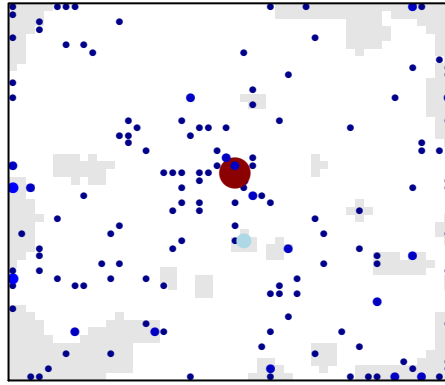


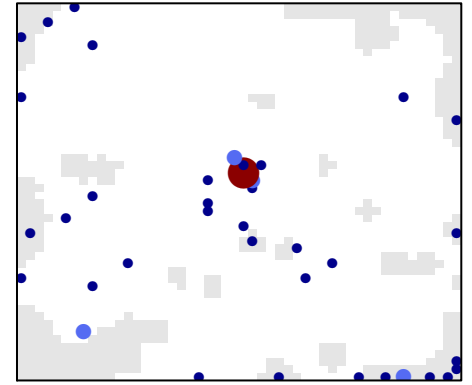
Glutamatergic synapse

all genes

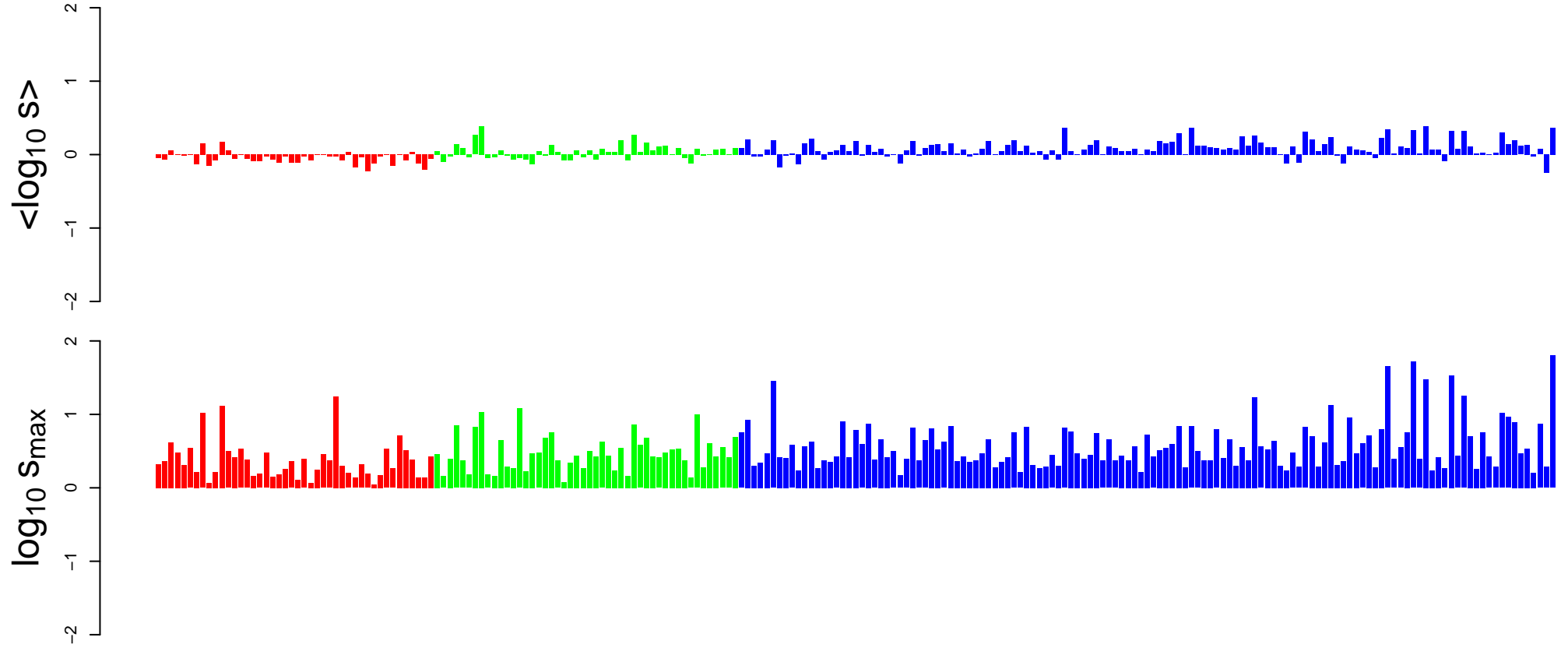


maximum = 13

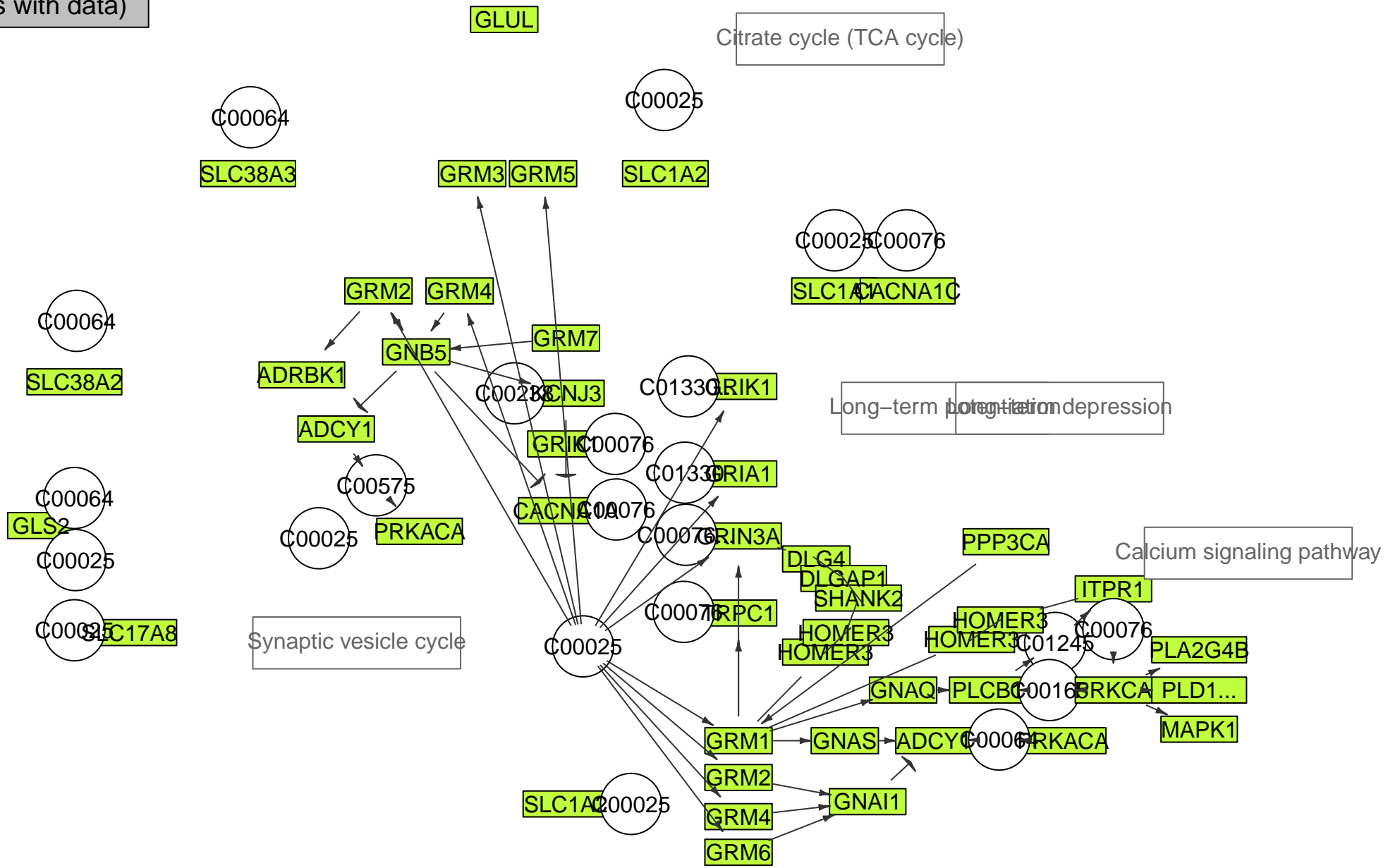
sink node genes



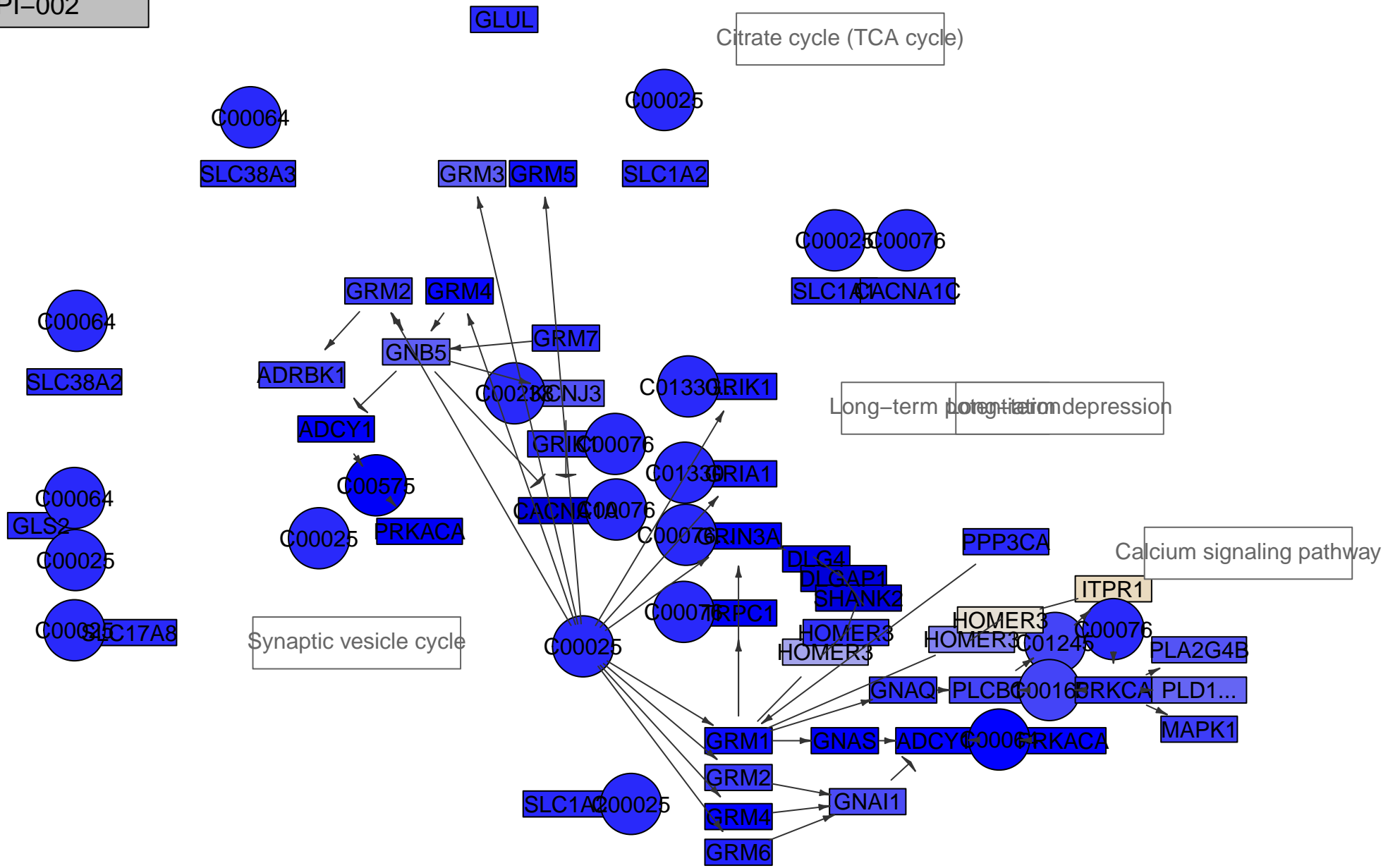
maximum = 5



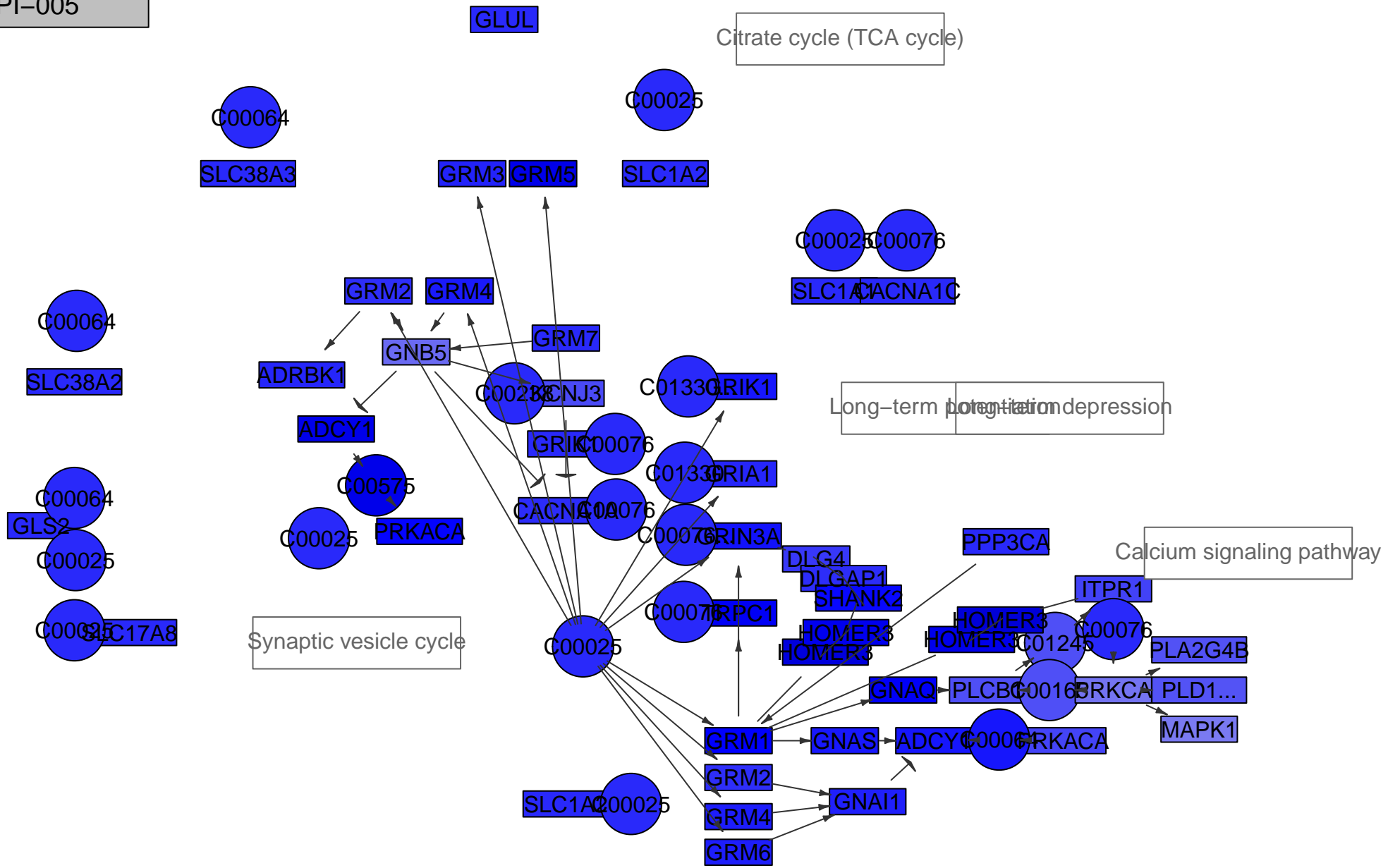
Glutamatergic synapse
(genes with data)



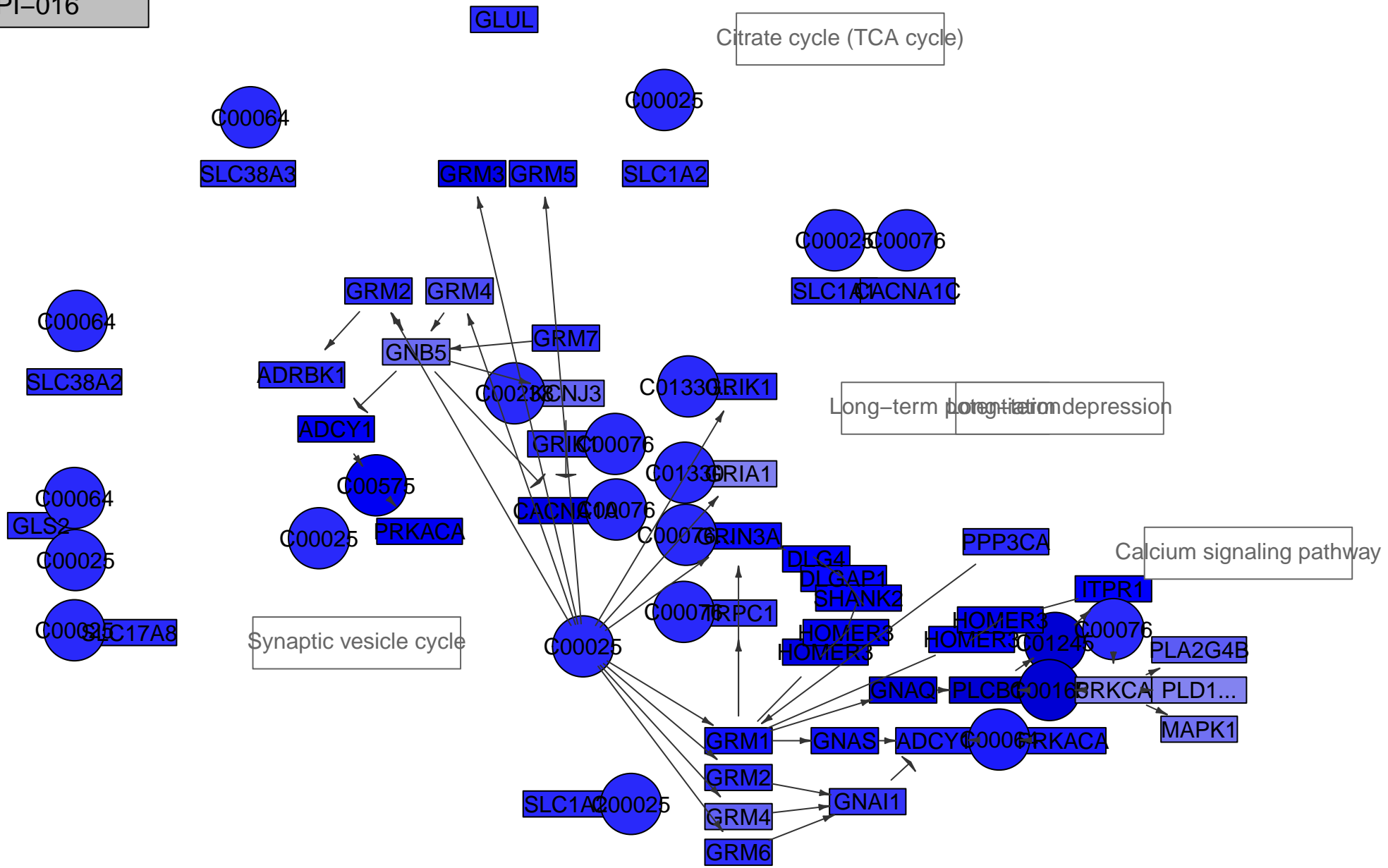
Glutamatergic synapse
MPI-002



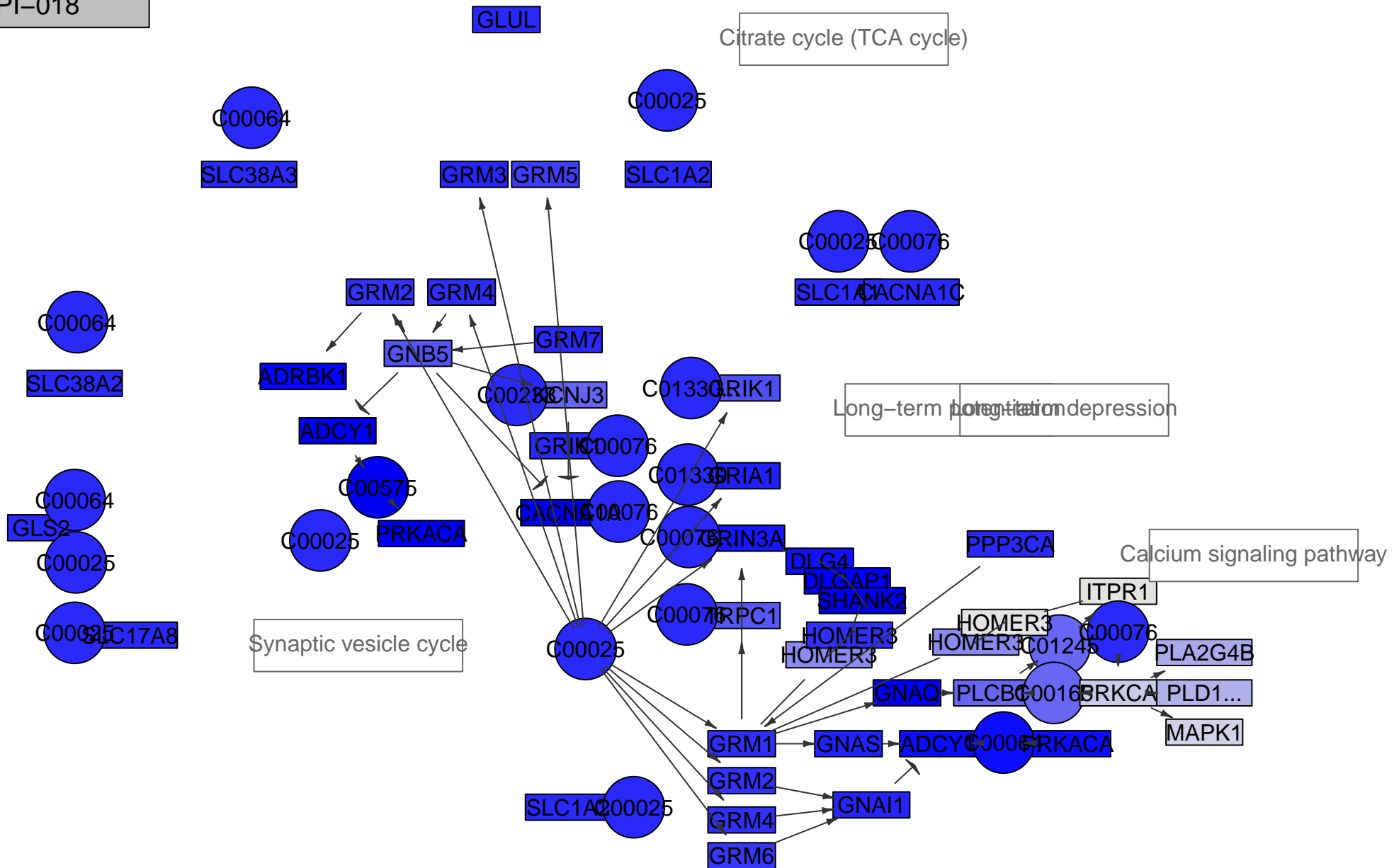
Glutamatergic synapse
MPI-005



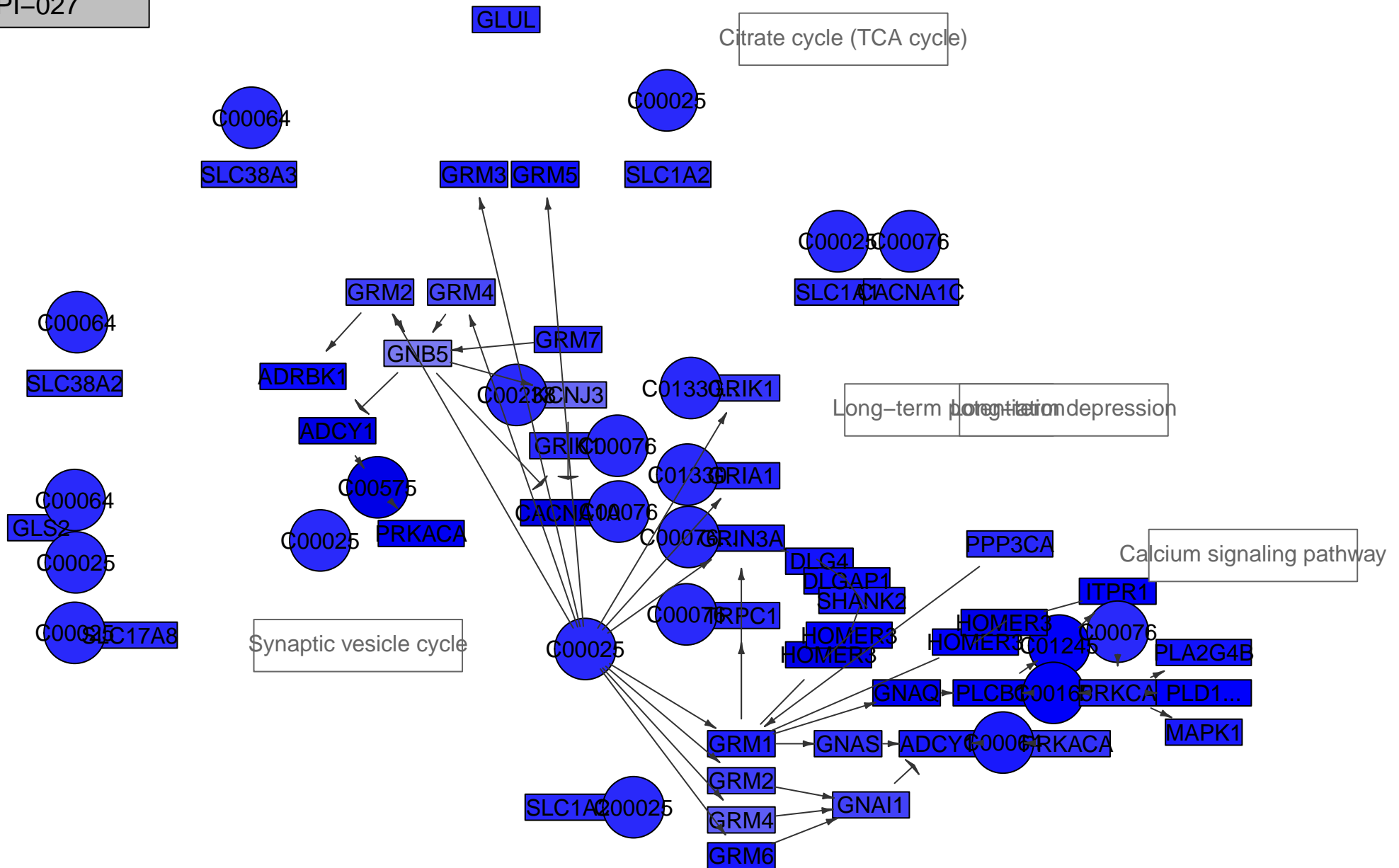
Glutamatergic synapse
MPI-016



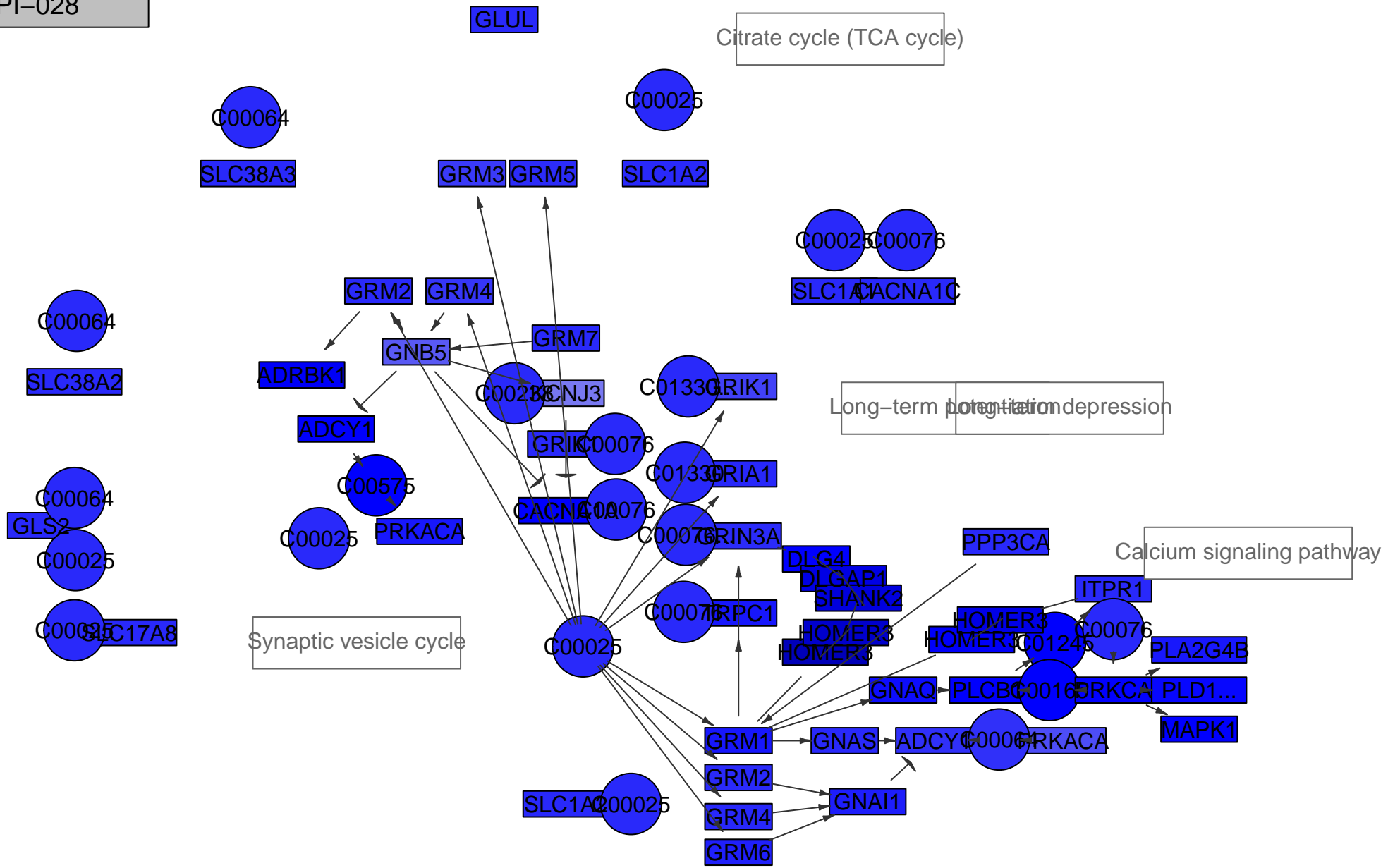
Glutamatergic synapse
MPI-018



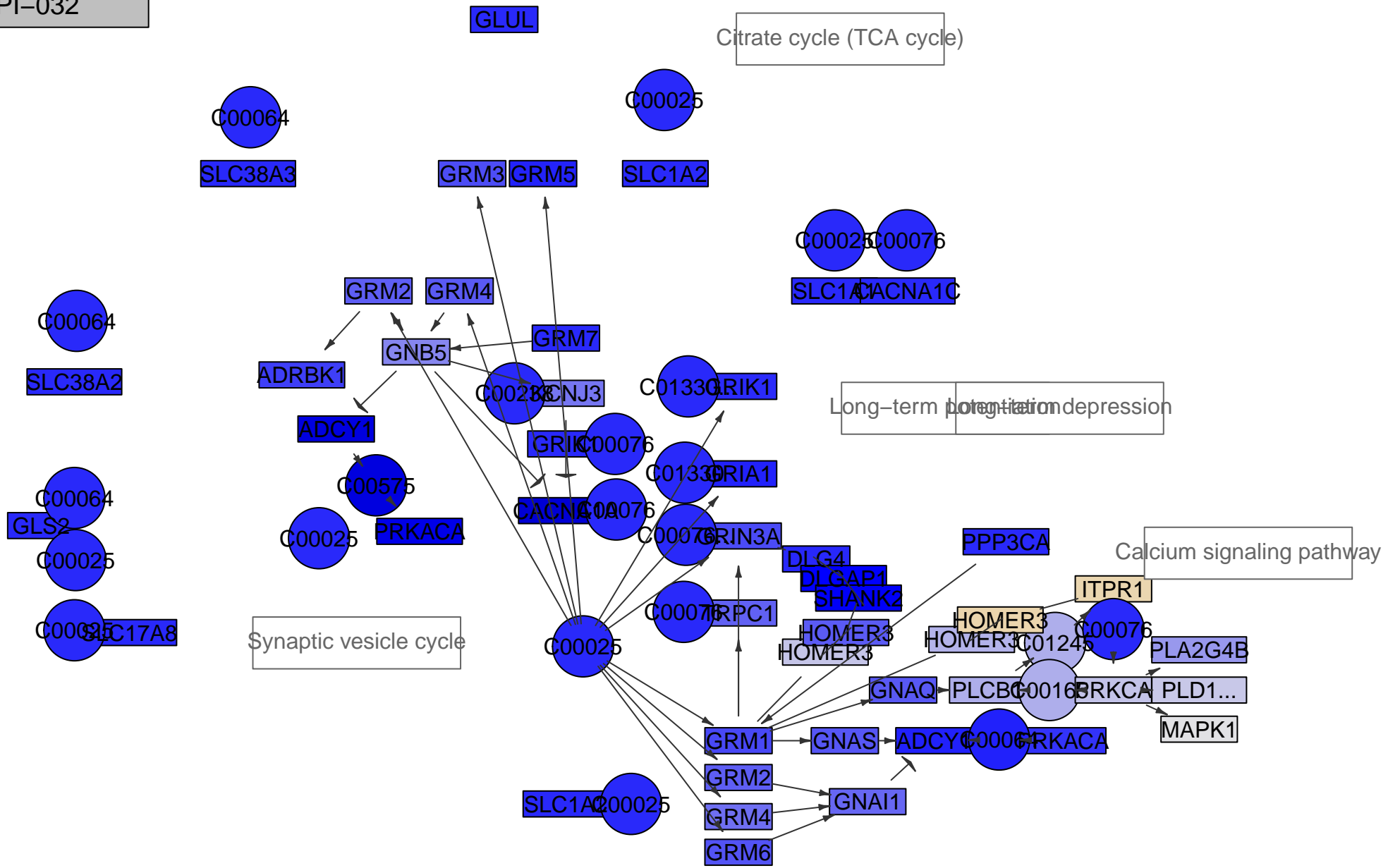
Glutamatergic synapse
MPI-027



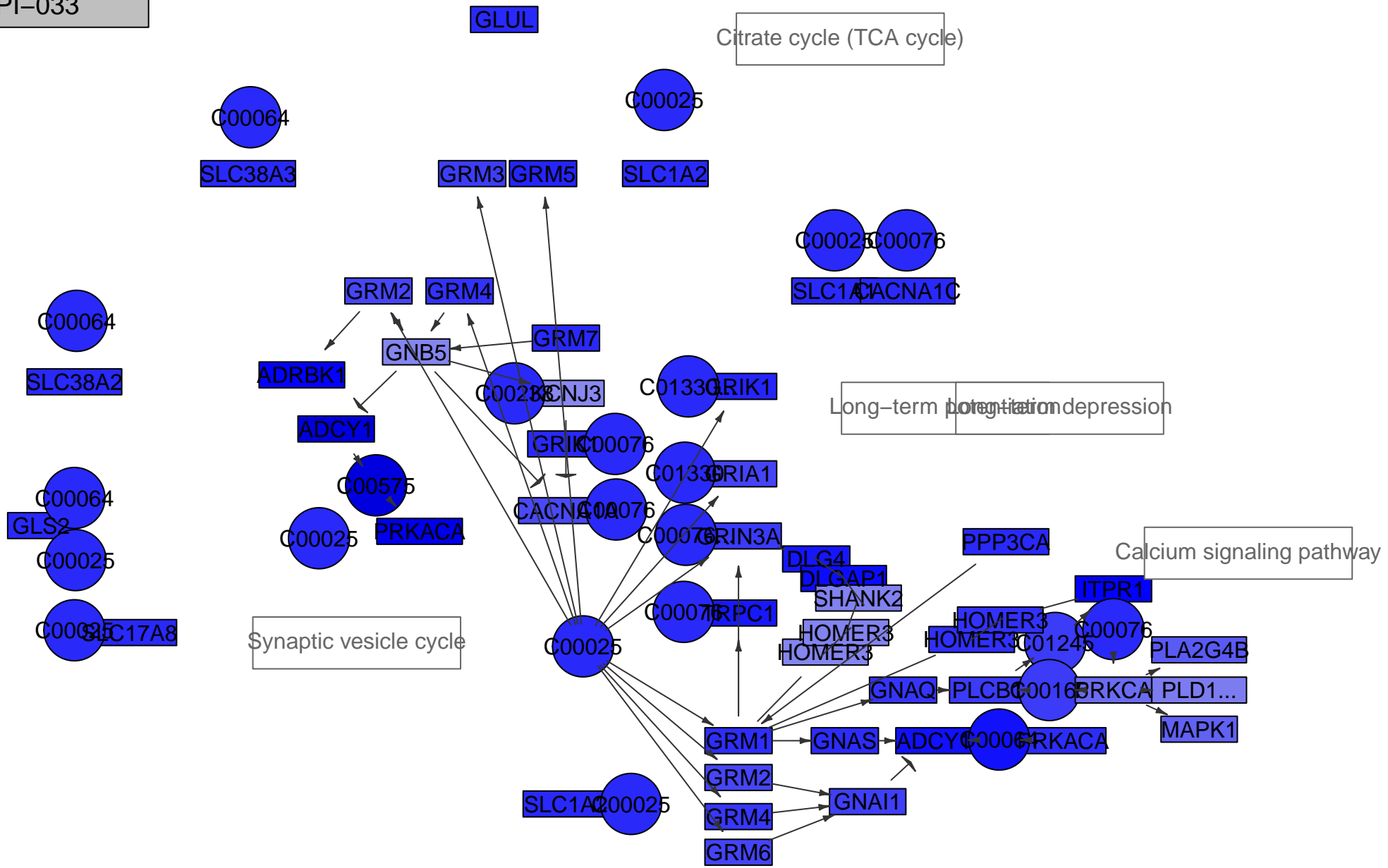
Glutamatergic synapse
MPI-028



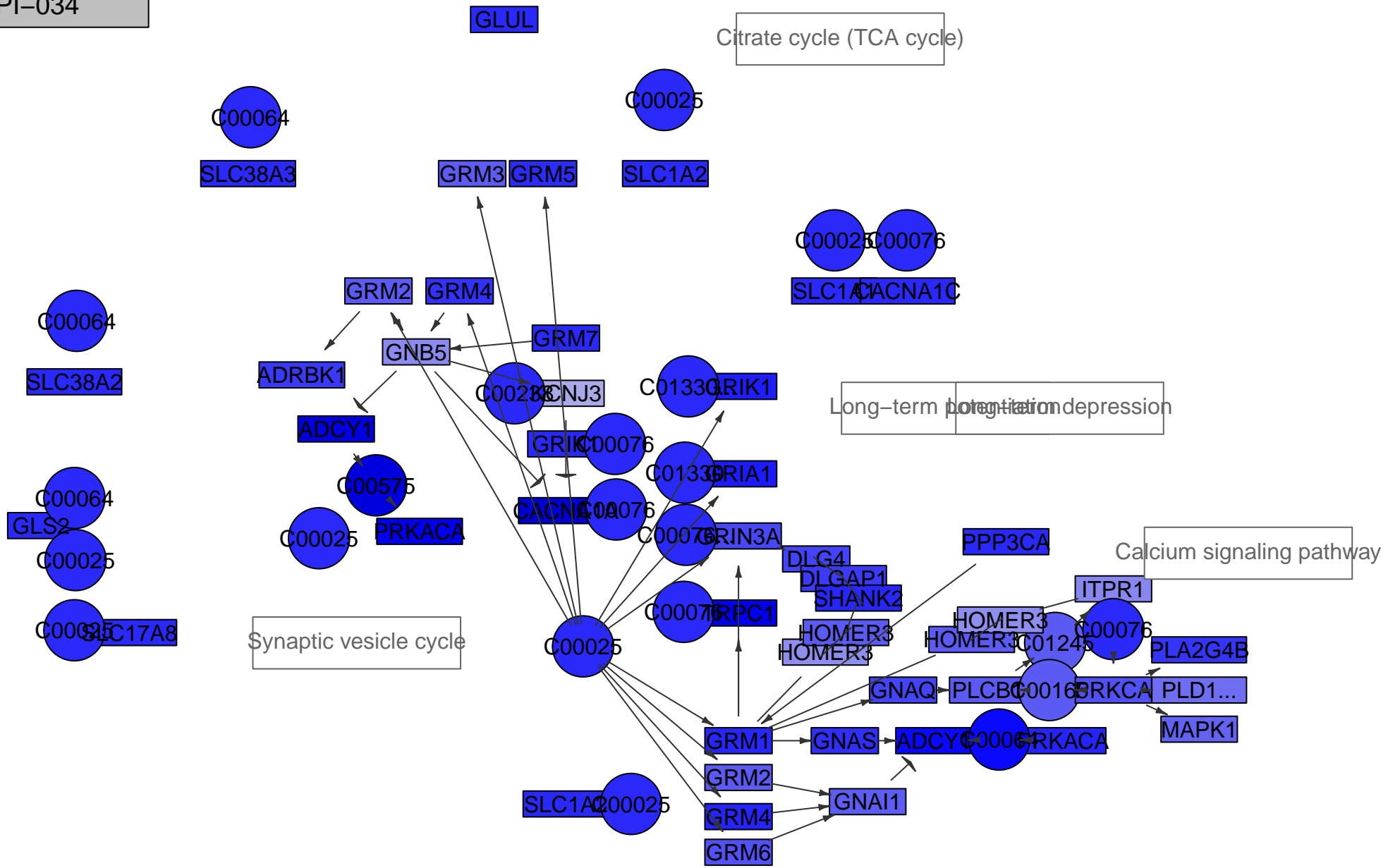
Glutamatergic synapse
MPI-032



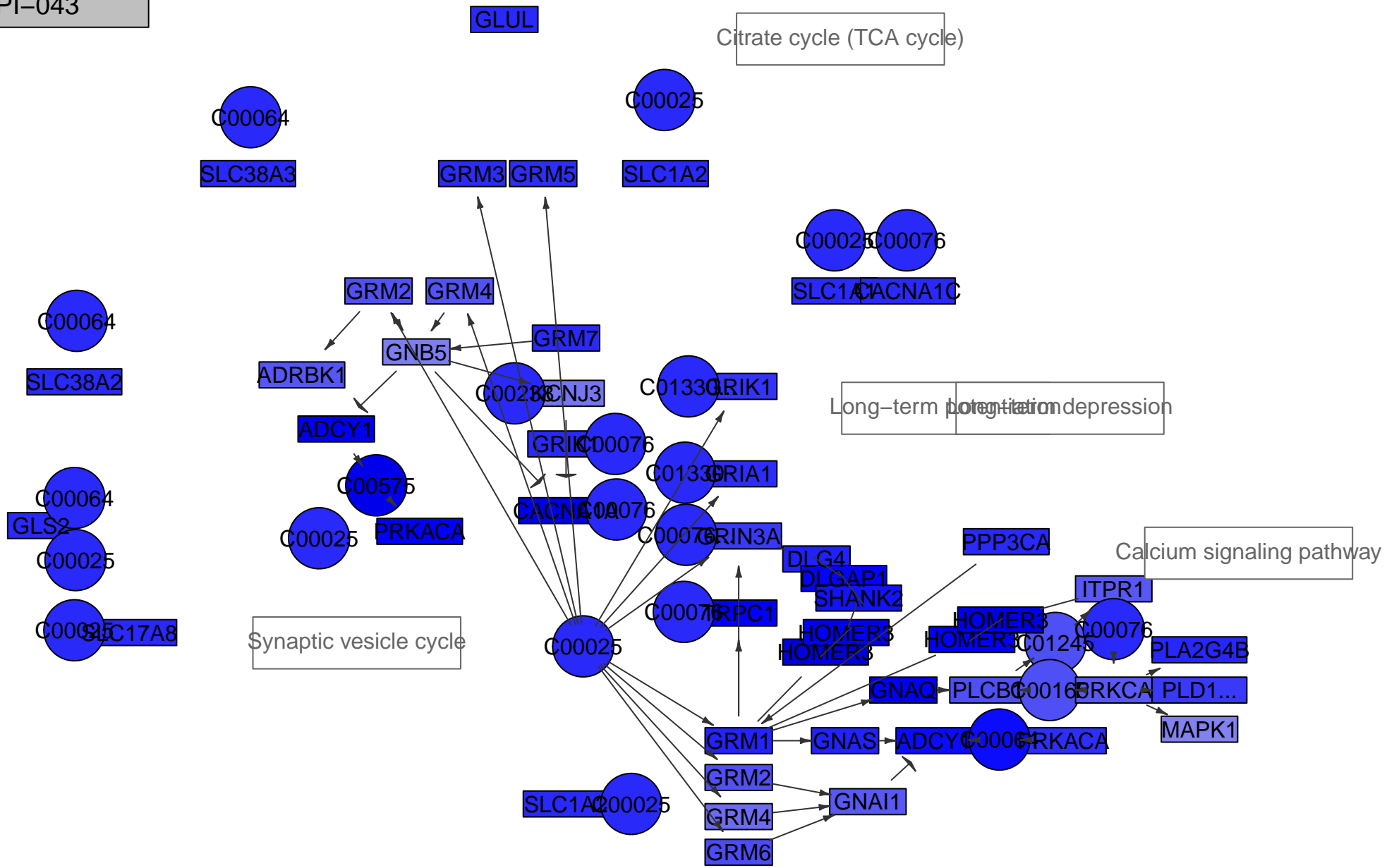
Glutamatergic synapse
MPI-033



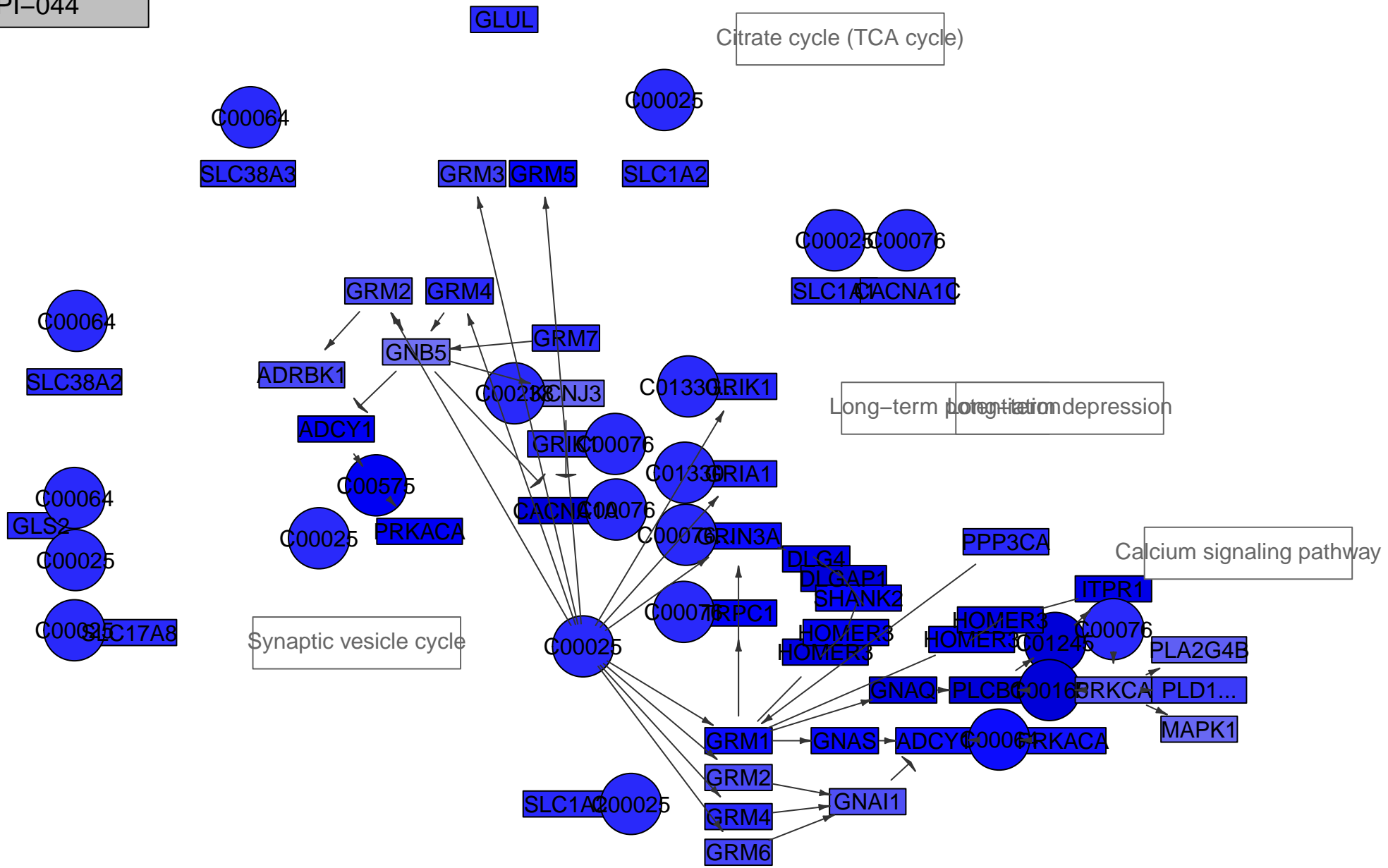
Glutamatergic synapse
MPI-034



Glutamatergic synapse
MPI-043



Glutamatergic synapse
MPI-044



C00064
SLC38A3

C00025
SLC1A2

C00064
SLC38A2

ADRBK1

GRM2 GRM4

GNB5

C00238 CNJ3

C01330 GRIK1

ADCY1

GRIIC

C00076

C01330 GRIA1

C00064
GLS2

C00575

CACNA1A

C00076

C00076 GRIN3A

C00025

C00025

PRKACA

C00025

C00076

TRPC1

DLG4

DLGAP1

SHANK2

PPP3CA

Calcium signaling pathway

C00025
SLC17A8

Synaptic vesicle cycle

HOMER3

HOMER3

HOMER3

HOMER3

C001245

ITPR1

C00076

PLA2G4B

GNAQ

PLCB3

C00163

PRKCA

PLD1...

