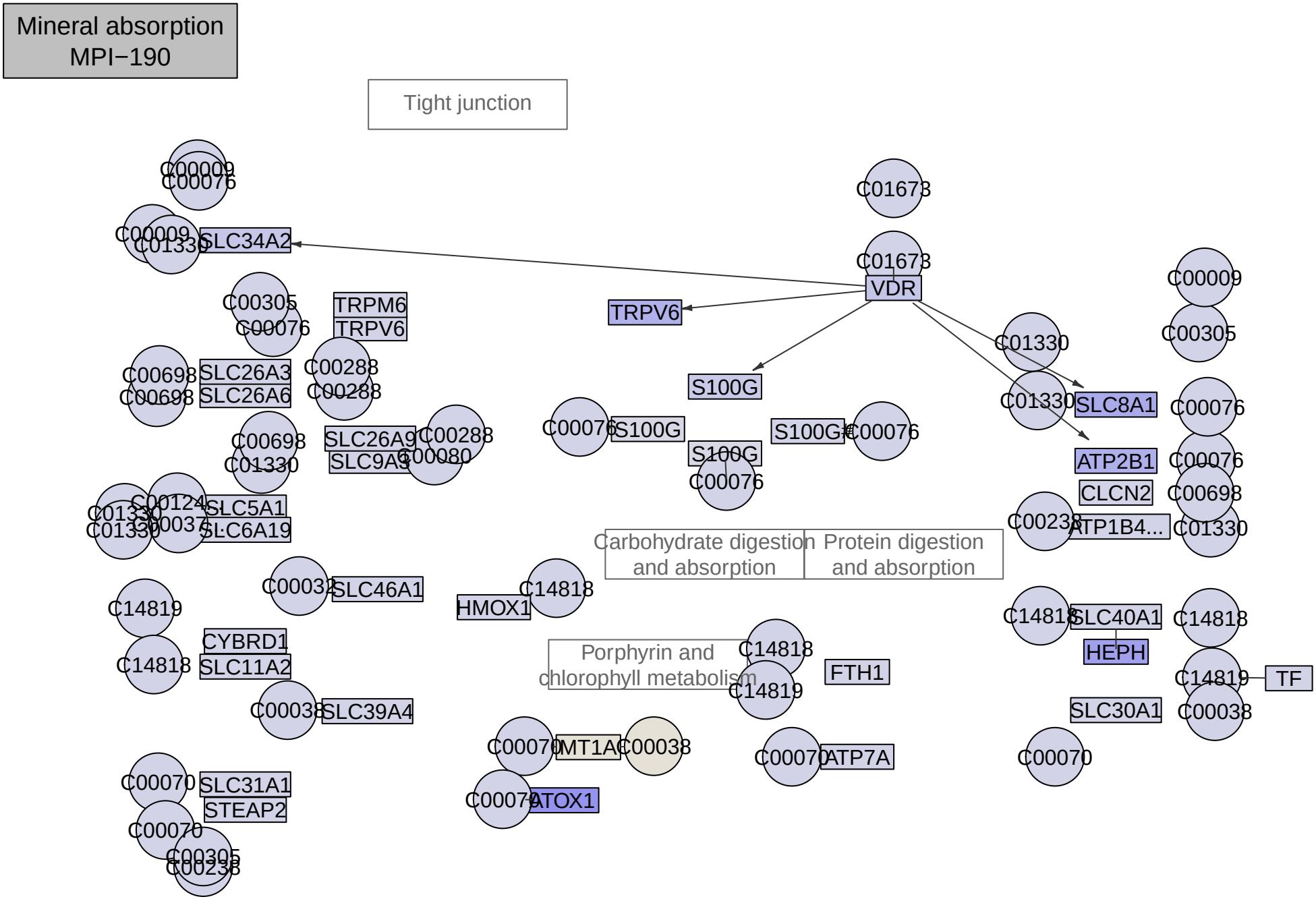
Mineral absorption
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TRPV6
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Carbohydrate digestion and absorption
Protein digestion and absorption
HMOX1
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Porphyrin and chlorophyll metabolism
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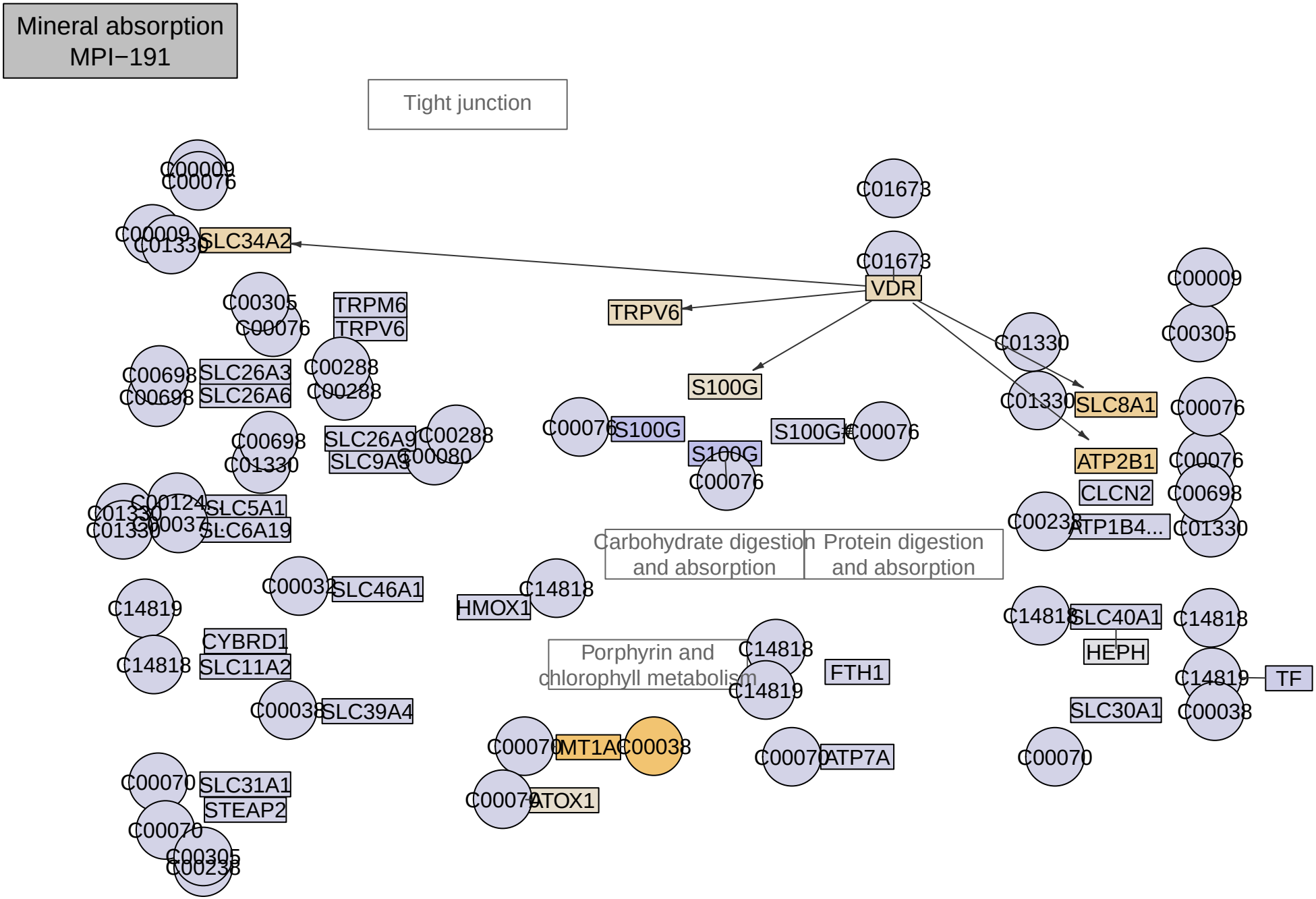
Mineral absorption
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C01330
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CLCN2
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TRPV6
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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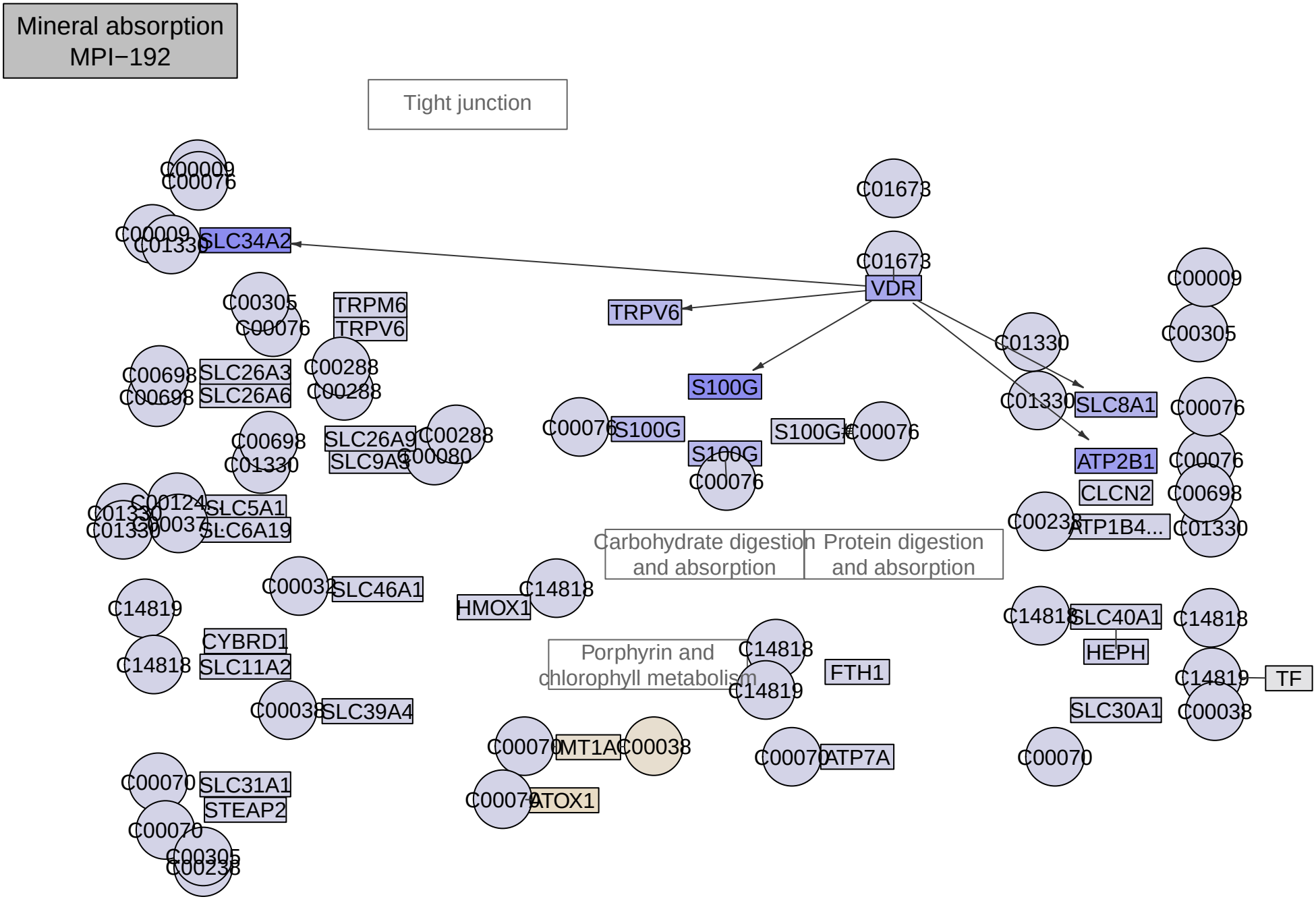
Mineral absorption
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Carbohydrate digestion and absorption
Protein digestion and absorption
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C14818
SLC40A1
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CYBRD1
C14818
SLC11A2
Porphyrin and chlorophyll metabolism
C14818
C14819
FTH1
HEPH
C14819
TF
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SLC39A4
SLC30A1
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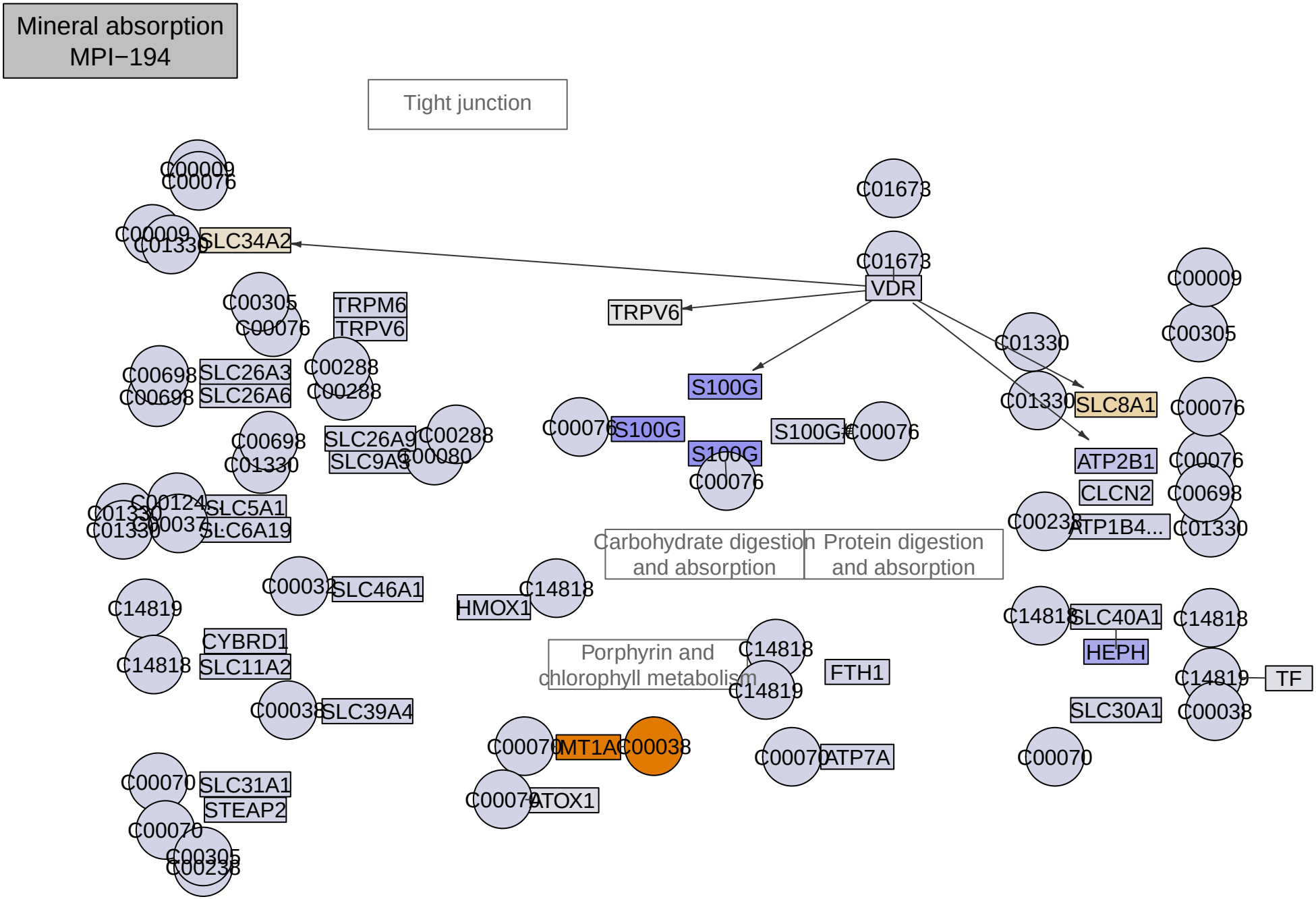
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C00238
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TRPV6
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SLC9A3
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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SLC39A4
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HMOX1
Porphyrin and chlorophyll metabolism
C14818
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FTH1
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HEPH
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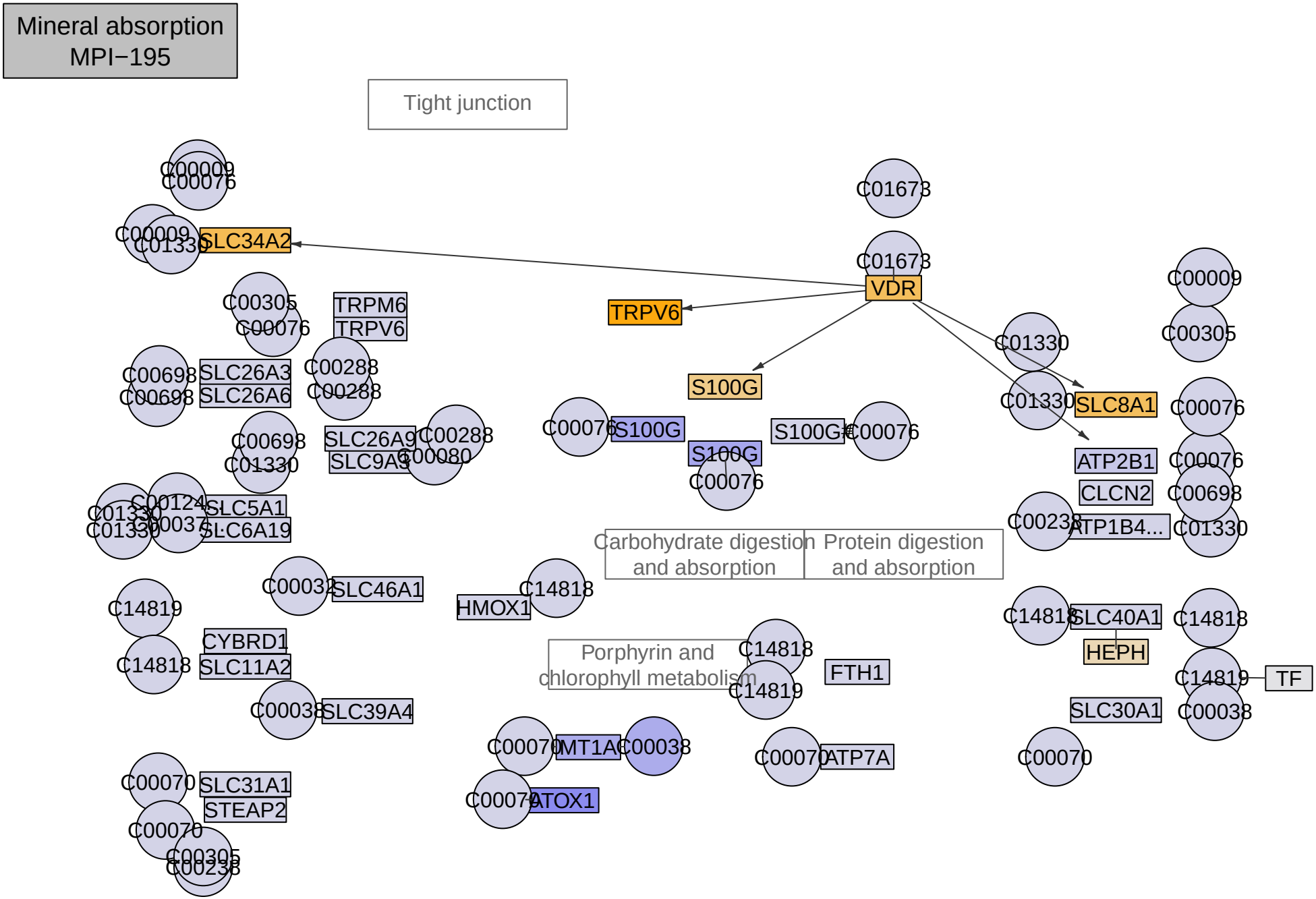
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S100G
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CLCN2
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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HEPH
CYBRD1
C14818
SLC11A2
C14818
C14819
FTH1
Porphyrin and chlorophyll metabolism
C14819
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TF
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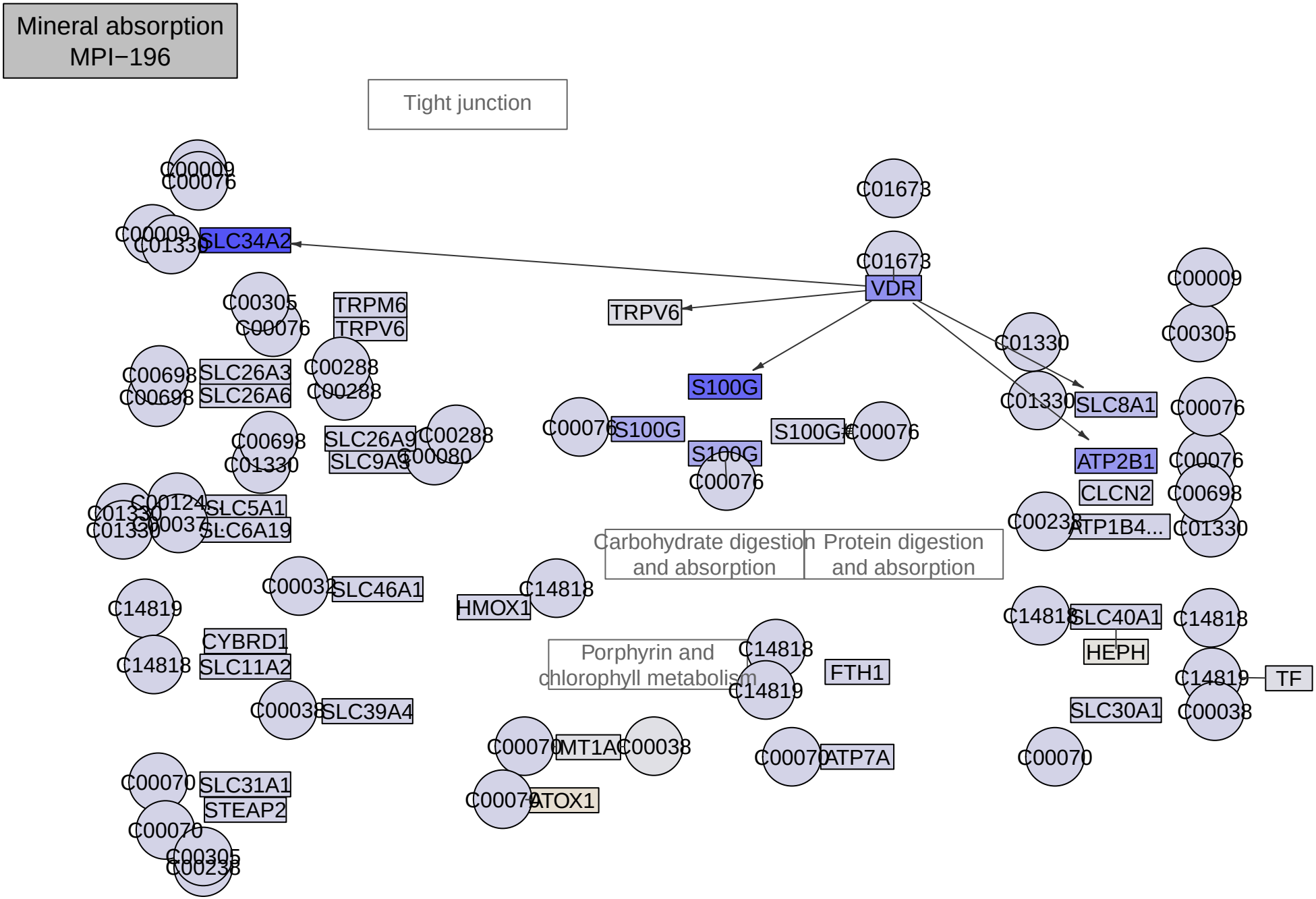
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C01330
SLC8A1
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ATP2B1
C00076
CLCN2
C00698
C00238
ATP1B4...
