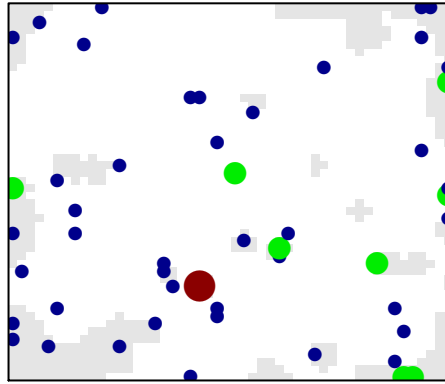


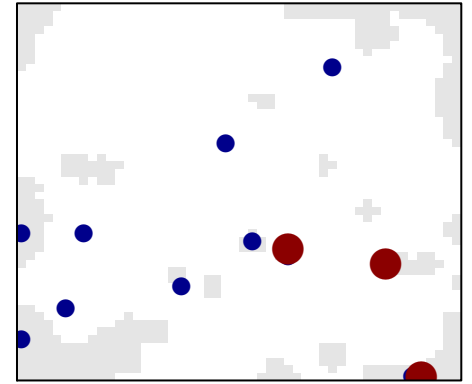
Aldosterone-regulated sodium reabsorption

all genes

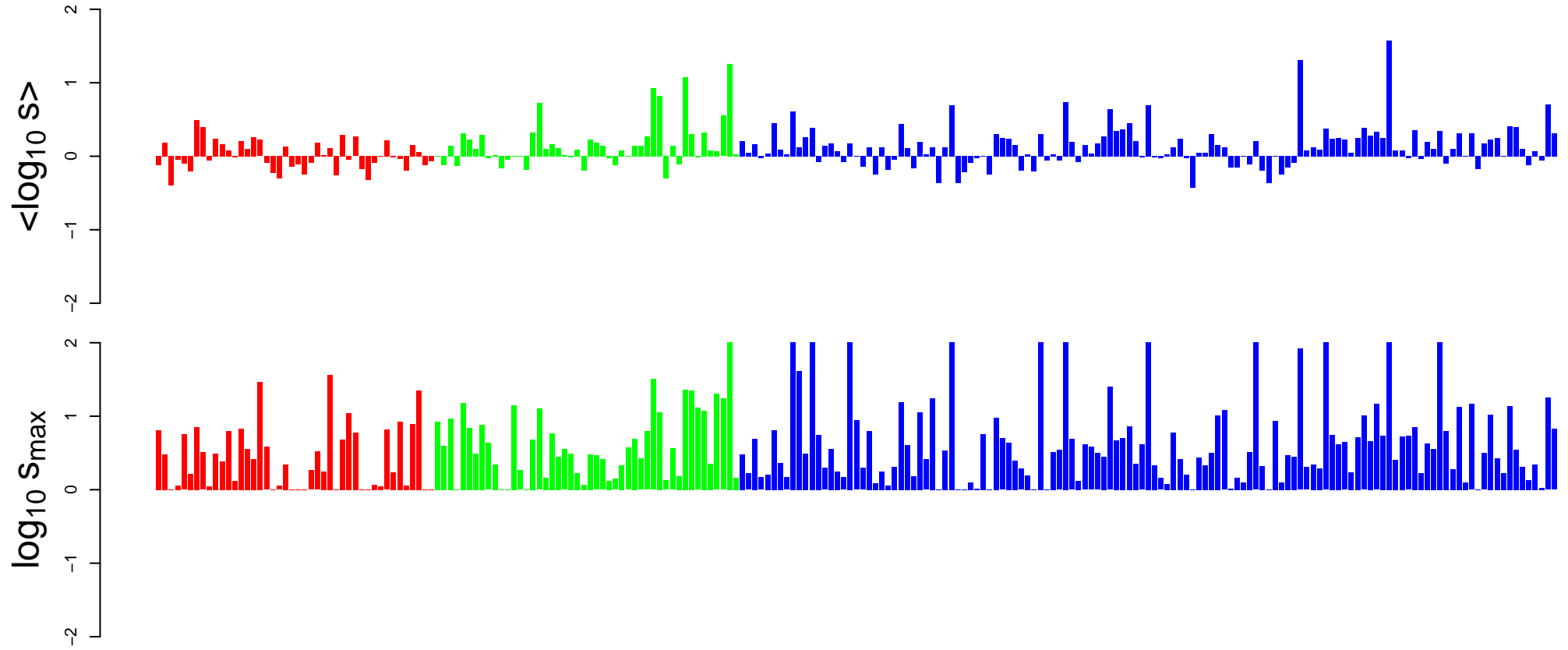


maximum = 3

sink node genes



maximum = 2



Aldosterone-regulated sodium reabsorption (genes with data)

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

SFN

C05981

KRAS

C00238

ATP1B4...

C01330

+u

NEDD4L

PIK3R5

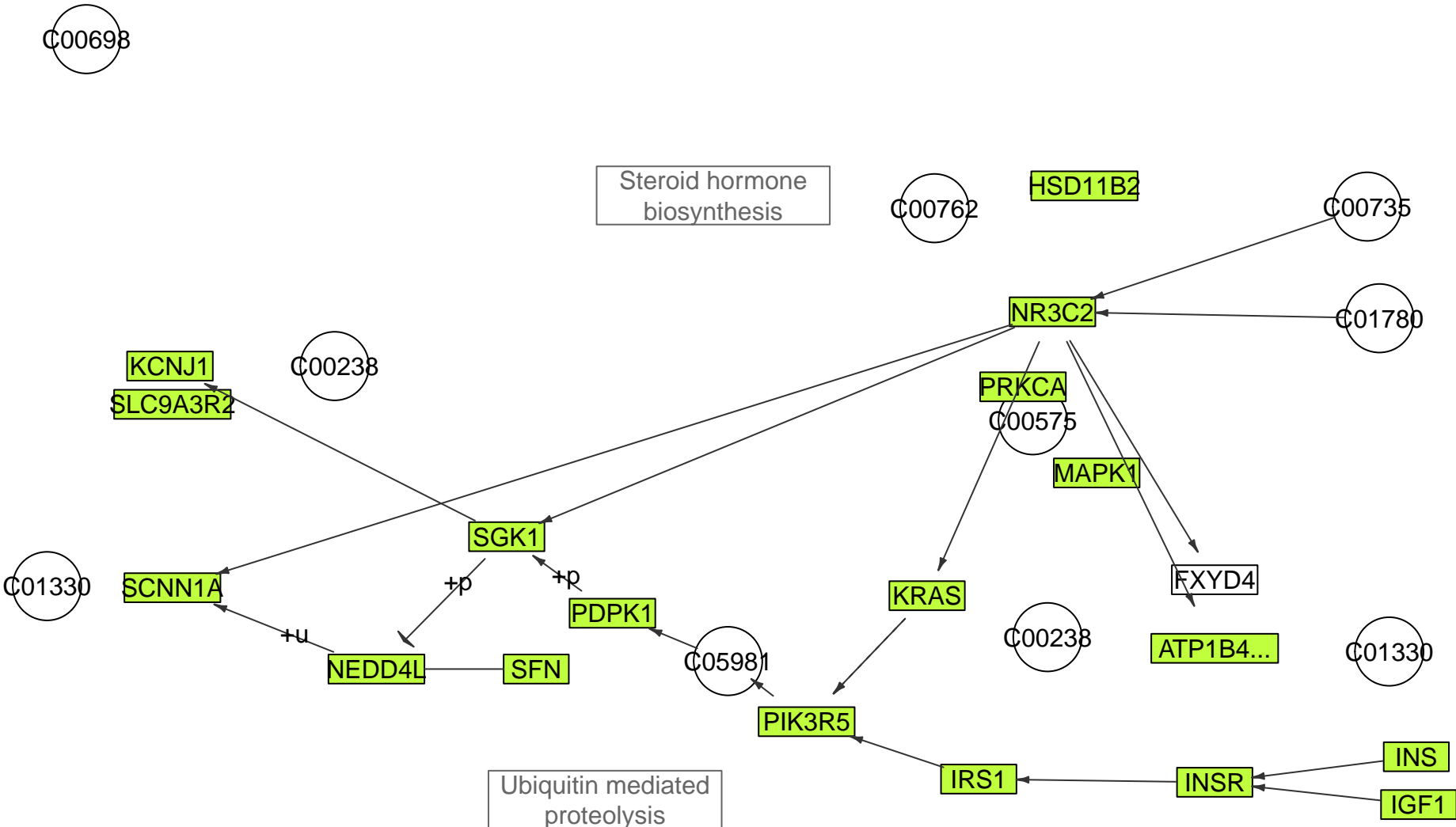
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption (sink nodes)

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

+p

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

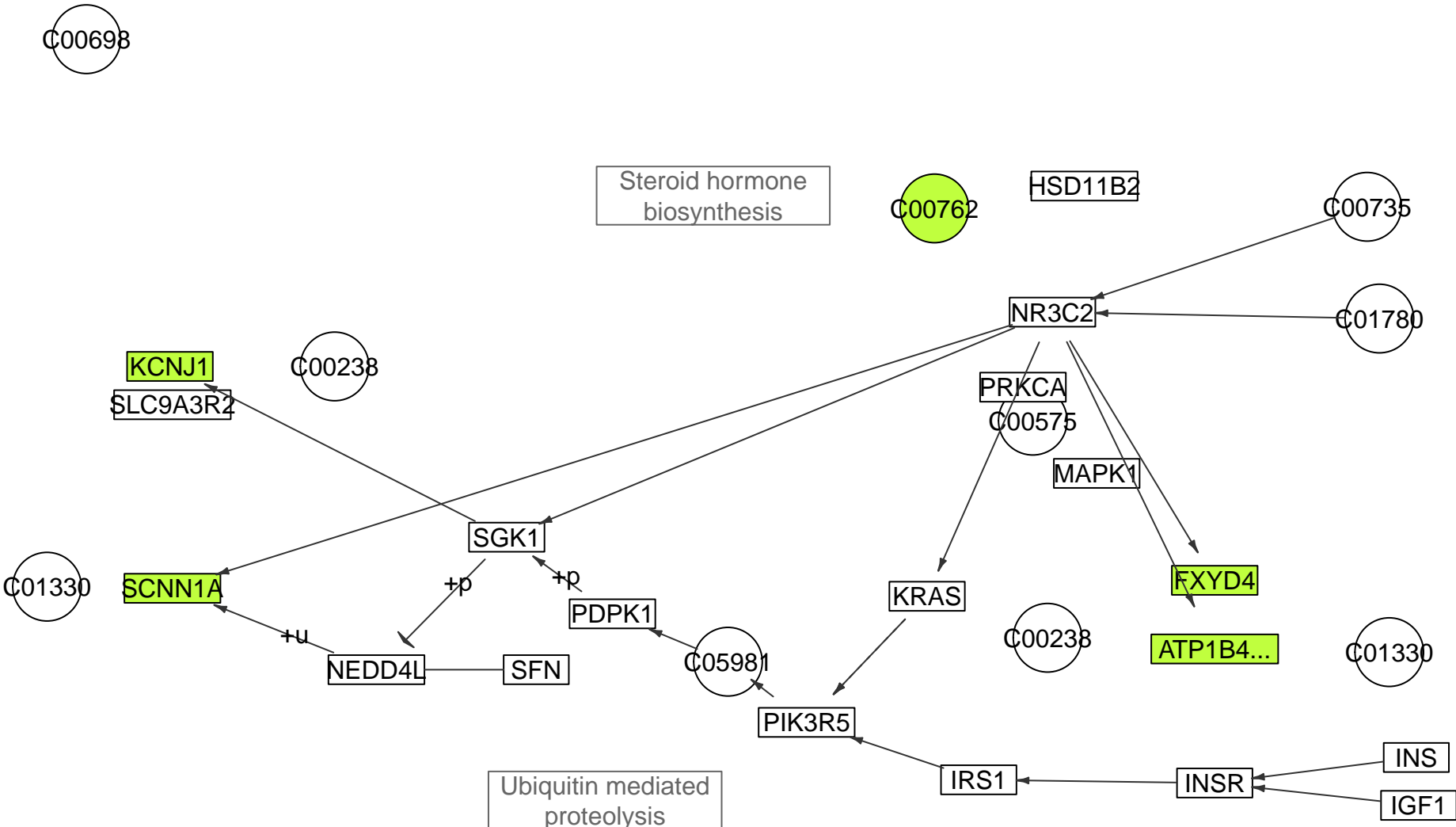
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-002

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

+p

Aldosterone-regulated sodium reabsorption
MPI-005

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

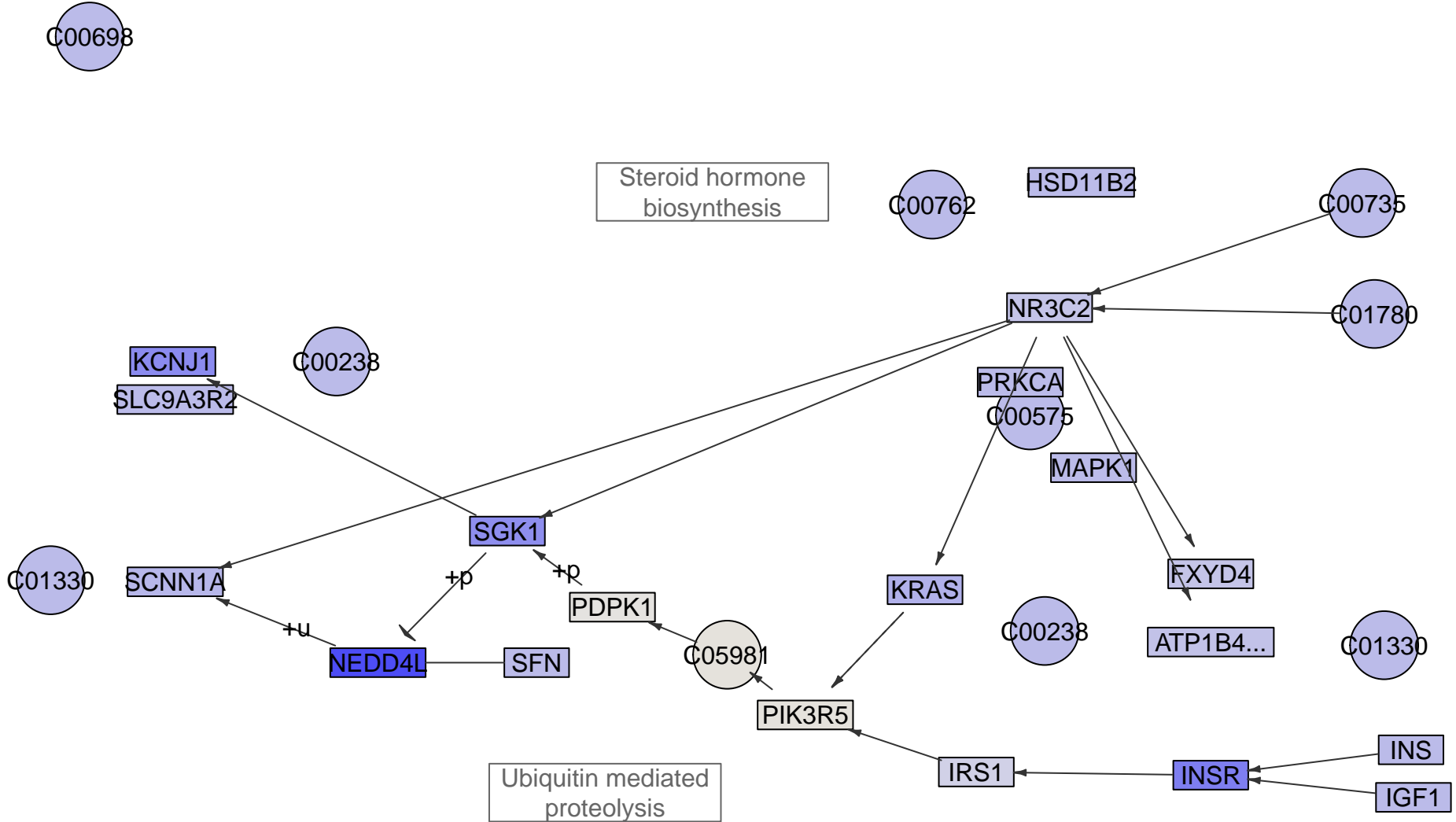
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-006

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

+u

PIK3R5

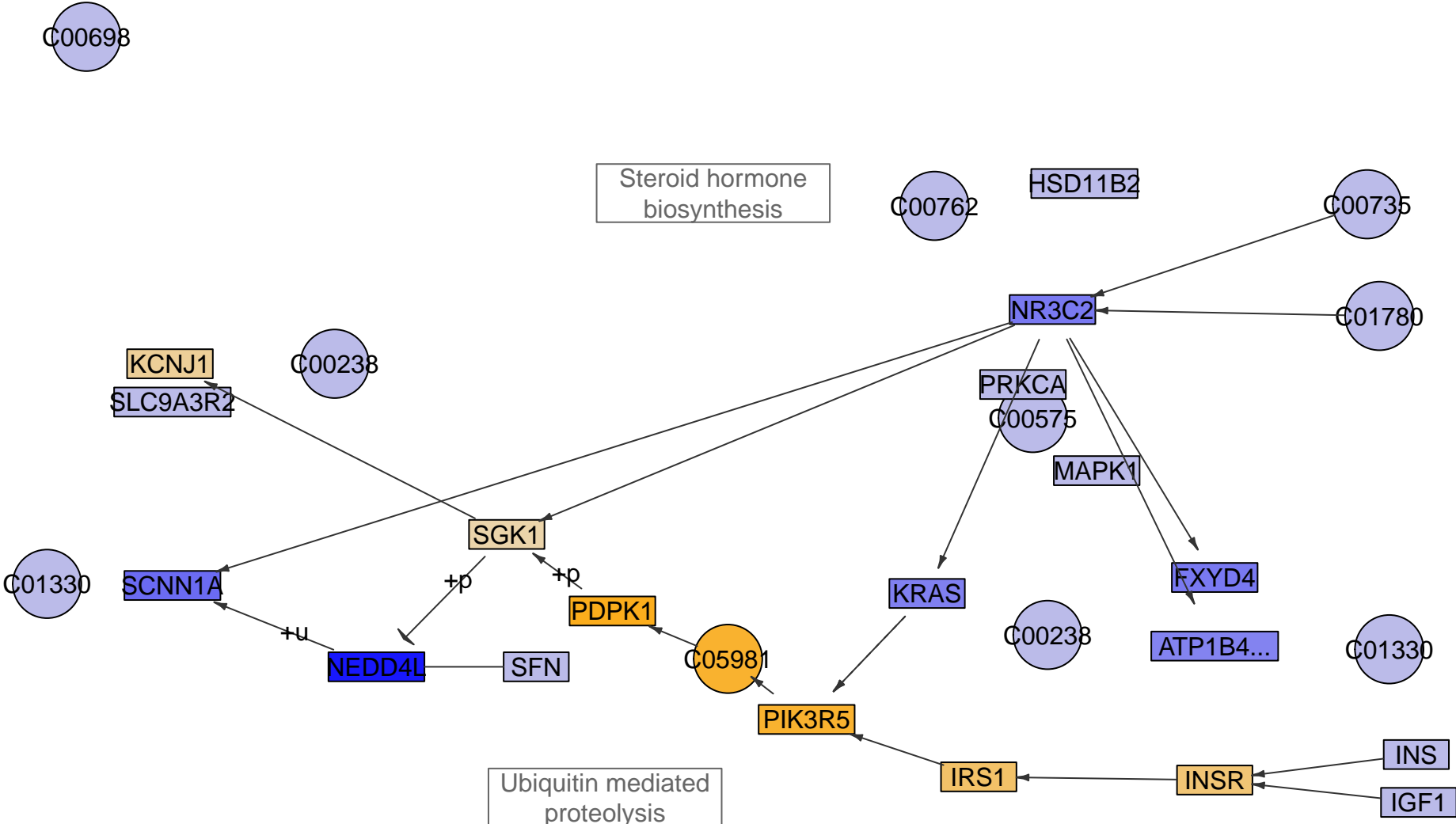
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-017

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

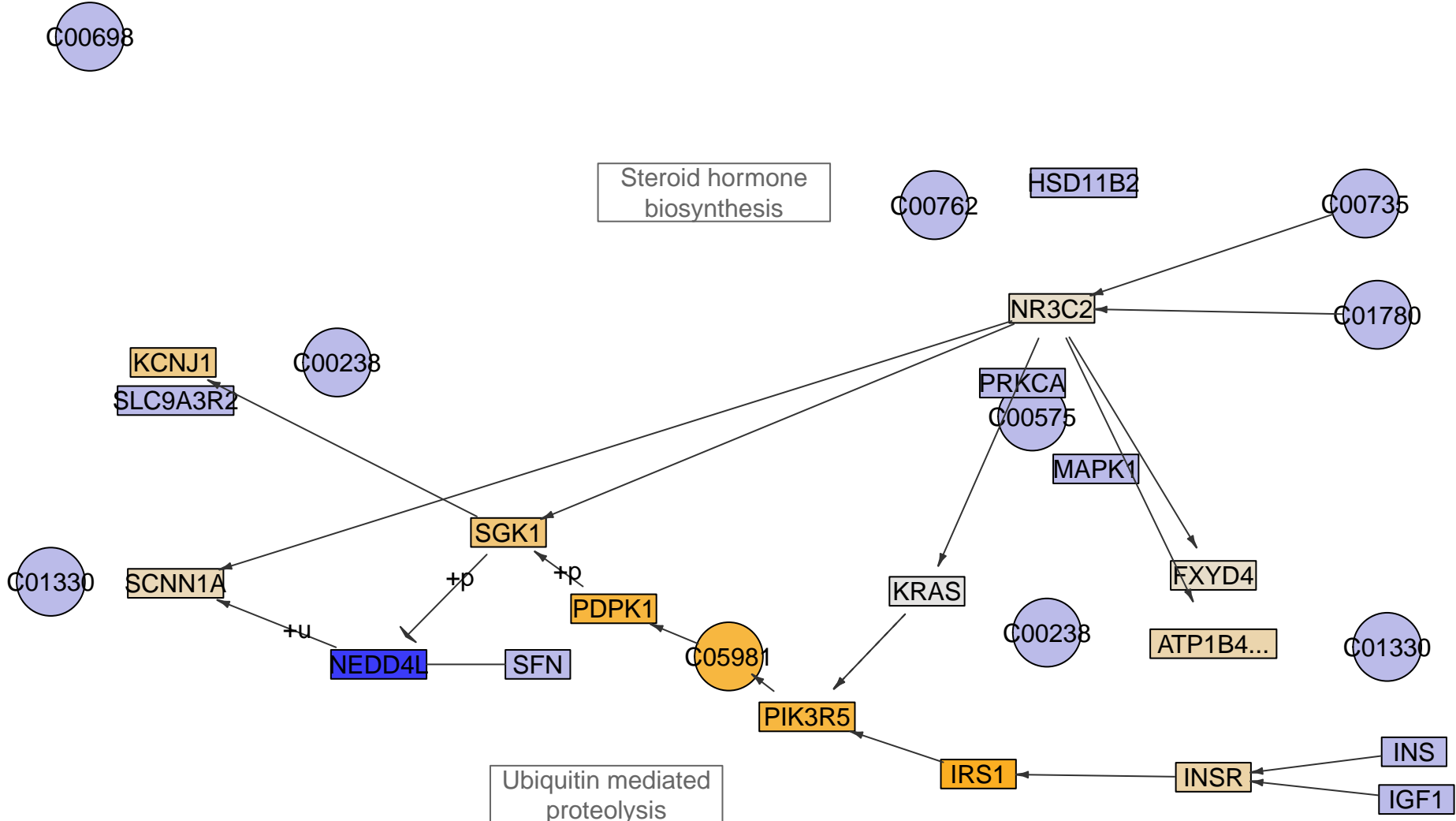
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-018

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

SGK1

PRKCA

C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

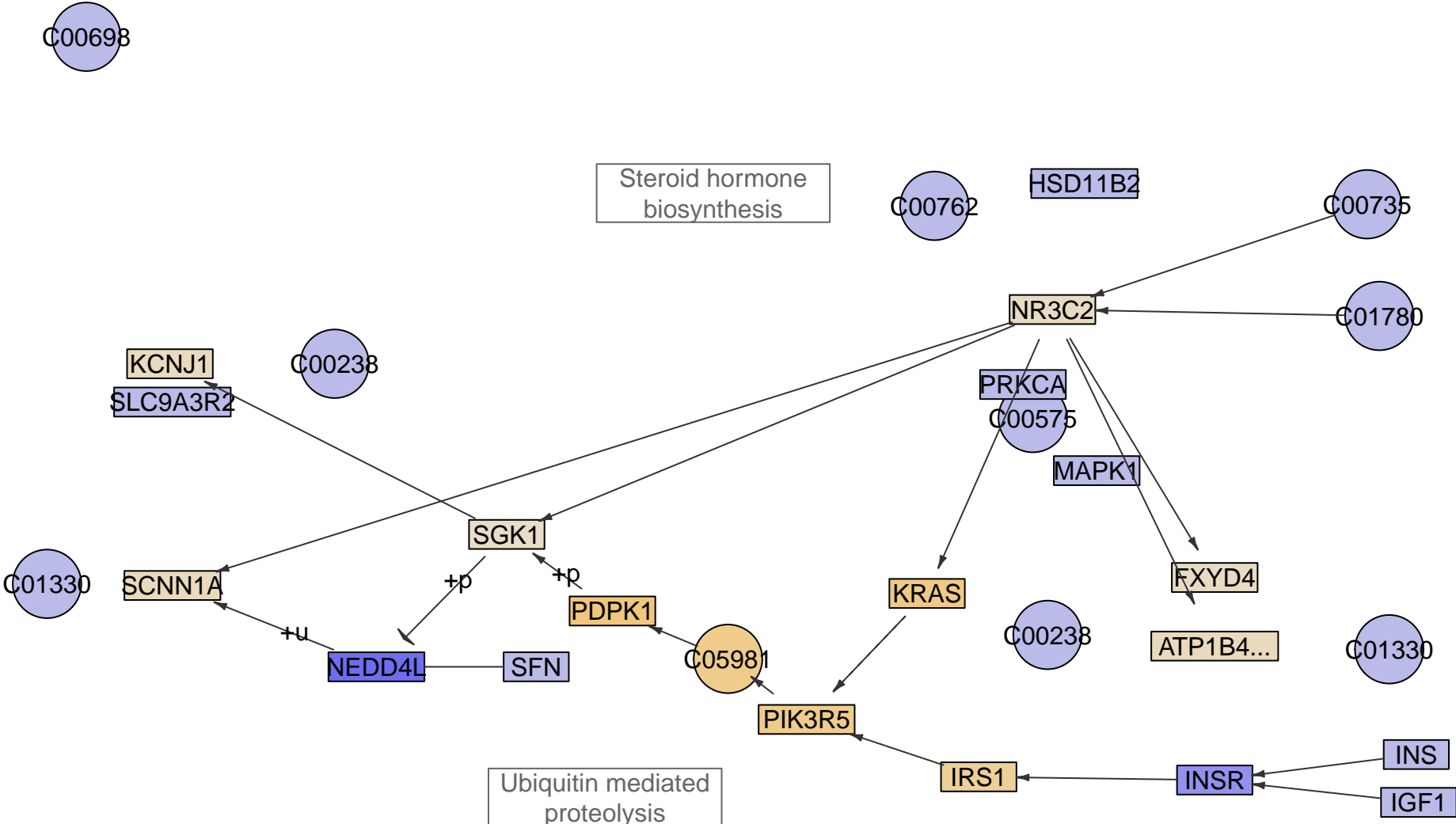
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-028

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

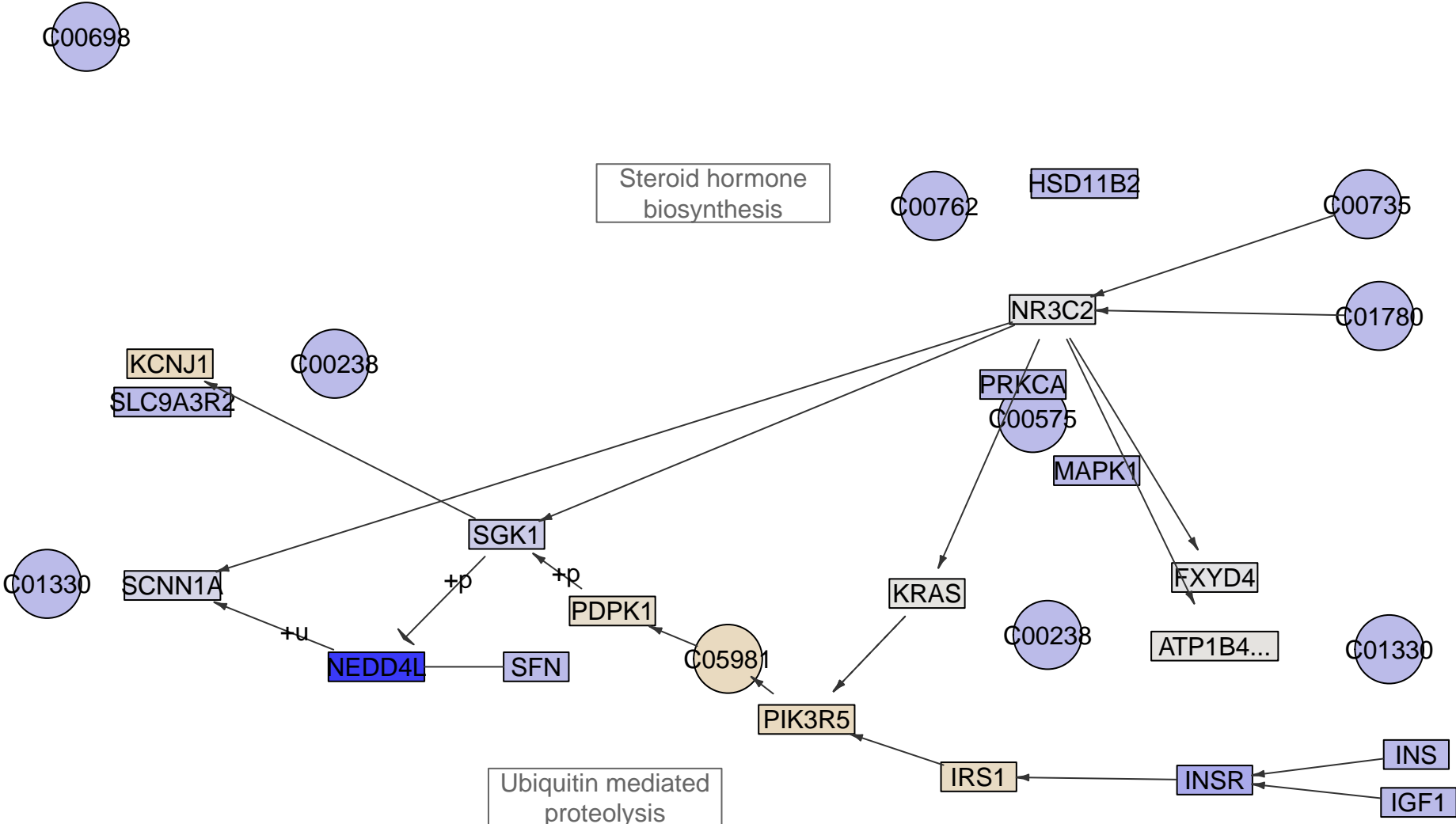
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-032

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

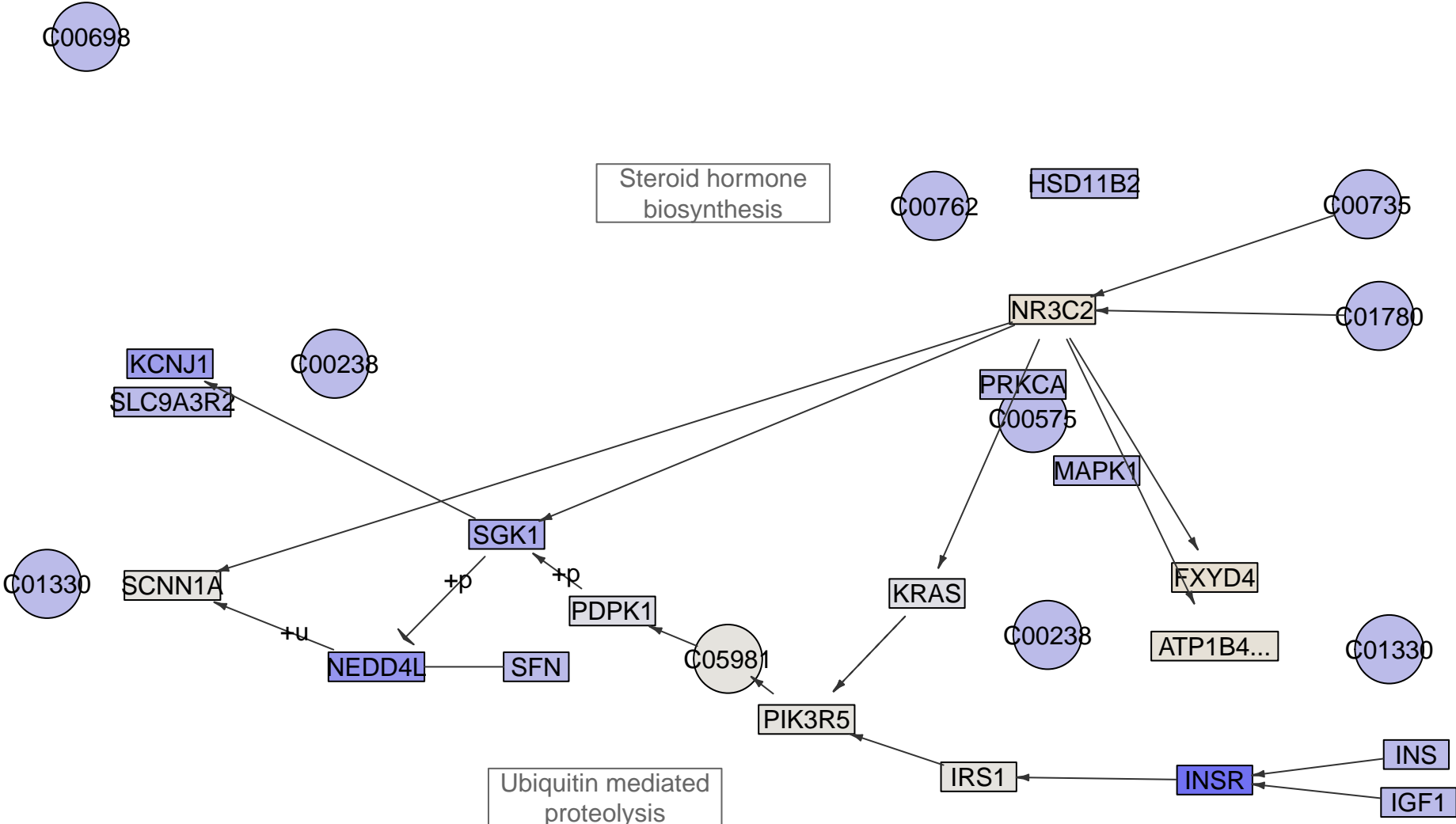
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-034

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

+p

KRAS

C00238

FXYP4

+u

NEDD4L

SFN

C05981

PIK3R5

ATP1B4...

C01330

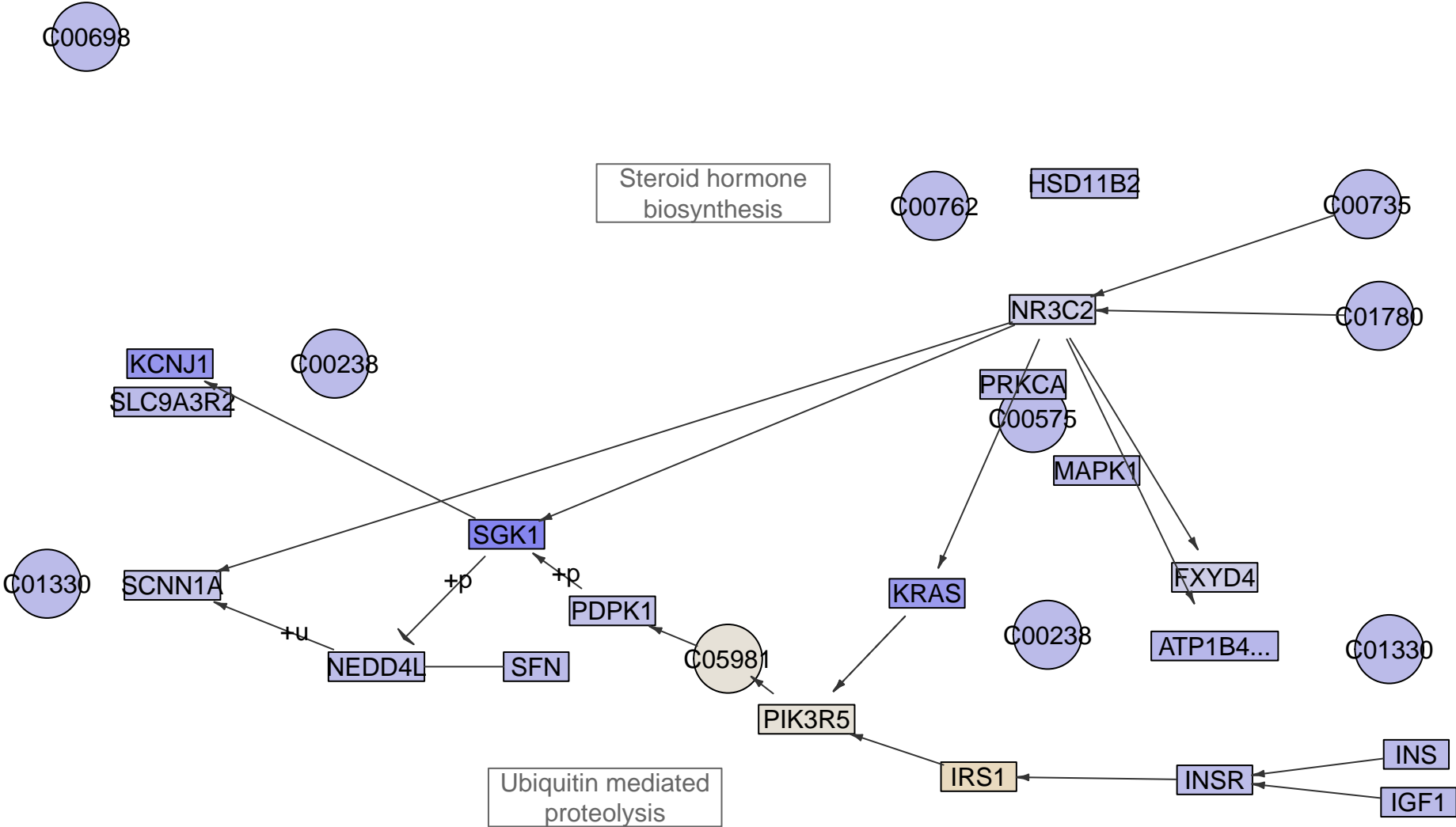
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-044

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

PIK3R5

KRAS

C00238

ATP1B4...

C01330

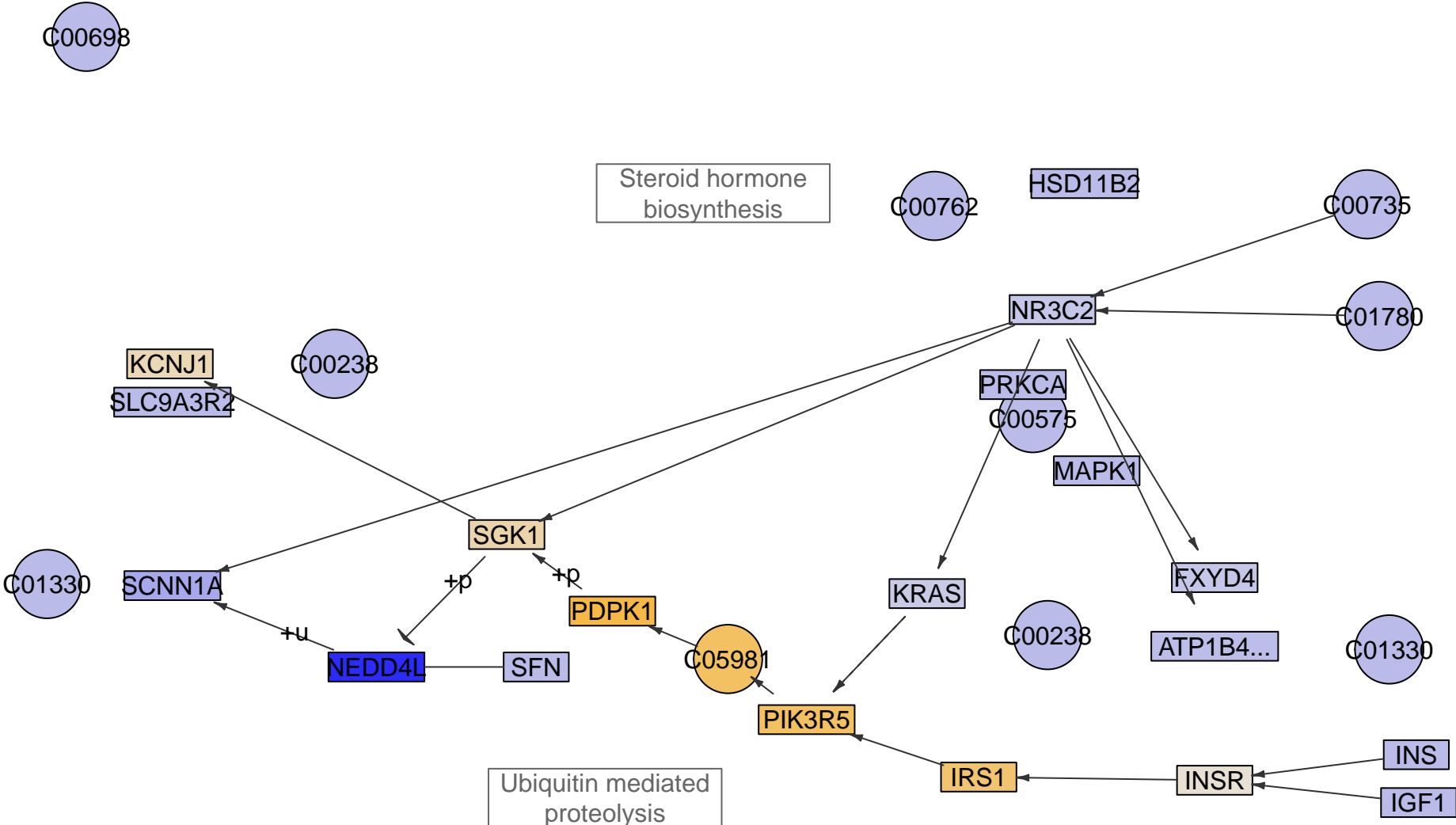
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-048

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

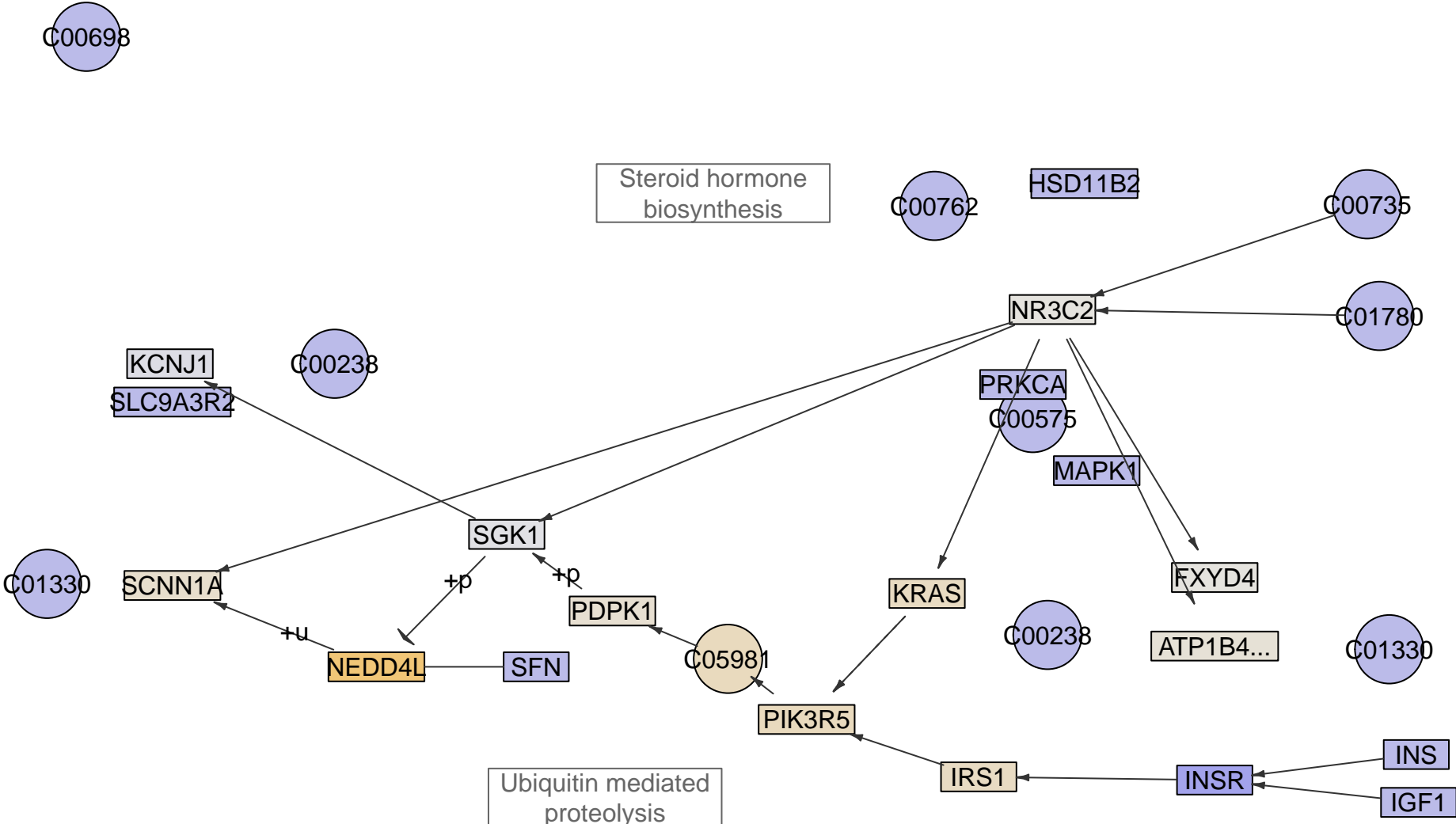
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-055

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

PIK3R5

KRAS

C00238

ATP1B4...

C01330

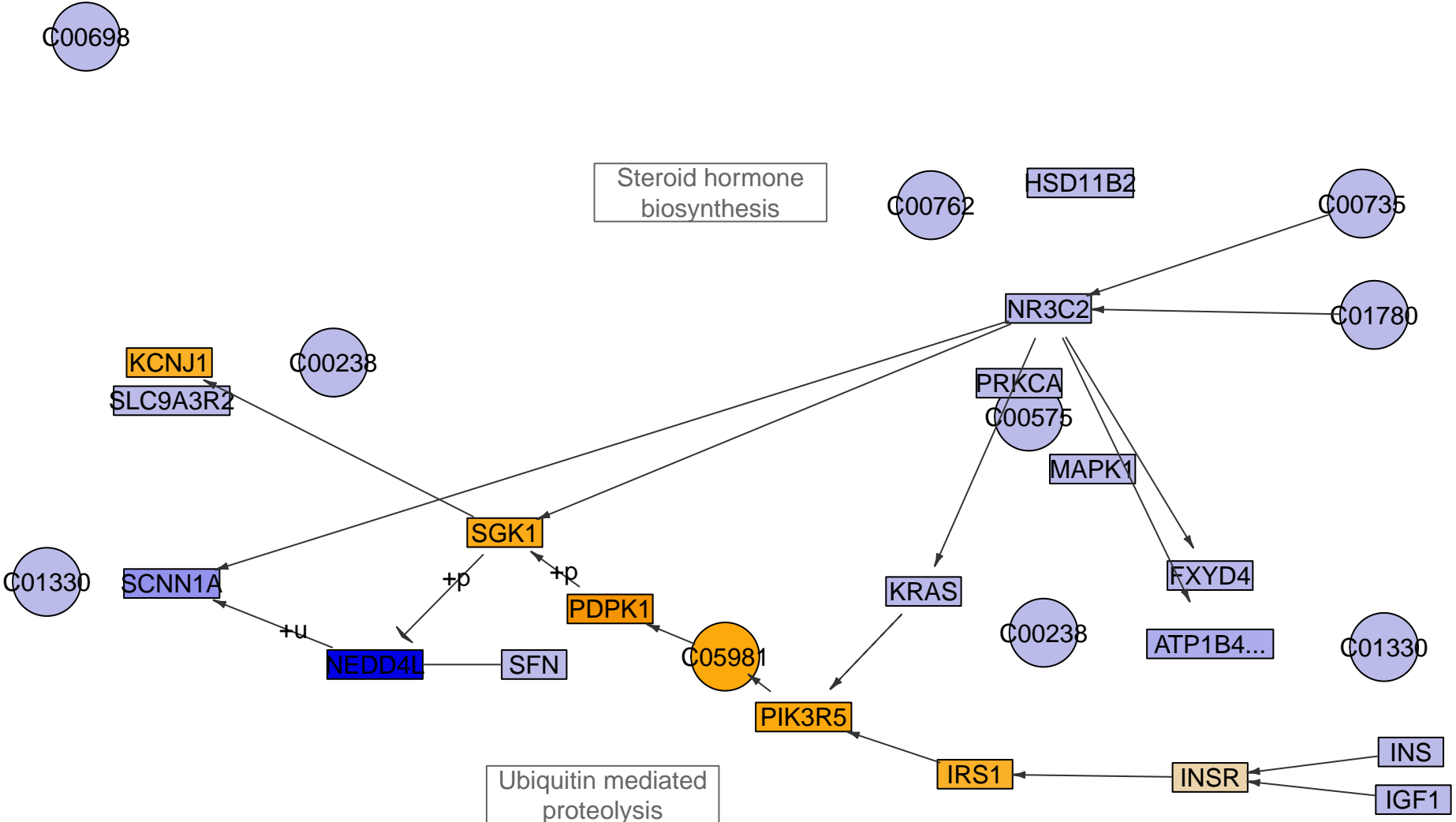
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-071

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

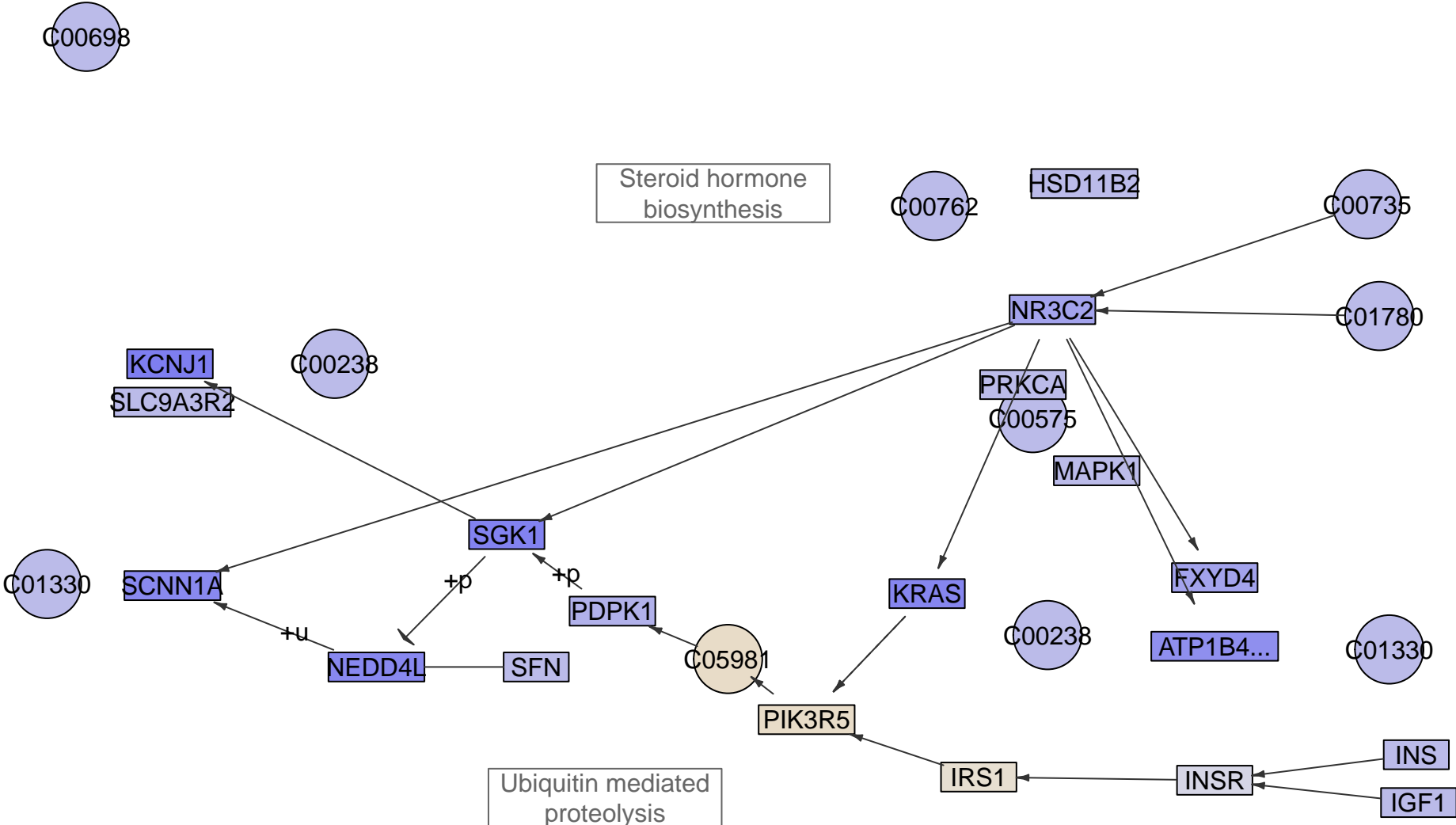
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-077

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

+u

PIK3R5

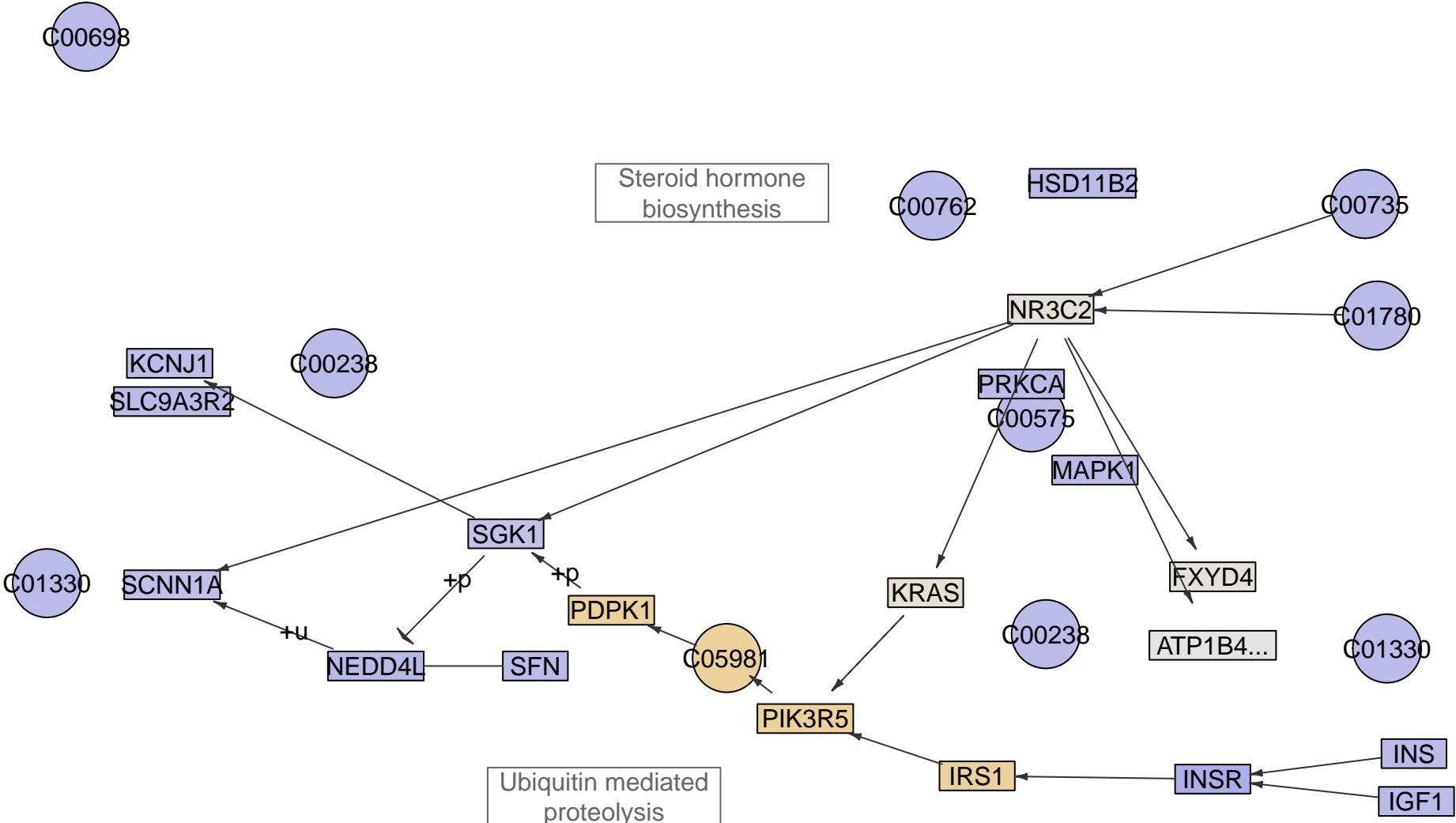
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-079

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

ATP1B4...