GRM1

GNAS

ADCY1

C00064

PRKACA

MAPK1

SLC1A2

C00025

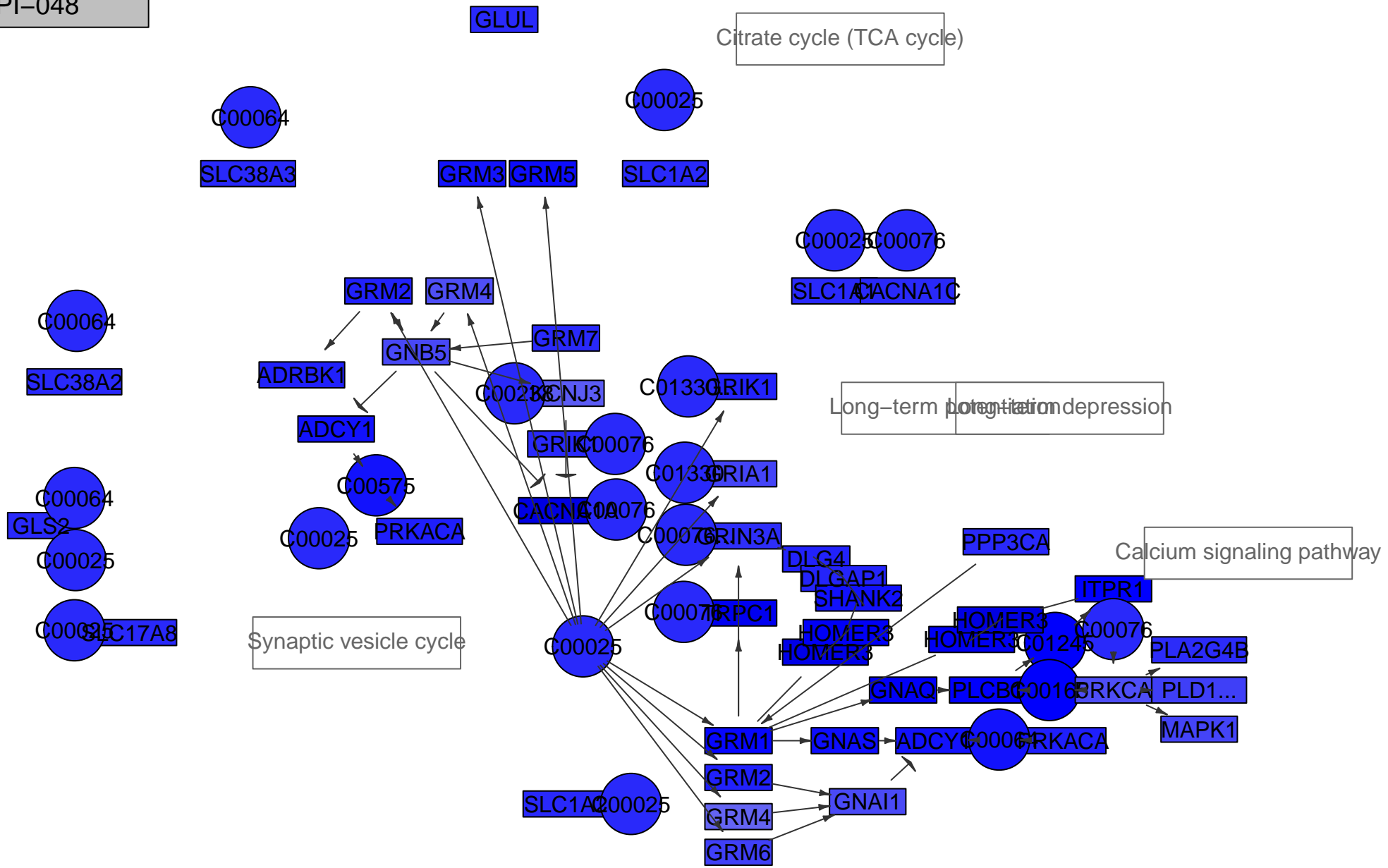
GRM2

GRM4

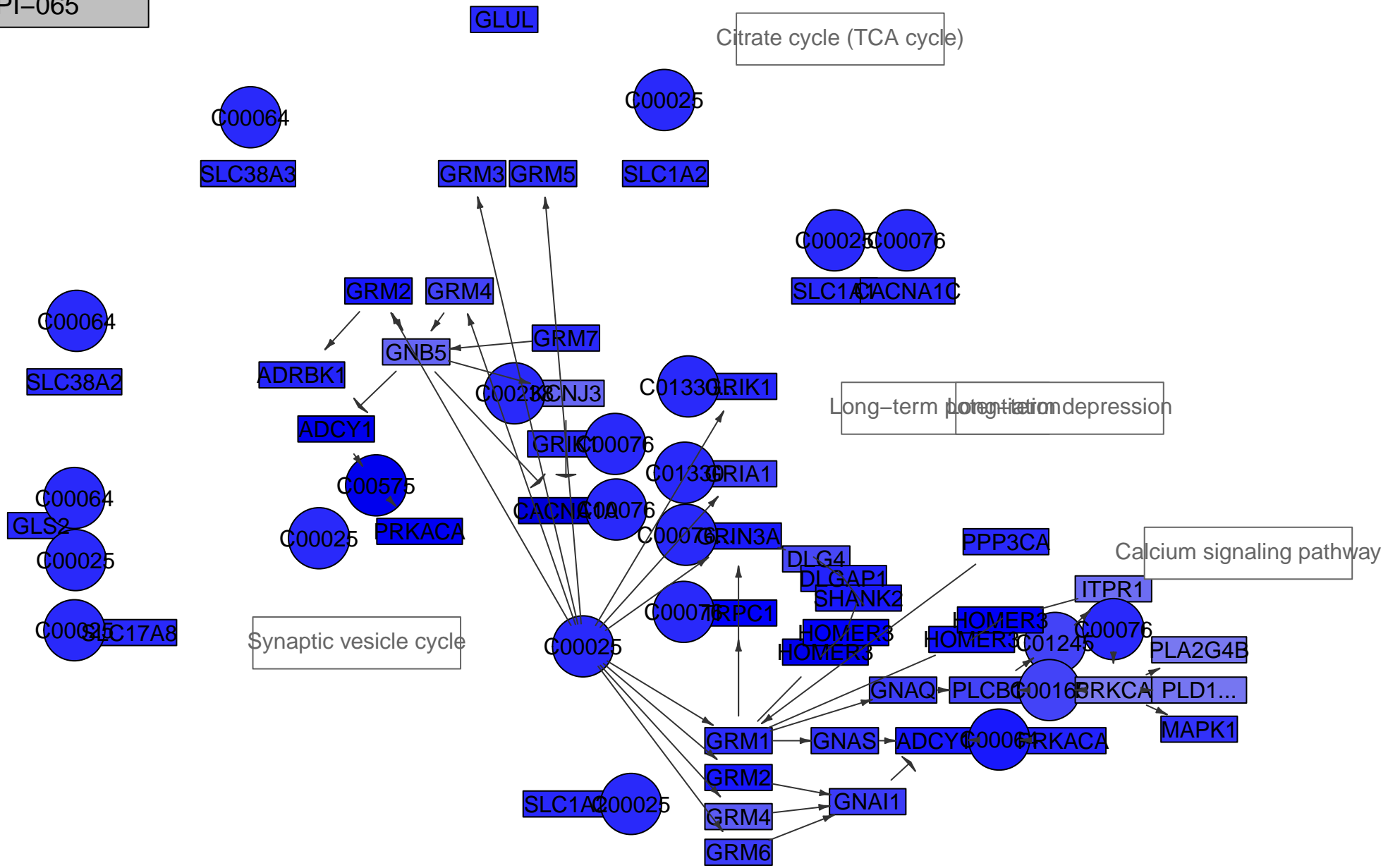
GRM6

GNAI1

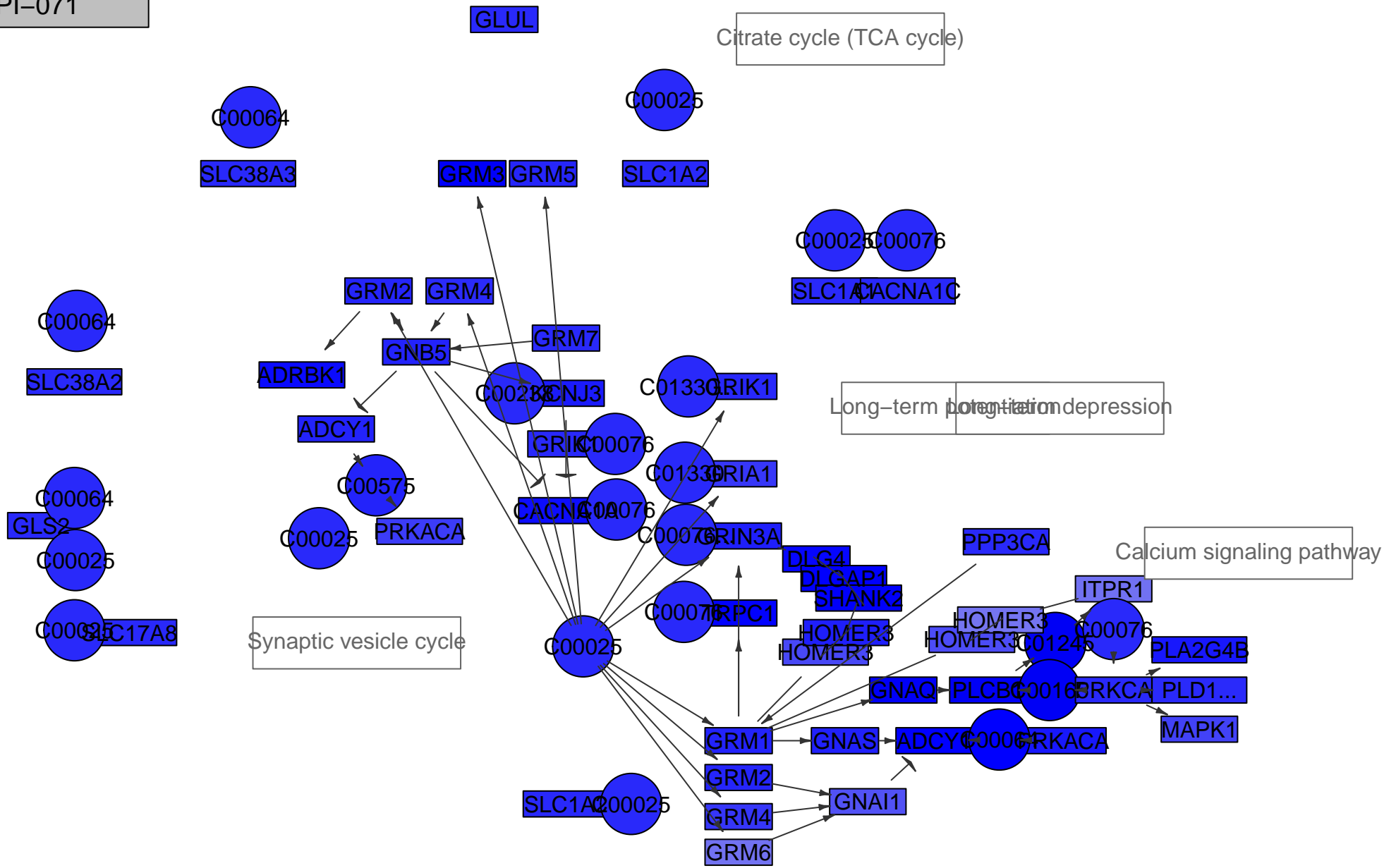
Glutamatergic synapse
MPI-048



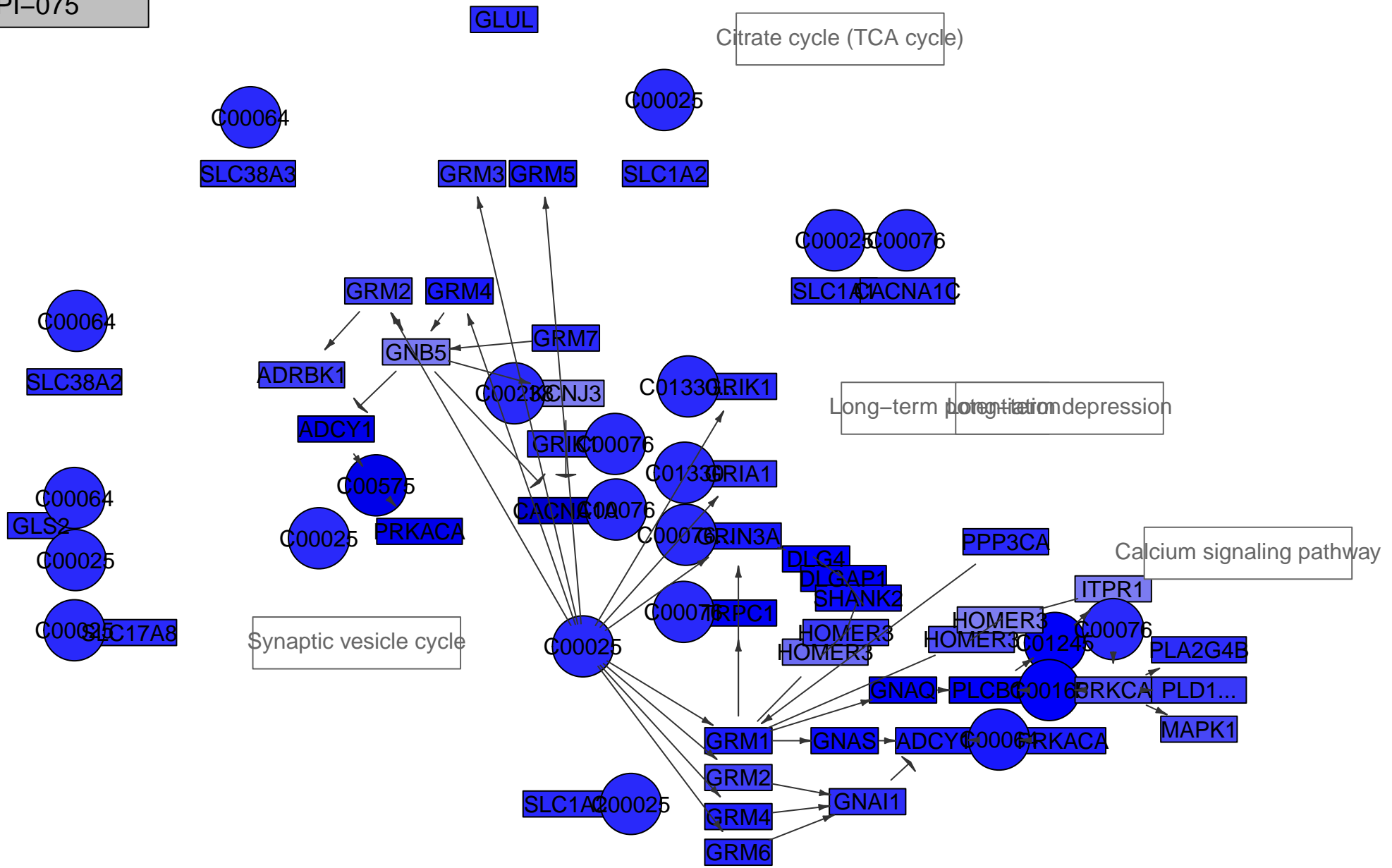
Glutamatergic synapse
MPI-065



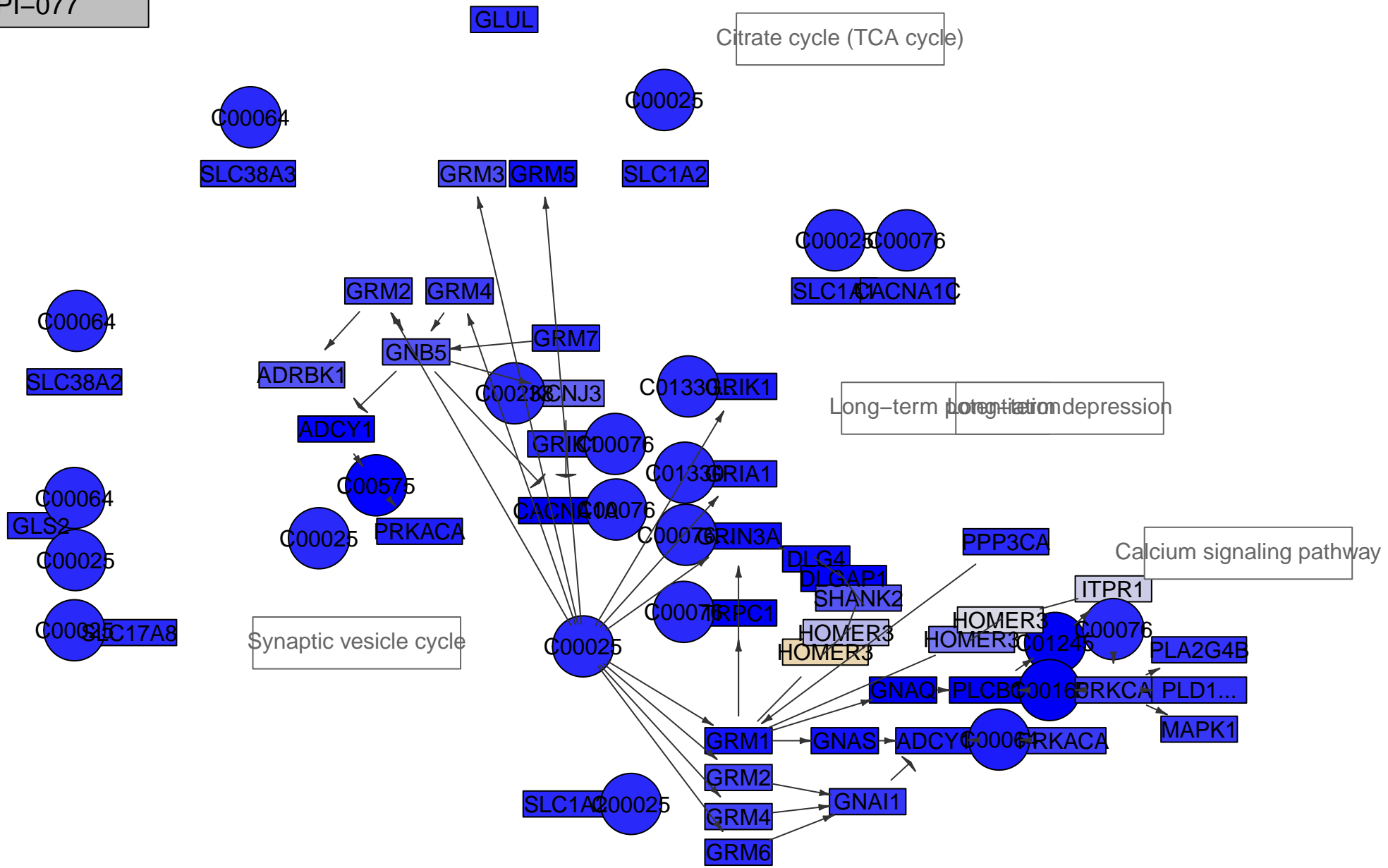
Glutamatergic synapse
MPI-071



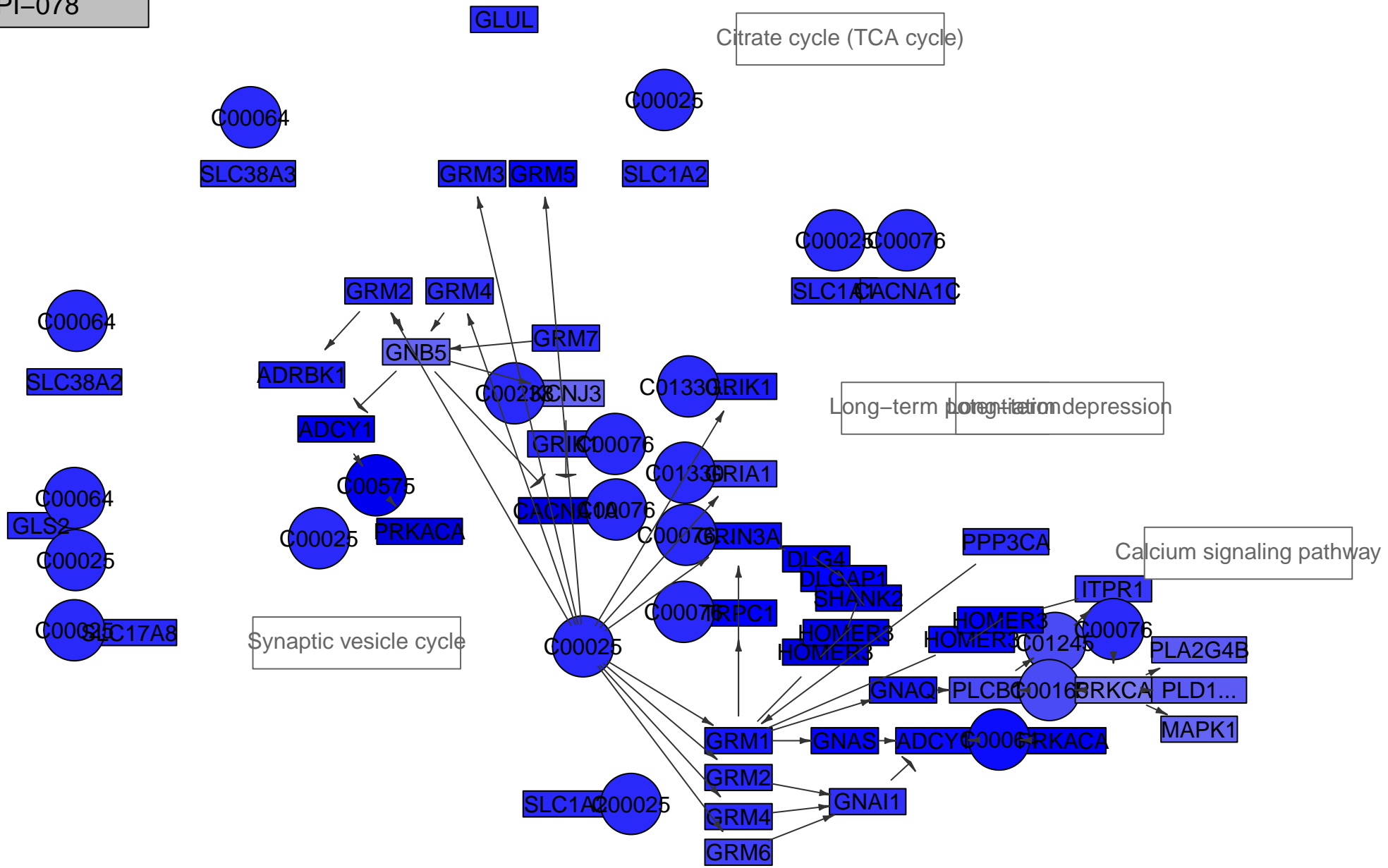
Glutamatergic synapse
MPI-075



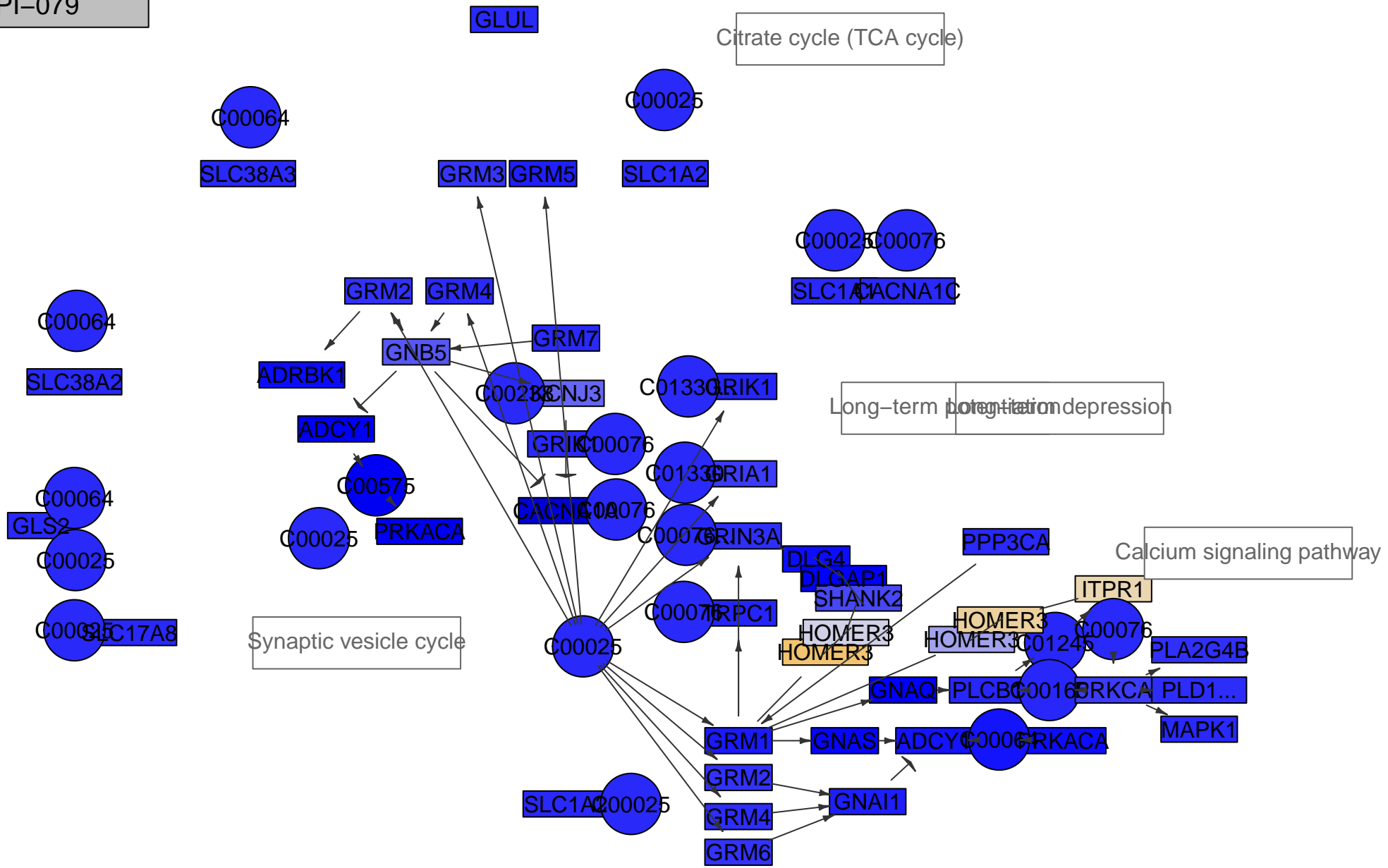
Glutamatergic synapse
MPI-077



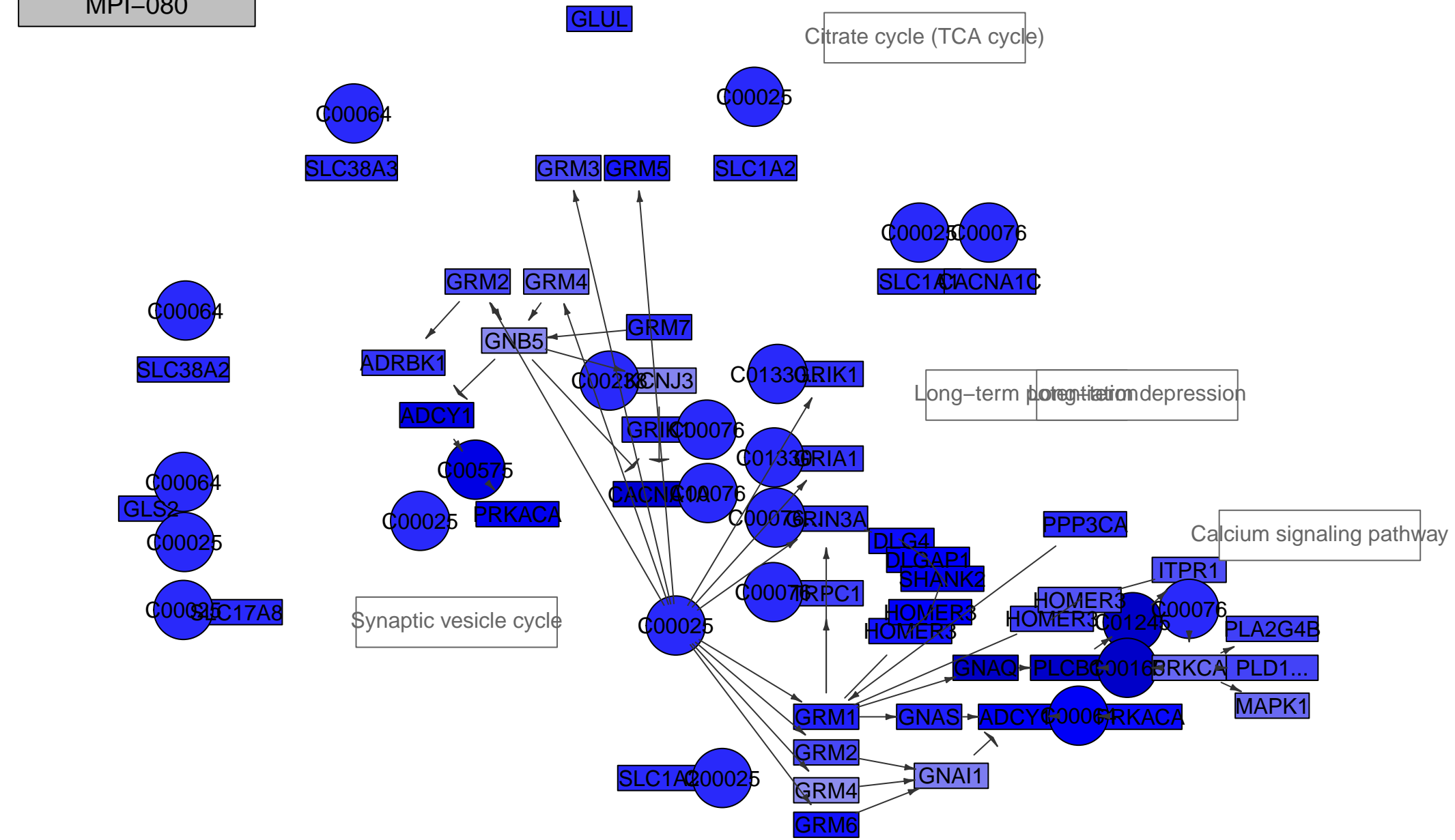
Glutamatergic synapse
MPI-078



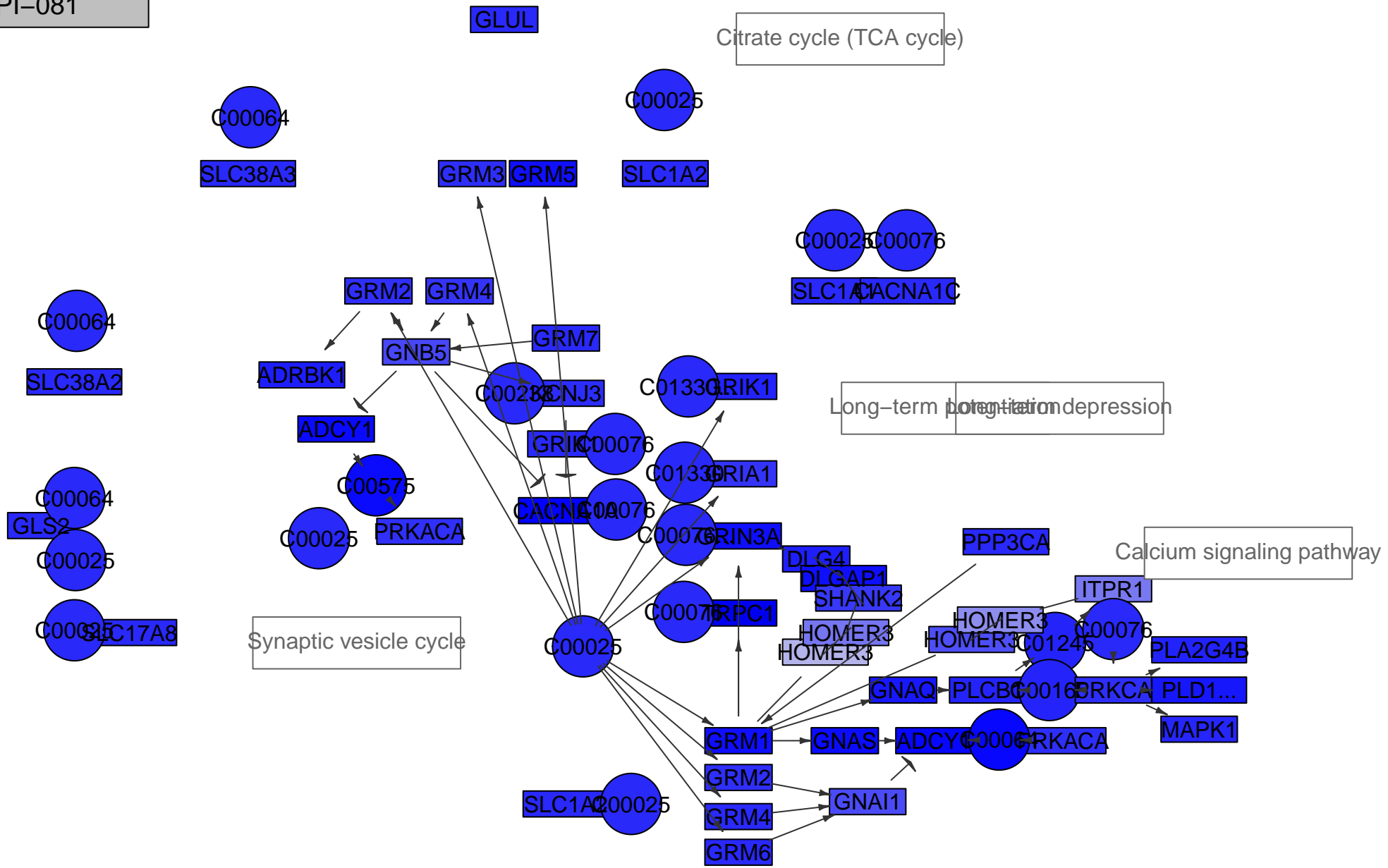
Glutamatergic synapse
MPI-079



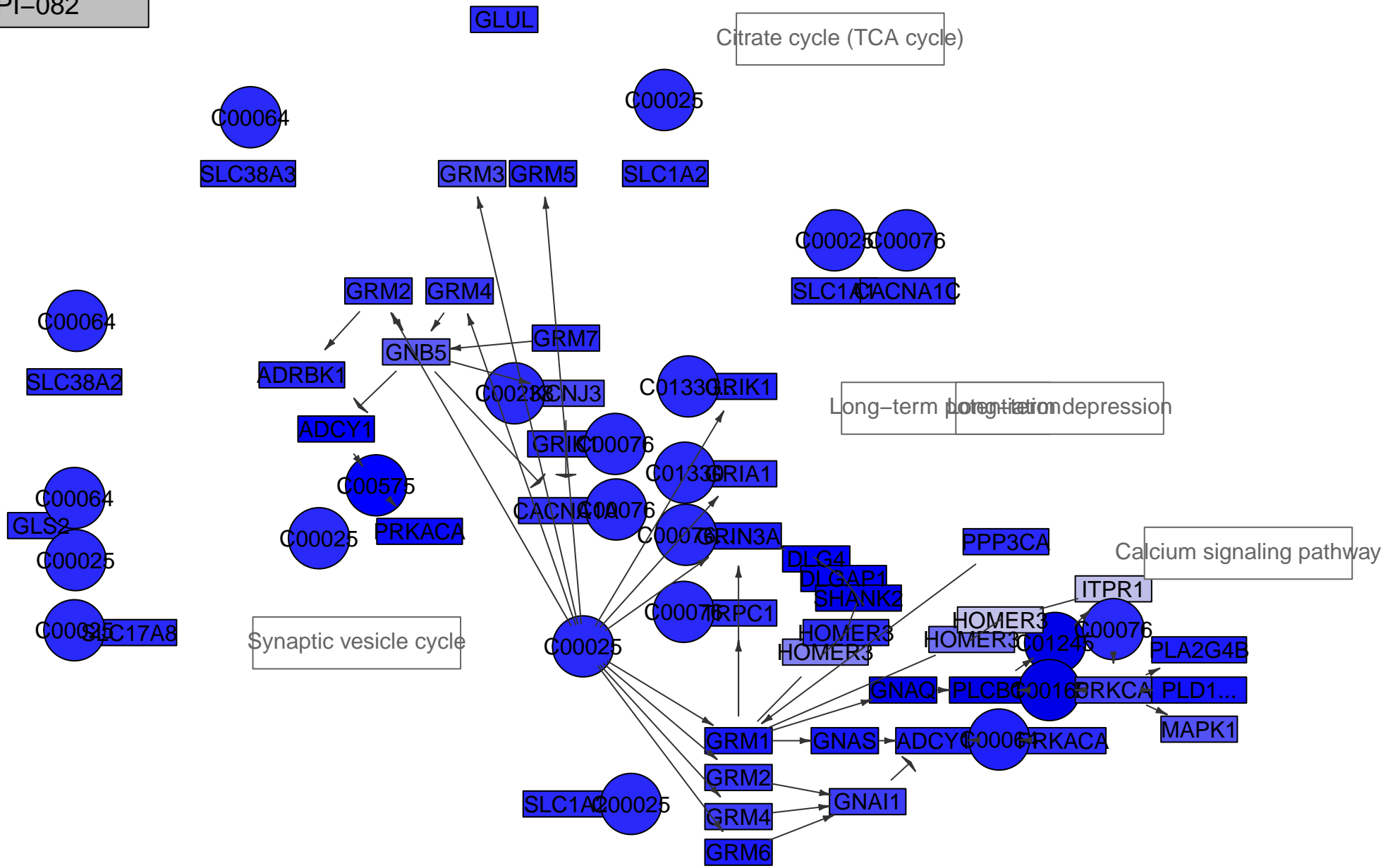
Glutamatergic synapse
MPI-080



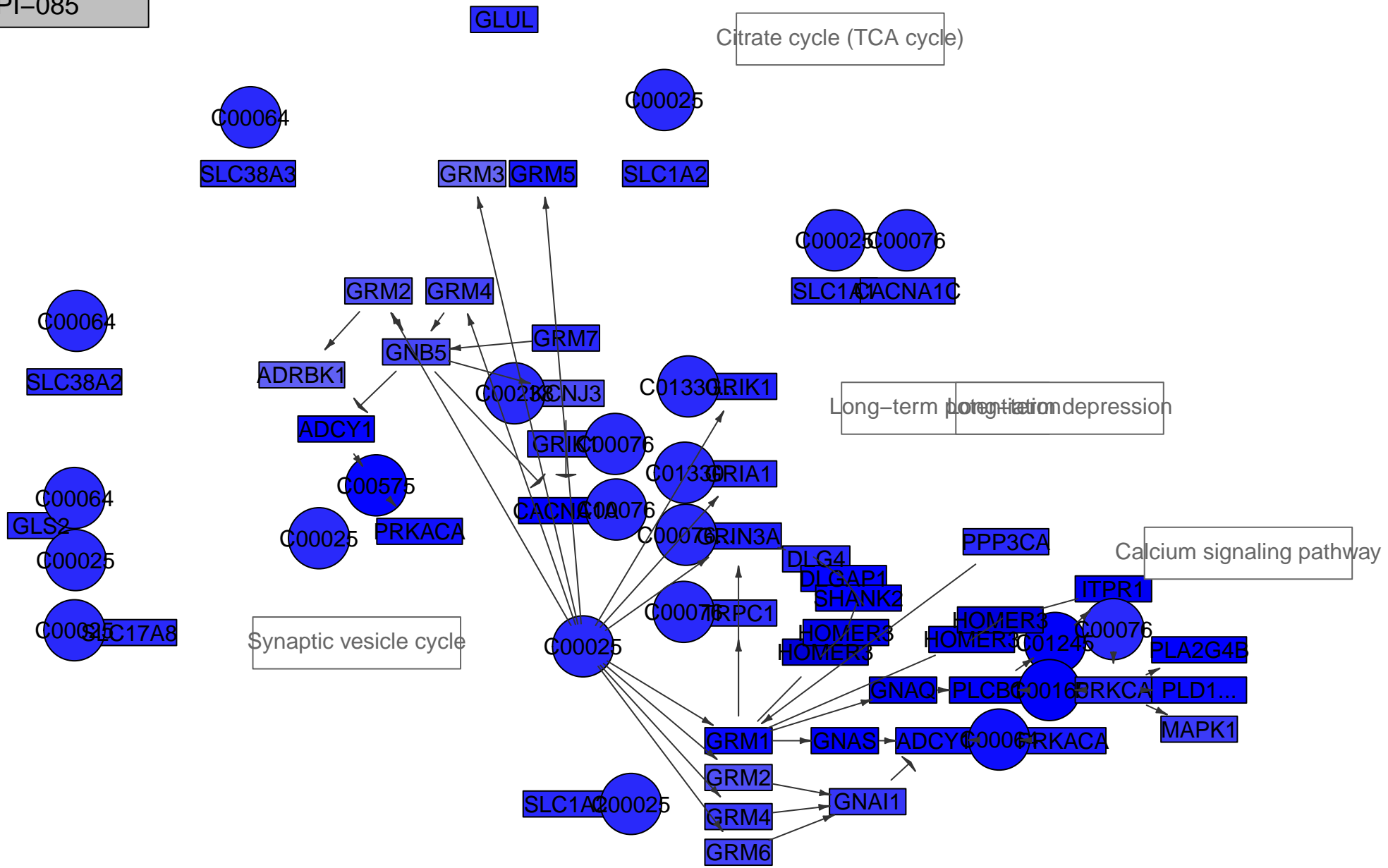
Glutamatergic synapse
MPI-081



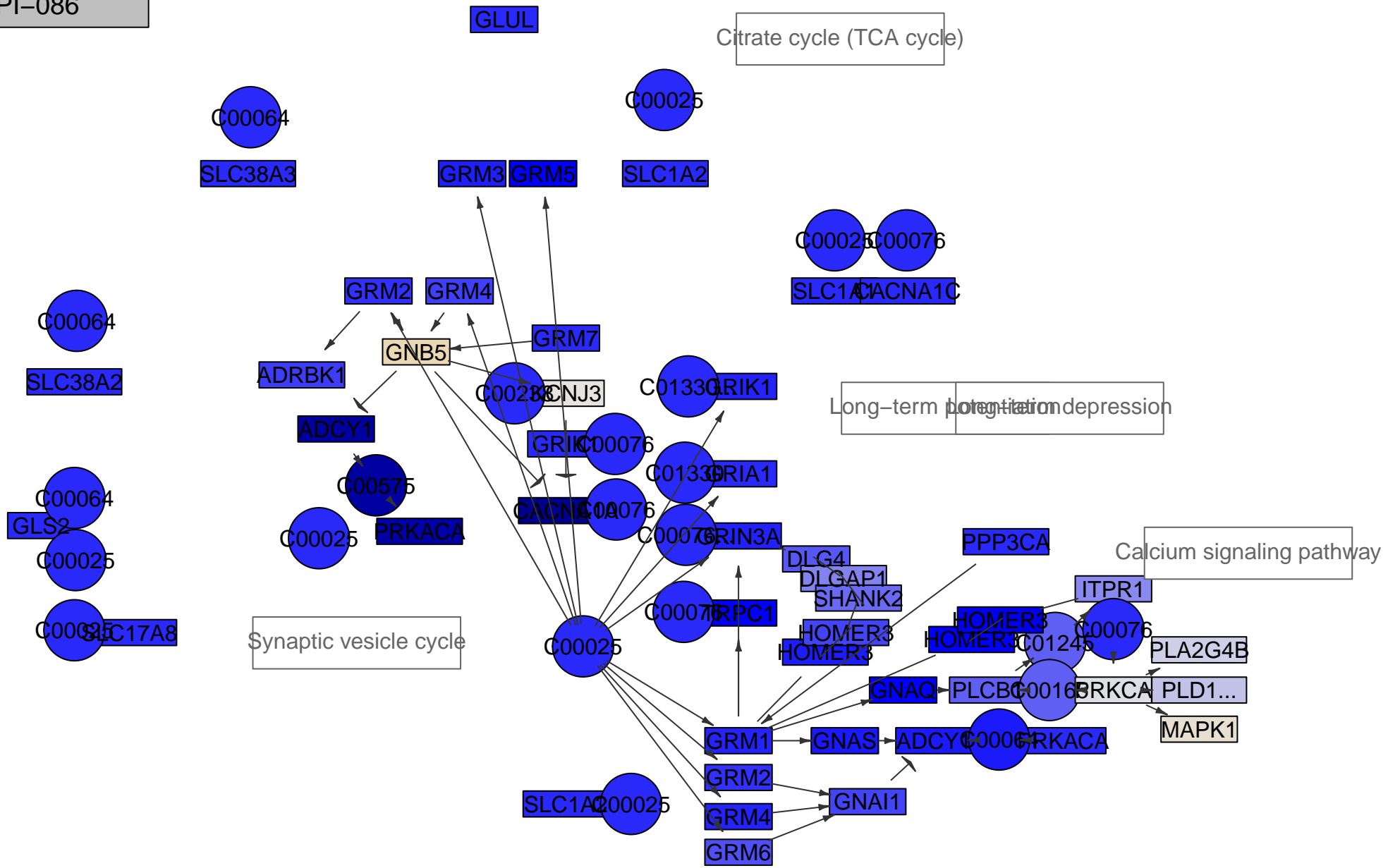
Glutamatergic synapse
MPI-082



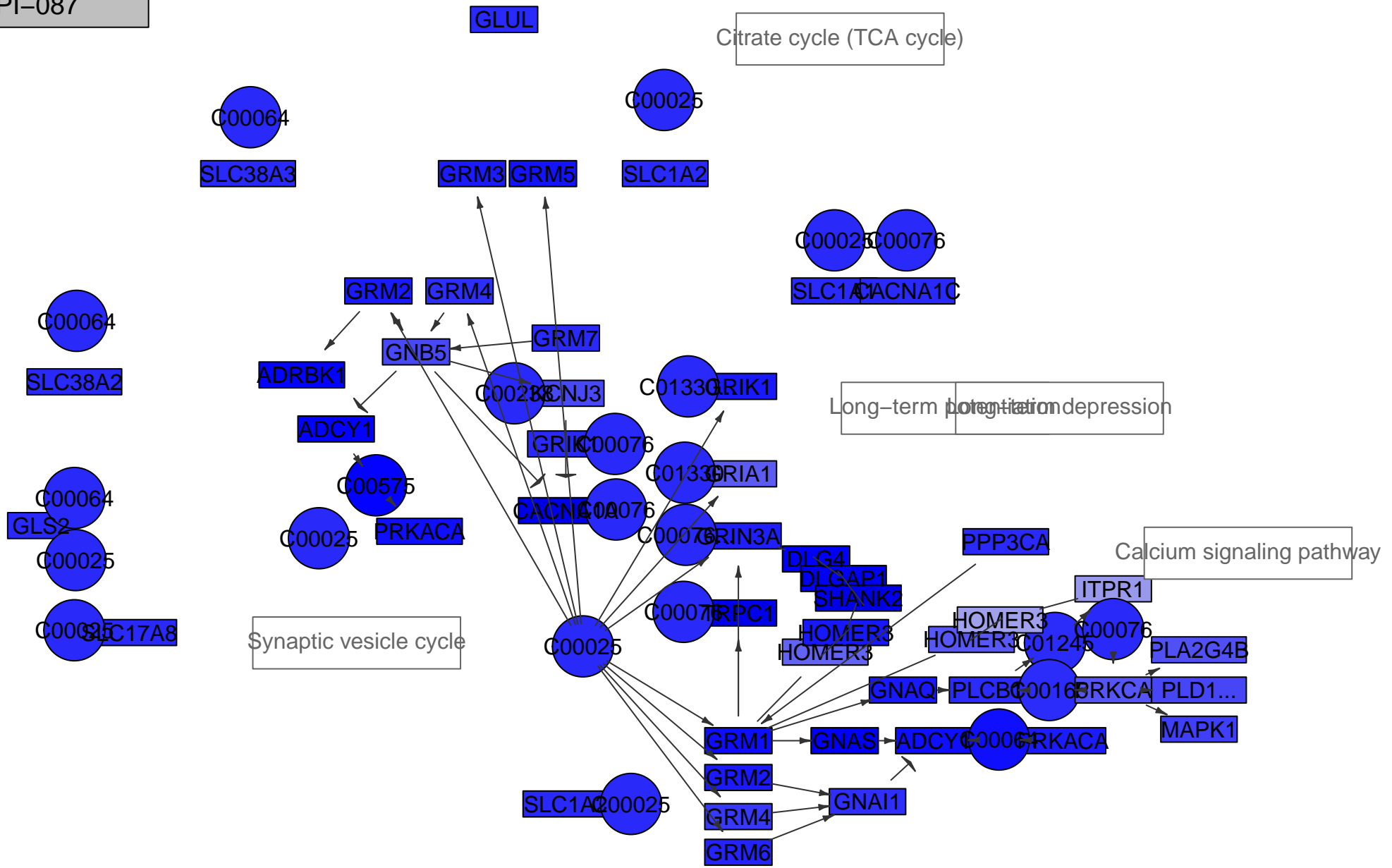
Glutamatergic synapse
MPI-085



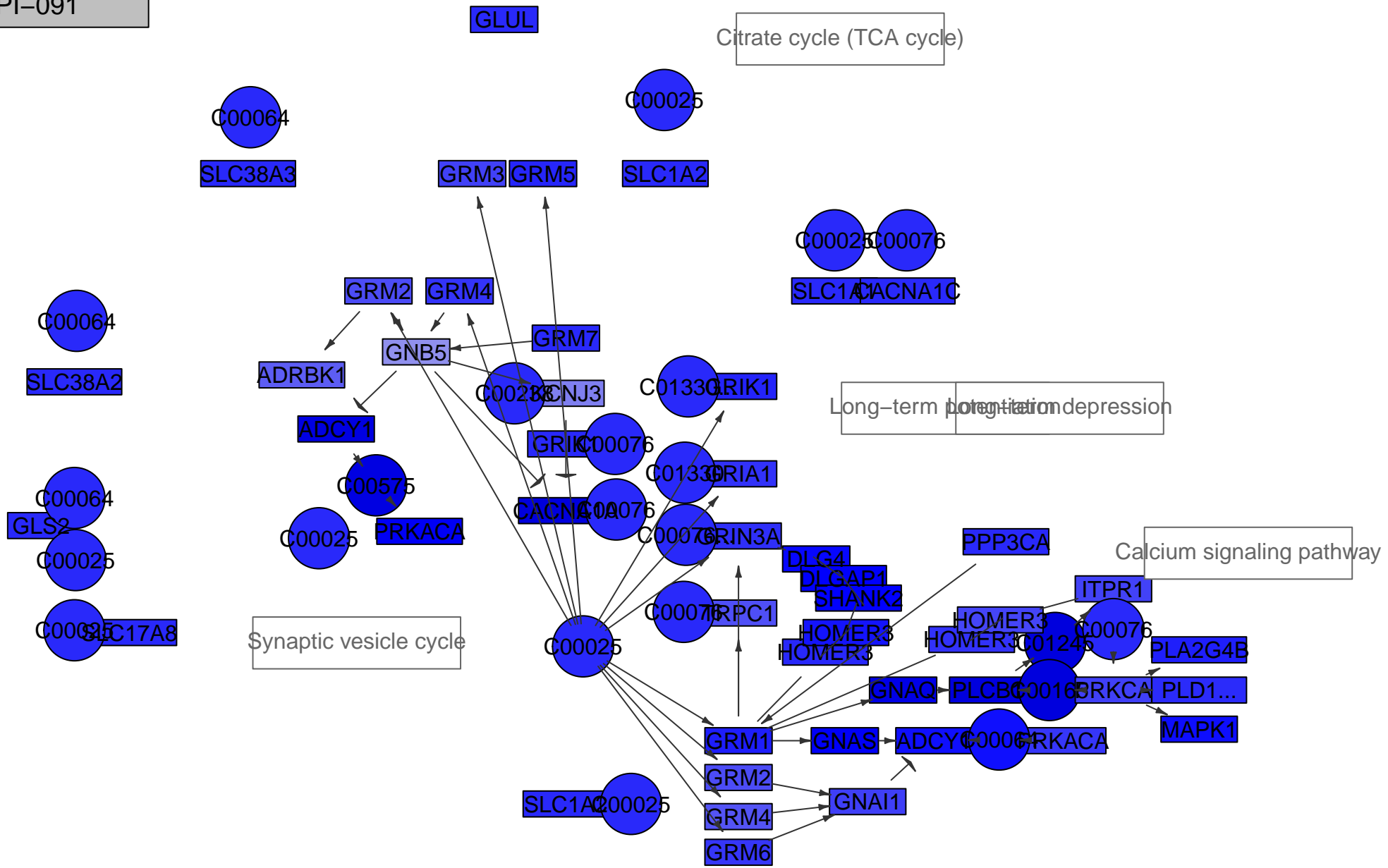
Glutamatergic synapse
MPI-086



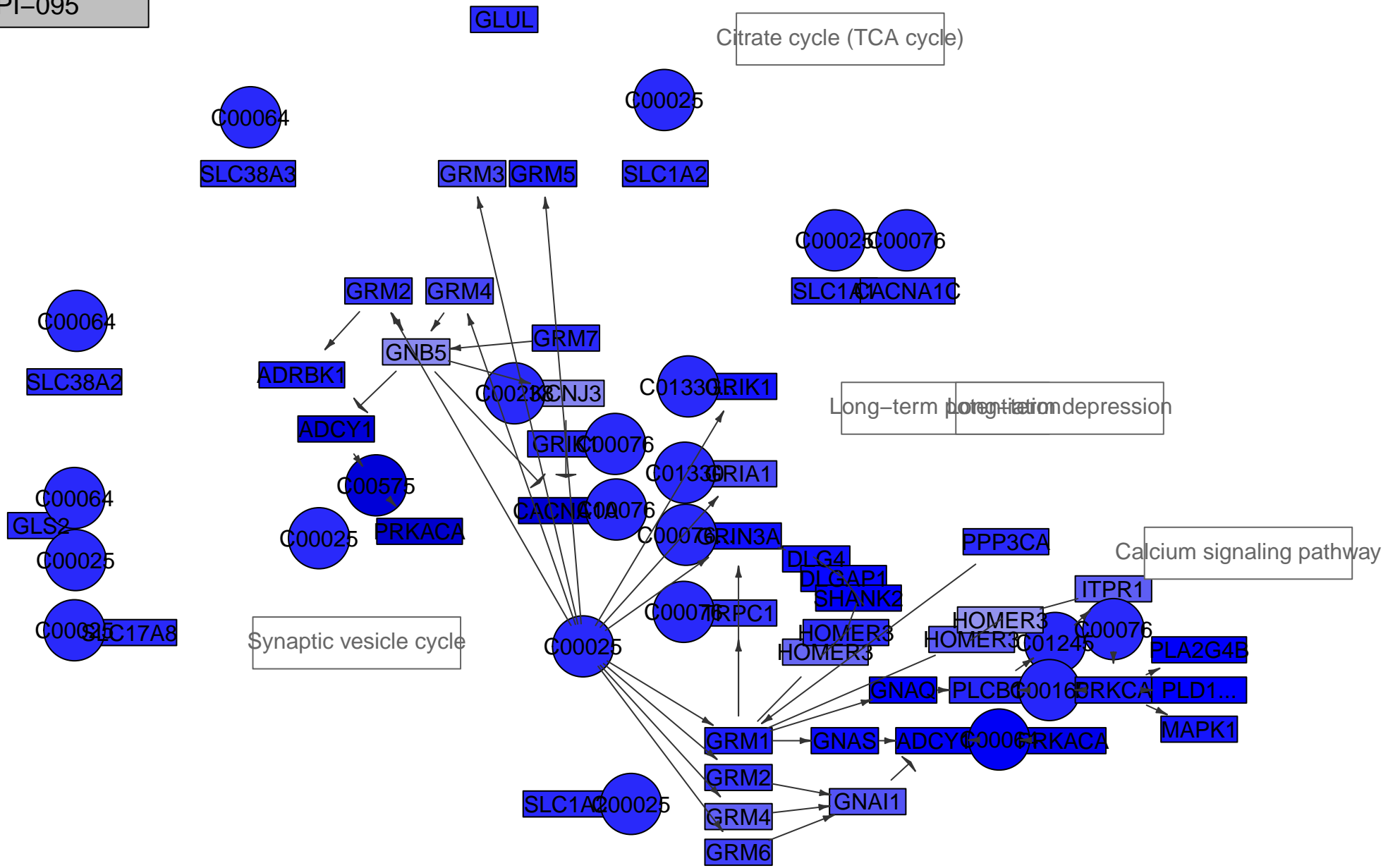
Glutamatergic synapse
MPI-087



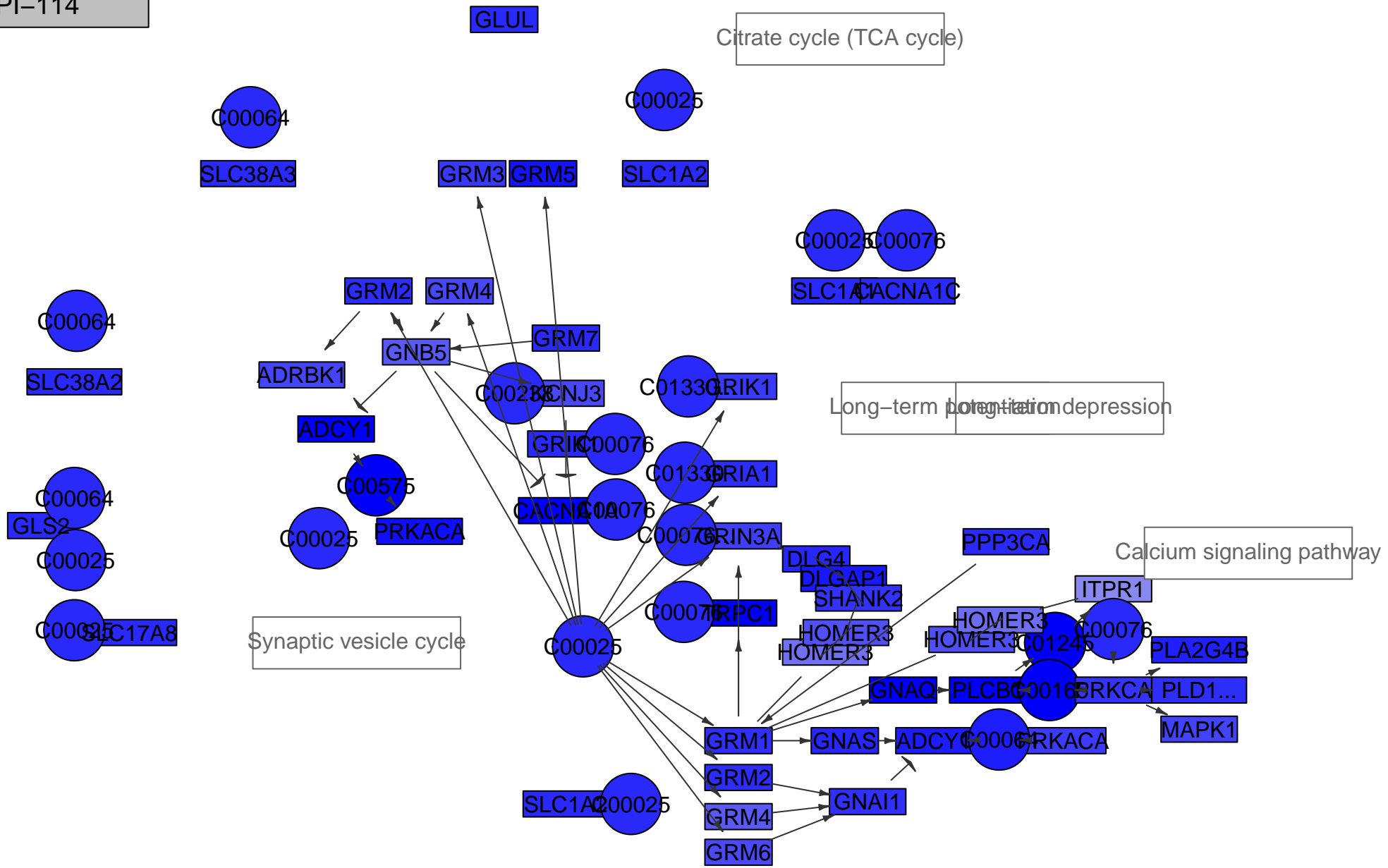
Glutamatergic synapse
MPI-091



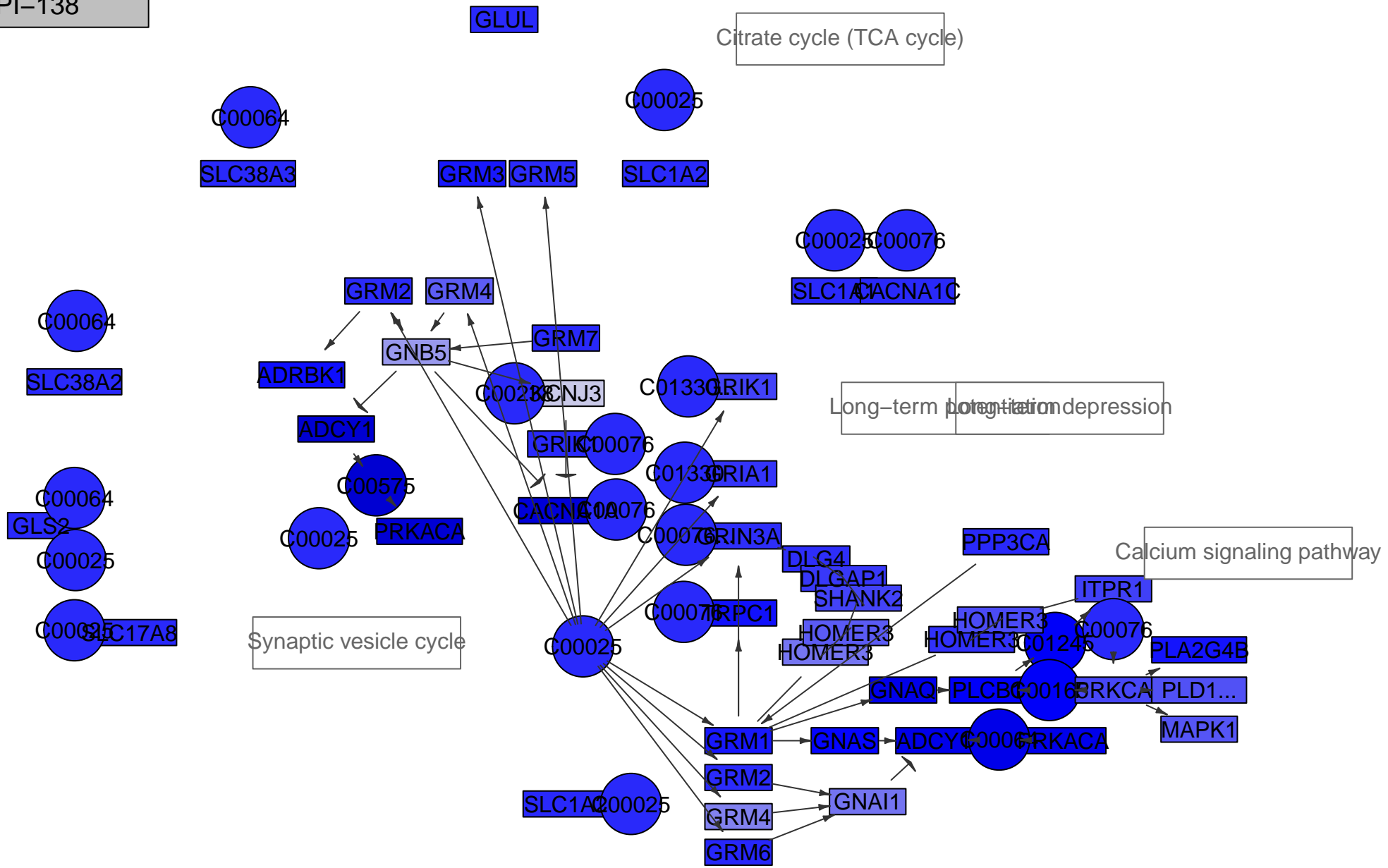
Glutamatergic synapse
MPI-095



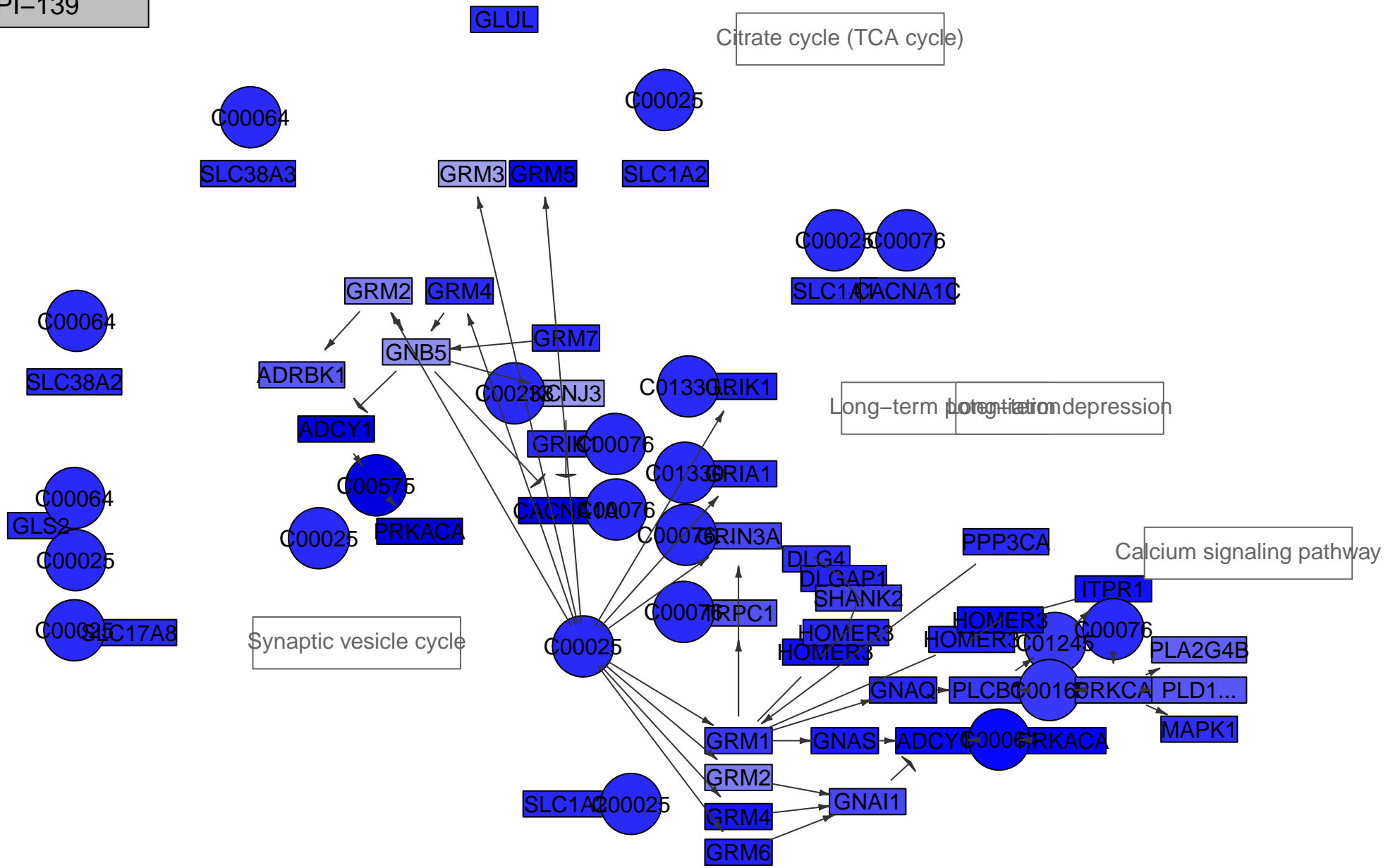
Glutamatergic synapse
MPI-114



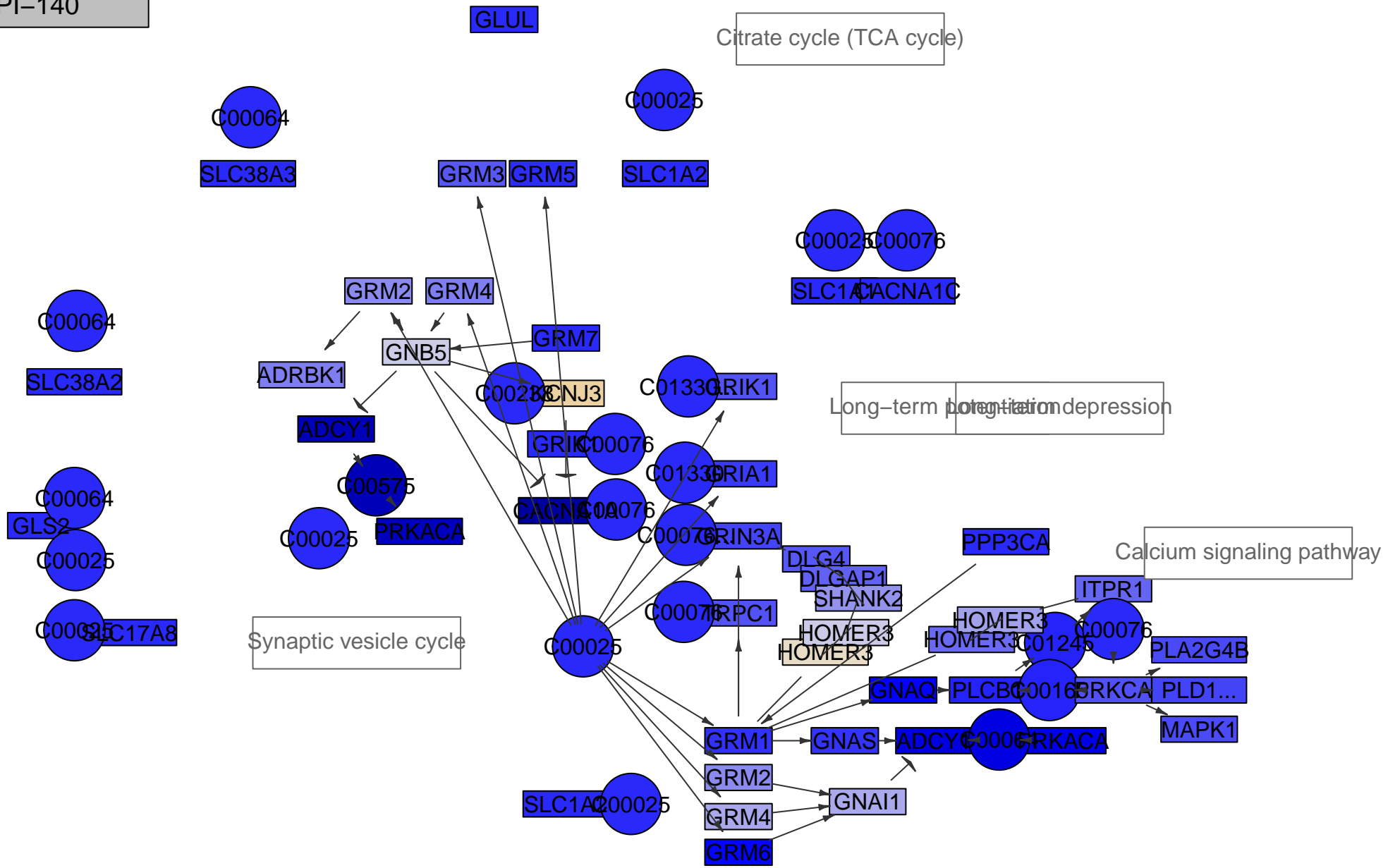
Glutamatergic synapse
MPI-138



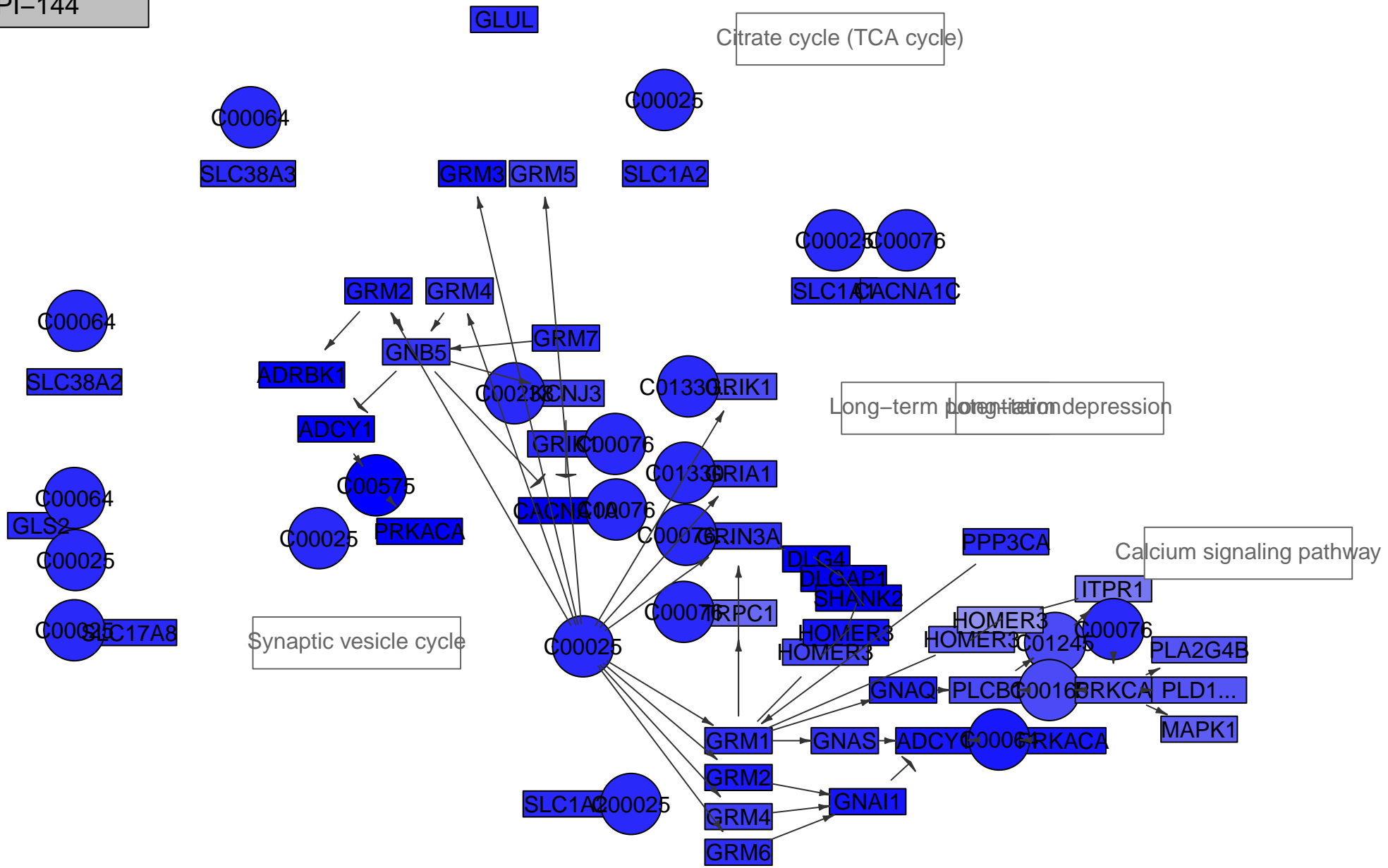
Glutamatergic synapse
MPI-139



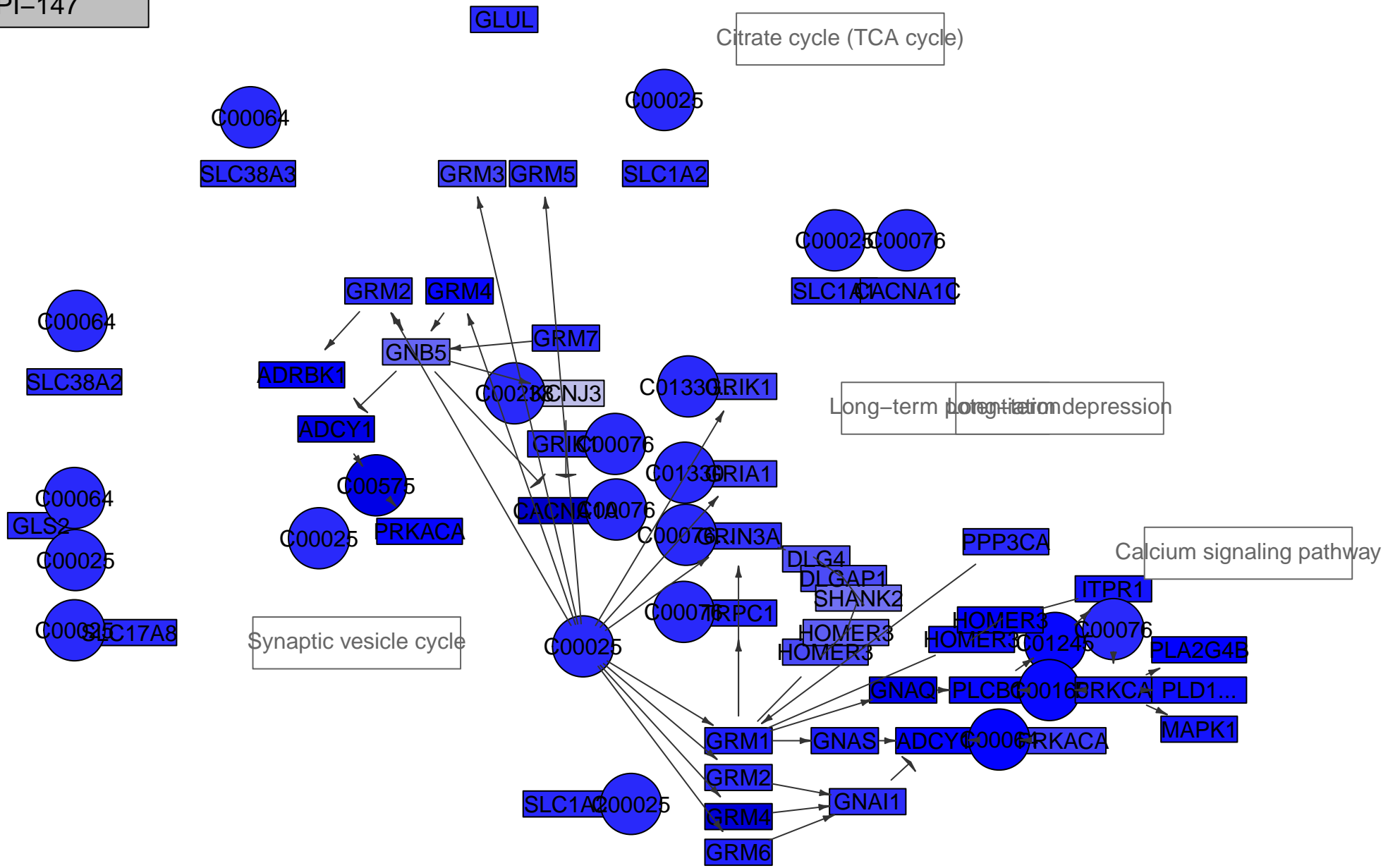
Glutamatergic synapse
MPI-140



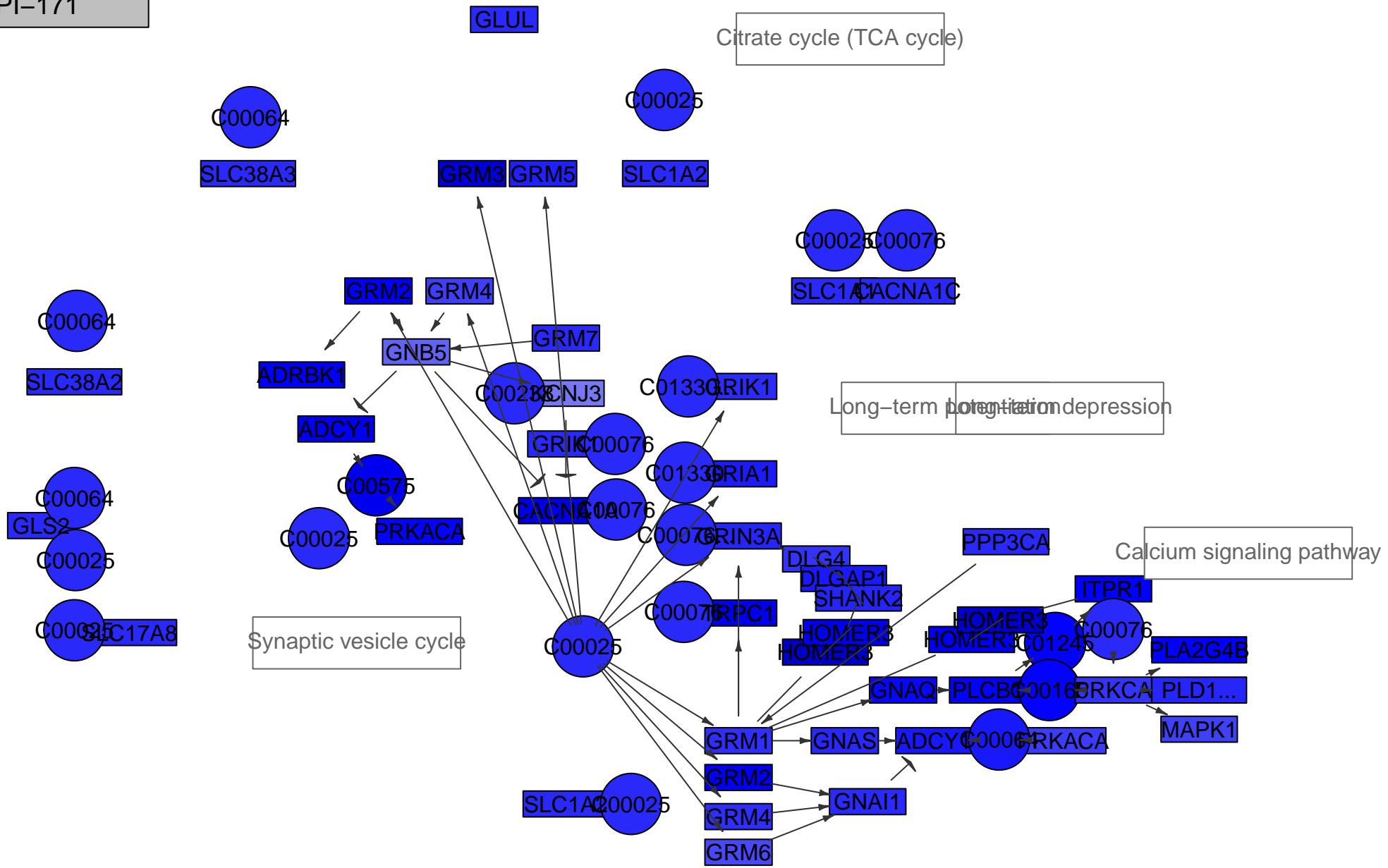
Glutamatergic synapse
MPI-144



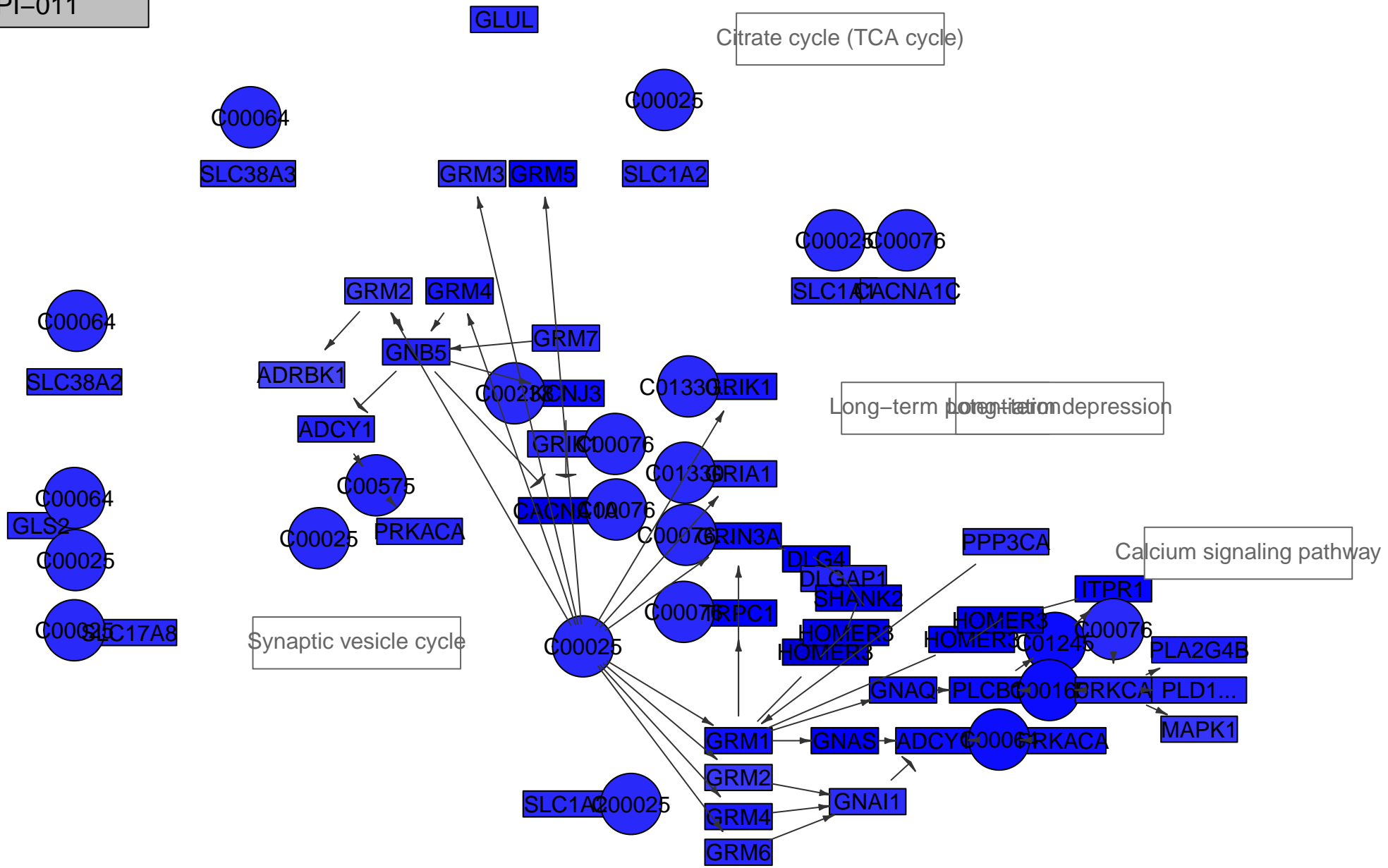
Glutamatergic synapse
MPI-147



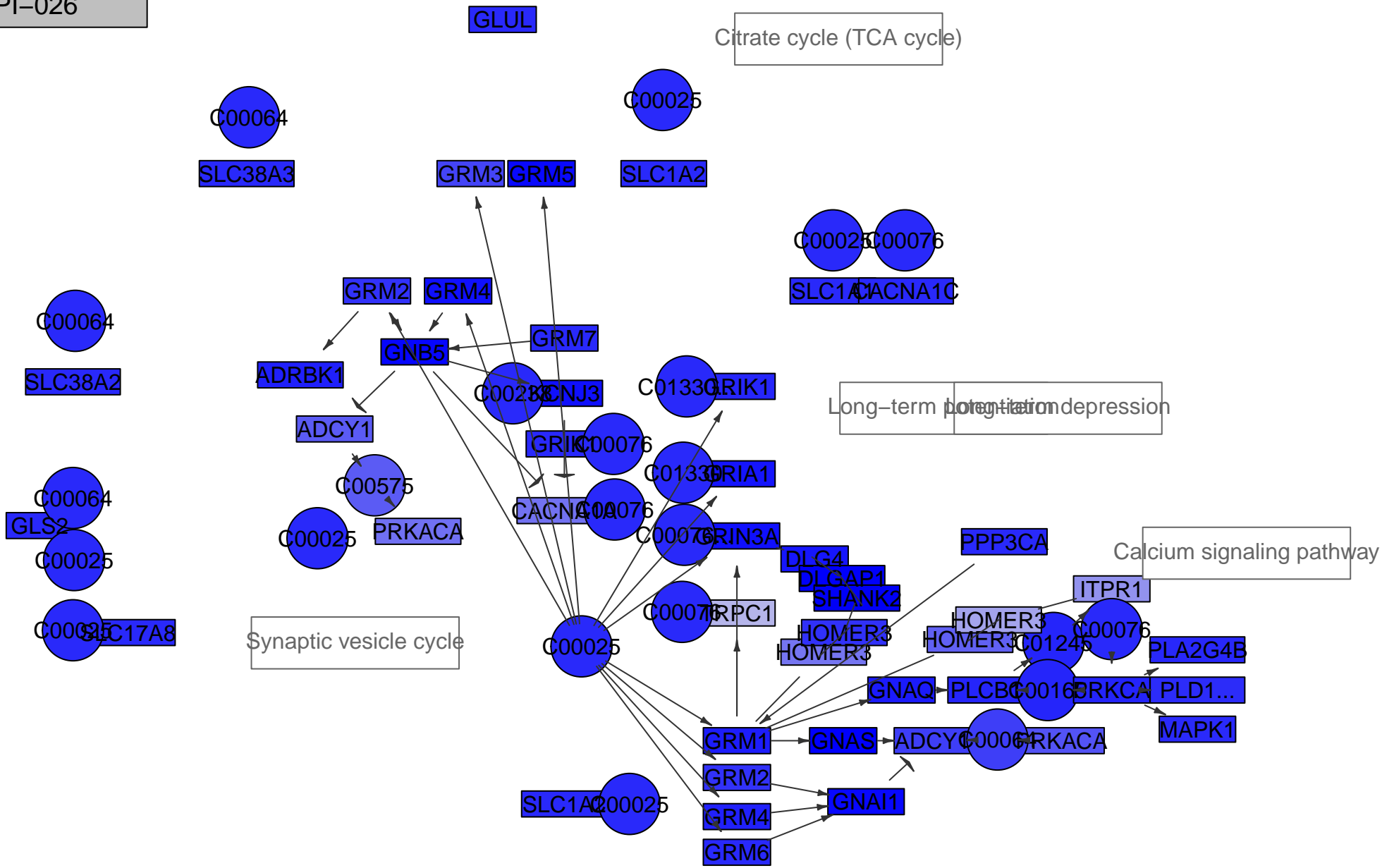
Glutamatergic synapse
MPI-171



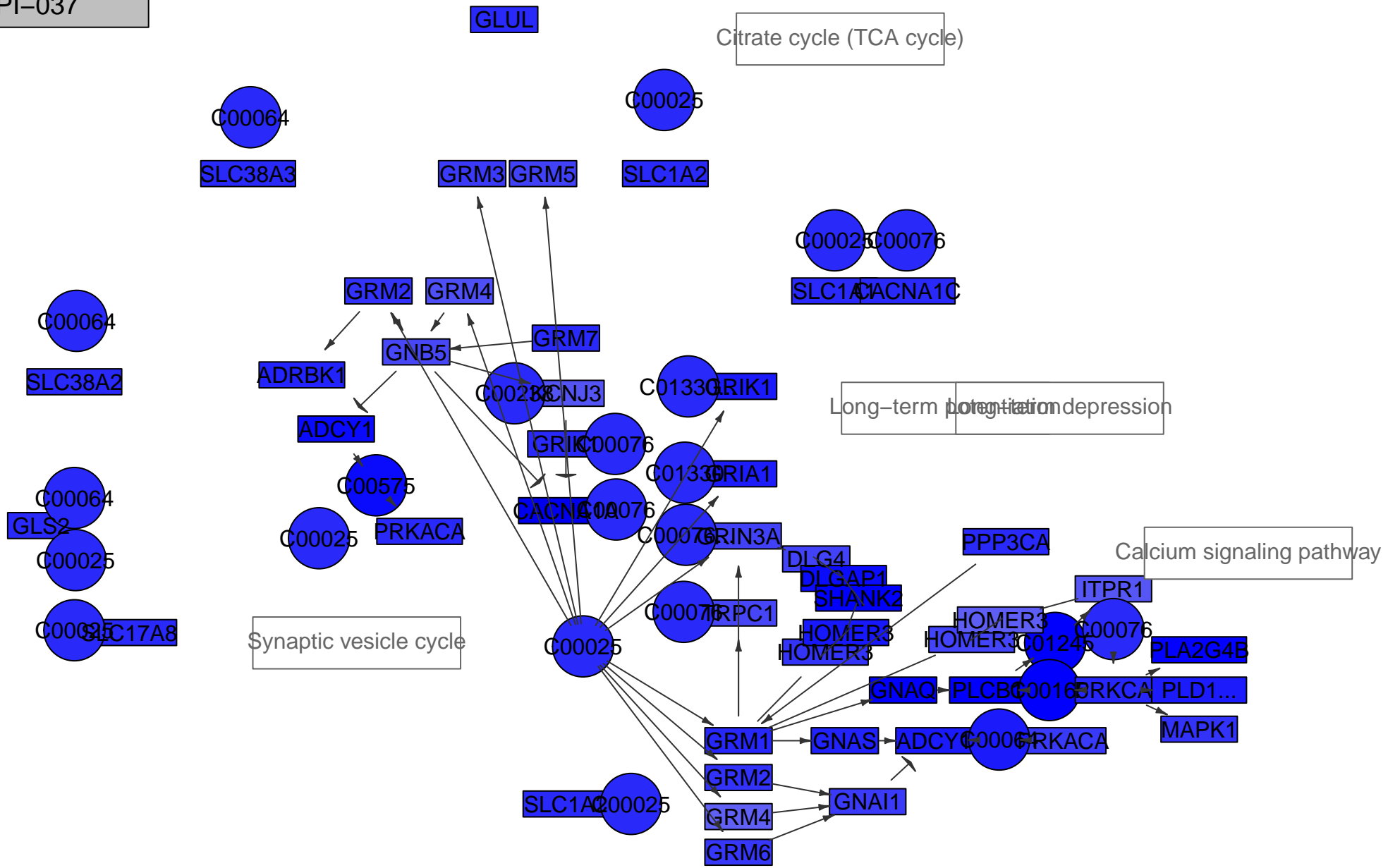
Glutamatergic synapse
MPI-011



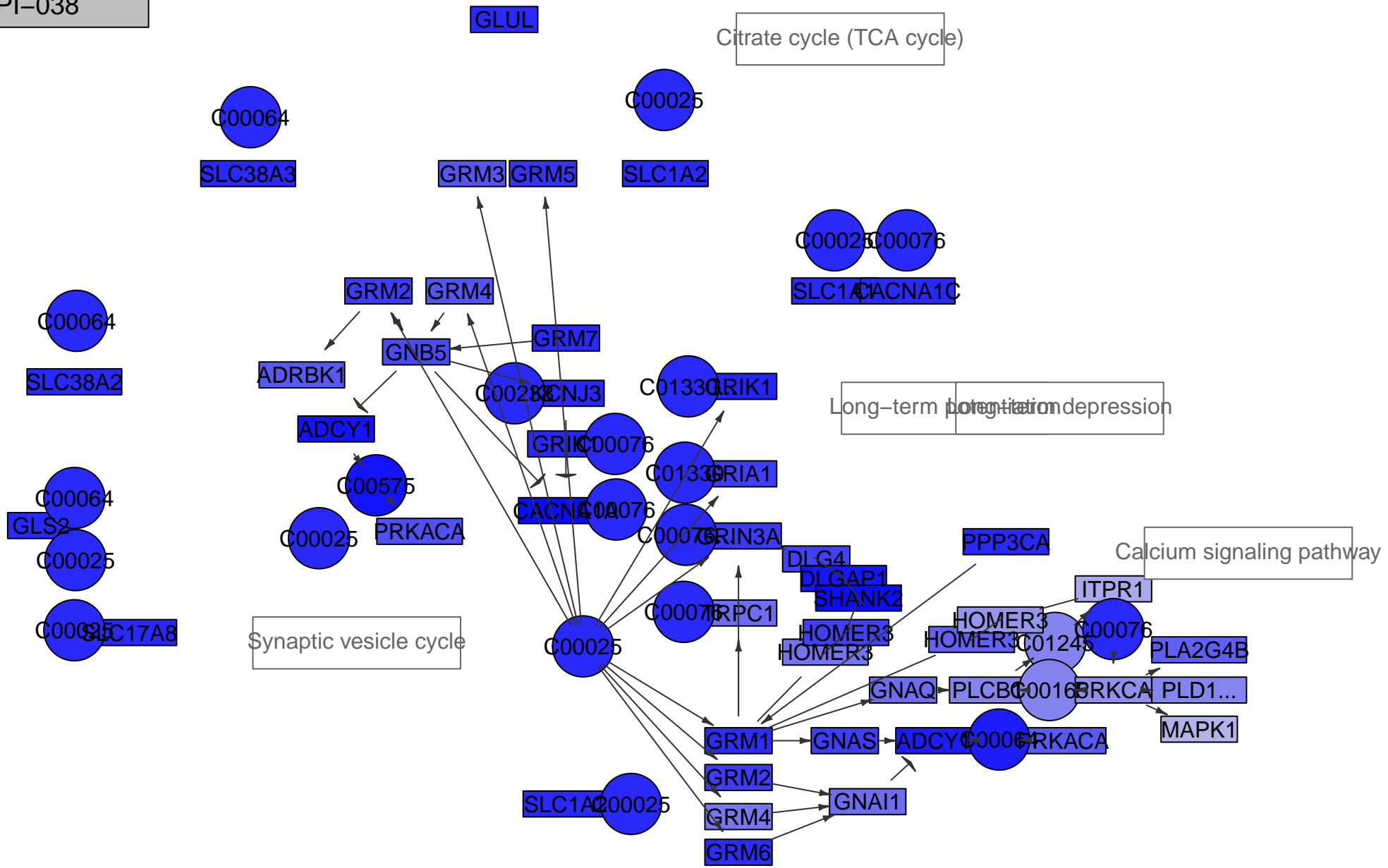
Glutamatergic synapse
MPI-026



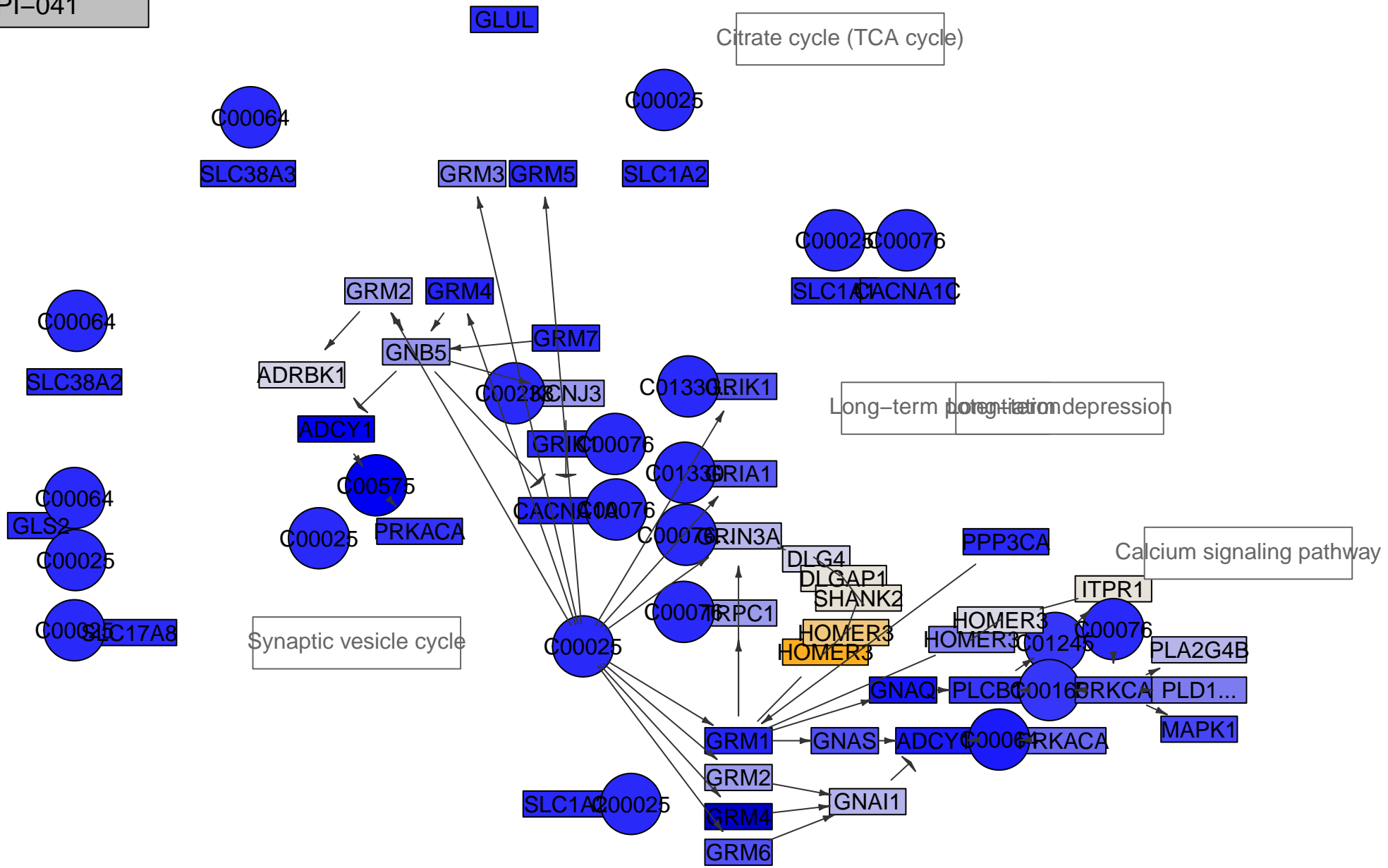
Glutamatergic synapse
MPI-037



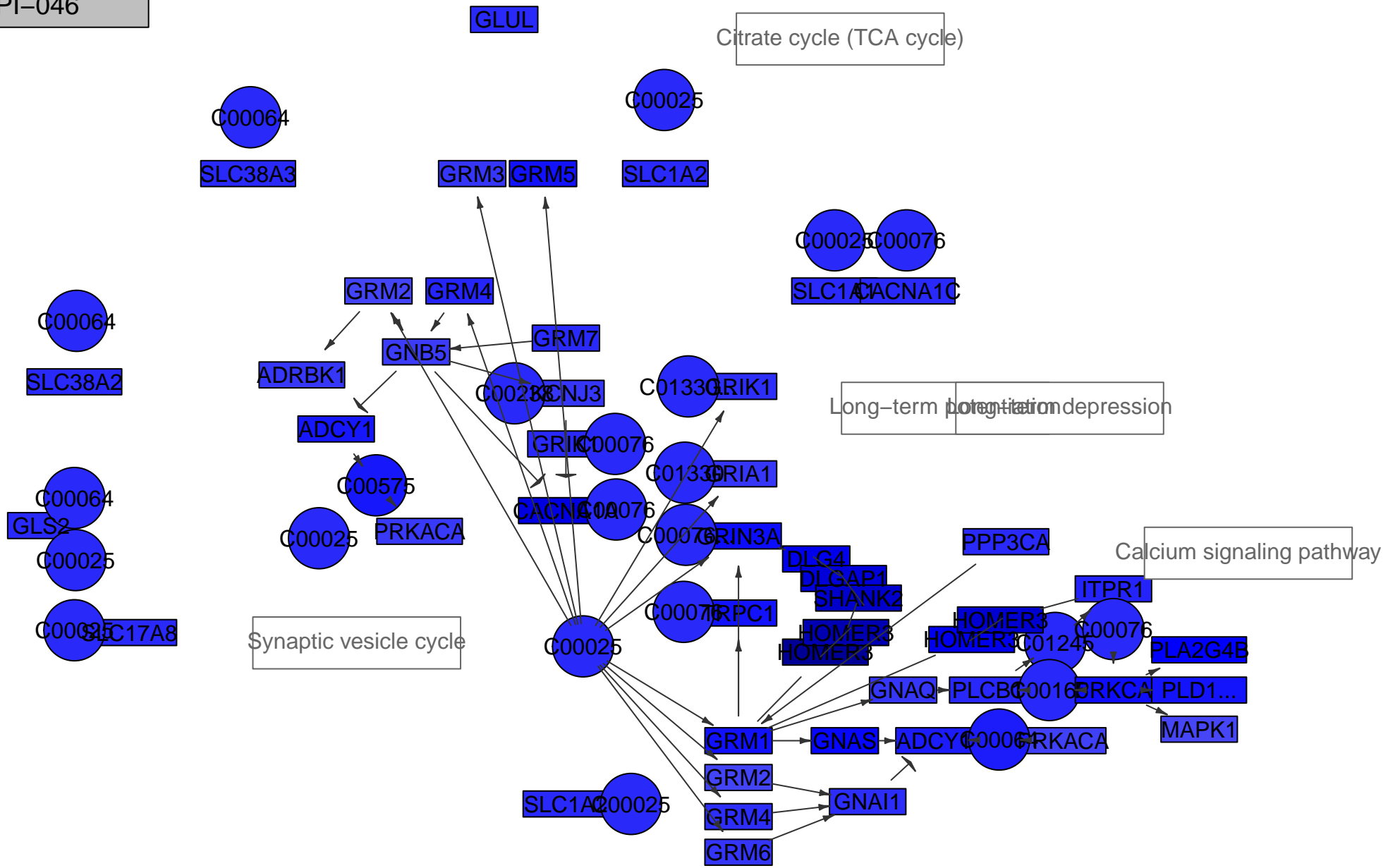
Glutamatergic synapse
MPI-038



Glutamatergic synapse
MPI-041



Glutamatergic synapse
MPI-046



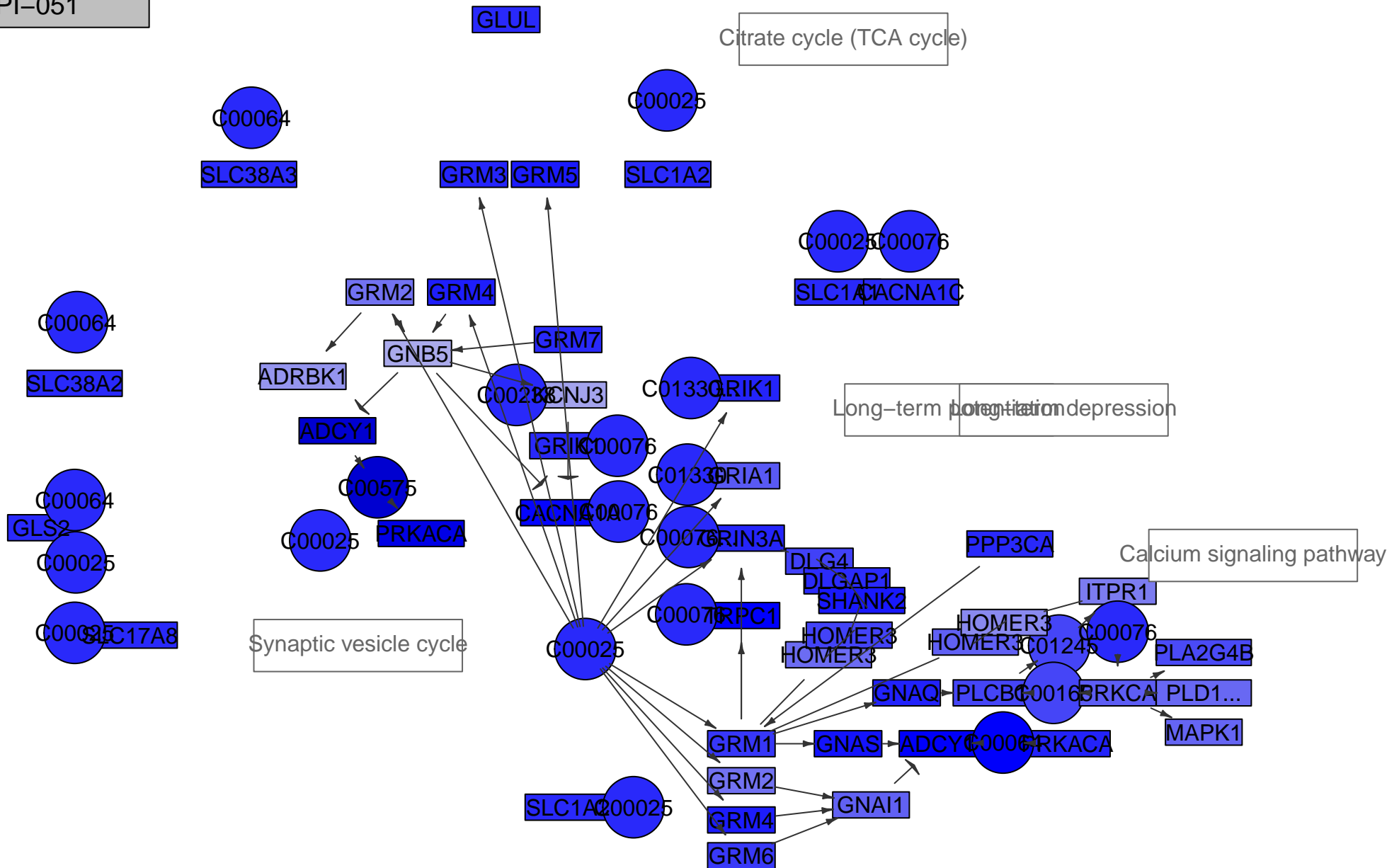
Citrate cycle (TCA cycle)

Long-term potentiation/depression

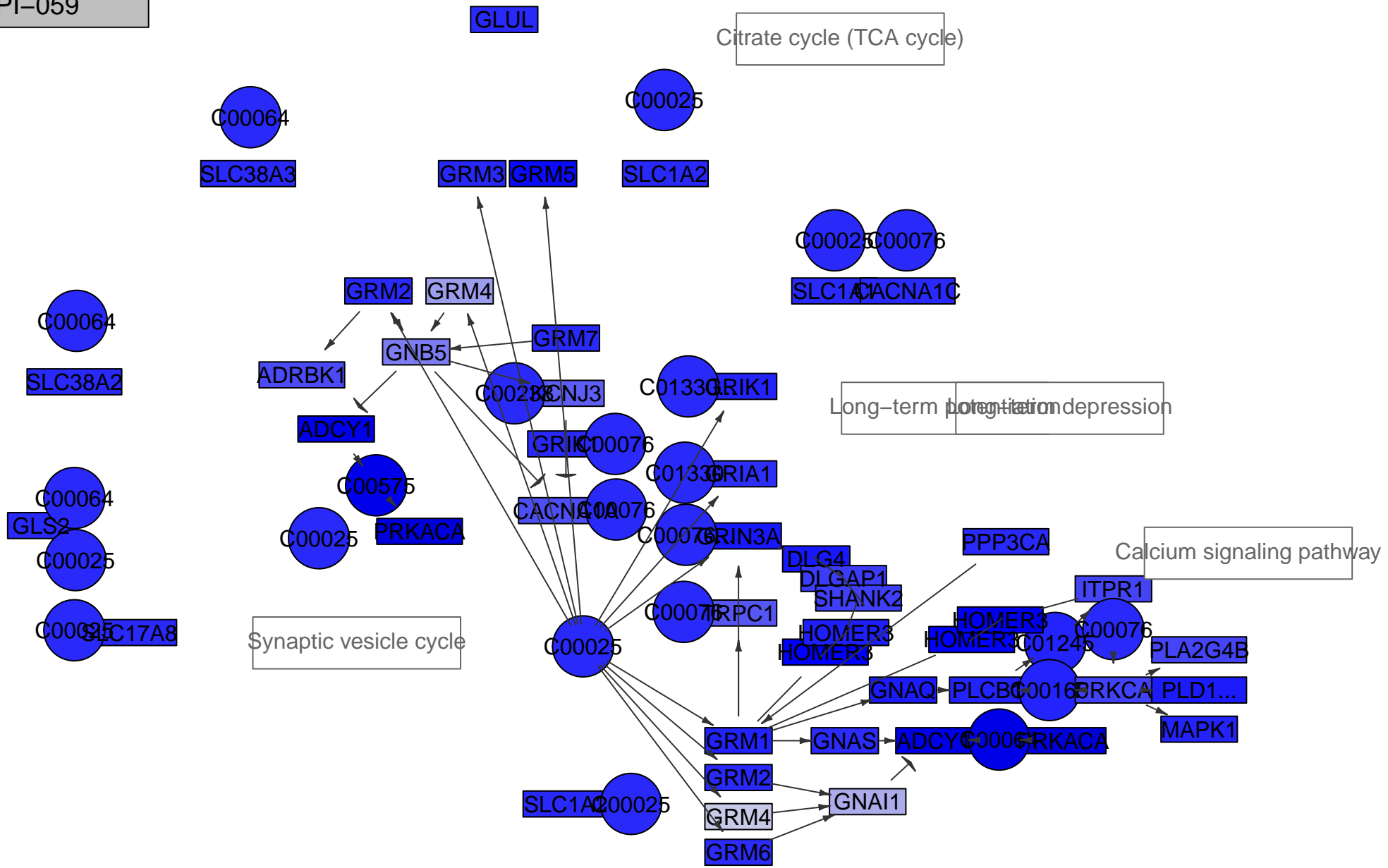
Calcium signaling pathway

Synaptic vesicle cycle

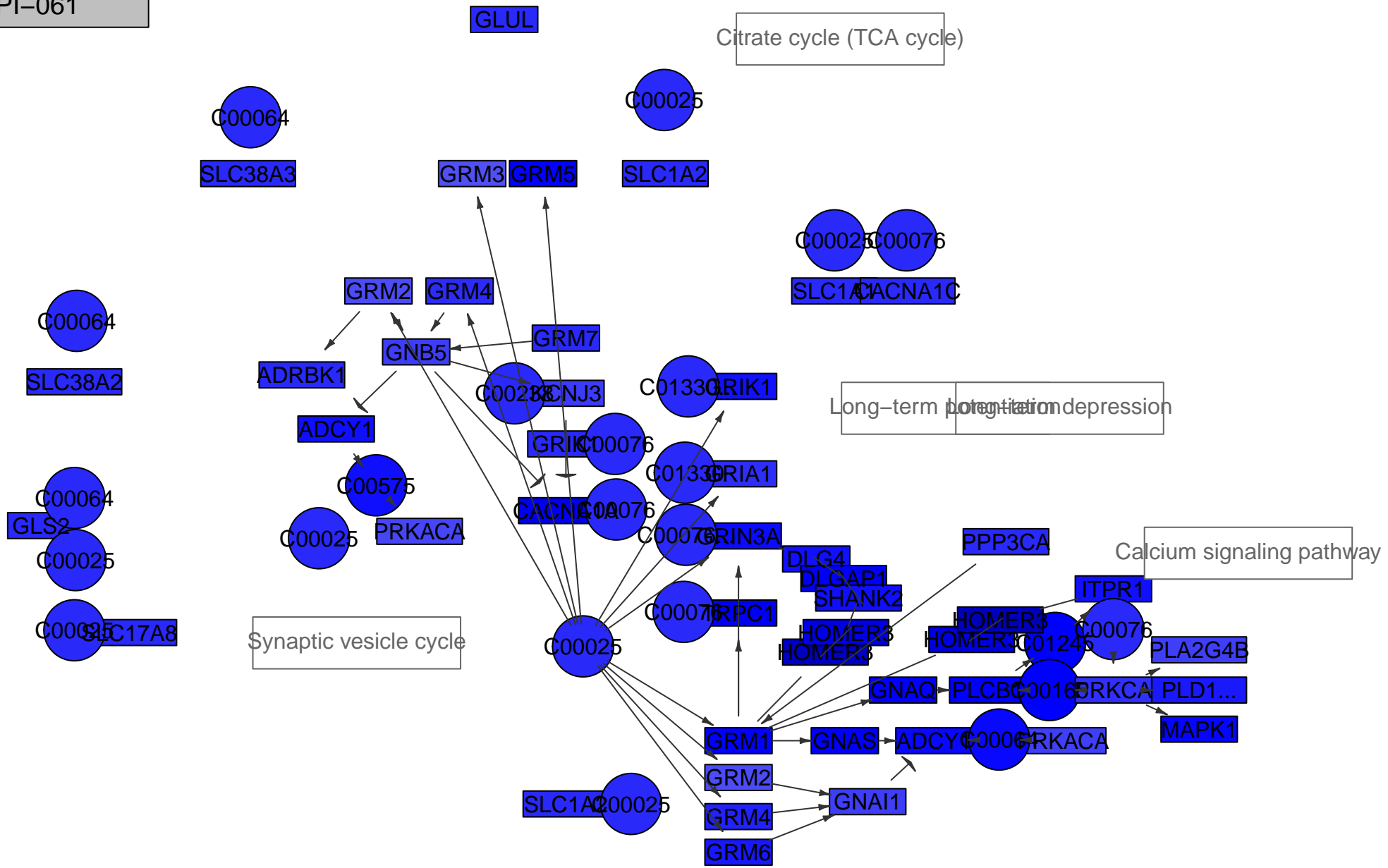
Glutamatergic synapse
MPI-051



Glutamatergic synapse
MPI-059



Glutamatergic synapse
MPI-061



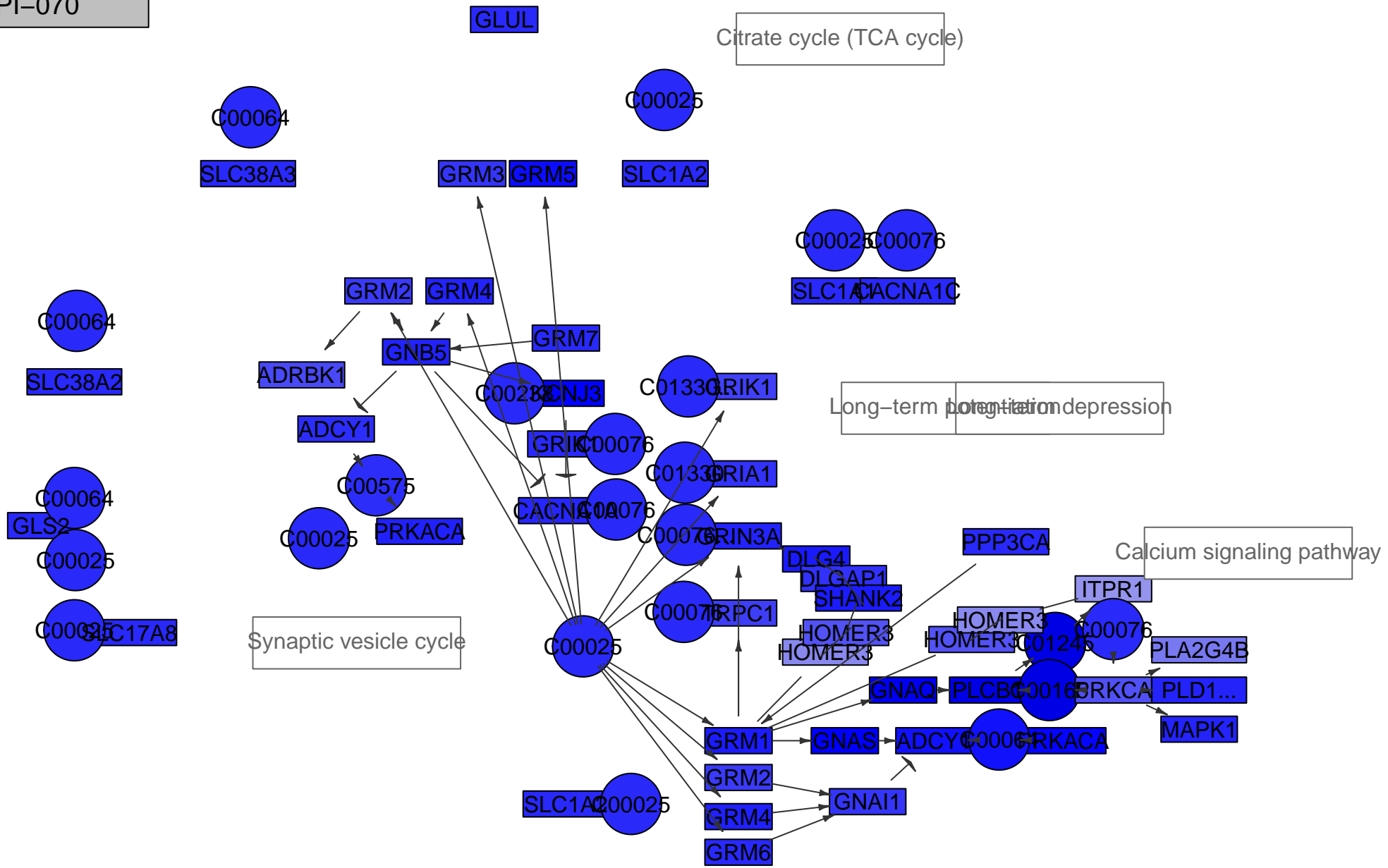
Citrate cycle (TCA cycle)