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TRPV6
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SLC9A3
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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SLC46A1
C14819
CYBRD1
C14818
SLC11A2
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SLC39A4
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HMOX1
Porphyrin and chlorophyll metabolism
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FTH1
C14818
SLC40A1
C14818
HEPH
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SLC31A1
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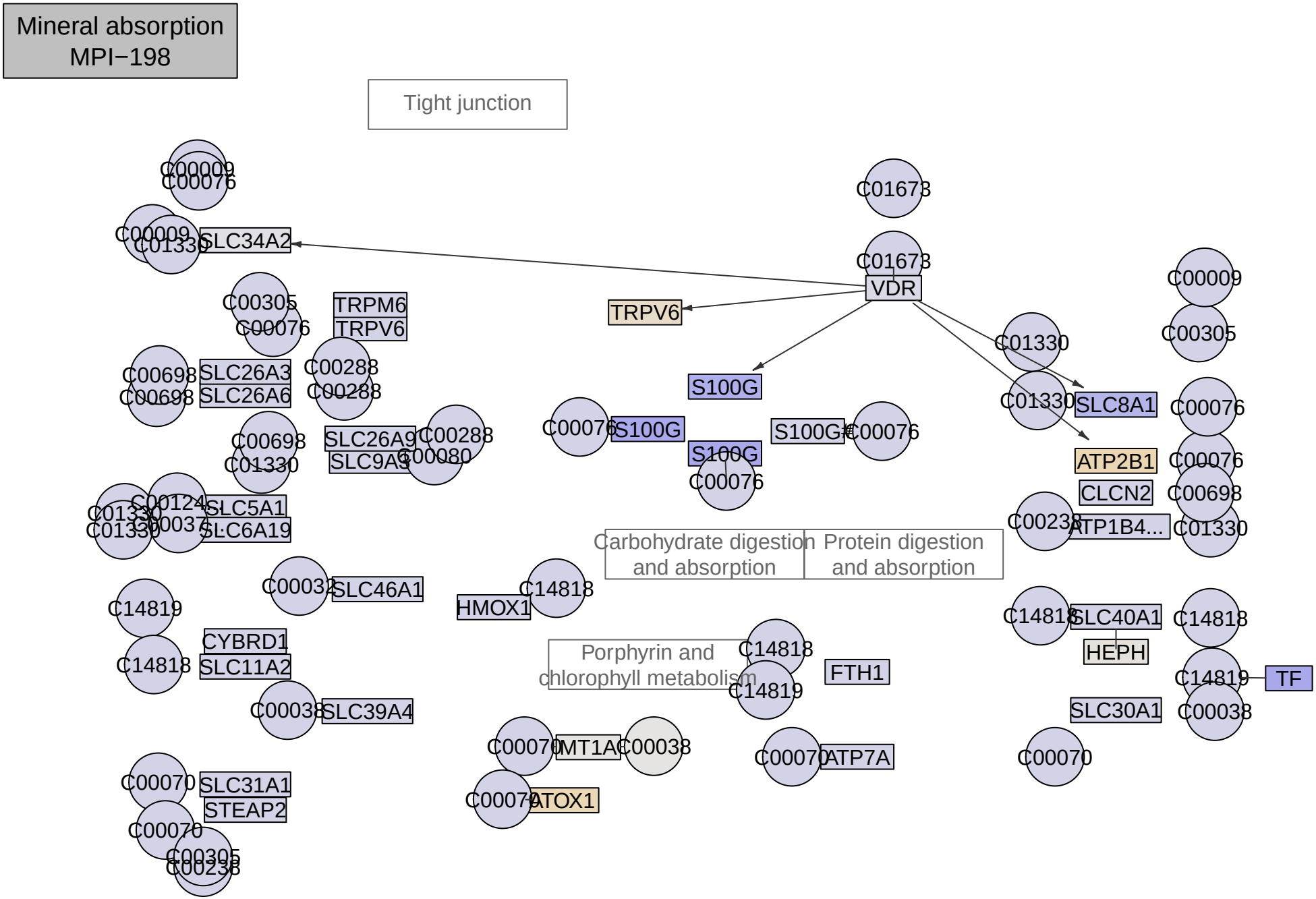
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C01330
SLC8A1
C00076
ATP2B1
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CLCN2
C00698
C00238
ATP1B4...
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TRPV6
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C00698
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SLC26A6
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C00080
C00124
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C01330
C00037
SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
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SLC39A4
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HMOX1
Porphyrin and chlorophyll metabolism
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FTH1
C14818
SLC40A1
HEPH
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SLC31A1
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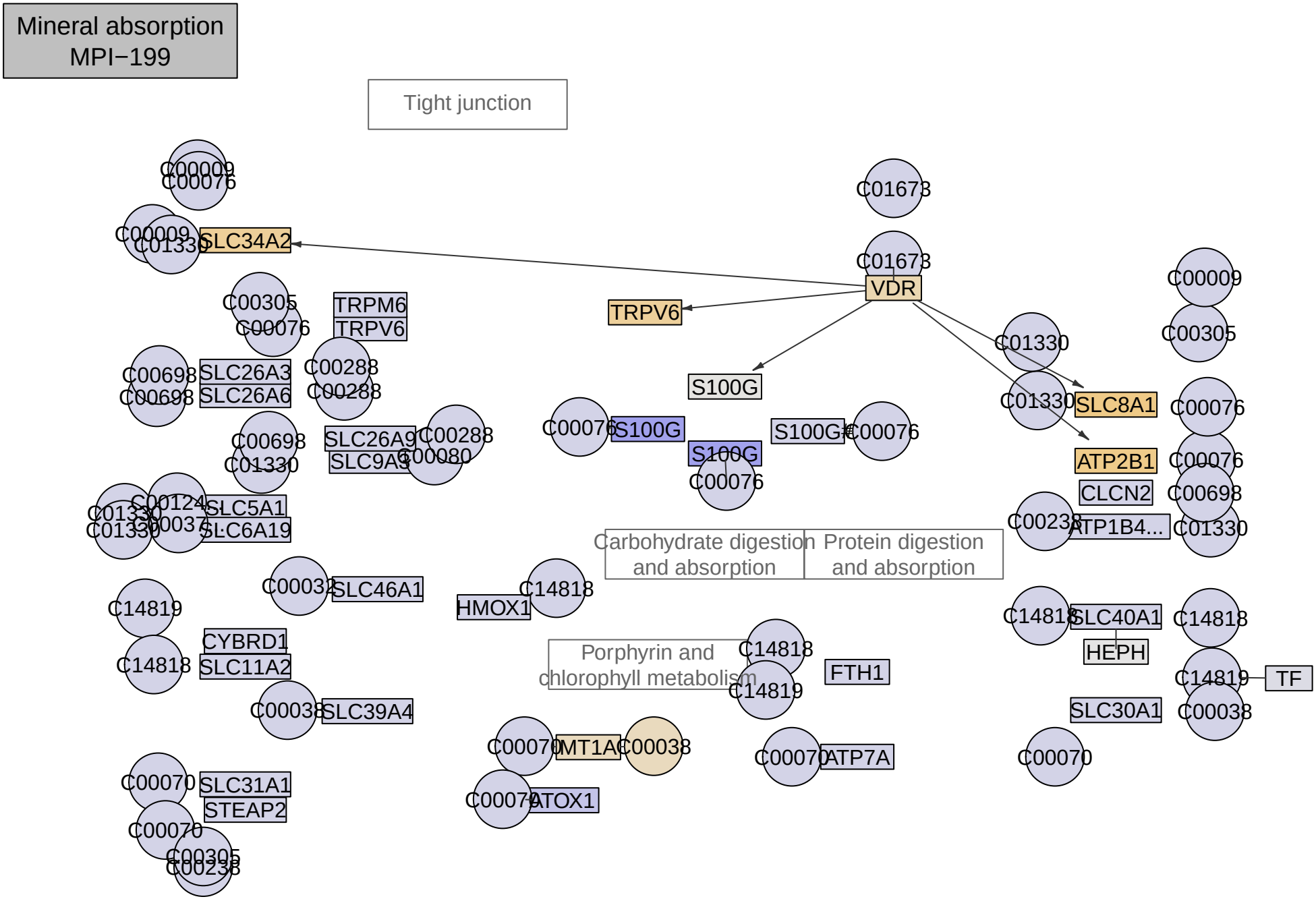
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TRPV6
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SLC6A19
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CYBRD1
C14818
SLC11A2
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SLC39A4
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TRPV6
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
Porphyrin and chlorophyll metabolism
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FTH1
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ATOX1
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ATP7A
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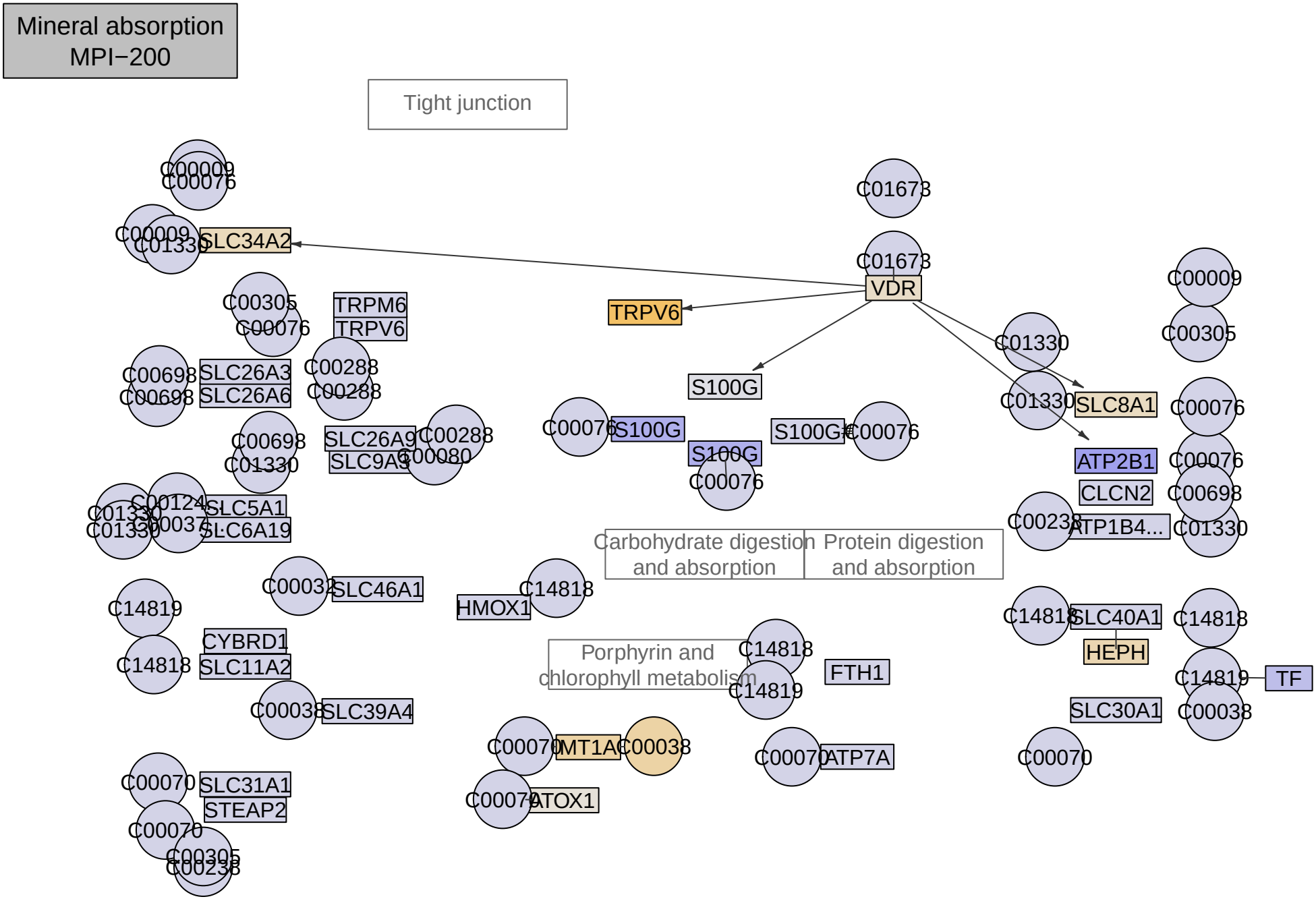
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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SLC11A2
Porphyrin and chlorophyll metabolism
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FTH1
HEPH
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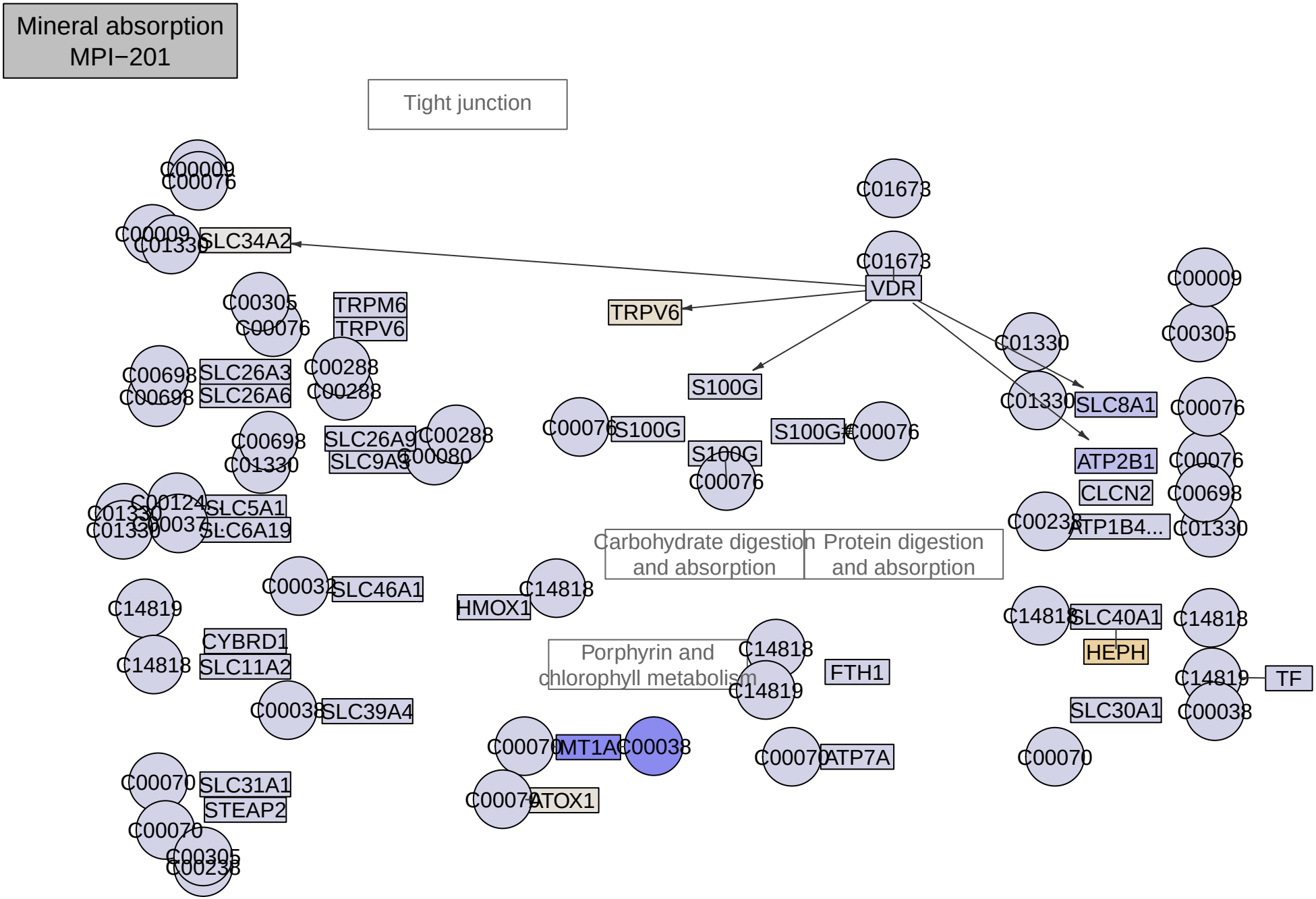
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SLC6A19
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SLC46A1
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C14819
CYBRD1
SLC11A2
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SLC39A4
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VDR
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Carbohydrate digestion and absorption
Protein digestion and absorption
HMOX1
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Porphyrin and chlorophyll metabolism
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CLCN2
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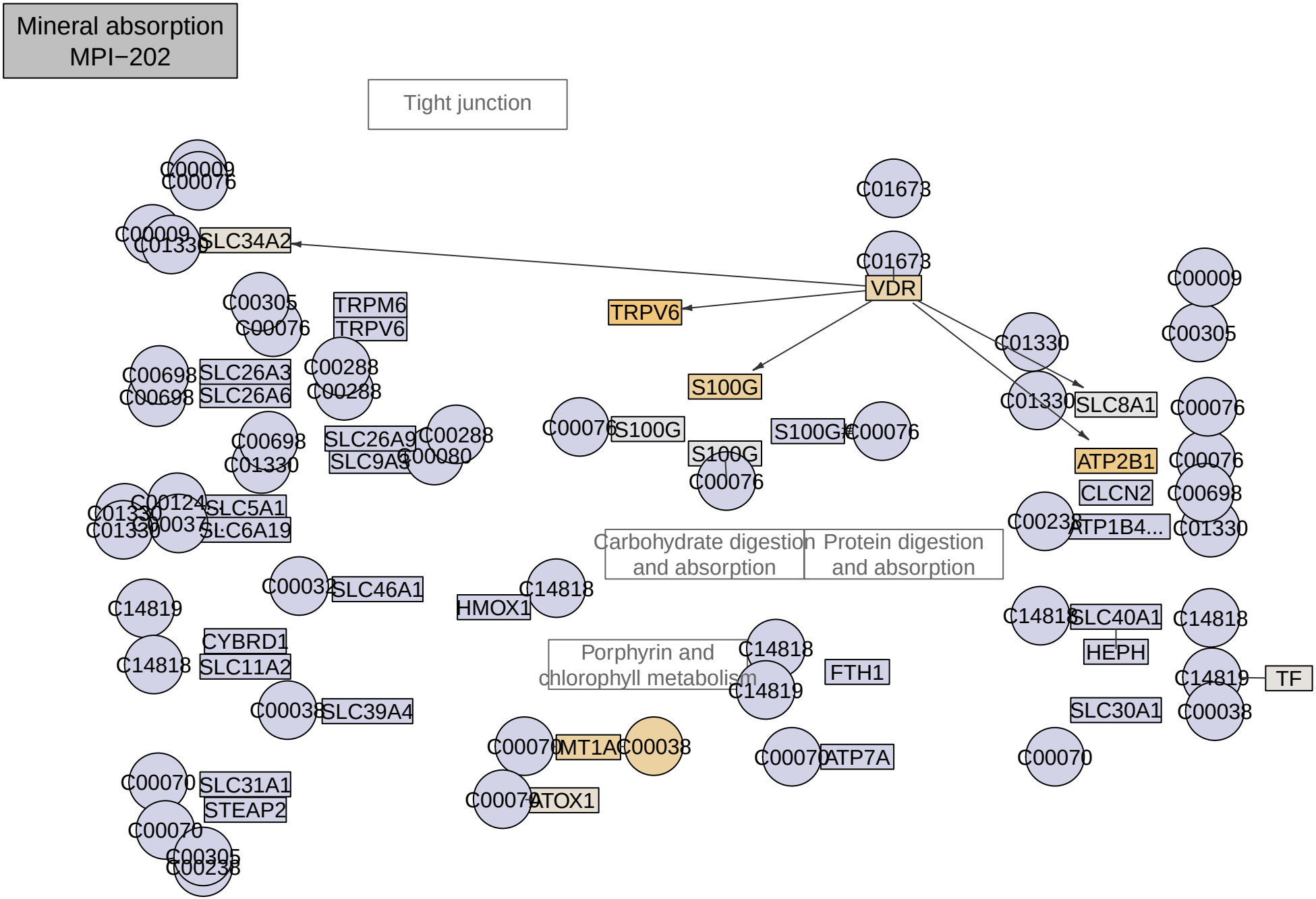
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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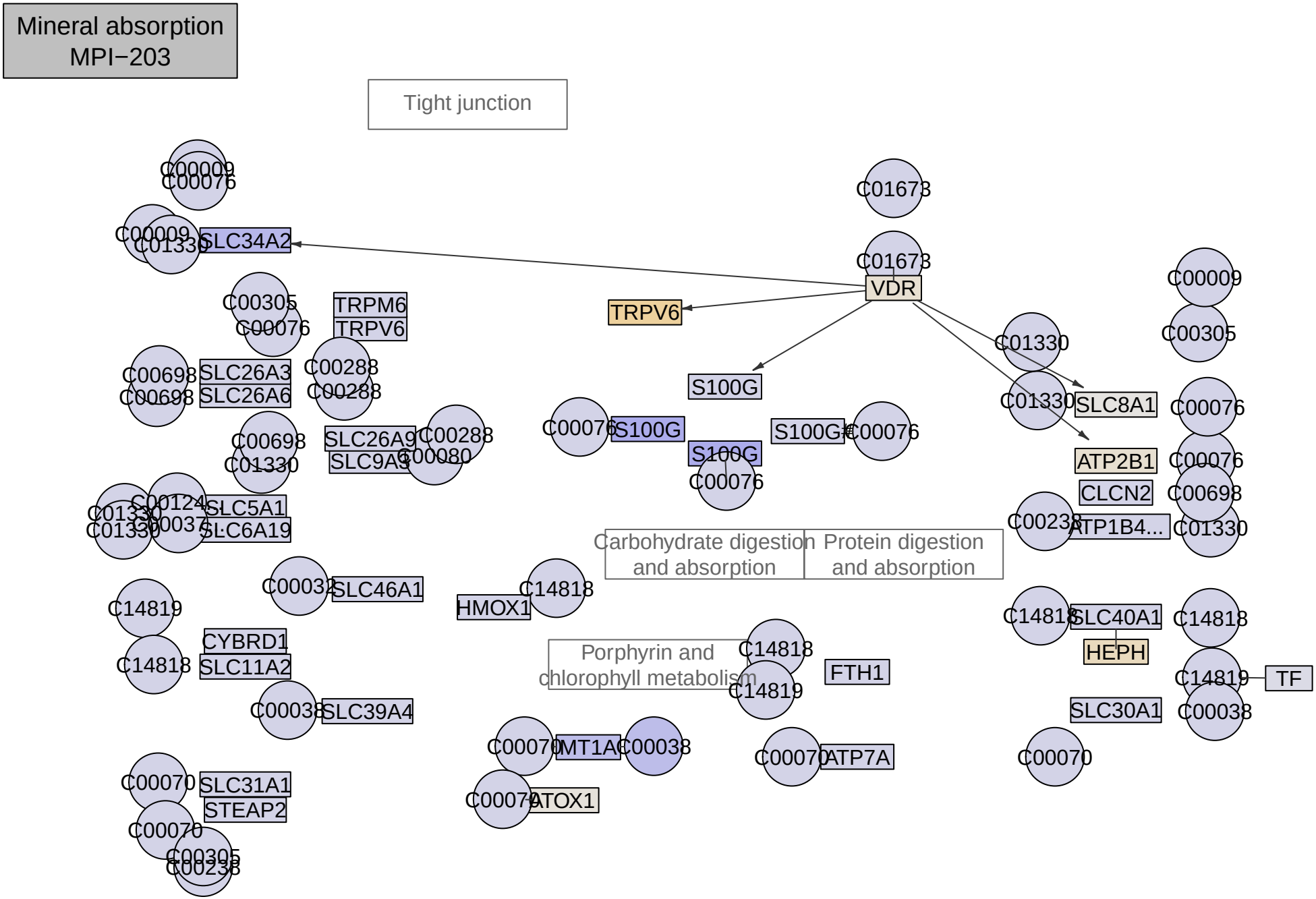
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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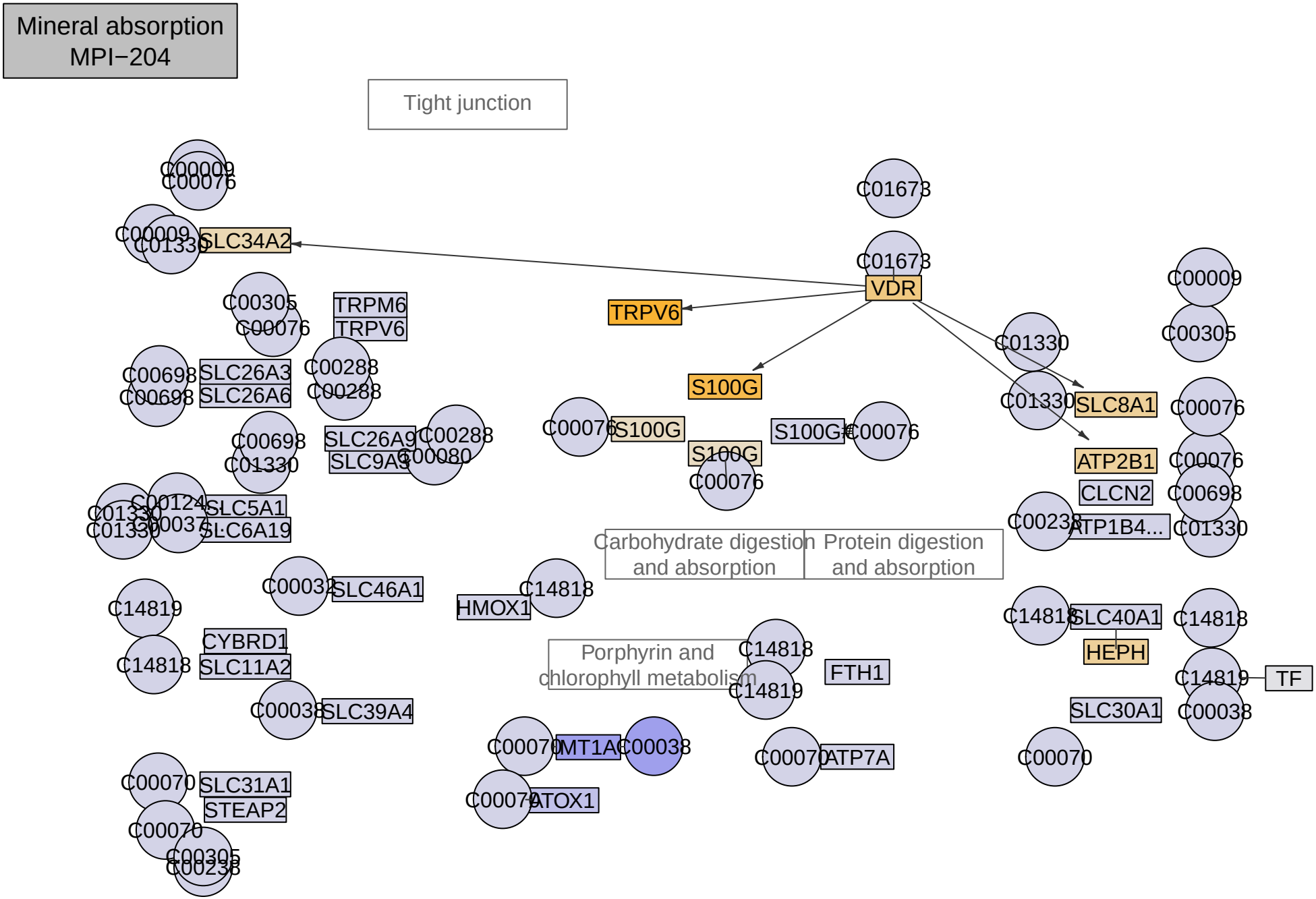
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CYBRD1
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Carbohydrate digestion and absorption
Protein digestion and absorption
