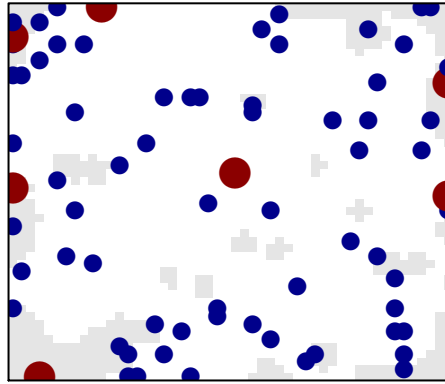


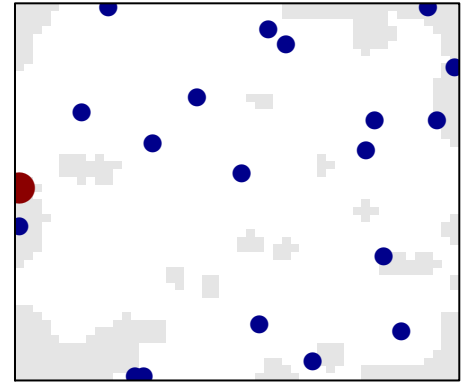
# mTOR signaling pathway

all genes

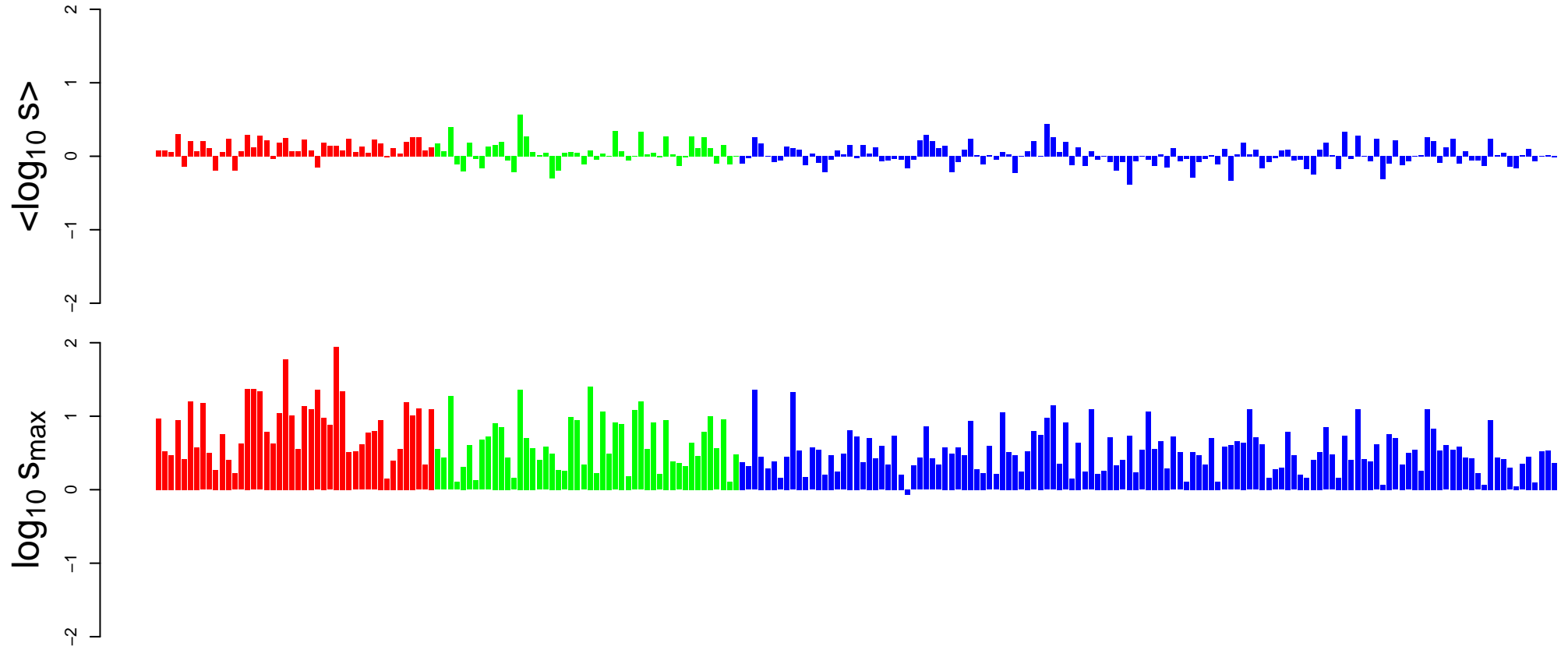


maximum = 2

sink node genes



maximum = 2



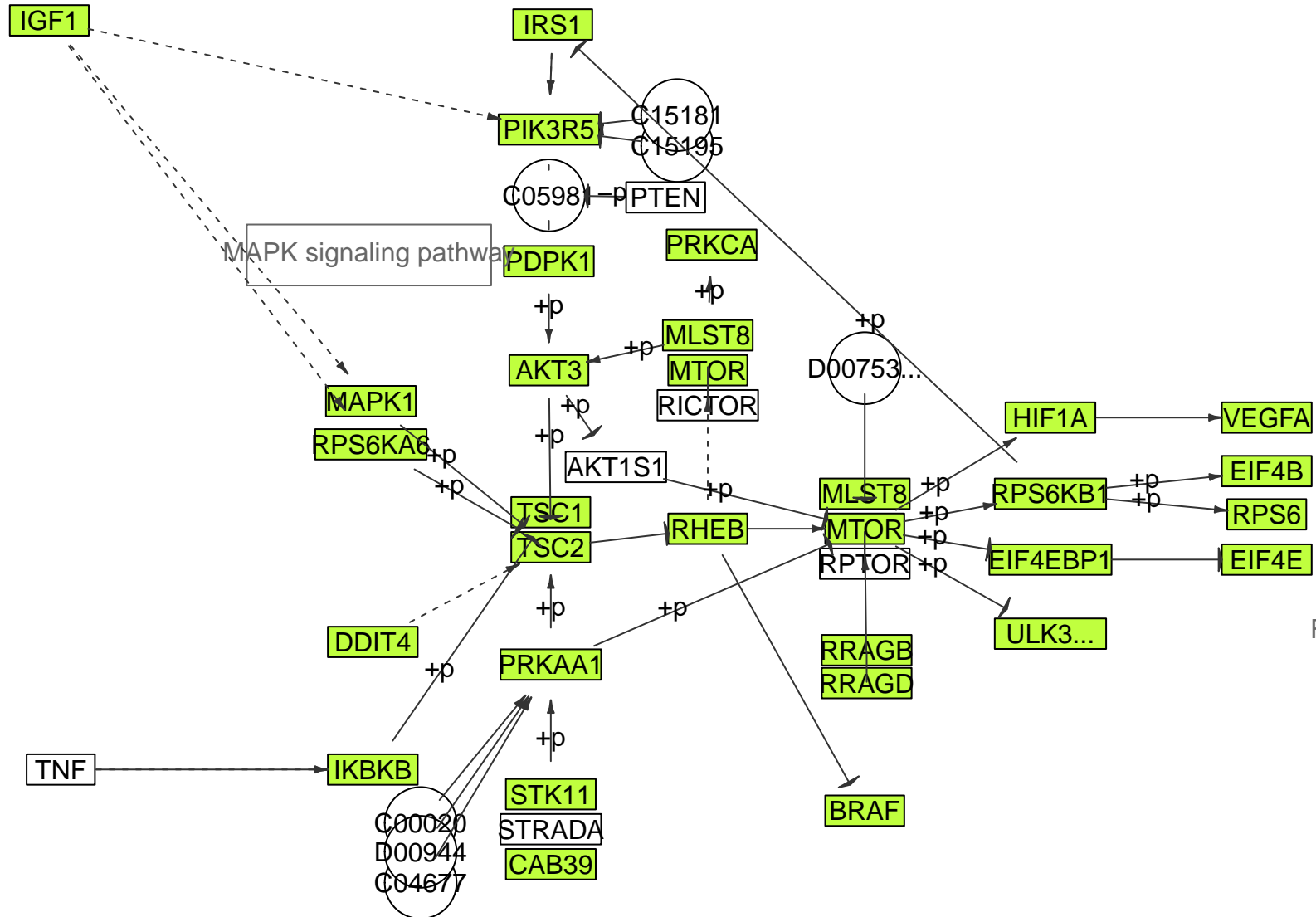
mTOR signaling pathway  
(genes with data)

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
(sink nodes)

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR

RICTOR

D00753...

MAPK1

RPS6KA6

AKT1S1

MLST8

MTOR

RPTOR

HIF1A

VEGFA

EIF4B

RPS6

EIF4E

TSC1

TSC2

RHEB

MLST8

MTOR

RPTOR

RPS6KB1

EIF4EBP1

ULK3...

DDIT4

PRKAA1

BRAF

TNF

IKBKB

C00020

D00944

C04677

STK11

STRADA

CAB39

mTOR signaling pathway  
MPI-001

Insulin signaling pathway

IGF1

IRS1

PIK3R5

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR

RICTOR

MAPK1

RPS6KA6

TSC1

TSC2

AKT1S1

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

EIF4B

RPS6

RPS6KB1

EIF4EBP1

EIF4E

ULK3...

DDIT4

PRKAA1

RRAGB

RRAGD

BRAF

TNF

IKBKB

STK11

STRADA

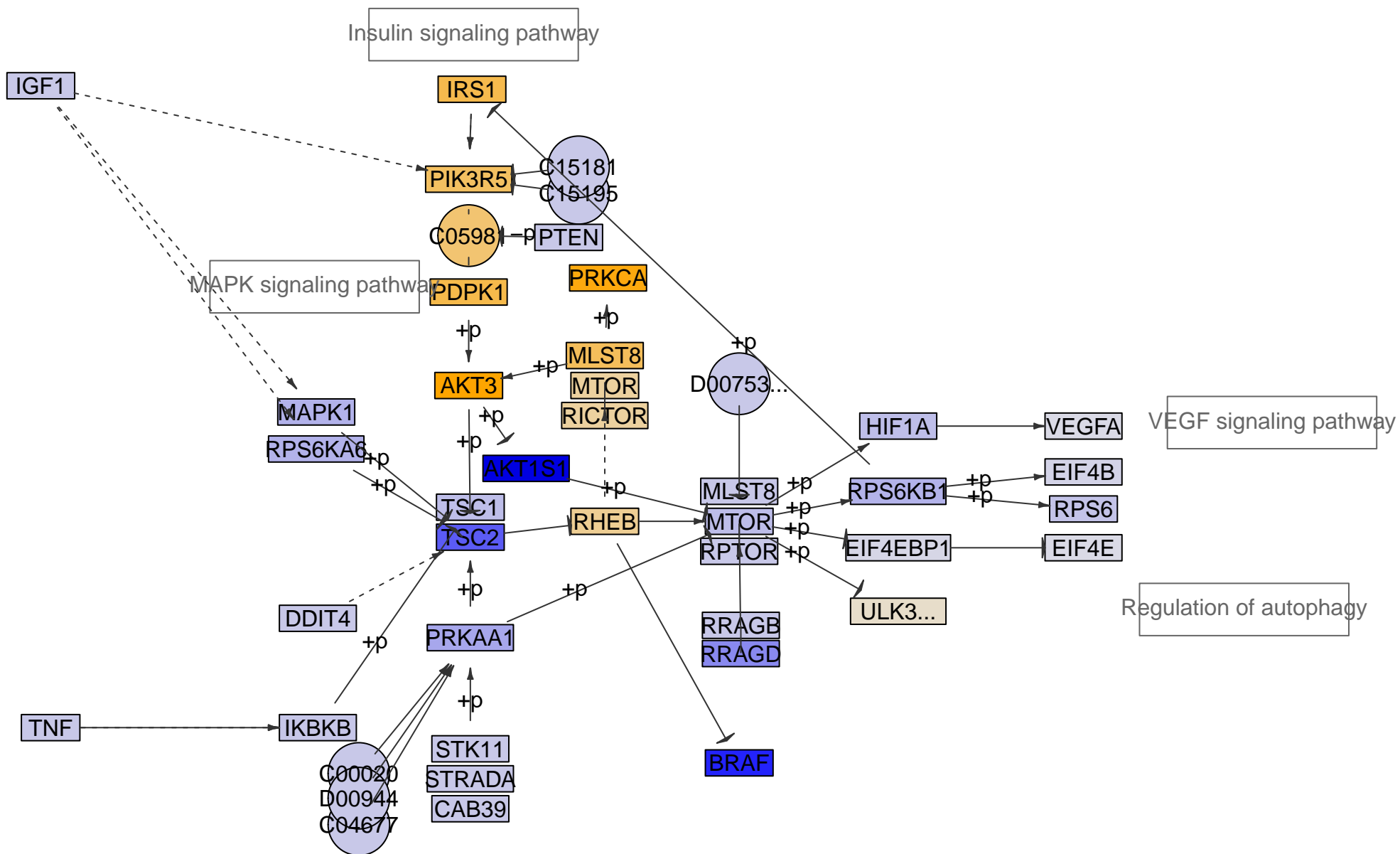
CAB39

C00020  
D00944  
C04677

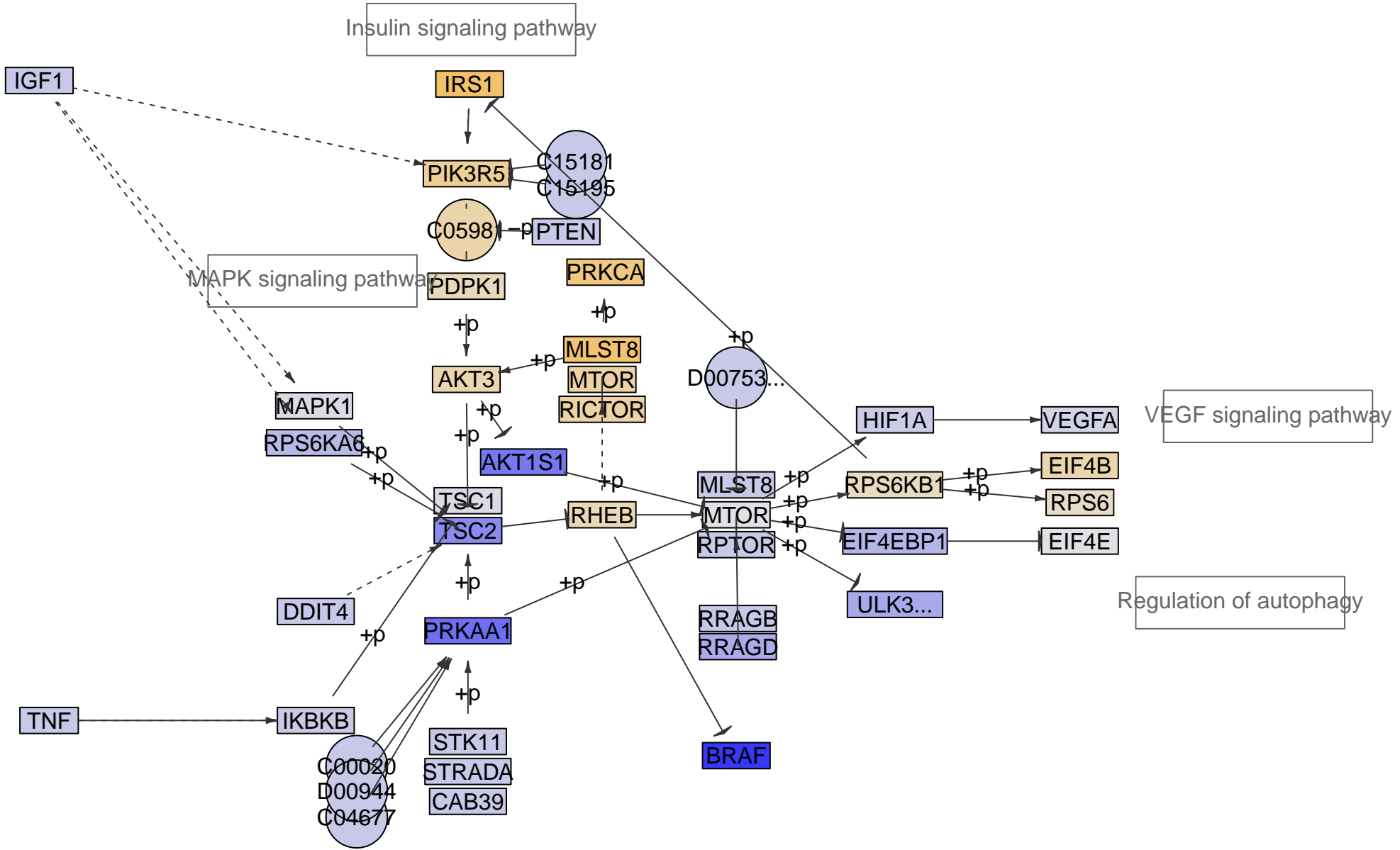
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-002



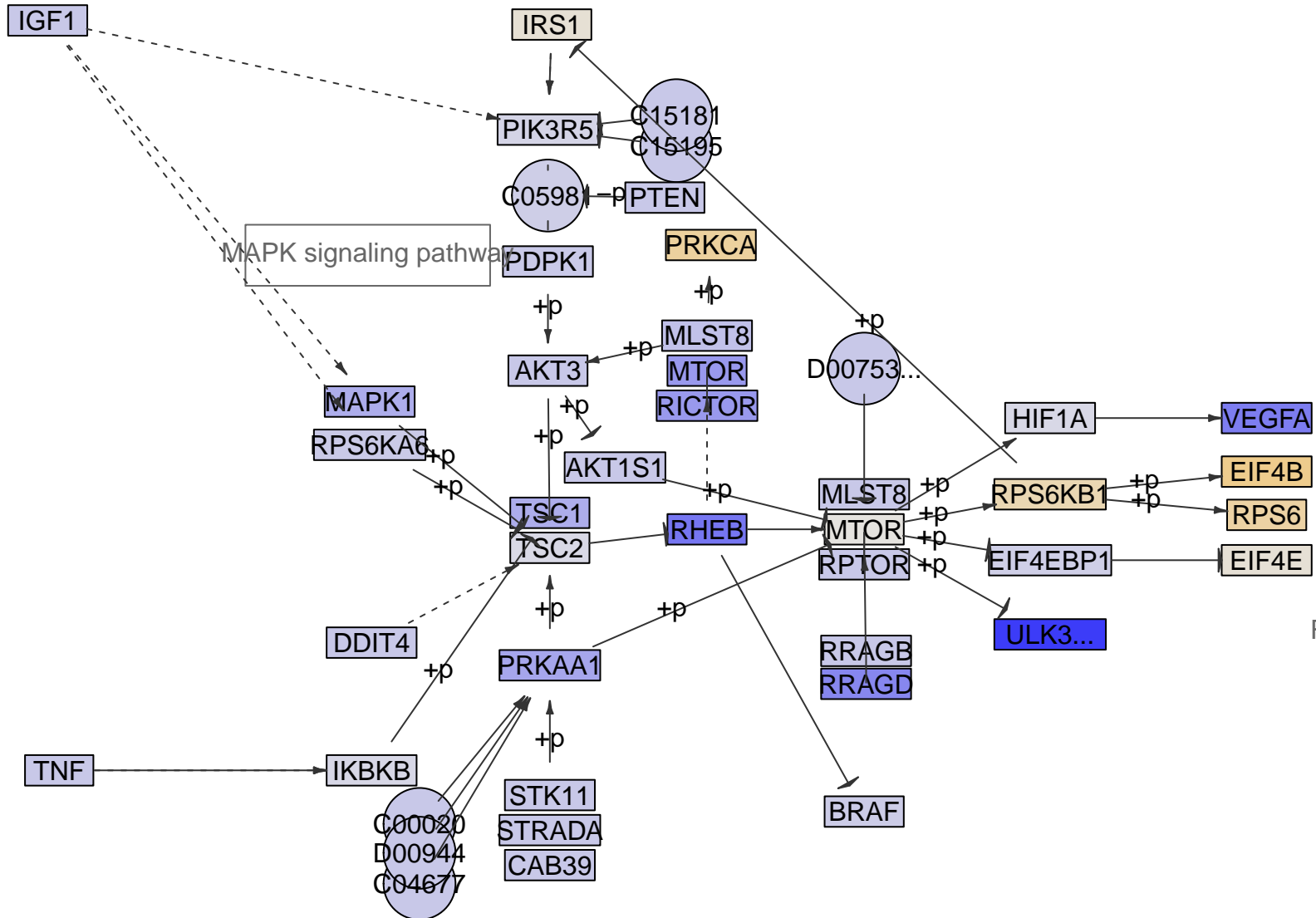
mTOR signaling pathway  
MPI-003

Insulin signaling pathway

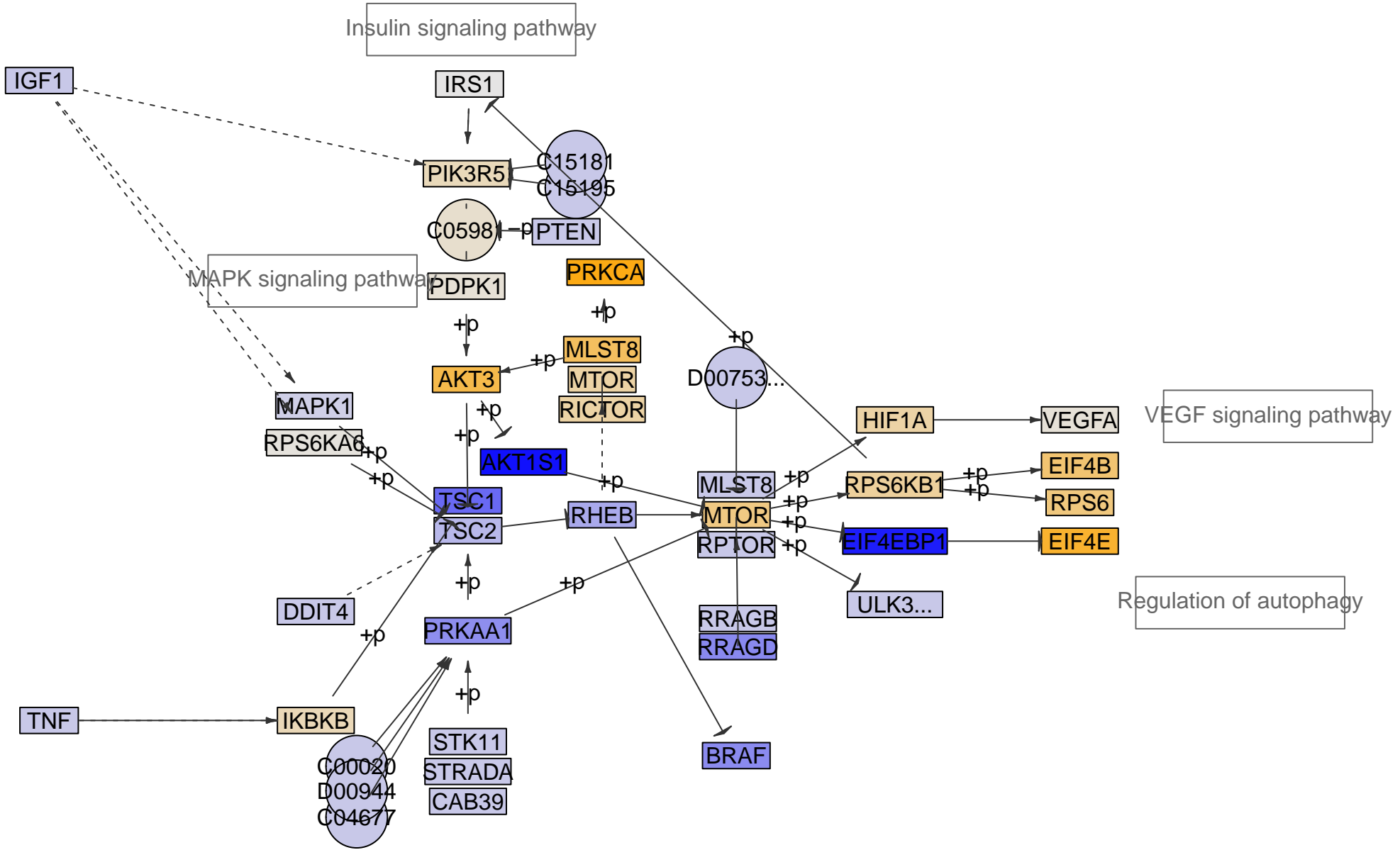
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-005



