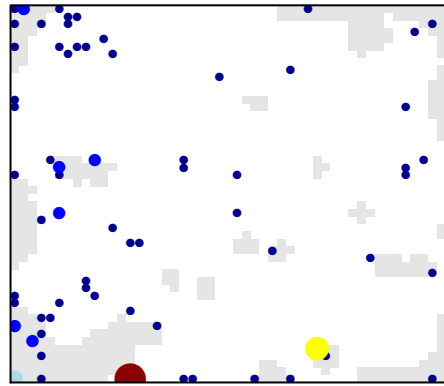
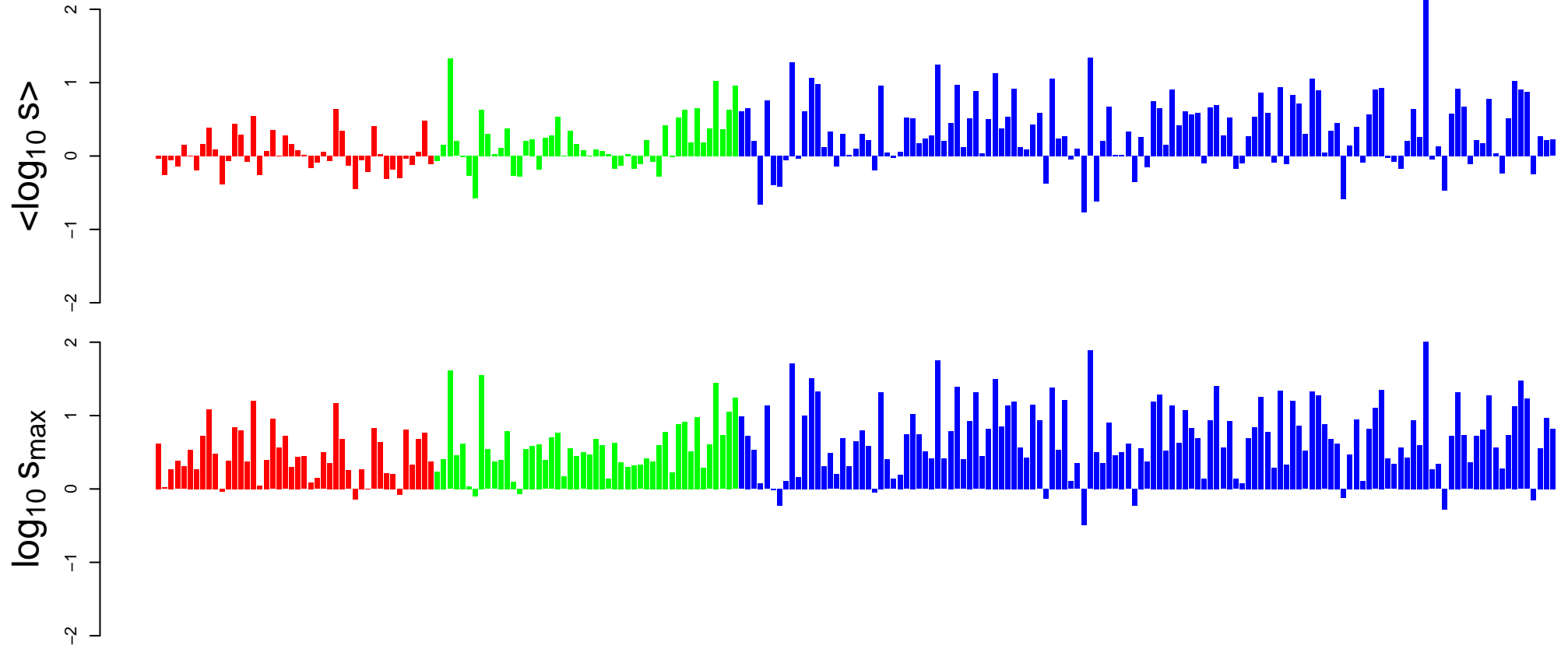
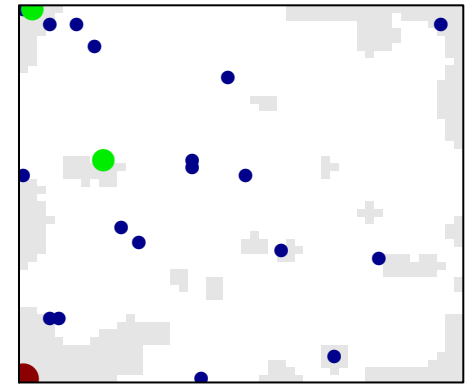


NOD-like receptor signaling pathway

all genes

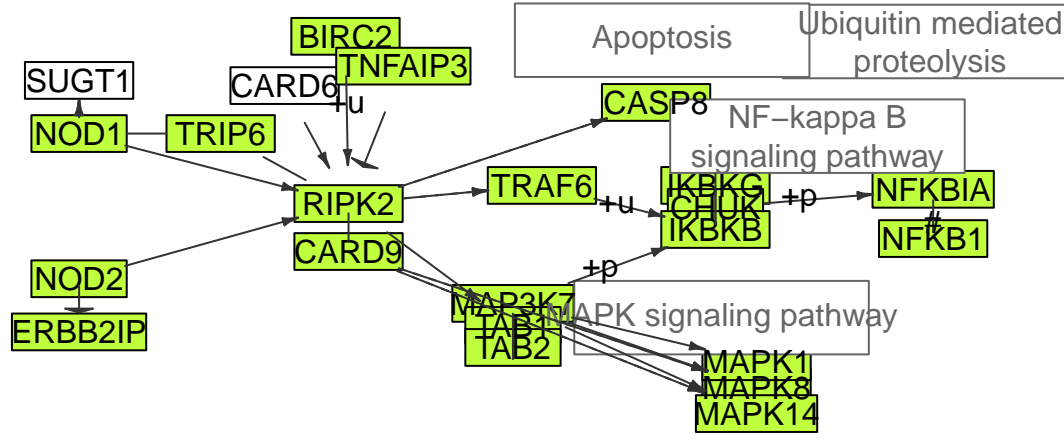


sink node genes



NOD-like receptor signaling pathway (genes with data)

Peptidoglycan biosynthesis

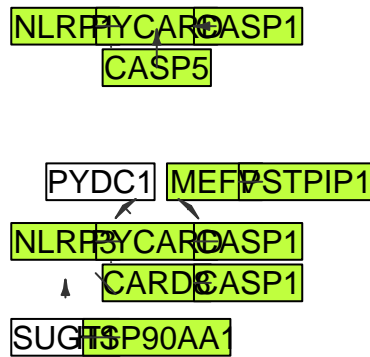


C16060

- CXCL8
- CXCL1
- CXCL2
- CCL2
- CCL5
- TNF
- IL6

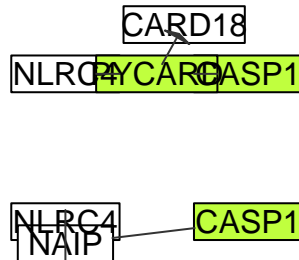
K08645...

K11031
K10948



IL1B
IL18

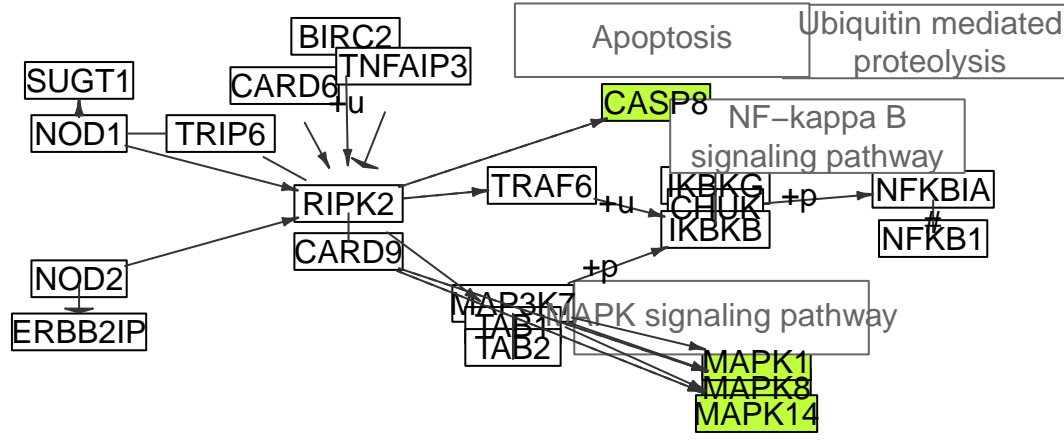
Flagellar assembly
Bacterial secretion system



Toll-like receptor signaling pathway

NOD-like receptor signaling pathway (sink nodes)

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

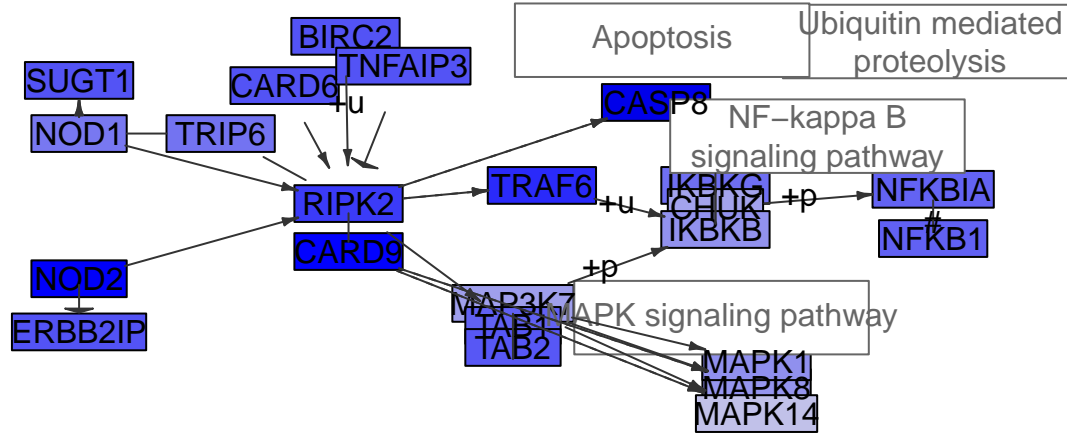
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-001

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

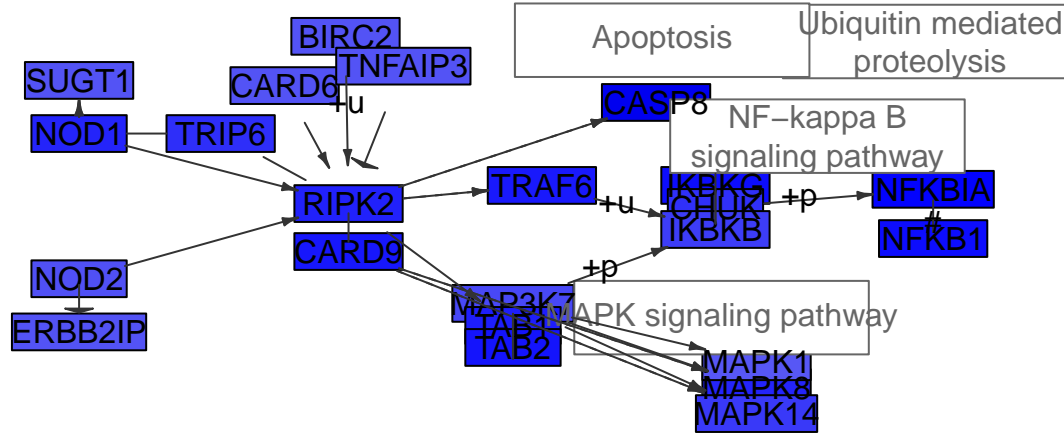
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-002

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

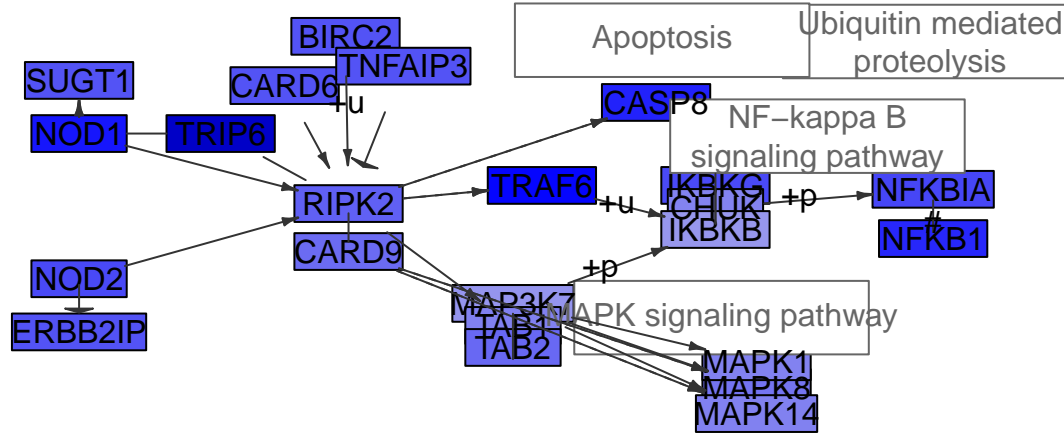
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-003

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEF2, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

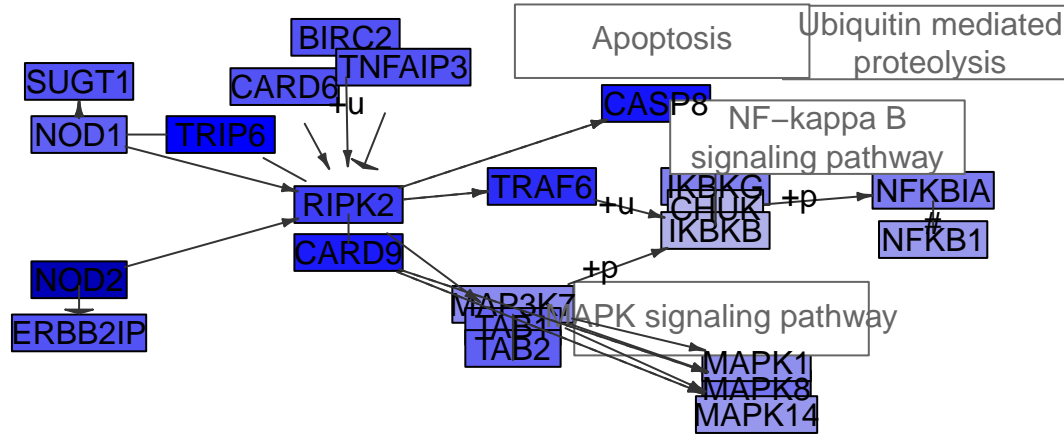
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-005

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3 CARD3 CASP1
CASP5

K11031
K10948

PYDC1 MEF2 STPIP1
NLRP3 CARD3 CASP1
CARD3 CASP1

SUGT1 SP90AA1

IL1B
IL18

CARD18
NLRP4 CARD3 CASP1

Flagellar assembly

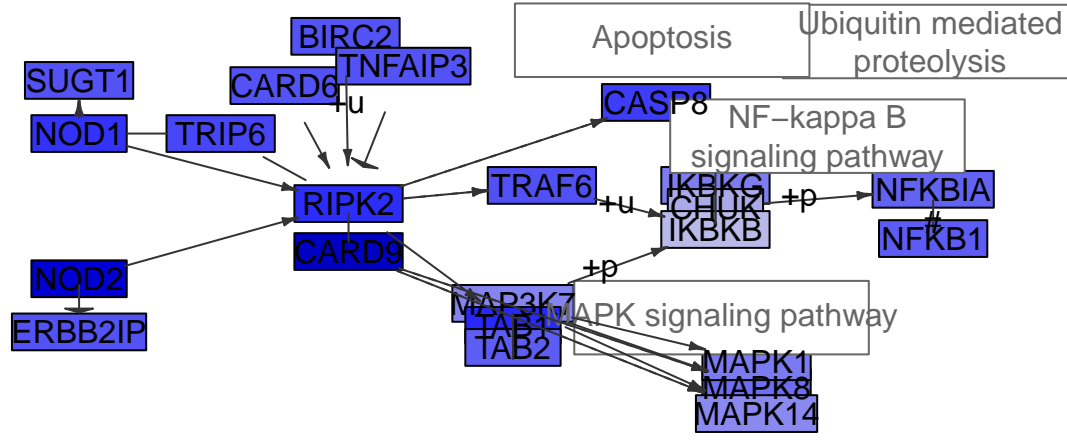
Bacterial secretion system

NLRP4 NAIP CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-006

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEF2, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

Flagellar assembly

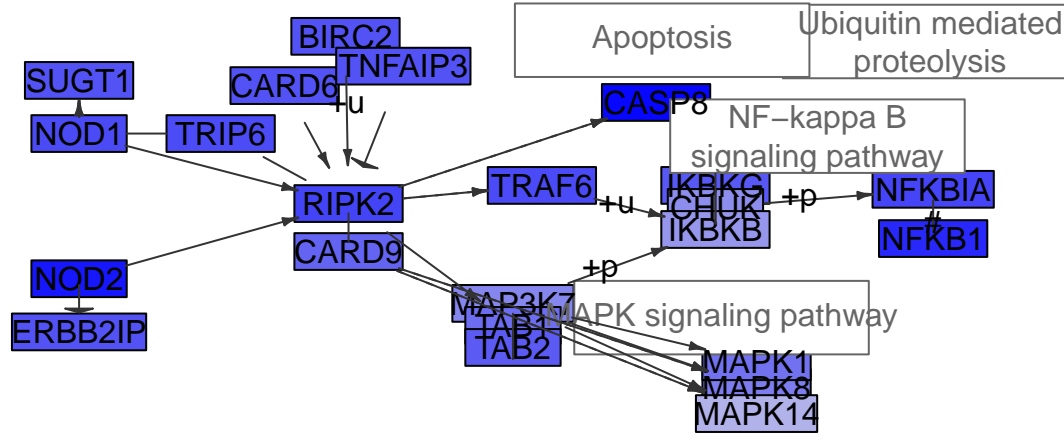
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-016

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly
Bacterial secretion system

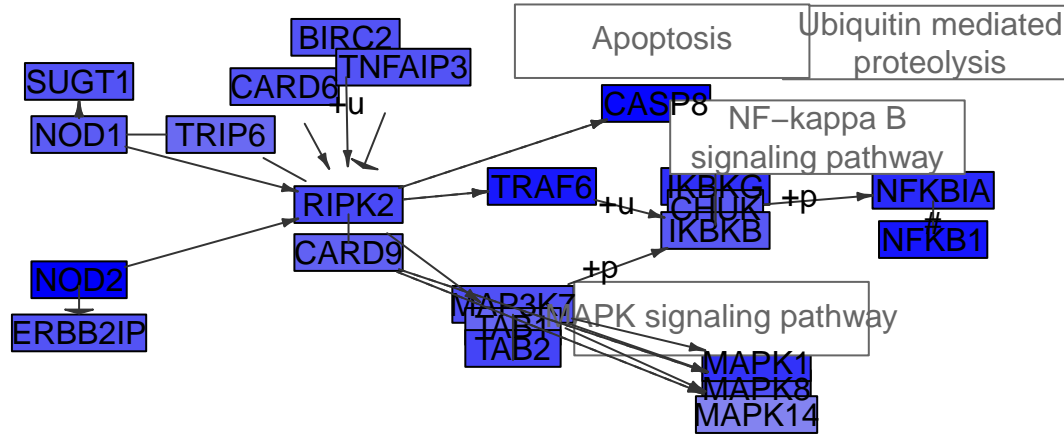
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-017

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3 CARD CASP1
CASP5

K11031
K10948

PYDC1 MEF2 STPIP1
NLRP3 CARD CASP1
CARD6 CASP1

SUGT1 SP90AA1

IL1B
IL18

CARD18
NLRP4 CARD CASP1

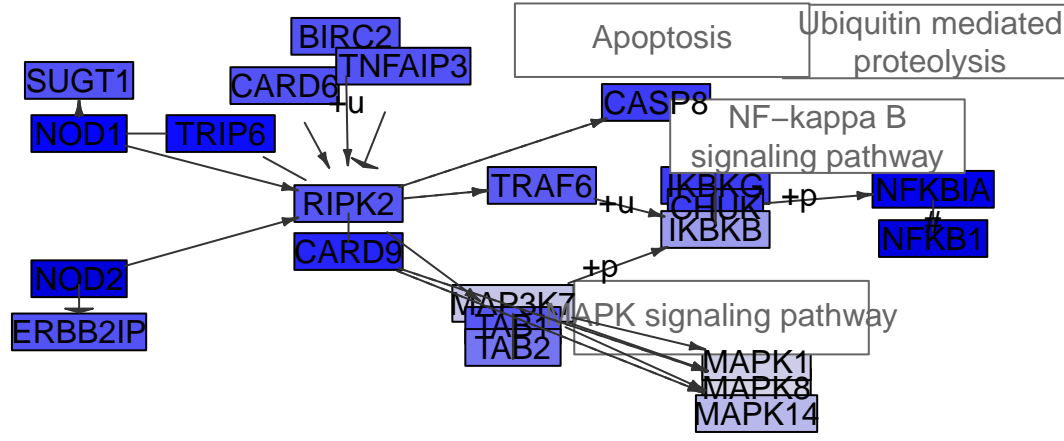
Flagellar assembly
Bacterial secretion system

NLRP4 NAIP CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-018

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18
NLRP3
PYCARD
CASP1

Flagellar assembly

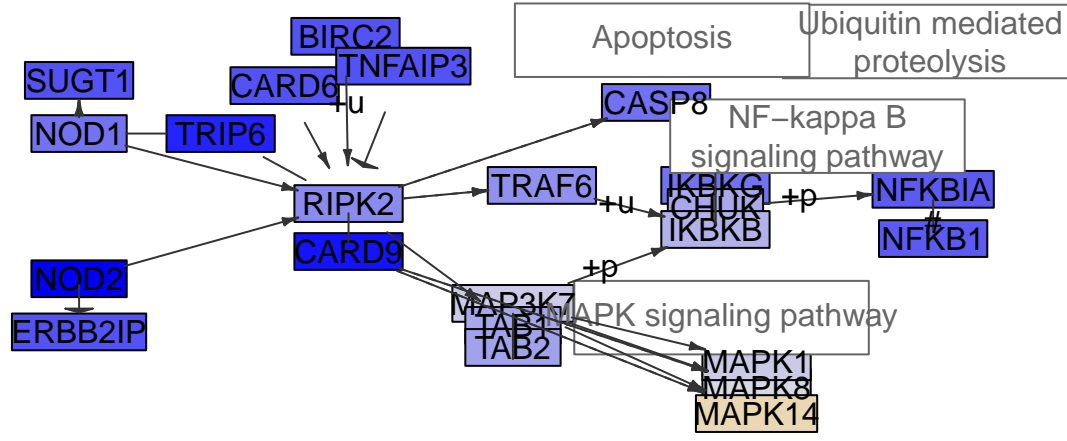
Bacterial secretion system

NLRP4
NAIP
CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-027

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

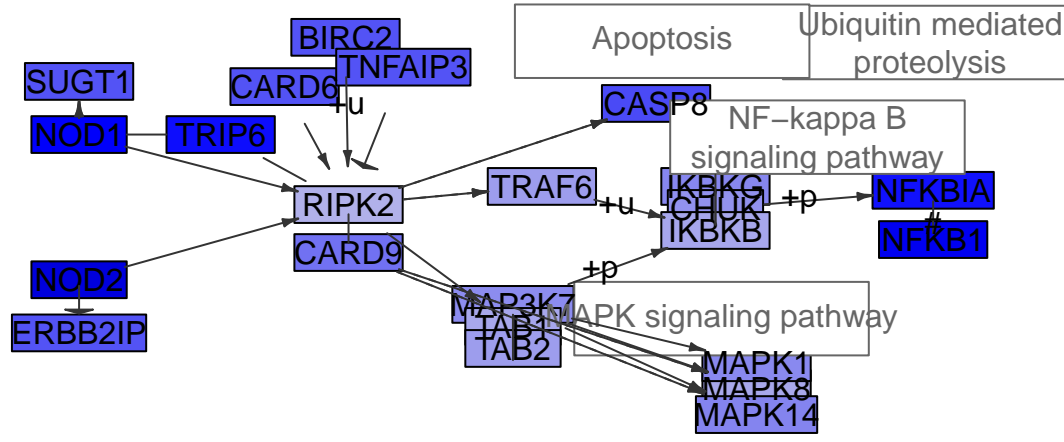
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-028

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

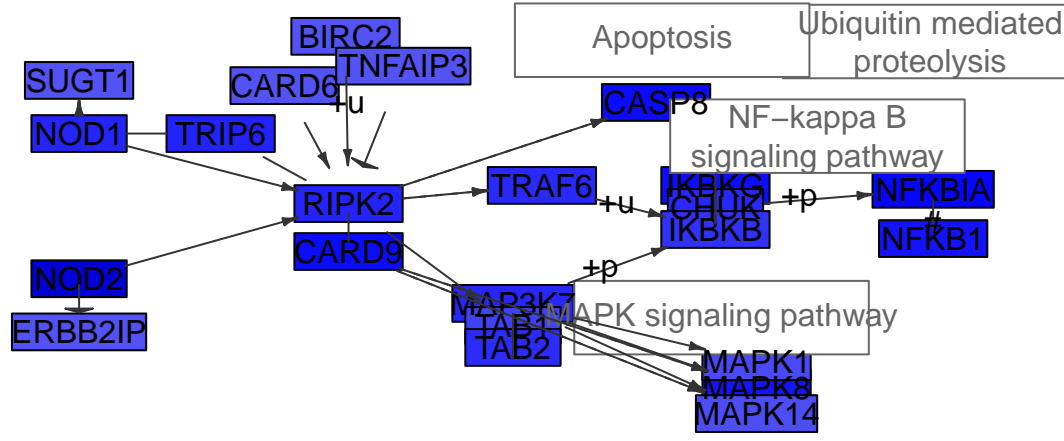
CARD18
NLRP4
PYCARD
CASP1

NLRP4
NAIP
CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-032

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5
TNF
IL6

K08645...

K11031
K10948

NLRP3
PYCARD
CASP1
CASP5

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18
NLRP3
PYCARD
CASP1

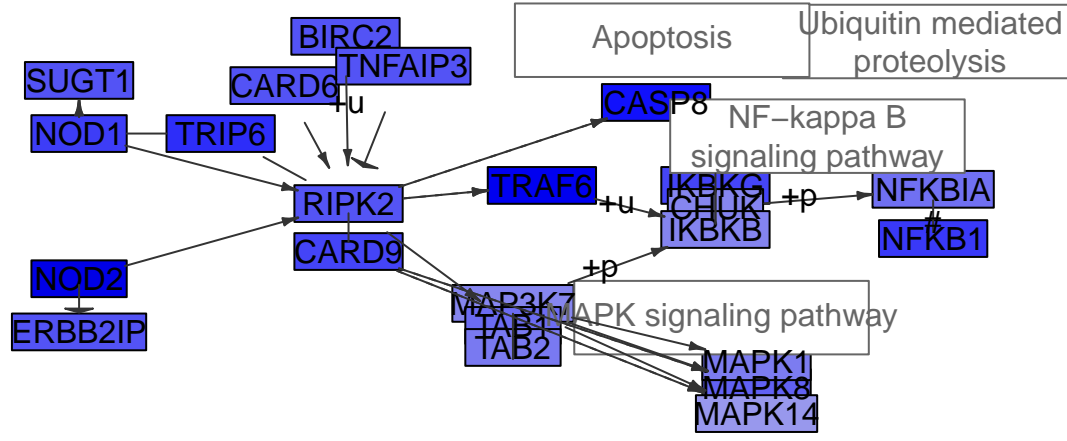
NLRP4
NAIP
CASP1

Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-033

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

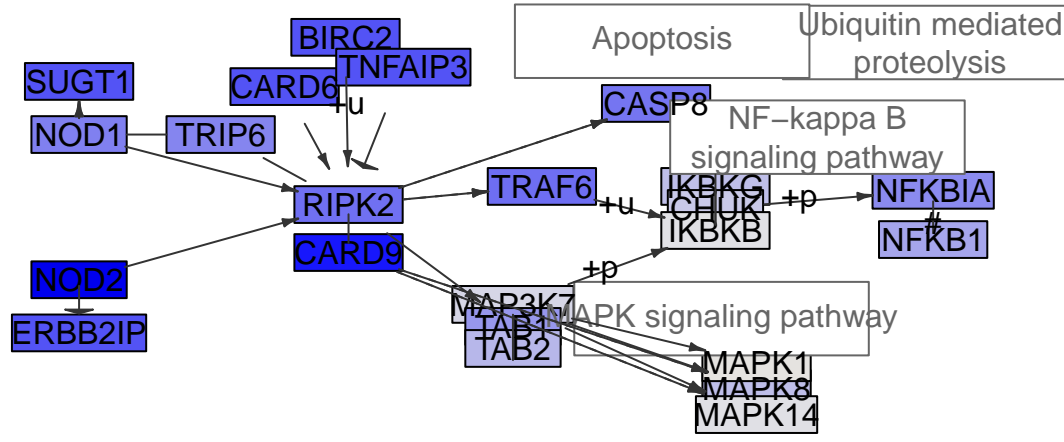
CARD18
NLRP3
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-034

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3 CARD3 CASP1
CASP5

K11031
K10948

PYDC1 MEFV STPIP1
NLRP3 CARD3 CASP1
CARD3 CASP1

SUGT1 SP90AA1

IL1B
IL18

CARD18
NLRP4 CARD3 CASP1

Flagellar assembly

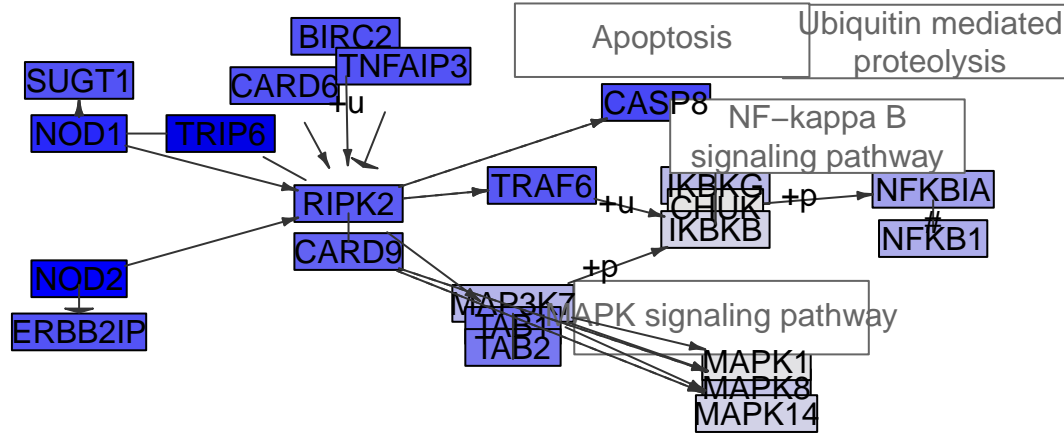
Bacterial secretion system

NLRP4 NAIP CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-043

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3 PYCARD CASP1
CASP5

K11031
K10948

PYDC1 MEFV STPIP1
NLRP3 PYCARD CASP1
CARD3 CASP1

SUGT1 SP90AA1

IL1B
IL18

CARD18
NLRP4 PYCARD CASP1

Flagellar assembly

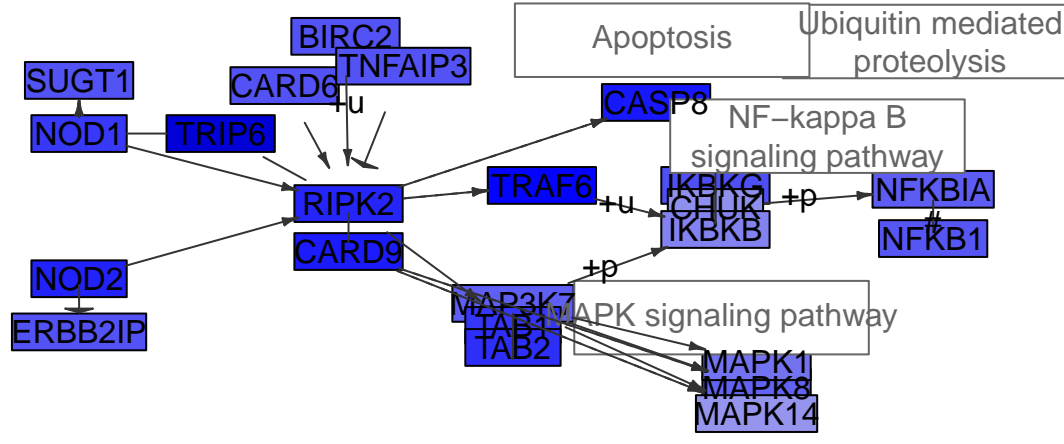
Bacterial secretion system

NLRP4 NAIP CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-044

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP3
PYCARD
CASP1
CASP5

PYDC1
MEF1
STPIP1

NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
P90AA1

IL1B
IL18

CARD18
NLRP3
PYCARD
CASP1

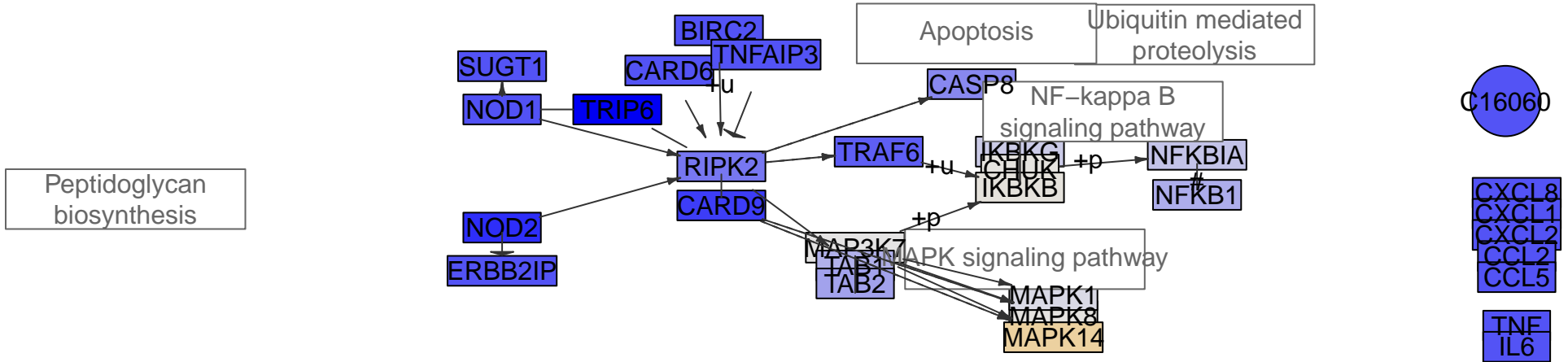
NLRP4
NAIP
CASP1

Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-048



K08645...

K11031
K10948

NLRP3
PYCARD
CASP1
CASP5

PYDC1
MEF1
STPIP1

NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP3
PYCARD
CASP1

NLRP4
NAIP
CASP1

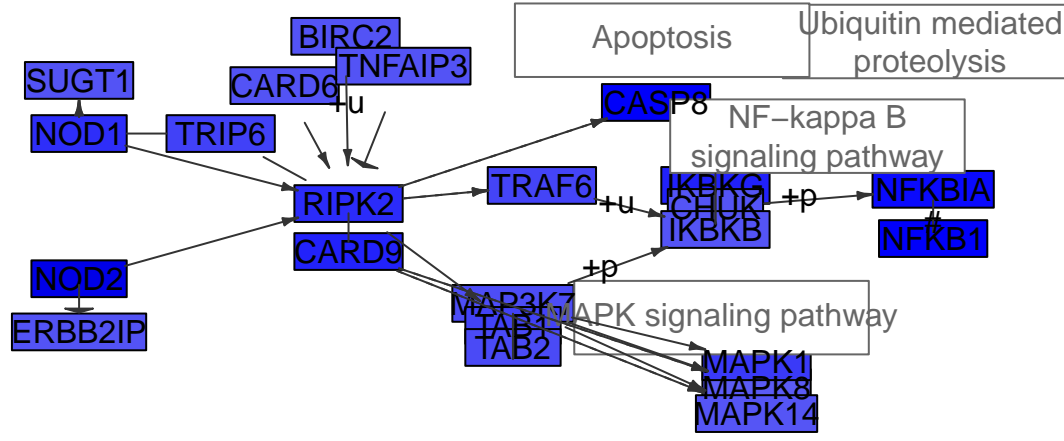
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-055

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

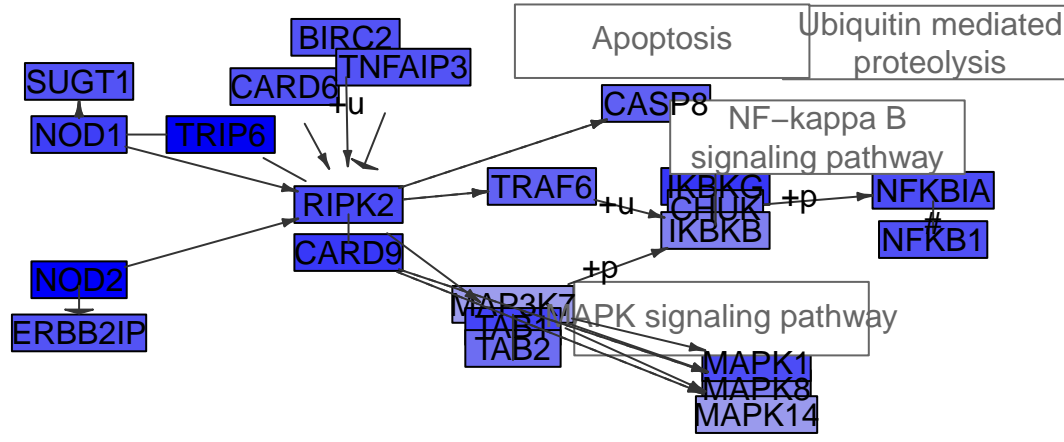
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-065

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

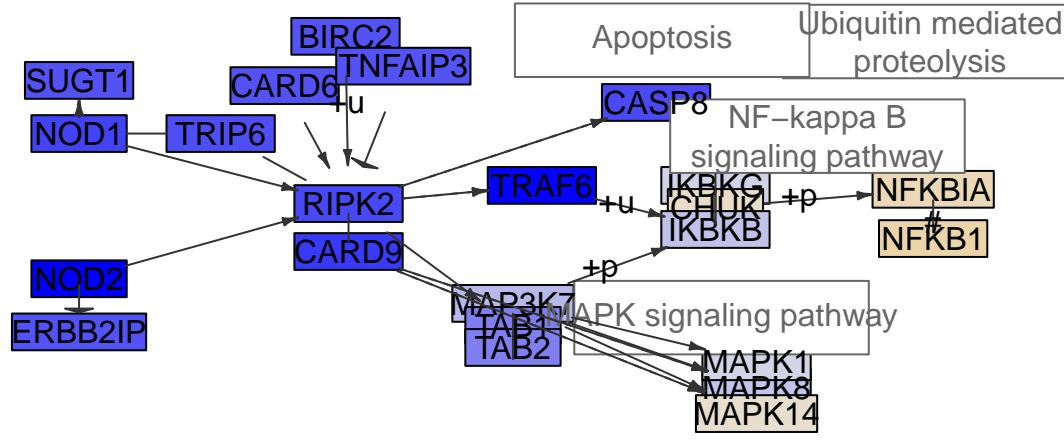
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-071

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP3, PYCARD, CASP1, CASP5

PYDC1, MEF2, STPIP1

NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

NLRP4, NAIP, CASP1

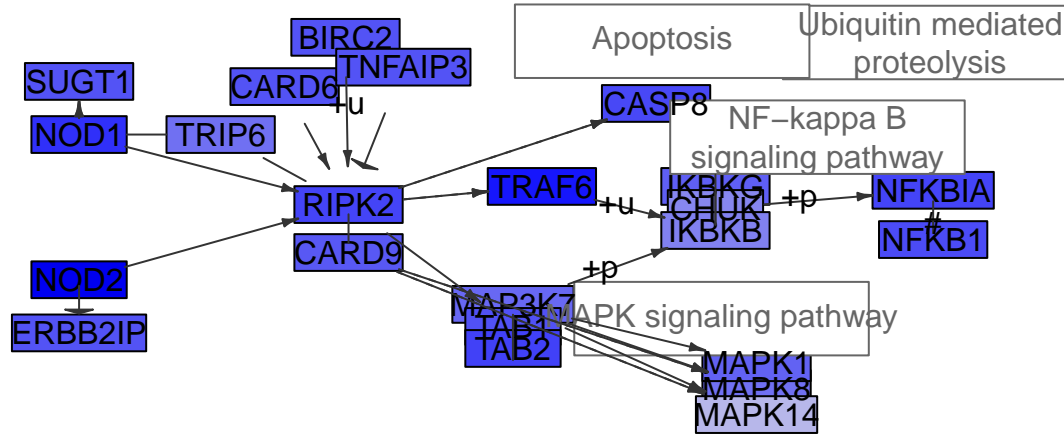
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-075

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3 CARD3 CASP1
CASP5

K11031
K10948

PYDC1 MEFV STPIP1
NLRP3 CARD3 CASP1
CARD3 CASP1

SUGT1 IL1B
IL18

CARD18
NLRP4 CARD3 CASP1

NLRP4 NAIP CASP1

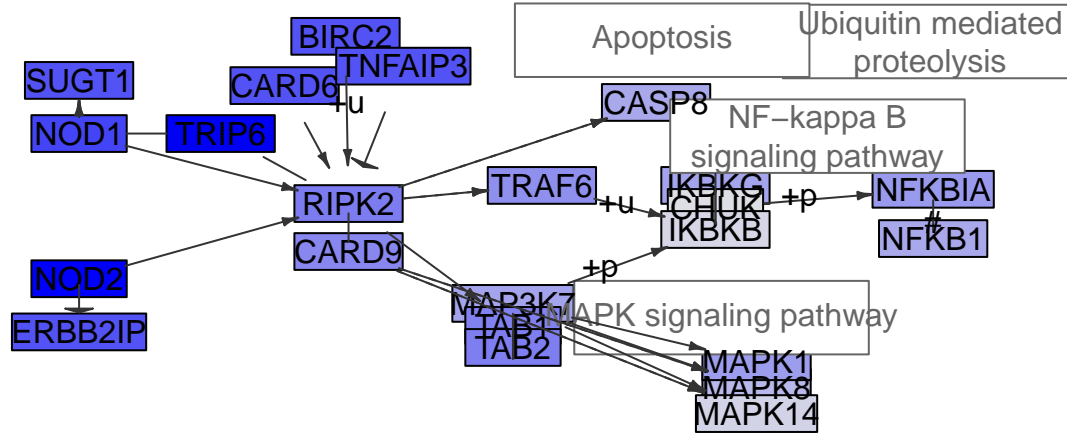
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-077

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEF1
STPIP1

NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

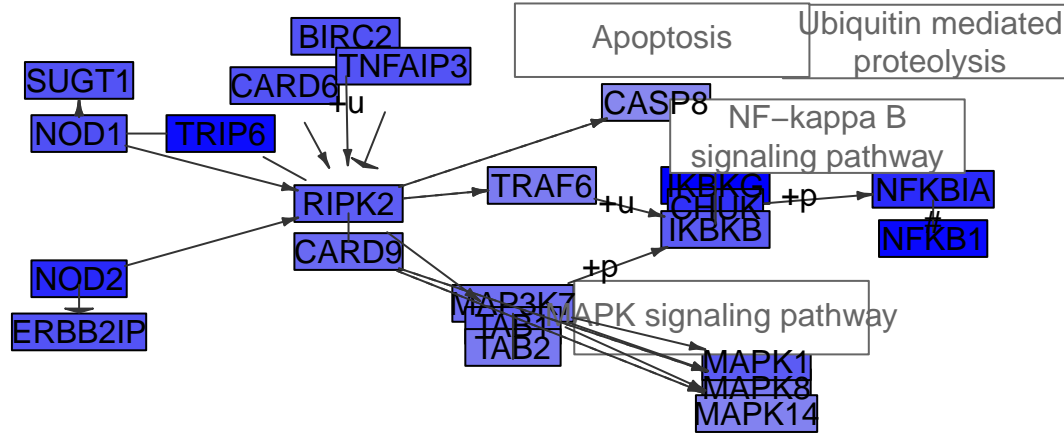
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-078

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

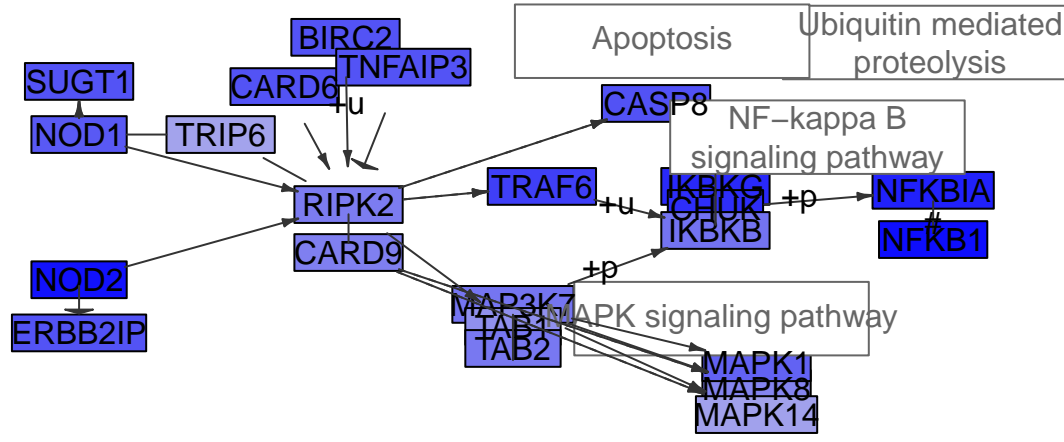
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-079