C14818
HMOX1
Porphyrin and chlorophyll metabolism
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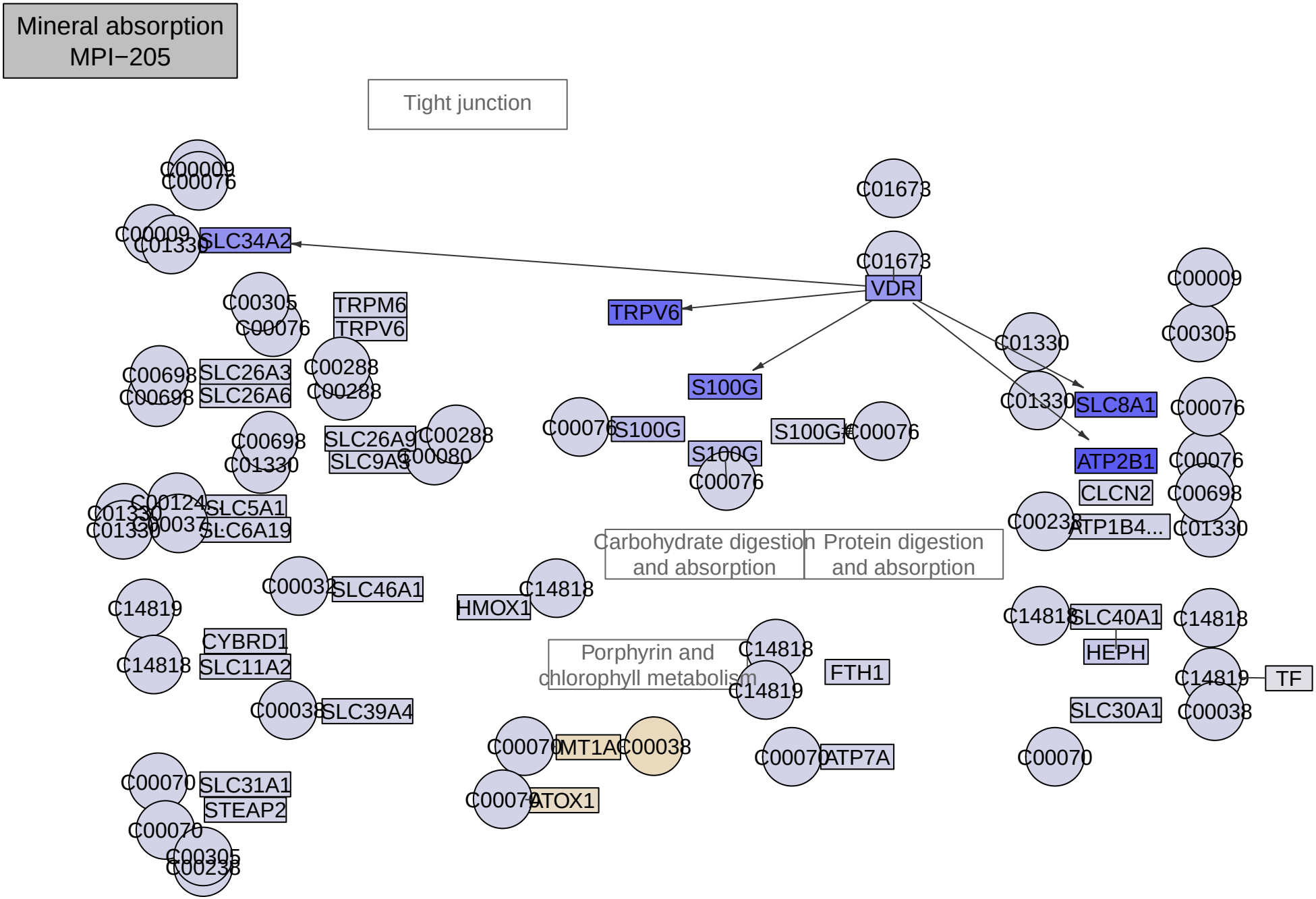
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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Porphyrin and chlorophyll metabolism
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FTH1
HEPH
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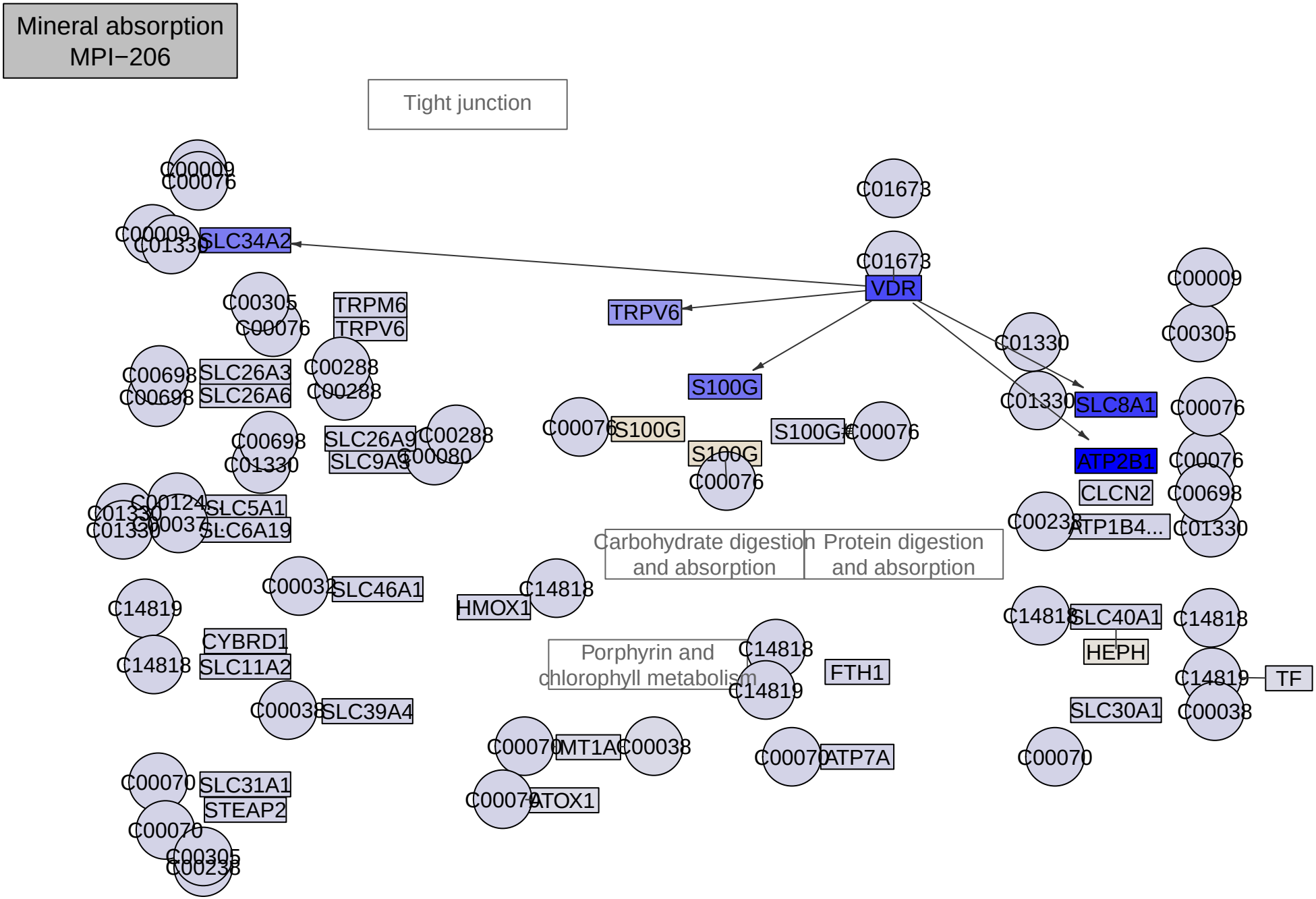
Mineral absorption
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VDR
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C01330
SLC8A1
C00076
ATP2B1
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CLCN2
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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Porphyrin and chlorophyll metabolism
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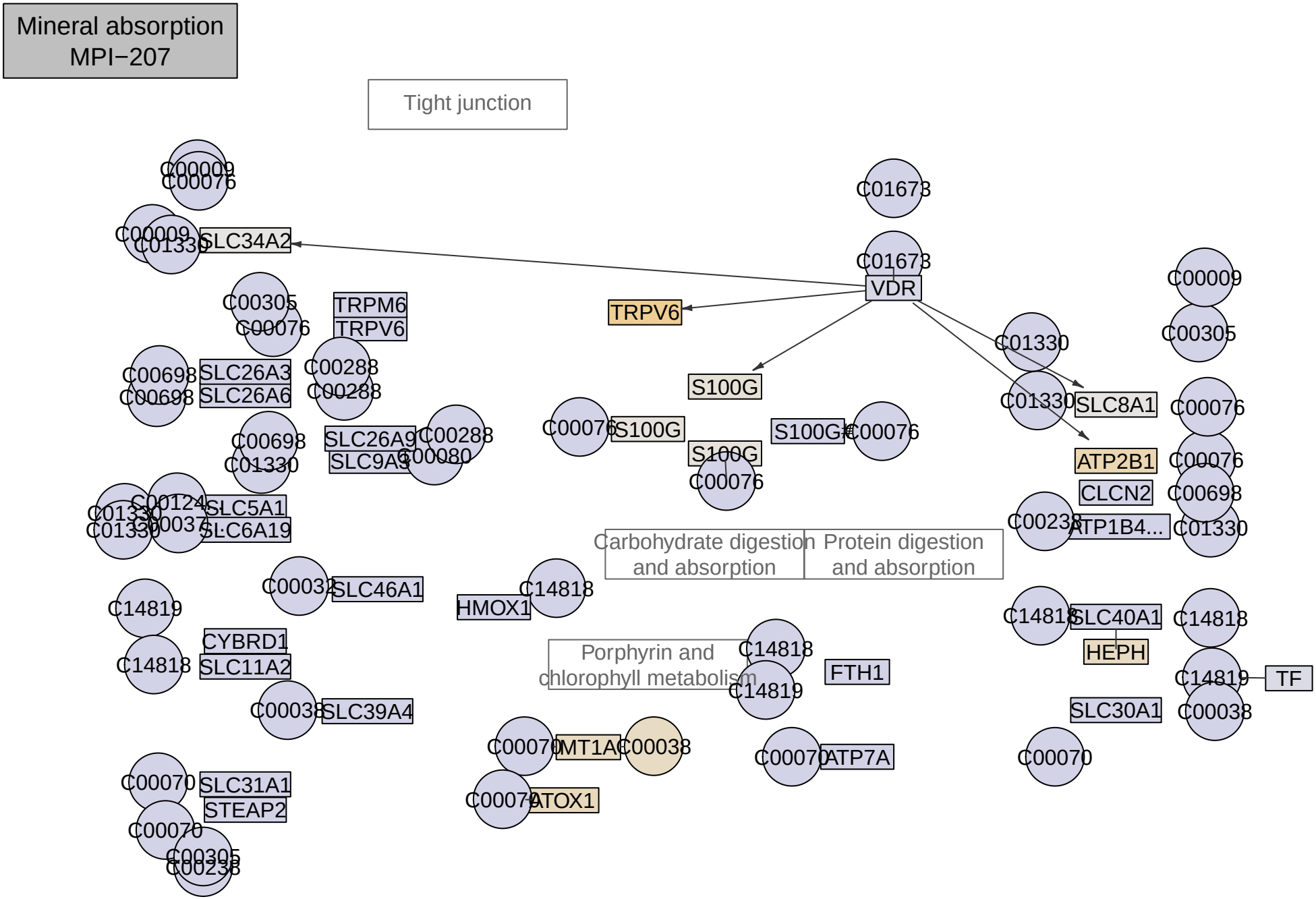
Mineral absorption
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VDR
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C01330
SLC8A1
C00076
ATP2B1
C00076
CLCN2
C00698
C00238
ATP1B4...
C01330
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TRPM6
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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CYBRD1
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SLC11A2
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SLC39A4
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HMOX1
C14818
C14819
FTH1
Porphyrin and chlorophyll metabolism
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SLC40A1
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HEPH
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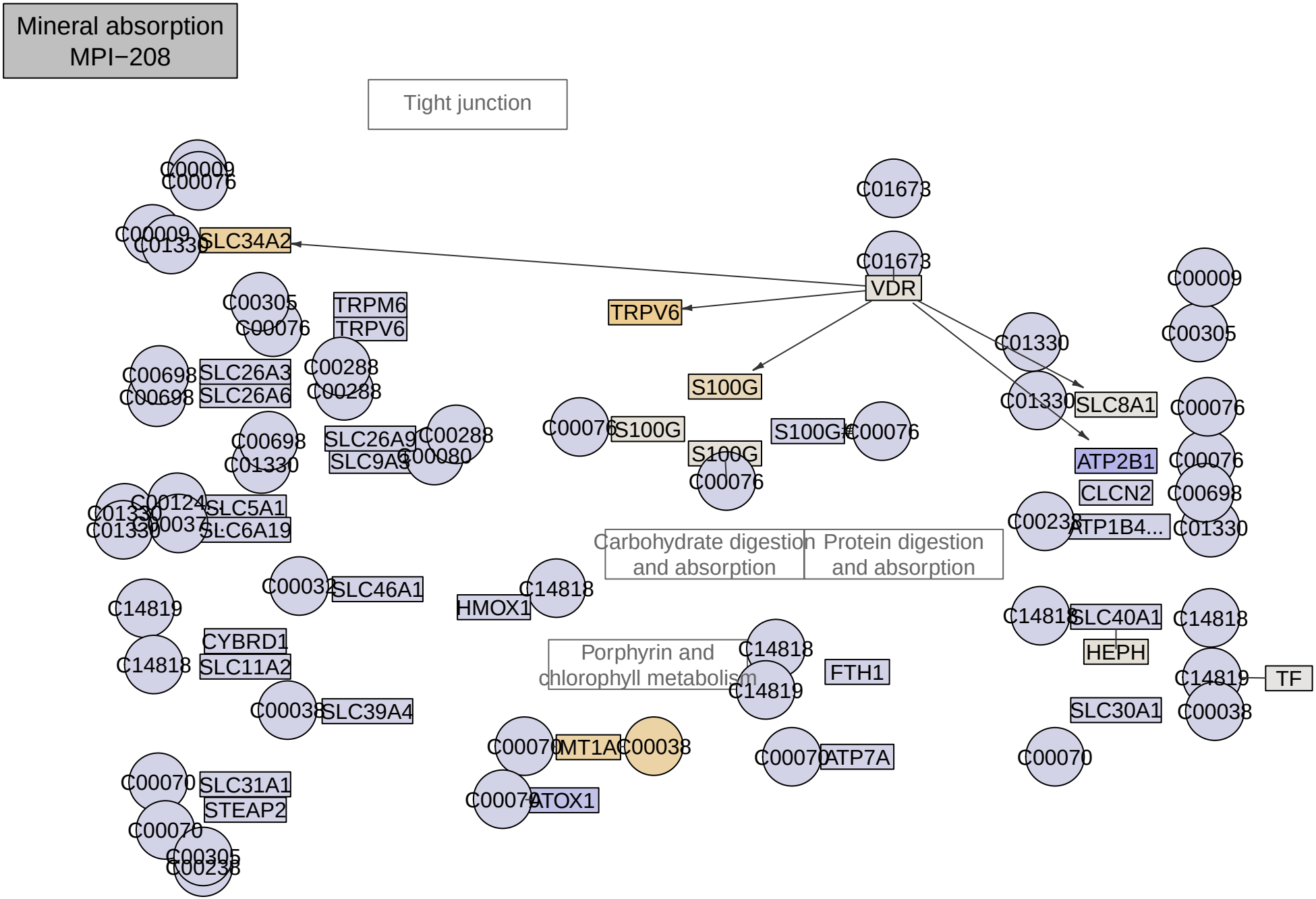
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CLCN2
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C00238
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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SLC46A1
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CYBRD1
C14818
SLC11A2
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SLC39A4
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HMOX1
C14818
C14818
SLC40A1
C14818
HEPH
C14819
TF
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C14819
FTH1
Porphyrin and chlorophyll metabolism
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SLC31A1
STEAP2
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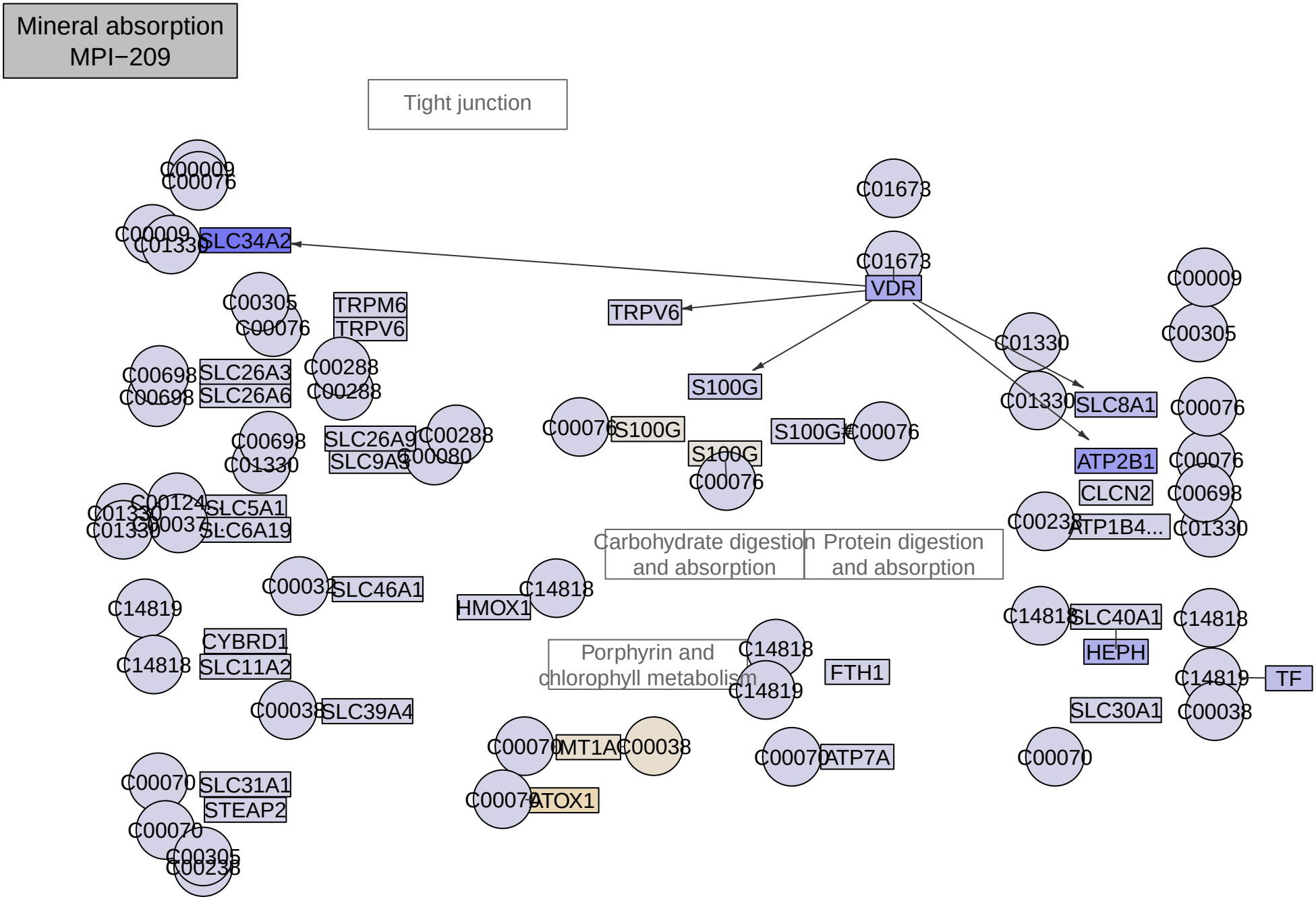
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TRPM6
TRPV6
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C00698
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SLC9A3
C00288
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S100G
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C00076
C00124
C01330
C01330
C00037
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SLC6A19
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SLC46A1
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CYBRD1
C14818
SLC11A2
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SLC39A4
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SLC31A1
STEAP2
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Carbohydrate digestion and absorption
Protein digestion and absorption
C14818
HMOX1
Porphyrin and chlorophyll metabolism
C14818
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FTH1
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MT1A
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C00070
ATOX1
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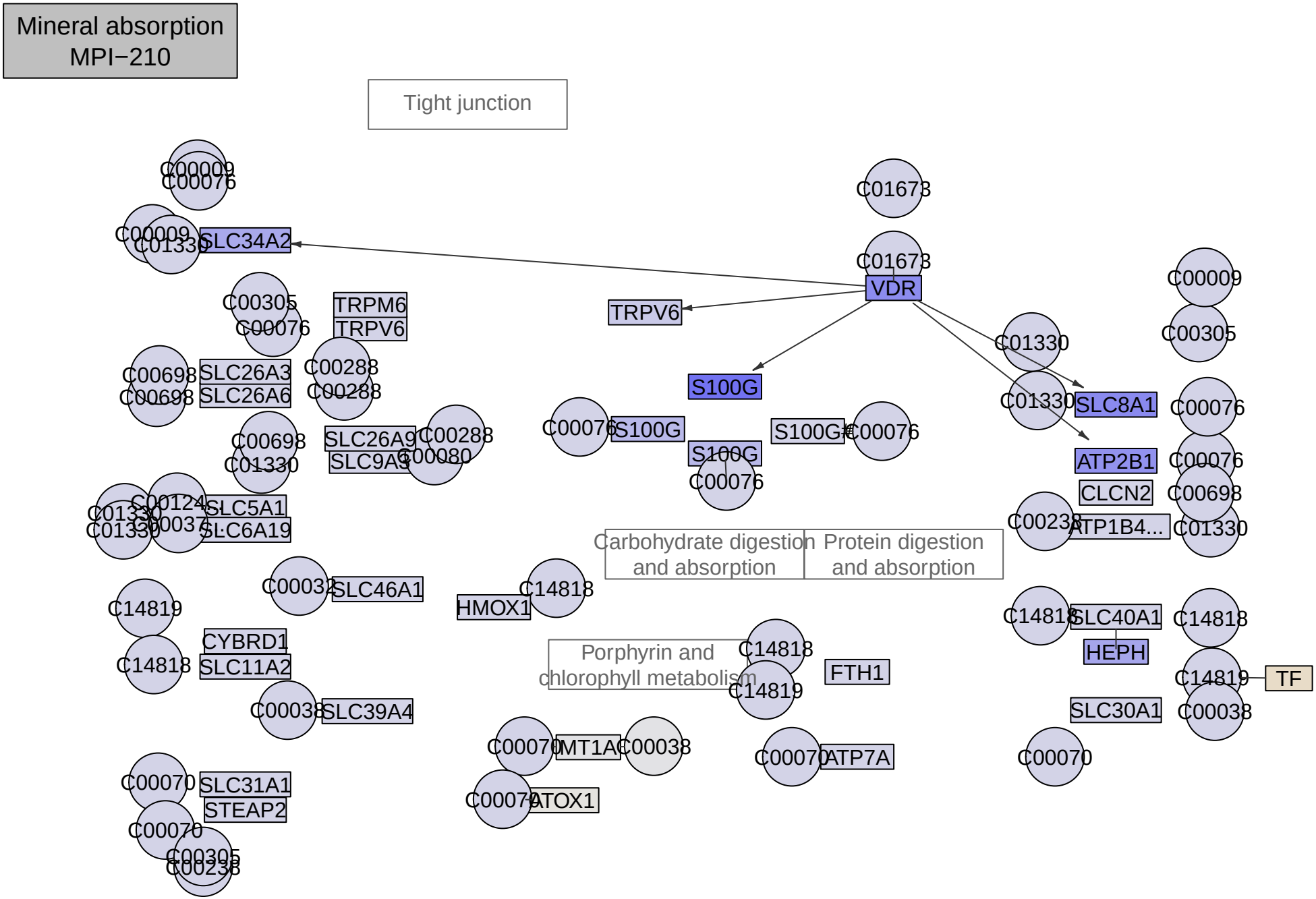
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C01330
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ATP2B1
C00076
CLCN2
C00698
C00238
ATP1B4...