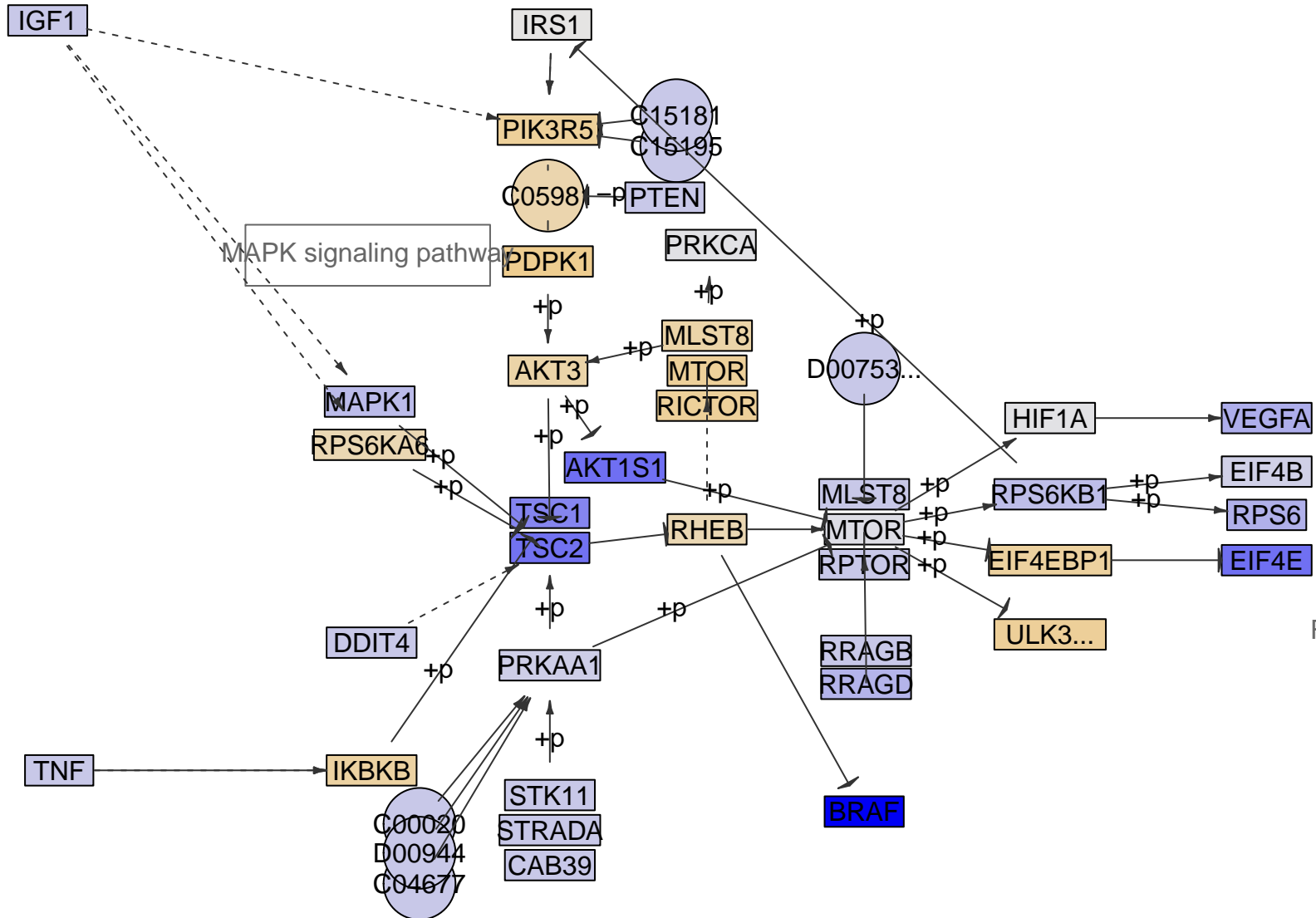
mTOR signaling pathway  
MPI-006

Insulin signaling pathway

MAPK signaling pathway

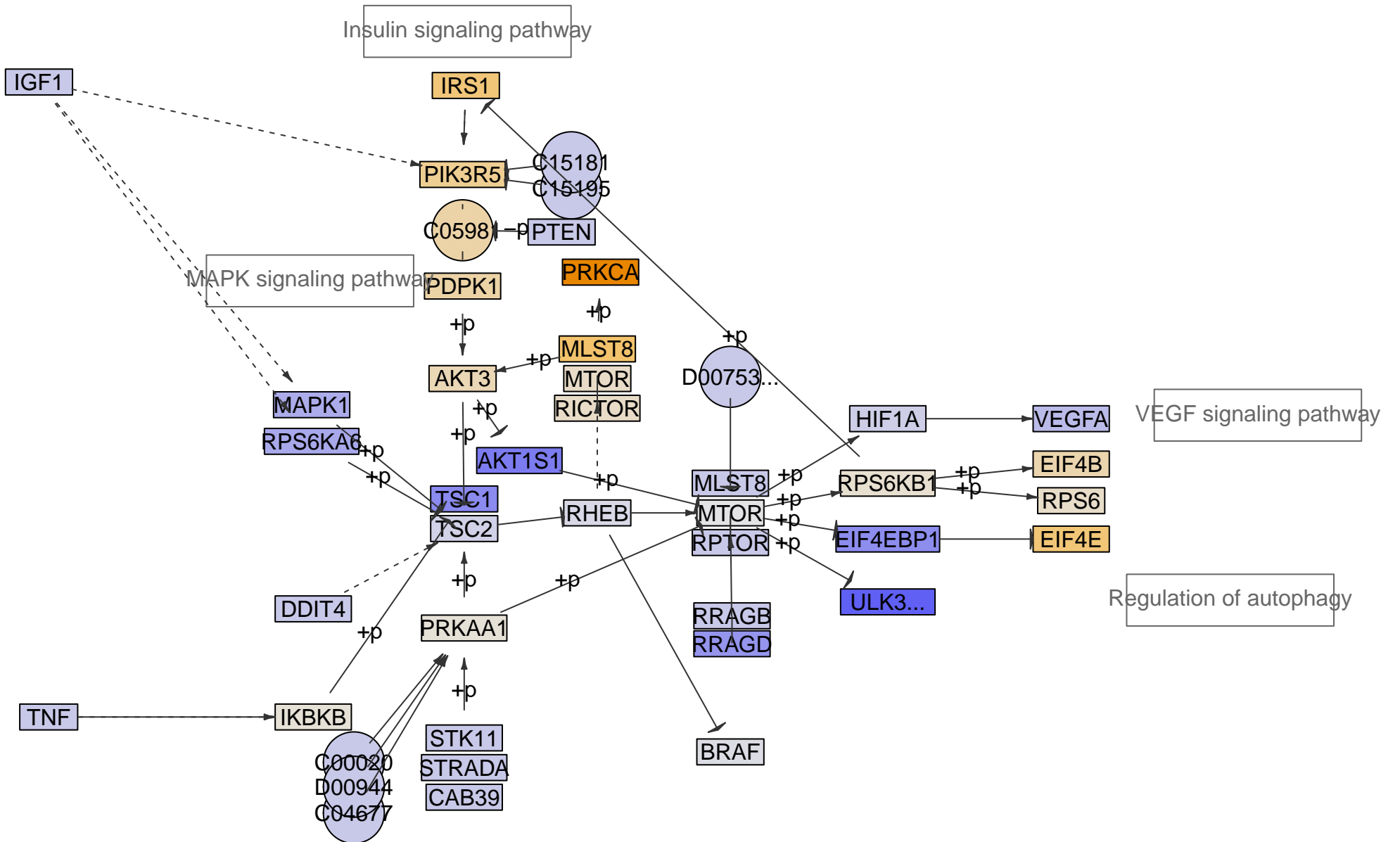
VEGF signaling pathway

Regulation of autophagy





mTOR signaling pathway  
MPI-016



mTOR signaling pathway  
MPI-017

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

MAPK1

RPS6KA6

TSC1

TSC2

DDIT4

PRKAA1

TNF

IKBKB

C00020  
D00944  
C04677

STK11

STRADA

CAB39

MLST8

MTOR

RICTOR

AKT3

AKT1S1

RHEB

D00753...

MLST8

MTOR

RPTOR

RRAGB  
RRAGD

BRAF

HIF1A

VEGFA

RPS6KB1

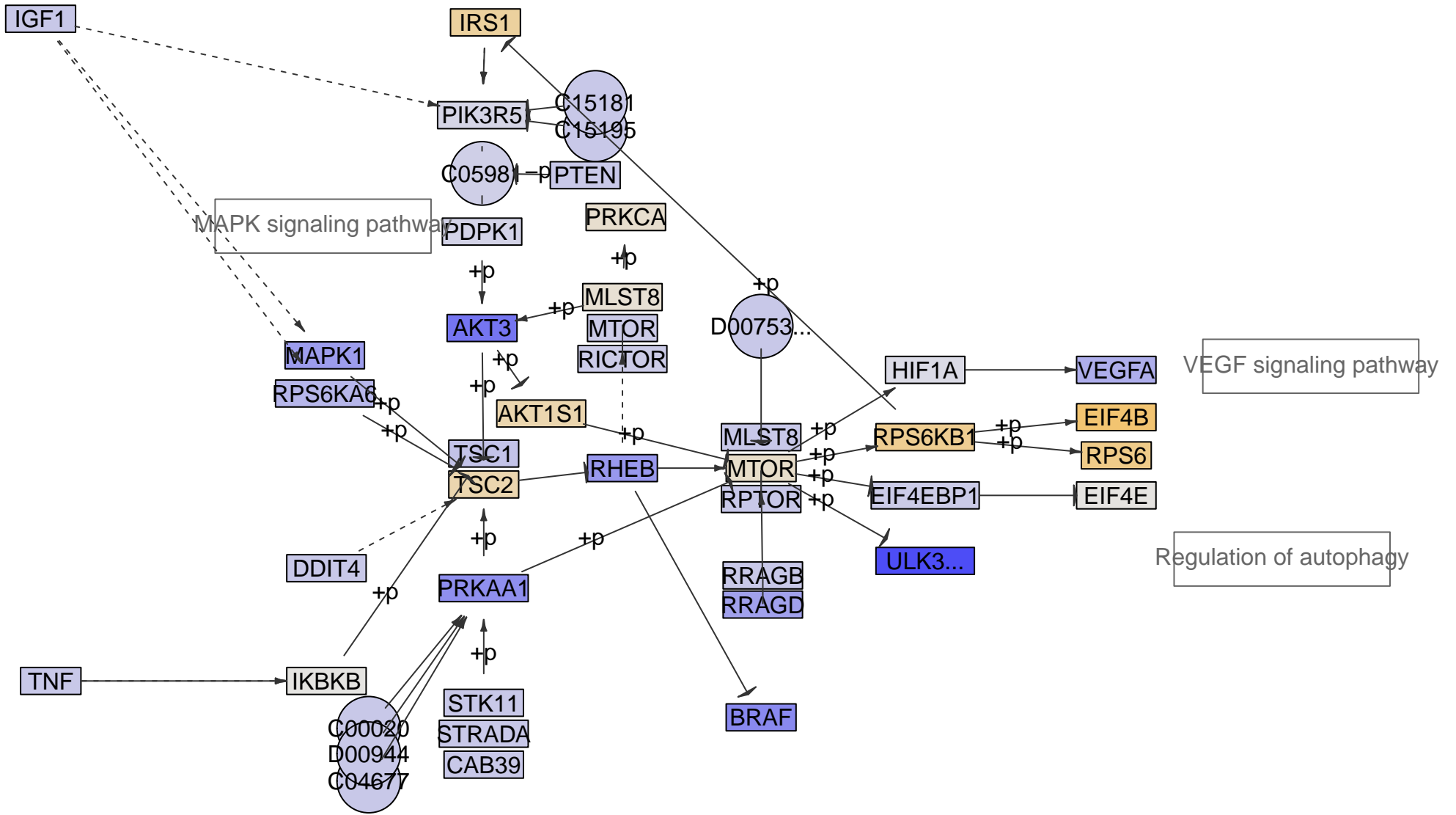
EIF4B

RPS6

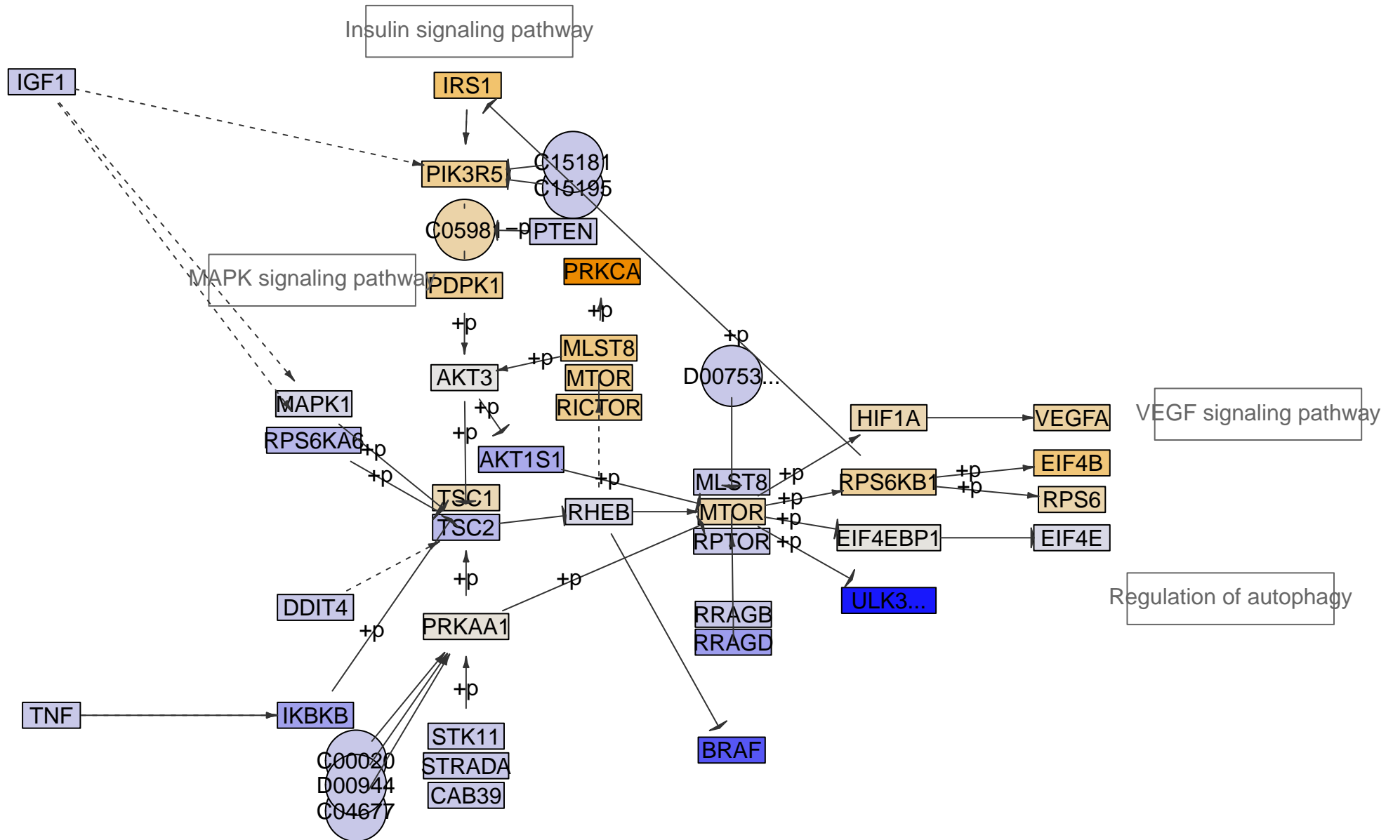
EIF4EBP1

EIF4E

ULK3...



mTOR signaling pathway  
MPI-018



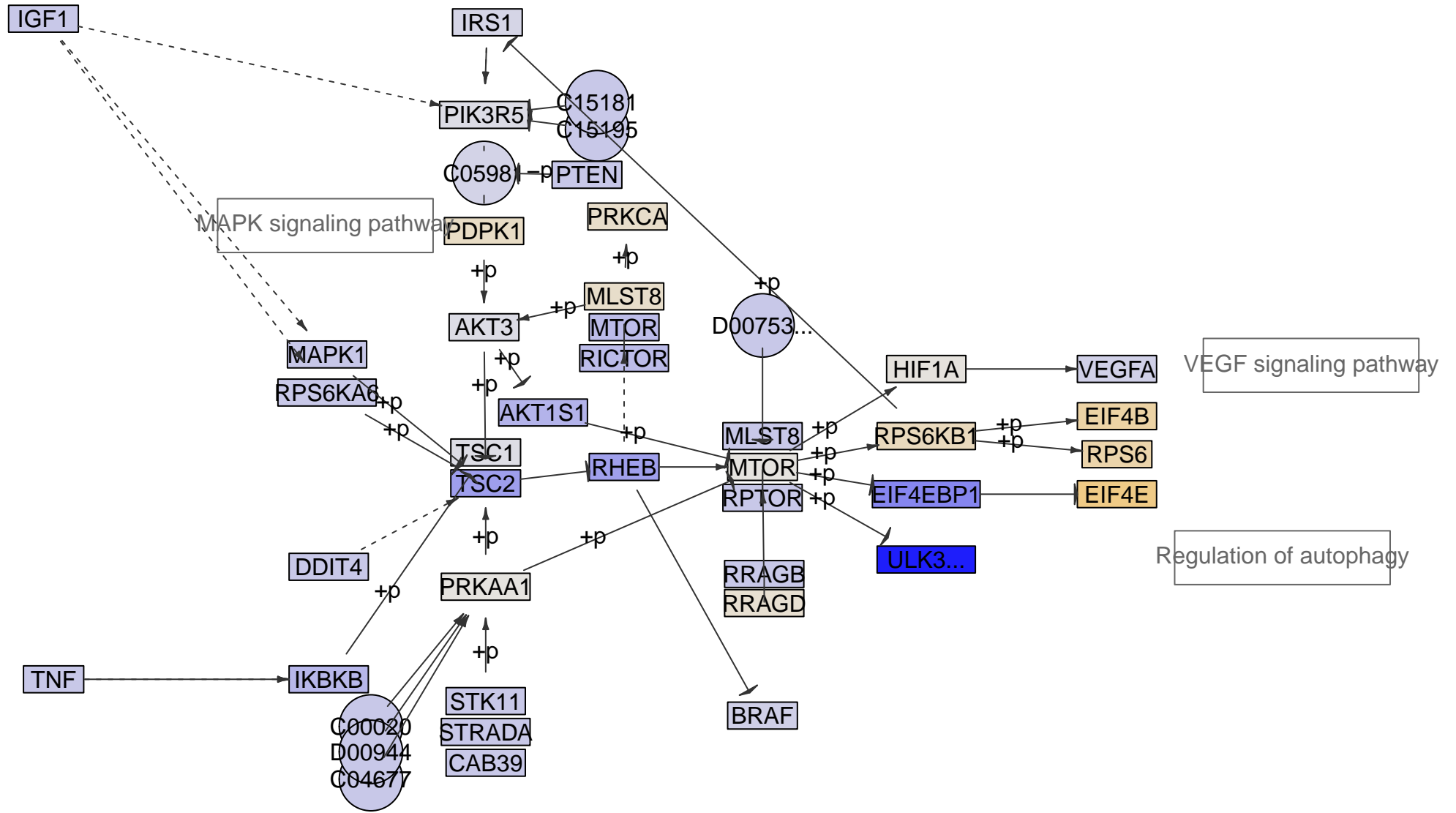
mTOR signaling pathway  
MPI-027

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-028

Insulin signaling pathway

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

MAPK signaling pathway

MAPK1

RPS6KA6

AKT3

MLST8

MTOR

RICTOR

AKT1S1

RHEB

D00753...

HIF1A

VEGFA

VEGF signaling pathway

EIF4B

RPS6KB1

RPS6

Regulation of autophagy

EIF4EBP1

EIF4E

ULK3...

TSC1

TSC2

MLST8

MTOR

RPTOR

RRAGB  
RRAGD

BRAF

DDIT4

PRKAA1

C00020  
D00944  
C04677

STK11

STRADA

CAB39

TNF

IKBKB

PRKAA1

STK11

STRADA

CAB39

PRKAA1

STK11

STRADA

CAB39

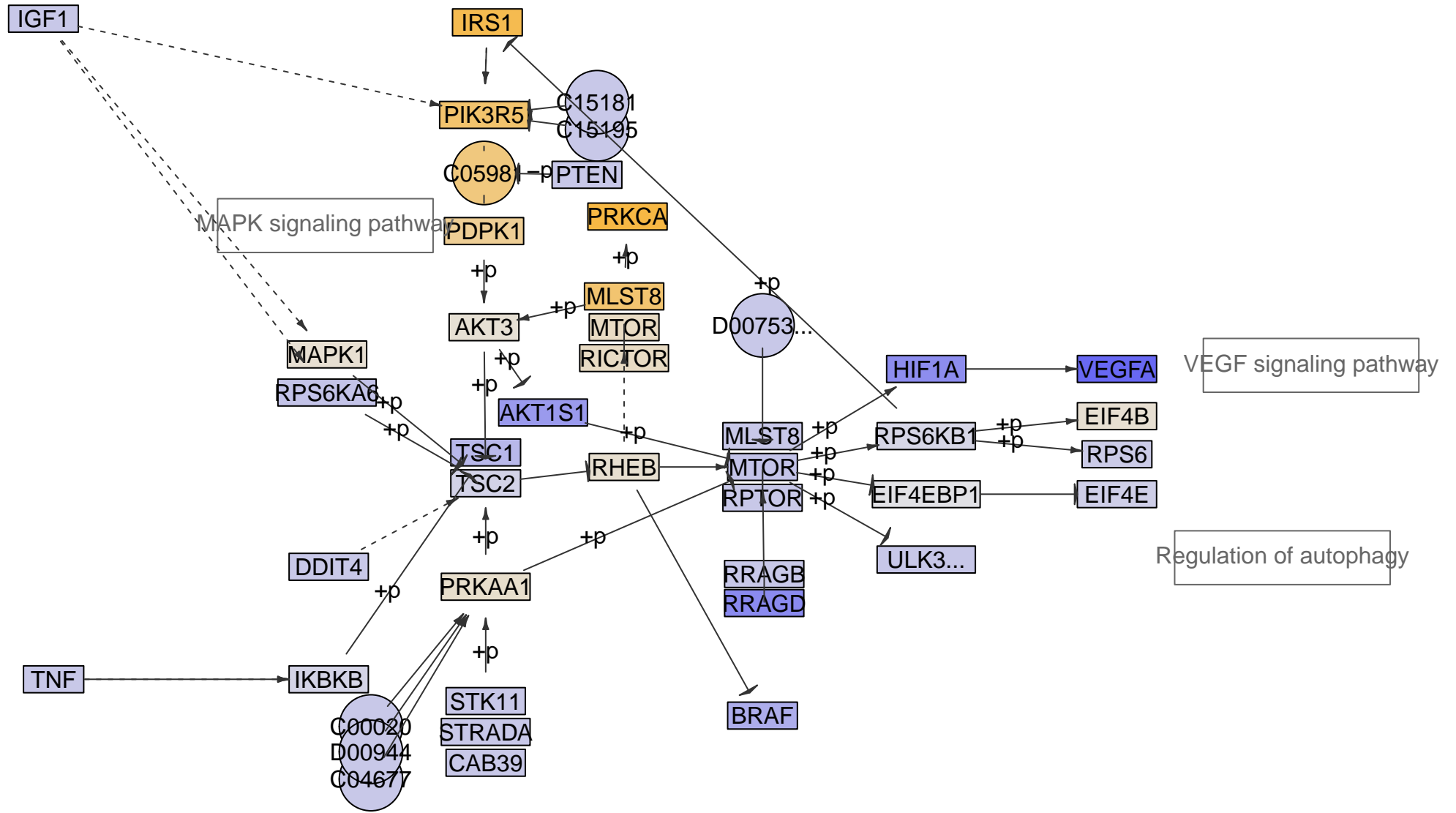
mTOR signaling pathway  
MPI-032

Insulin signaling pathway

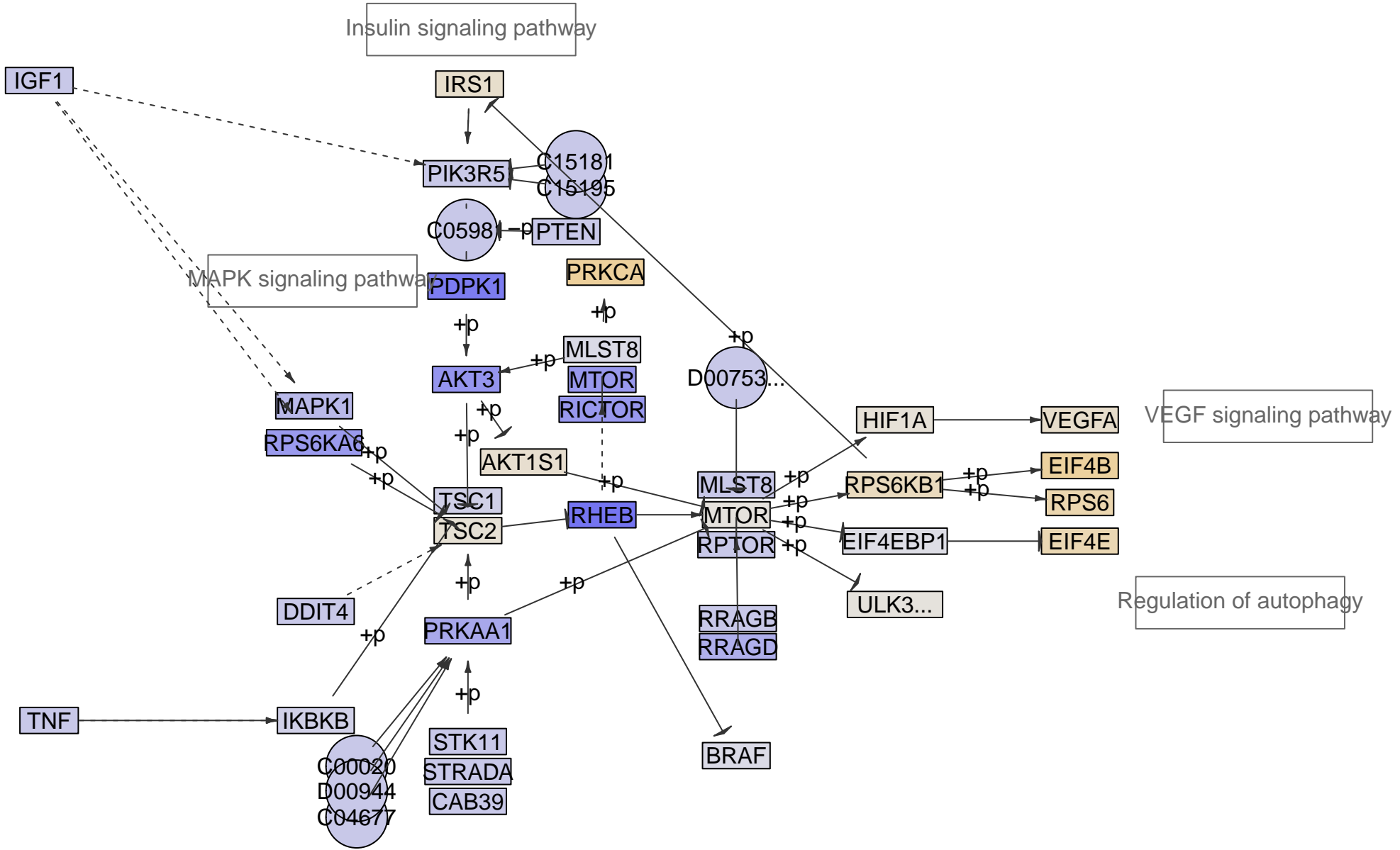
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-033



mTOR signaling pathway  
MPI-034

Insulin signaling pathway

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

MAPK signaling pathway

MAPK1

RPS6KA6

AKT3

TSC1

TSC2

DDIT4

PRKAA1

TNF

IKBKB

C00020

D00944

C04677

STK11

STRADA

CAB39

MLST8

MTOR

RICTOR

AKT1S1

RHEB

D00753...