Long-term potentiation

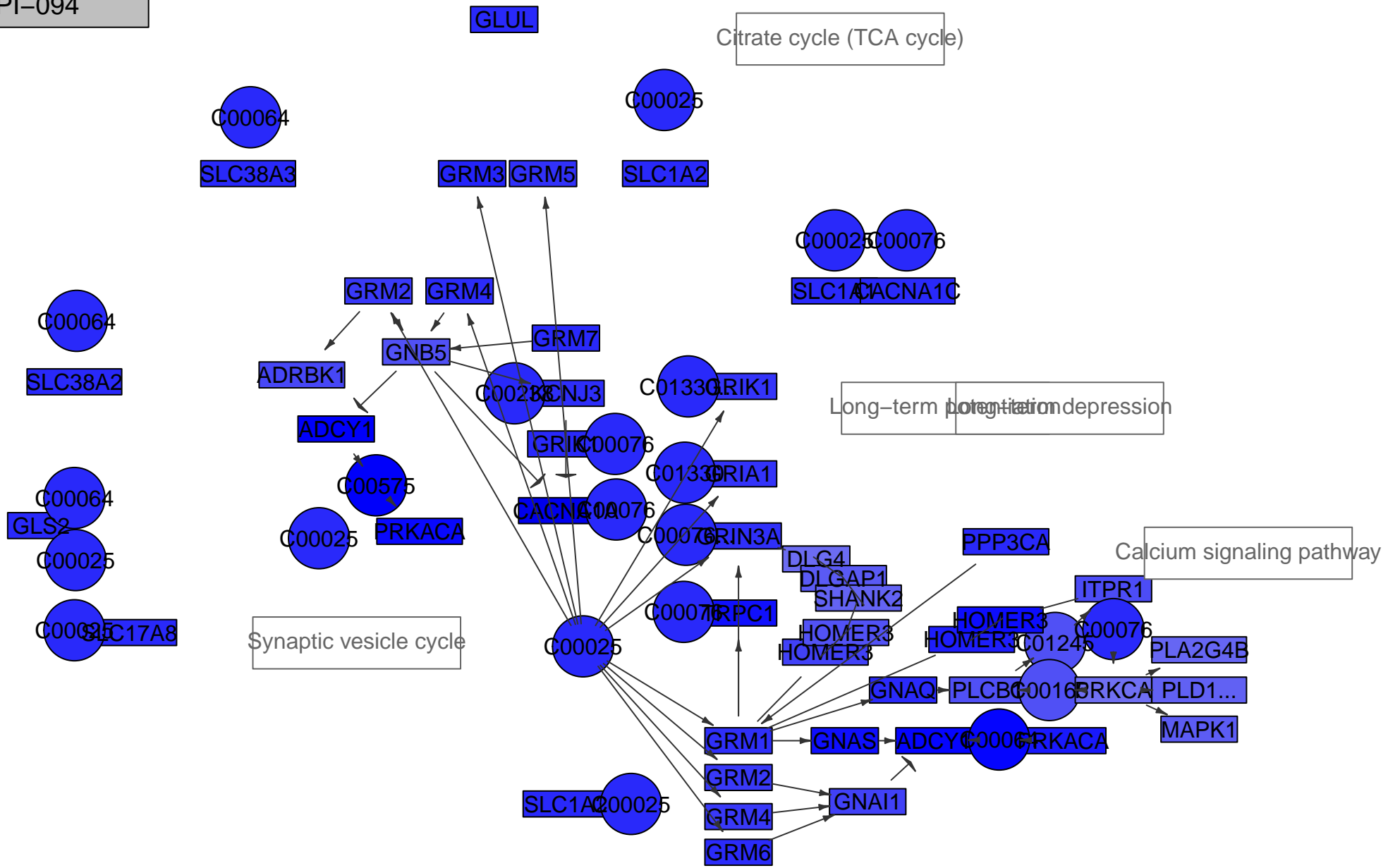
Calcium signaling pathway

Synaptic vesicle cycle

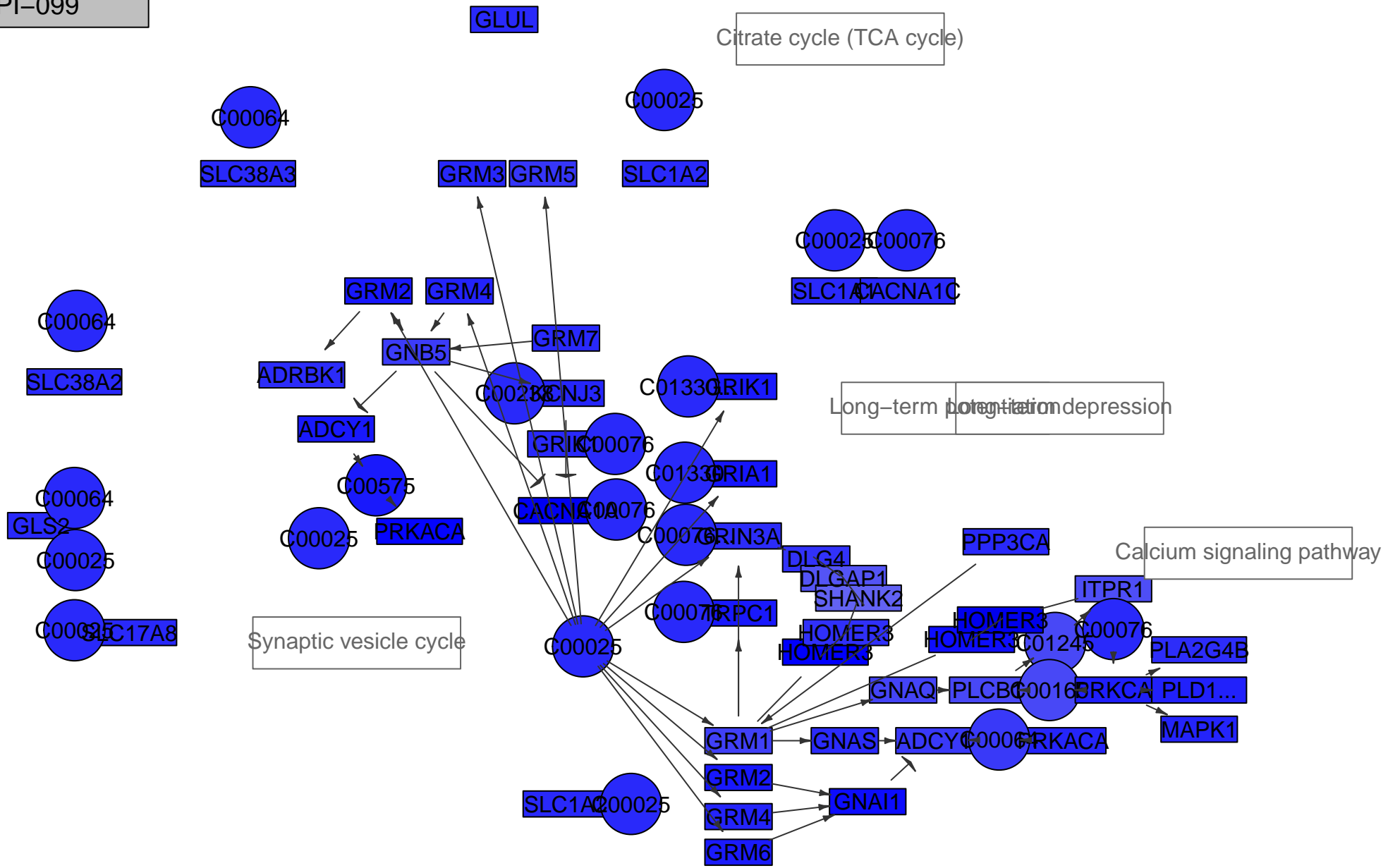
Glutamatergic synapse
MPI-070



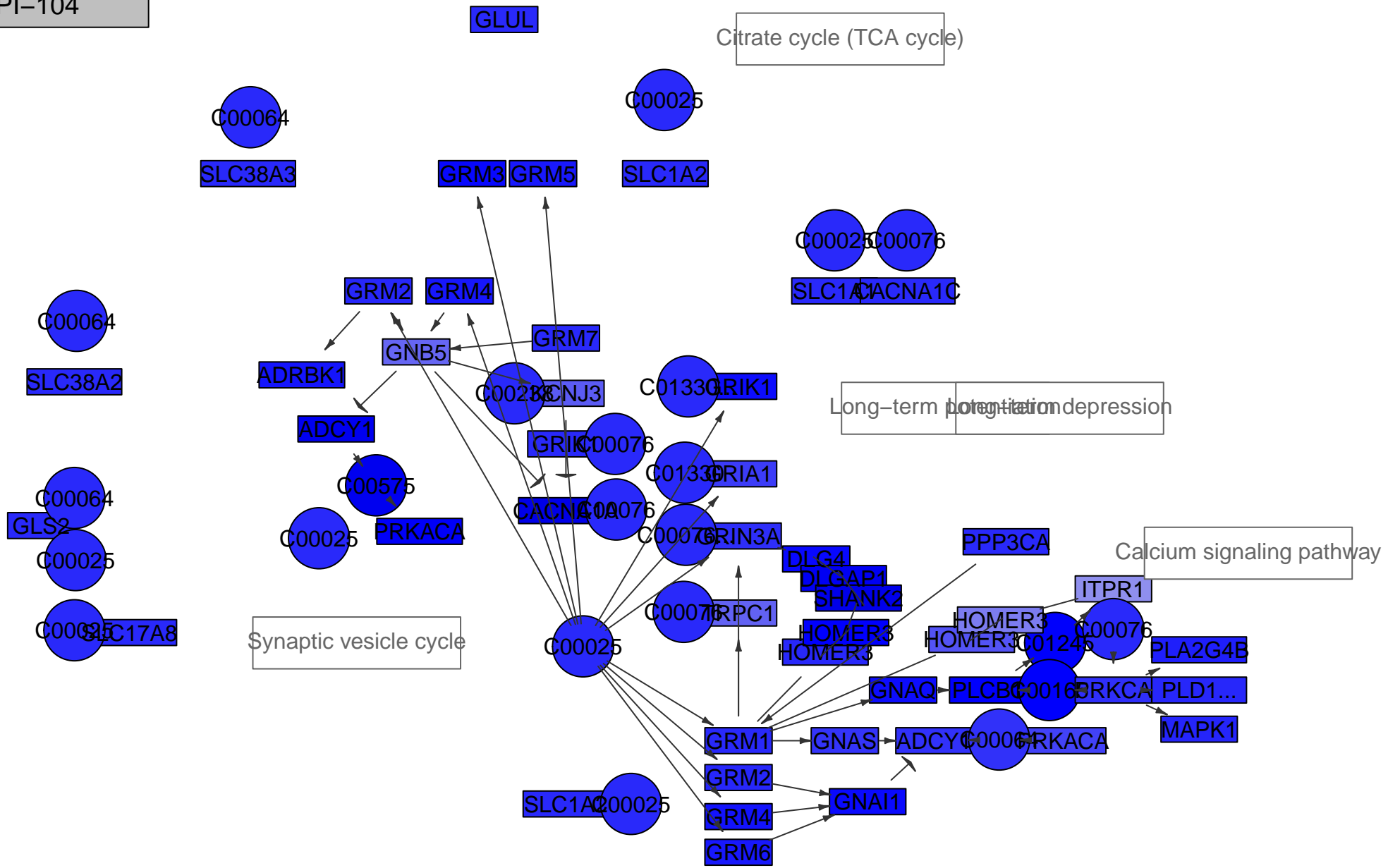
Glutamatergic synapse
MPI-094



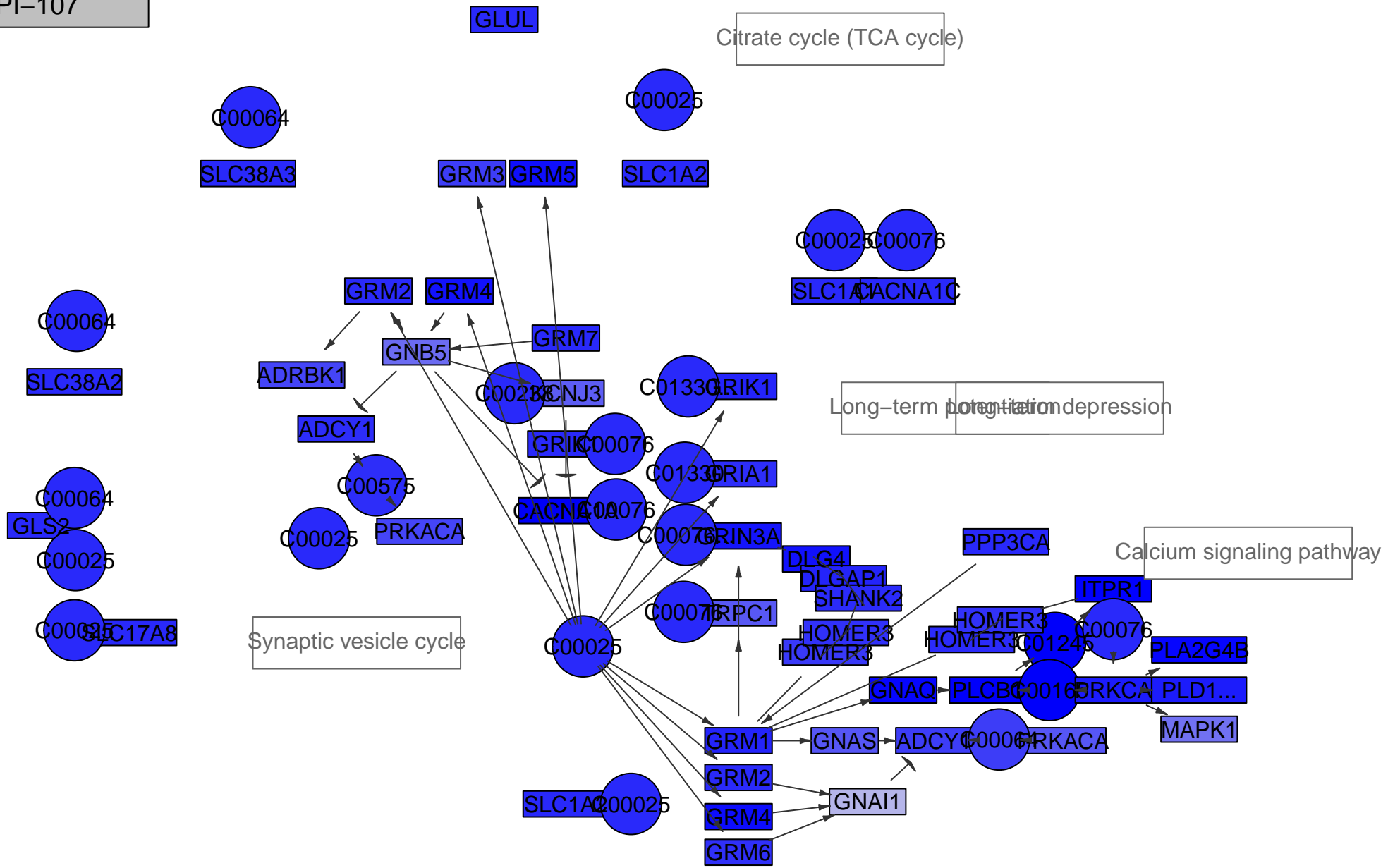
Glutamatergic synapse
MPI-099



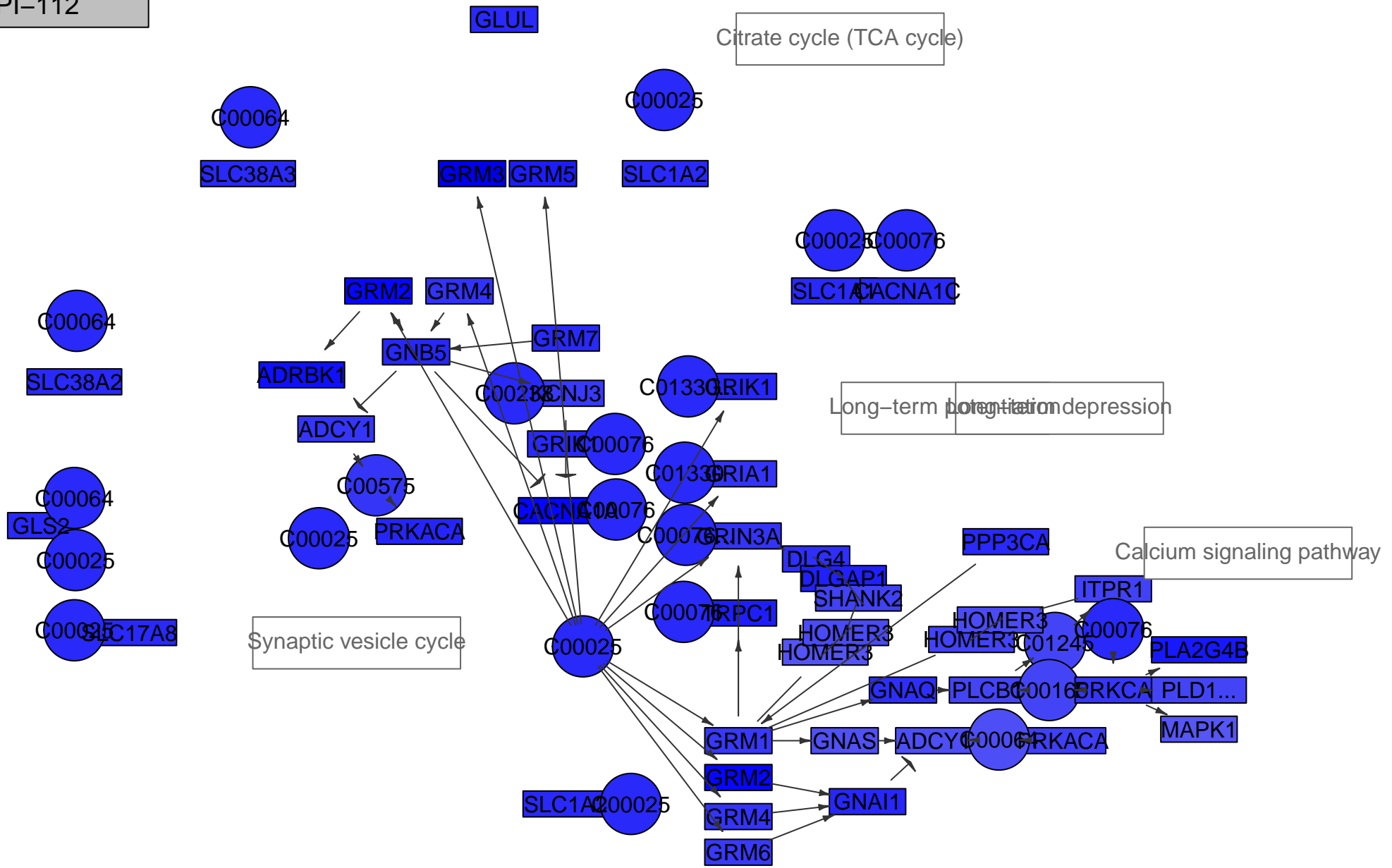
Glutamatergic synapse
MPI-104



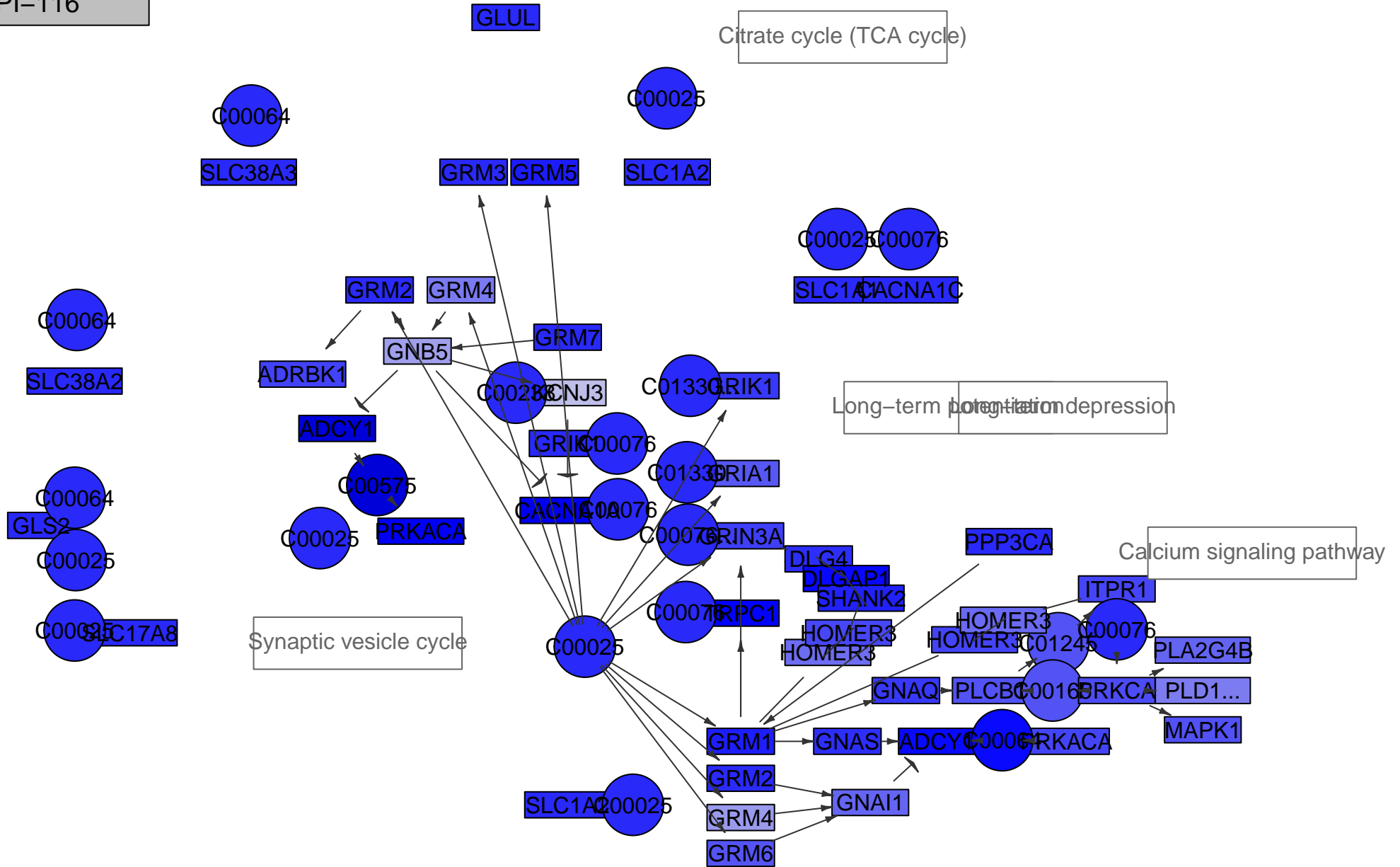
Glutamatergic synapse
MPI-107



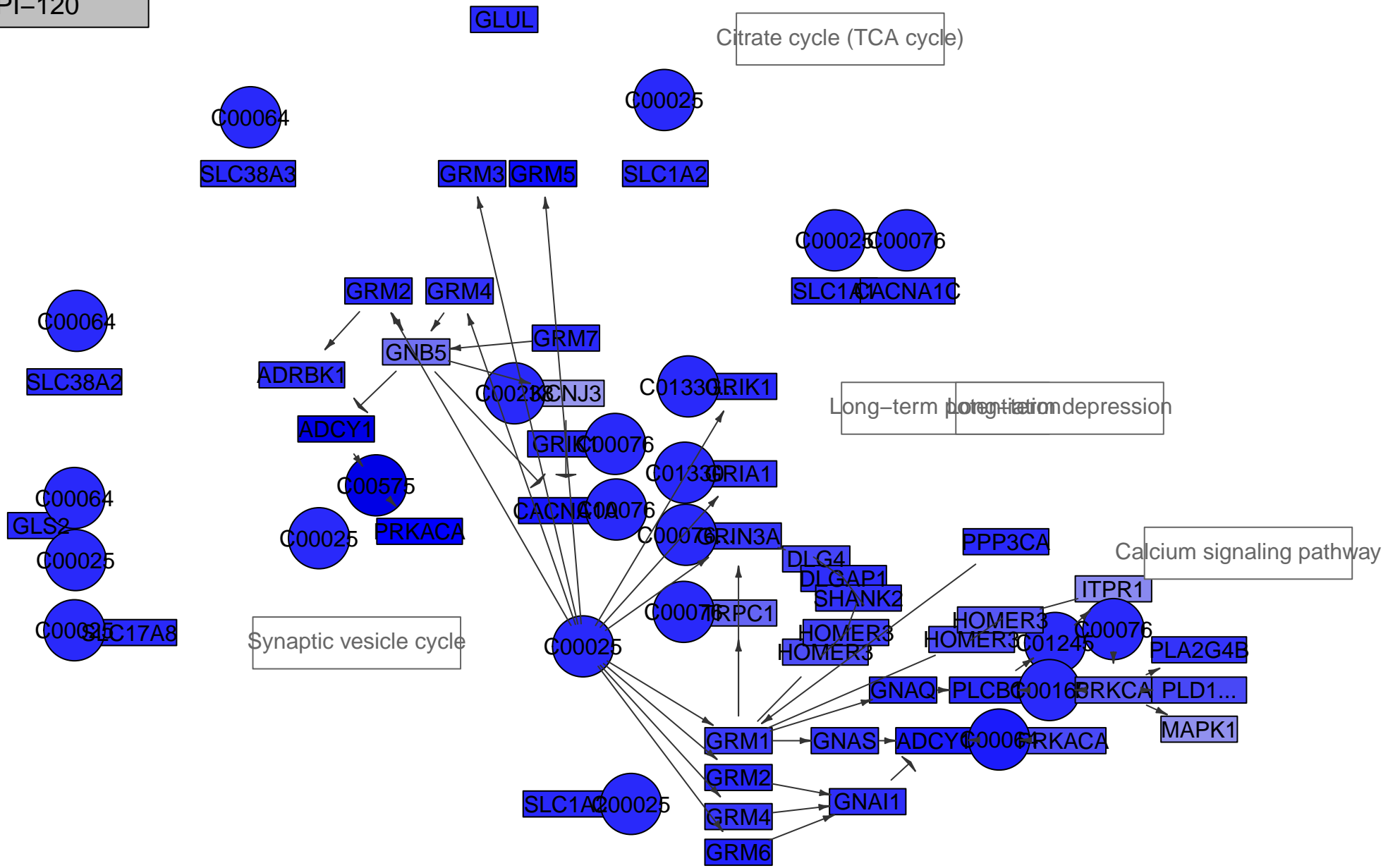
Glutamatergic synapse
MPI-112



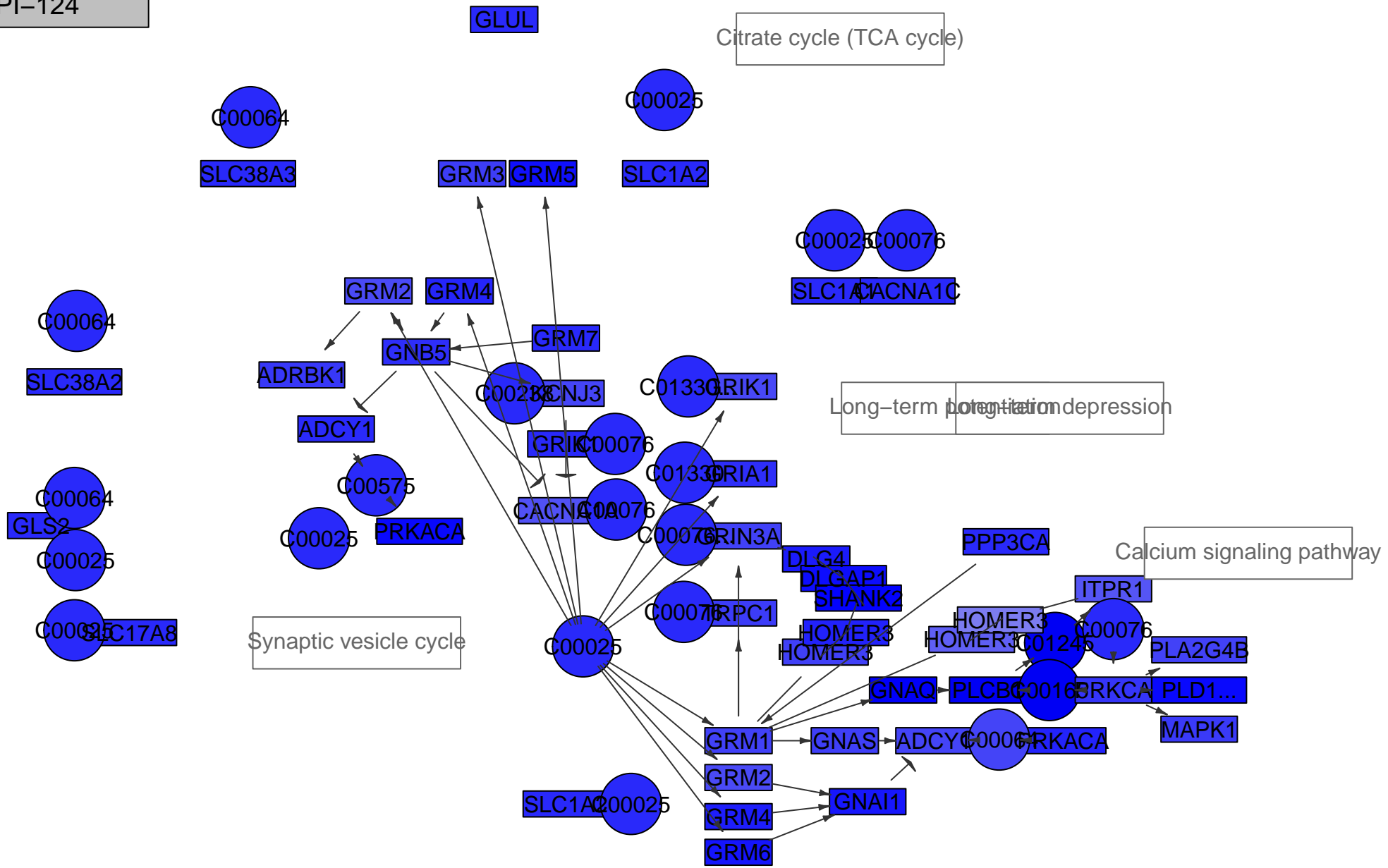
Glutamatergic synapse
MPI-116



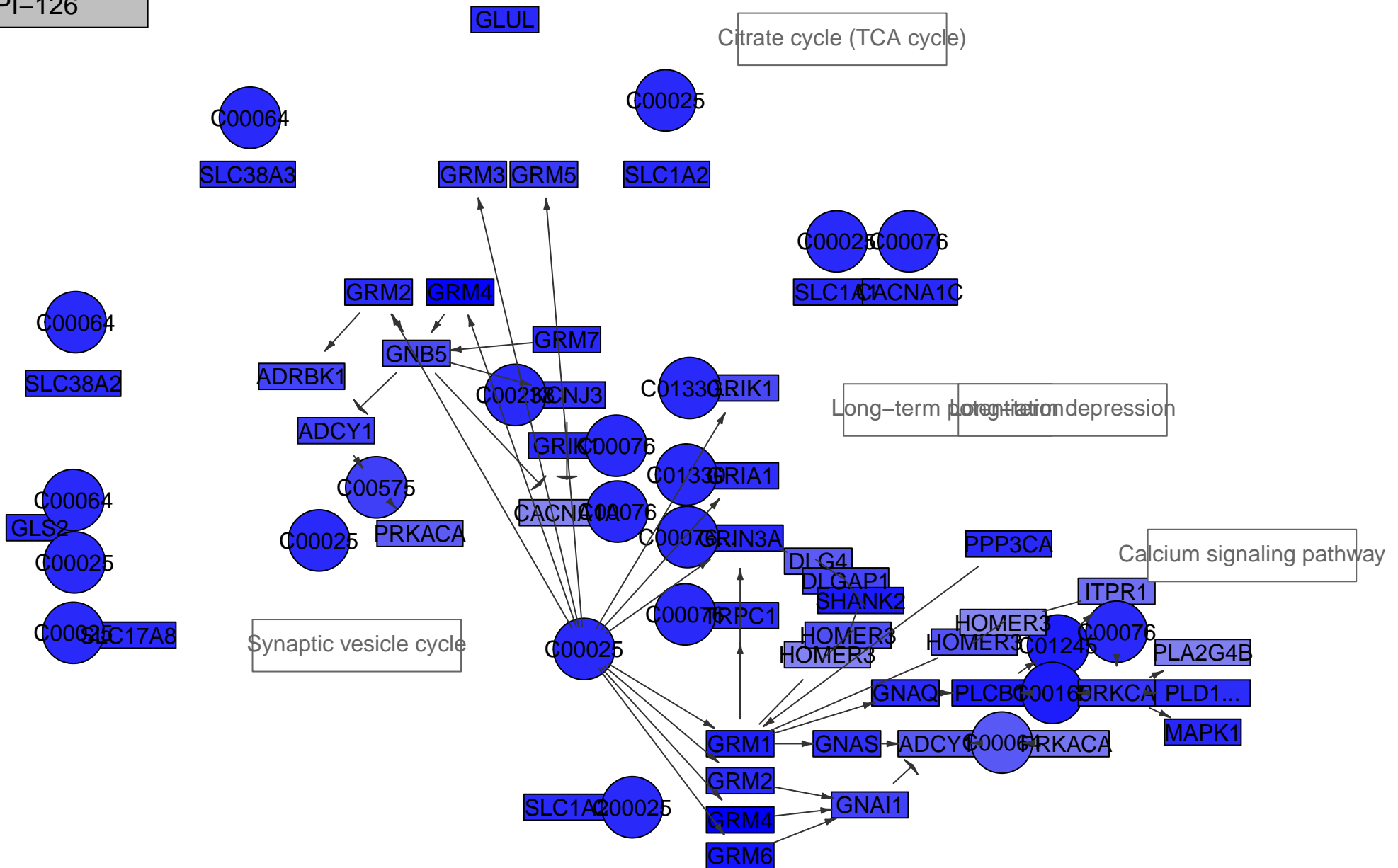
Glutamatergic synapse
MPI-120



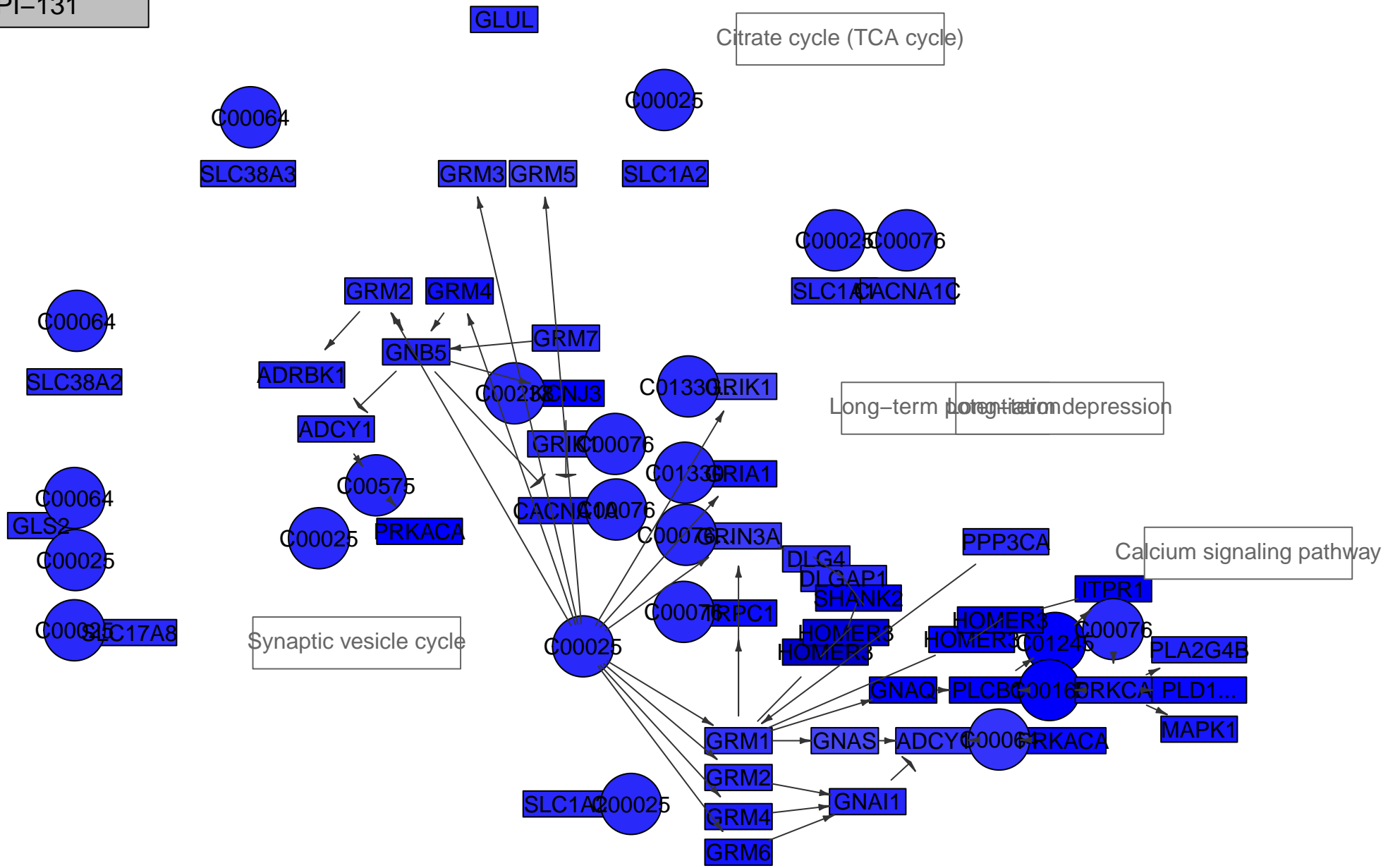
Glutamatergic synapse
MPI-124



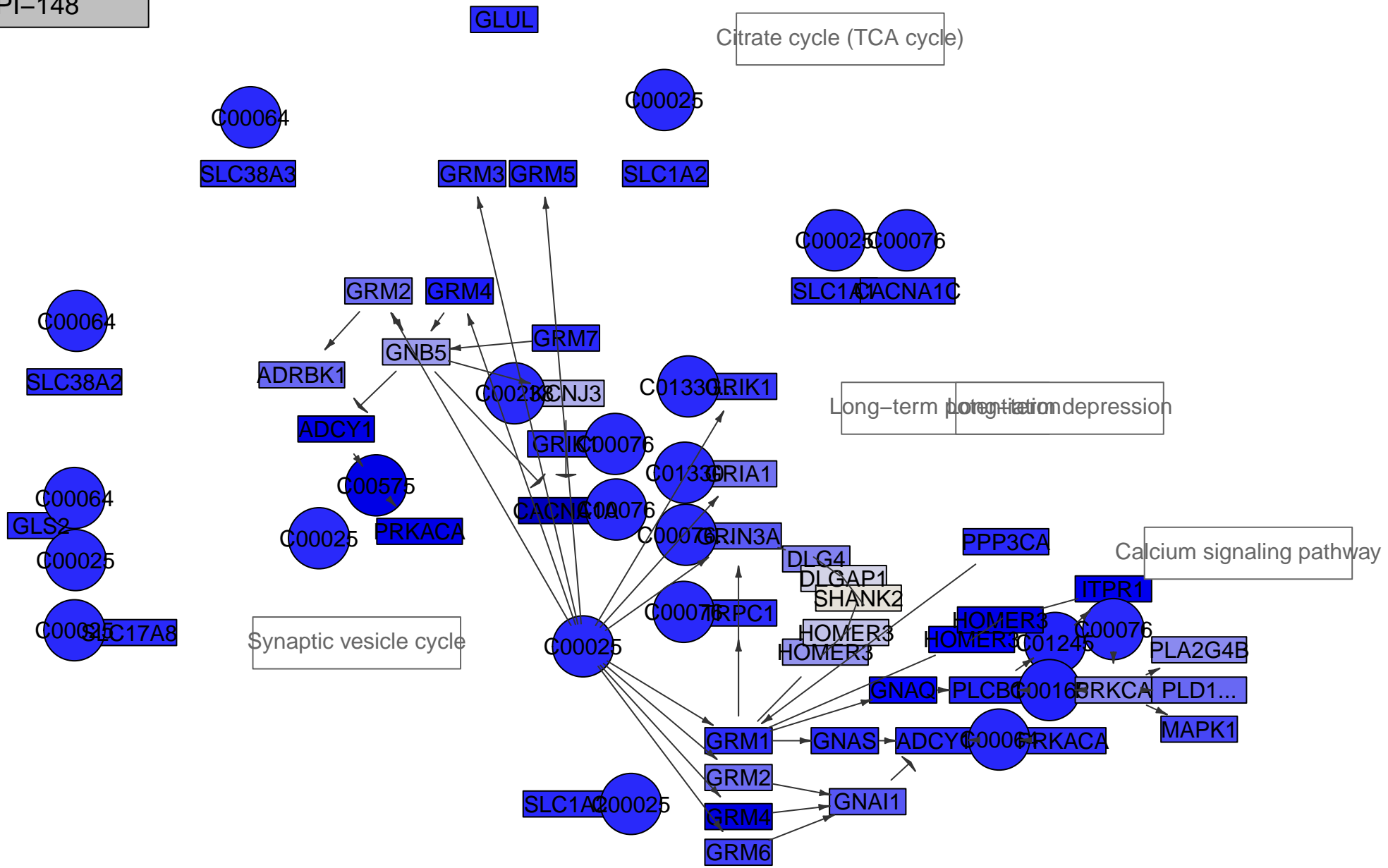
Glutamatergic synapse
MPI-126



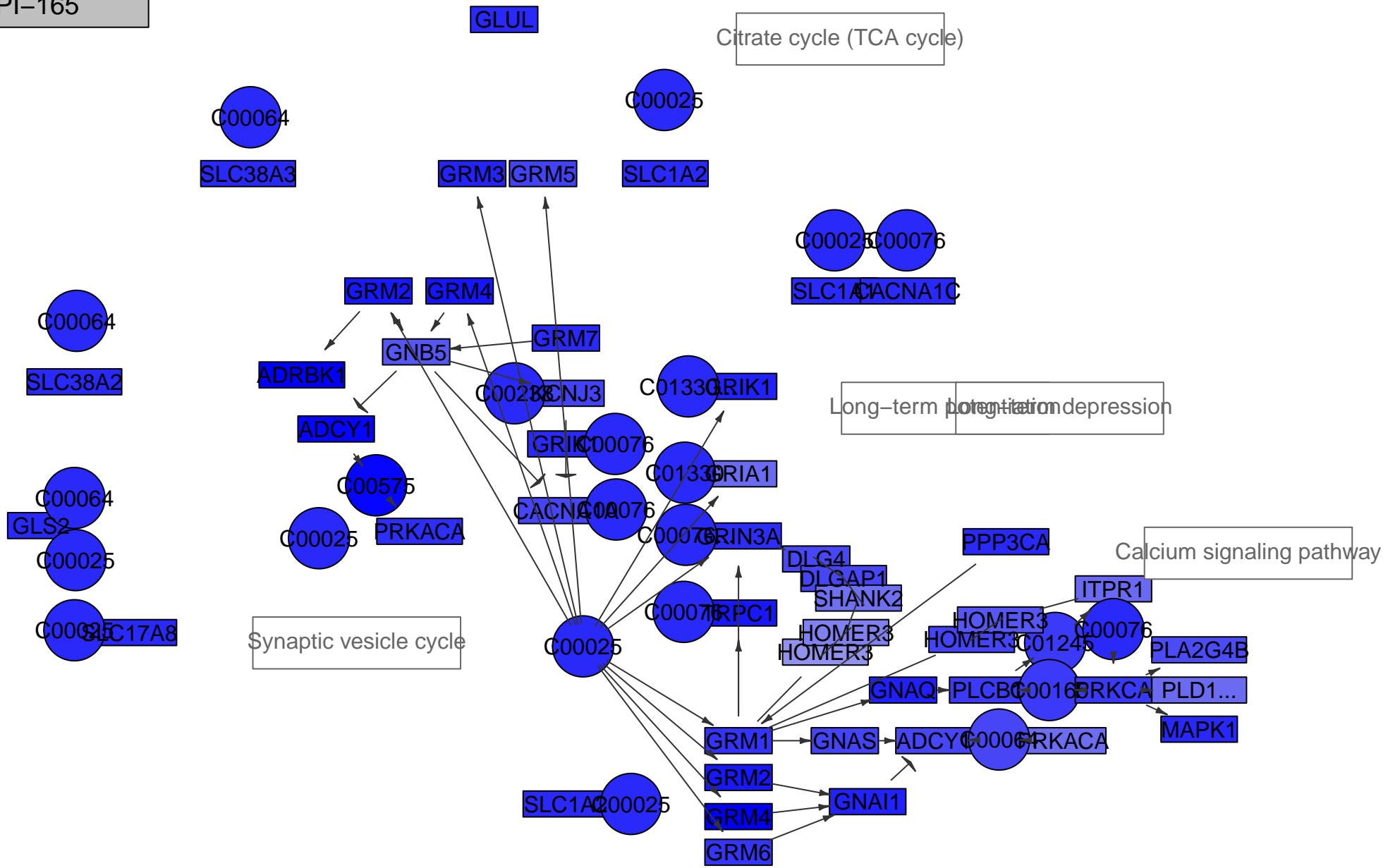
Glutamatergic synapse
MPI-131



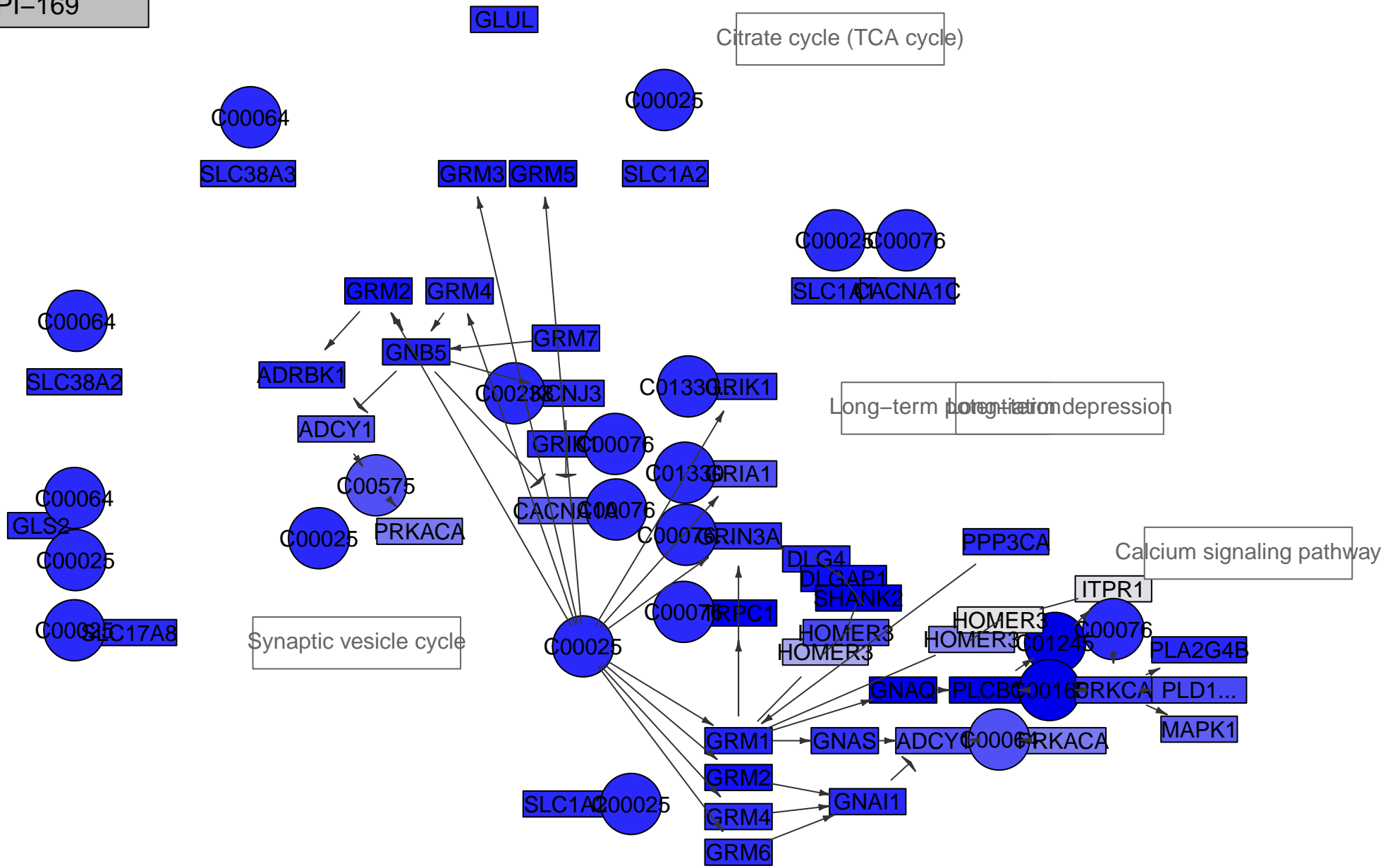
Glutamatergic synapse
MPI-148



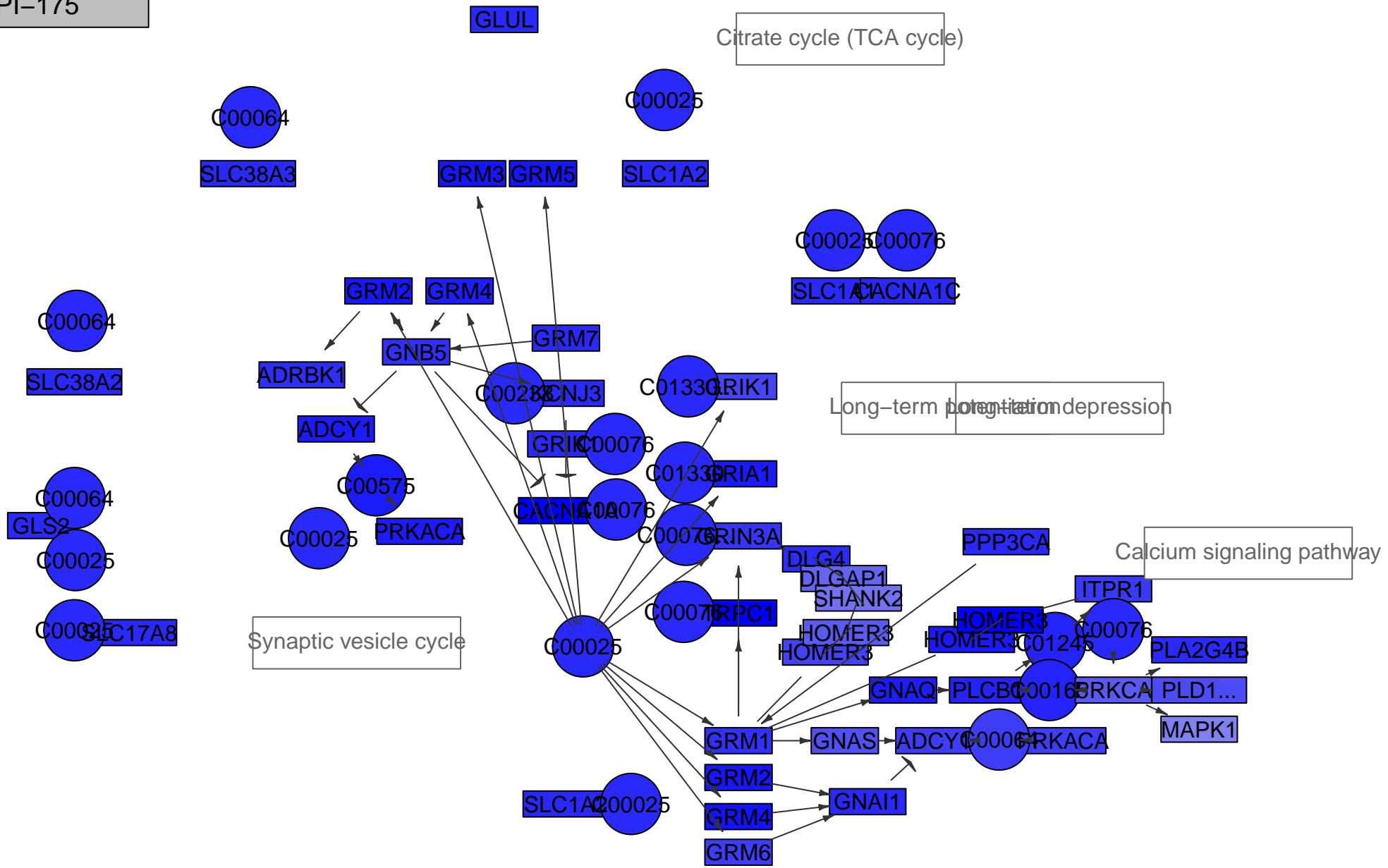
Glutamatergic synapse
MPI-165



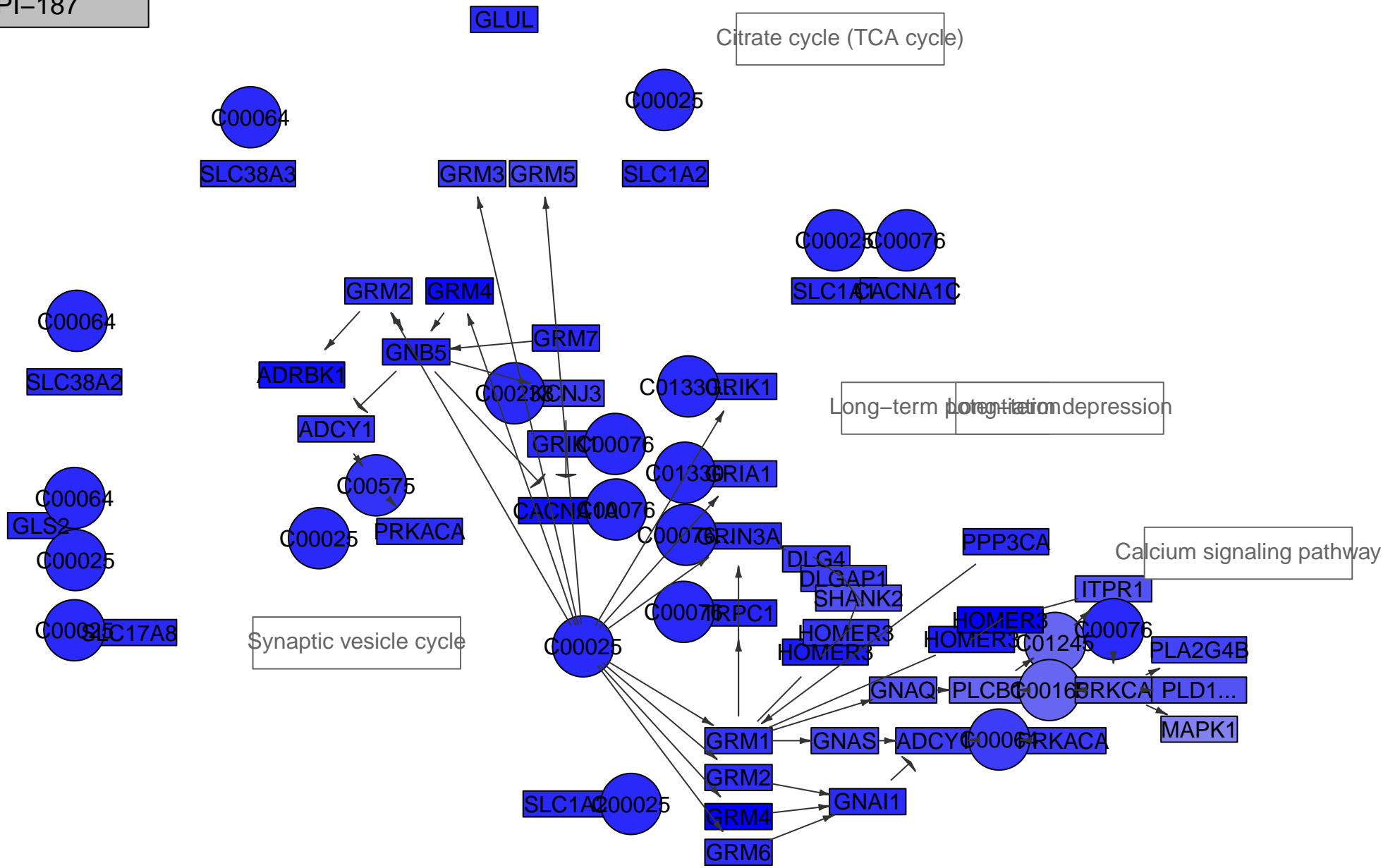
Glutamatergic synapse
MPI-169



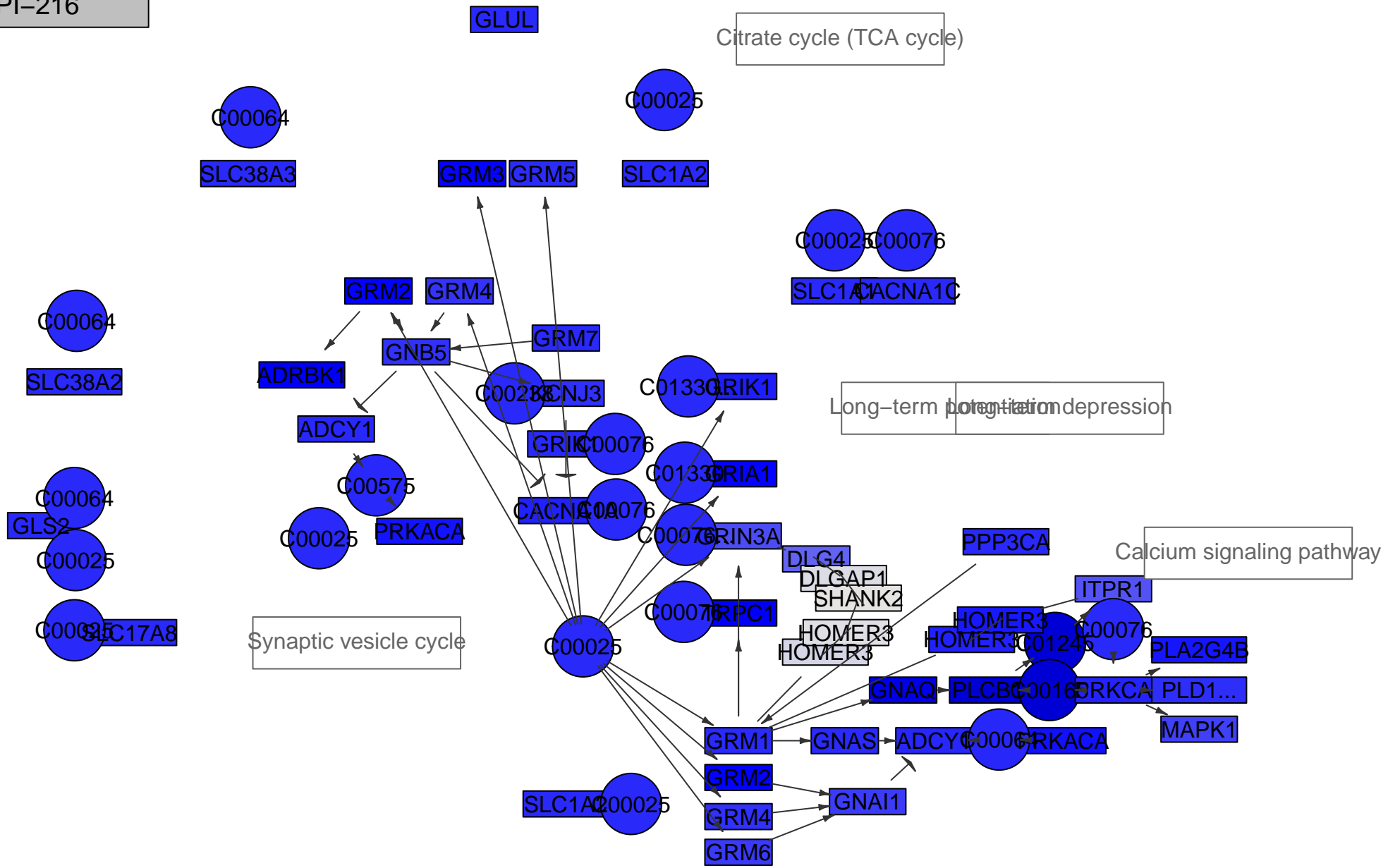
Glutamatergic synapse
MPI-175



Glutamatergic synapse
MPI-187



Glutamatergic synapse
MPI-216



GLUL

Citrate cycle (TCA cycle)

C00064
SLC38A3

C00025
SLC1A2

GRM3 GRM5

C00025 C00076
SLC1A1 CACNA1C

GRM2 GRM4

C00064
SLC38A2

ADRBK1

GNB5

GRM7

Long-term potentiation

ADCY1

C00238

C01330

GRIK1

C00064
GLS2

C00575

GRIIC

C00076

C01330

GRIA1

C00025

C00025

PRKACA

CACNA1C

C00076

C00076

GRIN3A

C00025
SLC17A8

Synaptic vesicle cycle

C00025

C00076

TRPC1

DLG4

DLGAP1

SHANK2

HOMER3

HOMER3

PPP3CA

Calcium signaling pathway

ITPR1

HOMER3

HOMER3

PLCBB1

C00076

PLA2G4B

PRKCA

PLD1...