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TRPV6
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SLC26A6
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
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SLC39A4
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HMOX1
Porphyrin and chlorophyll metabolism
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FTH1
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SLC40A1
HEPH
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ATP7A
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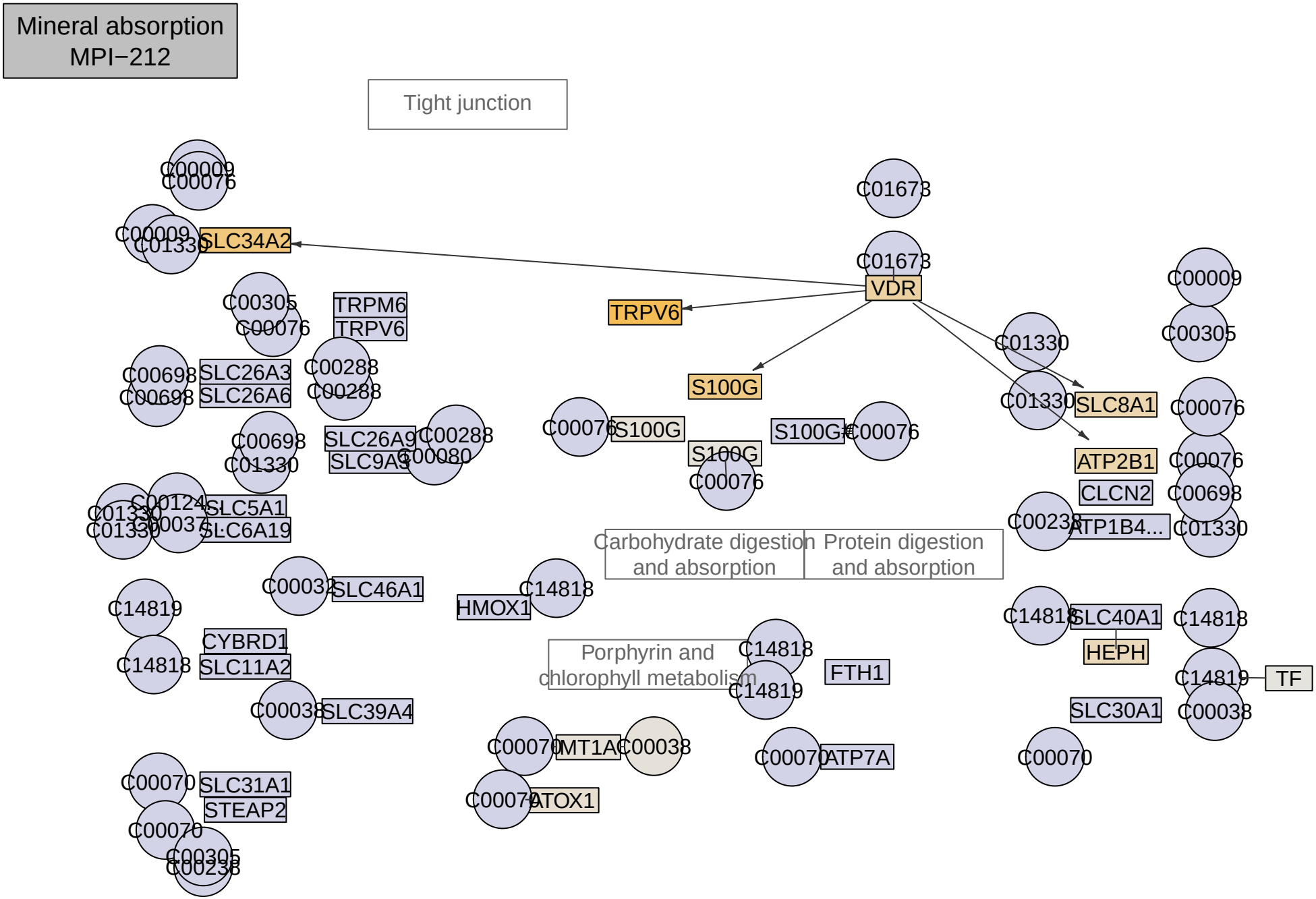
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TRPV6
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S100G
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S100G
C00076
ATP2B1
C00076
CLCN2
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SLC6A19
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ATP1B4...
C01330
Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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CYBRD1
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HEPH
Porphyrin and chlorophyll metabolism
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FTH1
C14819
C14819
TF
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ATOX1
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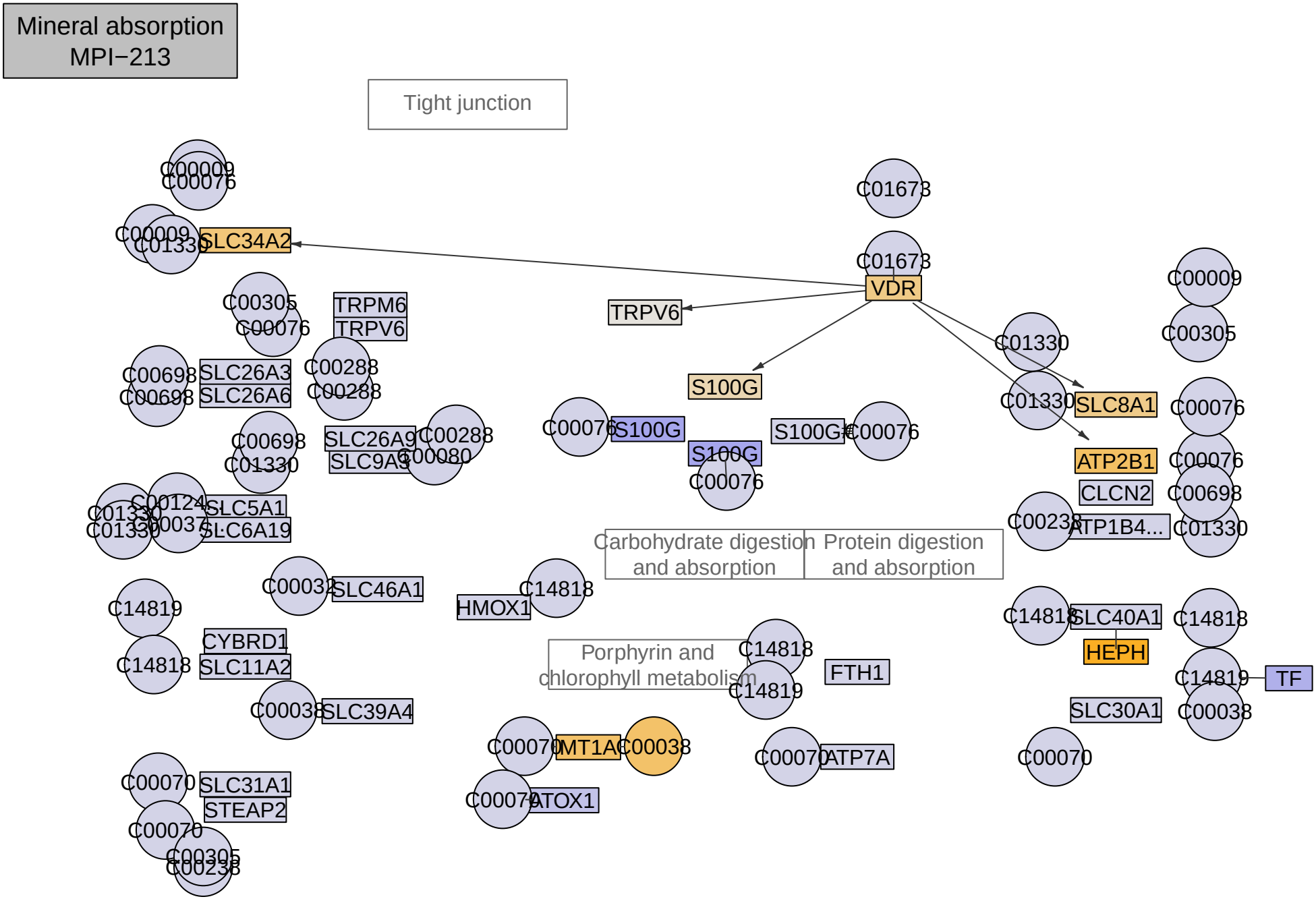
Mineral absorption
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VDR
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S100G
S100G
S100G
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ATP2B1
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
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HMOX1
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CYBRD1
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HEPH
Porphyrin and chlorophyll metabolism
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FTH1
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TF
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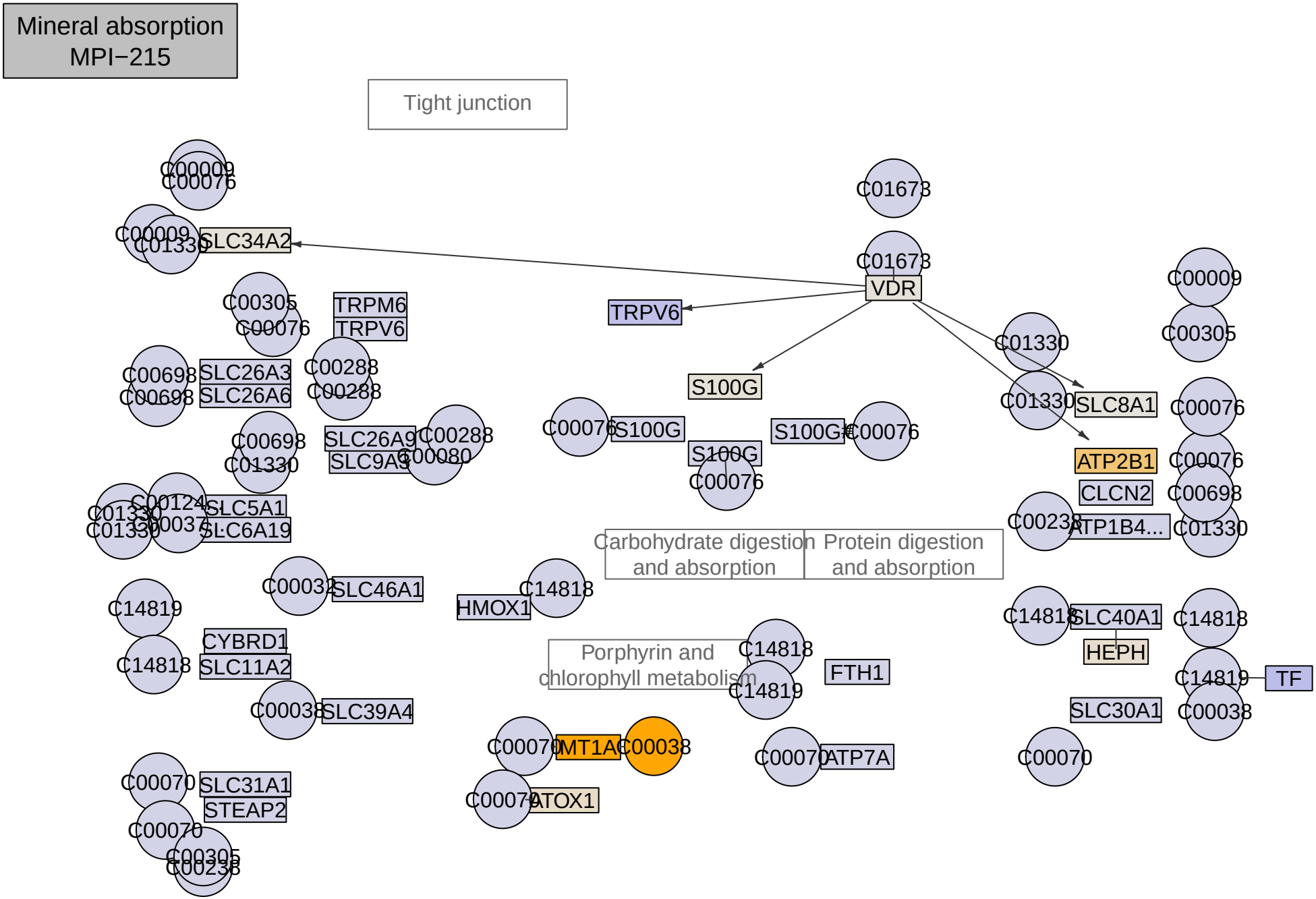
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S100G
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ATP2B1
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CLCN2
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SLC6A19
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ATP1B4...
C01330
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
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HMOX1
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SLC40A1
C14818
CYBRD1
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SLC11A2
Porphyrin and chlorophyll metabolism
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C14819
FTH1
HEPH
C14819
TF
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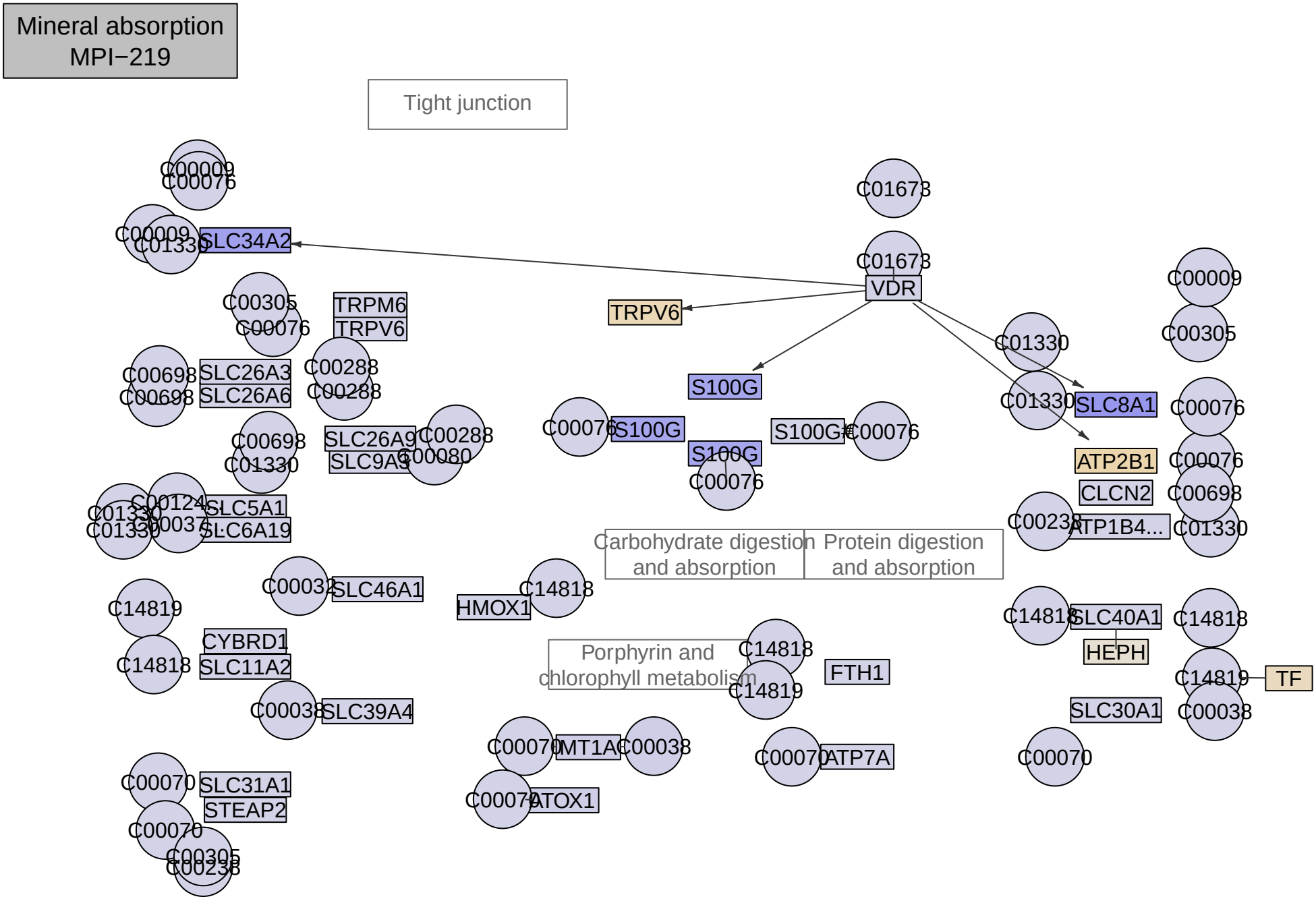
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CLCN2
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C00238
ATP1B4...
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TRPV6
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SLC26A6
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C01330
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SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
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C14819
CYBRD1
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SLC11A2
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SLC39A4
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HMOX1
Porphyrin and chlorophyll metabolism
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FTH1
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SLC31A1
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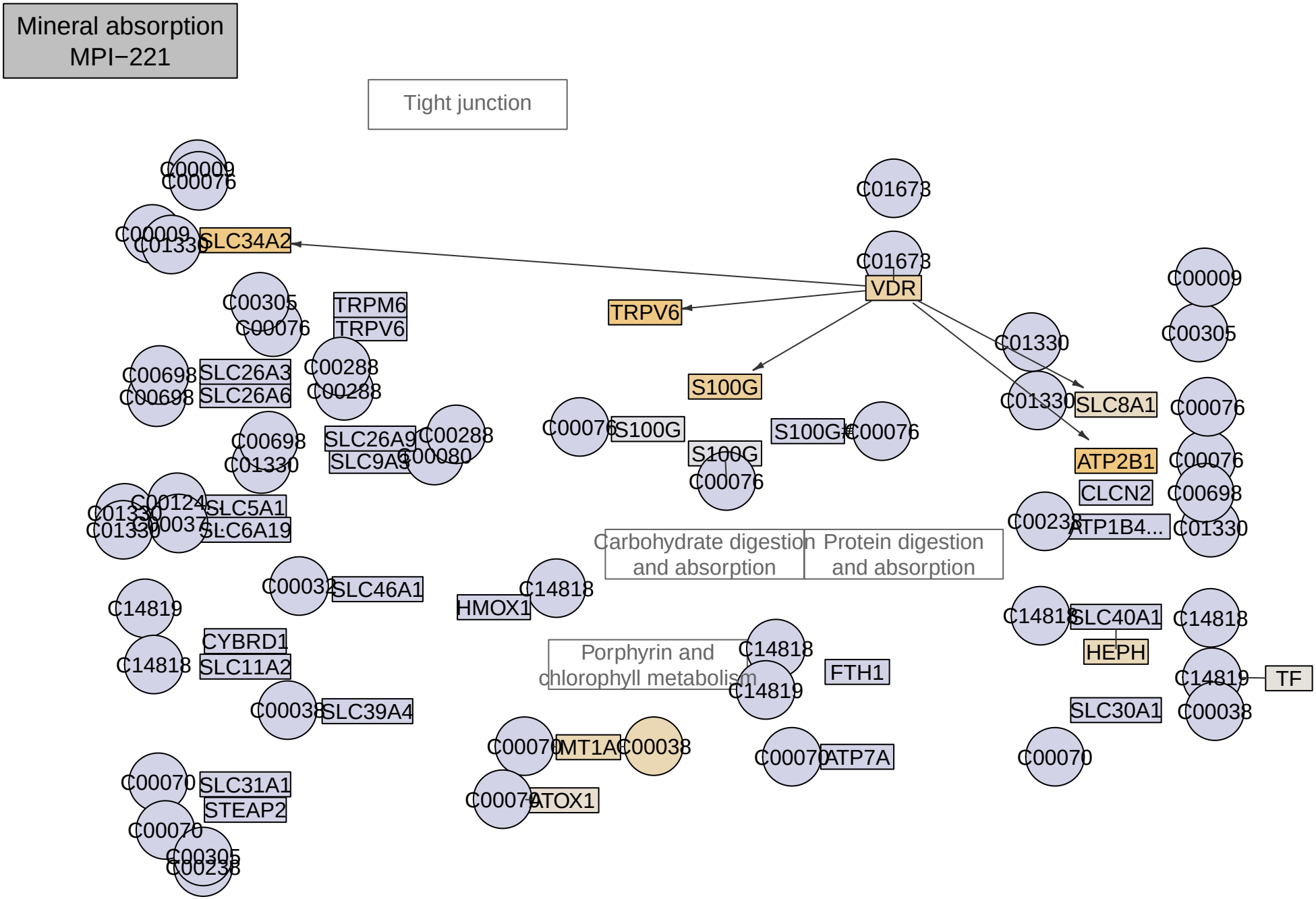
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S100G
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ATP2B1
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CLCN2
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SLC5A1
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ATP1B4...