MLST8

MTOR

RPTOR

RRAGB

RRAGD

BRAF

HIF1A

VEGFA

VEGF signaling pathway

RPS6KB1

EIF4B

EIF4EBP1

RPS6

ULK3...

EIF4E

Regulation of autophagy



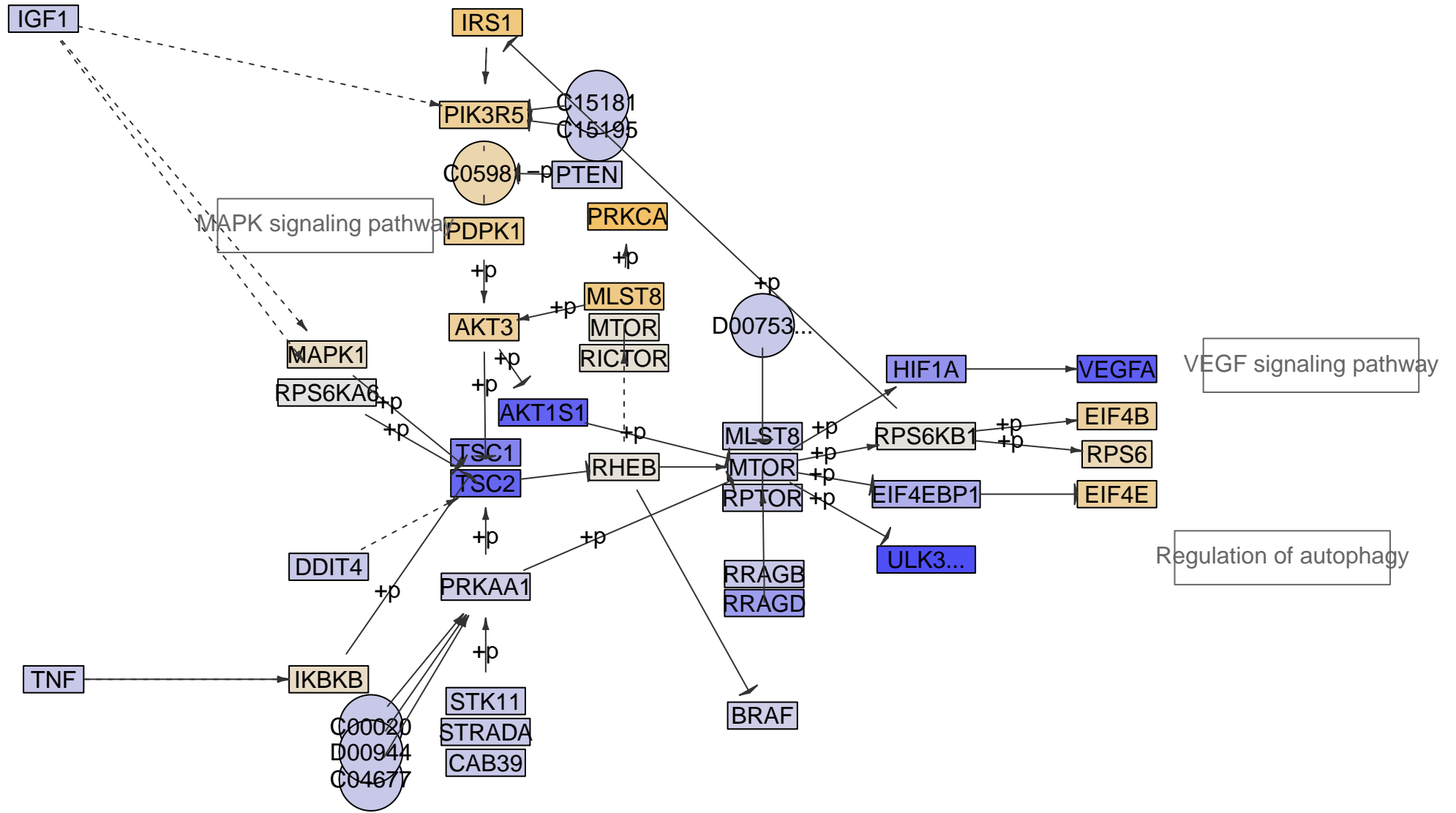
mTOR signaling pathway  
MPI-043

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-044

Insulin signaling pathway

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

+p

+p

AKT3

+p

MLST8

MTOR

RICTOR

D00753...

MAPK signaling pathway

MAPK1

RPS6KA6

+p

+p

AKT1S1

+p

+p

TSC1

TSC2

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

VEGF signaling pathway

+p

+p

+p

EIF4B

RPS6

EIF4EBP1

EIF4E

Regulation of autophagy

ULK3...

DDIT4

+p

+p

PRKAA1

+p

RRAGB

RRAGD

BRAF

TNF

IKBKB

C00020

D00944

C04677

STK11

STRADA

CAB39

+p

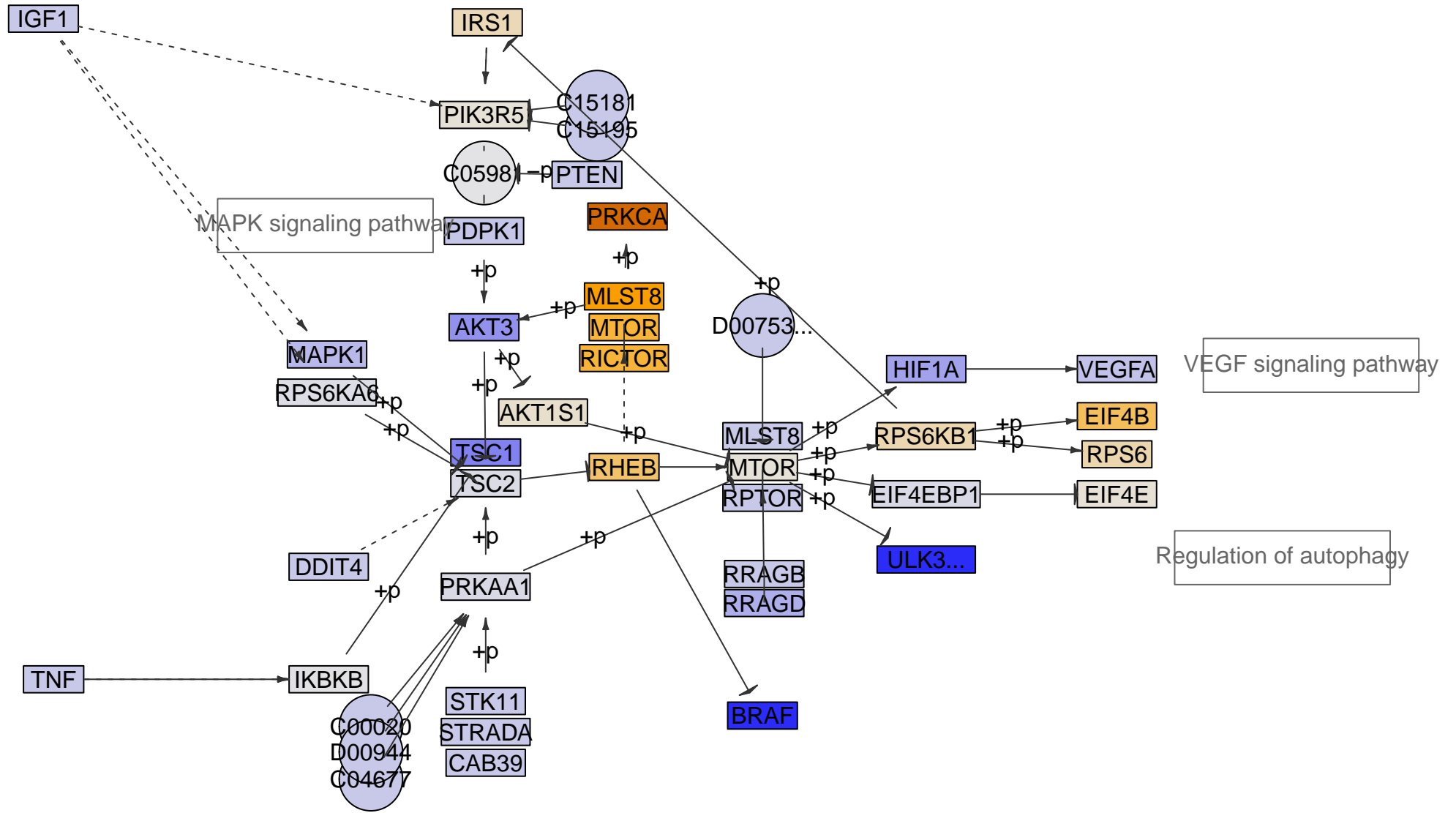
mTOR signaling pathway  
MPI-048

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-055

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

+p

AKT3

MLST8

MTOR

RICTOR

+p

D00753...

MAPK1

RPS6KA6

TSC1

TSC2

AKT1S1

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

EIF4B

RPS6

RPS6KB1

EIF4EBP1

EIF4E

ULK3...

DDIT4

PRKAA1

RRAGB

RRAGD

BRAF

TNF

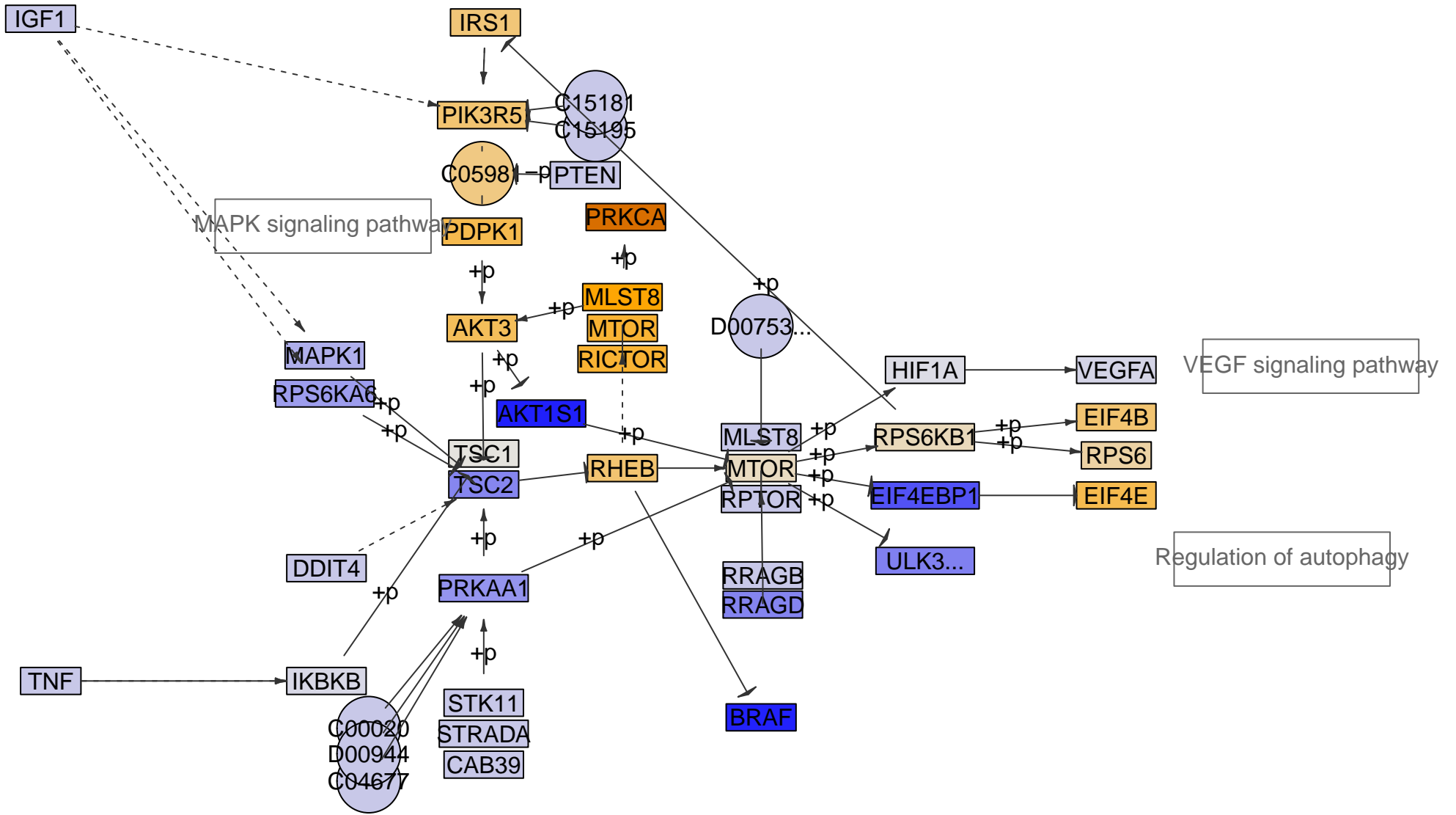
IKBKB

C00020  
D00944  
C04677

STK11

STRADA

CAB39



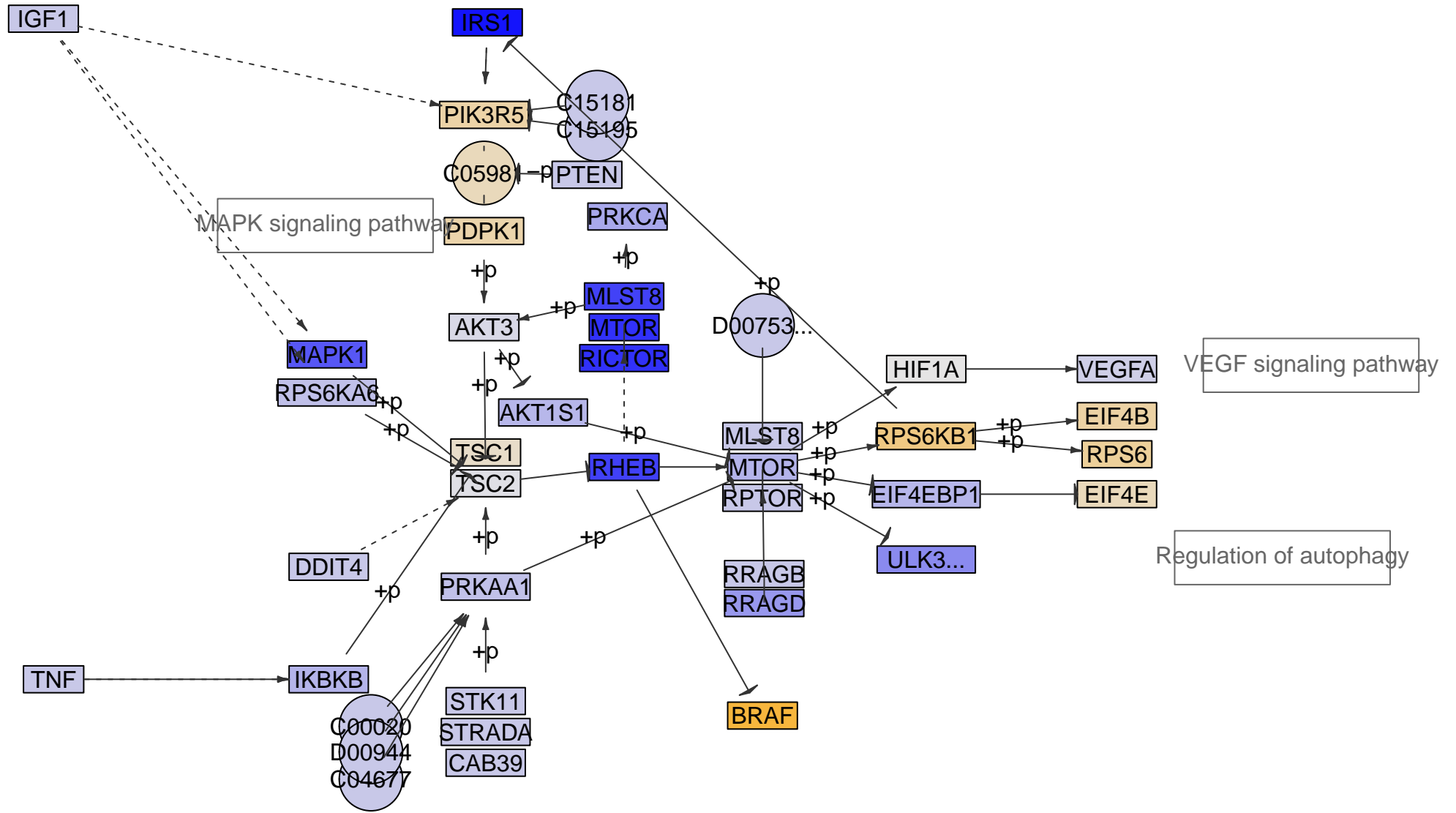
mTOR signaling pathway  
MPI-065

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-071

Insulin signaling pathway

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR

RICTOR

D00753...

MAPK1

RPS6KA6

HIF1A

VEGFA

VEGF signaling pathway

TSC1

TSC2

AKT1S1

RHEB

MLST8

MTOR

RPTOR

RPS6KB1

EIF4B

RPS6

EIF4EBP1

EIF4E

ULK3...