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

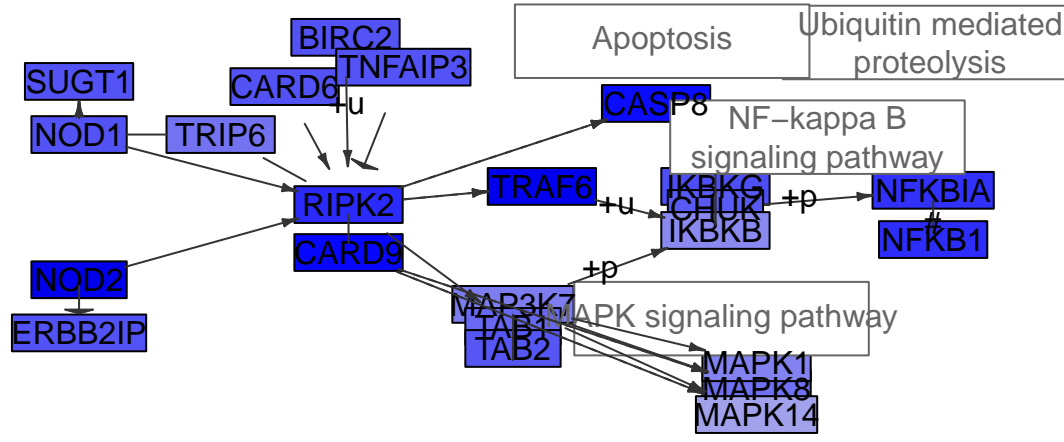
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-080

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEF2, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

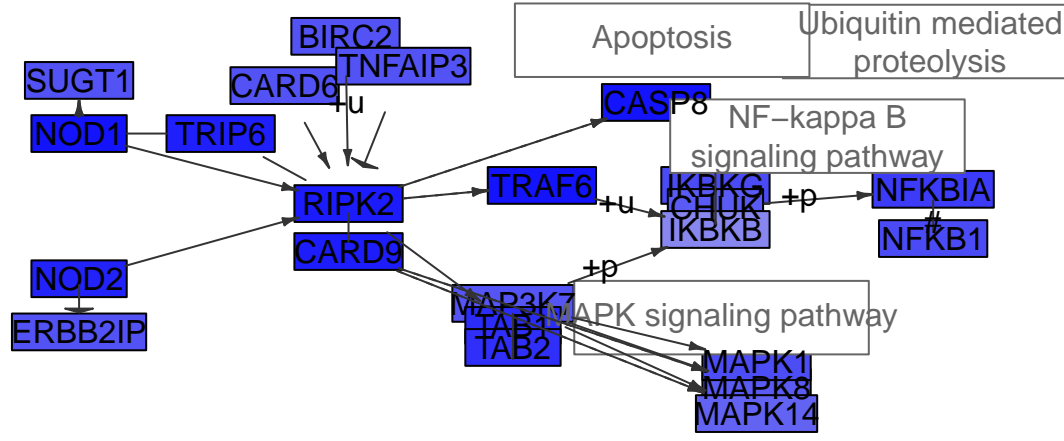
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-081

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

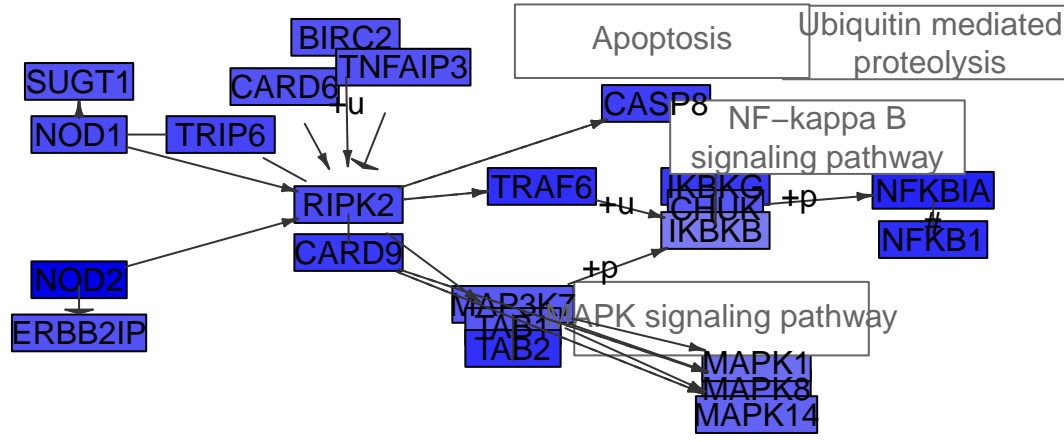
Bacterial secretion system

NLRP4
NAIP
CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-082

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

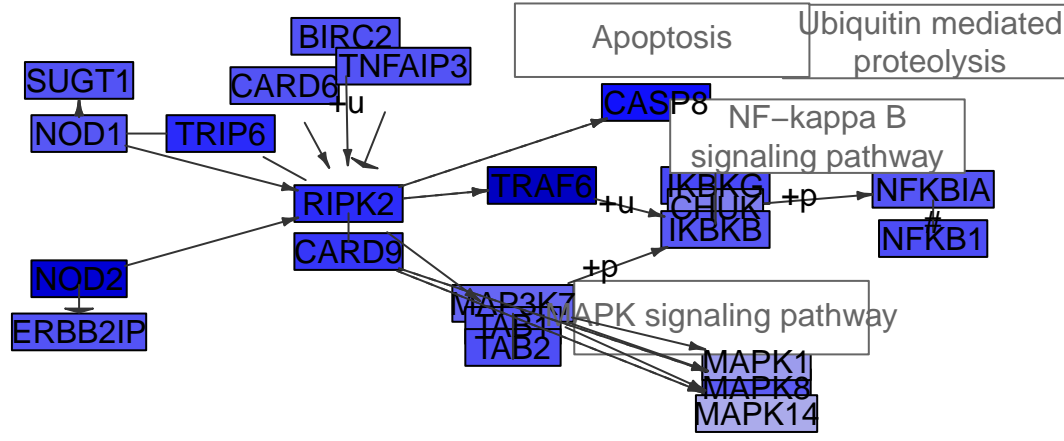
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-084

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3 CARD3 CASP1
CASP5

K11031
K10948

PYDC1 MEFV STPIP1
NLRP3 CARD3 CASP1
CARD3 CASP1

SUGT1 SP90AA1

IL1B
IL18

CARD18
NLRP4 CARD3 CASP1

Flagellar assembly

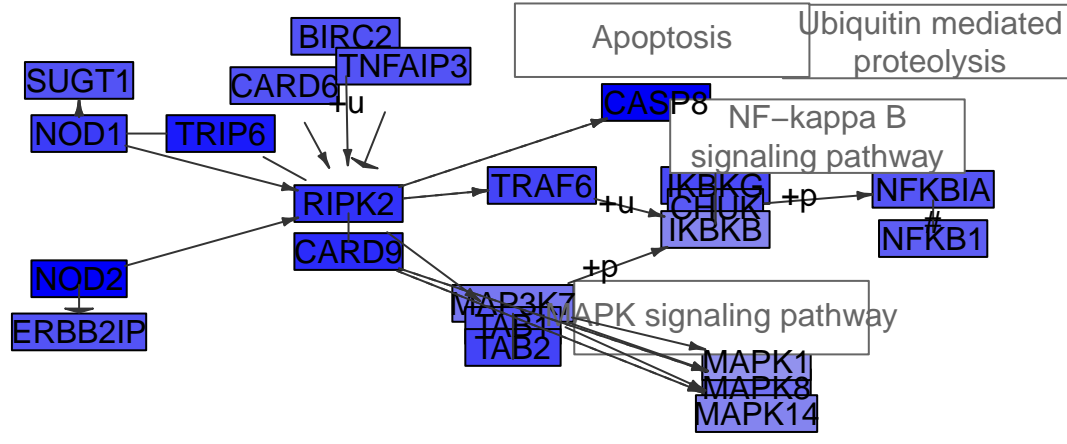
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4 NAIP CASP1

NOD-like receptor signaling pathway
MPI-085

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3 CARD3 CASP1
CASP5

K11031
K10948

PYDC1 MEF2 STPIP1
NLRP3 CARD3 CASP1
CARD3 CASP1

SUGT1 SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

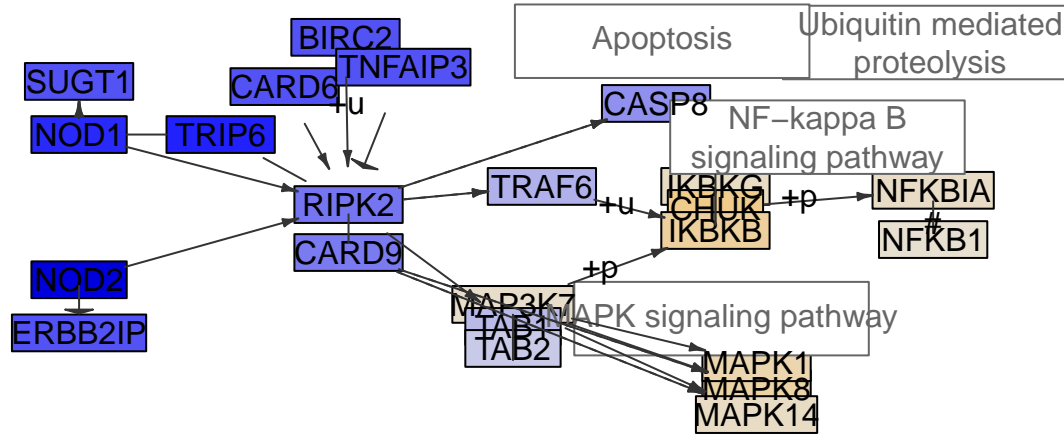
CARD18
NLRP4 CARD3 CASP1

Toll-like receptor signaling pathway

NLRP4 NAIP CASP1

NOD-like receptor signaling pathway
MPI-086

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3 CARD CASP1
CASP5

K11031
K10948

PYDC1 MEFV STPIP1
NLRP3 CARD CASP1
CARD6 CASP1

SUGT1 SP90AA1

IL1B
IL18

CARD18
NLRP4 CARD CASP1

Flagellar assembly

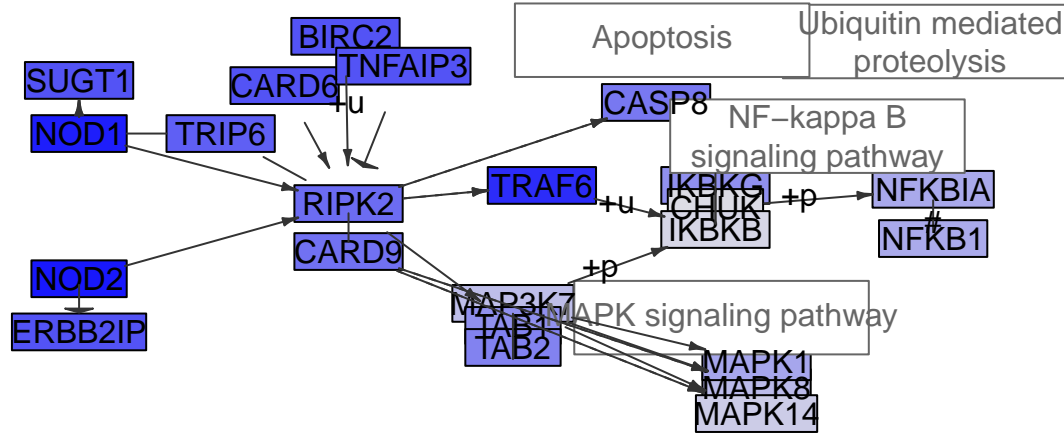
Bacterial secretion system

NLRP4 NAIP CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-087

Peptidoglycan biosynthesis



C16060

- CXCL8
- CXCL1
- CXCL2
- CCL2
- CCL5
- TNF
- IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEF1
STPIP1

NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
P90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

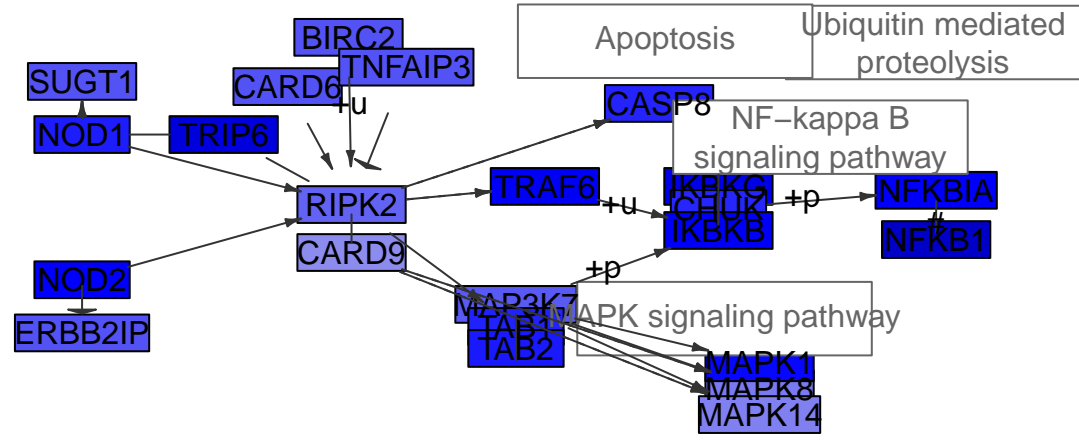
NLRP4
NAIP
CASP1

Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-089

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5
TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEF2, STPIP1, NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

Flagellar assembly
Bacterial secretion system

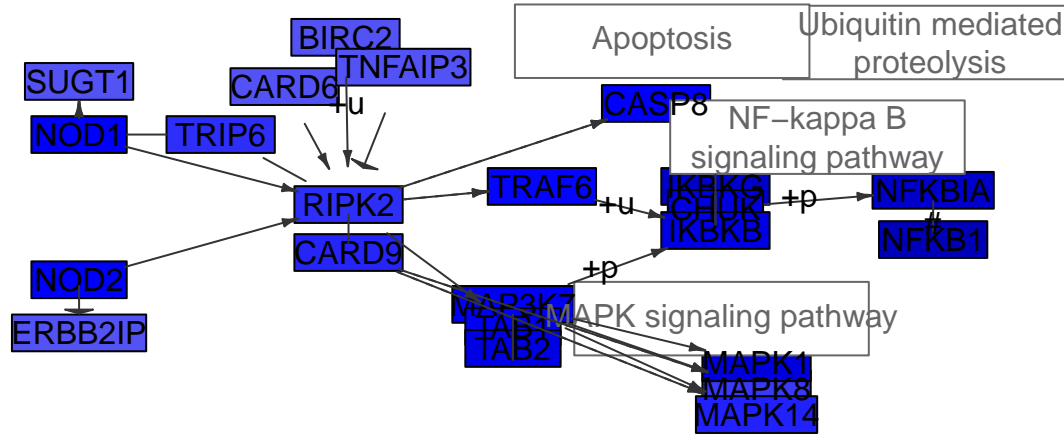
CARD18, NLRP4, PYCARD, CASP1

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-090

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5
TNF
IL6

K08645...

K11031
K10948

NLRP3
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

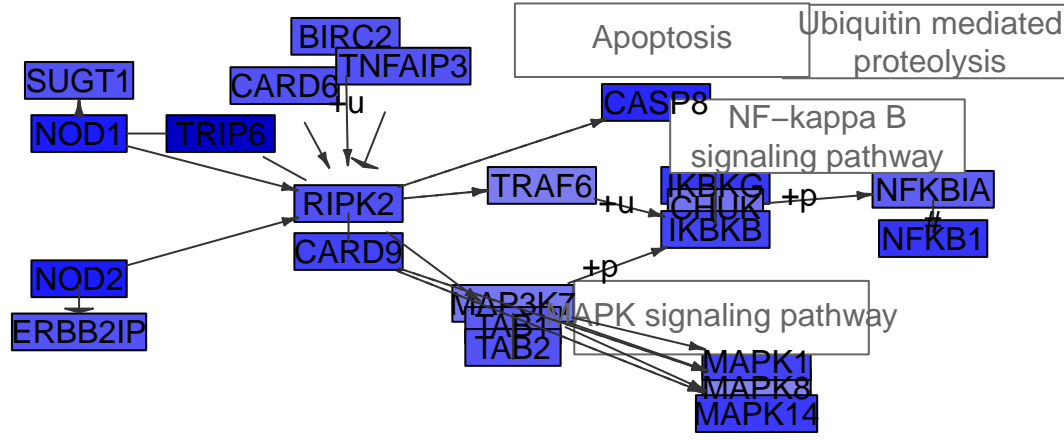
NLRP4
NAIP
CASP1

Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-091

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1P
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
PSP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

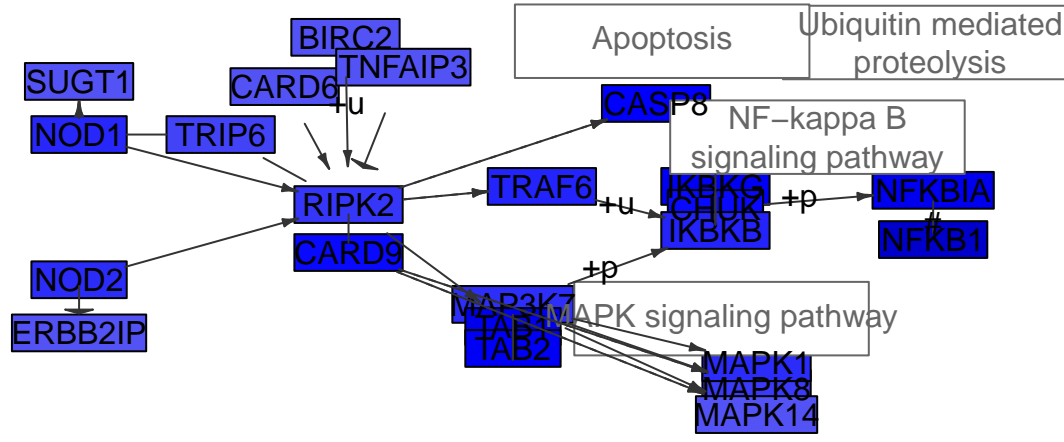
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-095

Peptidoglycan biosynthesis



K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

NLRP4, NAIP, CASP1

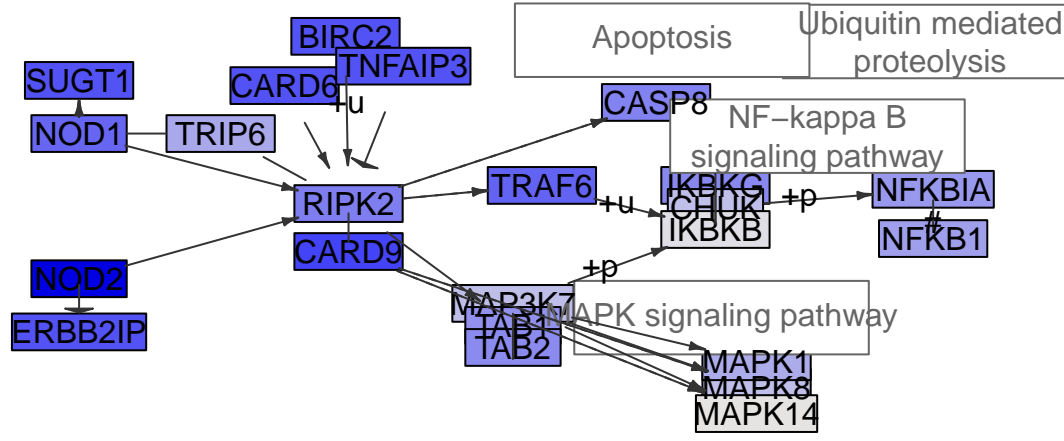
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-101

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

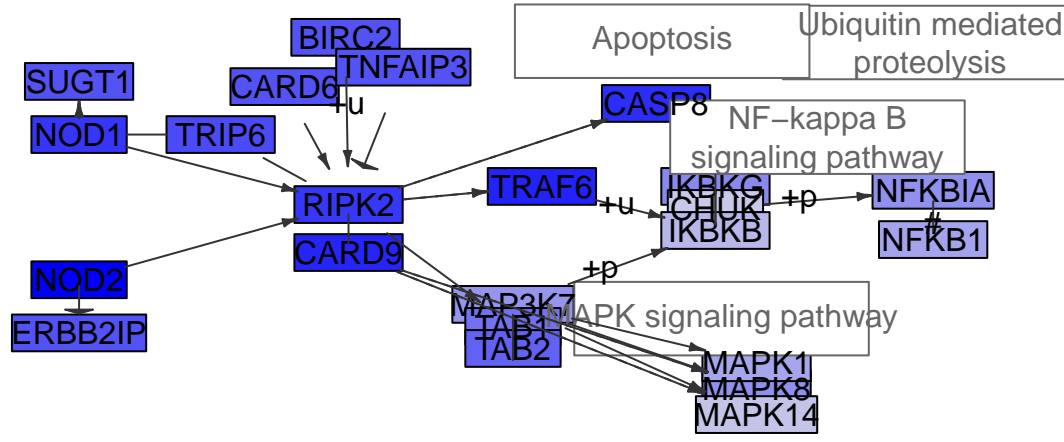
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-114

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3 CARD CASP1
CASP5

K11031
K10948

PYDC1 MEFV STPIP1
NLRP3 CARD CASP1
CARD6 CASP1

SUGT1 SP90AA1

IL1B
IL18

CARD18
NLRP4 CARD CASP1

Flagellar assembly

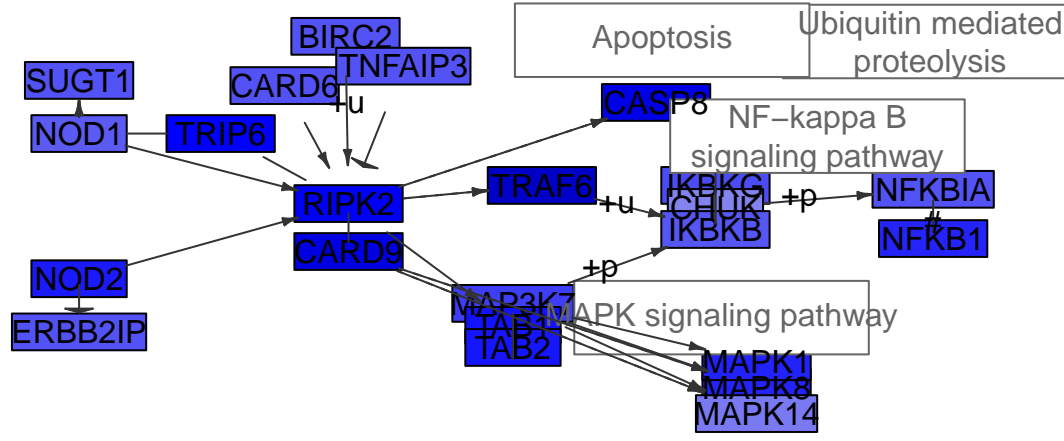
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4 NAIP CASP1

NOD-like receptor signaling pathway
MPI-123

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3 PYCARD CASP1
CASP5

K11031
K10948

PYDC1 MEFV STPIP1
NLRP3 PYCARD CASP1
CARD6 CASP1

SUGT1 SP90AA1

IL1B
IL18

CARD18
NLRP4 PYCARD CASP1

Flagellar assembly

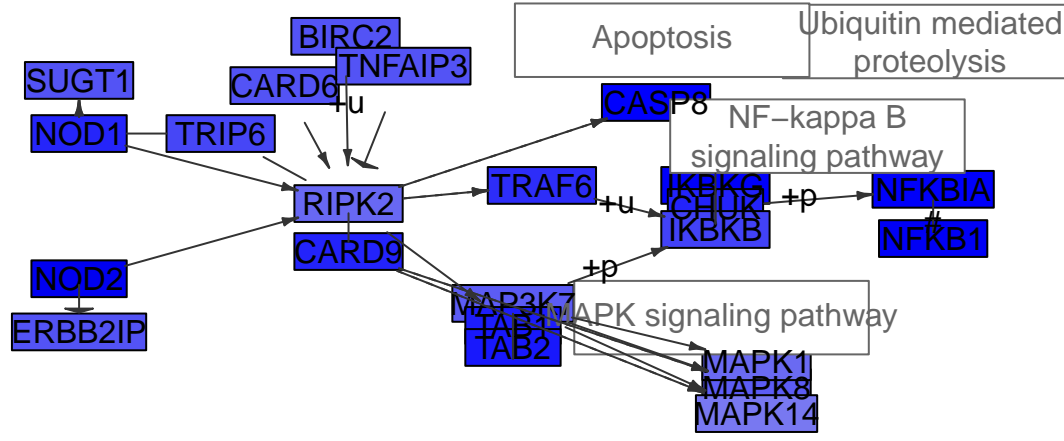
Bacterial secretion system

NLRP4 NAIP CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-138

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly
Bacterial secretion system

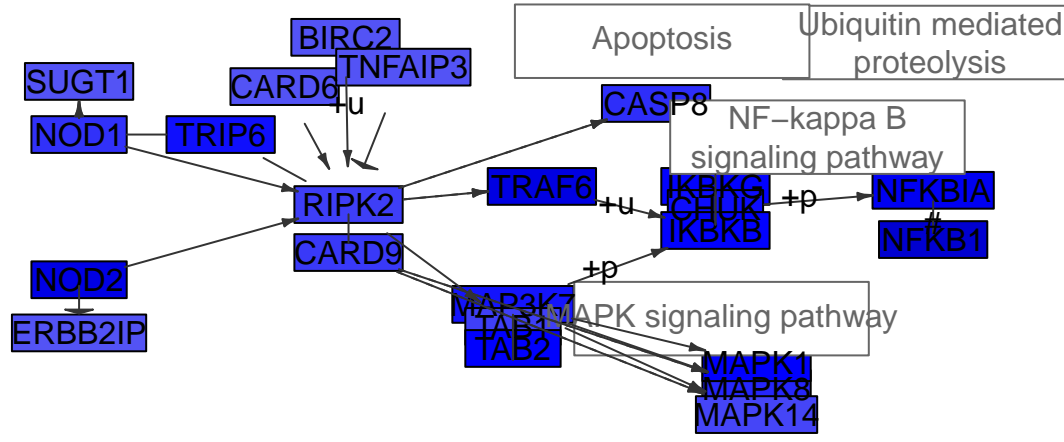
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-139

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF7
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

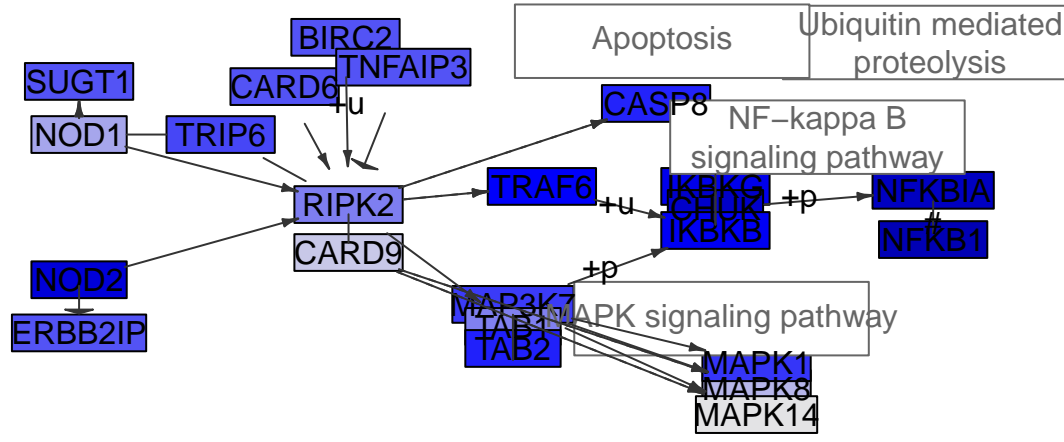
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-140

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
P90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

NLRP4
NAIP
CASP1

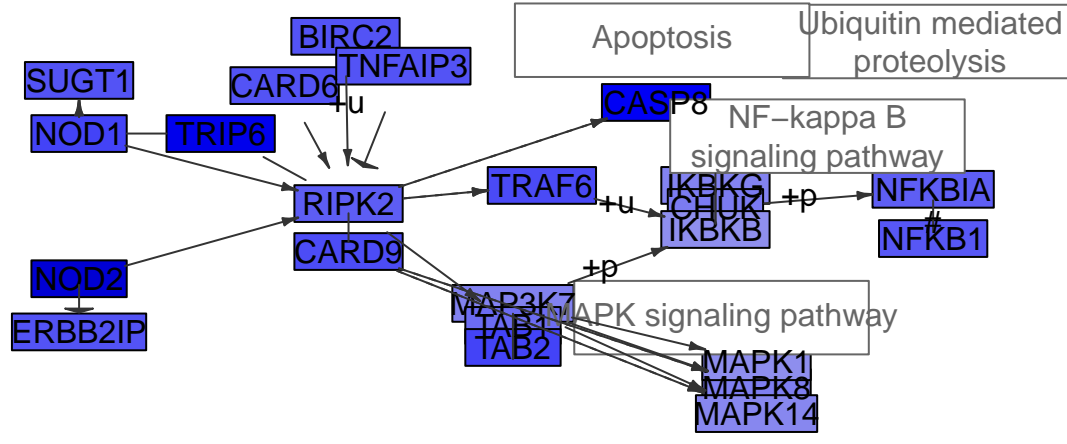
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-144

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1P
STPIP1
NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

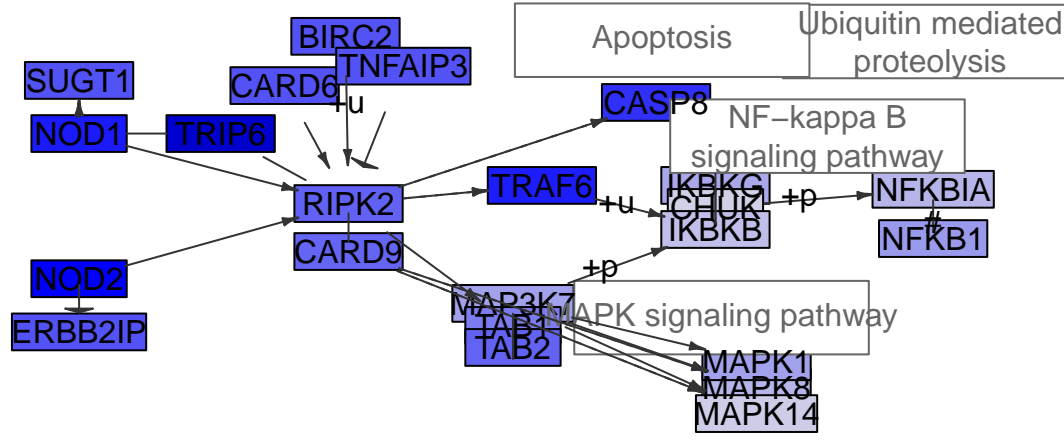
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-147

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

Flagellar assembly

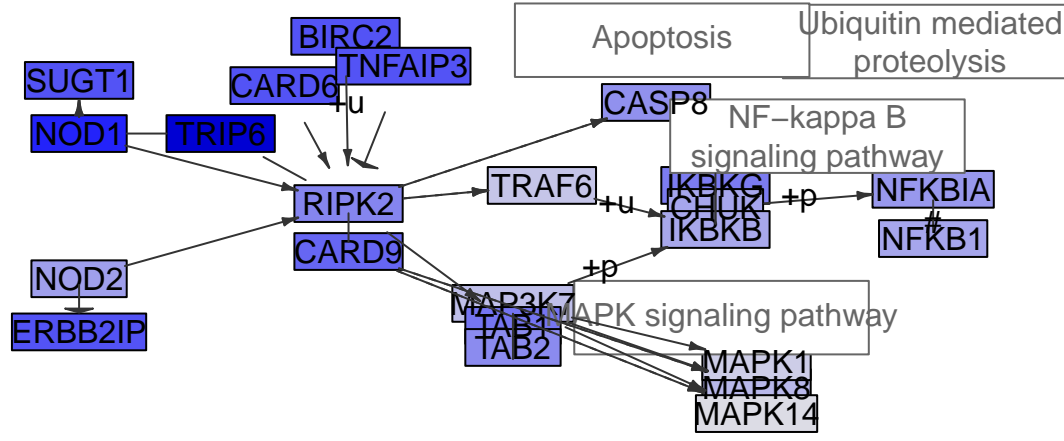
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-171

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEF2, STPIP1

NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

NLRP4, NAIP, CASP1

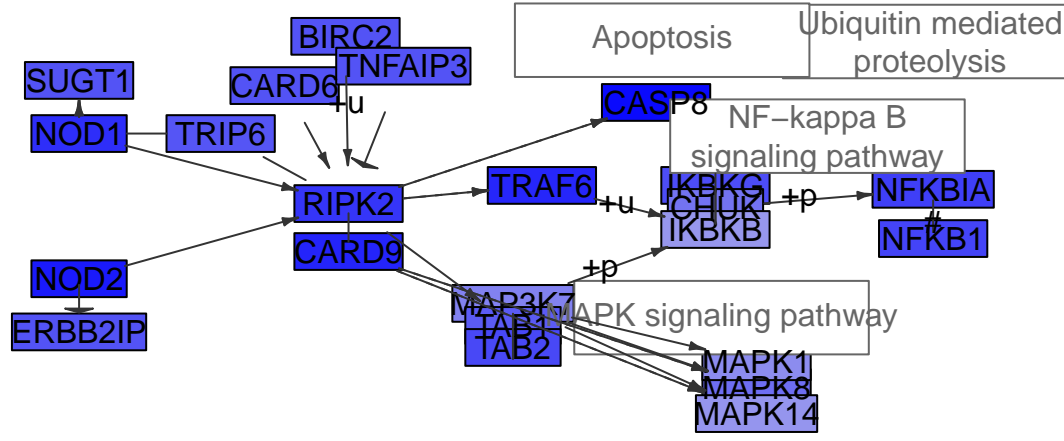
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-172

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

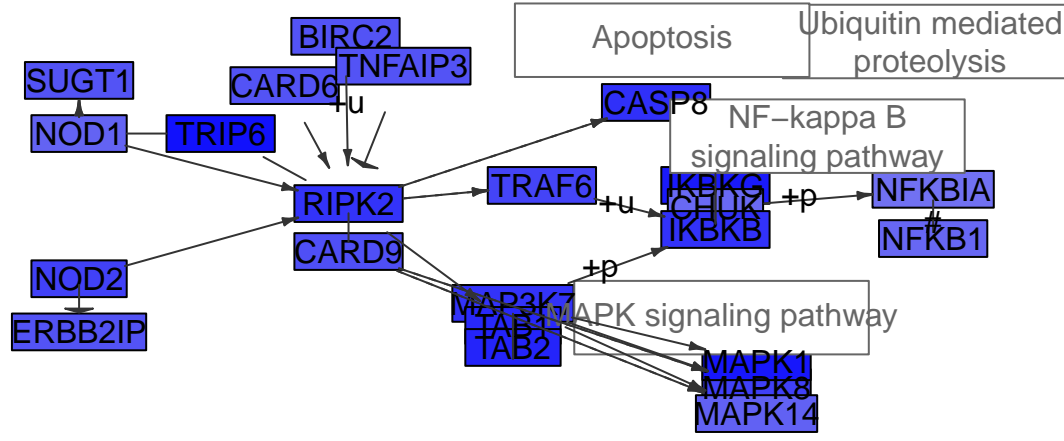
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-007

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

NLRP4, NAIP, CASP1

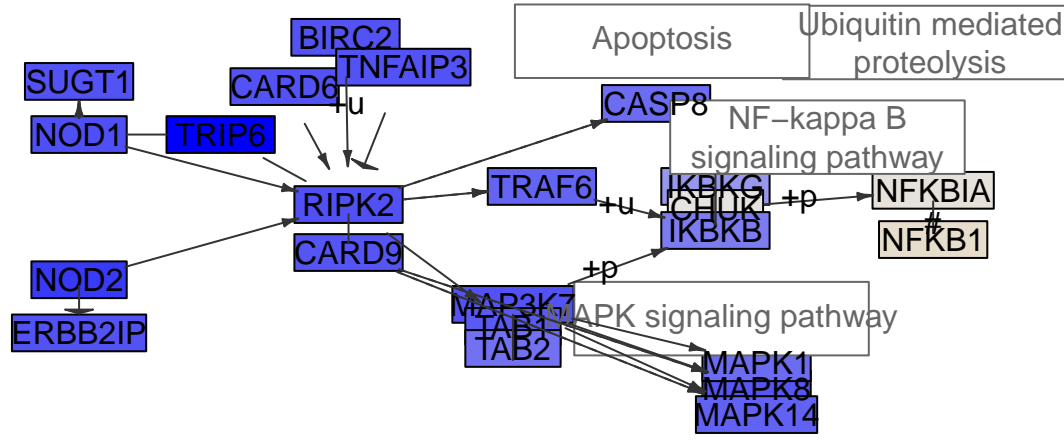
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-011

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEF2, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

NLRP4, NAIP, CASP1

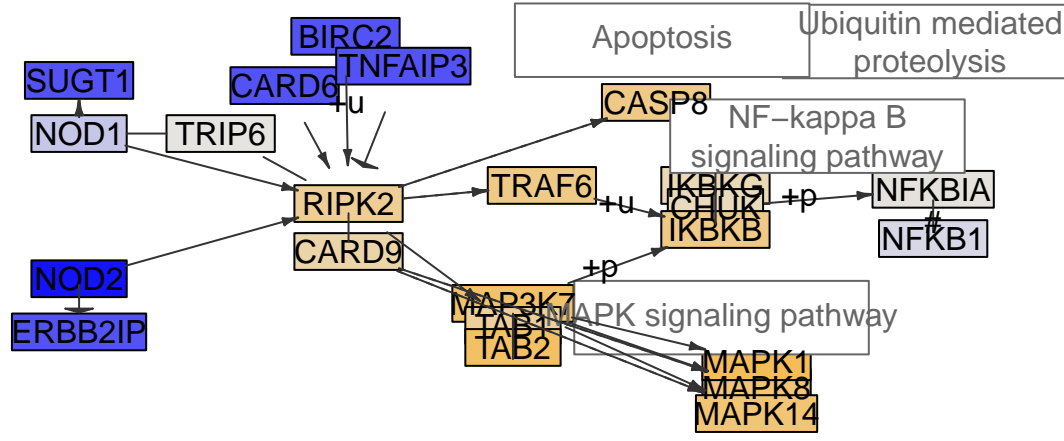
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-024

Peptidoglycan biosynthesis



C16060

- CXCL8
- CXCL1
- CXCL2
- CCL2
- CCL5
- TNF
- IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

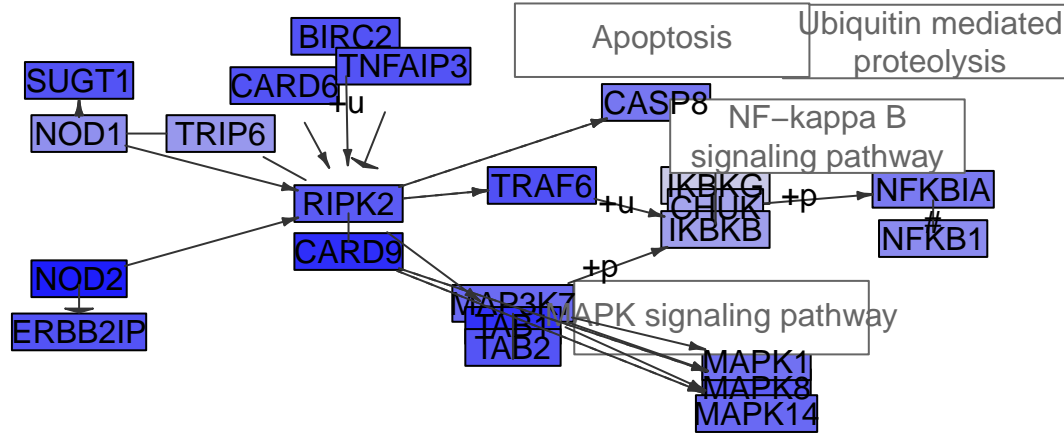
NLRP4, NAIP, CASP1

Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-026

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

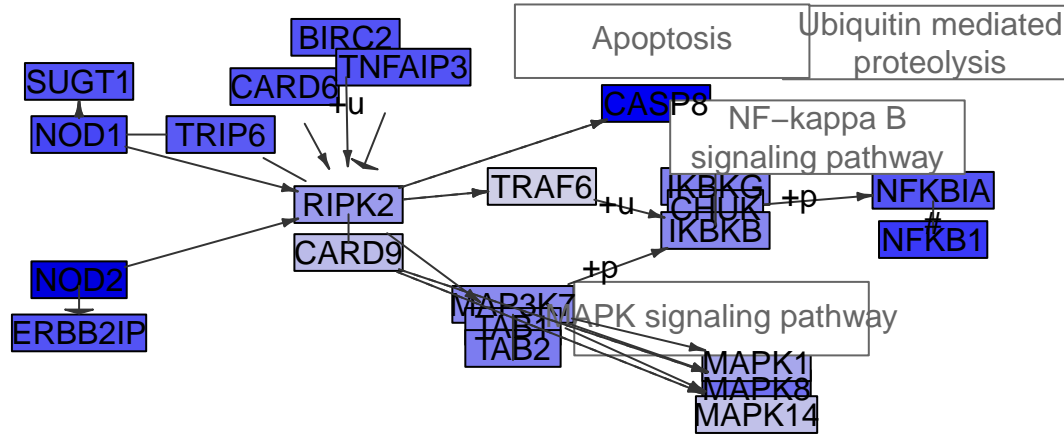
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-036

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

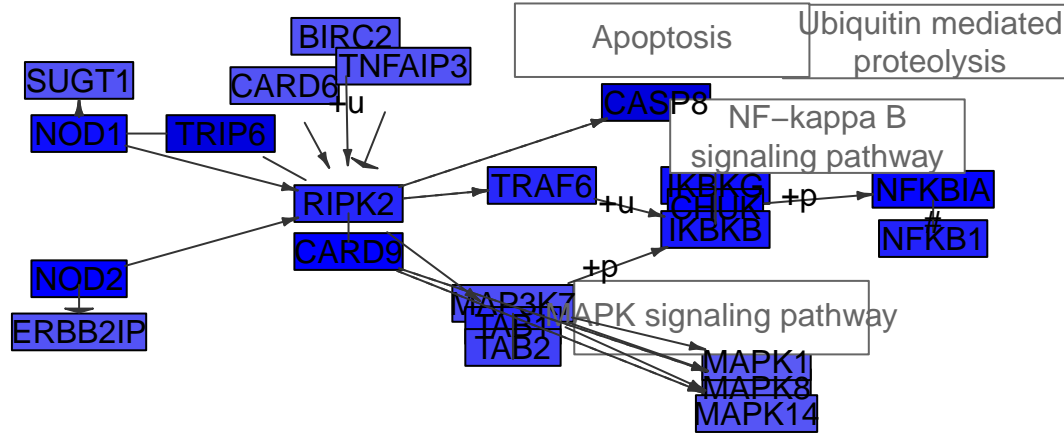
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-037

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP3
PYCARD
CASP1

Flagellar assembly

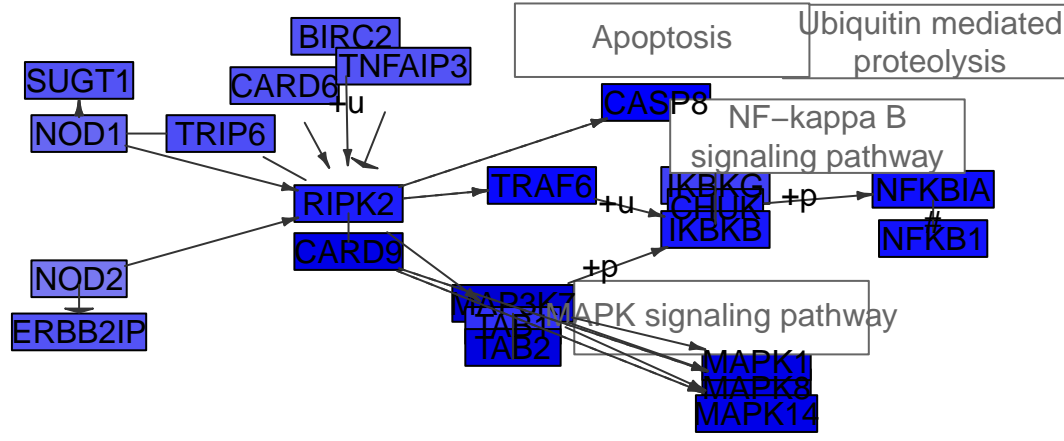
Bacterial secretion system

NLRP4
NAIP
CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-038

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1P
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