MAPK1

GNAQ

PLCBB1

GNAS

ADCY1

C00064

PRKACA

GRM1

GRM2

GRM4

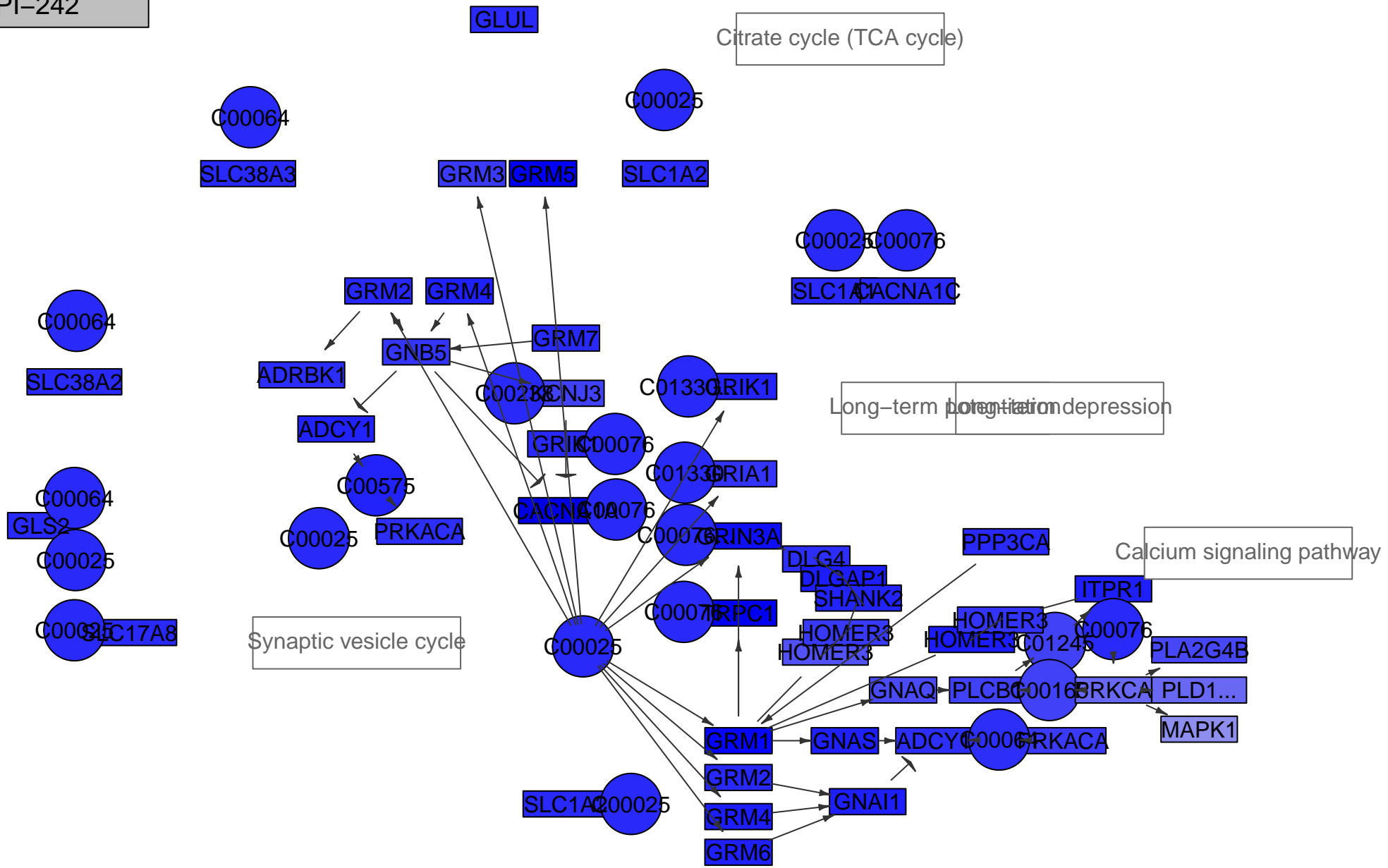
GRM6

GNAI1

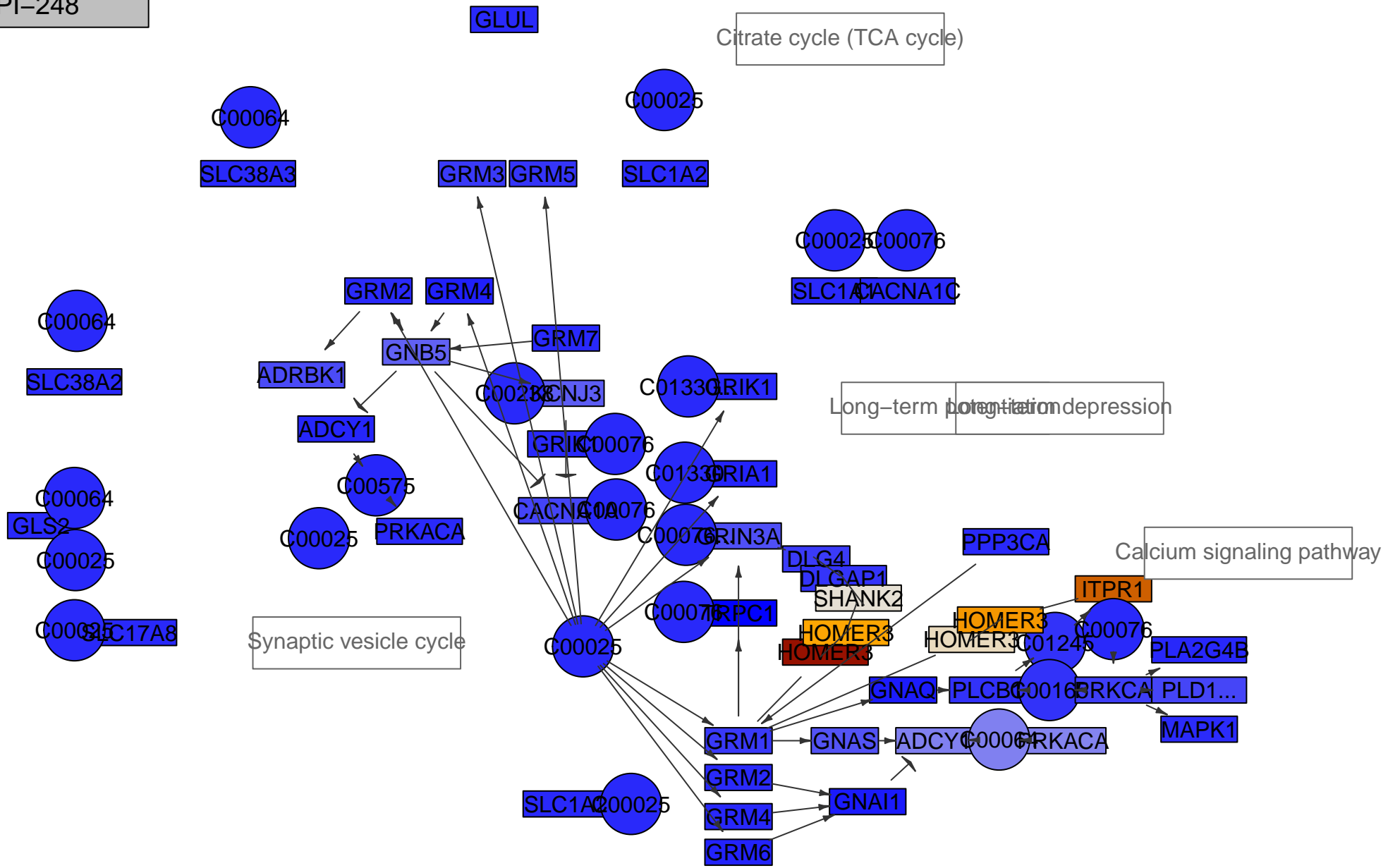
SLC1A2

C00025

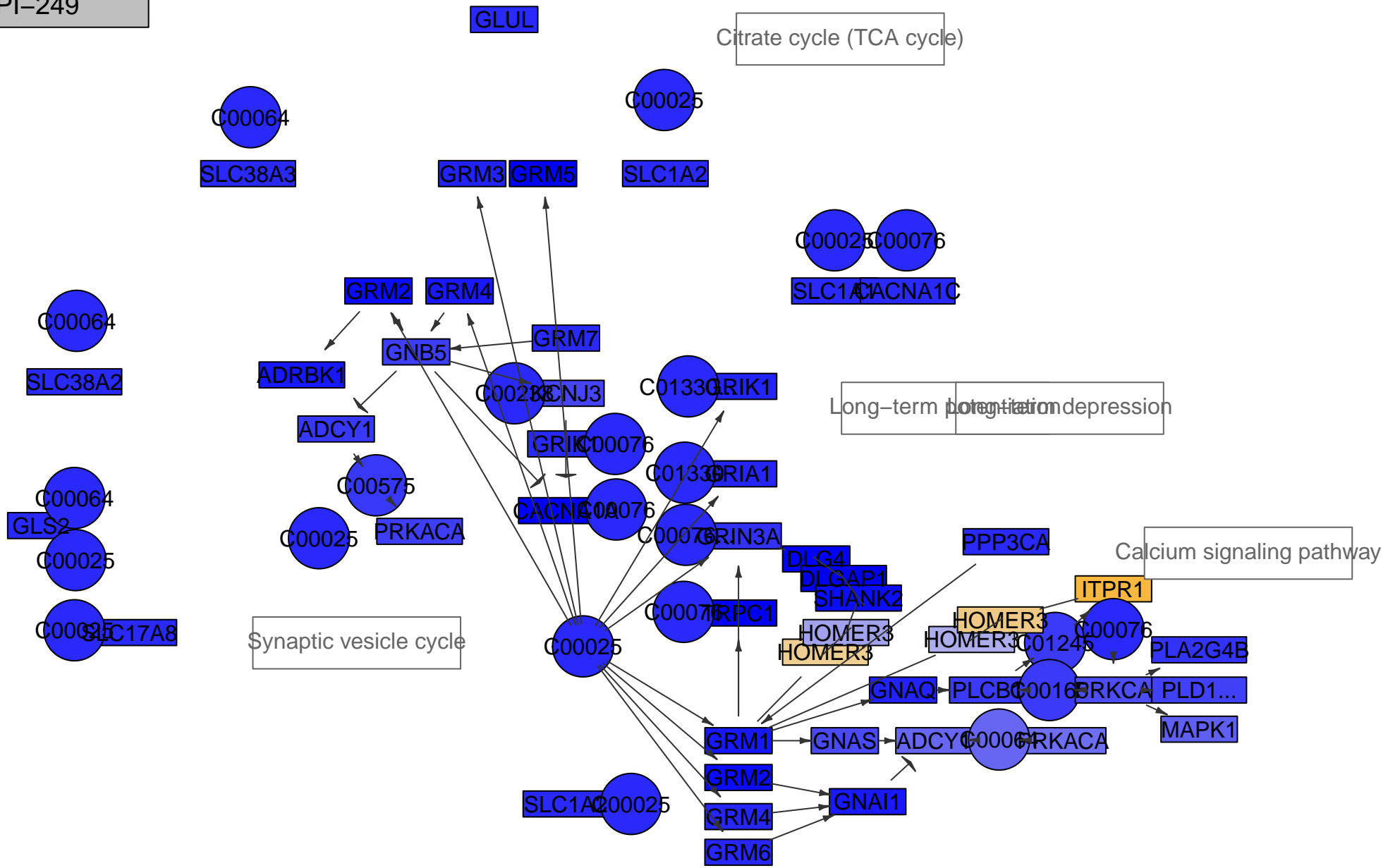
Glutamatergic synapse
MPI-242



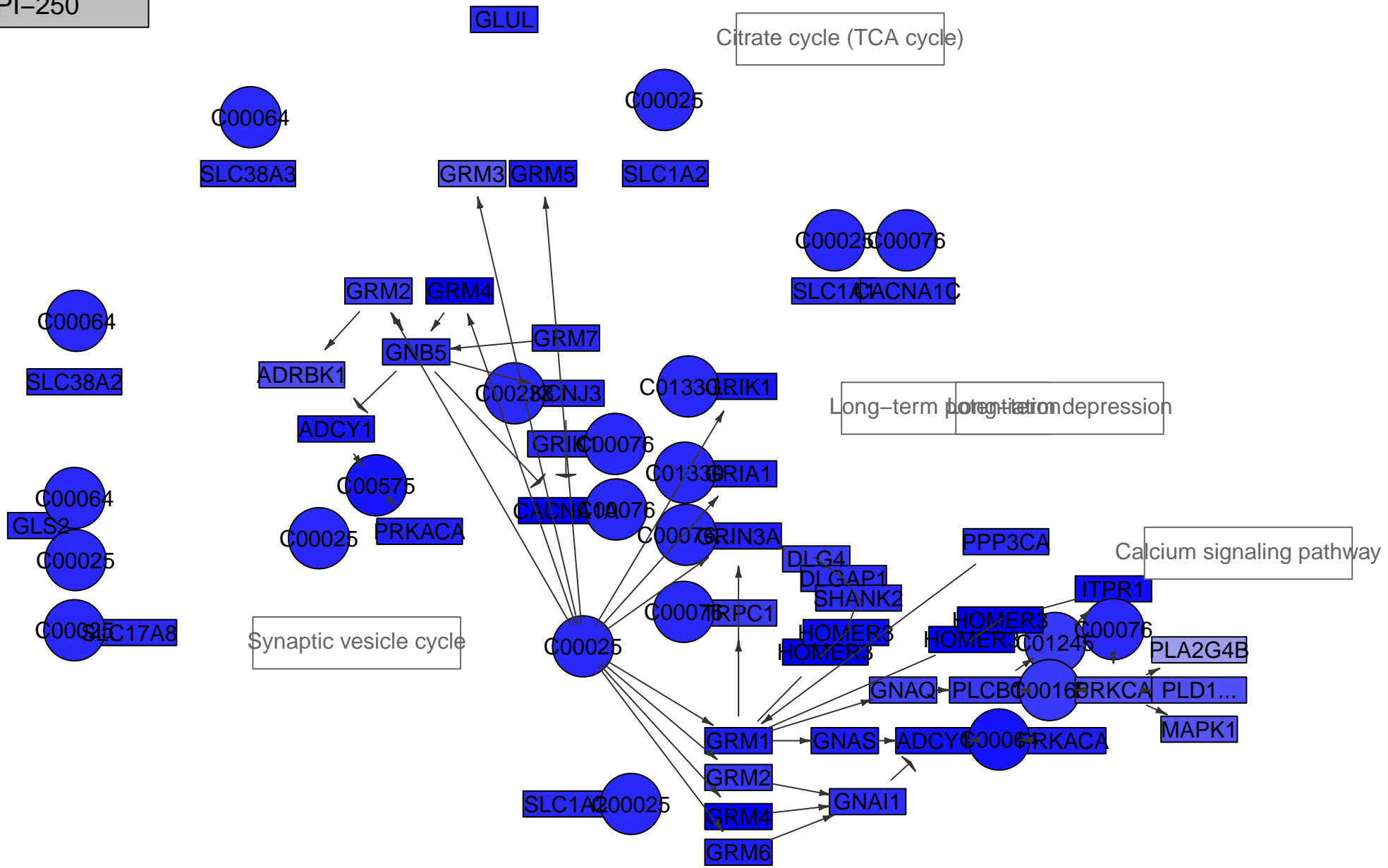
Glutamatergic synapse
MPI-248



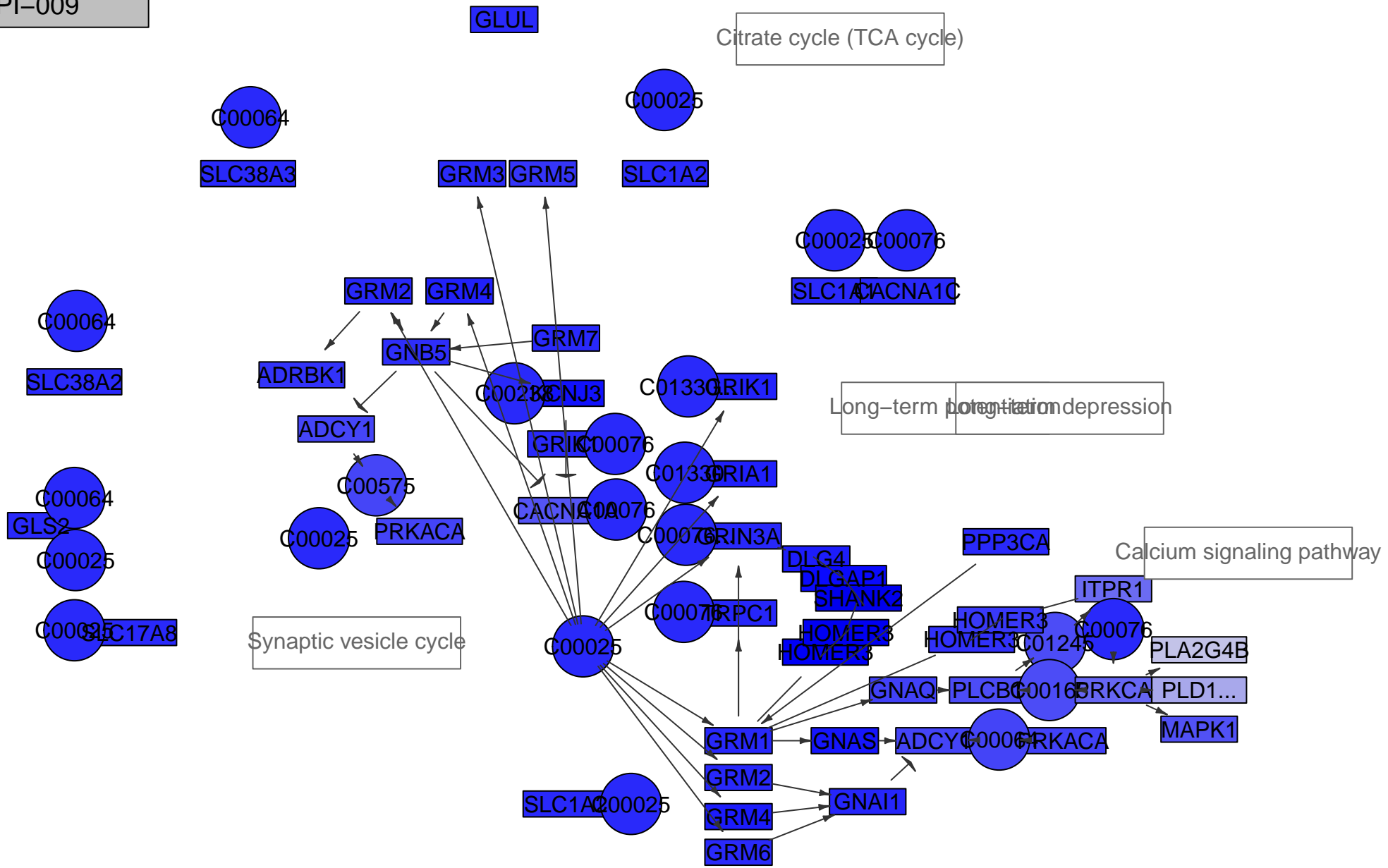
Glutamatergic synapse
MPI-249



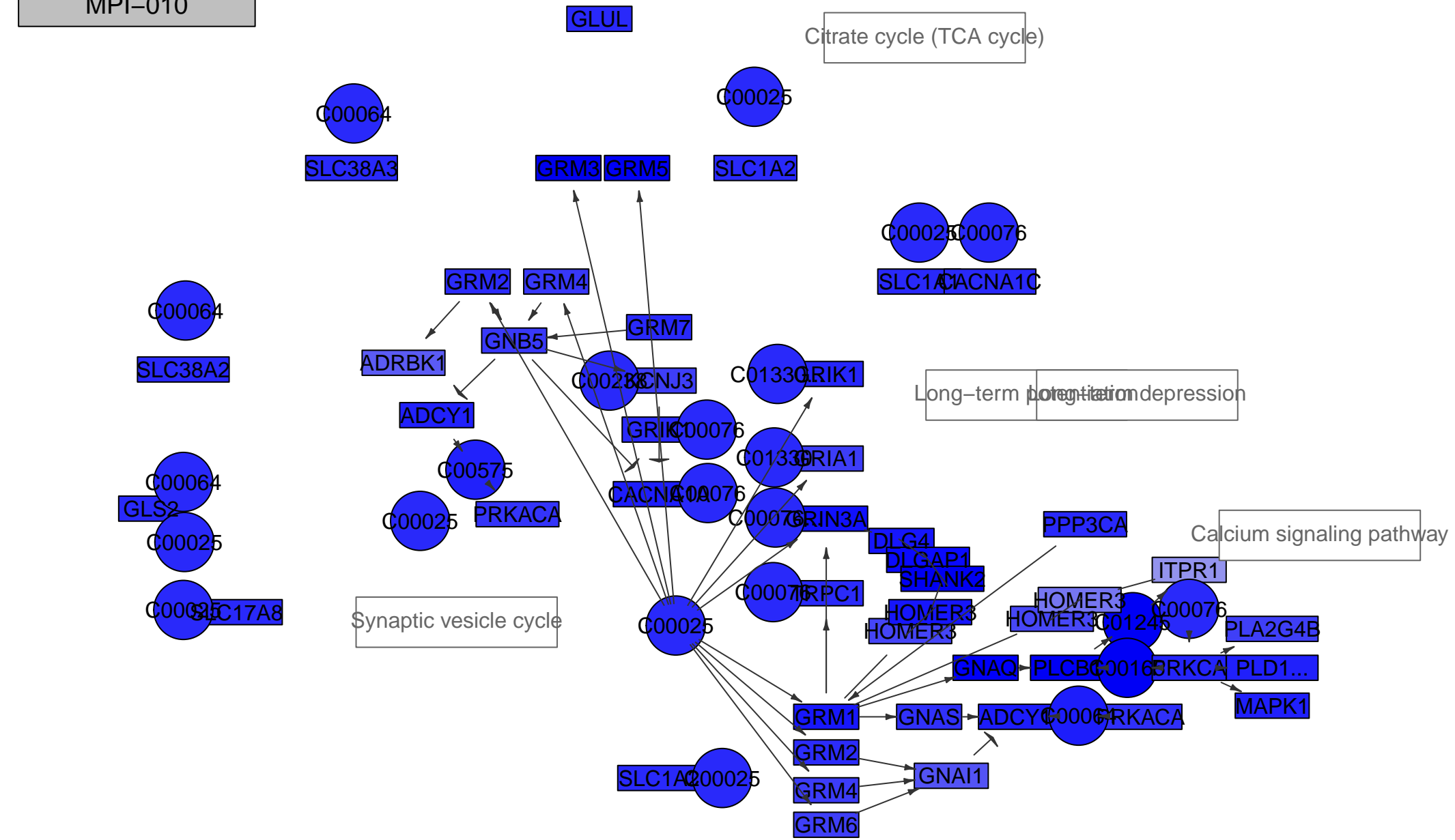
Glutamatergic synapse
MPI-250



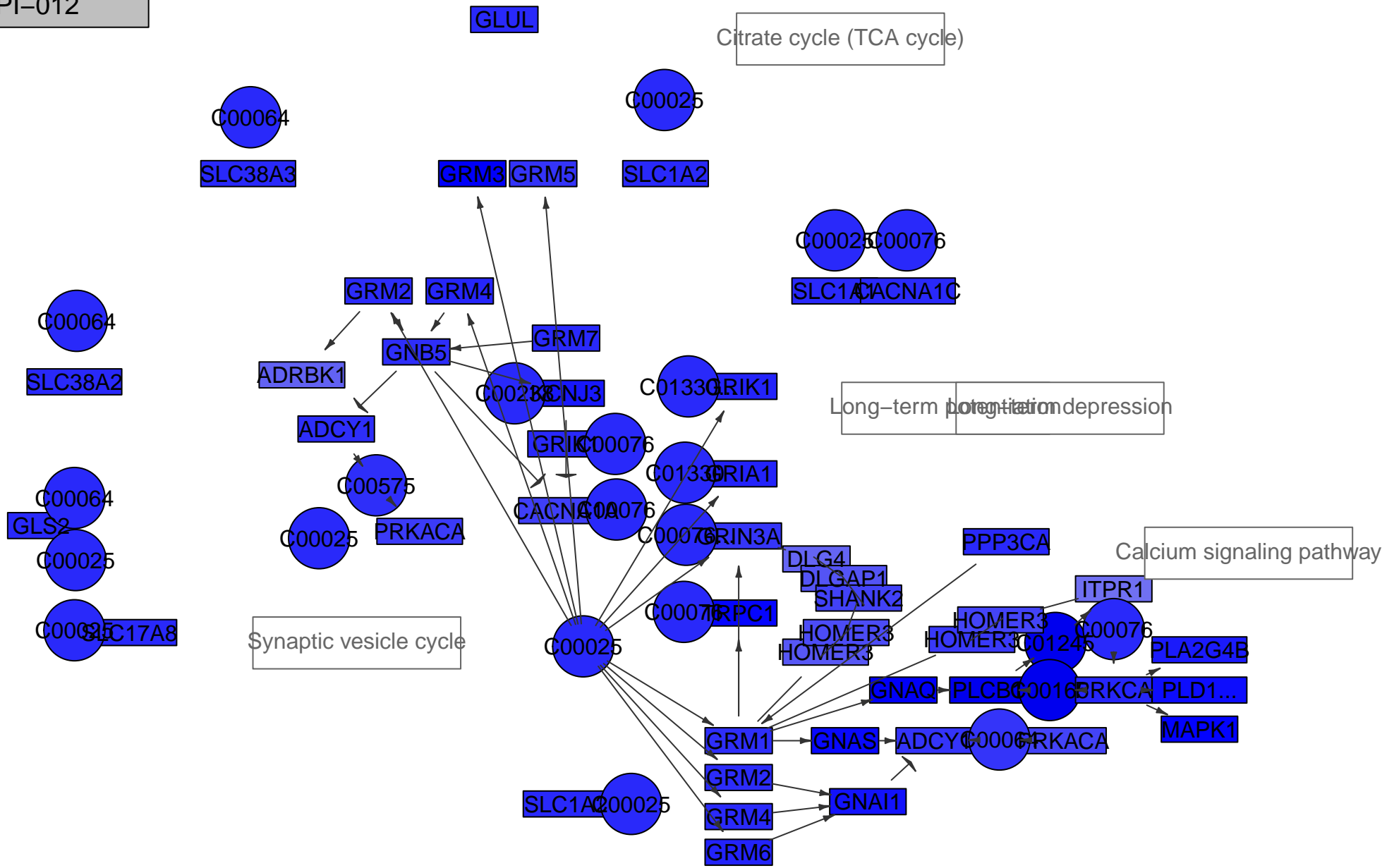
Glutamatergic synapse
MPI-009



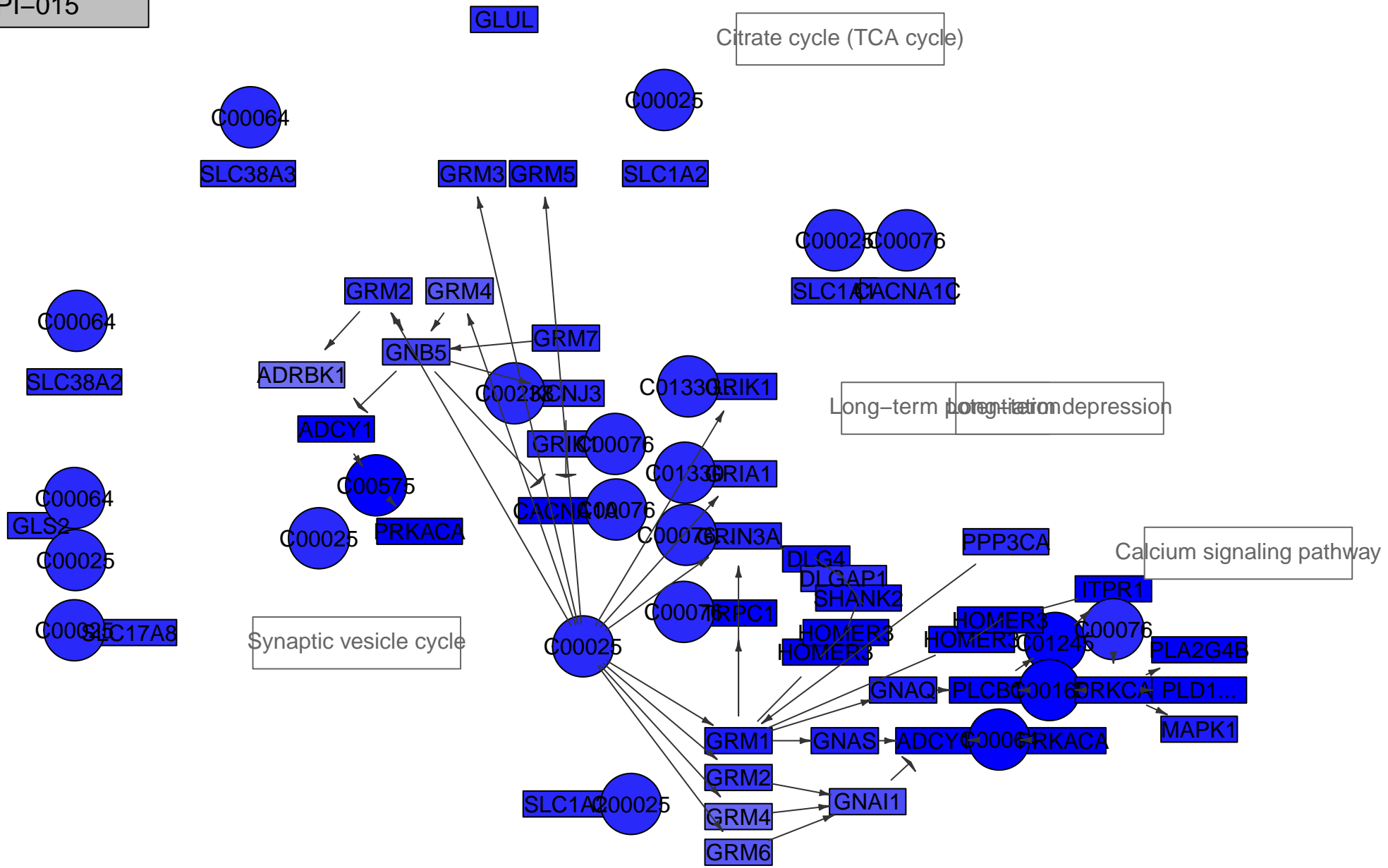
Glutamatergic synapse
MPI-010



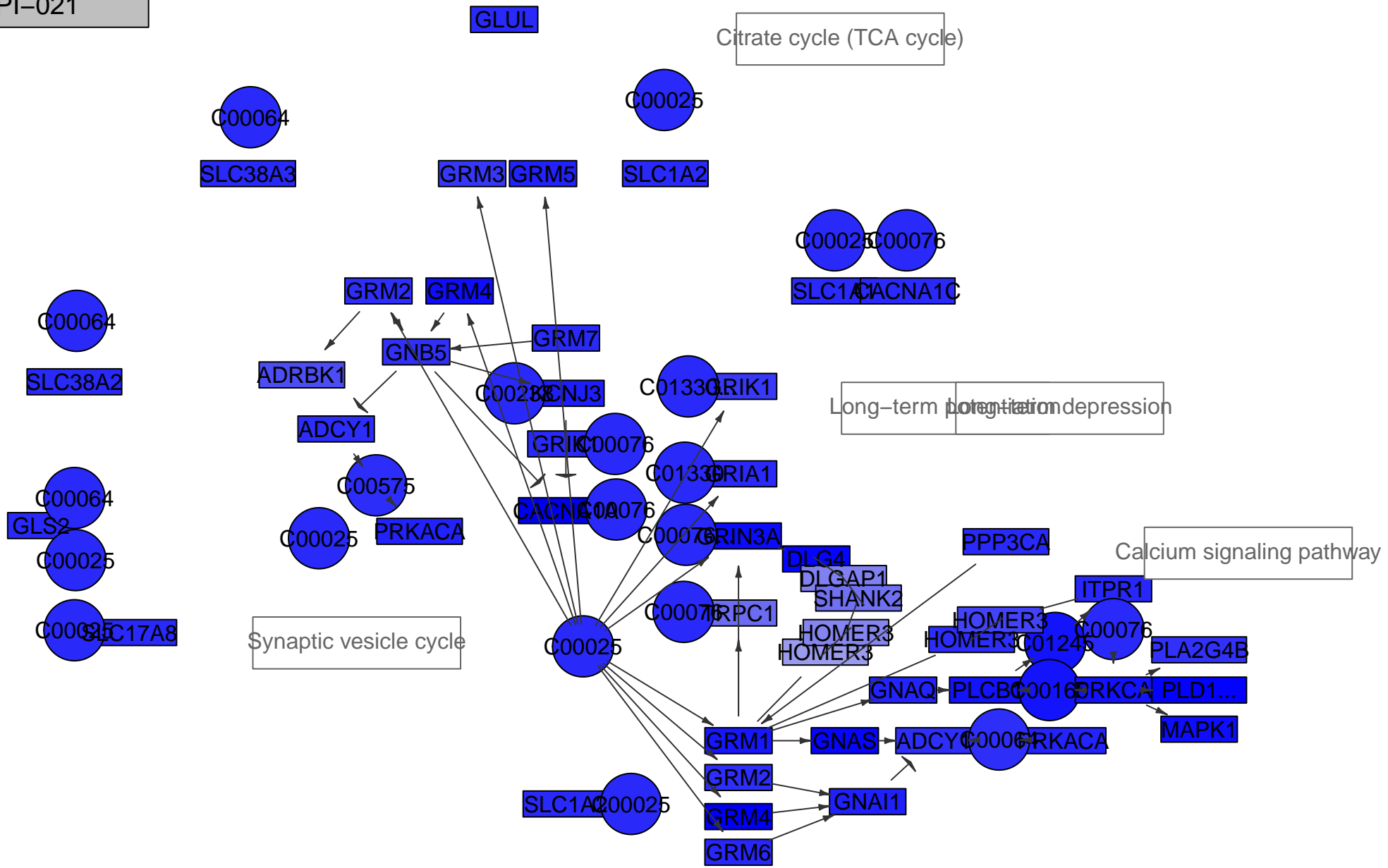
Glutamatergic synapse
MPI-012



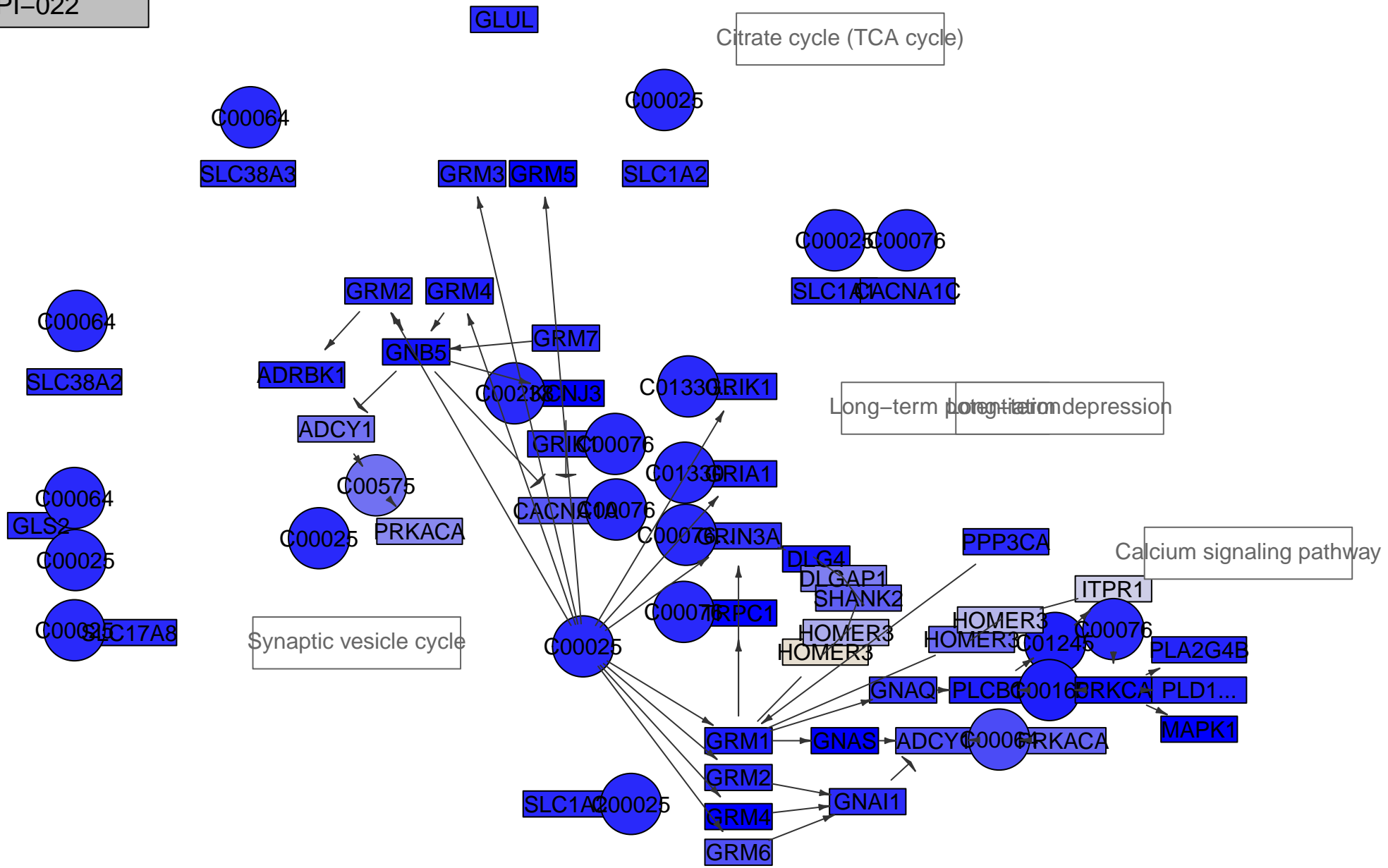
Glutamatergic synapse
MPI-015



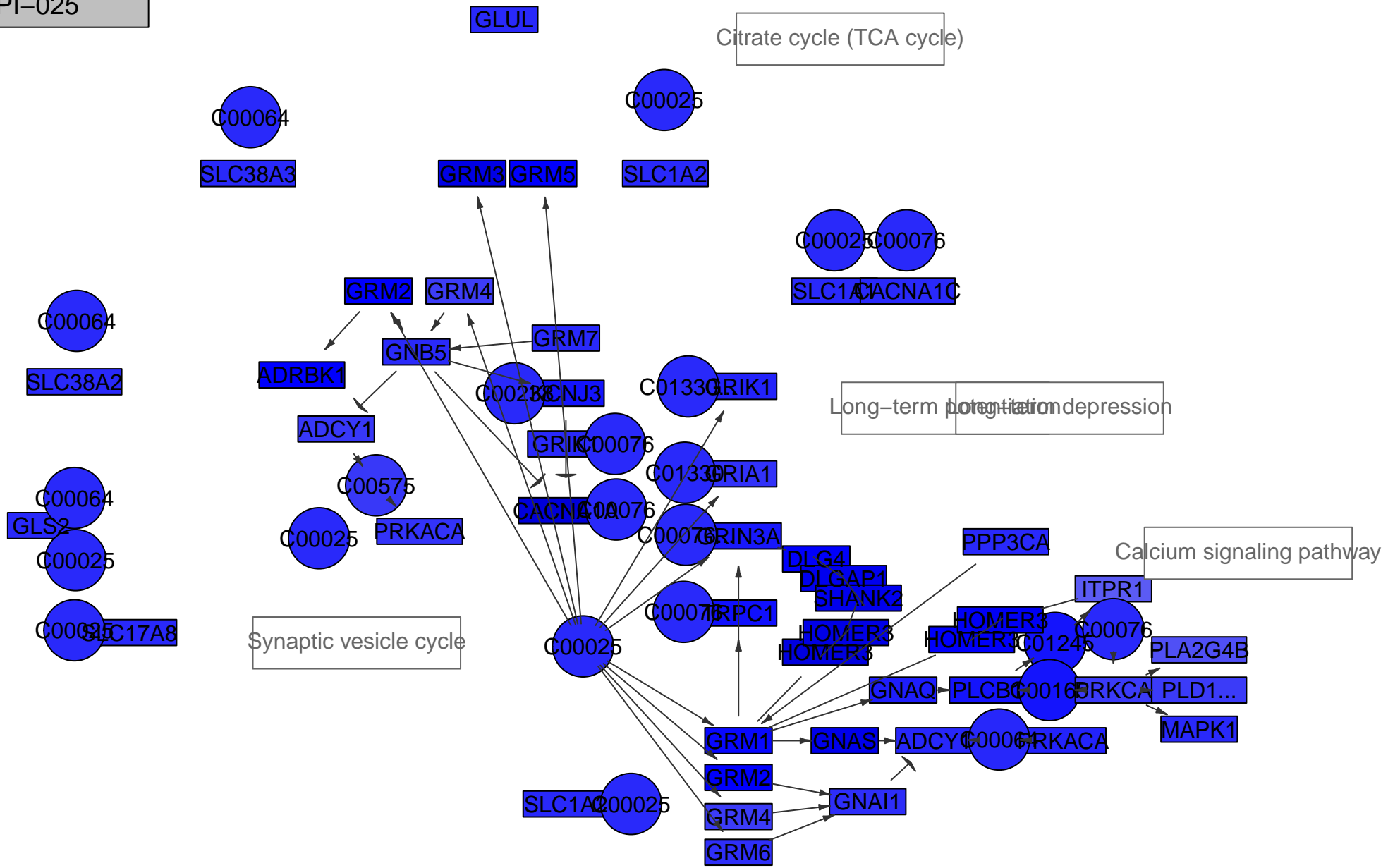
Glutamatergic synapse
MPI-021



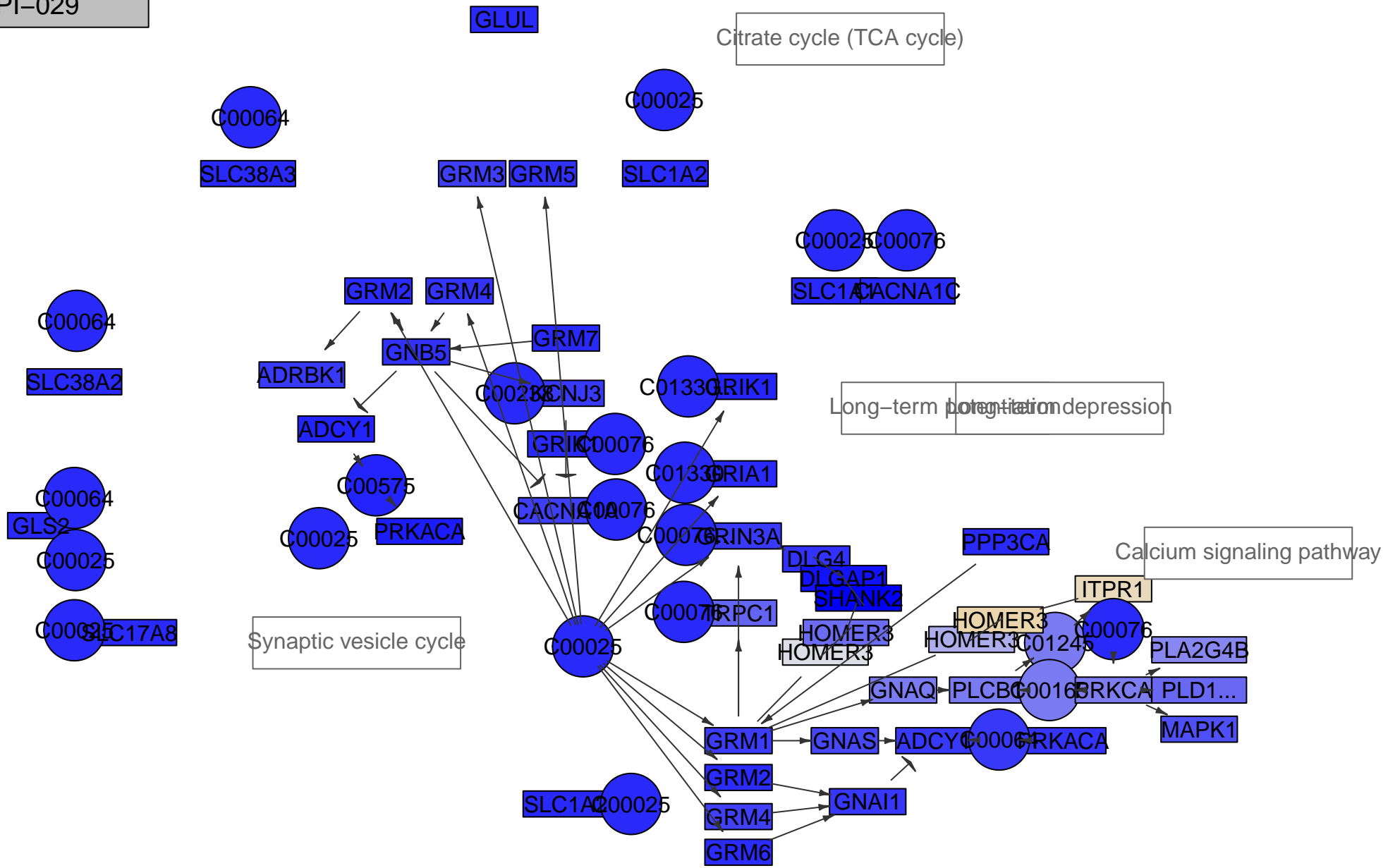
Glutamatergic synapse
MPI-022



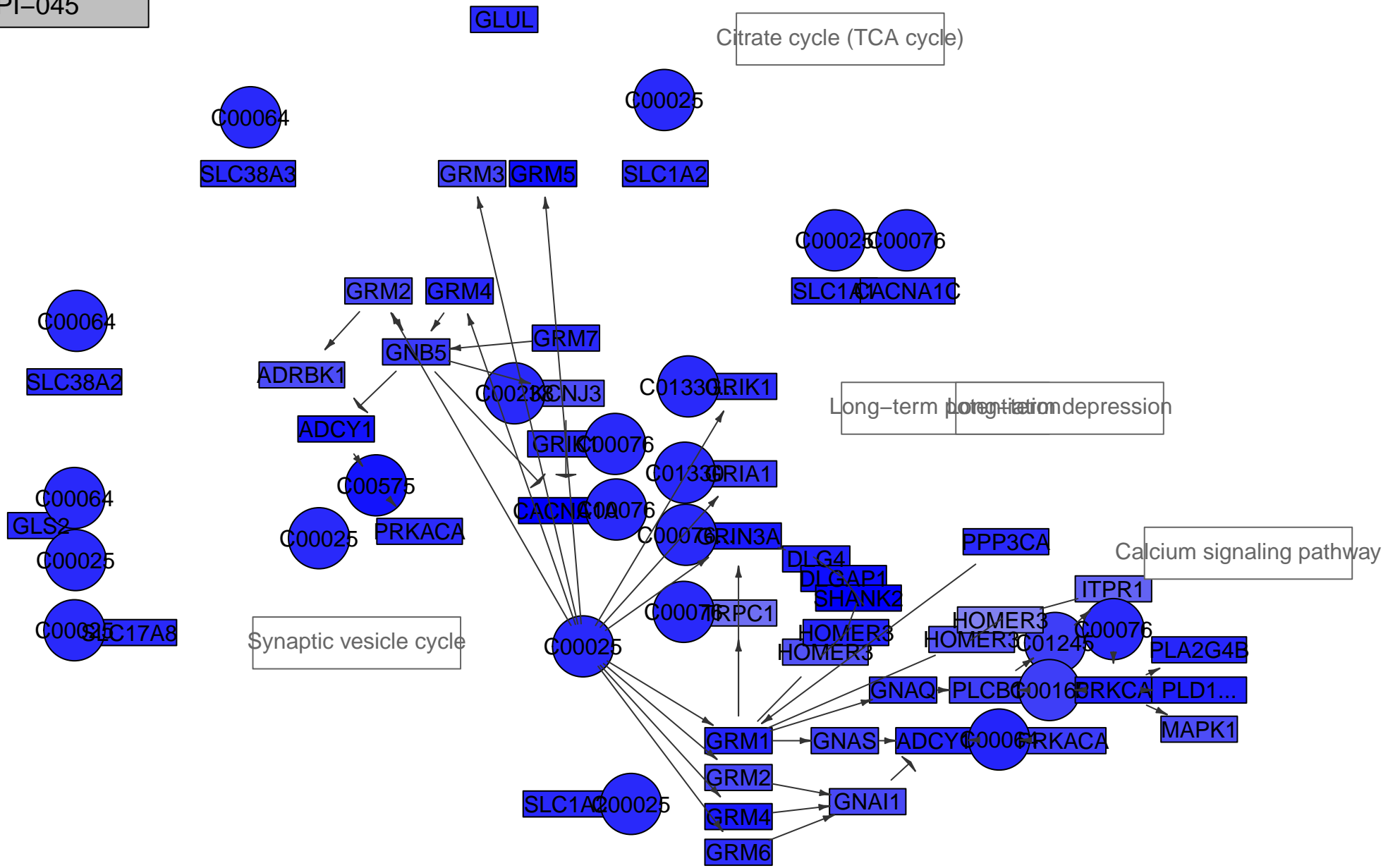
Glutamatergic synapse
MPI-025



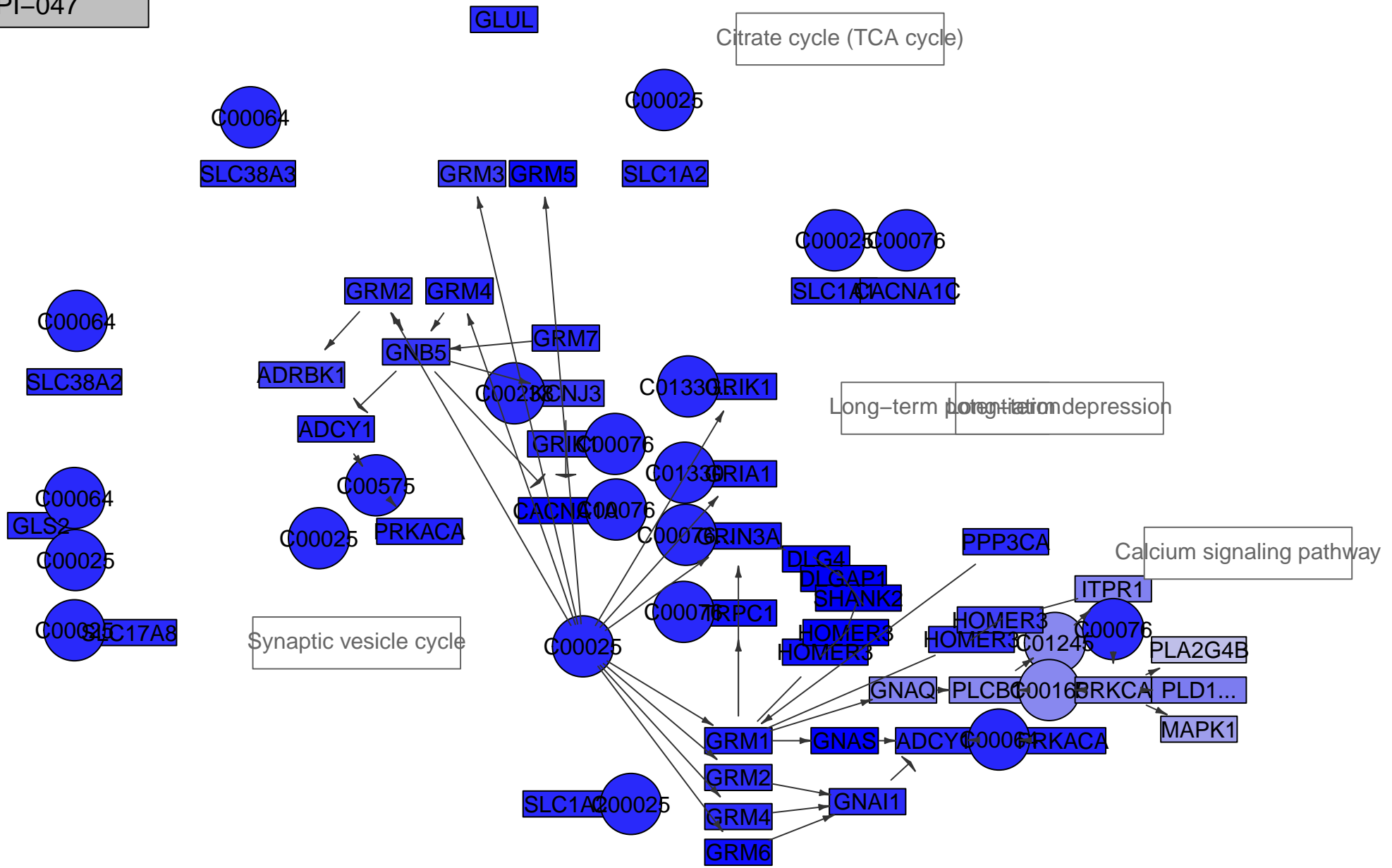
Glutamatergic synapse
MPI-029



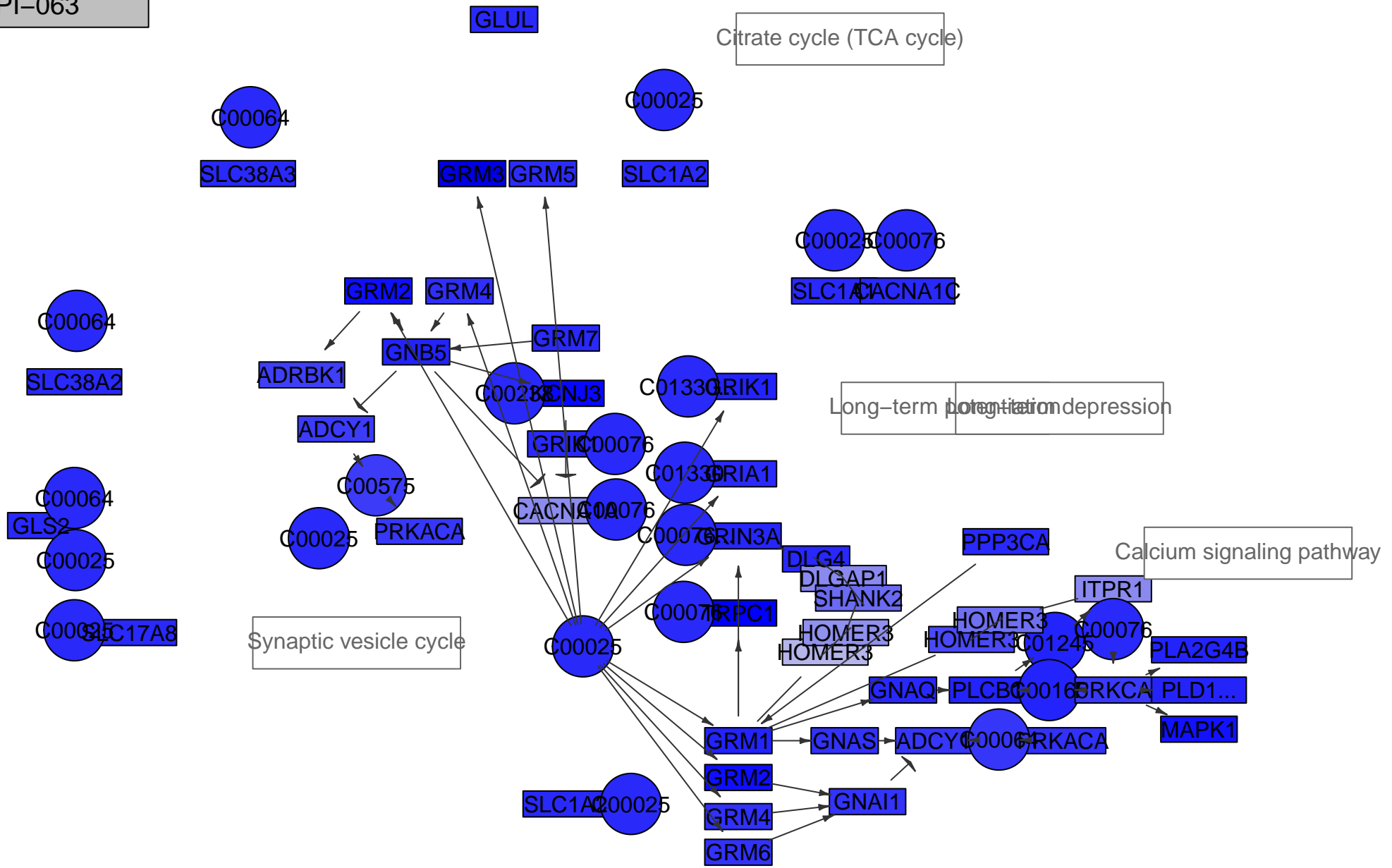
Glutamatergic synapse
MPI-045



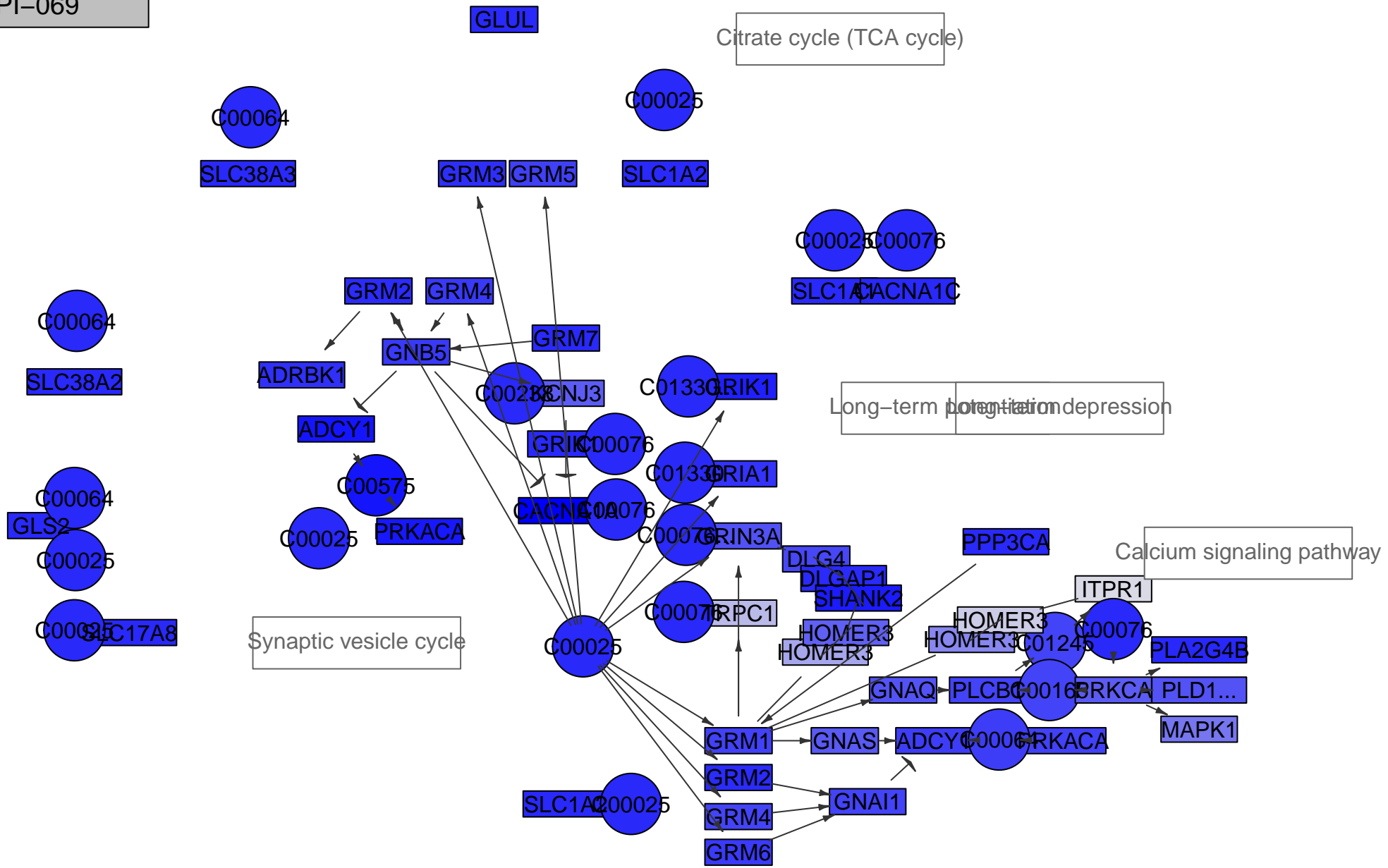
Glutamatergic synapse
MPI-047



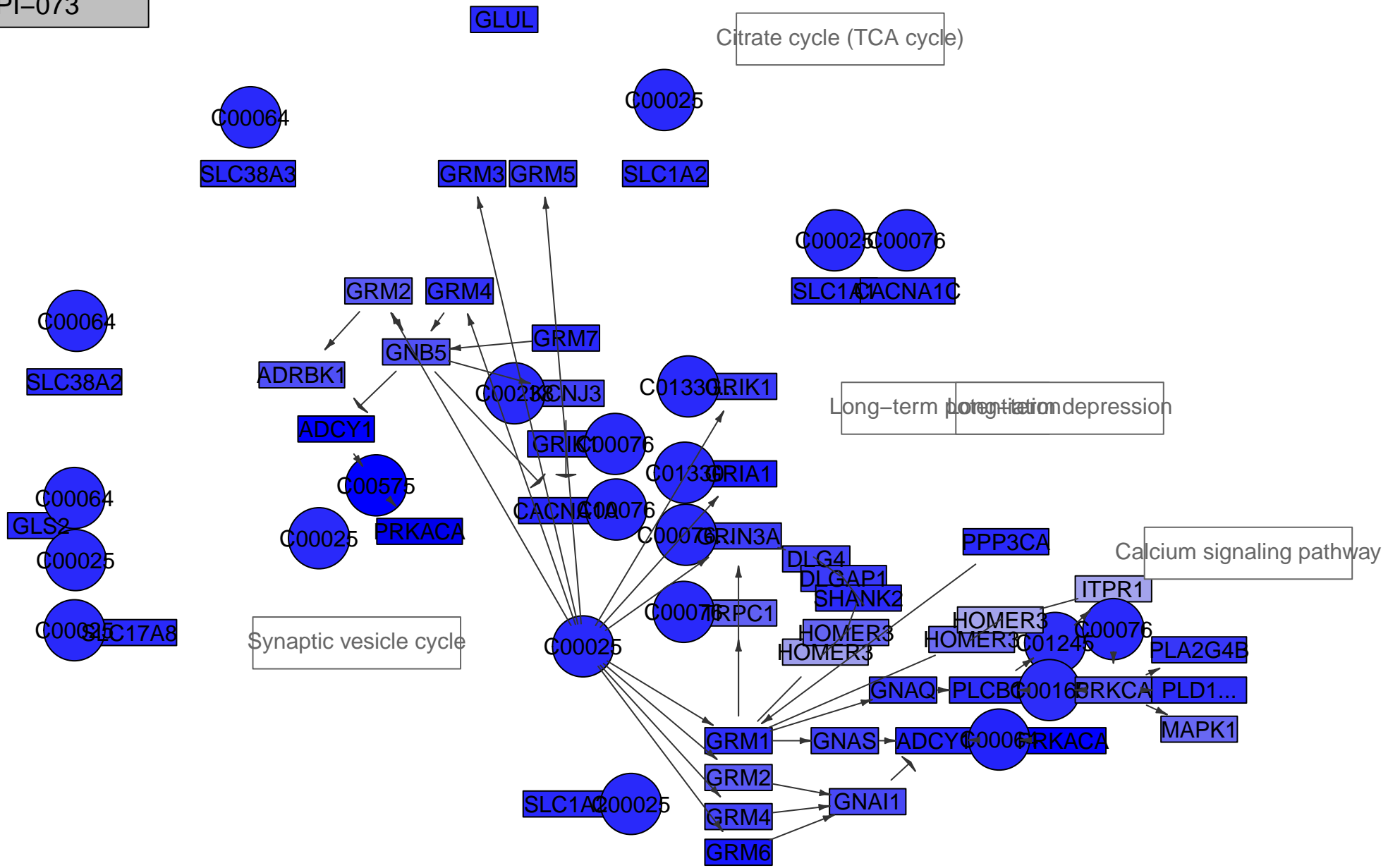
Glutamatergic synapse
MPI-063



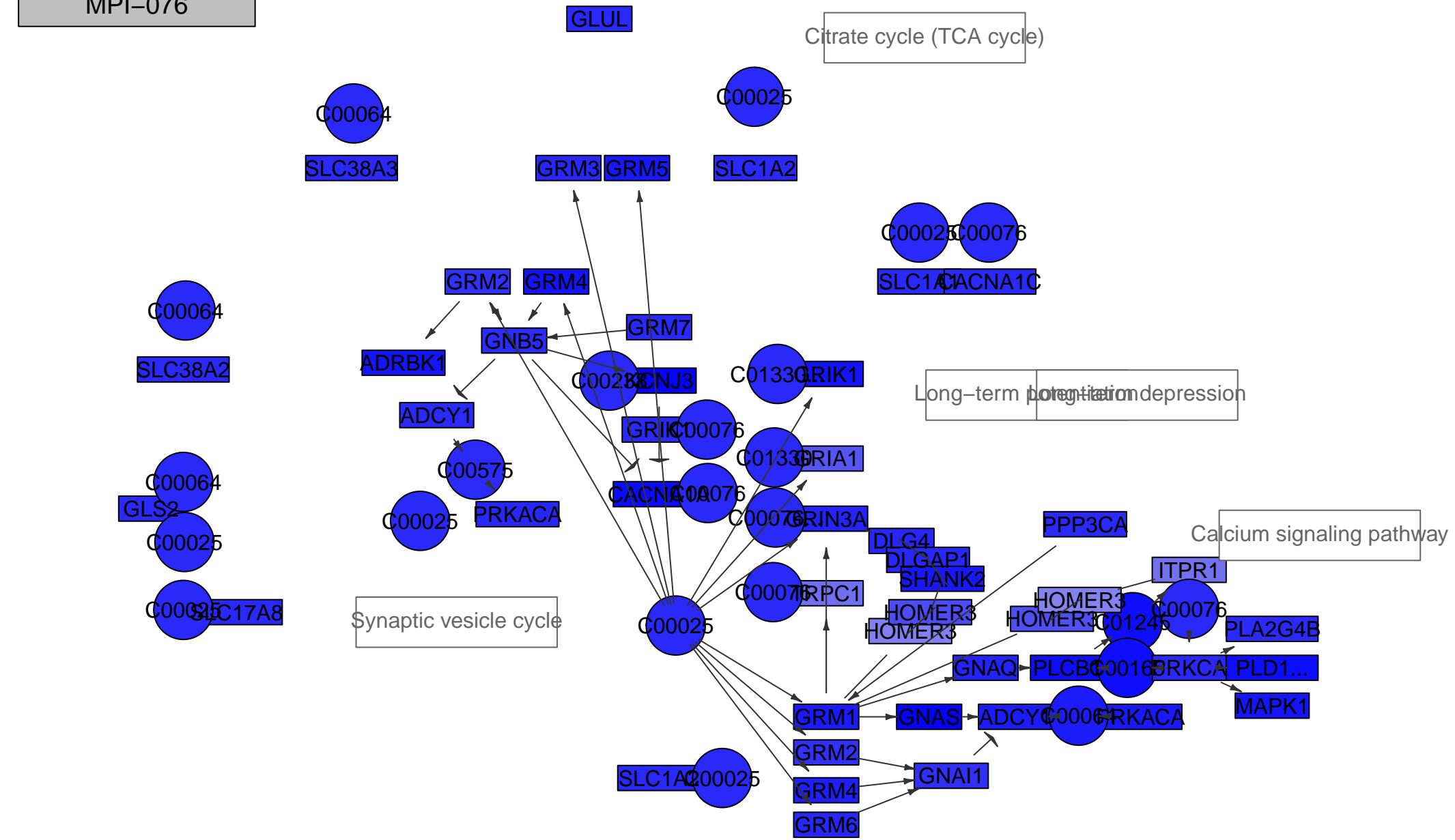
Glutamatergic synapse
MPI-069



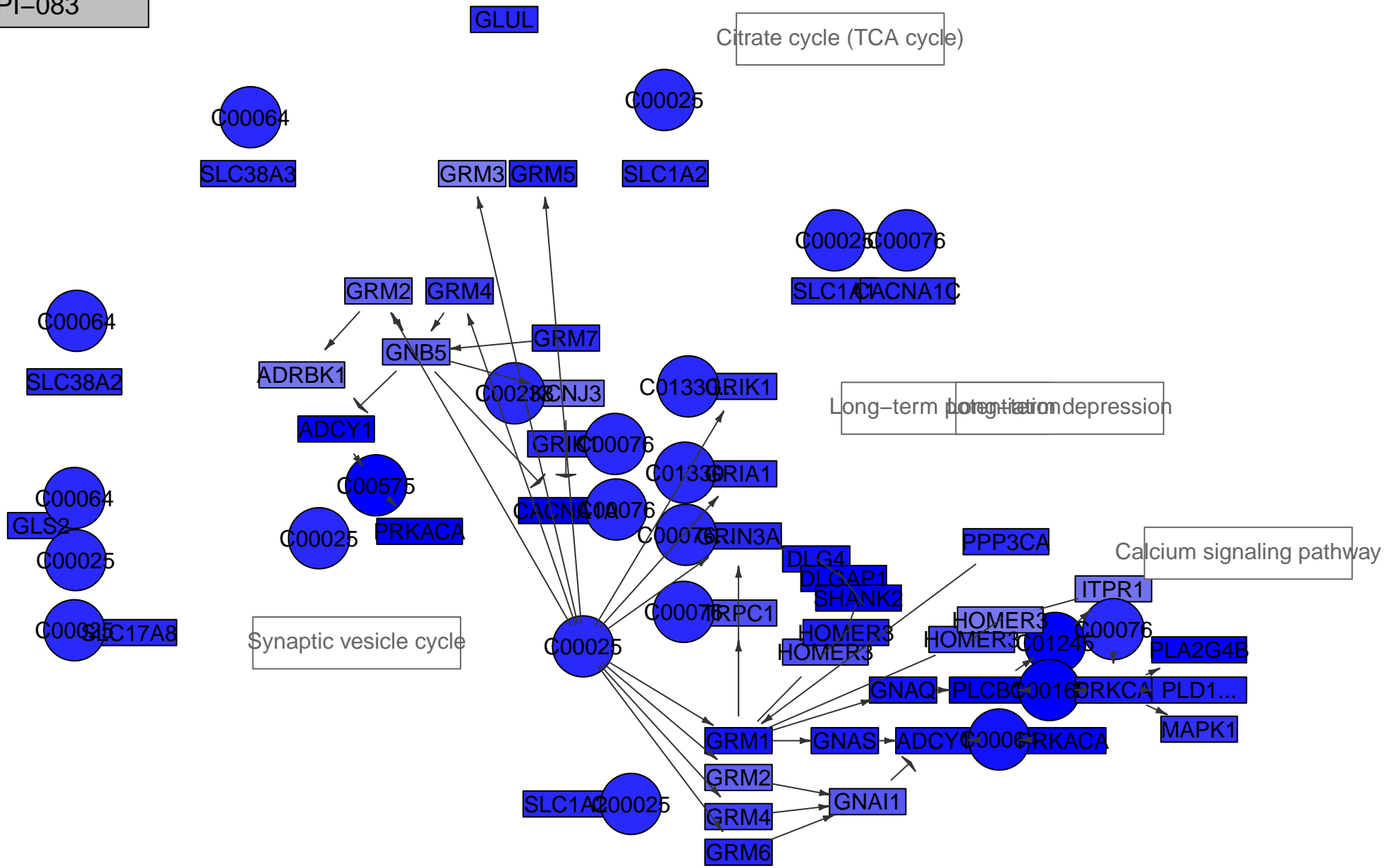
Glutamatergic synapse
MPI-073



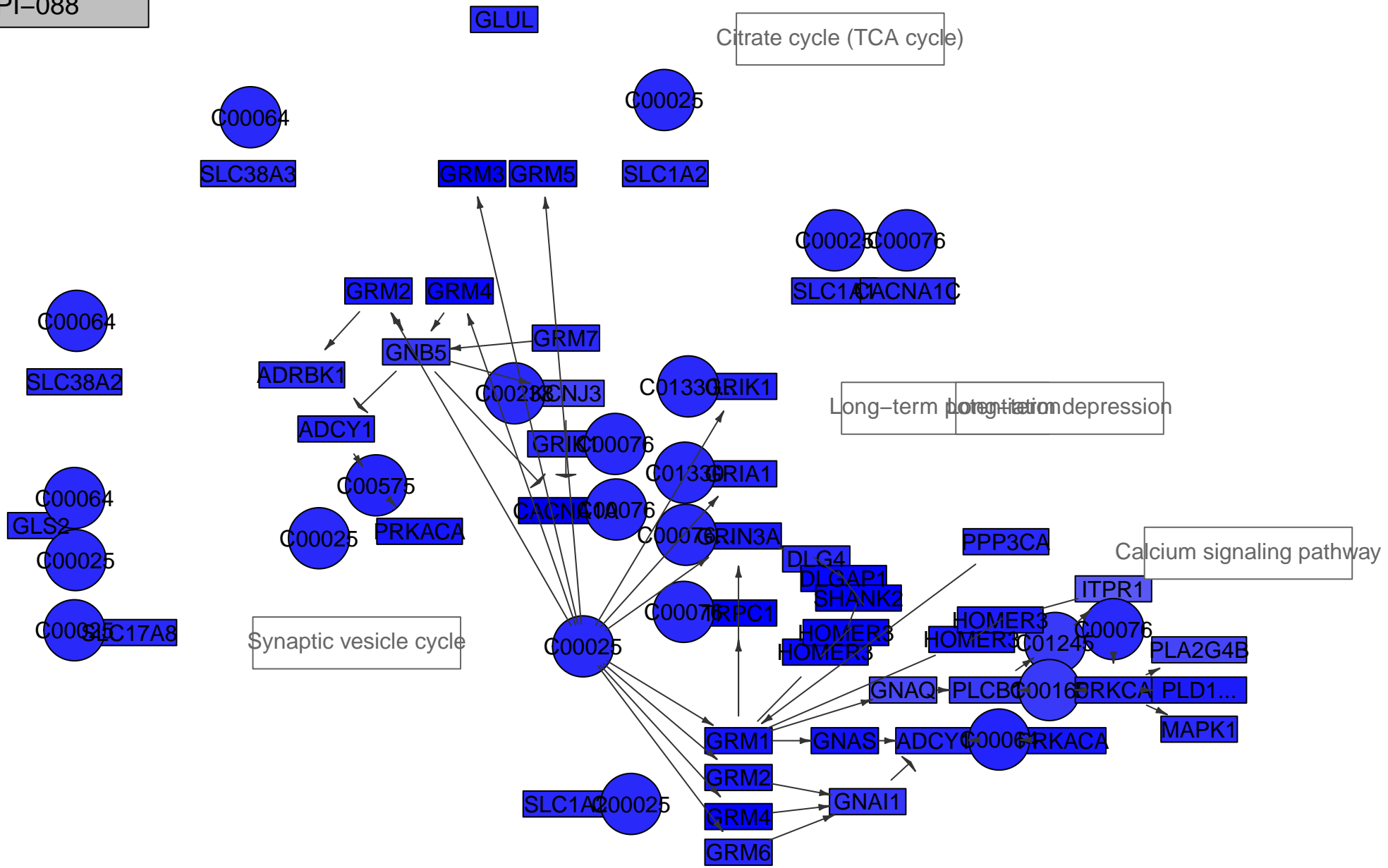
Glutamatergic synapse
MPI-076



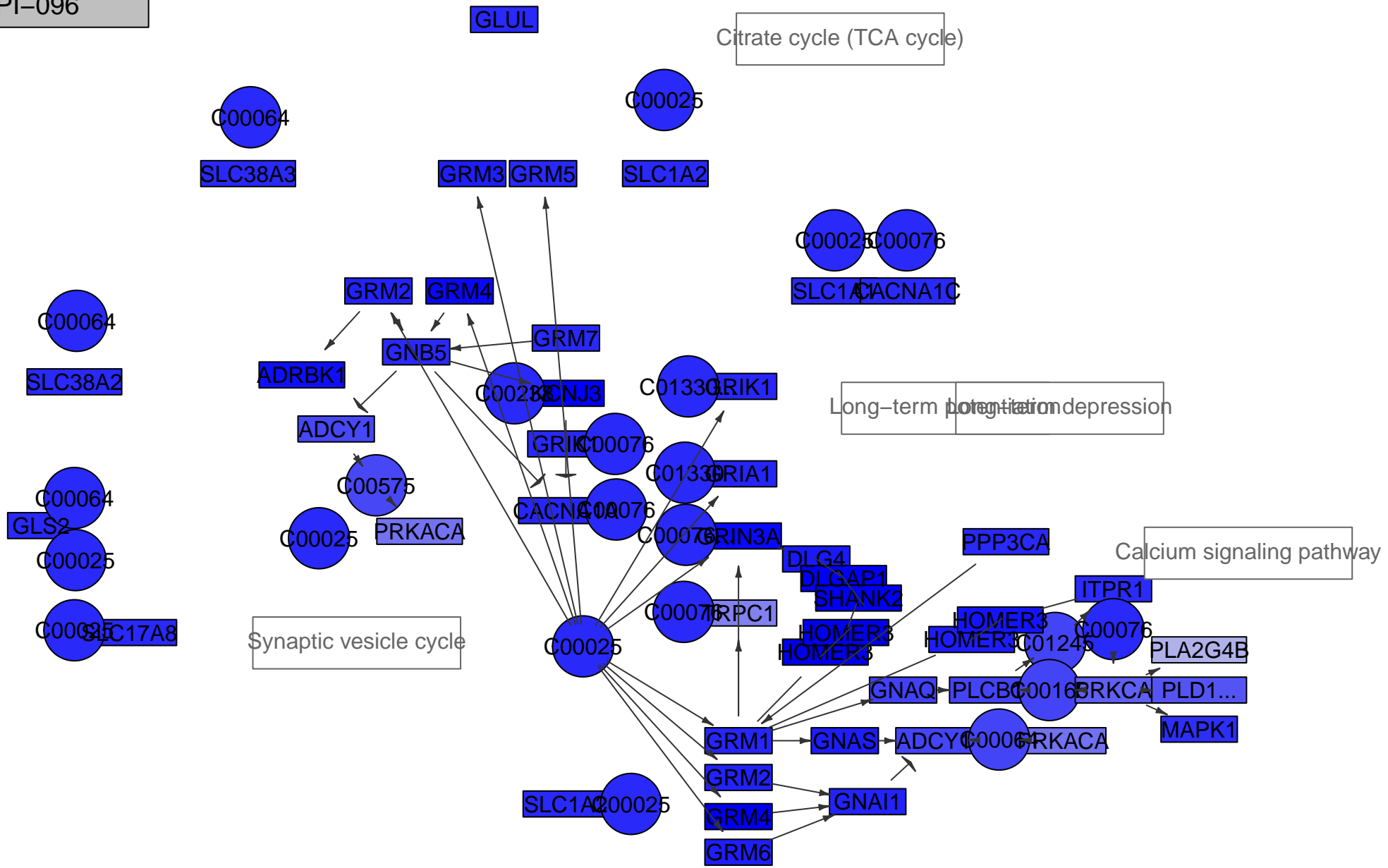
Glutamatergic synapse
MPI-083



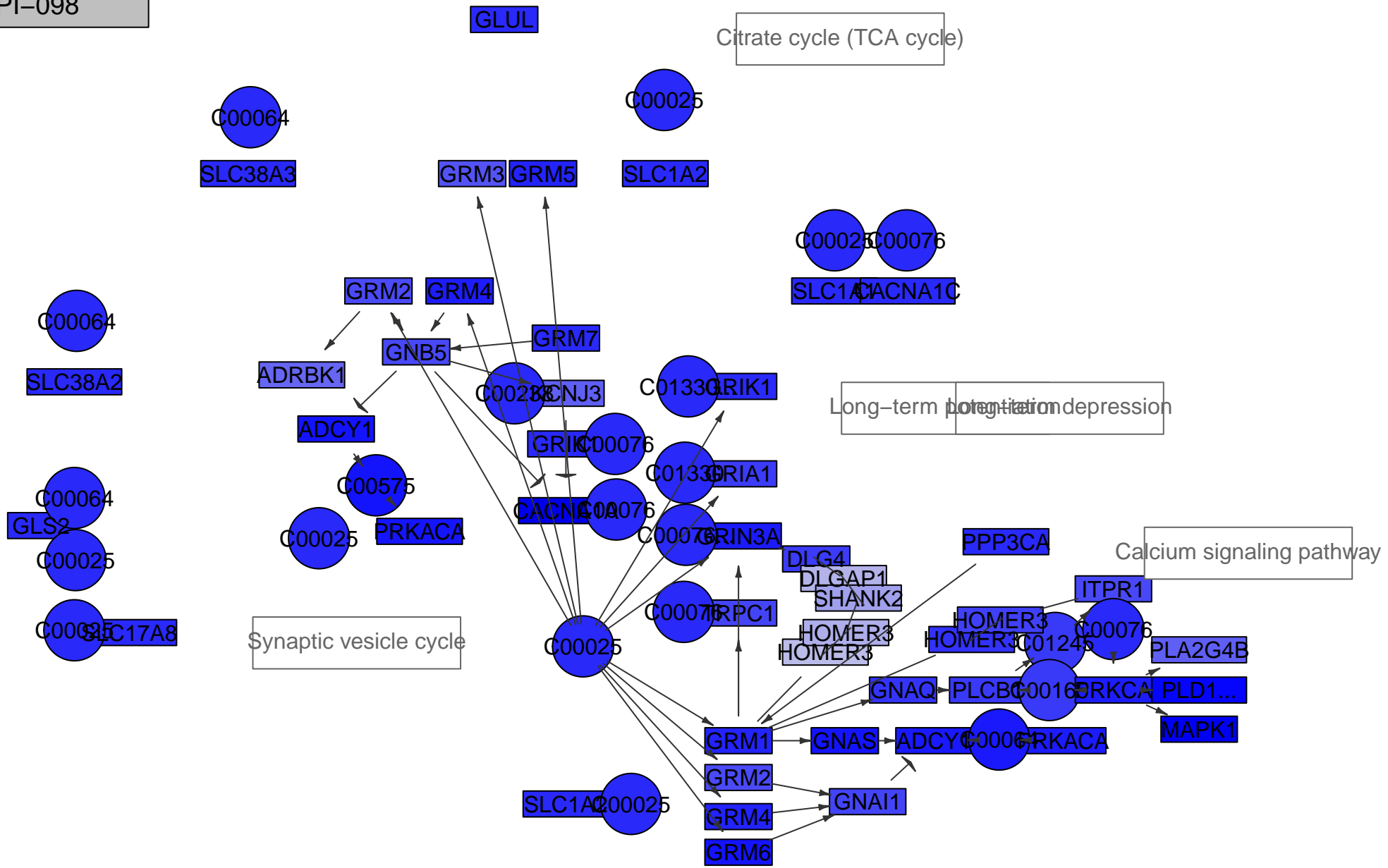
Glutamatergic synapse
MPI-088



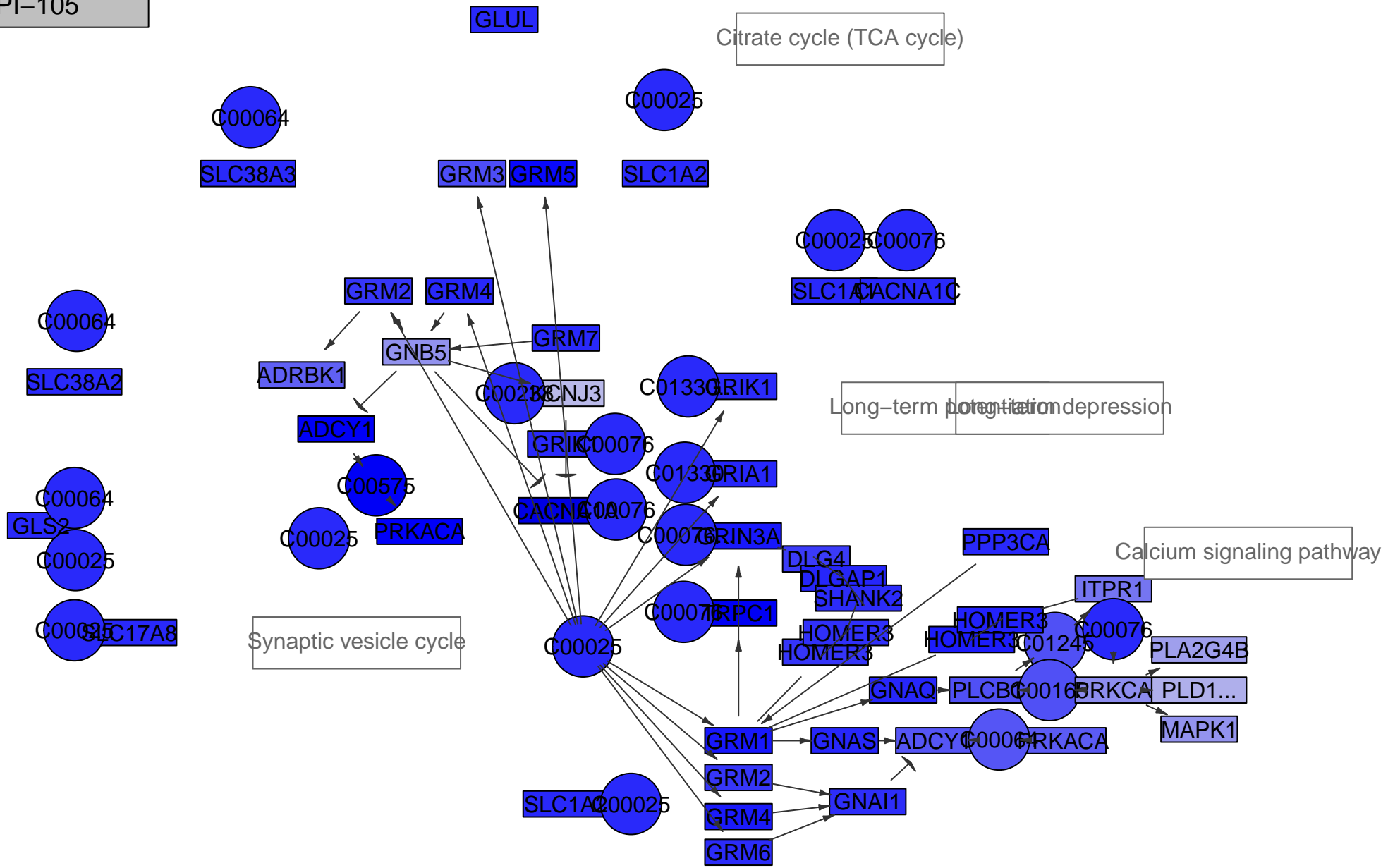
Glutamatergic synapse
MPI-096



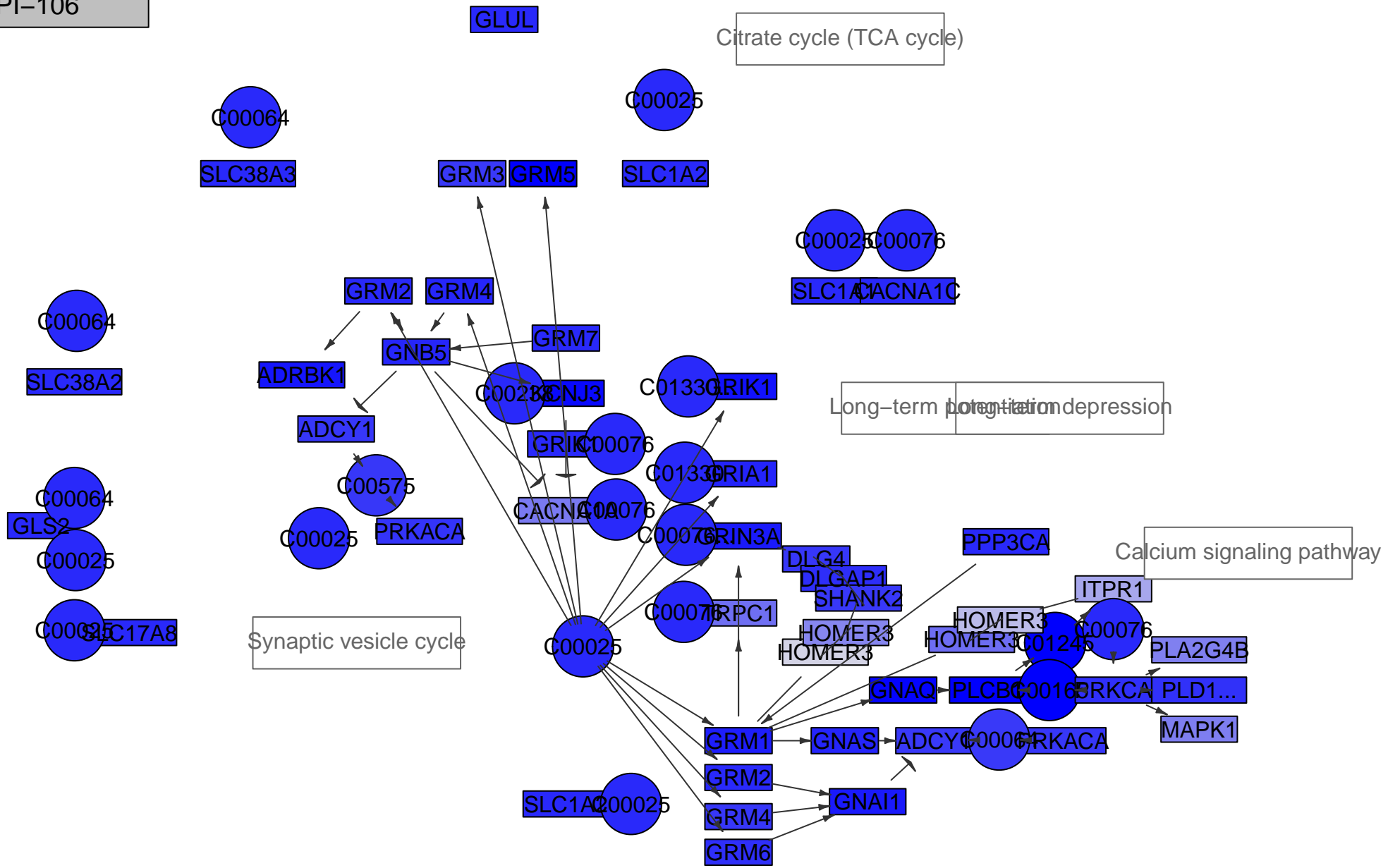
Glutamatergic synapse
MPI-098



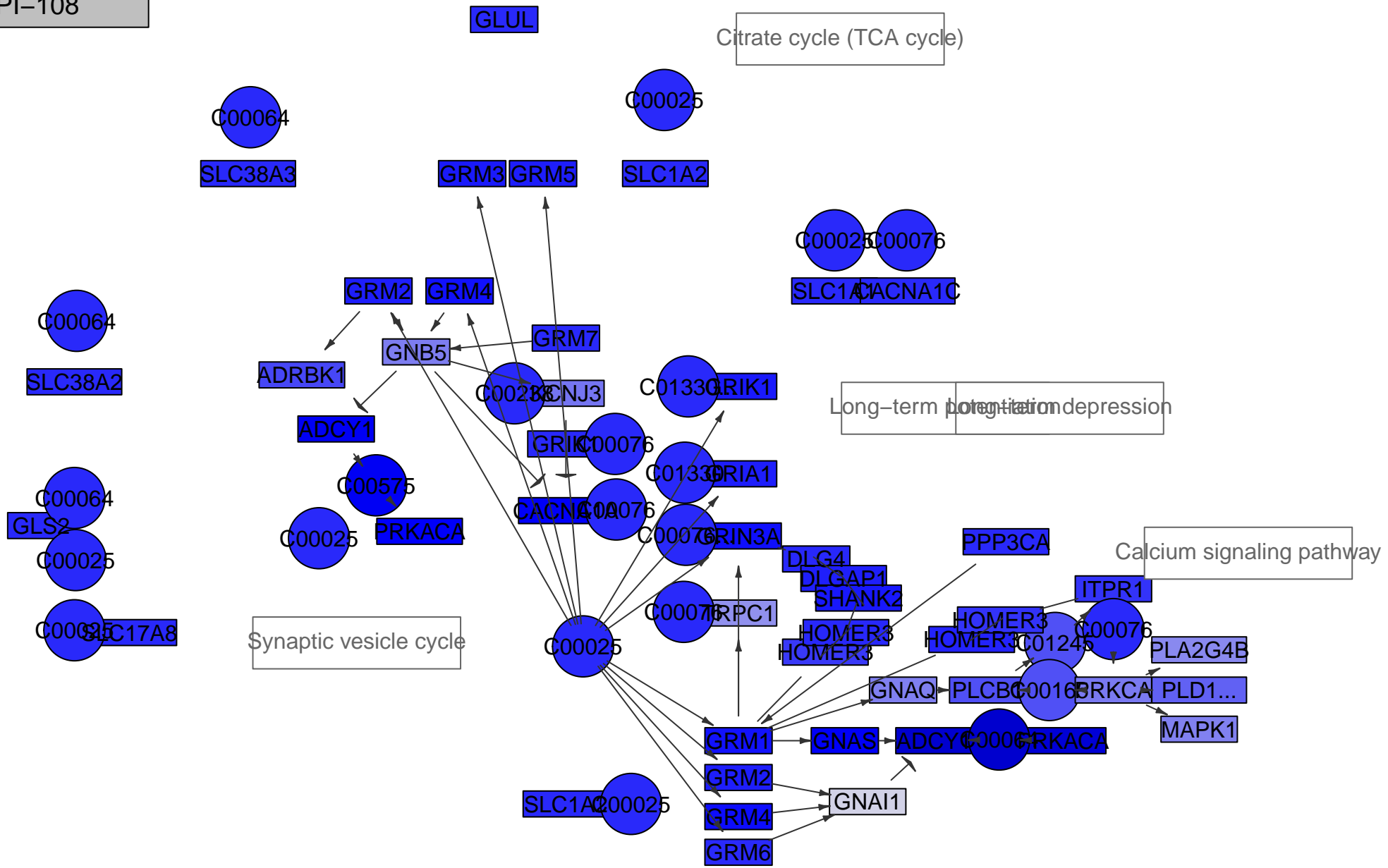
Glutamatergic synapse
MPI-105



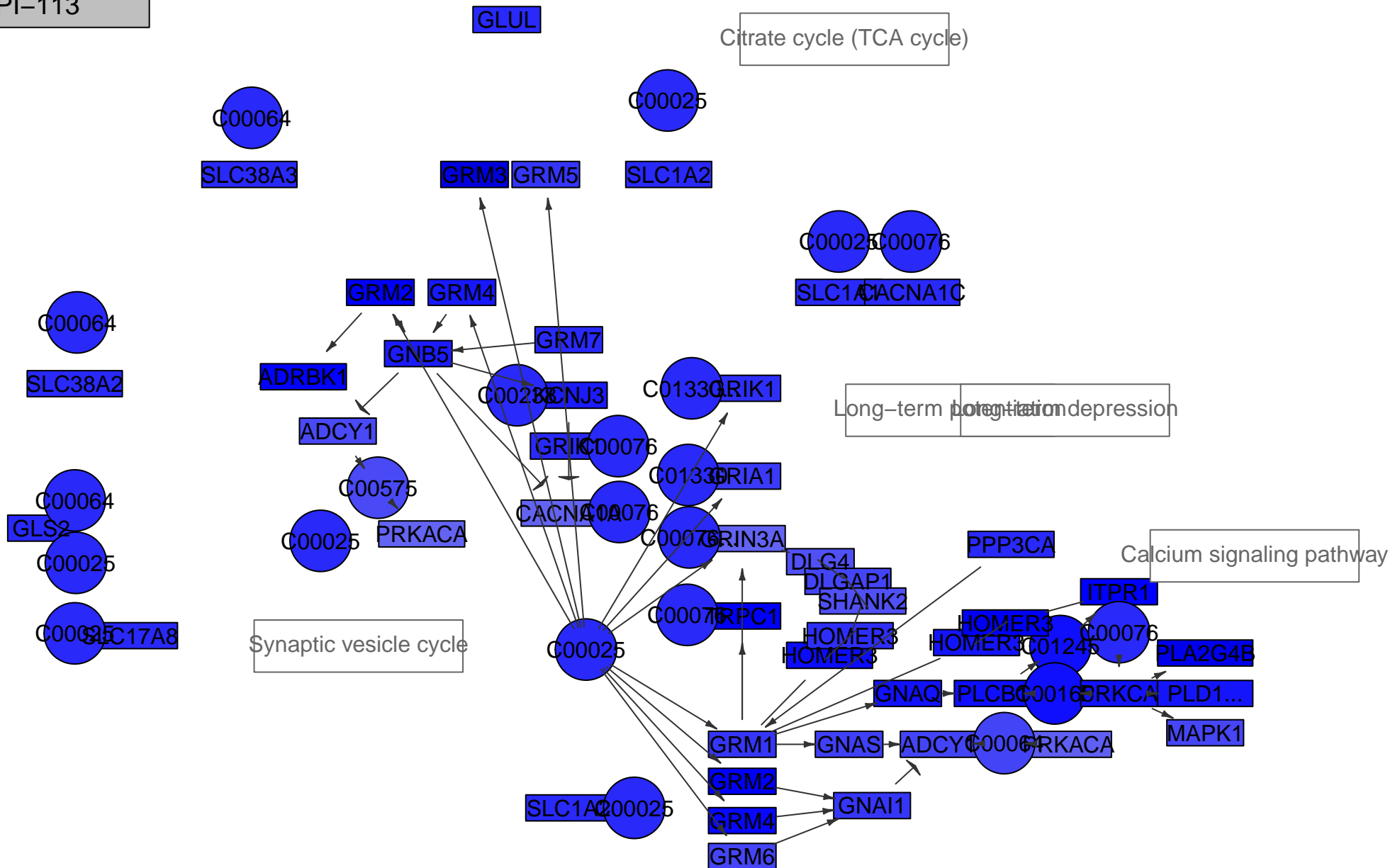
Glutamatergic synapse
MPI-106



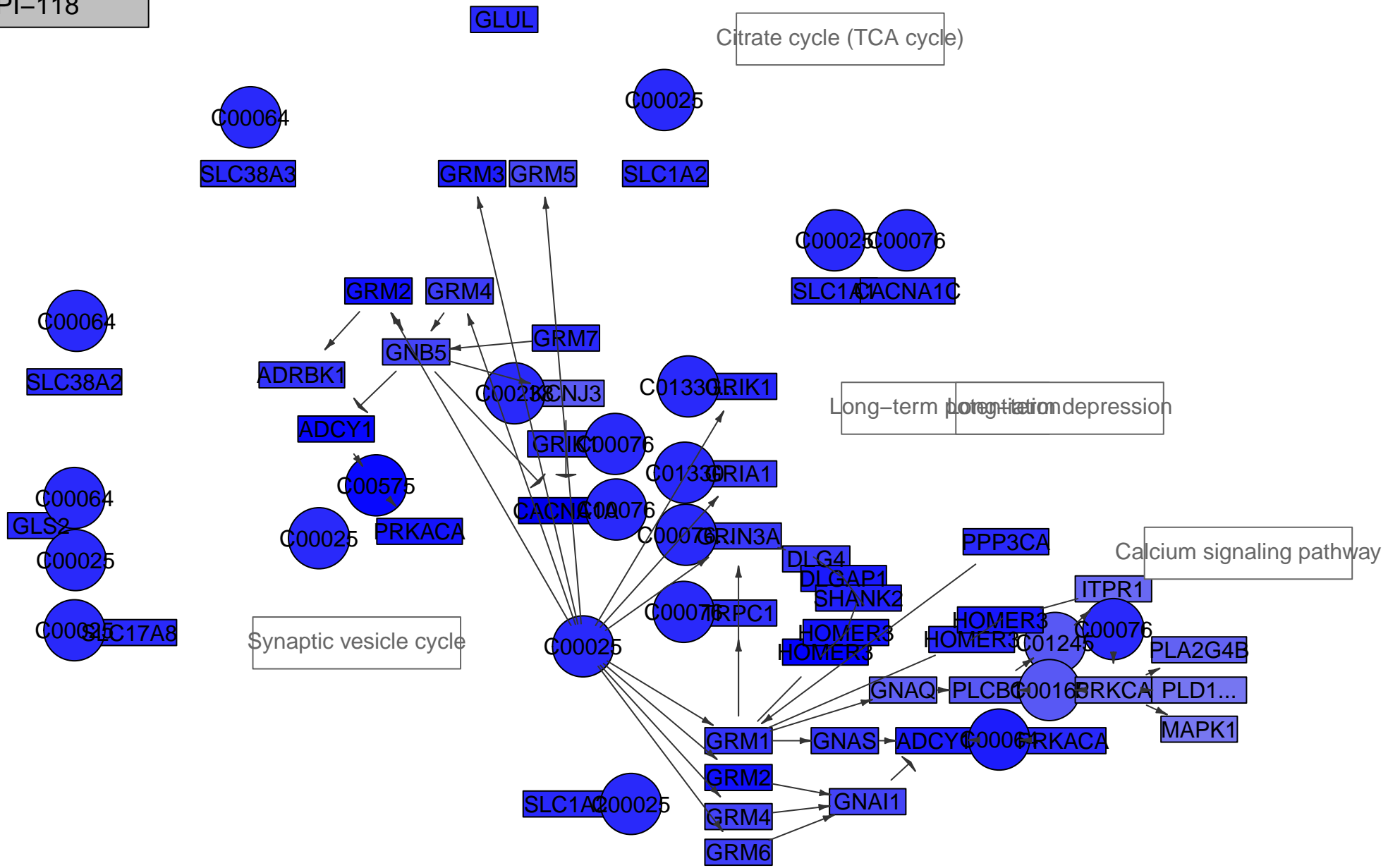
Glutamatergic synapse
MPI-108



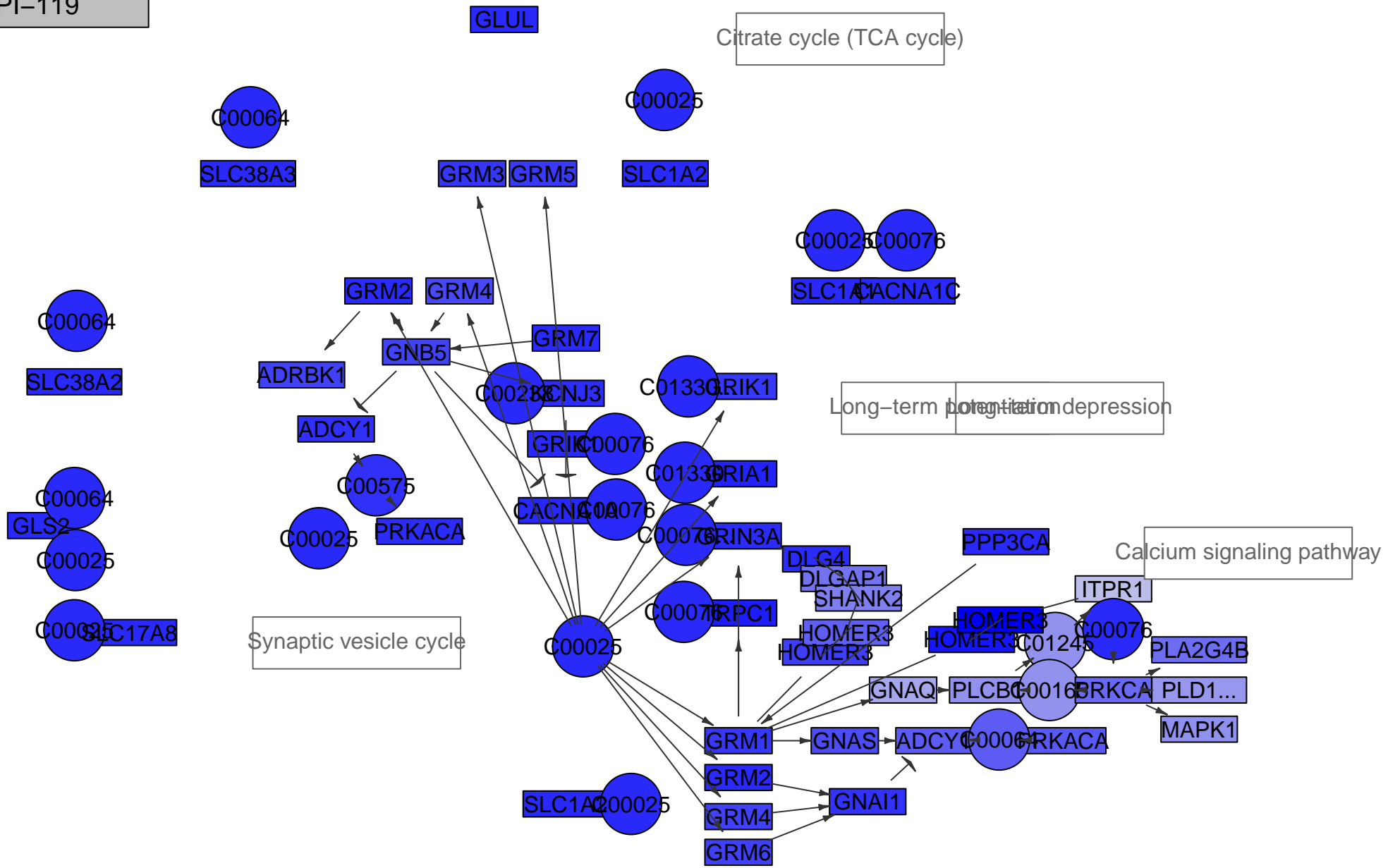
Glutamatergic synapse
MPI-113



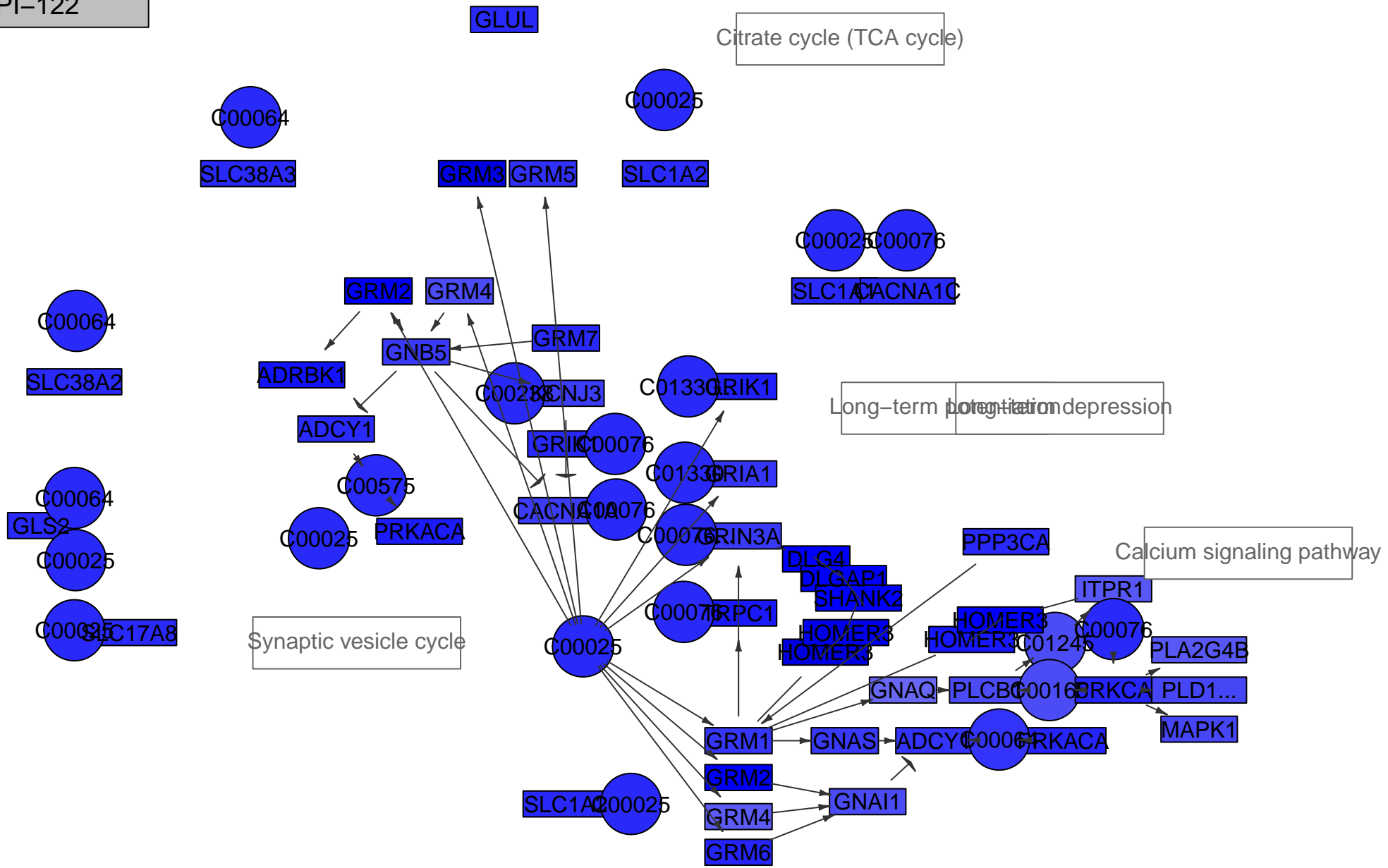
Glutamatergic synapse
MPI-118



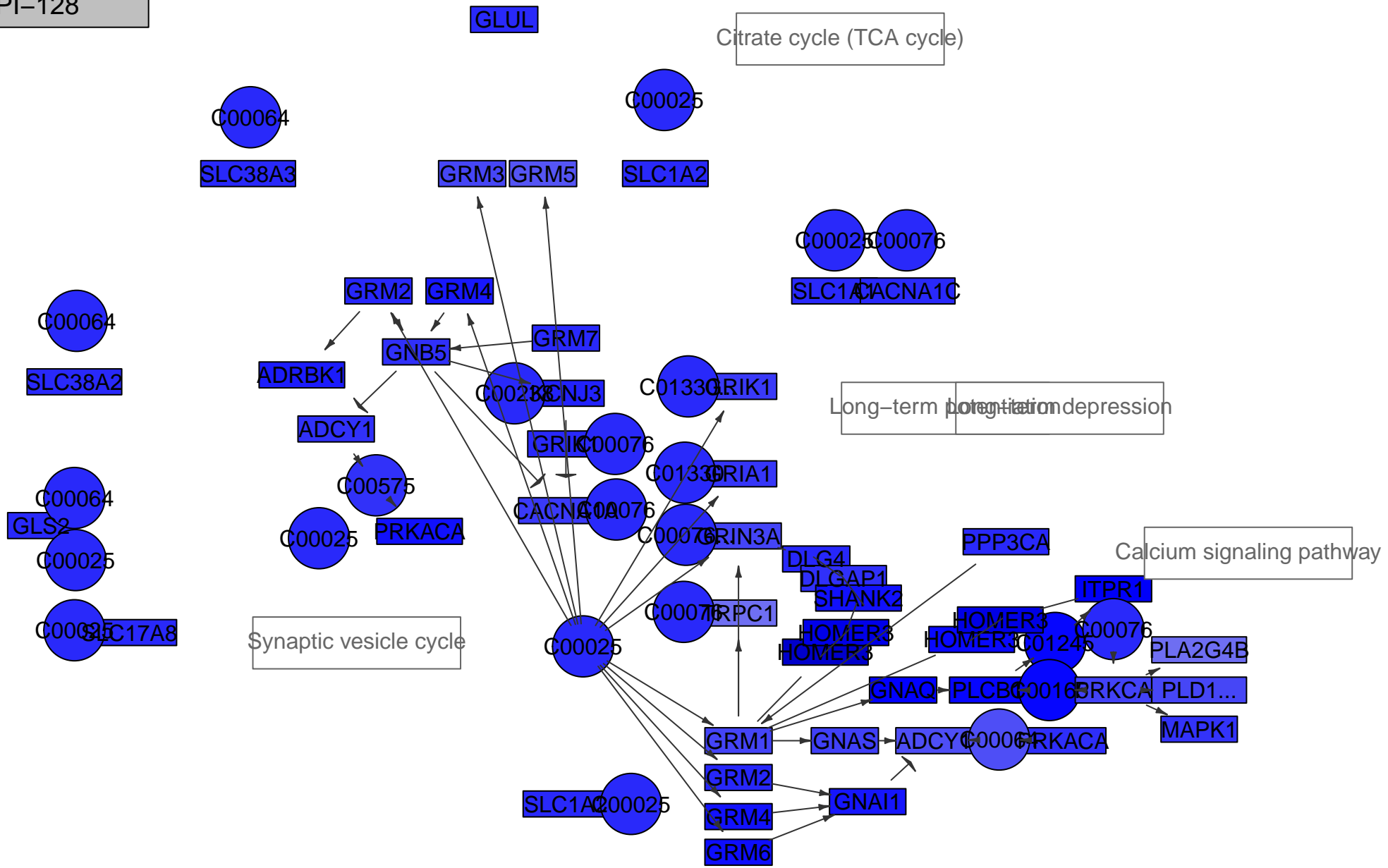
Glutamatergic synapse
MPI-119



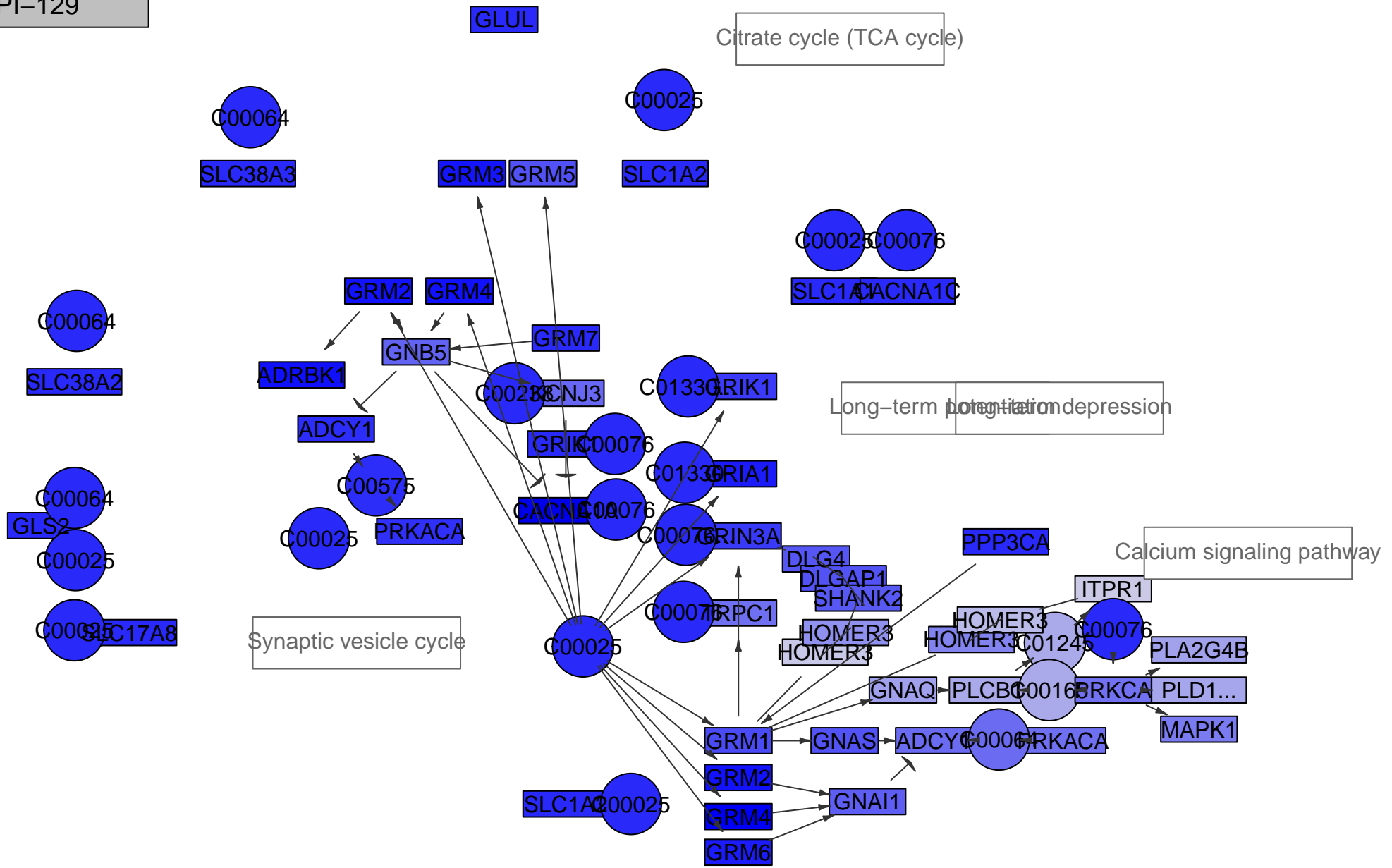
Glutamatergic synapse
MPI-122



Glutamatergic synapse
MPI-128



Glutamatergic synapse
MPI-129



GLUL

Citrate cycle (TCA cycle)