C01330
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
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HMOX1
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HEPH
Porphyrin and chlorophyll metabolism
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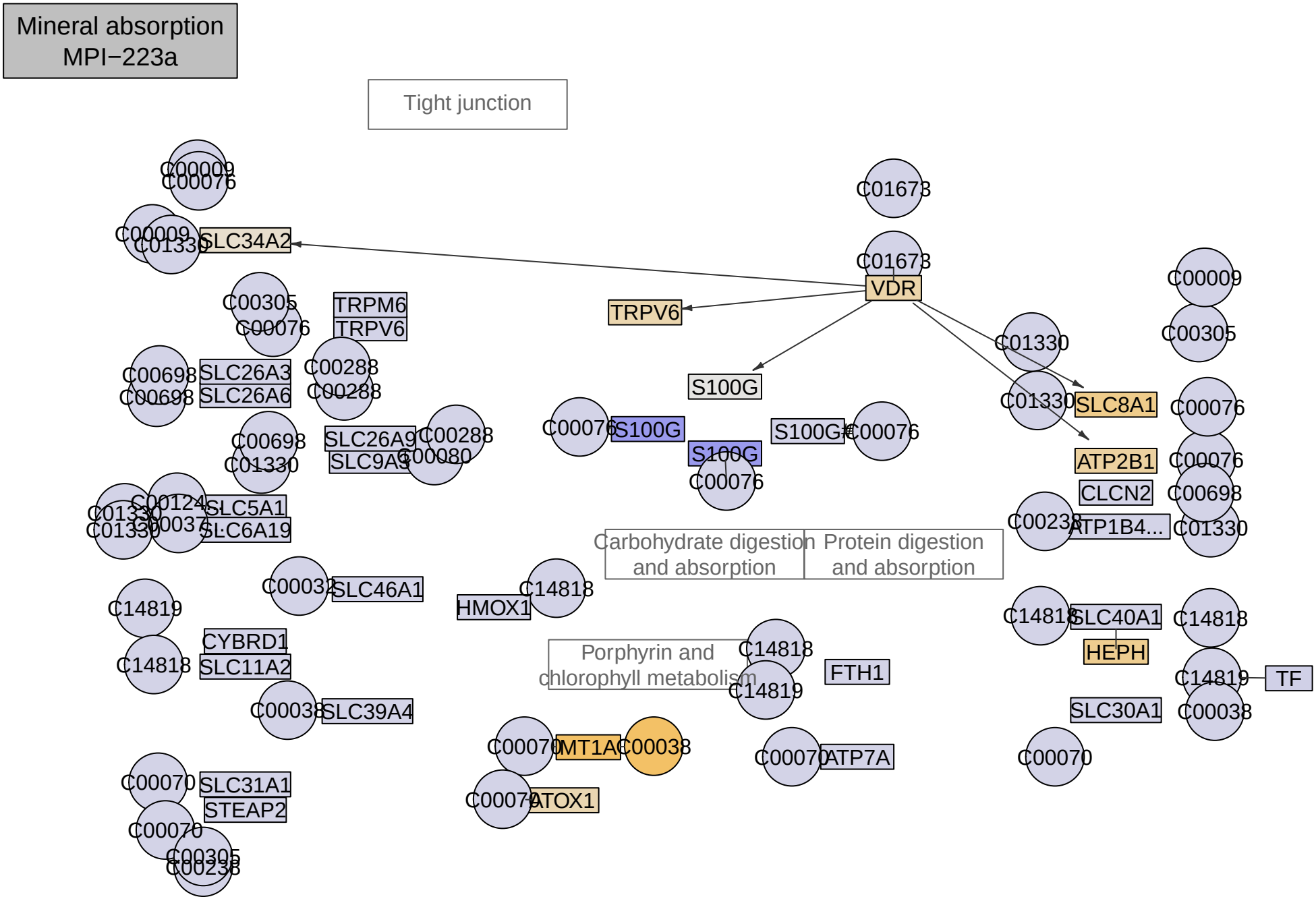
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TRPV6
TRPV6
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C00080
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S100G
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ATP2B1
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ATP1B4...
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Carbohydrate digestion and absorption
Protein digestion and absorption
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Porphyrin and chlorophyll metabolism
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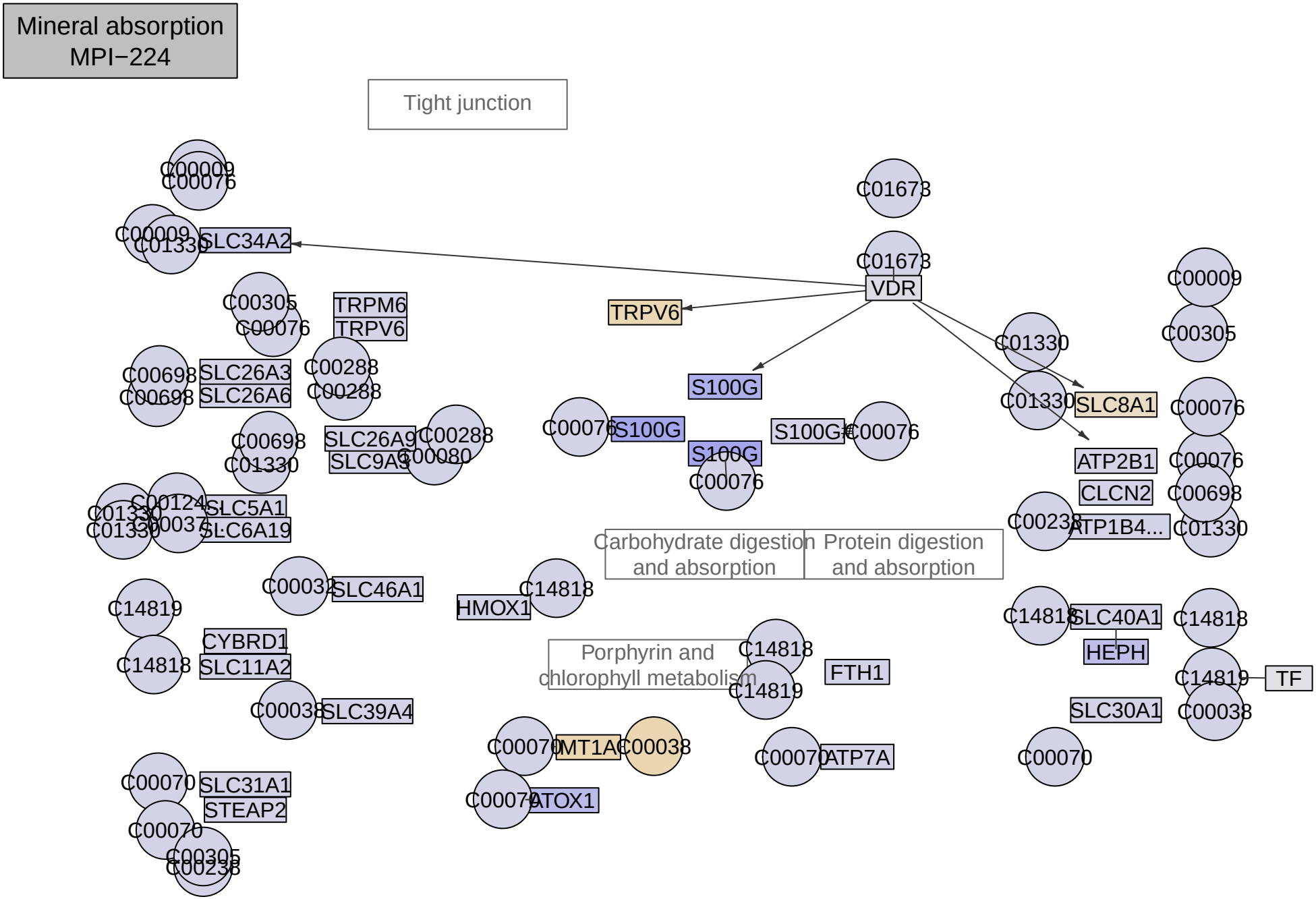
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TRPV6
TRPV6
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SLC9A3
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CLCN2
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ATP1B4...
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
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Porphyrin and chlorophyll metabolism
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FTH1
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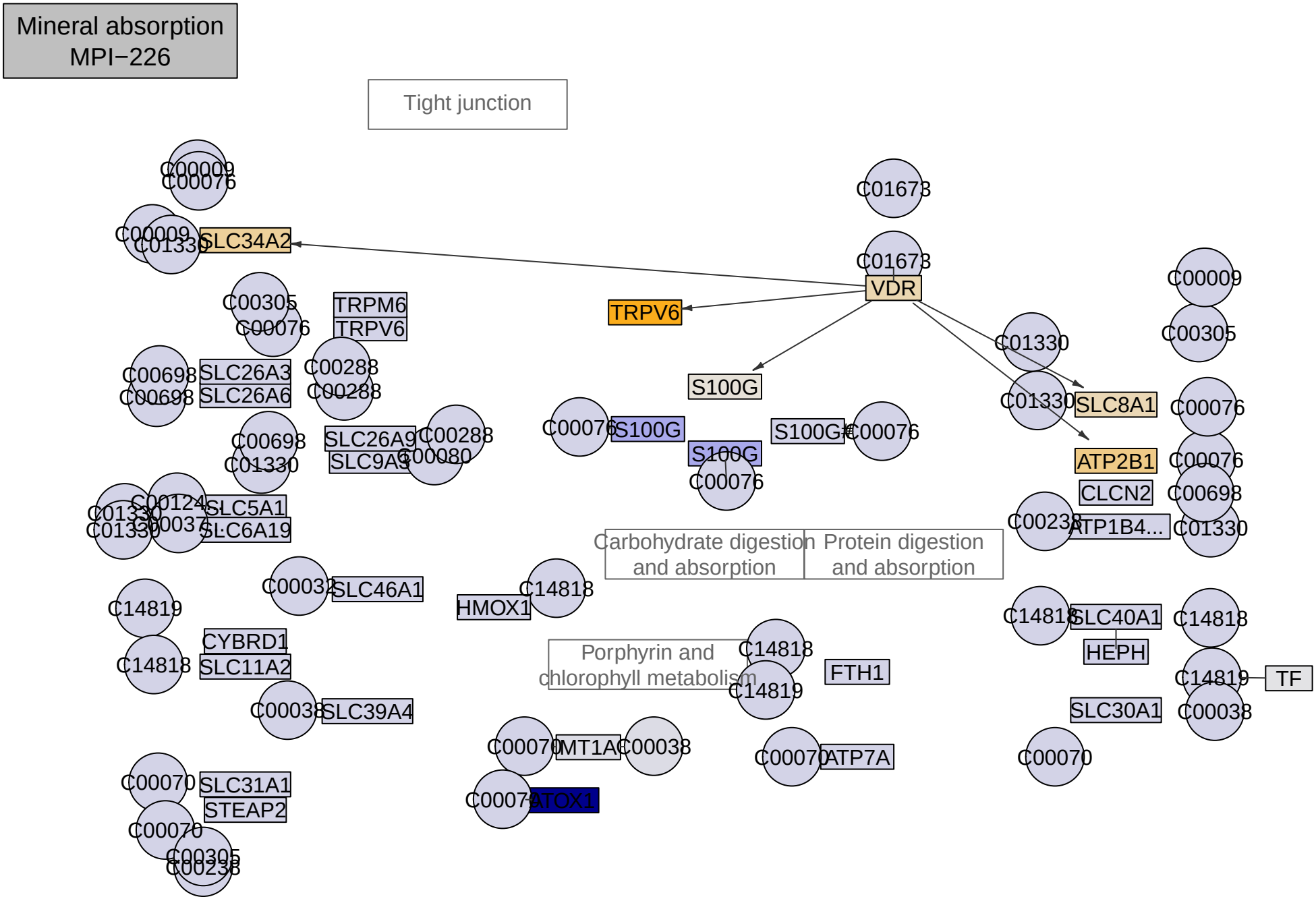
Mineral absorption
MPI−226
Tight junction
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CLCN2
