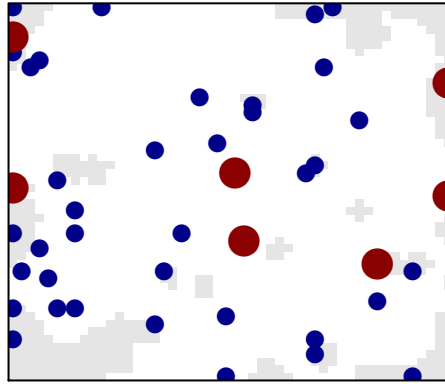


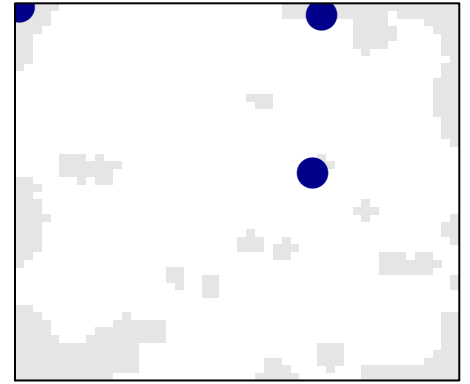
Carbohydrate digestion and absorpti

all genes

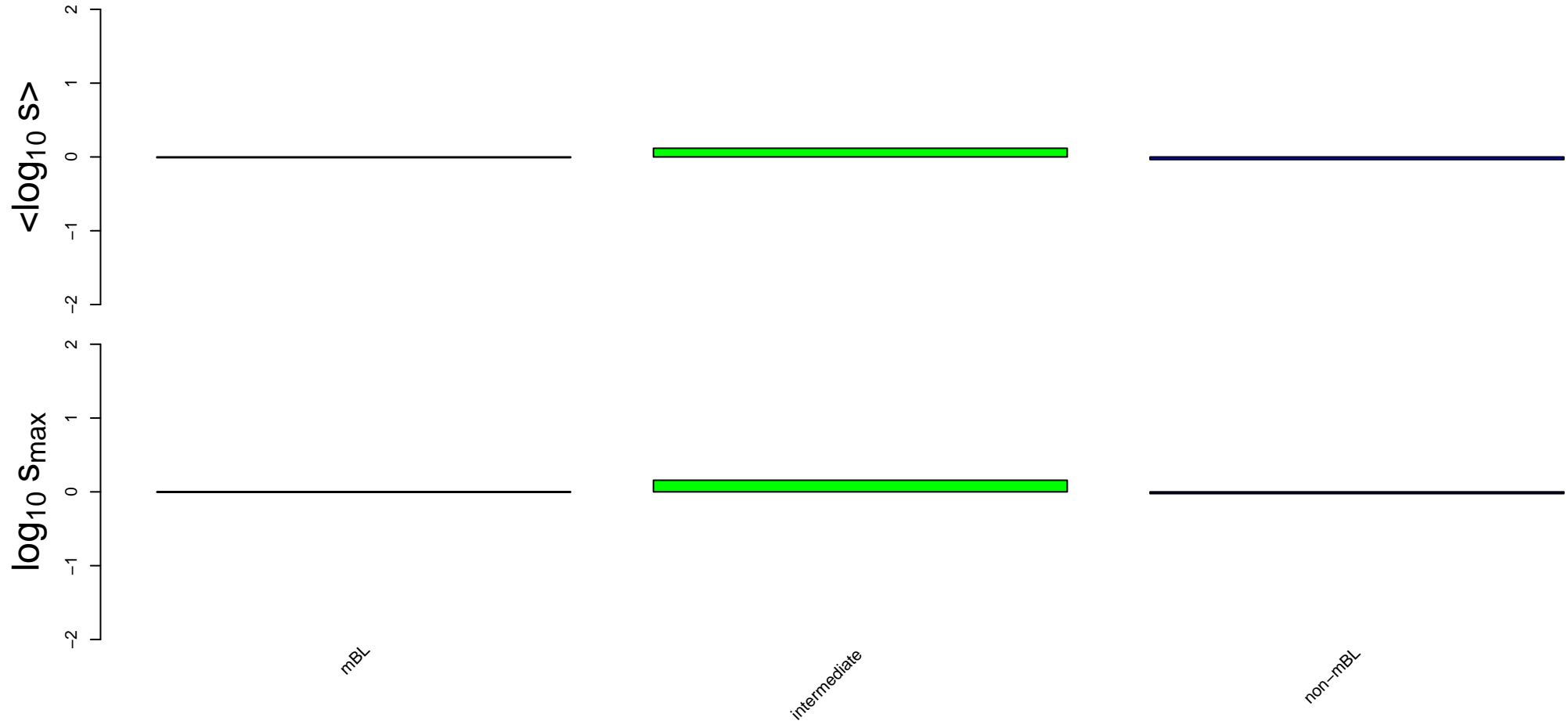


maximum = 2

sink node genes



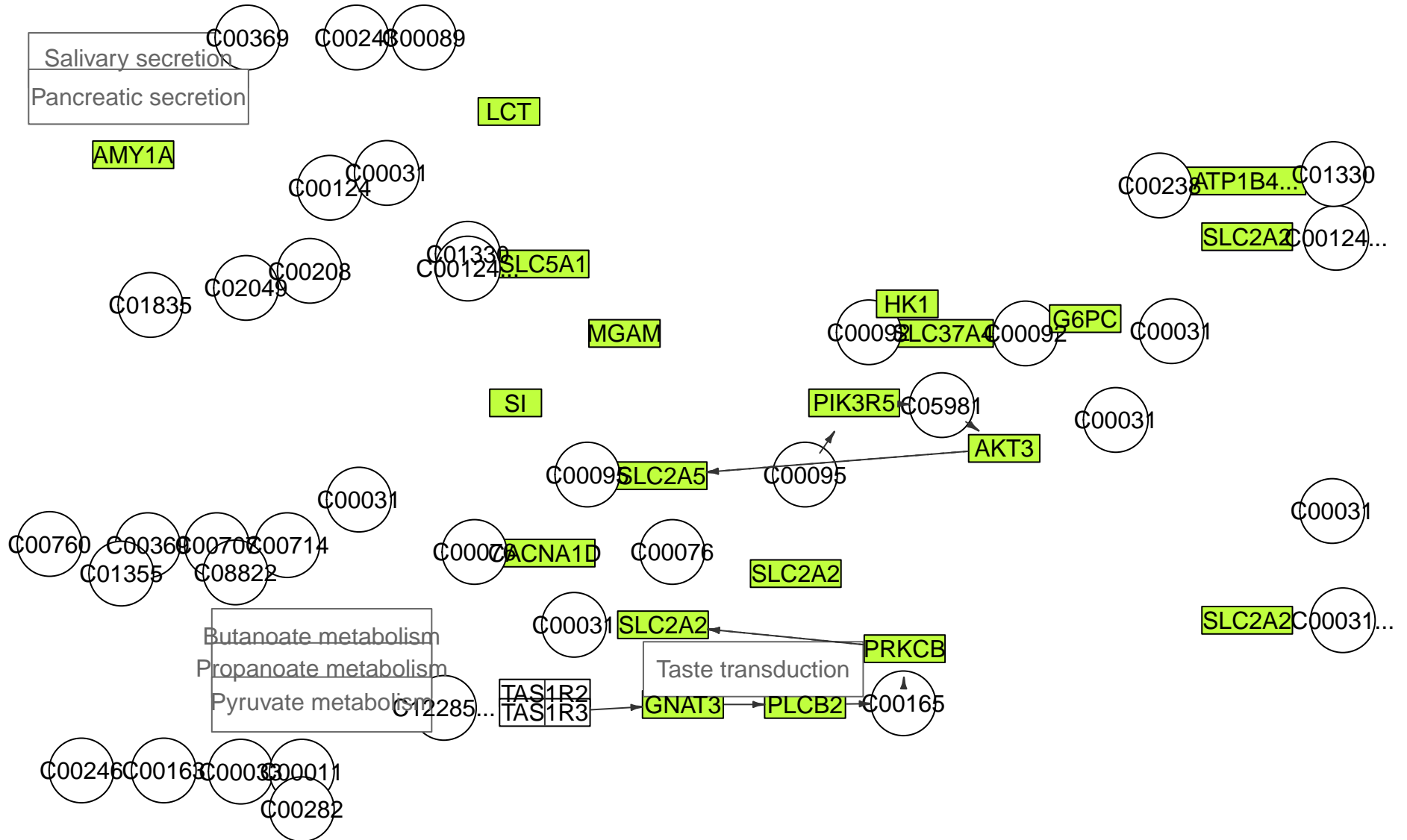
maximum = 1



Carbohydrate digestion
and absorption
(genes with data)

Tight junction

Salivary secretion
Pancreatic secretion



Carbohydrate digestion
and absorption
(sink nodes)

Tight junction

Salivary secretion
Pancreatic secretion

LCT

AMY1A

ATP1B4...
SLC2A2...
C01330
C00124...