NEDD4L

SFN

PIK3R5

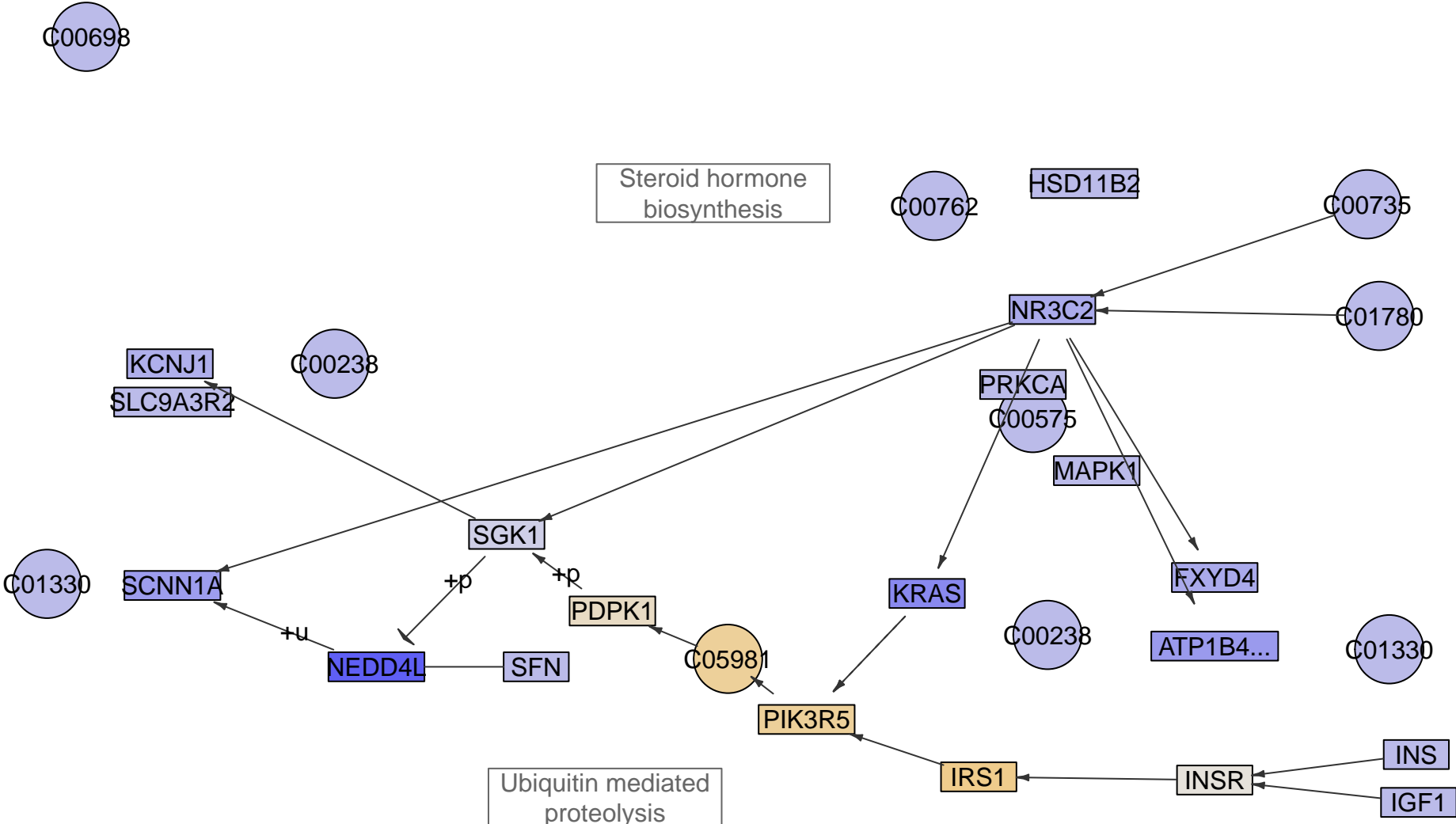
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-081

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

+u

PIK3R5

ATP1B4...

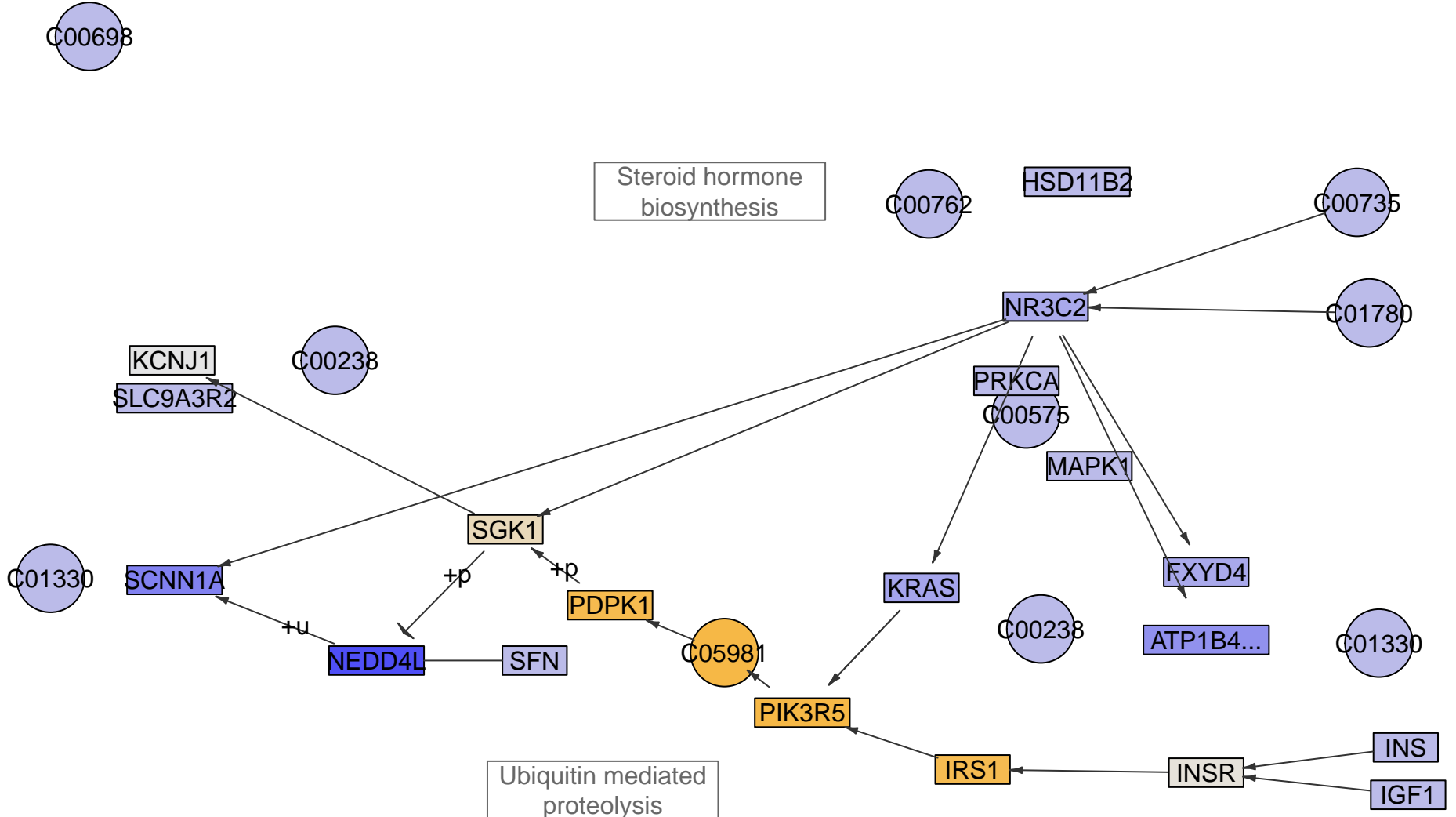
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-084

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

Aldosterone-regulated sodium reabsorption
MPI-085

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

+u

PIK3R5

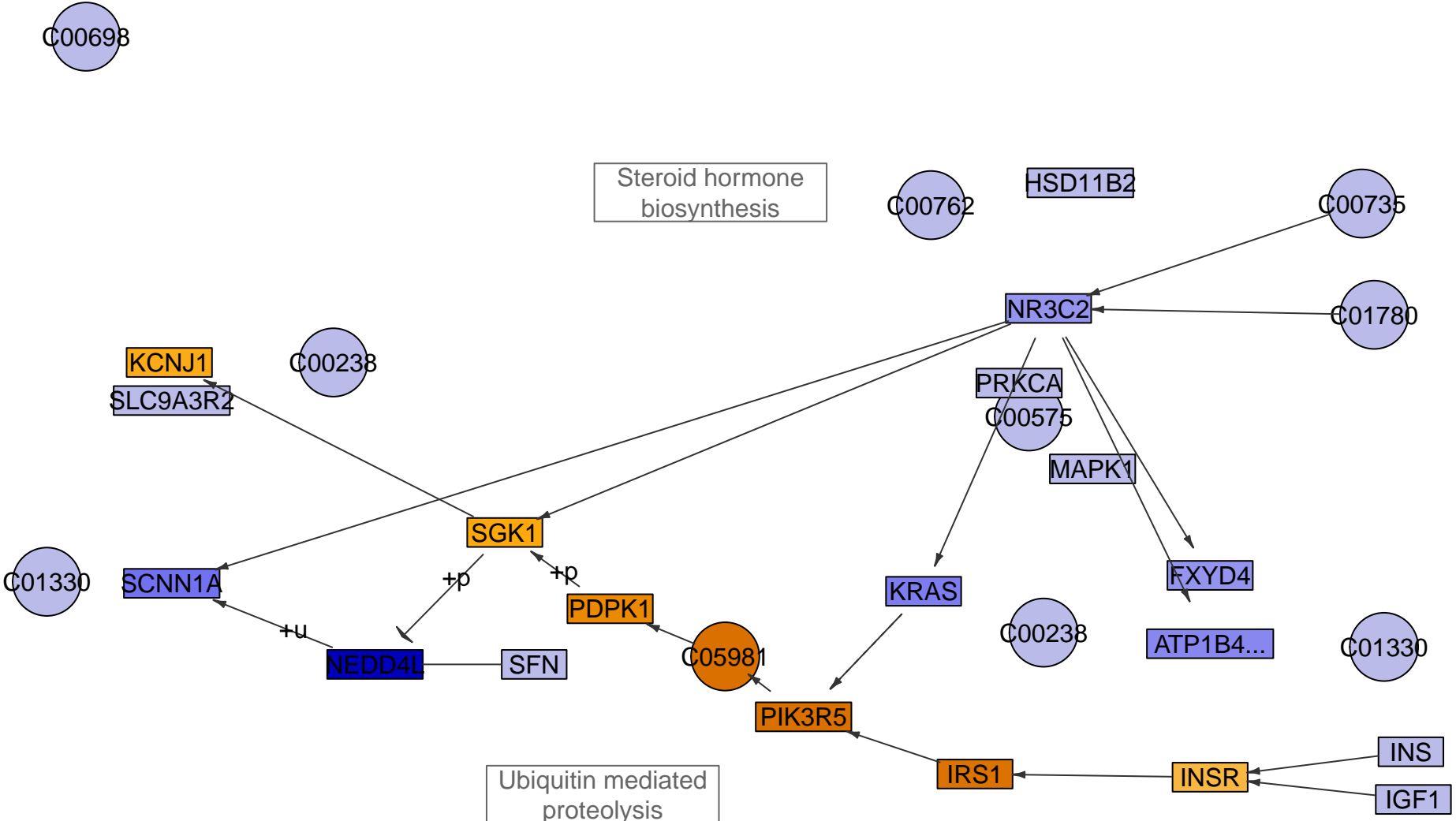
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-086

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

PIK3R5

ATP1B4...

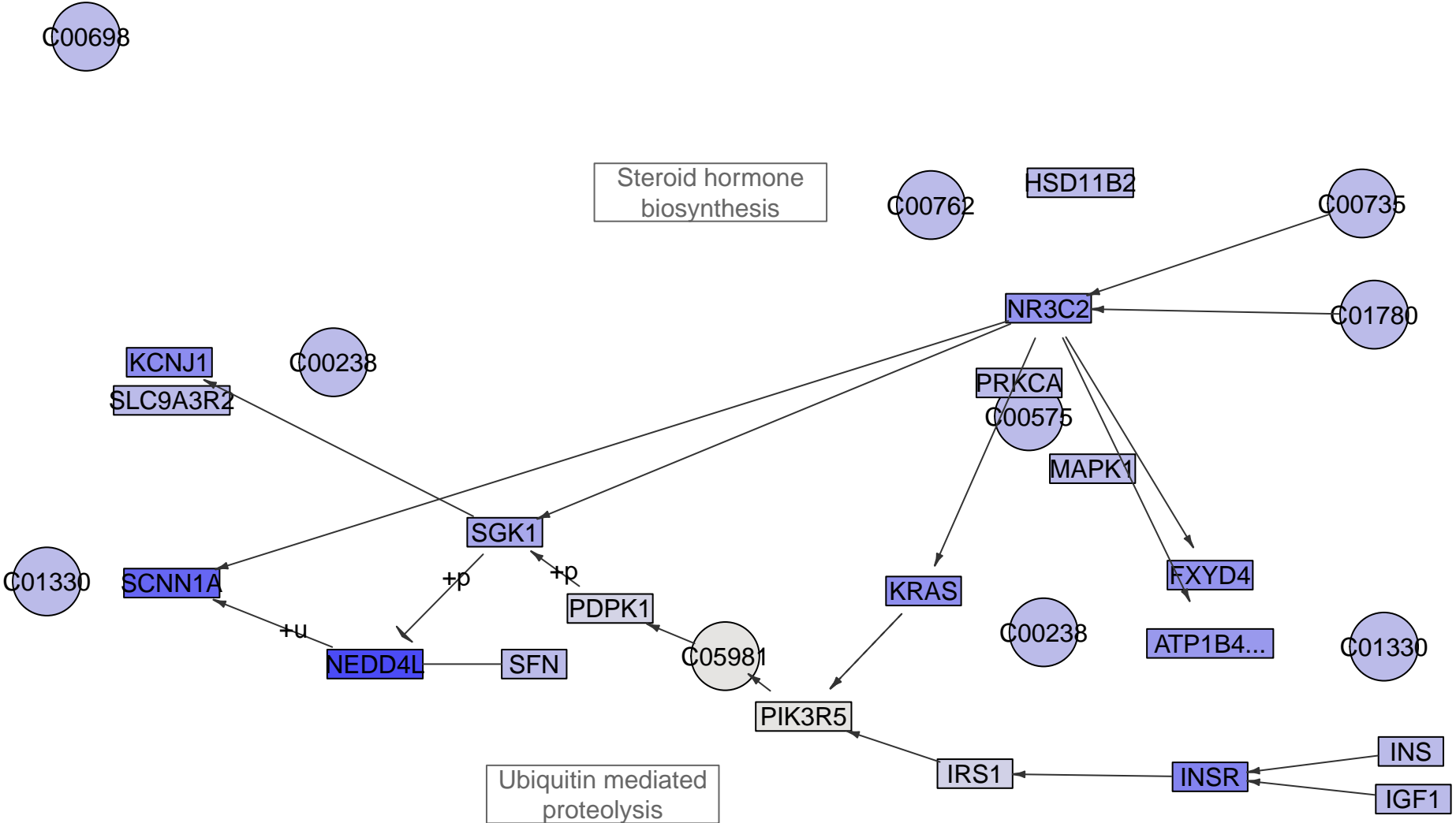
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-087

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

SGK1

PRKCA

C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

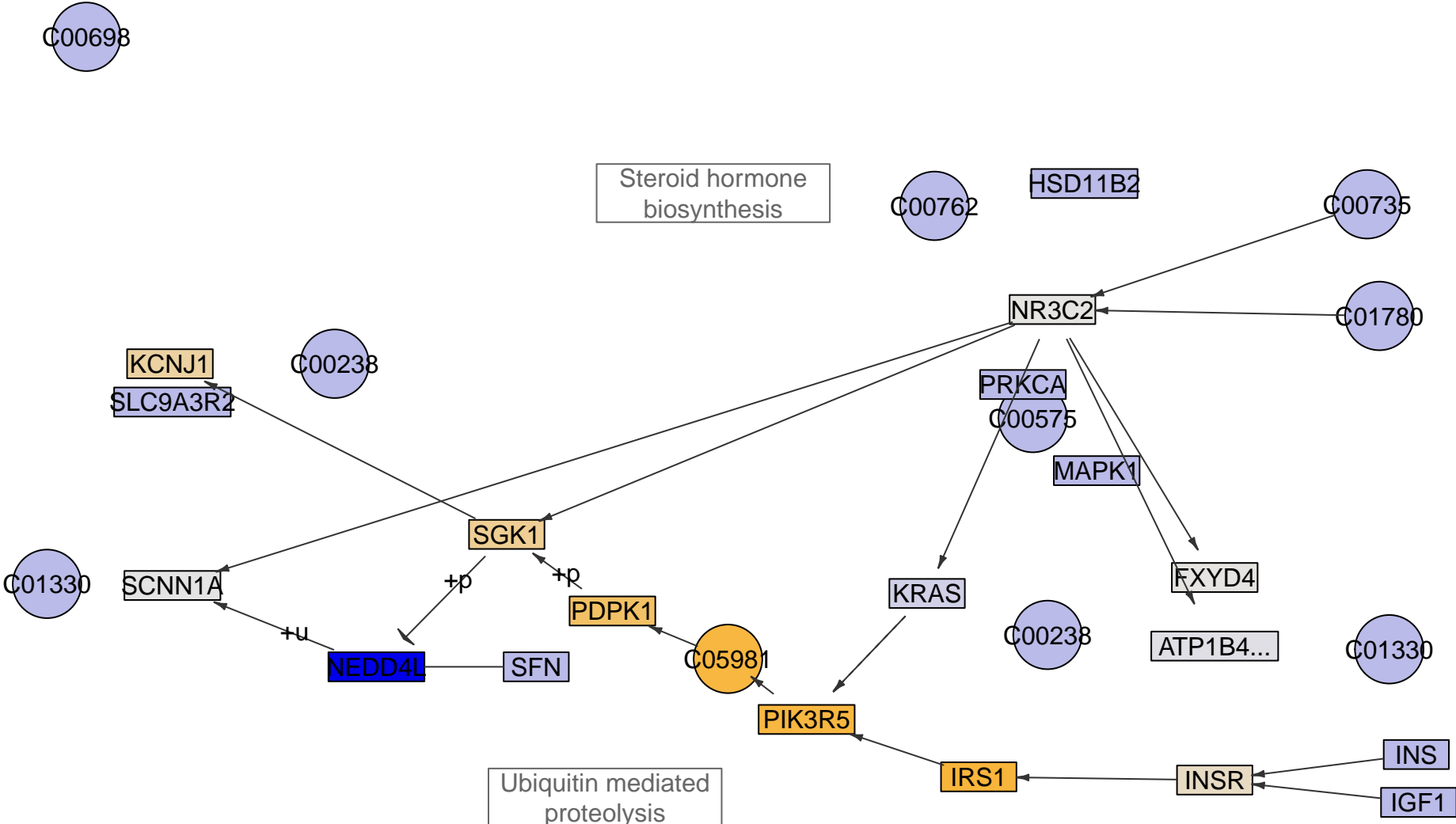
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-089

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

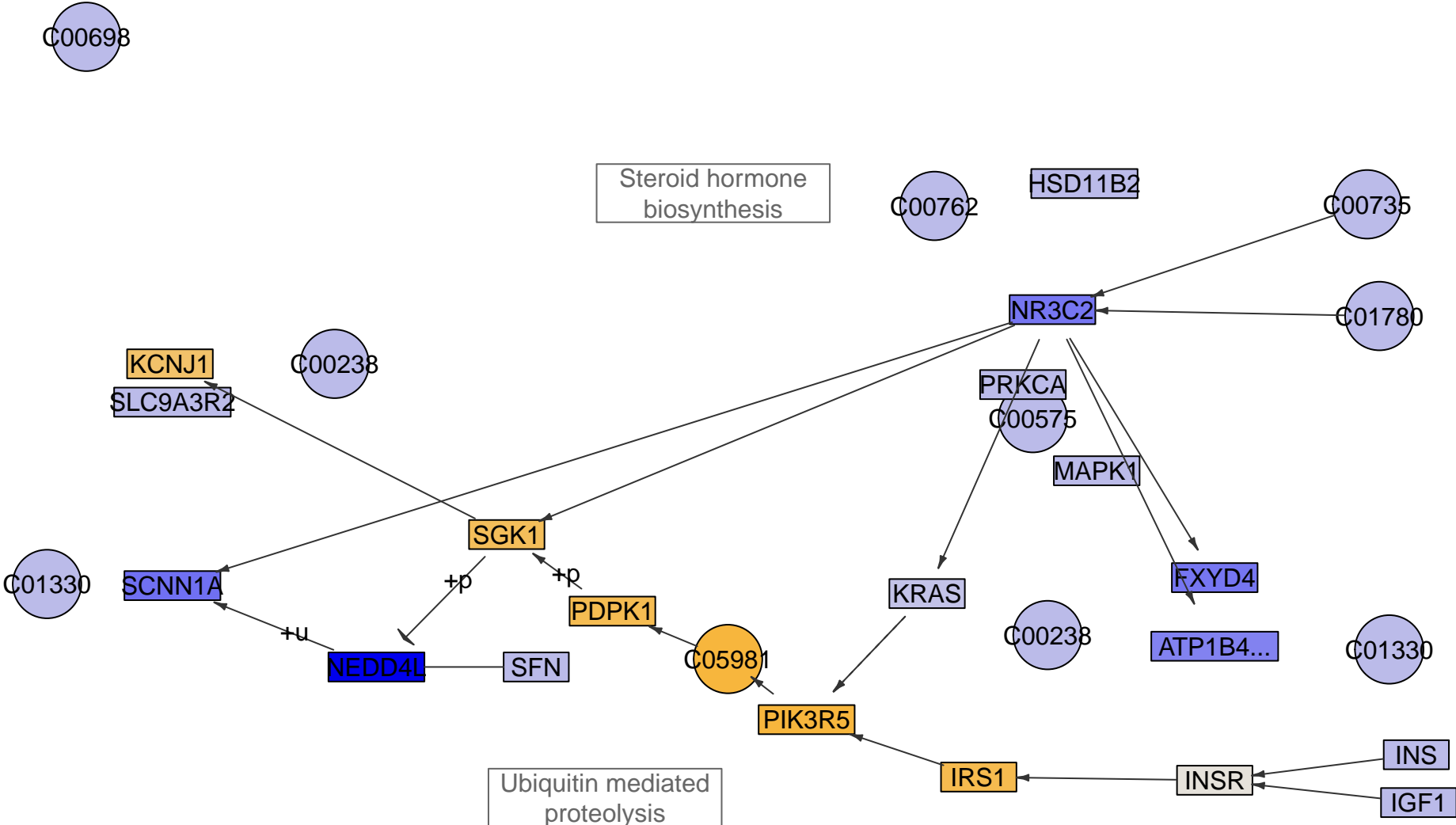
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-091

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

+u

PIK3R5

ATP1B4...

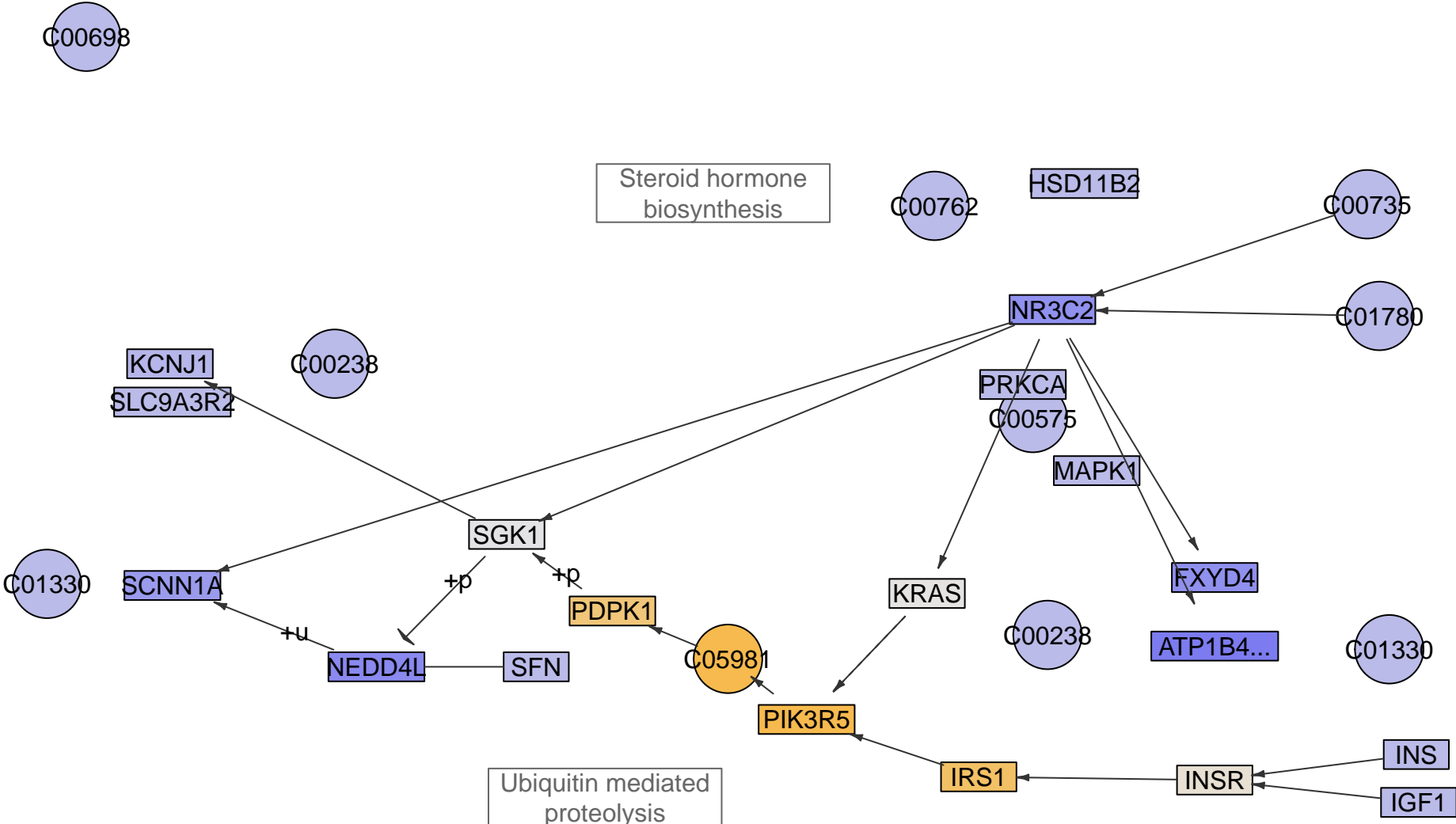
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-095

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

ATP1B4...

+u

NEDD4L

SFN

PIK3R5

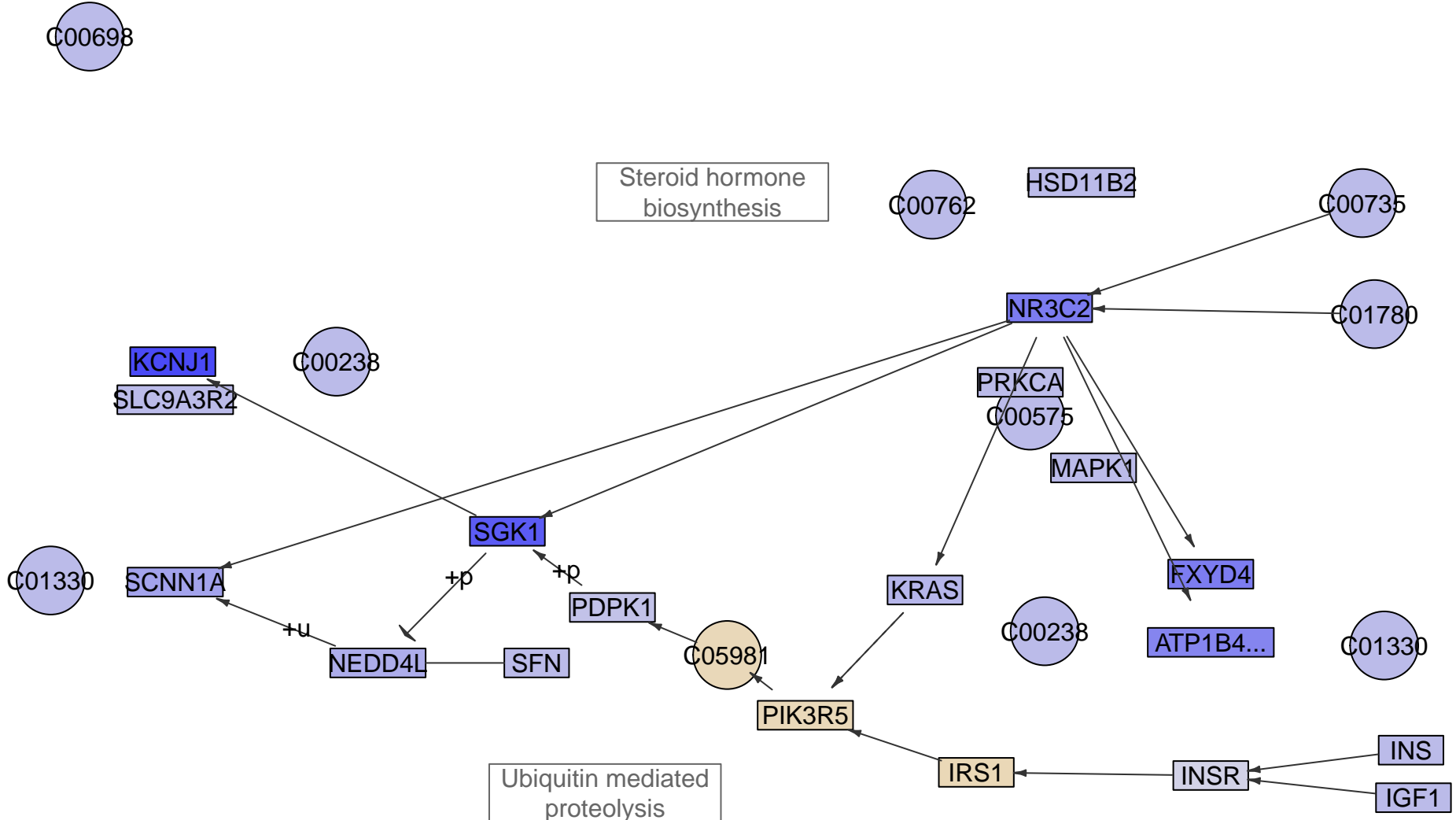
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-101

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

ATP1B4...

NEDD4L

SFN

+u

PIK3R5

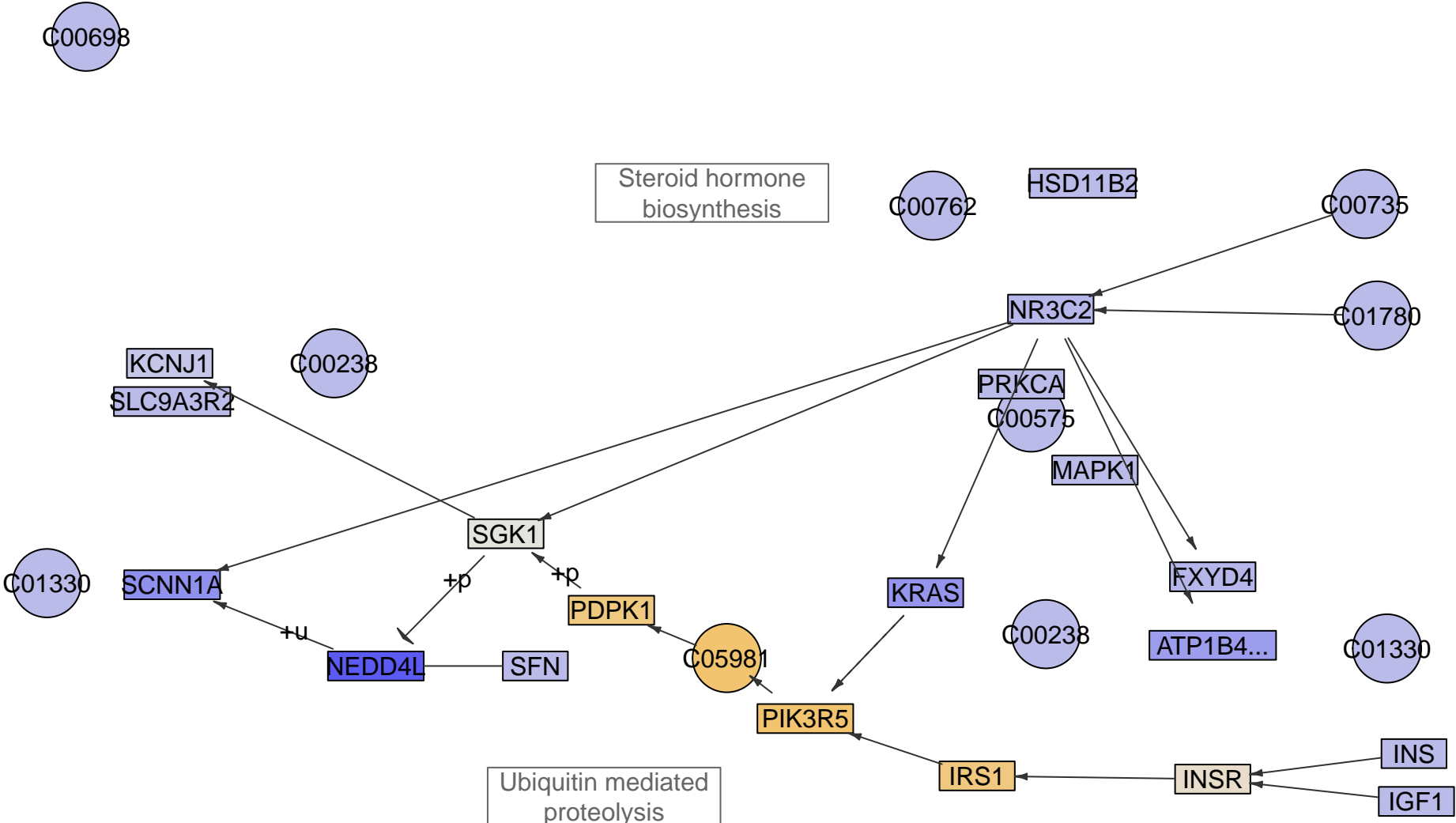
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-138

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

+p

KRAS

C00238

FXYP4

+u

NEDD4L

SFN

C05981

PIK3R5

ATP1B4...

C01330

Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1

Aldosterone-regulated sodium reabsorption
MPI-140

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

PIK3R5

ATP1B4...

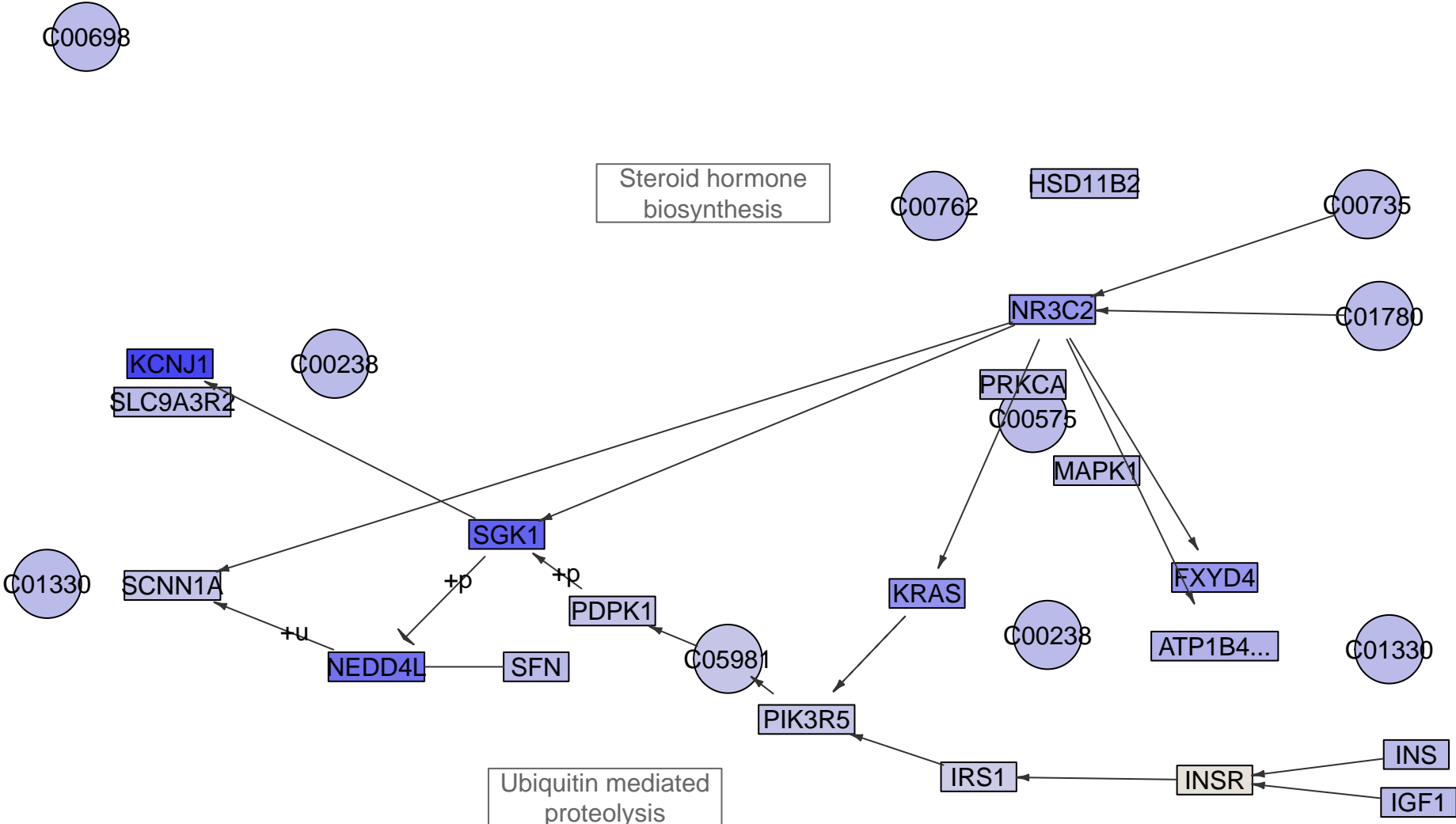
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-144

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXVD4

ATP1B4...

C01330

NEDD4L

SFN

+u

PIK3R5

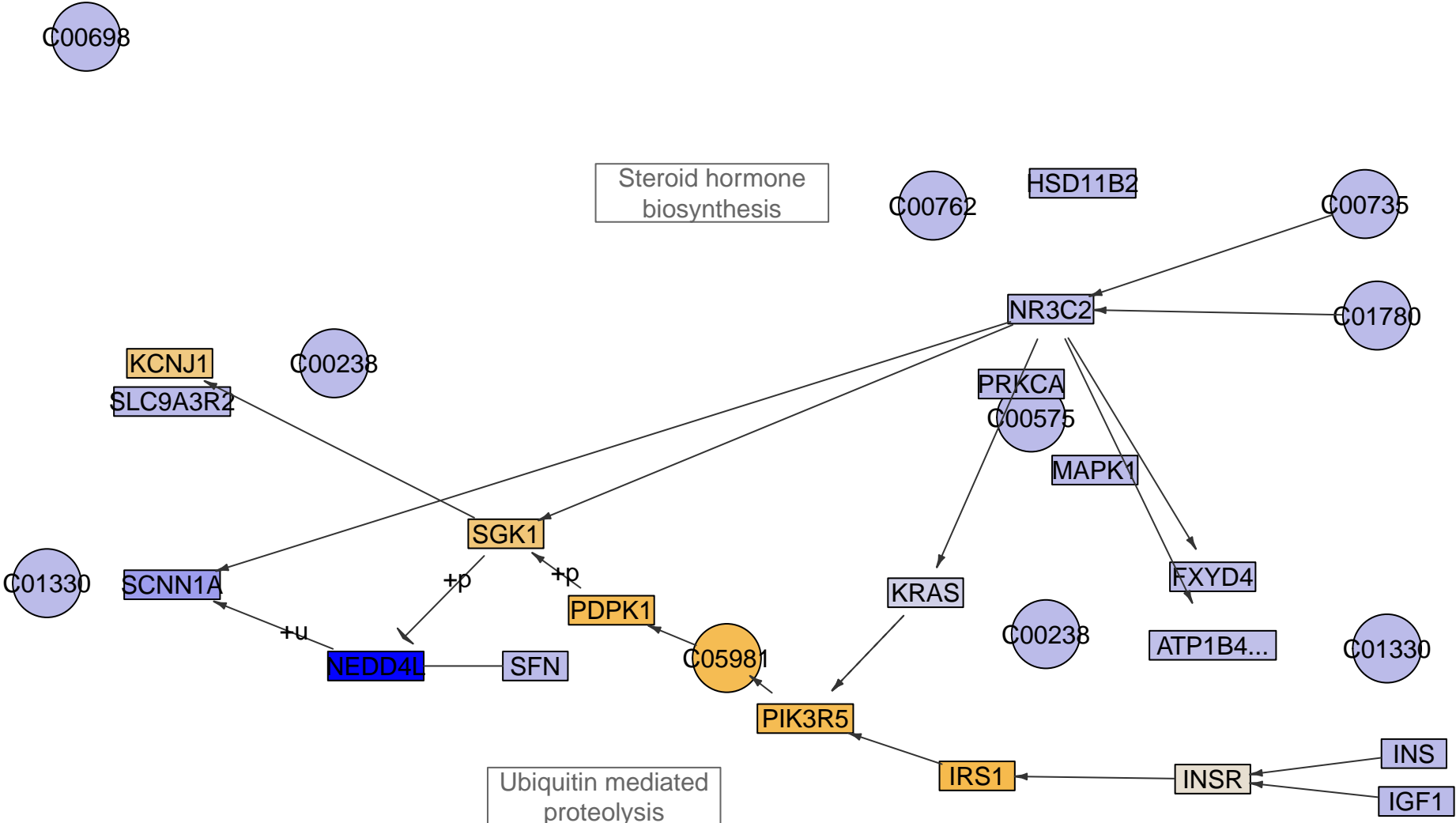
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-171

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

PIK3R5

ATP1B4...

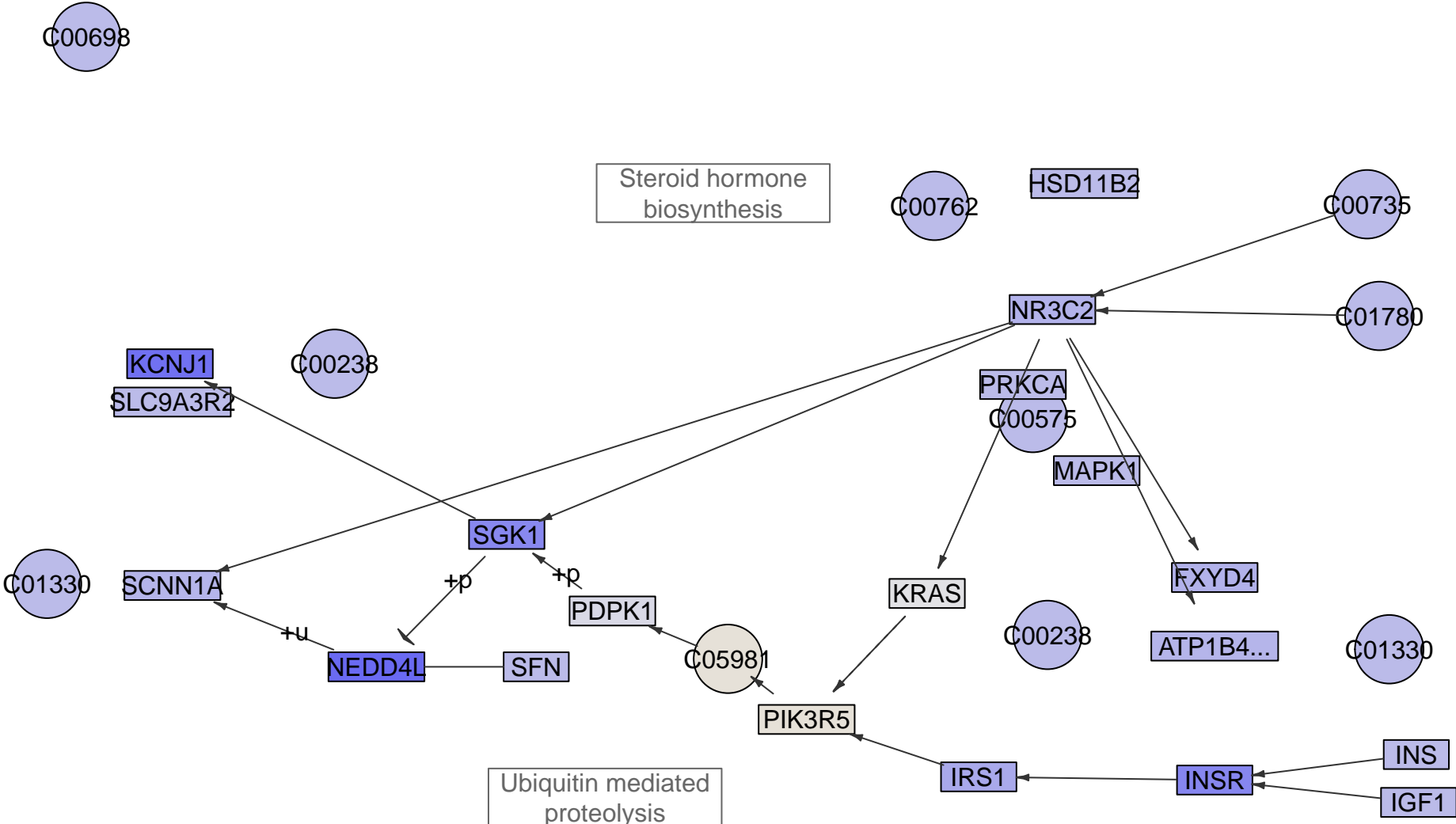
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-172

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

PIK3R5

ATP1B4...

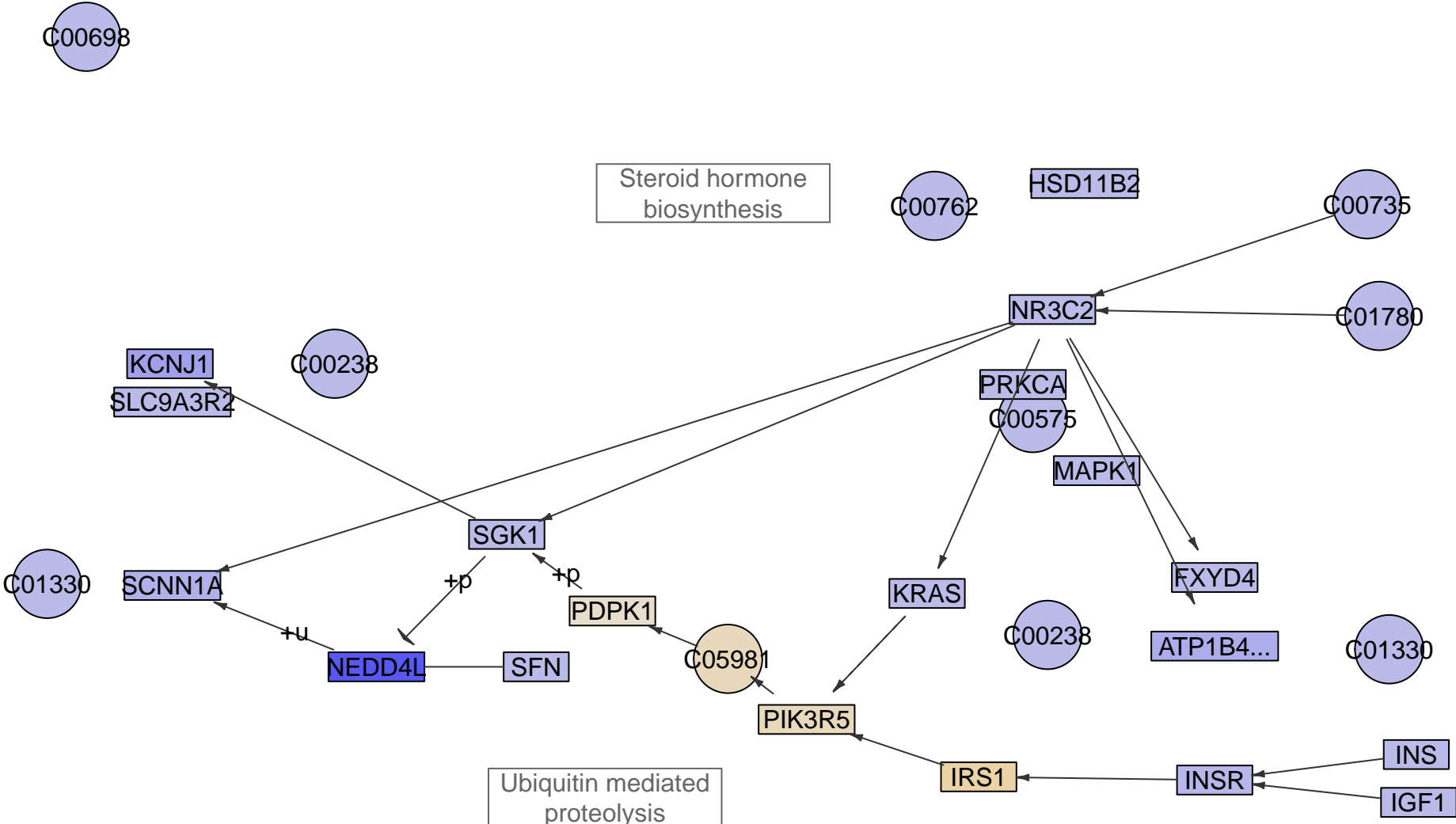
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-011

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+u

NEDD4L

SFN

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

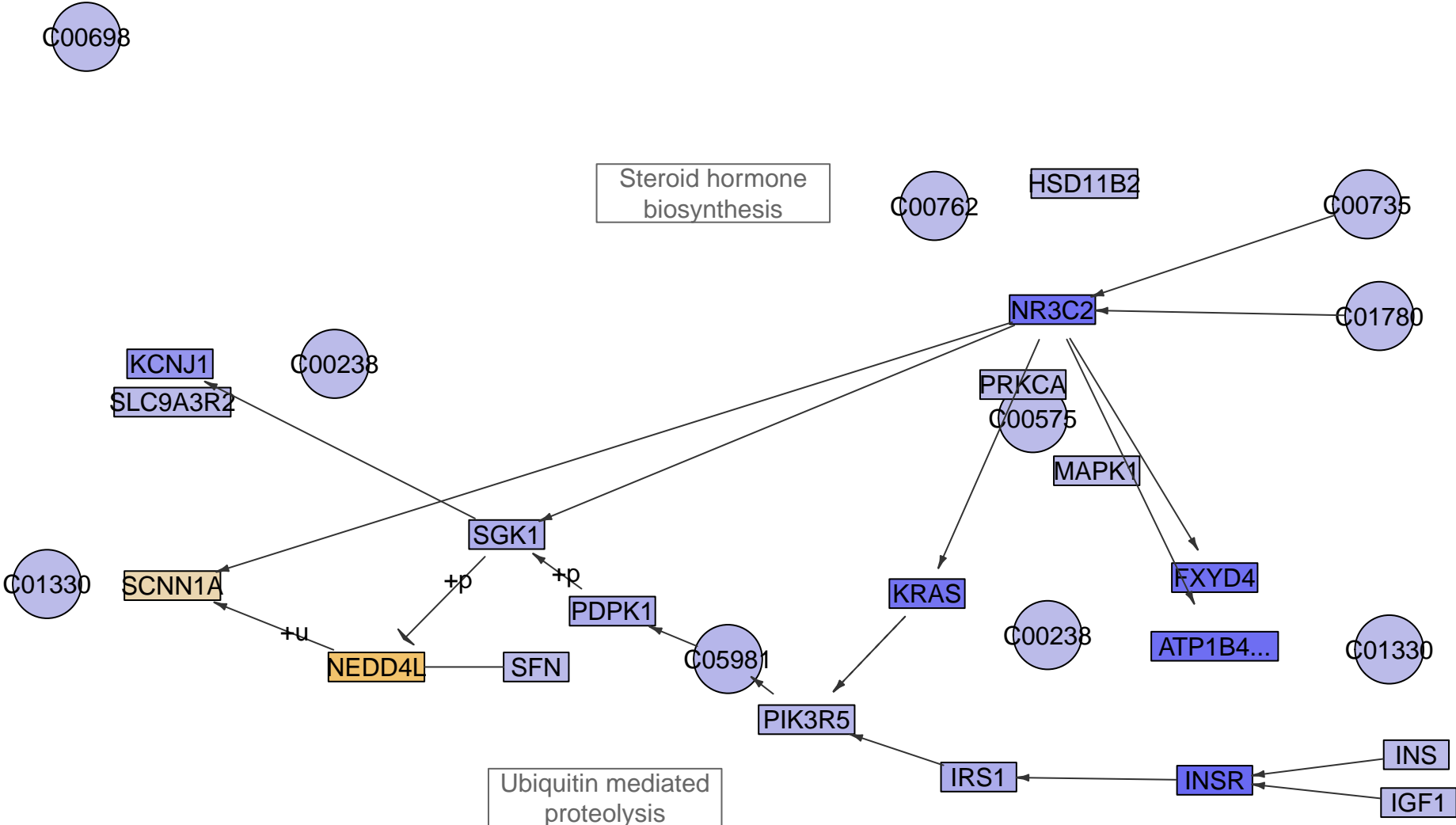
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-024

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

ATP1B4...

NEDD4L

SFN

+u

PIK3R5

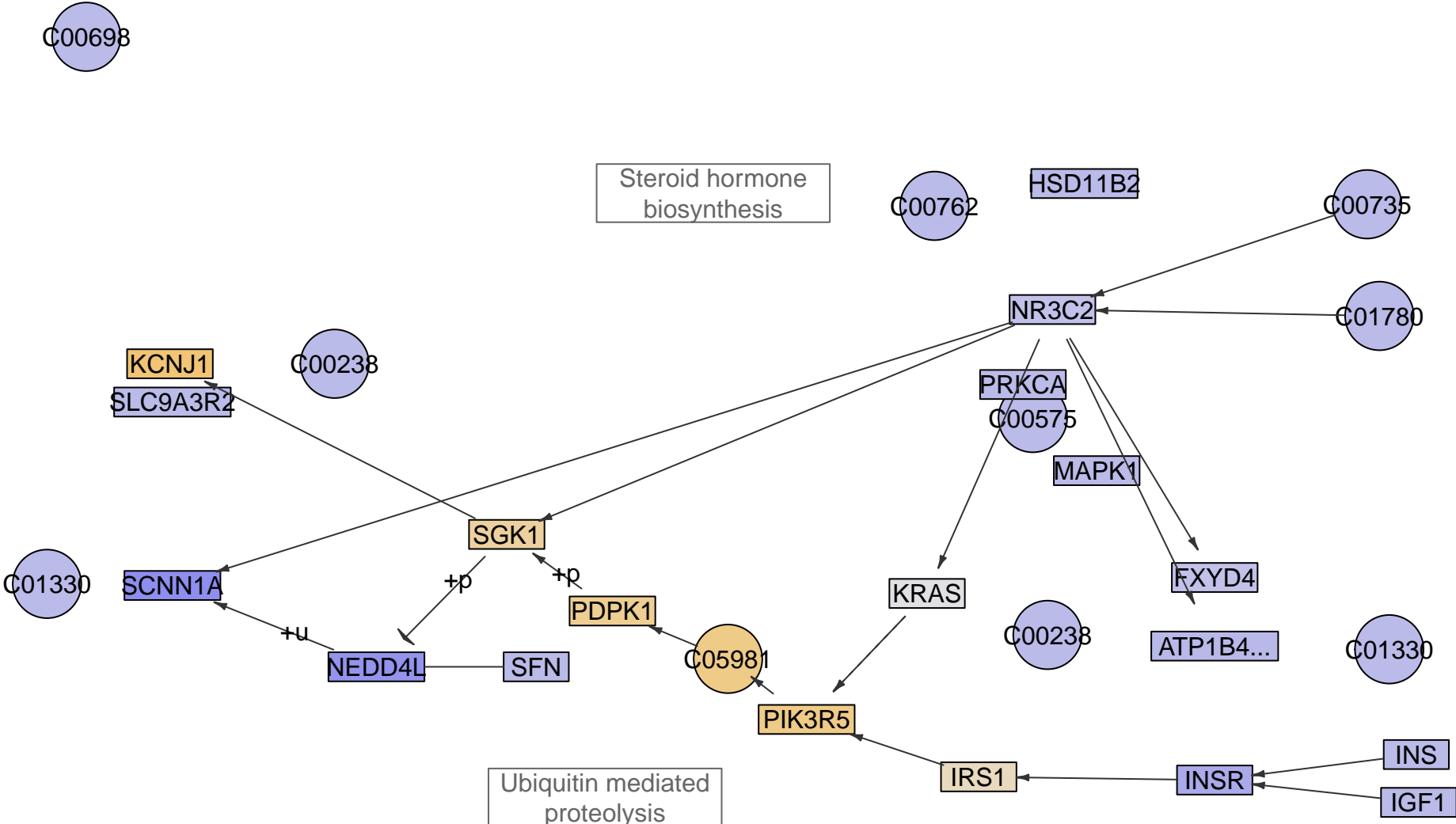
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-036

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

ATP1B4...