C00064
SLC38A3

C00025
SLC1A2

C00025 C00076
SLC1A1 CACNA1C

C00064
SLC38A2

GRM2 GRM4
GNB5 GRM7

Long-term potentiation/depression

ADRBK1 ADCY1
C00238 CNJ3 C01330 GRIK1
GRIIC C00076 GRIA1
C00575 PRKACA CACNA1A C00076 GRIN3A

C00064
GLS2
C00025
C00025
C00025
SLC17A8

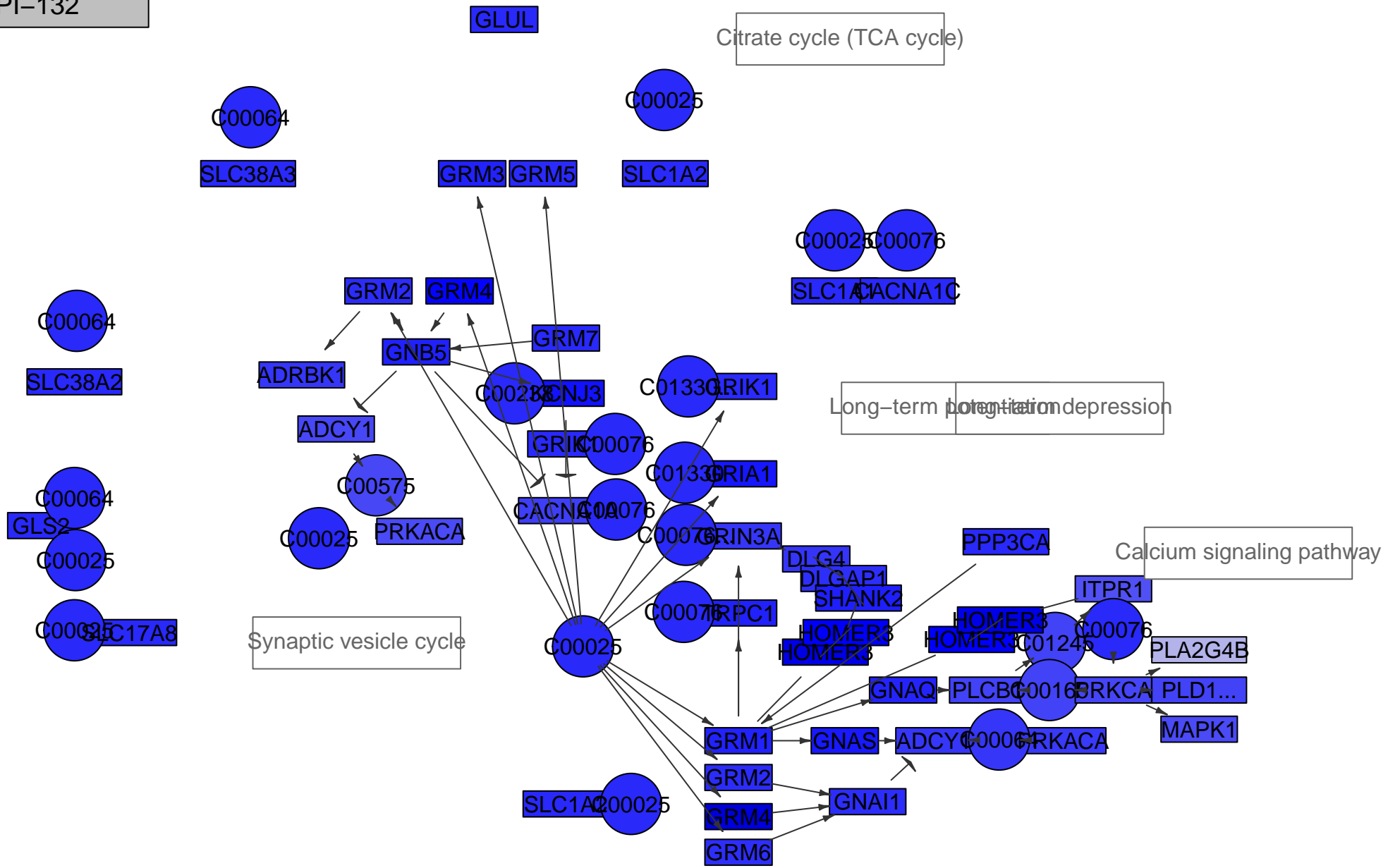
Synaptic vesicle cycle

C00025
SLC1A2 C00025

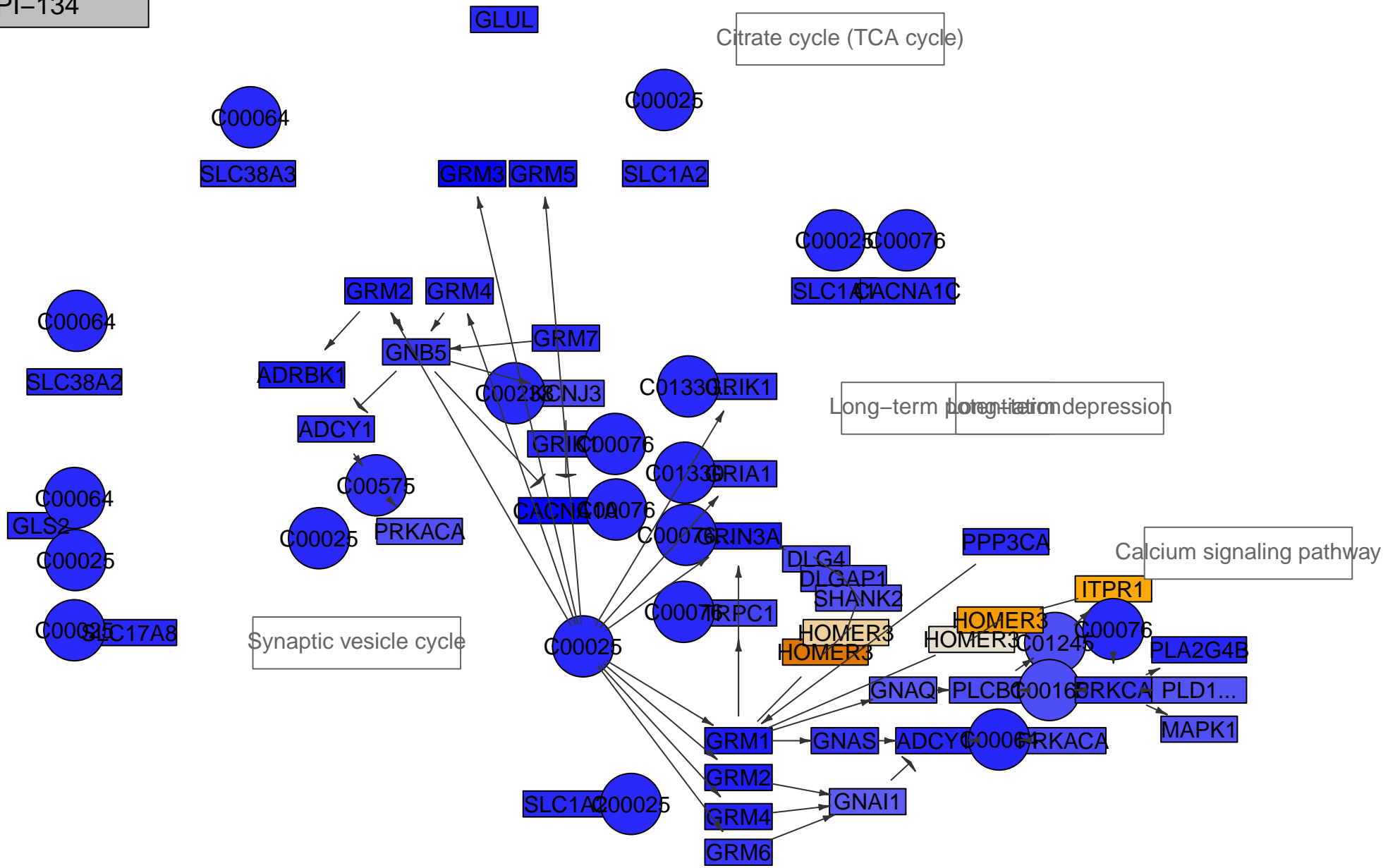
C00076 RPRC1
DLG4 DLGAP1 SHANK2
HOMER3 HOMER3
PPP3CA ITPR1
C00076 PLA2G4B
C01245 GNAQ PLCB GNAS ADCY PRKACA
C00076 MAPK1

Calcium signaling pathway

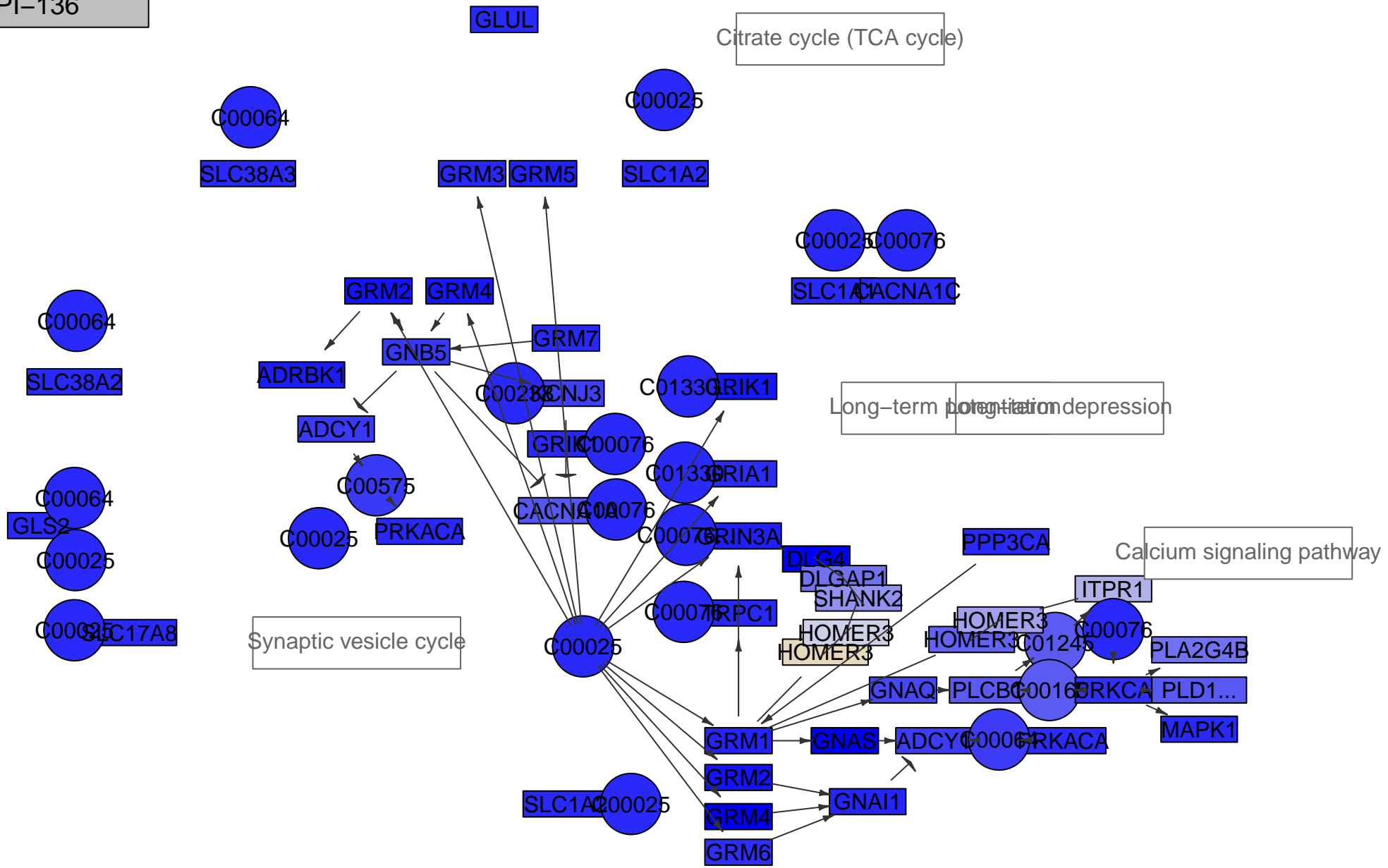
Glutamatergic synapse
MPI-132



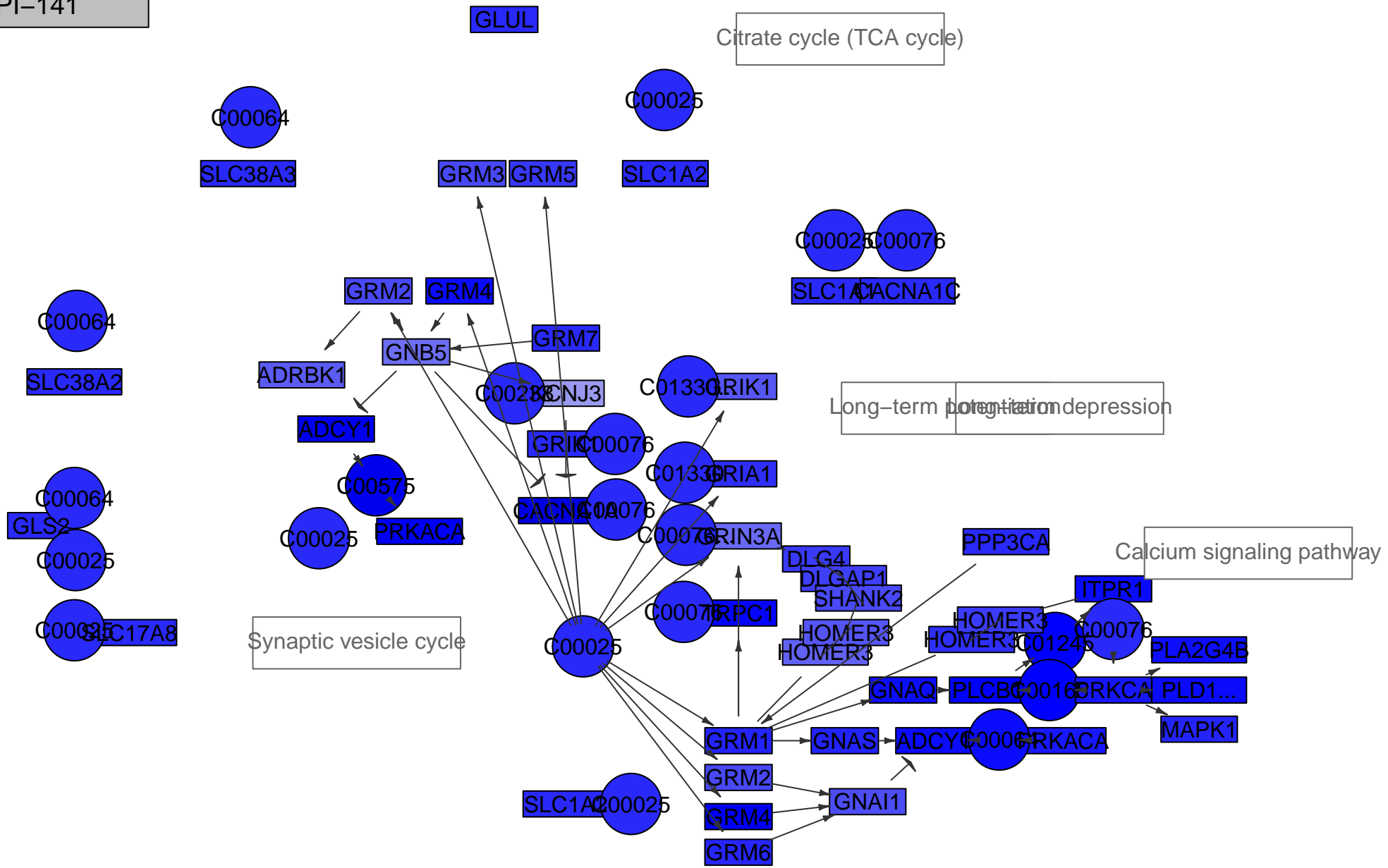
Glutamatergic synapse
MPI-134



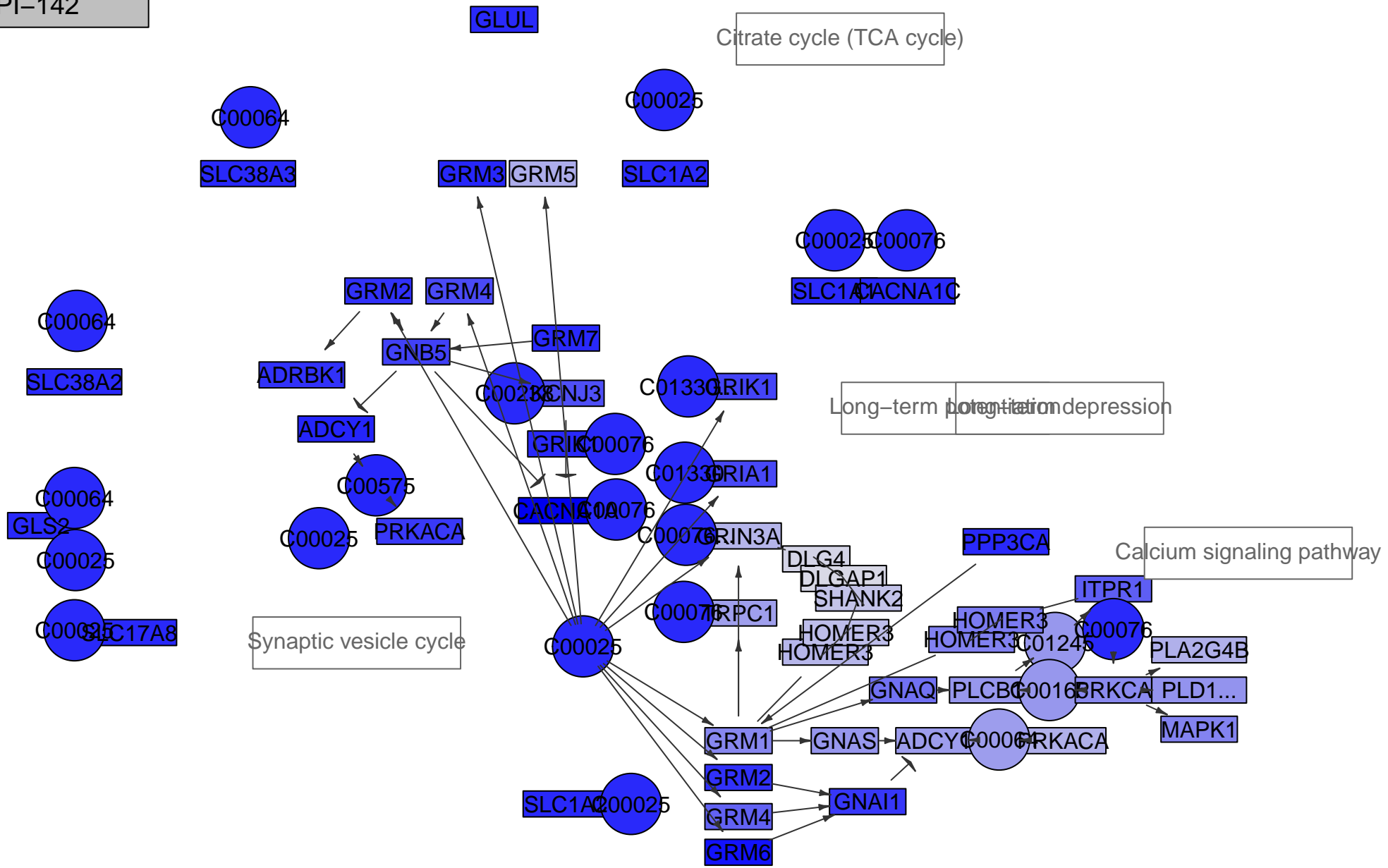
Glutamatergic synapse
MPI-136



Glutamatergic synapse
MPI-141



Glutamatergic synapse
MPI-142



GLUL

Citrate cycle (TCA cycle)

C00064
SLC38A3

C00025
SLC1A2

C00025 C00076
SLC1A2 CACNA1C

C00064
SLC38A2

GRM2 GRM4
GNB5 GRM7
ADRBK1 GRIIC

Long-term potentiation/depression

C00064
GLS2
C00025

C00575
PRKACA
C00025

C00285 CNJ3
C01330 GRIK1
C00076 GRIIC
C01330 GRIA1
C00076 CACNA1C
C00076 GRIIC
C00076 GRIIC

Synaptic vesicle cycle

C00025
SLC17A8

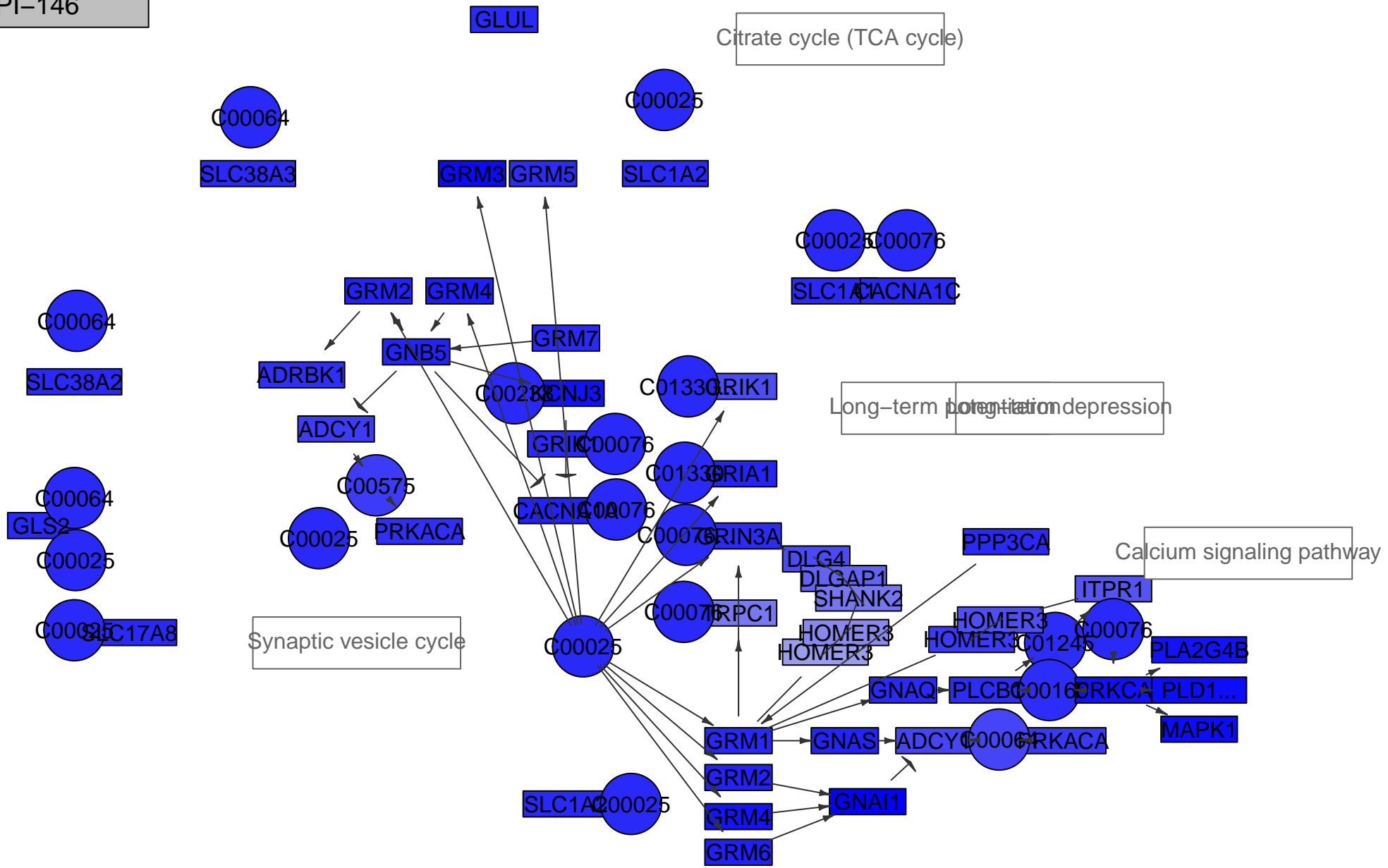
C00025
SLC1A2
C00025

C00076 RFP1
GRM1
GRM2
GRM4
GRM6
GNAS
GNAI1

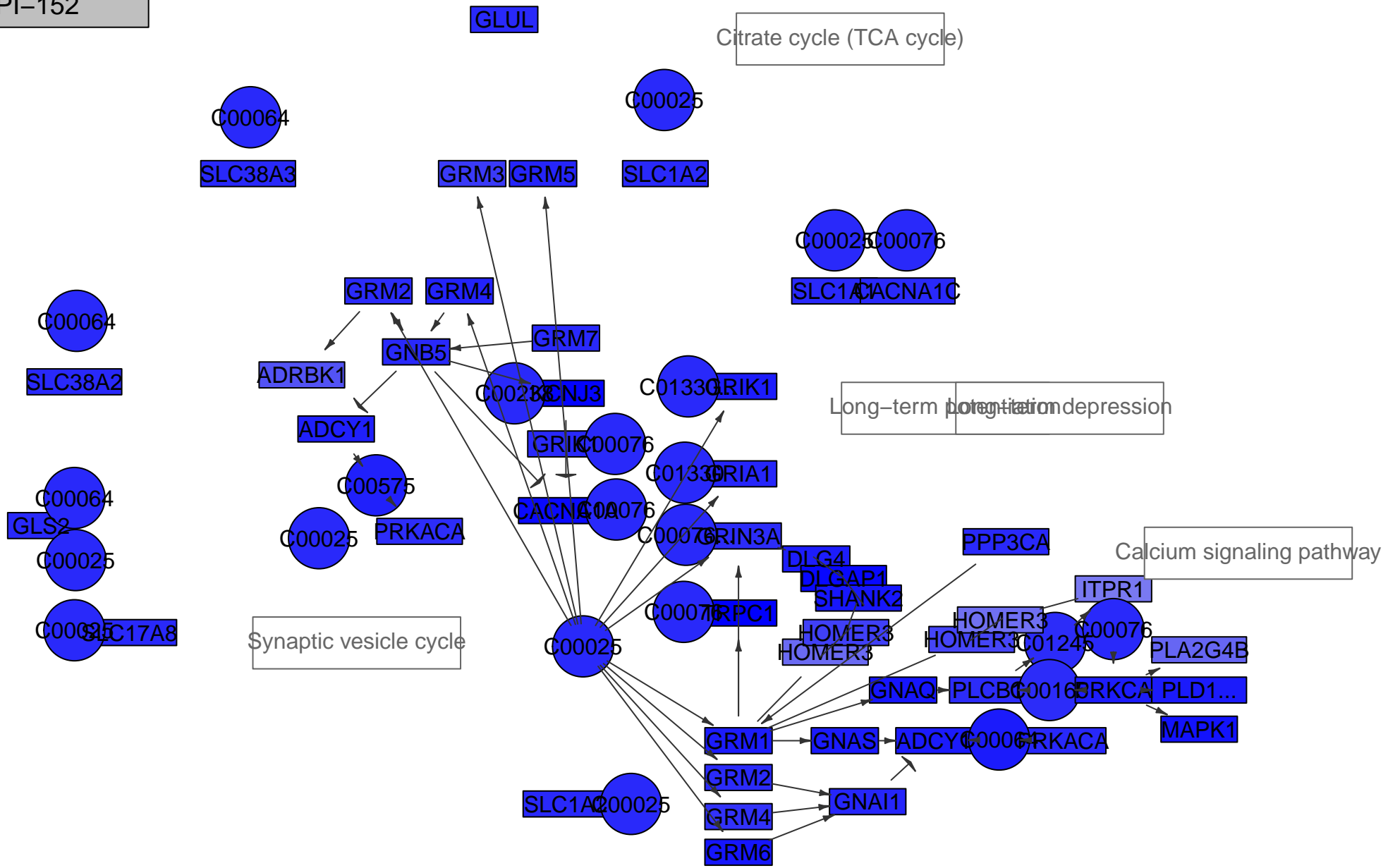
DLG4
DLGAP1
SHANK2
HOMER3
HOMER3

PPP3CA
Calcium signaling pathway
ITPR1
HOMER3
HOMER3
C01245
C00076
PLA2G4B
PLD1...
MAPK1
GNAQ
PLCB1
C00165
PRKACA
C00064
PRKACA