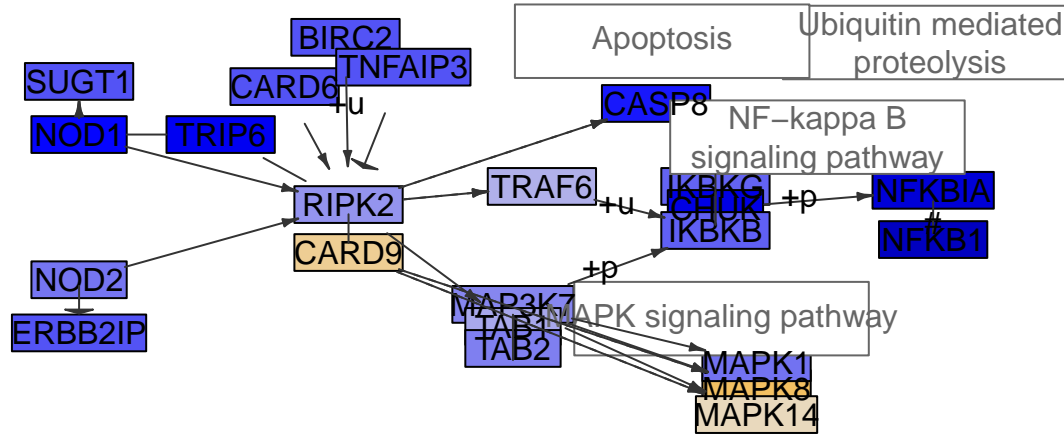
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-041

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1
CASP5

K11031
K10948

PYDC1, MEF2, STPIP1
NLRP3, PYCARD, CASP1
CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

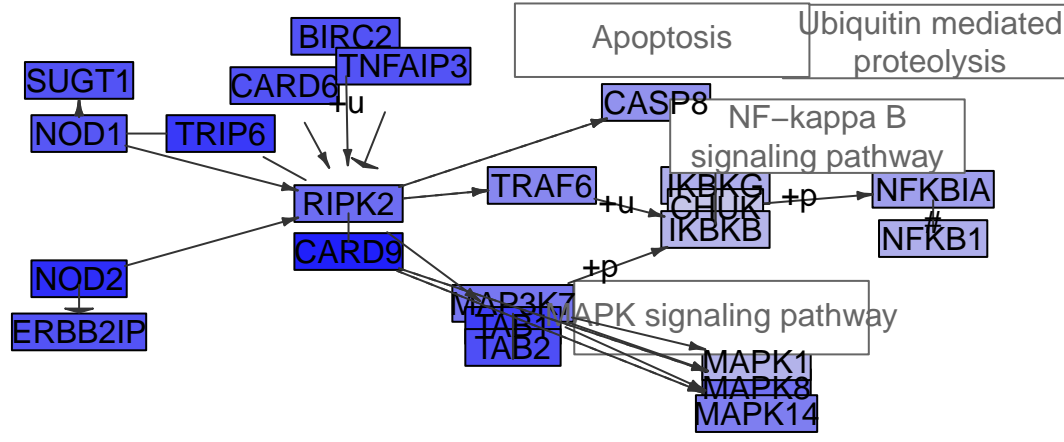
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-046

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1 PYCARD CASP1
CASP5

PYDC1 MEFV STPIP1
NLRP3 PYCARD CASP1
CARD3 CASP1

SUGT1 IL1S
P90AA1

IL1B
IL18

CARD18
NLRP4 PYCARD CASP1

NLRP4 NAIP CASP1

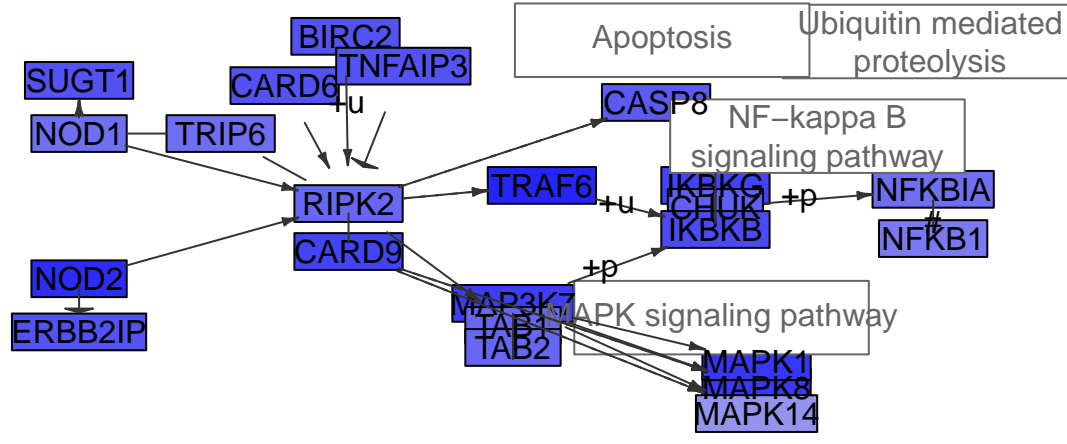
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-050

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEF1
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

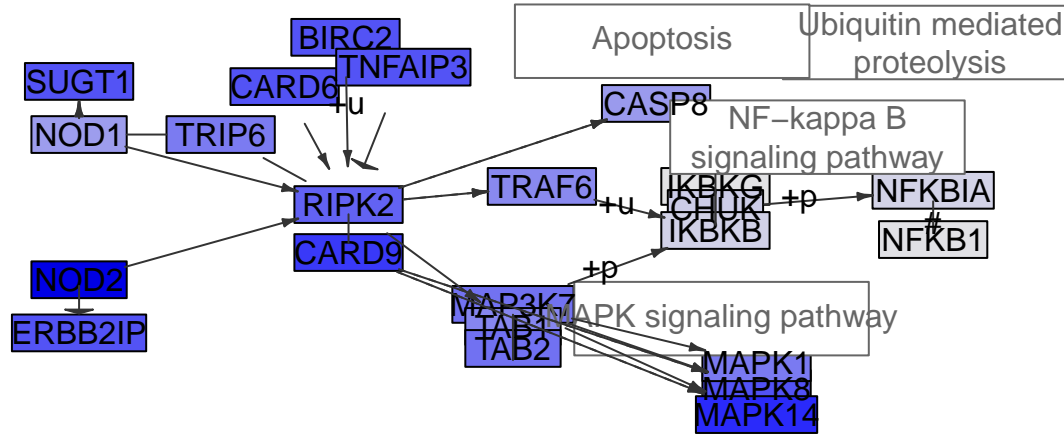
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-051

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly
Bacterial secretion system

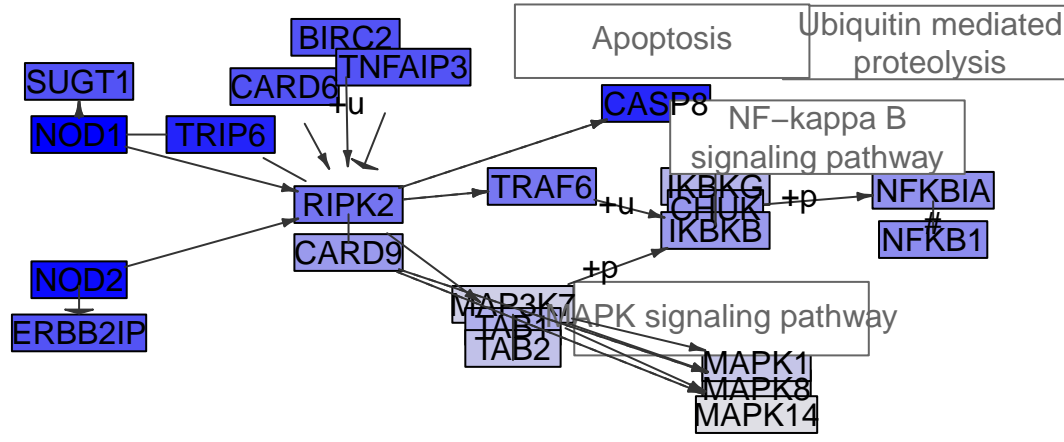
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-054

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

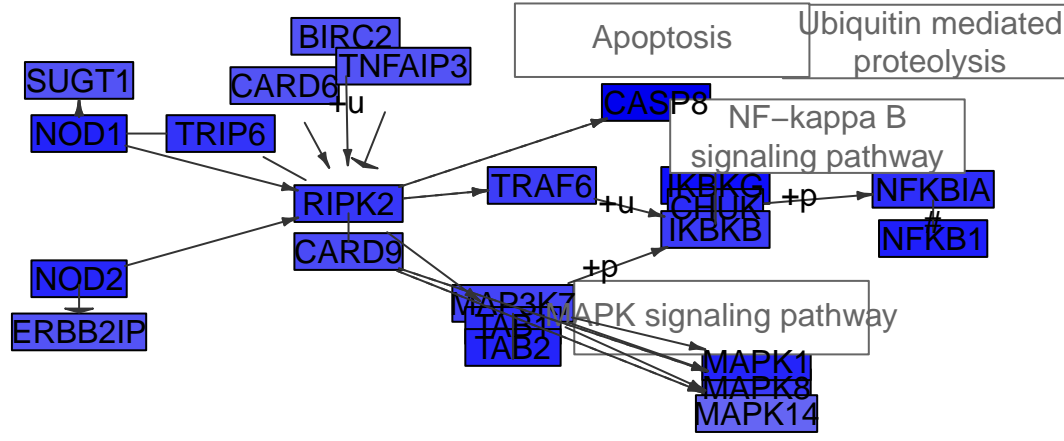
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-059

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

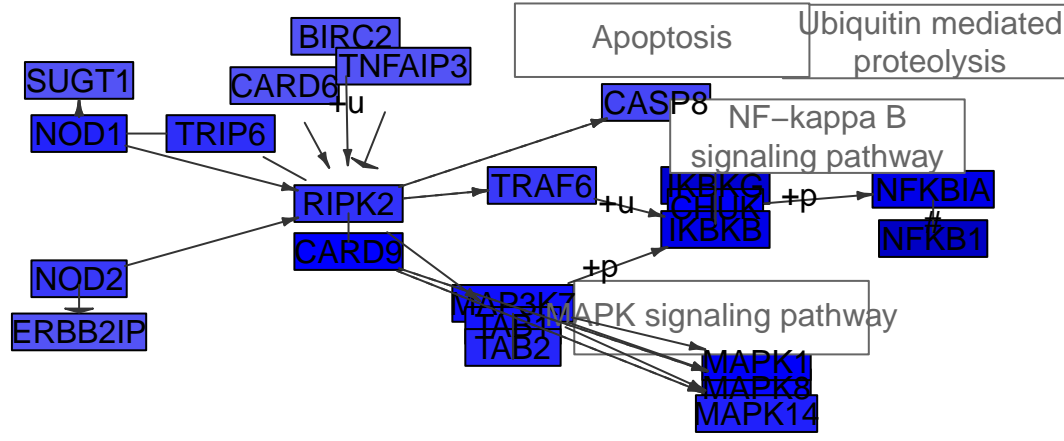
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-060

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

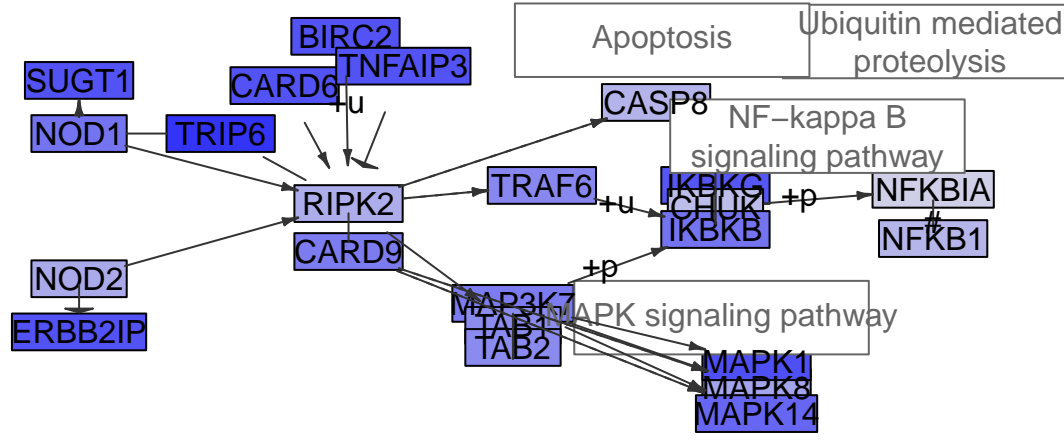
CARD18
NLRP3
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-061

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

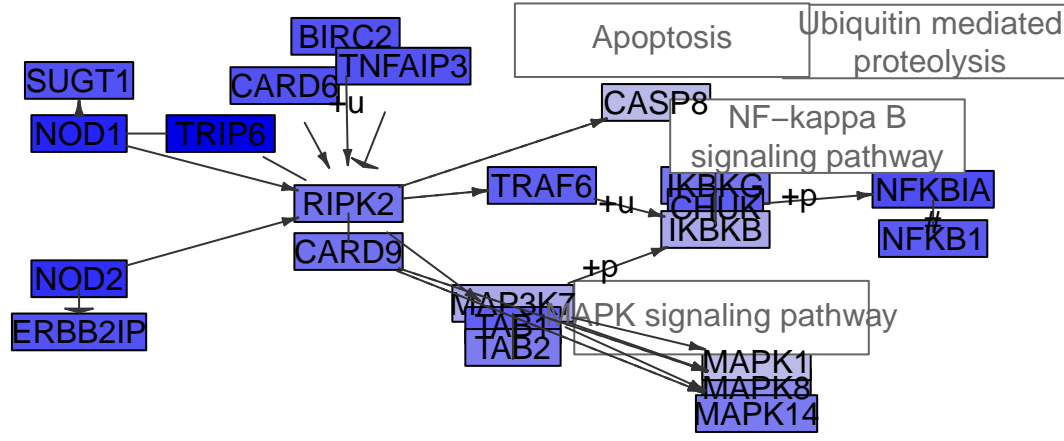
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-064

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEF2, STPIP1, NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

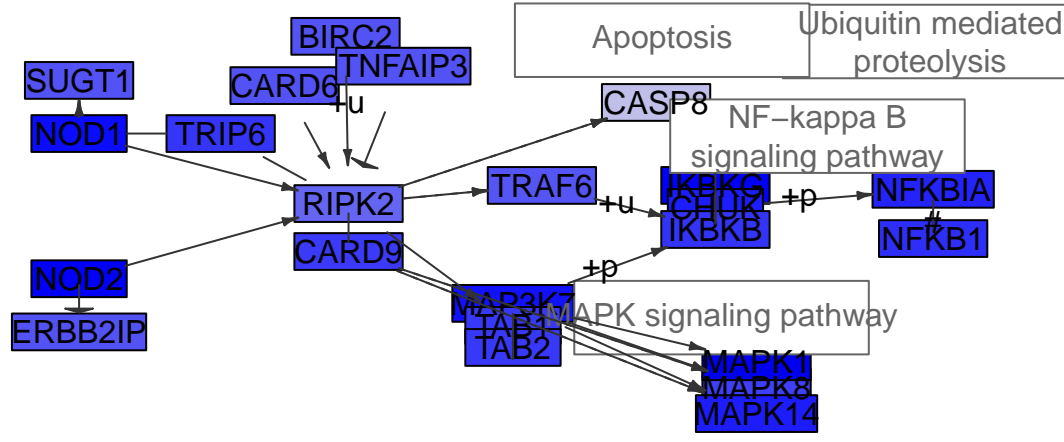
Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-070

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1P
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP3
PYCARD
CASP1

Flagellar assembly

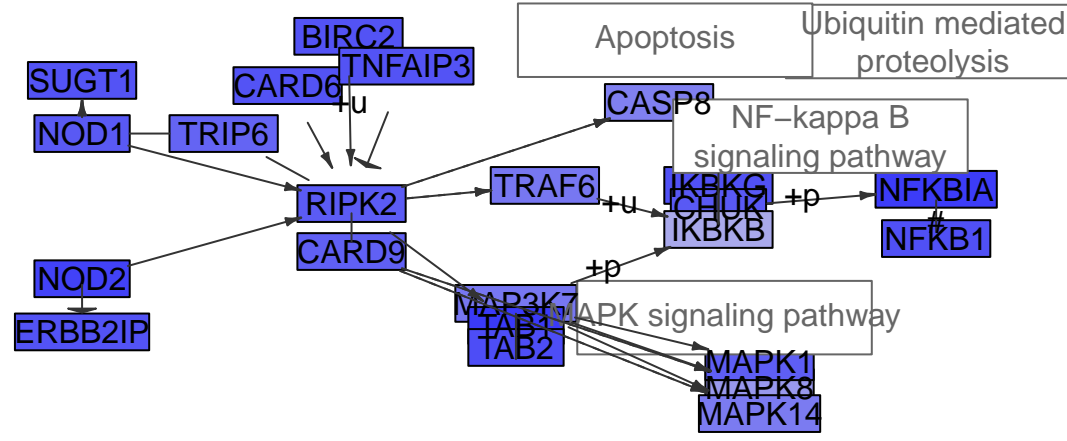
Bacterial secretion system

NLRP4
NAIP
CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-072

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

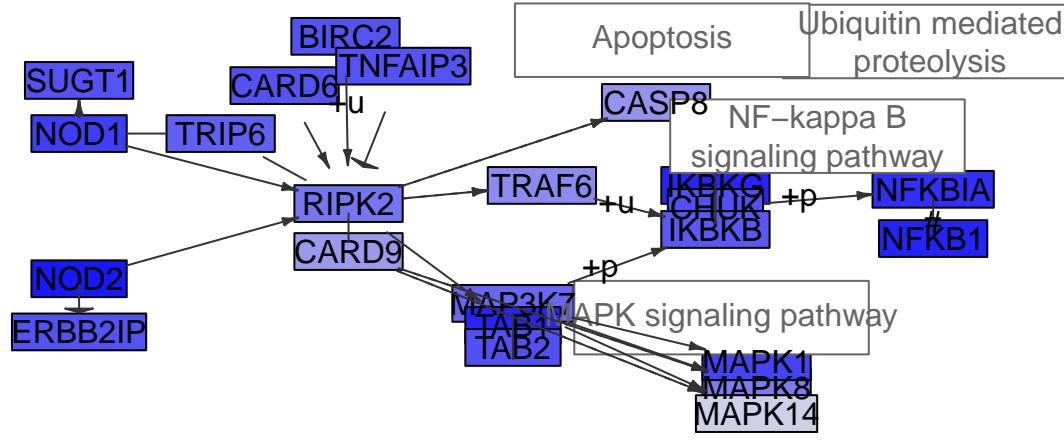
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-093

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

NLRP4, NAIP, CASP1

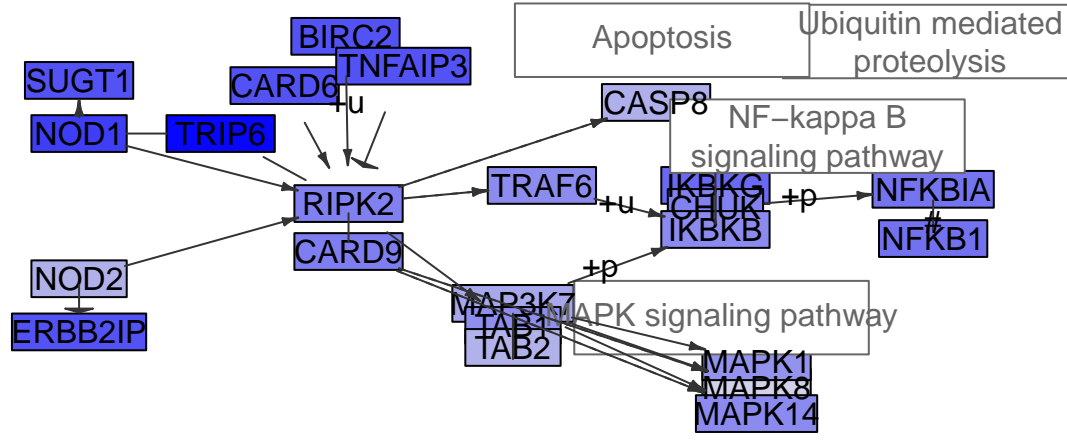
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-094

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1
CASP5

K11031
K10948

PYDC1, MEF2, STPIP1
NLRP3, PYCARD, CASP1
CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

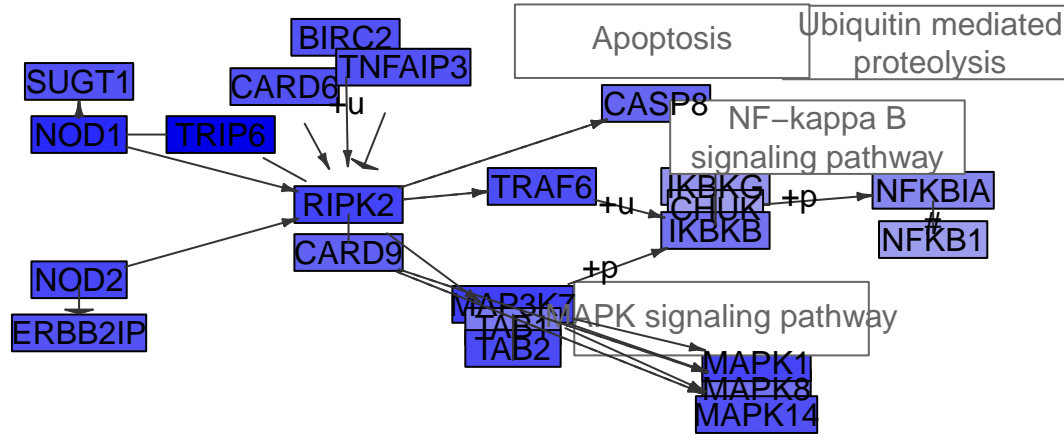
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-099

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

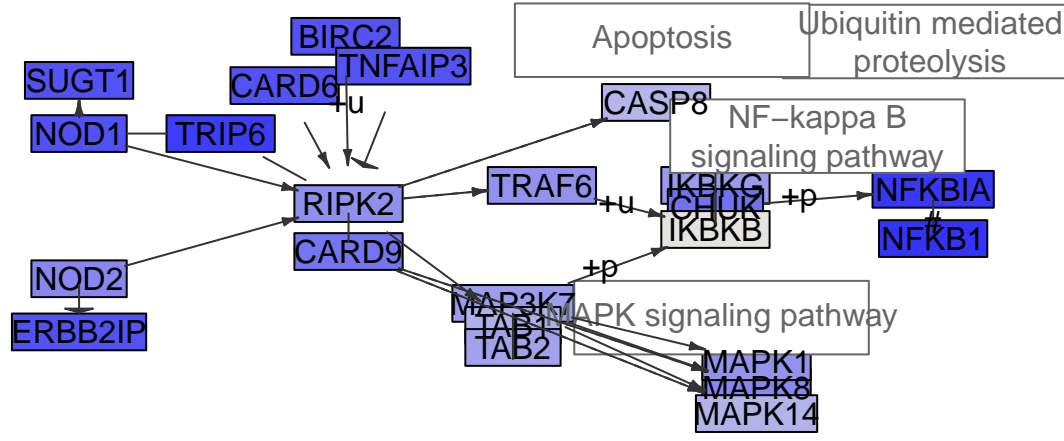
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-104

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

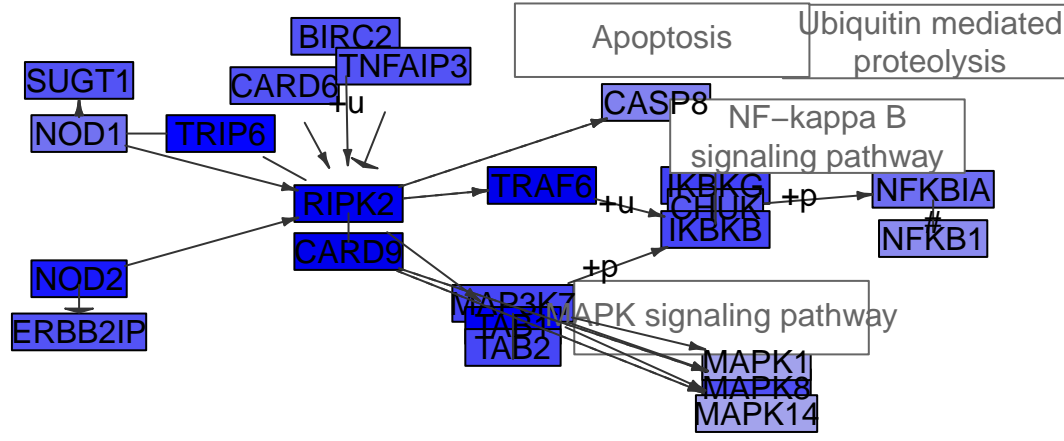
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-107

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
P90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

NLRP4
NAIP
CASP1

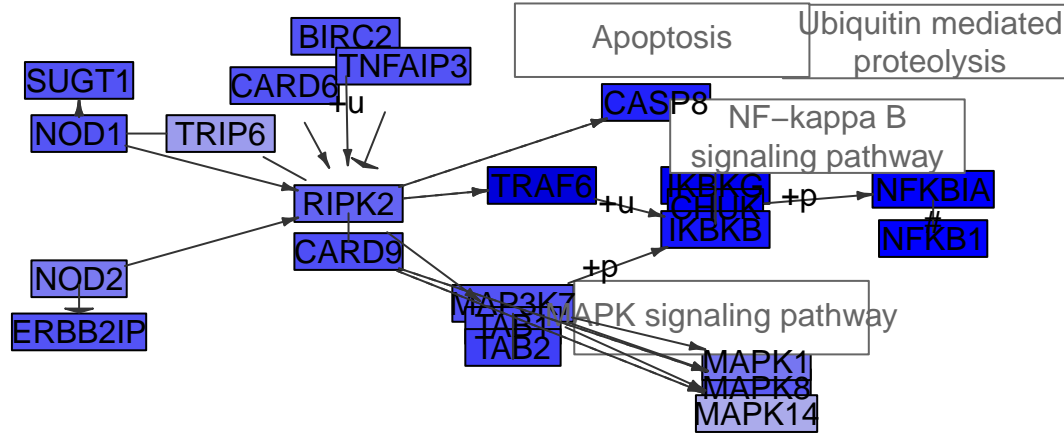
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-112

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

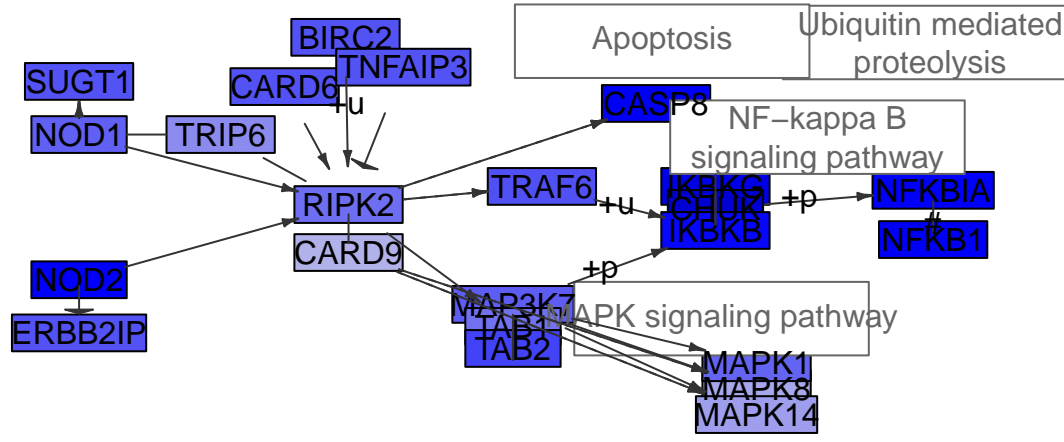
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-116

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

Flagellar assembly

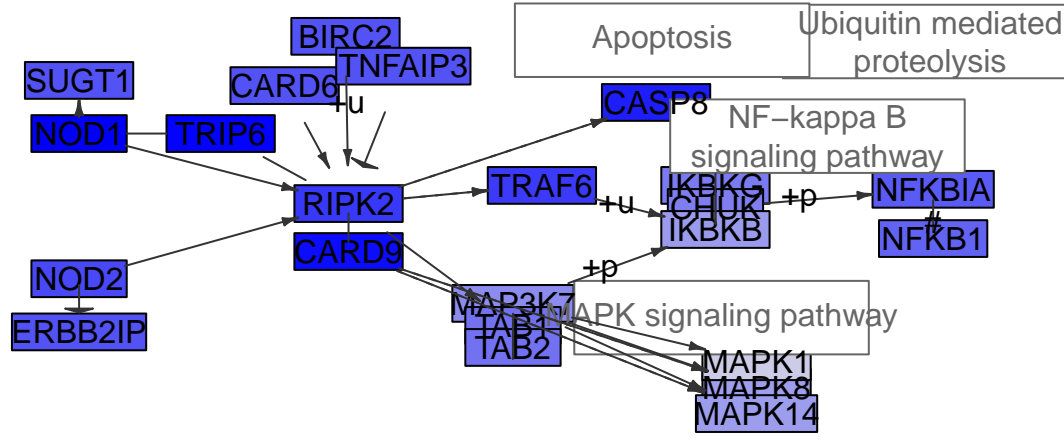
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-117

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP3, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

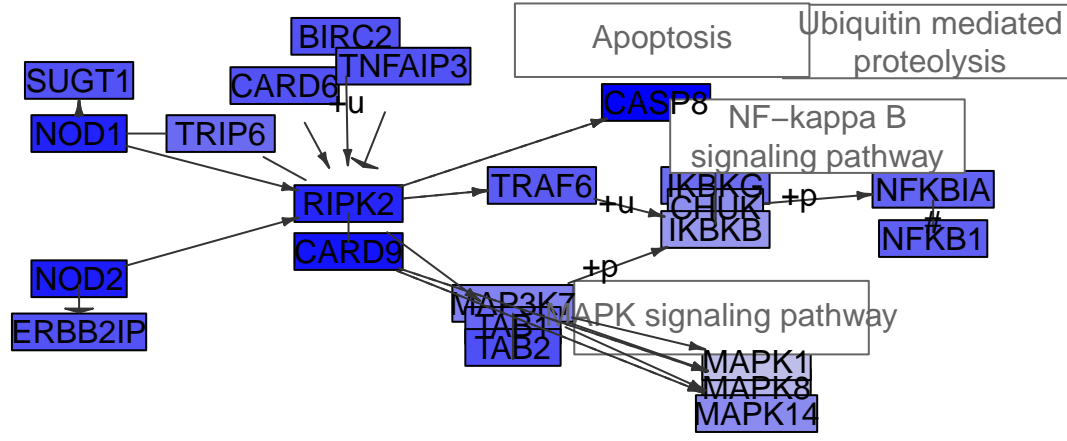
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-120

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

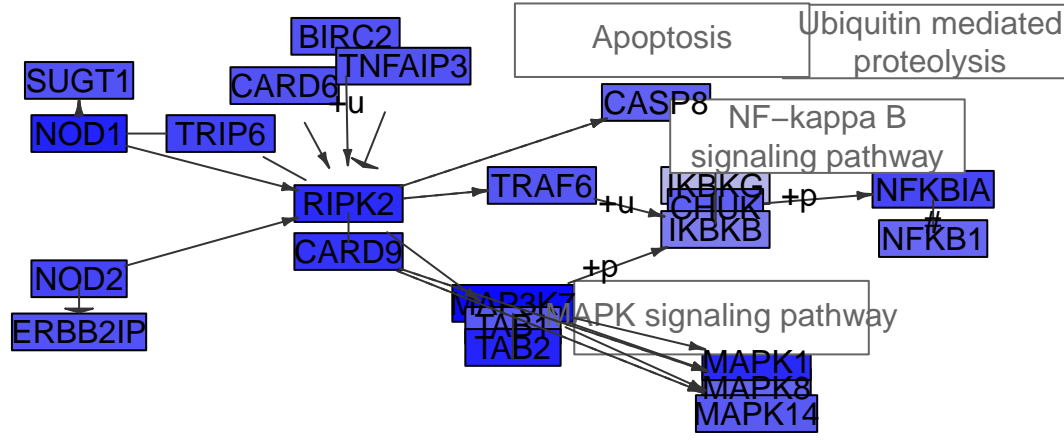
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-121

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEF2, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

Flagellar assembly

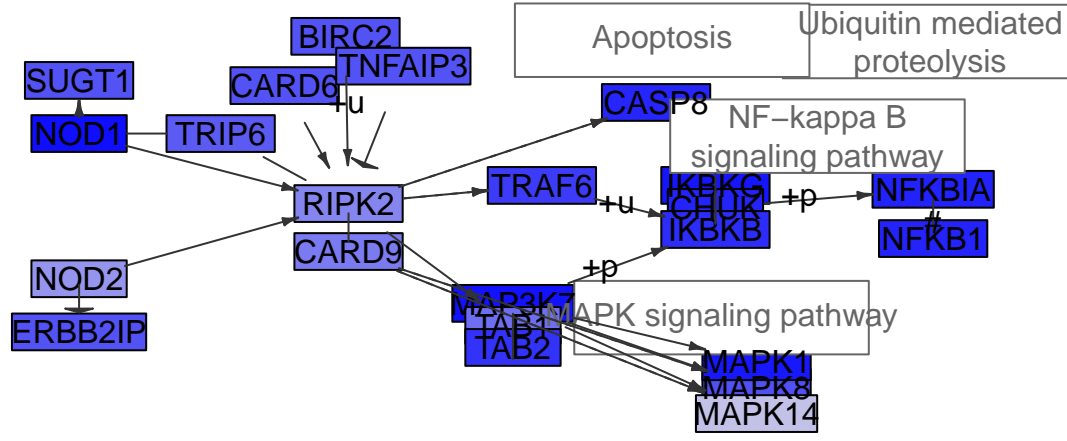
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-124

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly
Bacterial secretion system

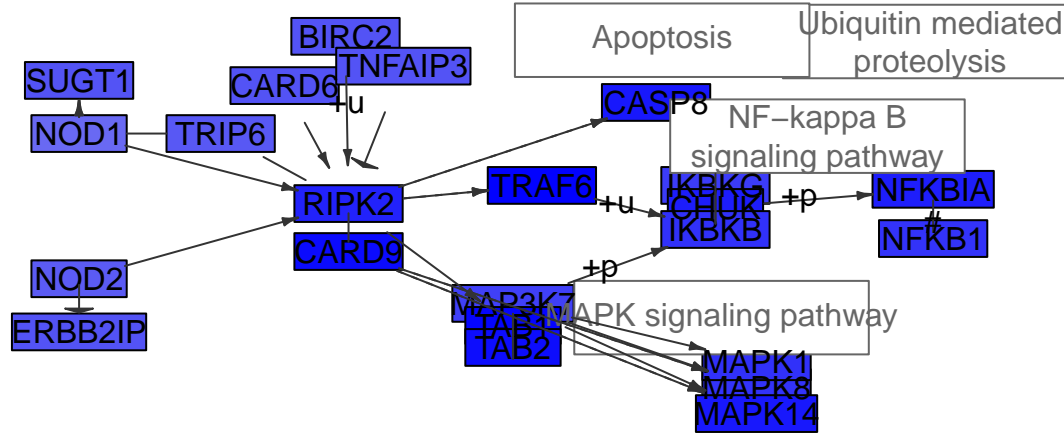
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-126

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

Flagellar assembly

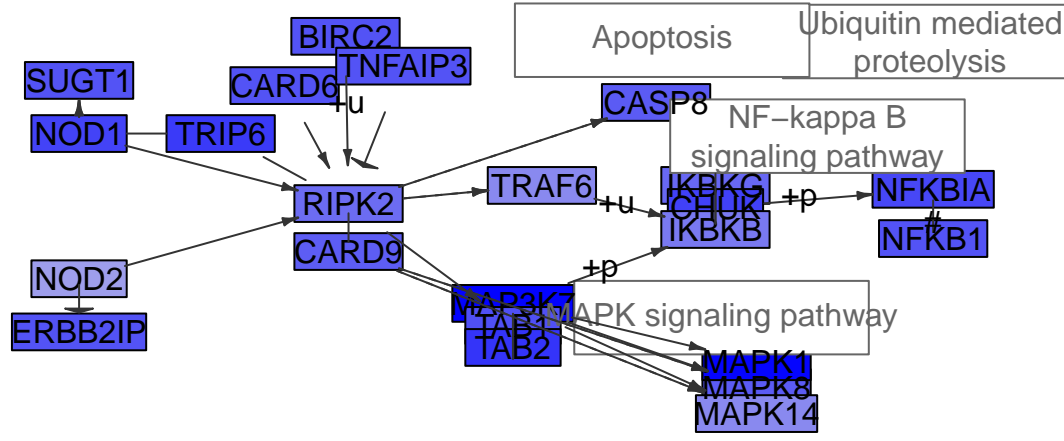
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-131

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

Flagellar assembly

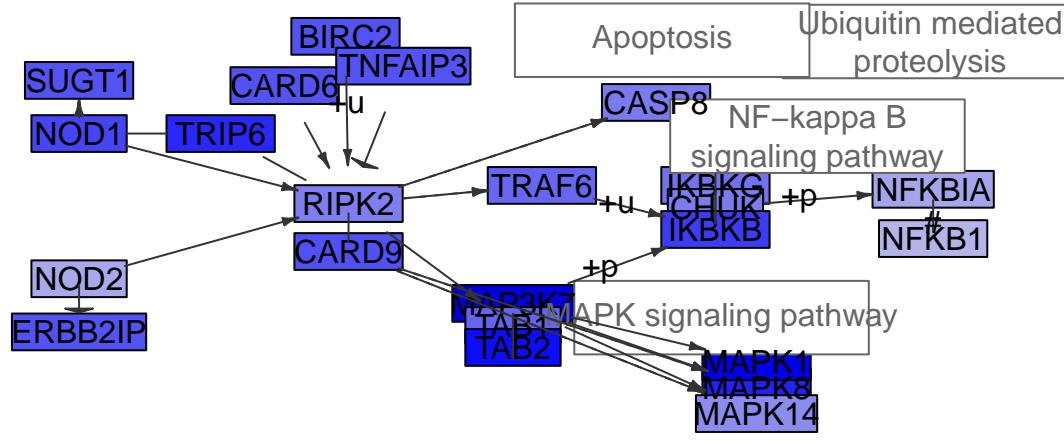
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-143

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3, PYCARD, CASP1
CASP5

K11031
K10948

PYDC1, MEFV, STPIP1
NLRP3, PYCARD, CASP1
CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

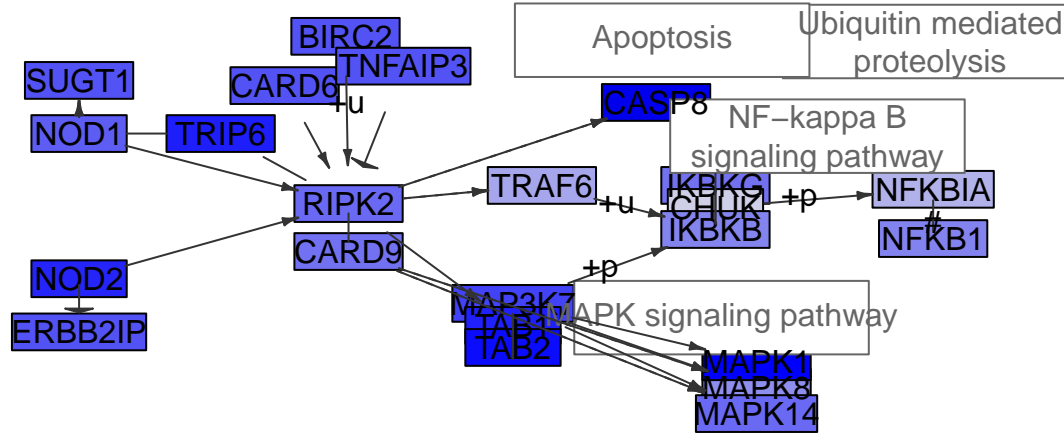
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-148

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

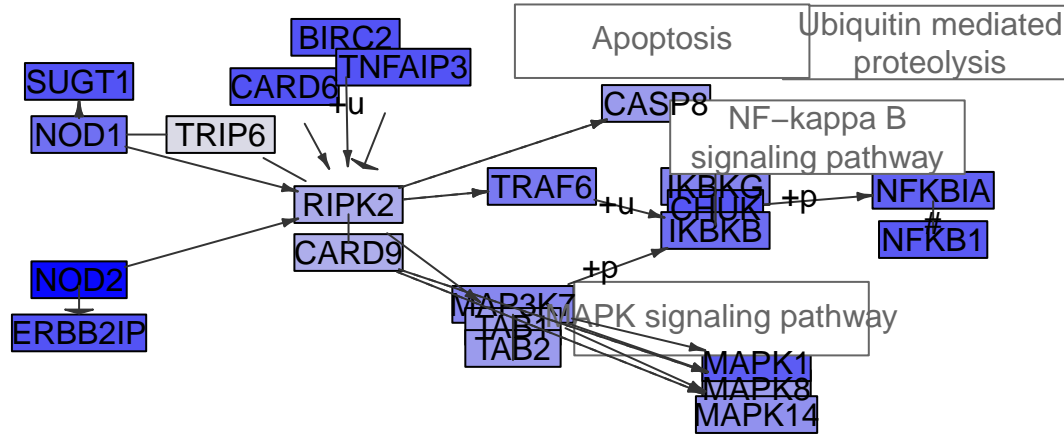
CARD18, NLRP4, PYCARD, CASP1

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-161

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

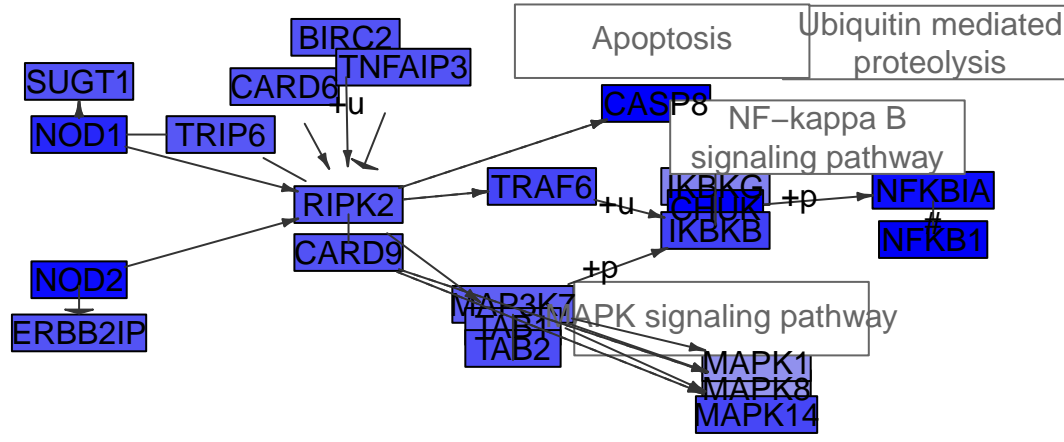
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-162

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

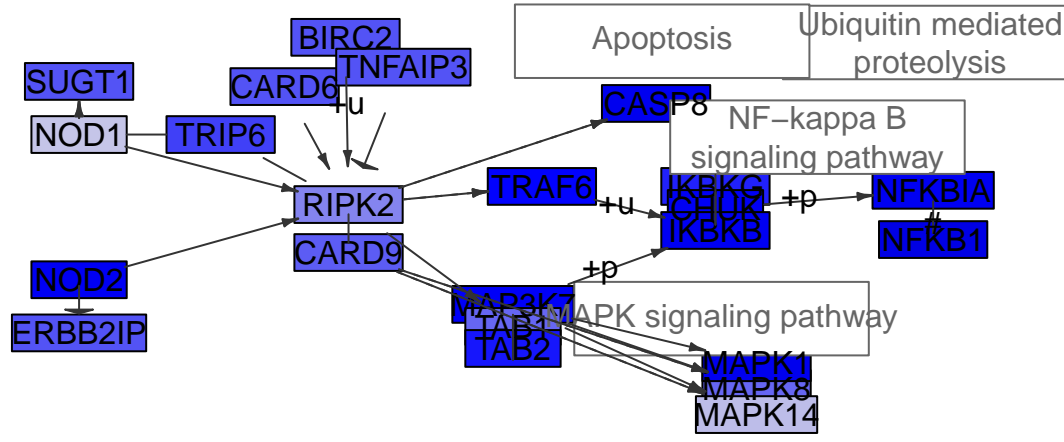
CARD18
NLRP3
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-165

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP3
PYCARD
CASP1
CASP5

PYDC1
MEF1
STPIP1

NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP3
PYCARD
CASP1

Flagellar assembly

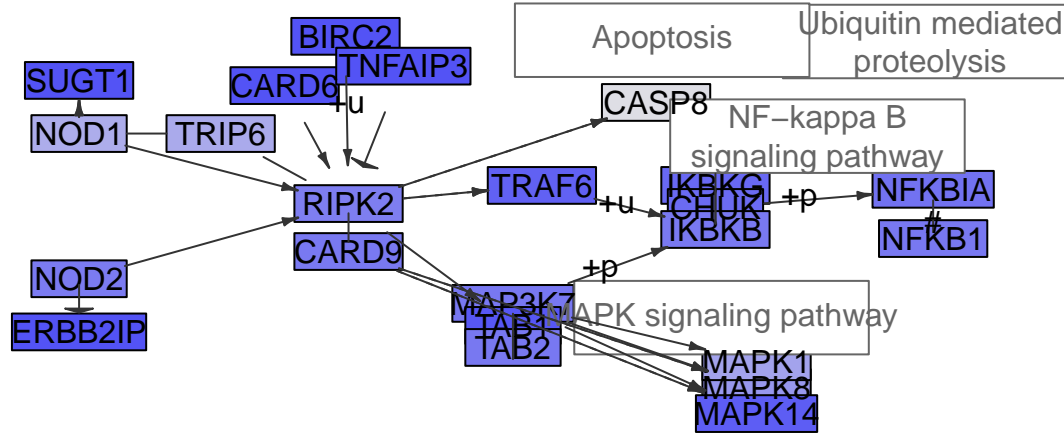
Bacterial secretion system

NLRP4
NAIP
CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-169

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1
CASP5

K11031
K10948

PYDC1, MEFV, STPIP1
NLRP3, PYCARD, CASP1
CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

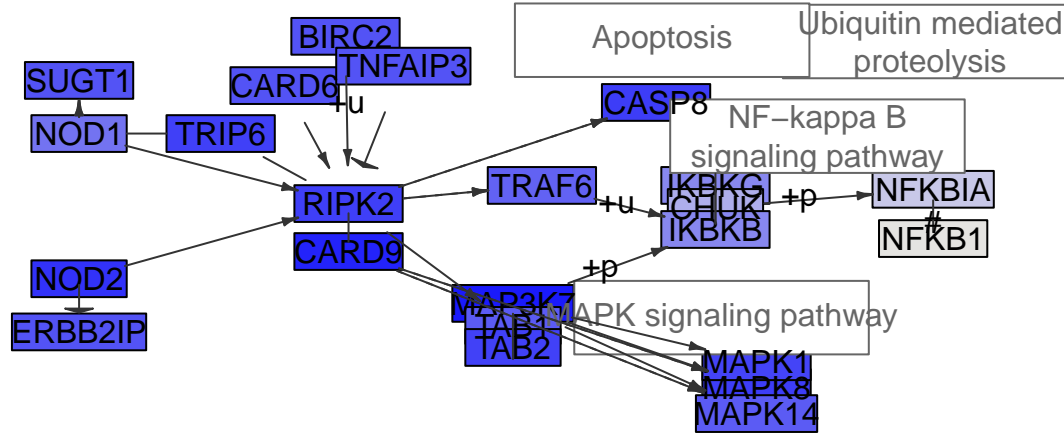
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-175

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

NLRP4, NAIP, CASP1

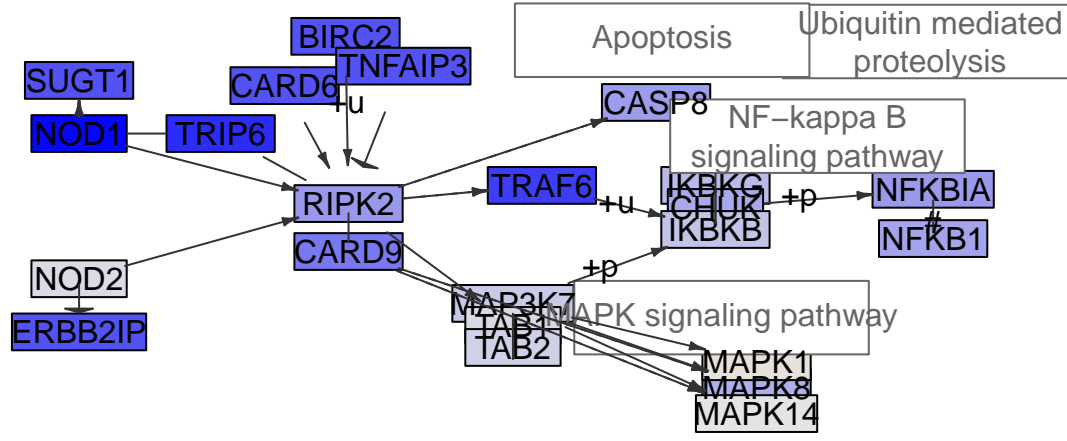
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-187

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

Flagellar assembly

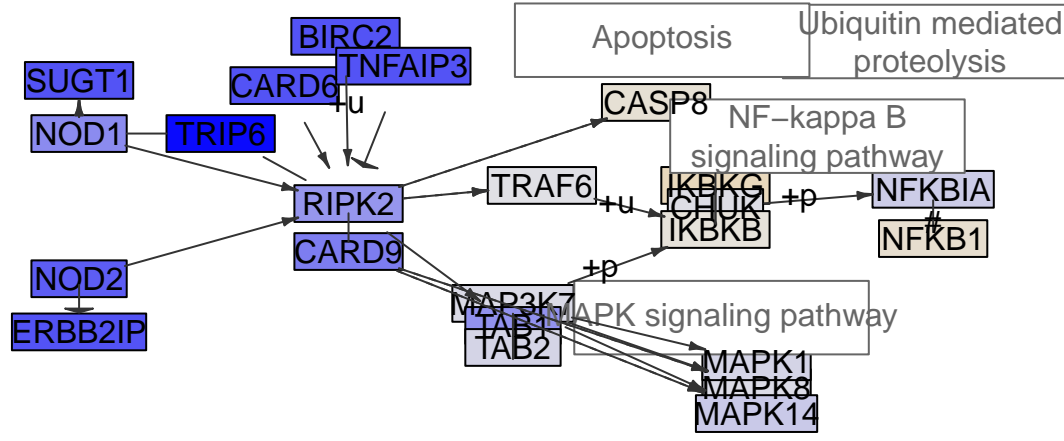
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-193

Peptidoglycan biosynthesis



C16060

- CXCL8
- CXCL1
- CXCL2
- CCL2
- CCL5
- TNF
- IL6

K08645...