NEDD4L

SFN

+u

PIK3R5

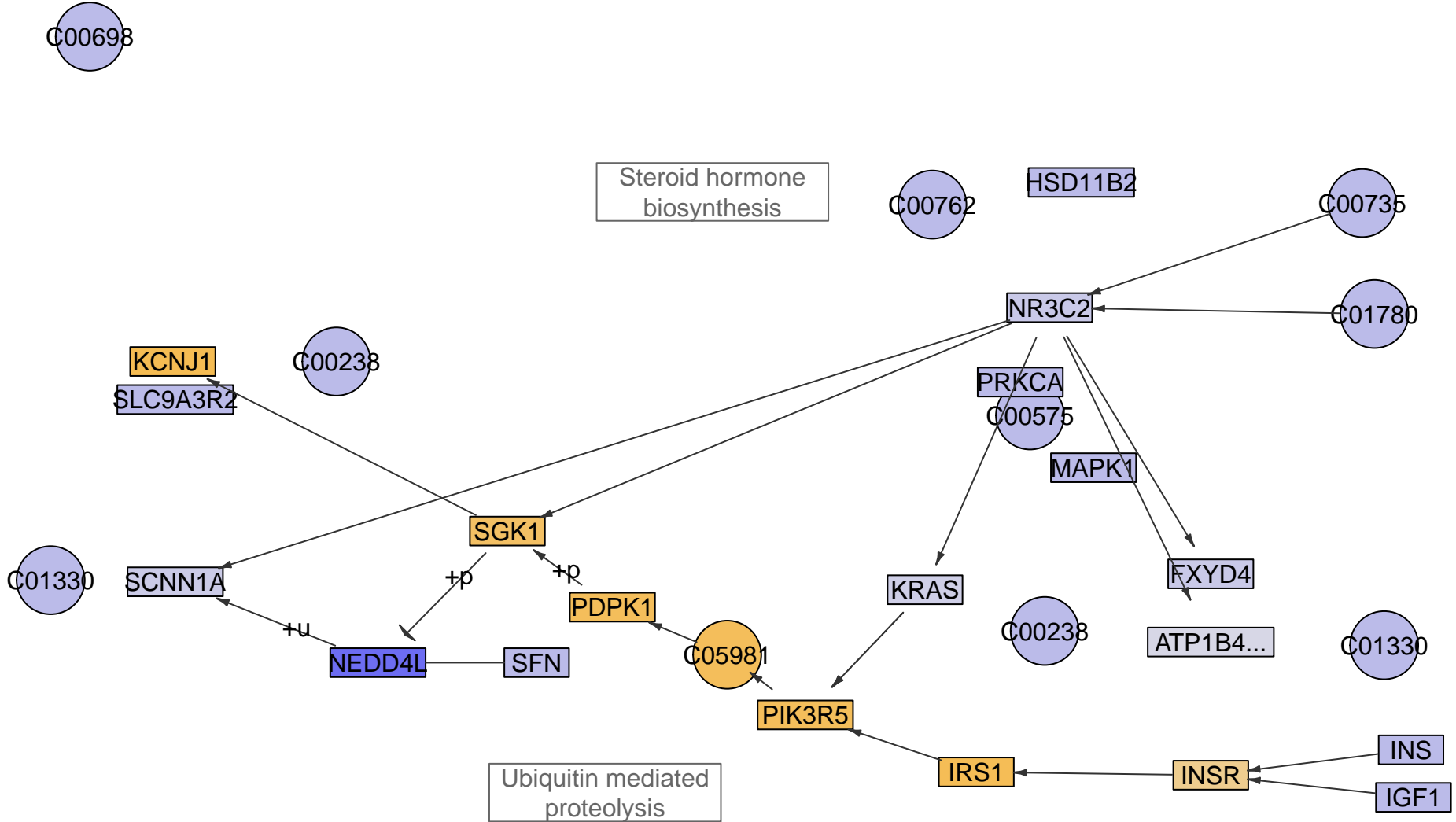
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-037

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

+p

Aldosterone-regulated sodium reabsorption
MPI-038

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

+p

+u

NEDD4L

SFN

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

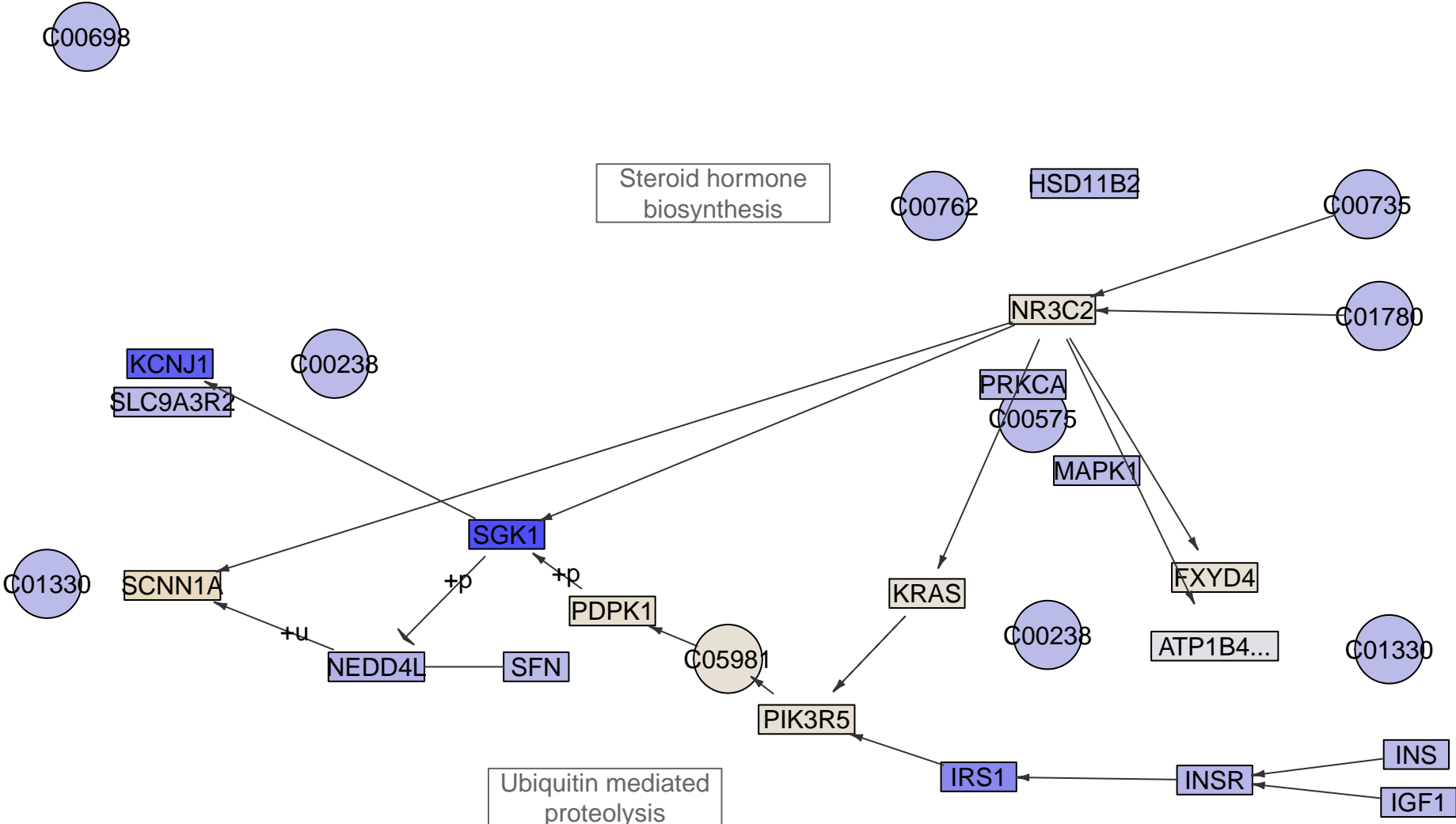
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-041

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

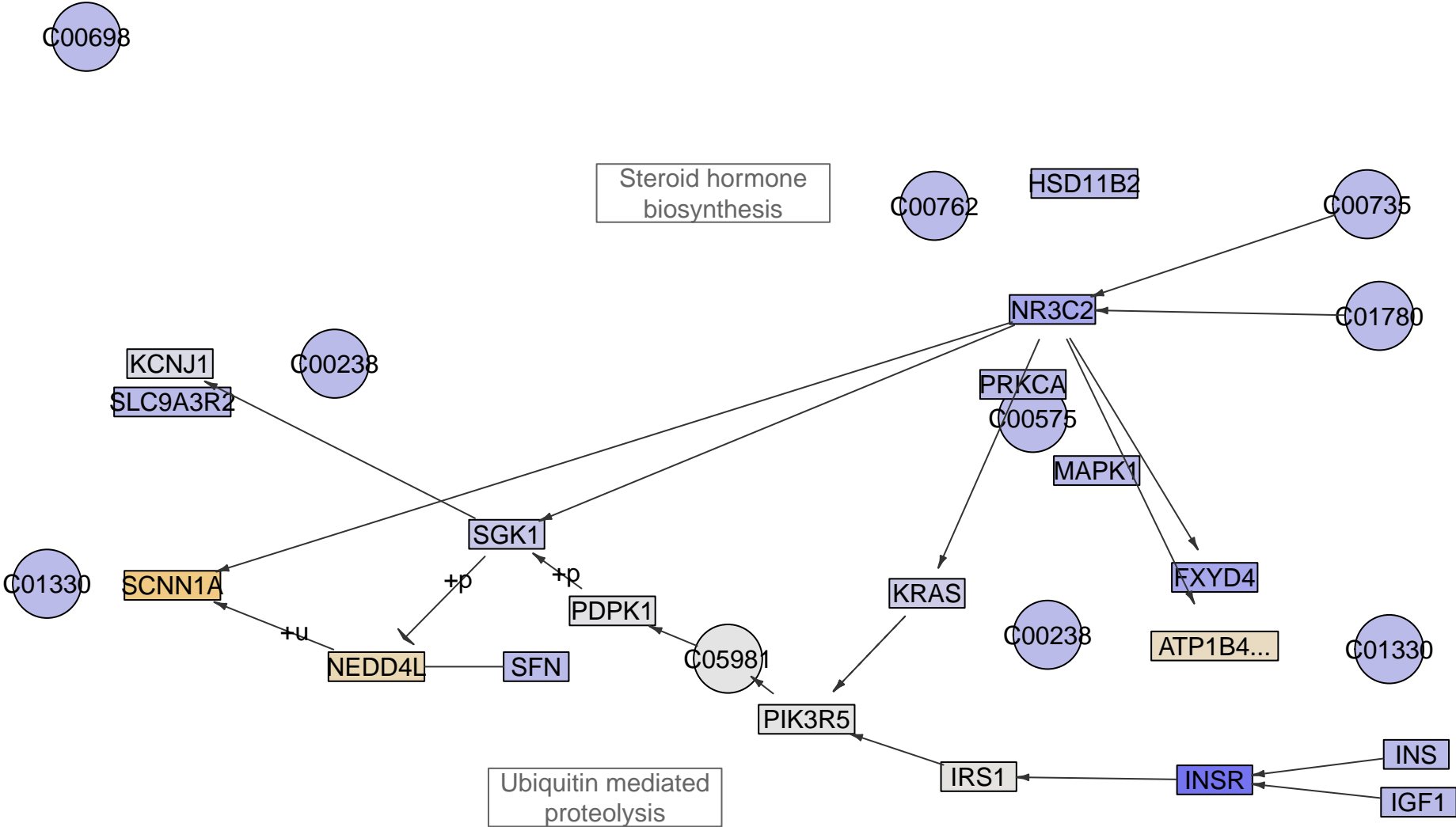
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-050

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

ATP1B4...

NEDD4L

SFN

PIK3R5

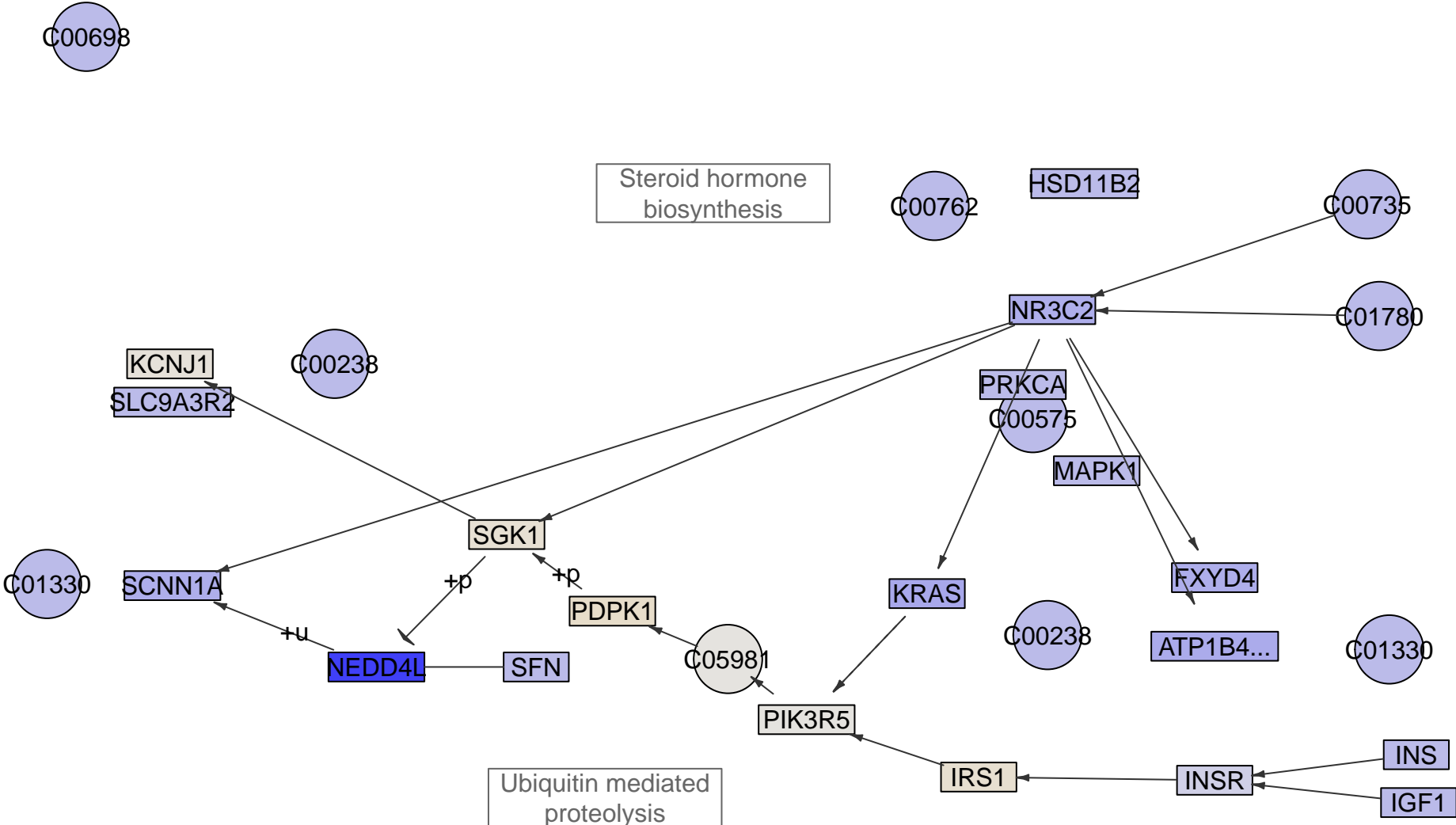
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-051

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

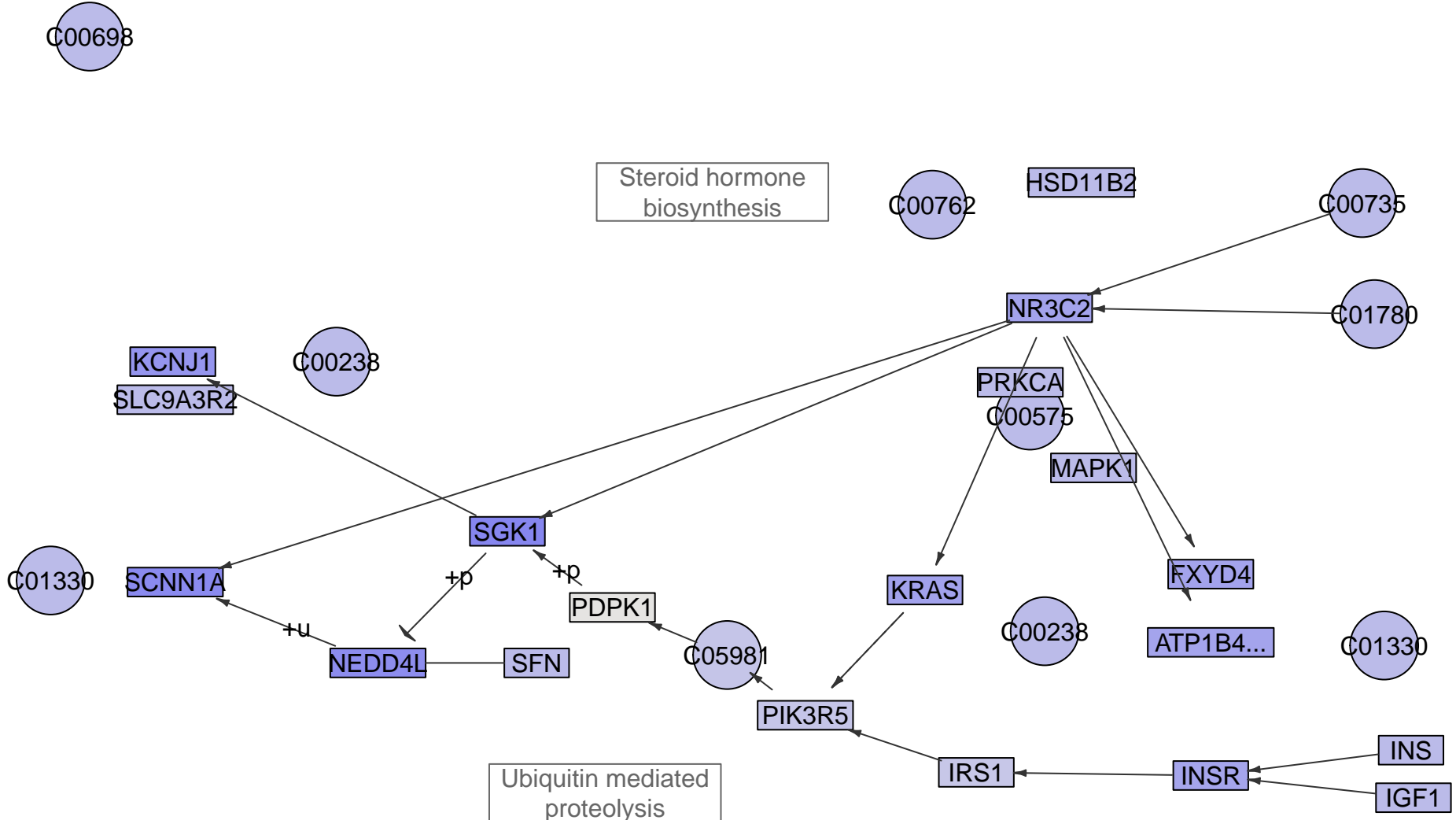
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-059

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

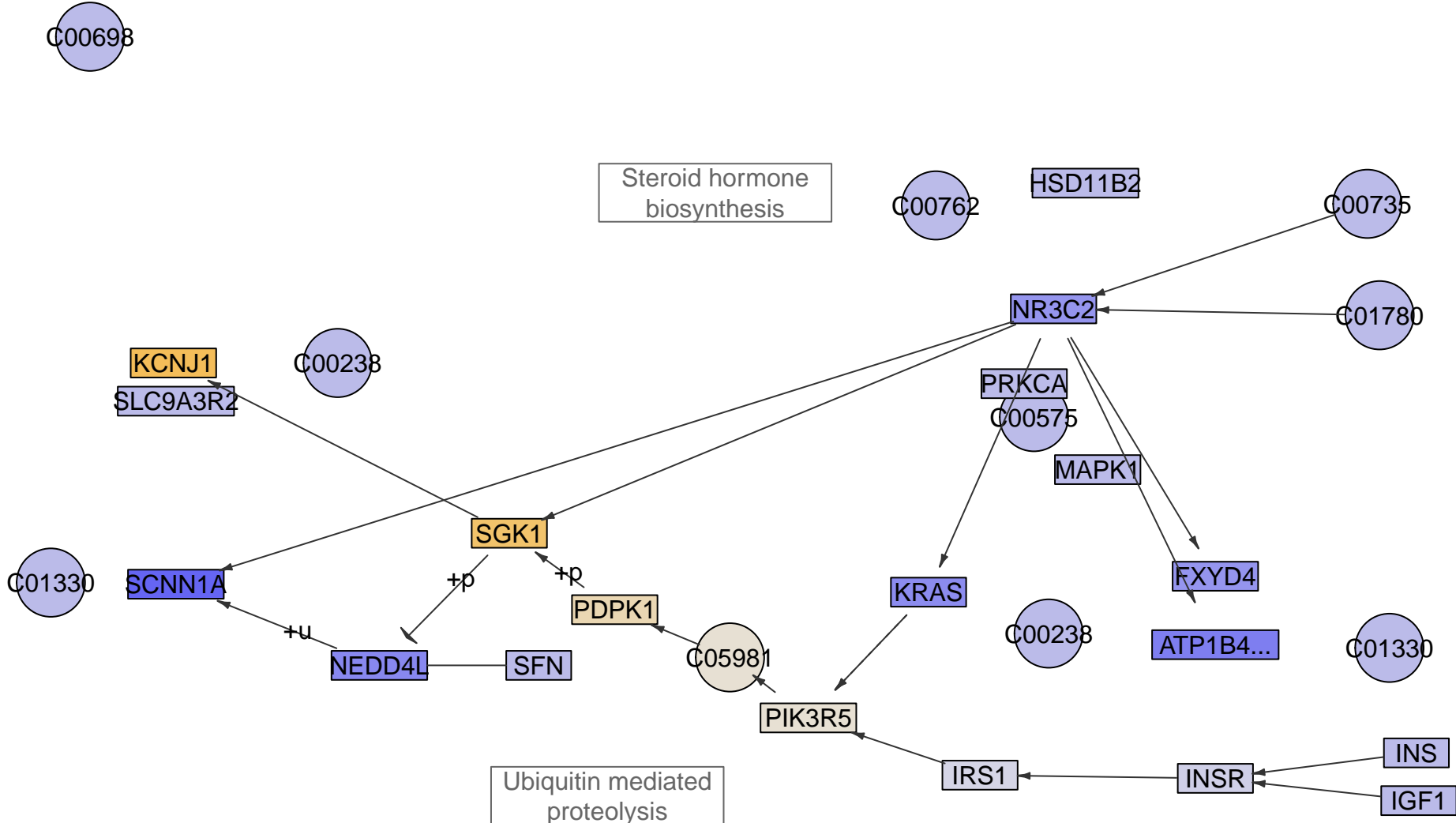
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-060

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

+p

+u

NEDD4L

SFN

C05981

PIK3R5

KRAS

C00238

ATP1B4...

C01330

FXYP4

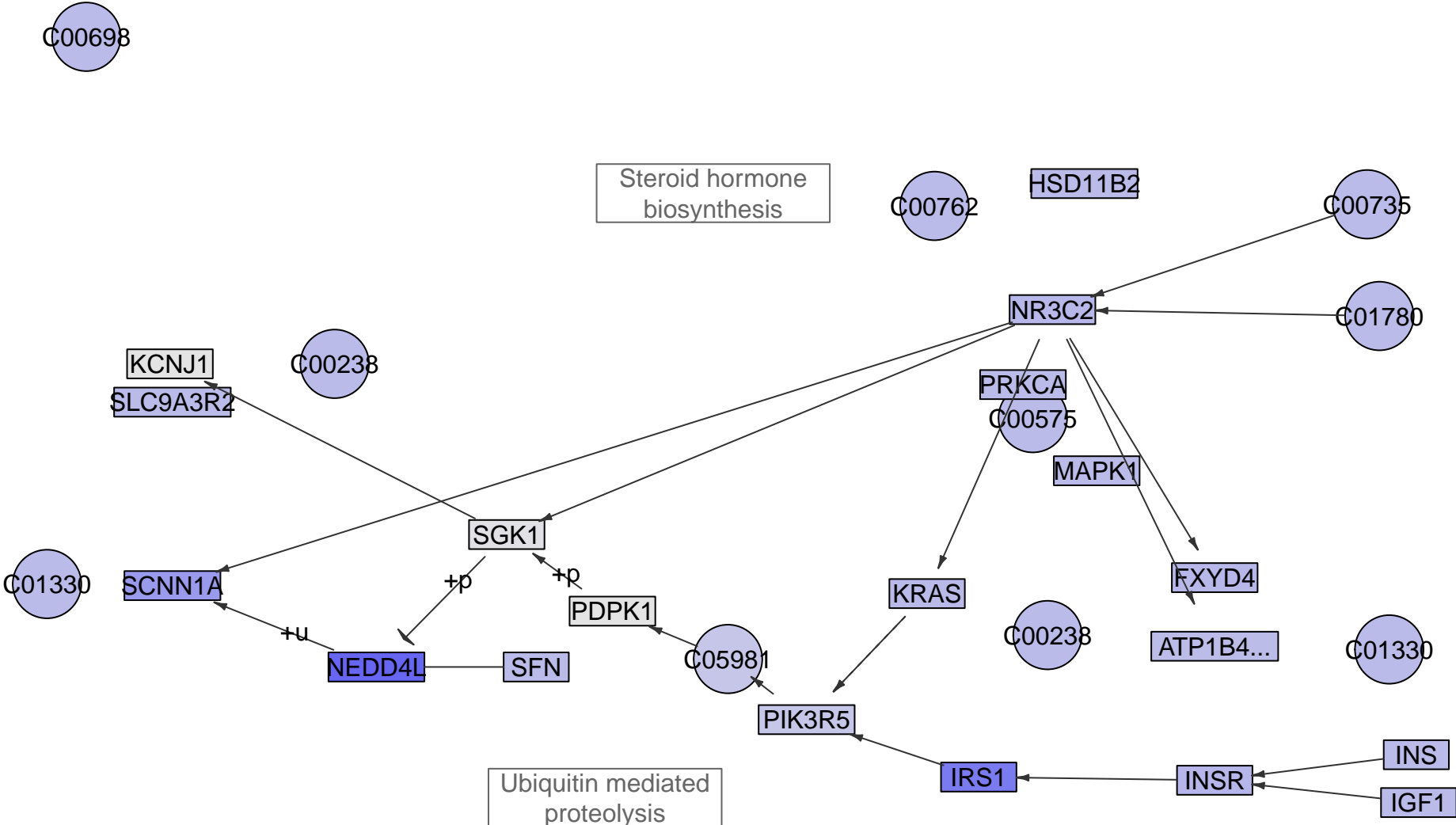
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-061

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

+p

Aldosterone-regulated sodium reabsorption
MPI-064

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

+u

NEDD4L

SFN

PIK3R5

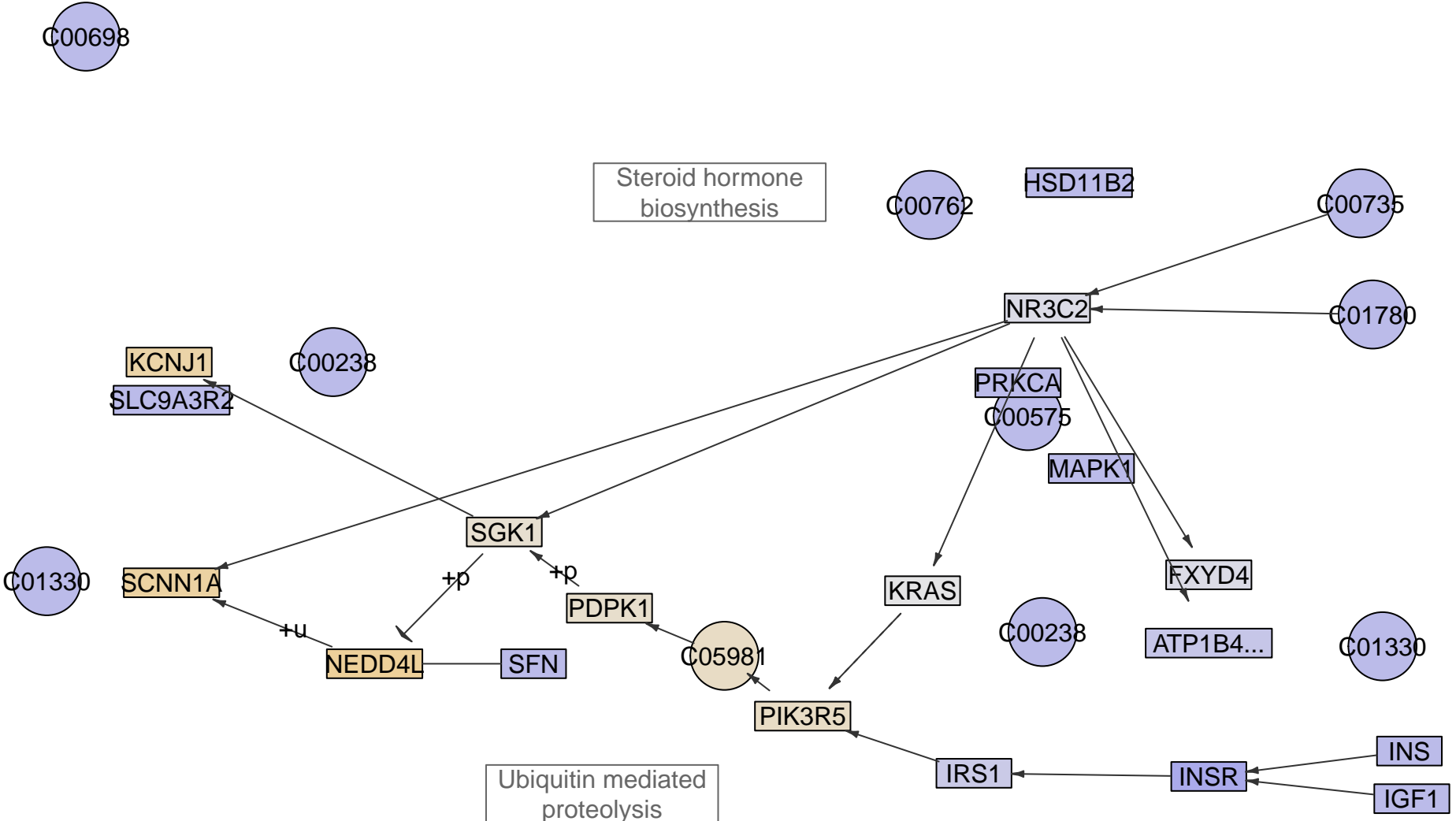
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-070

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

+u

NEDD4L

SFN

PIK3R5

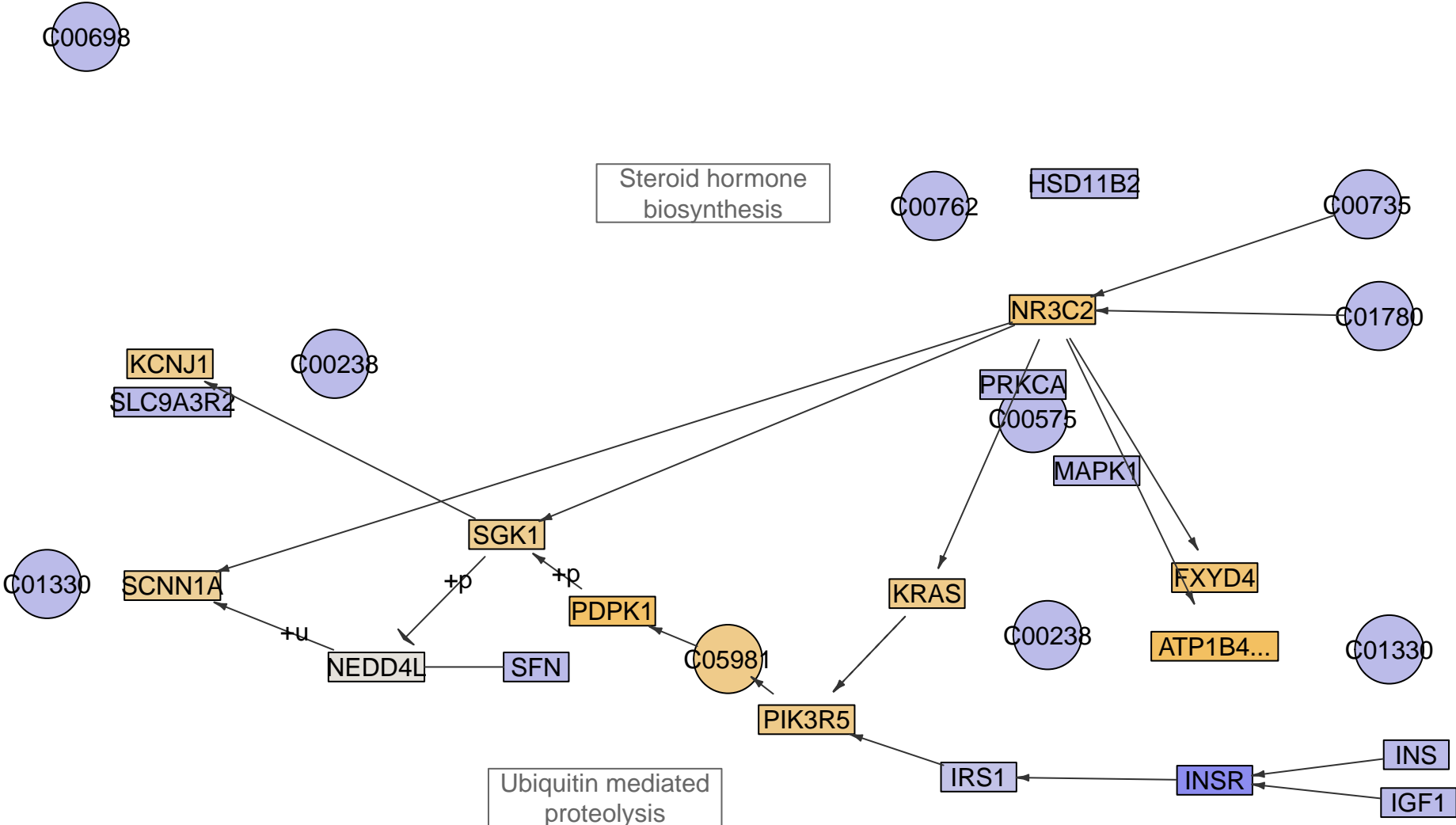
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-093

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

ATP1B4...

NEDD4L

SFN

PIK3R5

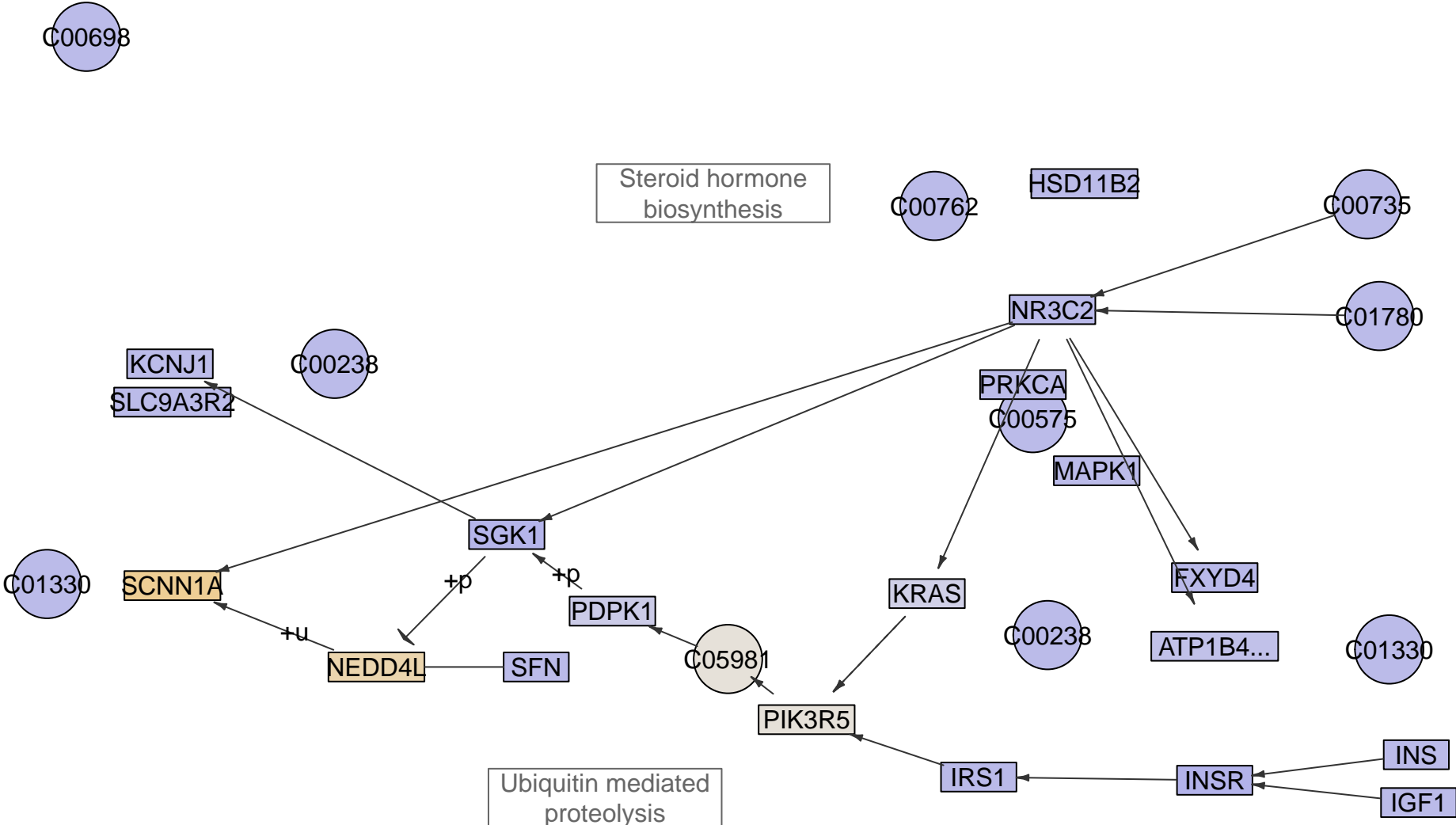
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-094

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

+p

Aldosterone-regulated sodium reabsorption
MPI-099

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

PIK3R5

ATP1B4...

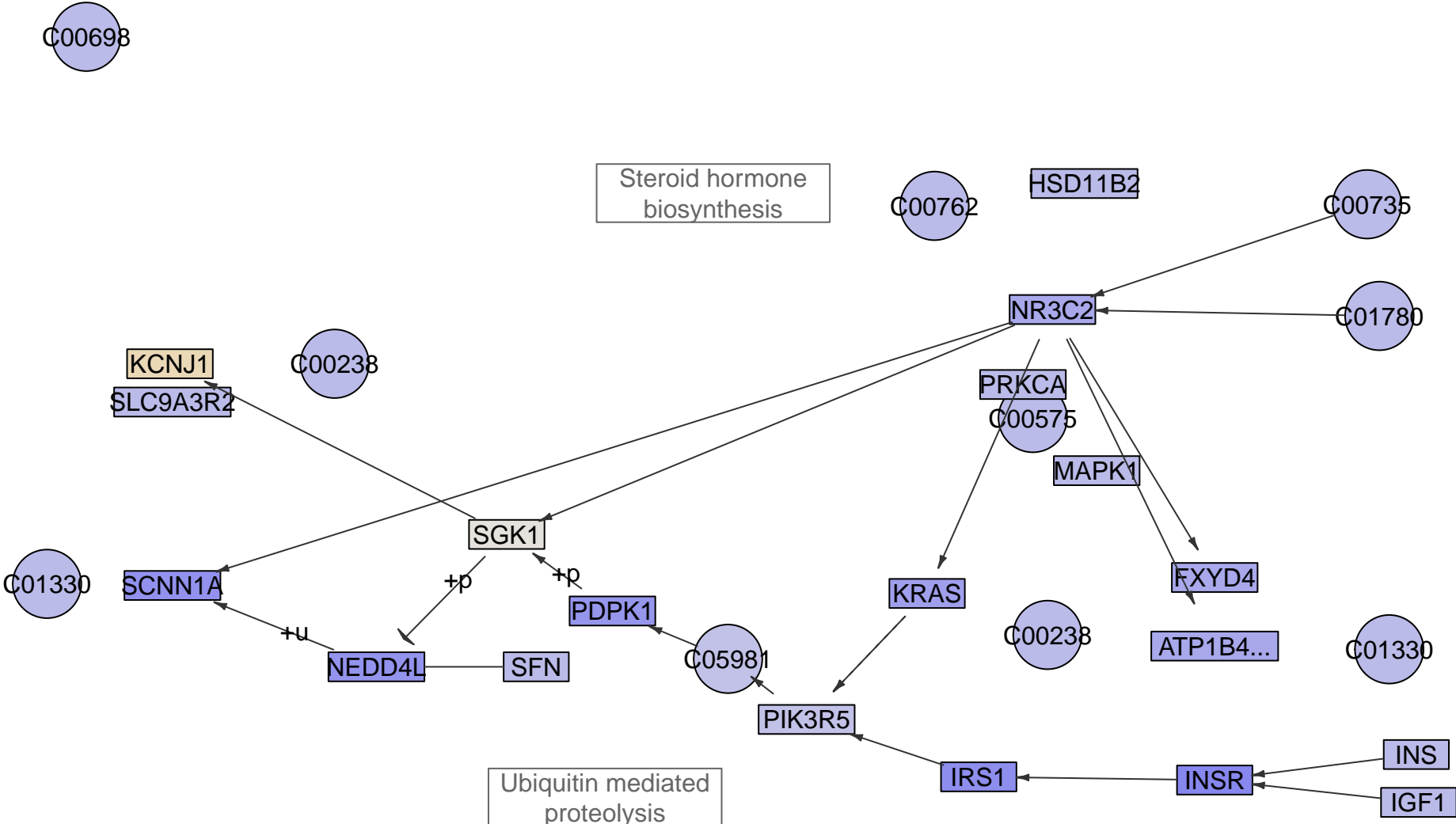
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-104

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

+p

KRAS

C00238

FXRD4

+u

NEDD4L

SFN

C05981

PIK3R5

ATP1B4...

C01330

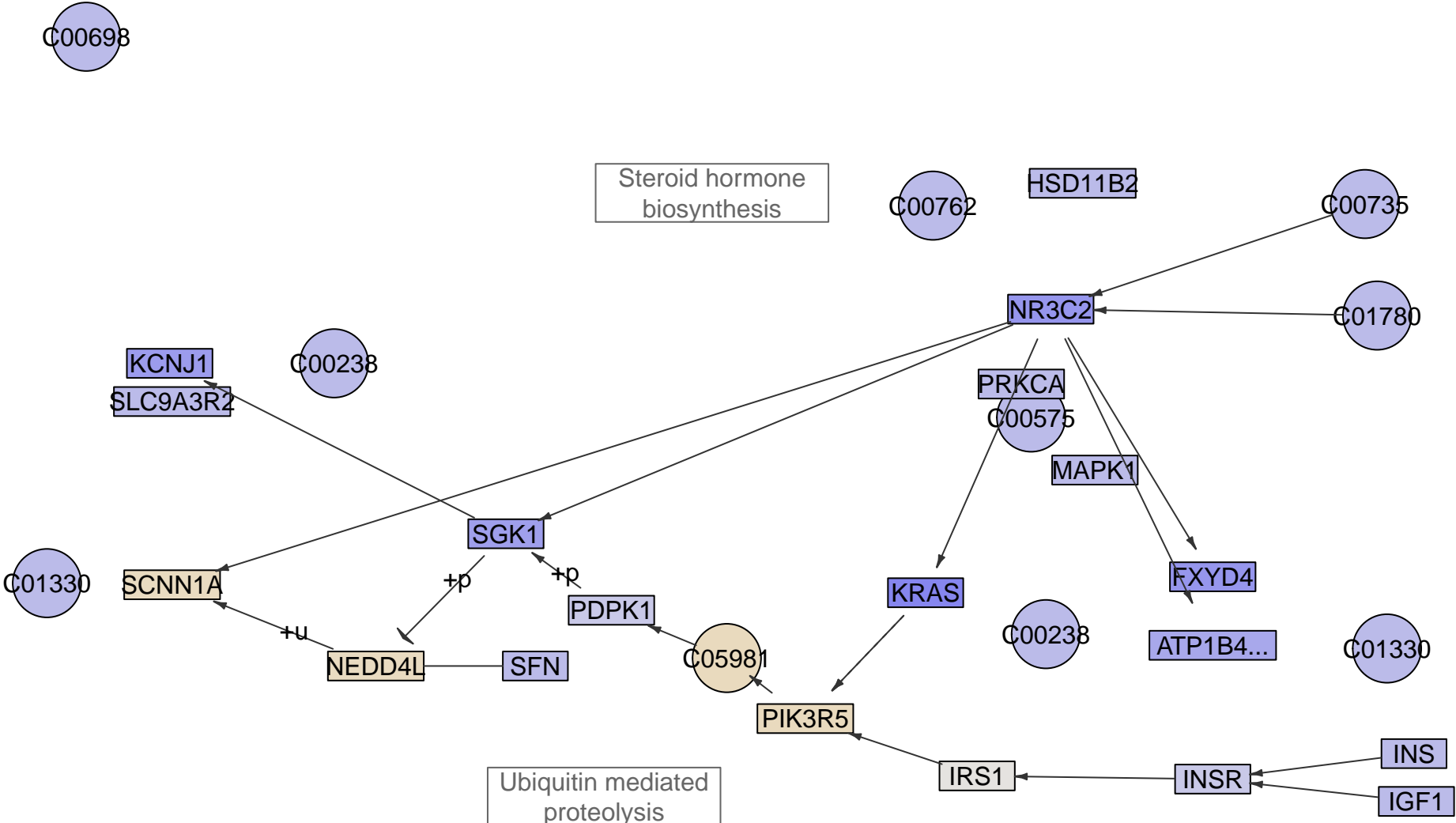
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-107

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

+p

NEDD4L

SFN

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

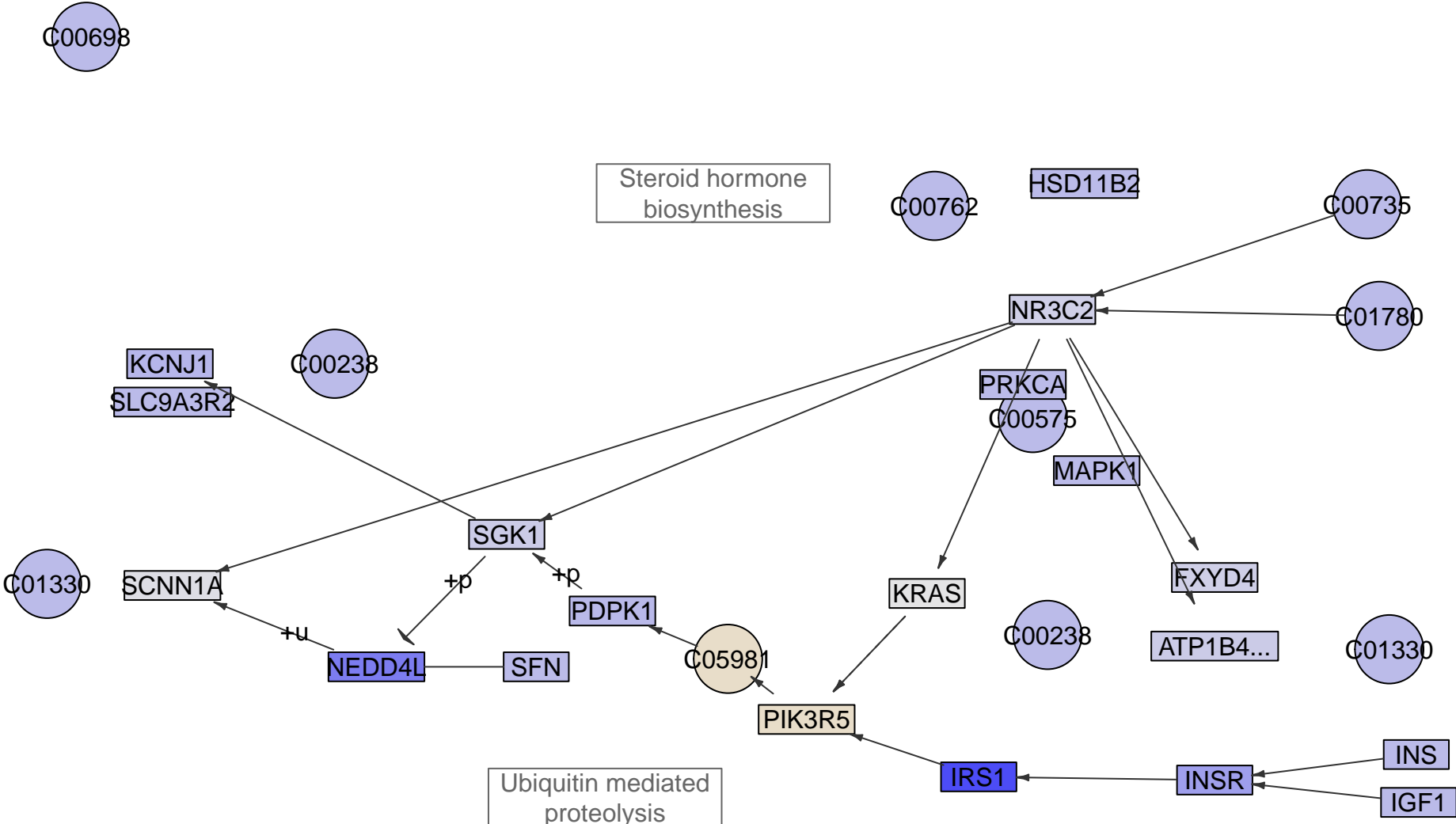
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-117

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

SFN

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

+u

PIK3R5

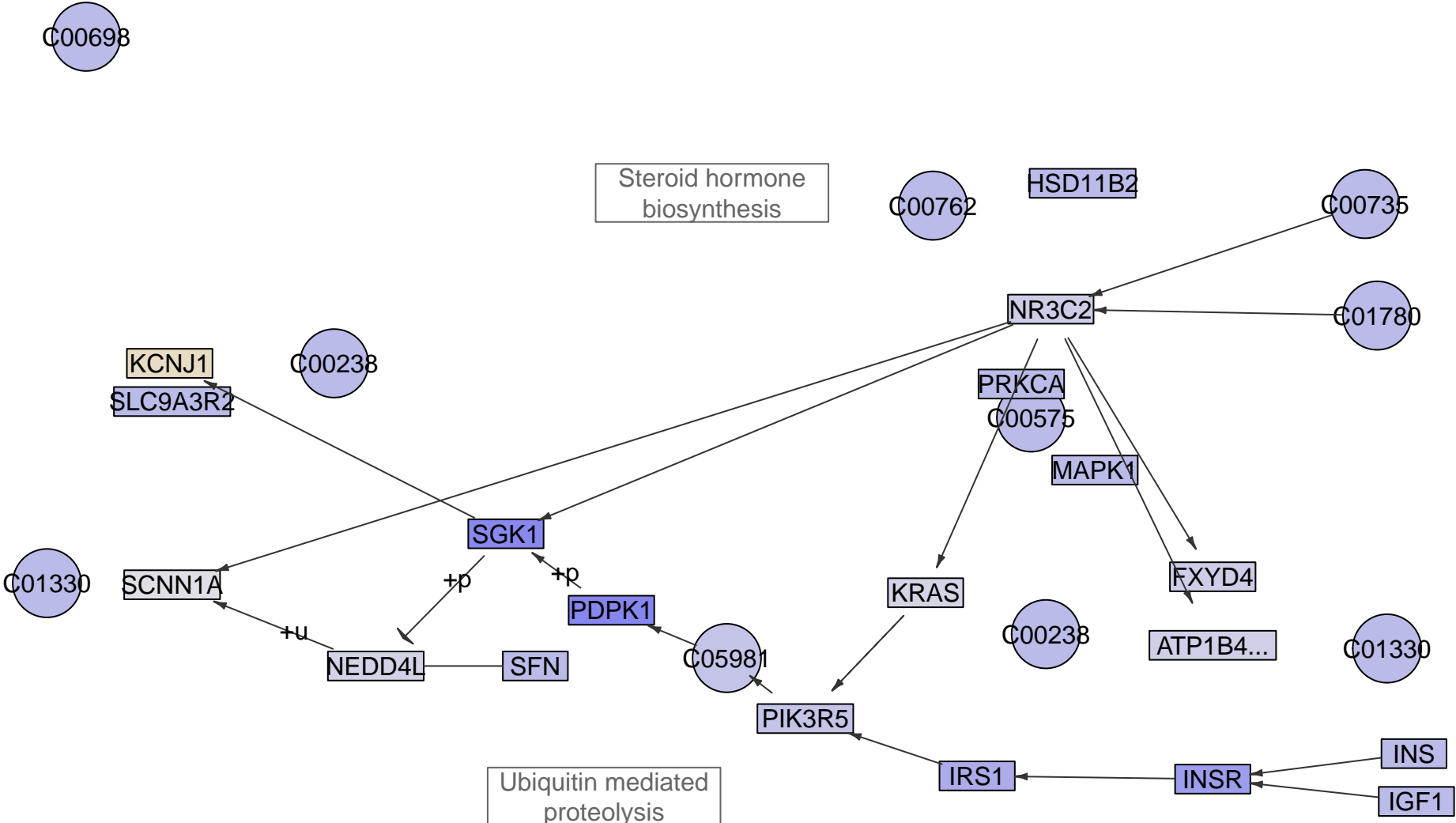
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-120

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

+p

NEDD4L

SFN

C05981

KRAS

C00238

ATP1B4...

C01330

FXYP4

PIK3R5

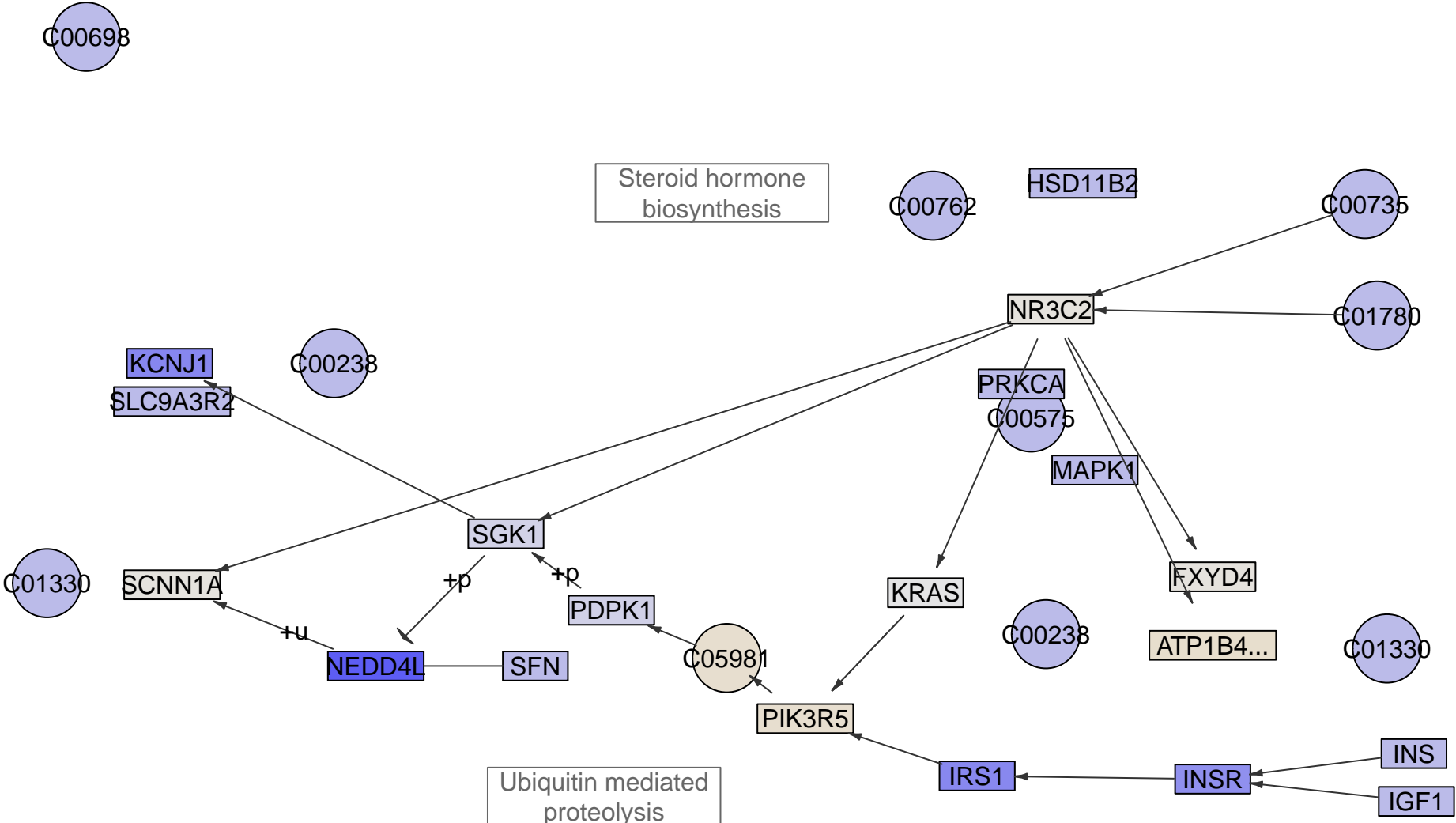
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-124

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

+u

NEDD4L

SFN

ATP1B4...