Regulation of autophagy

DDIT4

PRKAA1

RRAGB

RRAGD

BRAF

TNF

IKBKB

C00020

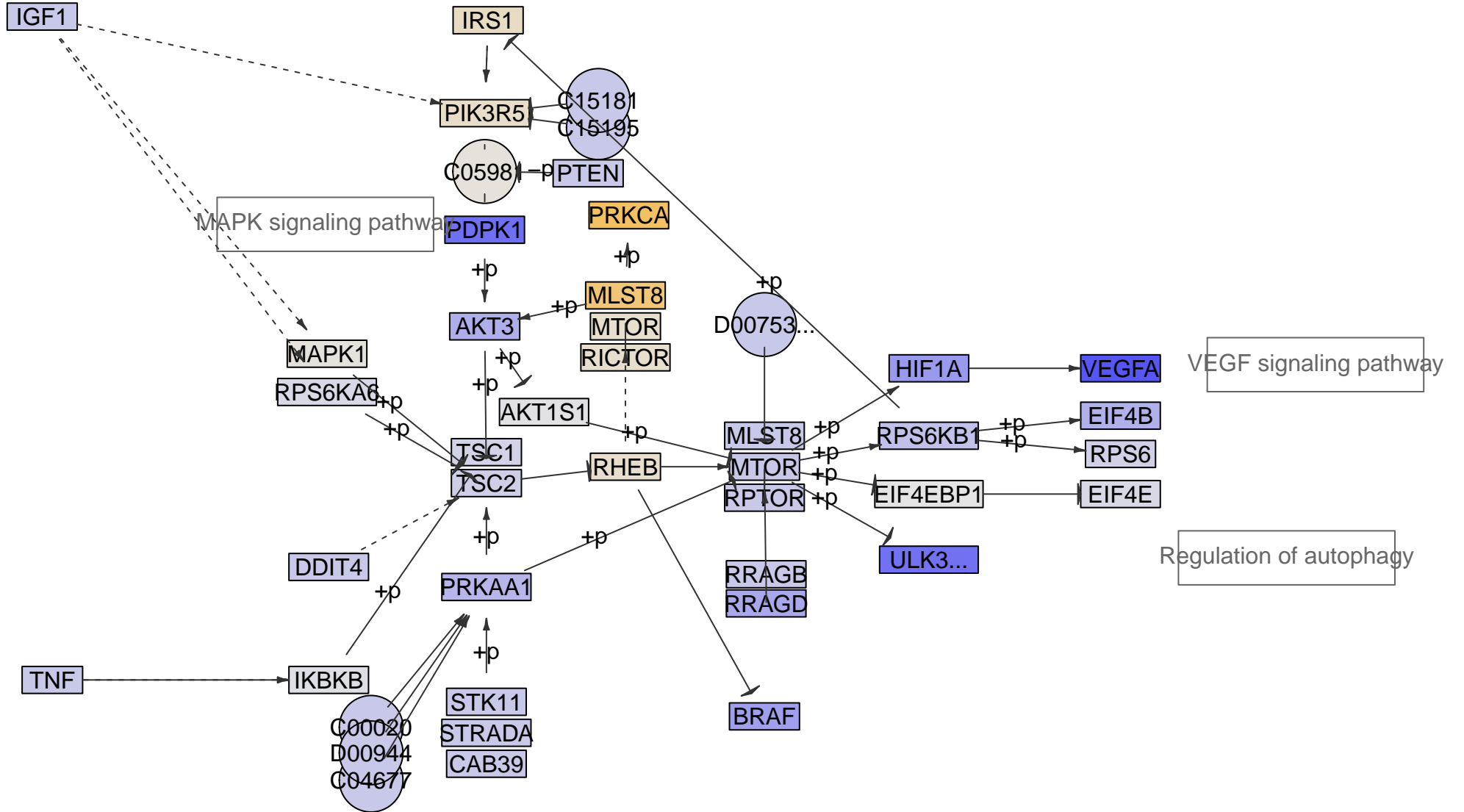
D00944

C04677

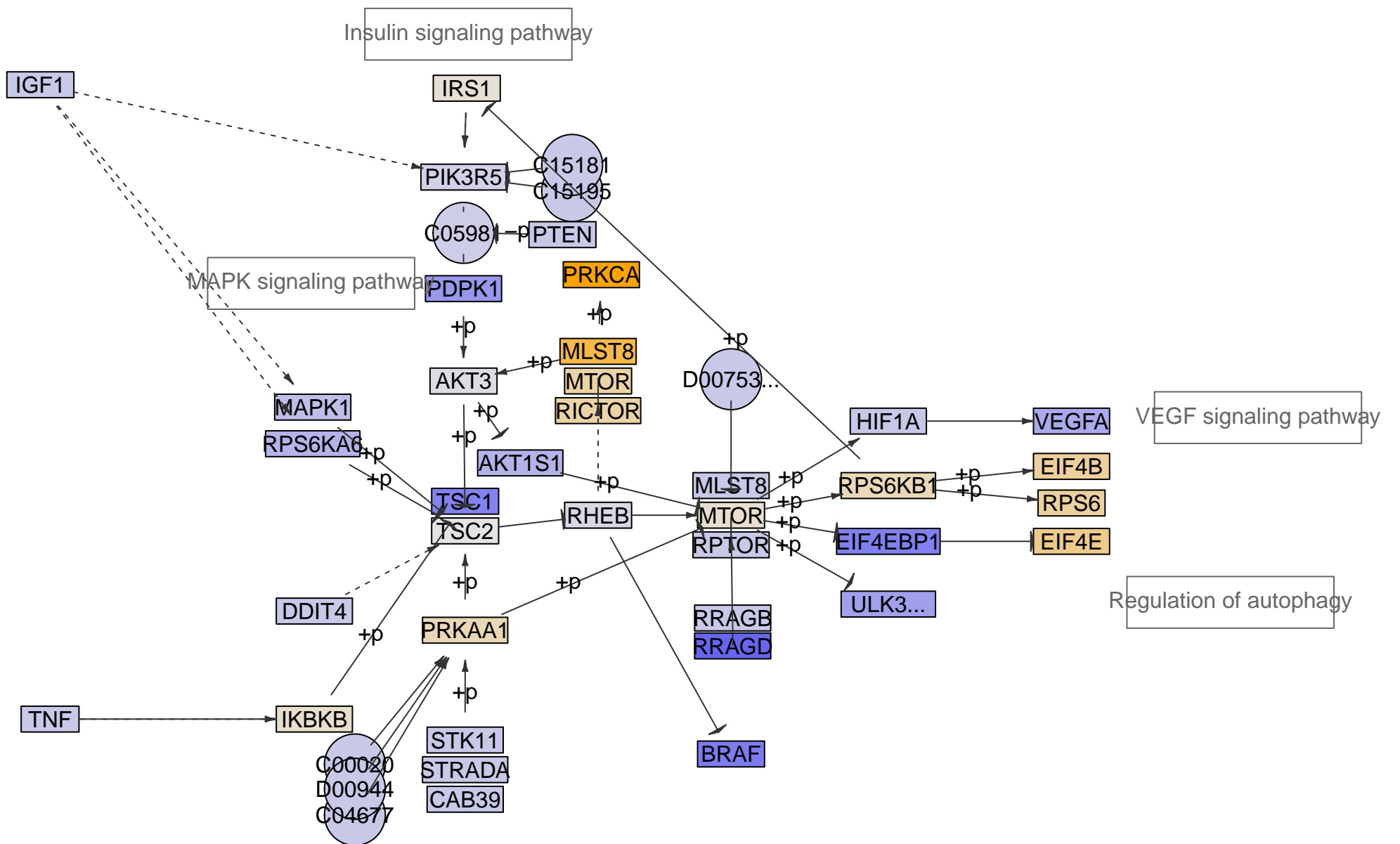
STK11

STRADA

CAB39



mTOR signaling pathway  
MPI-075



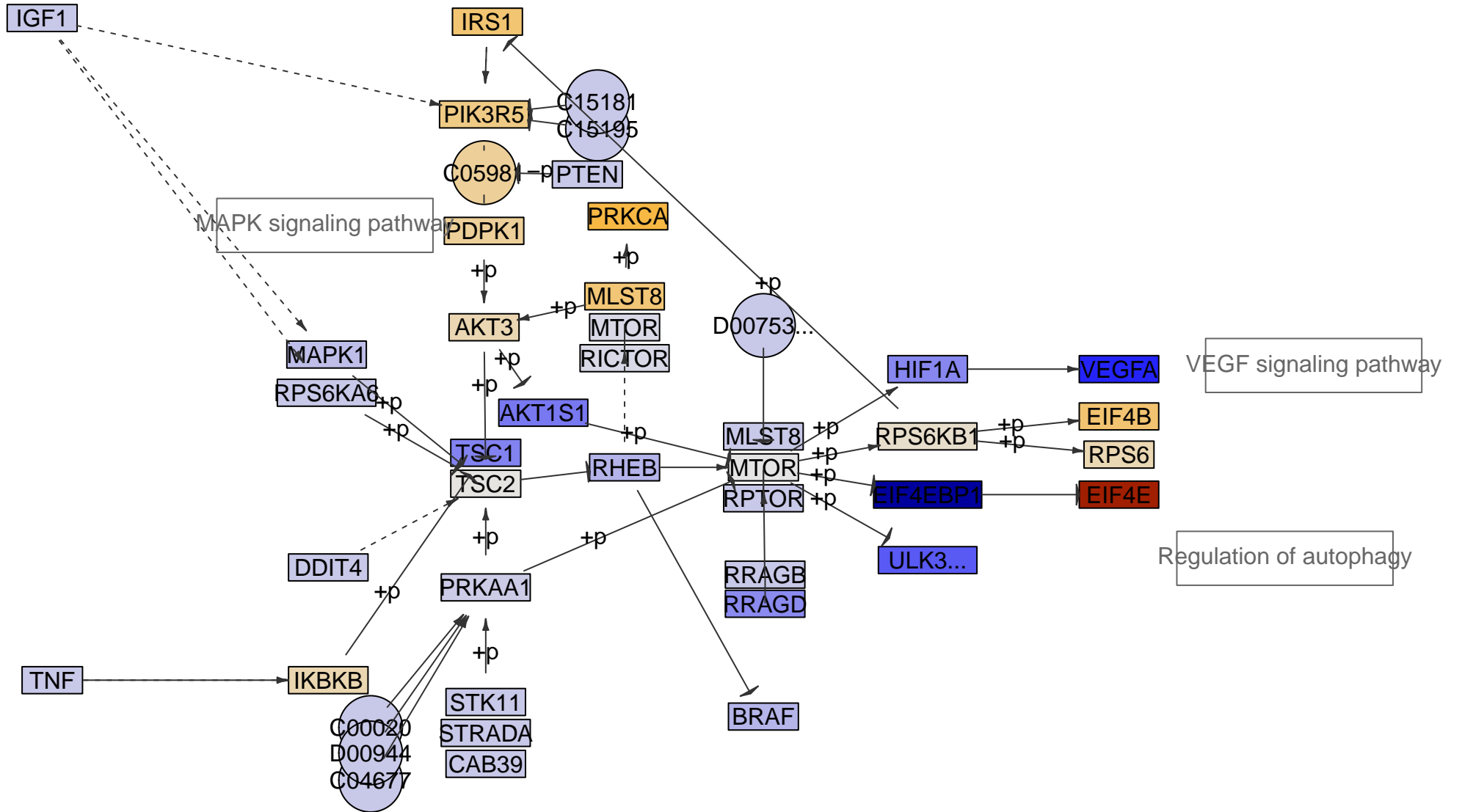
mTOR signaling pathway  
MPI-077

Insulin signaling pathway

MAPK signaling pathway

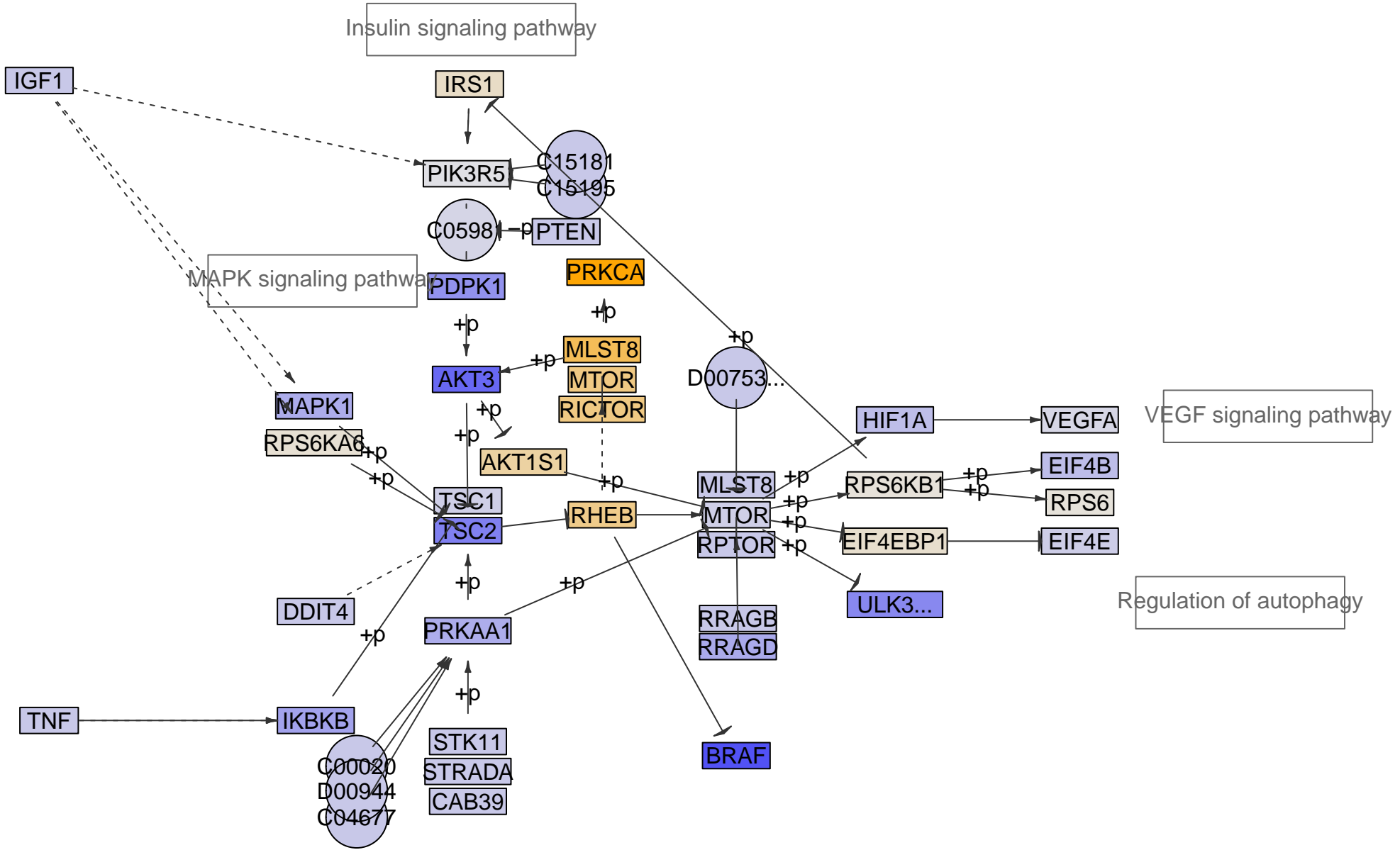
VEGF signaling pathway

Regulation of autophagy





mTOR signaling pathway  
MPI-078



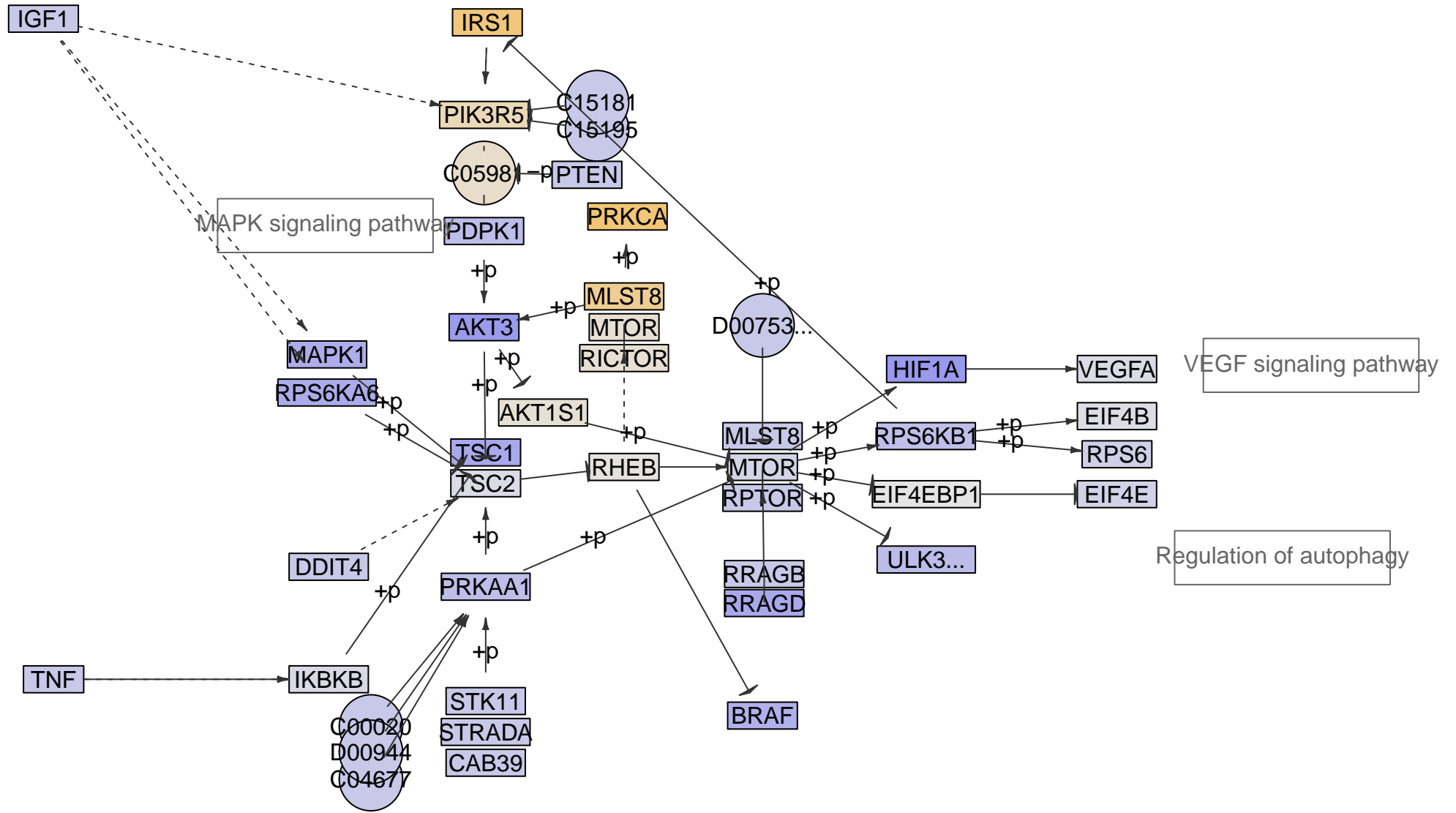
mTOR signaling pathway  
MPI-079

Insulin signaling pathway

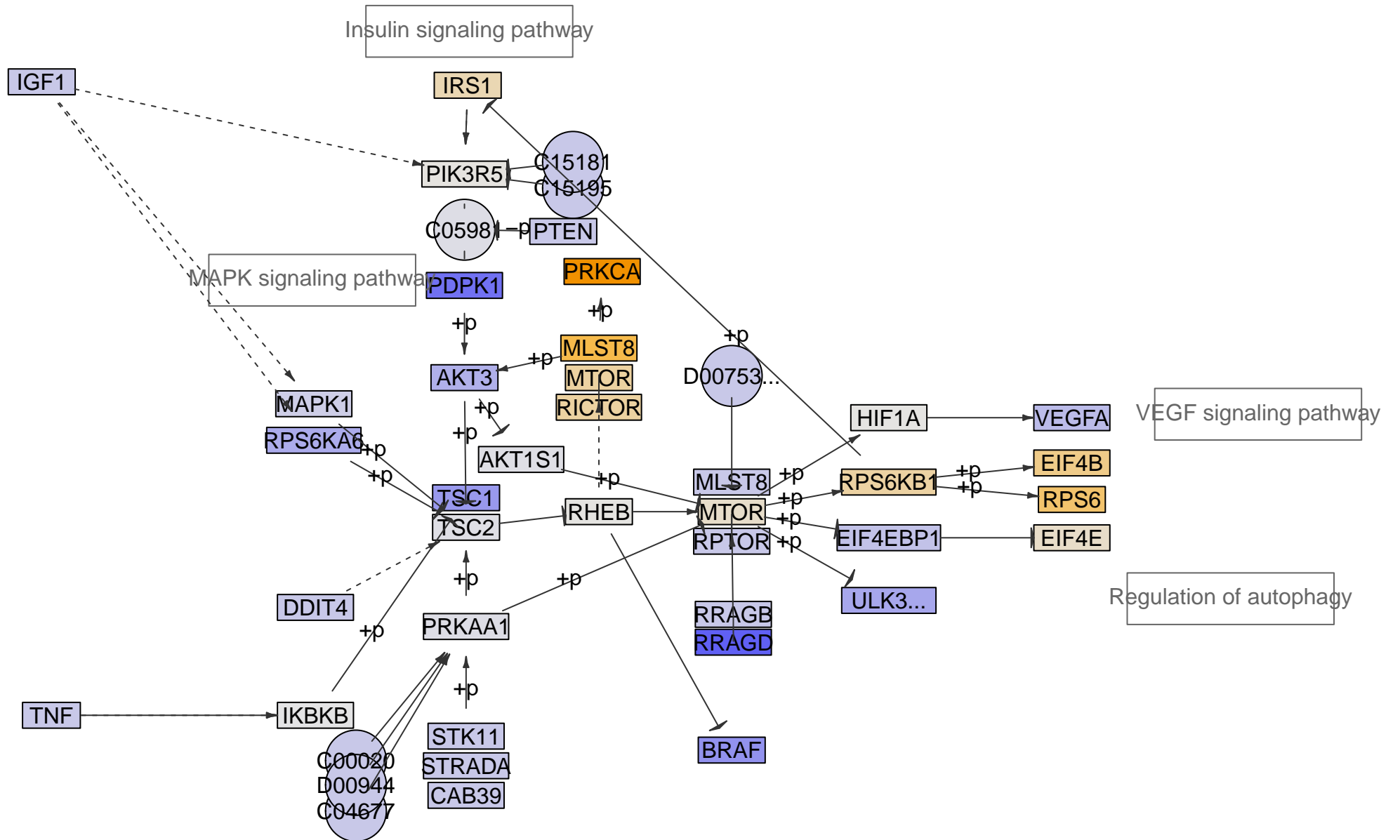
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-080



mTOR signaling pathway  
MPI-081

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR

RICTOR

MAPK1

RPS6KA6

AKT1S1

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

RPS6KB1

EIF4B

RPS6

EIF4EBP1

EIF4E

ULK3...

DDIT4

PRKAA1

RRAGB

RRAGD

TNF

IKBKB

STK11

STRADA

CAB39

C00020

D00944

C04677

BRAF

D00753...