K11031
K10948

NLRP3, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP3, PYCARD, CASP1

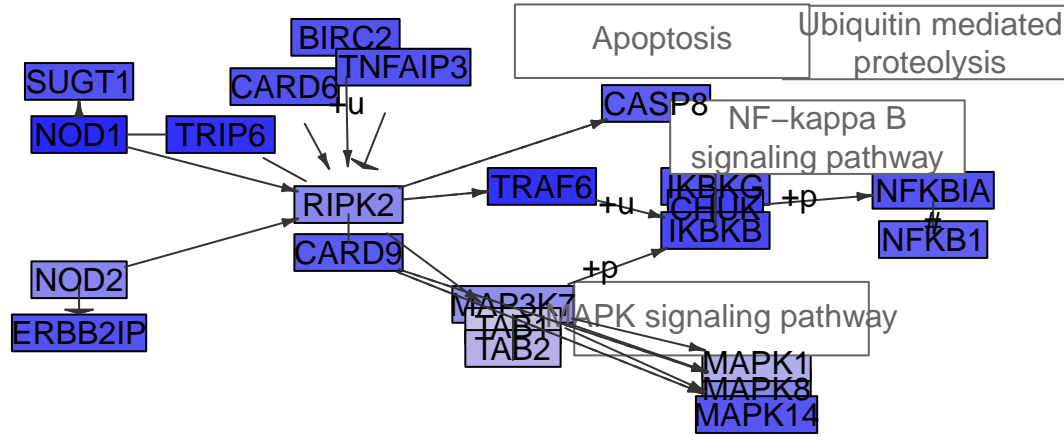
NLRP4, NAIP, CASP1

Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-216

Peptidoglycan biosynthesis



C16060

- CXCL8
- CXCL1
- CXCL2
- CCL2
- CCL5
- TNF
- IL6

K08645...

K11031
K10948

NLRP3, PYCARD, CASP1, CASP5

PYDC1, MEF2, STPIP1

NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP3, PYCARD, CASP1

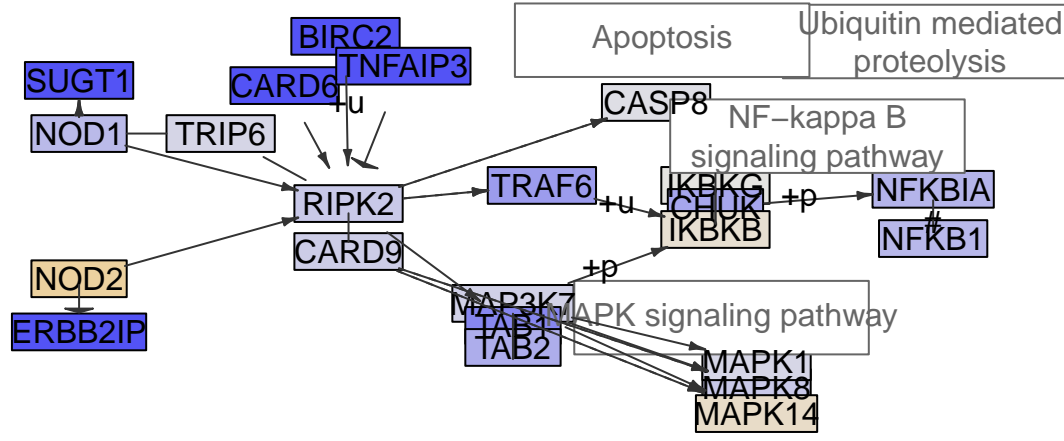
NLRP4, NAIP, CASP1

Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-222

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

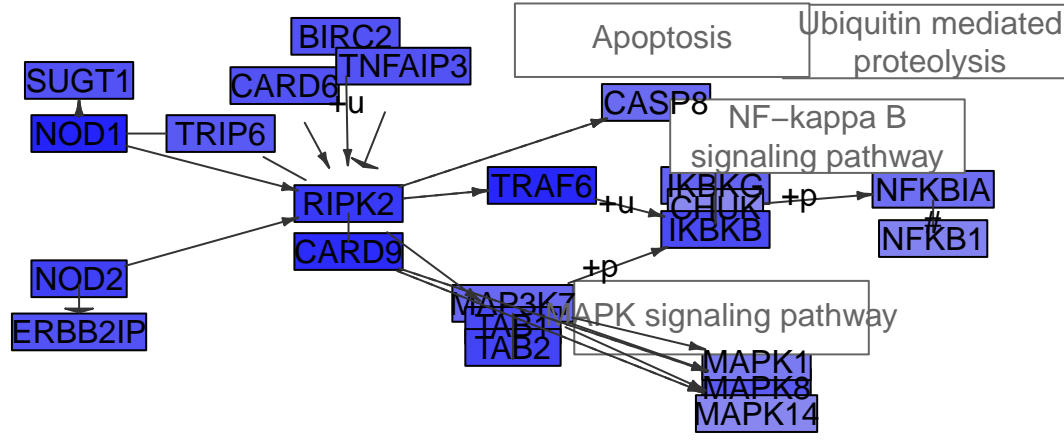
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-225

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

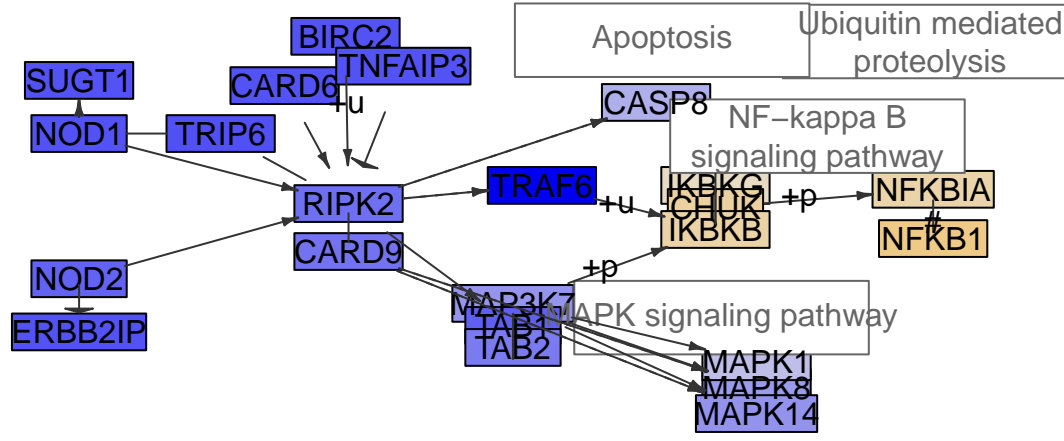
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-242

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEF2, STPIP1, NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

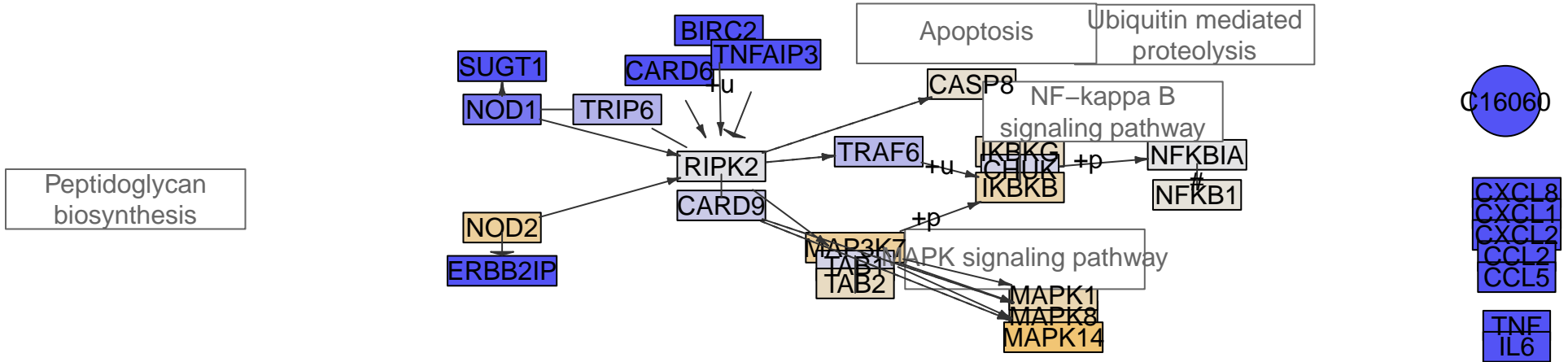
CARD18, NLRP4, PYCARD, CASP1

Flagellar assembly
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-245



K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
P90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

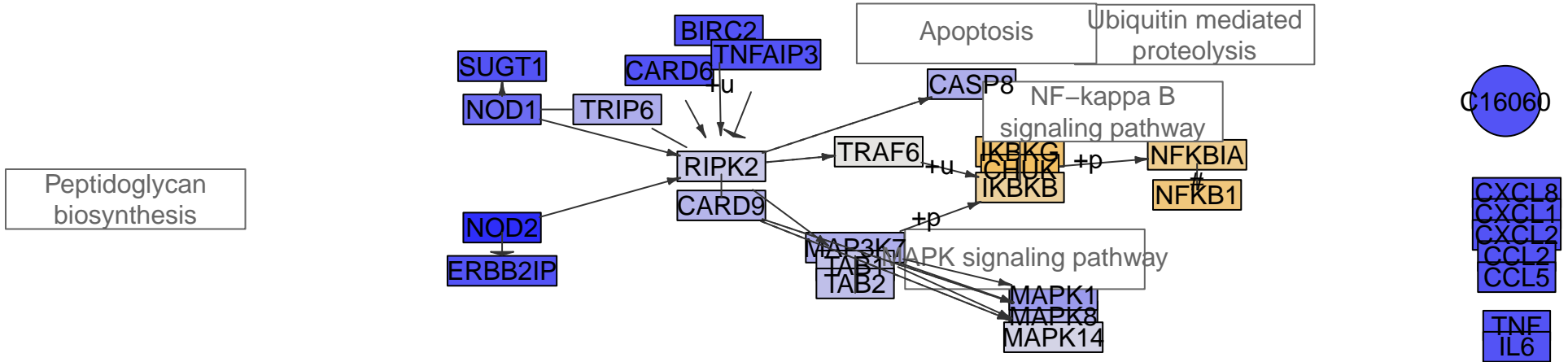
NLRP4
NAIP
CASP1

Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-248



K08645...

K11031
K10948

NLRP3 CARD CASP1
CASP5

PYDC1 MEFV STPIP1

NLRP3 CARD CASP1
CARD6 CASP1

SUGT1 SP90AA1

IL1B
IL18

CARD18
NLRP4 CARD CASP1

NLRP4 NAIP CASP1

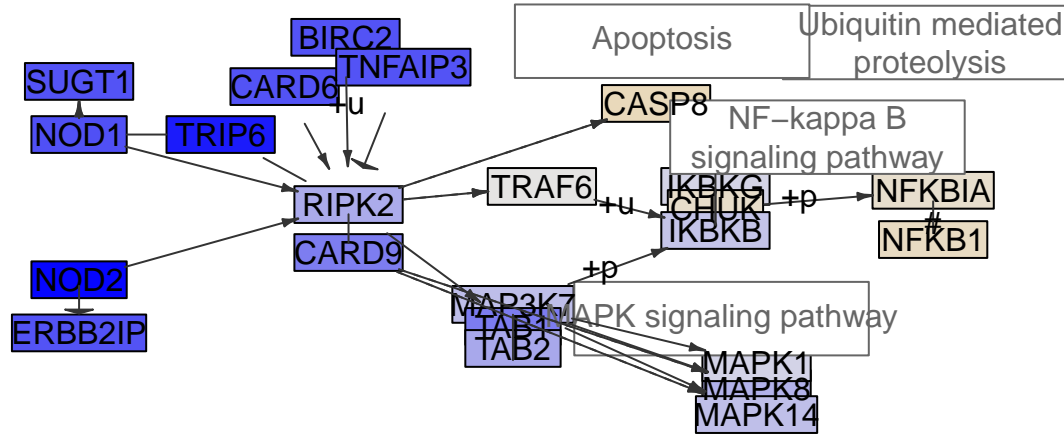
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-249

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

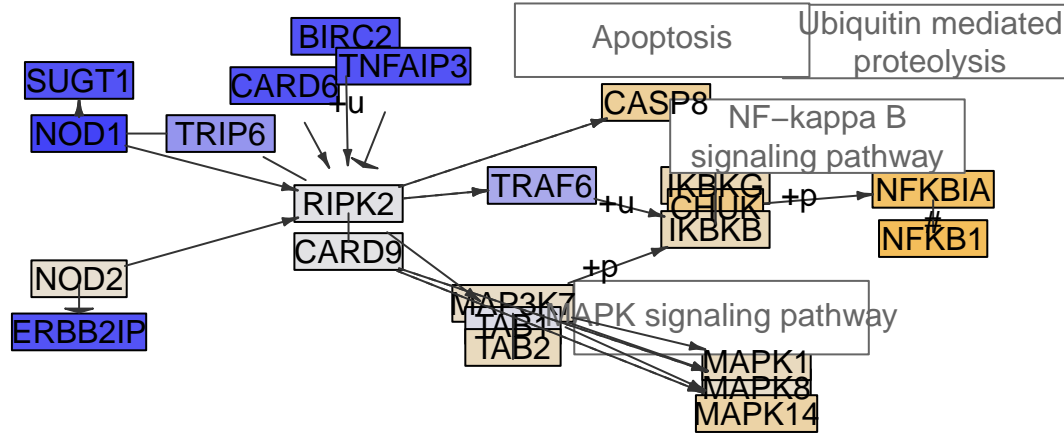
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-250

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1
CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1
CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

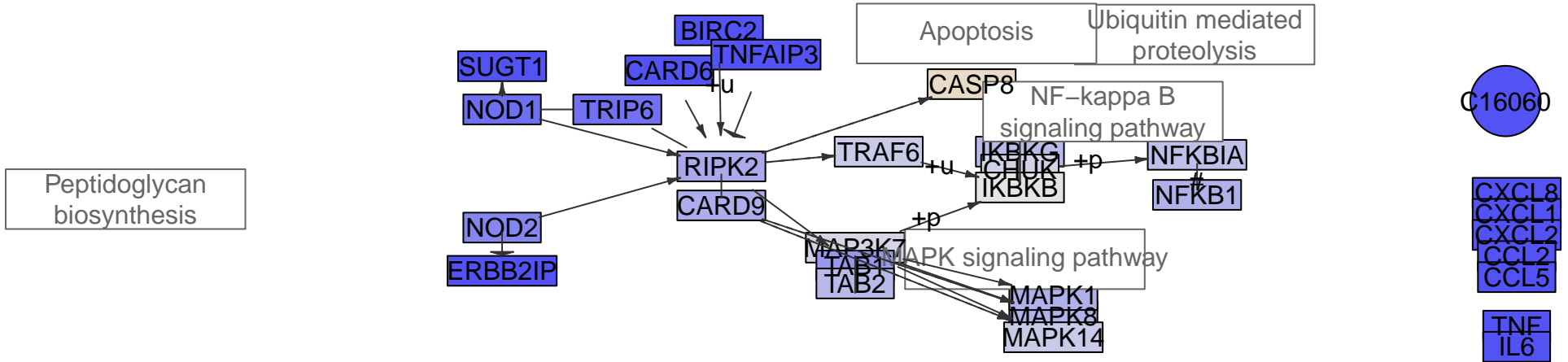
Flagellar assembly

Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-008



K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
P90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

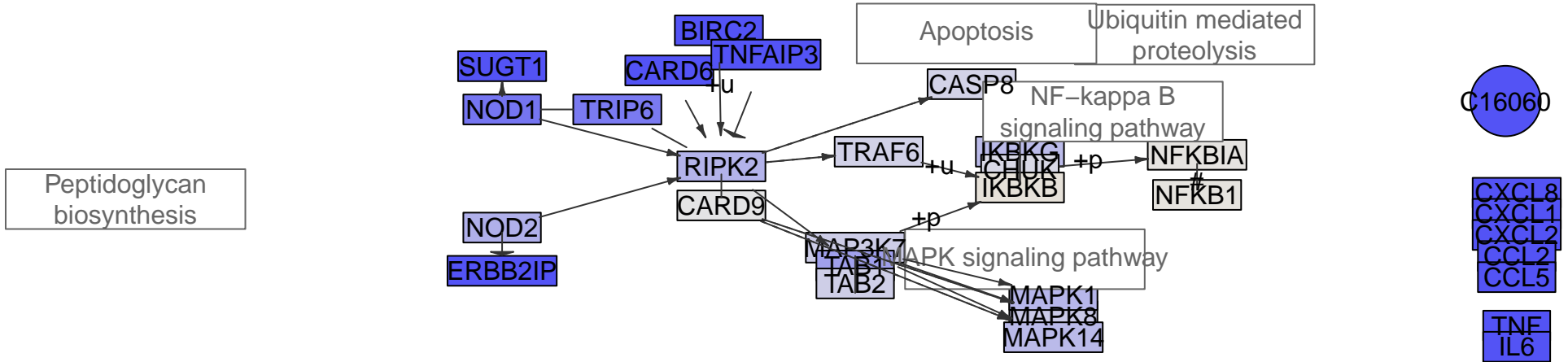
NLRP4
NAIP
CASP1

Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-009



K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
P90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

NLRP4
NAIP
CASP1

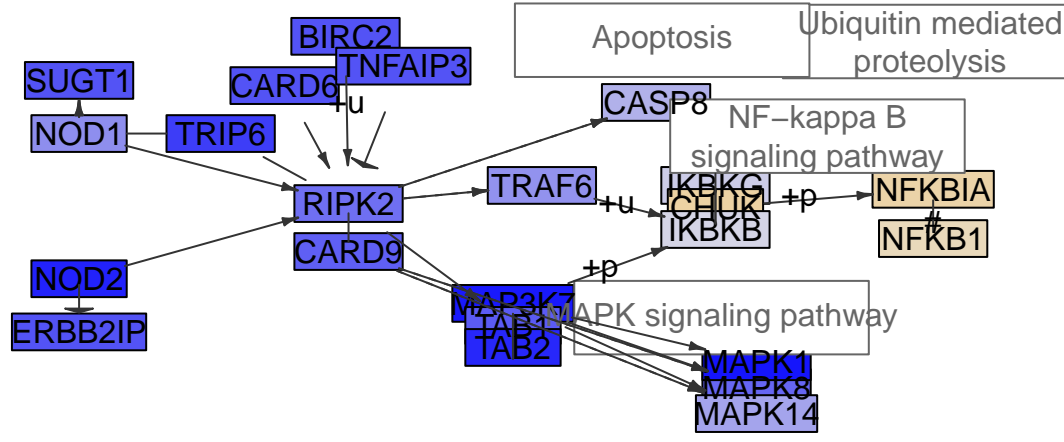
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-010

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

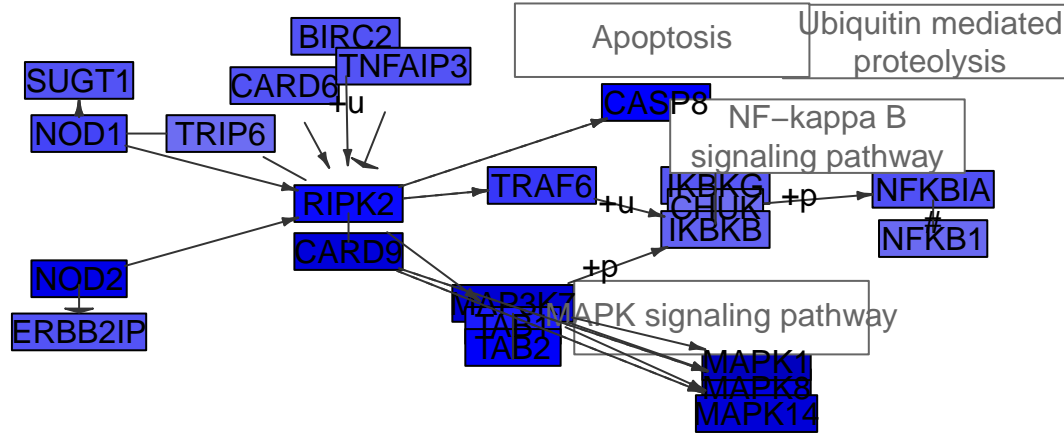
NLRP4, NAIP, CASP1

Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-012

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
PSP90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

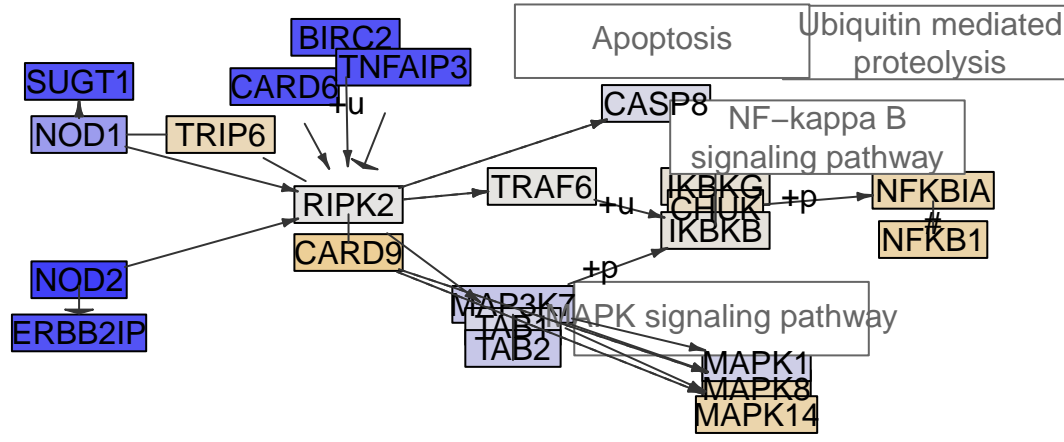
NLRP4
NAIP
CASP1

Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-013

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

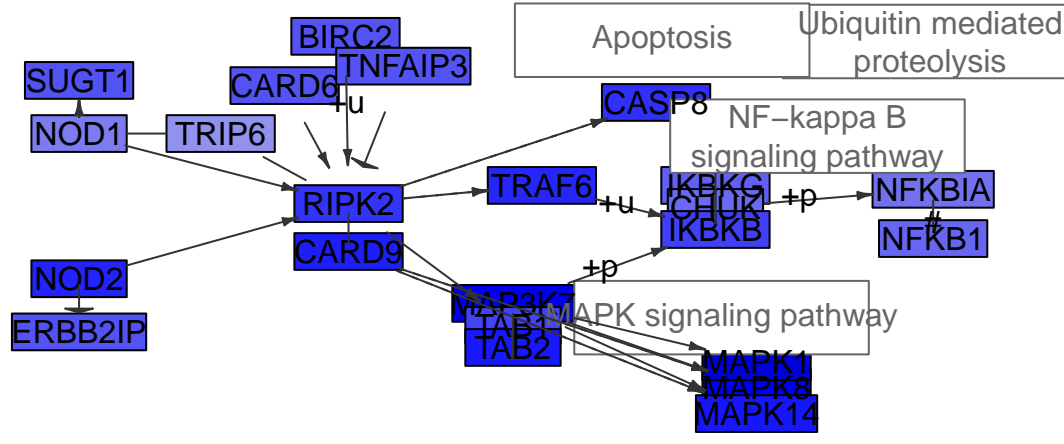
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-014

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

Flagellar assembly

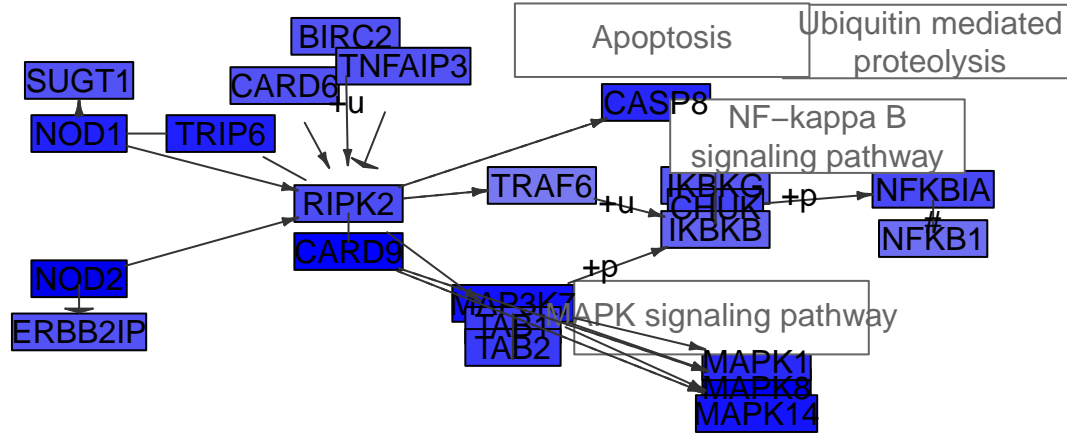
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-015

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly
Bacterial secretion system

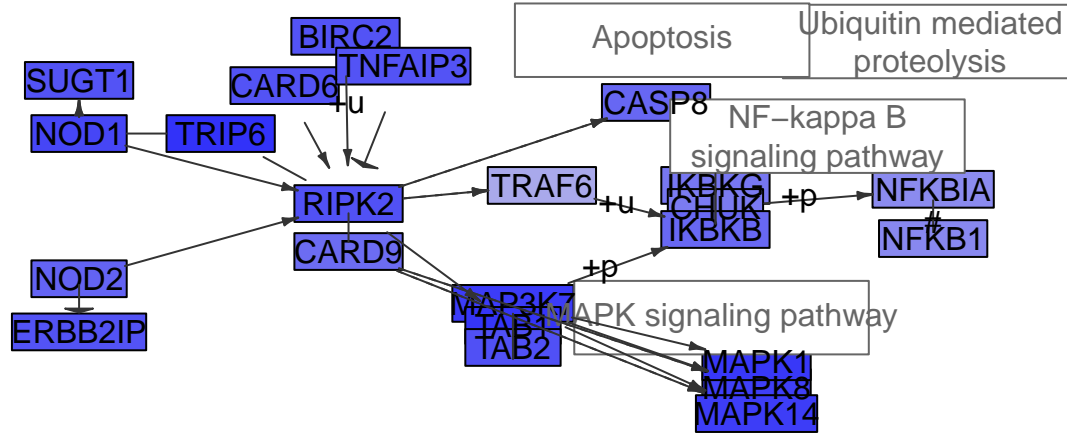
CARD18
NLRP3
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-021

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

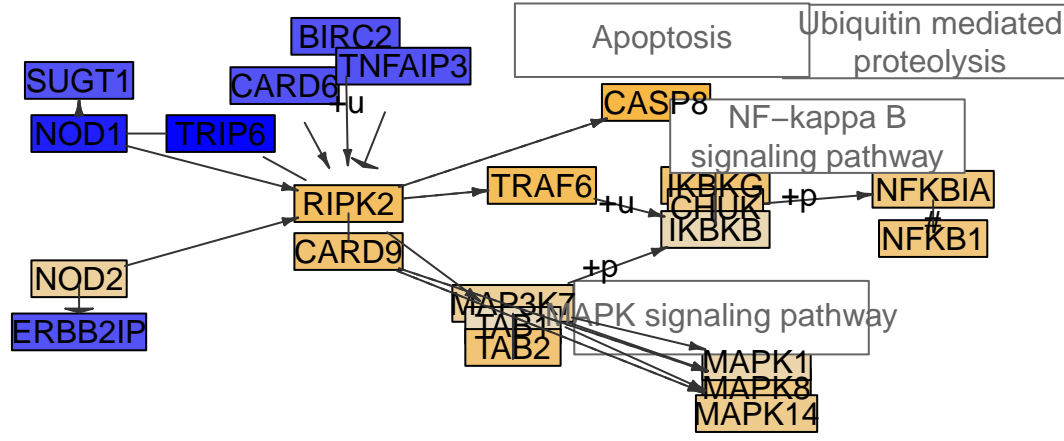
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-022

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

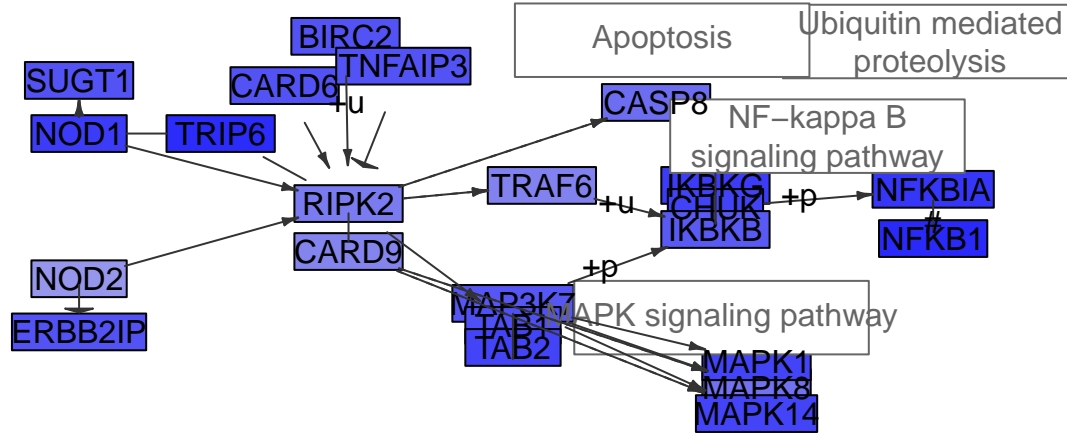
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-025

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEF2, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

Flagellar assembly

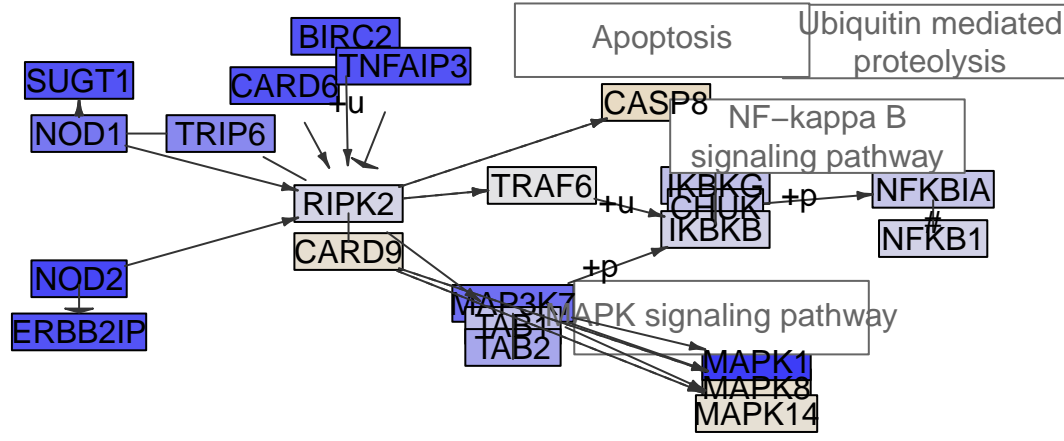
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-029

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

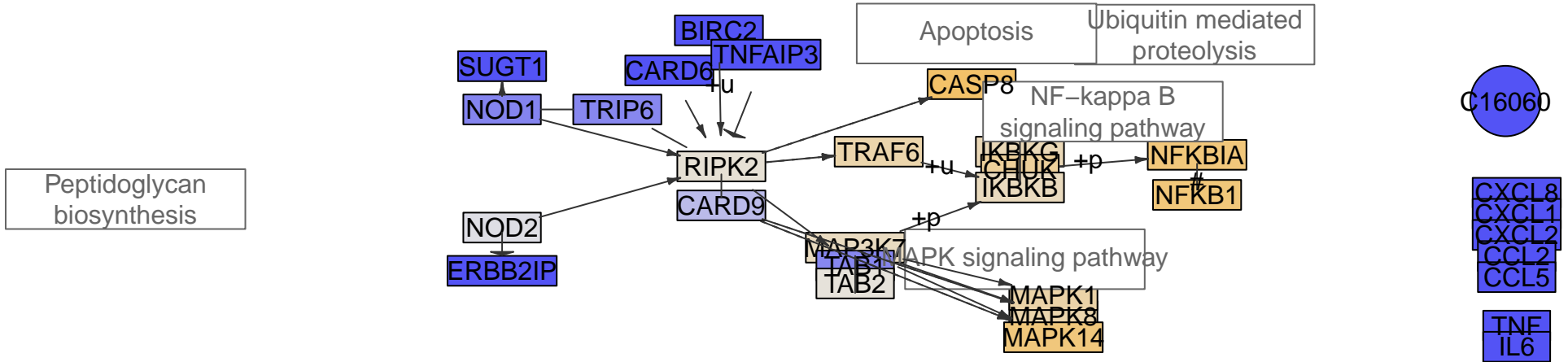
Flagellar assembly

Bacterial secretion system

NLRP4
NAIP
CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-030



K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
PSP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

NLRP4
NAIP
CASP1

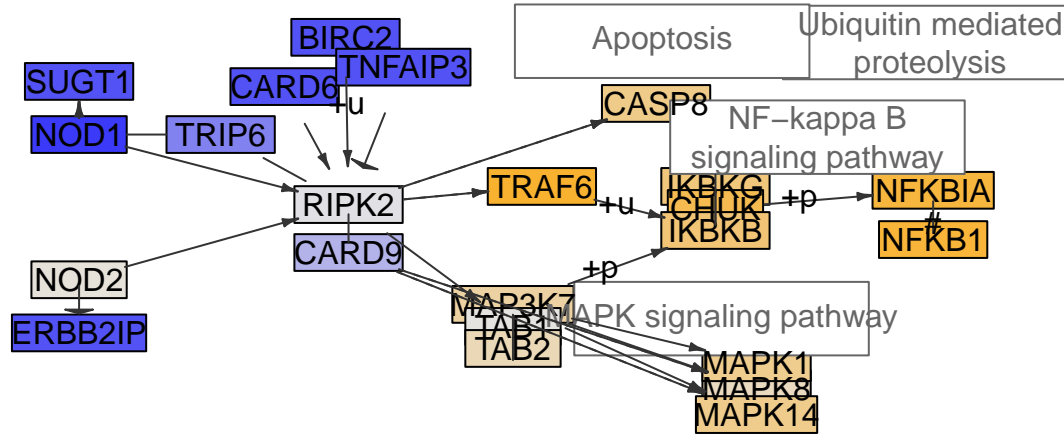
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-031

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP3, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP3, PYCARD, CASP1

NLRP4, NAIP, CASP1

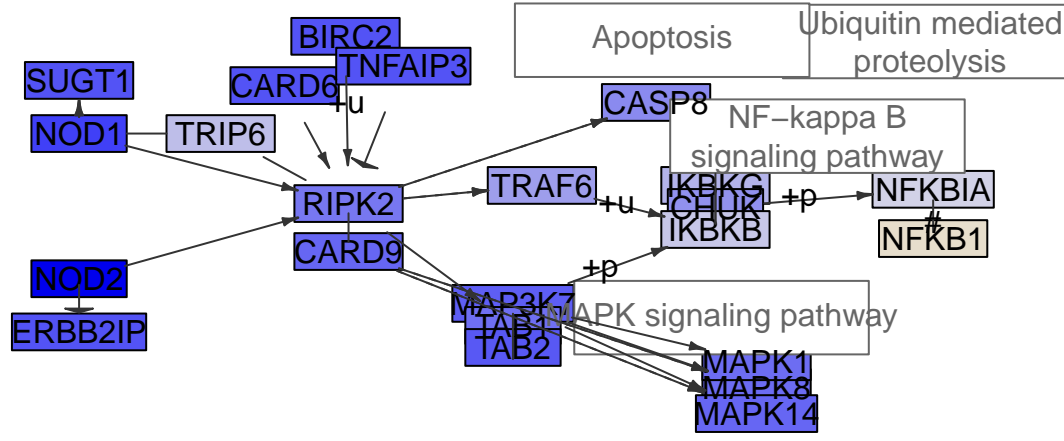
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-039

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

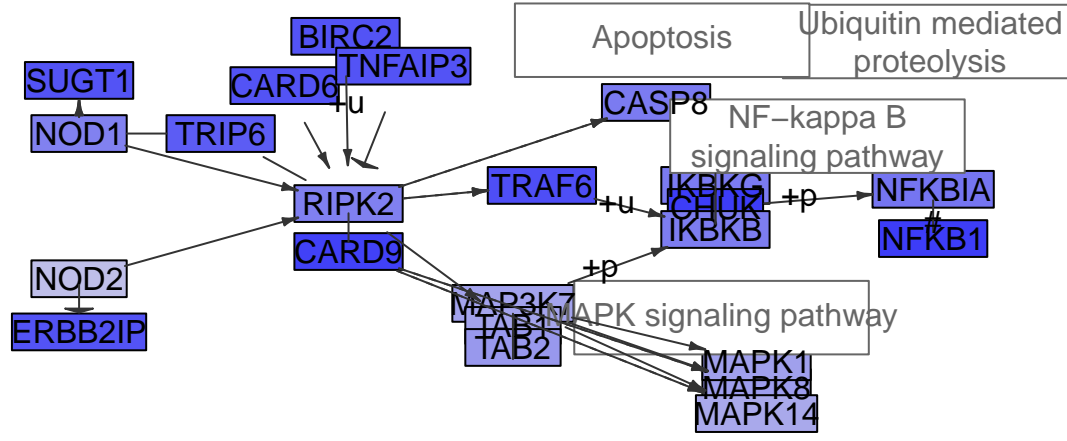
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-040

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

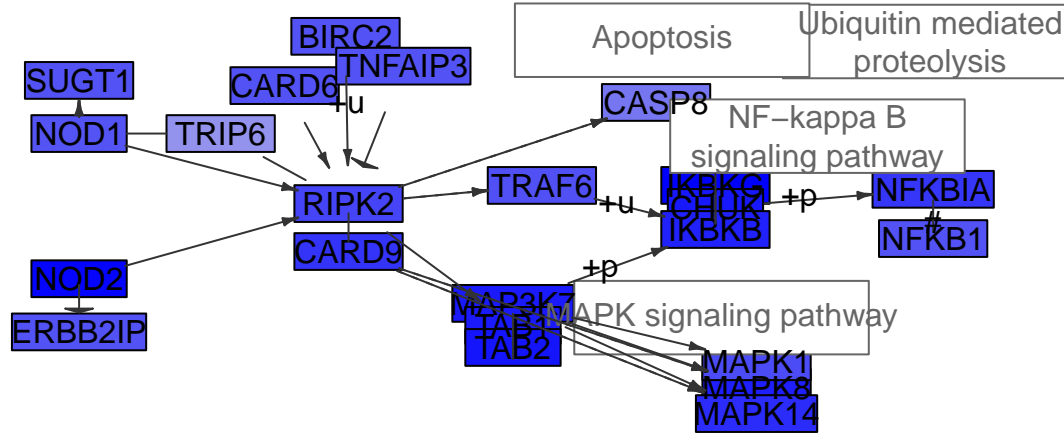
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-045

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

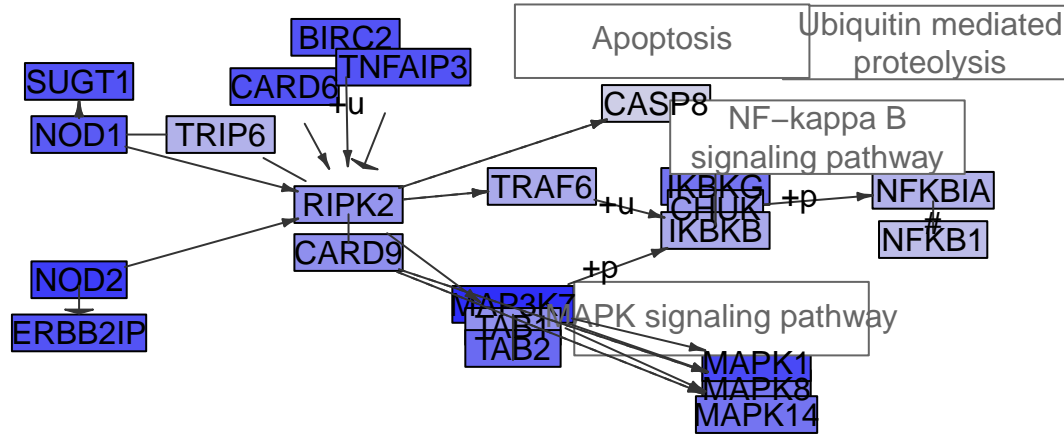
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-047

