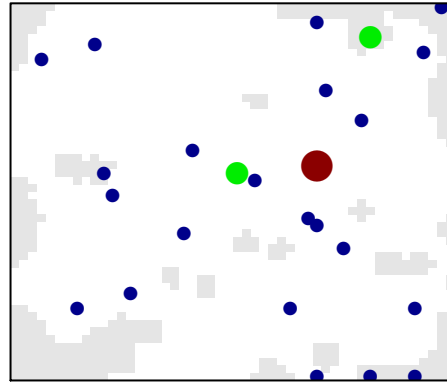


# Vitamin digestion and absorption

all genes



maximum = 3

Vitamin digestion and absorption (genes with data)

Tight junction

Folate biosynthesis  
Biotin metabolism  
Taurine metabolism

C05552 C00068 C05776

Vitamin B6 metabolism  
C00072 C00061 C00016 C000647

C00003 C00010  
C00003 C00010  
BTD  
C00255 C00378 C0025634  
GIF  
GIF  
GIF

FOLH1

Riboflavin metabolism  
C00120 C00864 C01330 C01330 C01330 C01330

Pantothenate and CoA biosynthesis  
C001330 C00079

Nicotinate and nicotinamide metabolism  
C00153 C00504 C00080 C00504 C00504

SLC23A1  
SLC46A1  
SLC19A1

Fat digestion and absorption

C02075 C05413 C022059 C00828 C05377 C02094 C02477

C00162 C02112... C00473... C00681 C01558 C00187 C00473

PNLIP  
PLB1

SCARB1

AWAT2

LRAT

APOA1

Bile secretion

Retinol metabolism

SCARB1

C00376 C00473

FBP2

CUBN

GIF

GIF

MMACHC

C05776

CUBN

C05776

C05776

MBRD1

C05776

BCC1

CUBN

CUBN

TCN2

C05776 Endocytosis Lysosome

TCN2

C05776

C00018

C00378

C00255

C00120

C00864

C00072

C00153

C00504

C00153

C00504

APOB

C00422

APOA4

C02075

C02530

APOB

C00422

APOA4

C02075

C02530

APOB

C00422

APOA4

C02075

C02530

APOA1

APOA1



Vitamin digestion  
and absorption  
mBL

Tight junction

Folate biosynthesis

Biotin metabolism

Thiamine metabolism

Vitamin B6 metabolism

C00072 C00016 C000647

C00003 C00010 C000534

BTD

GIF

CUBN

CUBN

GIF

GIF

MMACHC

C05776

MBRD1

C05776

BCC1

GIF

CUBN

C05776

Endocytosis Lysosome

TCN2

TCN2

FOLH1

C00255

Riboflavin metabolism

C00120

C00864

Pantothenate and CoA biosynthesis

C01380

C00079

SLC23A1

Nicotinate and nicotinamide metabolism

C00504

C00080

C00504

SLC46A1

SLC19A1

Fat digestion and absorption

C02075 C05413 C022059

C00162

C02094

C00828

C05377

C02112...