PIK3R5

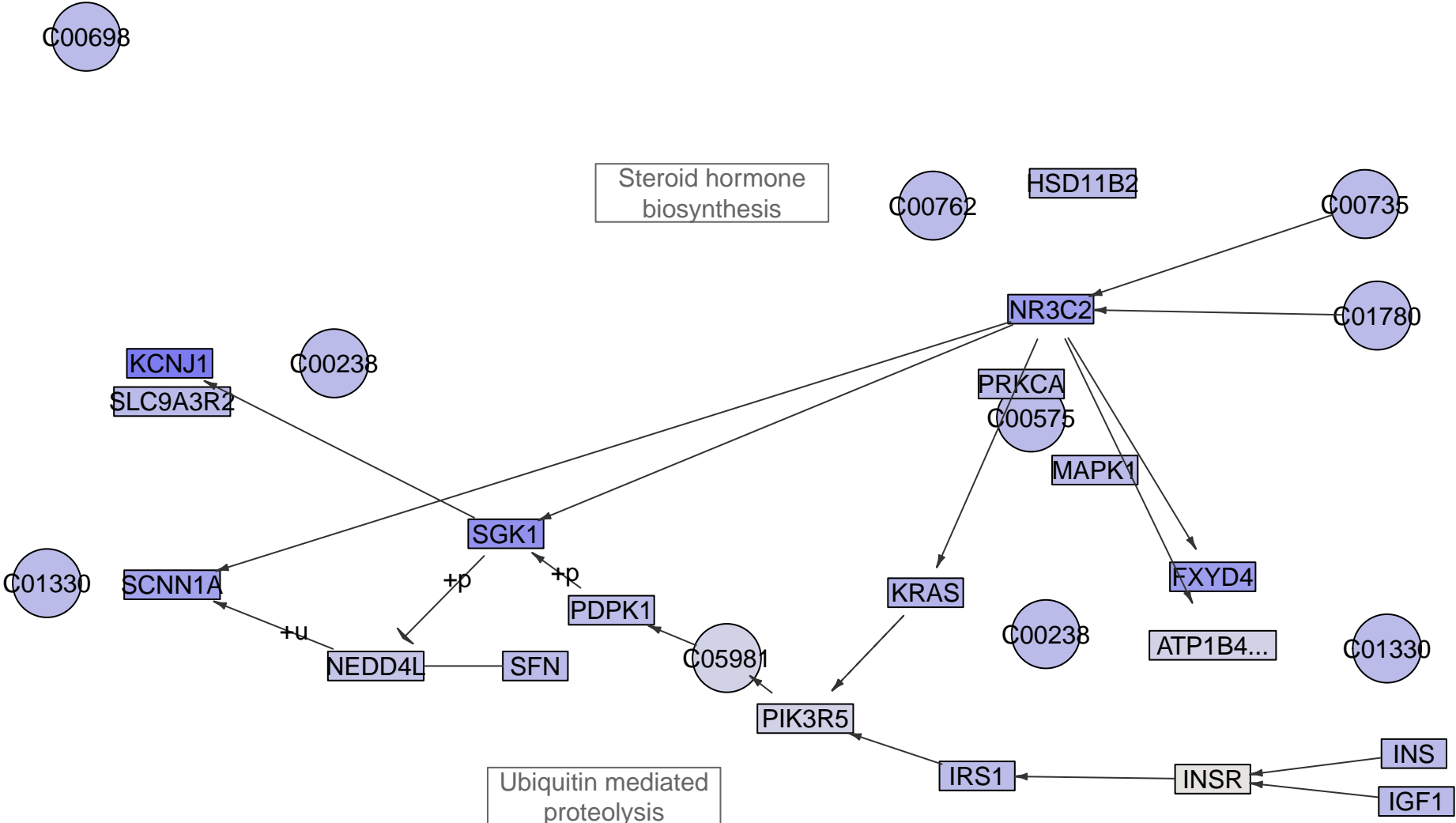
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-126

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

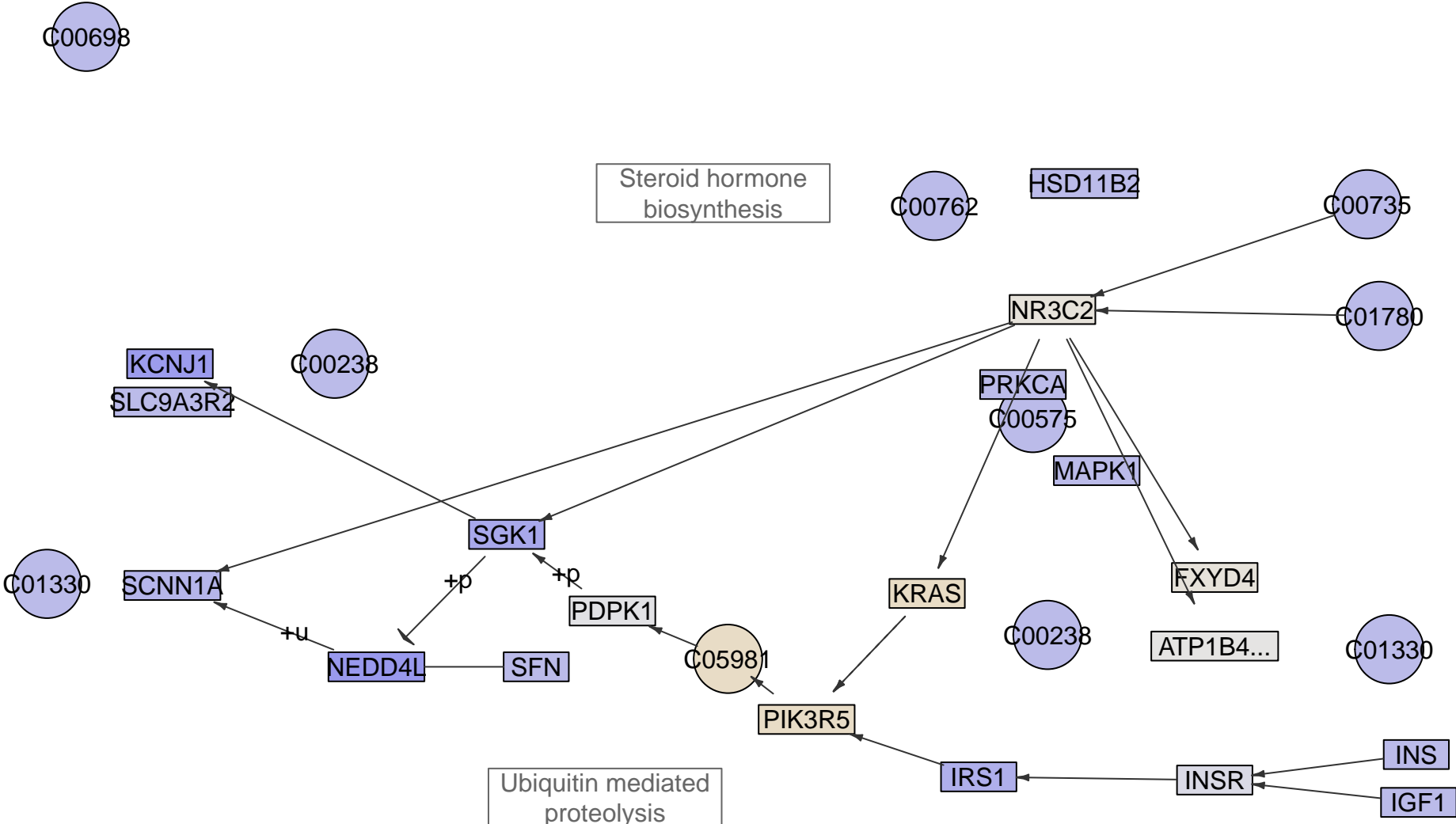
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-143

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

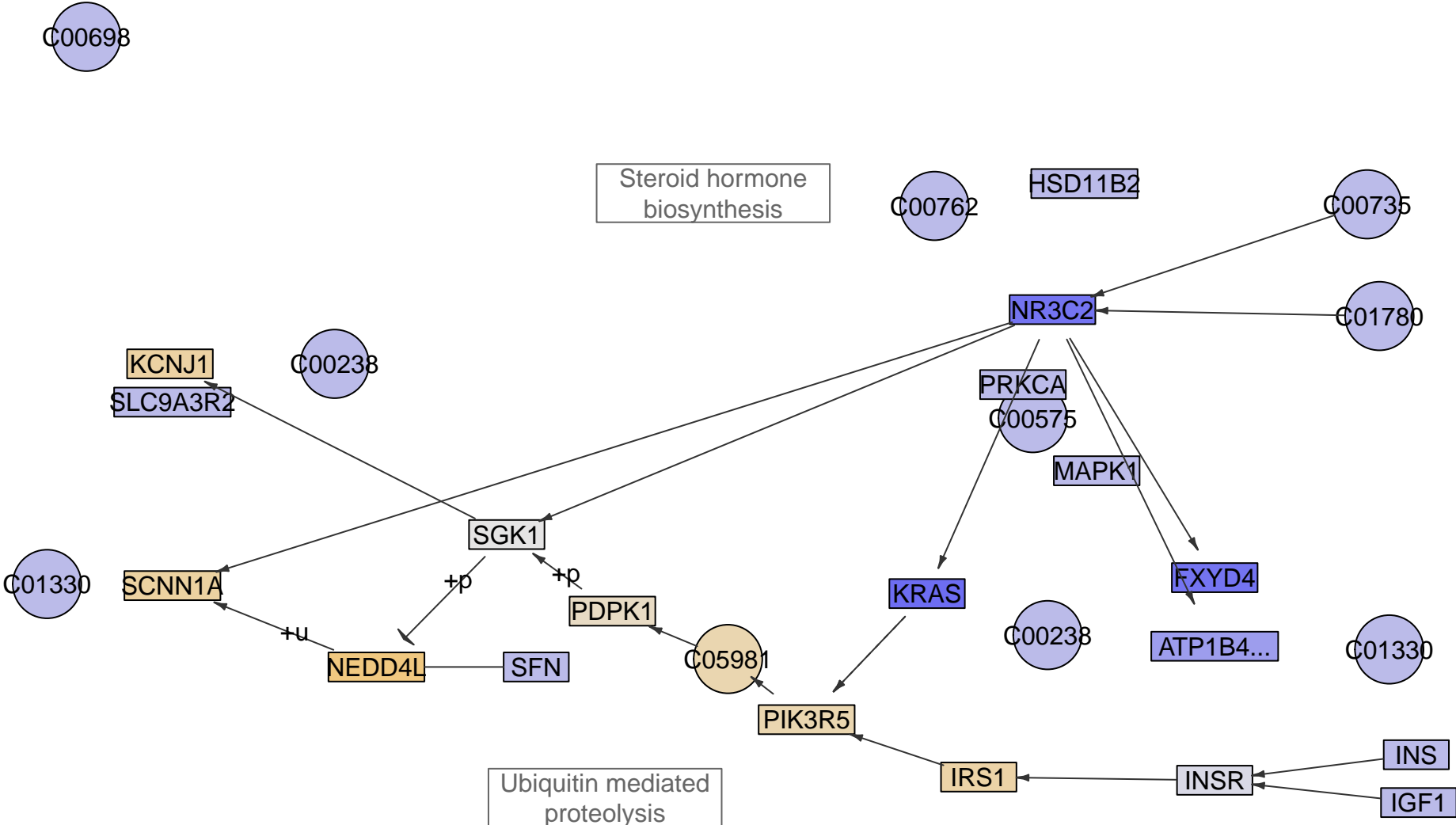
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-148

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

SGK1

PRKCA

C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

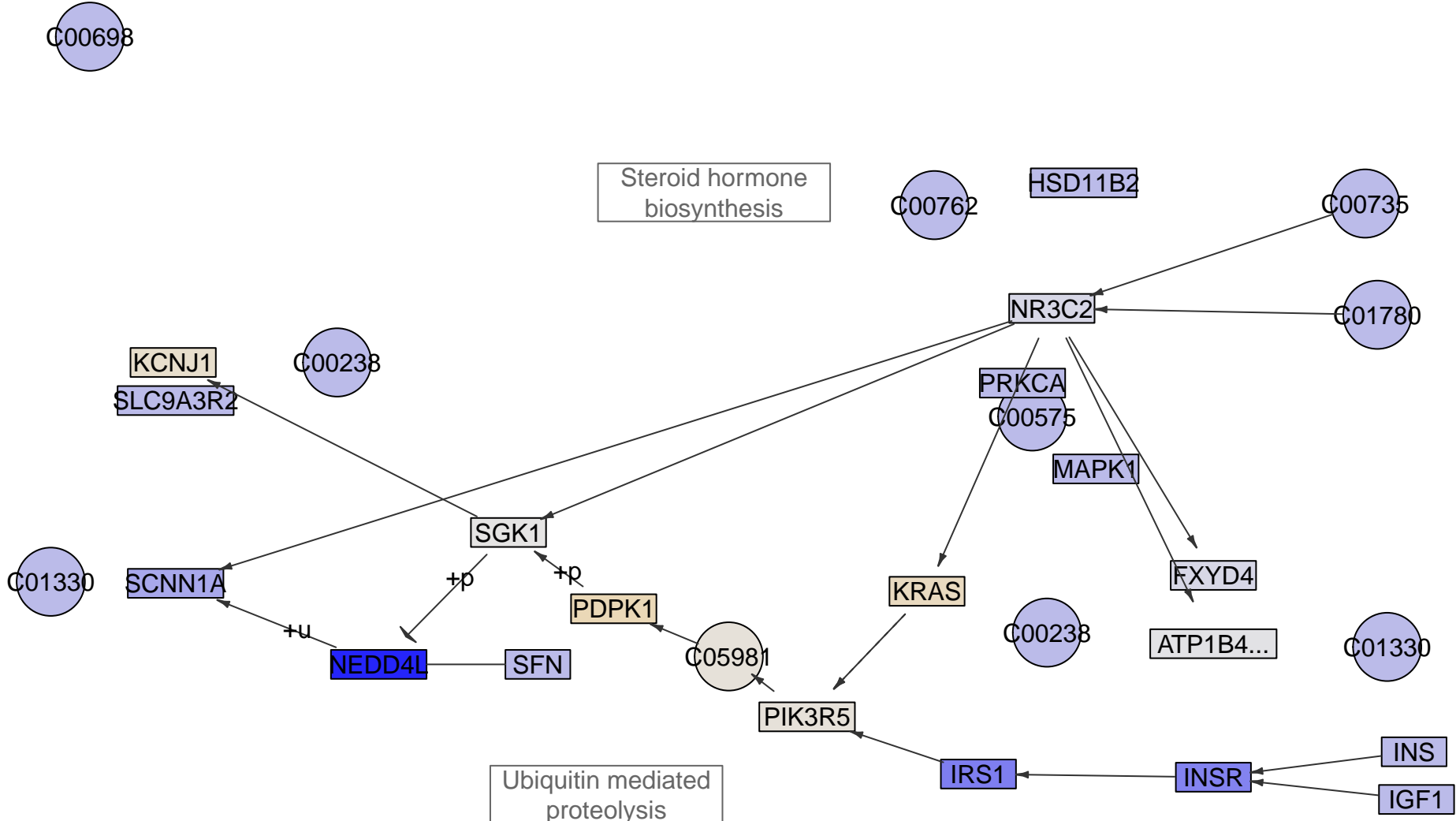
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-161

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXJD4

ATP1B4...

C01330

+u

NEDD4L

SFN

PIK3R5

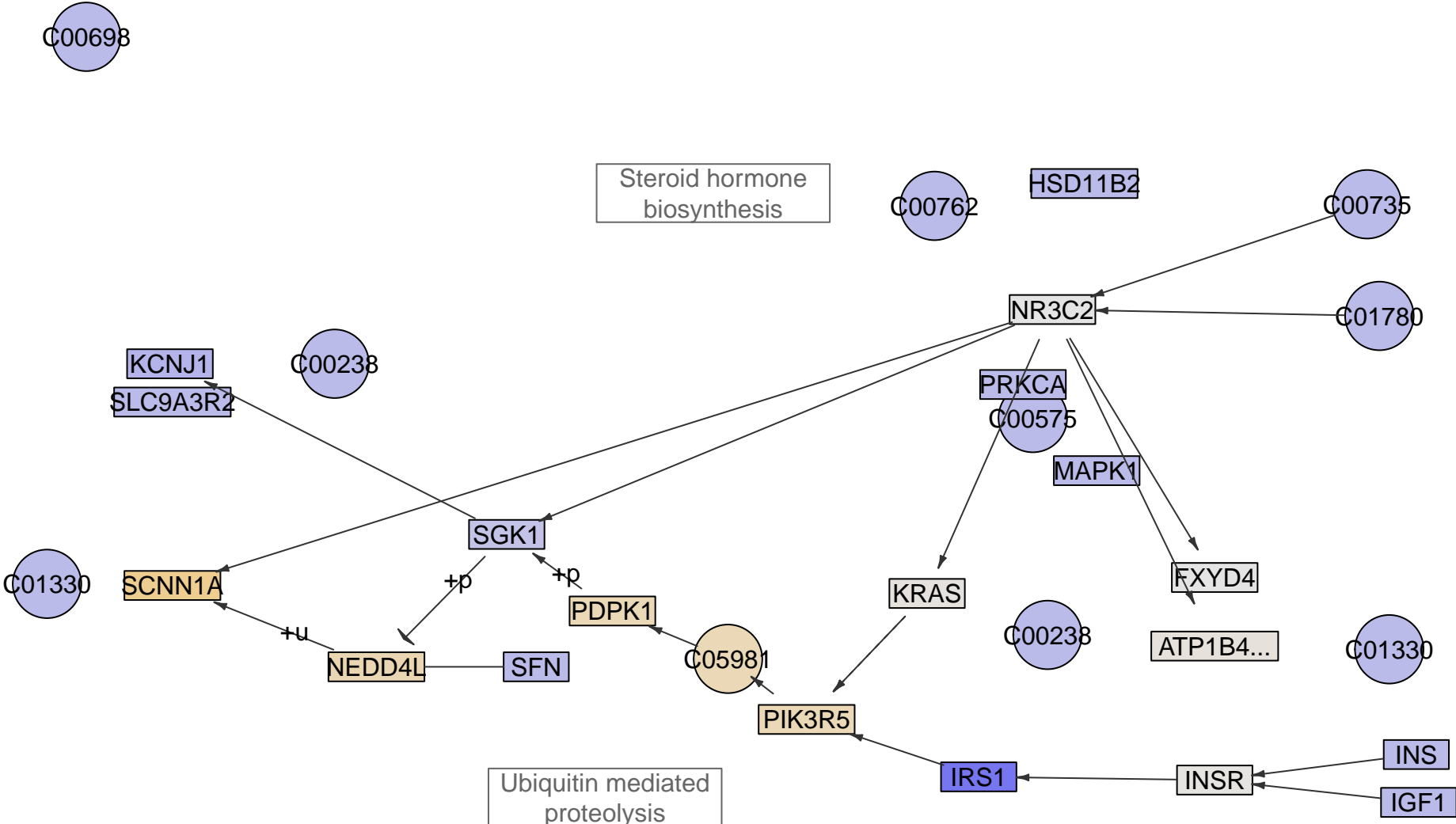
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-162

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

PIK3R5

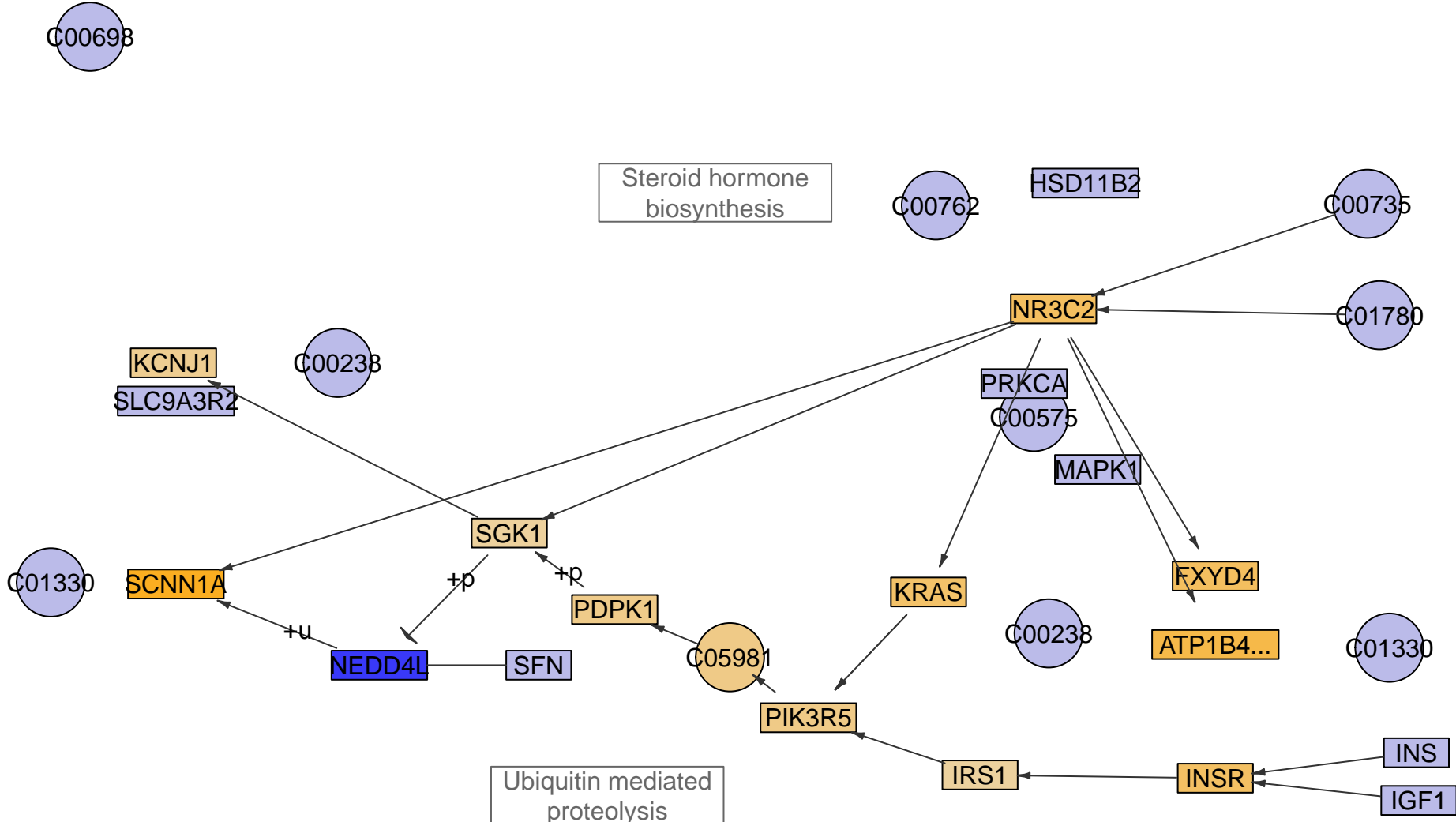
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-165

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

+p

Aldosterone-regulated sodium reabsorption
MPI-169

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

+p

KRAS

C00238

FXYP4

+u

NEDD4L

SFN

C05981

PIK3R5

ATP1B4...

C01330

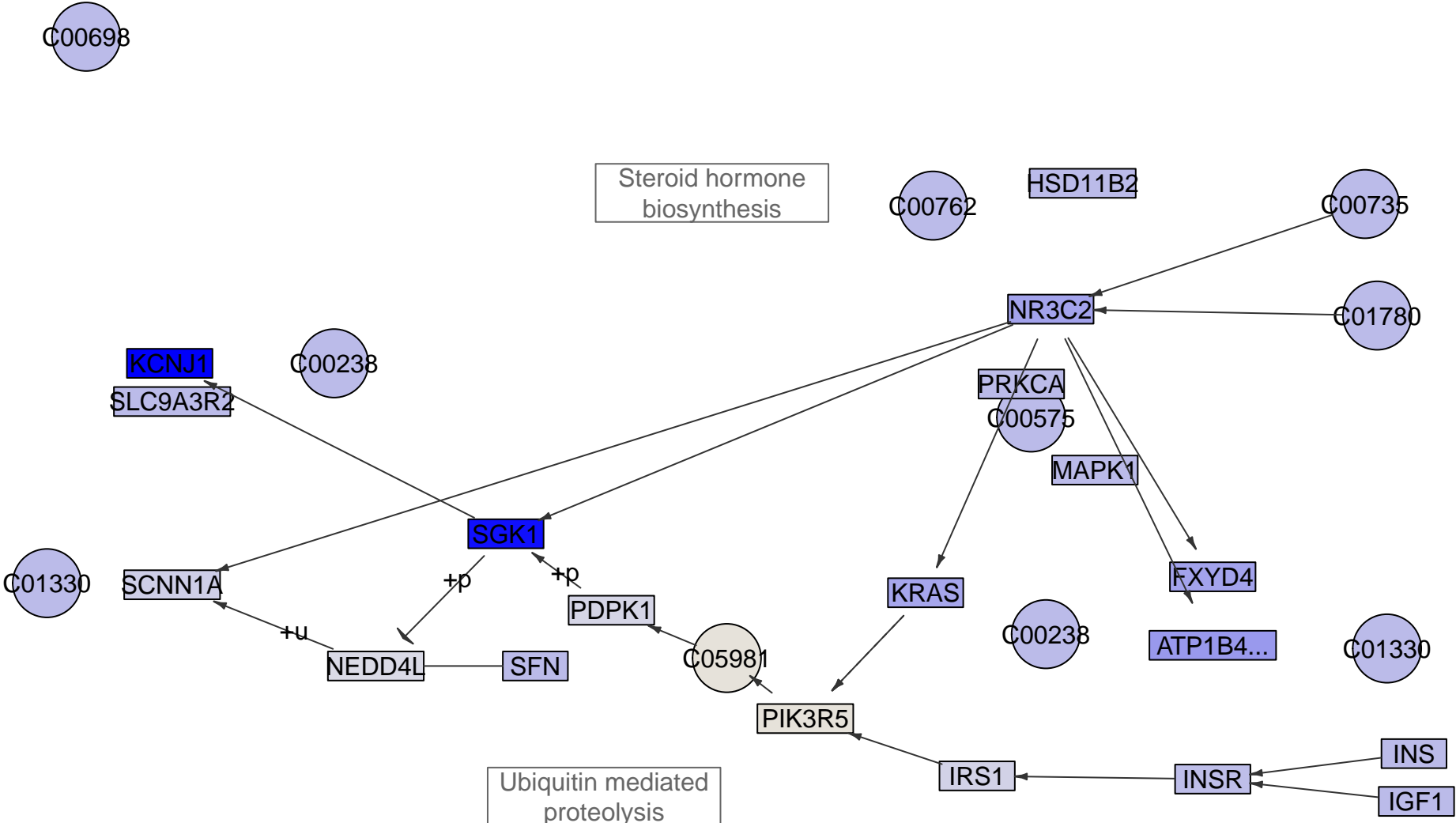
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-187

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

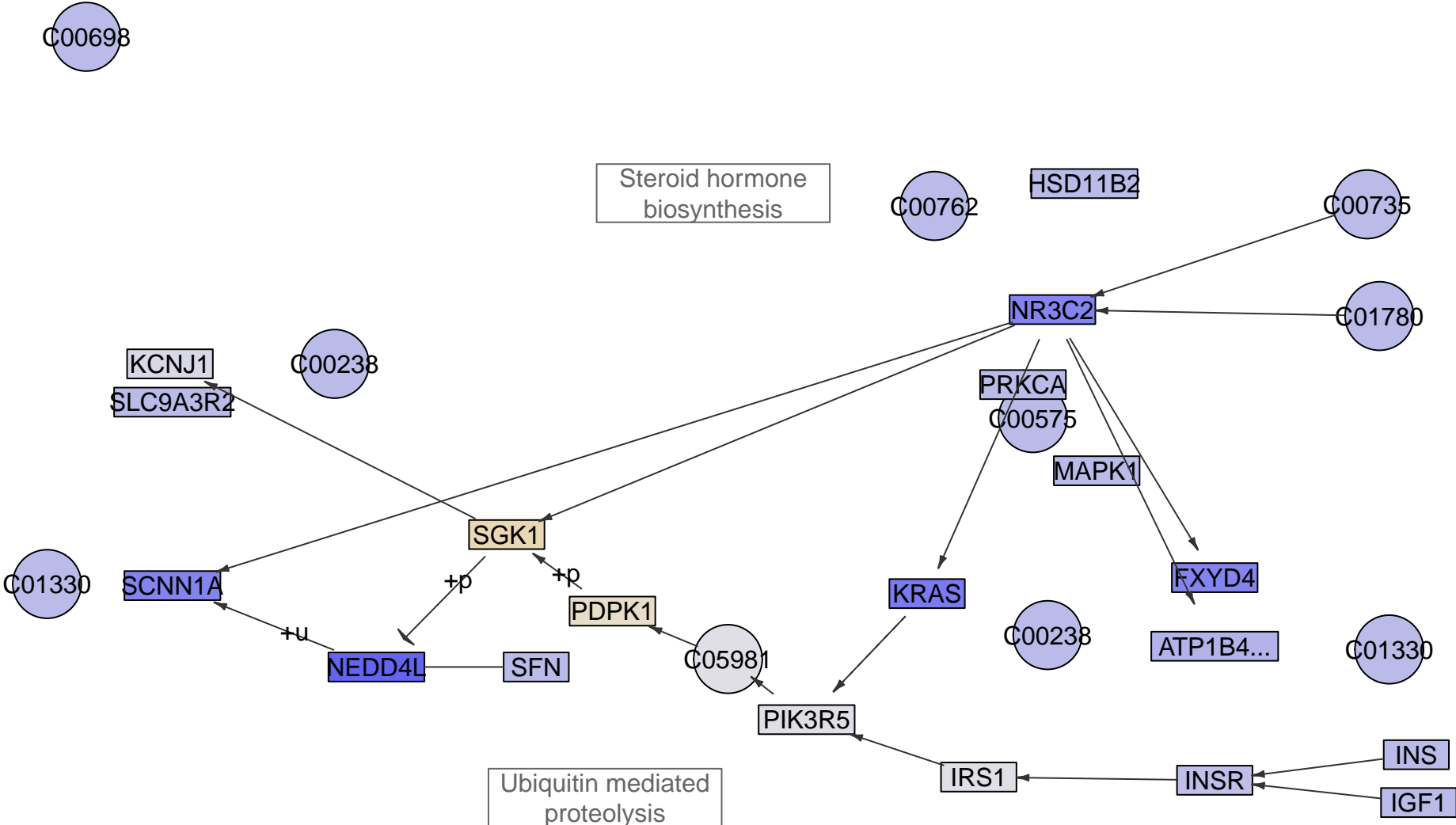
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-193

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

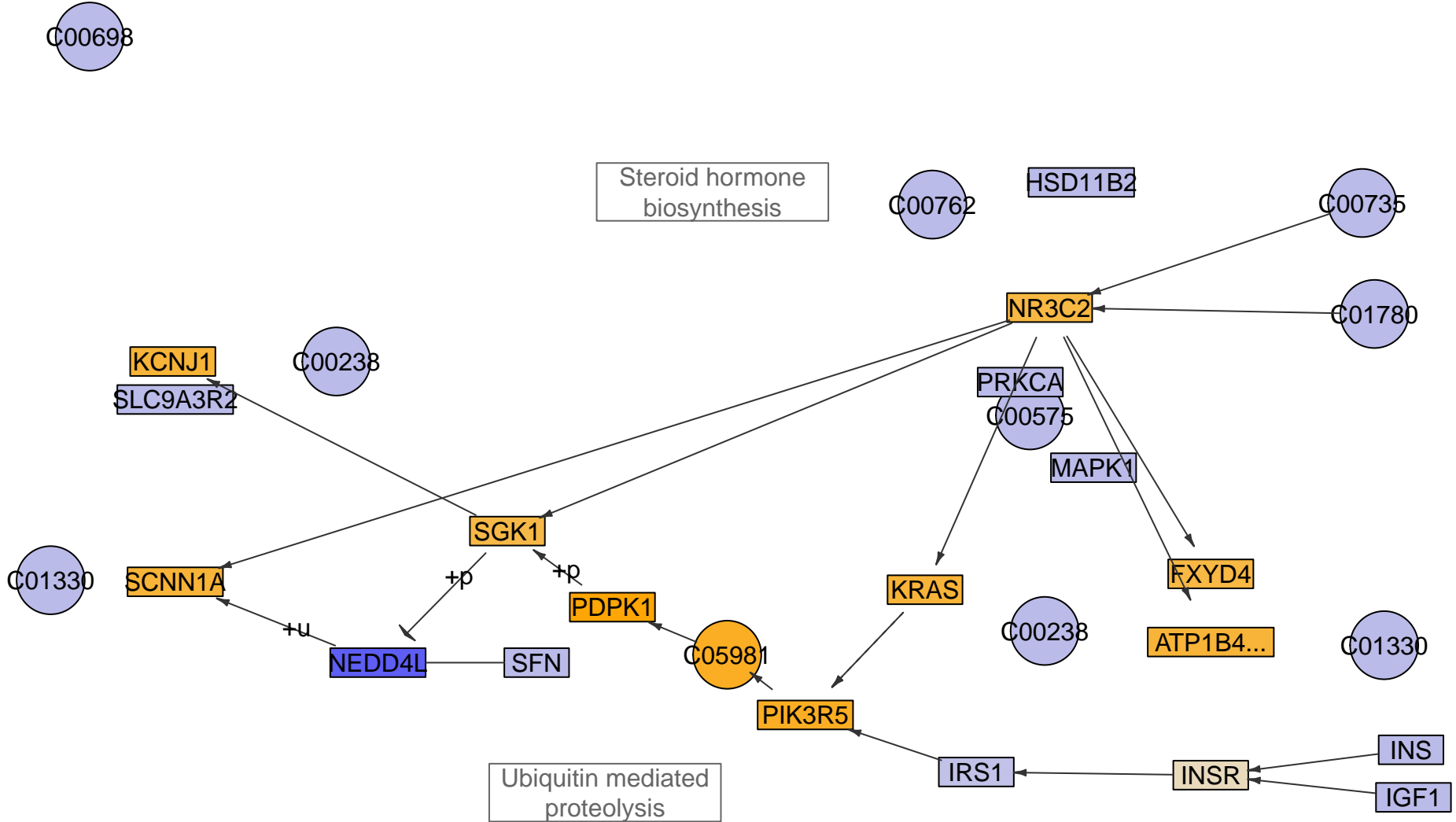
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-216

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

ATP1B4...

NEDD4L

SFN

PIK3R5

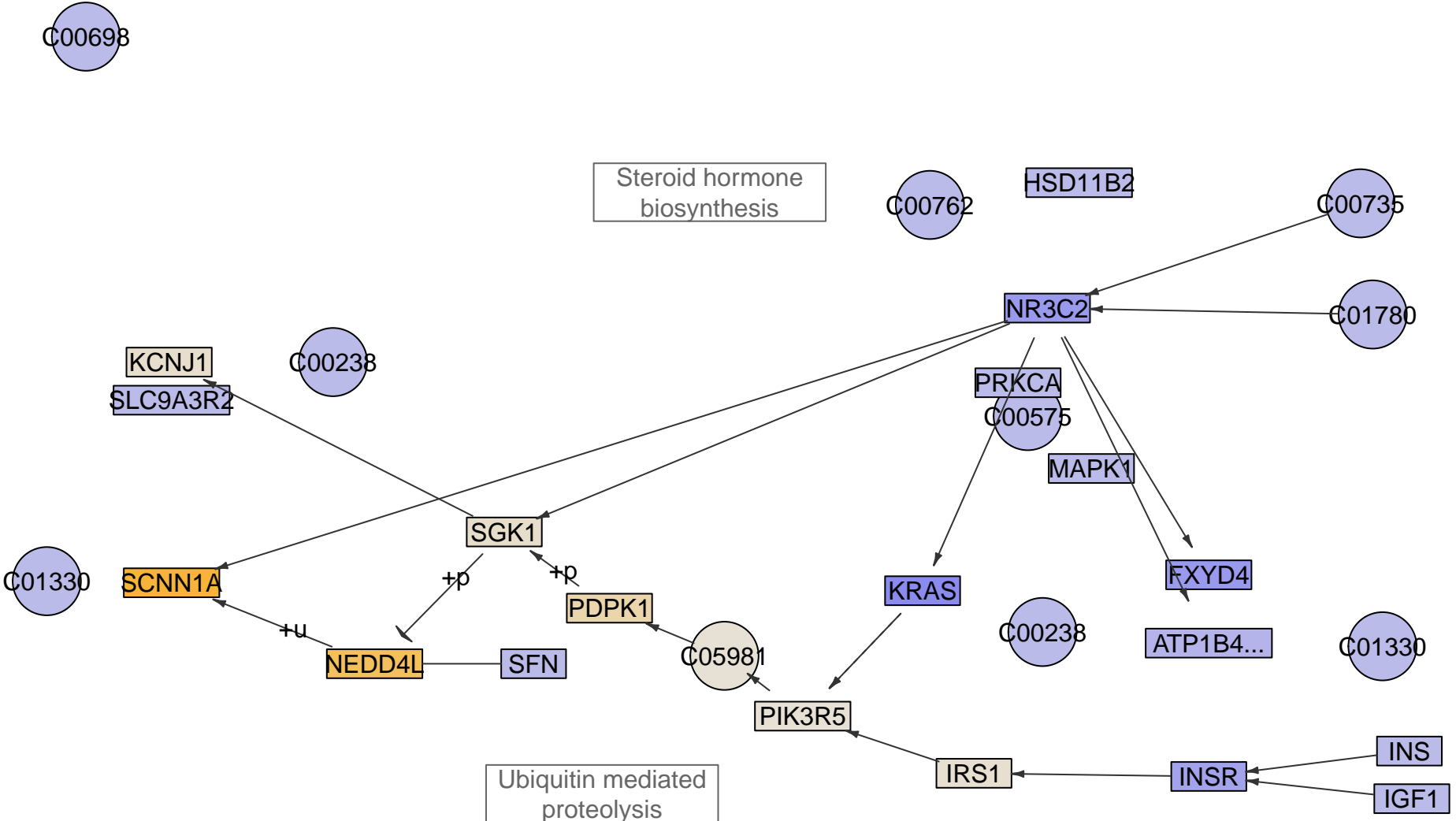
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-242

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

SFN

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

+u

PIK3R5

FXVD4

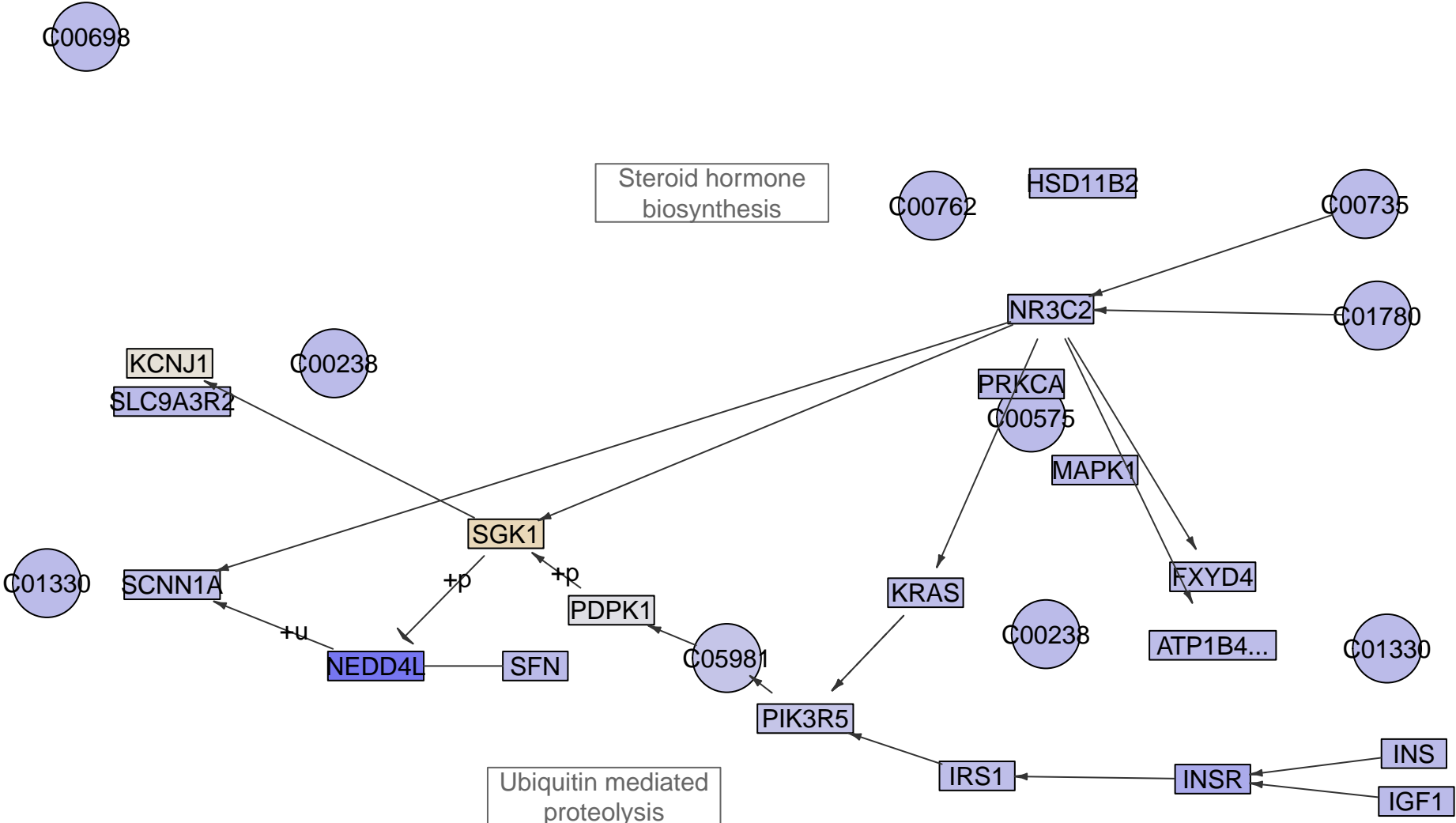
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-249

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

SGK1

PRKCA

C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

C00238

C05981

C00238

C01330

Aldosterone-regulated sodium reabsorption
MPI-250

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

PIK3R5

ATP1B4...

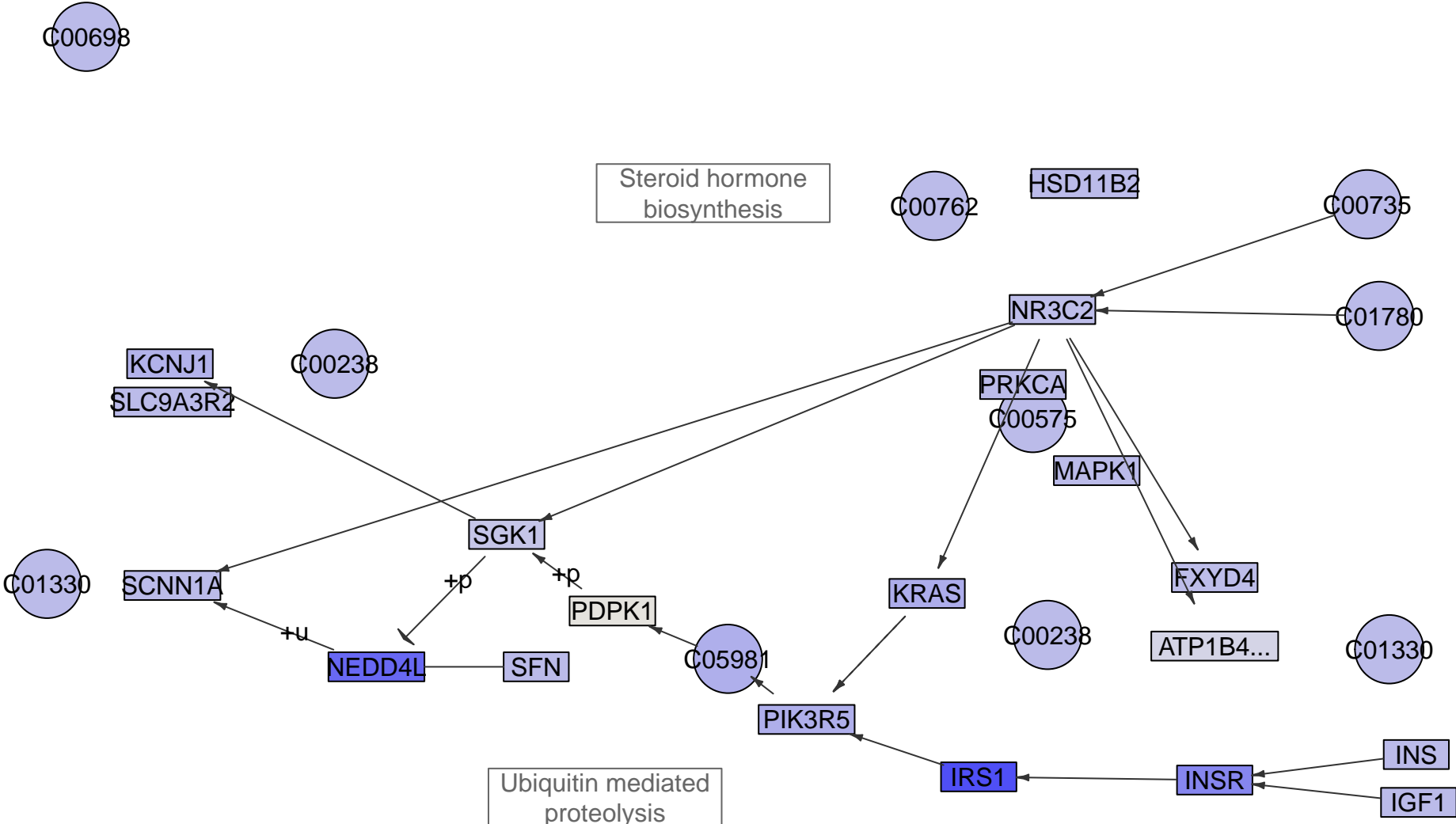
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-008

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

+u

NEDD4L

SFN

PIK3R5

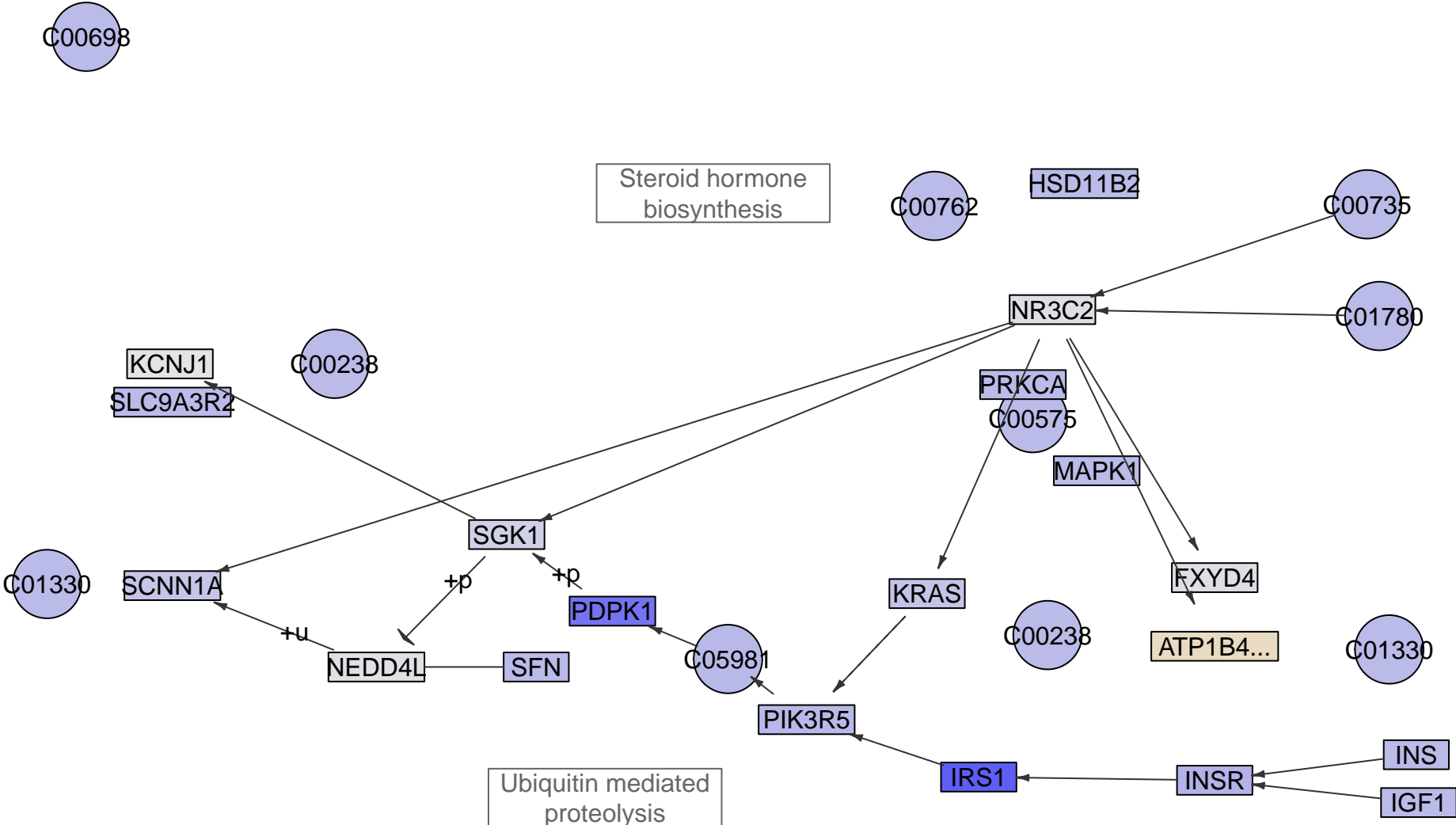
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-009

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

Aldosterone-regulated sodium reabsorption
MPI-012

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

FXYP4

C01330

SCNN1A

+p

PDPK1

SFN

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

+u

PIK3R5

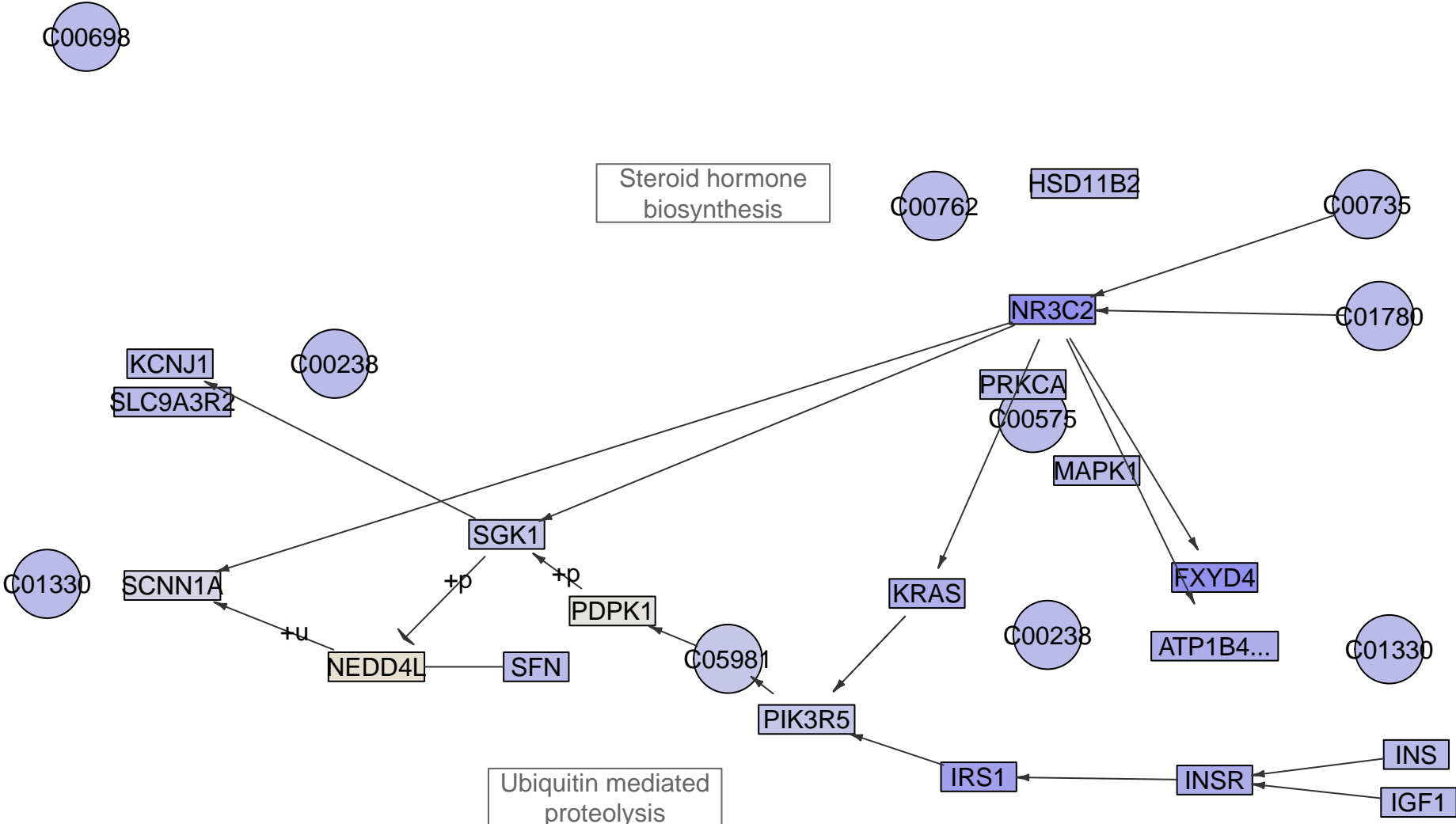
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-013

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXRD4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

+p

Aldosterone-regulated sodium reabsorption
MPI-014

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

SGK1

PRKCA

C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

Aldosterone-regulated sodium reabsorption
MPI-015

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

+p

KRAS

C00238

FXYP4

+u

NEDD4L

SFN

C05981

PIK3R5

ATP1B4...

C01330

Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1

Aldosterone-regulated sodium reabsorption
MPI-021

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

FXVD4

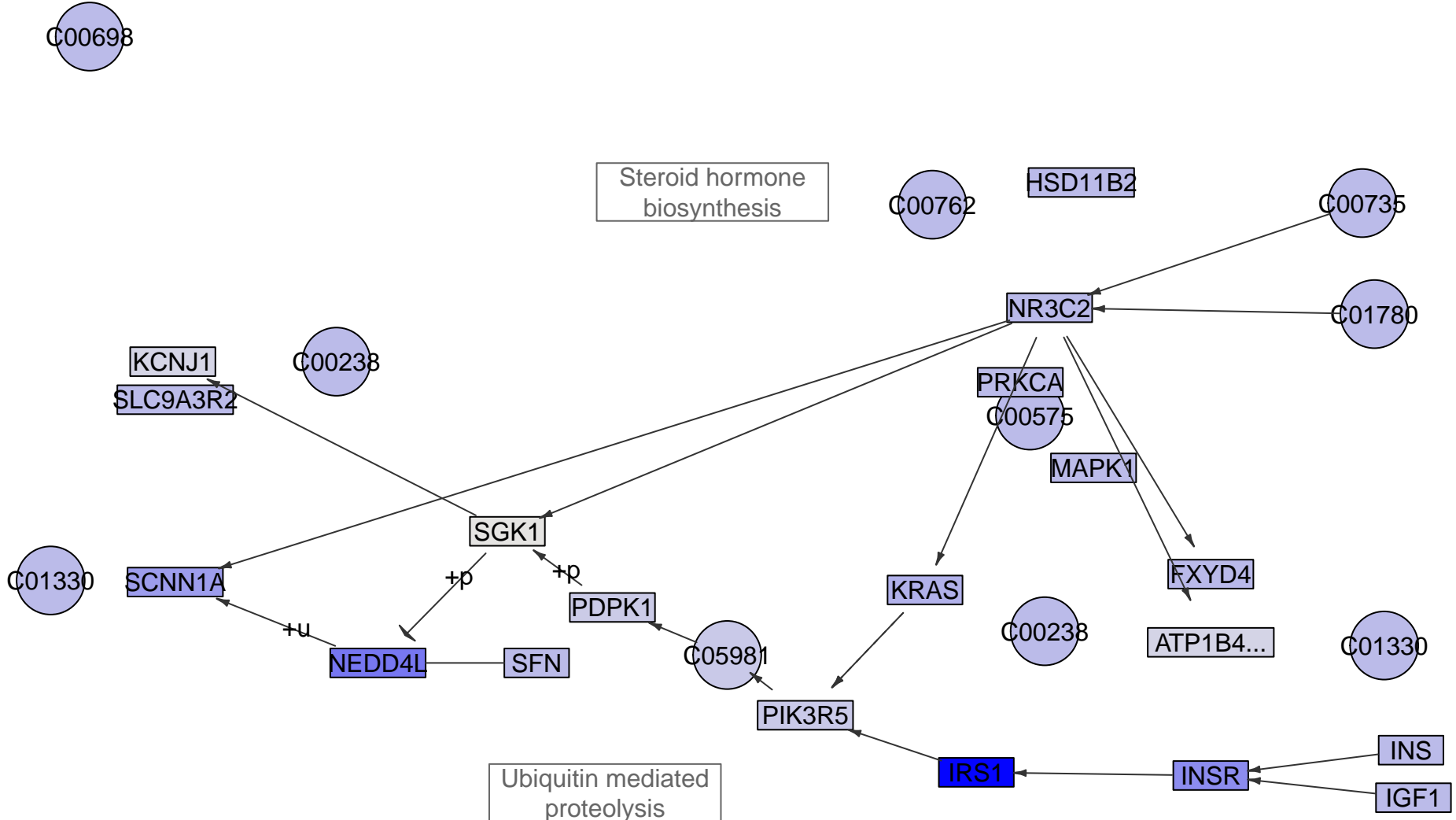
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-022

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

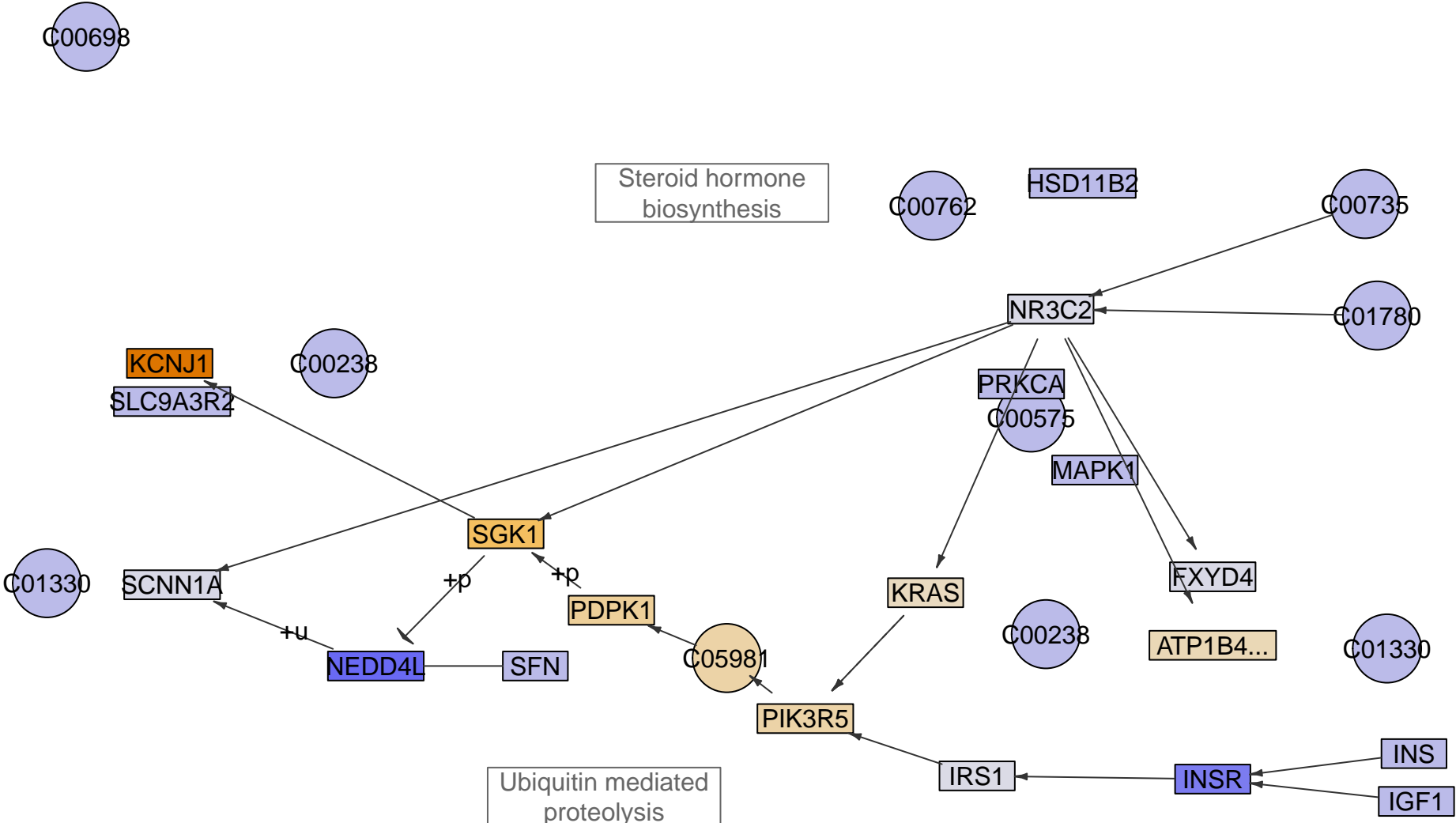
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-025

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

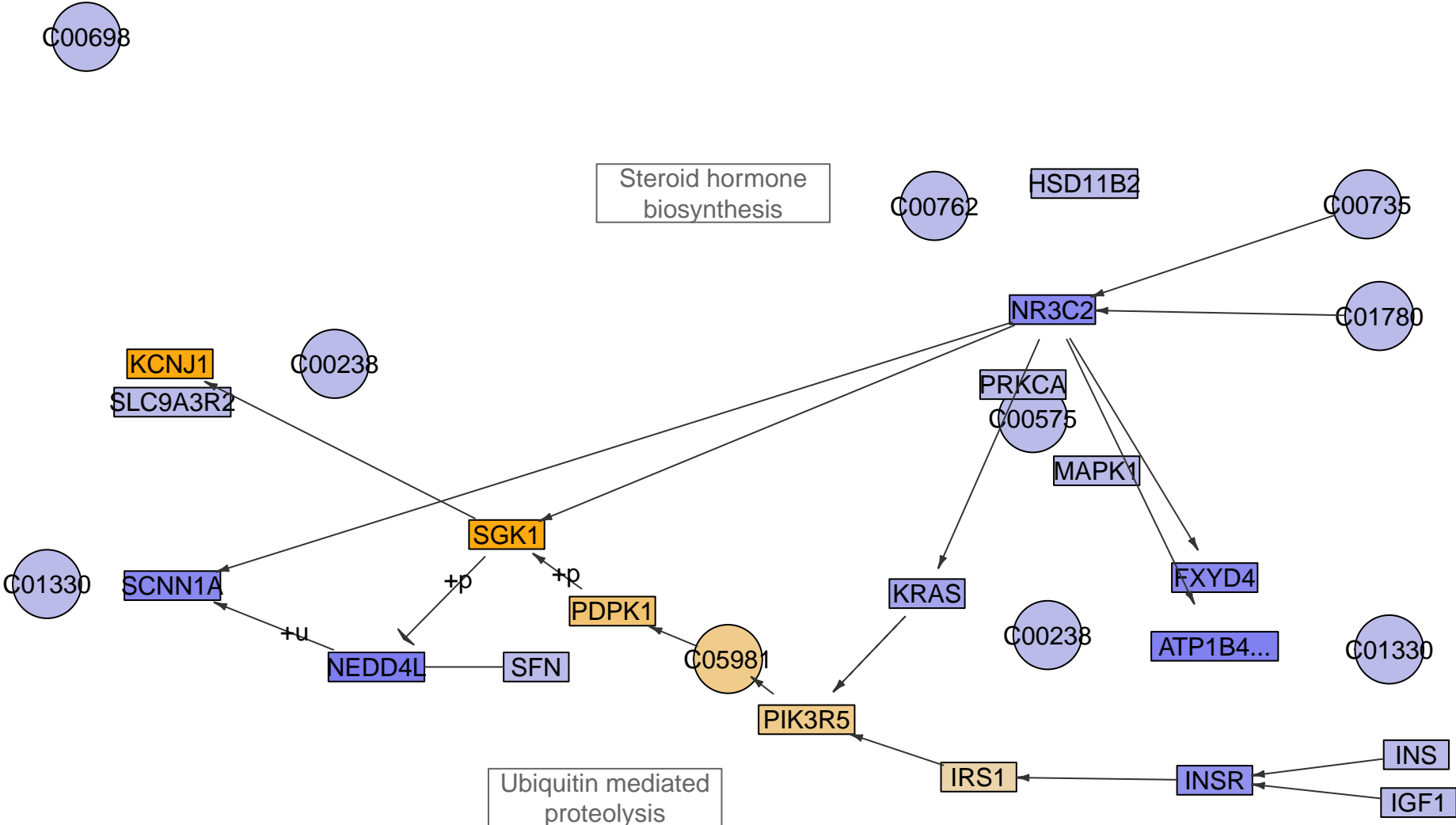
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-029

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

PIK3R5

ATP1B4...