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

Flagellar assembly

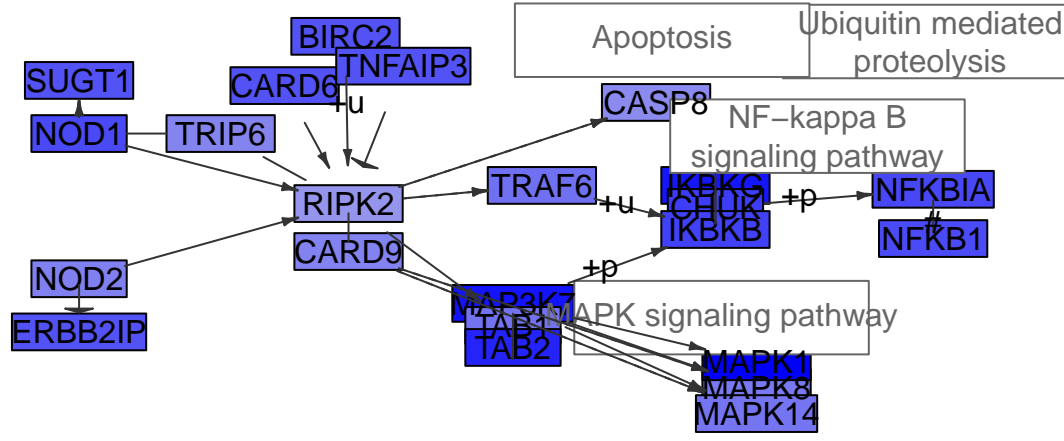
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-053

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEF2, STPIP1, NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

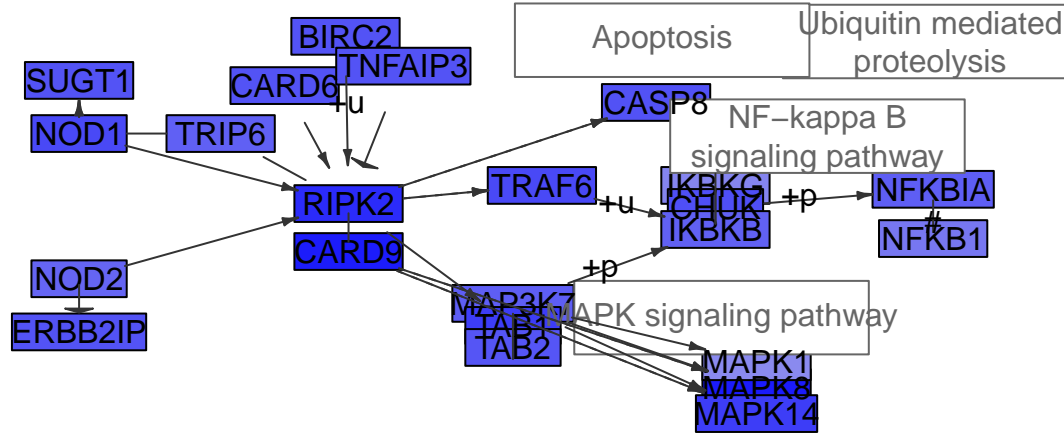
CARD18, NLRP4, PYCARD, CASP1

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-062

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

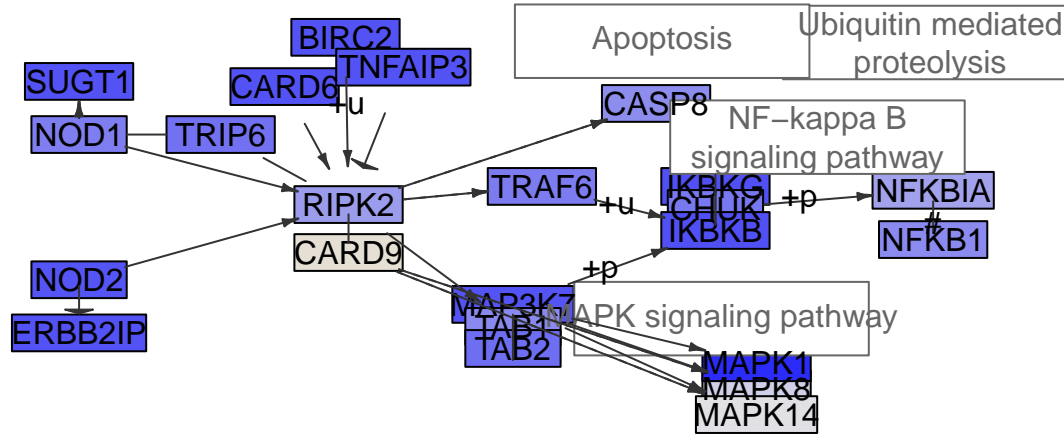
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-063

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

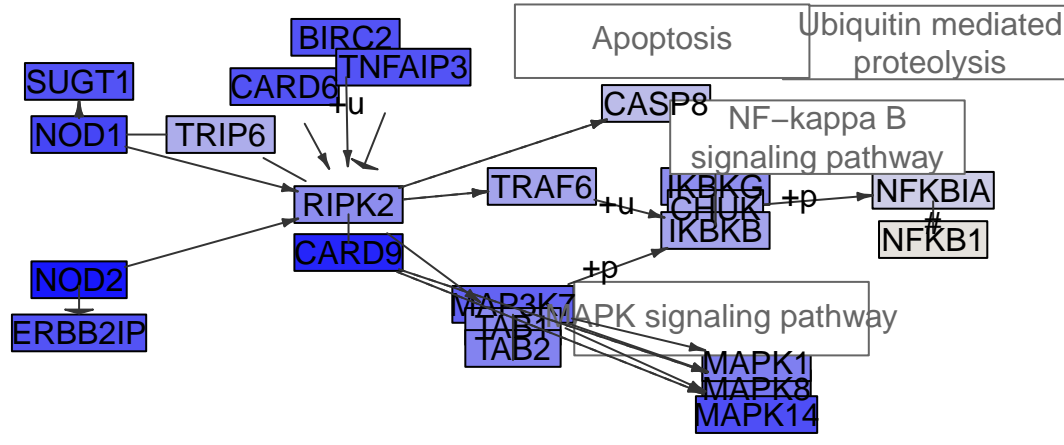
CARD18, NLRP4, PYCARD, CASP1

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-069

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

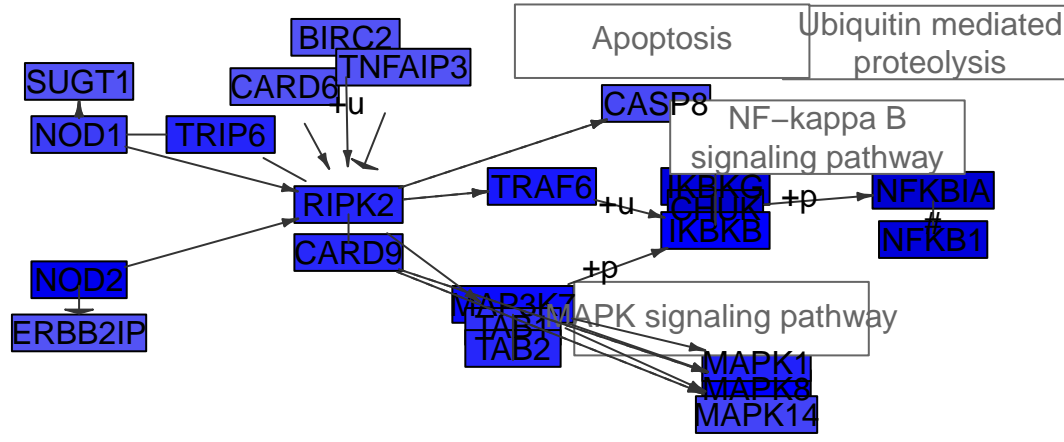
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-073

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5
TNF
IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEF1
STPIP1

NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
P90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

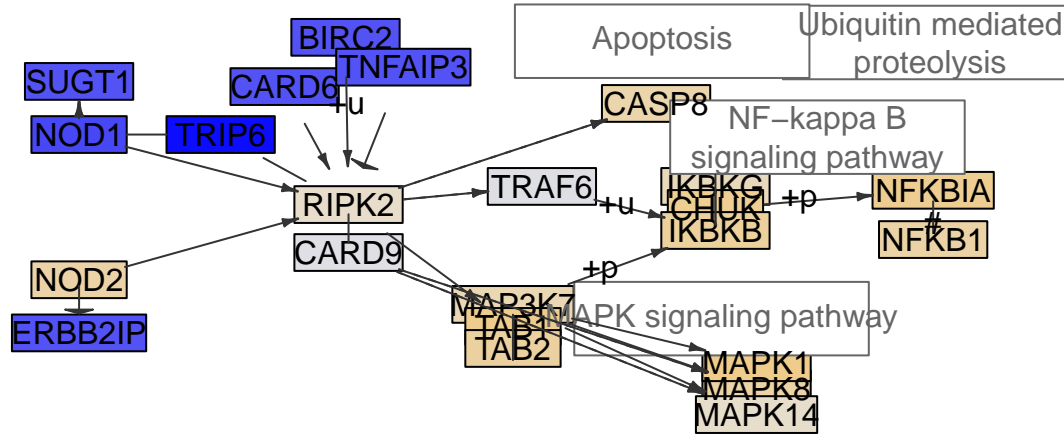
NLRP4
NAIP
CASP1

Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-074

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

NLRP4, NAIP, CASP1

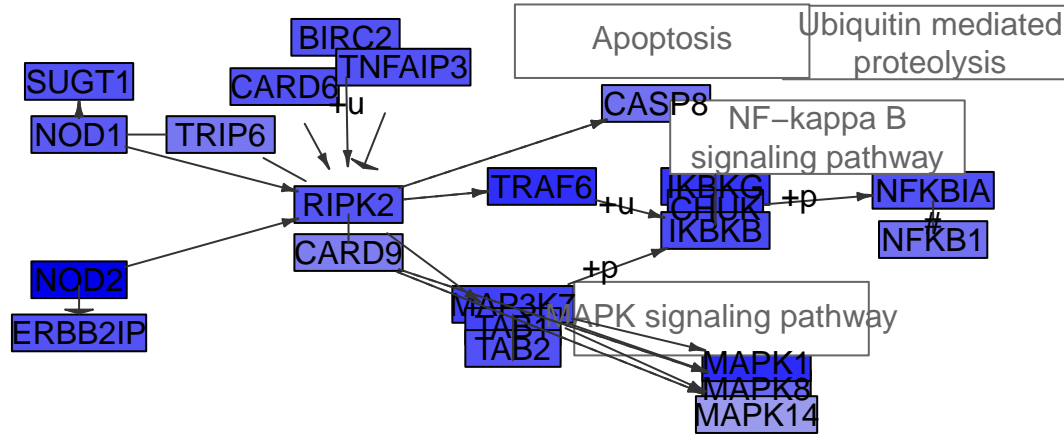
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-076

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

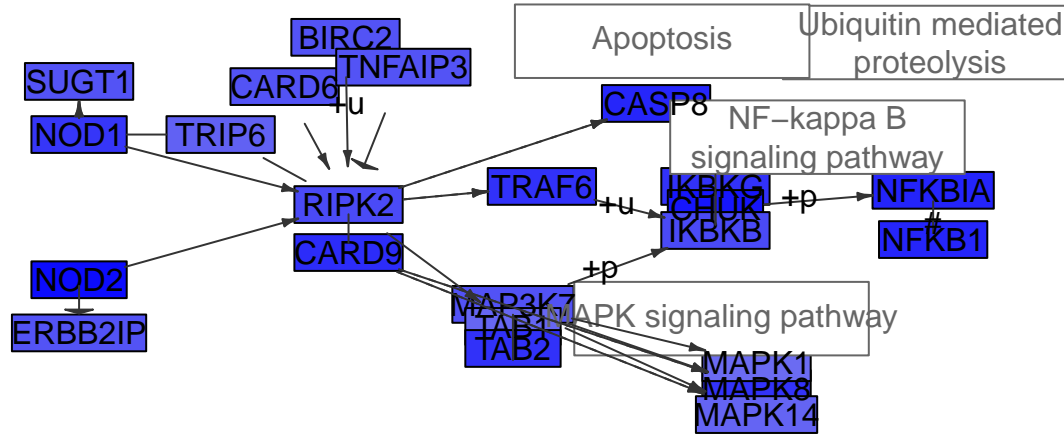
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-083

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

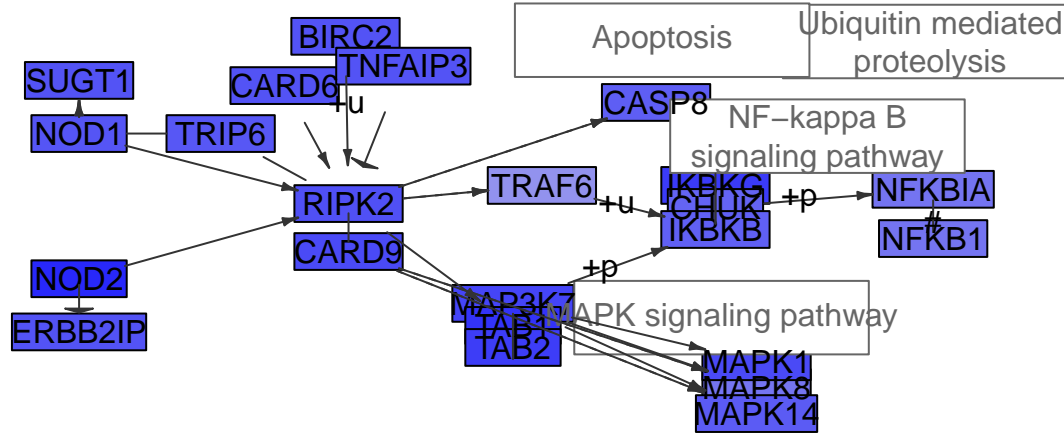
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-088

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
P90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

Flagellar assembly

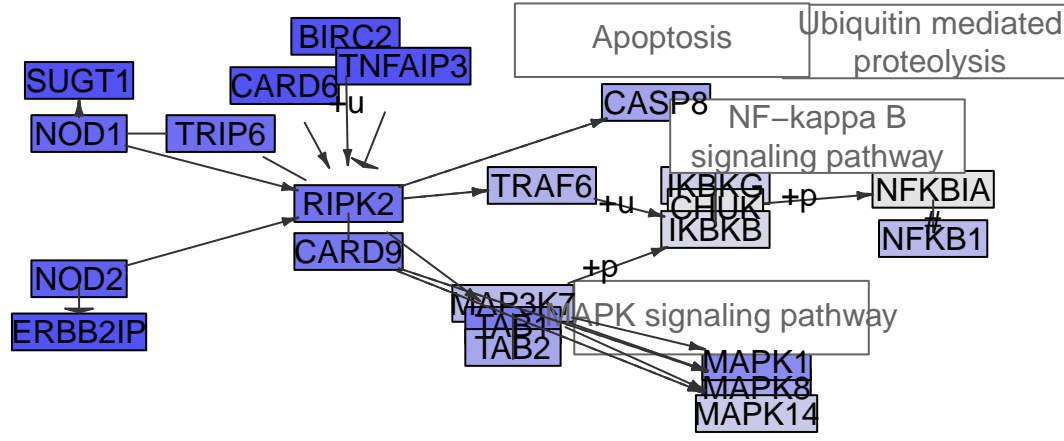
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-092

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

NLRP4, NAIP, CASP1

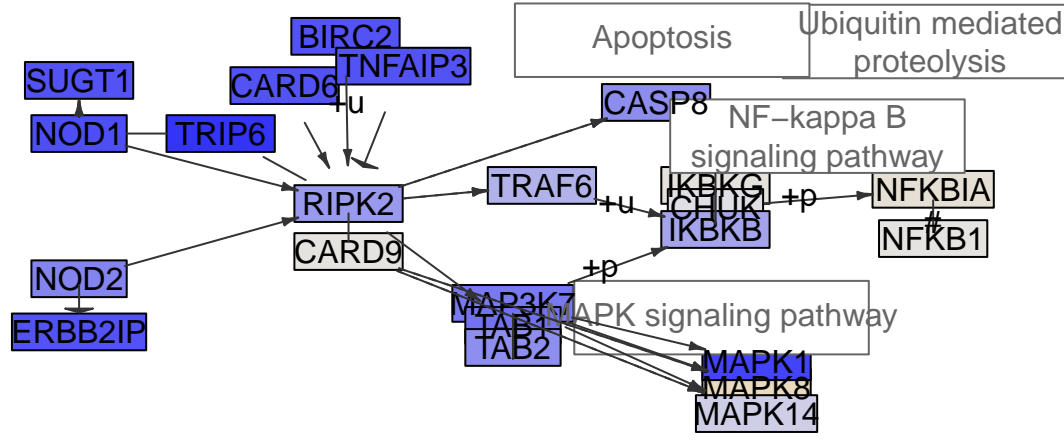
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-096

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

Flagellar assembly

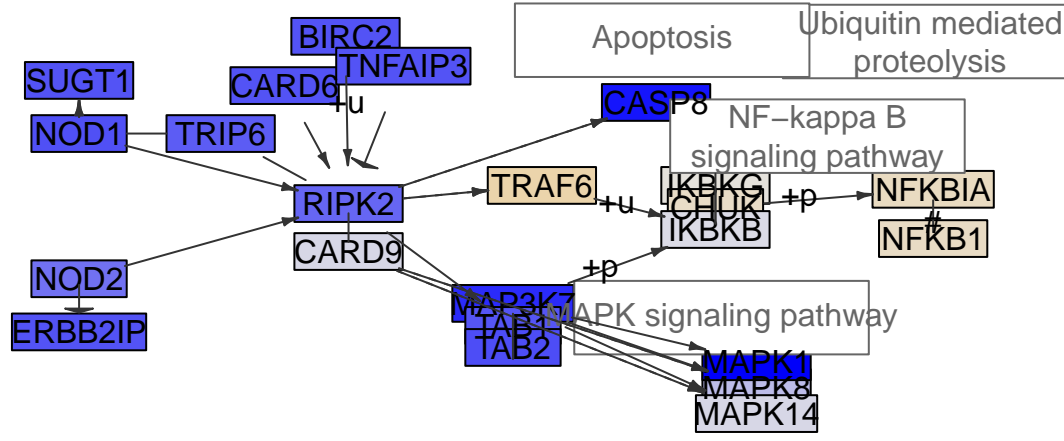
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-098

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1
CASP5

K11031
K10948

PYDC1, MEFV, STPIP1
NLRP3, PYCARD, CASP1
CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

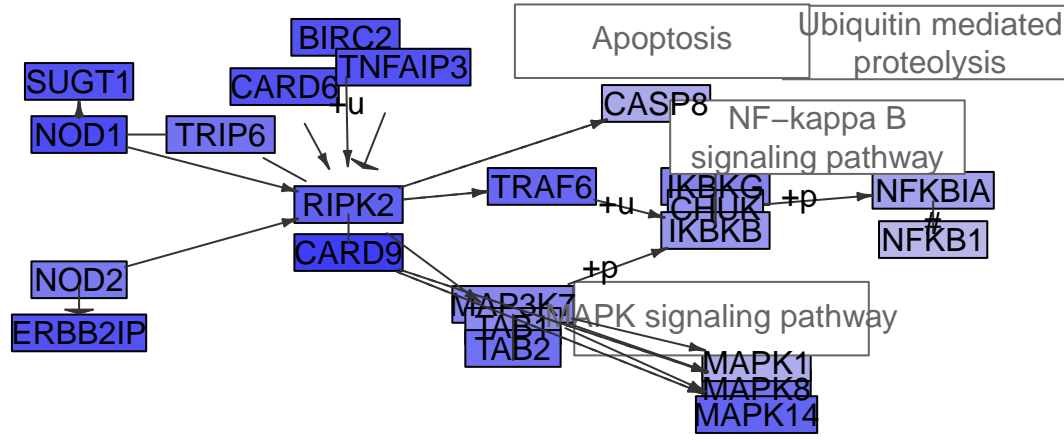
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-100

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

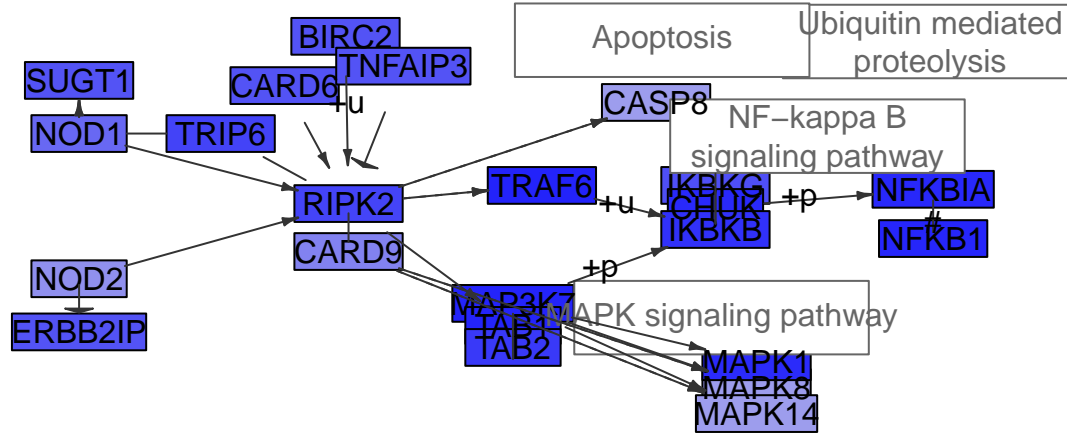
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-105

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1
CASP5

PYDC1, MEFV, STPIP1
NLRP3, PYCARD, CASP1
CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18
NLRP4, PYCARD, CASP1

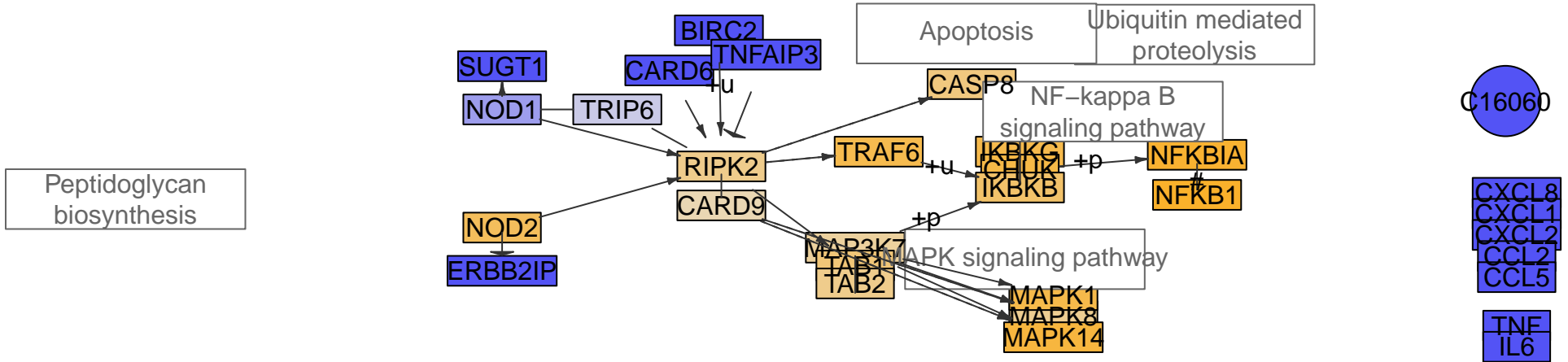
NLRP4, NAIP, CASP1

Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-106



K08645...

K11031
K10948

NLRP1 PYCARD CASP1
CASP5

PYDC1 MEFV STPIP1

NLRP3 PYCARD CASP1
CARD3 CASP1

SUGT1 IL1S P90AA1

IL1B
IL18

CARD18
NLRP4 PYCARD CASP1

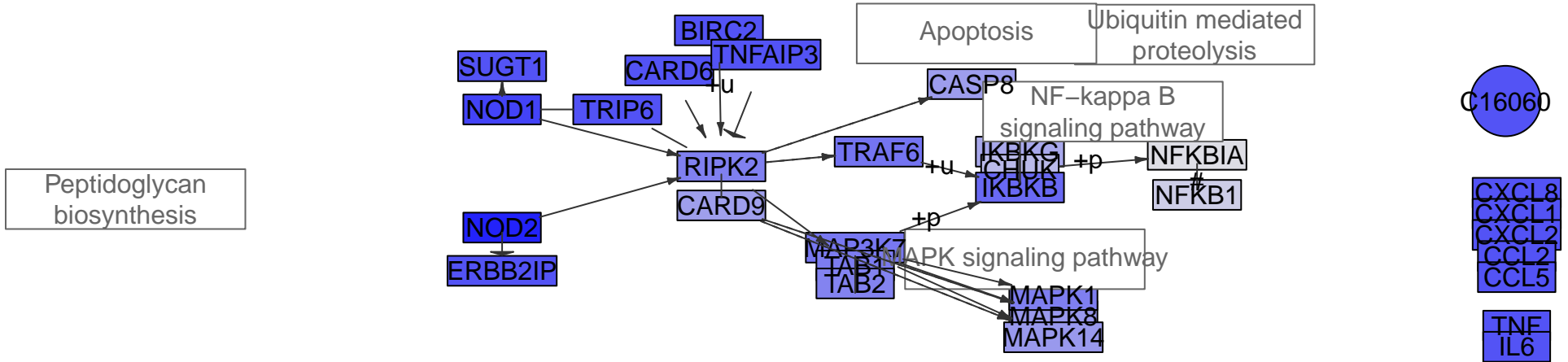
NLRP4 NAIP CASP1

Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-108



K08645...

K11031
K10948

NLRP3
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
P90AA1

IL1B
IL18

CARD18

NLRP3
PYCARD
CASP1

NLRP4
NAIP
CASP1

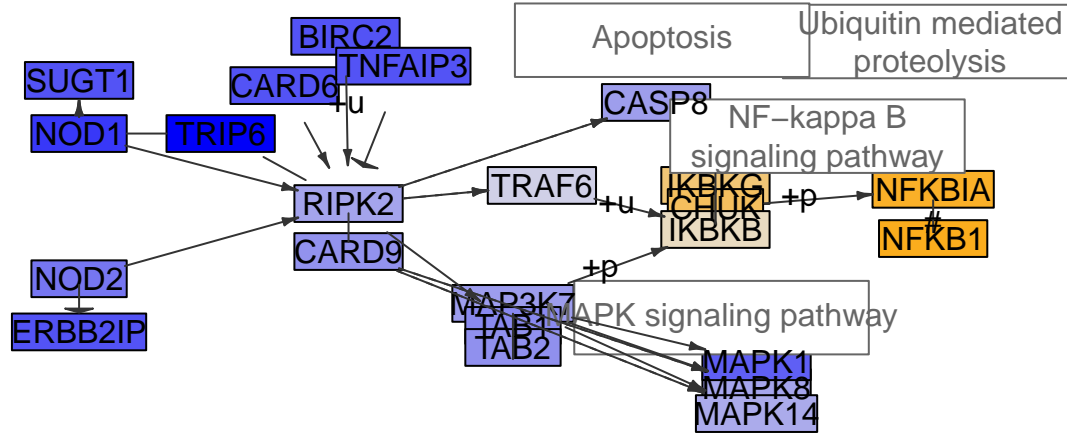
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-109

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1
CASP5

K11031
K10948

PYDC1, MEFV, STPIP1
NLRP3, PYCARD, CASP1
CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

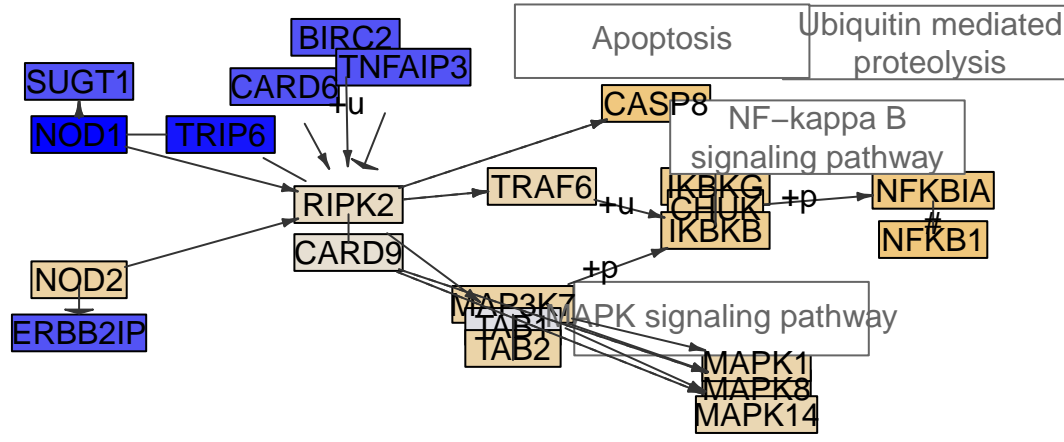
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-110

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

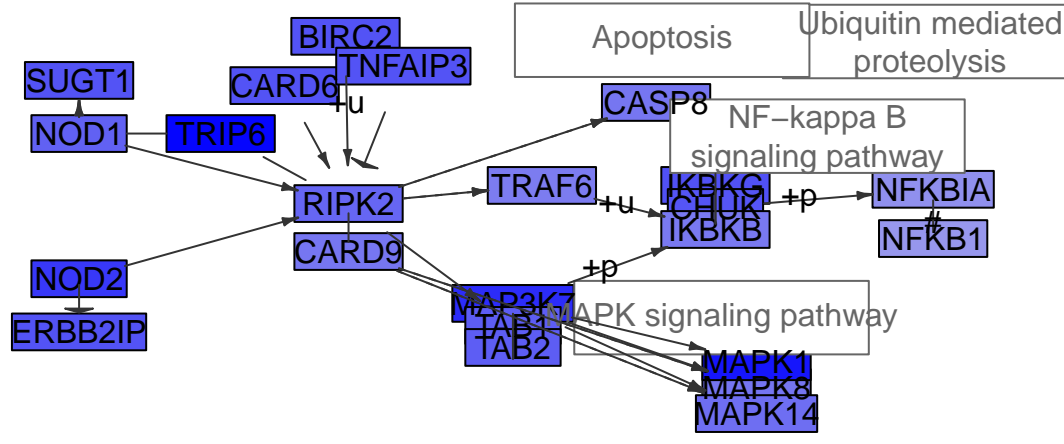
Bacterial secretion system

NLRP4
NAIP
CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-111

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEF2, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

NLRP4, NAIP, CASP1

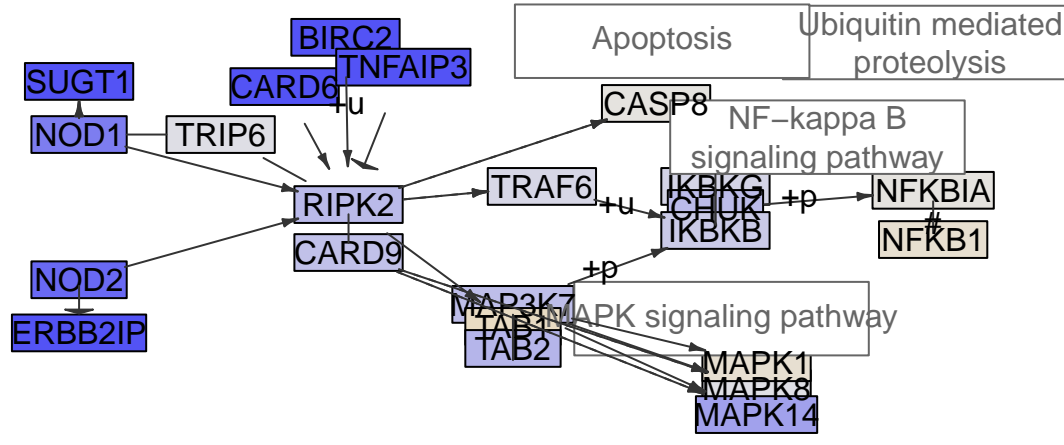
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-113

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP3
PYCARD
CASP1

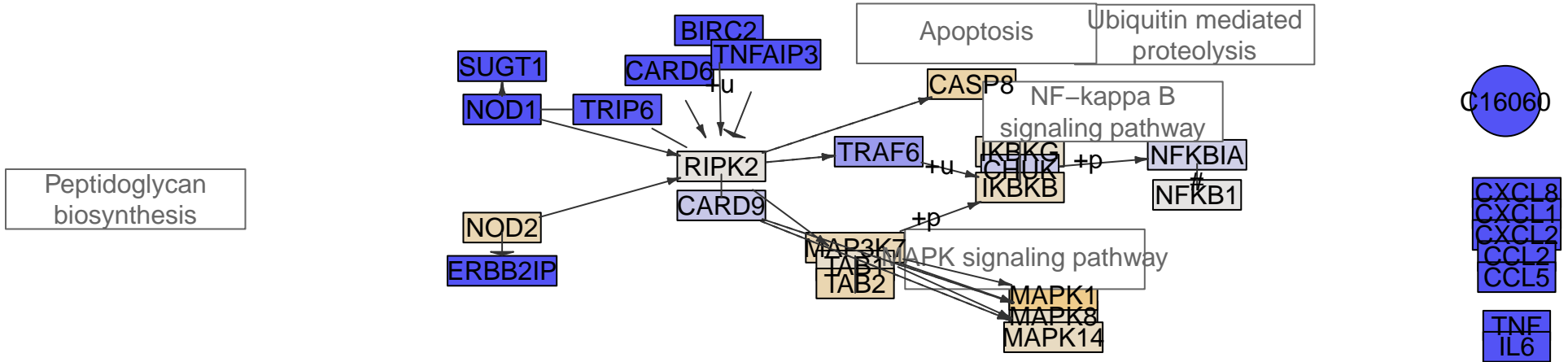
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-115

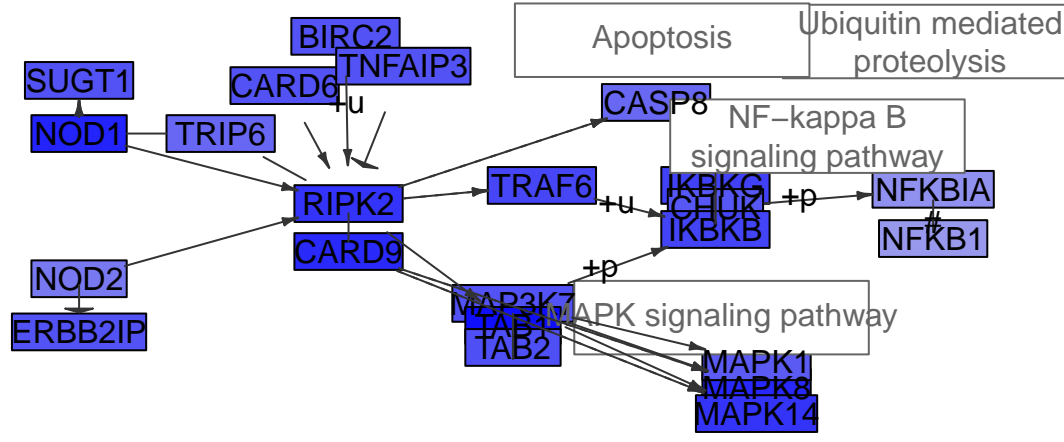


Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-118

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

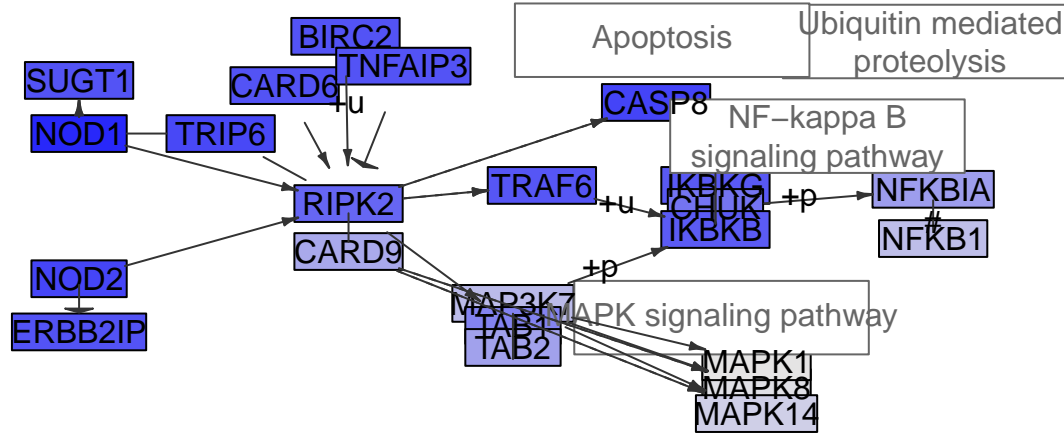
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-119

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

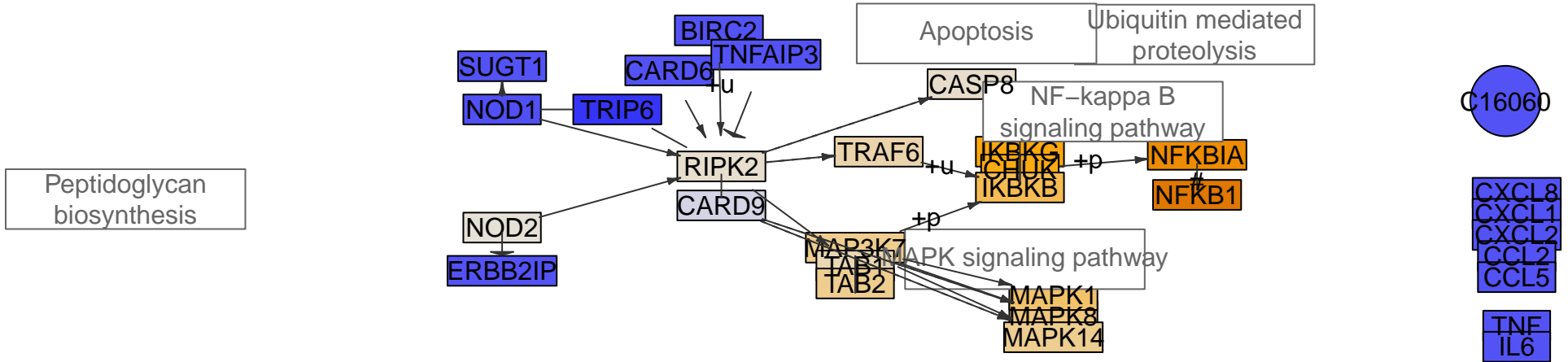
Flagellar assembly

Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-122



K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

NLRP4
NAIP
CASP1

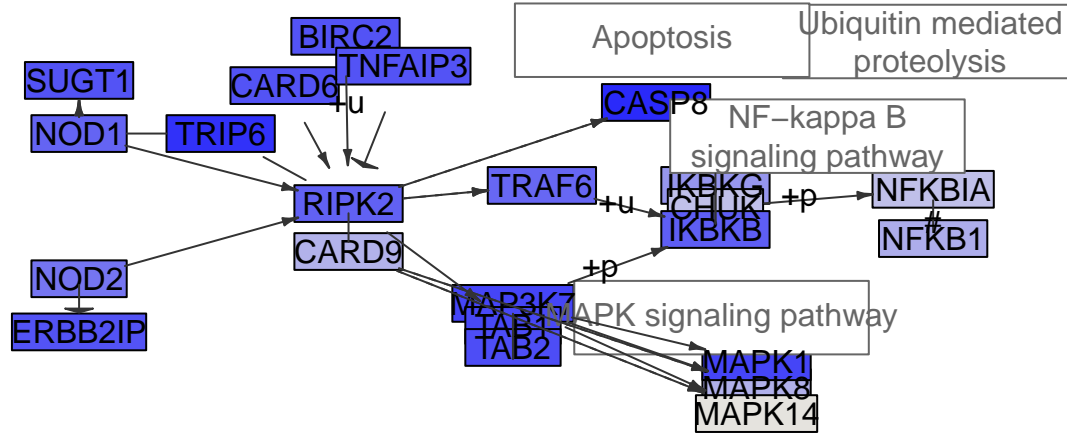
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-127

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

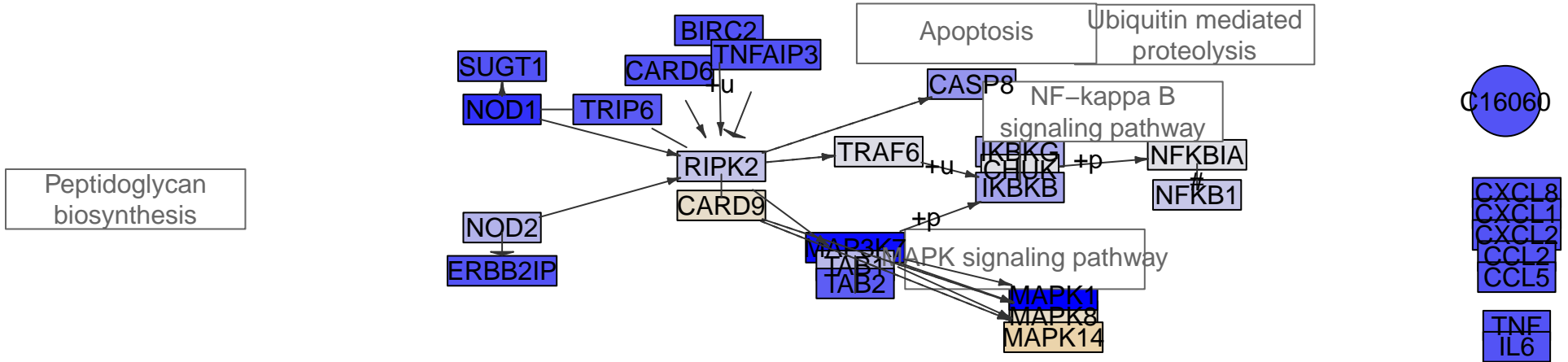
NLRP4, NAIP, CASP1

Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-128



K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

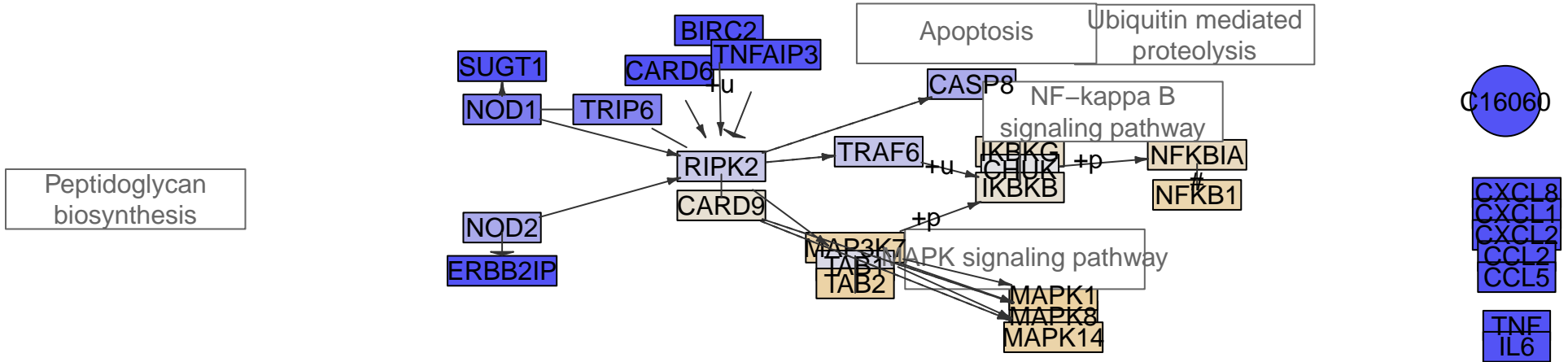
NLRP4
NAIP
CASP1

Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-129



C16060

- CXCL8
- CXCL1
- CXCL2
- CCL2
- CCL5
- TNF
- IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

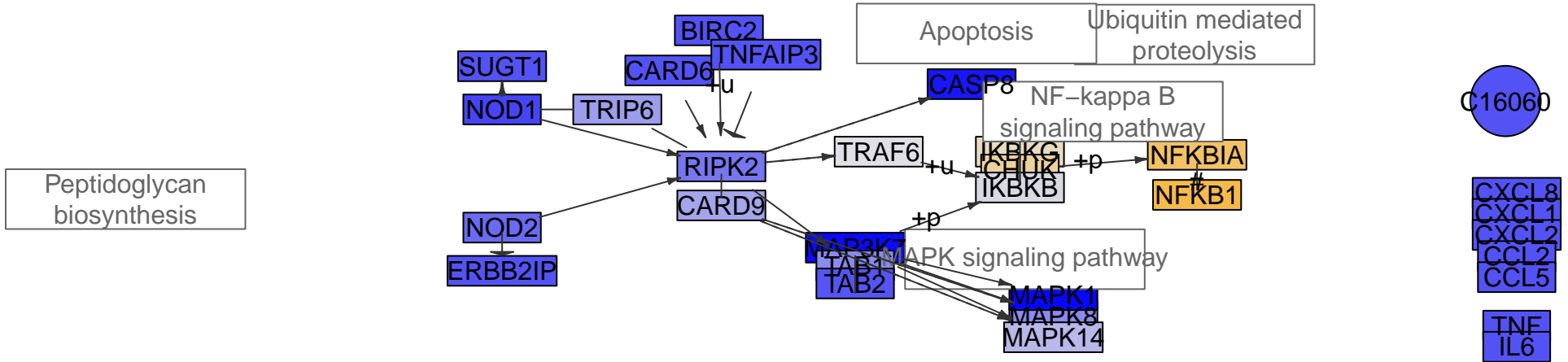
NLRP4, NAIP, CASP1

Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-130



K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
PSP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