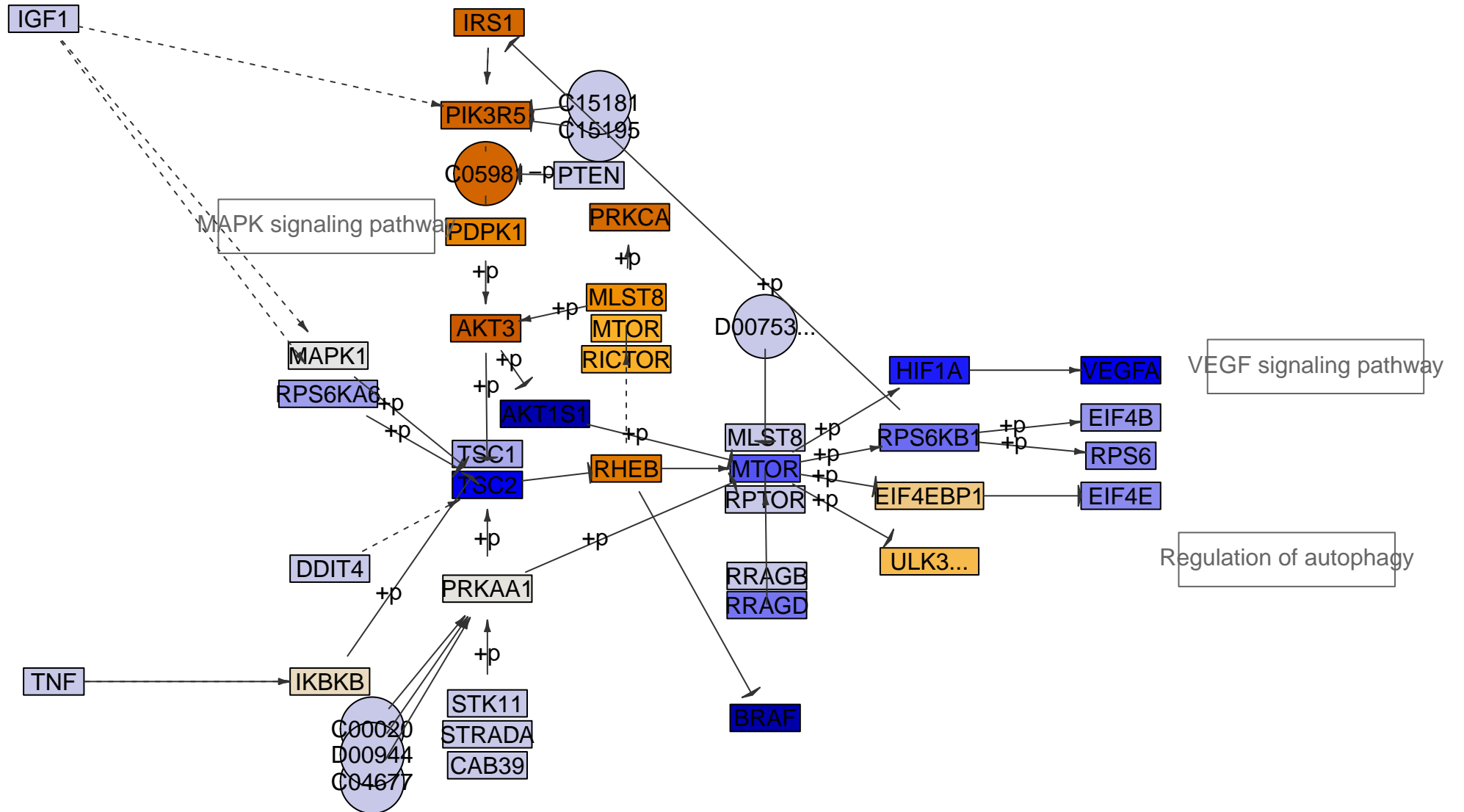
mTOR signaling pathway  
MPI-082

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



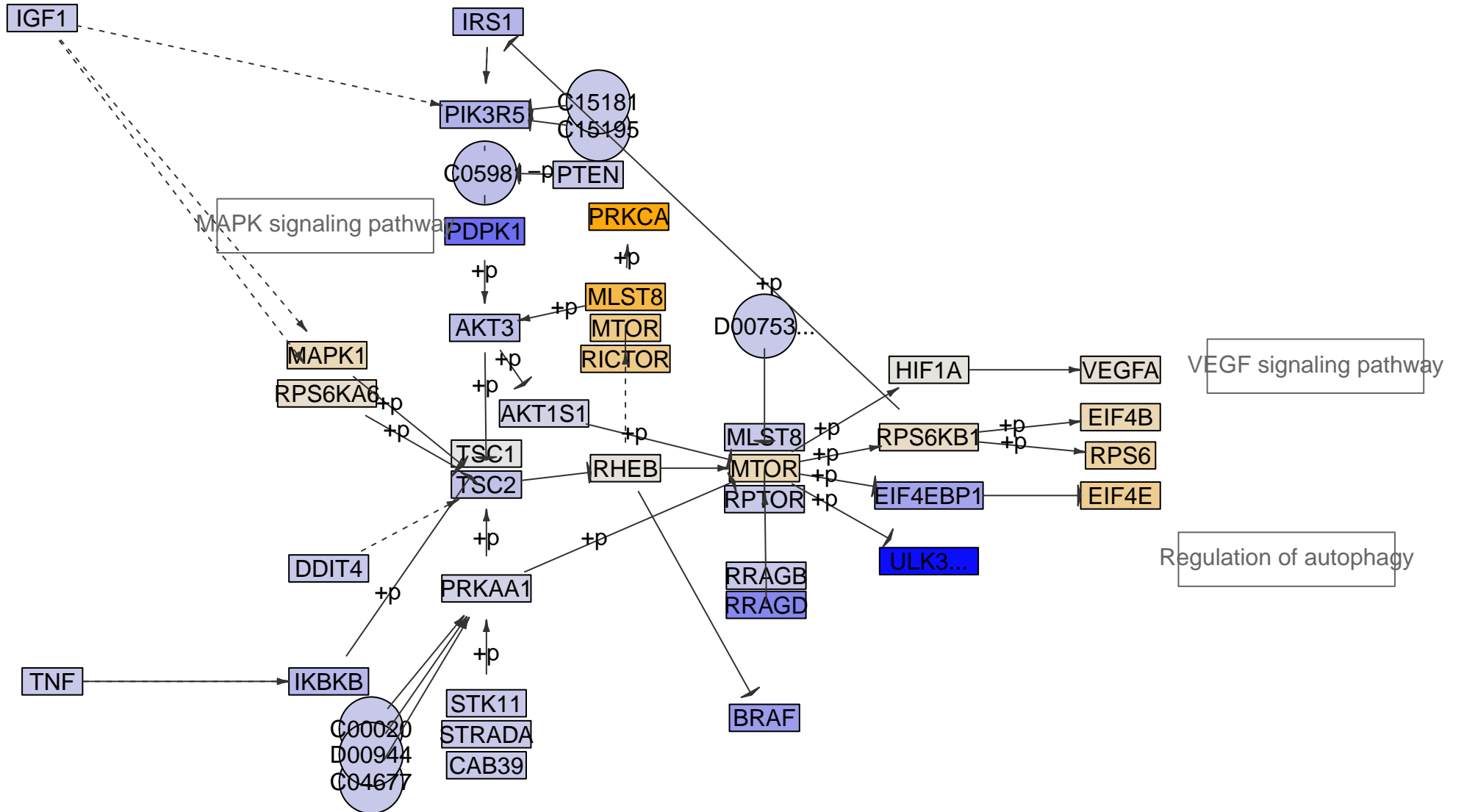
mTOR signaling pathway  
MPI-084

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



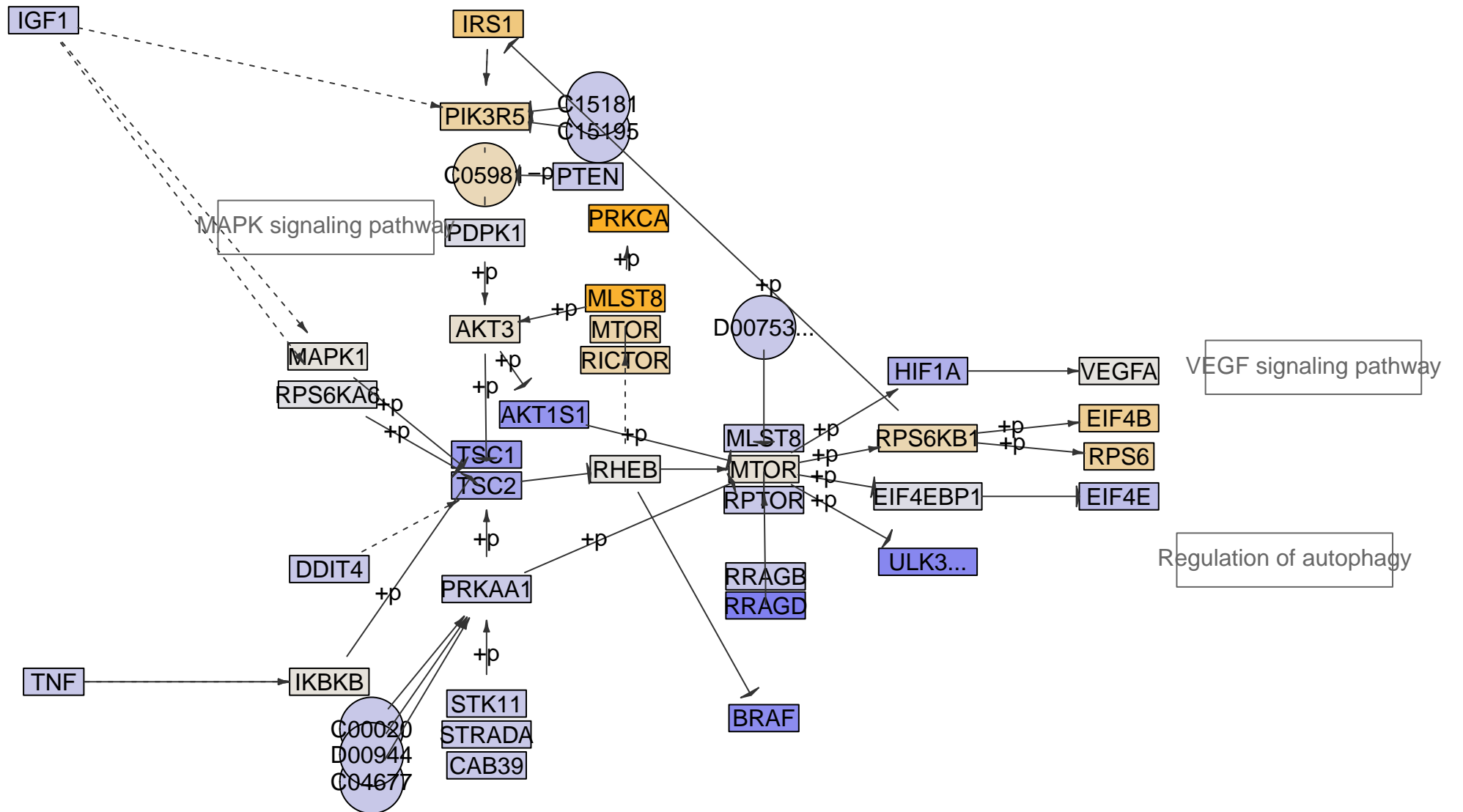
mTOR signaling pathway  
MPI-085

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



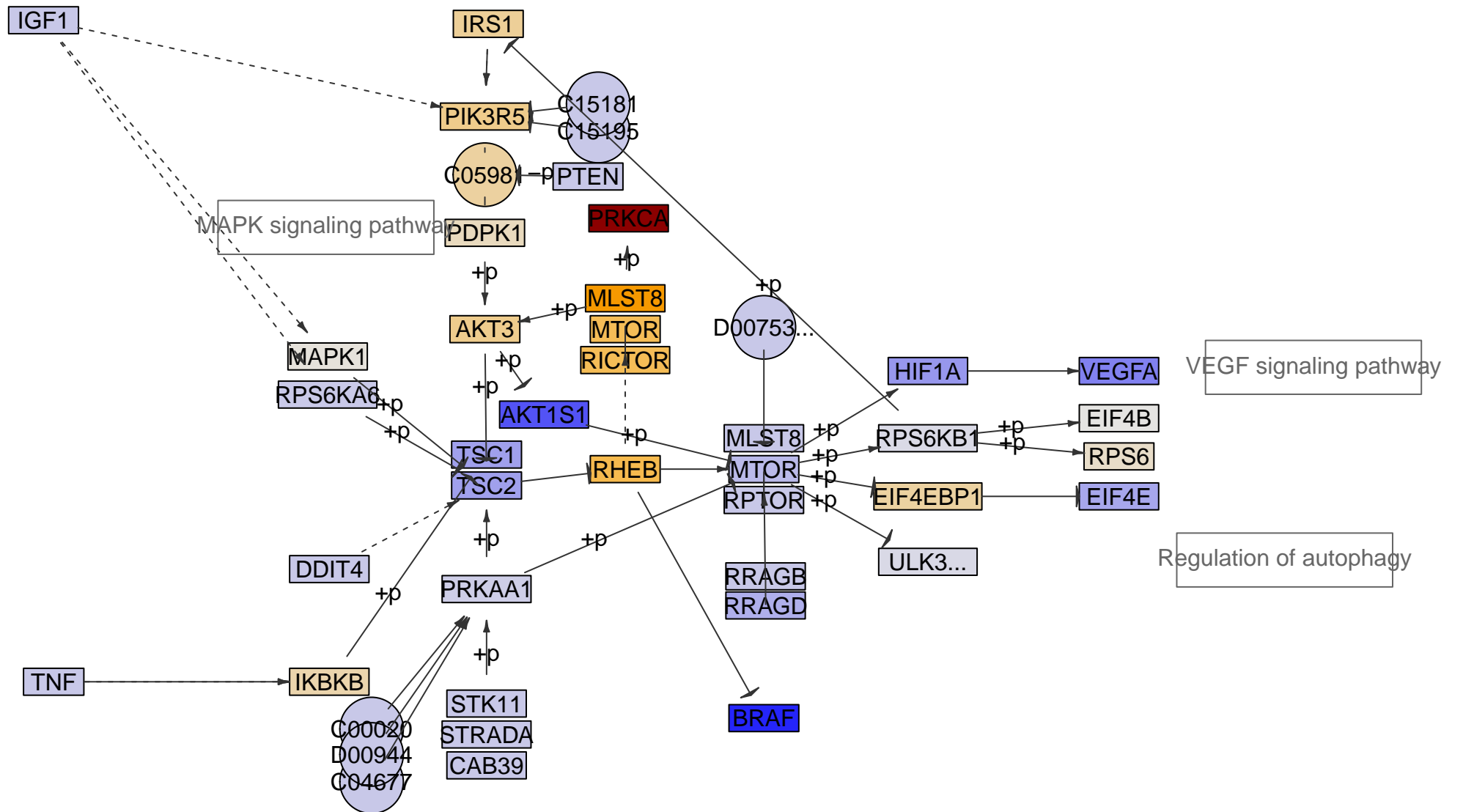
mTOR signaling pathway  
MPI-086

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy





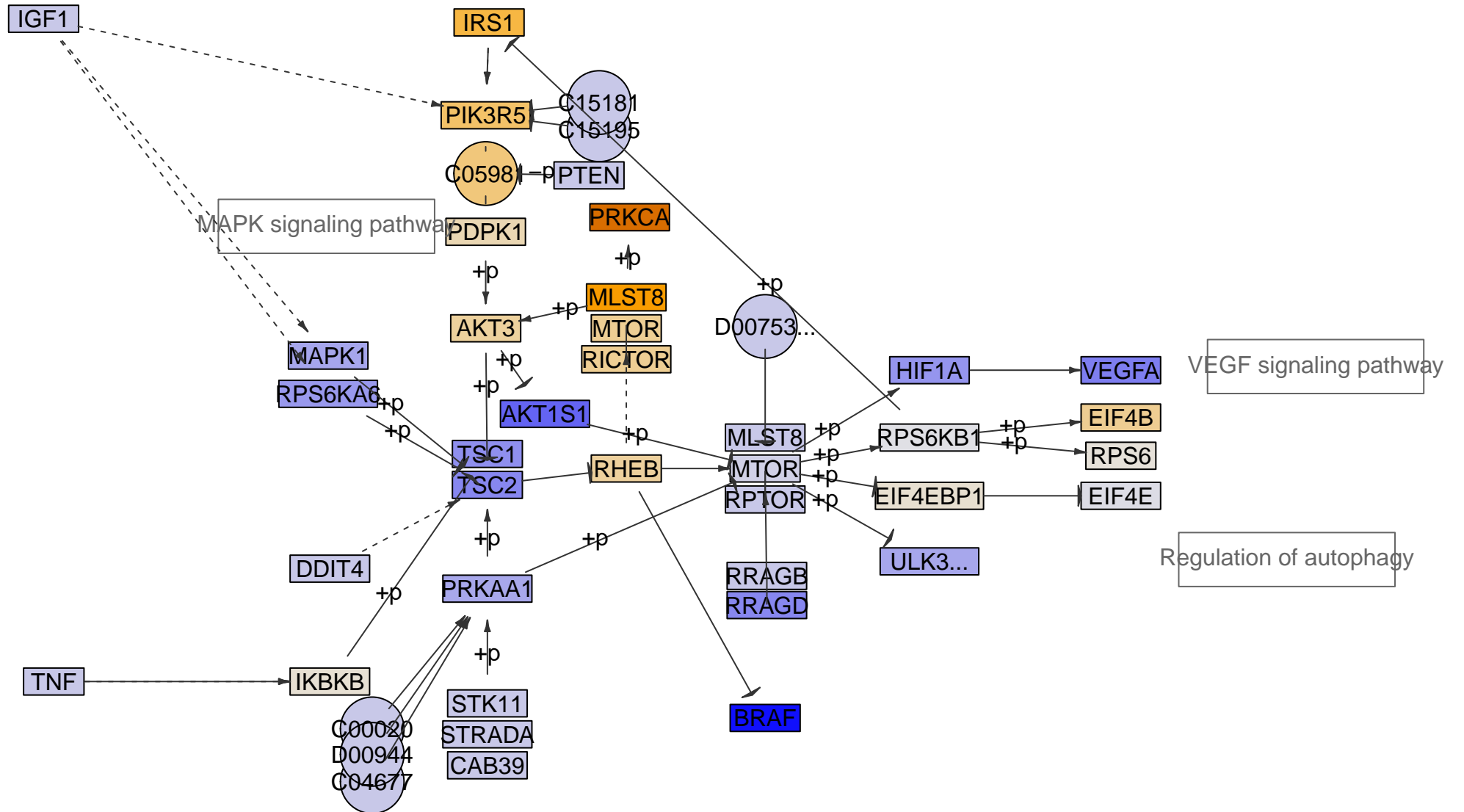
mTOR signaling pathway  
MPI-087

Insulin signaling pathway

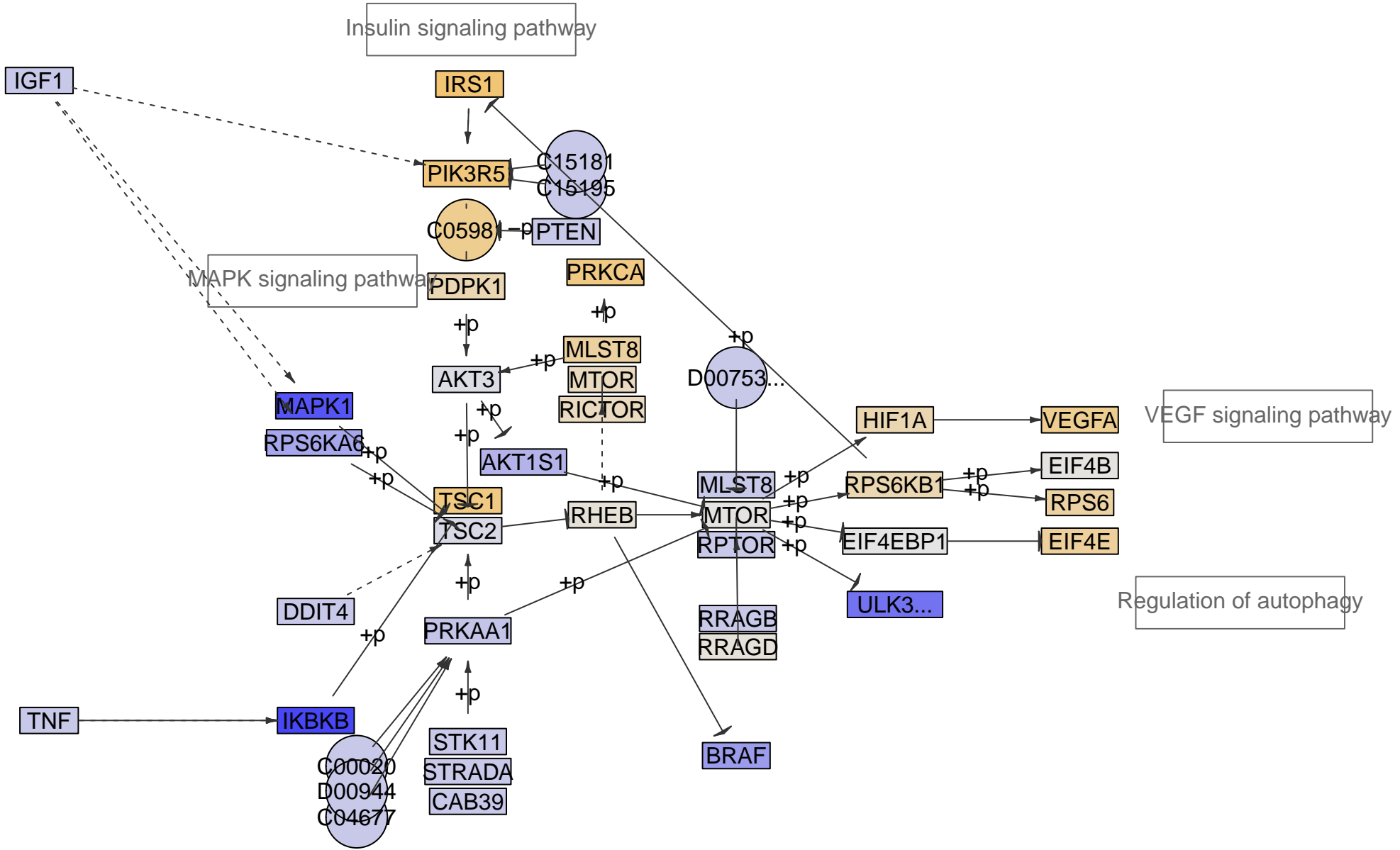
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-089



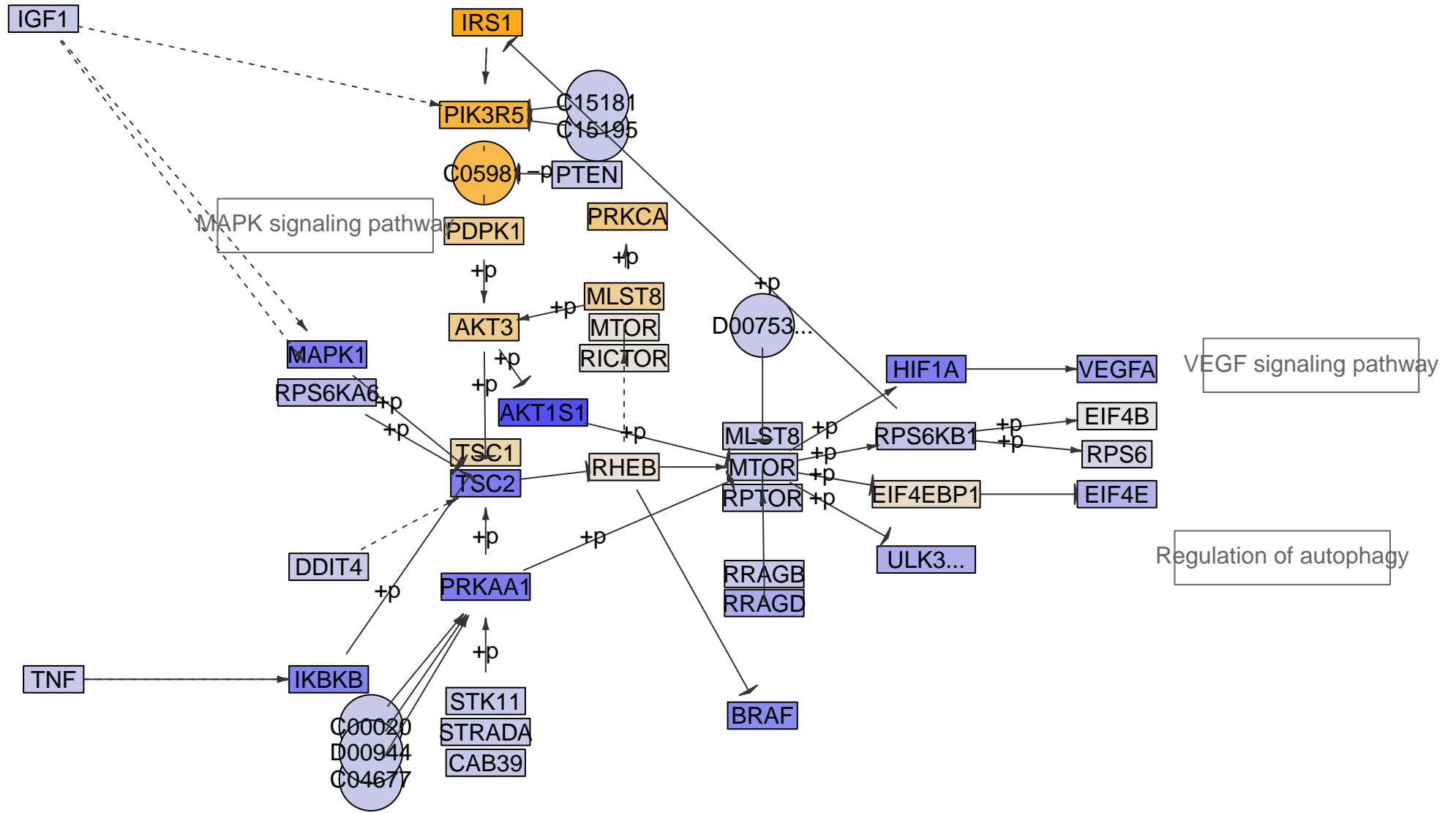
mTOR signaling pathway  
MPI-090

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



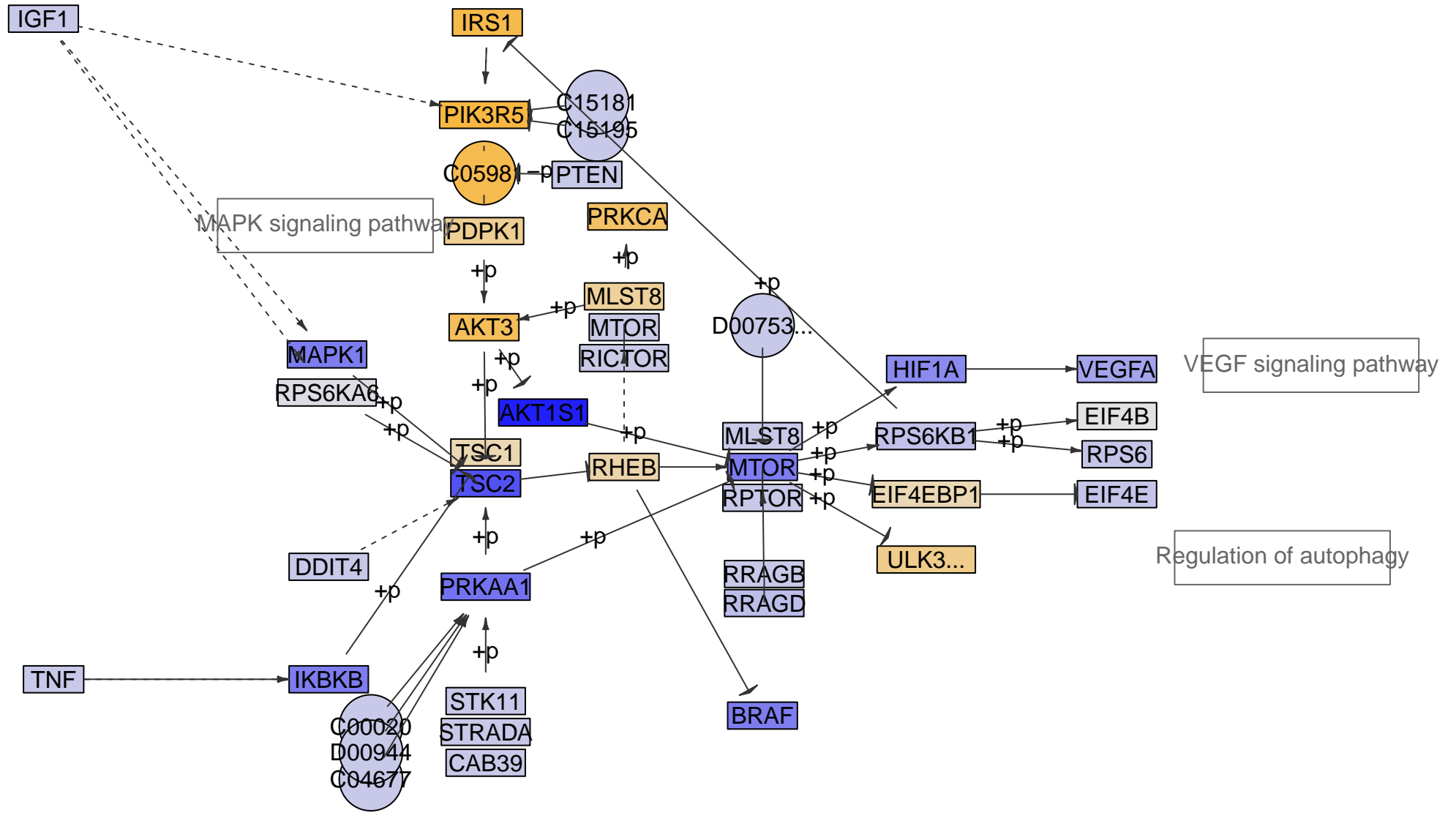
mTOR signaling pathway  
MPI-091

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



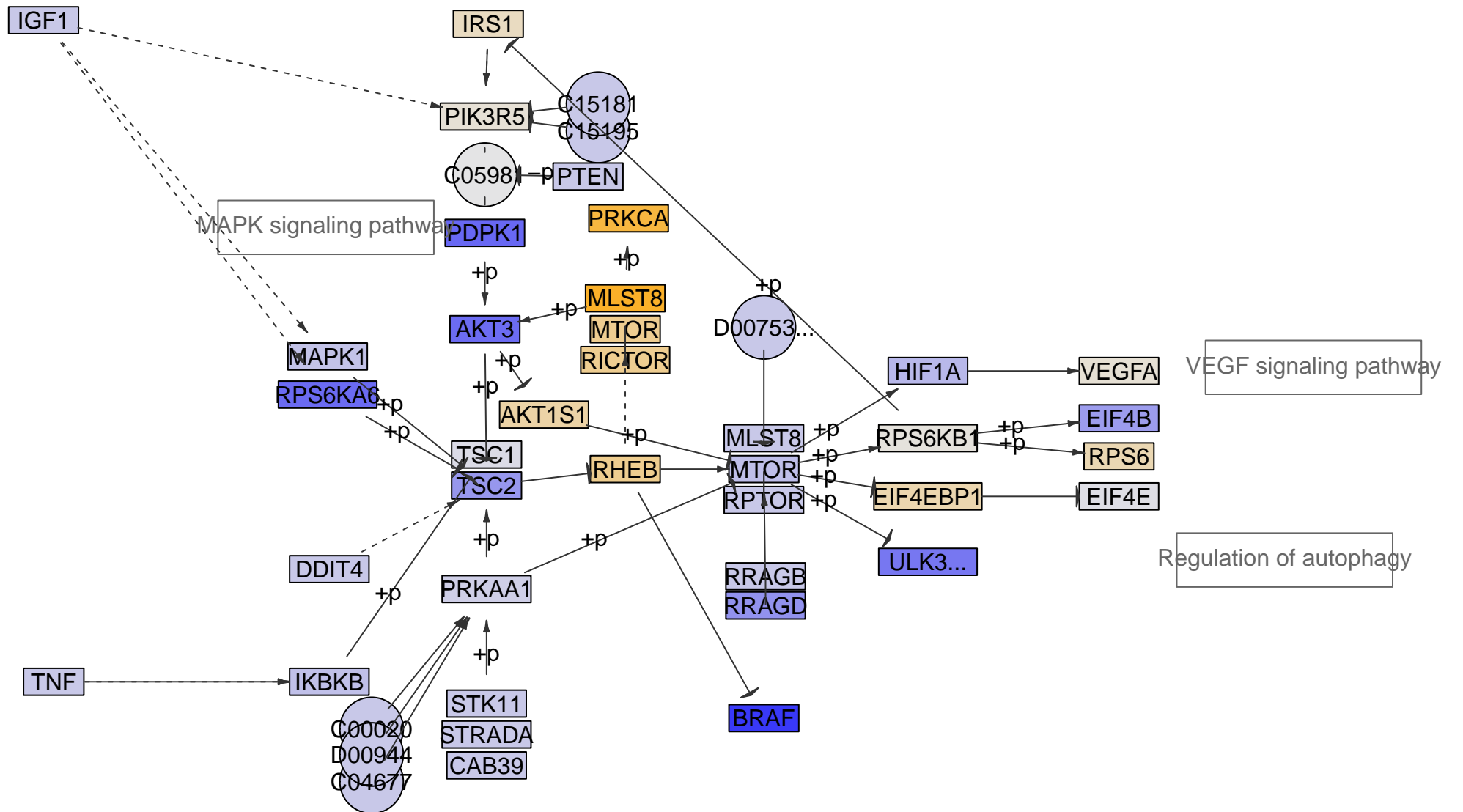
mTOR signaling pathway  
MPI-095

Insulin signaling pathway

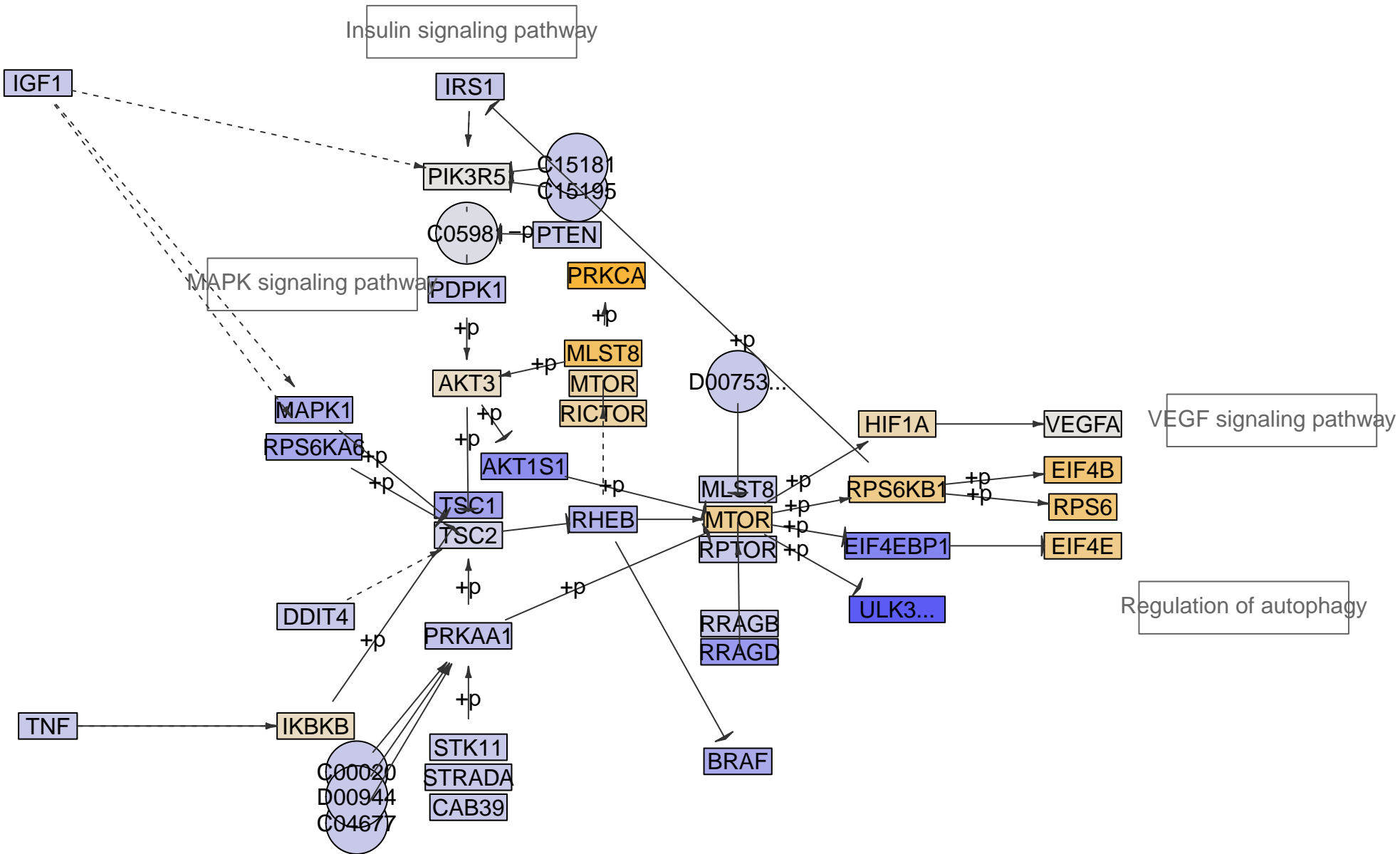
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-101