C01835 C02049 C00208 C01330
C00124 SLC5A1
MGAM

HK1
C00095 SLC37A4 C00092 G6PC C00031

SI

PIK3R5 C05981
AKT3 C00031

C00095 SLC2A5 C00095

C00760 C00369 C00700 C00714
C01355 C08822 C00031

C00076 ACNA1D C00076

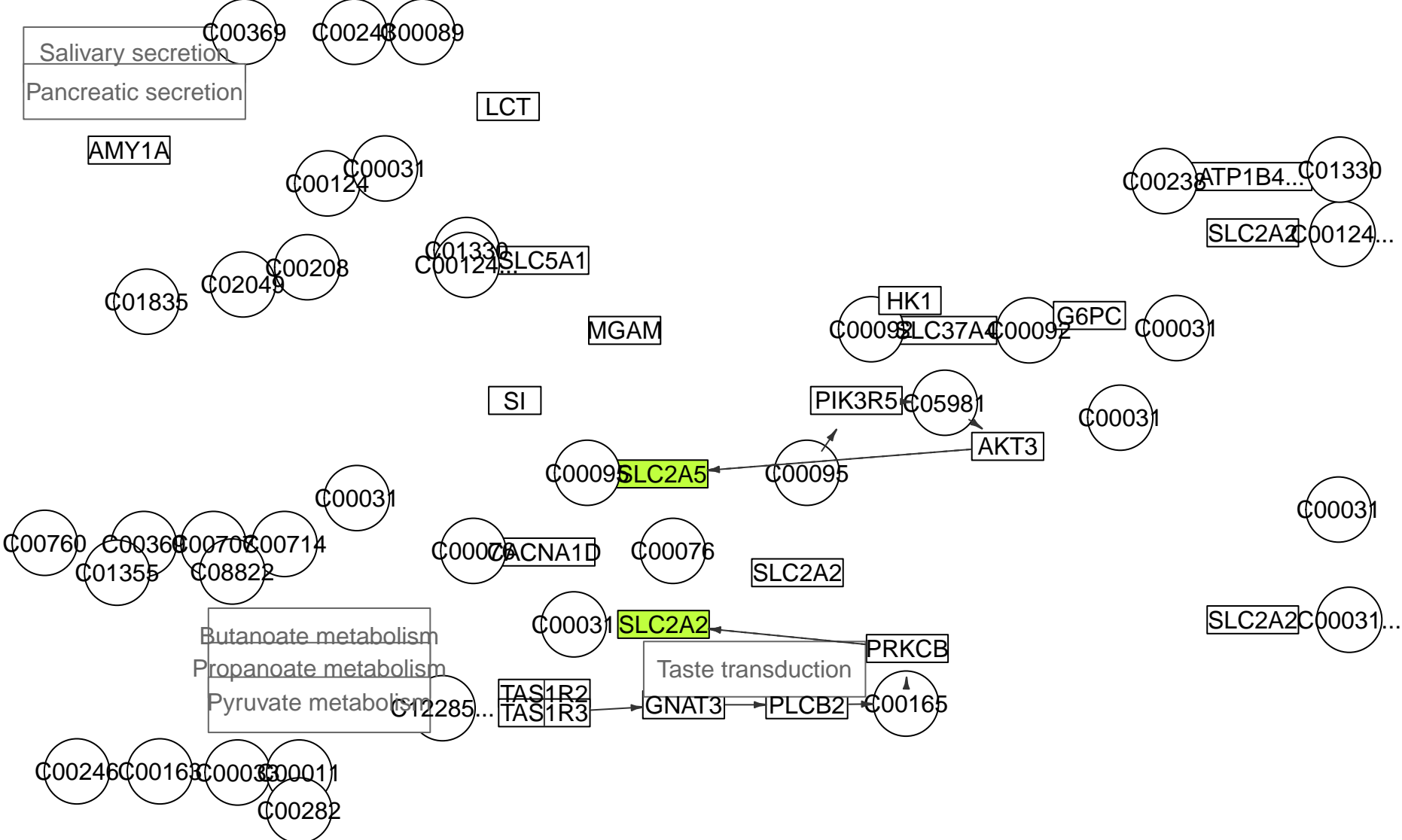
SLC2A2

Butanoate metabolism
Propanoate metabolism
Pyruvate metabolism
C12285...

C00031 SLC2A2 PRKCB
Taste transduction
GNAT3 PLCB2 C00165

C00031
SLC2A2 C00031...

C00246 C00163 C00033 C00011
C00282



Carbohydrate digestion
and absorption
mBL

Tight junction

Salivary secretion
Pancreatic secretion

LCT

AMY1A

ATP1B4...
SLC2A2...
C01330
C00124...