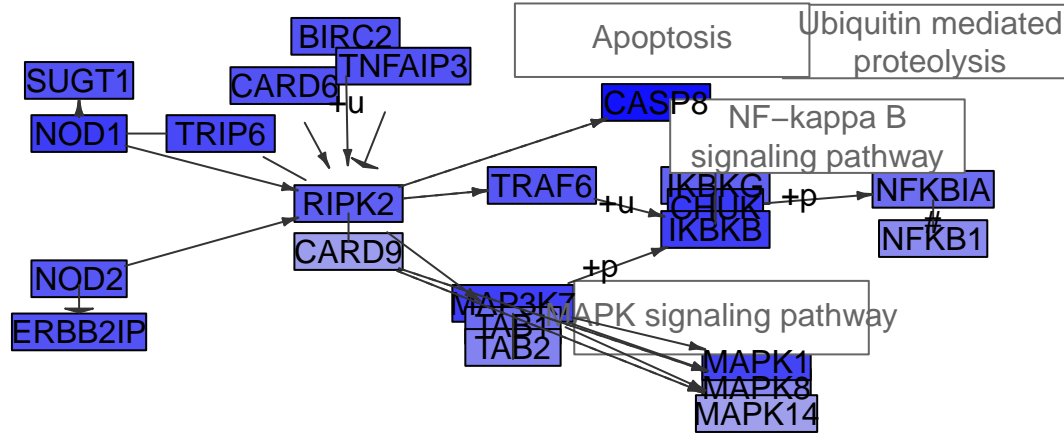
Bacterial secretion system

NLRP4
NAP
CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-132

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

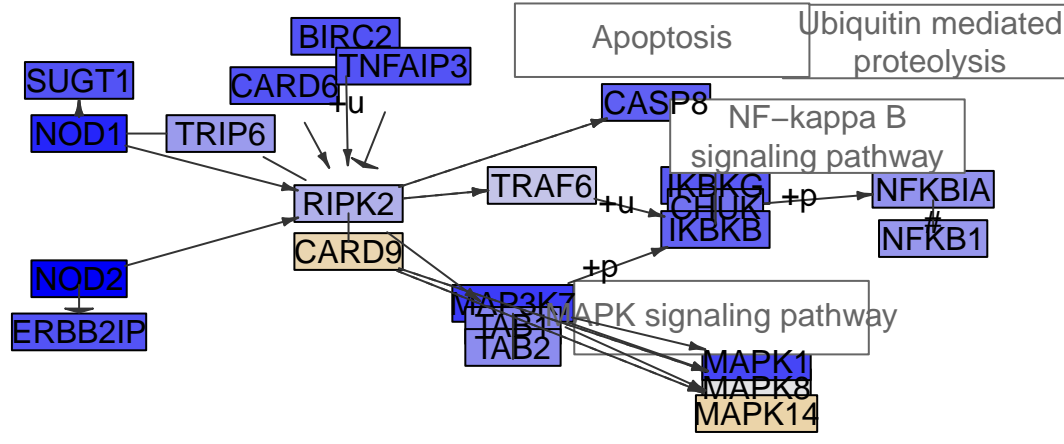
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NIP
CASP1

NOD-like receptor signaling pathway
MPI-133

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

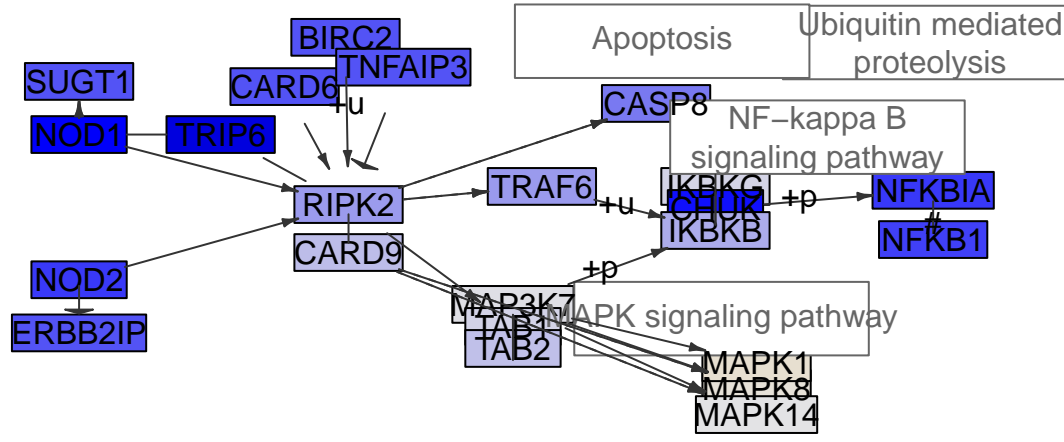
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-134

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEF2, STPIP1, NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

Flagellar assembly
Bacterial secretion system

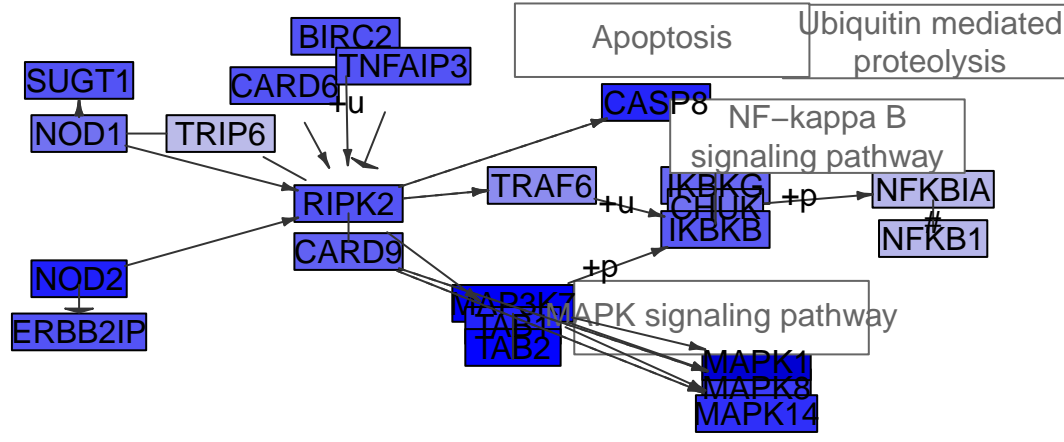
CARD18, NLRP4, PYCARD, CASP1

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-135

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1P
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

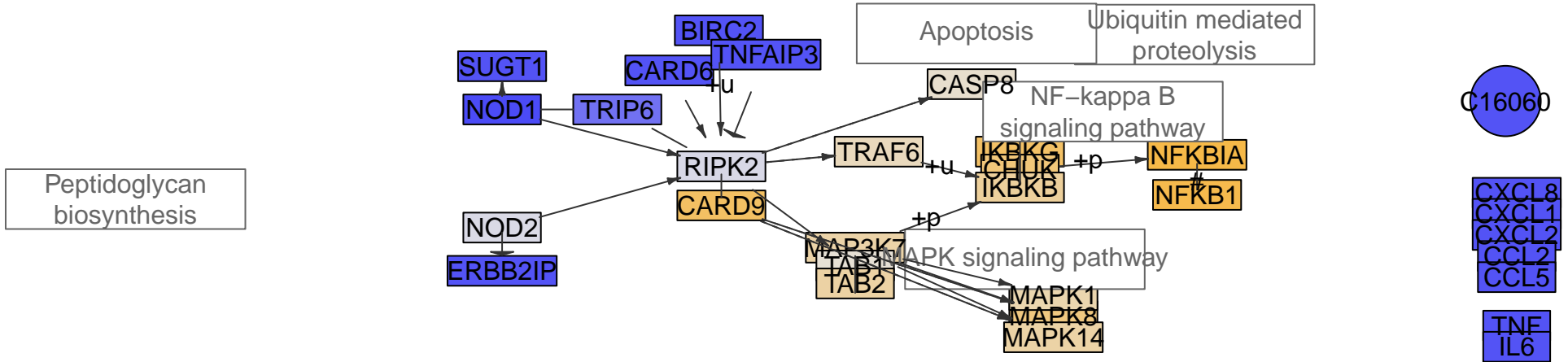
Bacterial secretion system

CARD18
NLRP3
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-136



Peptidoglycan biosynthesis

Apoptosis Ubiquitin mediated proteolysis

NF-kappa B signaling pathway

MAPK signaling pathway

C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

NLRP4, NAIP, CASP1

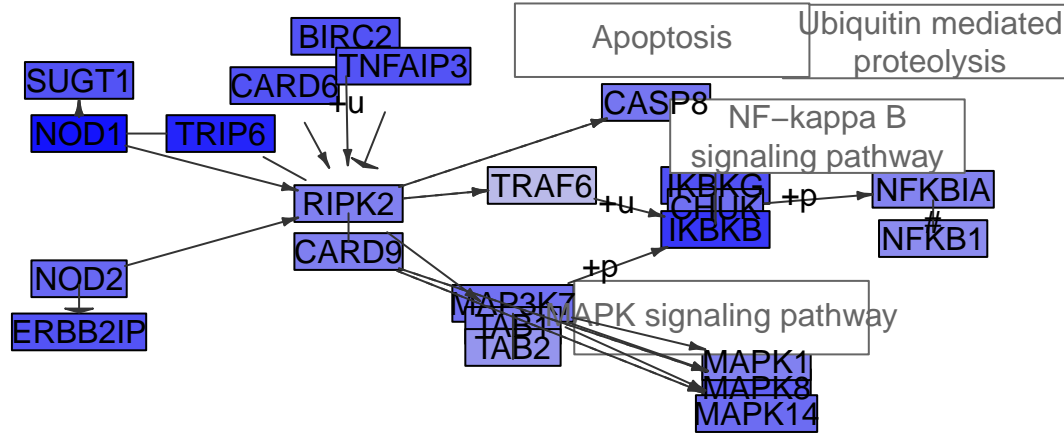
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-141

Peptidoglycan biosynthesis



C16060

- CXCL8
- CXCL1
- CXCL2
- CCL2
- CCL5
- TNF
- IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

NLRP4, NAIP, CASP1

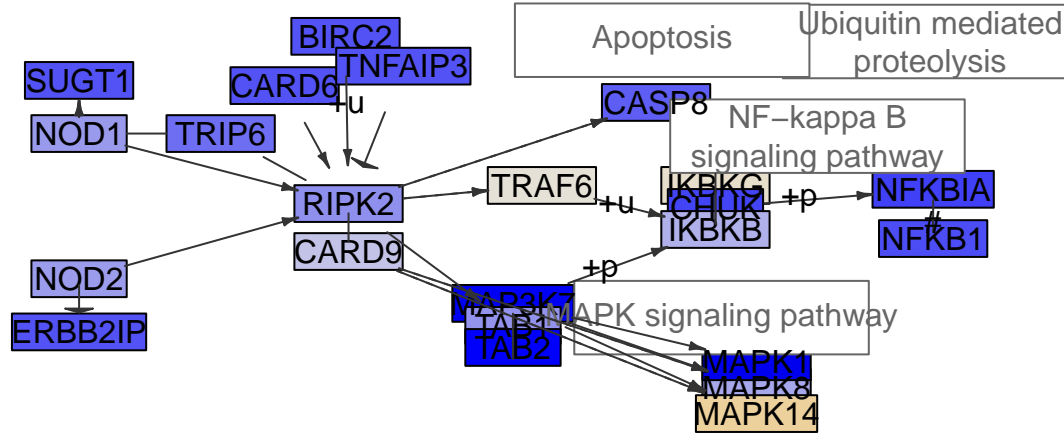
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-142

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

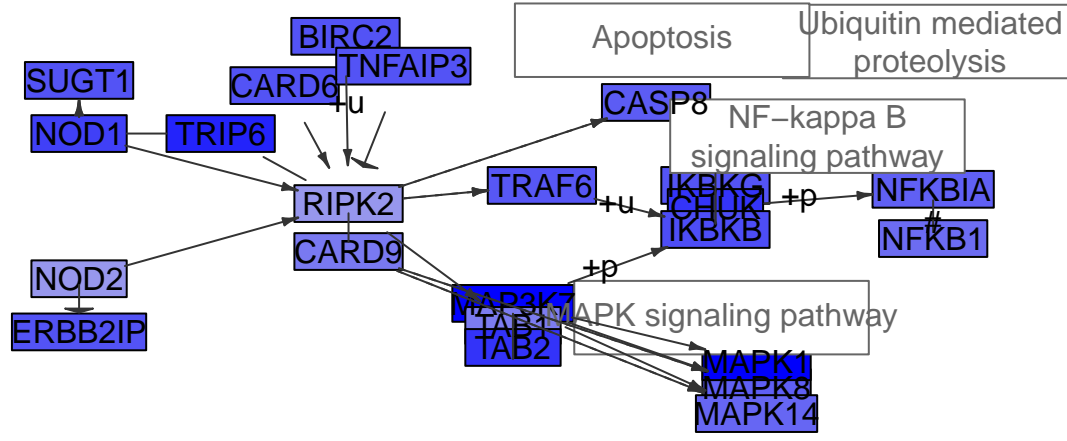
Bacterial secretion system

NLRP4
NAIP
CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-145

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

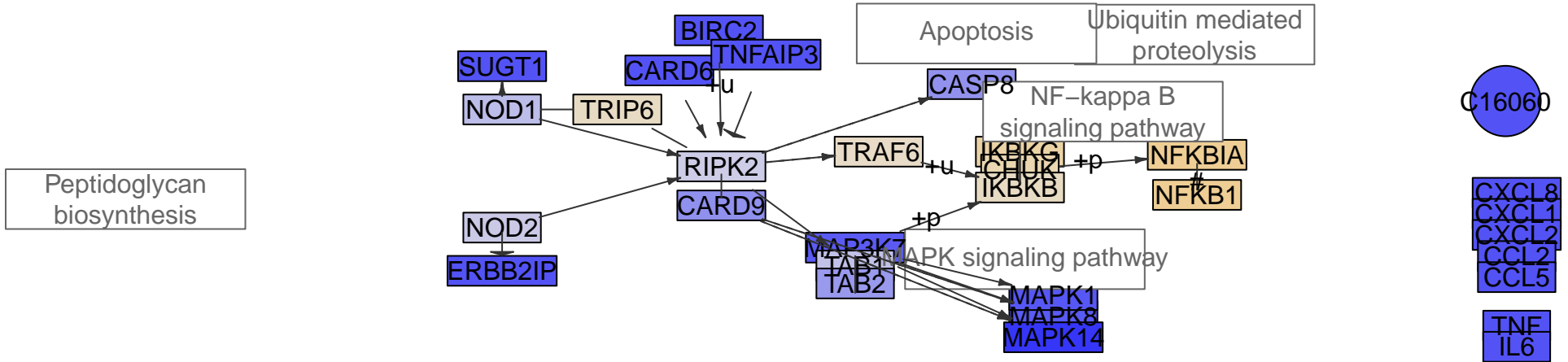
Flagellar assembly

Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-146



K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

NLRP4, NAIP, CASP1

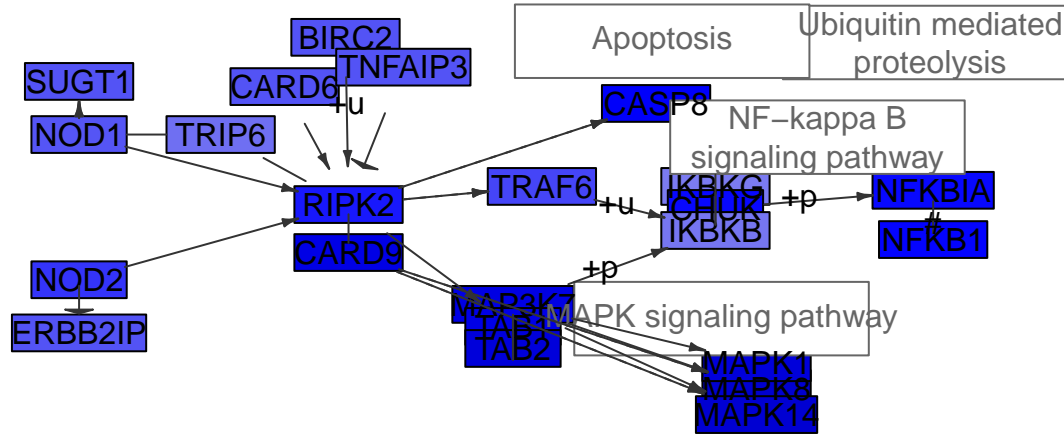
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-149

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3 CARD CASP1
CASP5

K11031
K10948

PYDC1 MEF2 STPIP1
NLRP3 CARD CASP1
CARD6 CASP1

SUGT1 SP90AA1

IL1B
IL18

CARD18
NLRP4 CARD CASP1

Flagellar assembly

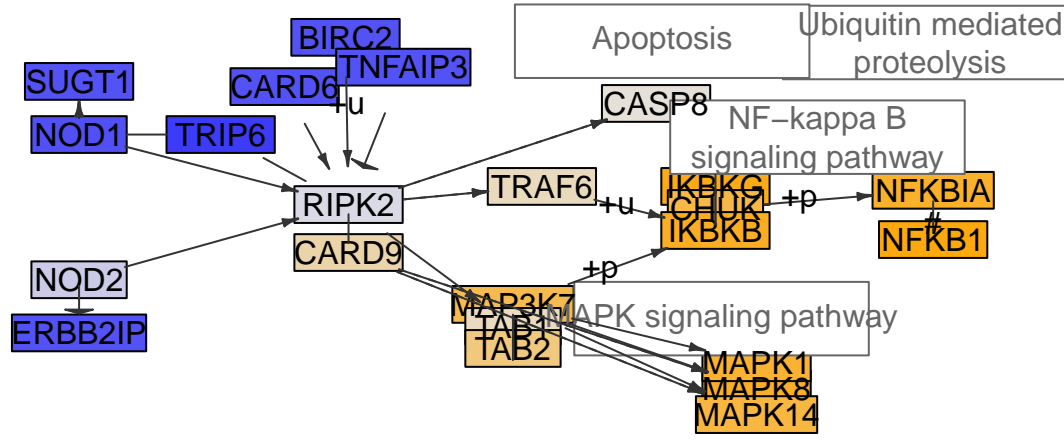
Bacterial secretion system

NLRP4 NAIP CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-150

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

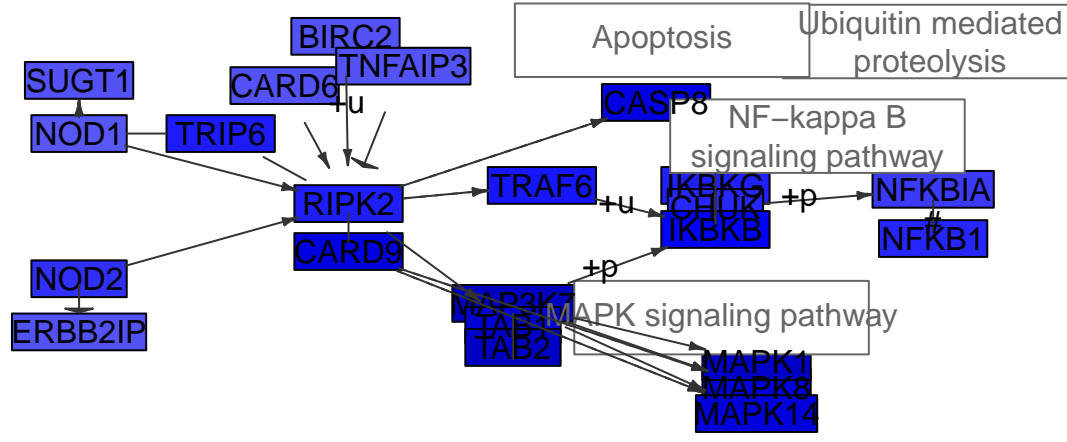
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-151

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1
CASP5

K11031
K10948

PYDC1, MEFV, STPIP1
NLRP3, PYCARD, CASP1
CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

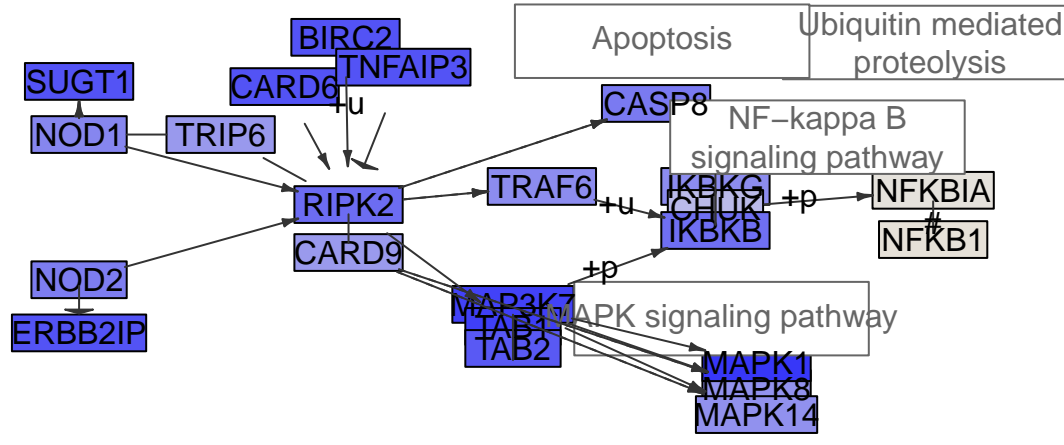
CARD18
NLRP4, PYCARD, CASP1

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-152

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

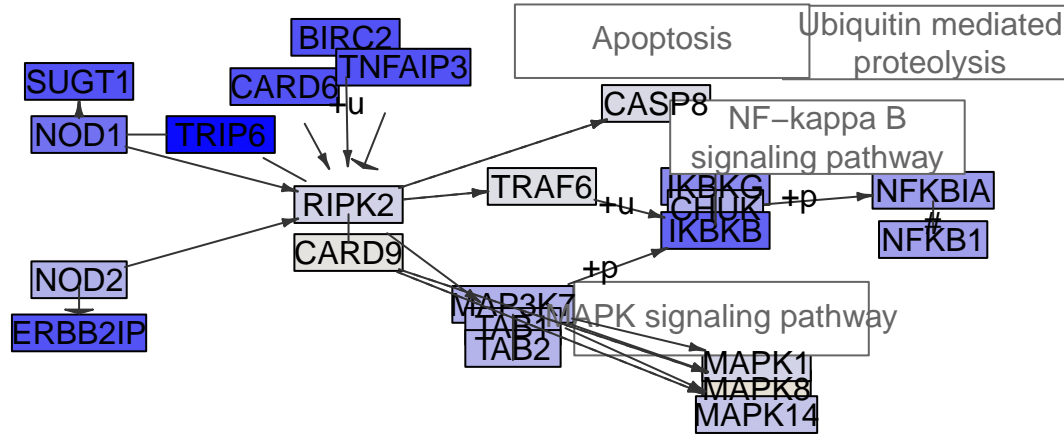
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-153

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

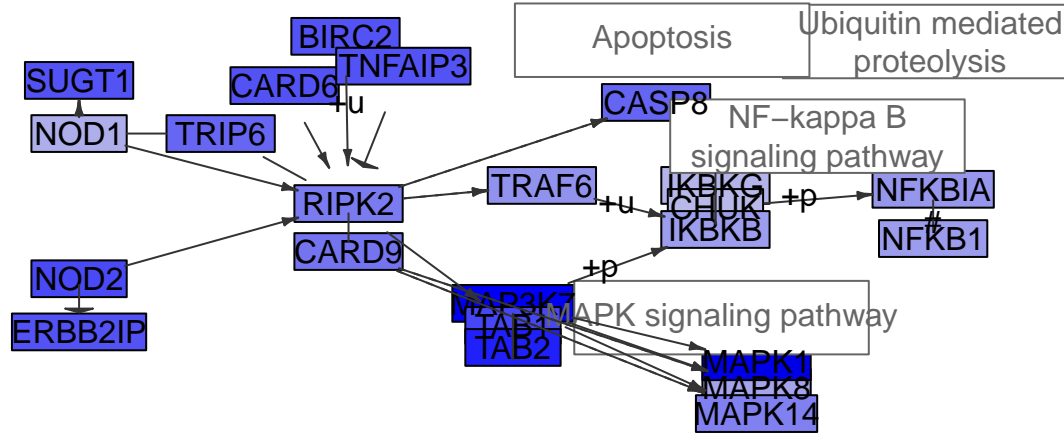
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-154

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP3, PYCARD, CASP1

Flagellar assembly

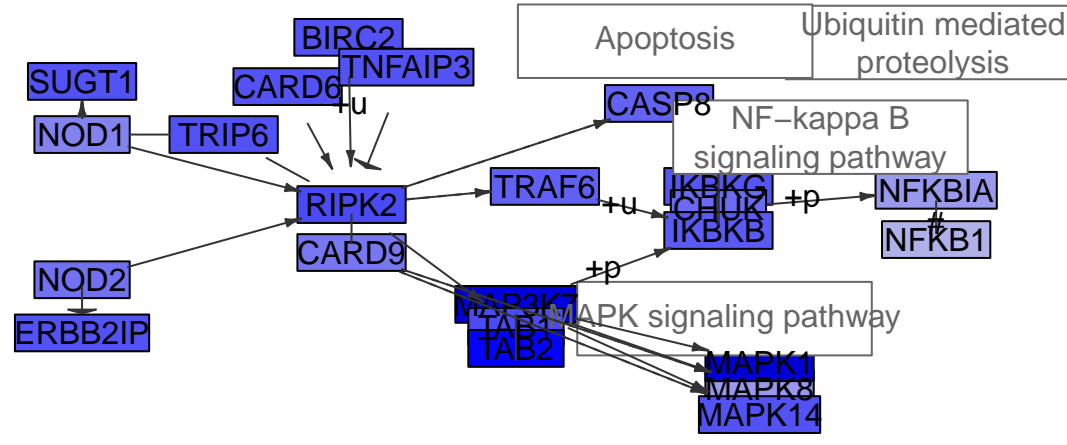
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-155

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5
TNF
IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

NLRP4
NAIP
CASP1

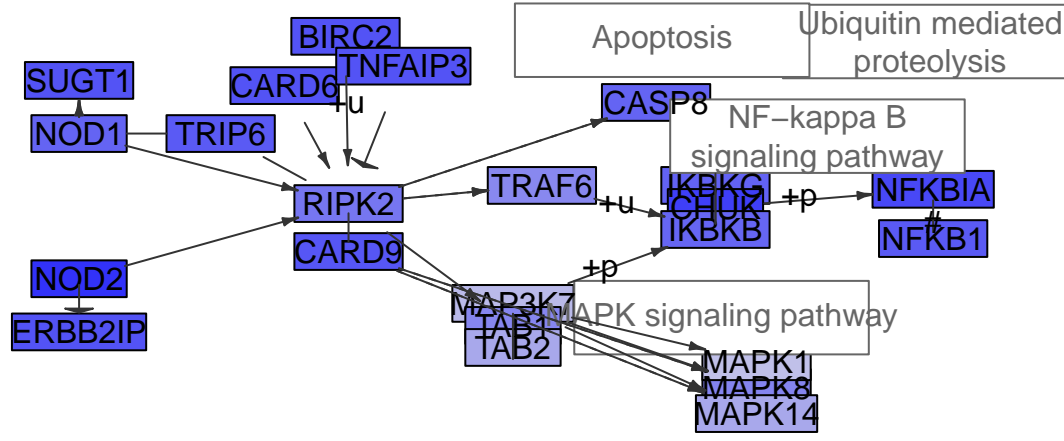
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-159

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

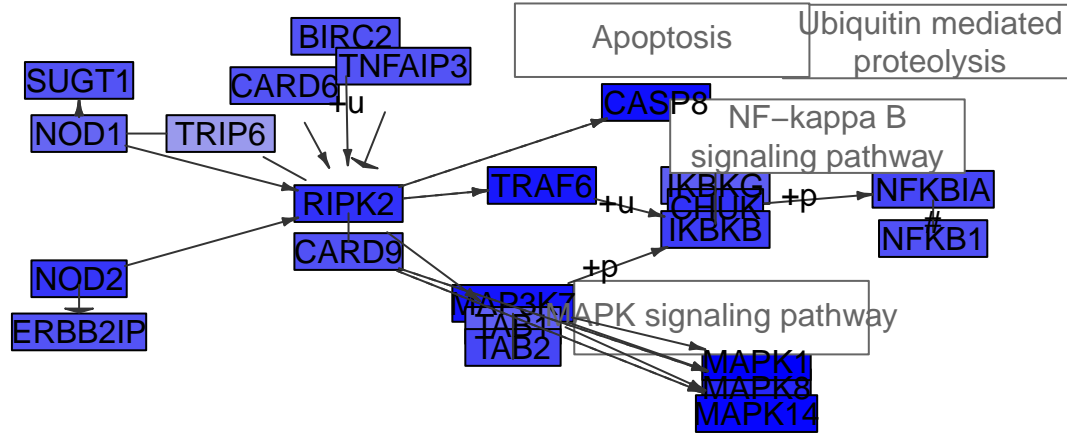
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-163

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

Flagellar assembly

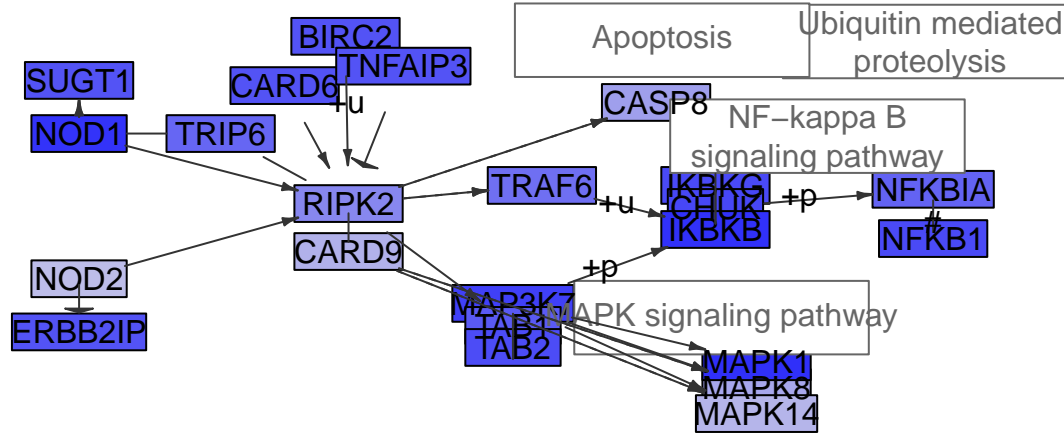
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-164

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

Flagellar assembly

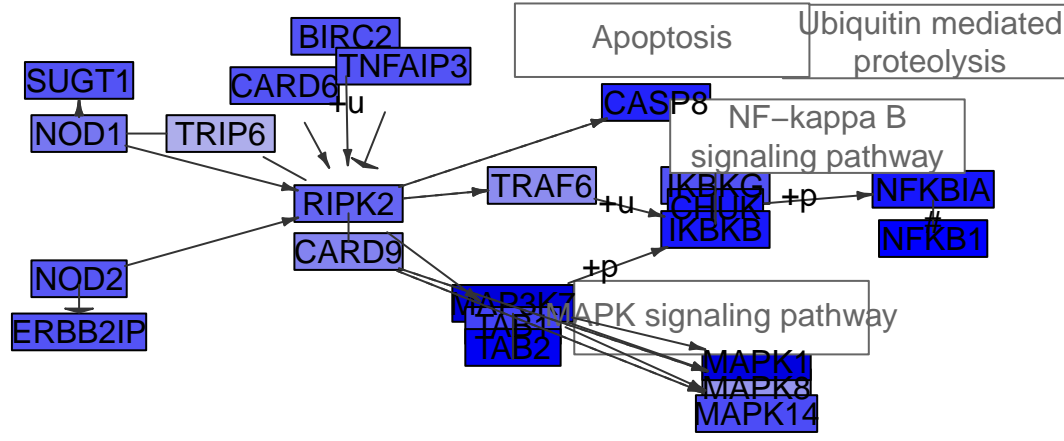
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-166

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

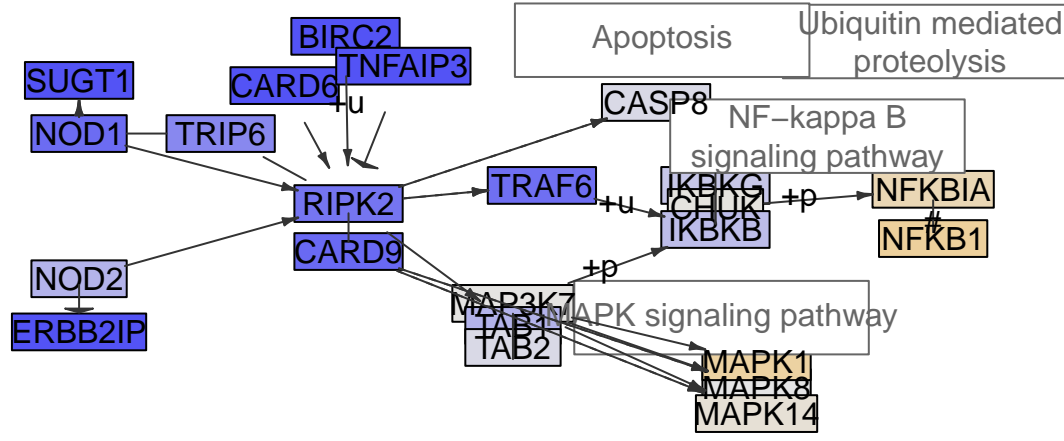
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-167

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

Flagellar assembly

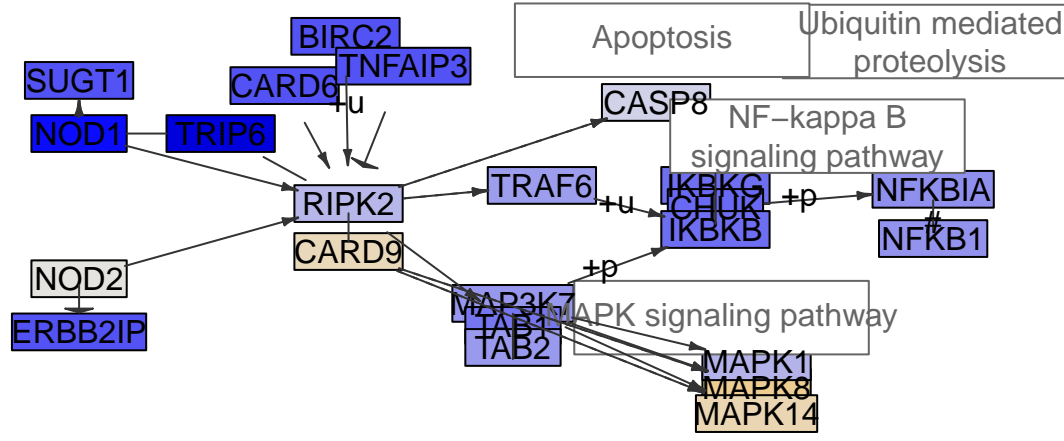
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-168

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1
CASP5

K11031
K10948

PYDC1, MEFV, STPIP1
NLRP3, PYCARD, CASP1
CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

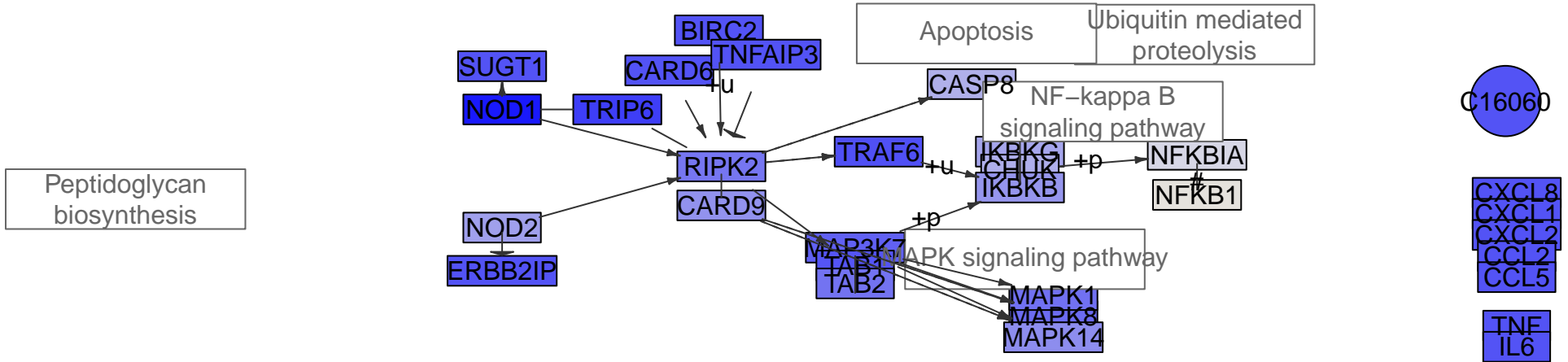
Flagellar assembly

Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-170



K08645...

K11031
K10948

NLRP3
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
P90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

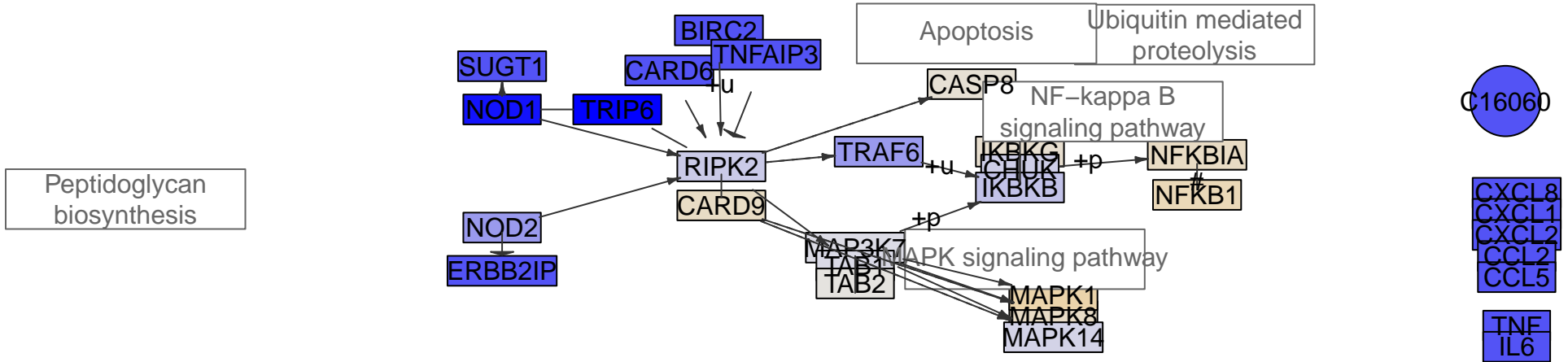
NLRP4
NAIP
CASP1

Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-173

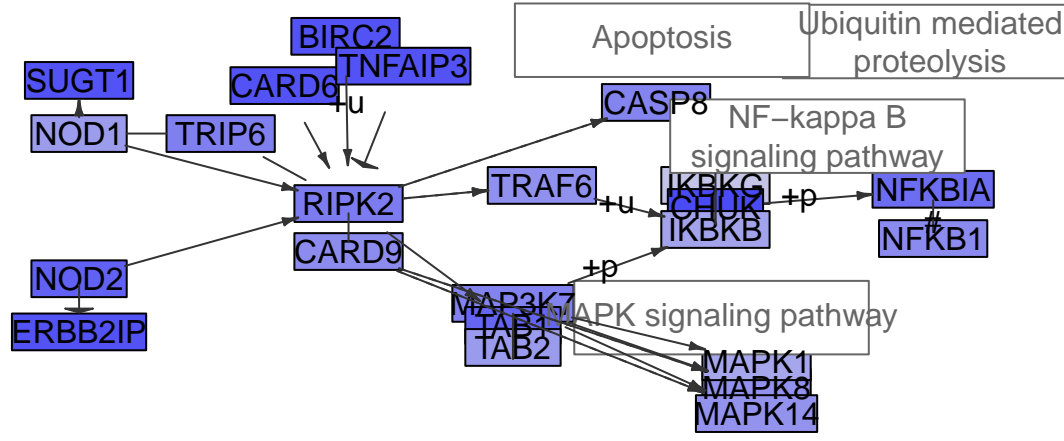


Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-174

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1
CASP5

K11031
K10948

PYDC1, MEFV, STPIP1
NLRP3, PYCARD, CASP1
CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

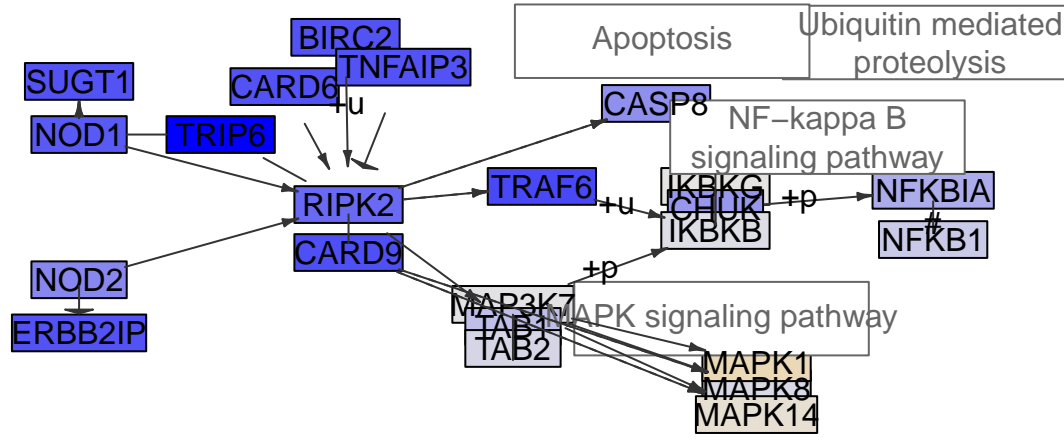
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-176

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

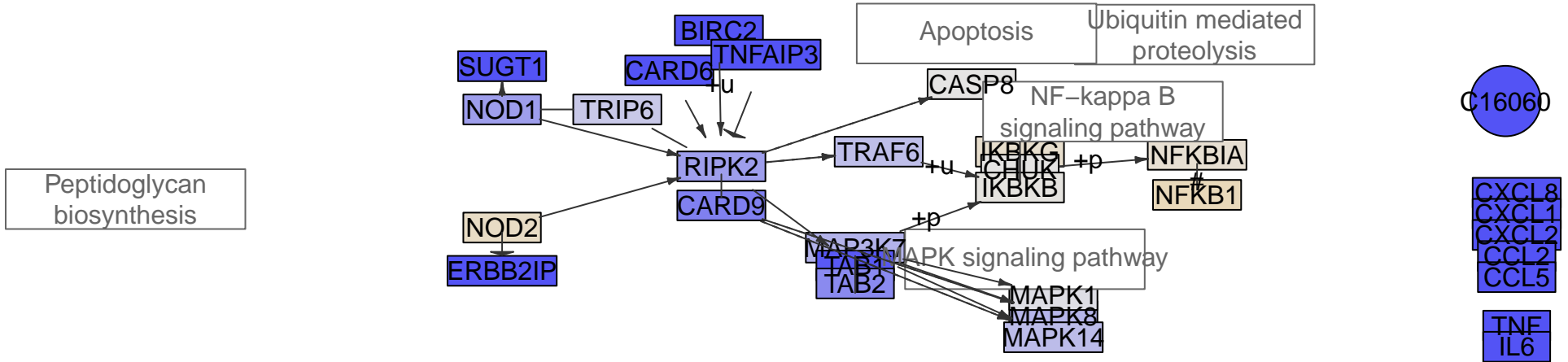
NLRP4, NAIP, CASP1

Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-177



K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
P90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

NLRP4
NAIP
CASP1

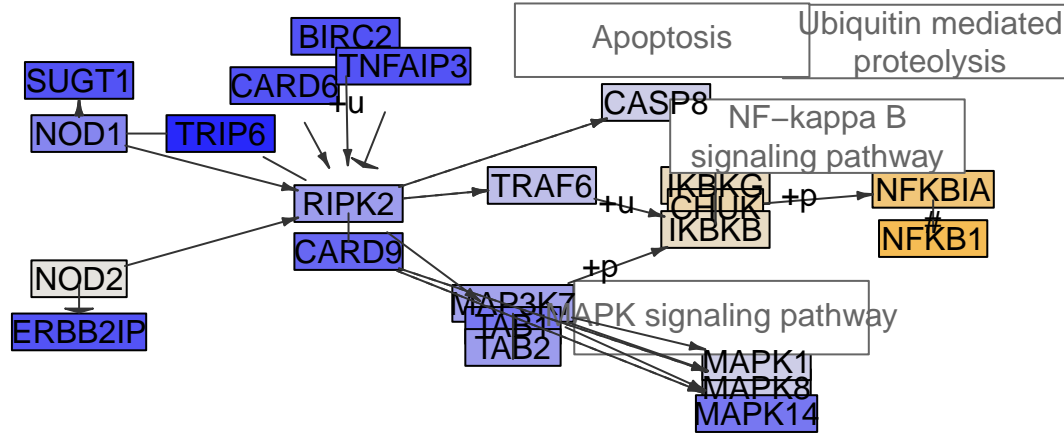
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-178

Peptidoglycan biosynthesis



C16060

- CXCL8
- CXCL1
- CXCL2
- CCL2
- CCL5
- TNF
- IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, IL13, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