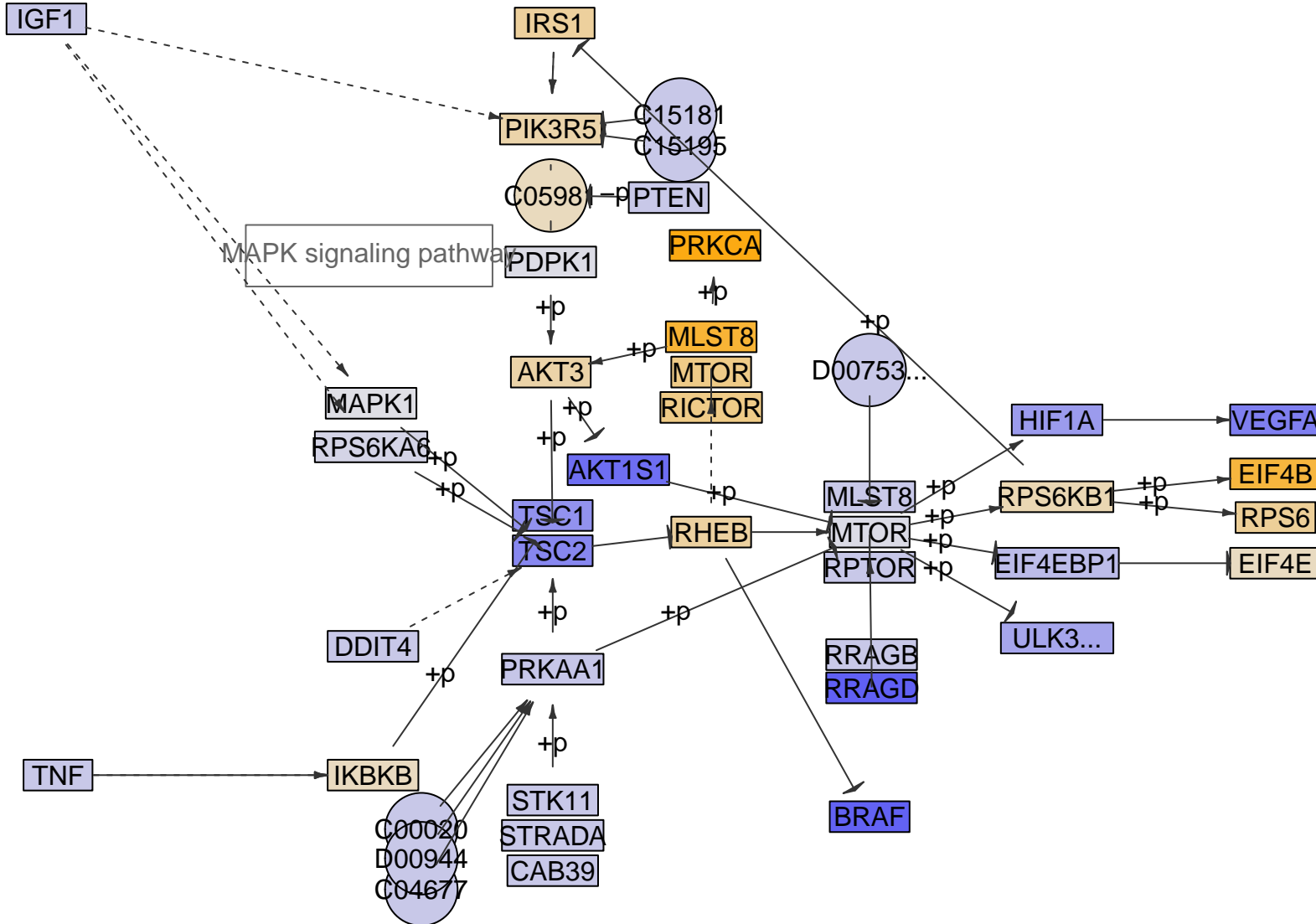
mTOR signaling pathway  
MPI-114

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-123

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR

RICTOR

D00753...

MAPK1

RPS6KA6

TSC1

TSC2

AKT1S1

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

EIF4B

RPS6

EIF4EBP1

EIF4E

ULK3...

DDIT4

PRKAA1

BRAF

TNF

IKBKB

C00020

D00944

C04677

STK11

STRADA

CAB39



mTOR signaling pathway  
MPI-138

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR

RICTOR

D00753...

MAPK1

RPS6KA6

TSC1

TSC2

AKT1S1

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

EIF4B

RPS6

RPS6KB1

EIF4EBP1

EIF4E

ULK3...