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ATP1B4...
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TRPV6
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SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
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SLC46A1
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CYBRD1
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Porphyrin and chlorophyll metabolism
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FTH1
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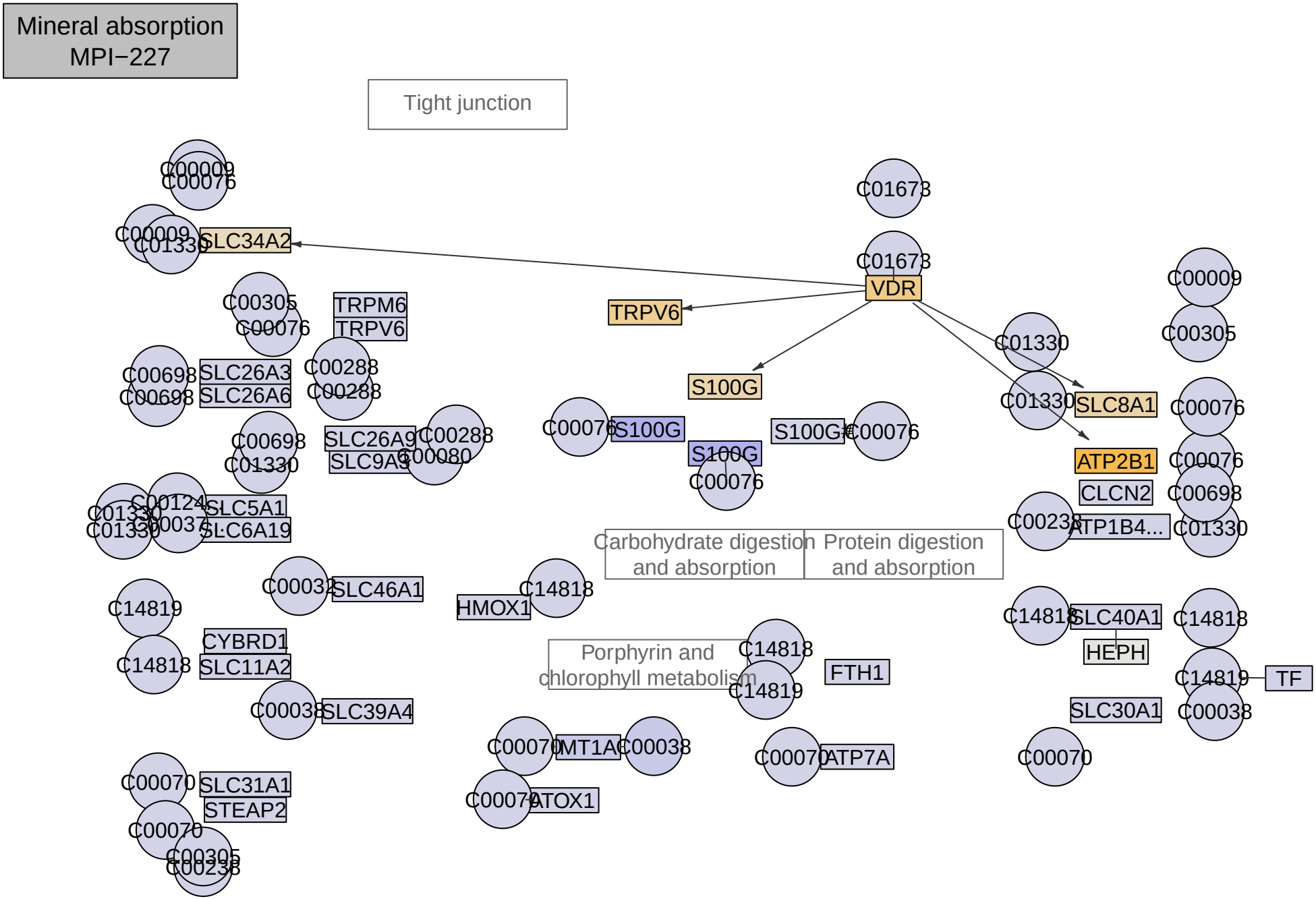
Mineral absorption
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TRPV6
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SLC9A3
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SLC6A19
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CYBRD1
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C01673
VDR
TRPV6
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Carbohydrate digestion and absorption
Protein digestion and absorption
Porphyrin and chlorophyll metabolism
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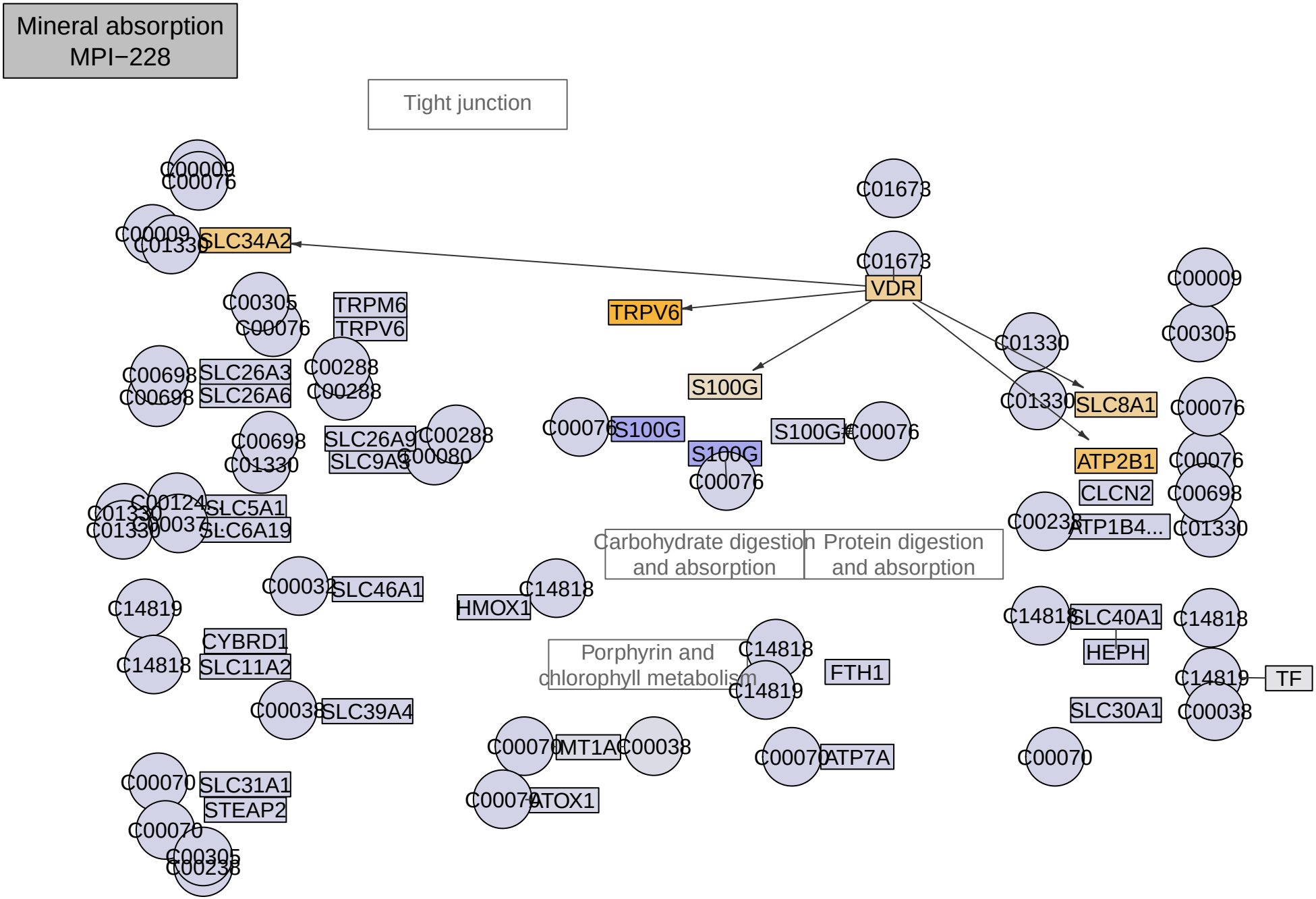
Mineral absorption
MPI−228
Tight junction
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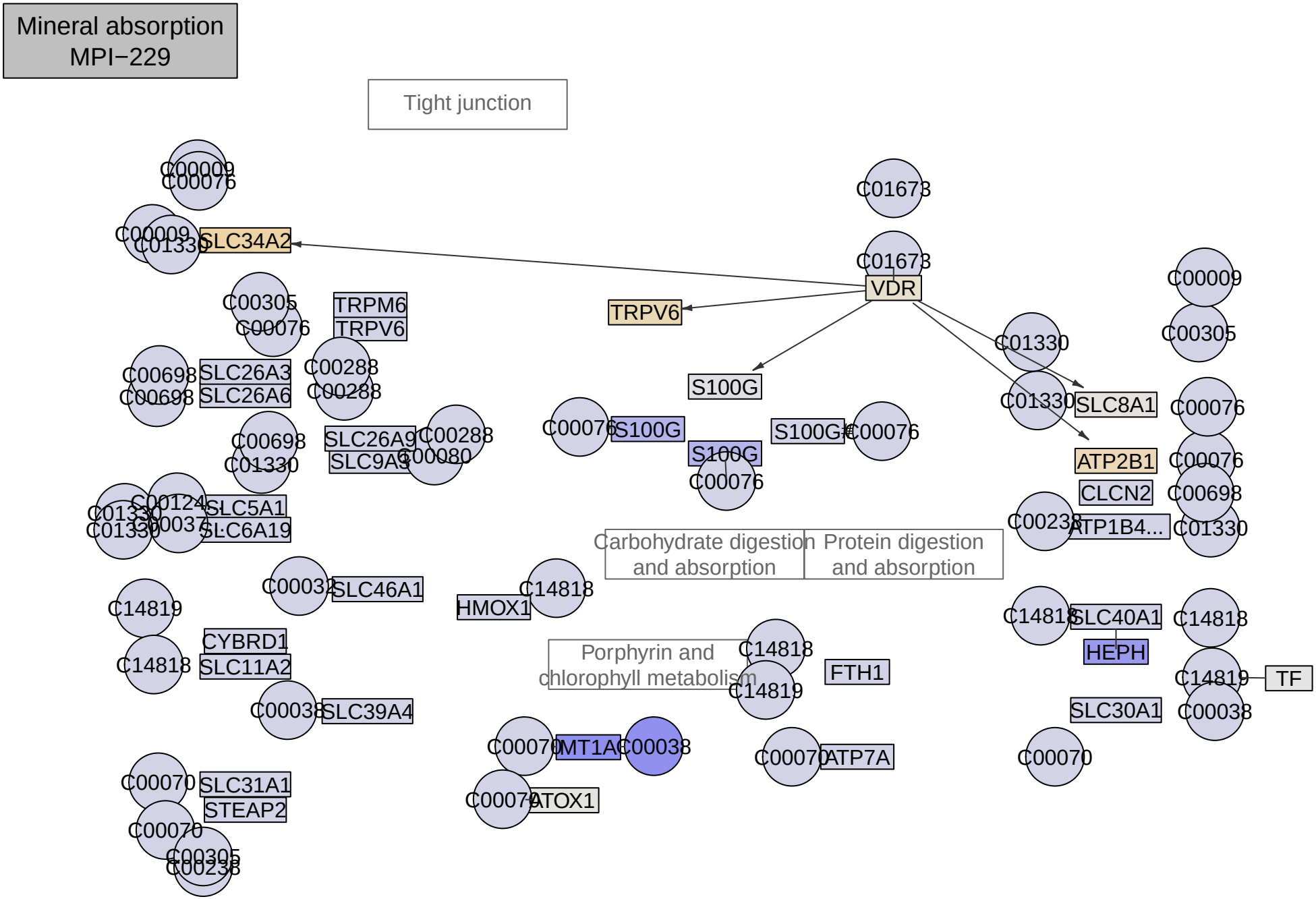
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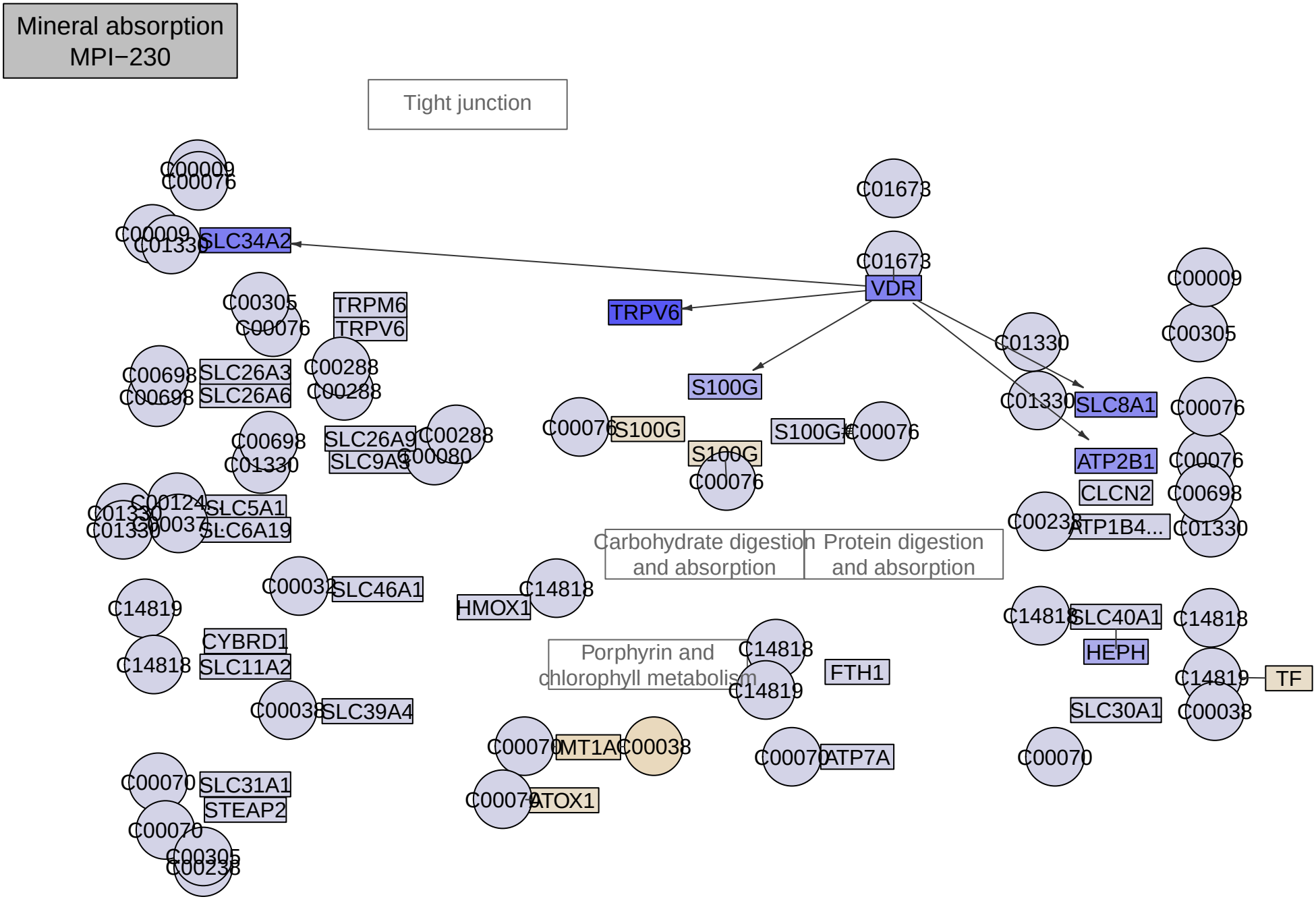
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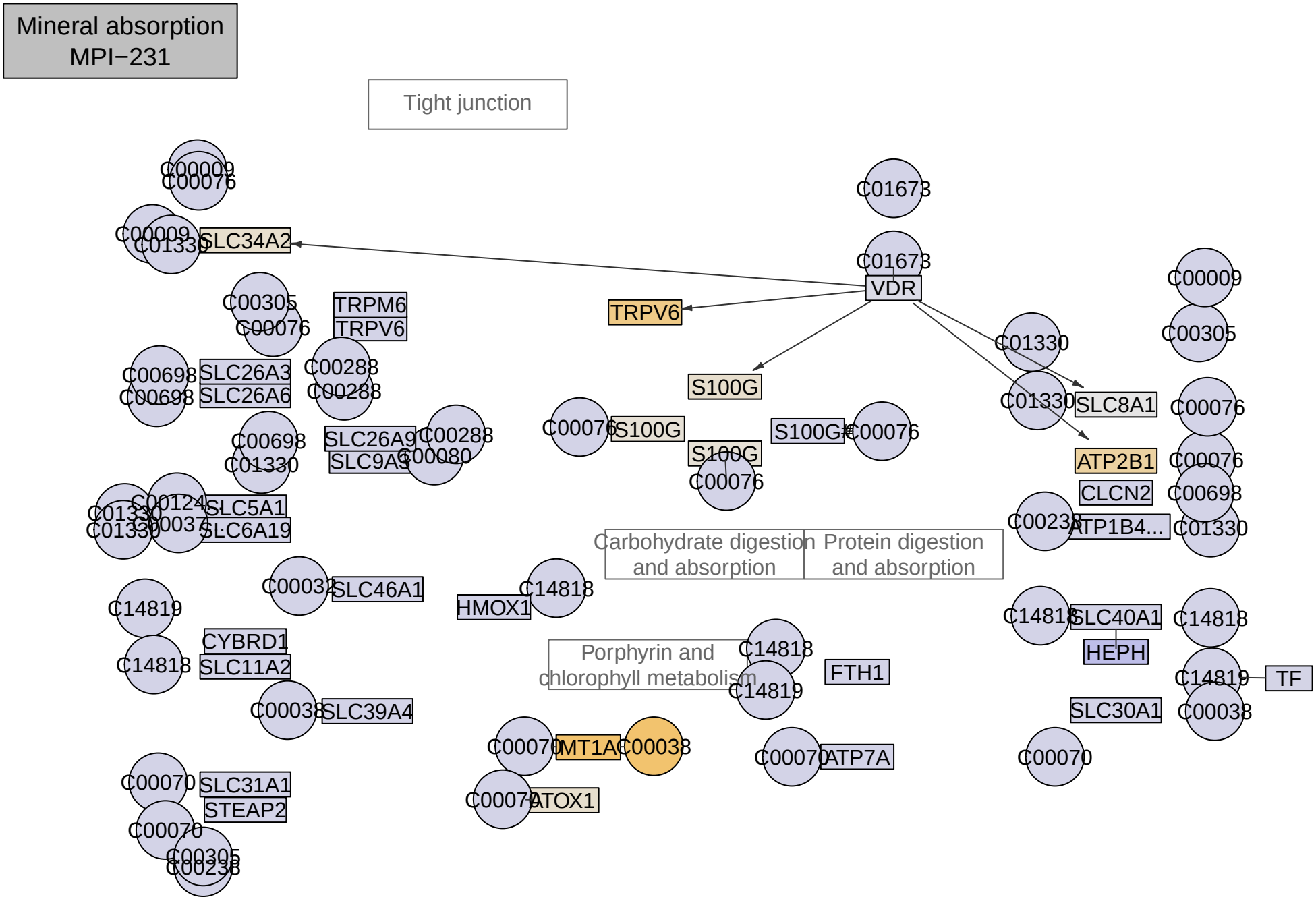
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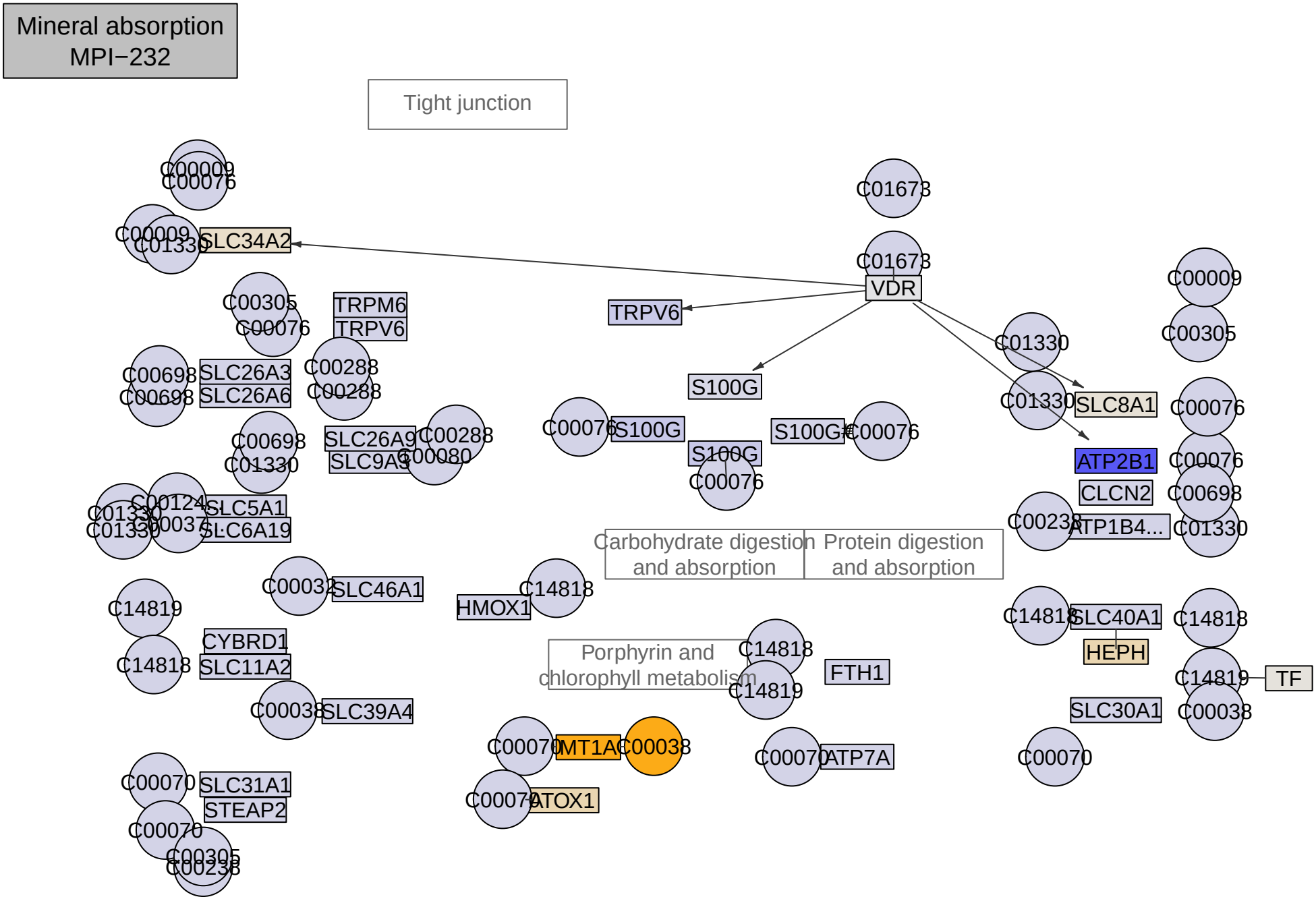