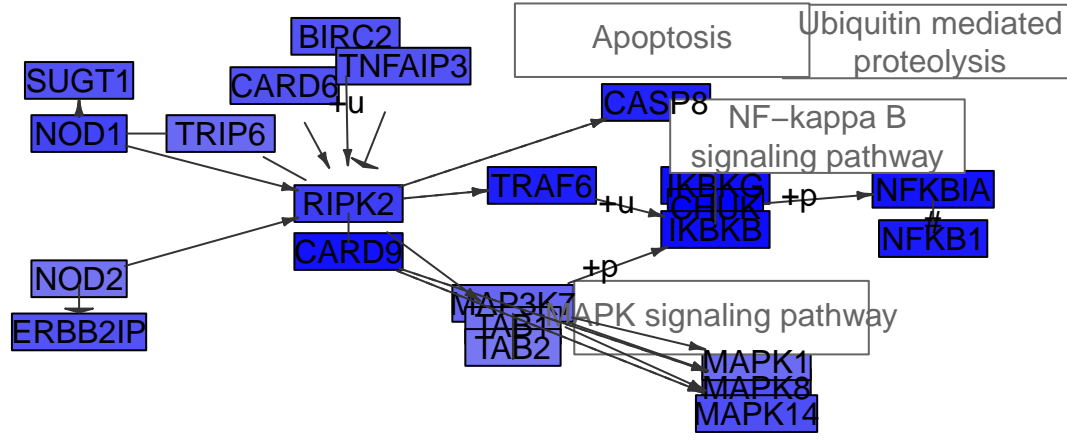
NLRP4, NAIP, CASP1

Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-179

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

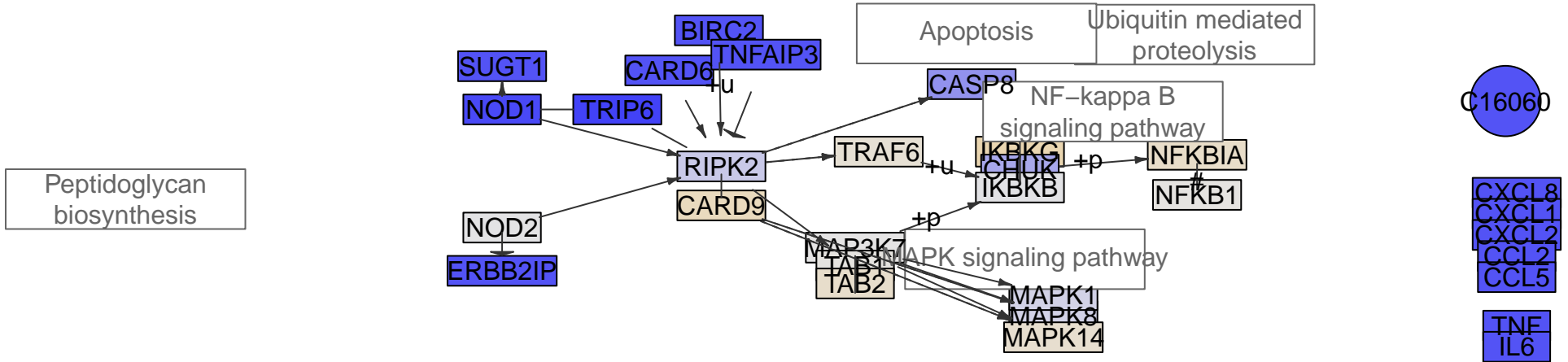
Flagellar assembly

Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-180



K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
PSP90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

NLRP4
NAIP
CASP1

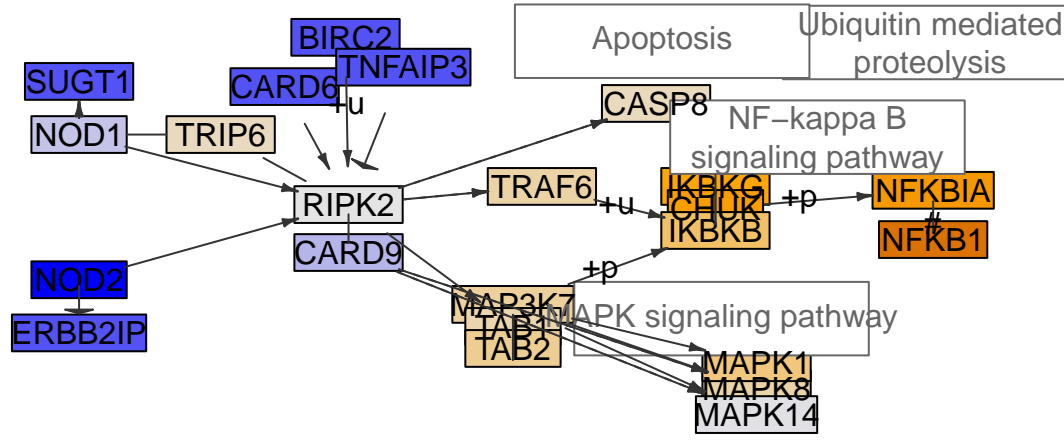
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-182

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

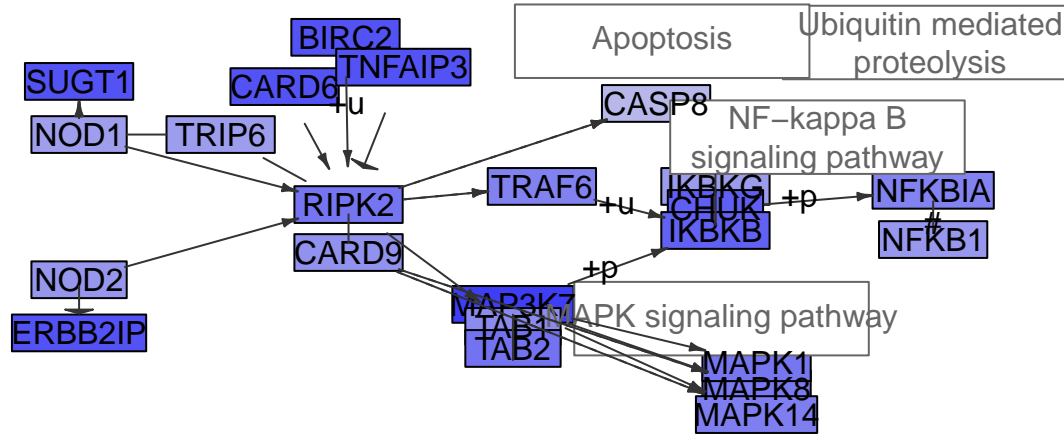
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-183

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

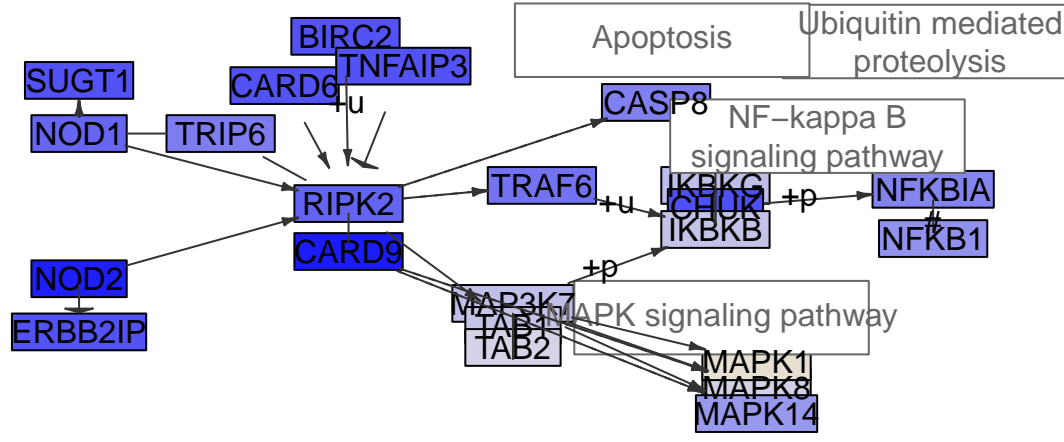
Flagellar assembly
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-184

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

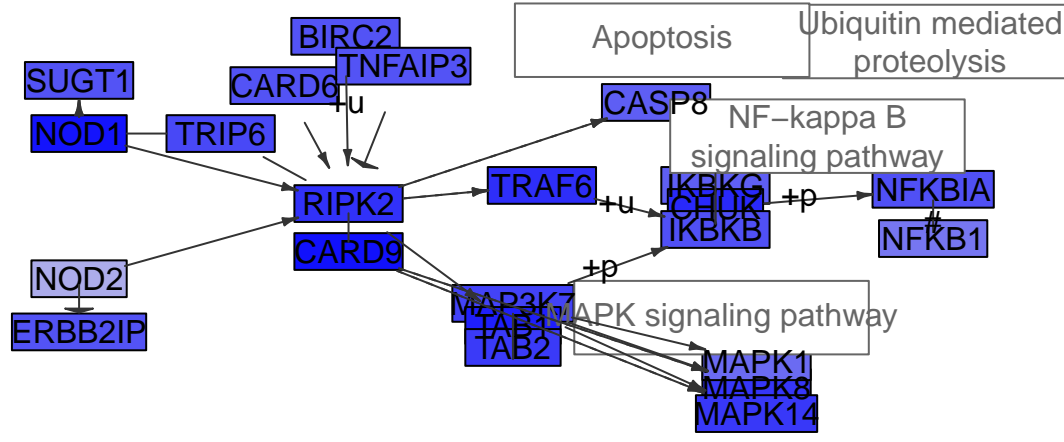
Bacterial secretion system

NLRP4
NAIP
CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-185

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3 CARD3 CASP1
CASP5

K11031
K10948

PYDC1 MEFV STPIP1
NLRP3 CARD3 CASP1
CARD3 CASP1

SUGT1 SP90AA1

IL1B
IL18

CARD18
NLRP4 CARD3 CASP1

Flagellar assembly

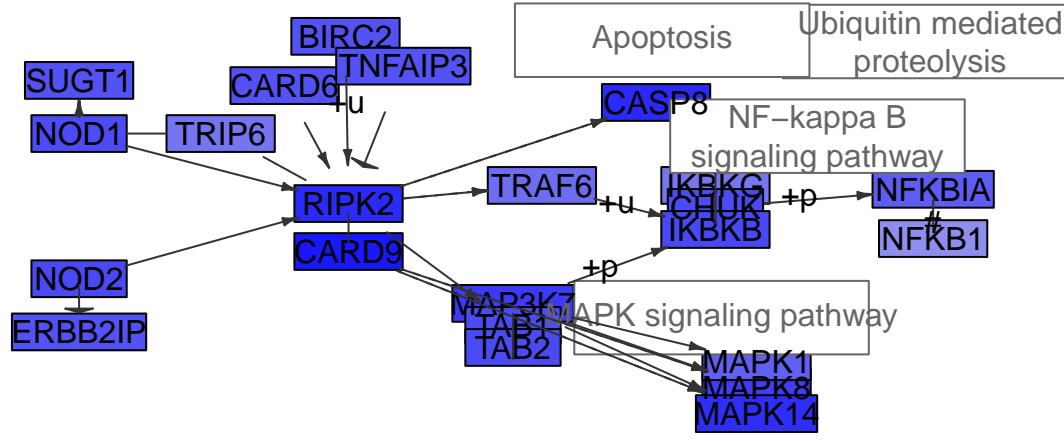
Bacterial secretion system

NLRP4 NAIP CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-186

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3 PYCARD CASP1
CASP5

K11031
K10948

PYDC1 MEFV STPIP1
NLRP3 PYCARD CASP1
CARD6 CASP1

SUGT1 SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

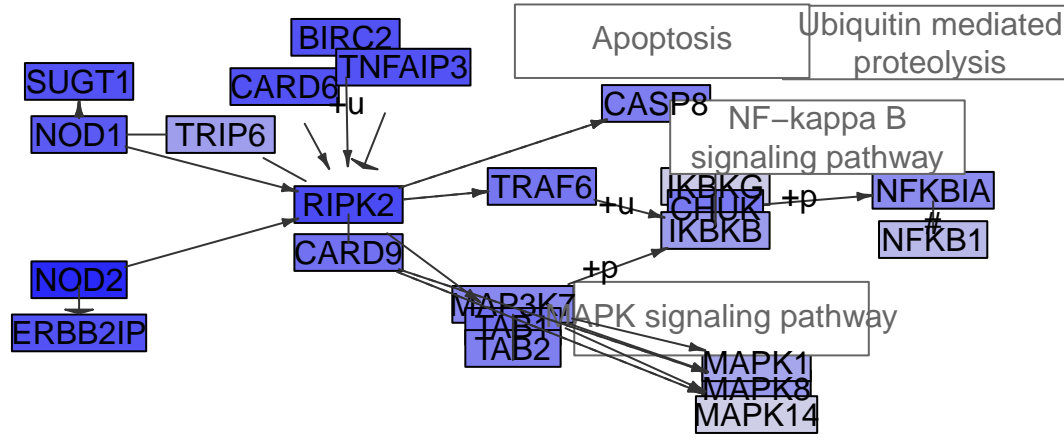
CARD18
NLRP4 PYCARD CASP1

Toll-like receptor signaling pathway

NLRP4 NAIP CASP1

NOD-like receptor signaling pathway
MPI-188

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

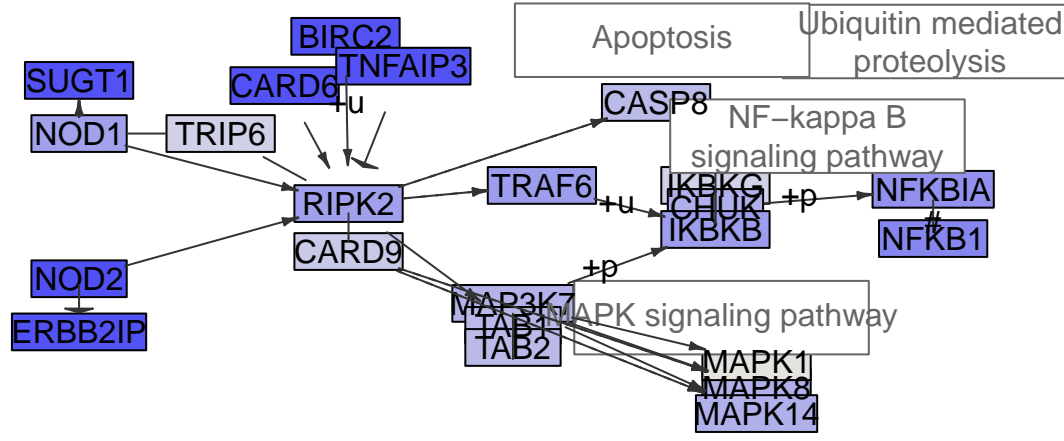
Flagellar assembly
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-189

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

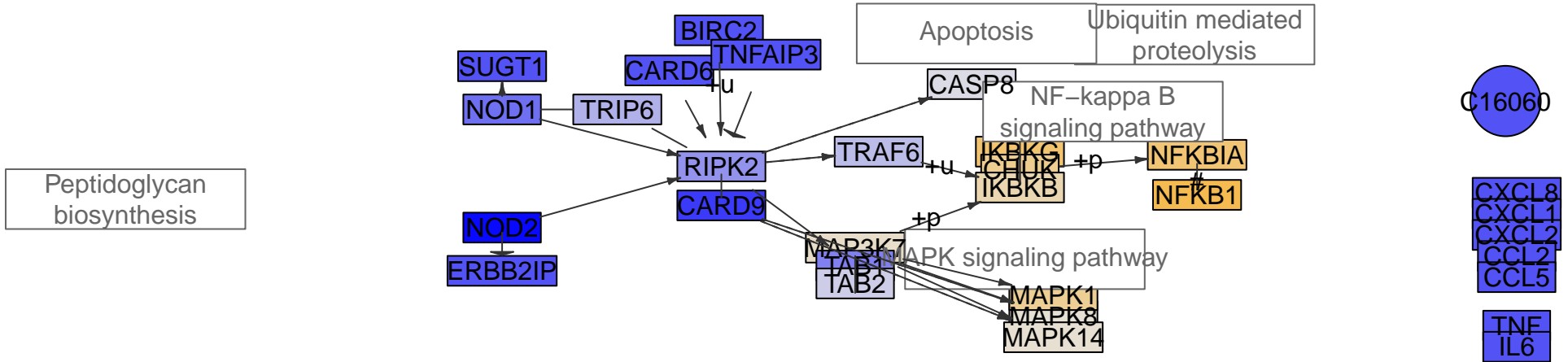
Bacterial secretion system

CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-190



- C16060
- CXCL8
- CXCL1
- CXCL2
- CCL2
- CCL5
- TNF
- IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1
CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1
CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18
NLRP4, PYCARD, CASP1

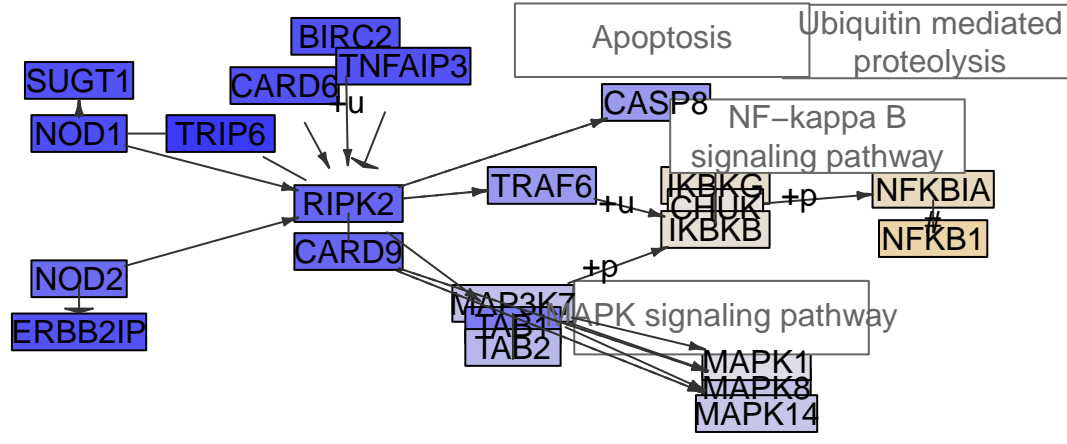
NLRP4, NAIP, CASP1

Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-191

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

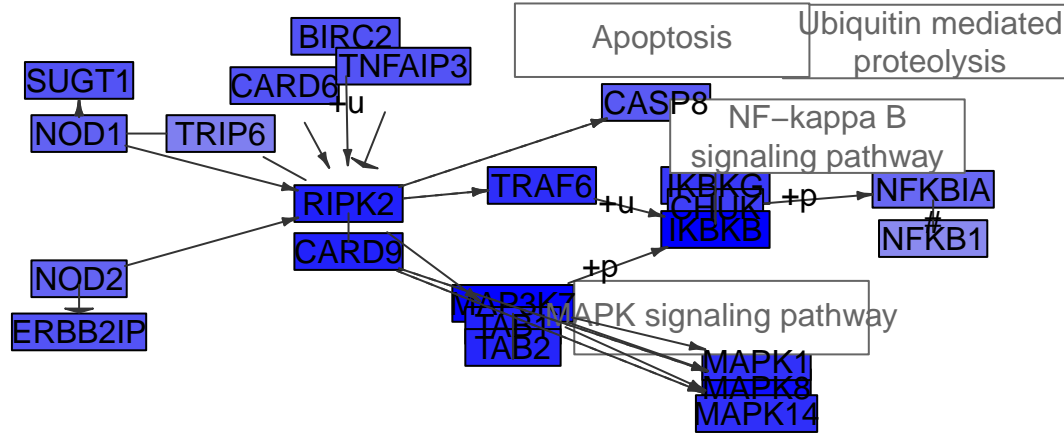
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-192

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1
CASP5

K11031
K10948

PYDC1, MEF2, STPIP1
NLRP3, PYCARD, CASP1
CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

Flagellar assembly
Bacterial secretion system

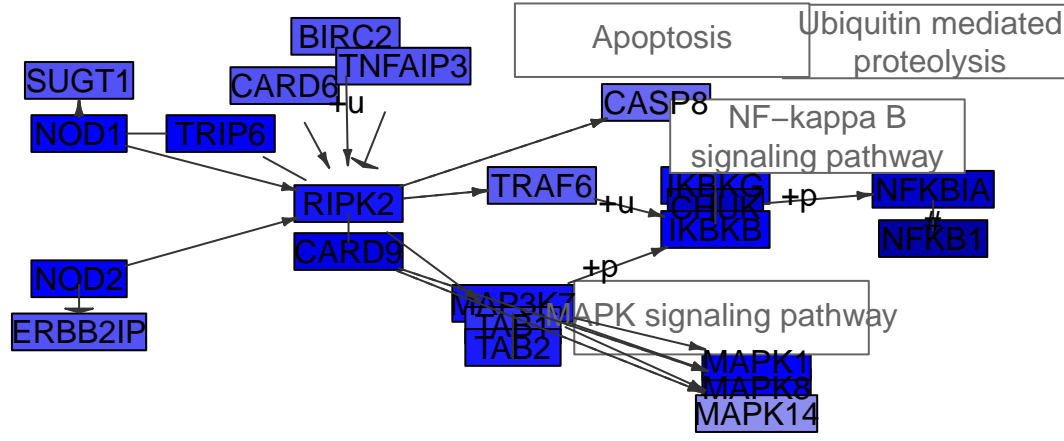
CARD18
NLRP4, PYCARD, CASP1

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-195

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

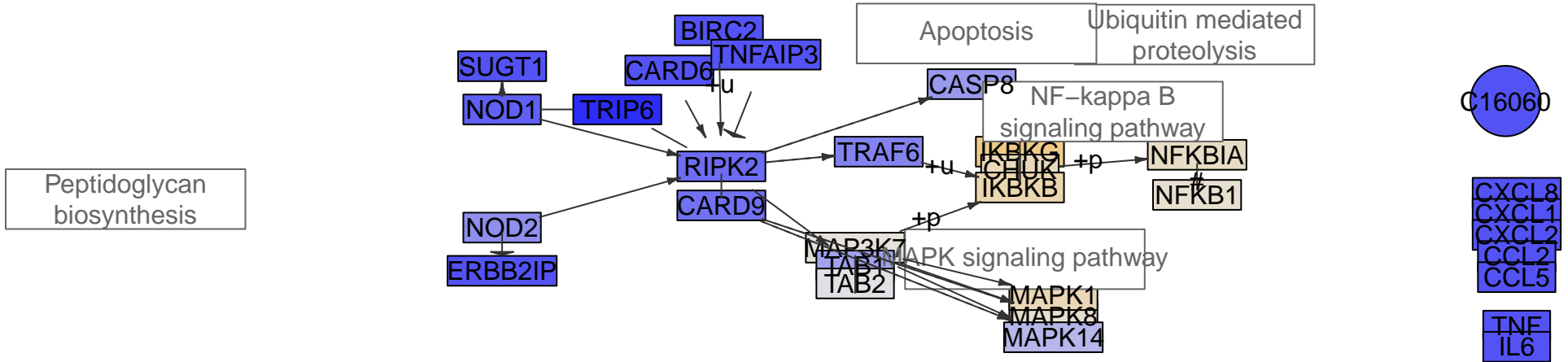
NLRP4
NAIP
CASP1

Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-196



K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

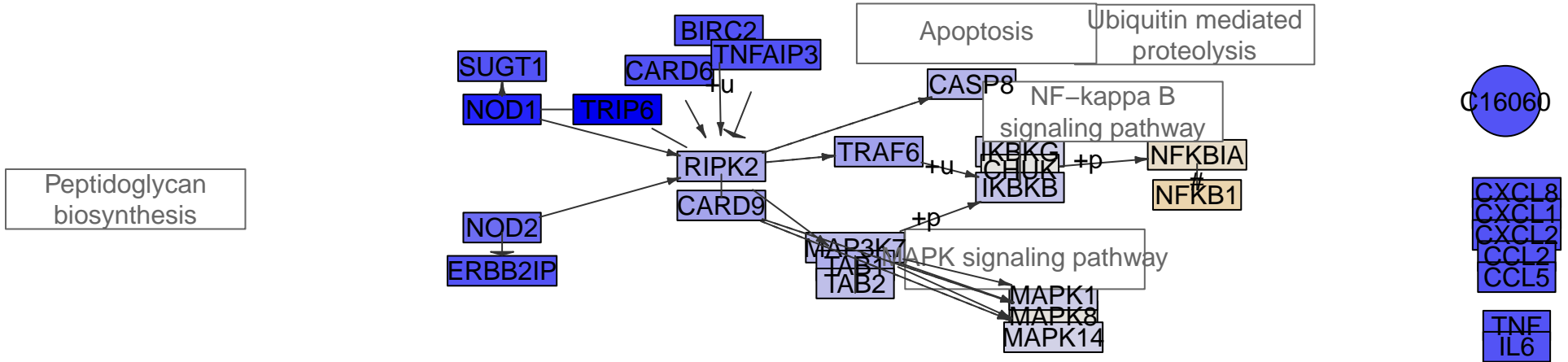
NLRP4
NAIP
CASP1

Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-198



K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

NLRP4
NAIP
CASP1

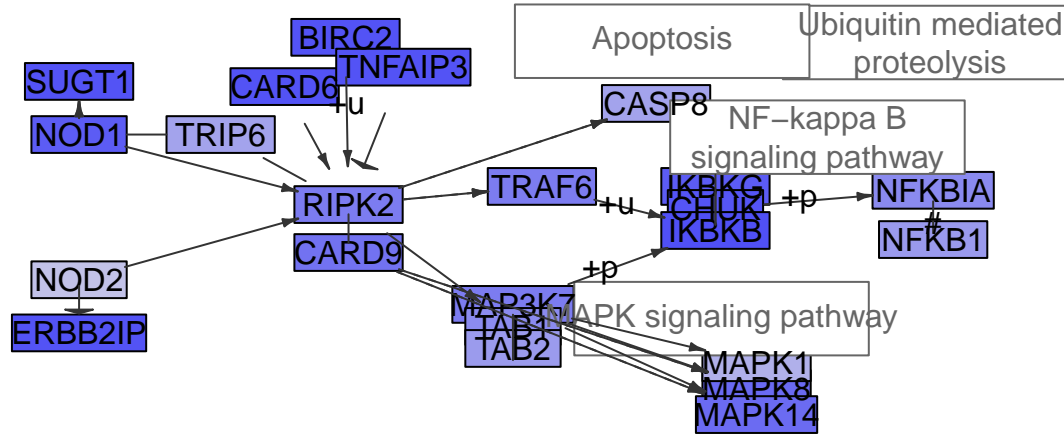
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-199

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

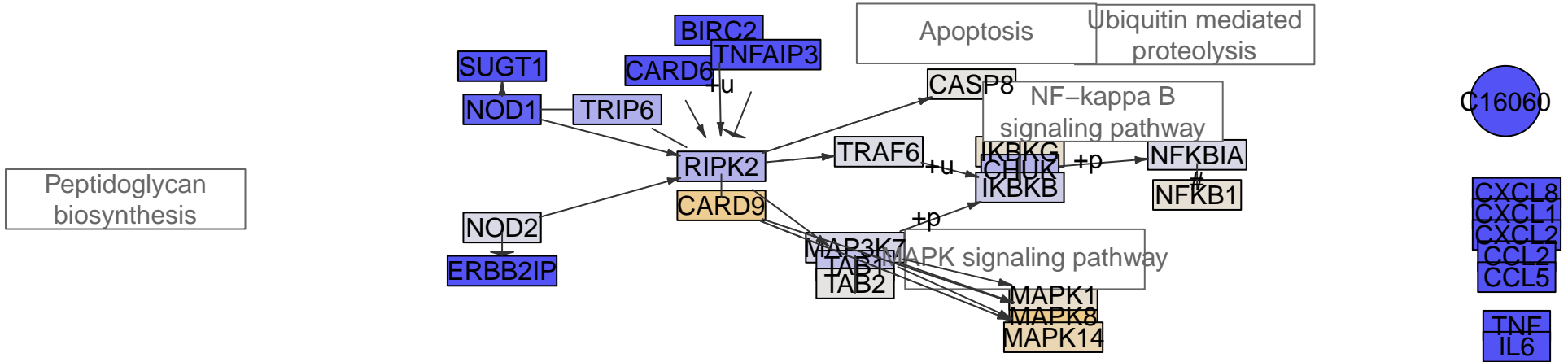
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-200



Peptidoglycan biosynthesis

C16060

- CXCL8
- CXCL1
- CXCL2
- CCL2
- CCL5
- TNF
- IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, IL13, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

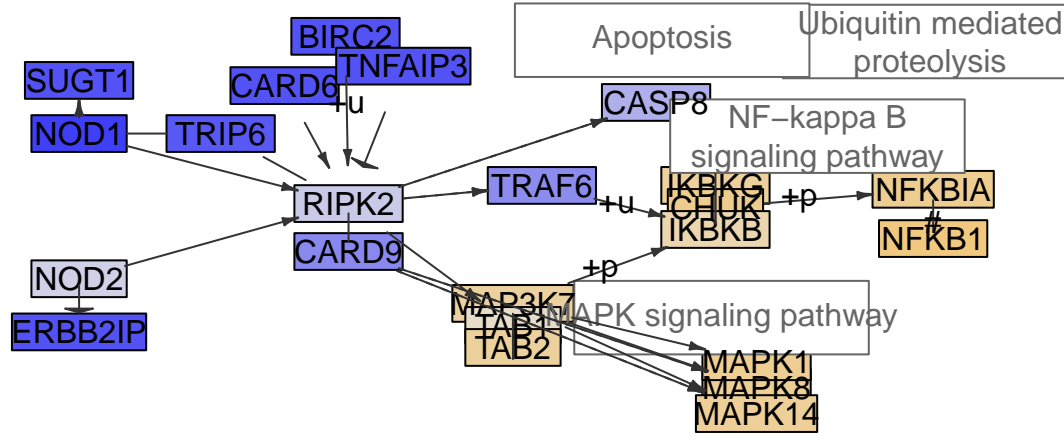
NLRP4, NAIP, CASP1

Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-201

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

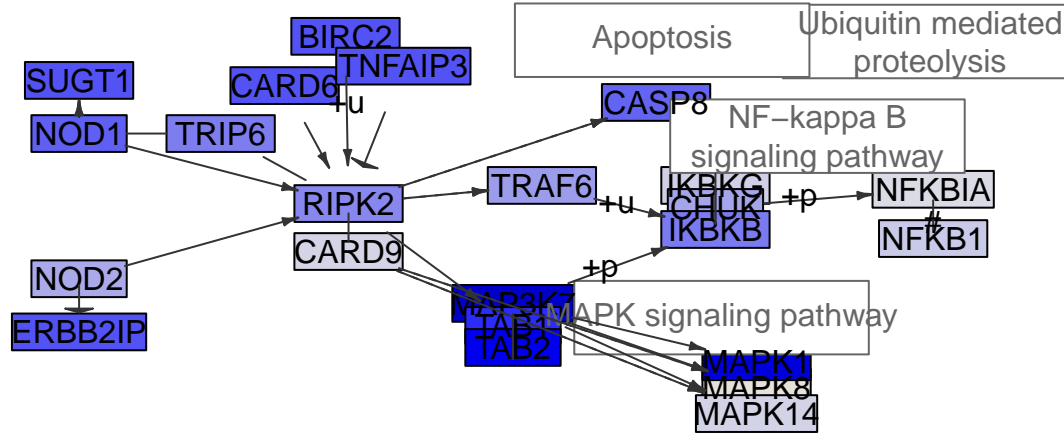
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-202

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

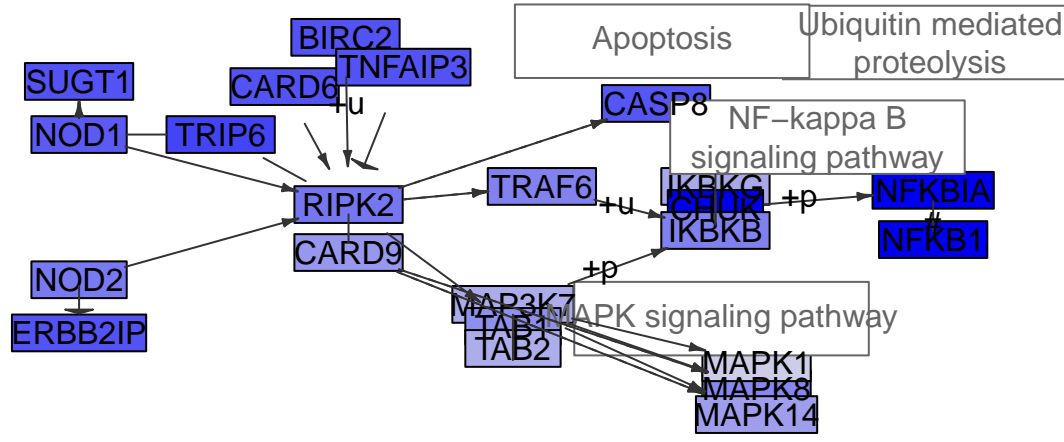
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-203

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1
CASP5

K11031
K10948

PYDC1, MEFV, STPIP1
NLRP3, PYCARD, CASP1
CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18
NLRP4, PYCARD, CASP1

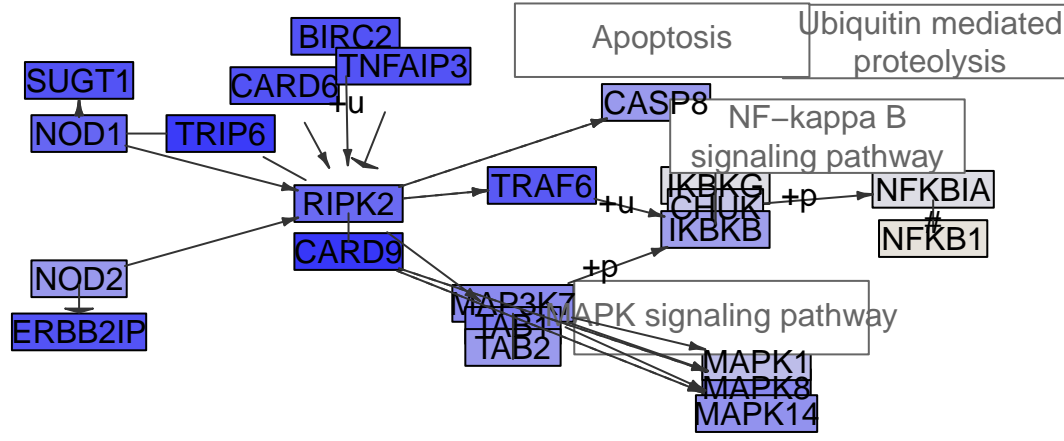
Flagellar assembly
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-204

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1
CASP5

PYDC1, MEFV, STPIP1
NLRP3, PYCARD, CASP1
CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18
NLRP4, PYCARD, CASP1

Flagellar assembly

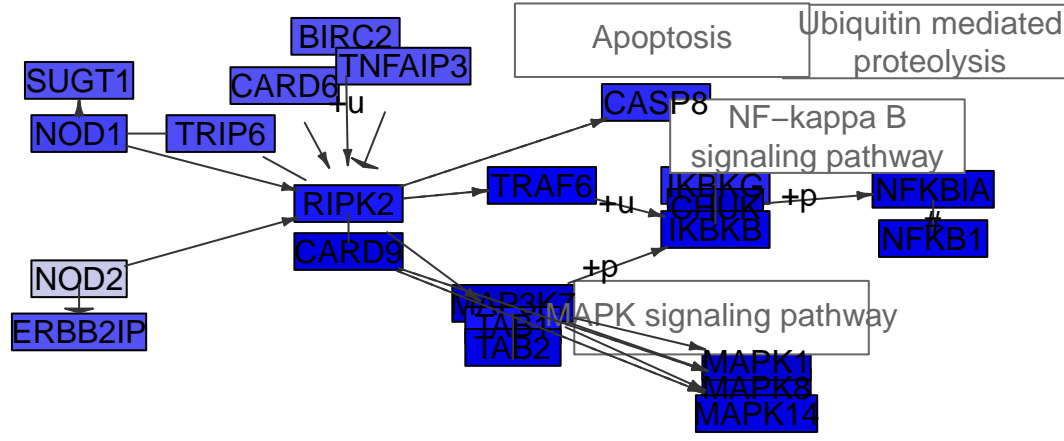
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-205

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
HSP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

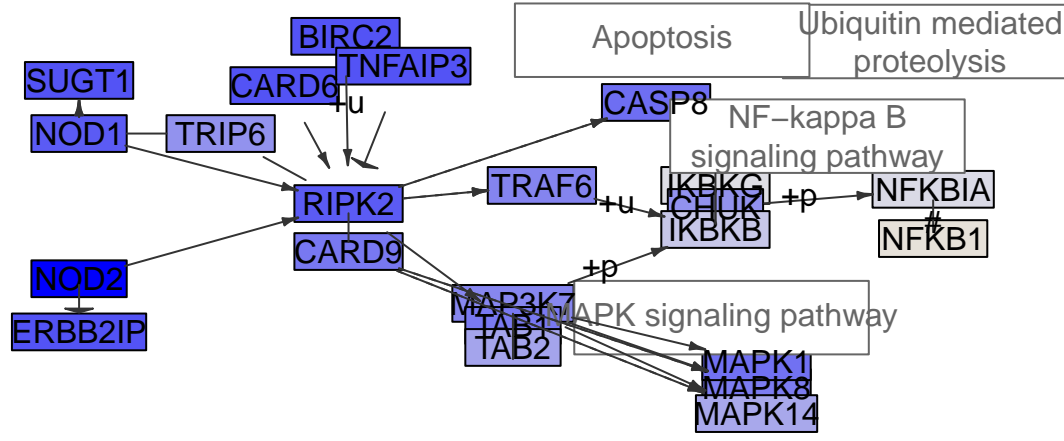
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-206

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly
Bacterial secretion system

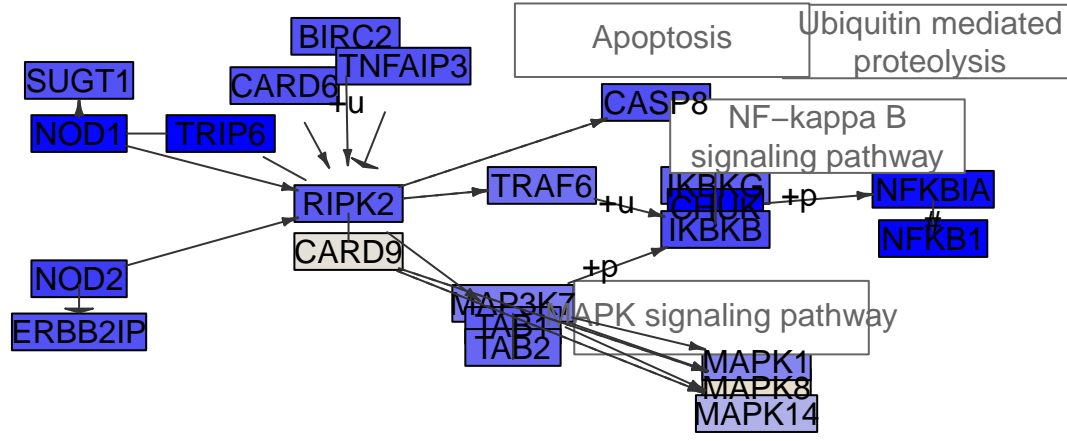
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-207

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

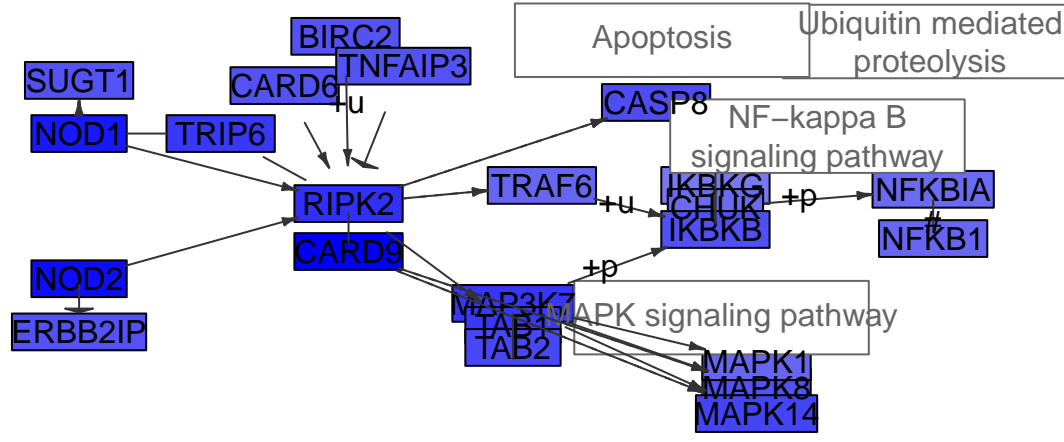
Bacterial secretion system

NLRP4
NAIP
CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-208

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

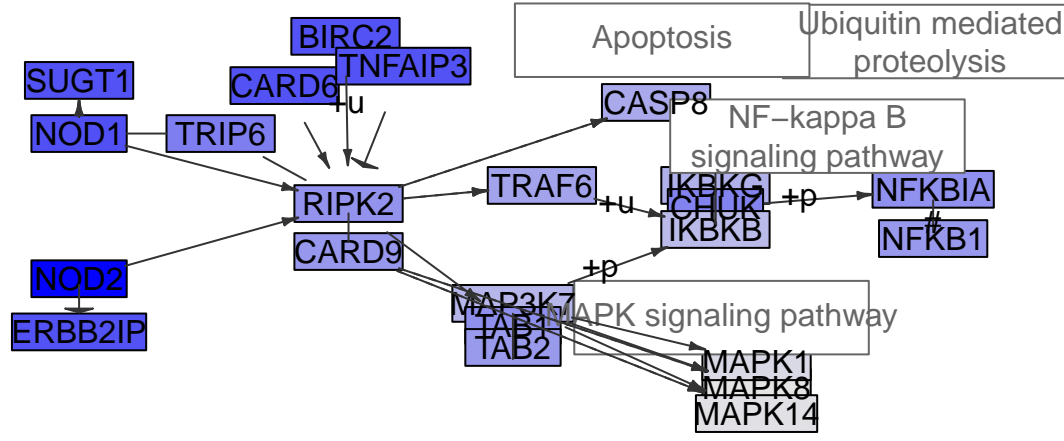
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-209

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

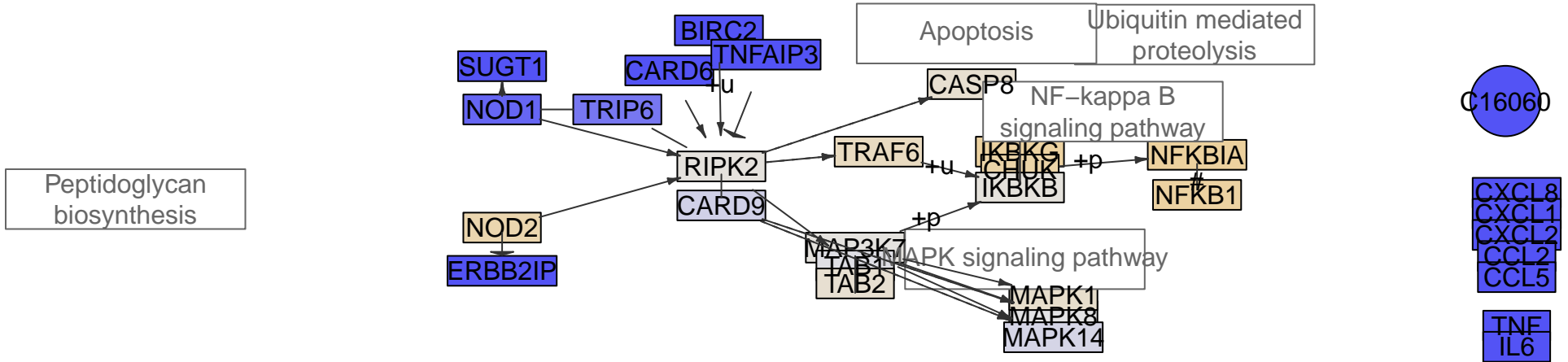
Bacterial secretion system

CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-210



Peptidoglycan biosynthesis

Apoptosis Ubiquitin mediated proteolysis

NF-kappa B signaling pathway

MAPK signaling pathway

C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP3 CARD6 CASP1
CASP5

PYDC1 MEFV STPIP1

NLRP3 CARD6 CASP1
CARD6 CASP1

SUGT1 SP90AA1

IL1B
IL18

CARD18

NLRP4 CARD6 CASP1

Flagellar assembly

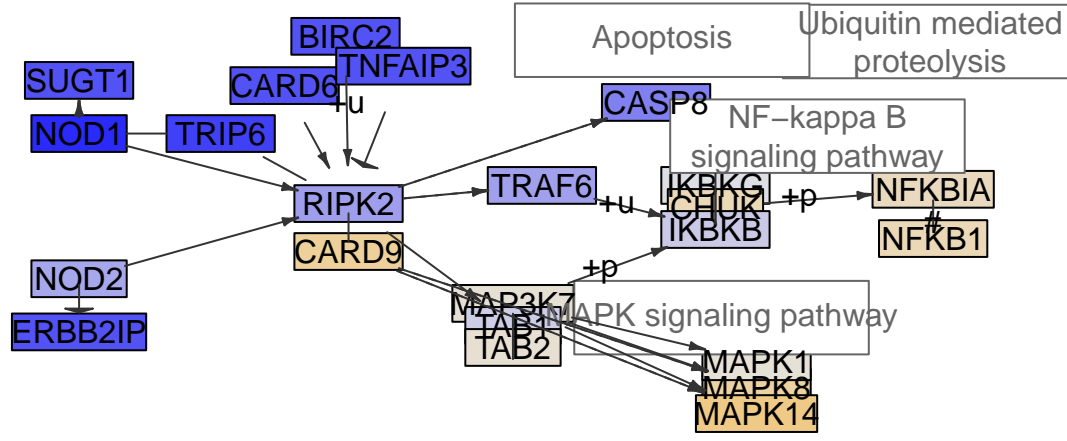
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4 NAIP CASP1