DDIT4

PRKAA1

RRAGB

RRAGD

TNF

IKBKB

STK11

STRADA

CAB39

C00020

D00944

C04677

BRAF

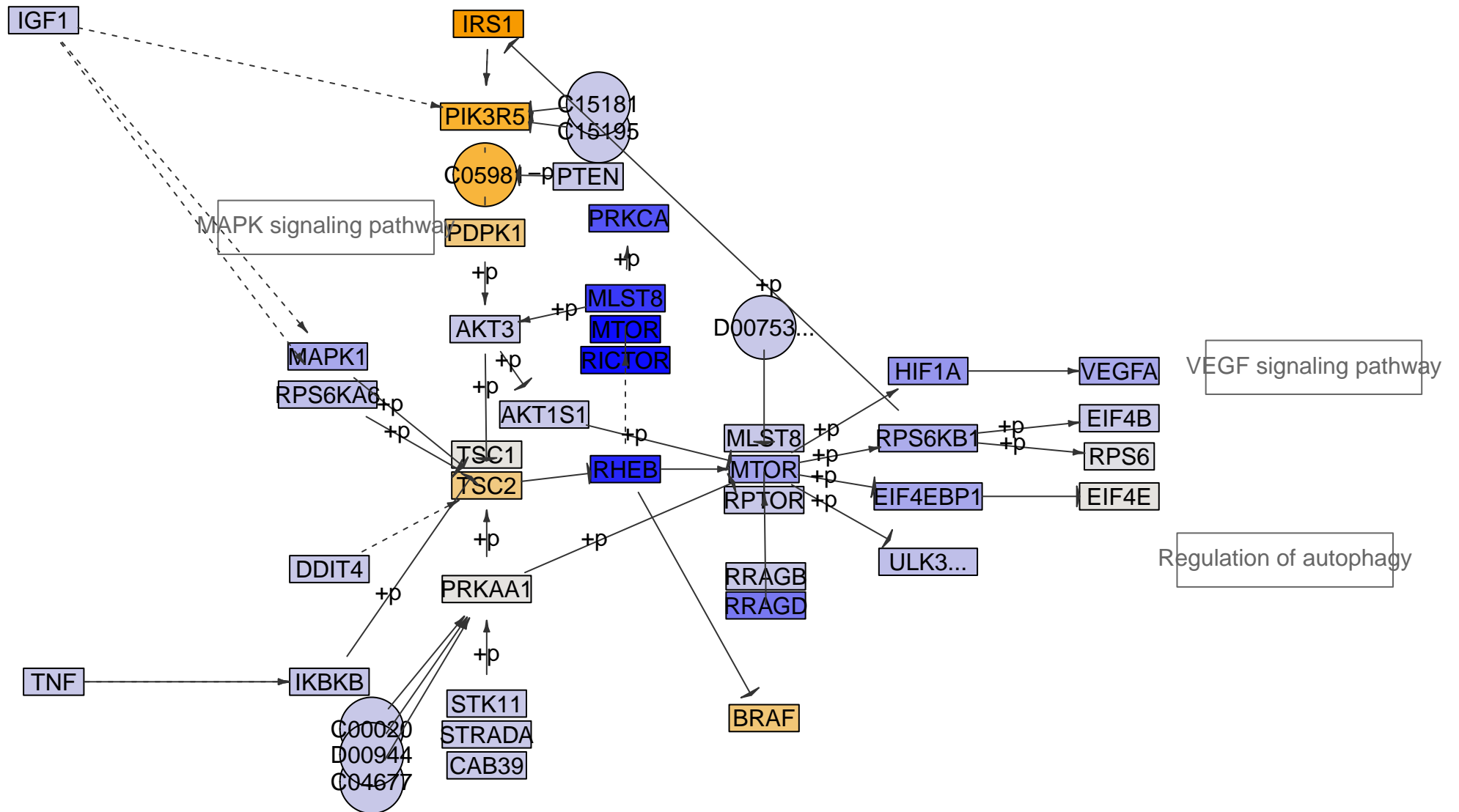
mTOR signaling pathway  
MPI-139

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



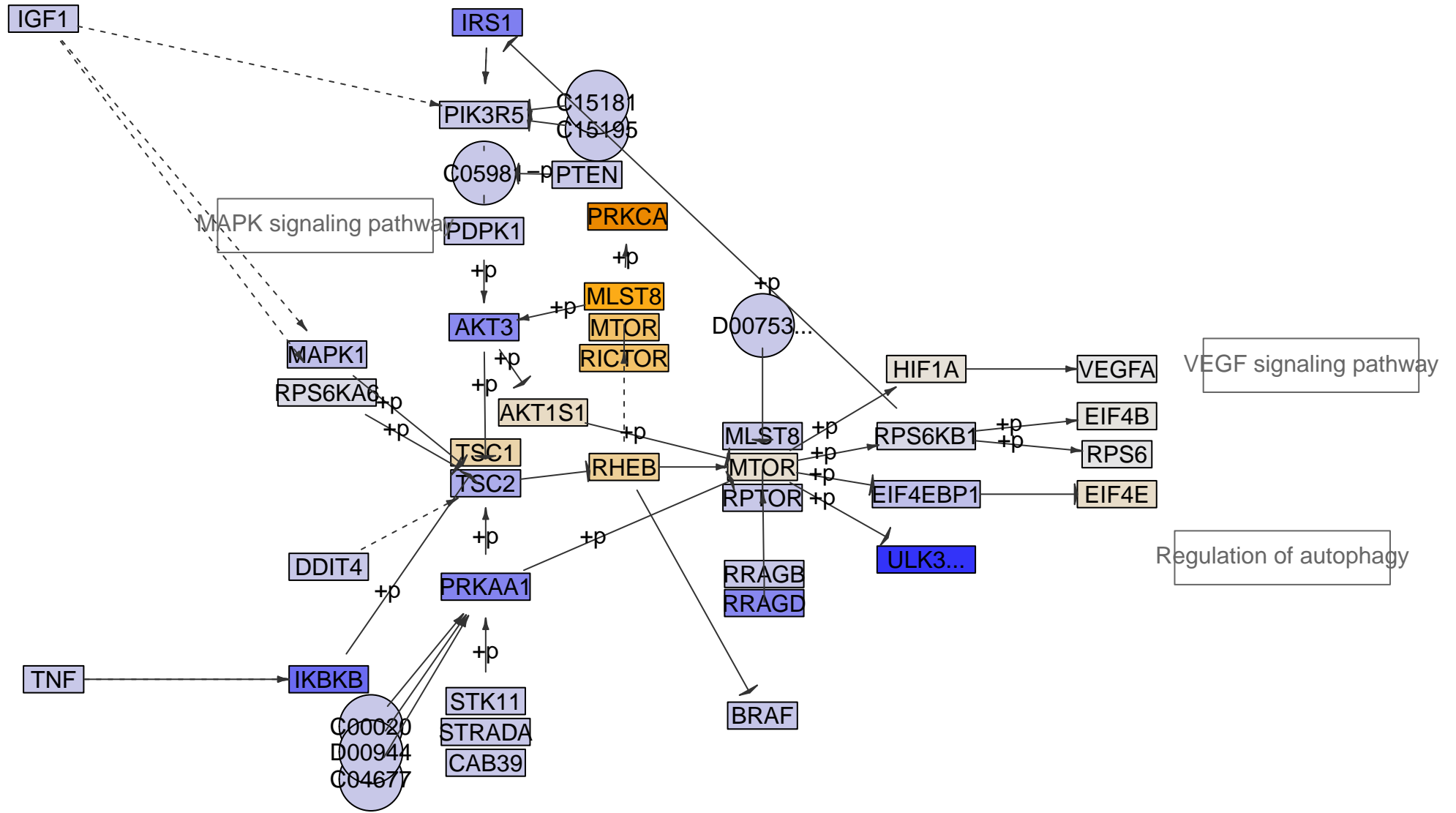
mTOR signaling pathway  
MPI-140

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



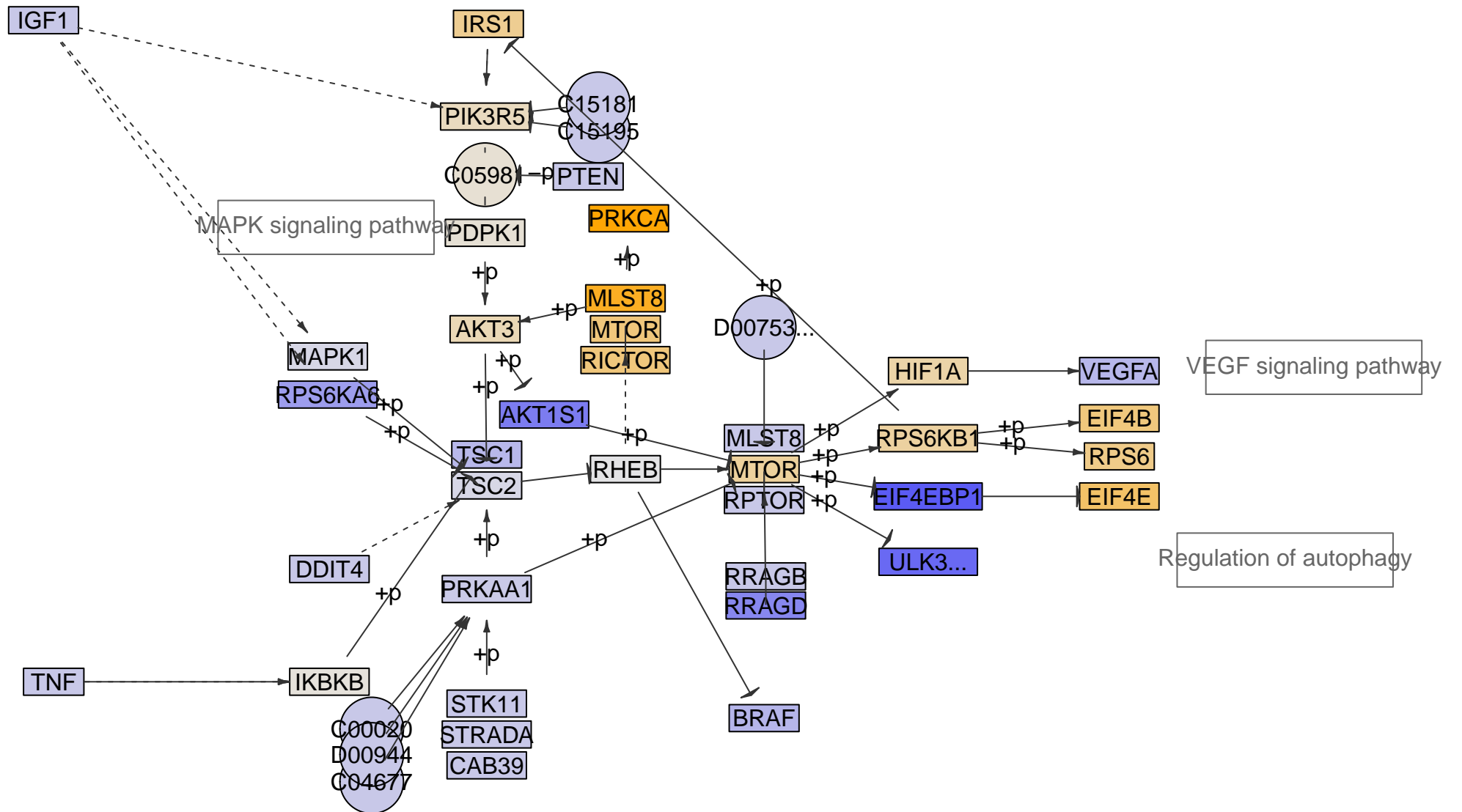
mTOR signaling pathway  
MPI-144

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



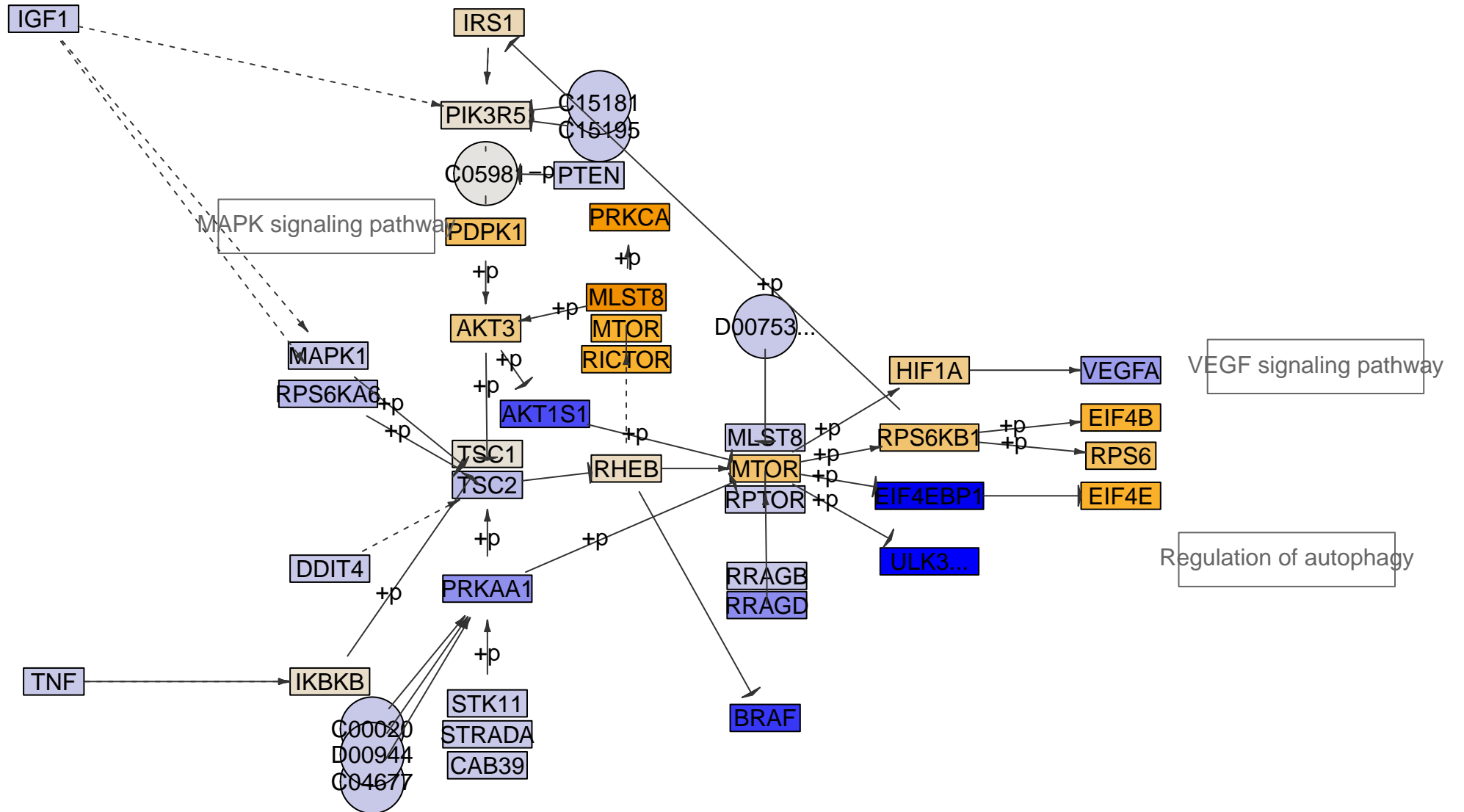
mTOR signaling pathway  
MPI-147

Insulin signaling pathway

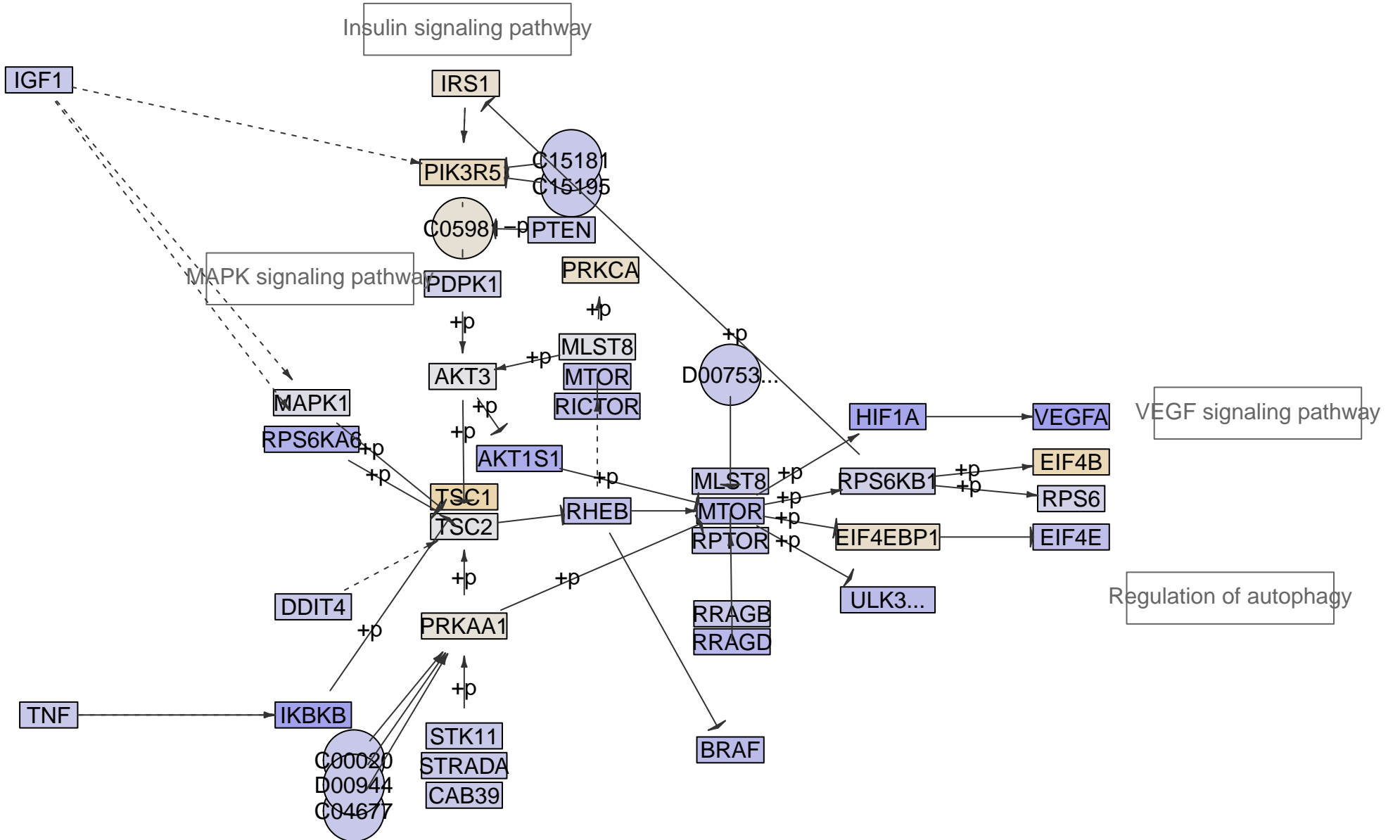
MAPK signaling pathway

VEGF signaling pathway

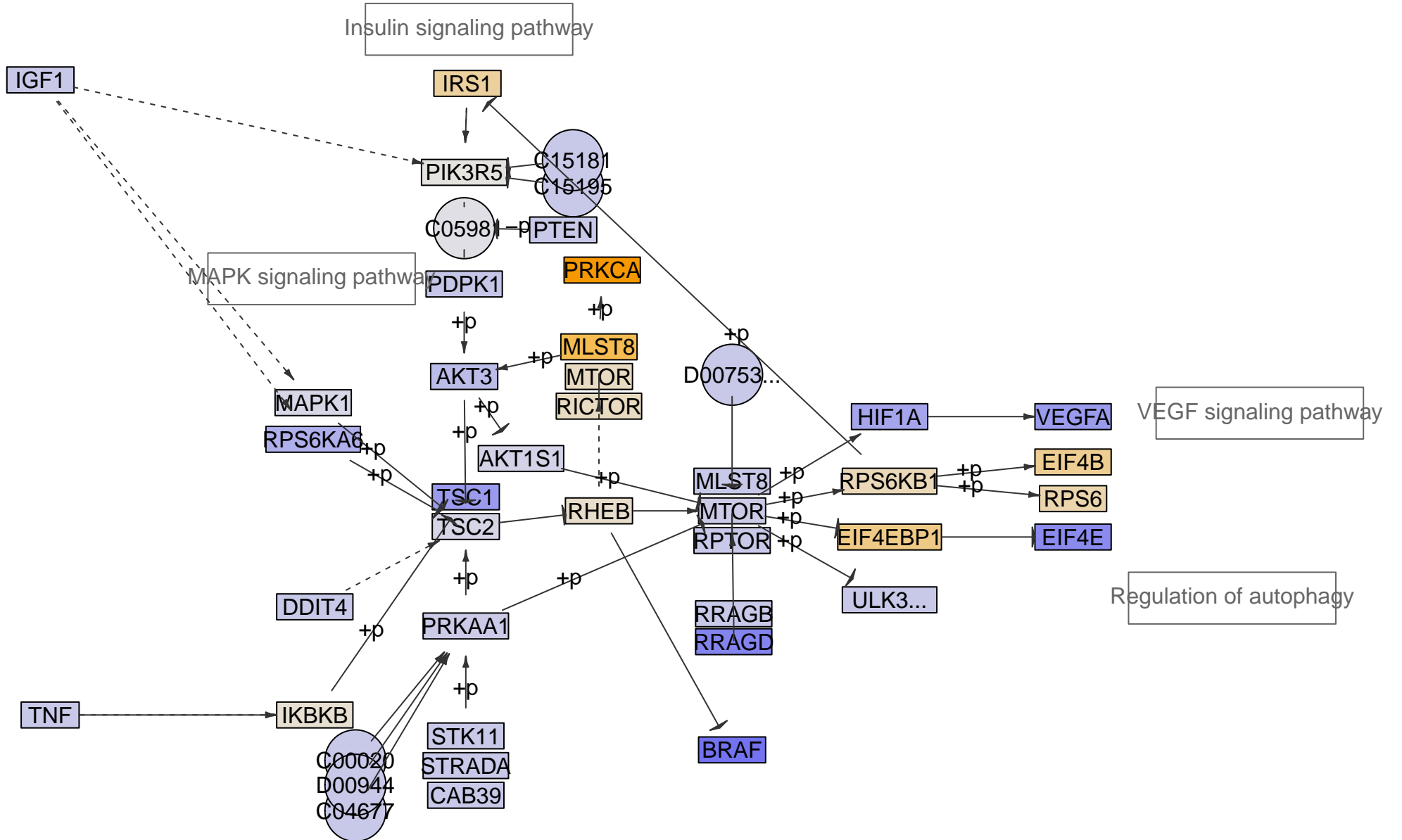
Regulation of autophagy



mTOR signaling pathway  
MPI-171



mTOR signaling pathway  
MPI-172



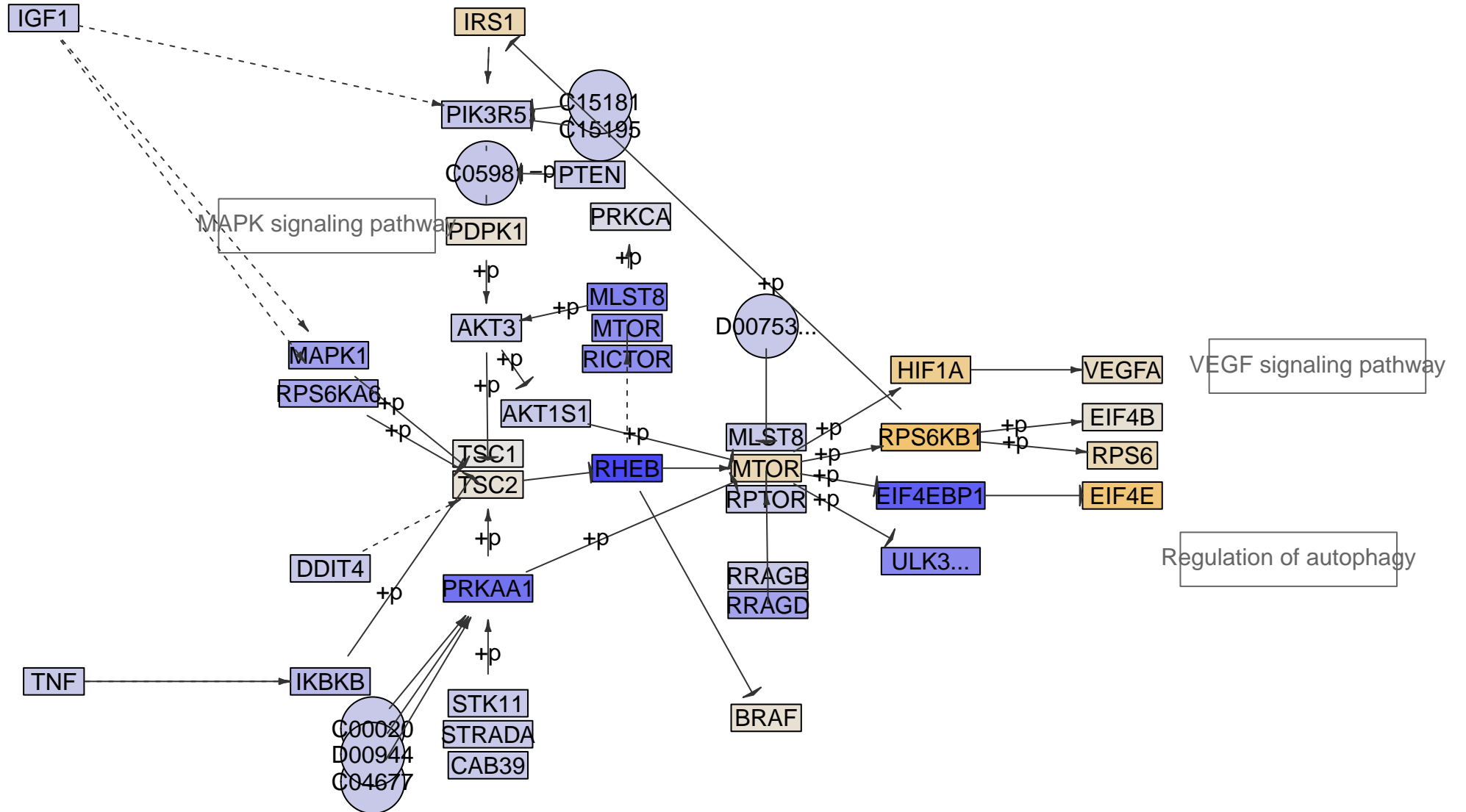
mTOR signaling pathway  
MPI-007

Insulin signaling pathway

MAPK signaling pathway

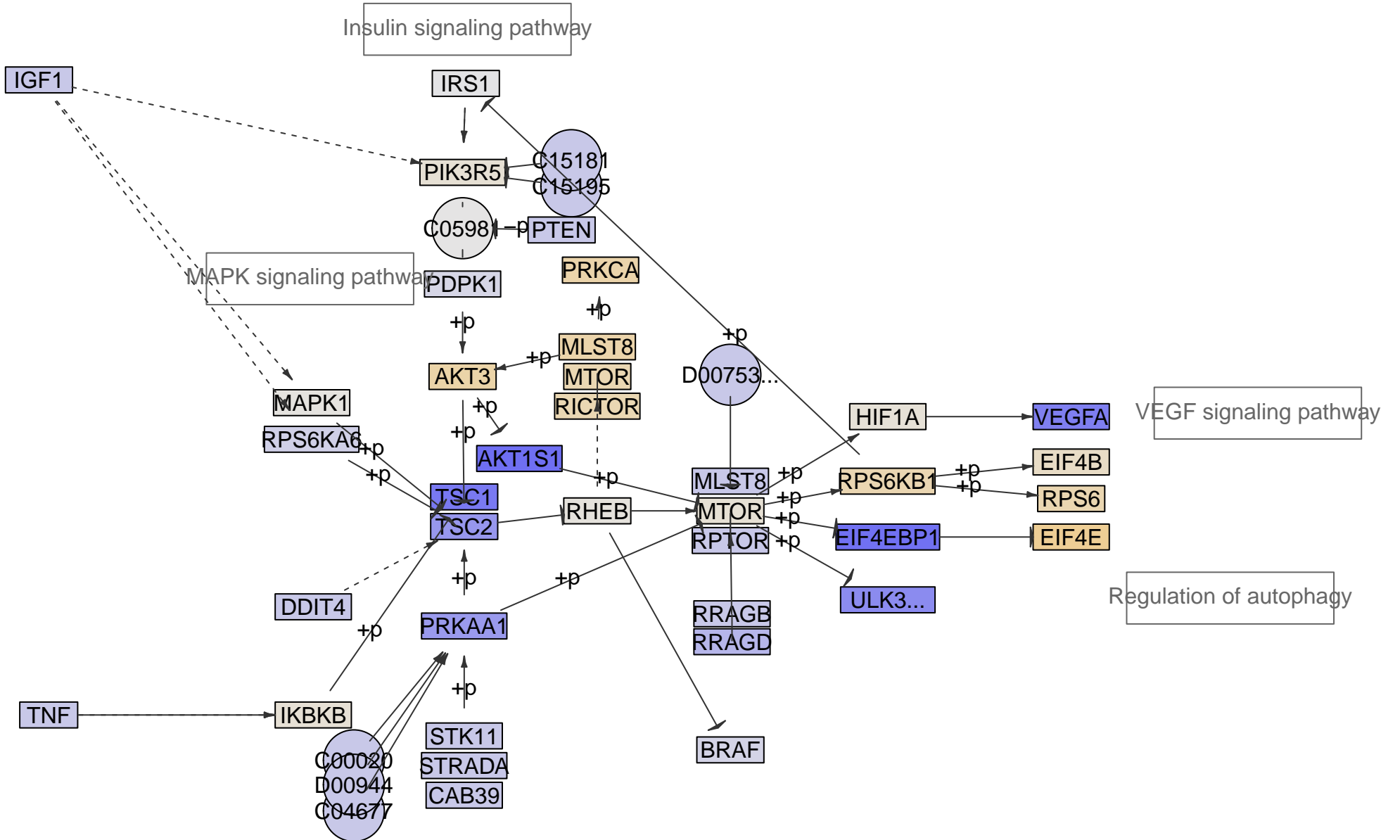
VEGF signaling pathway

Regulation of autophagy





mTOR signaling pathway  
MPI-011



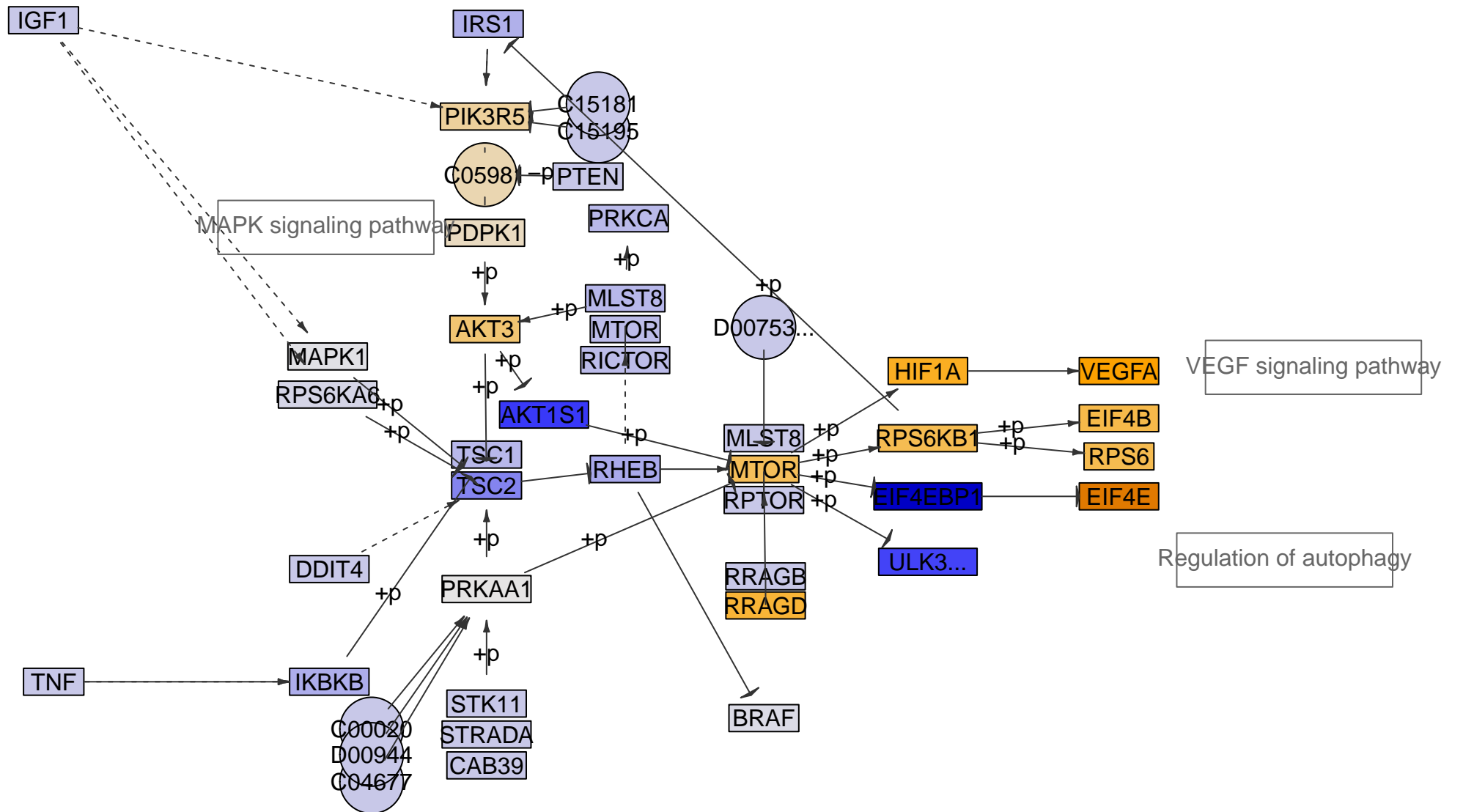
mTOR signaling pathway  
MPI-024

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



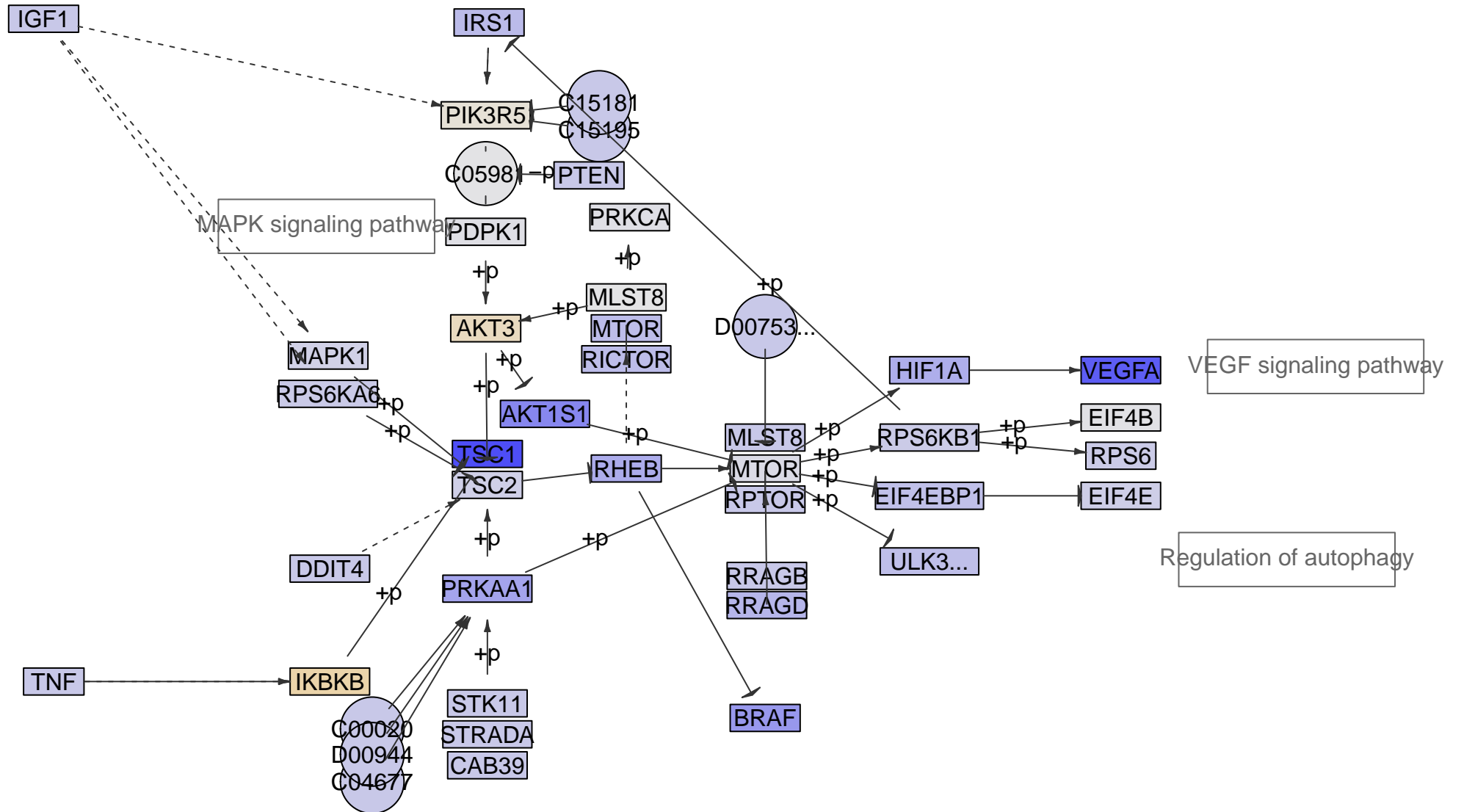
mTOR signaling pathway  
MPI-026

Insulin signaling pathway

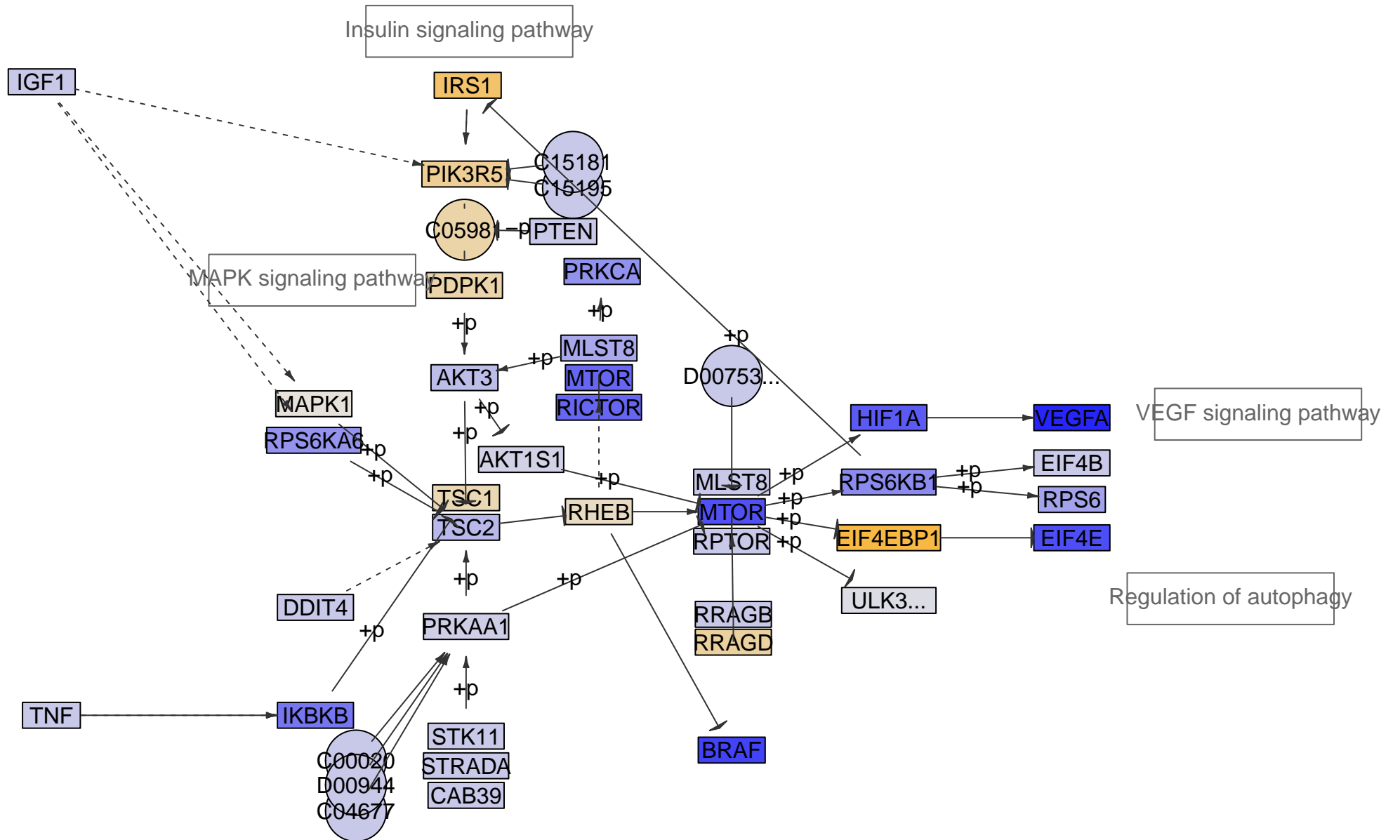
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-036