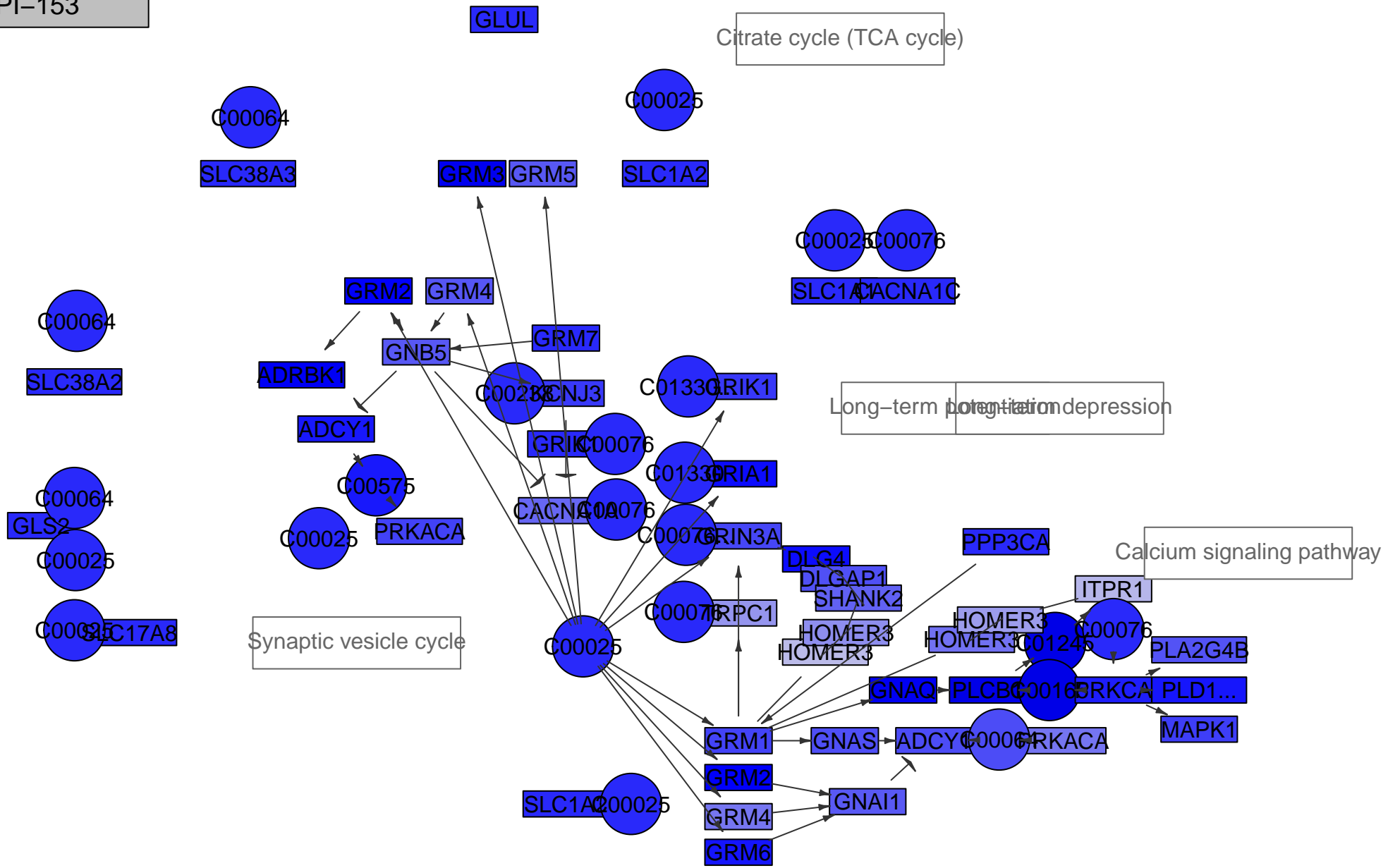
Glutamatergic synapse
MPI-146



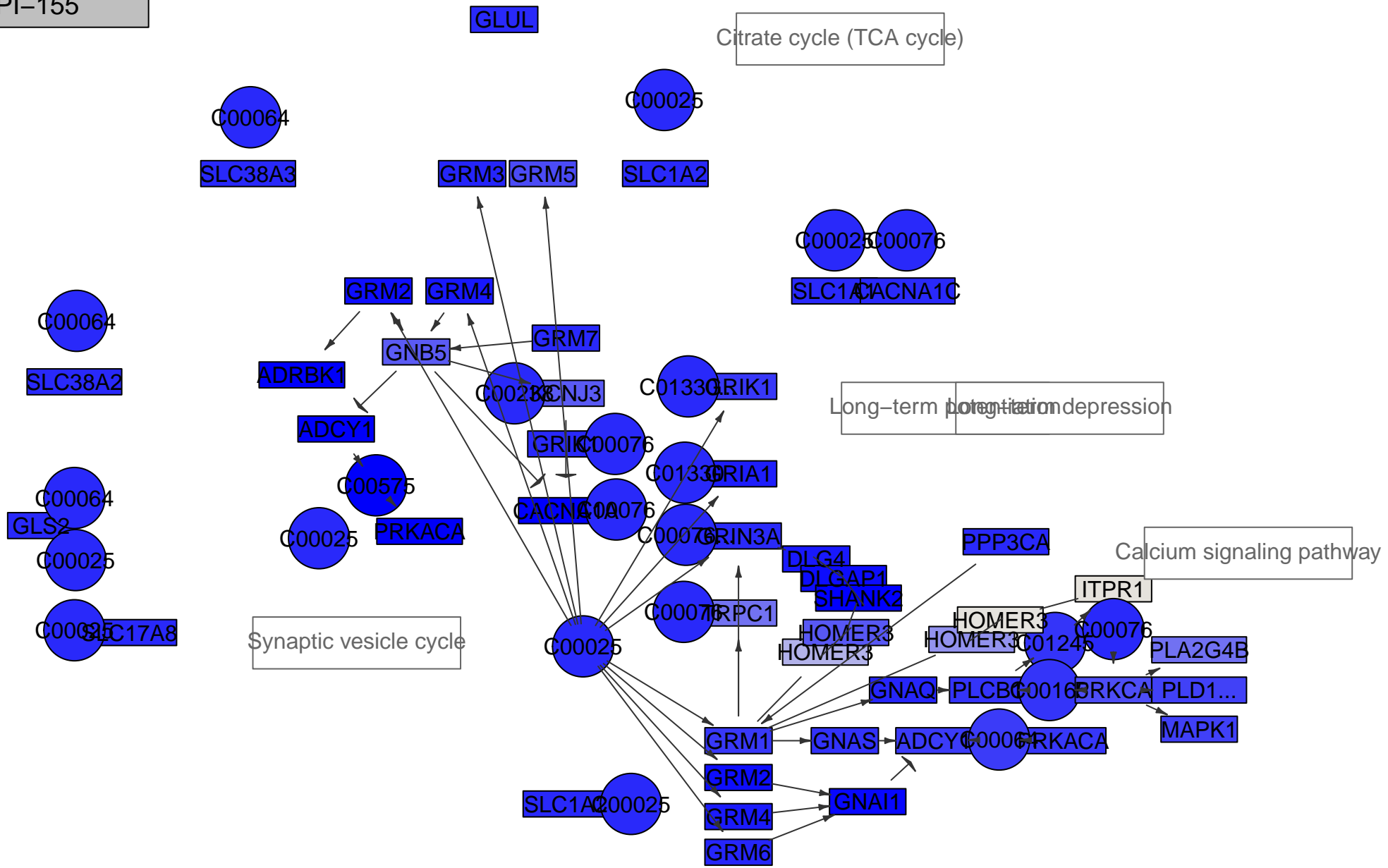
Glutamatergic synapse
MPI-152



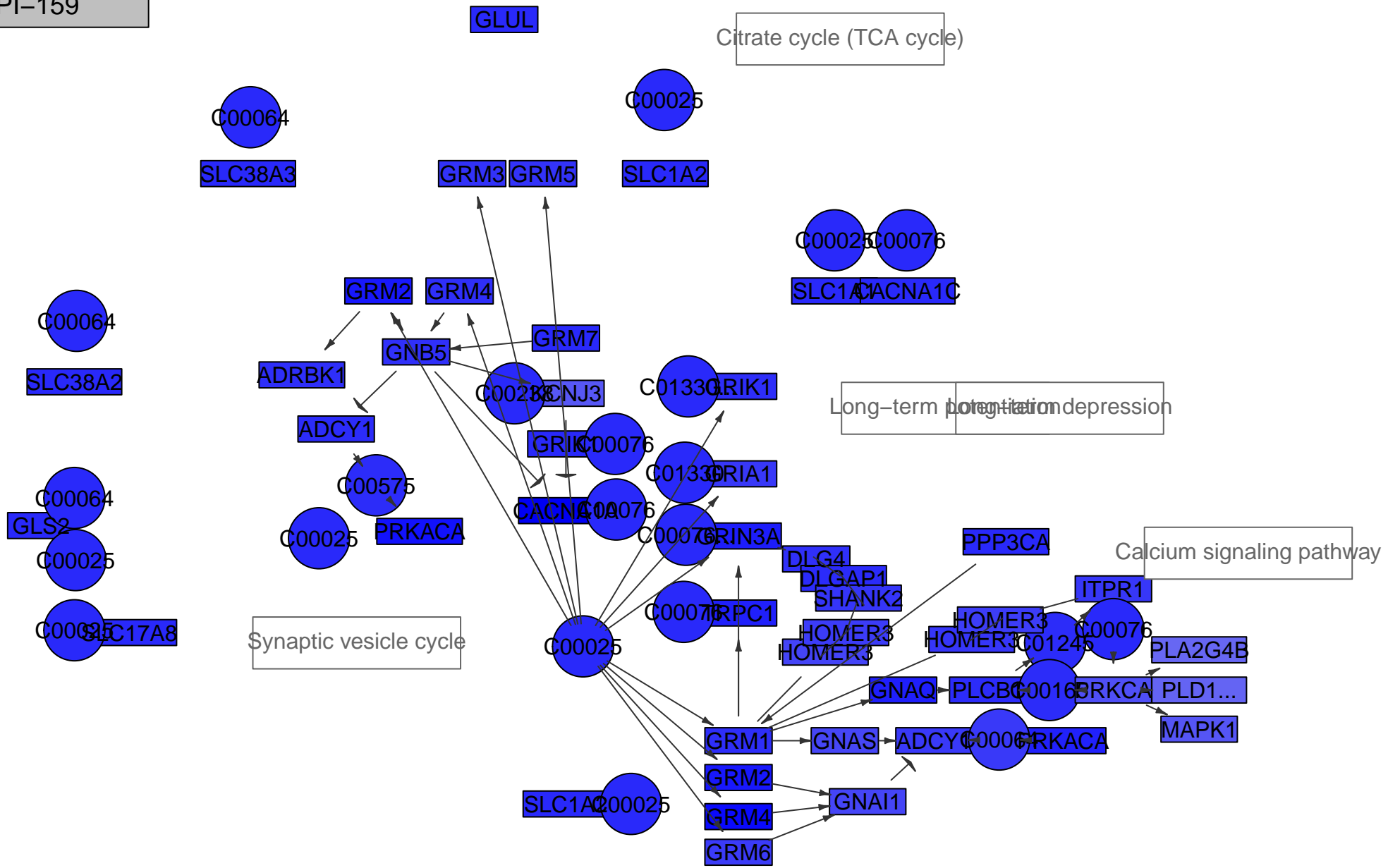
Glutamatergic synapse
MPI-153



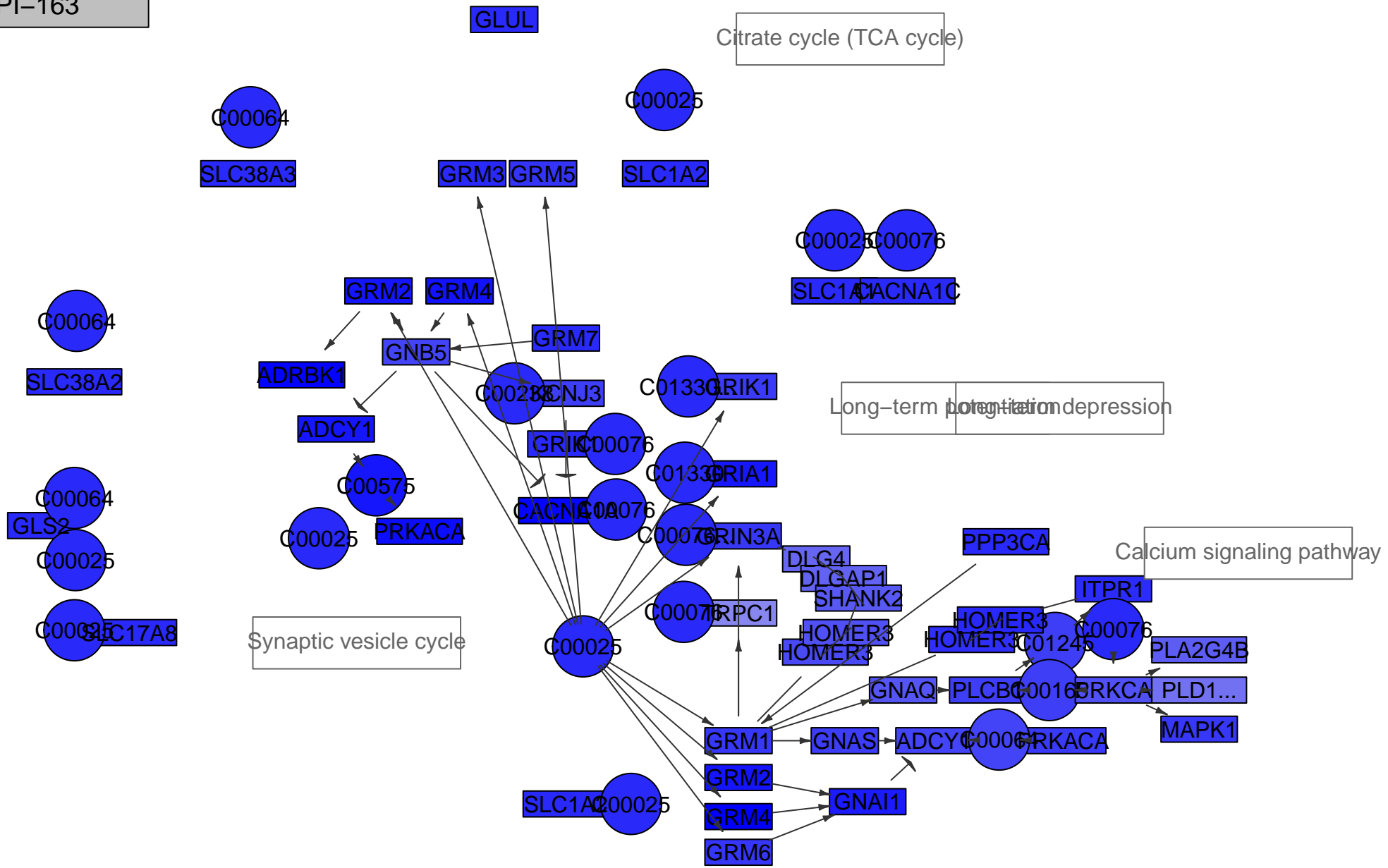
Glutamatergic synapse
MPI-155



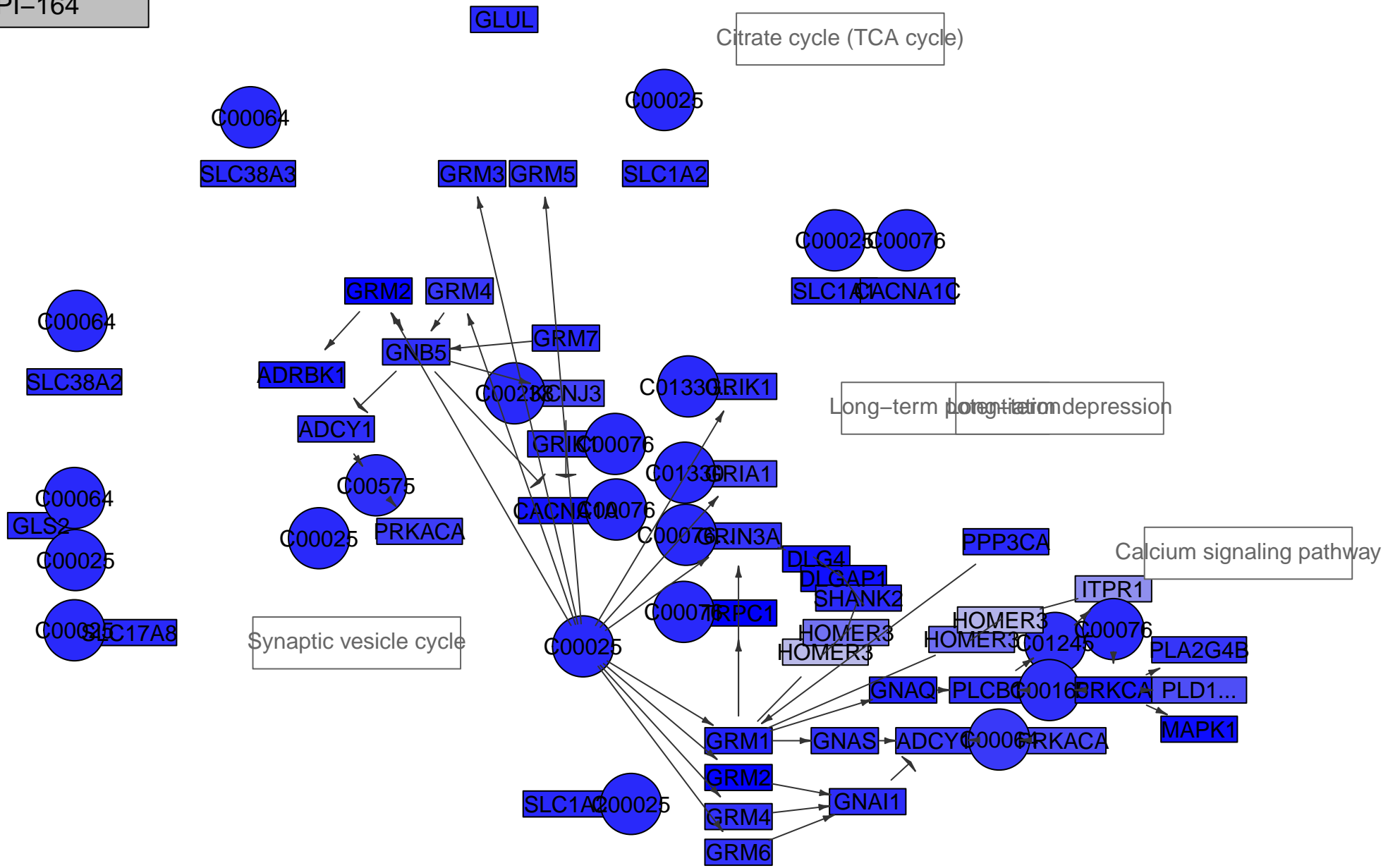
Glutamatergic synapse
MPI-159



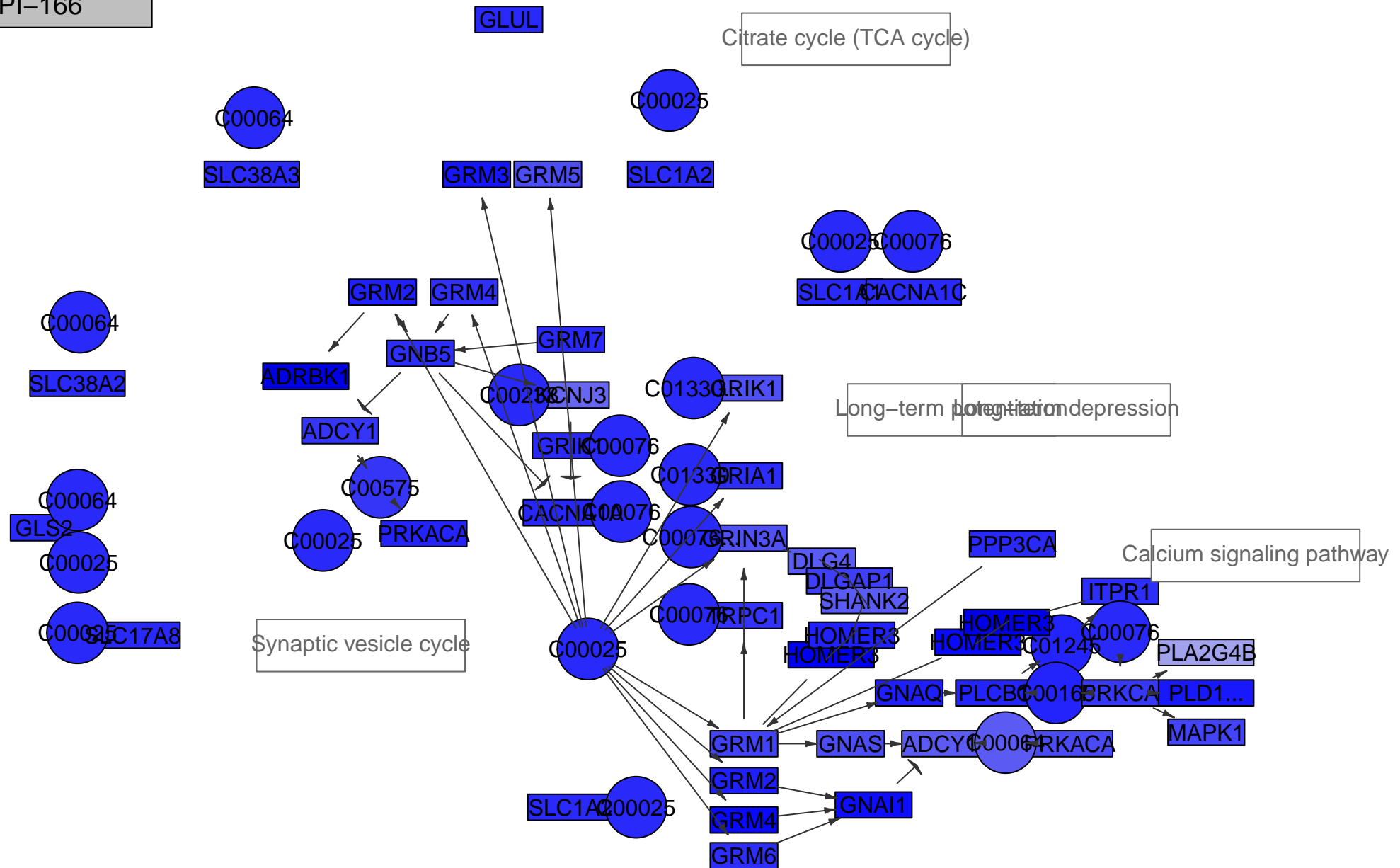
Glutamatergic synapse
MPI-163



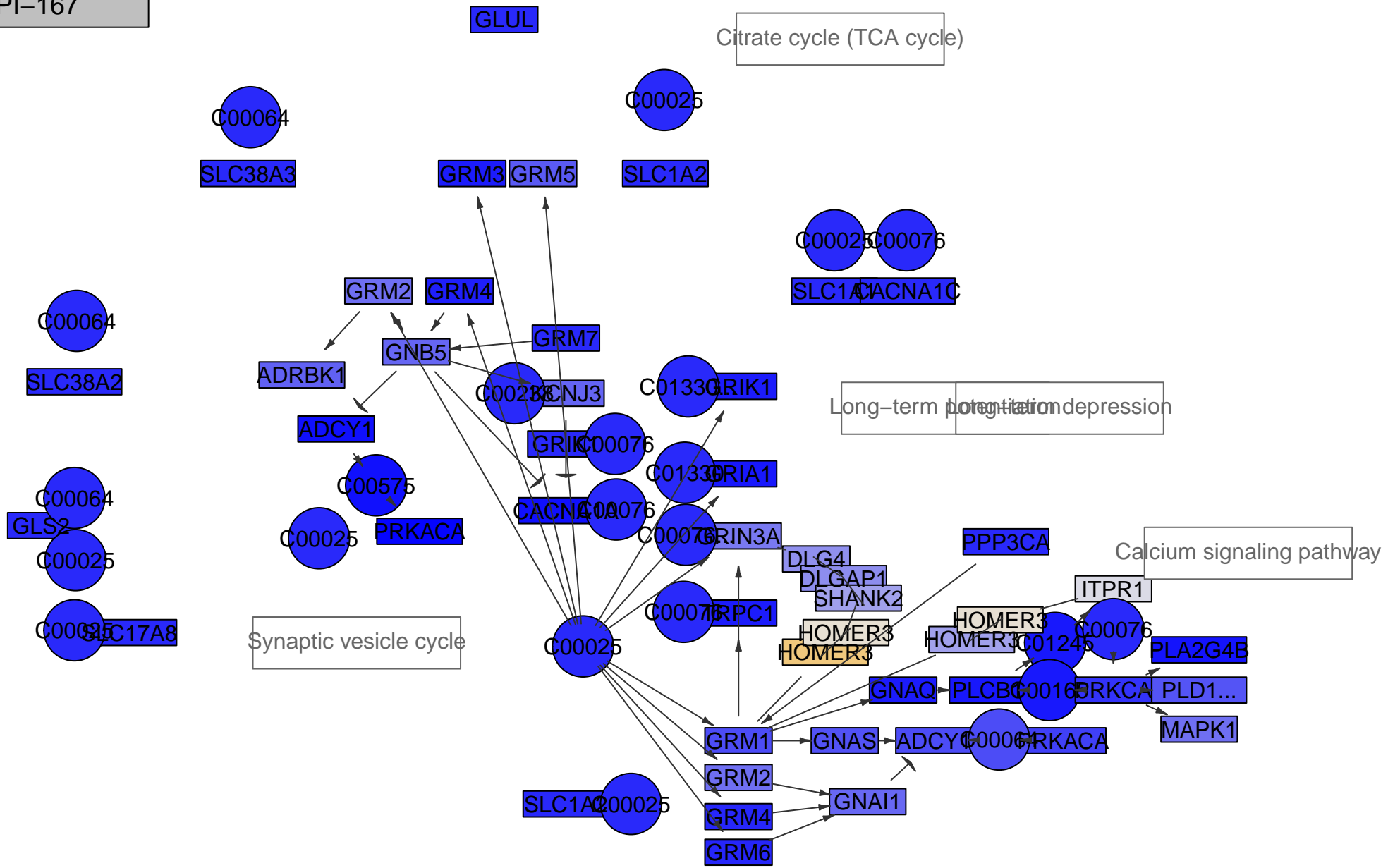
Glutamatergic synapse
MPI-164



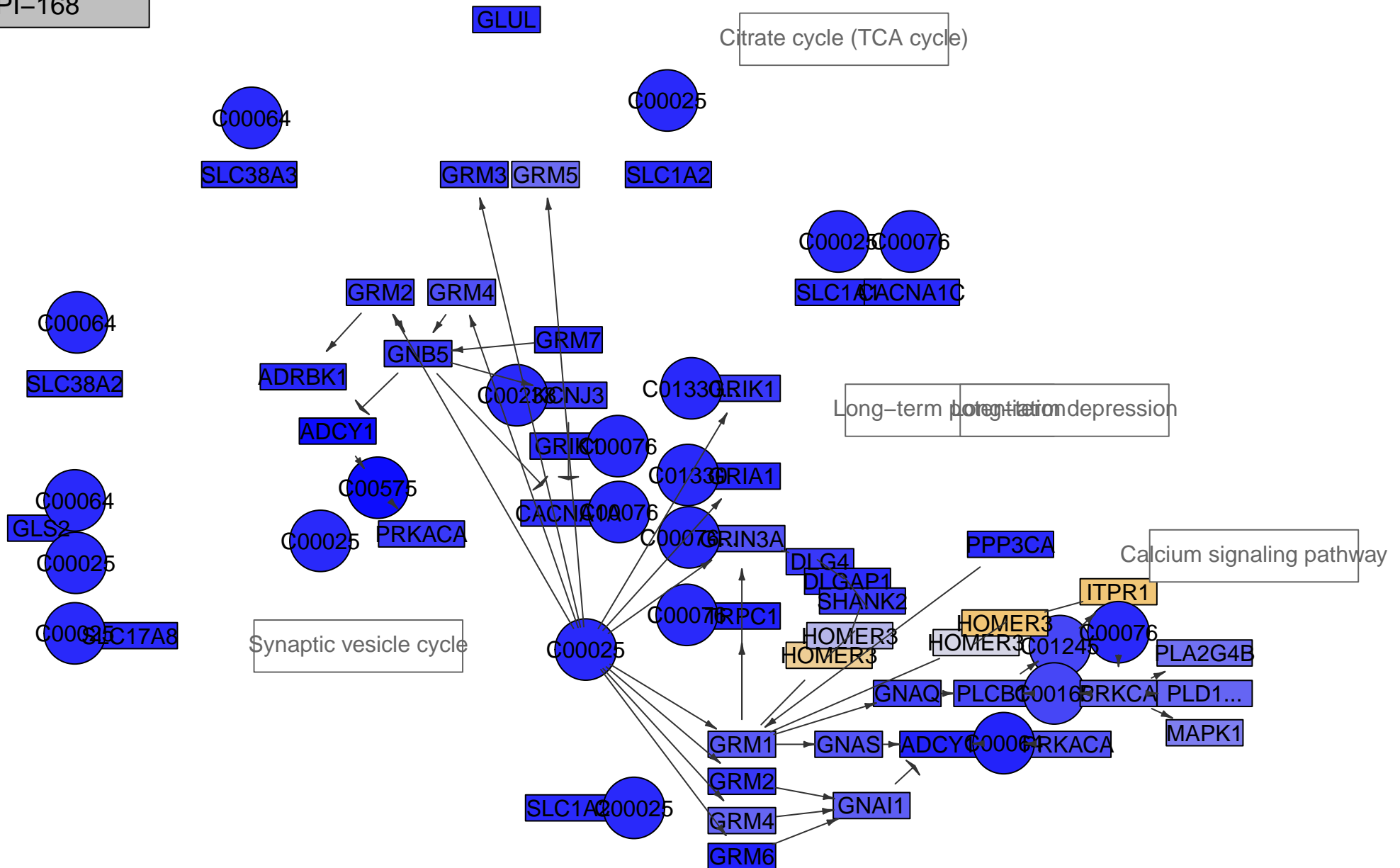
Glutamatergic synapse
MPI-166



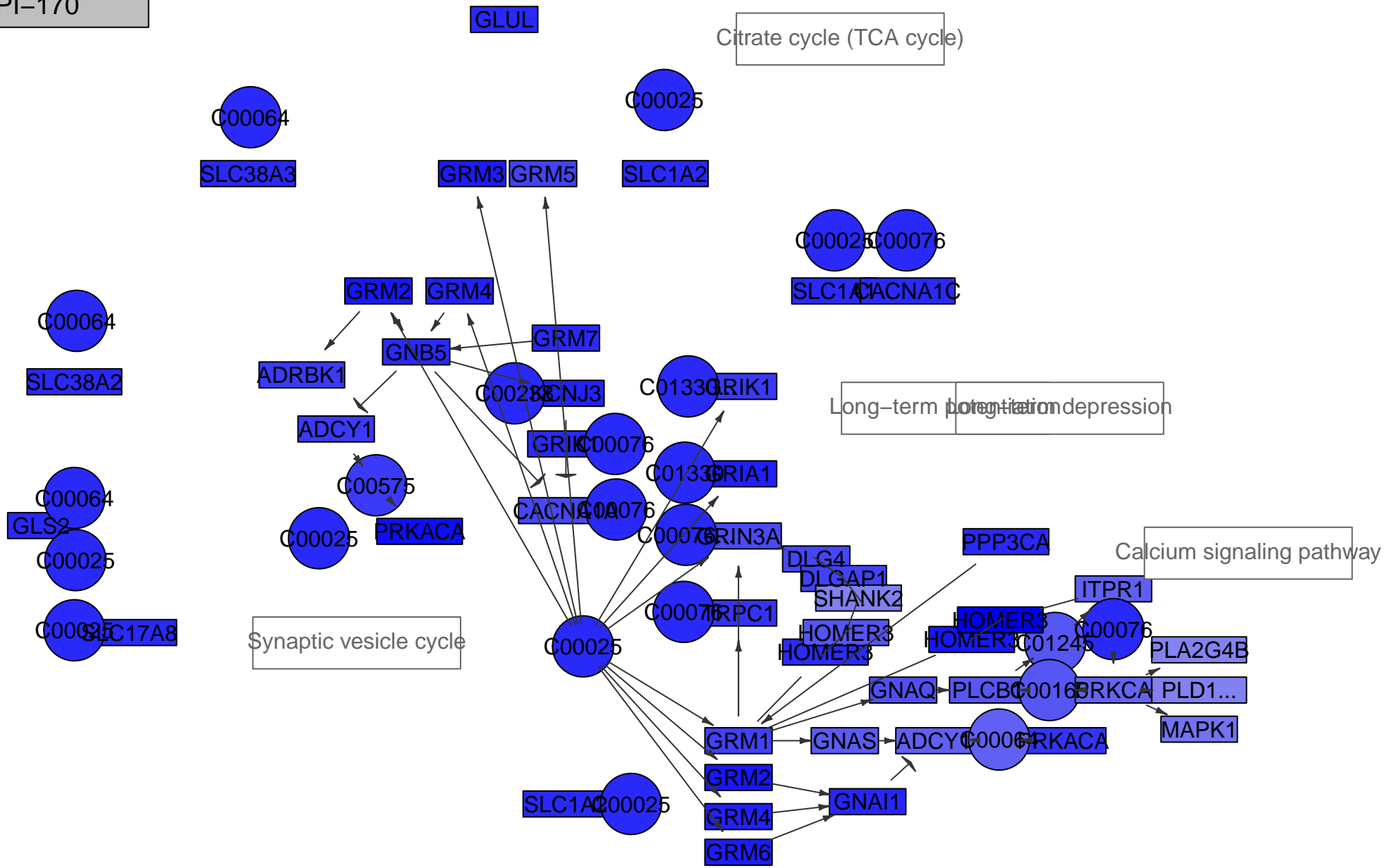
Glutamatergic synapse
MPI-167



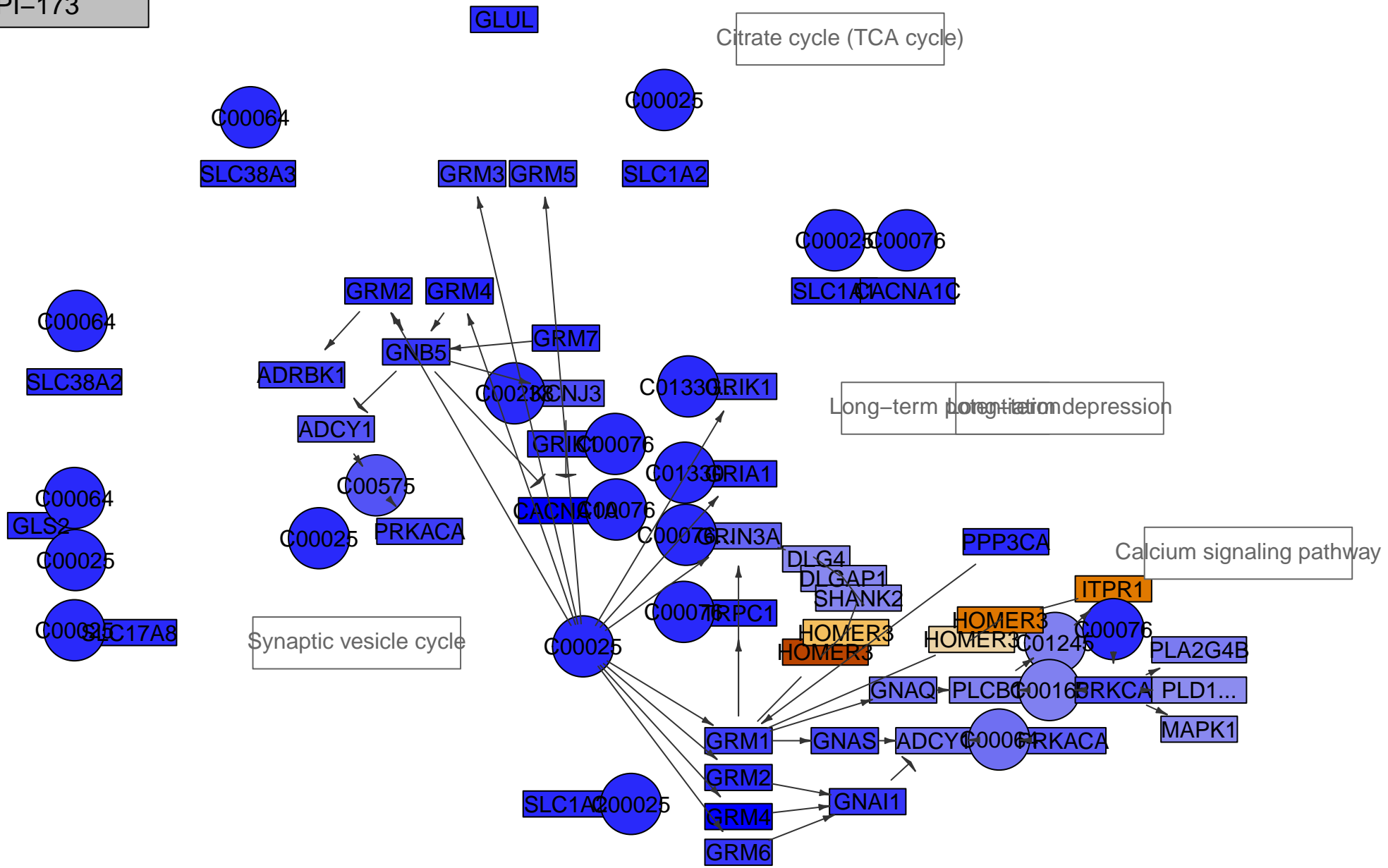
Glutamatergic synapse
MPI-168



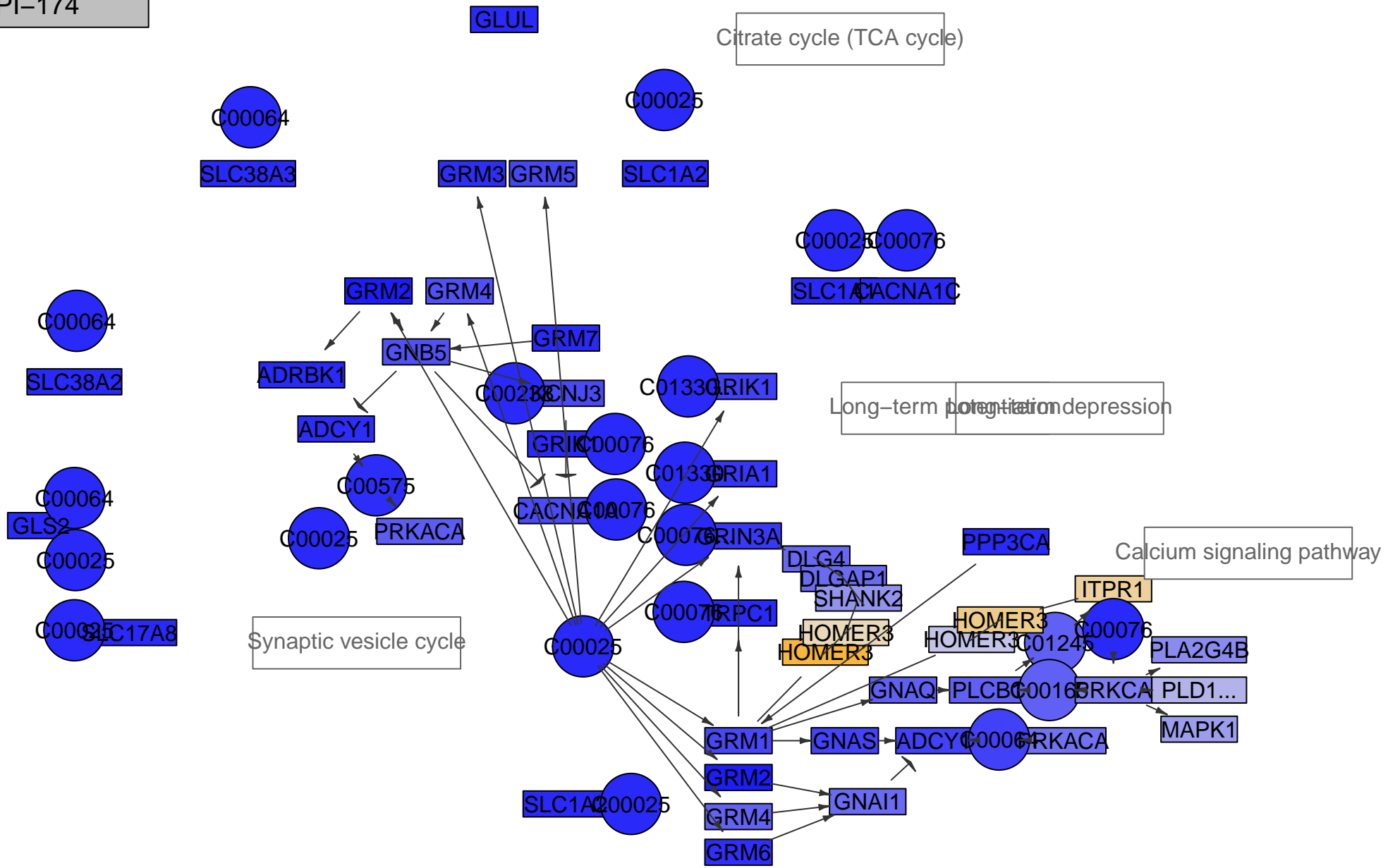
Glutamatergic synapse
MPI-170



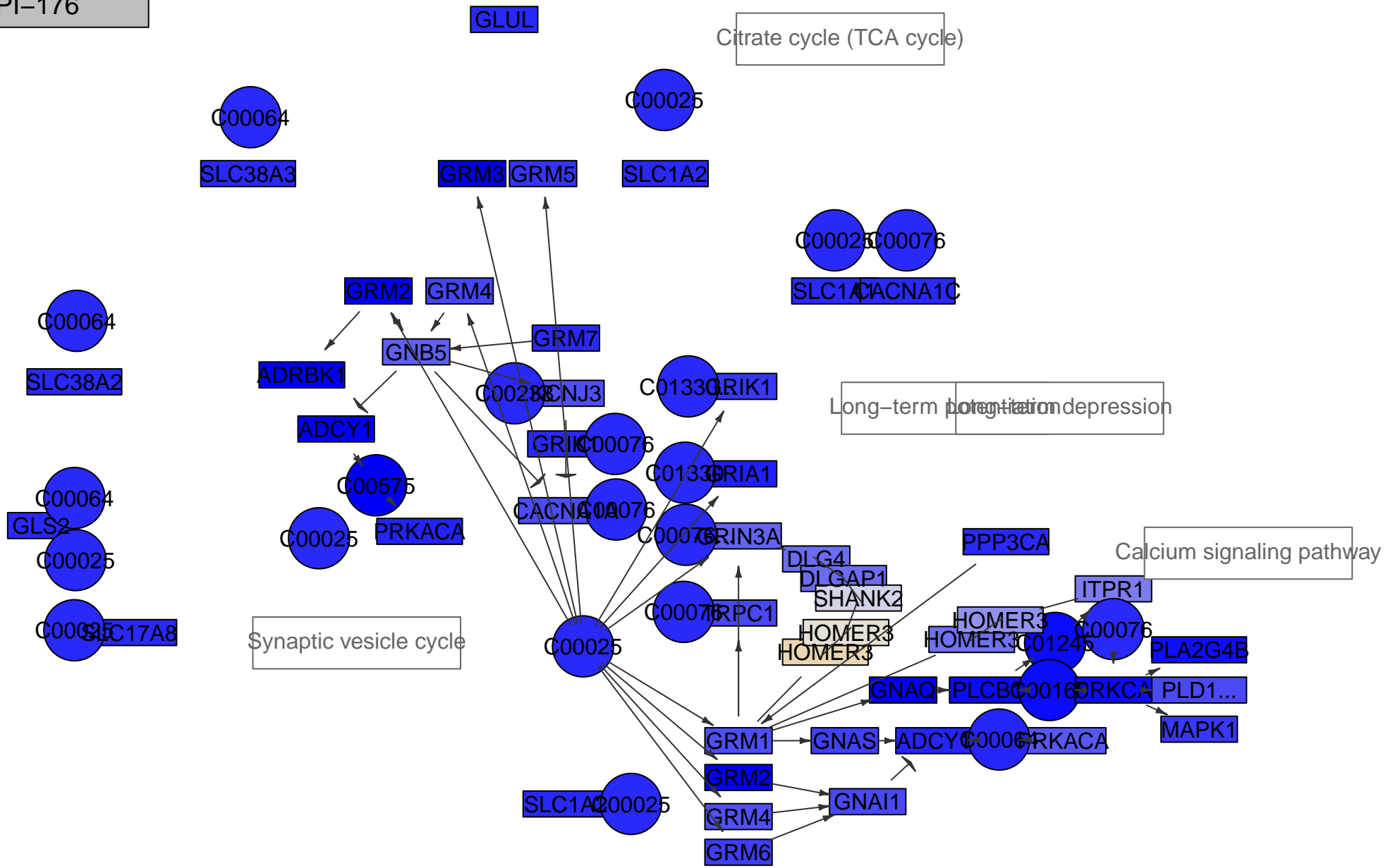
Glutamatergic synapse
MPI-173



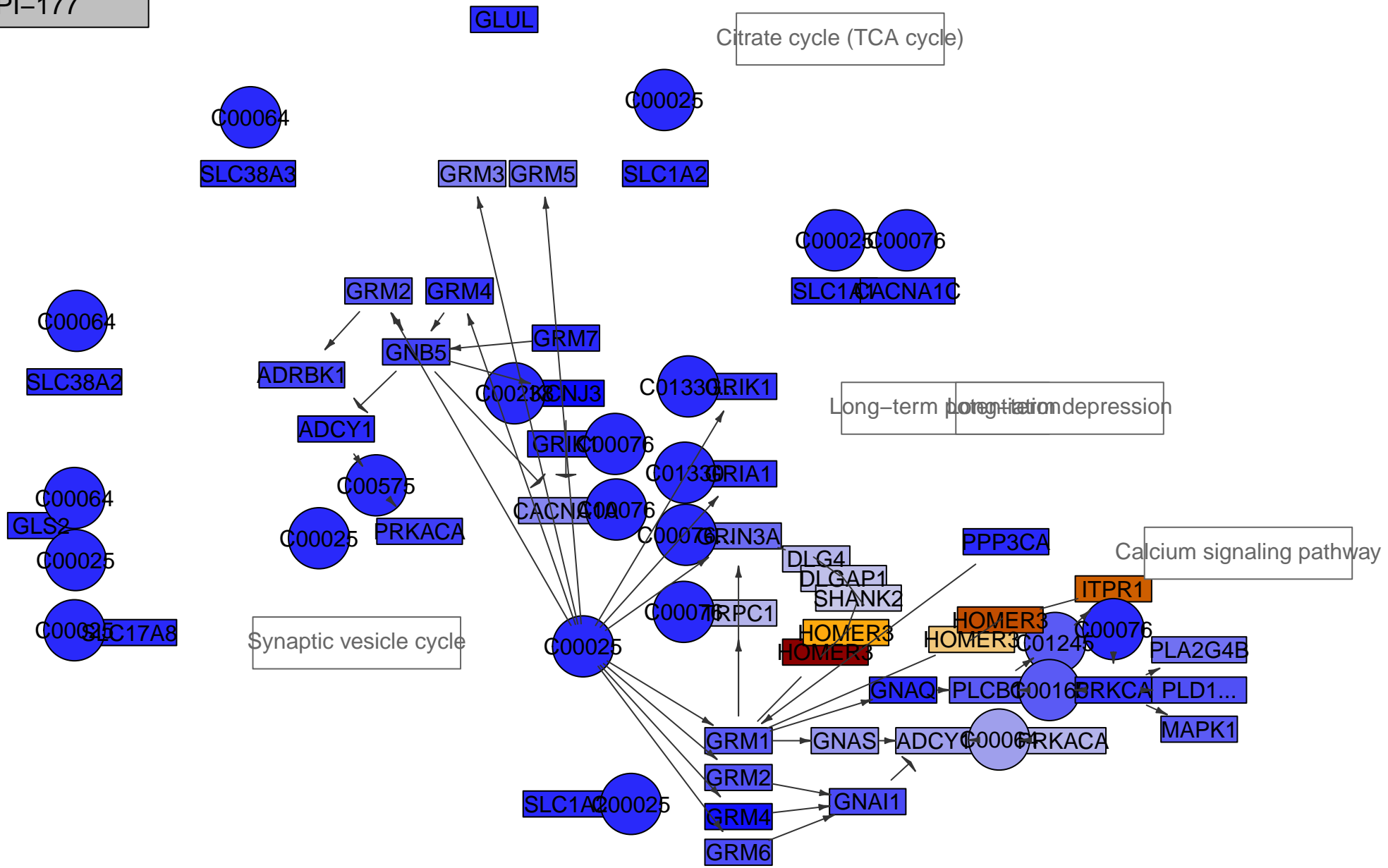
Glutamatergic synapse
MPI-174



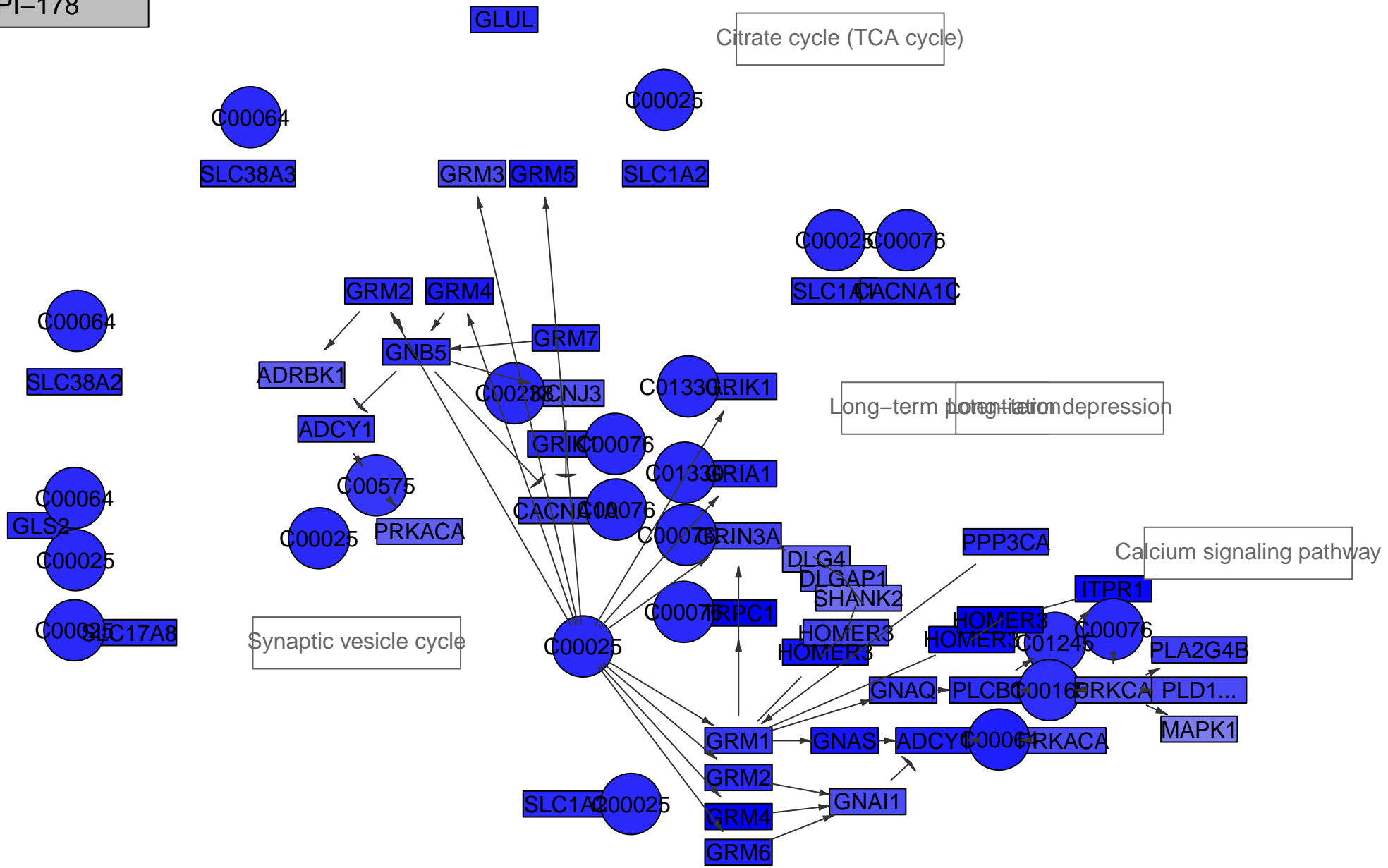
Glutamatergic synapse
MPI-176



Glutamatergic synapse
MPI-177



Glutamatergic synapse
MPI-178



GLUL

Citrate cycle (TCA cycle)