NOD-like receptor signaling pathway
MPI-212

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

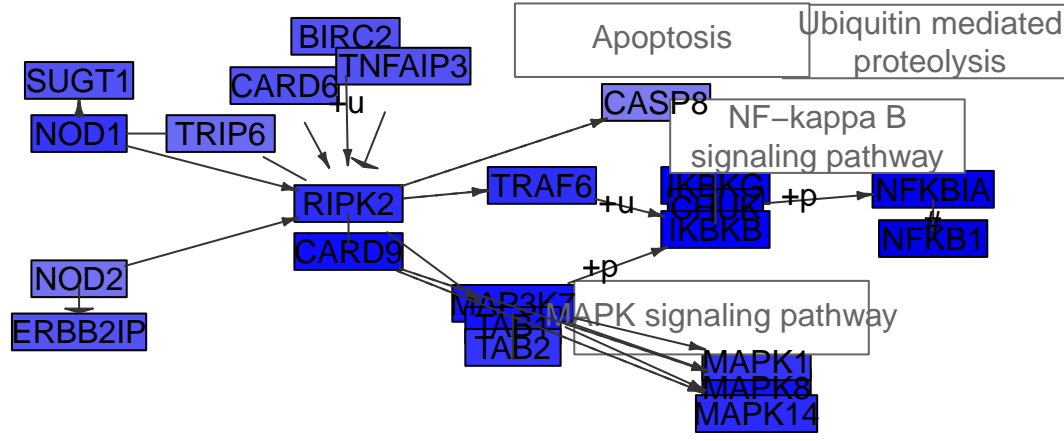
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-213

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

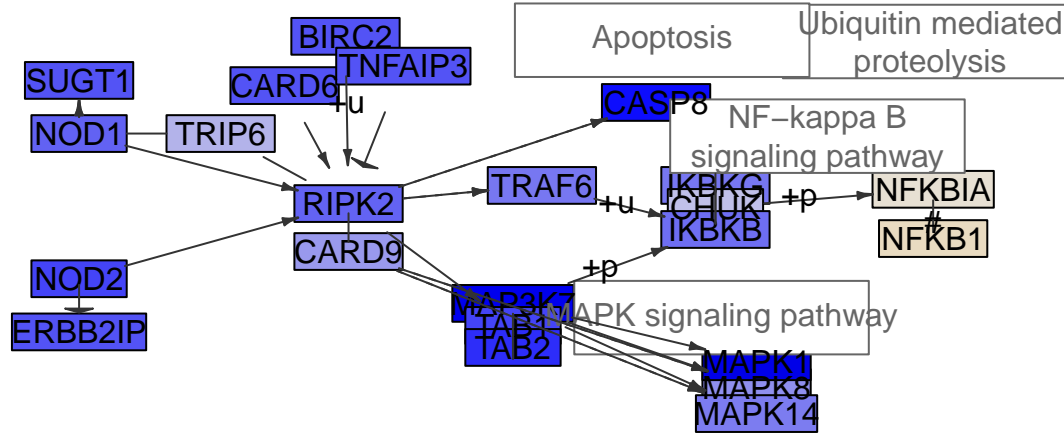
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-215

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

NLRP4
NAIP
CASP1

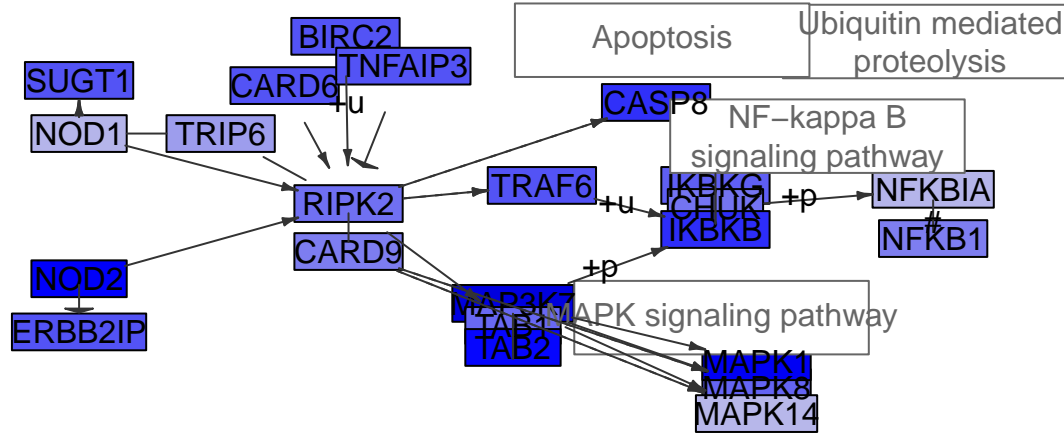
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-219

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP3
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
HSP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

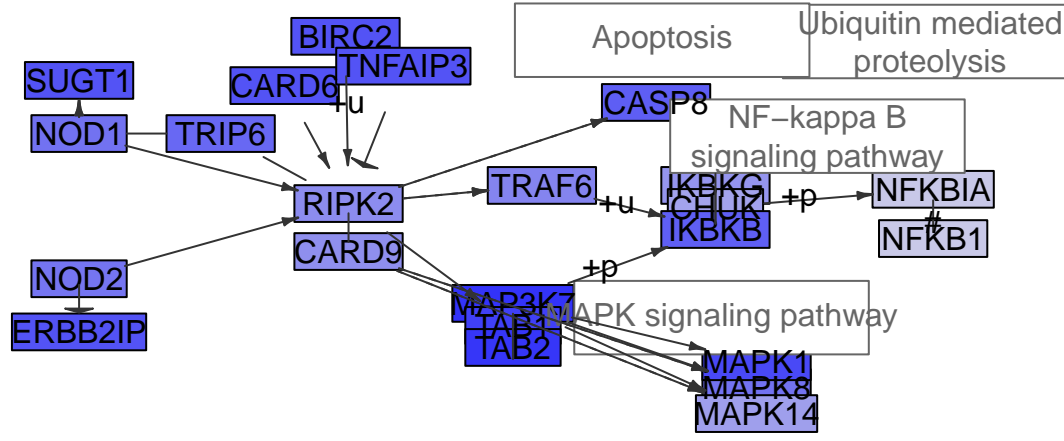
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-221

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

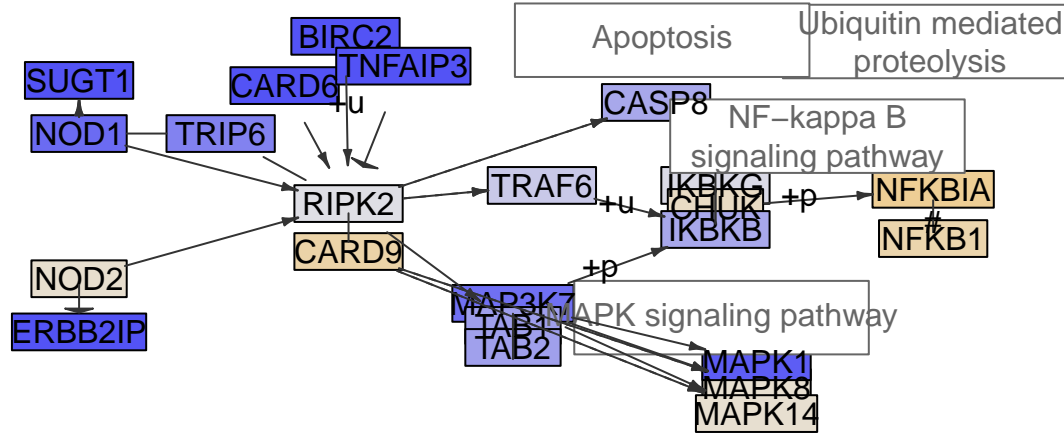
Flagellar assembly
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-223a

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

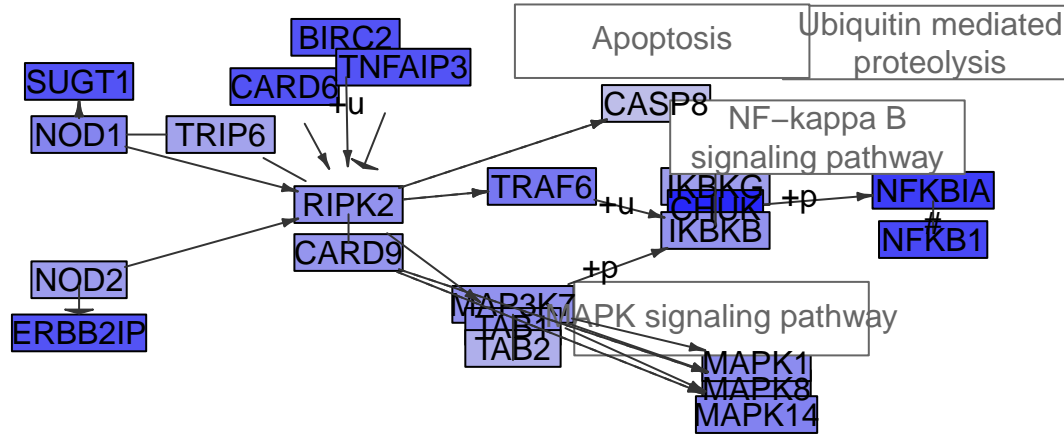
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-224

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

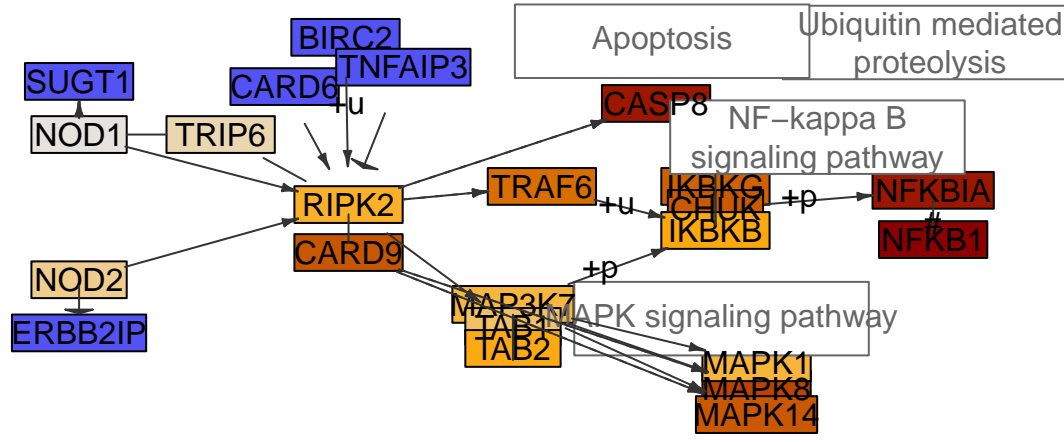
CARD18
NLRP4
PYCARD
CASP1

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-226

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

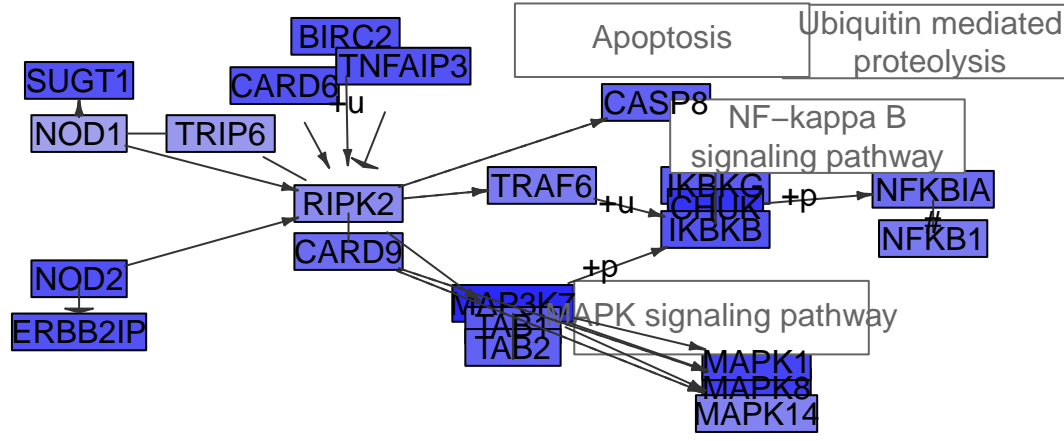
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-227

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

Flagellar assembly

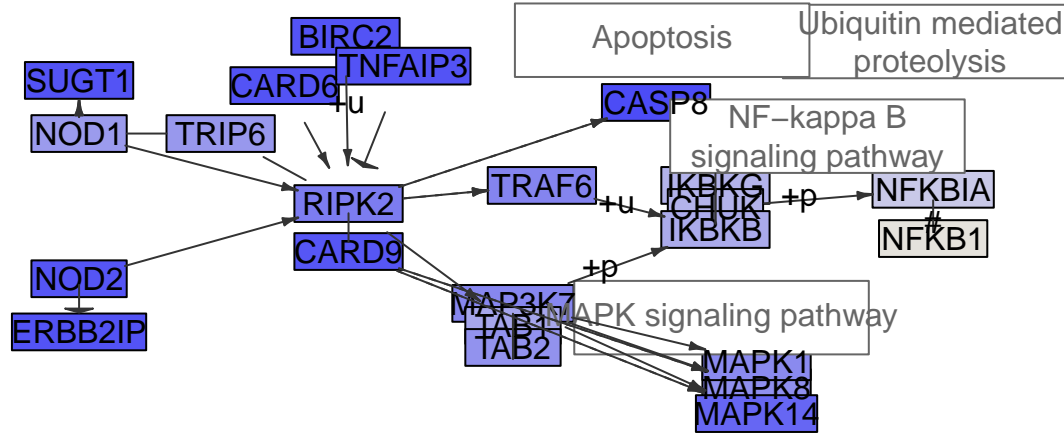
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-228

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD8
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

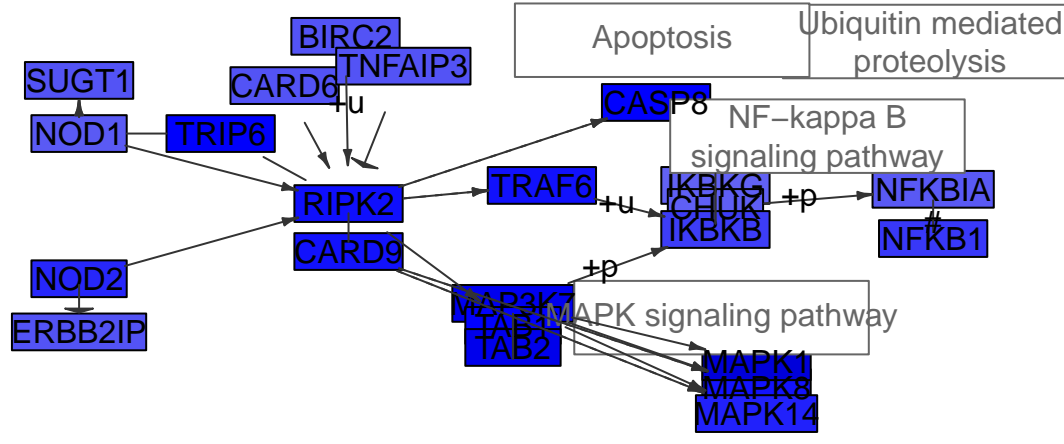
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-229

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP3
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
PSP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

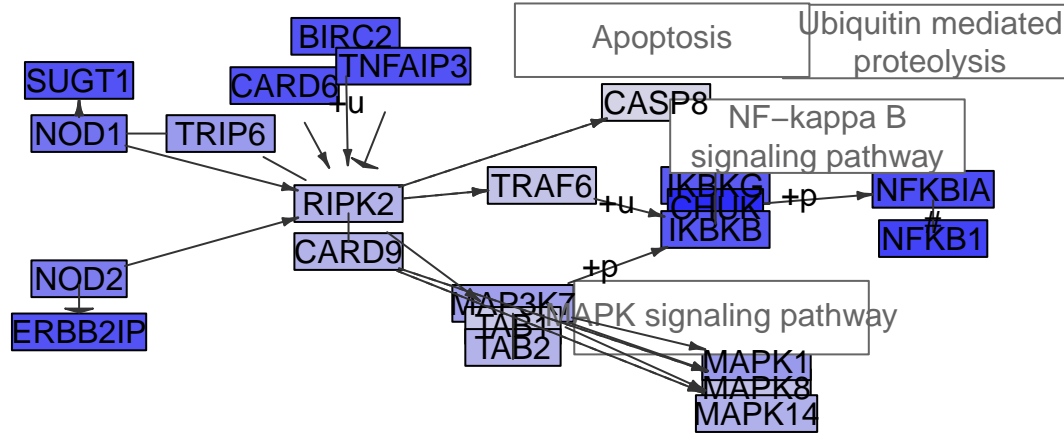
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-230

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

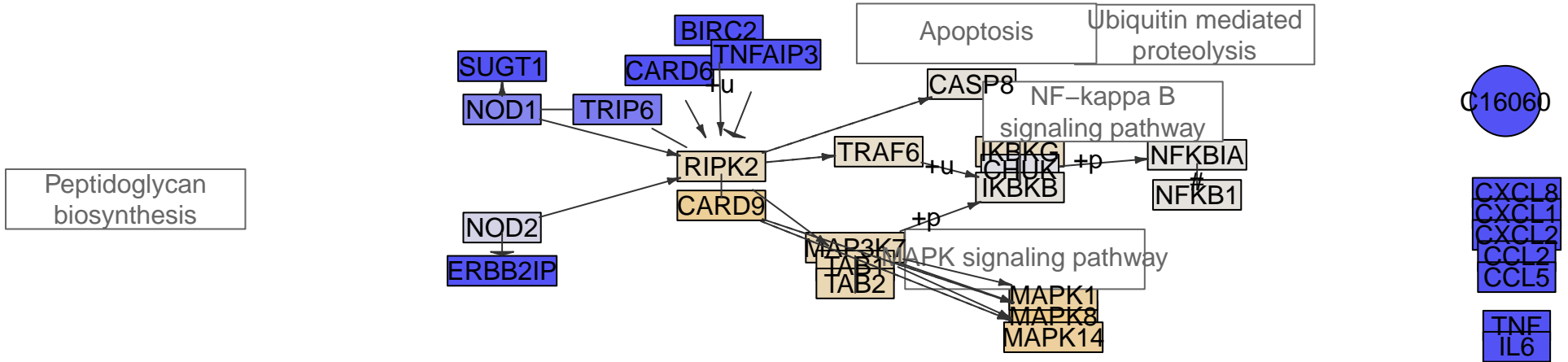
Flagellar assembly

Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-231



K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
PSP90AA1

IL1B
IL18

CARD18
NLRP4
PYCARD
CASP1

Flagellar assembly

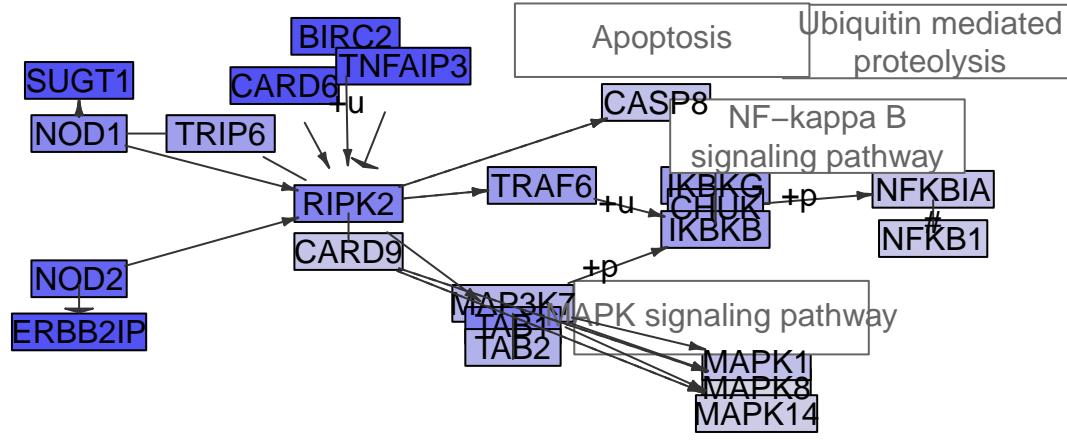
Bacterial secretion system

NLRP4
NAIP
CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-232

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1, CASP5

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, PYCARD, CASP1

NLRP4, NAIP, CASP1

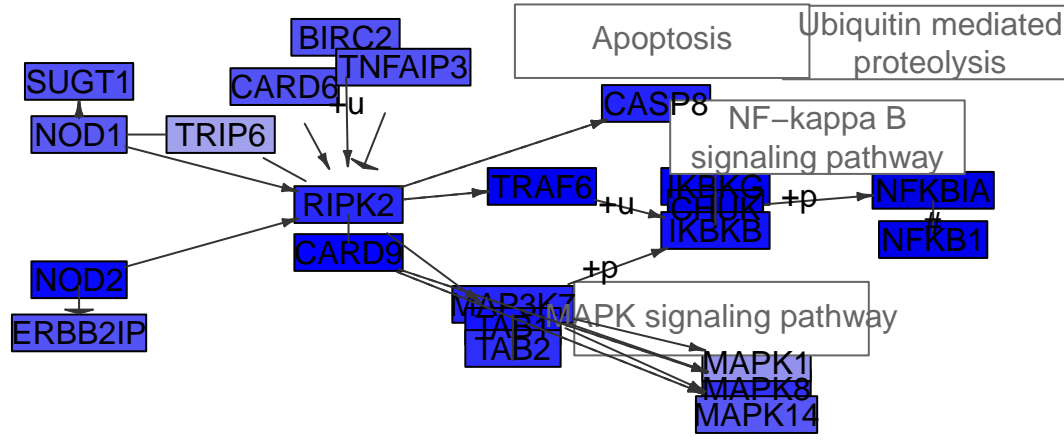
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-233

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

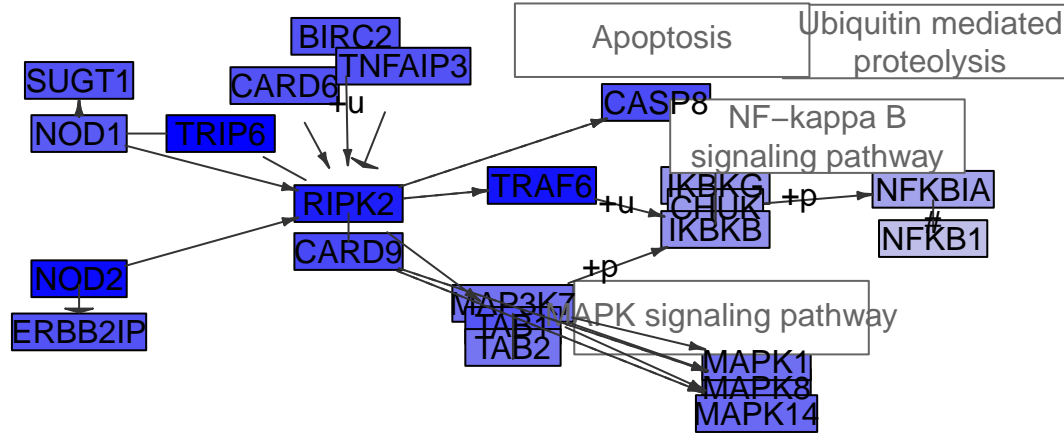
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4
NAIP
CASP1

NOD-like receptor signaling pathway
MPI-234

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1
CASP5

PYDC1, MEFV, STPIP1
NLRP3, PYCARD, CASP1
CARD6, CASP1

SUGT1, IL13, SP90AA1

IL1B
IL18

CARD18
NLRP4, PYCARD, CASP1

Flagellar assembly

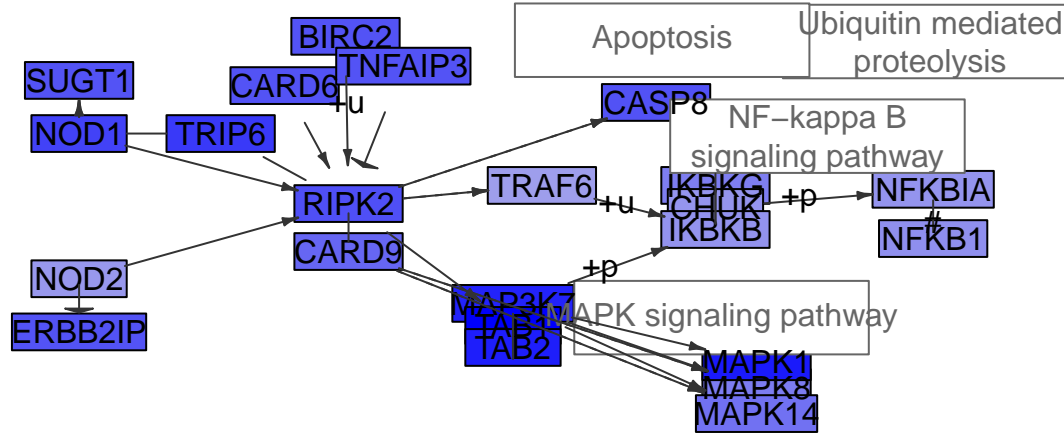
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-235

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1
CASP5

K11031
K10948

PYDC1, MEFV, STPIP1
NLRP3, PYCARD, CASP1
CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18
NLRP4, PYCARD, CASP1

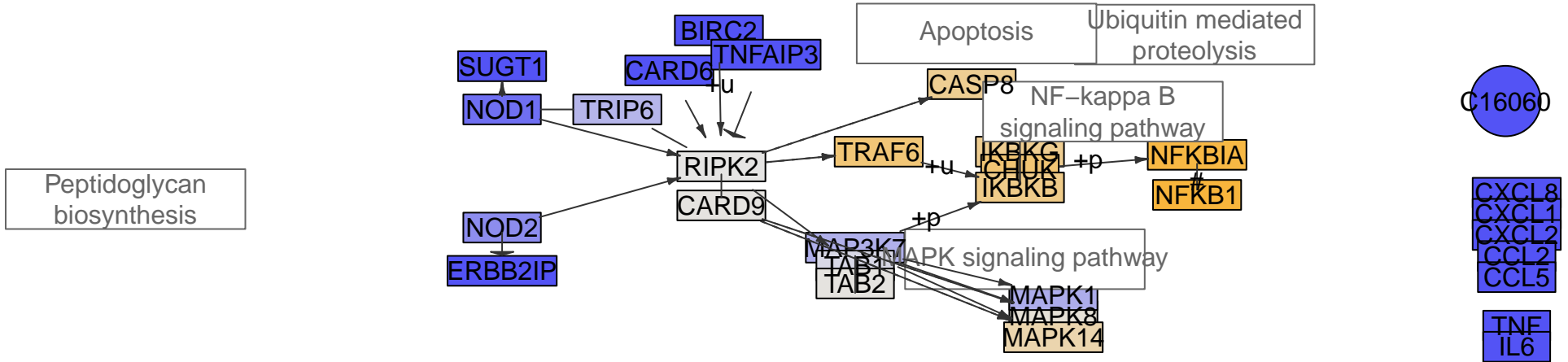
Flagellar assembly

Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-236



K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEF1
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
P90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

NLRP4
NAP
CASP1

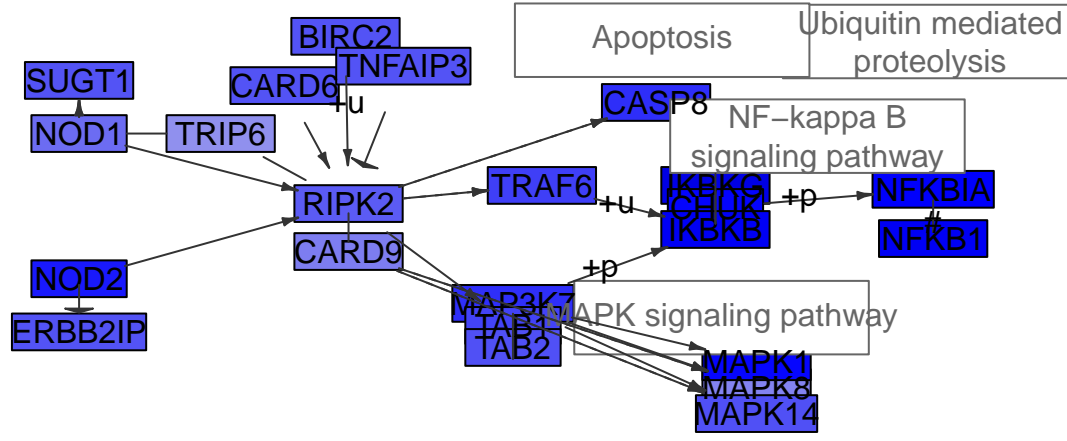
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-237

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEFV
STPIP1
NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
SP90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

Flagellar assembly

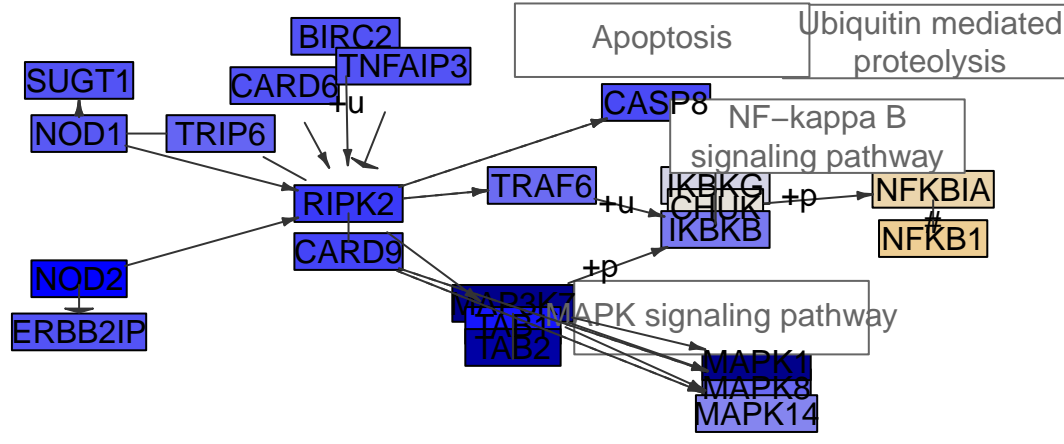
Bacterial secretion system

NLRP4
NAP
CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-239

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1
CASP5

K11031
K10948

PYDC1, MEFV, STPIP1
NLRP3, PYCARD, CASP1
CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

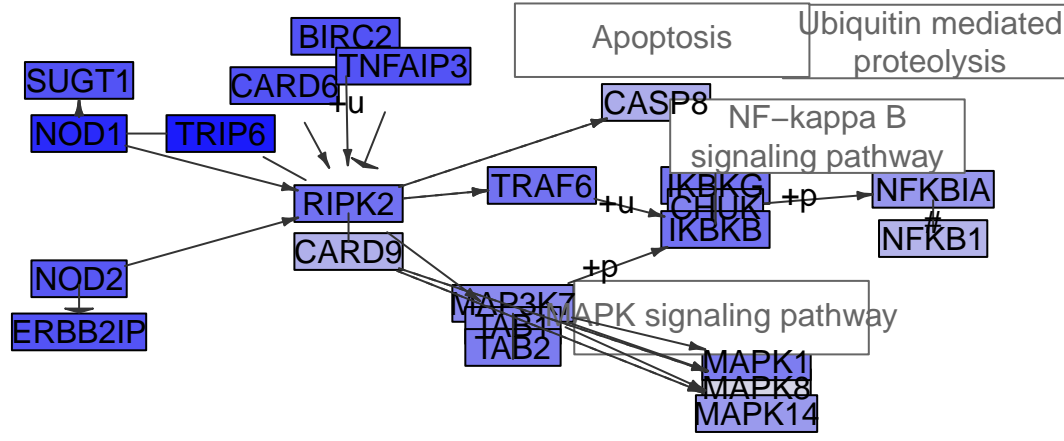
Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-241

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

K11031
K10948

NLRP1, PYCARD, CASP1
CASP5

PYDC1, MEFV, STPIP1
NLRP3, PYCARD, CASP1
CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18
NLRP4, PYCARD, CASP1

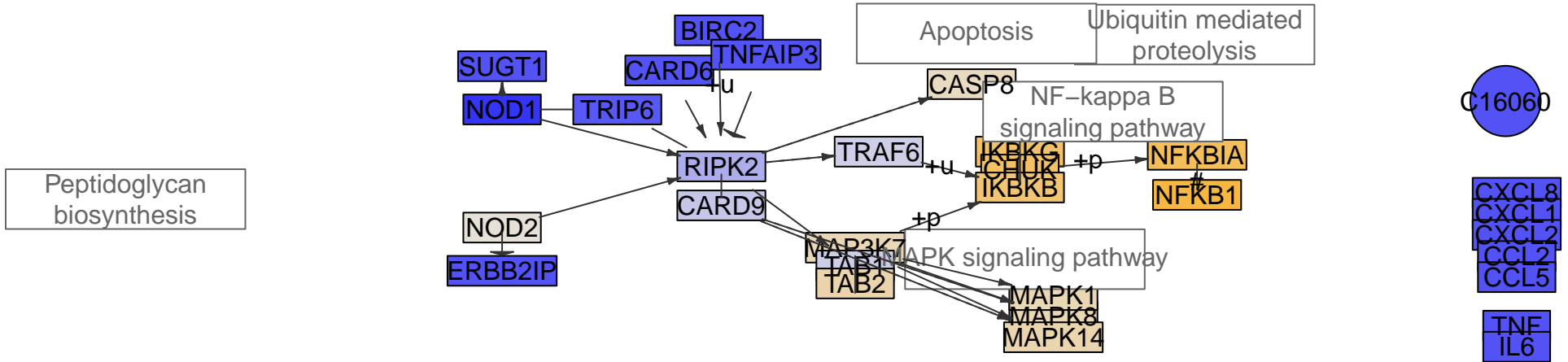
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-243



K08645...

K11031
K10948

NLRP3, CARD3, CASP1, CASP5

PYDC1, MEFV, STPIP1

NLRP3, CARD3, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18, NLRP4, CARD4, CASP1

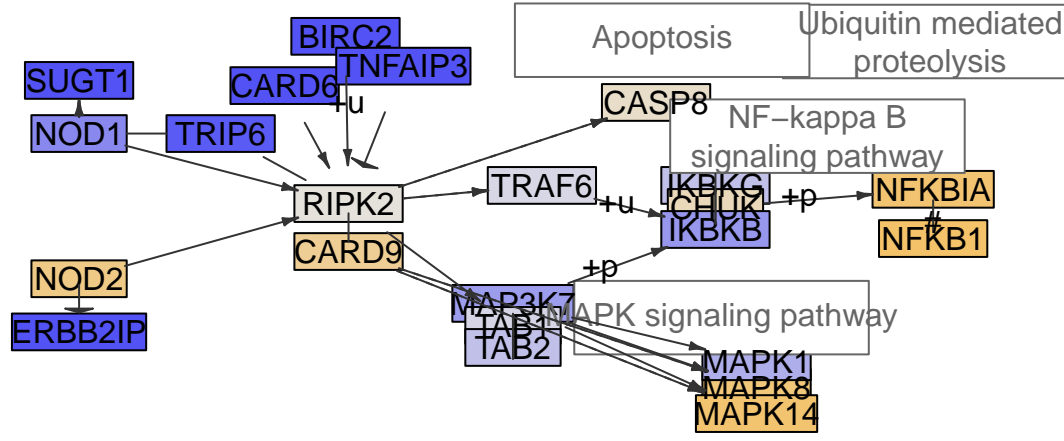
NLRP4, NAIP, CASP1

Flagellar assembly
Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-244

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1
CASP5

K11031
K10948

PYDC1, MEFV, STPIP1

NLRP3, PYCARD, CASP1
CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

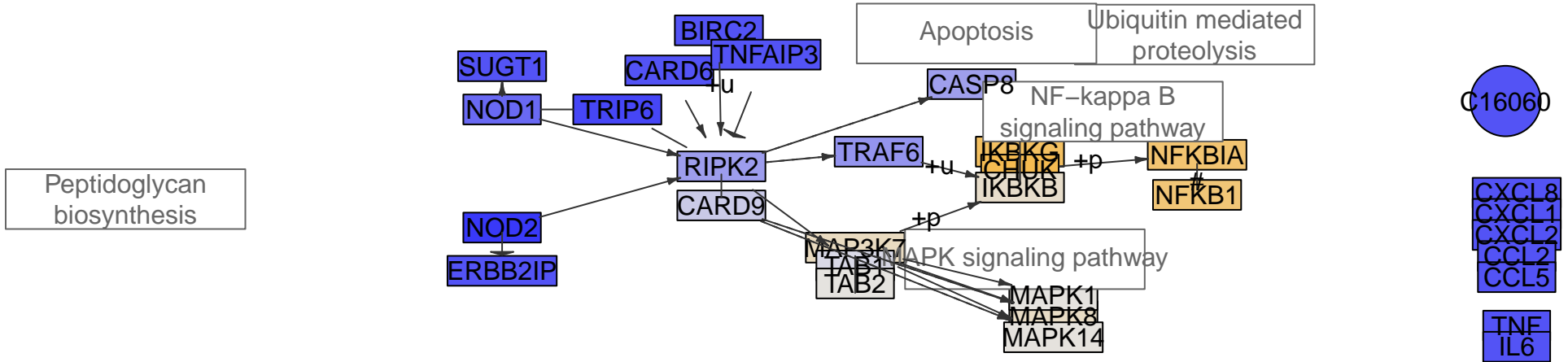
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NLRP4, NAIP, CASP1

NOD-like receptor signaling pathway
MPI-246



K08645...

K11031
K10948

NLRP1
PYCARD
CASP1
CASP5

PYDC1
MEFV
STPIP1

NLRP3
PYCARD
CASP1
CARD6
CASP1

SUGT1
P90AA1

IL1B
IL18

CARD18

NLRP4
PYCARD
CASP1

NLRP4
NAP
CASP1

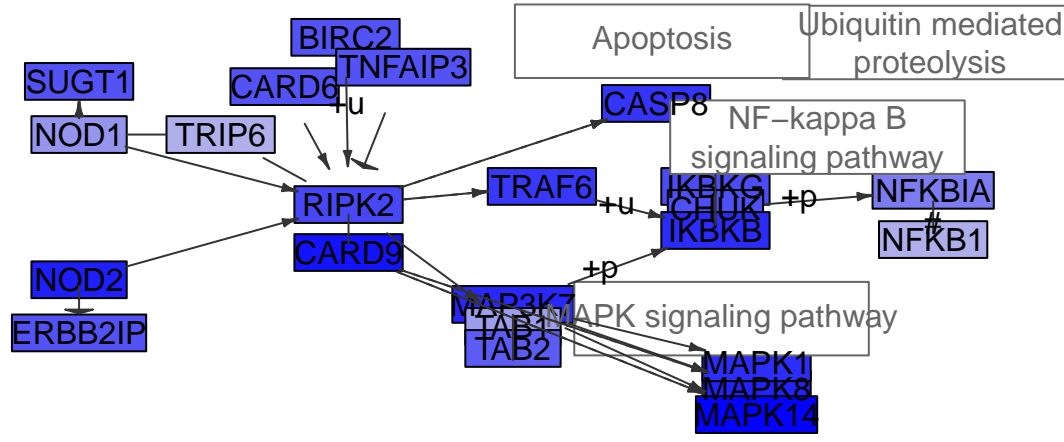
Flagellar assembly

Bacterial secretion system

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-247

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD3, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

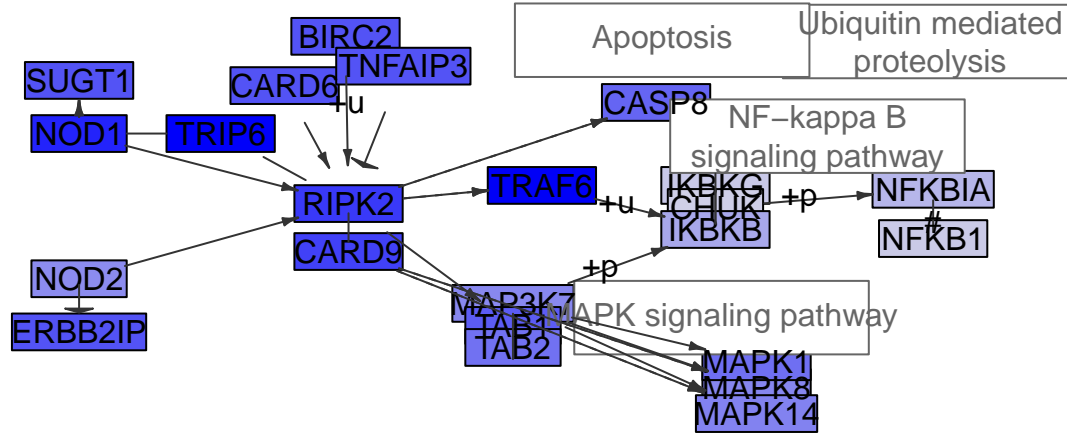
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-251

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1
CASP5

K11031
K10948

PYDC1, MEF2, STPIP1
NLRP3, PYCARD, CASP1
CARD6, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

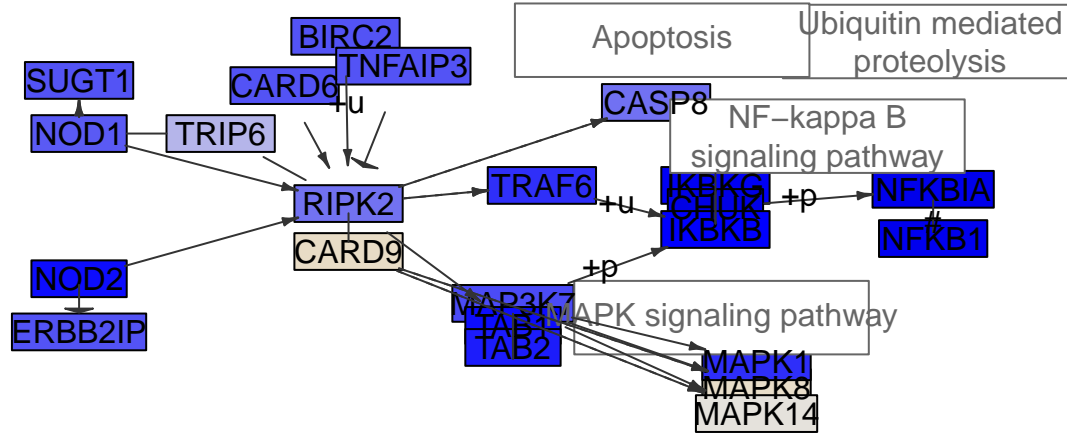
Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-255

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP3
PYCARD
CASP1
CASP5

K11031
K10948

PYDC1
MEF1
STPIP1
NLRP3
PYCARD
CASP1
CARD3
CASP1

SUGT1
SP90AA1

IL1B
IL18

Flagellar assembly

Bacterial secretion system

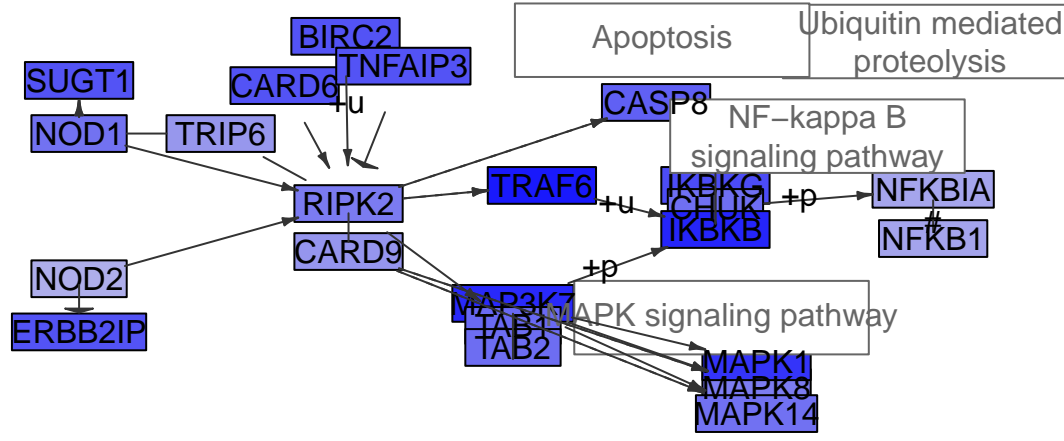
CARD18
NLRP4
PYCARD
CASP1

NLRP4
NAIP
CASP1

Toll-like receptor signaling pathway

NOD-like receptor signaling pathway
MPI-223b

Peptidoglycan biosynthesis



C16060

CXCL8
CXCL1
CXCL2
CCL2
CCL5

TNF
IL6

K08645...

NLRP1, PYCARD, CASP1, CASP5

K11031
K10948

PYDC1, MEFV, STPIP1, NLRP3, PYCARD, CASP1, CARD8, CASP1

SUGT1, SP90AA1

IL1B
IL18

CARD18

NLRP4, PYCARD, CASP1

Flagellar assembly

Bacterial secretion system

NLRP4, NAIP, CASP1

Toll-like receptor signaling pathway