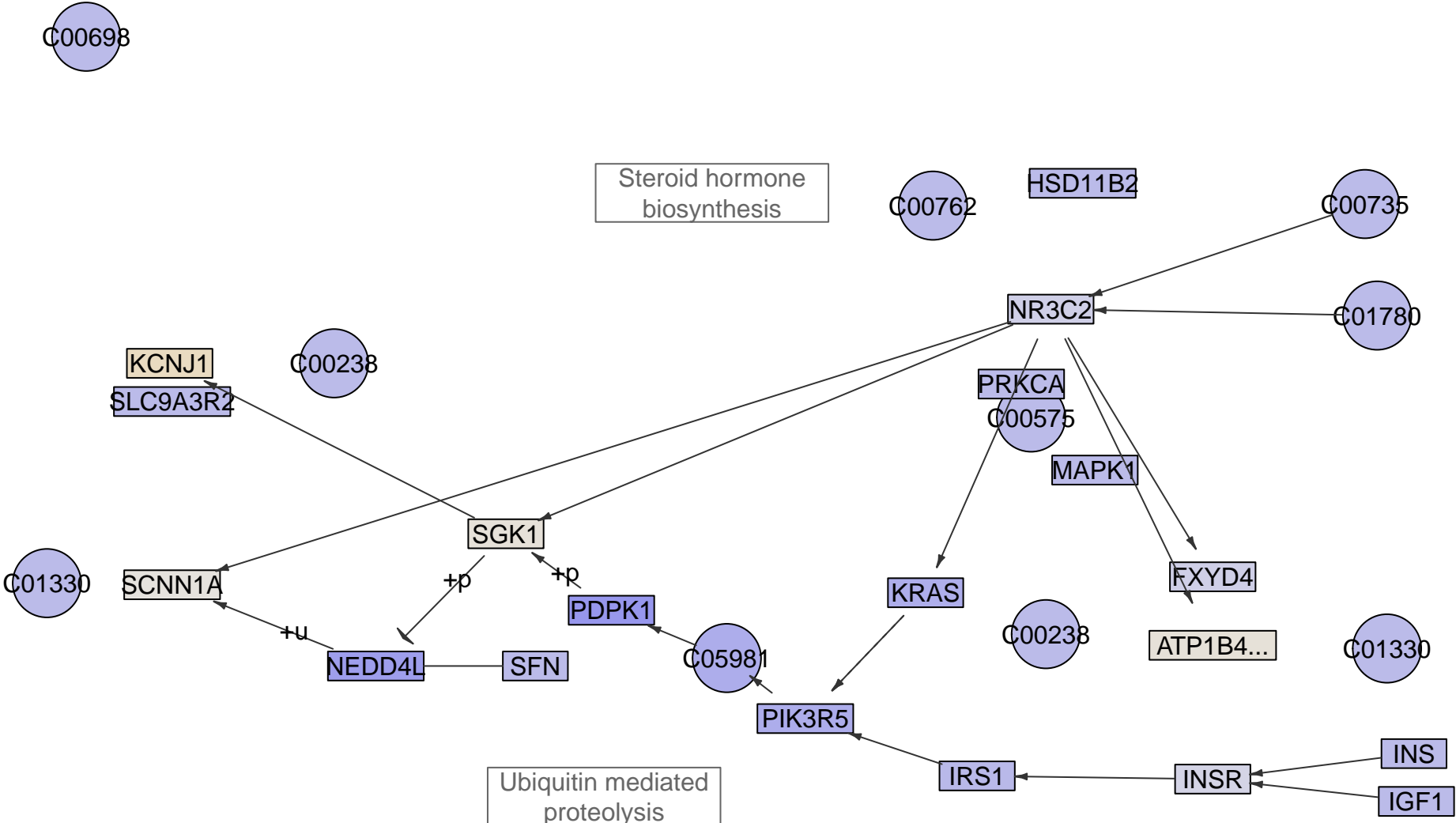
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-030

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

NEDD4L

SFN

+u

PIK3R5

ATP1B4...

C01330

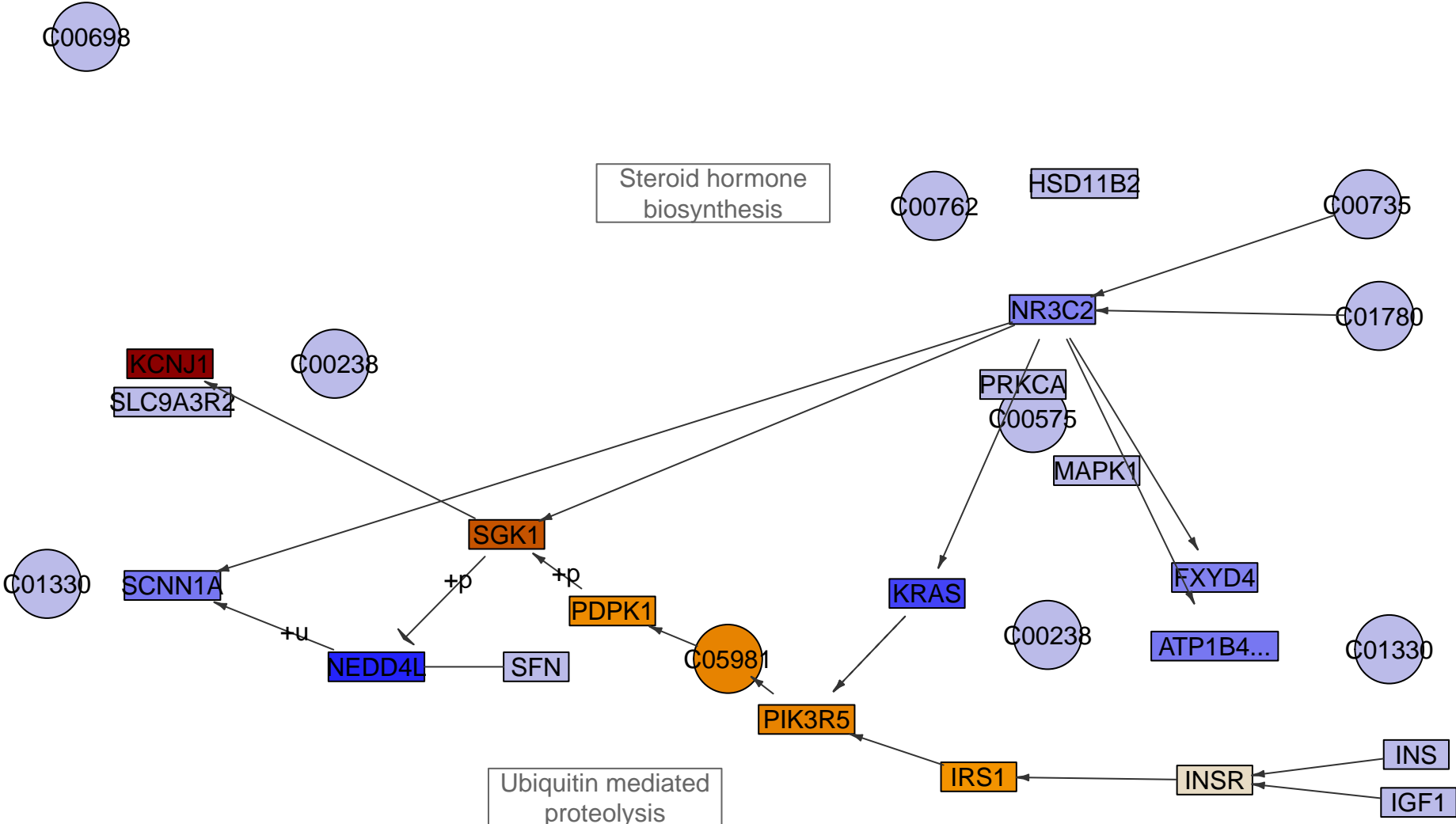
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-040

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

+p

Aldosterone-regulated sodium reabsorption
MPI-045

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

ATP1B4...

NEDD4L

SFN

PIK3R5

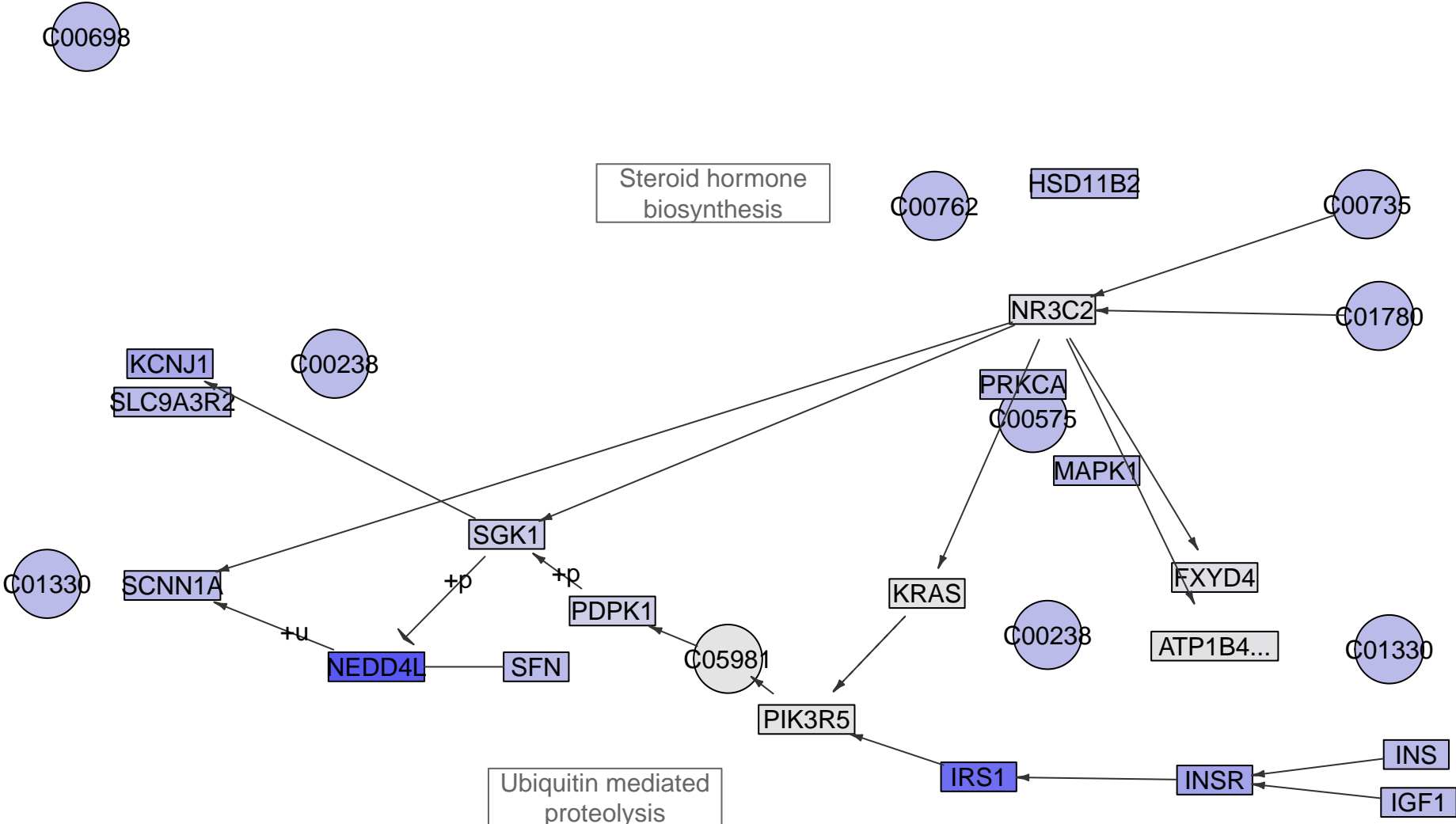
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-047

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXJD4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

Aldosterone-regulated sodium reabsorption
MPI-053

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

PIK3R5

KRAS

C00238

ATP1B4...

C01330

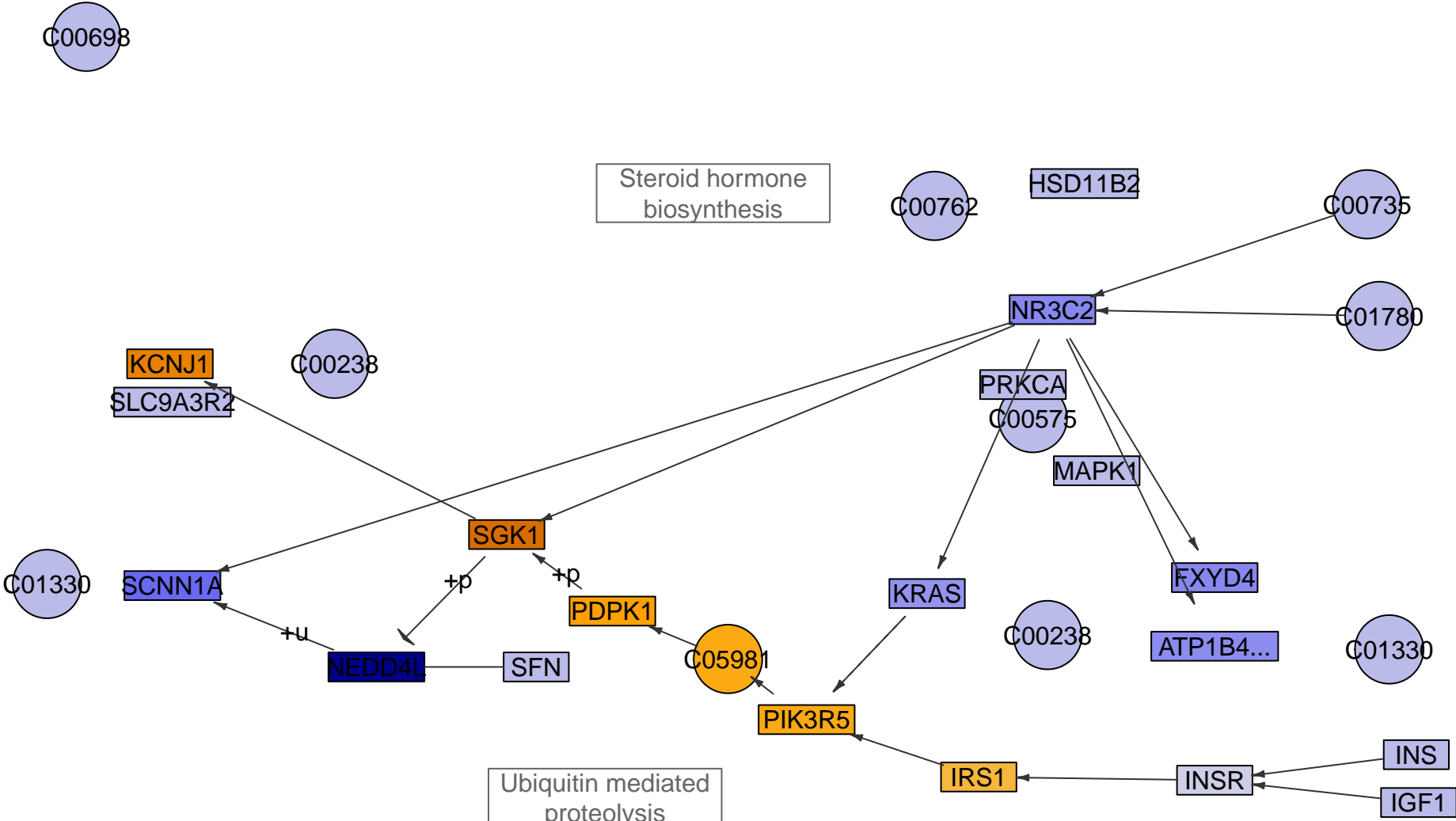
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-062

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

+u

NEDD4L

SFN

ATP1B4...

PIK3R5

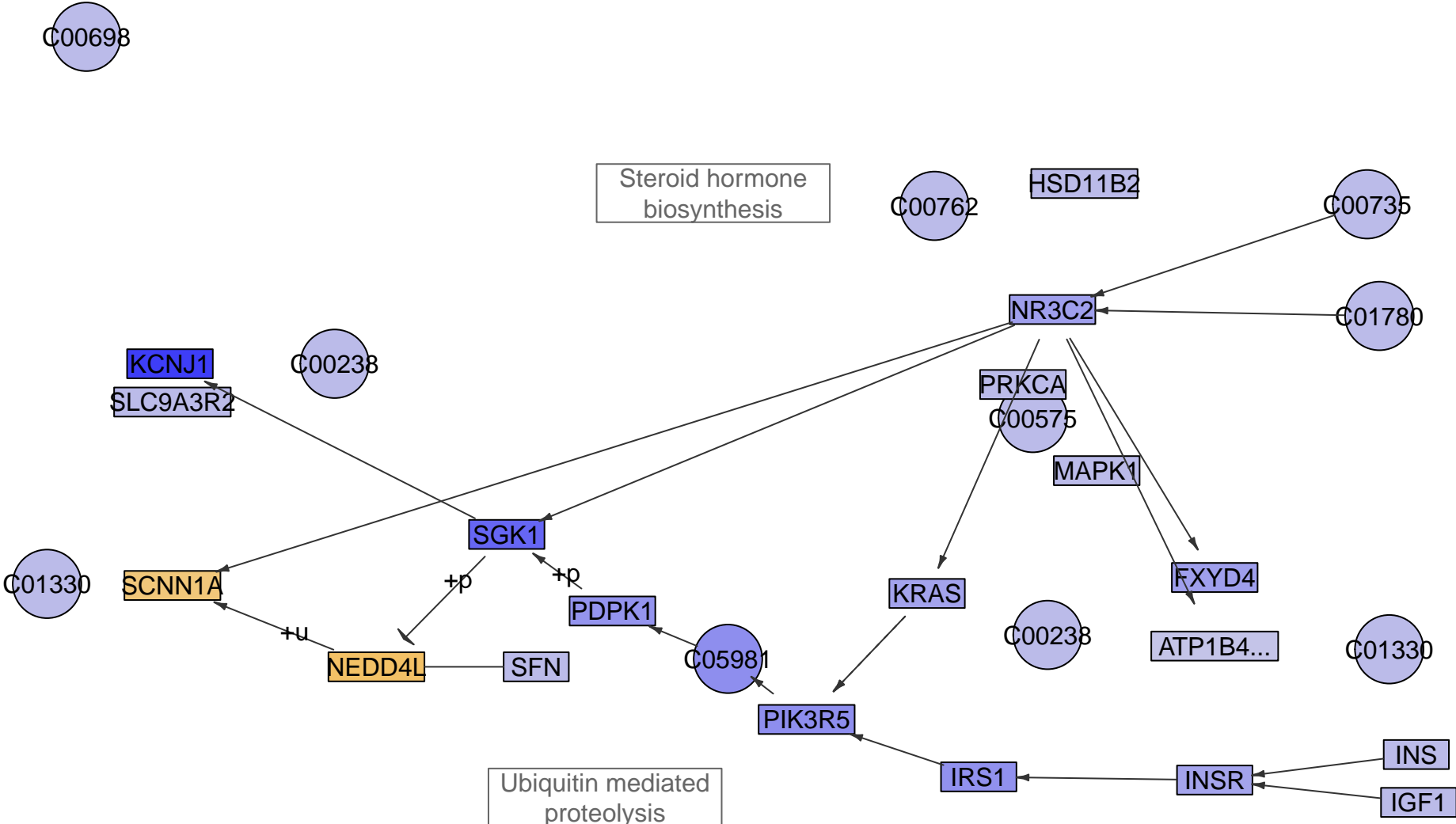
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-063

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

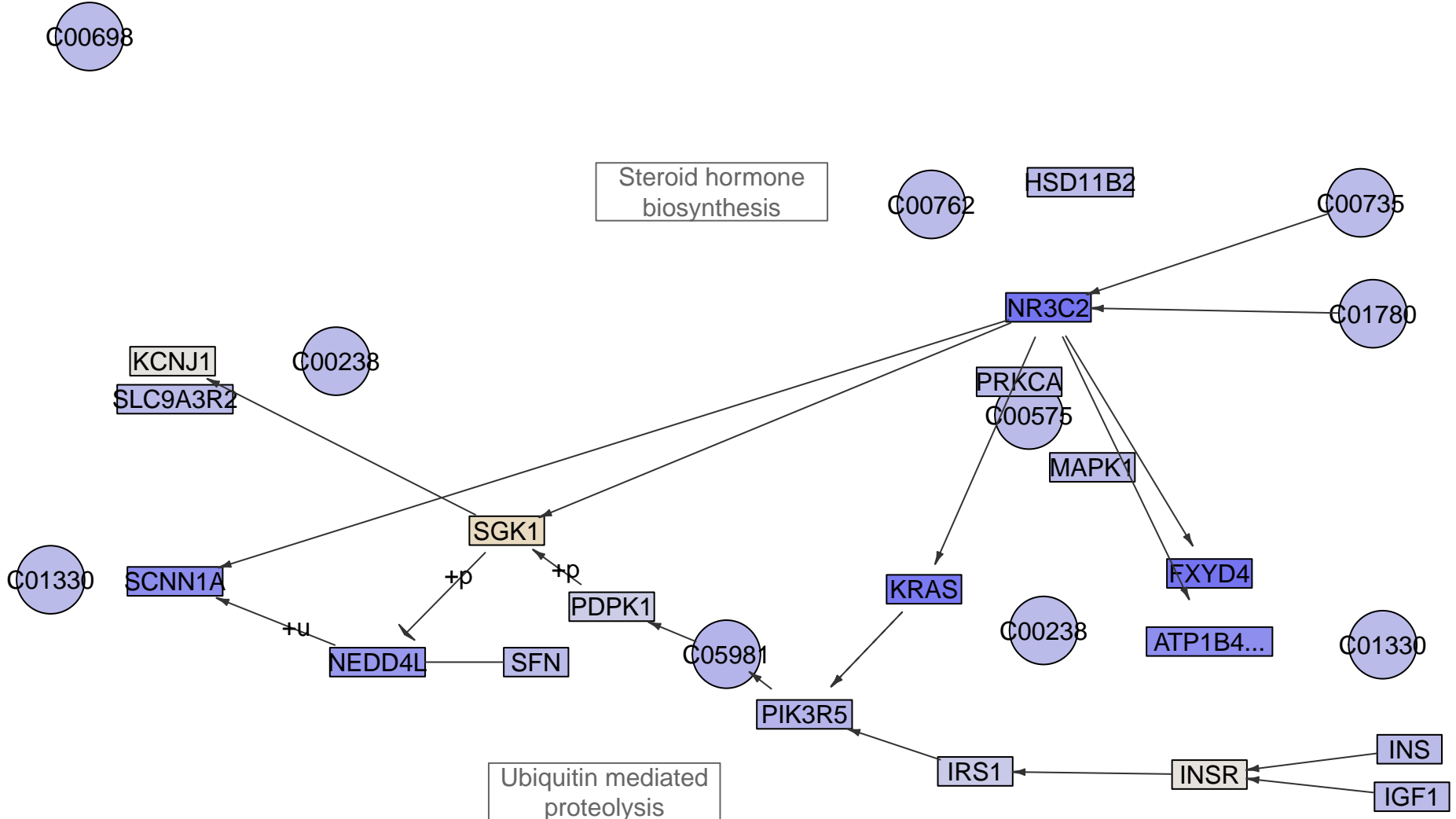
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-069

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

+p

Aldosterone-regulated sodium reabsorption
MPI-073

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

+u

NEDD4L

SFN

PIK3R5

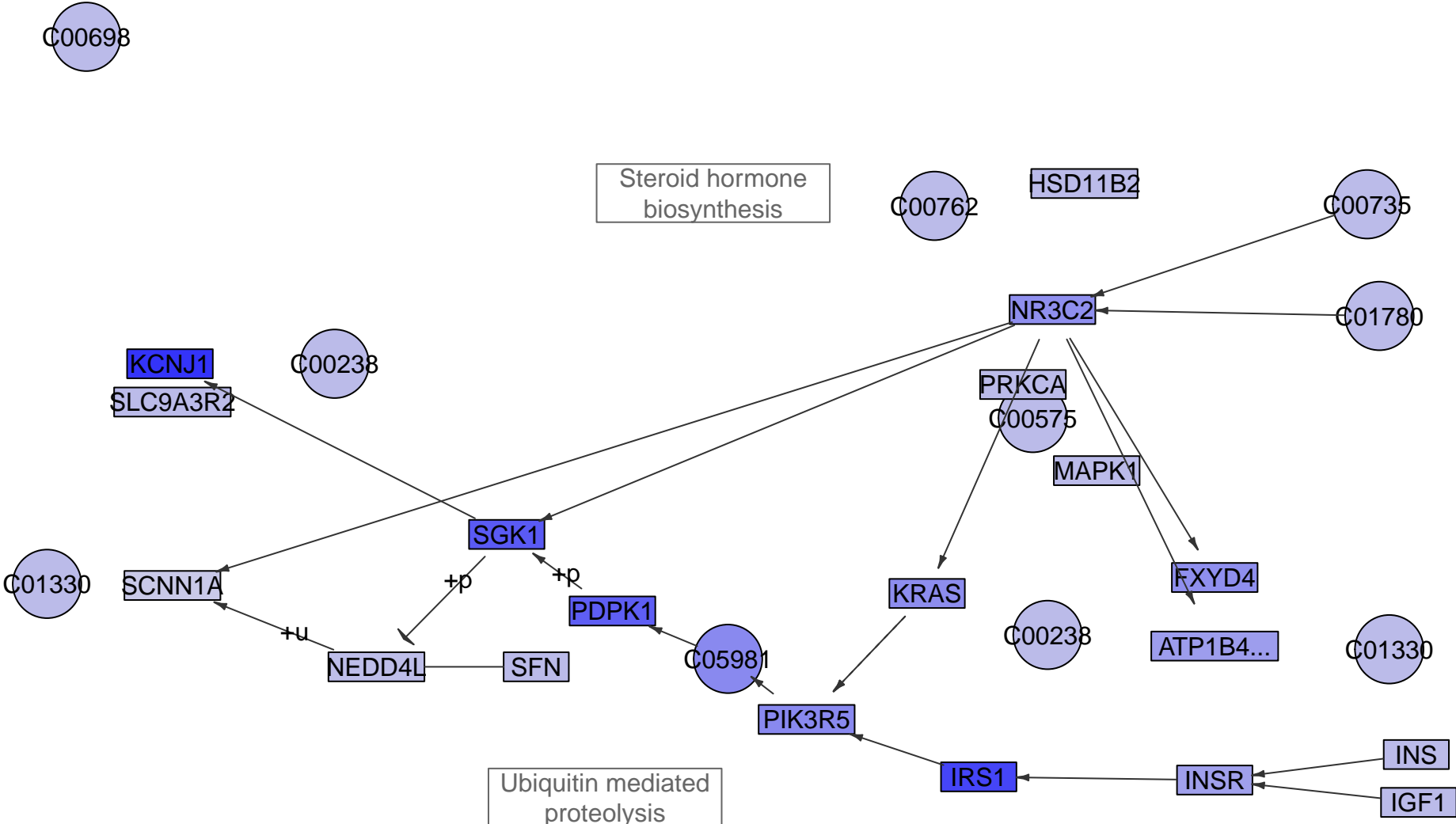
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-074

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

+p

KRAS

C00238

FXYP4

+u

NEDD4L

SFN

C05981

PIK3R5

ATP1B4...

C01330

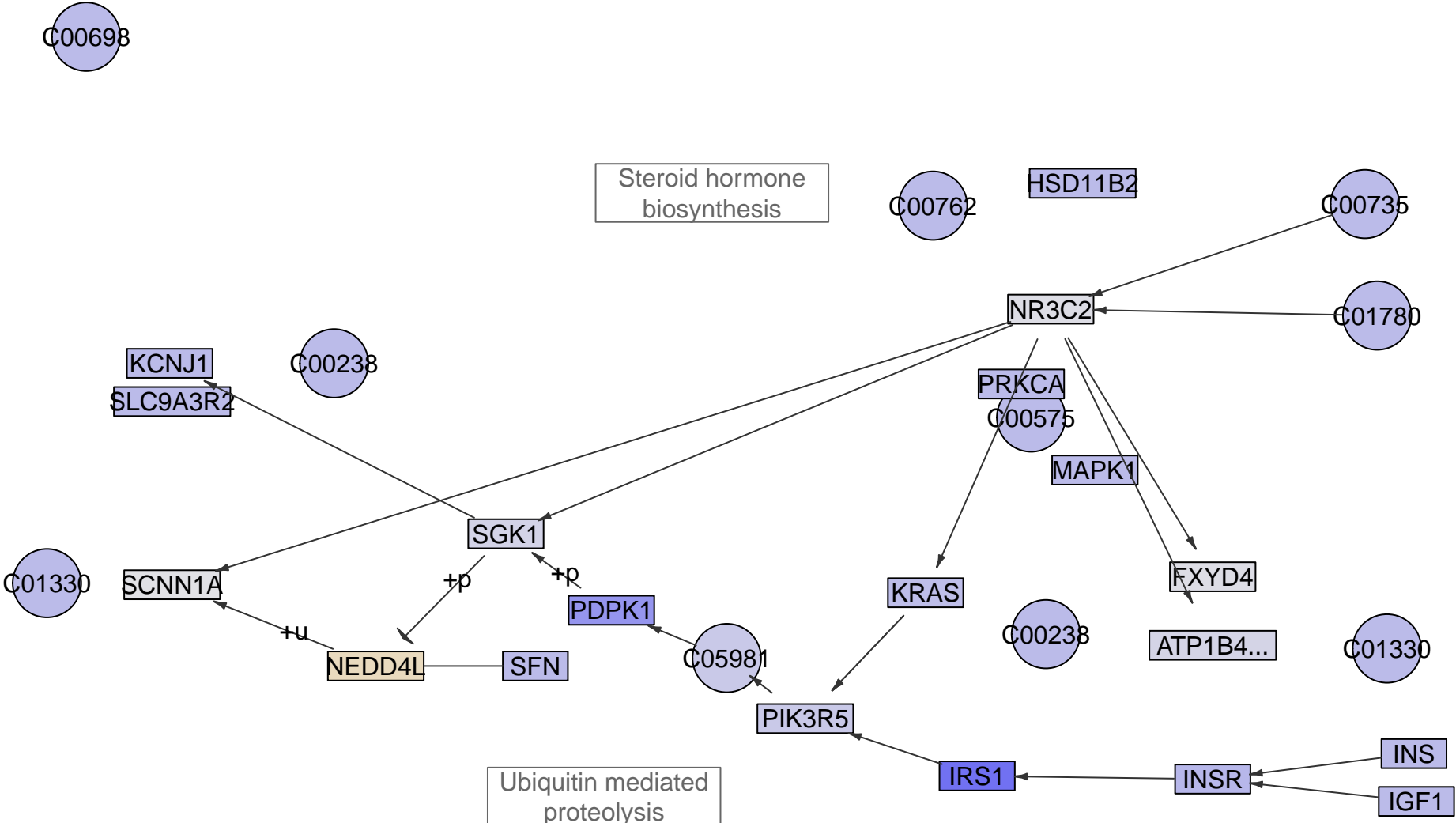
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-076

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXVD4

C01330

+u

NEDD4L

SFN

PIK3R5

ATP1B4...

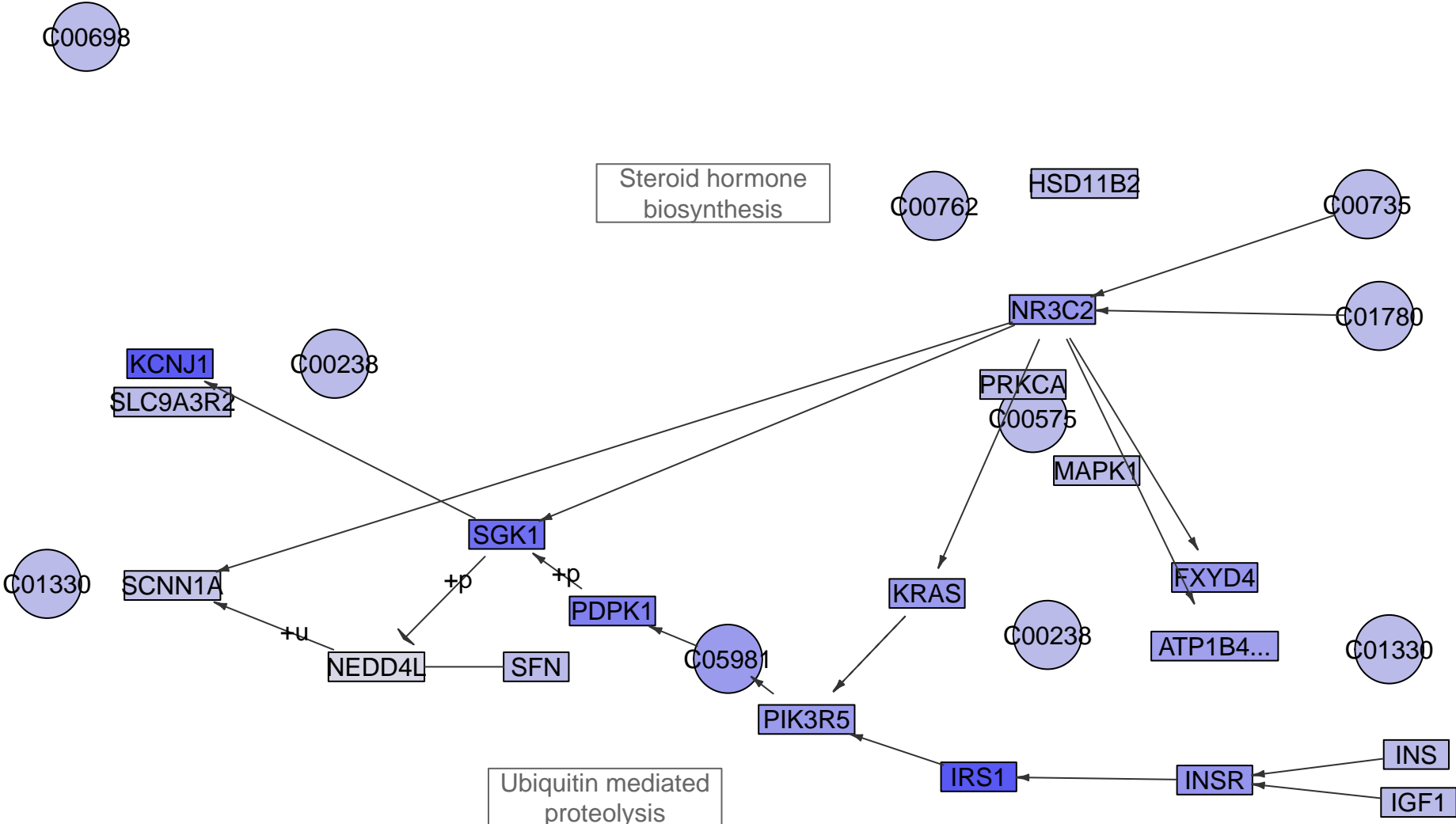
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-083

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

ATP1B4...

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

+p

Aldosterone-regulated sodium reabsorption
MPI-088

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

+p

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

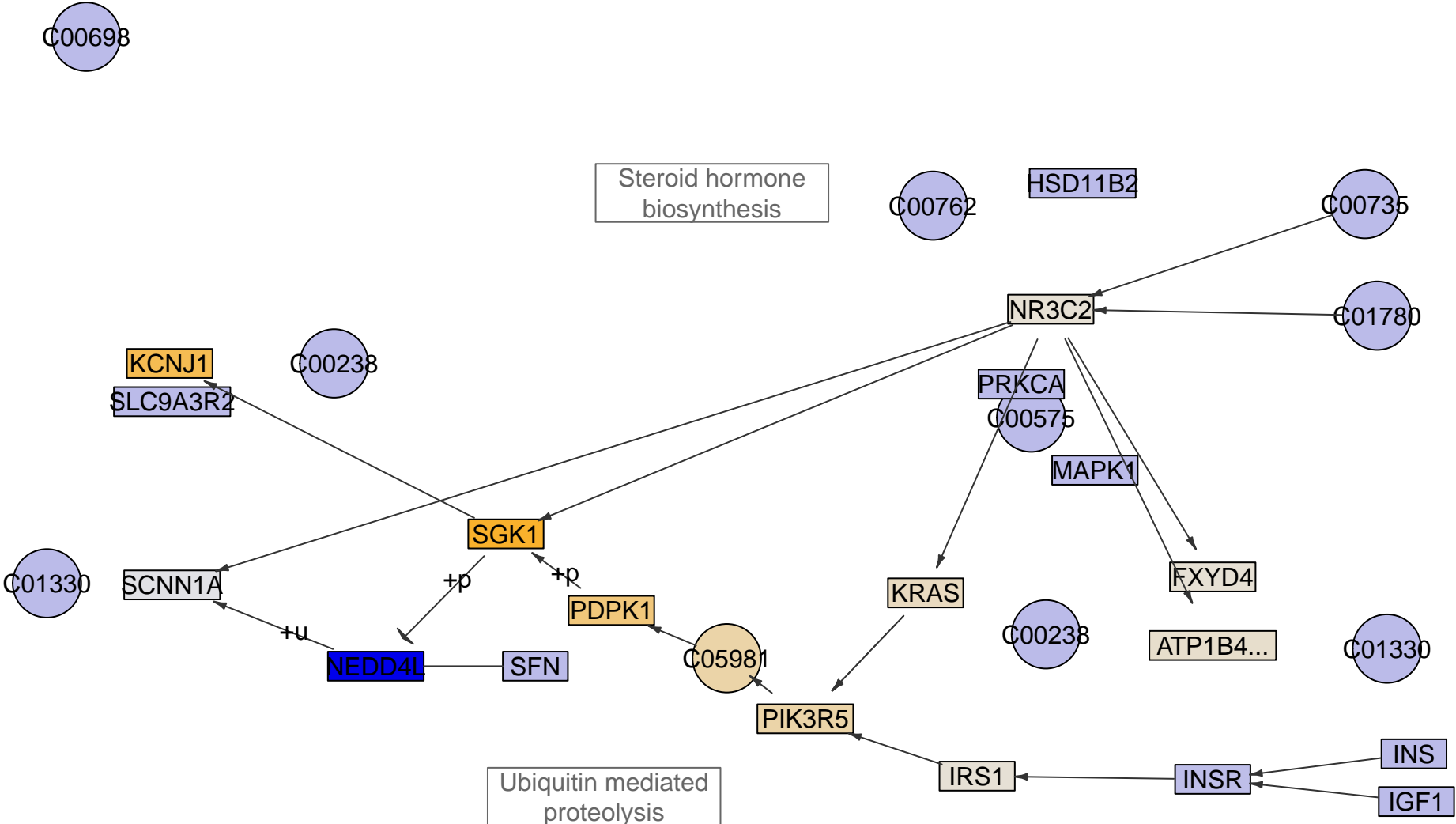
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-096

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

+u

PIK3R5

ATP1B4...

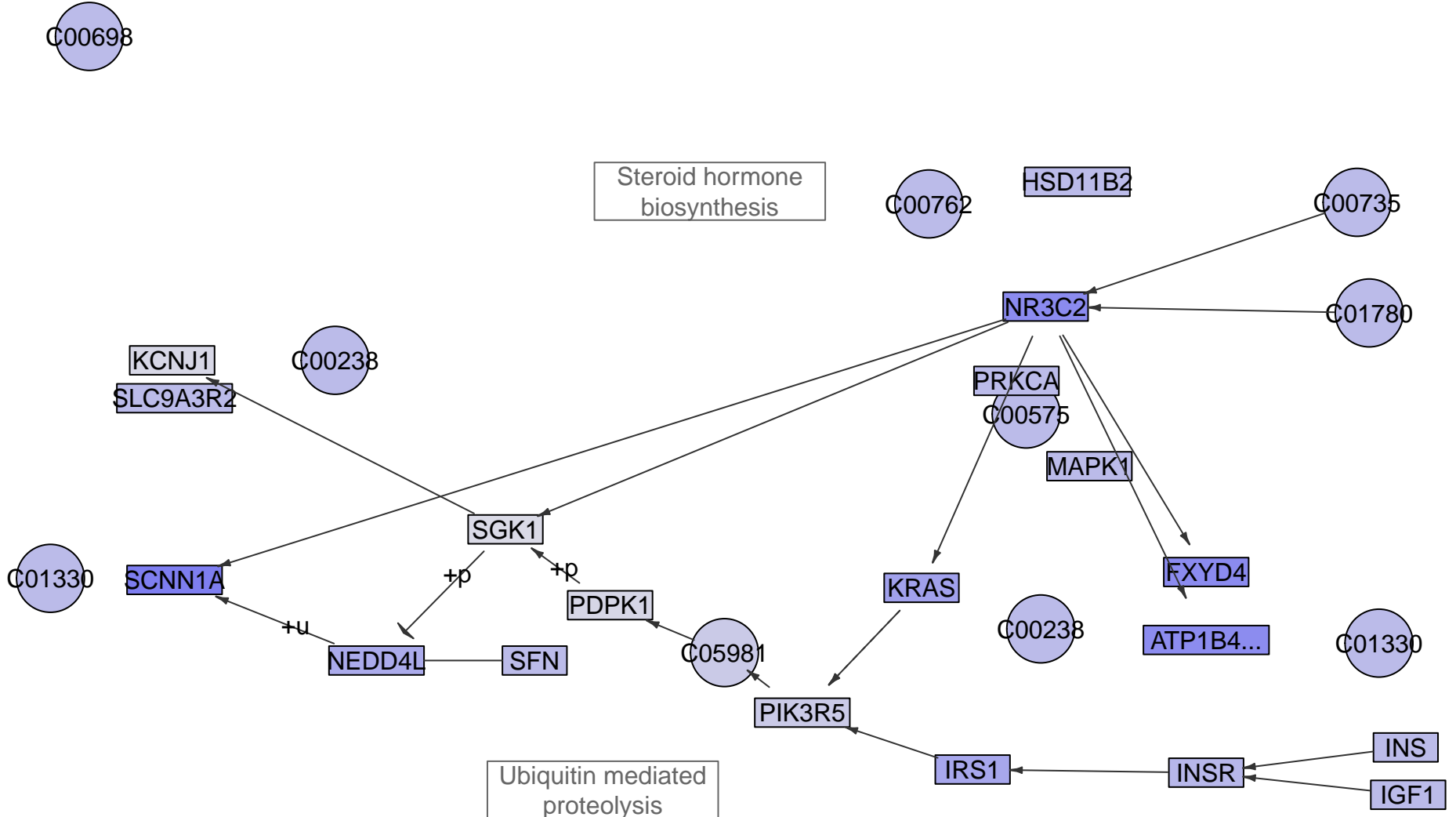
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-098

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

FXVD4

PIK3R5

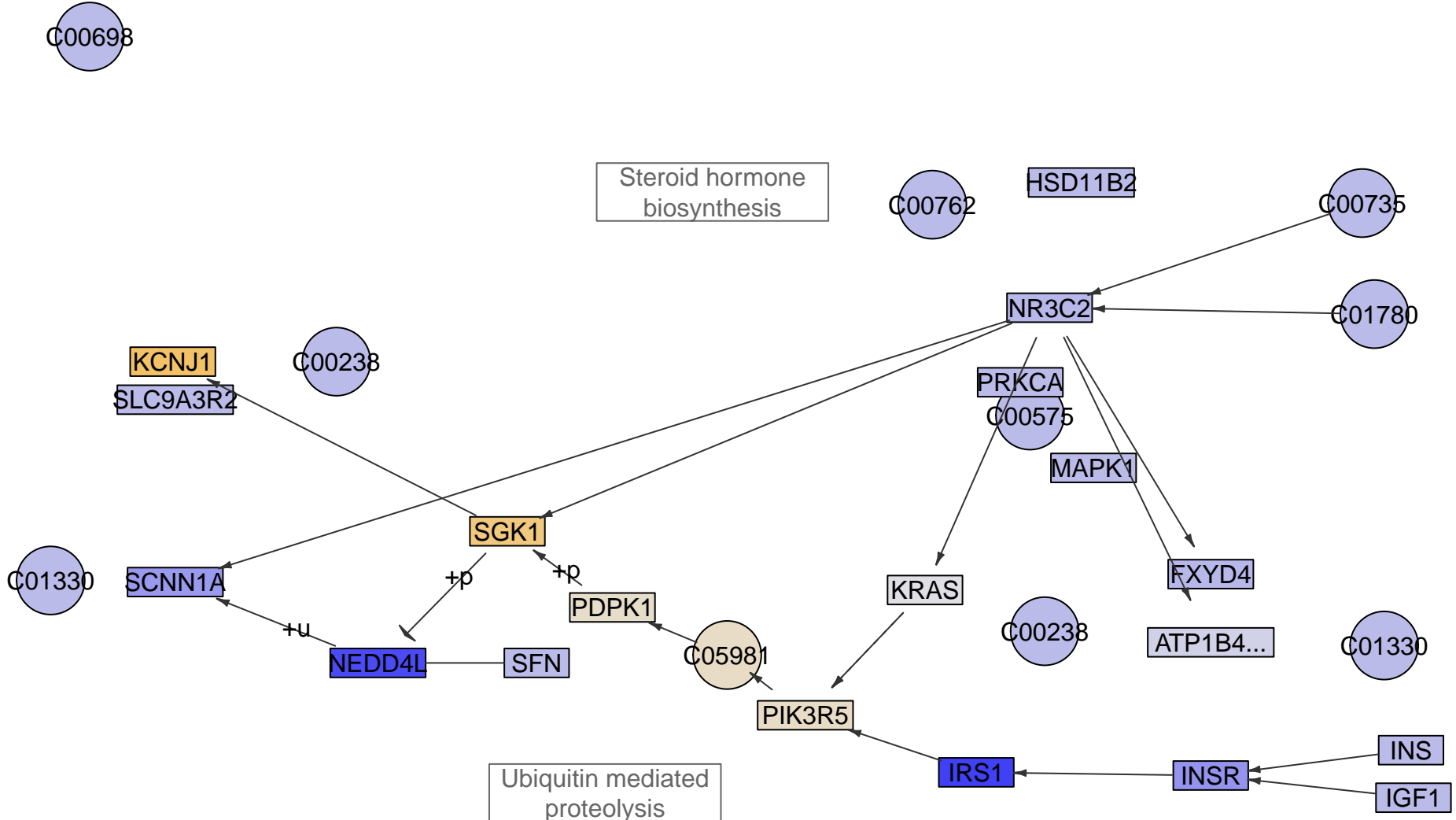
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-100

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

+u

NEDD4L

SFN

PIK3R5

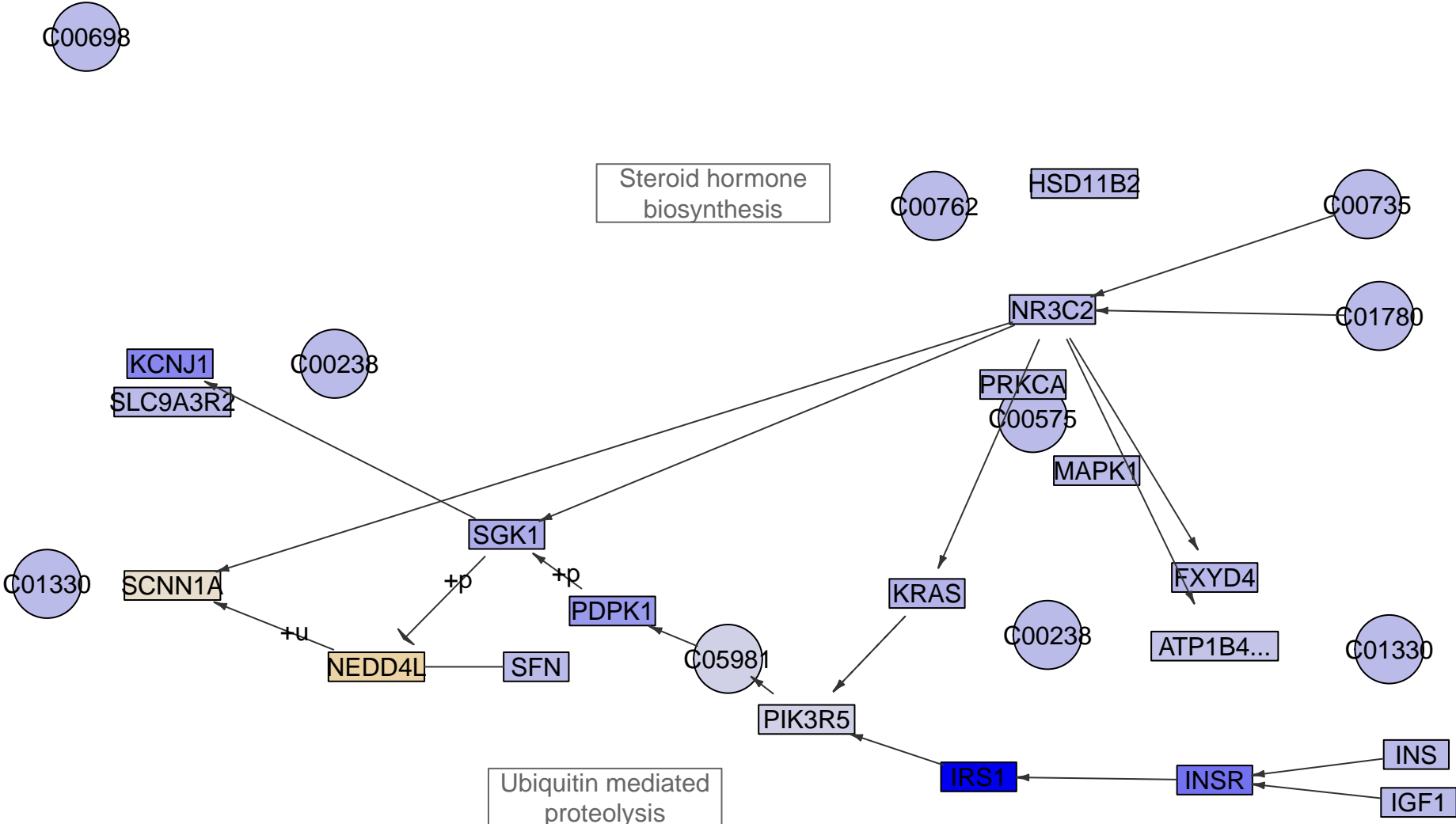
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-106

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

PIK3R5

ATP1B4...