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Protein digestion and absorption
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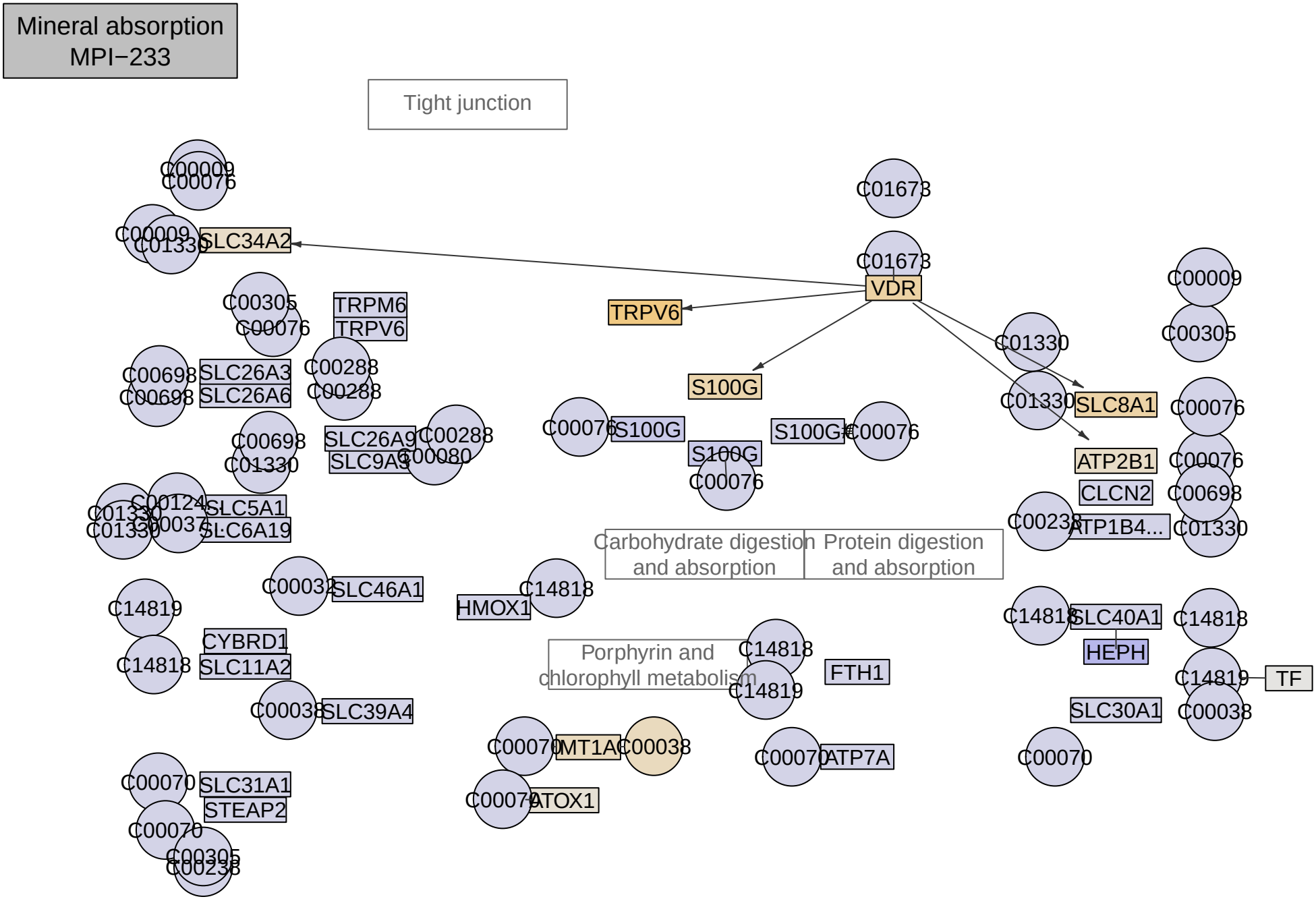
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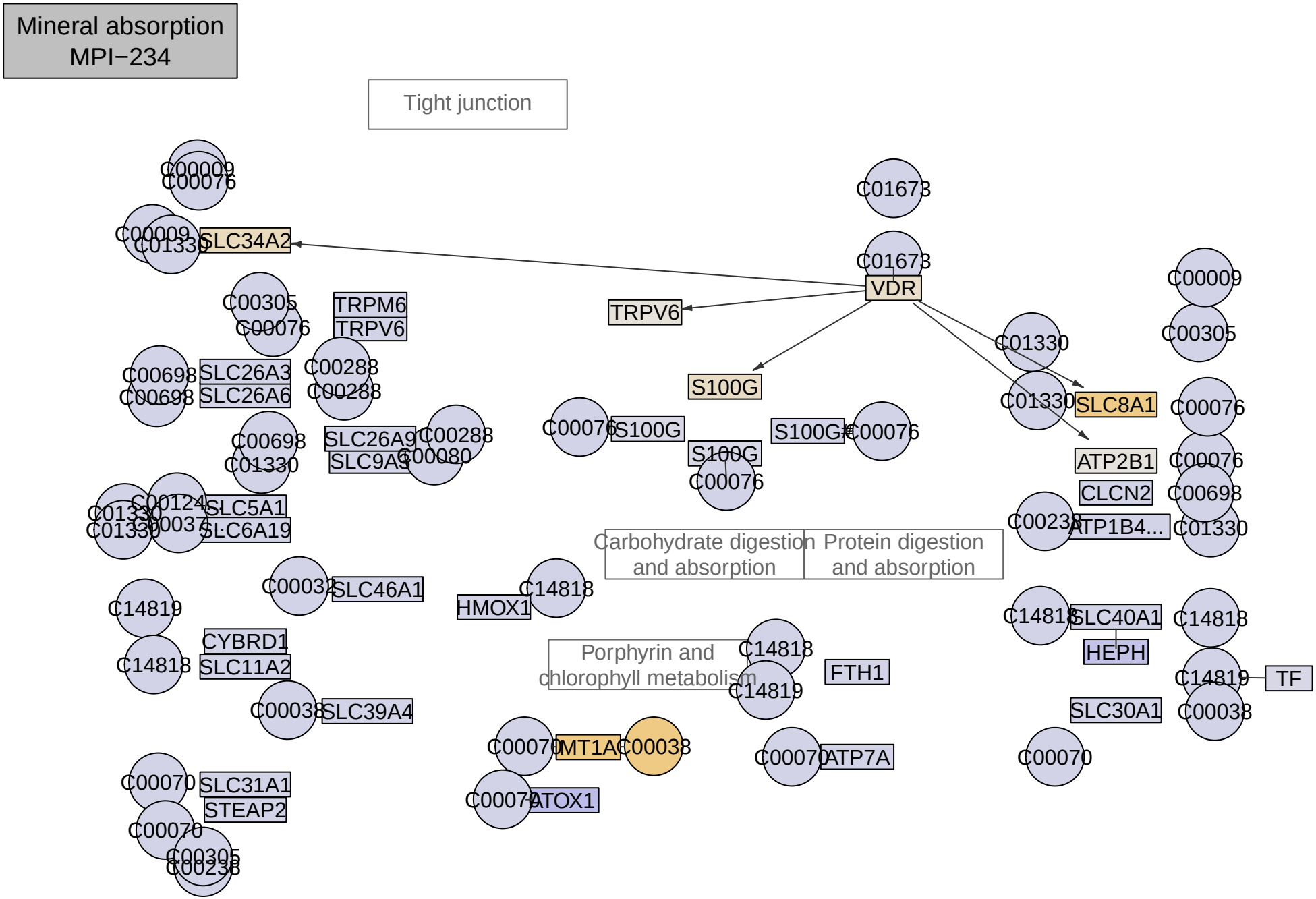
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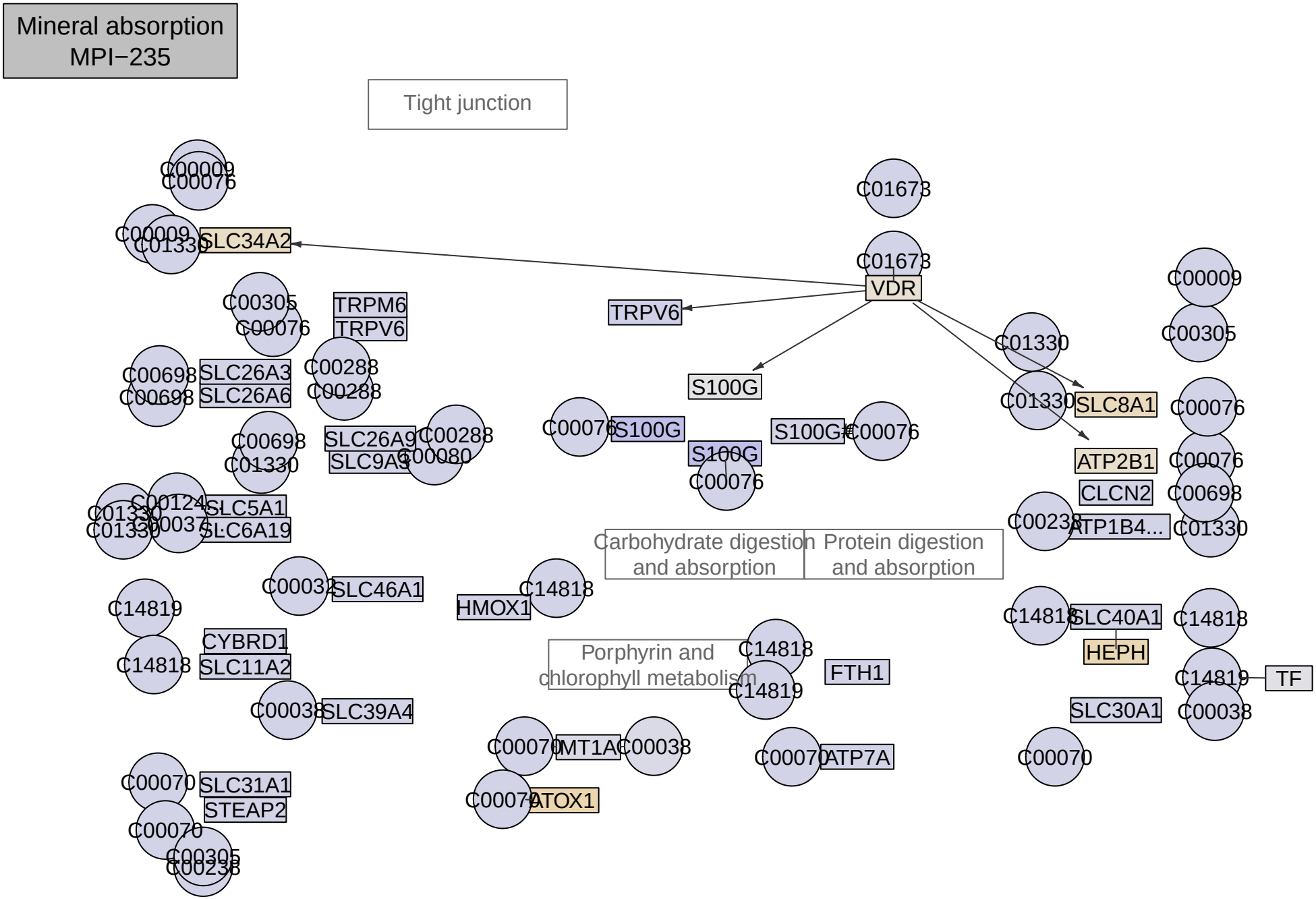
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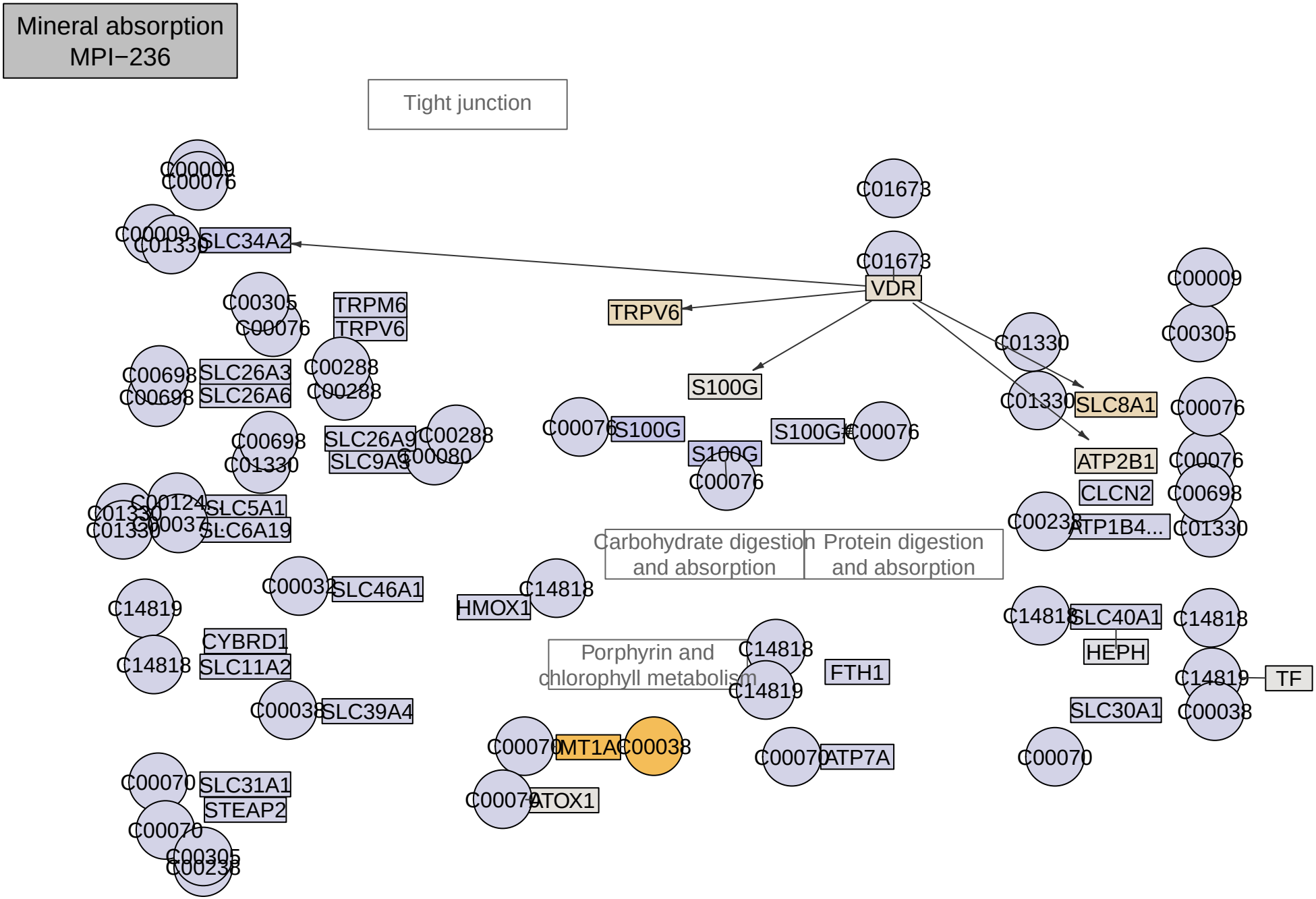
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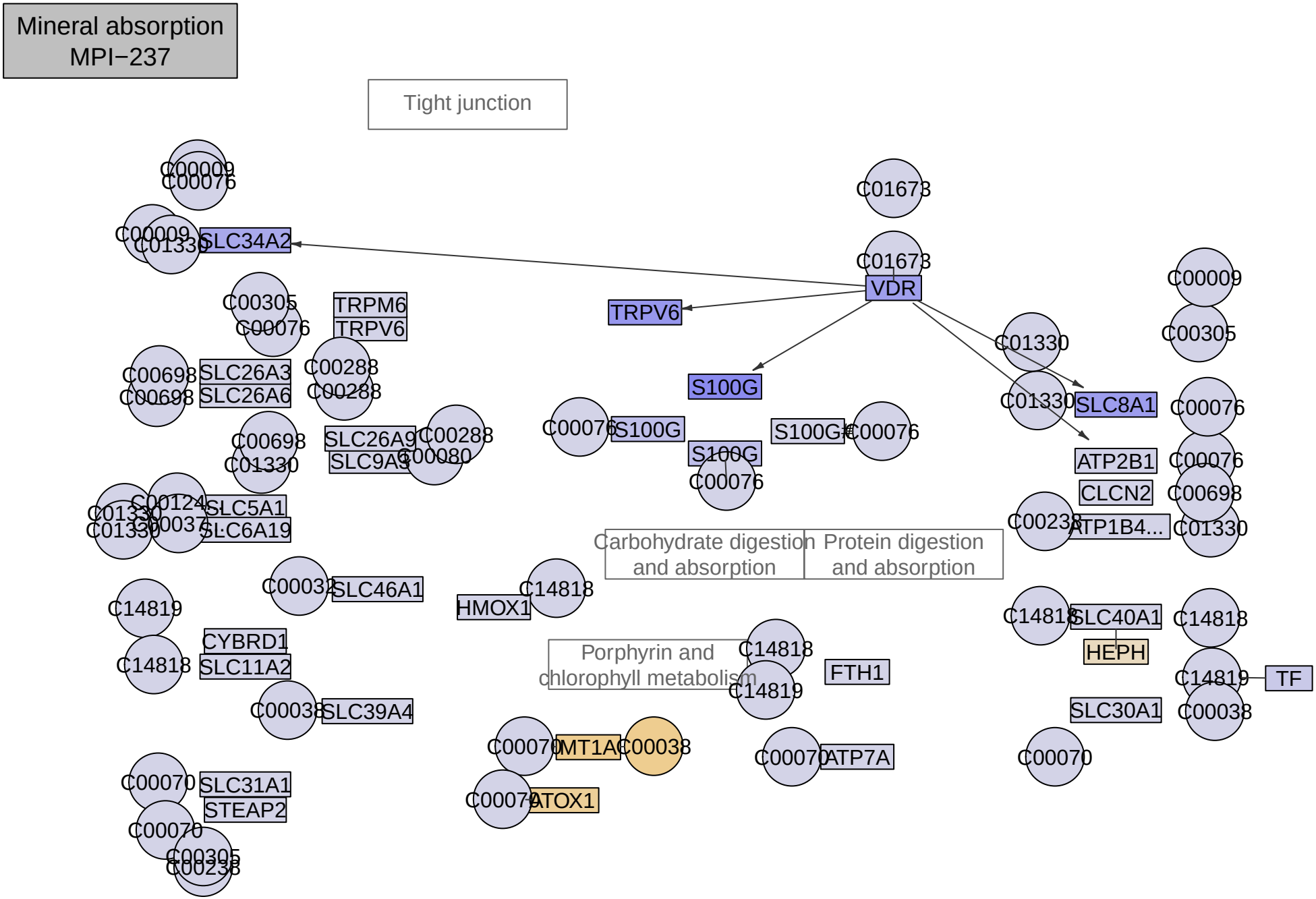
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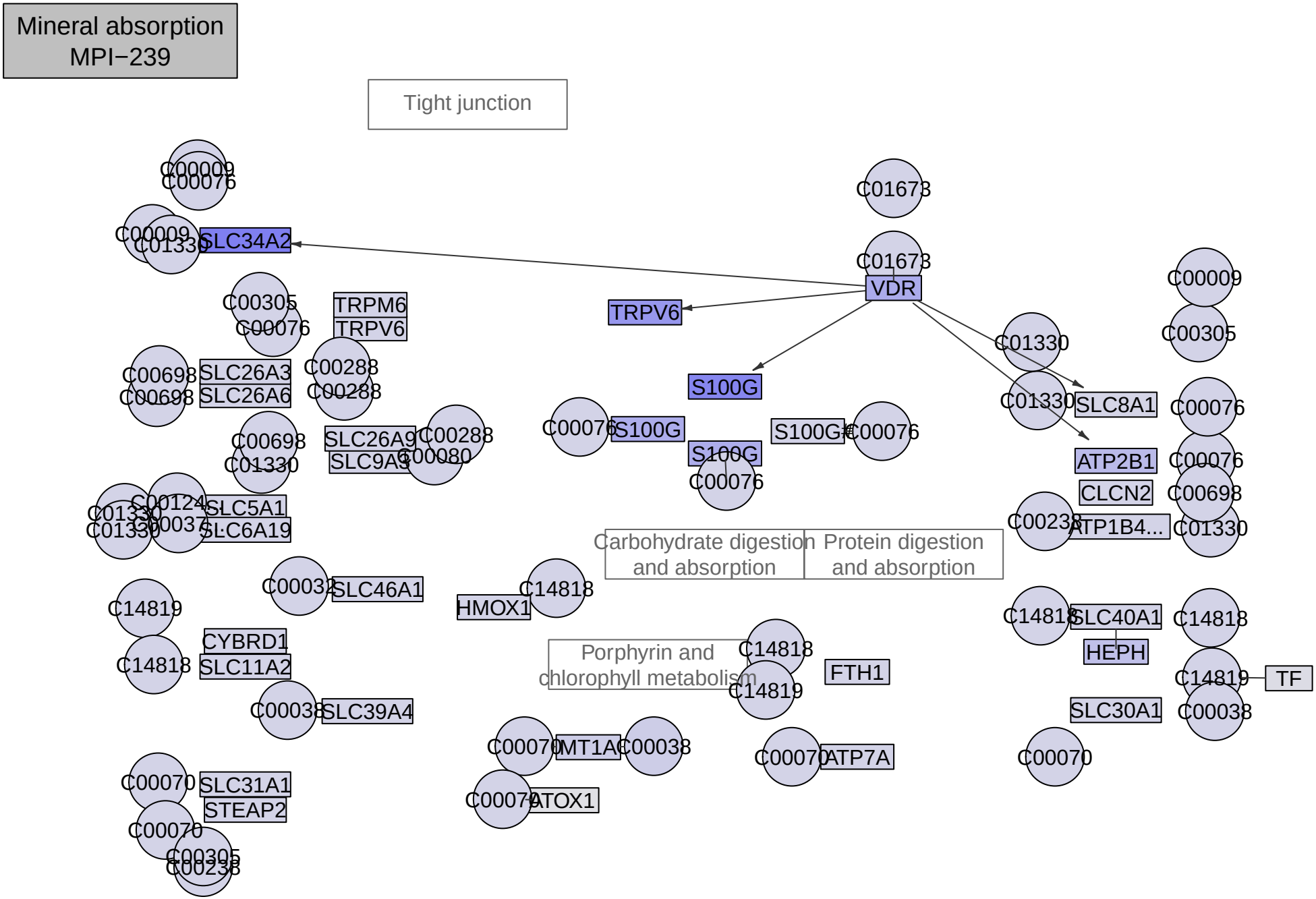
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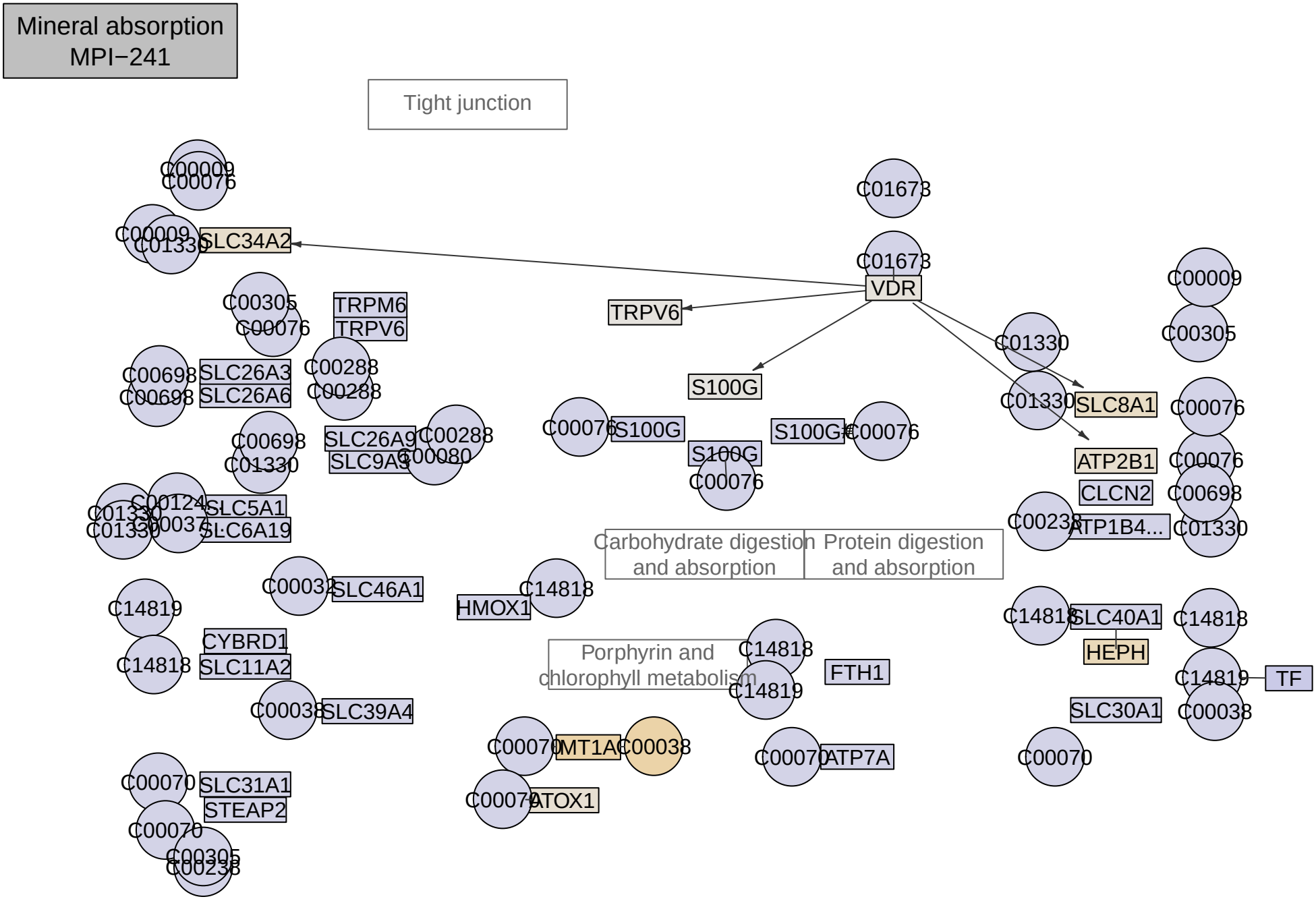
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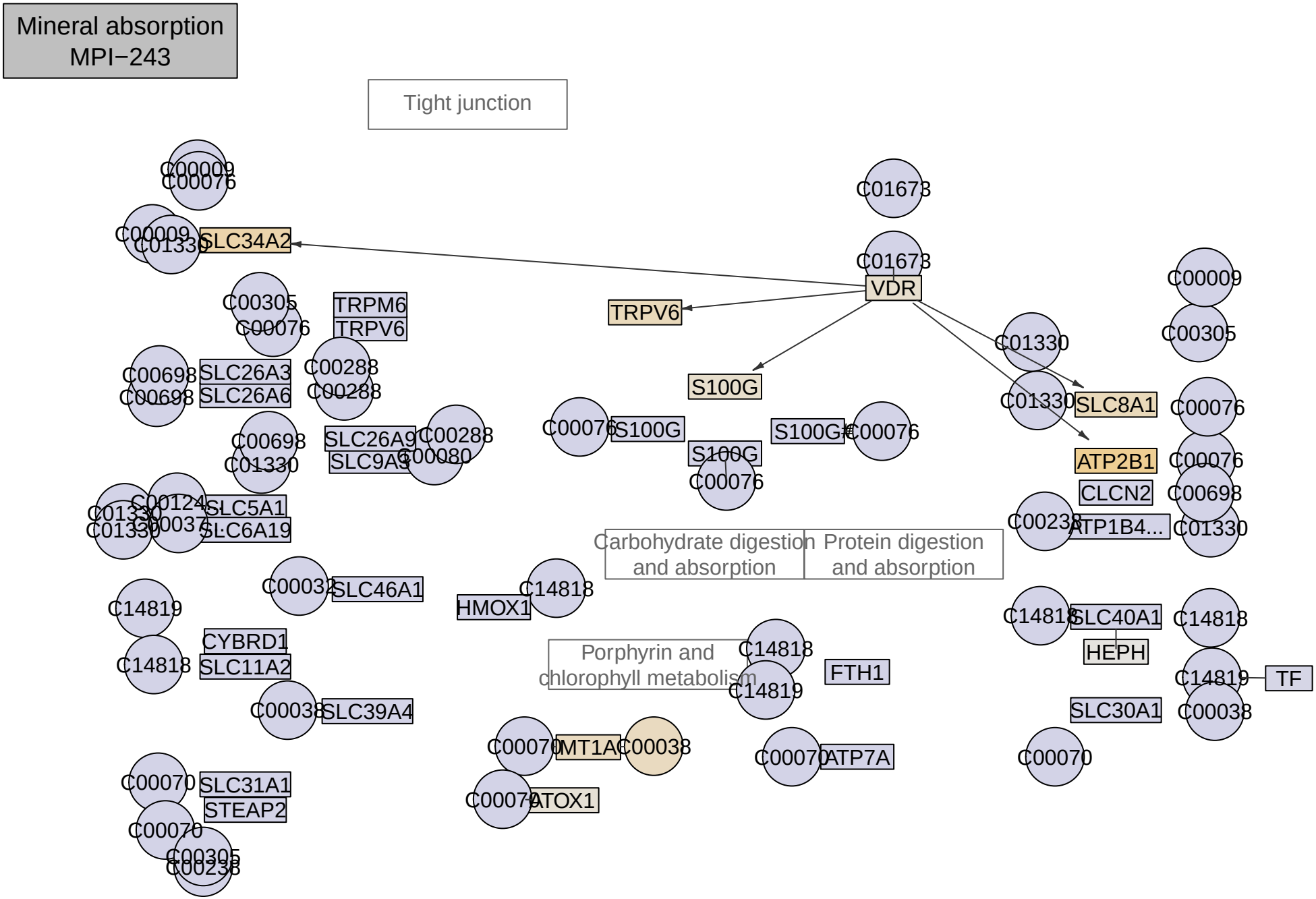
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Protein digestion and absorption
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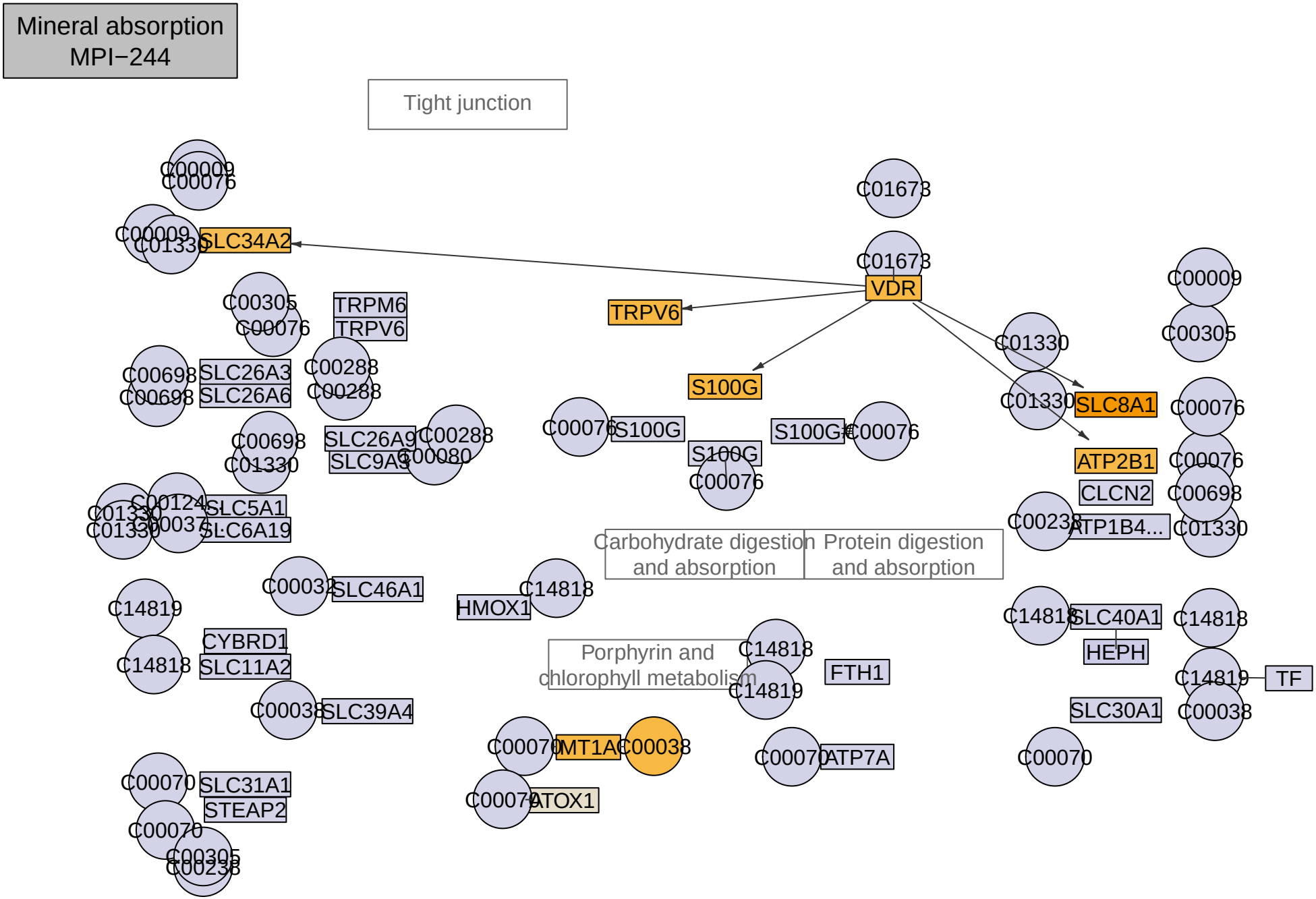
Mineral absorption
MPI−244
Tight junction
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C00076
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SLC34A2
C01673
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VDR
C00009
C00305
C00305
C00076
TRPM6
TRPV6
TRPV6
C01330
C00698
C00698
SLC26A3
SLC26A6
C00288
C00288
S100G
C01330
SLC8A1
C00076
C00698
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S100G
C00076
S100G
C00076
ATP2B1
C00076
CLCN2
C00698
C00124
C01330
C01330
SLC5A1
SLC6A19
C00037
C00238
ATP1B4...