C01835 C02049 C00208 C01330 C00124 SLC5A1
MGAM

HK1
C00095 SLC37A4 C00092 G6PC C00031

SI

PIK3R5 C05981 AKT3 C00031

C00095 SLC2A5 C00095

C00760 C00369 C00706 C00714
C01355 C08822 C00031

C00076 ACNA1D C00076

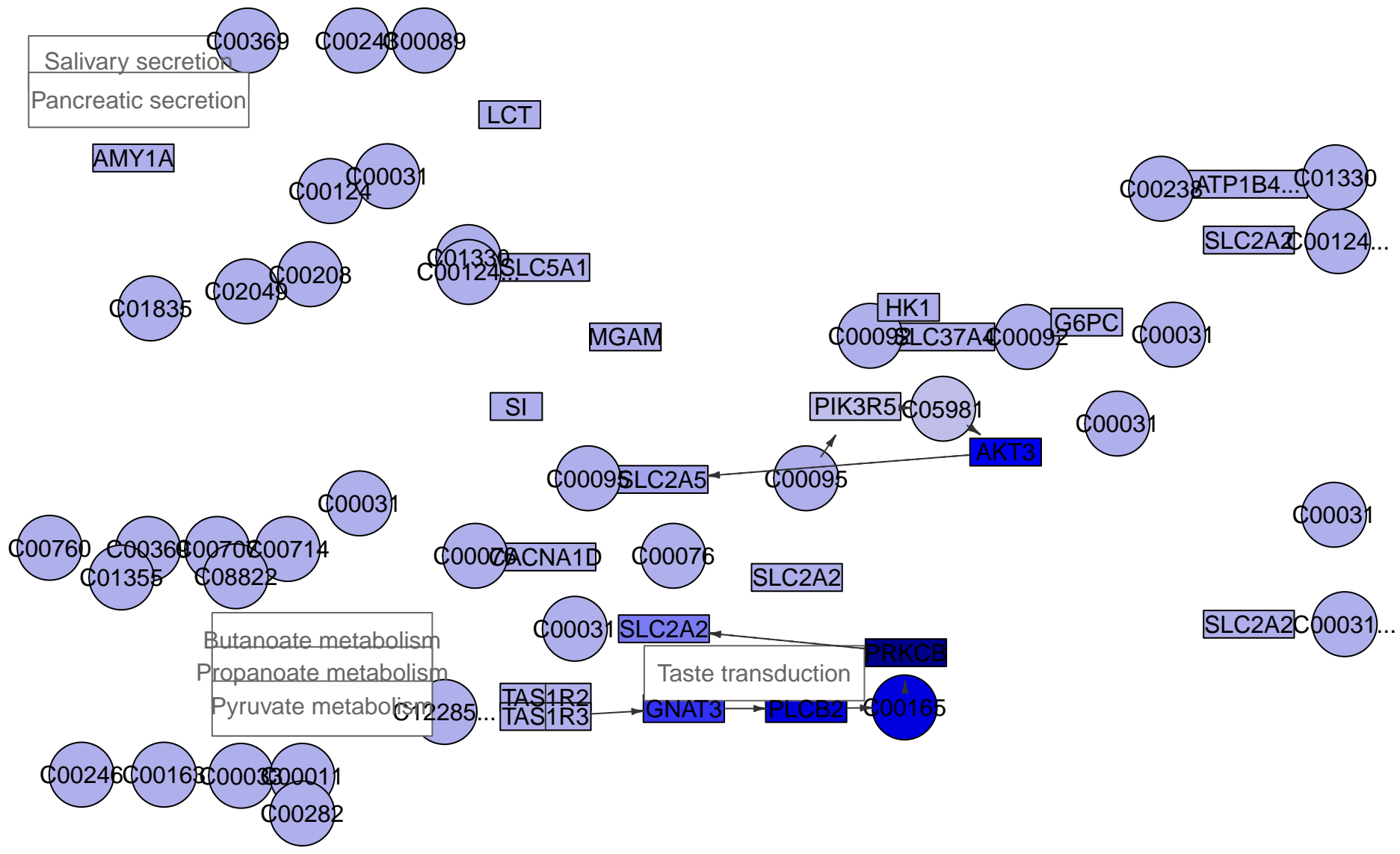
SLC2A2

Butanoate metabolism
Propanoate metabolism
Pyruvate metabolism

C00031 SLC2A2 PRKCB
TAS1R2 TAS1R3 GNAT3 PLCB2 C00165

C00031
SLC2A2 C00031...

C00246 C00163 C00033 C00011
C00282



Carbohydrate digestion
and absorption
intermediate

Tight junction

Salivary secretion
Pancreatic secretion

LCT

AMY1A

C00369 C00248 C00089

C00124 C00031

C00238 ATP1B4... C01330

C01835 C02049 C00208

C01338 SLC5A1
C00124...

SLC2A2 C00124...