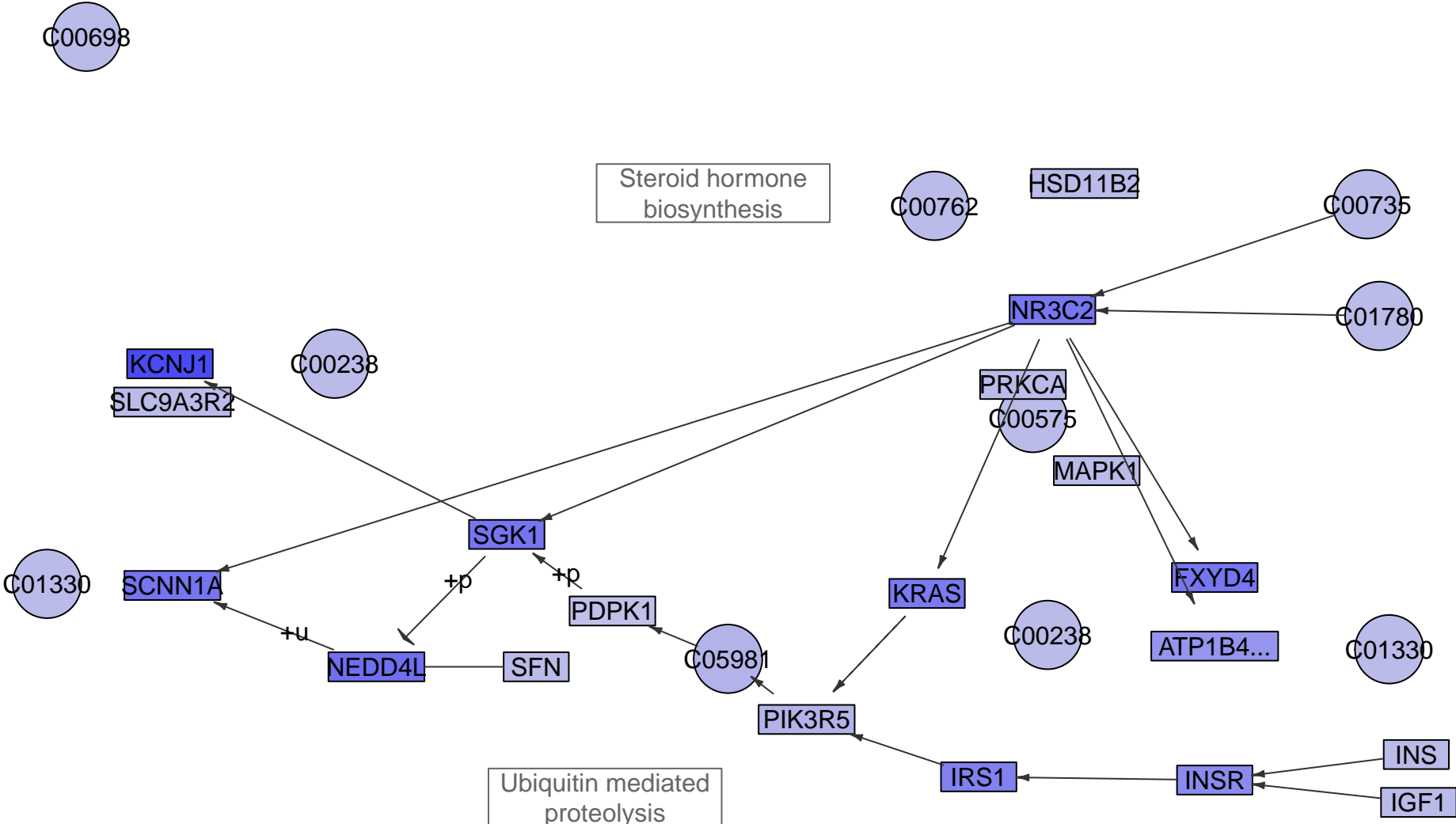
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-108

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

+p

Aldosterone-regulated sodium reabsorption
MPI-109

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

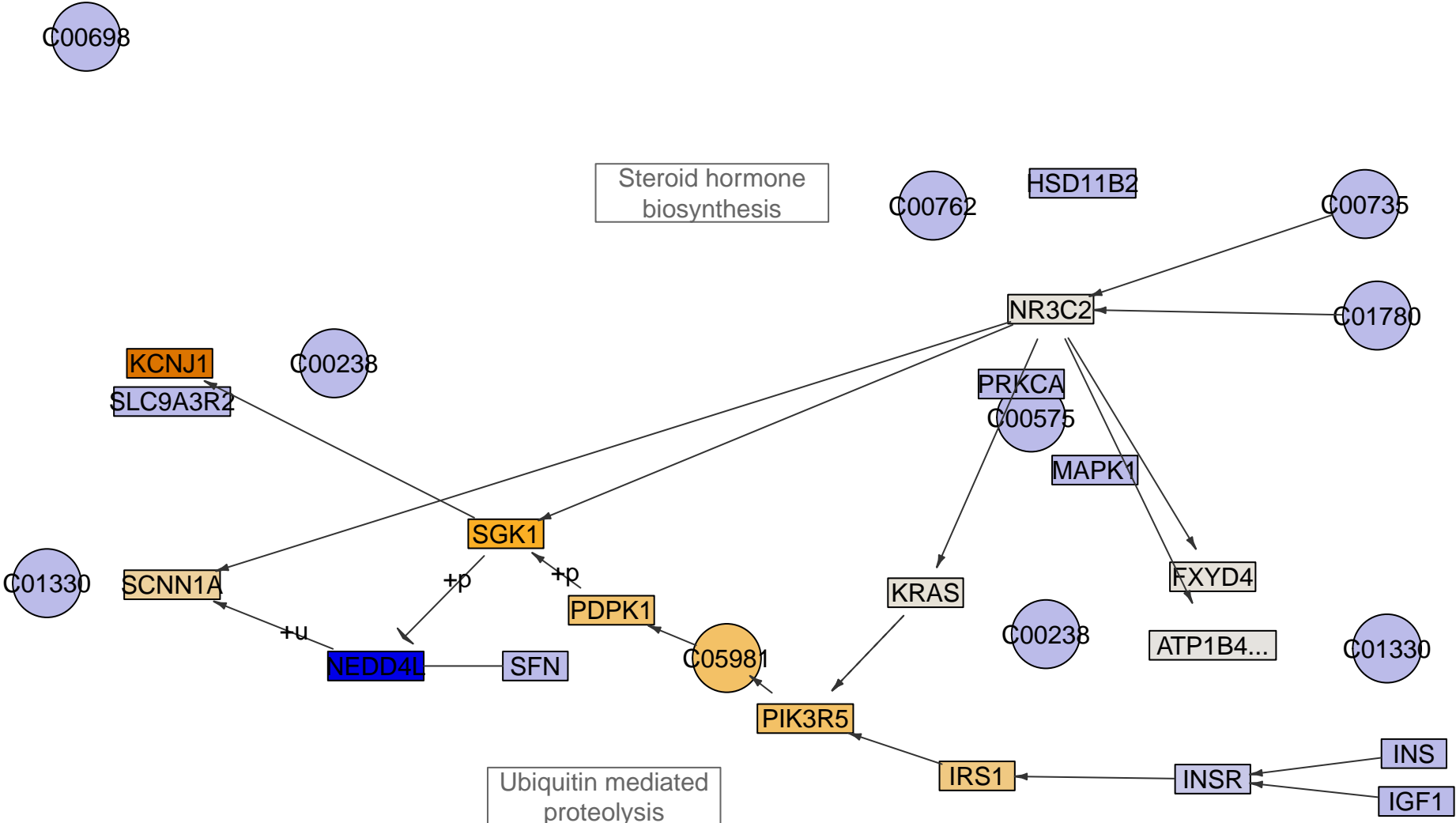
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-115

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

PIK3R5

ATP1B4...

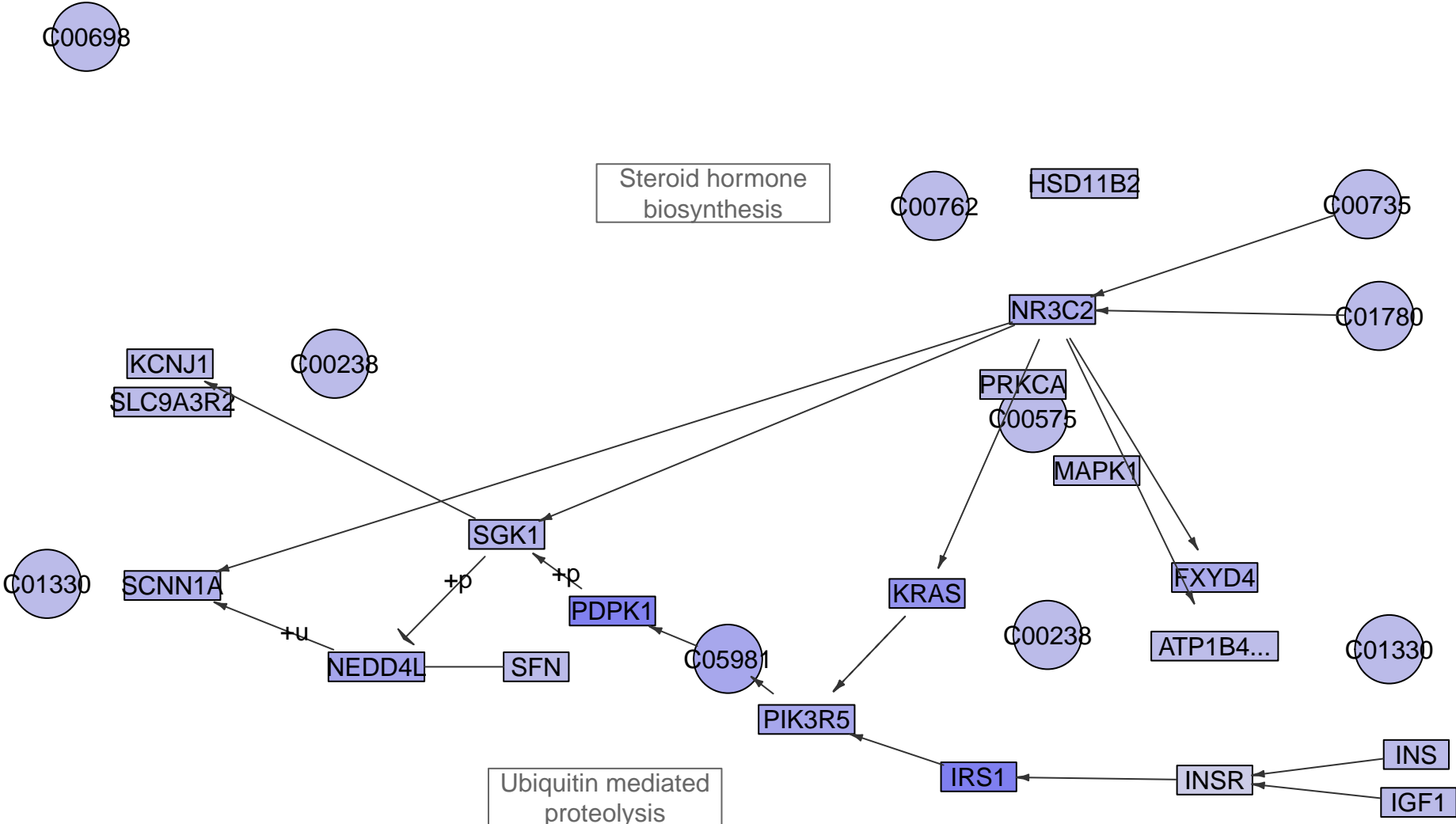
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-118

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

PIK3R5

ATP1B4...

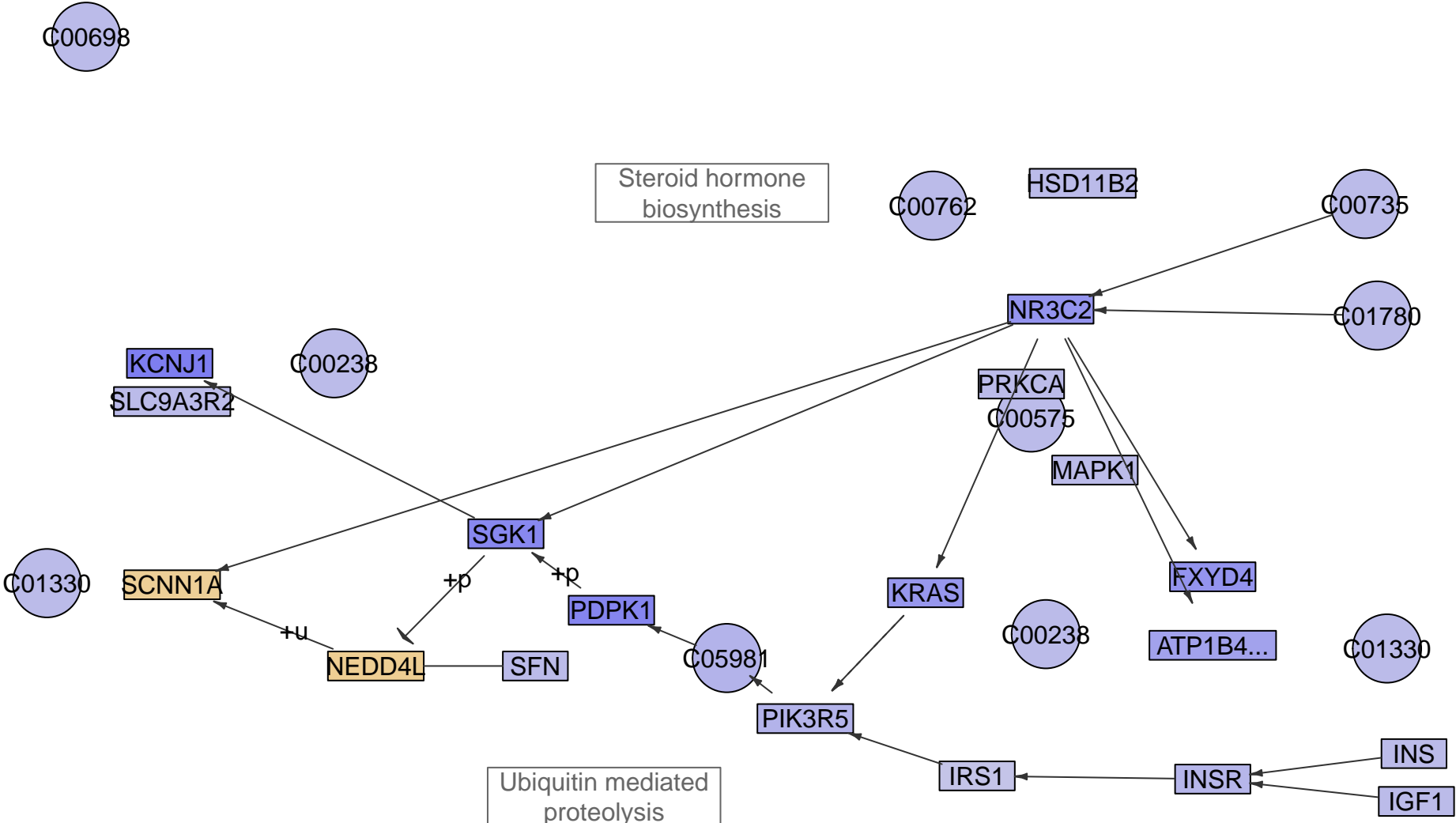
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-122

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

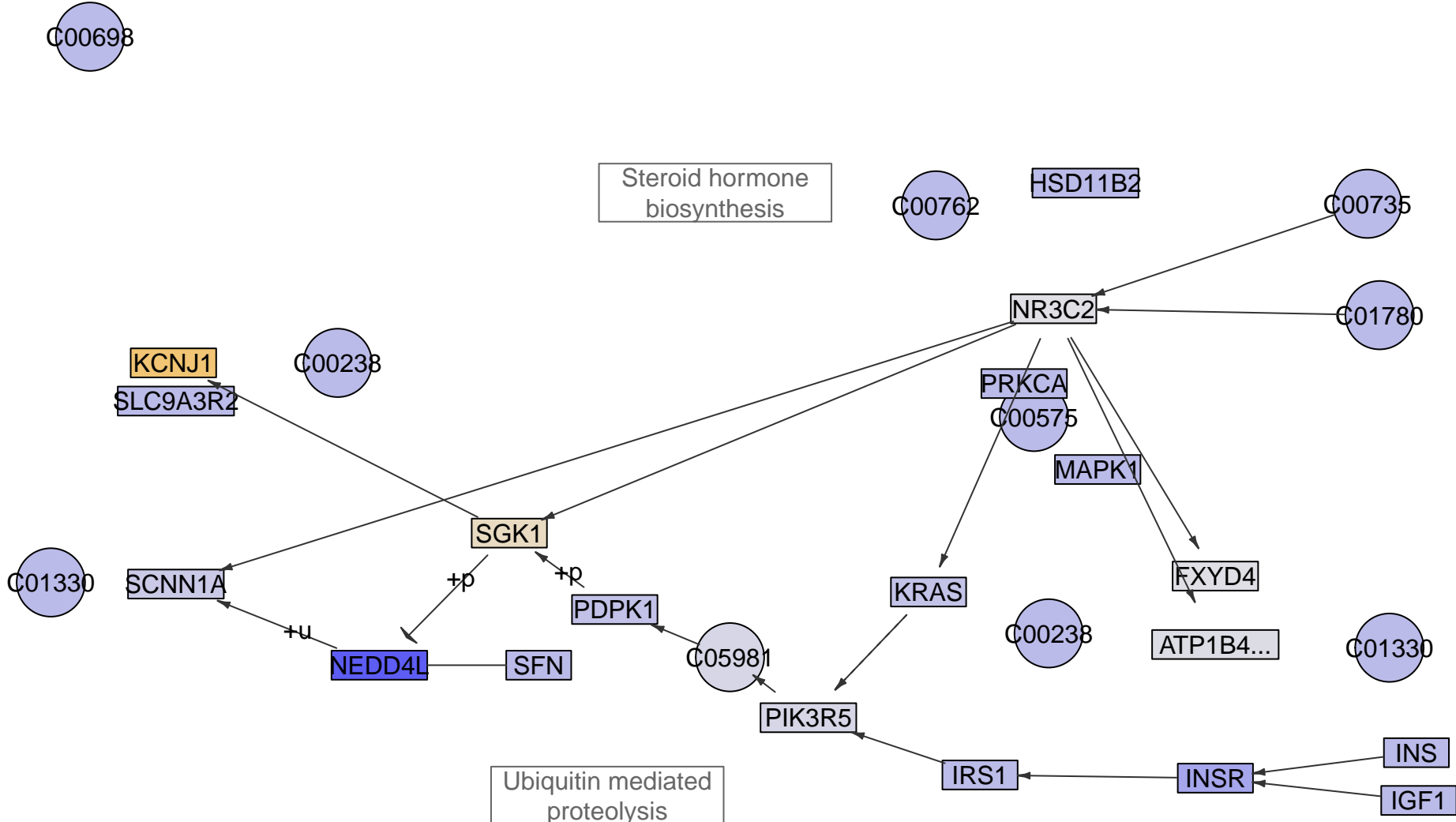
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-127

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

Aldosterone-regulated sodium reabsorption
MPI-129

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

+p

Aldosterone-regulated sodium reabsorption
MPI-132

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXJD4

C01330

+u

NEDD4L

SFN

ATP1B4...

C05981

PIK3R5

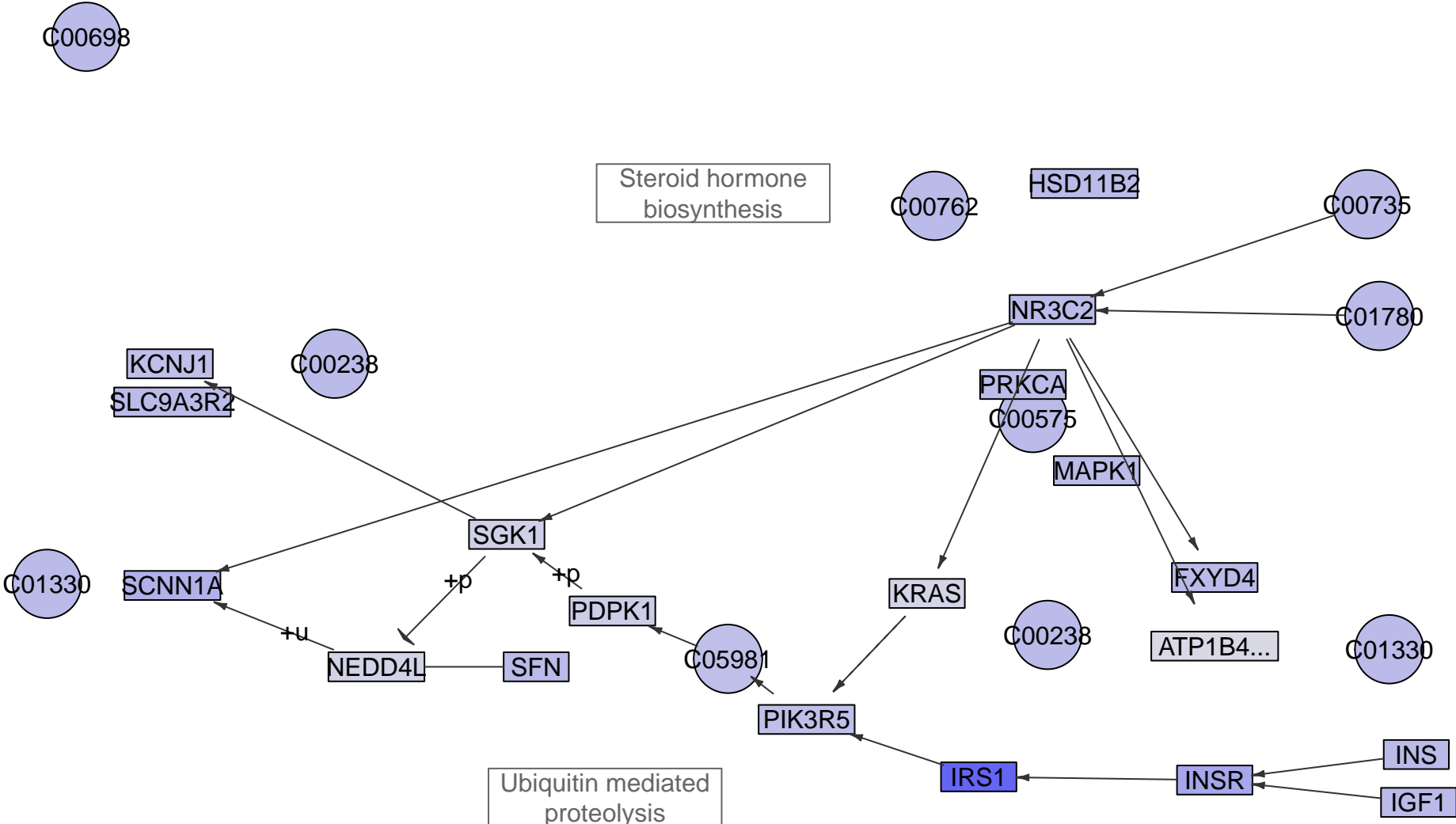
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-133

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

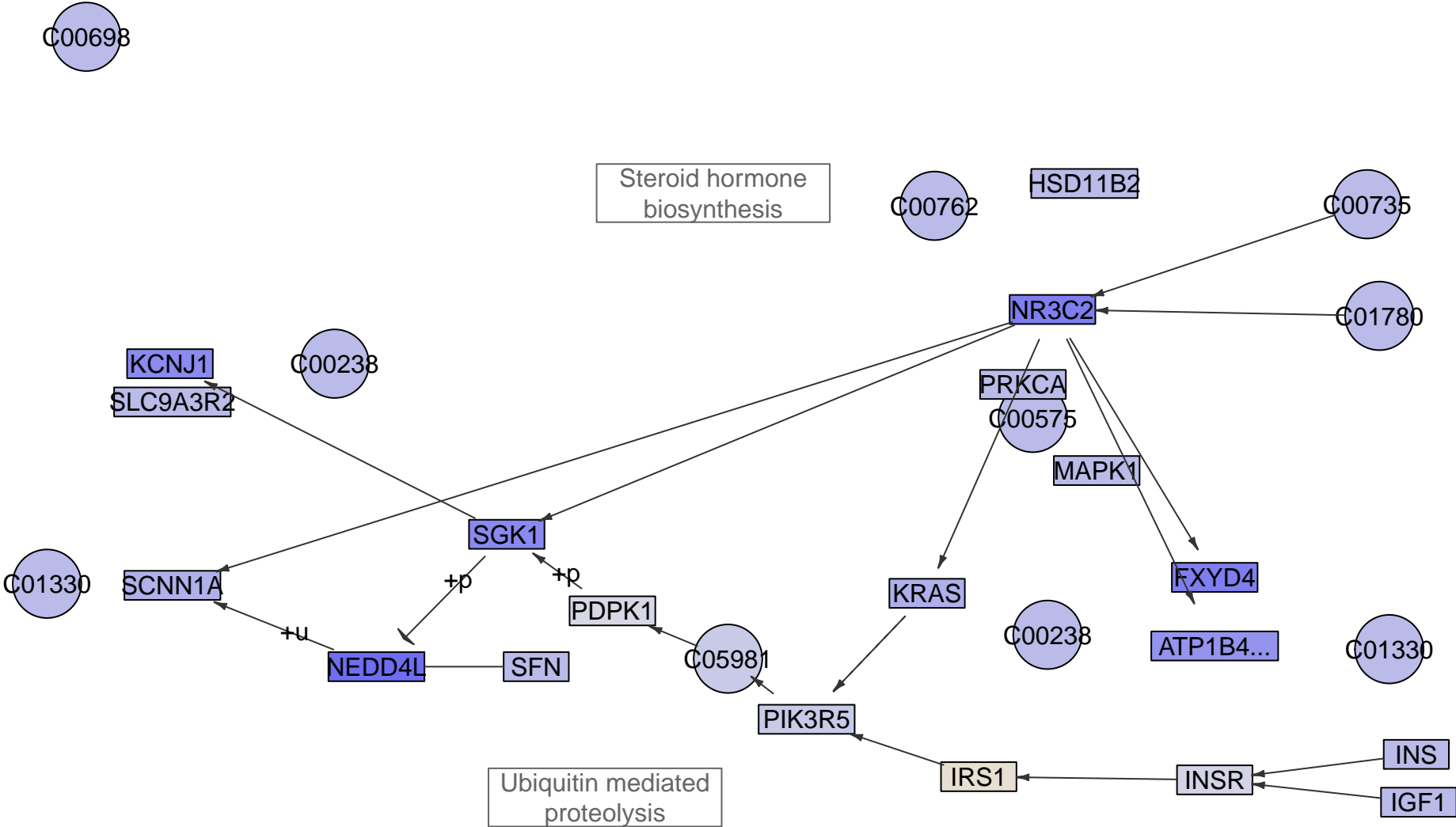
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-134

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

SFN

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

+u

PIK3R5

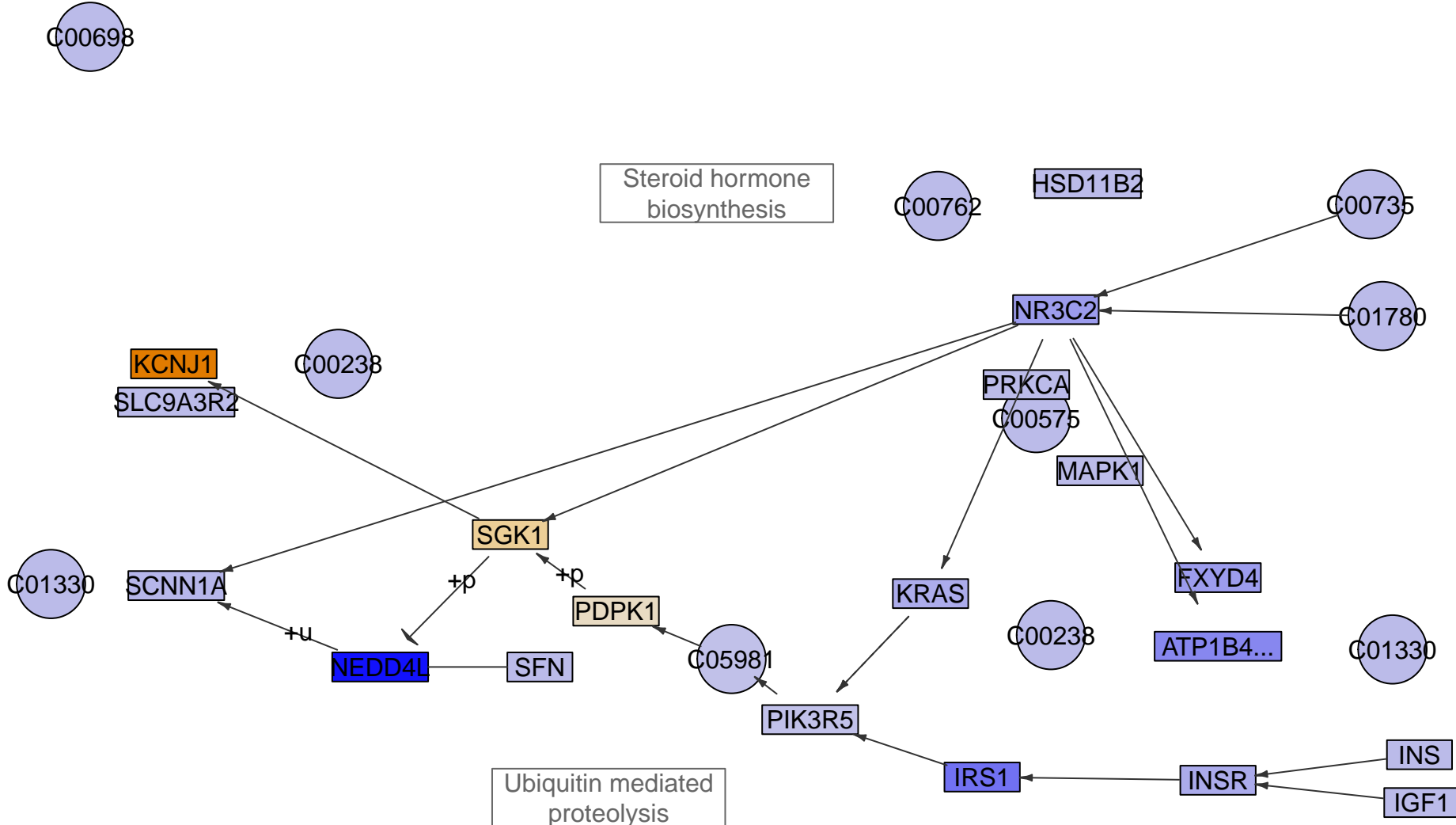
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-135

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

SFN

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

+u

PIK3R5

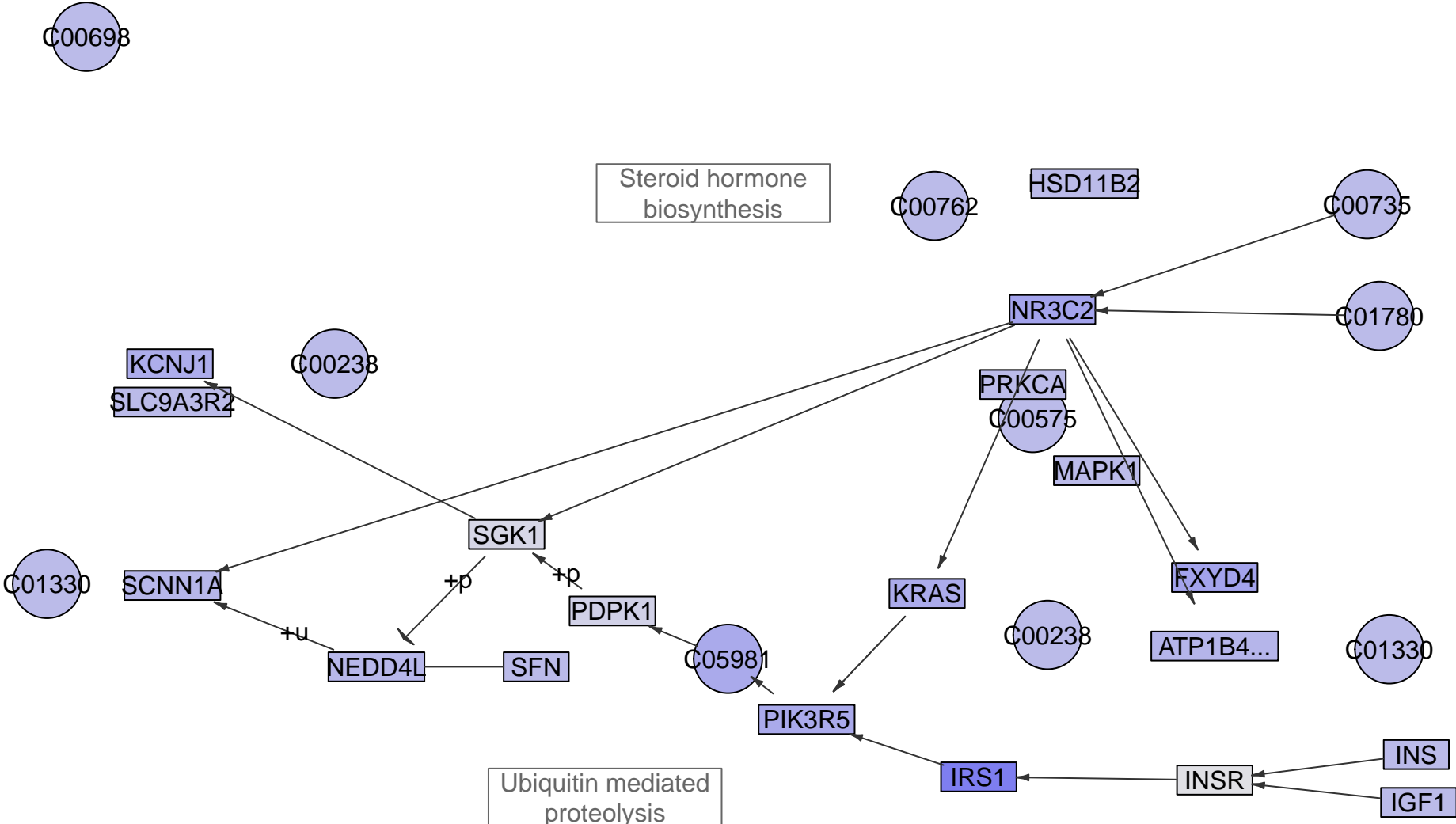
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-136

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

+u

NEDD4L

SFN

PIK3R5

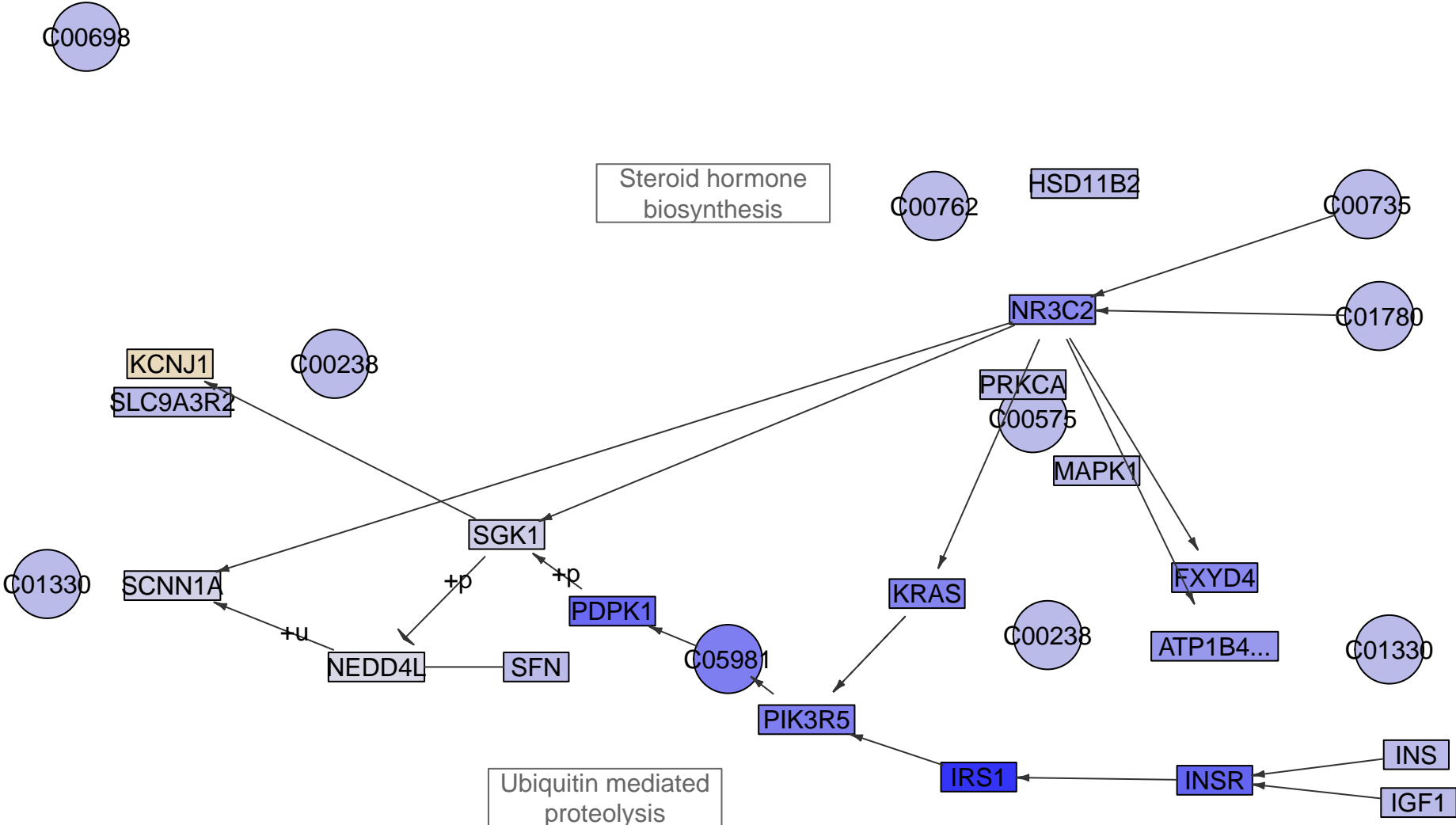
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-149

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

+p

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

+u

C05981

PIK3R5

ATP1B4...

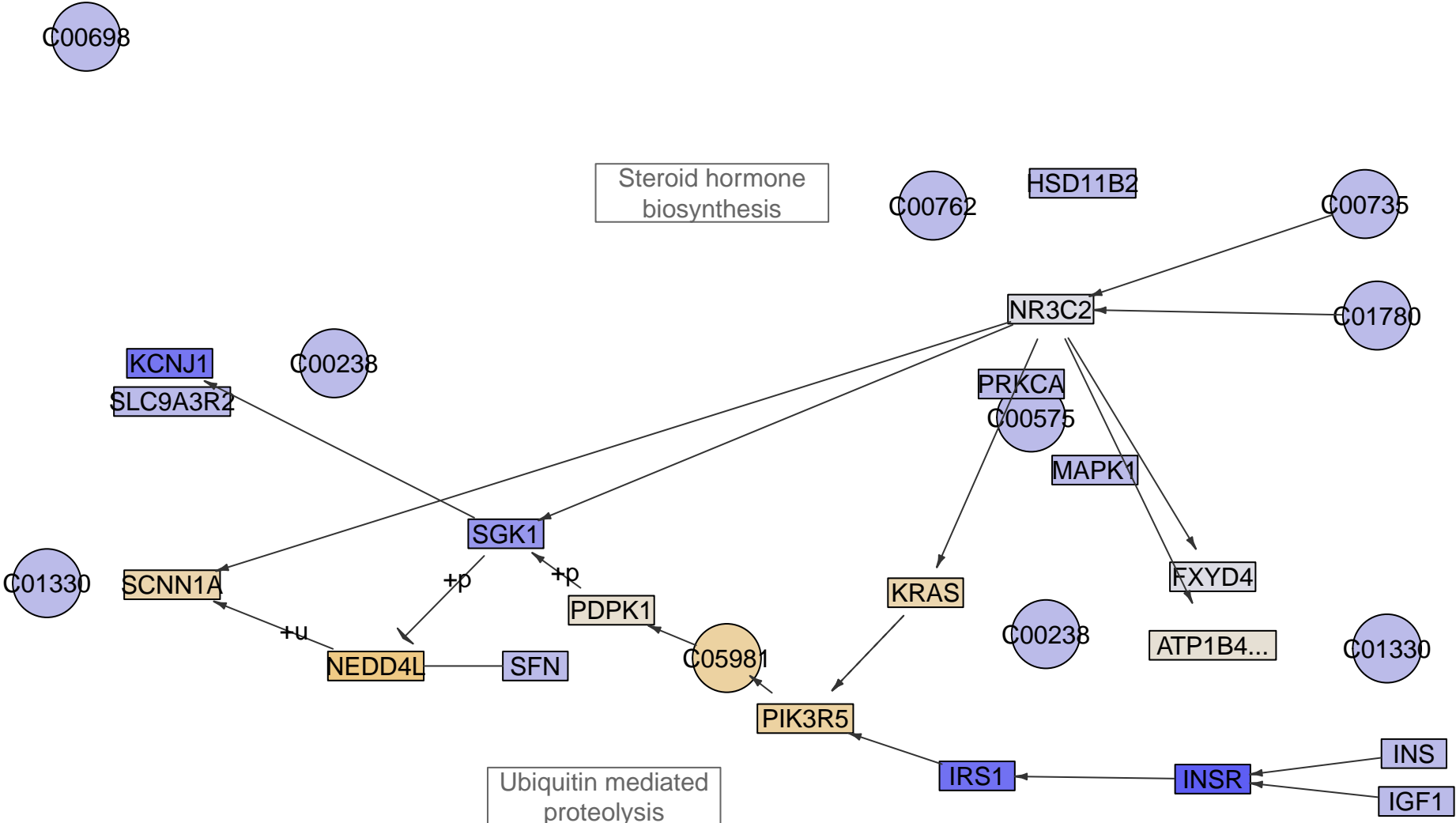
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-150

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

+p

Aldosterone-regulated sodium reabsorption
MPI-152

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

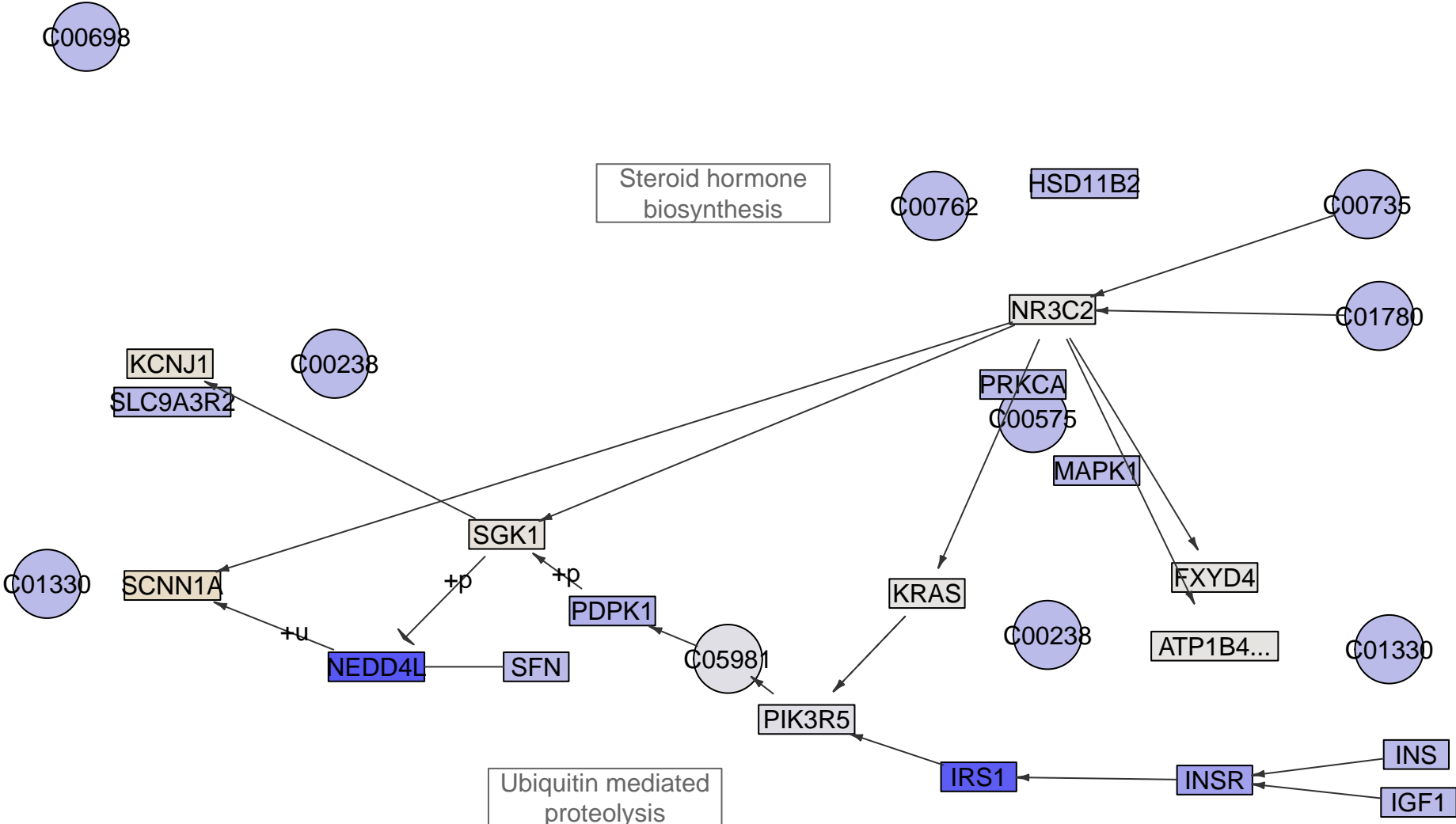
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-153

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

+p

+u

NEDD4L

SFN

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

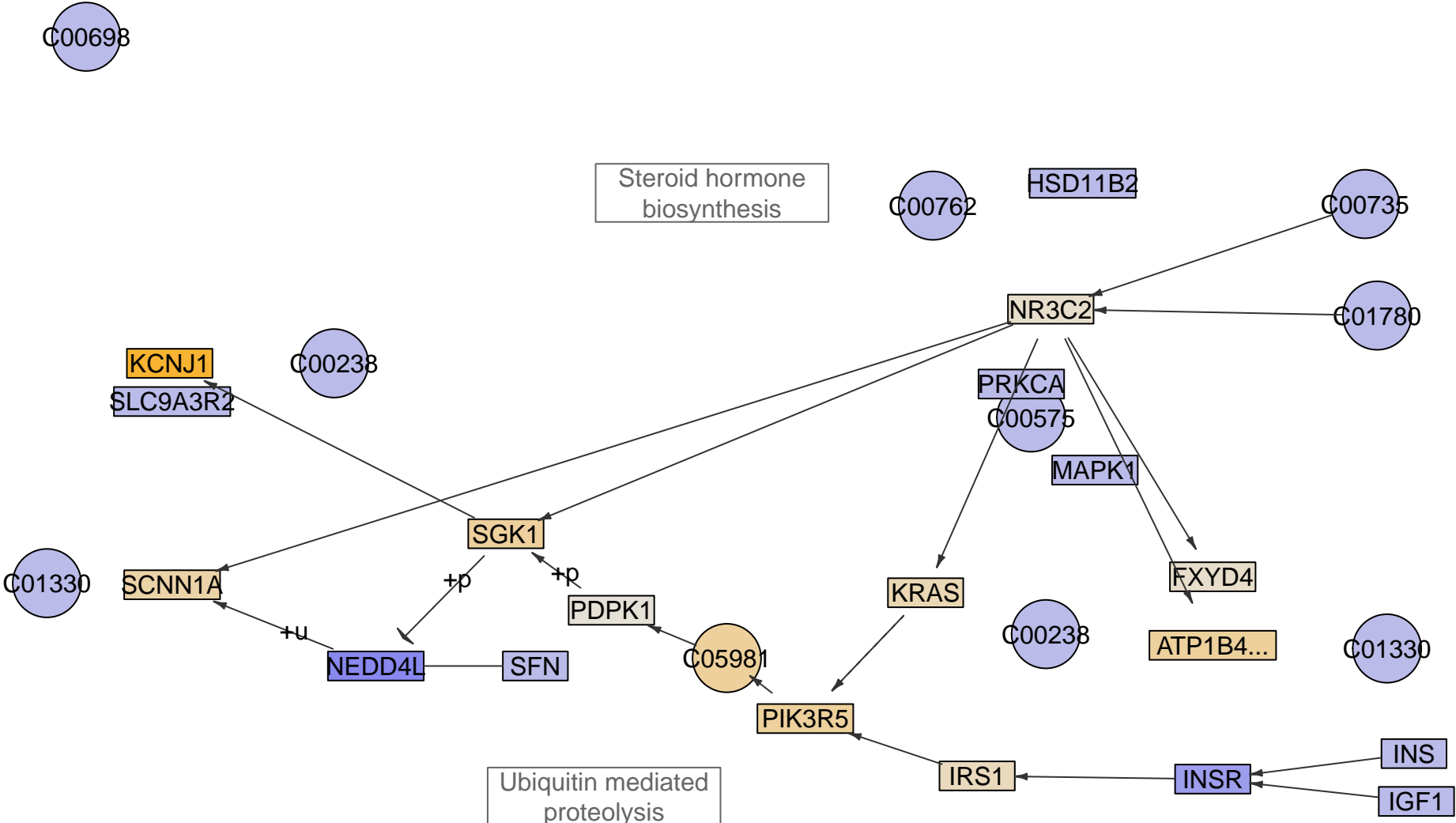
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-155

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

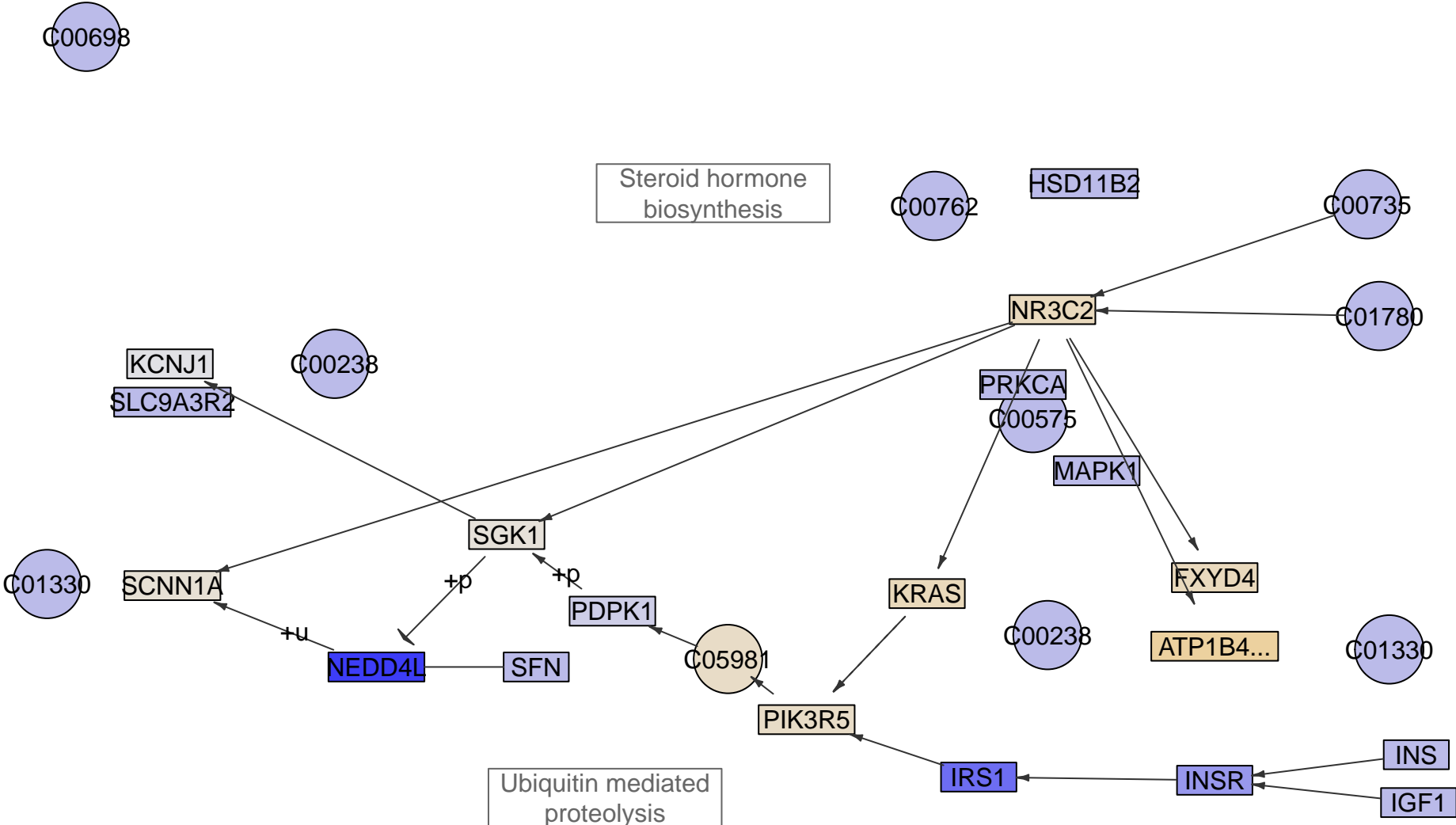
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-163

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXJD4

C01330

NEDD4L

SFN

PIK3R5

ATP1B4...

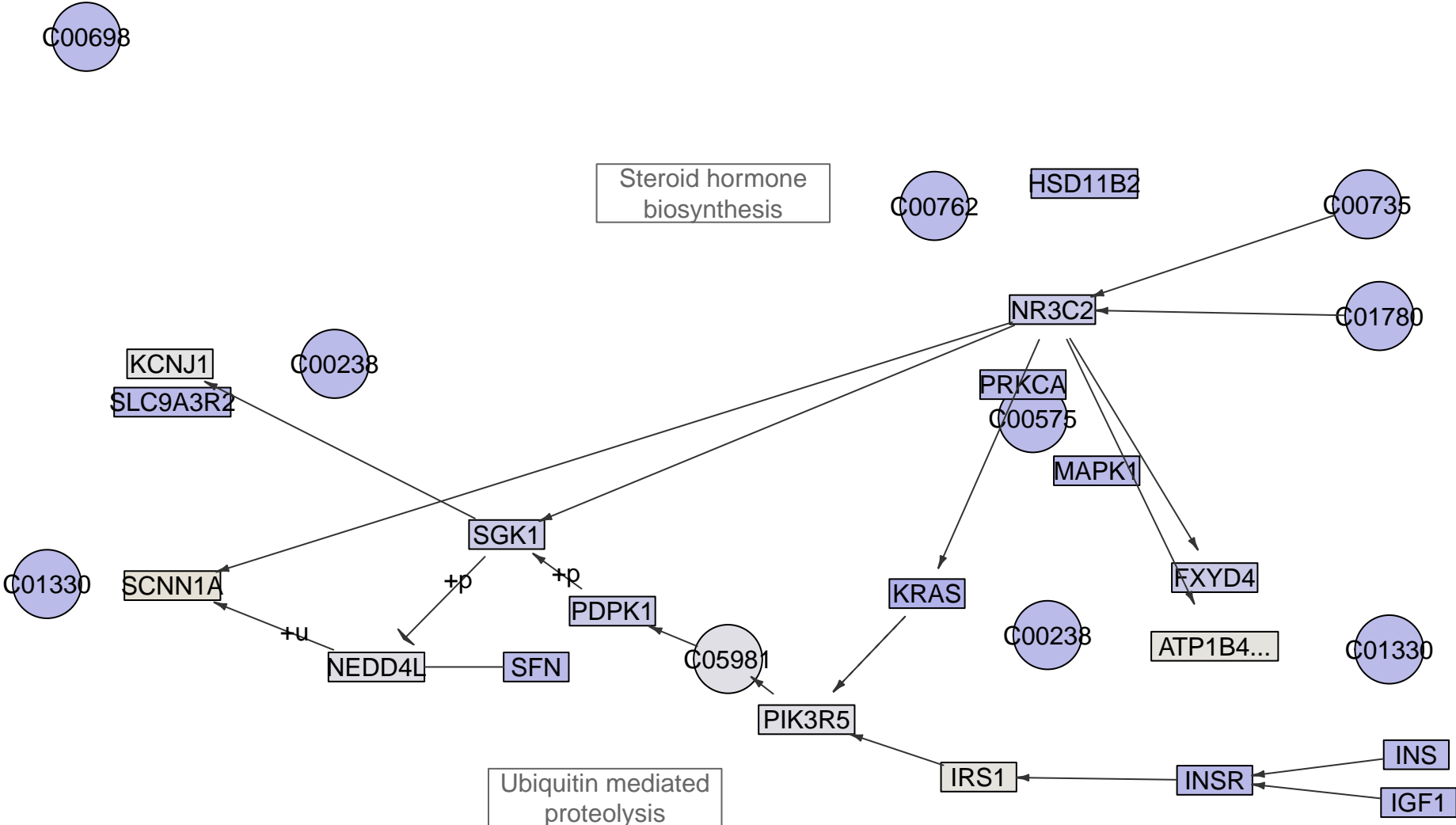
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-166

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

+u

NEDD4L

SFN

PIK3R5

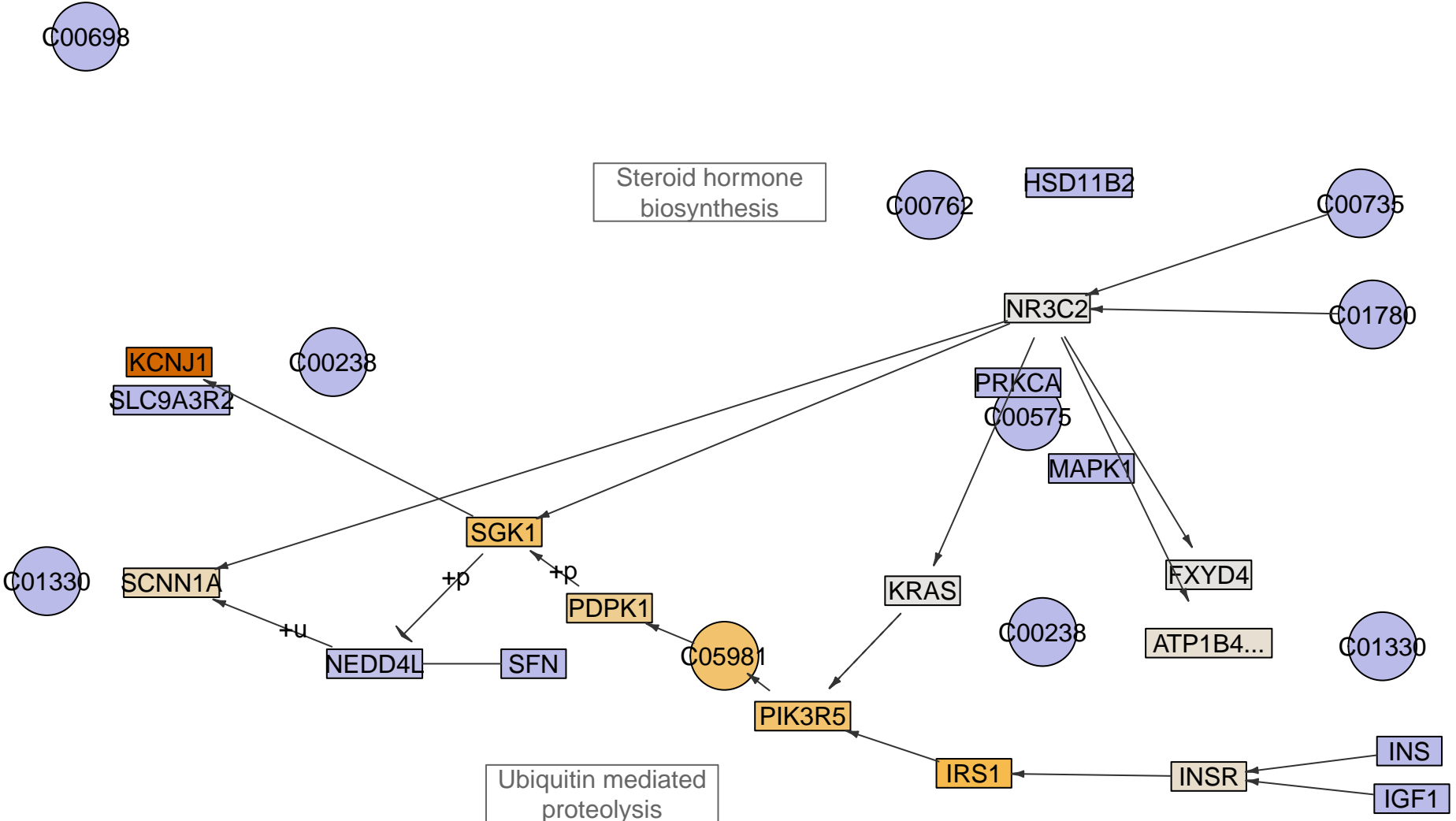
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-168

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

+p

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

C05981

PIK3R5

ATP1B4...

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

Aldosterone-regulated sodium reabsorption
MPI-170

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

ATP1B4...