C00064
SLC38A3

C00025
SLC1A2

C00025 C00076
SLC1A1 CACNA1C

C00064
SLC38A2

GRM2 GRM4
GNB5
ADRBK1
GRM7
C00238 CNJ3

Long-term potentiation/depression

ADCY1
C00575
C00025 PRKACA

GRIIC C00076
C01330 GRIK1
C01330 GRIA1
CACNA1A C00076
C00076 GRIN3A

C00064
GLS2
C00025
C00025
C00025 SLC17A8

Synaptic vesicle cycle

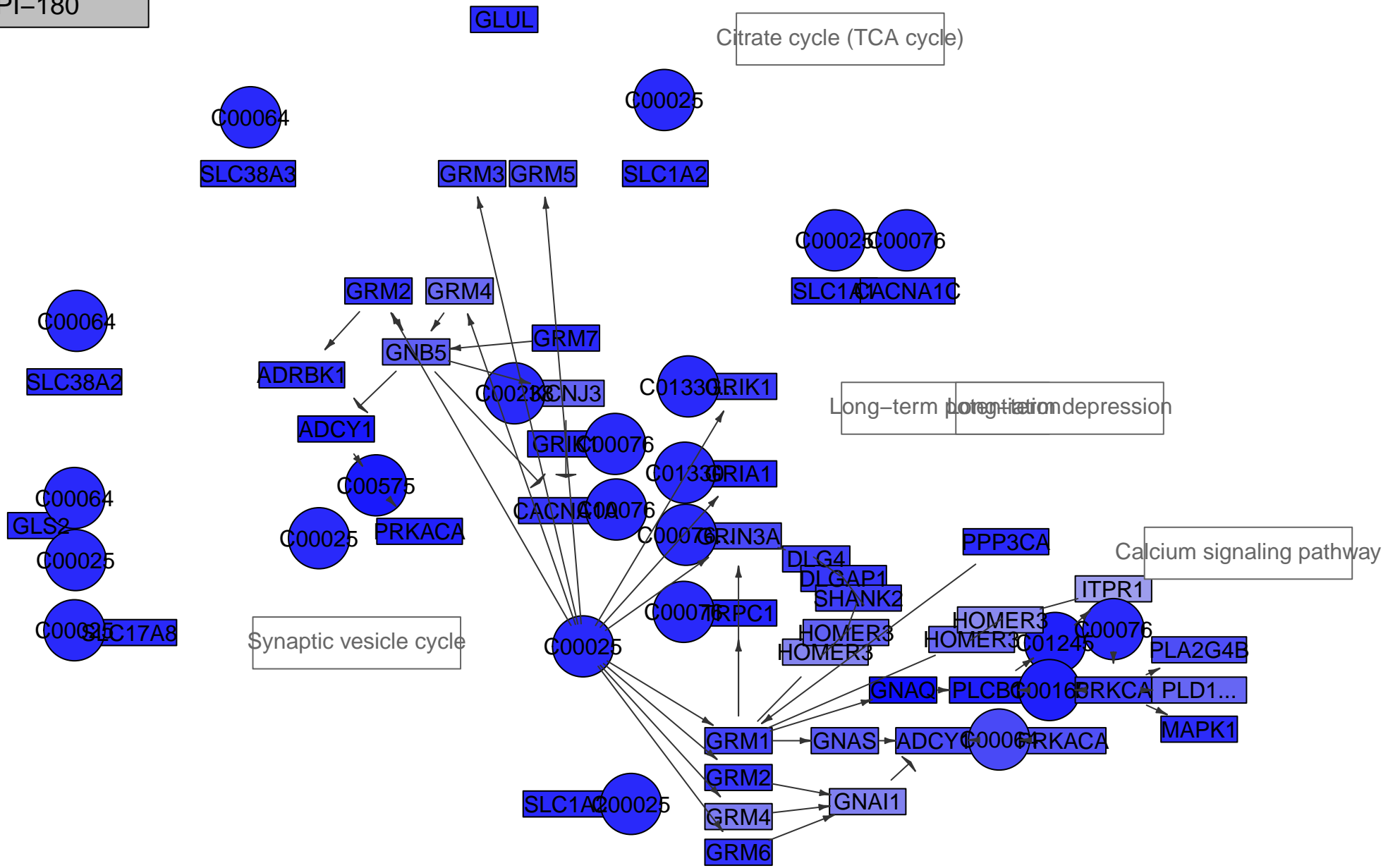
C00025
SLC1A2 C00025

DLG4
DLGAP1
SHANK2
HOMER3
HOMER3
PPP3CA
ITPR1
C00076
PLA2G4B
GNAQ
PLCB1 C00165
PRKACA
PLD1...
MAPK1

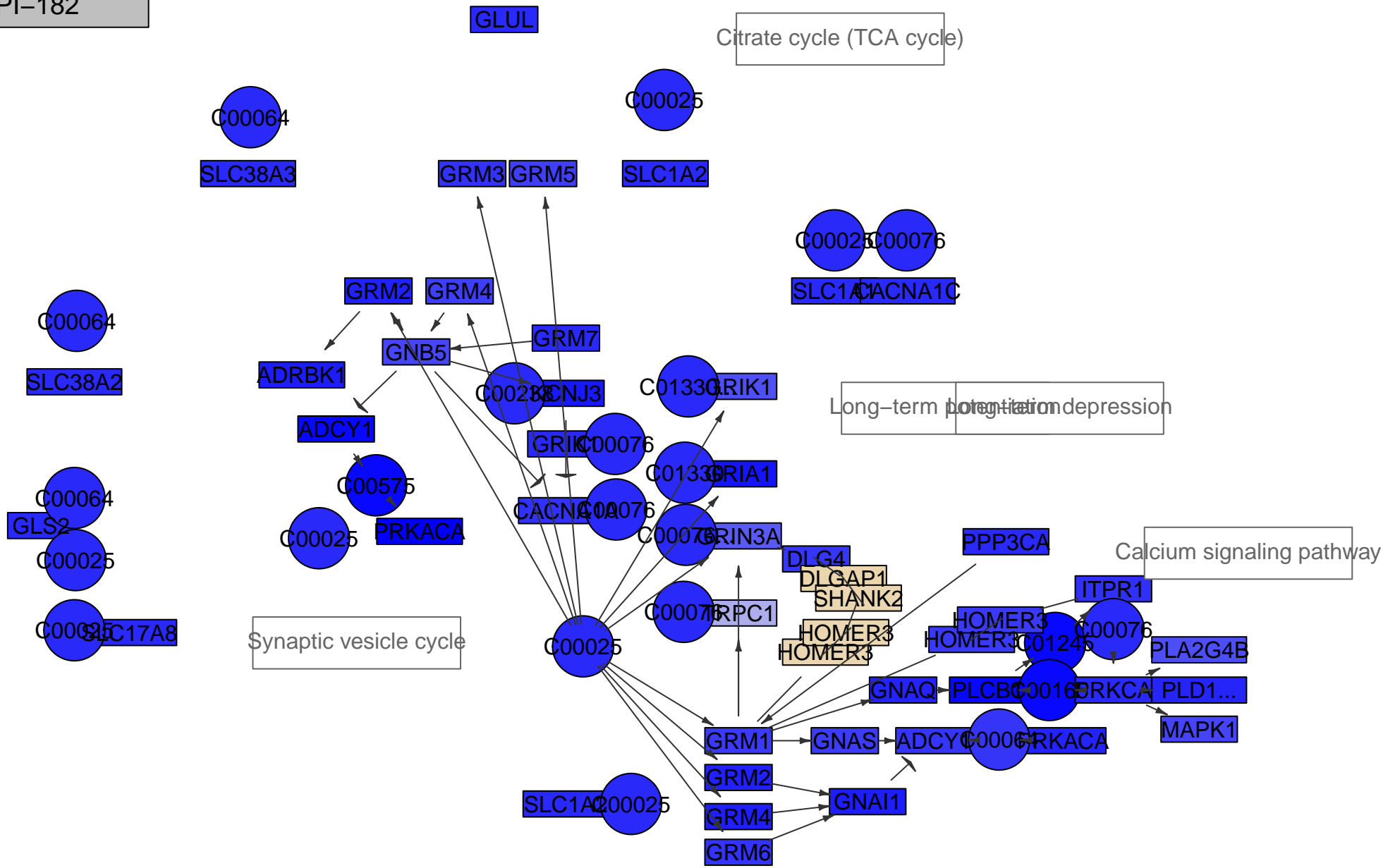
Calcium signaling pathway

C00076
RPC1
GRM1
GNAS
ADCY1 C00064
PRKACA
GRM2
GRM4
GNAI1
GRM6

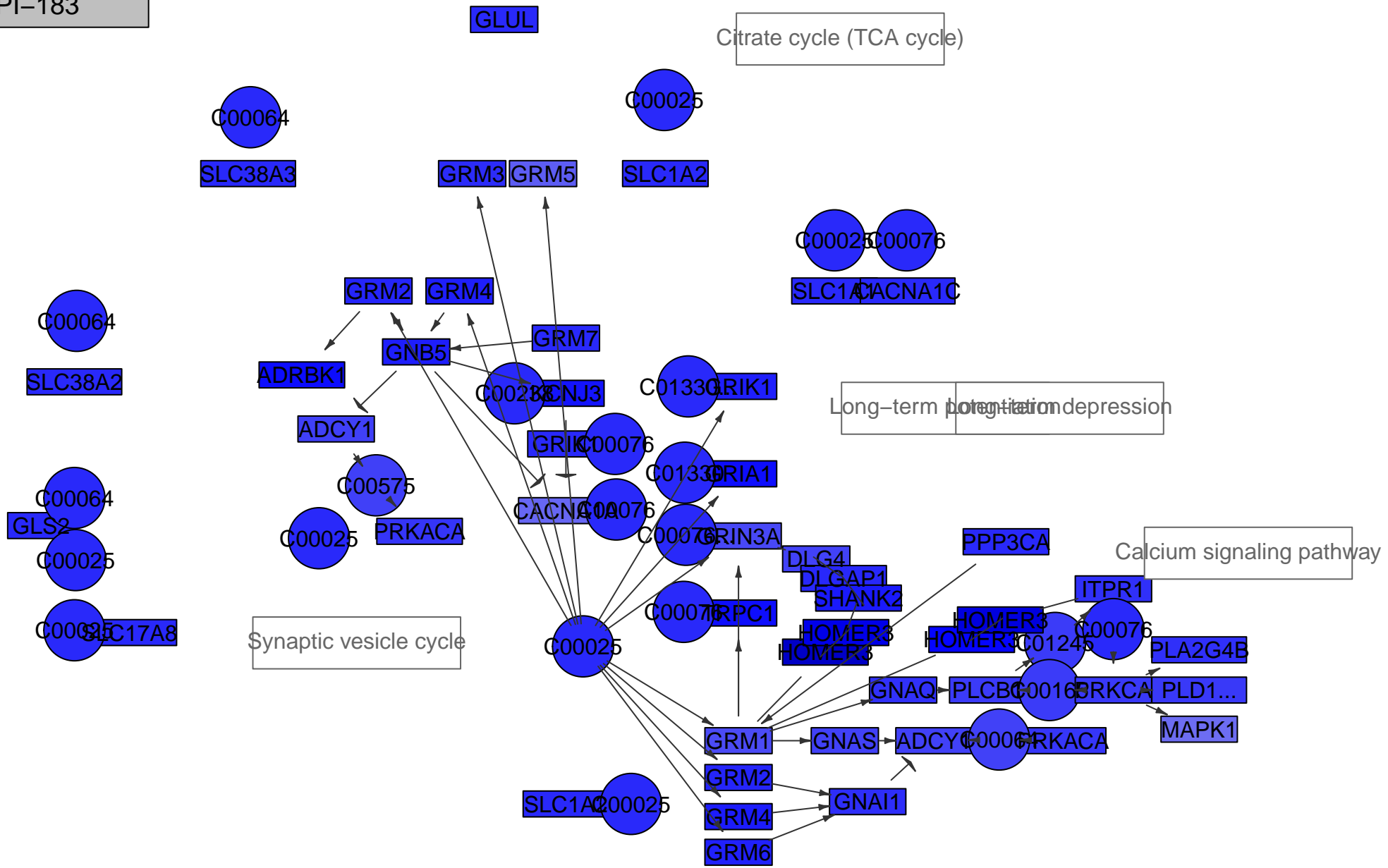
Glutamatergic synapse
MPI-180



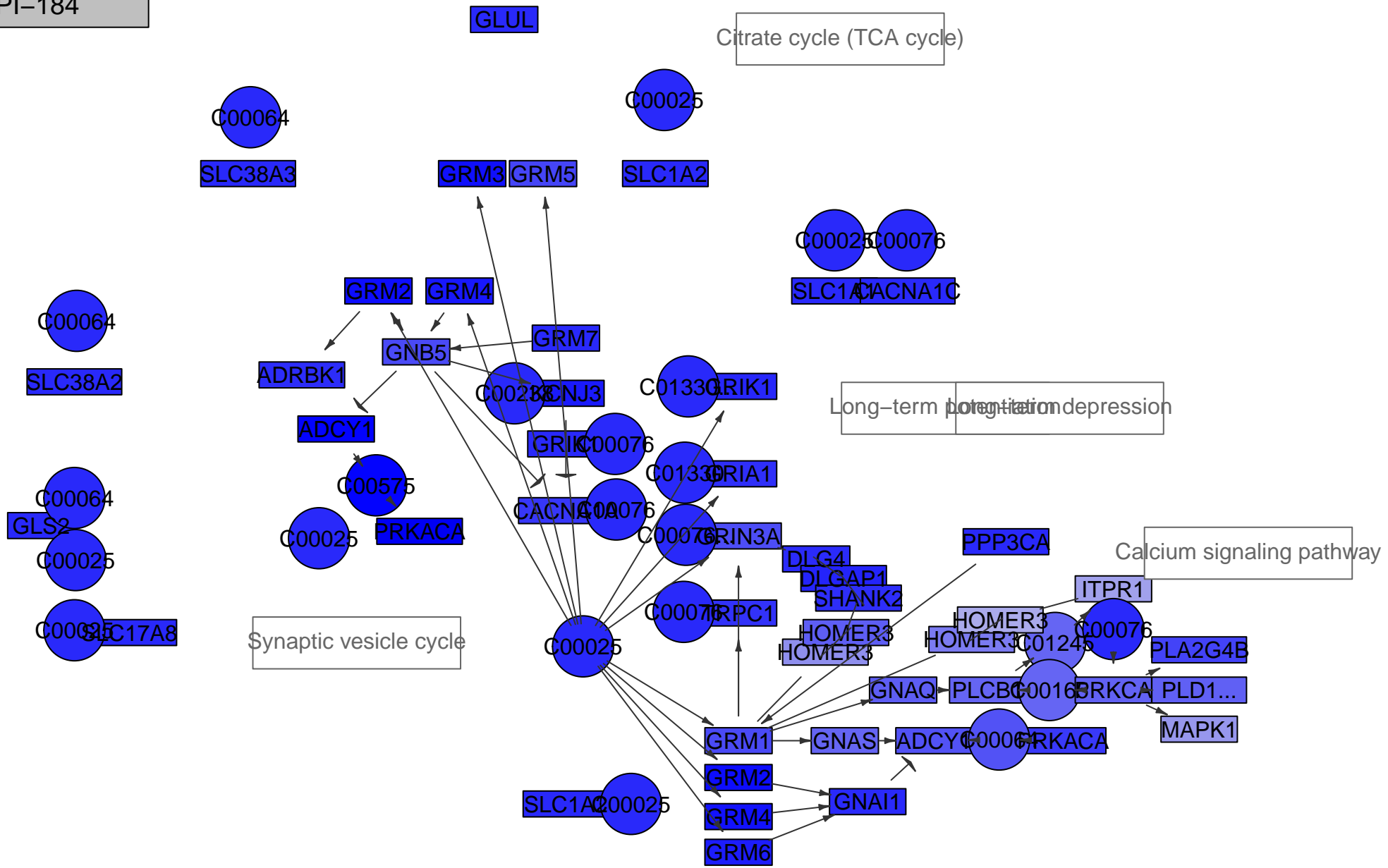
Glutamatergic synapse
MPI-182



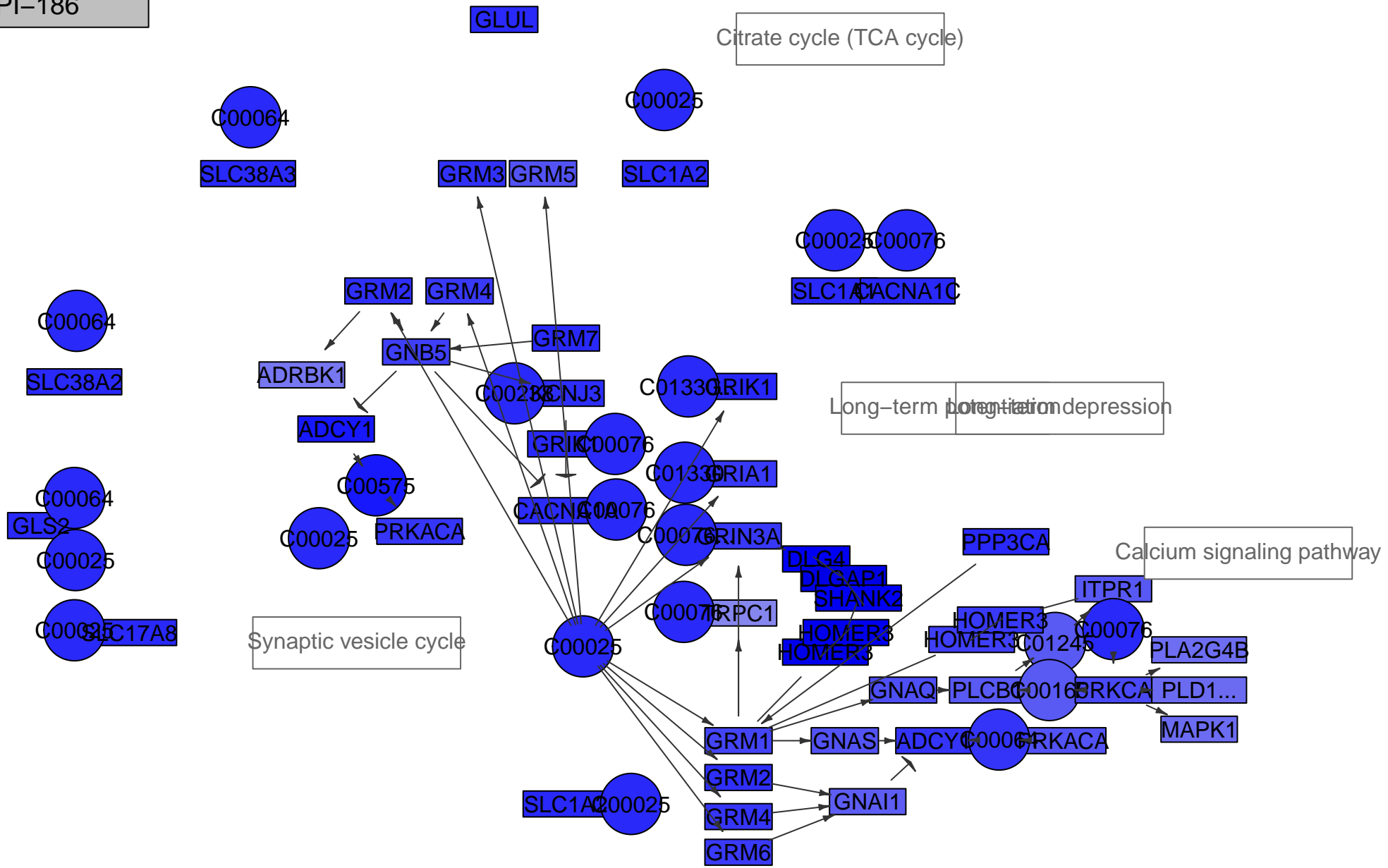
Glutamatergic synapse
MPI-183



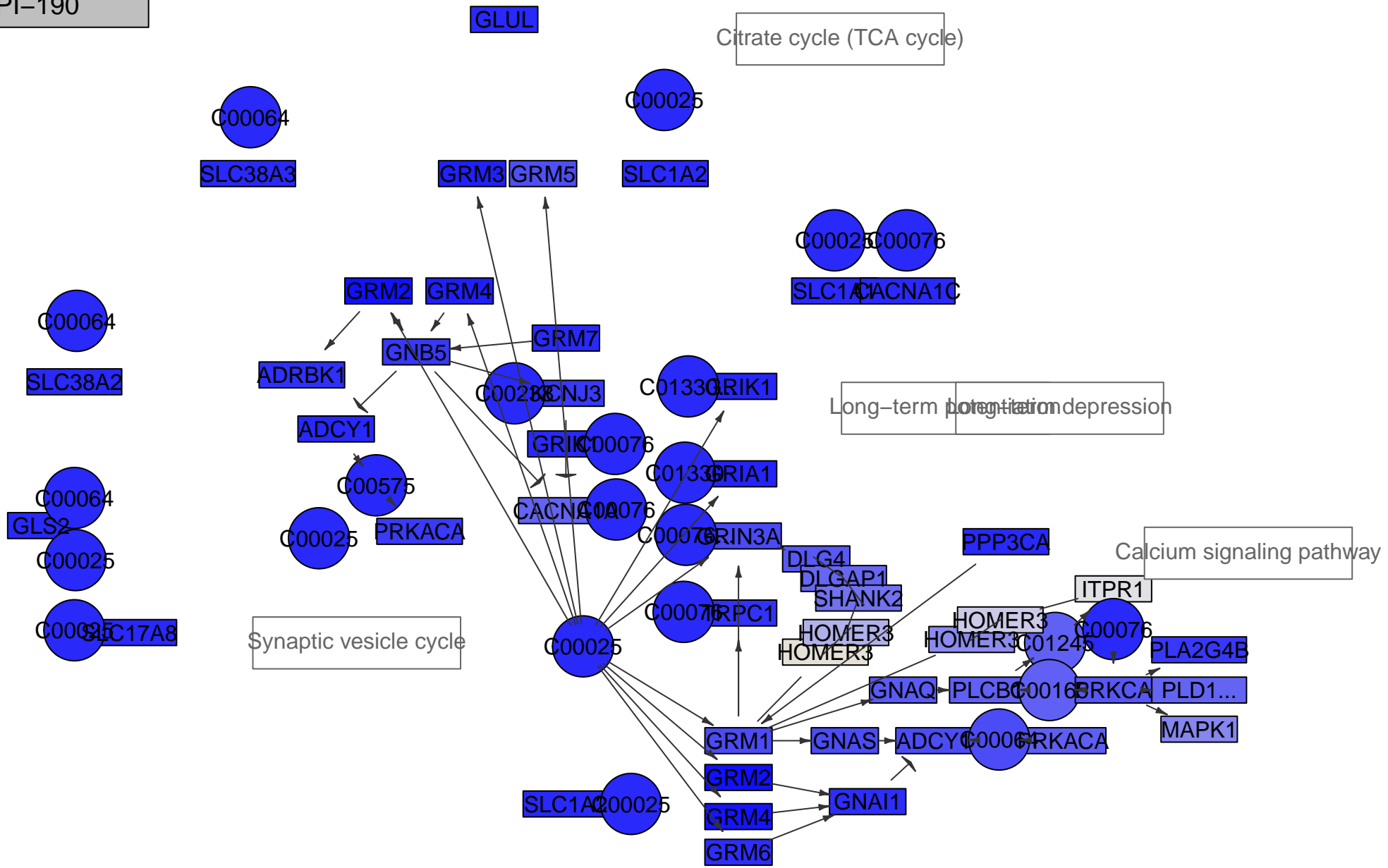
Glutamatergic synapse
MPI-184



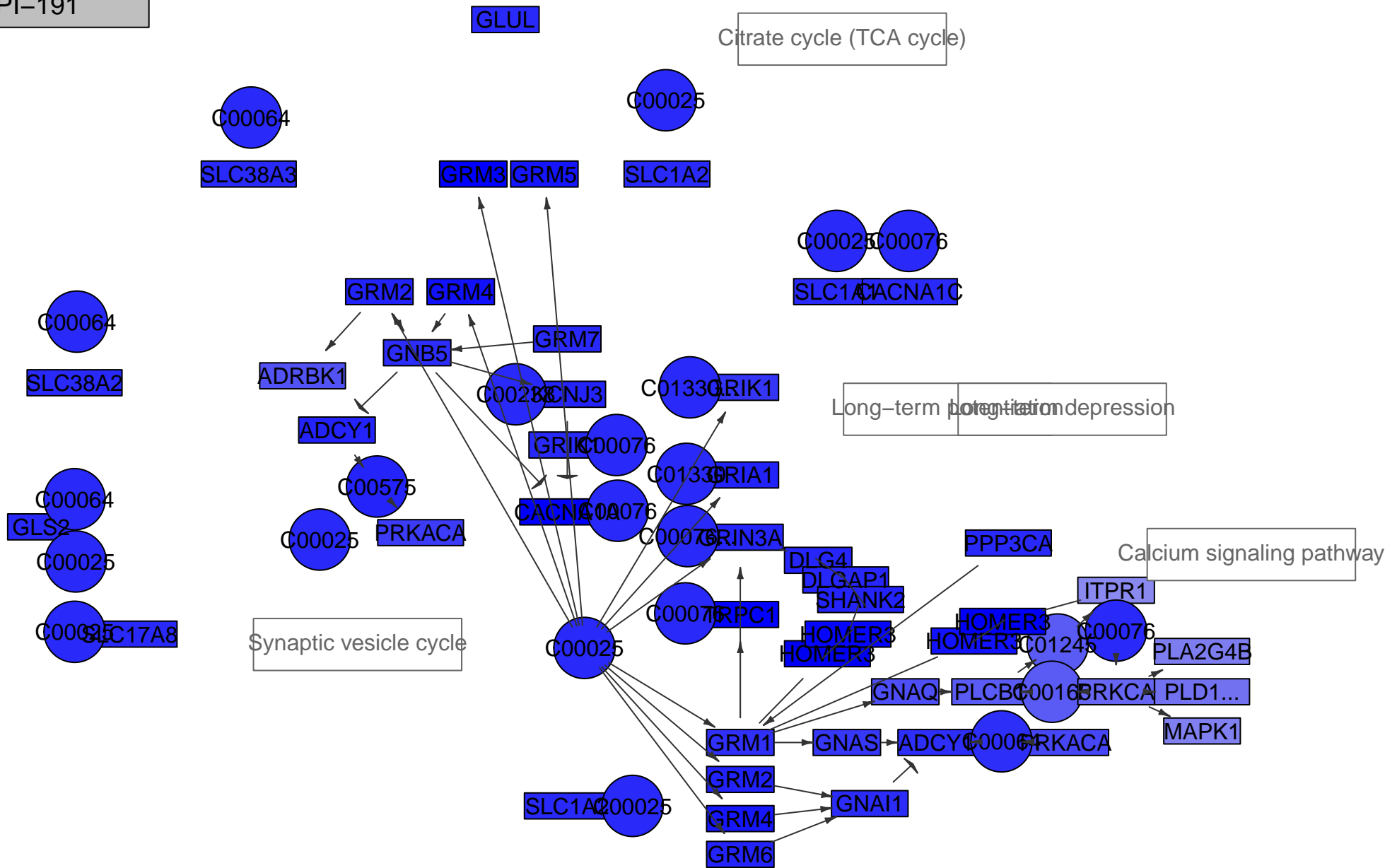
Glutamatergic synapse
MPI-186



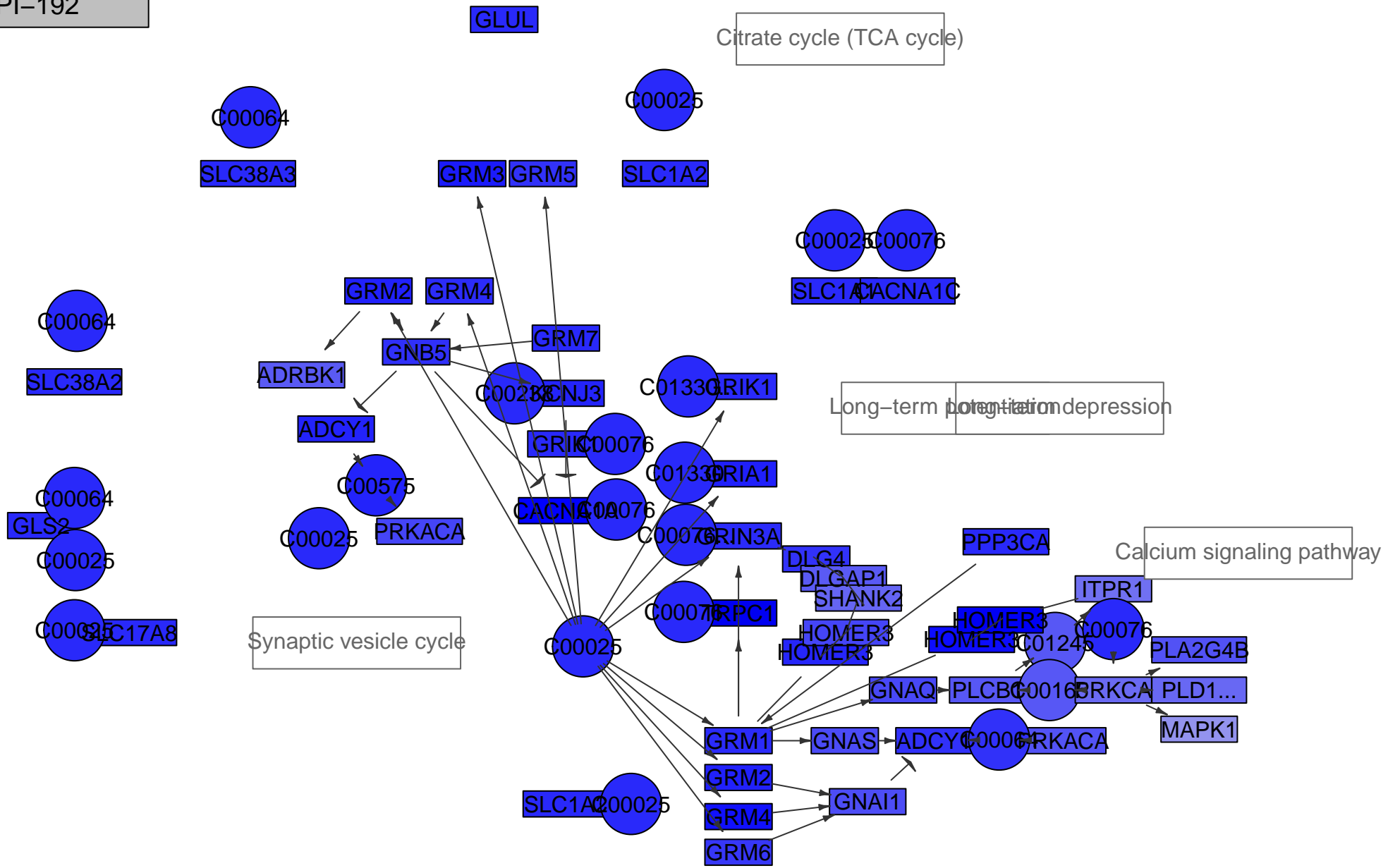
Glutamatergic synapse
MPI-190



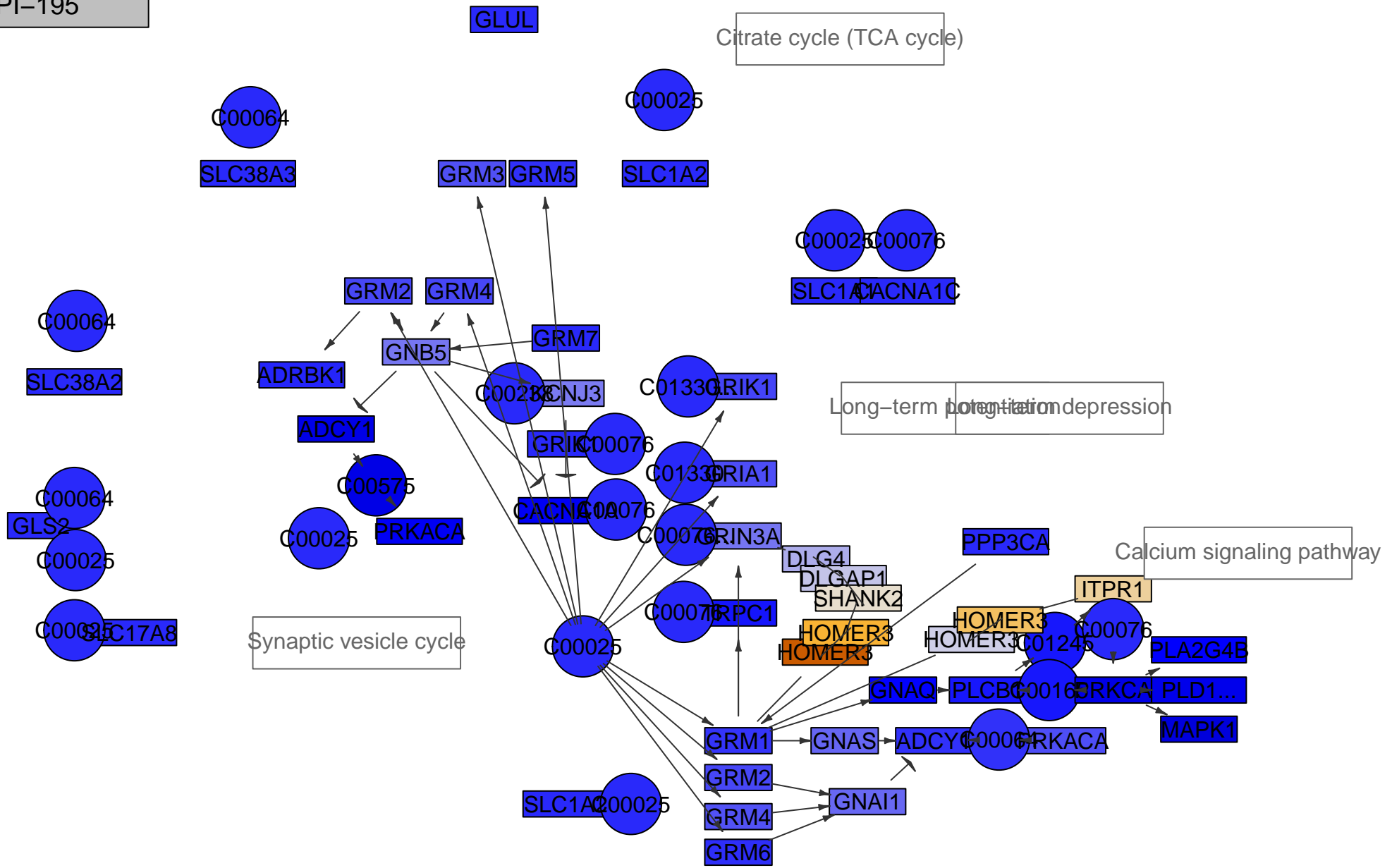
Glutamatergic synapse
MPI-191



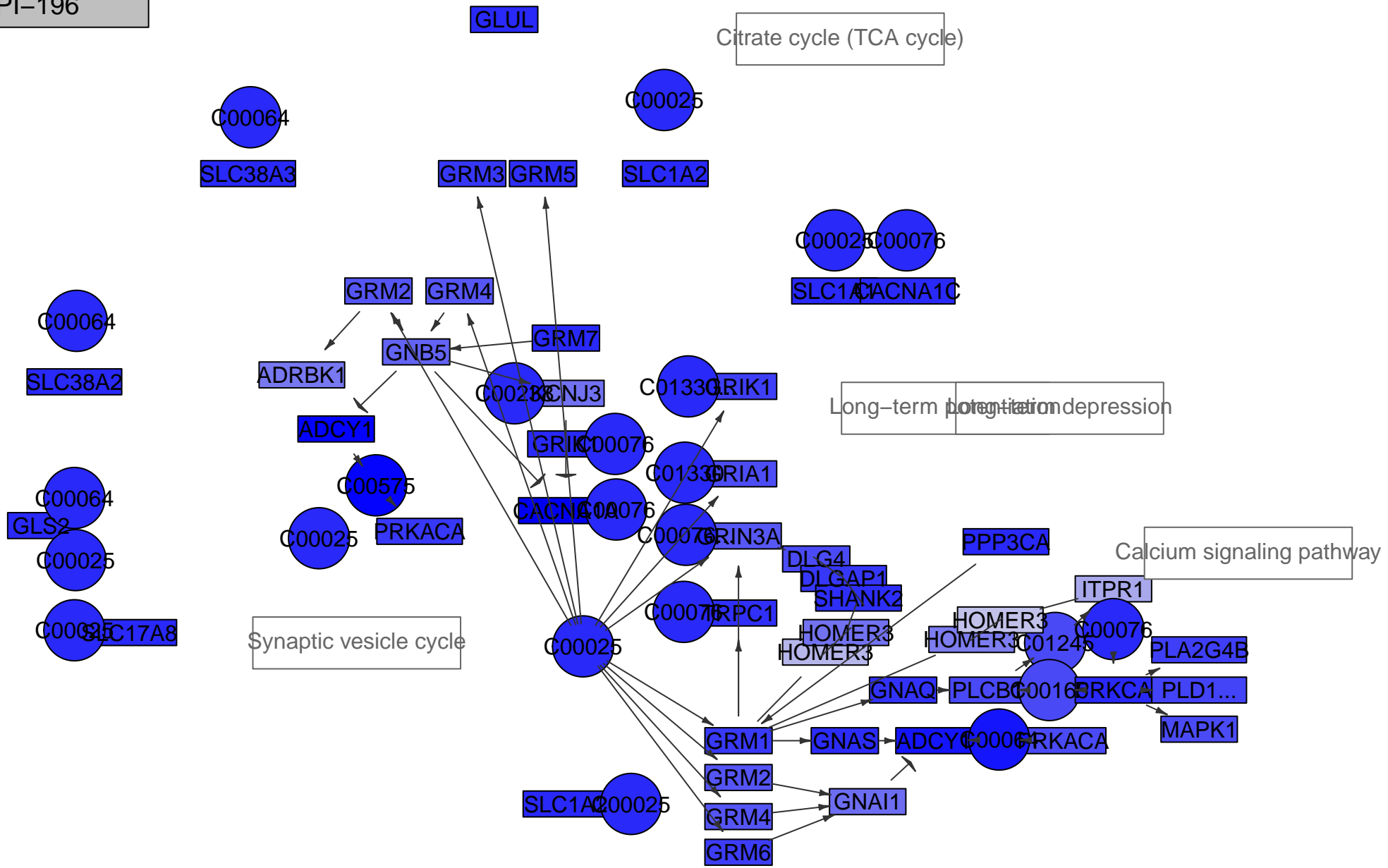
Glutamatergic synapse
MPI-192



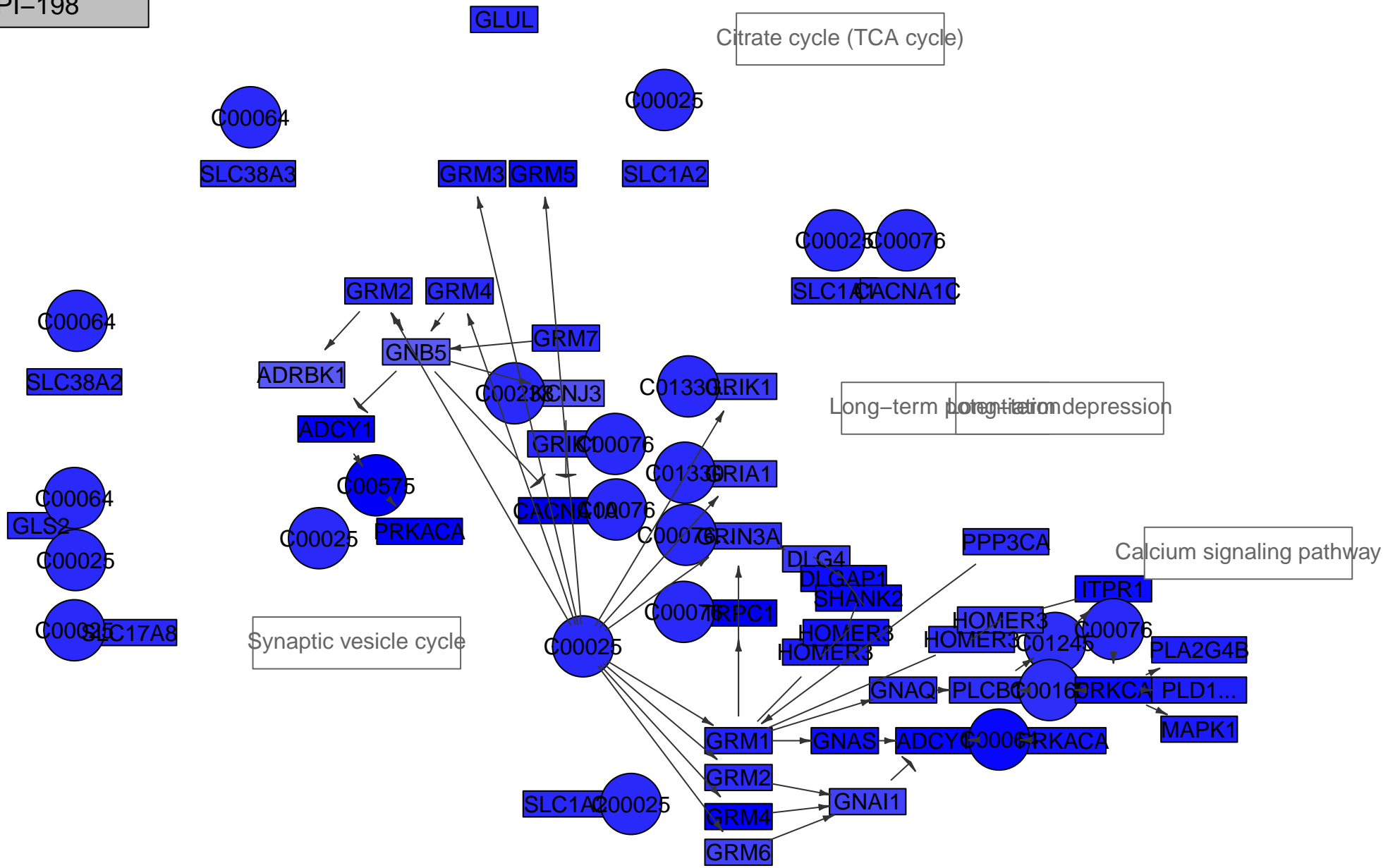
Glutamatergic synapse
MPI-195



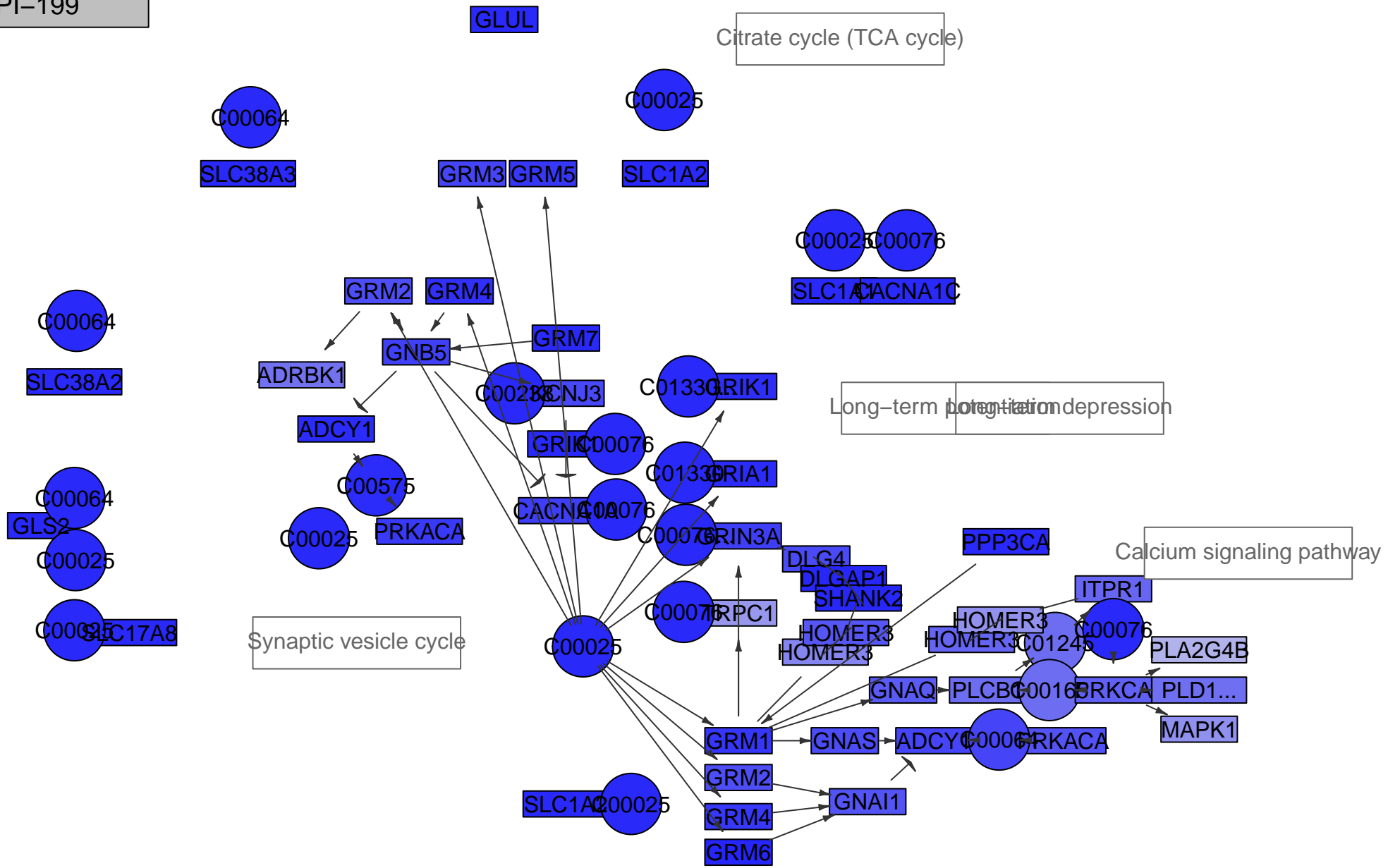
Glutamatergic synapse
MPI-196



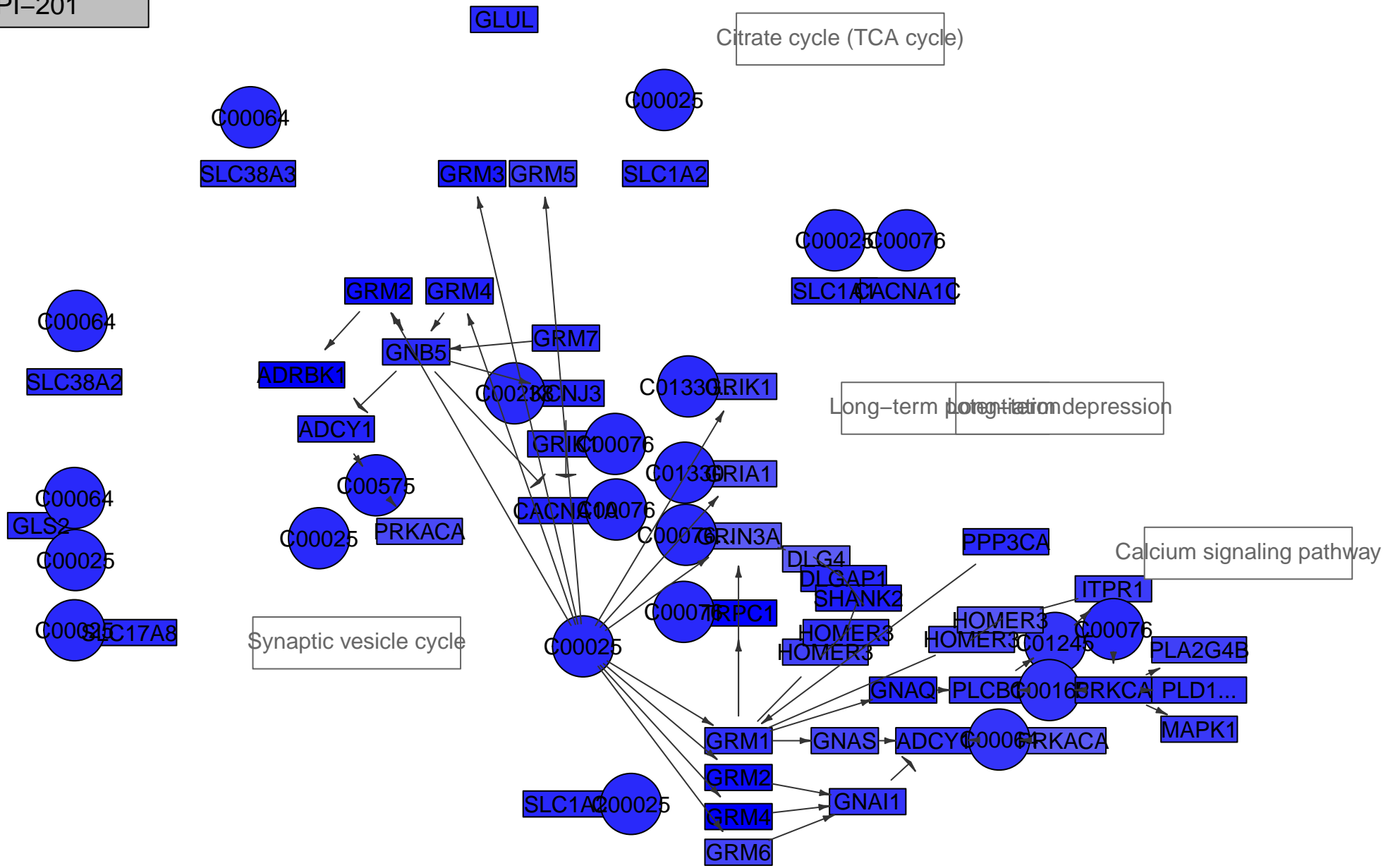
Glutamatergic synapse
MPI-198



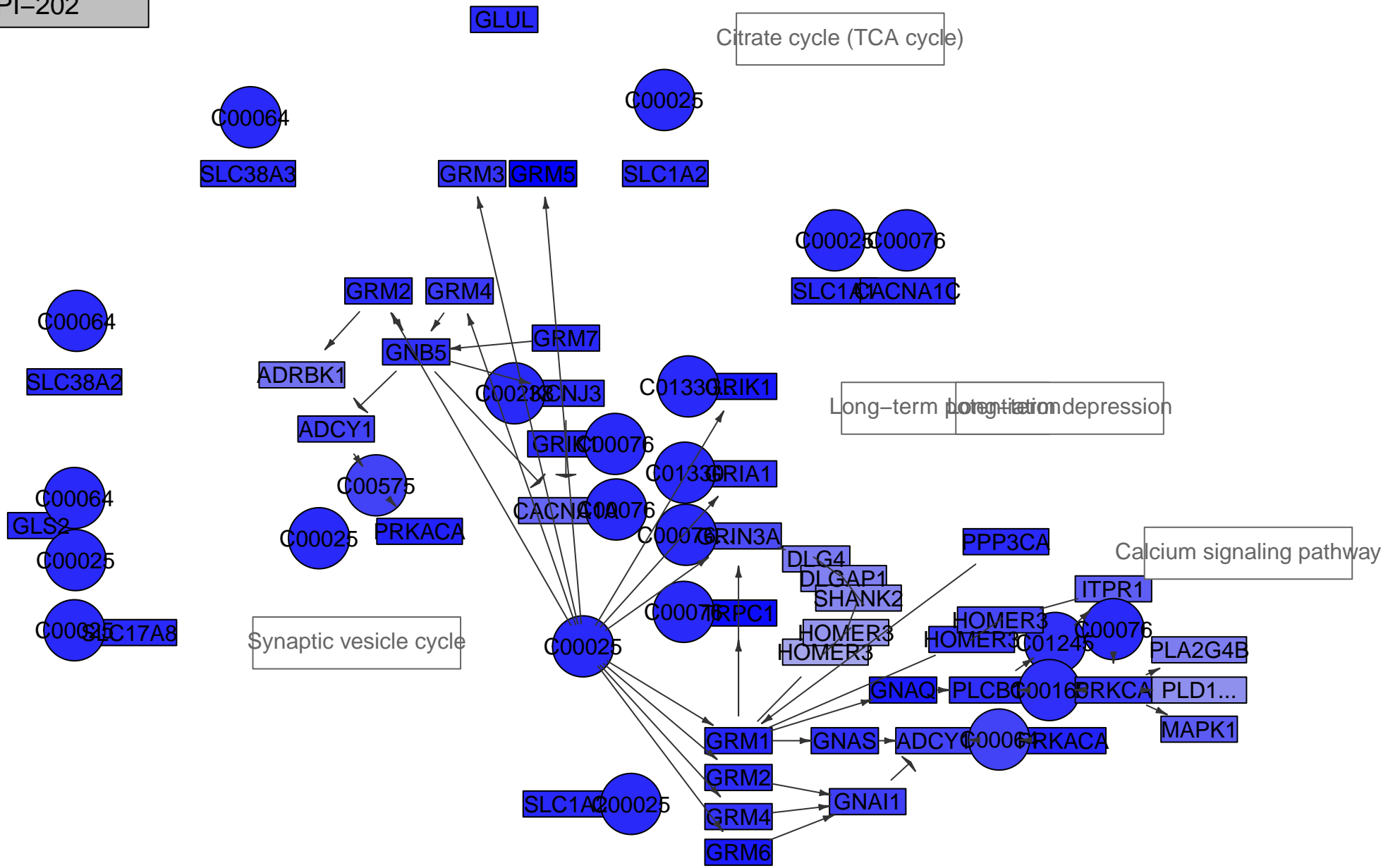