C00473

C02477

PNLIP

PLB1

SCARB1

C02477

APOB

C00422

APOA4

C02075

C02530

APOB

C00422

APOA4

C02075

C02530

APOB

C00422

APOA4

C02075

C02530

Bile secretion

Retinol metabolism

C01558

C00187

C00473

C02094

SCARB1

C00376

C00473

LRAT

FBP2

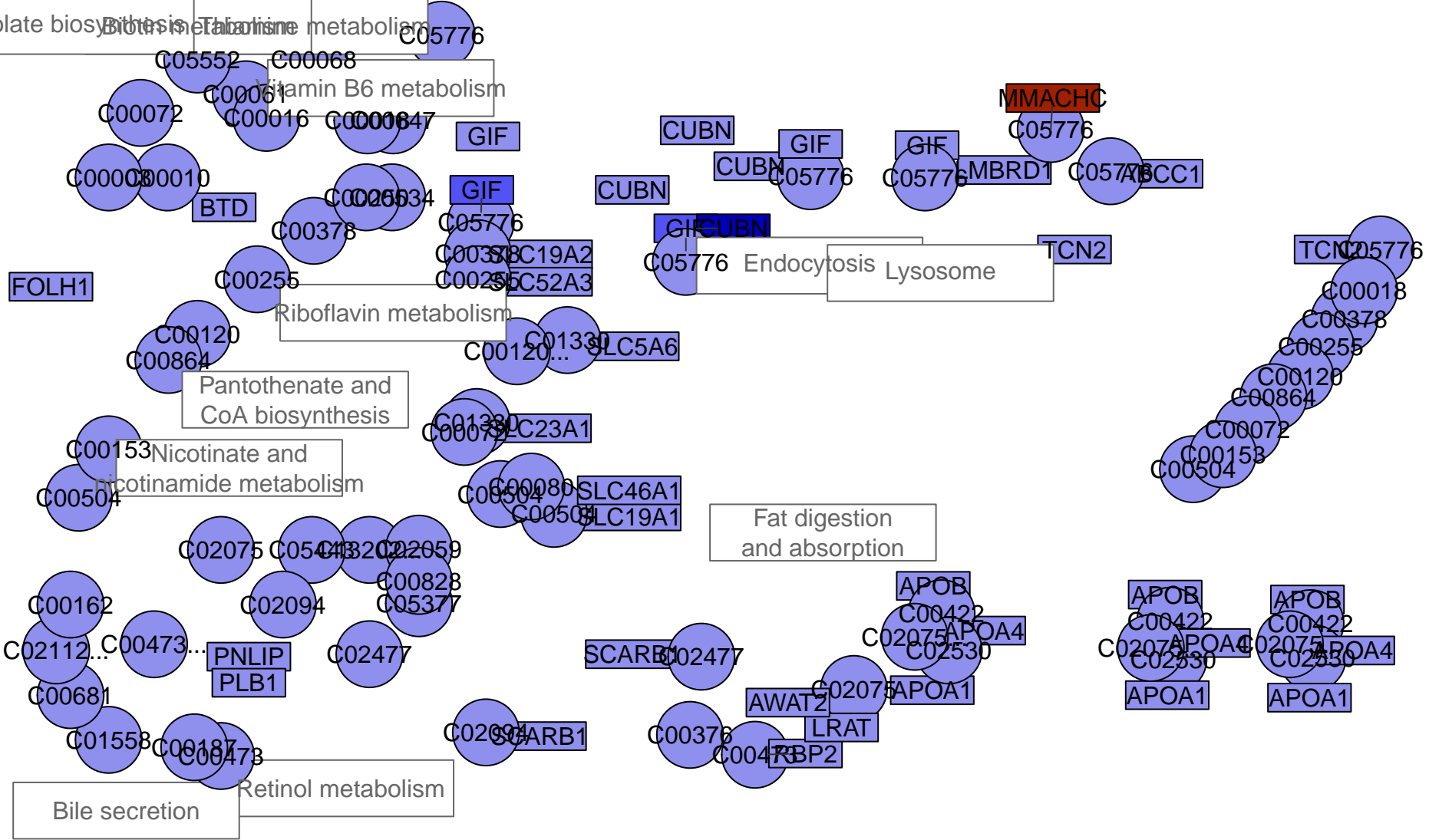
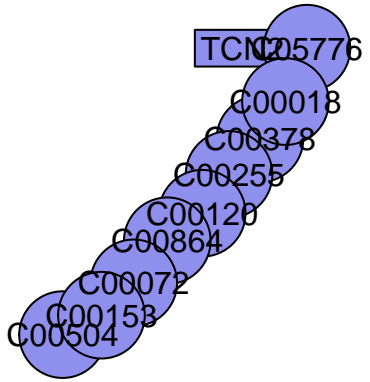
AWAT2

C02075

APOA1

APOA1

APOA1



Vitamin digestion and absorption intermediate

Tight junction

Folate biosynthesis

Biotin metabolism

Taurine metabolism

Vitamin B6 metabolism

C00072 C00061 C00016 C000647

C00003 C00010 GIF

C00003 C00010 BTD C0025534 GIF

C00378 C05776 C00378 C19A2

C00255 C00255 C52A3

Riboflavin metabolism

C00120 C00864 C00120... SLC5A6

C00120 C00864

Pantothenate and CoA biosynthesis

C00138 C00079 SLC23A1

Nicotinate and nicotinamide metabolism

C00153 C00504 C00080 SLC46A1 C00504 SLC19A1

C02075 C05413 C022059 C00828 C05377

C00162 C02094 C02477

C02112... C00473... PNLIP PLB1

C00681 C02477

C01558 C00187 C00473

Retinol metabolism

C02094 SCARB1

C00378 C00473 BFP2

Bile secretion

CUBN GIF

CUBN GIF C05776

CUBN GIF C05776

CUBN GIF CUBN

C05776 Endocytosis Lysosome

C05776

TCN2

TCN2 C05776

C00018 C00378 C00255 C00120 C00864

C00072 C00153 C00504

Fat digestion and absorption

SCARB1 C02477

C00378 C00473 BFP2

AWAT2 C02075 APOA1

LRAT

APOB C00422 C02075 APOA4 C02530

APOA1

APOB C00422 C02075 APOA4 C02530

APOA1

APOB C00422 C02075 APOA4 C02530

APOA1

MMACHC

C05776

C05776 MBRD1 C05776

C05776

TCN2

TCN2 C05776

C00018 C00378 C00255 C00120 C00864

C00072 C00153 C00504

APOB C00422 C02075 APOA4 C02530

APOA1

APOB C00422 C02075 APOA4 C02530

APOA1

APOB C00422 C02075 APOA4 C02530

APOA1

APOB C00422 C02075 APOA4 C02530

APOA1

APOB C00422 C02075 APOA4 C02530

APOA1

APOB C00422 C02075 APOA4 C02530

APOA1

APOB C00422 C02075 APOA4 C02530

APOA1

TCN2 C05776

C00018 C00378 C00255 C00120 C00864

C00072 C00153 C00504

APOB C00422 C02075 APOA4 C02530

APOA1

APOB C00422 C02075 APOA4 C02530

APOA1

APOB C00422 C02075 APOA4 C02530

APOA1

APOB C00422 C02075 APOA4 C02530

APOA1

APOB C00422 C02075 APOA4 C02530

APOA1

APOB C00422 C02075 APOA4 C02530

APOA1

APOB C00422 C02075 APOA4 C02530

APOA1

APOB C00422 C02075 APOA4 C02530

APOA1