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

Aldosterone-regulated sodium reabsorption
MPI-174

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

Aldosterone-regulated sodium reabsorption
MPI-178

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

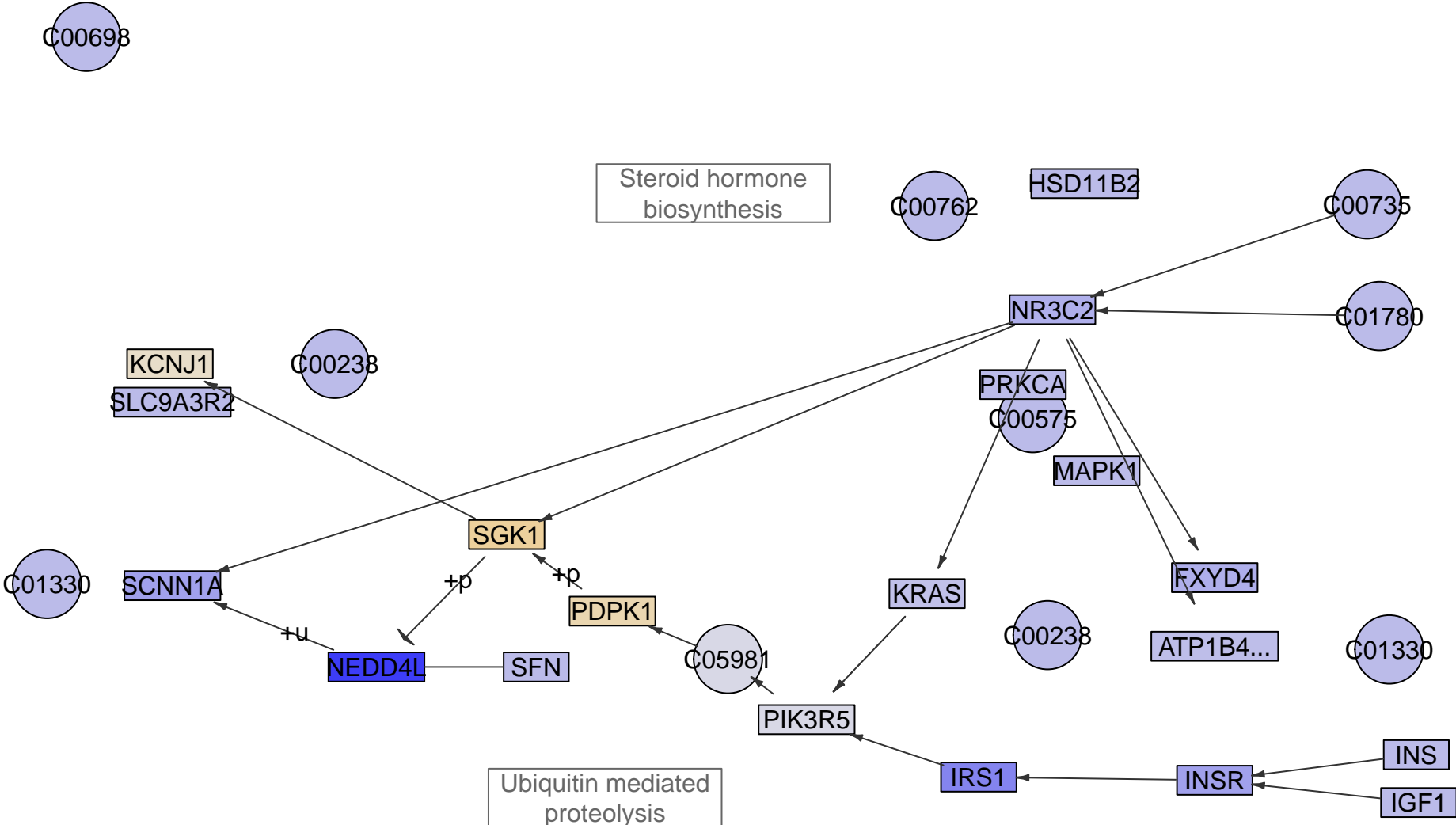
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-179

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

SFN

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

+u

PIK3R5

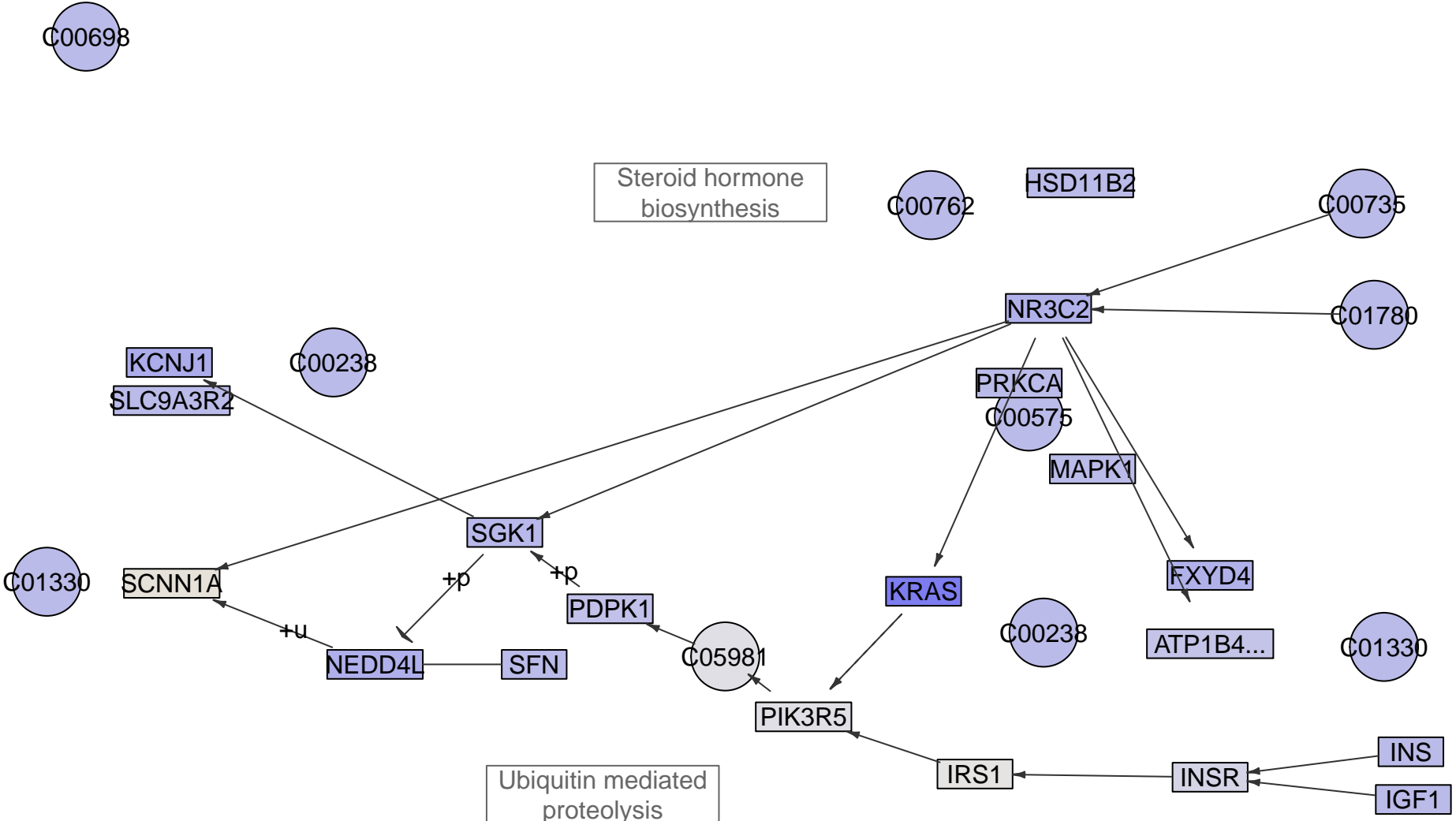
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-180

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

SGK1

PRKCA

C00575

MAPK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXRD4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

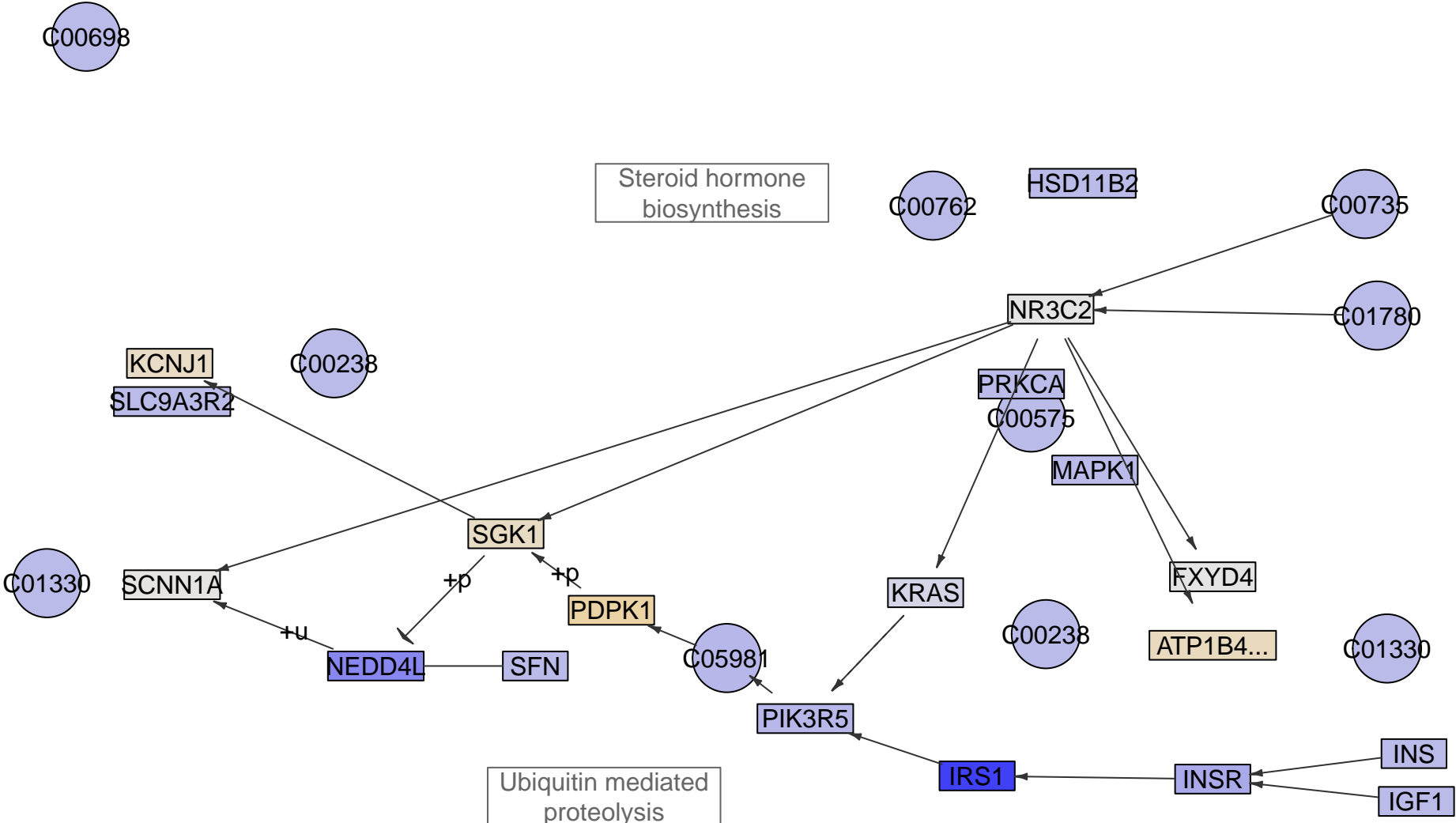
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-182

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

Aldosterone-regulated sodium reabsorption
MPI-185

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

+u

NEDD4L

SFN

ATP1B4...

Ubiquitin mediated proteolysis

PIK3R5

IRS1

INSR

INS

IGF1

Aldosterone-regulated sodium reabsorption
MPI-186

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

+p

Aldosterone-regulated sodium reabsorption
MPI-190

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

+u

NEDD4L

SFN

PIK3R5

ATP1B4...

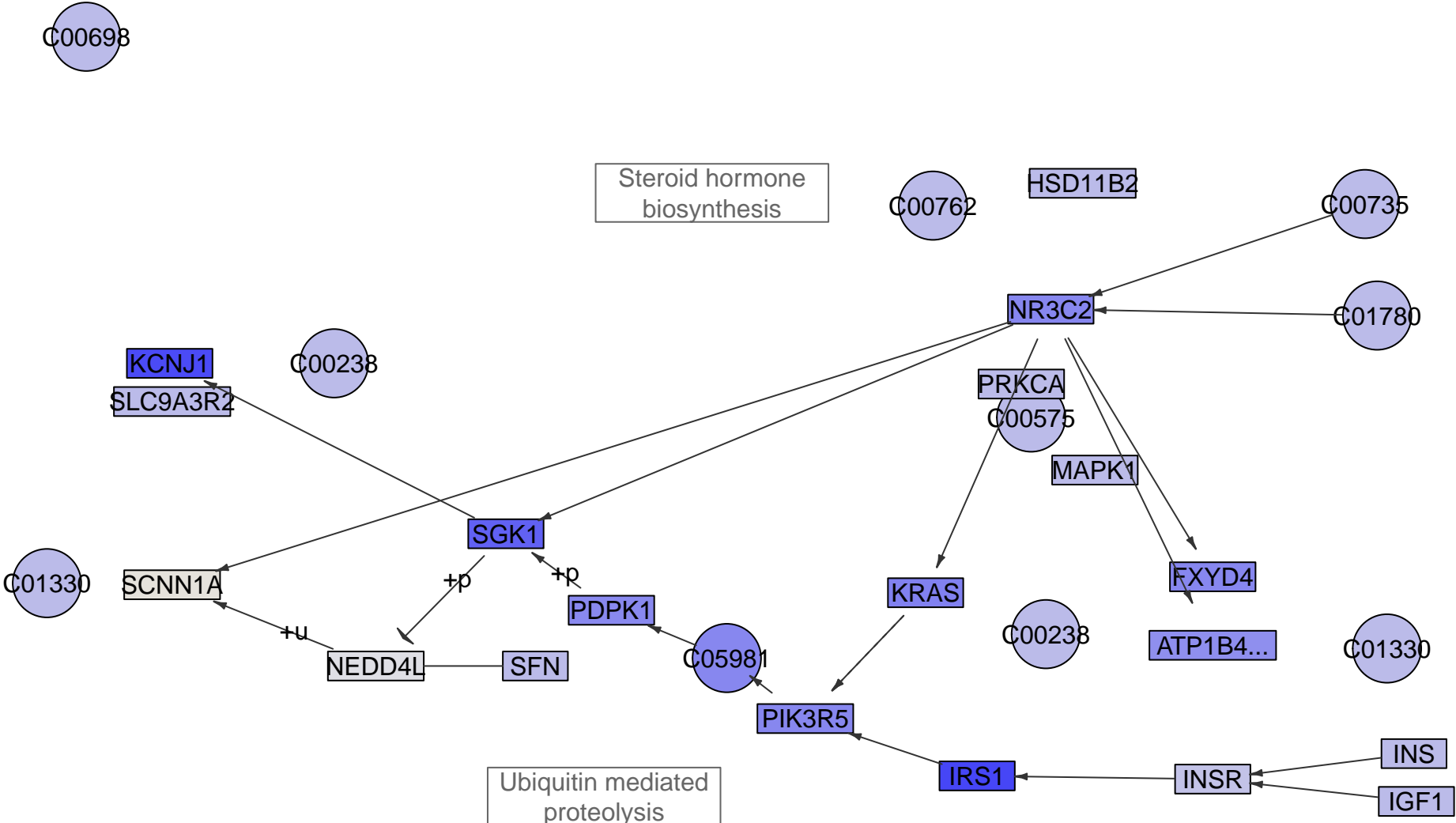
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-192

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

+u

NEDD4L

SFN

PIK3R5

ATP1B4...

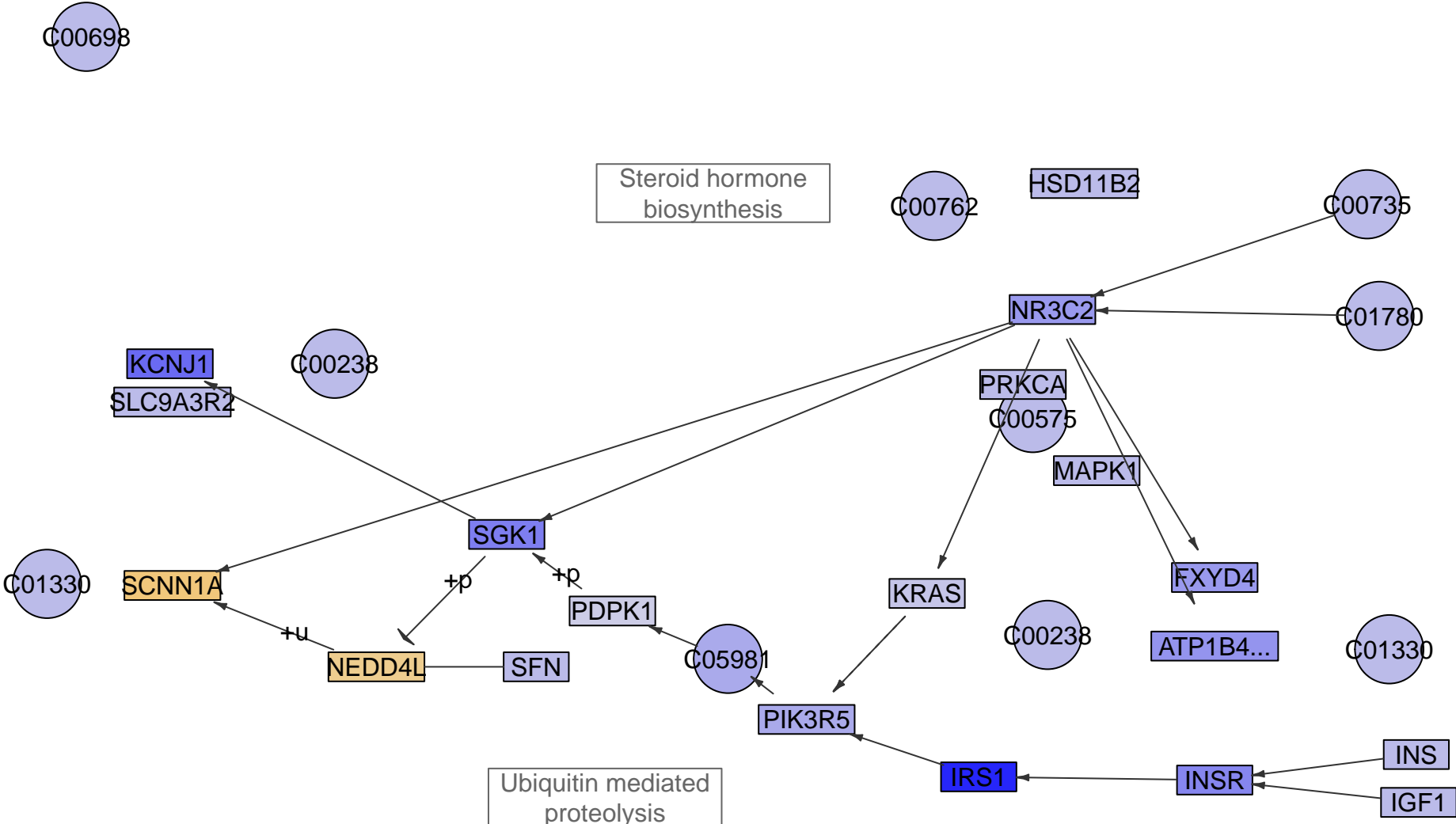
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-195

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

KRAS

C00238

FXYD4

ATP1B4...

C01330

Ubiquitin mediated proteolysis

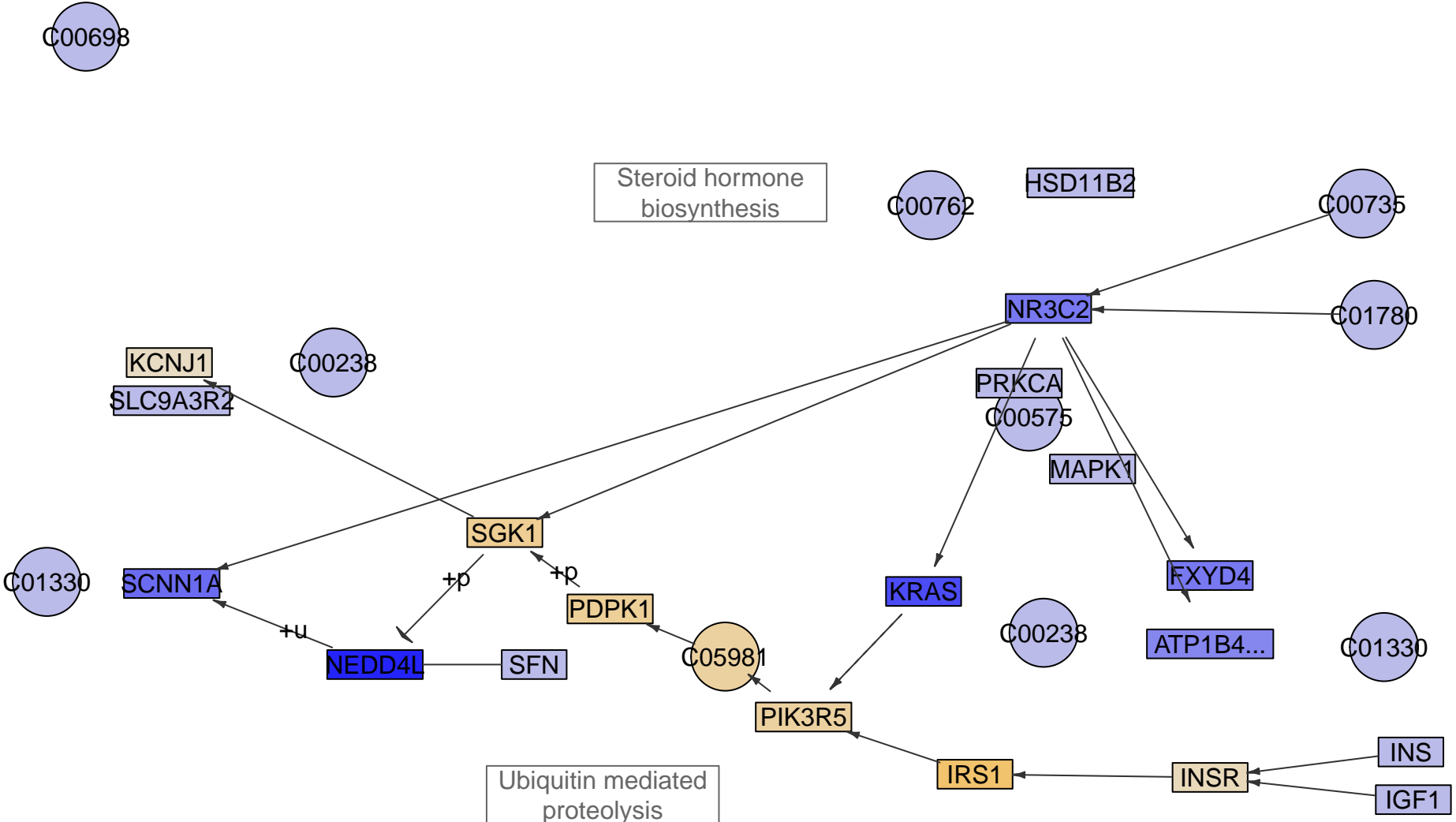
PIK3R5

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-198

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

SGK1

PRKCA

C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

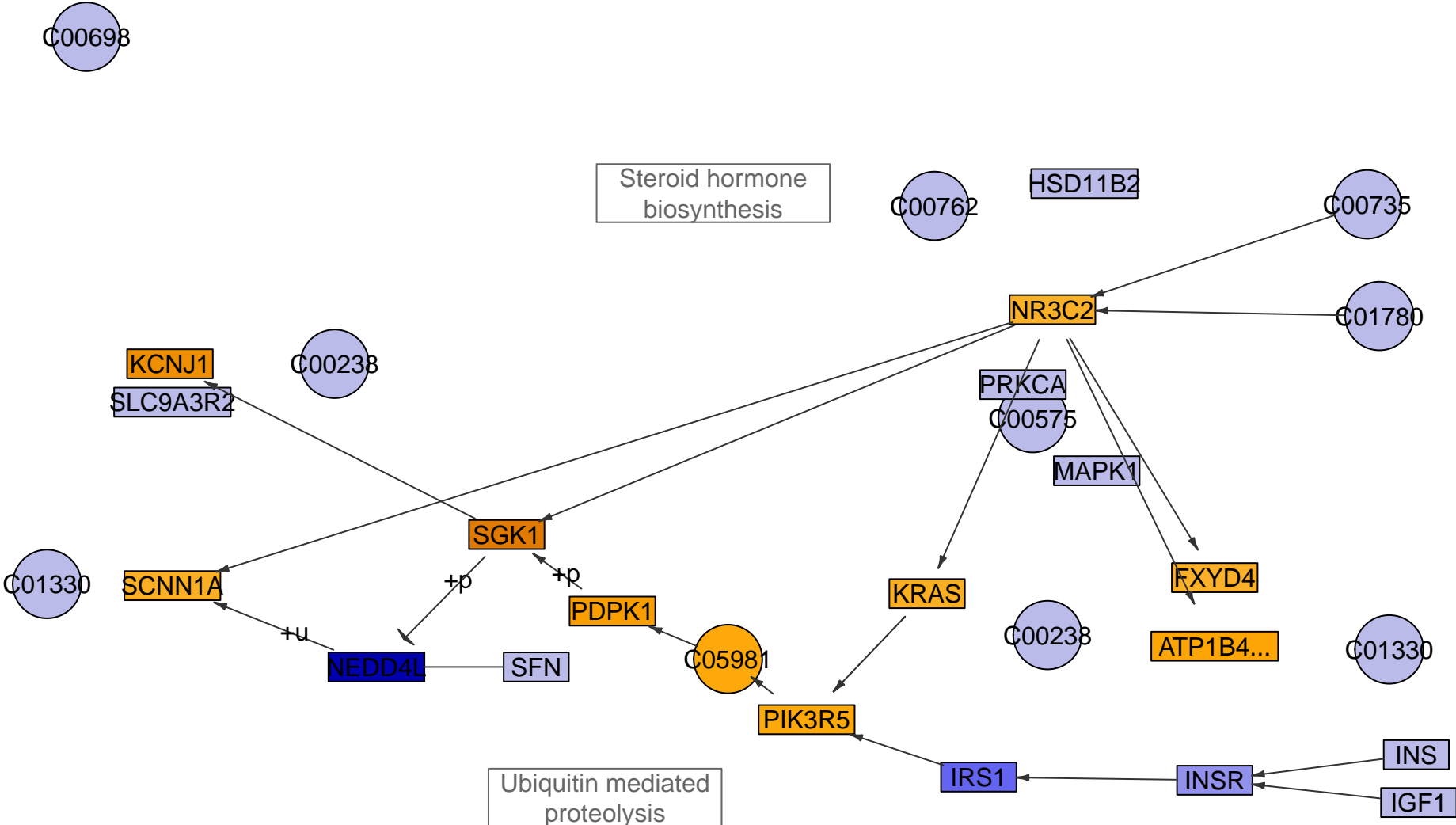
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-199

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

+p

+u

NEDD4L

SFN

C05981

KRAS

C00238

ATP1B4...

C01330

FXYP4

PIK3R5

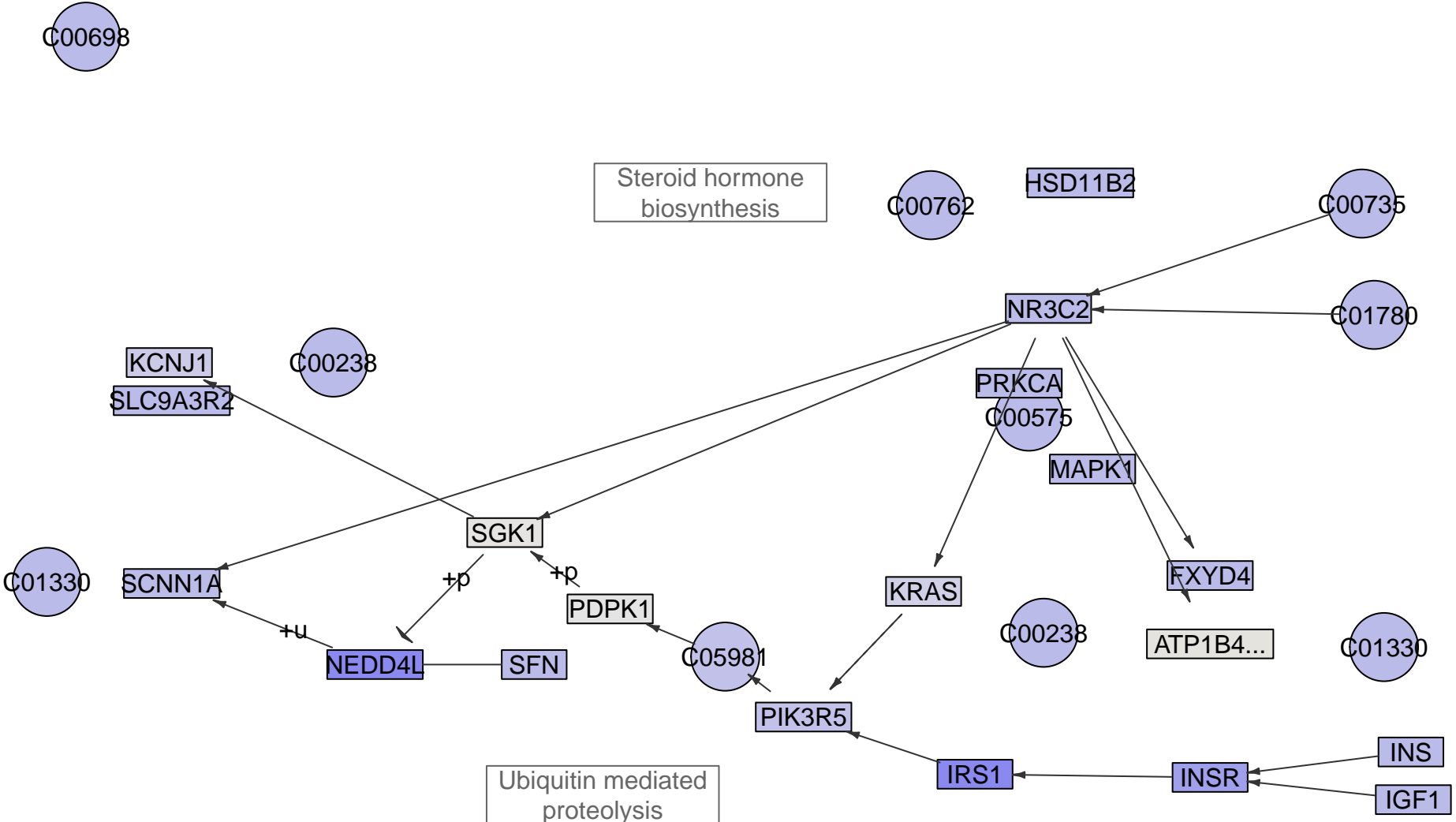
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-201

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

SFN

C05981

PIK3R5

KRAS

C00238

ATP1B4...

C01330

FXYP4

NEDD4L

+u

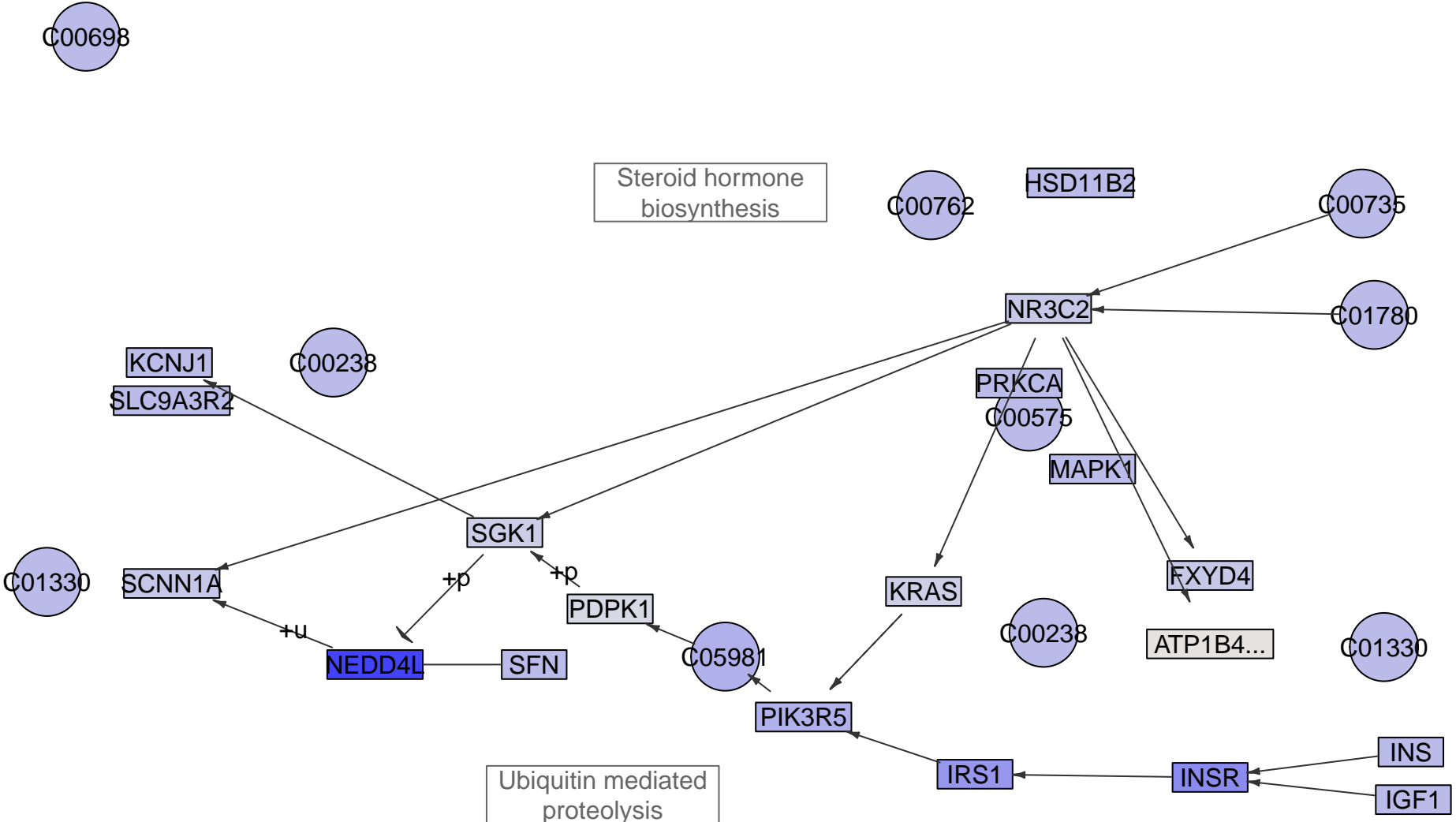
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-202

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

ATP1B4...

NEDD4L

SFN

PIK3R5

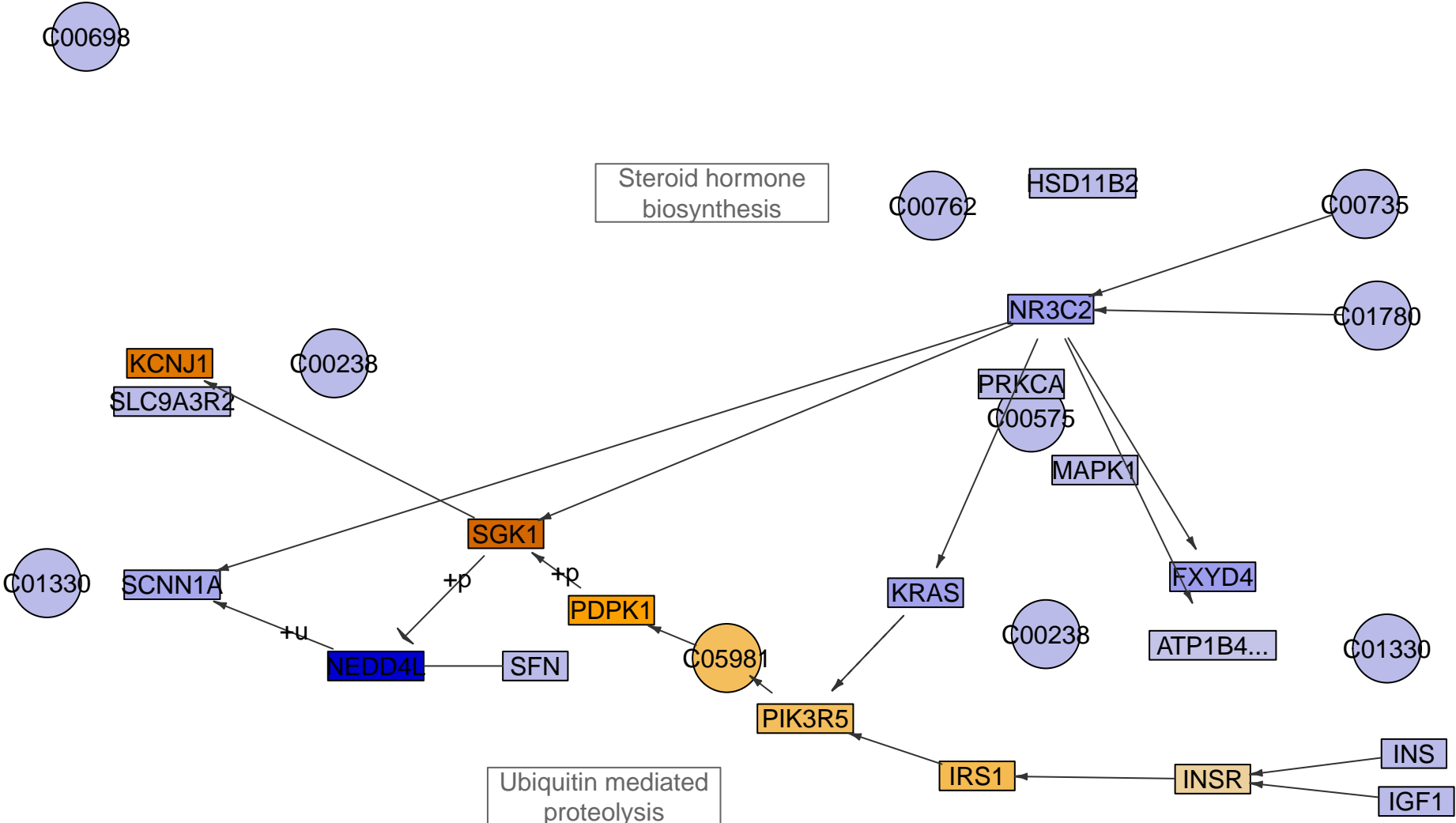
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-204

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

Aldosterone-regulated sodium reabsorption
MPI-206

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

+p

+u

NEDD4L

SFN

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

FXVD4

Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1

Aldosterone-regulated sodium reabsorption
MPI-208

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

+u

NEDD4L

SFN

PIK3R5

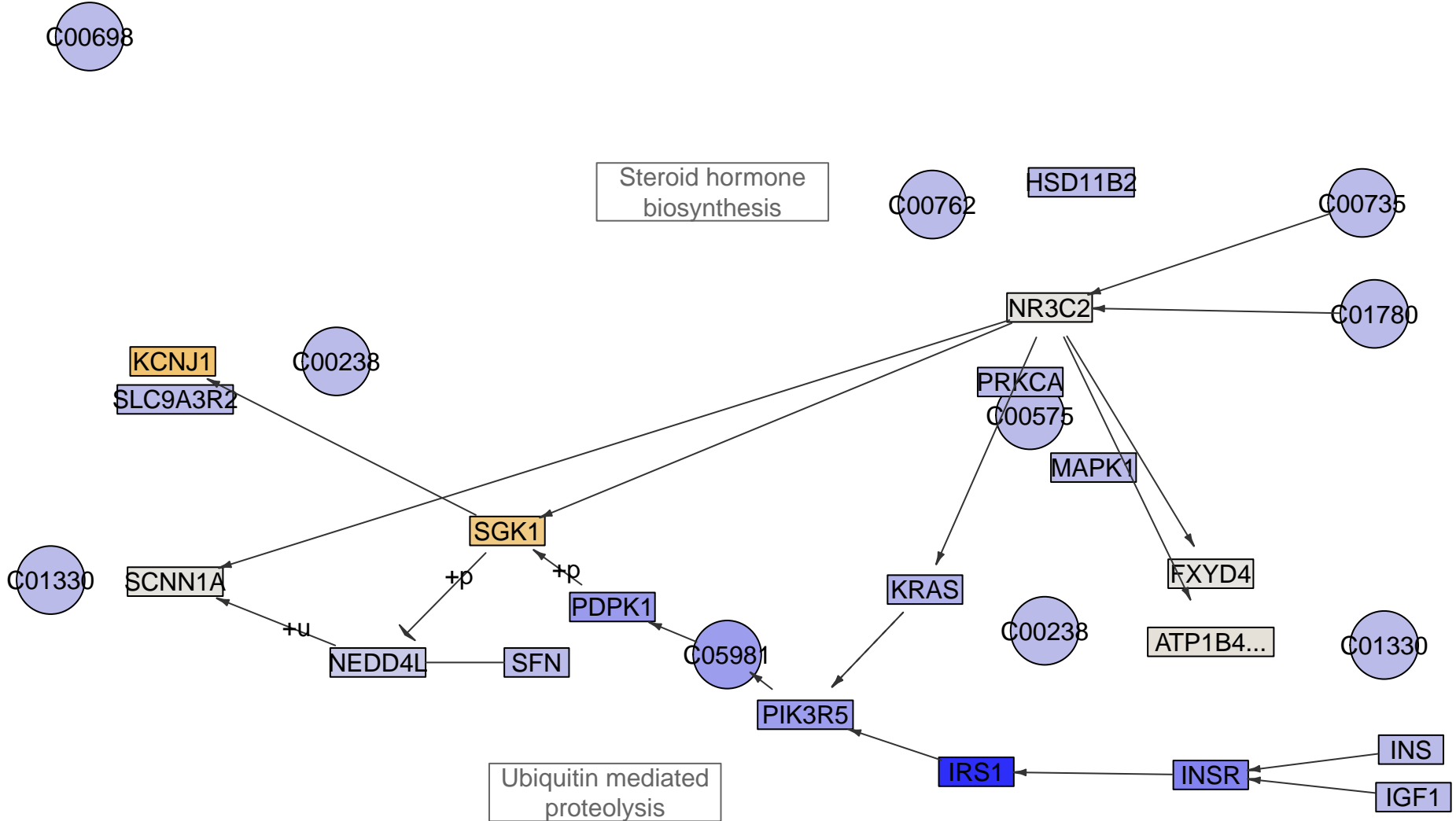
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-209

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

+p

Aldosterone-regulated sodium reabsorption
MPI-210

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

+u

NEDD4L

SFN

PIK3R5

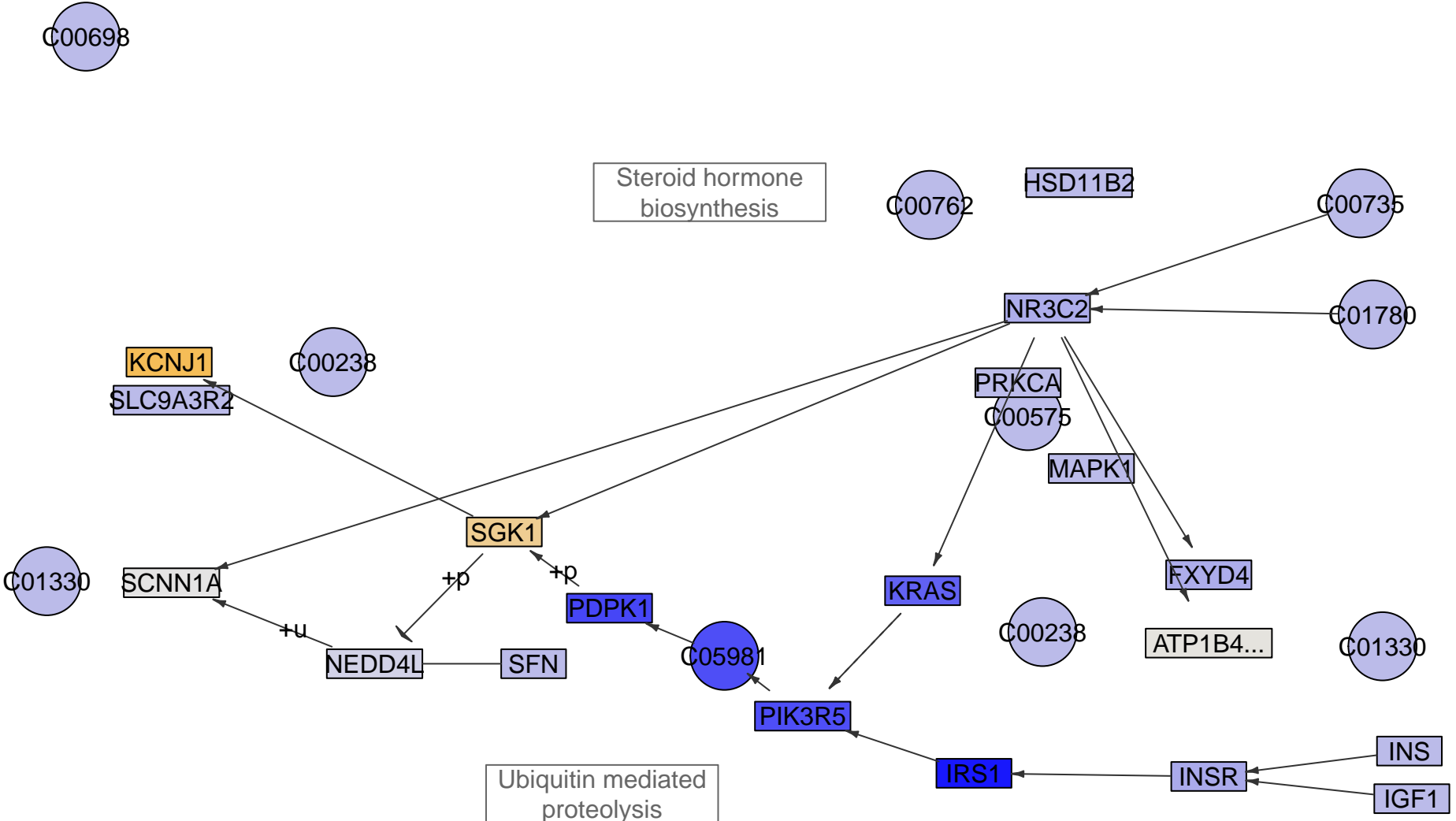
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-212

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

SGK1

PRKCA

C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

Aldosterone-regulated sodium reabsorption
MPI-213

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

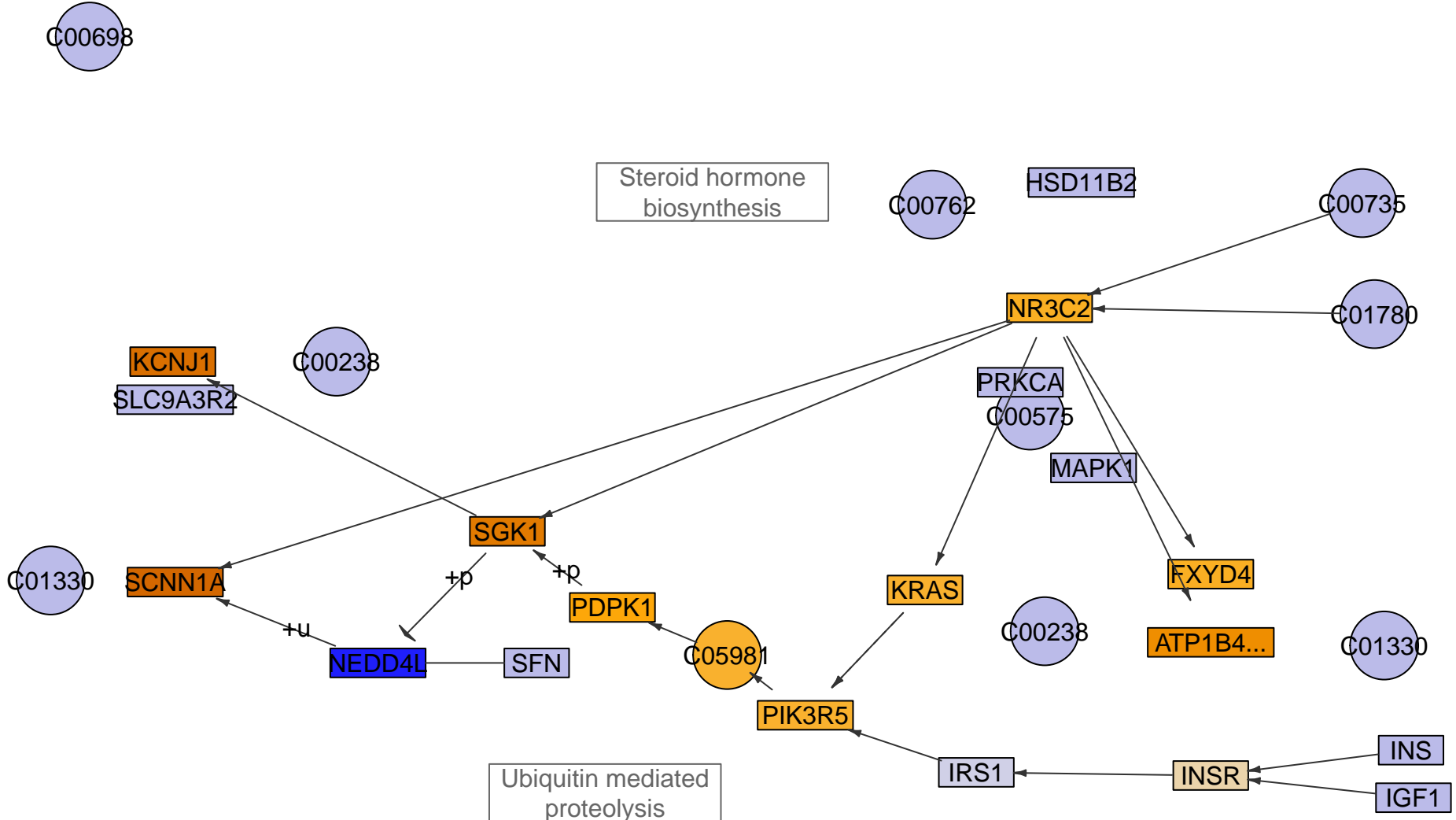
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-215

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

Aldosterone-regulated sodium reabsorption
MPI-219

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

ATP1B4...

NEDD4L

SFN

PIK3R5

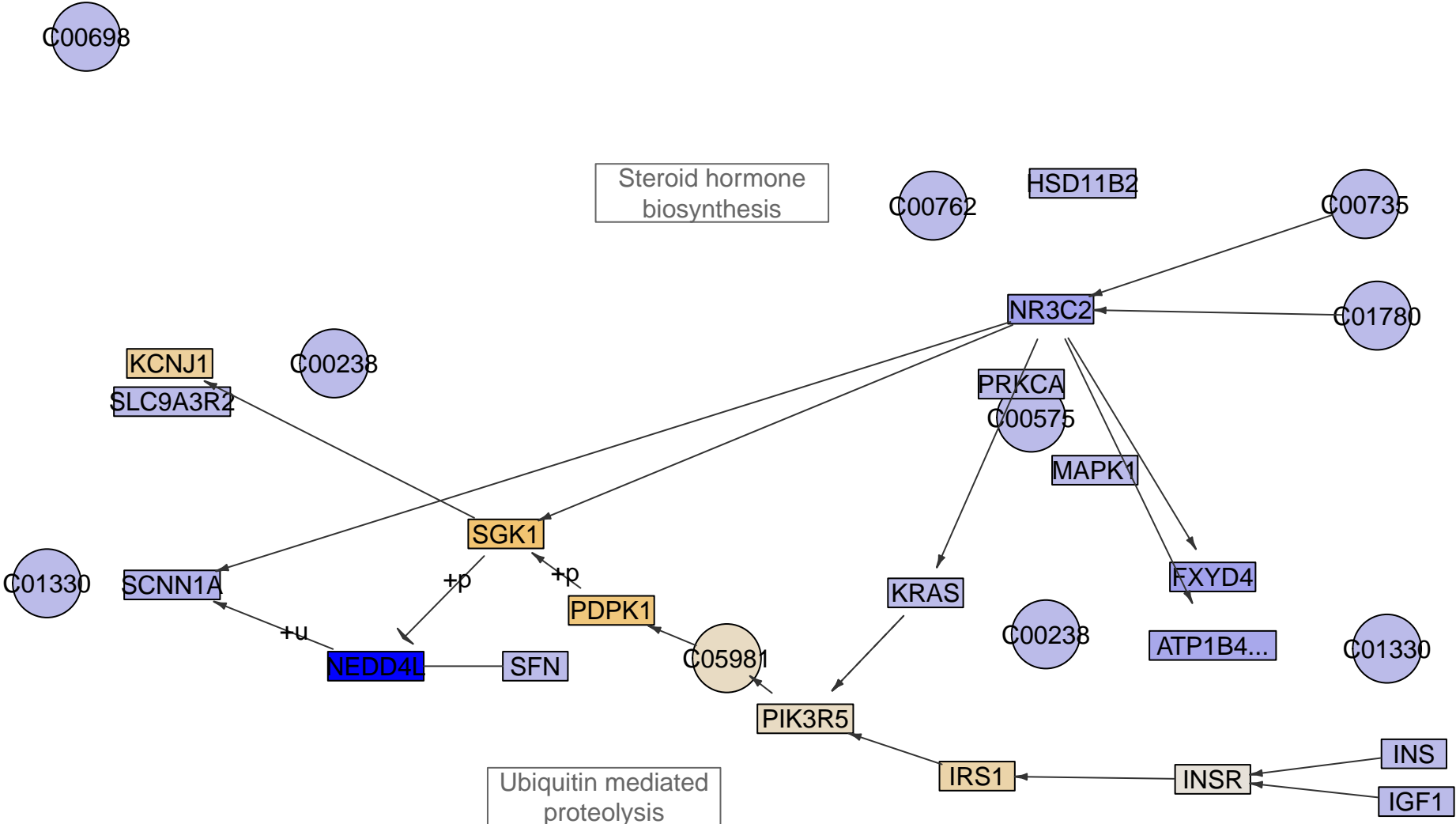
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-223a

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

+p

NEDD4L

SFN

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

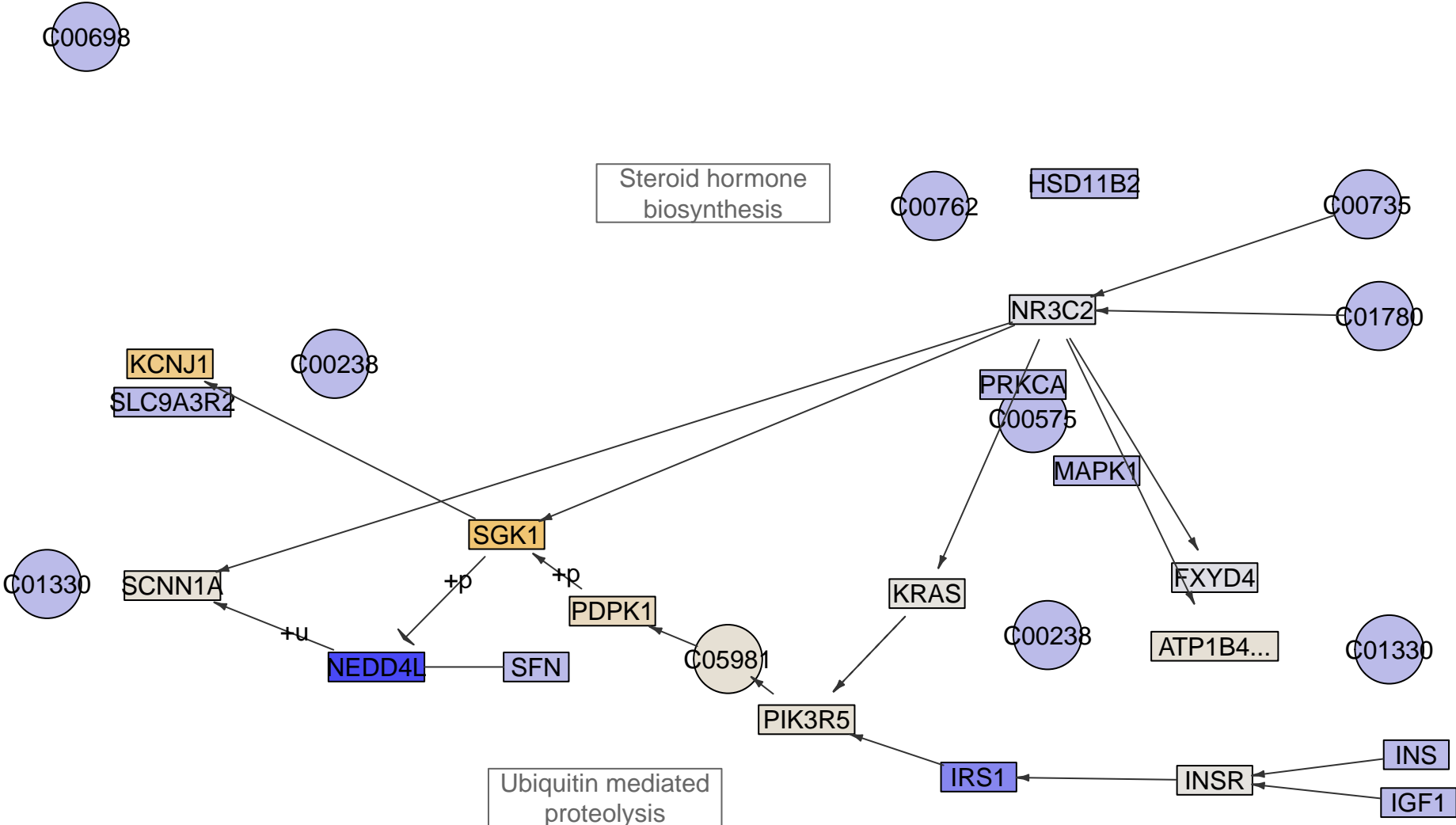
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-224

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

+u

NEDD4L

SFN

ATP1B4...