MGAM

HK1 C00095 SLC37A4 C00092 G6PC C00031

SI

PIK3R5 C05981 AKT3

C00031

C00095 SLC2A5 C00095

C00031

C00760 C00369 C00706 C00714
C01355 C08822

C00076 ACNA1D C00076

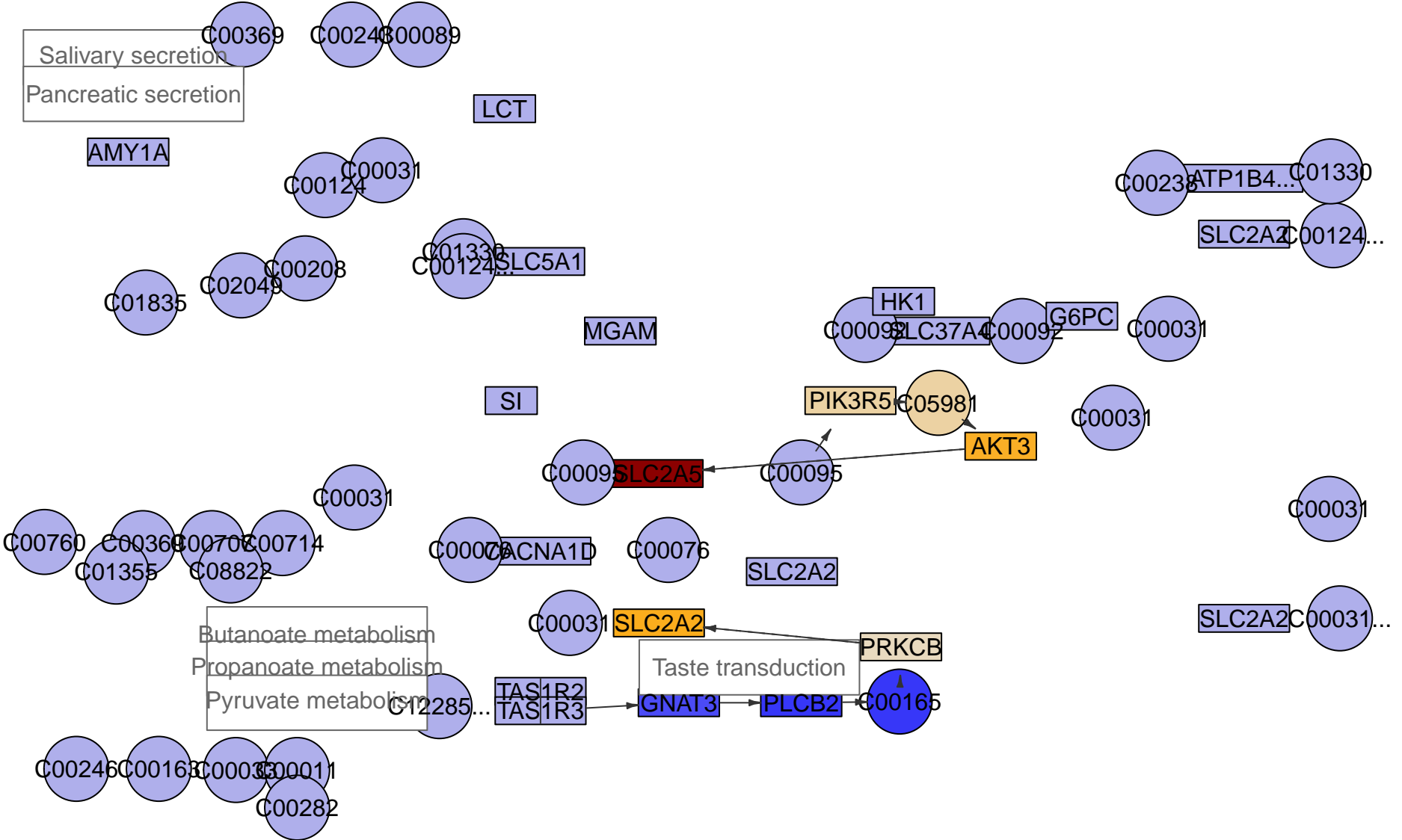
SLC2A2

Butanoate metabolism
Propanoate metabolism
Pyruvate metabolism

C012285... TAS1R2 TAS1R3 GNAT3 PLCB2 C00165 PRKCB

SLC2A2 C00031...

C00246 C00163 C00033 C00011
C00282



Carbohydrate digestion
and absorption
non-mBL

Tight junction

Salivary secretion
Pancreatic secretion

LCT

AMY1A

ATP1B4...
SLC2A2...
C01330
C00124...

C01835
C02049
C00208
C01338
C00124...
SLC5A1

MGAM

HK1
C00095
SLC37A4
C00092
G6PC
C00031

SI

PIK3R5
C05981
AKT3

C00031

C00095
SLC2A5
C00095

C00031

C00760
C00369
C00706
C00714
C01355
C08822

C00076
CNA1D
C00076

SLC2A2

Butanoate metabolism
Propanoate metabolism
Pyruvate metabolism

C00031
SLC2A2
PRKCB
Taste transduction
GNAT3
PLCB2
C00165

SLC2A2
C00031...

C00246
C00163
C00033
C00011
C00282