Glutamatergic synapse
MPI-199



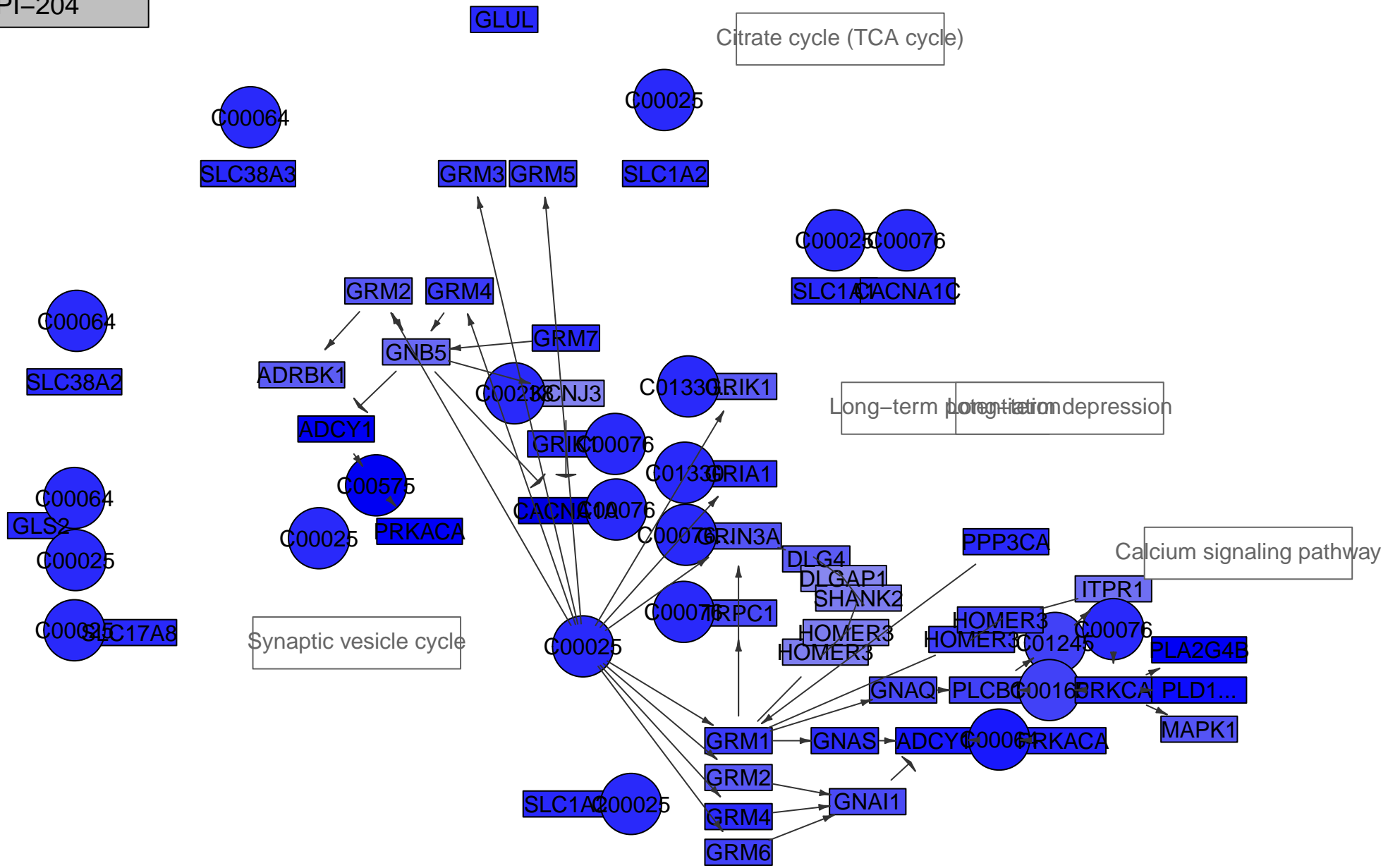
Glutamatergic synapse
MPI-201



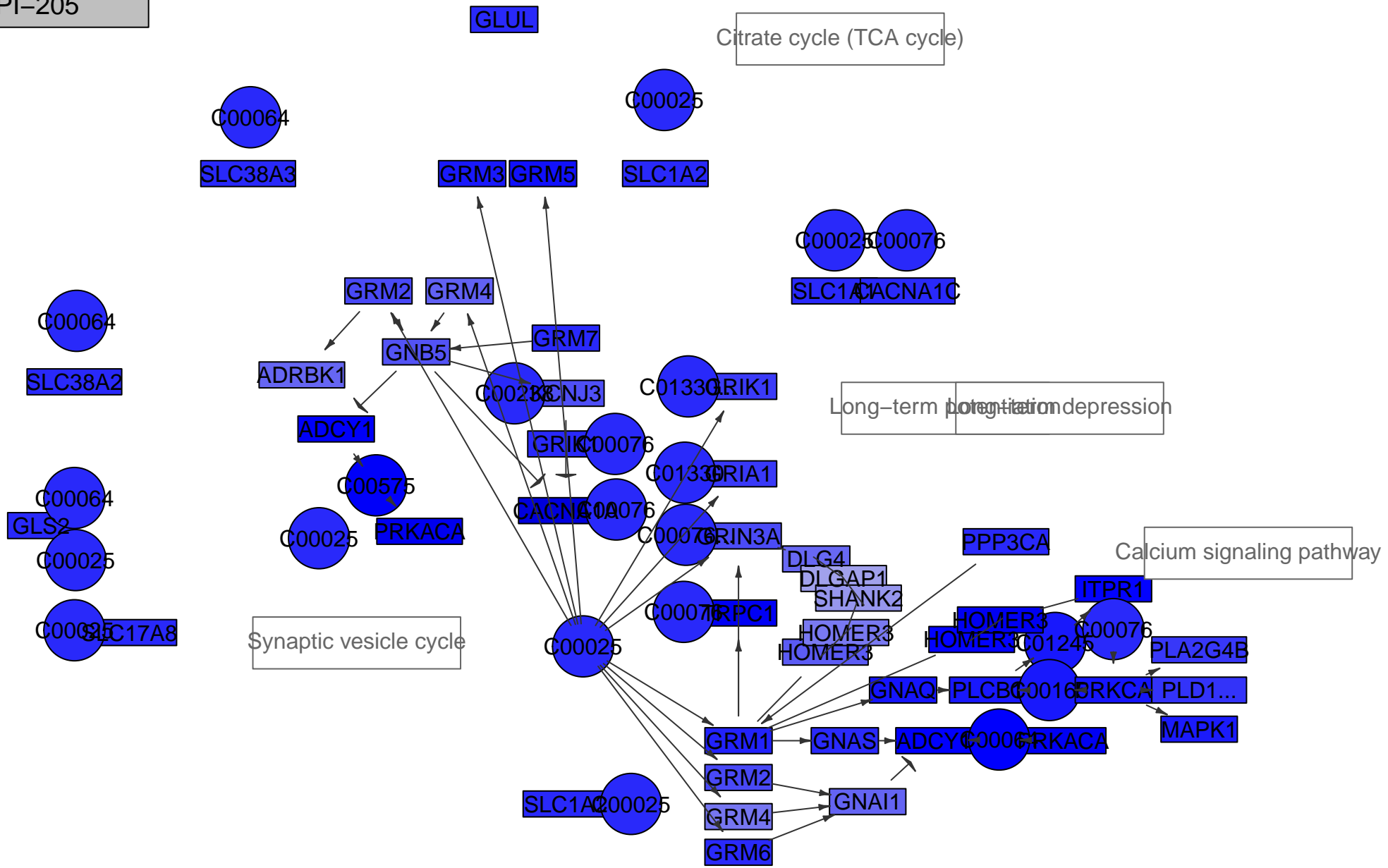
Glutamatergic synapse
MPI-202



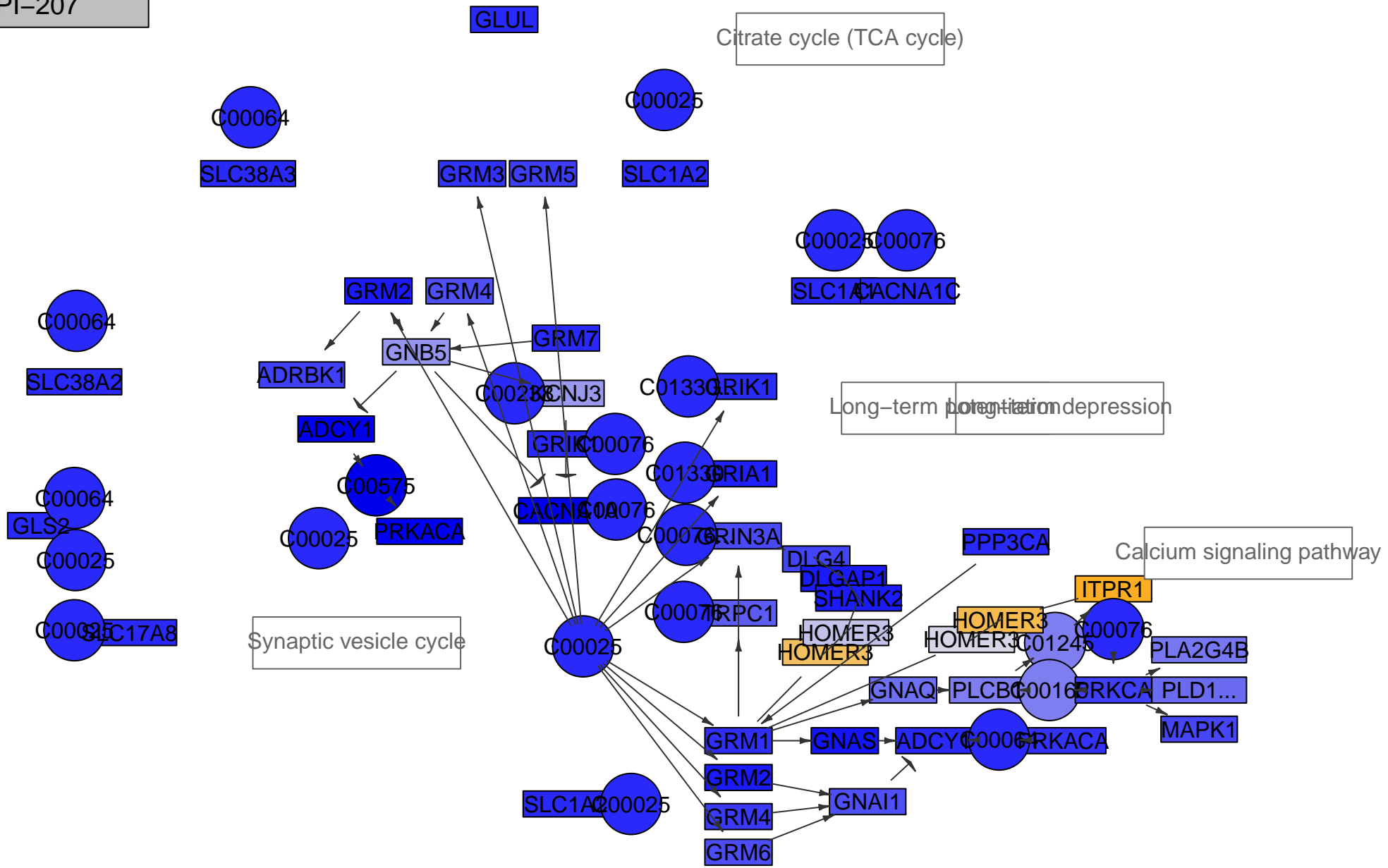
Glutamatergic synapse
MPI-204



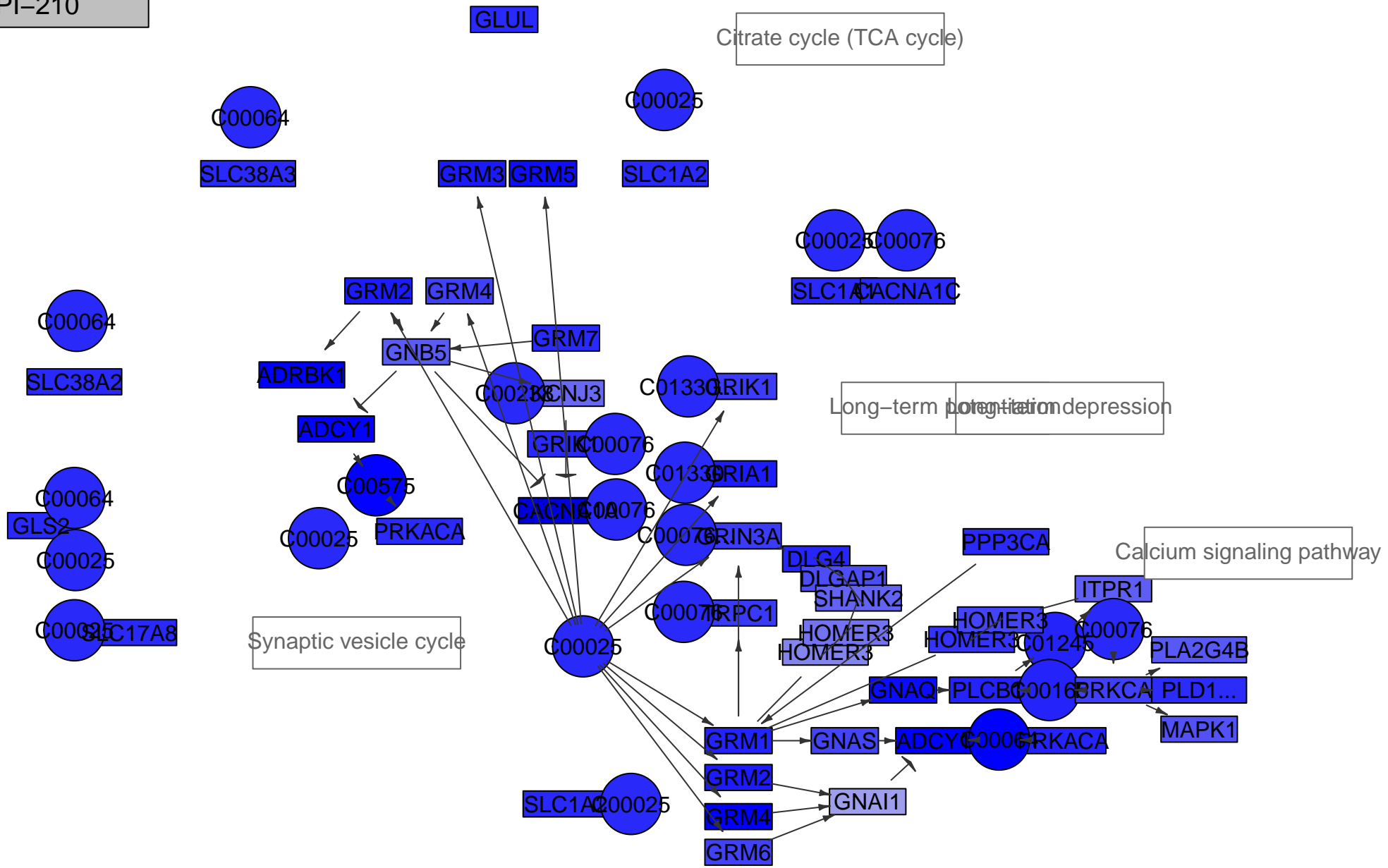
Glutamatergic synapse
MPI-205



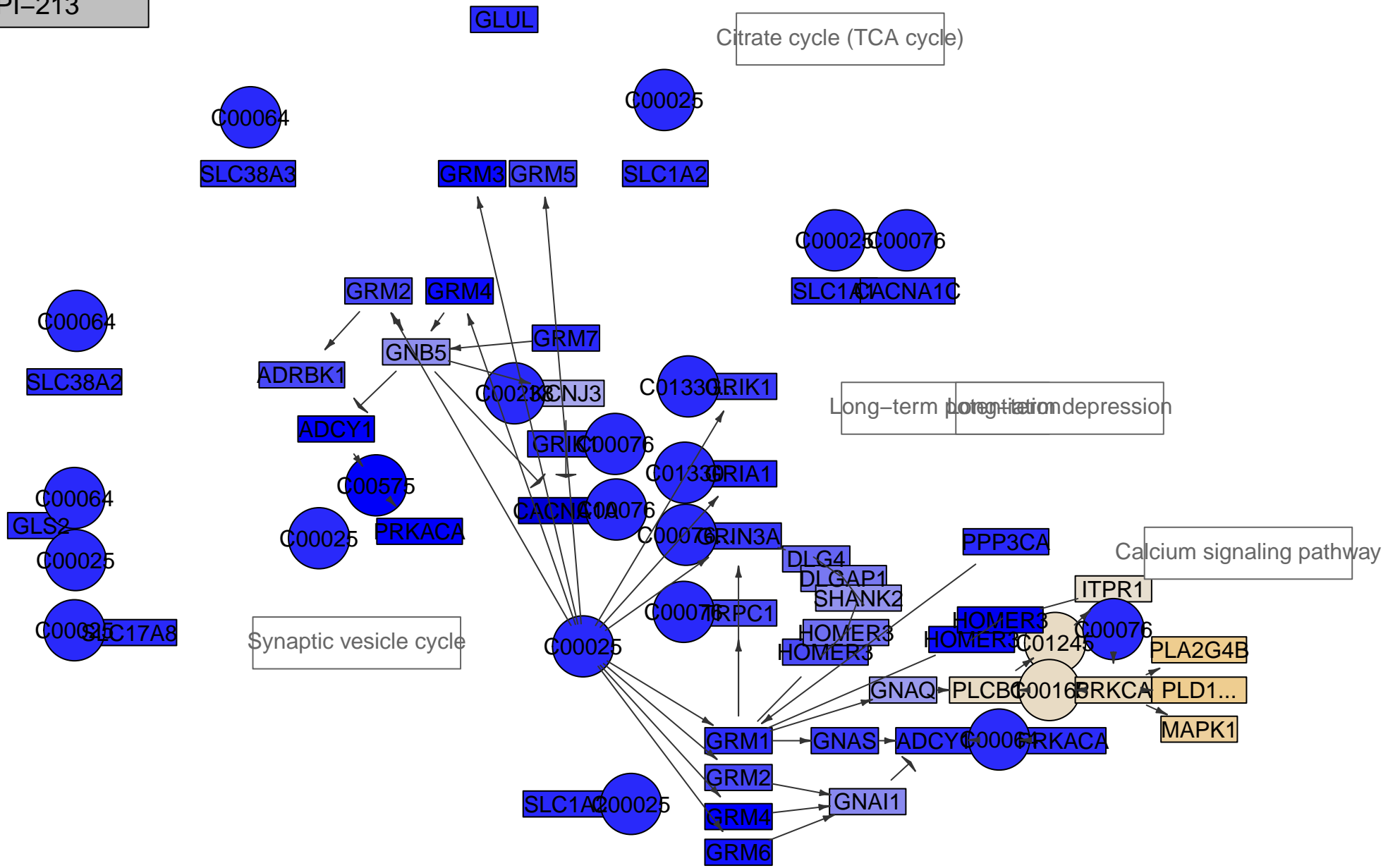
Glutamatergic synapse
MPI-207



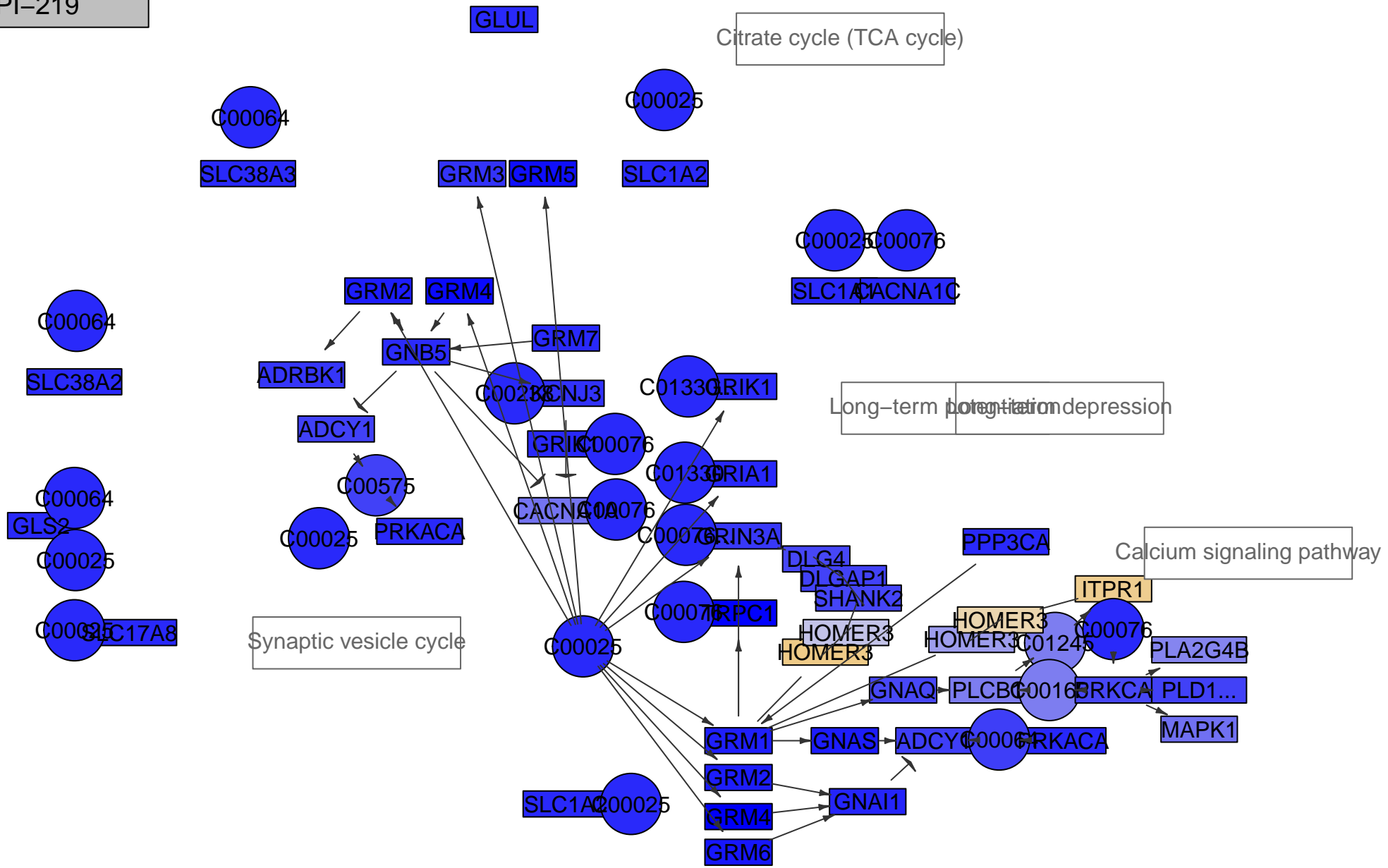
Glutamatergic synapse
MPI-210



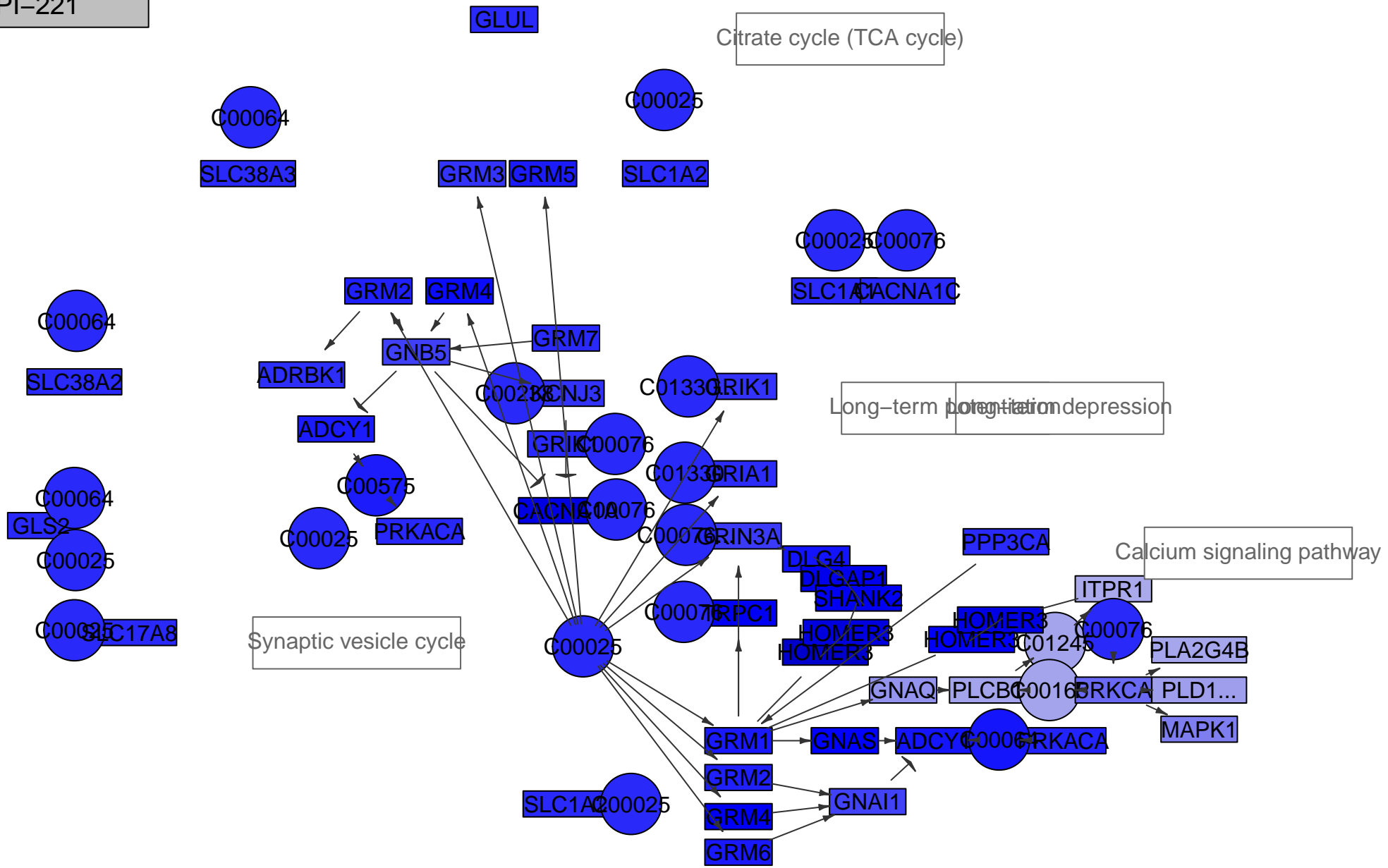
Glutamatergic synapse
MPI-213



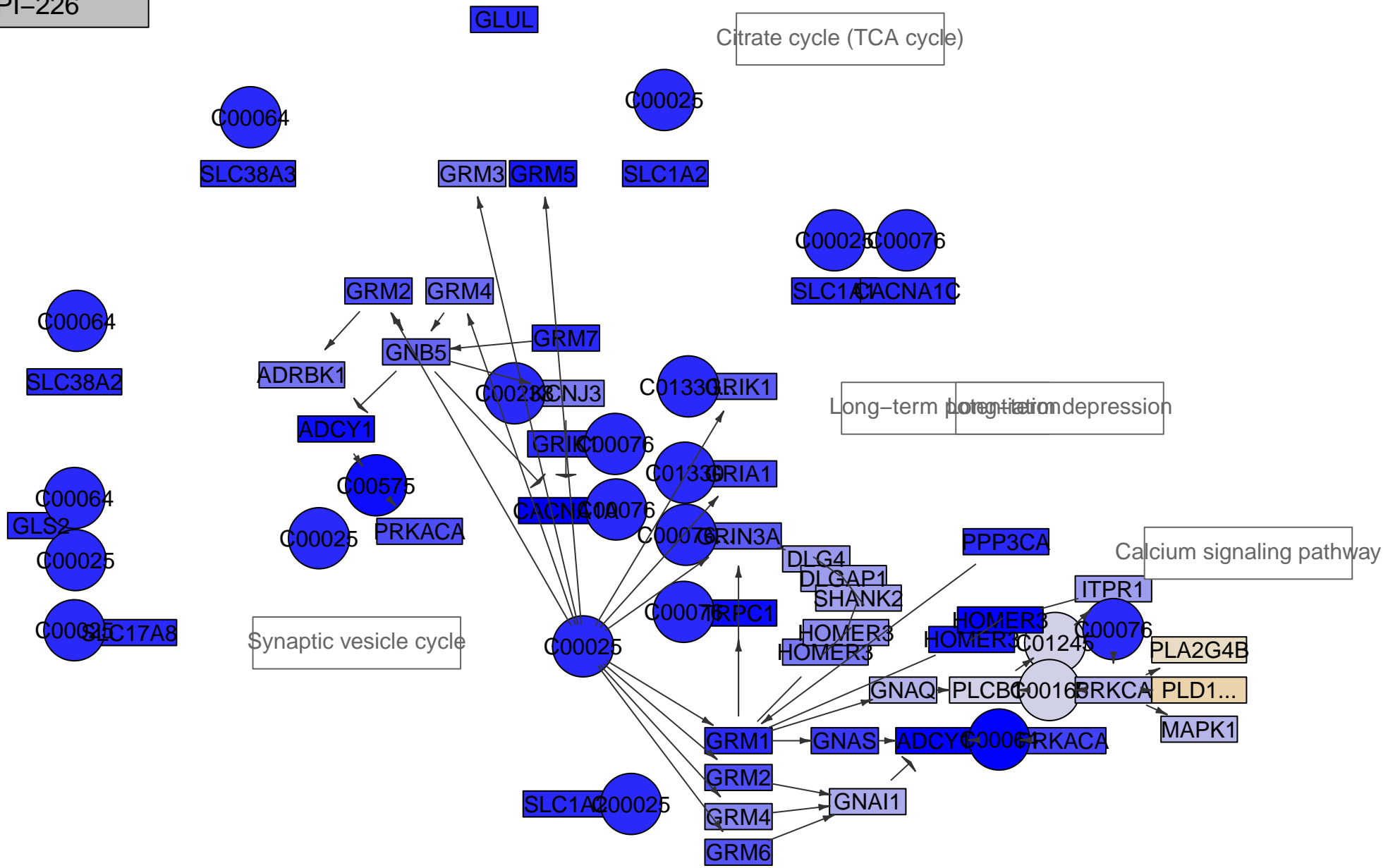
Glutamatergic synapse
MPI-219



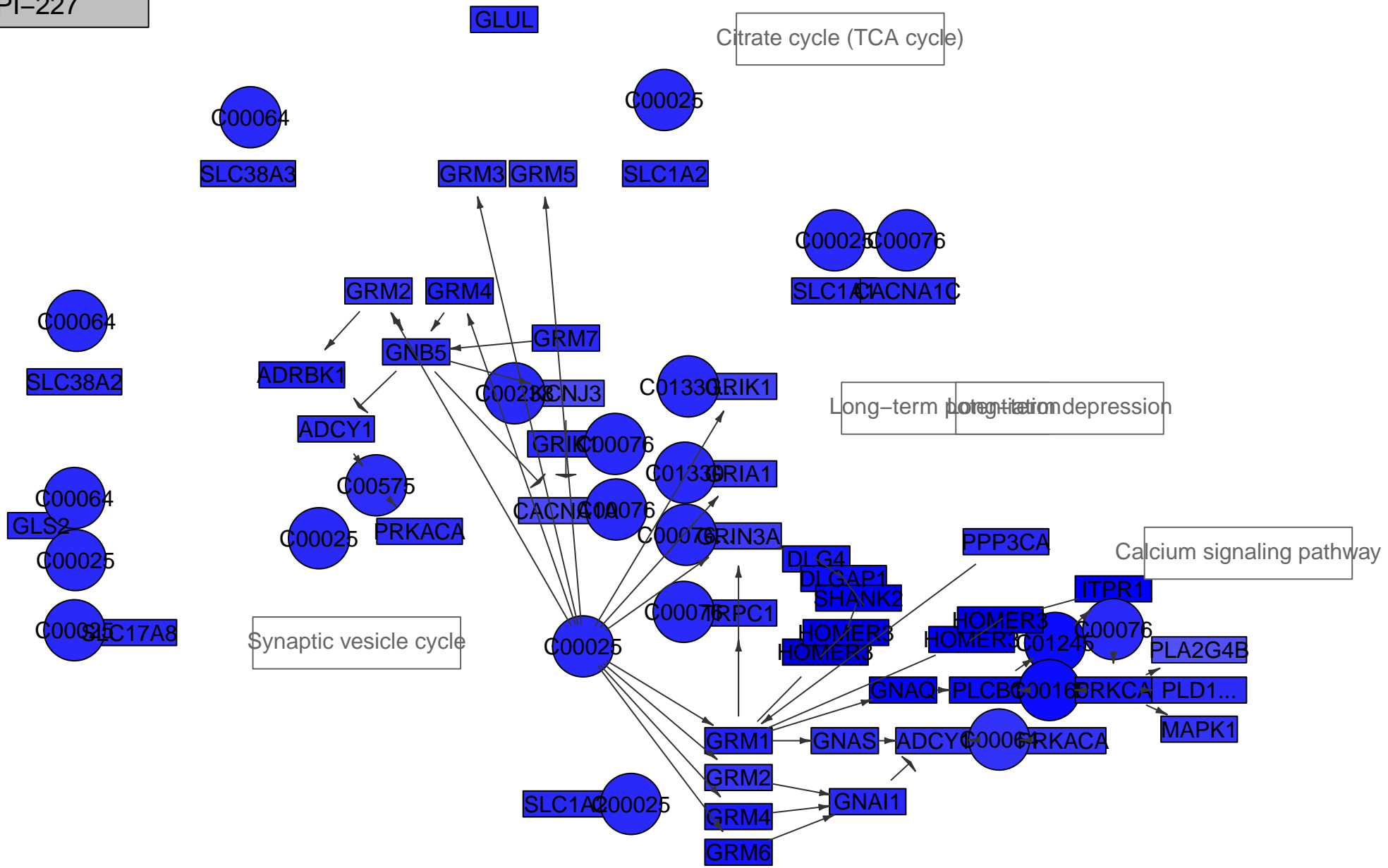
Glutamatergic synapse
MPI-221



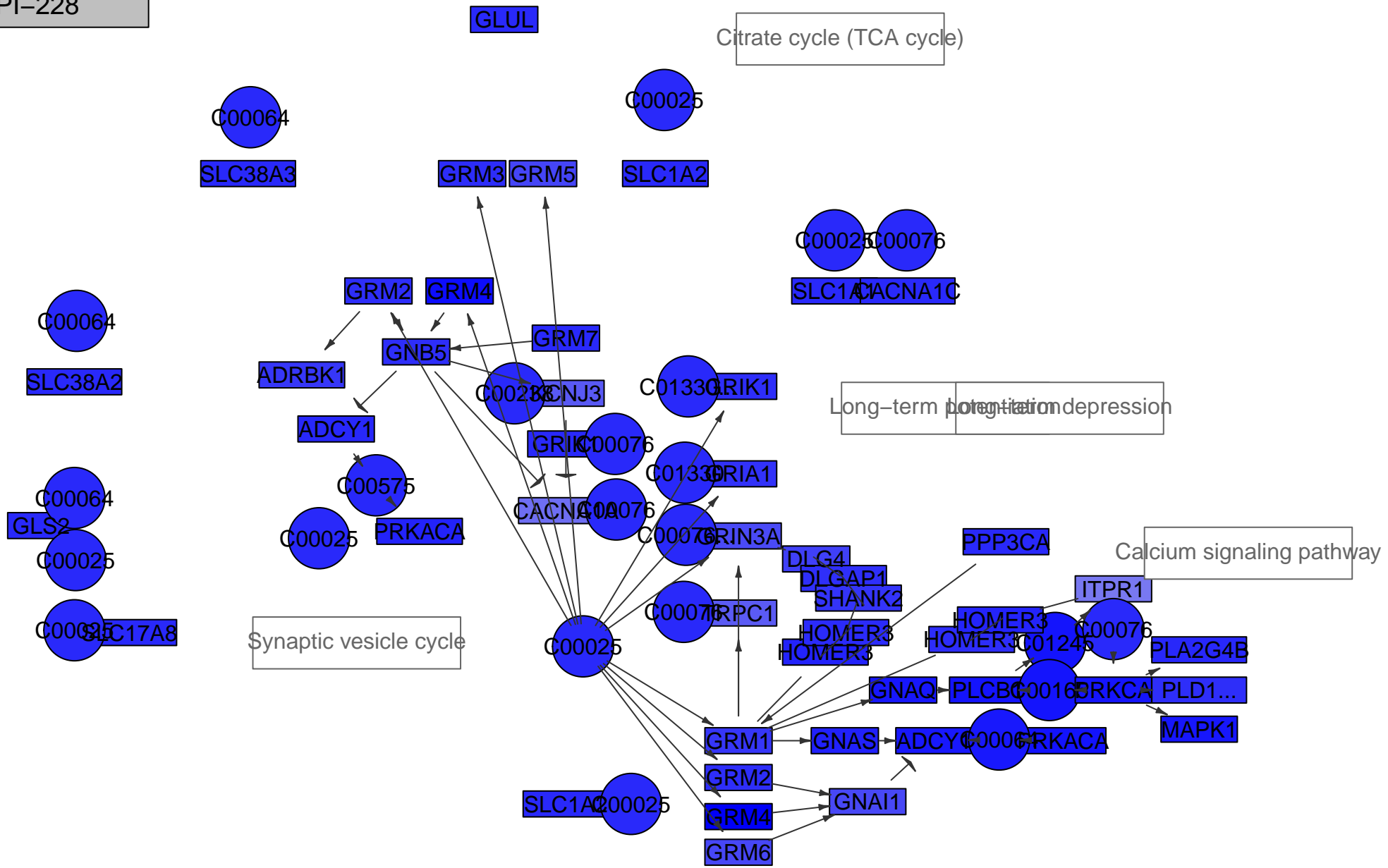
Glutamatergic synapse
MPI-226



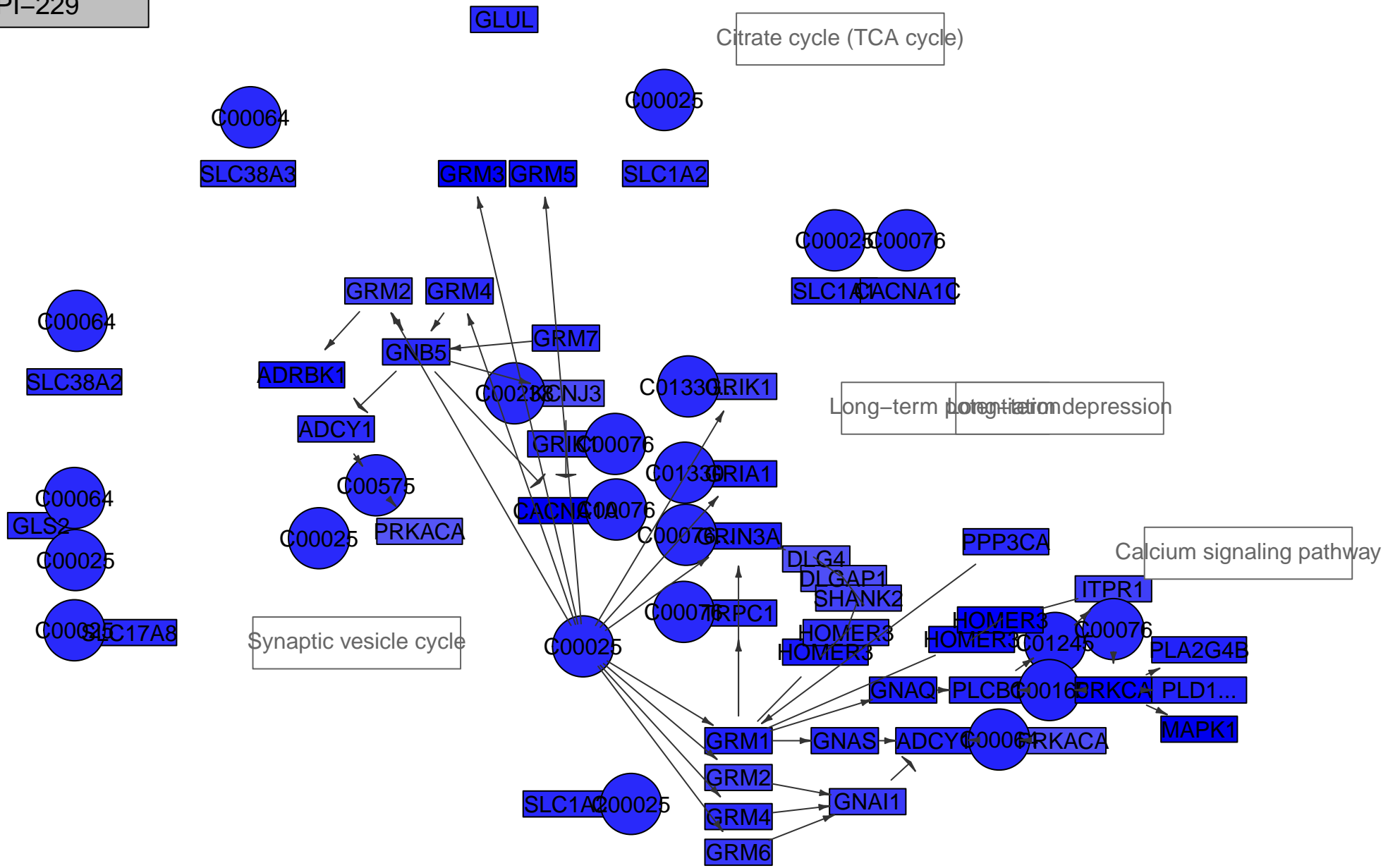
Glutamatergic synapse
MPI-227



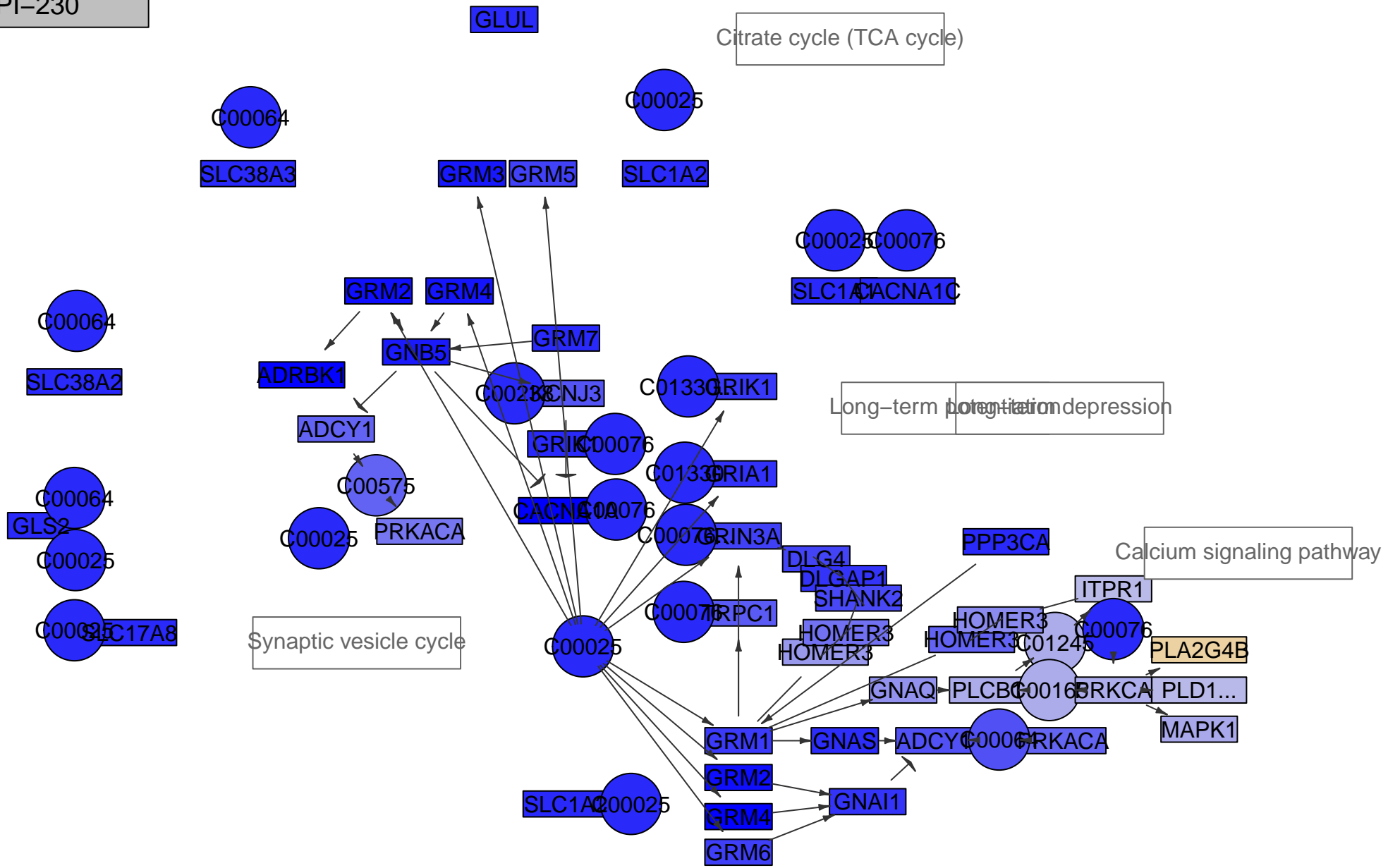
Glutamatergic synapse
MPI-228



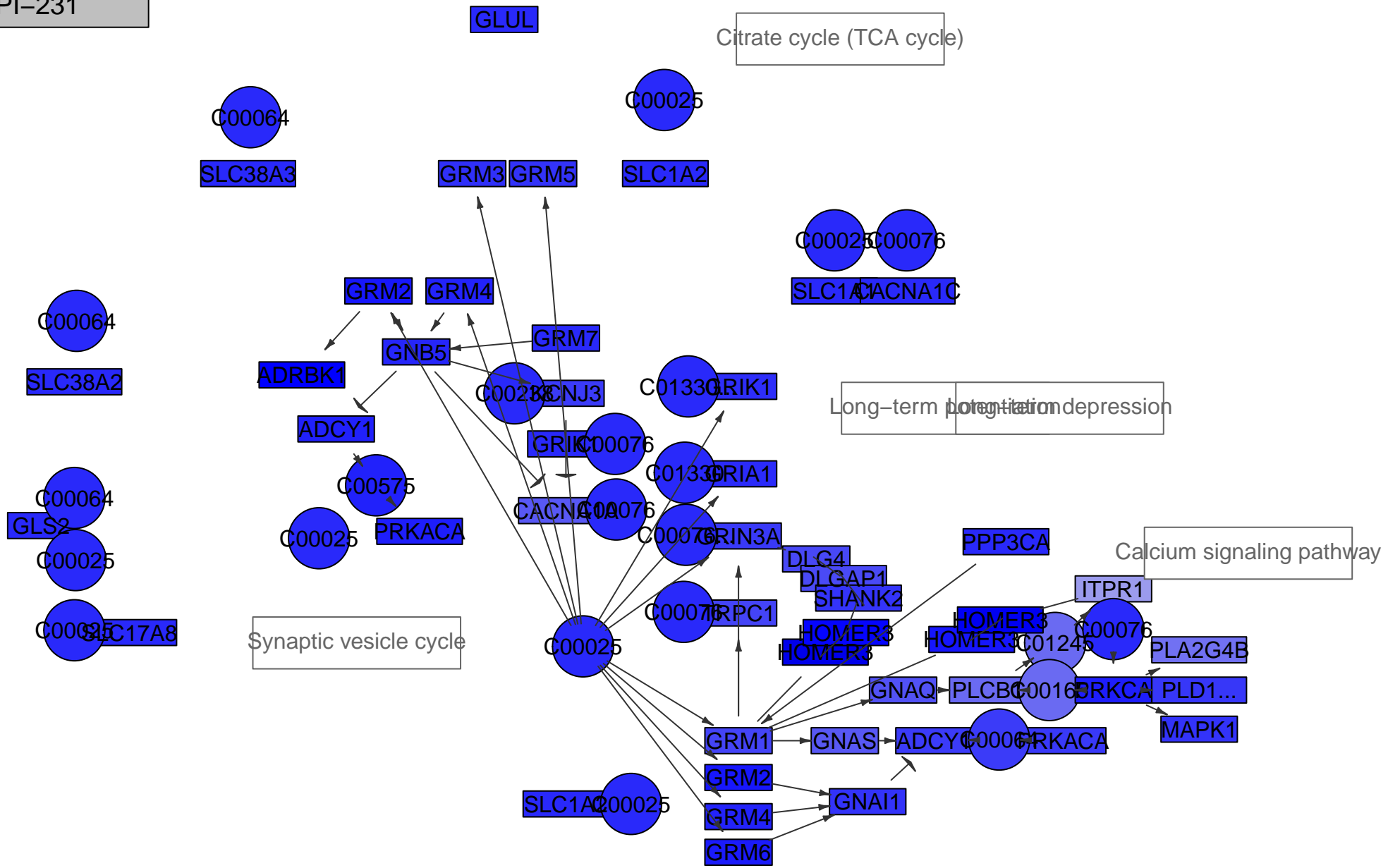
Glutamatergic synapse
MPI-229



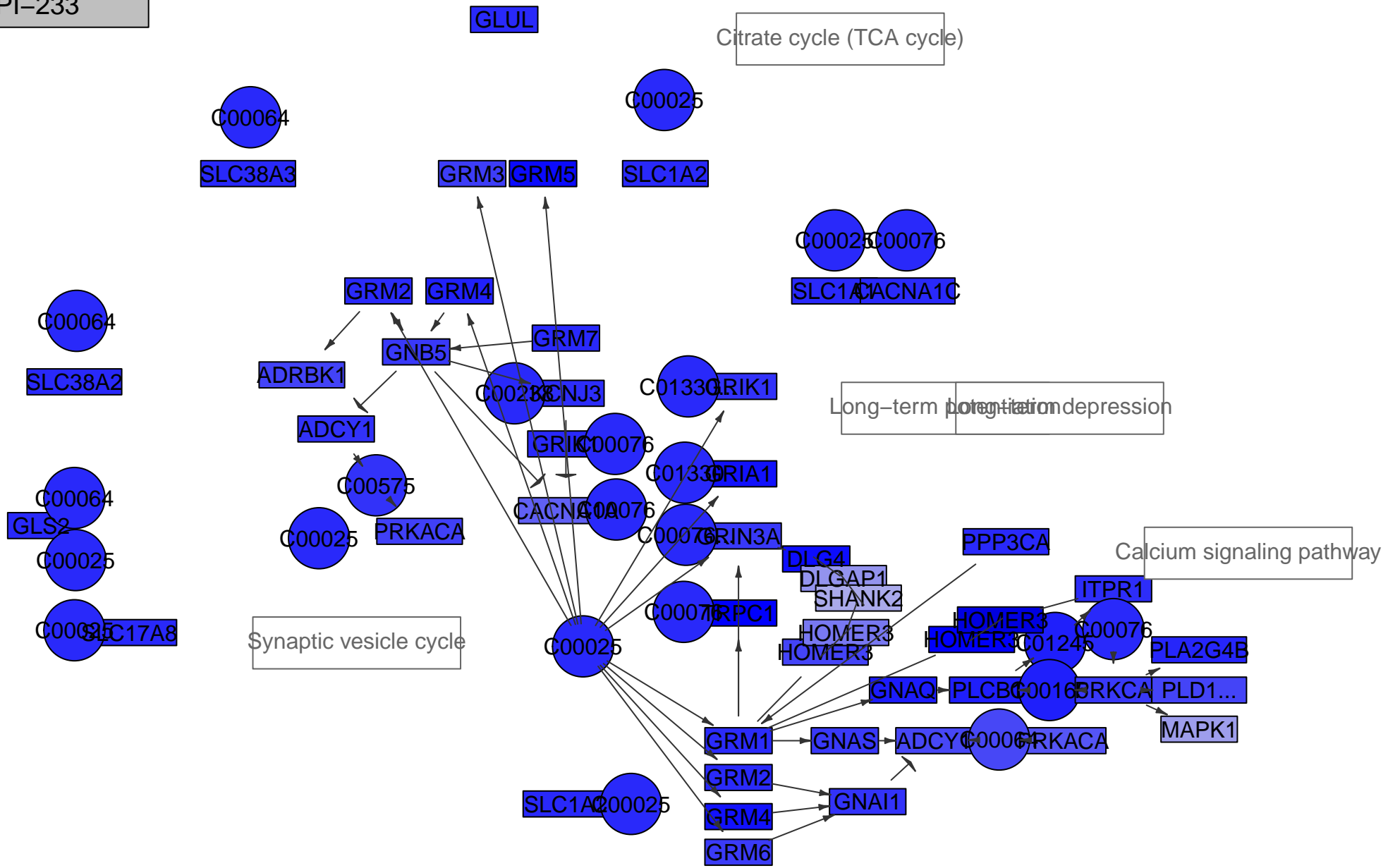
Glutamatergic synapse
MPI-230



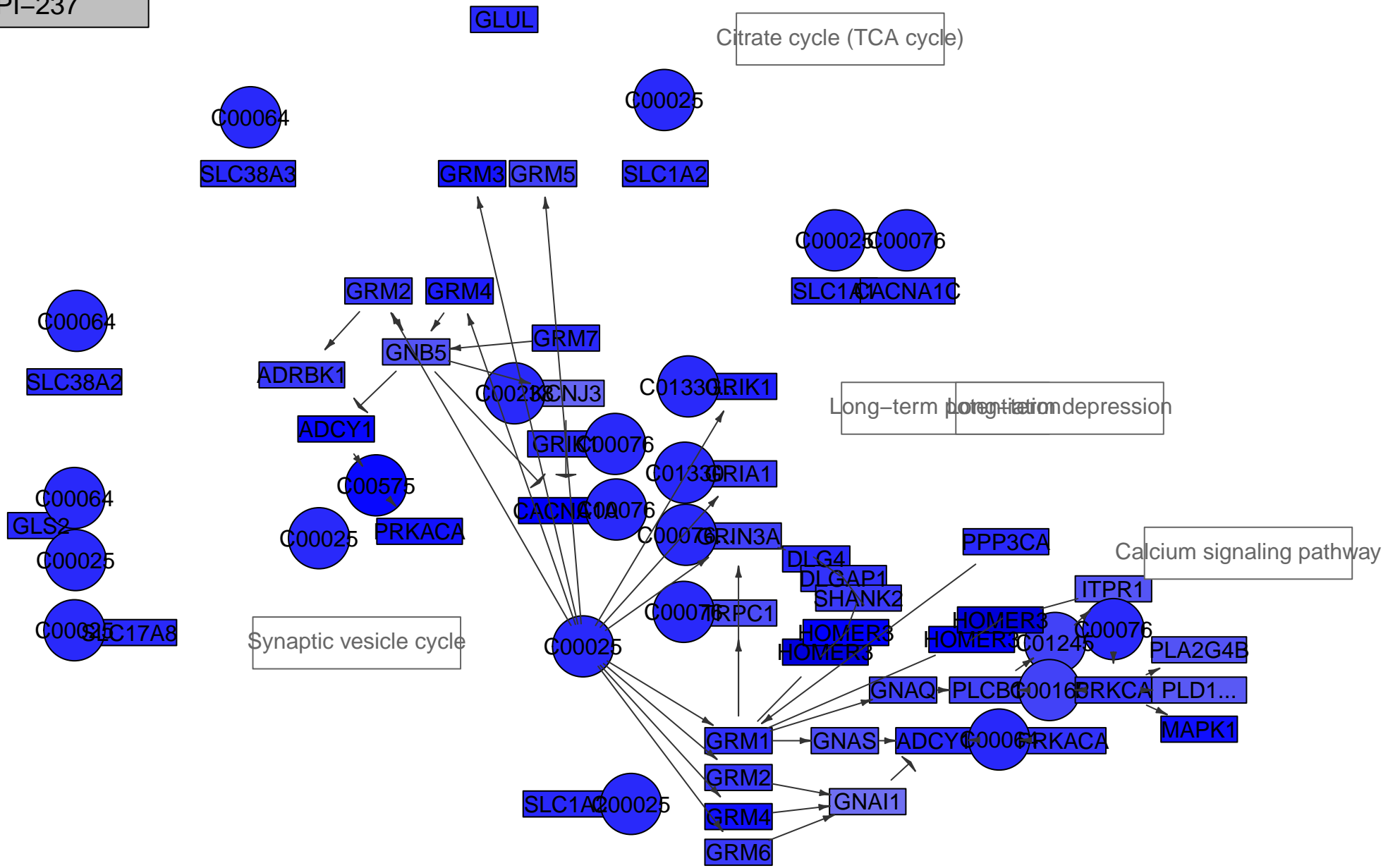
Glutamatergic synapse
MPI-231



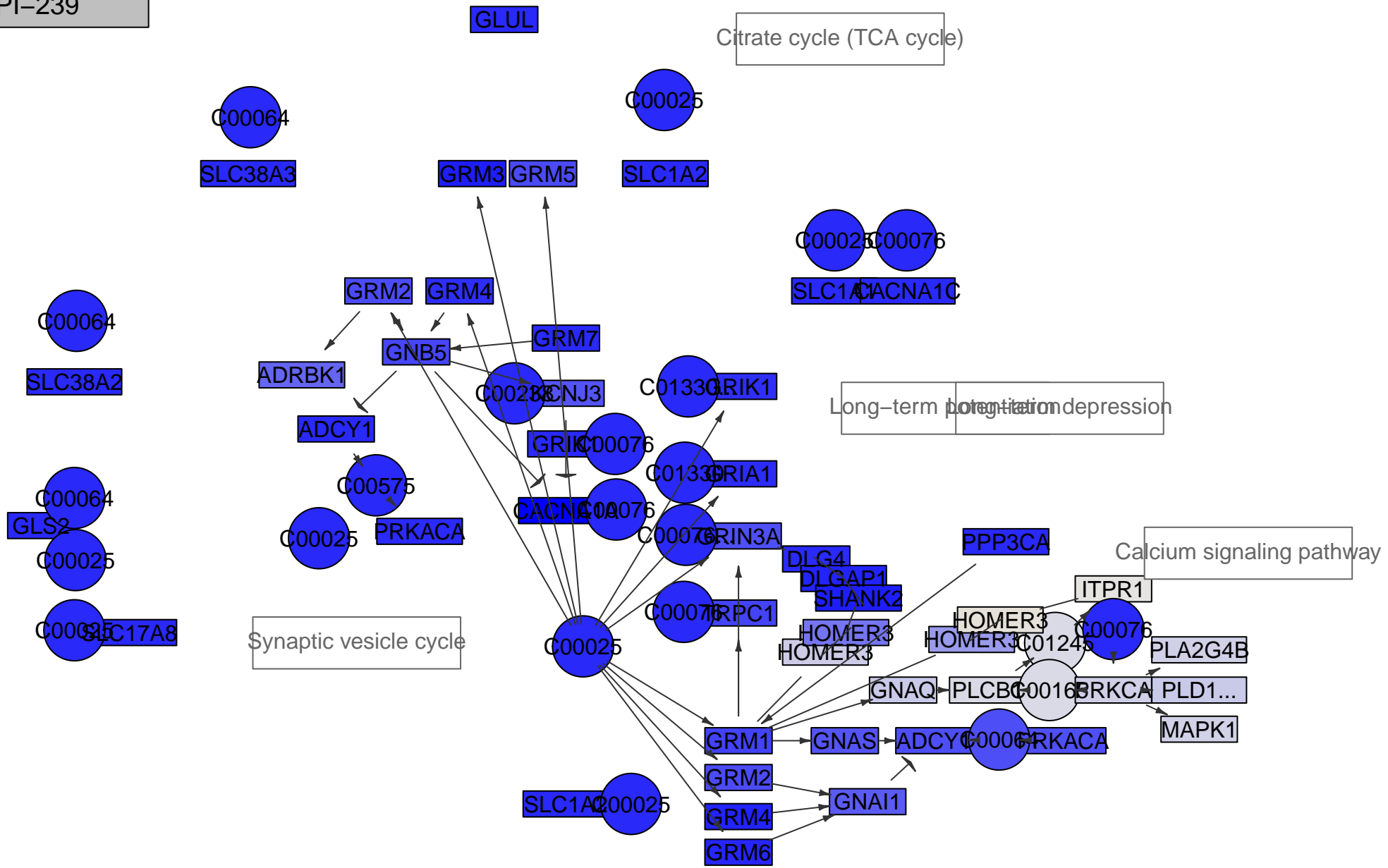
Glutamatergic synapse
MPI-233



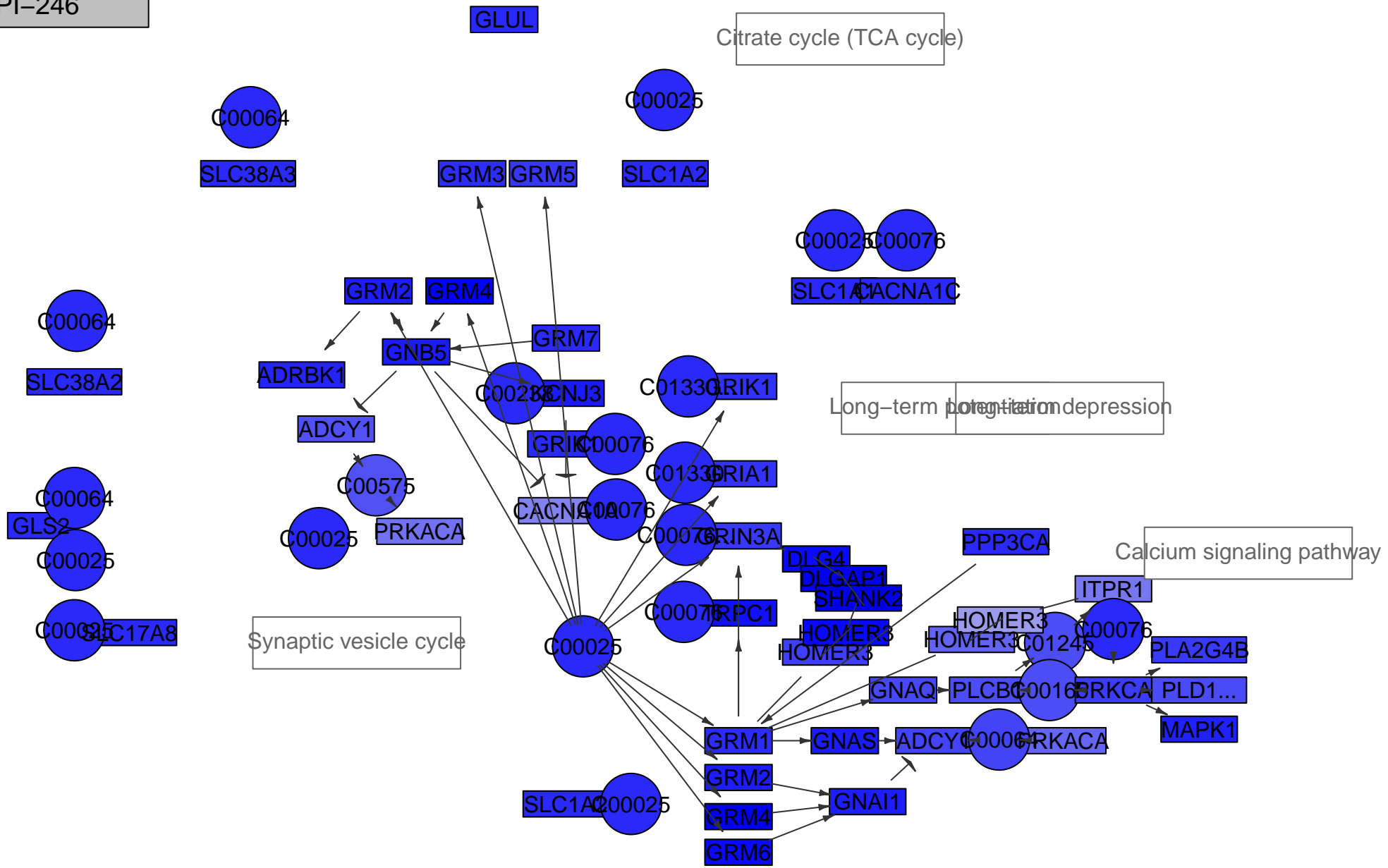
Glutamatergic synapse
MPI-237



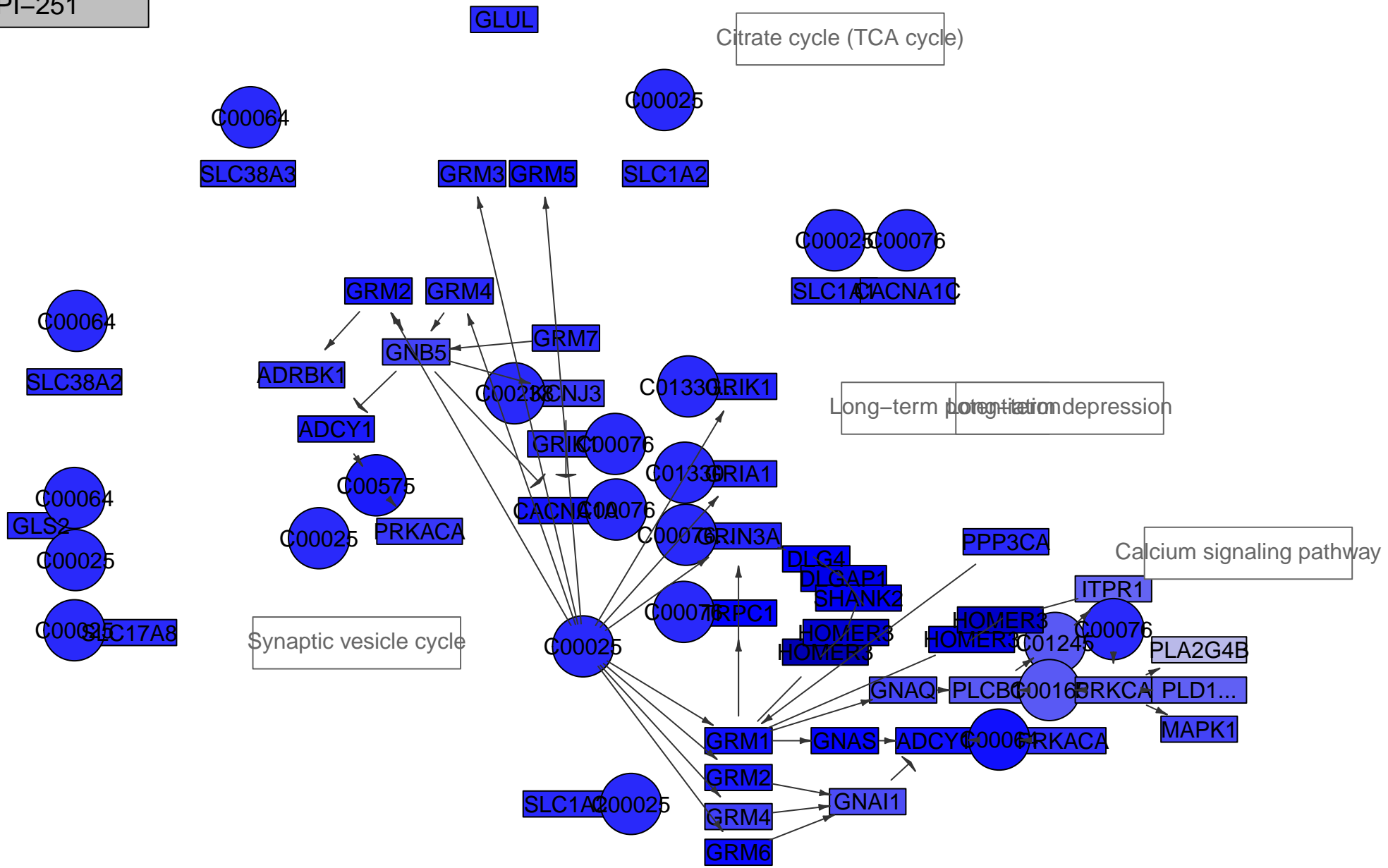
Glutamatergic synapse
MPI-239



Glutamatergic synapse
MPI-246



Glutamatergic synapse
MPI-251



Glutamatergic synapse
MPI-223b