C01330

PIK3R5

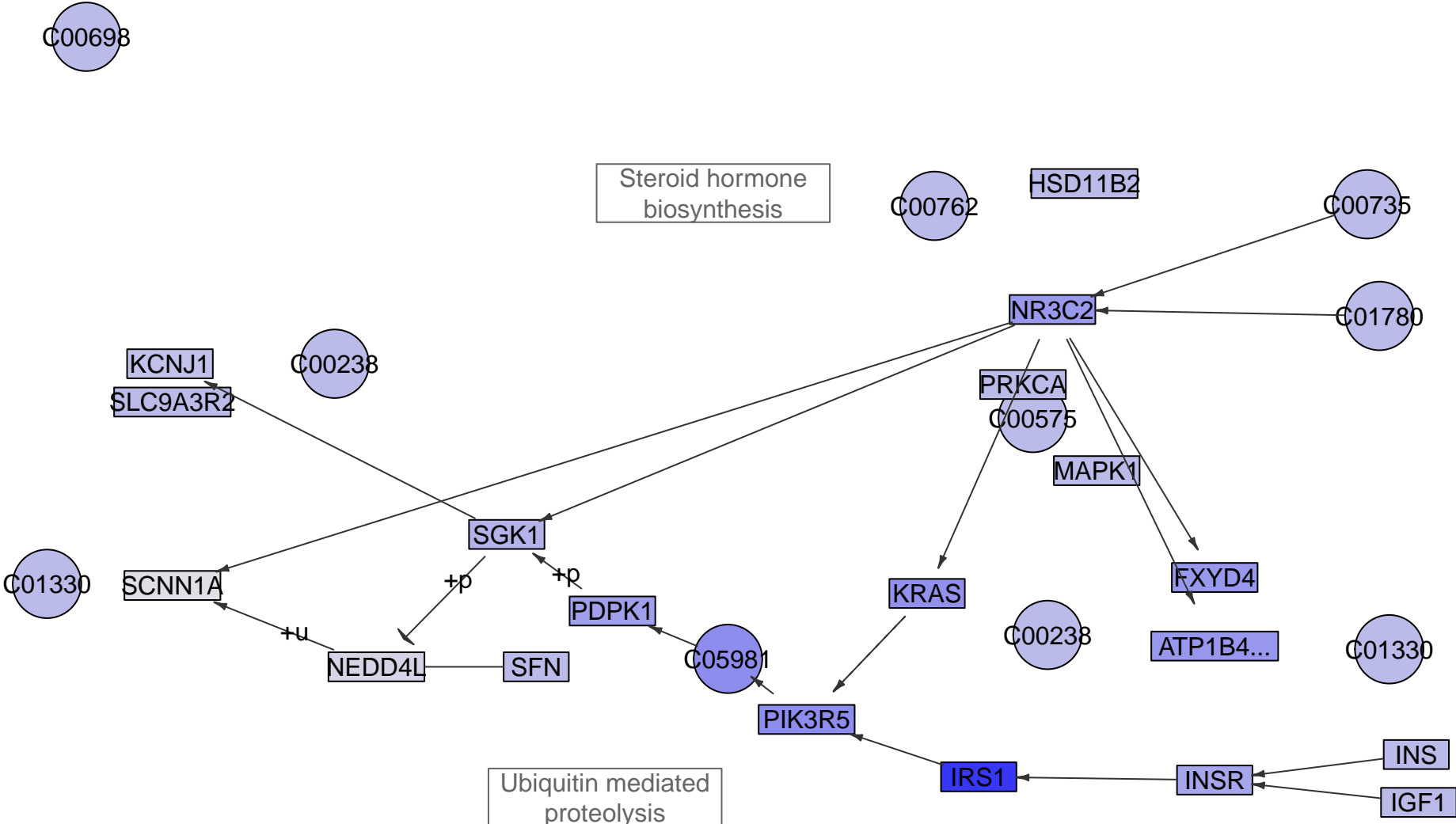
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-226

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

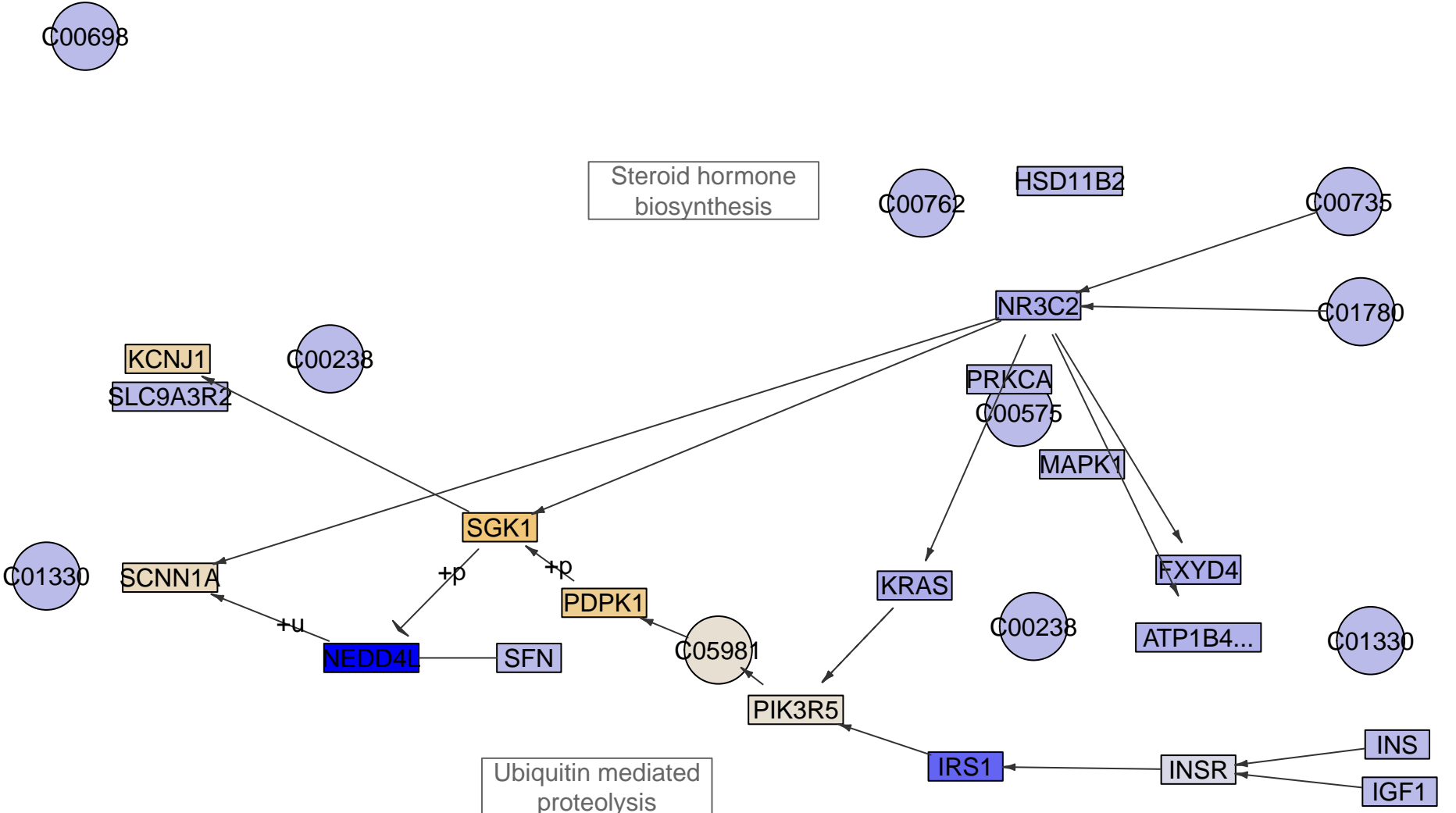
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-227

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

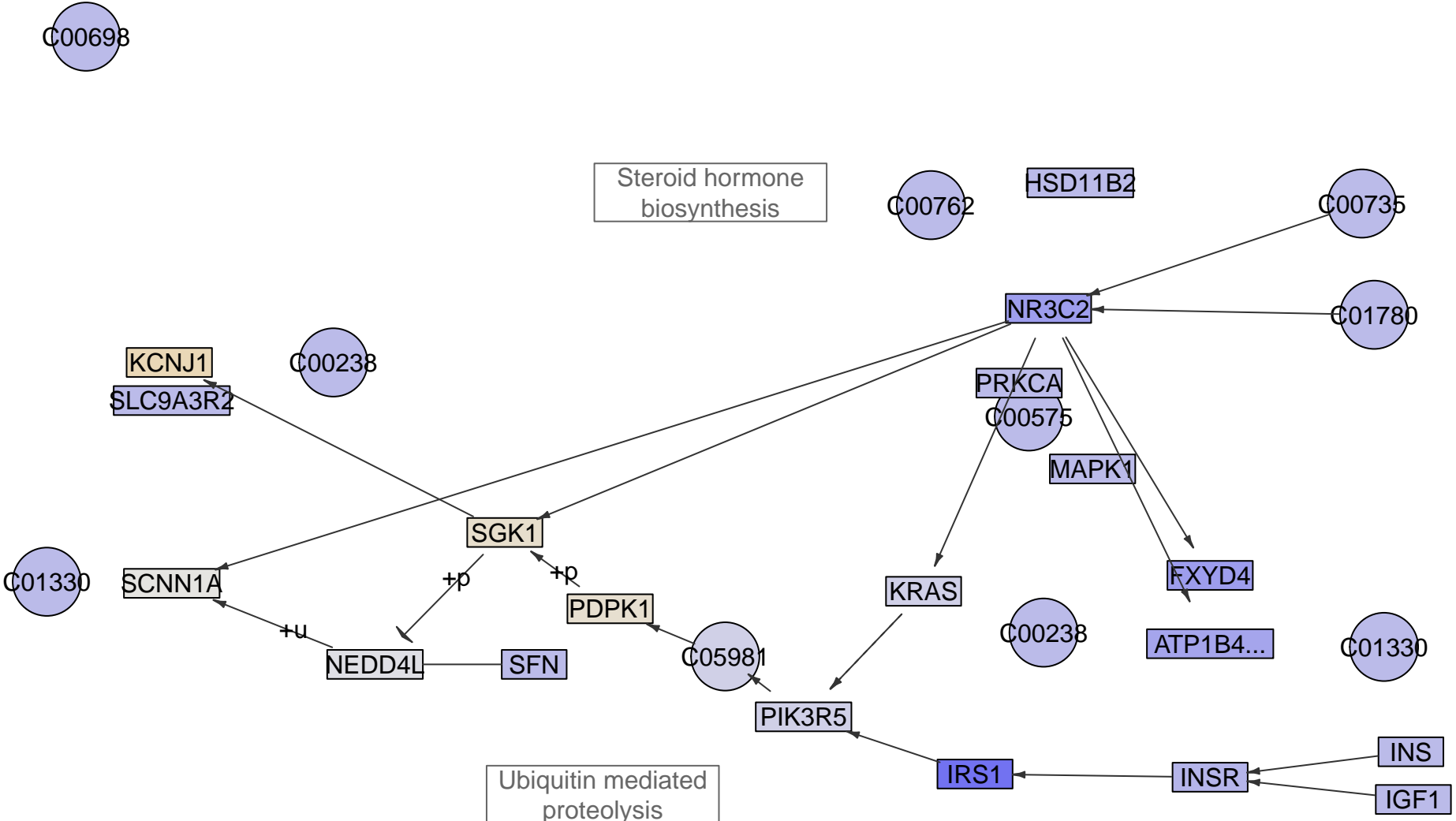
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-228

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

ATP1B4...

NEDD4L

SFN

+u

PIK3R5

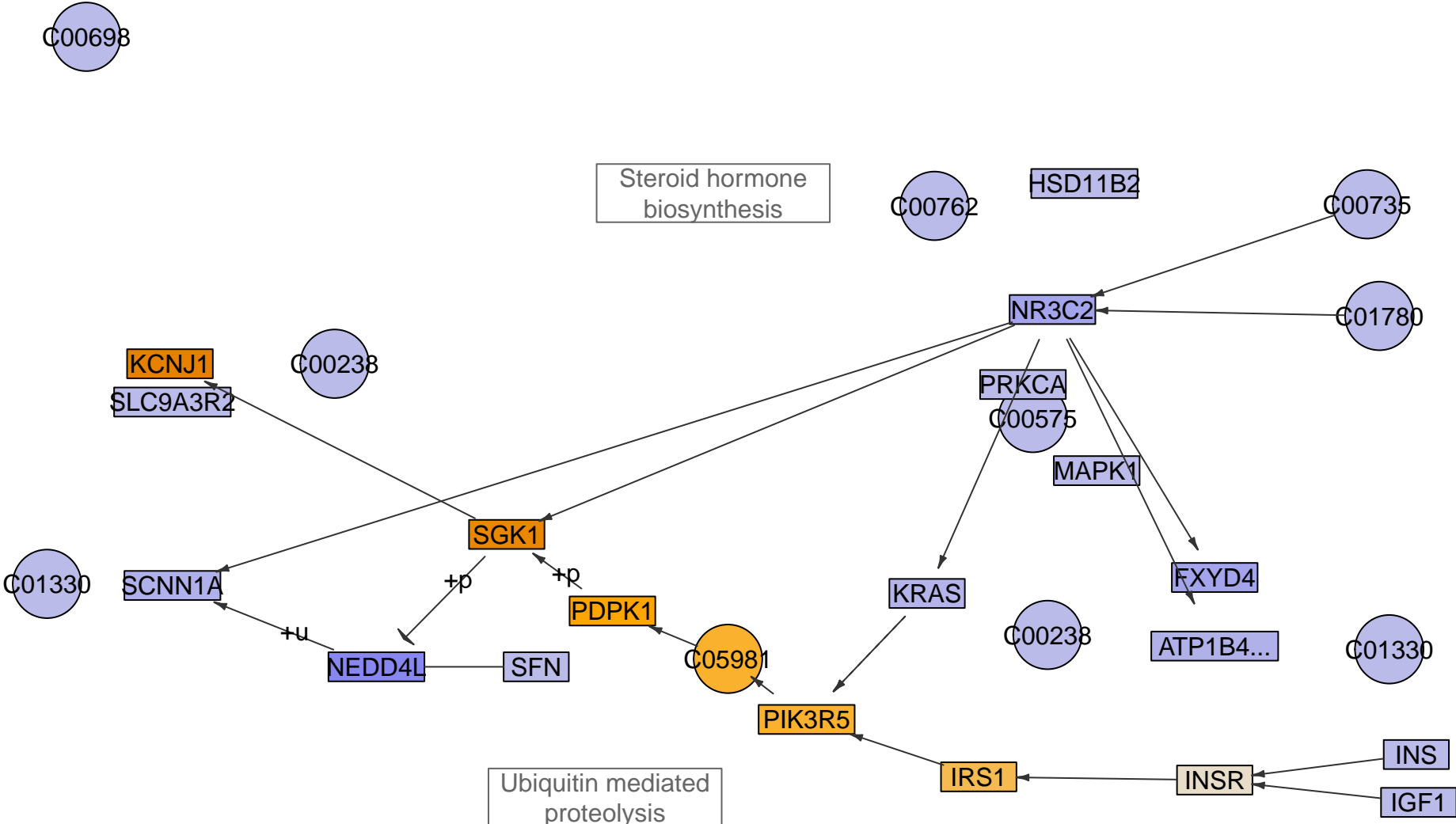
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-229

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

+u

PIK3R5

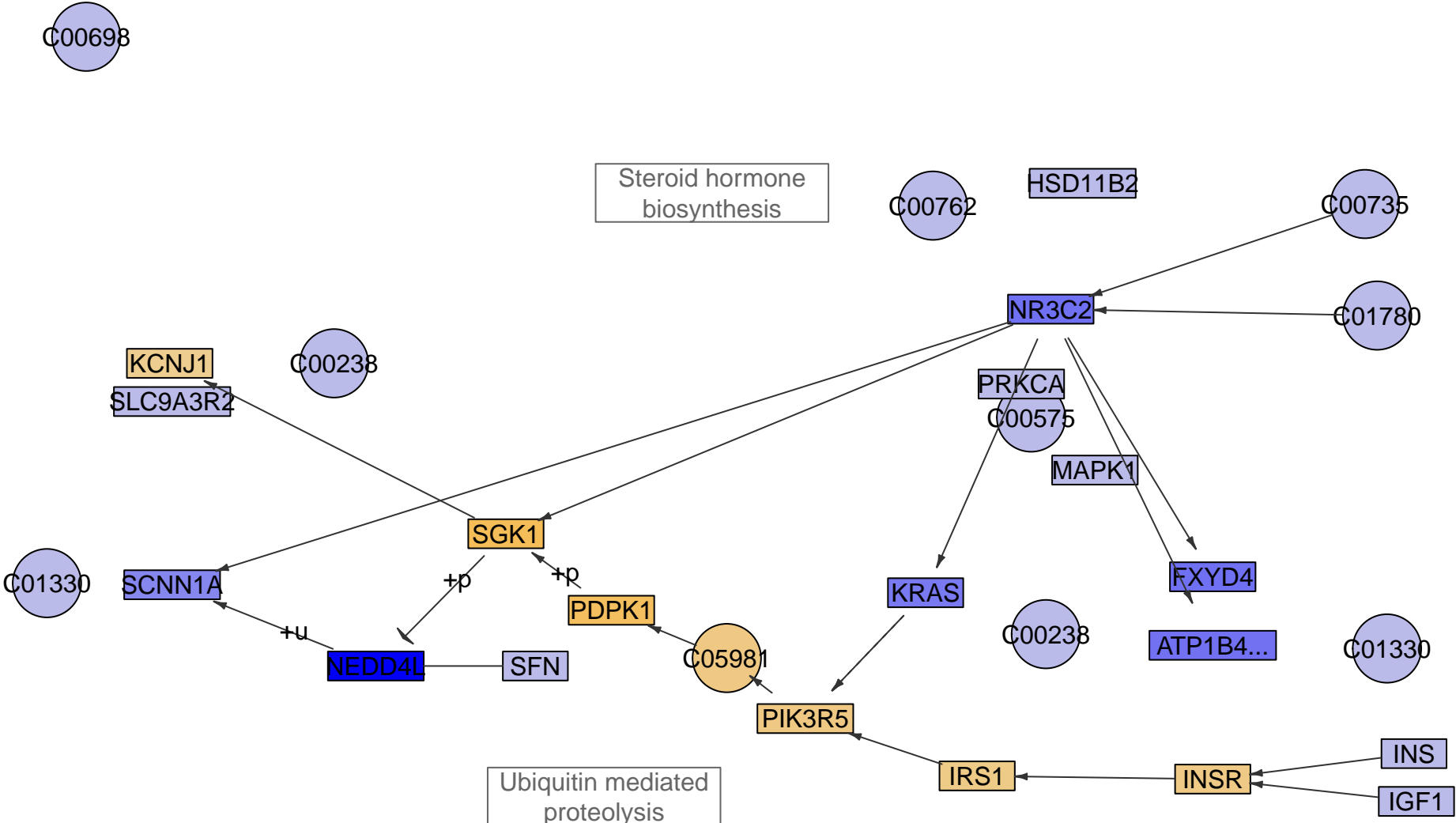
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-230

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

+u

NEDD4L

SFN

PIK3R5

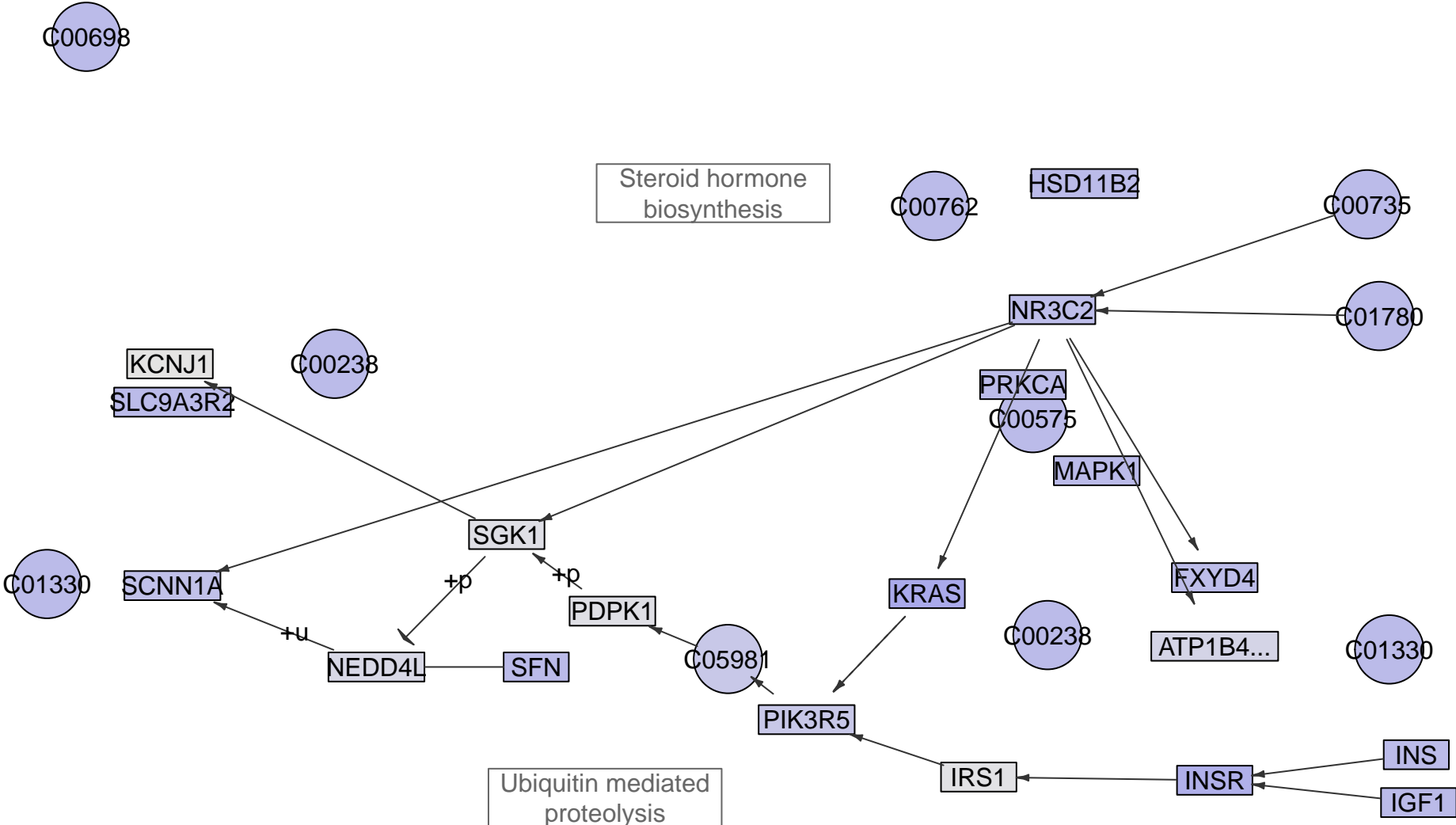
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-231

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

ATP1B4...

+u

NEDD4L

SFN

PIK3R5

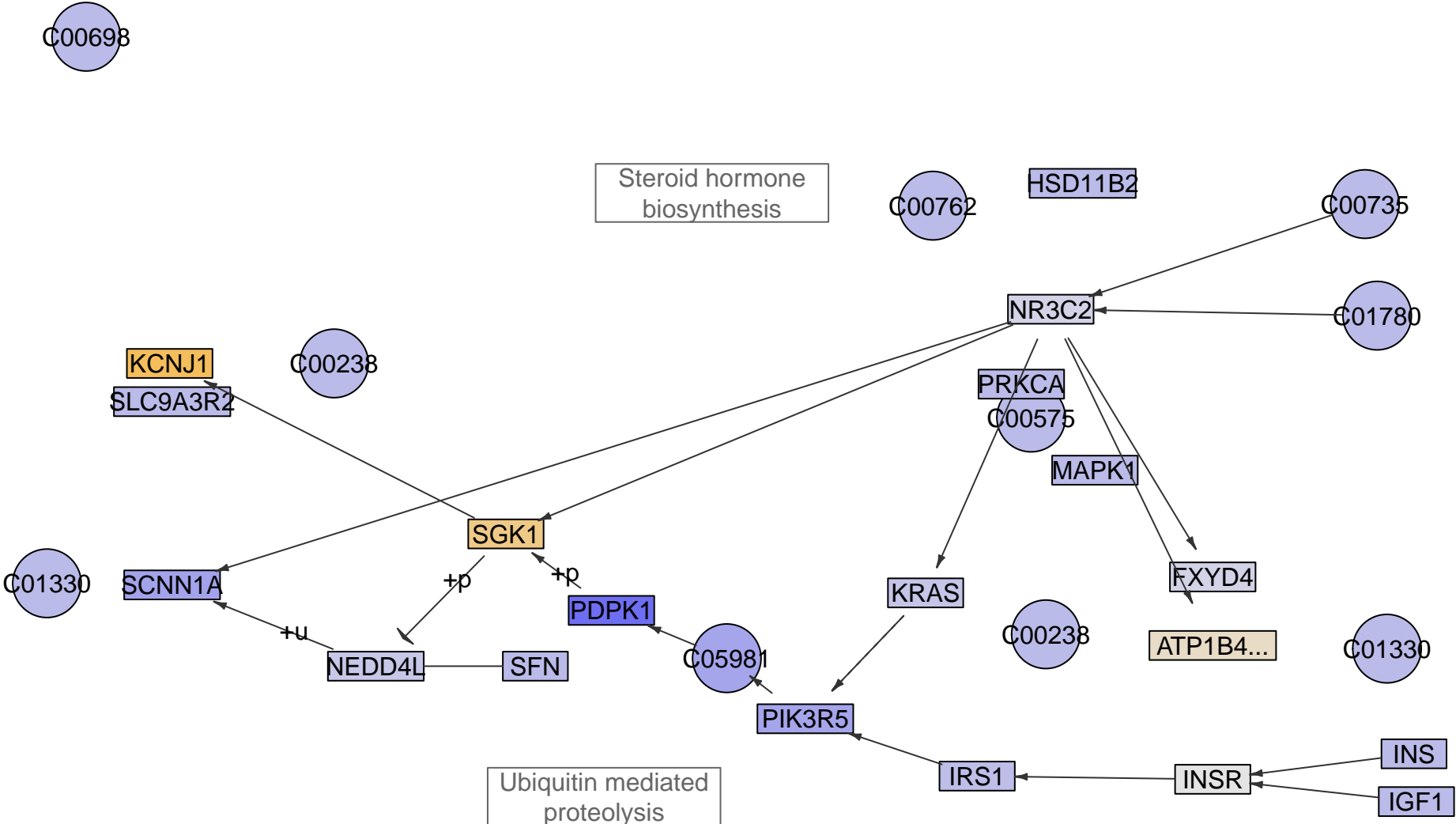
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-233

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

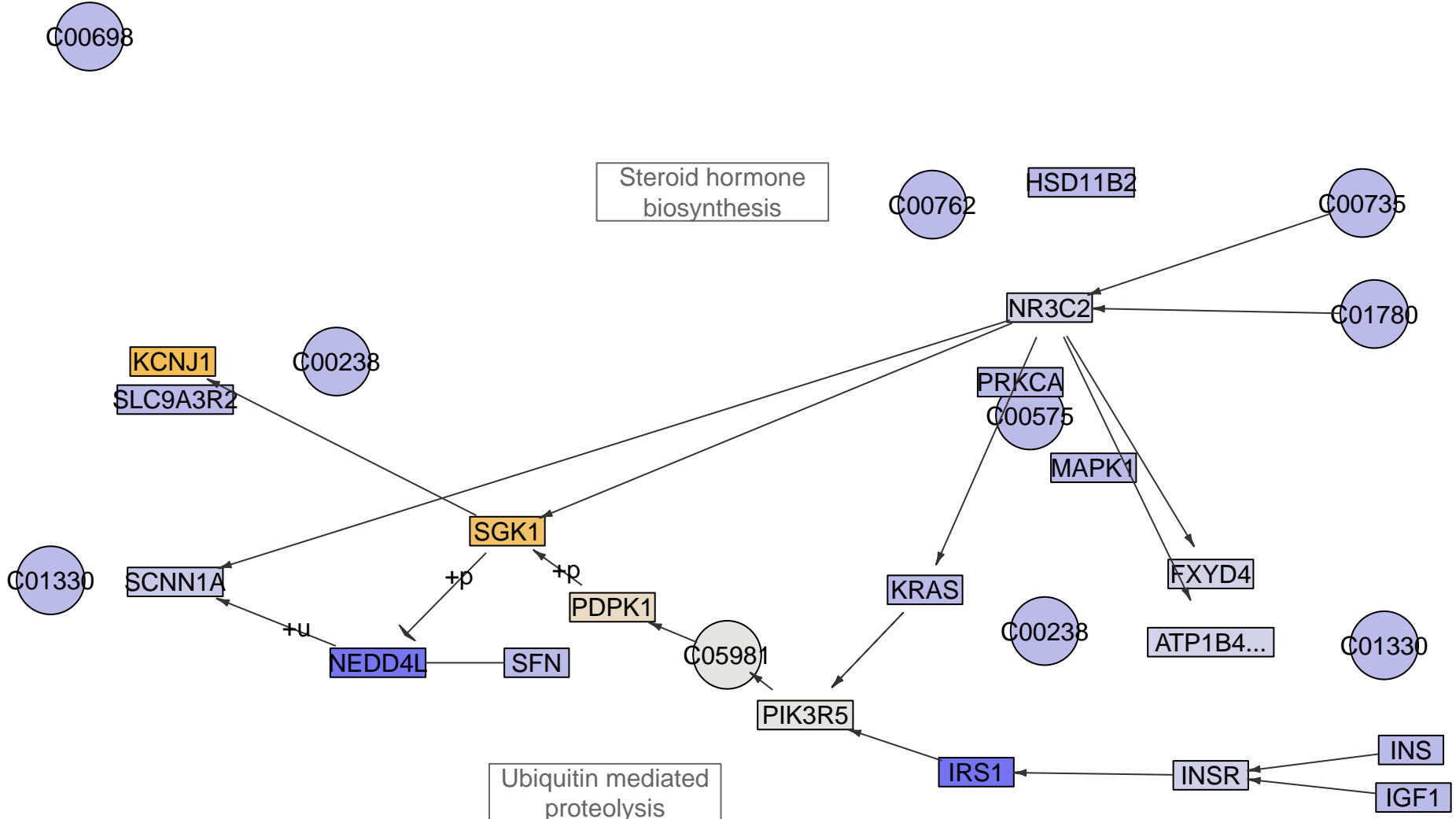
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-234

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

Aldosterone-regulated sodium reabsorption
MPI-235

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

FXYP4

C01330

SCNN1A

+p

PDPK1

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

C05981

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

+p

Aldosterone-regulated sodium reabsorption
MPI-236

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

NEDD4L

SFN

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

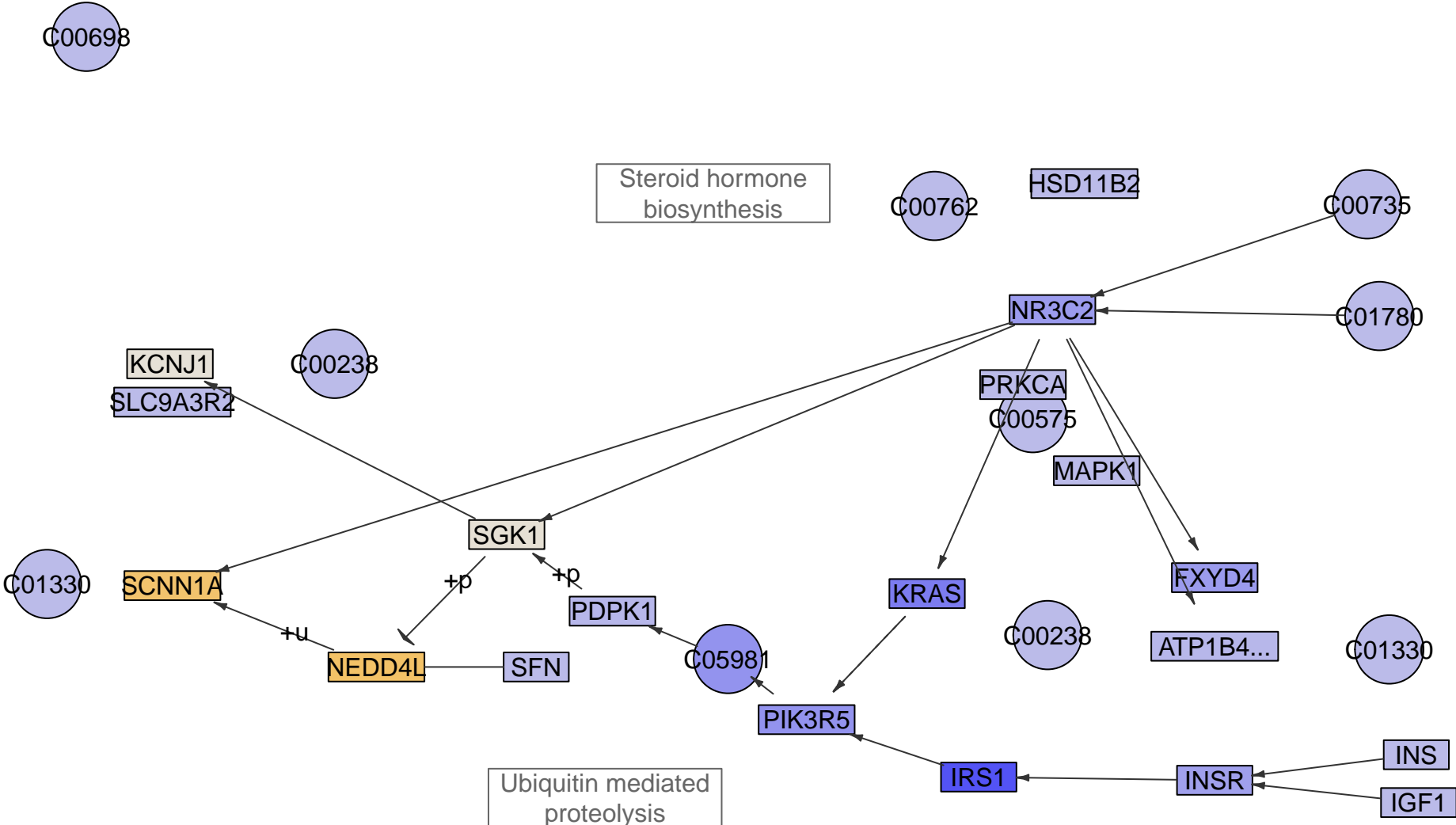
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-237

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

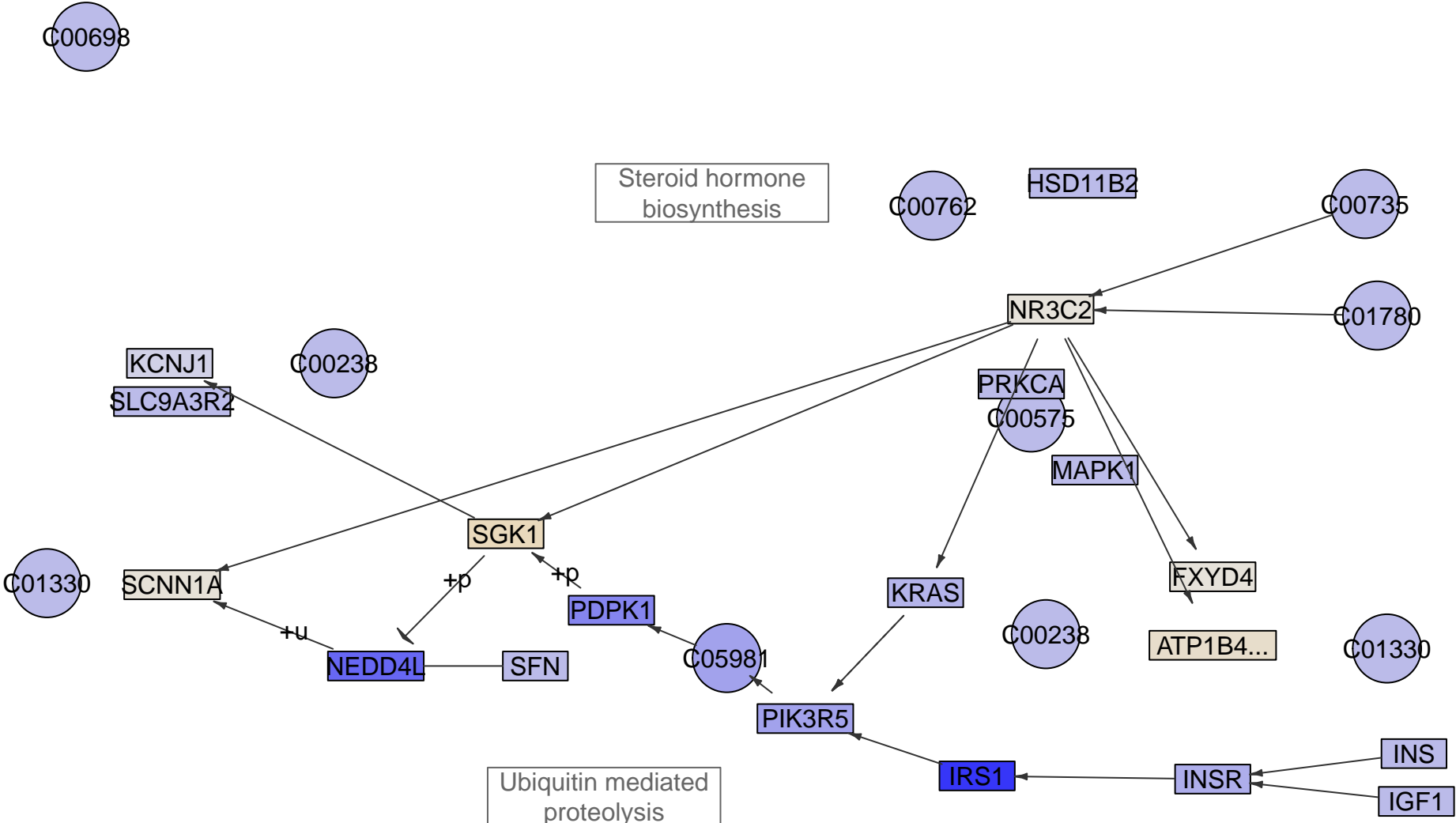
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-239

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

Aldosterone-regulated sodium reabsorption
MPI-241

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

+p

+u

NEDD4L

SFN

C05981

KRAS

C00238

ATP1B4...

C01330

PIK3R5

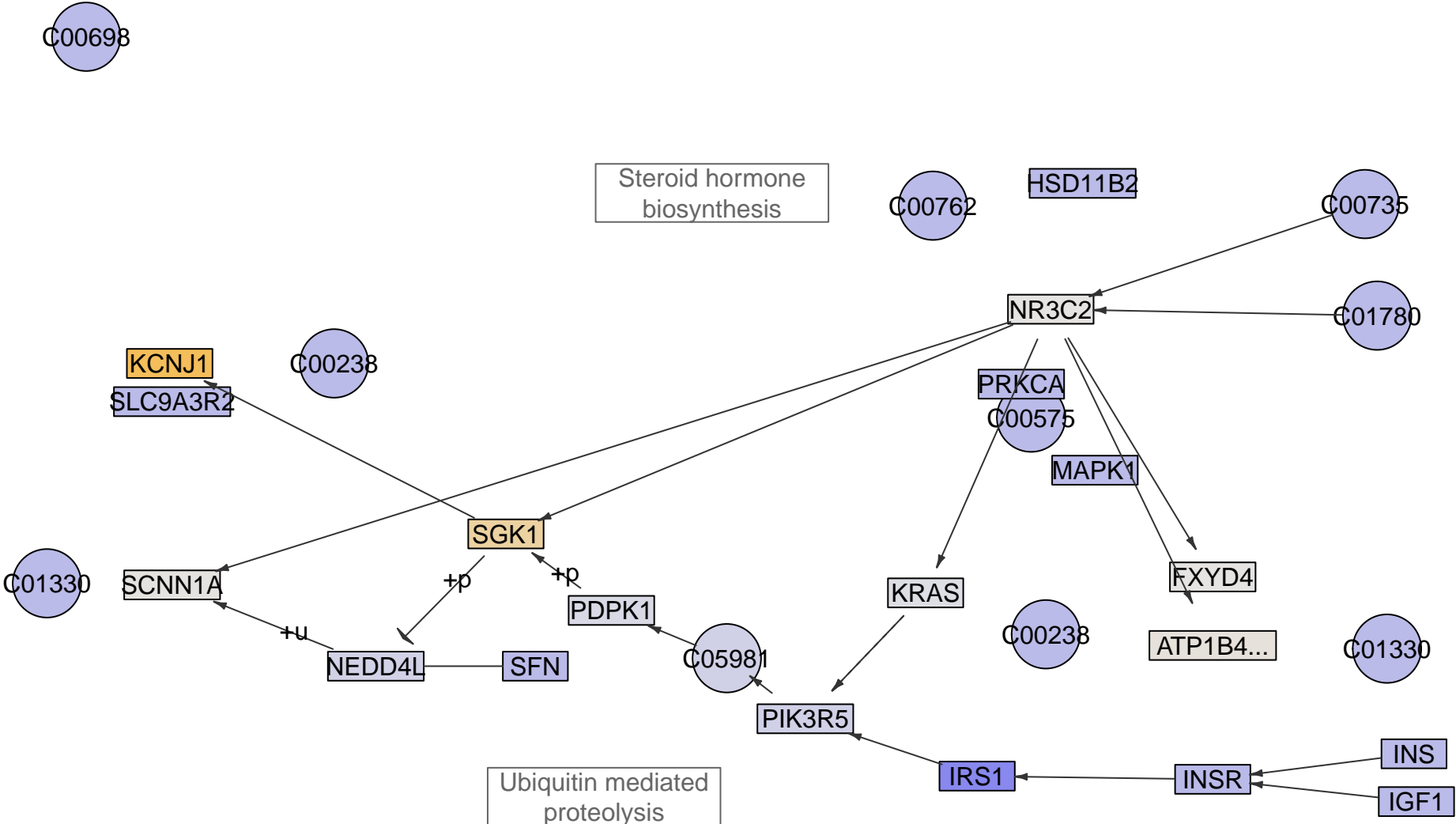
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-244

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXJD4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

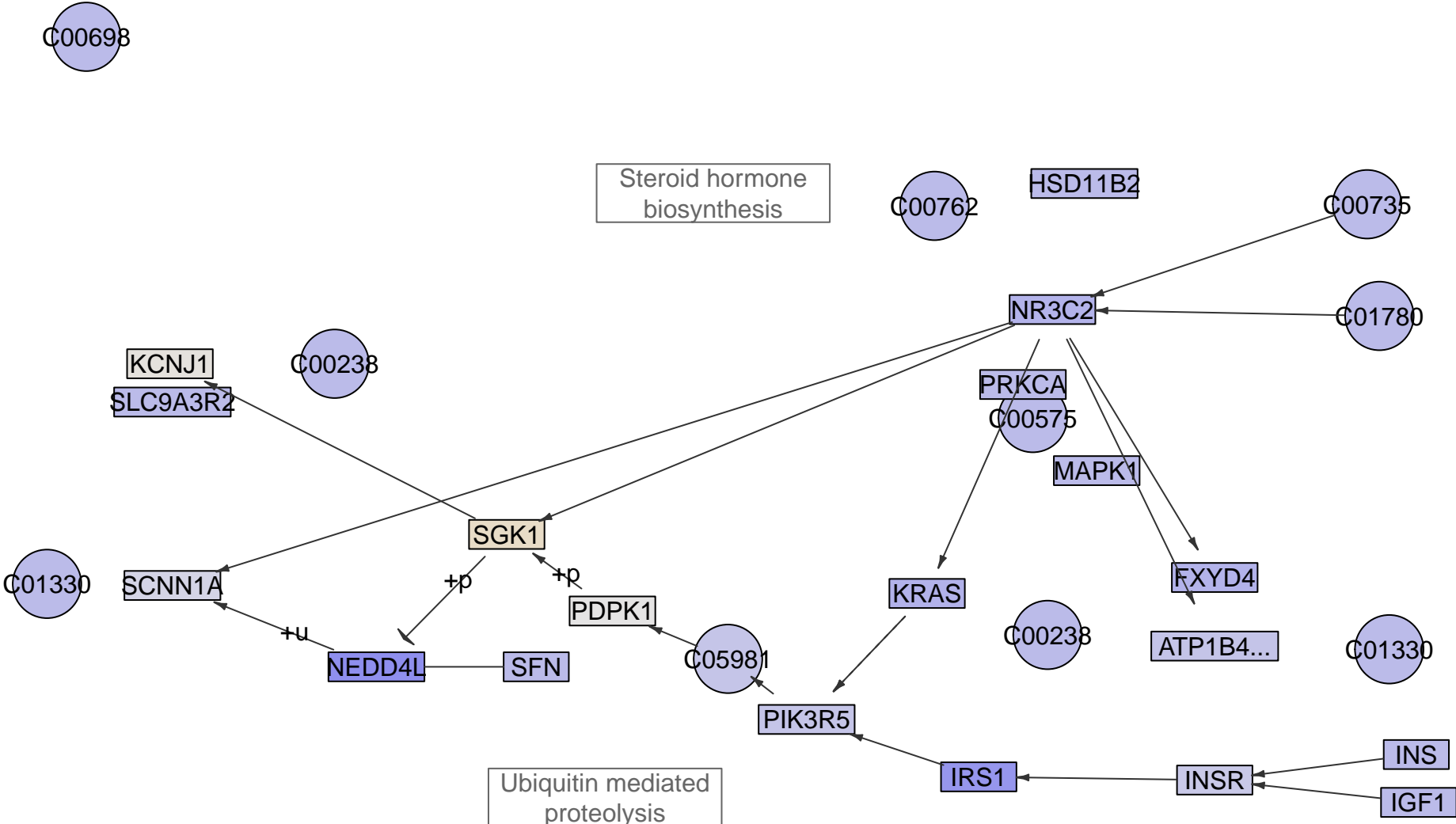
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-246

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

PIK3R5

ATP1B4...

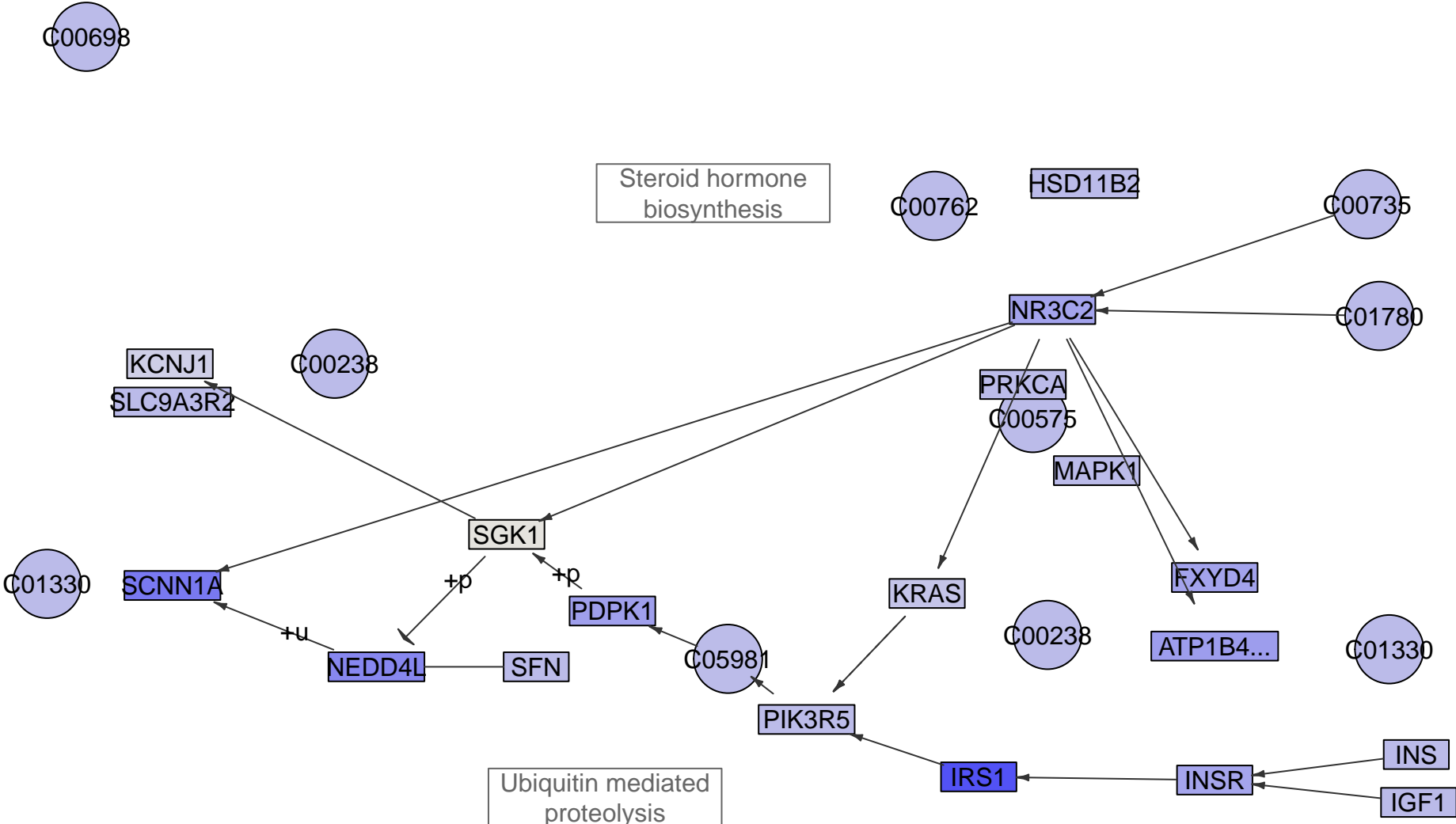
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-247

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

SGK1

PRKCA
C00575

MAPK1

FXYP4

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

+u

Aldosterone-regulated sodium reabsorption
MPI-251

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

NEDD4L

SFN

PIK3R5

ATP1B4...

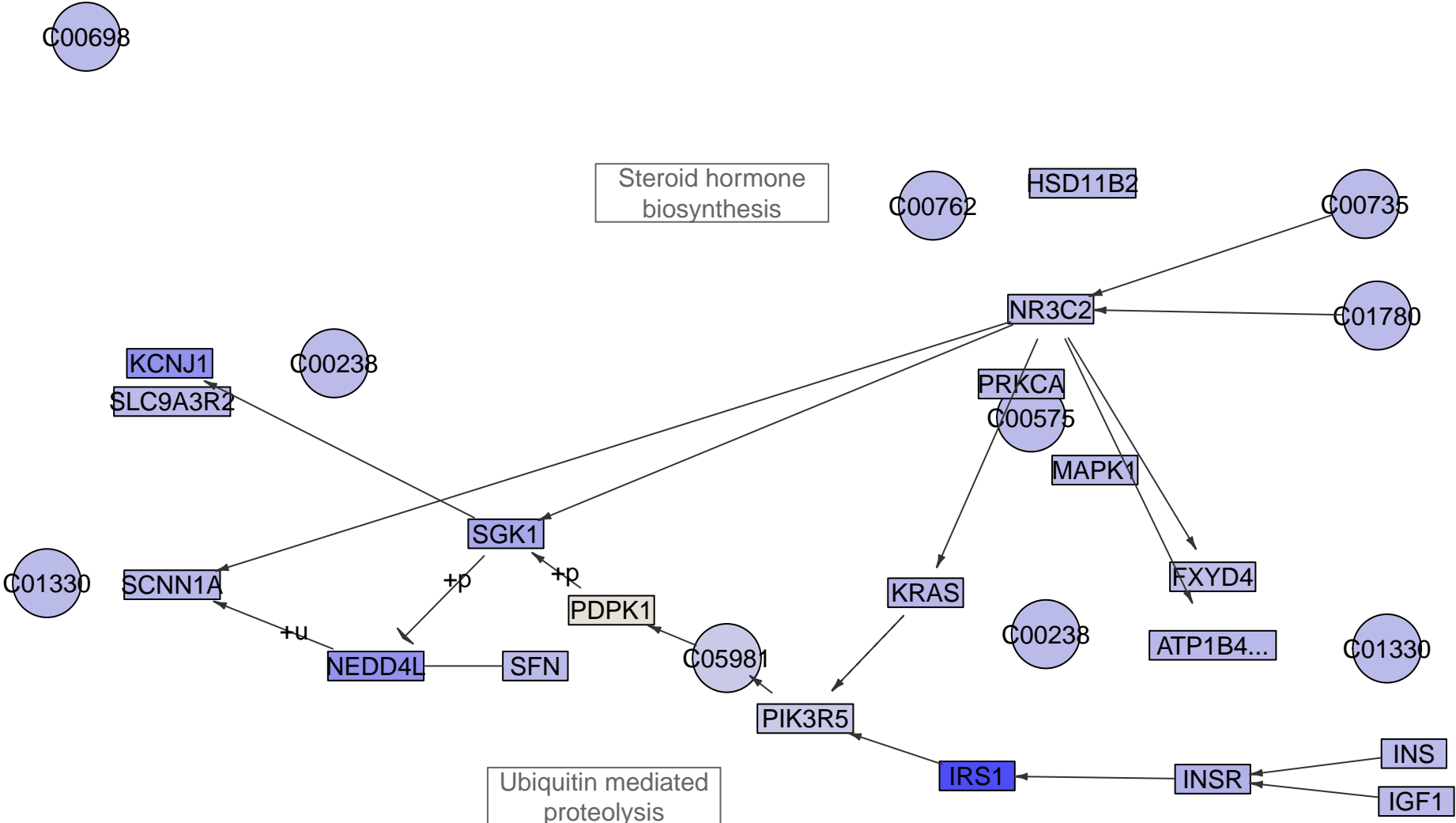
Ubiquitin mediated proteolysis

IRS1

INSR

INS

IGF1



Aldosterone-regulated sodium reabsorption
MPI-255

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1

C00238

SLC9A3R2

PRKCA

C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

C01330

ATP1B4...

NEDD4L

SFN

+u

PIK3R5

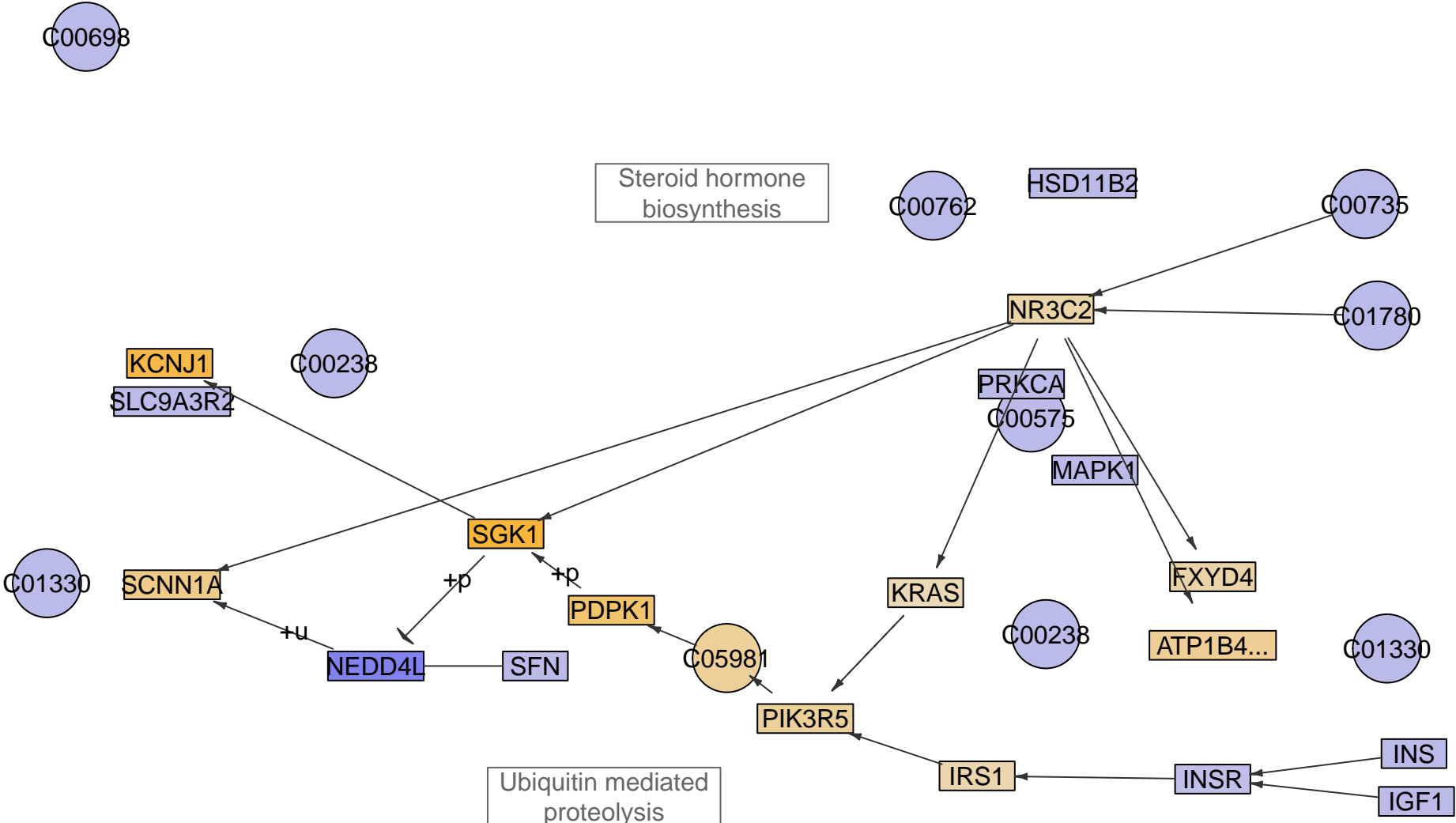
IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis



Aldosterone-regulated sodium reabsorption
MPI-223b

Tight junction

C00698

Steroid hormone biosynthesis

C00762

HSD11B2

C00735

C01780

NR3C2

KCNJ1
SLC9A3R2

C00238

PRKCA
C00575

MAPK1

SGK1

C01330

SCNN1A

+p

PDPK1

C05981

KRAS

C00238

FXYP4

ATP1B4...

C01330

NEDD4L

SFN

PIK3R5

IRS1

INSR

INS

IGF1

Ubiquitin mediated proteolysis