C01330
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14818
HMOX1
C14819
C14818
SLC40A1
C14818
CYBRD1
SLC11A2
C14818
HEPH
Porphyrin and chlorophyll metabolism
C14818
C14819
FTH1
C14819
TF
C00038
SLC39A4
SLC30A1
C00038
C00070
MT1A
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STEAP2
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ATOX1
C00070
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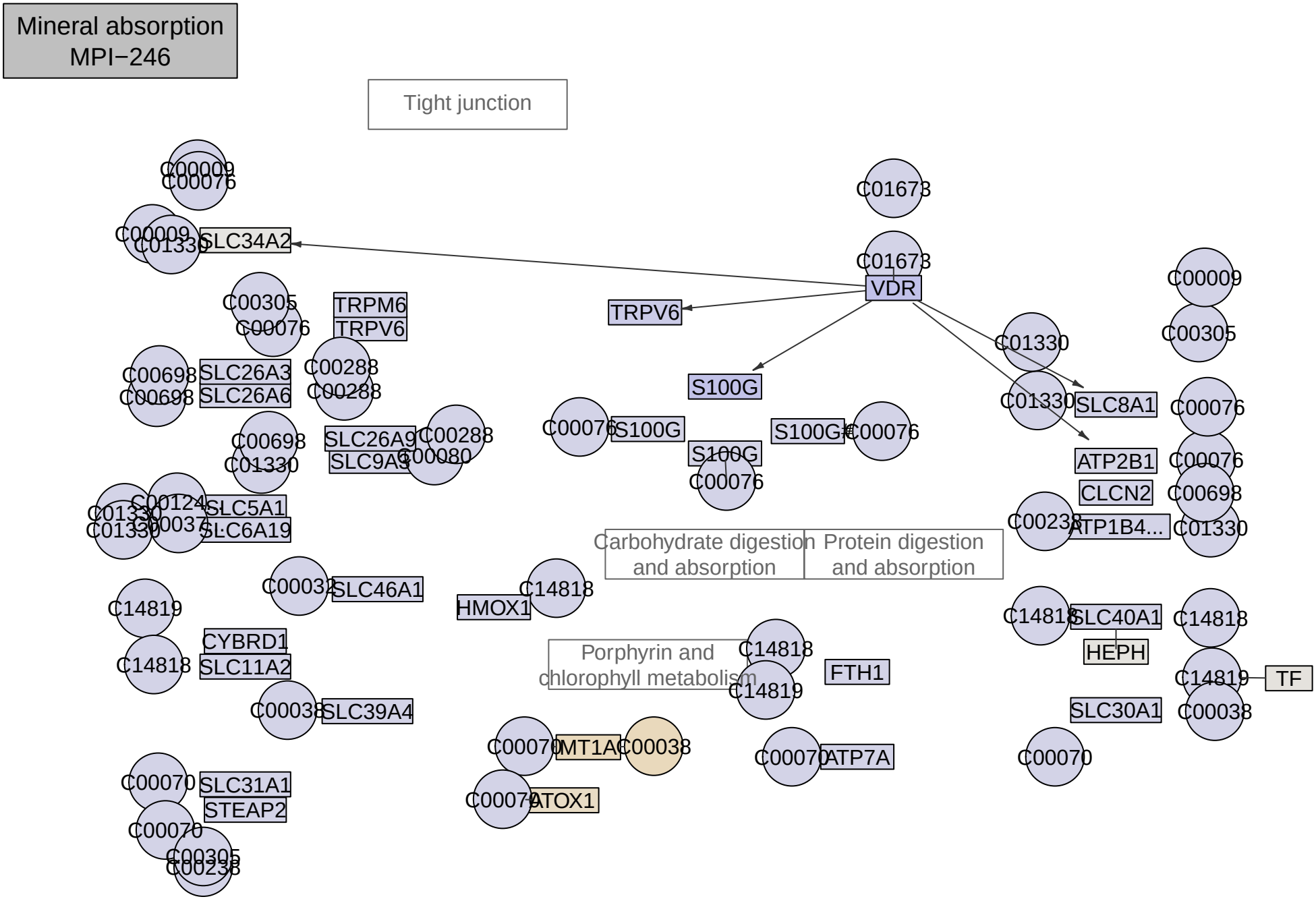
C00238


Mineral absorption
MPI−246
Tight junction
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C00009
C01330
SLC34A2
C01673
C01673
VDR
TRPV6
C00009
C00305
C01330
SLC8A1
C00076
ATP2B1
C00076
CLCN2
C00698
C00238
ATP1B4...
C01330
C00305
TRPM6
TRPV6
C00076
C00698
SLC26A3
C00698
SLC26A6
C00288
C00288
S100G
C00076
S100G
S100G
C00076
S100G
C00076
C00698
C01330
SLC26A9
SLC9A3
C00288
C00080
C00124
C01330
C01330
C00037
SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
C00038
SLC39A4
C14818
HMOX1
Porphyrin and chlorophyll metabolism
C14818
C14819
FTH1
C14818
SLC40A1
C14818
HEPH
C14819
TF
SLC30A1
C00038
C00070
SLC31A1
STEAP2
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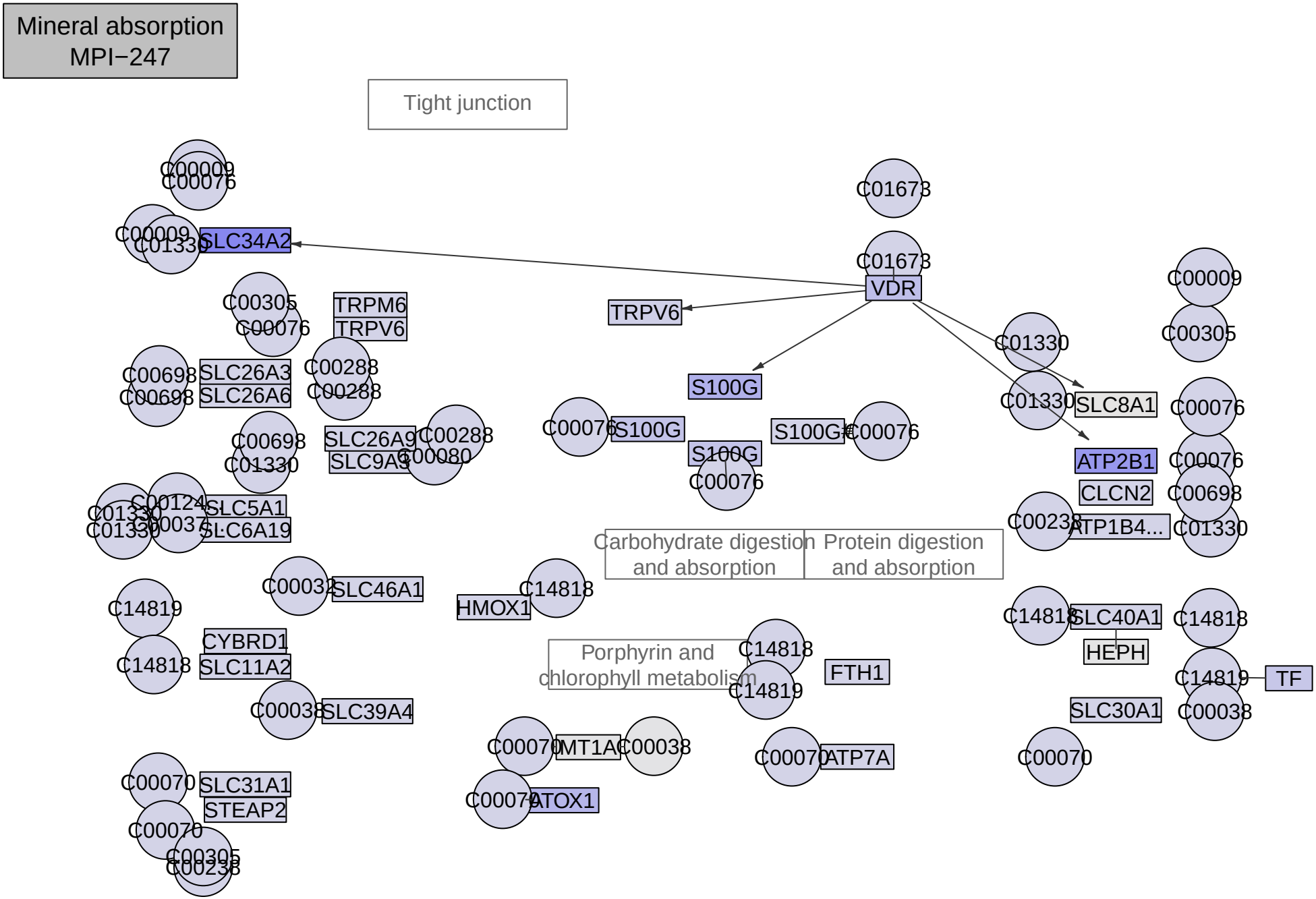
MT1A
C00038
C00070
ATOX1
C00070
ATP7A
C00070


Mineral absorption
MPI−247
Tight junction
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C00009
C01330
SLC34A2
C01673
C01673
VDR
TRPV6
C00009
C00305
C01330
SLC8A1
C00076
ATP2B1
C00076
CLCN2
C00698
C00238
ATP1B4...
C01330
C00305
TRPM6
TRPV6
C00076
C00698
SLC26A3
C00698
SLC26A6
C00288
C00288
S100G
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SLC26A9
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C00288
C00080
C00124
C01330
C01330
C00037
SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14819
CYBRD1
C14818
SLC11A2
C00038
SLC39A4
C14818
HMOX1
Porphyrin and chlorophyll metabolism
C14818
C14819
FTH1
C14818
SLC40A1
C14818
HEPH
C14819
TF
SLC30A1
C00038
C00070
SLC31A1
STEAP2
C00070
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MT1A
C00038
C00070
ATOX1
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ATP7A
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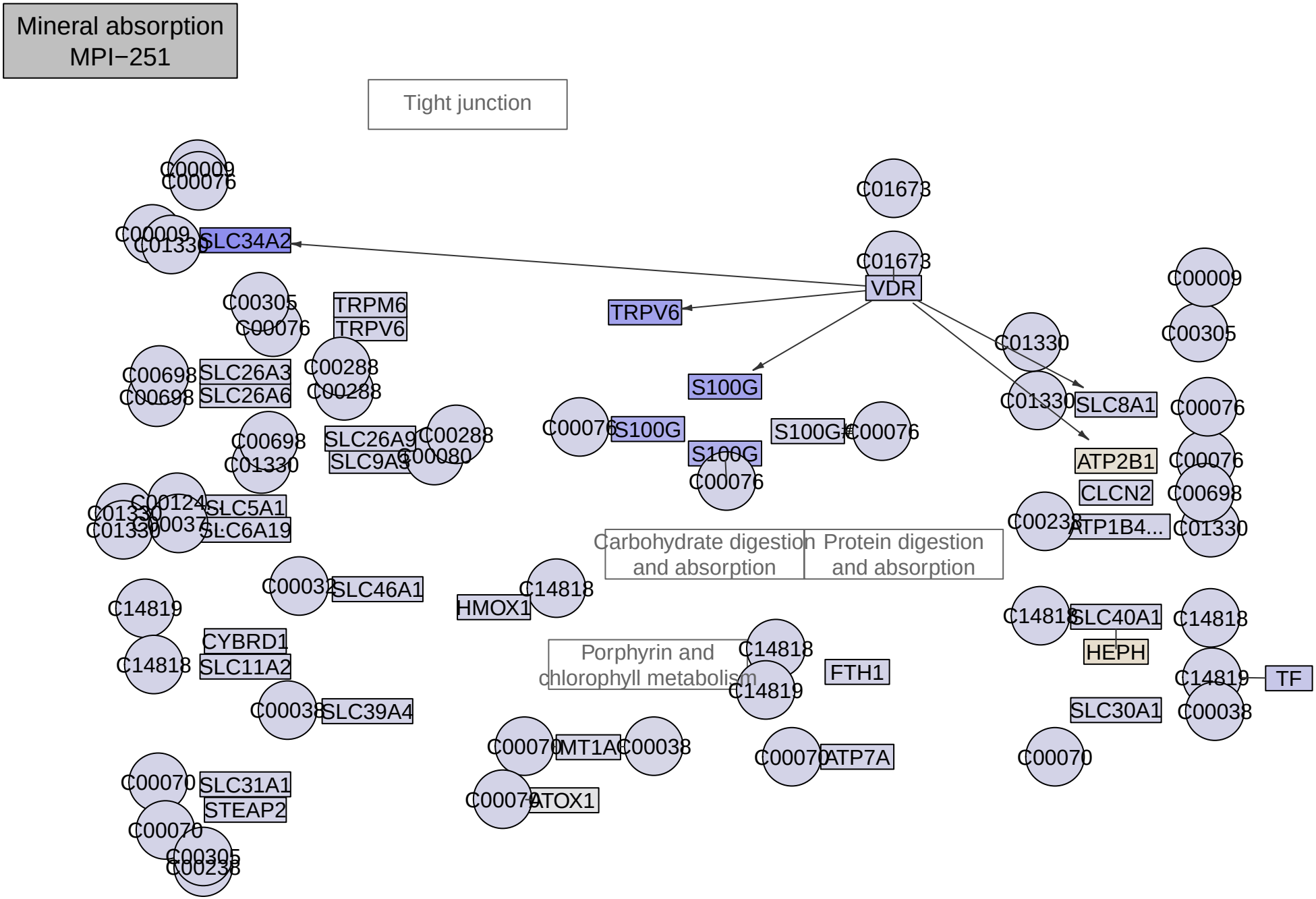
Mineral absorption
MPI−251
Tight junction
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SLC34A2
C01673
C01673
VDR
TRPV6
C00009
C00305
C01330
C01330
SLC8A1
C00076
ATP2B1
C00076
CLCN2
C00698
C00238
ATP1B4...
C01330
C00305
C00076
TRPM6
TRPV6
C00698
C00698
SLC26A3
SLC26A6
C00288
C00288
S100G
C00076
S100G
S100G
S100G
C00076
C00698
C01330
SLC26A9
SLC9A3
C00288
C00080
C00076
C00124
C01330
C01330
C00037
SLC5A1
SLC6A19
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14818
HMOX1
C14819
C14818
C14818
SLC40A1
C14818
HEPH
CYBRD1
C14818
SLC11A2
Porphyrin and chlorophyll metabolism
C14818
C14819
FTH1
C14819
TF
C00038
SLC39A4
SLC30A1
C00038
C00070
MT1A
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ATP7A
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SLC31A1
STEAP2
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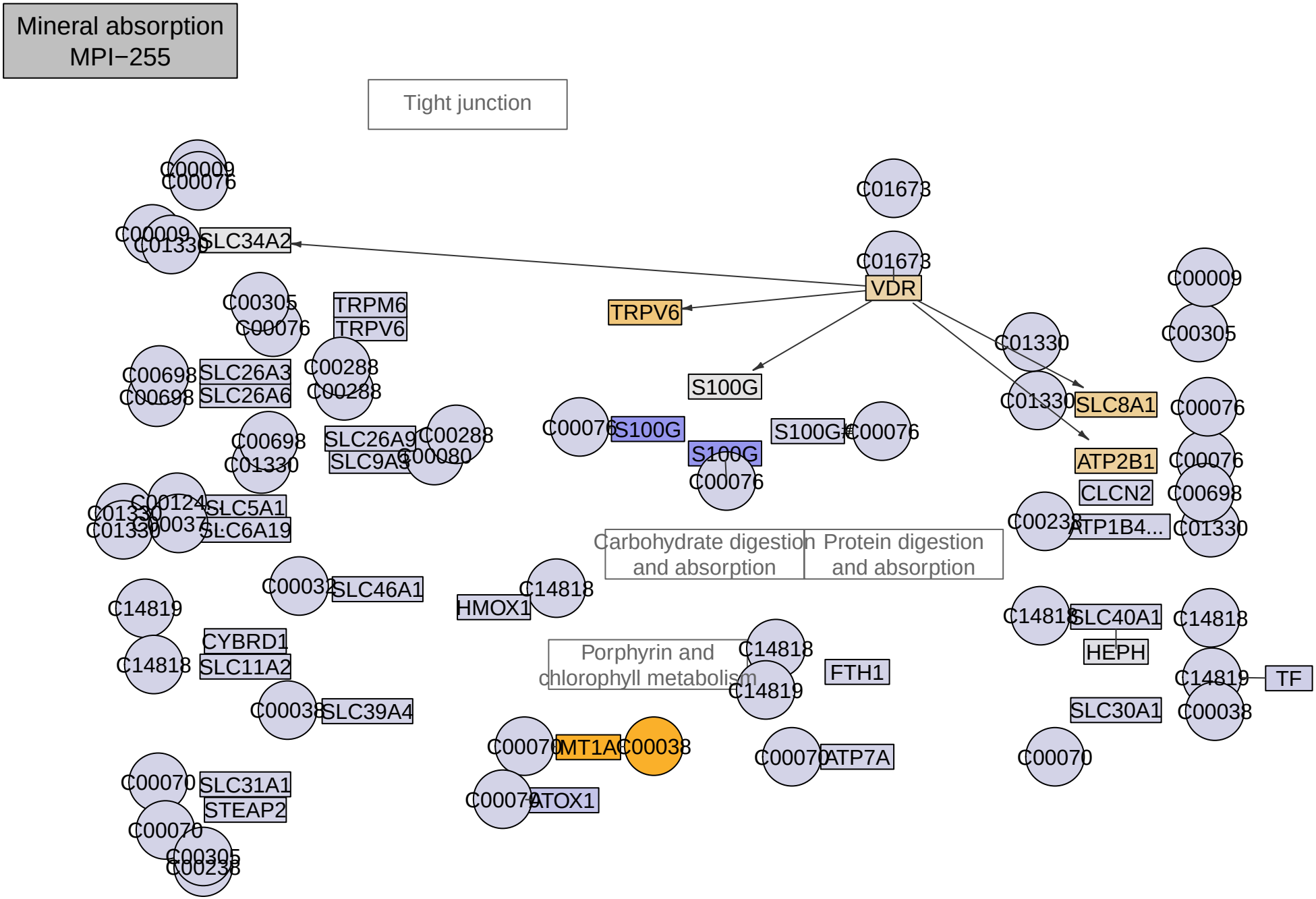
ATOX1
C00305
C00238


Mineral absorption
MPI−255
Tight junction
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C01330
SLC34A2
C00305
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TRPM6
TRPV6
C00698
C00698
SLC26A3
SLC26A6
C00288
C00288
C00698
C01330
SLC26A9
SLC9A3
C00288
C00080
C00124
C01330
C01330
C00037
SLC5A1
SLC6A19
C00038
SLC46A1
C14819
C14818
HMOX1
CYBRD1
C14818
SLC11A2
C00038
SLC39A4
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SLC31A1
STEAP2
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C01673
C01673
VDR
TRPV6
S100G
C00076
S100G
S100G
S100G
C00076
C00076
Carbohydrate digestion and absorption
Protein digestion and absorption
C14818
Porphyrin and chlorophyll metabolism
C14818
FTH1
C14819
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MT1A
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ATOX1
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ATP7A
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ATP2B1
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CLCN2
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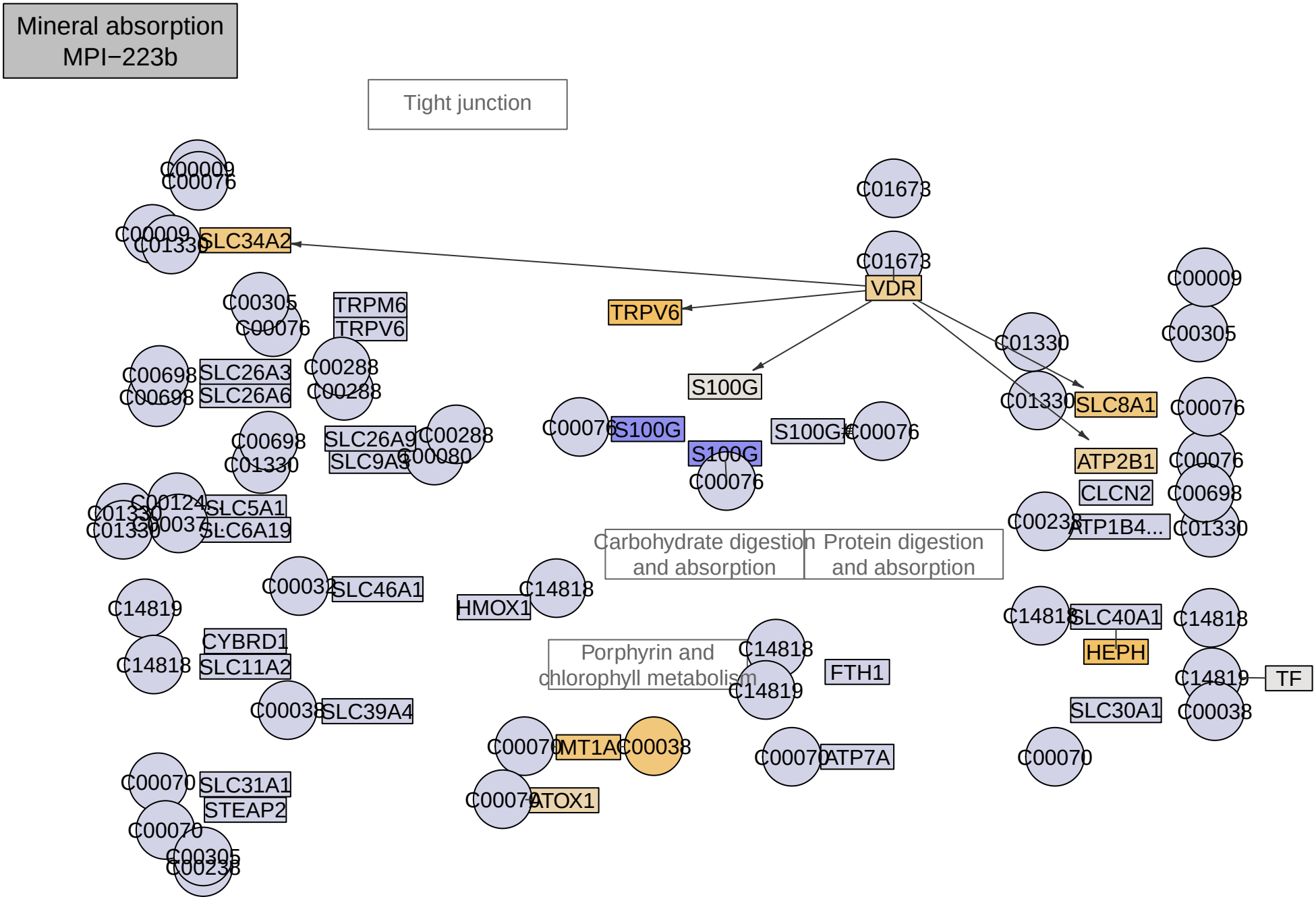
Mineral absorption
MPI−223b
Tight junction
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C01673
VDR
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C00305
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TRPM6
TRPV6
TRPV6
C01330
C00698
C00698
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SLC26A6
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SLC8A1
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S100G
S100G
S100G
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SLC5A1
SLC6A19
CLCN2
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ATP1B4...
C01330
Carbohydrate digestion and absorption
Protein digestion and absorption
C00038
SLC46A1
C14819
HMOX1
C14818
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SLC40A1
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CYBRD1
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SLC11A2
Porphyrin and chlorophyll metabolism
C14818
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SLC30A1
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MT1A
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C00070
ATP7A
C00070
C00070
SLC31A1
STEAP2
C00070
ATOX1
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