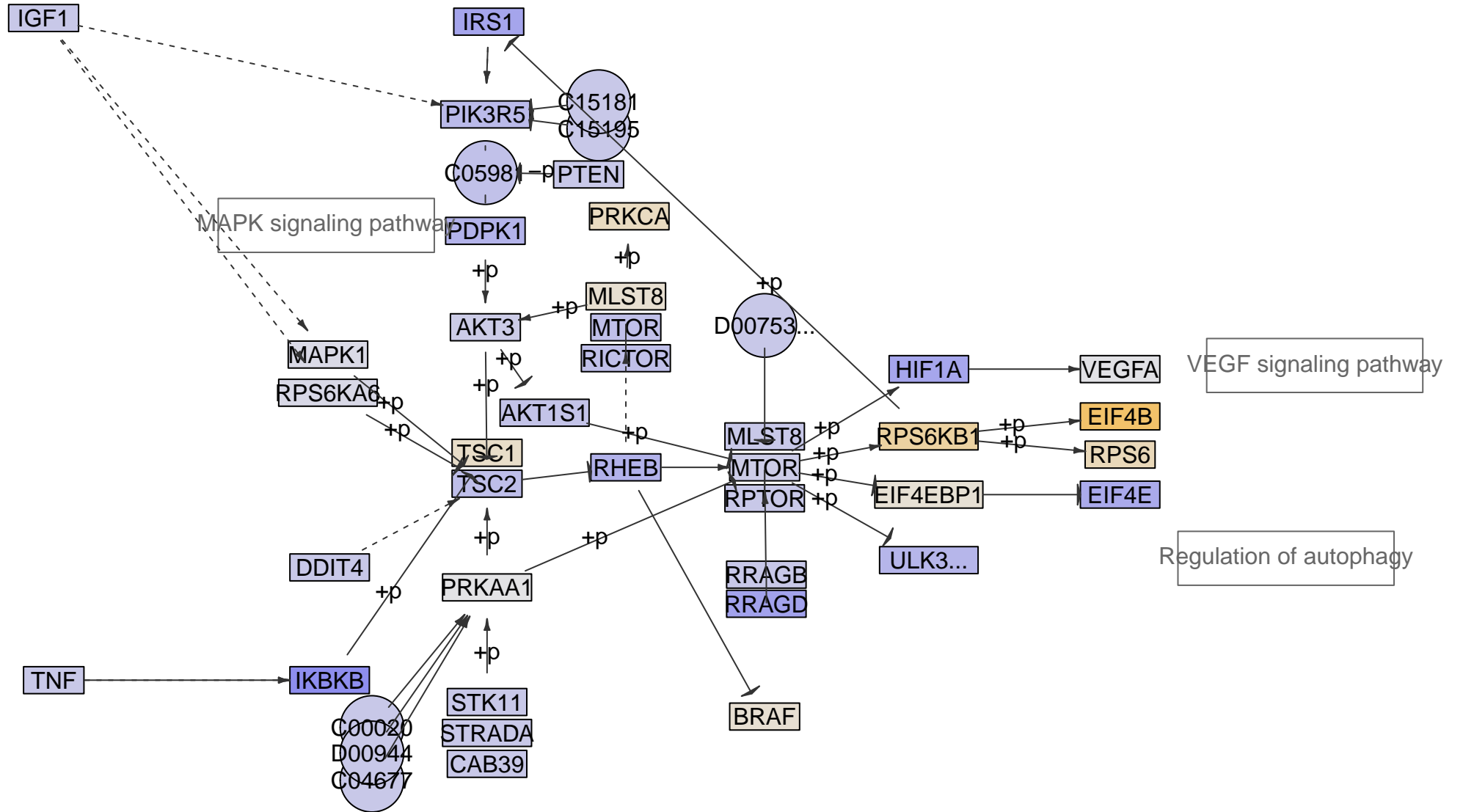
mTOR signaling pathway  
MPI-037

Insulin signaling pathway

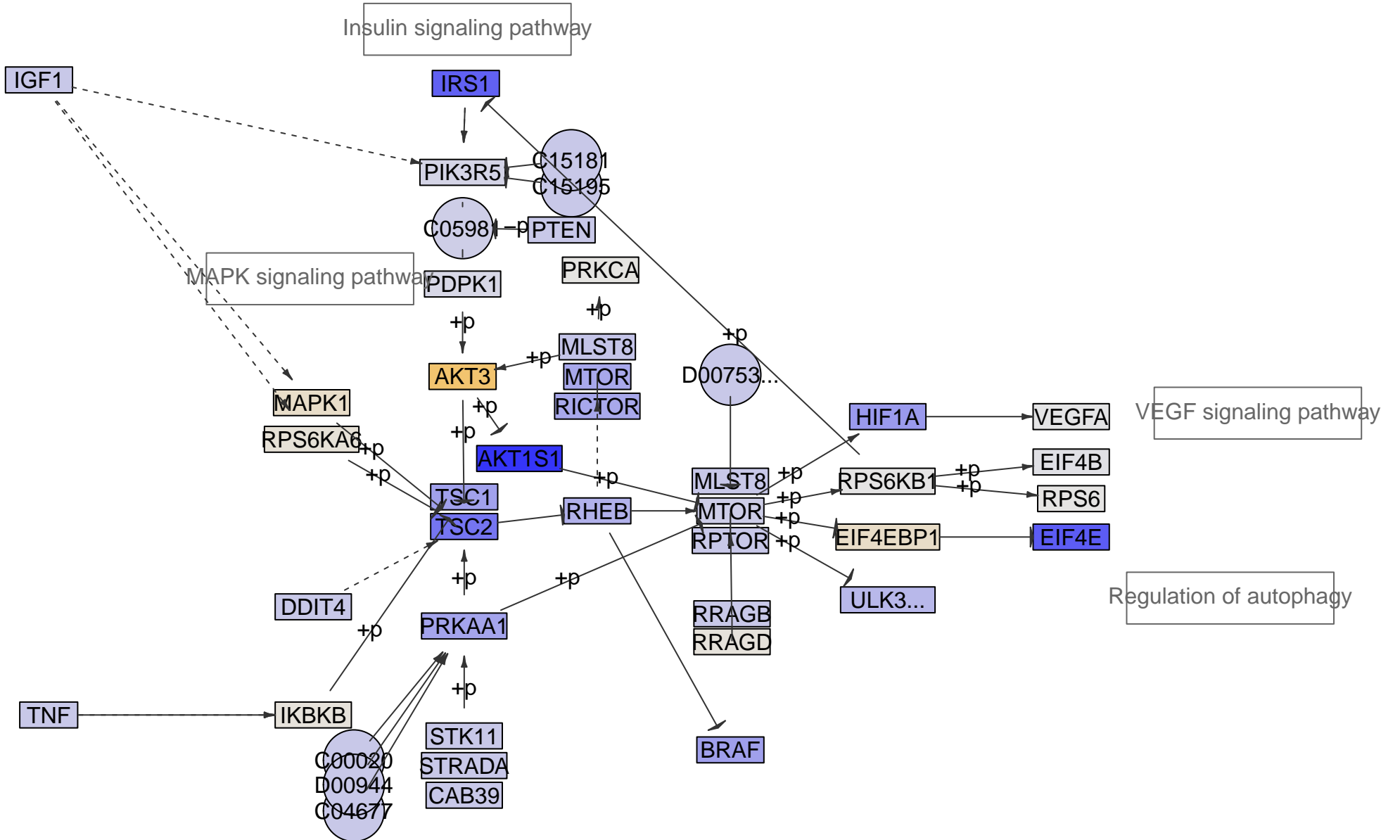
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-038



mTOR signaling pathway  
MPI-041

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR

RICTOR

MAPK1

RPS6KA6

TSC1

TSC2

AKT1S1

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

EIF4B

RPS6

RPS6KB1

EIF4EBP1

EIF4E

ULK3...

DDIT4

PRKAA1

RRAGB

RRAGD

BRAF

TNF

IKBKB

STK11

STRADA

CAB39

C00020

D00944

C04677

D00753...

C15181

C15195

C0598

RHEB

MLST8

MTOR

RPTOR

RRAGB

RRAGD

BRAF

STK11

STRADA

CAB39

C00020

D00944

C04677

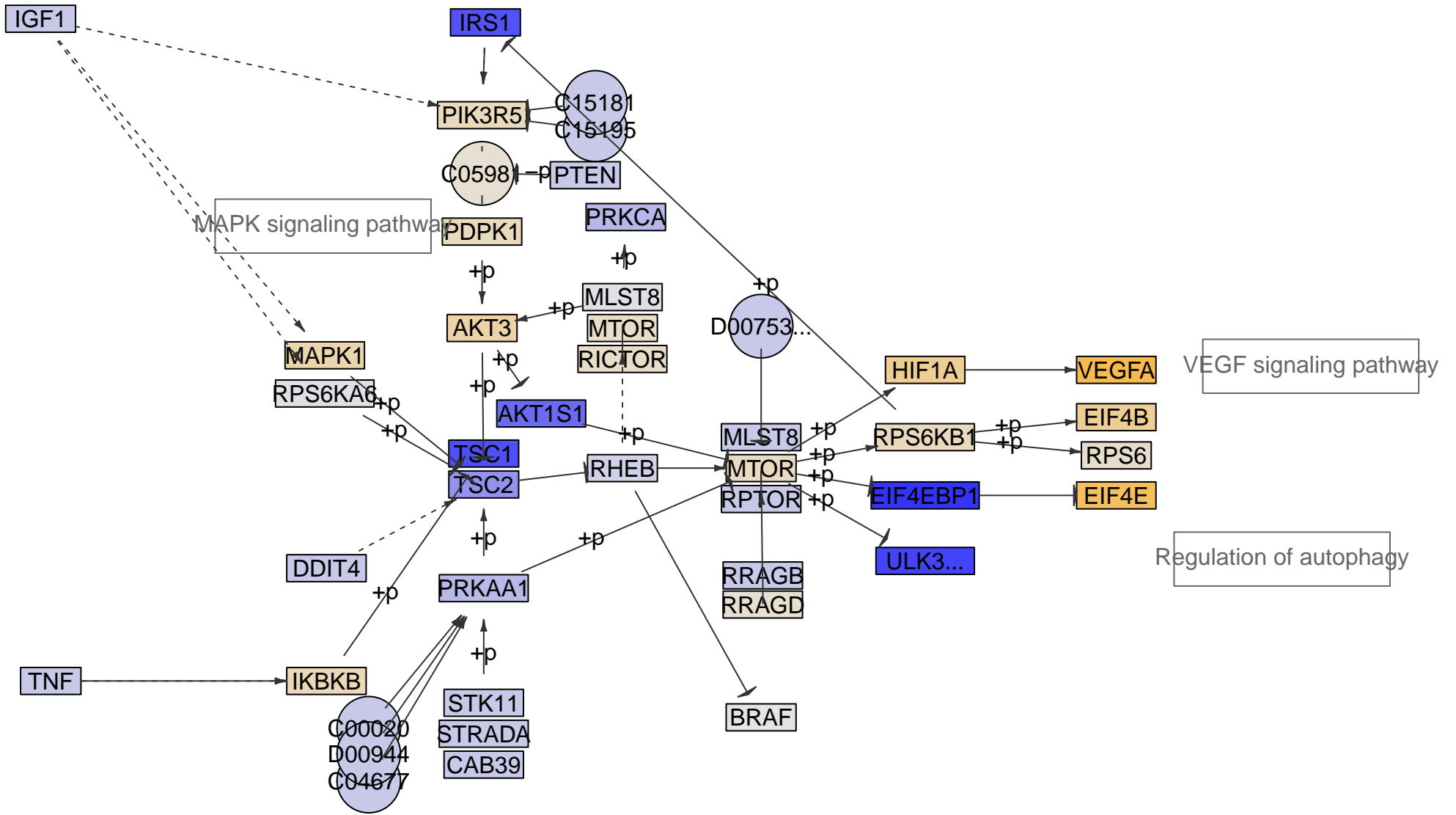
mTOR signaling pathway  
MPI-046

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy





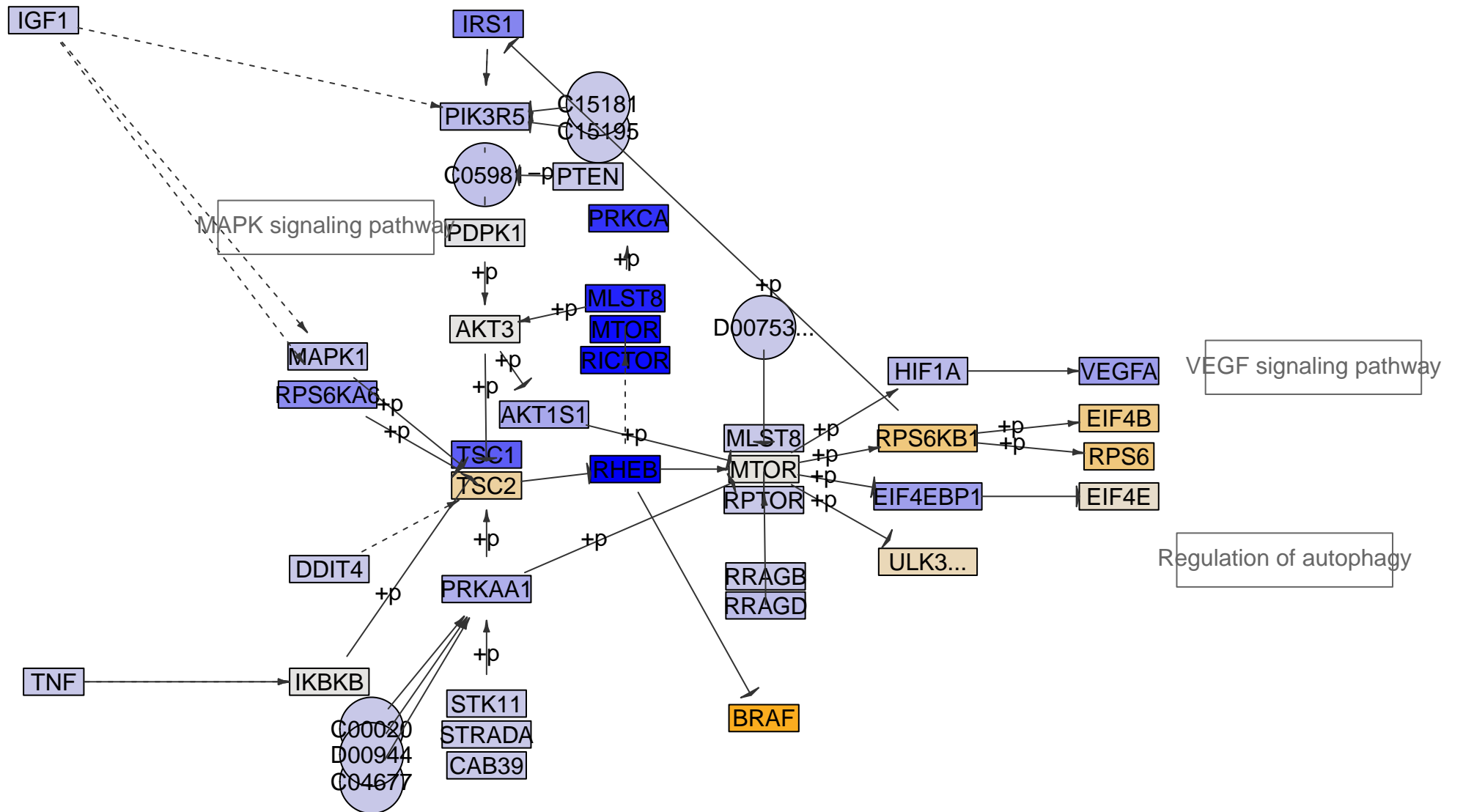
mTOR signaling pathway  
MPI-050

Insulin signaling pathway

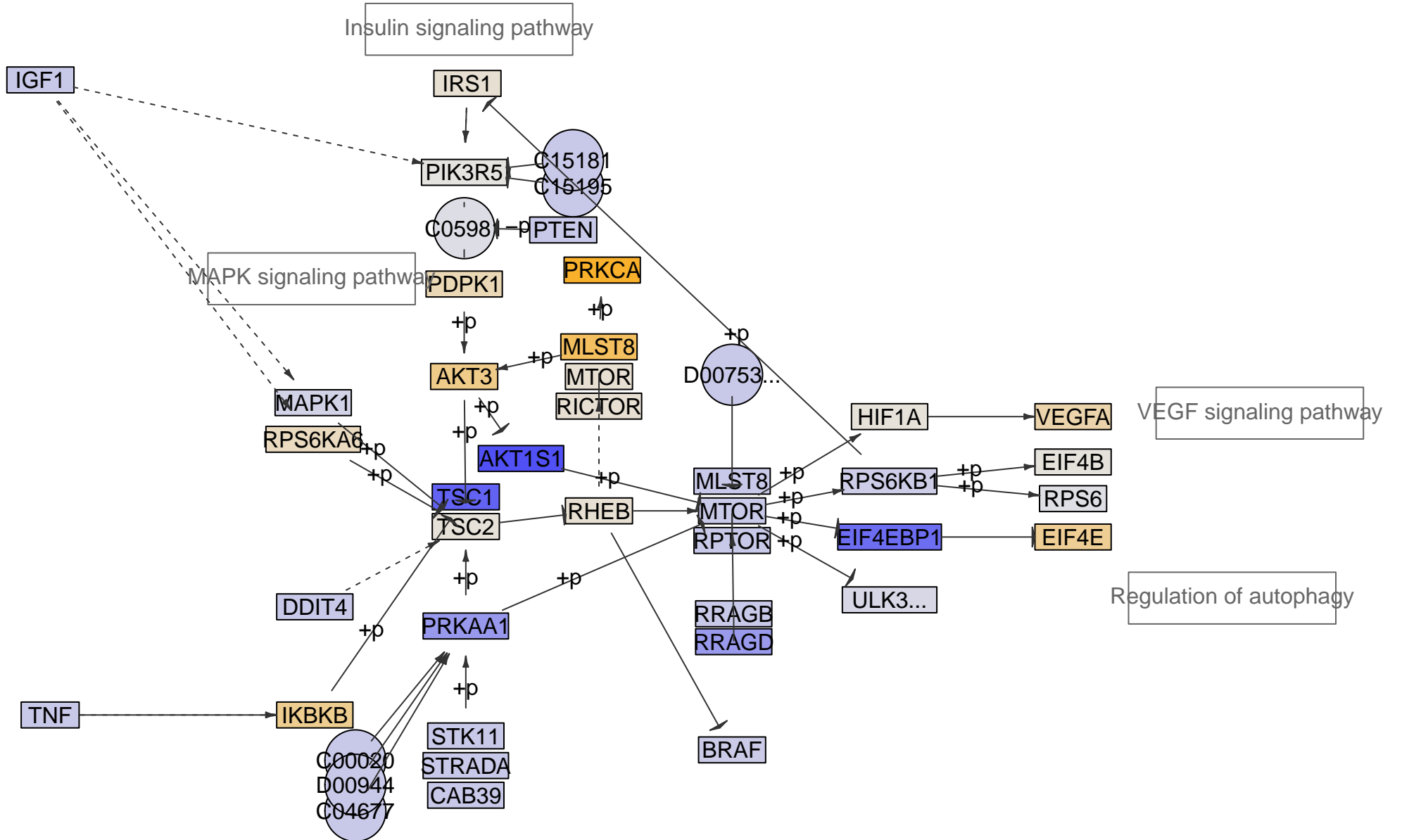
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-051



# mTOR signaling pathway MPI-054

## Insulin signaling pathway

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR  
RICTOR

D00753...

MAPK1

RPS6KA6

HIF1A

VEGFA

VEGF signaling pathway

TSC1

TSC2

AKT1S1

RHEB

MLST8

MTOR

RPTOR

RPS6KB1

EIF4EBP1

EIF4B

RPS6

EIF4E

ULK3...

DDIT4

PRKAA1

RRAGB  
RRAGD

Regulation of autophagy

TNF

IKBKB

STK11

STRADA

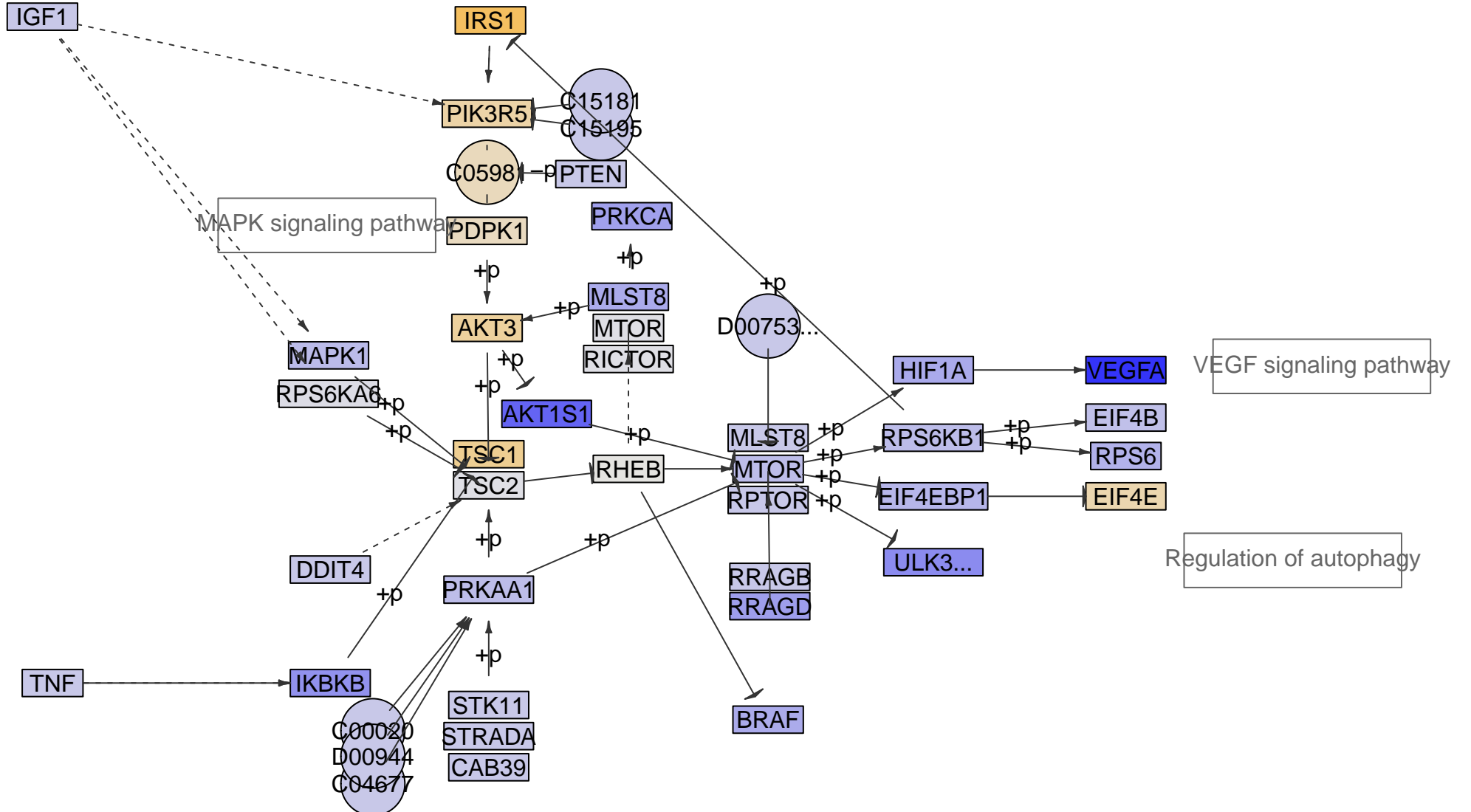
CAB39

BRAF

C00020

D00944

C04677



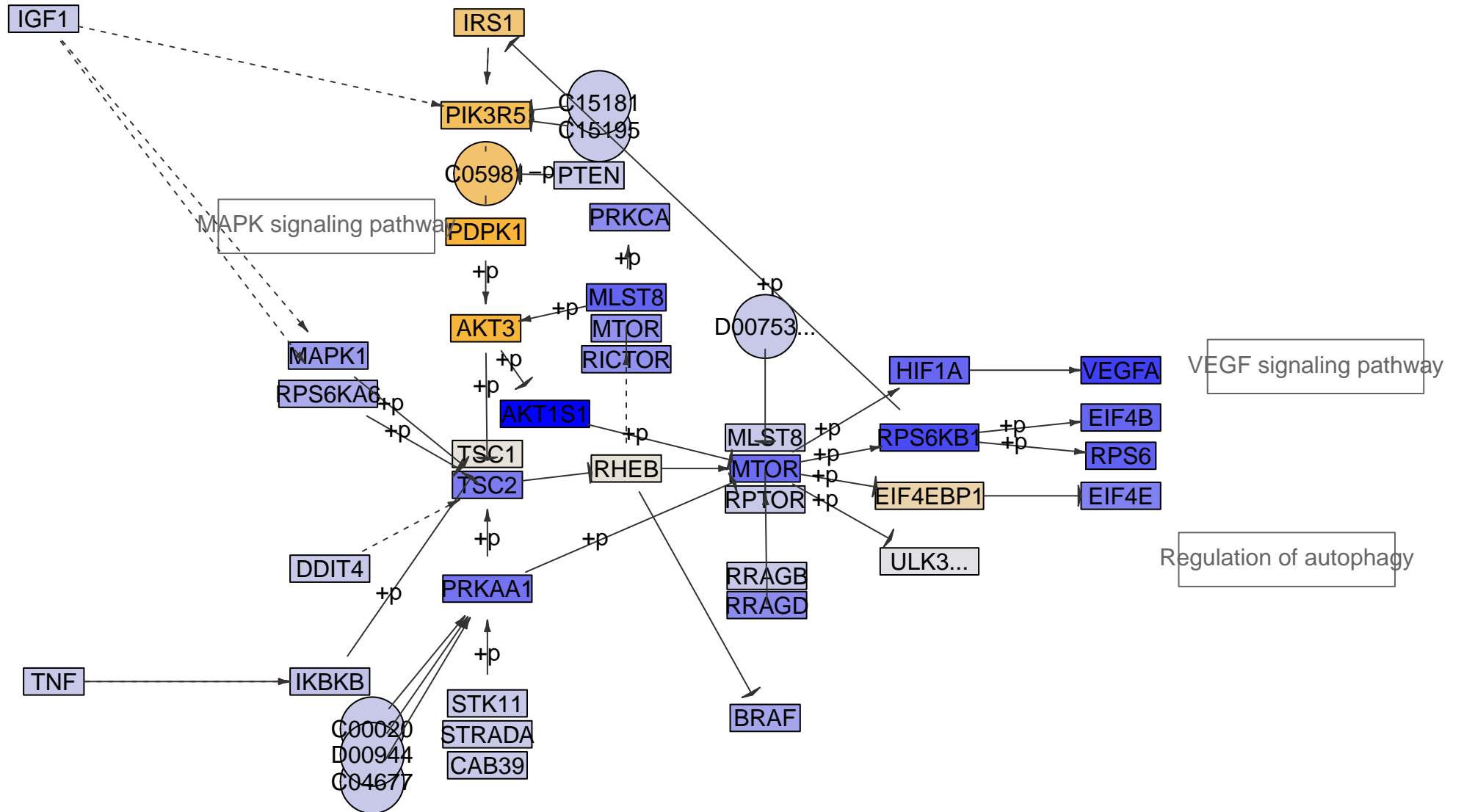
mTOR signaling pathway  
MPI-059

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



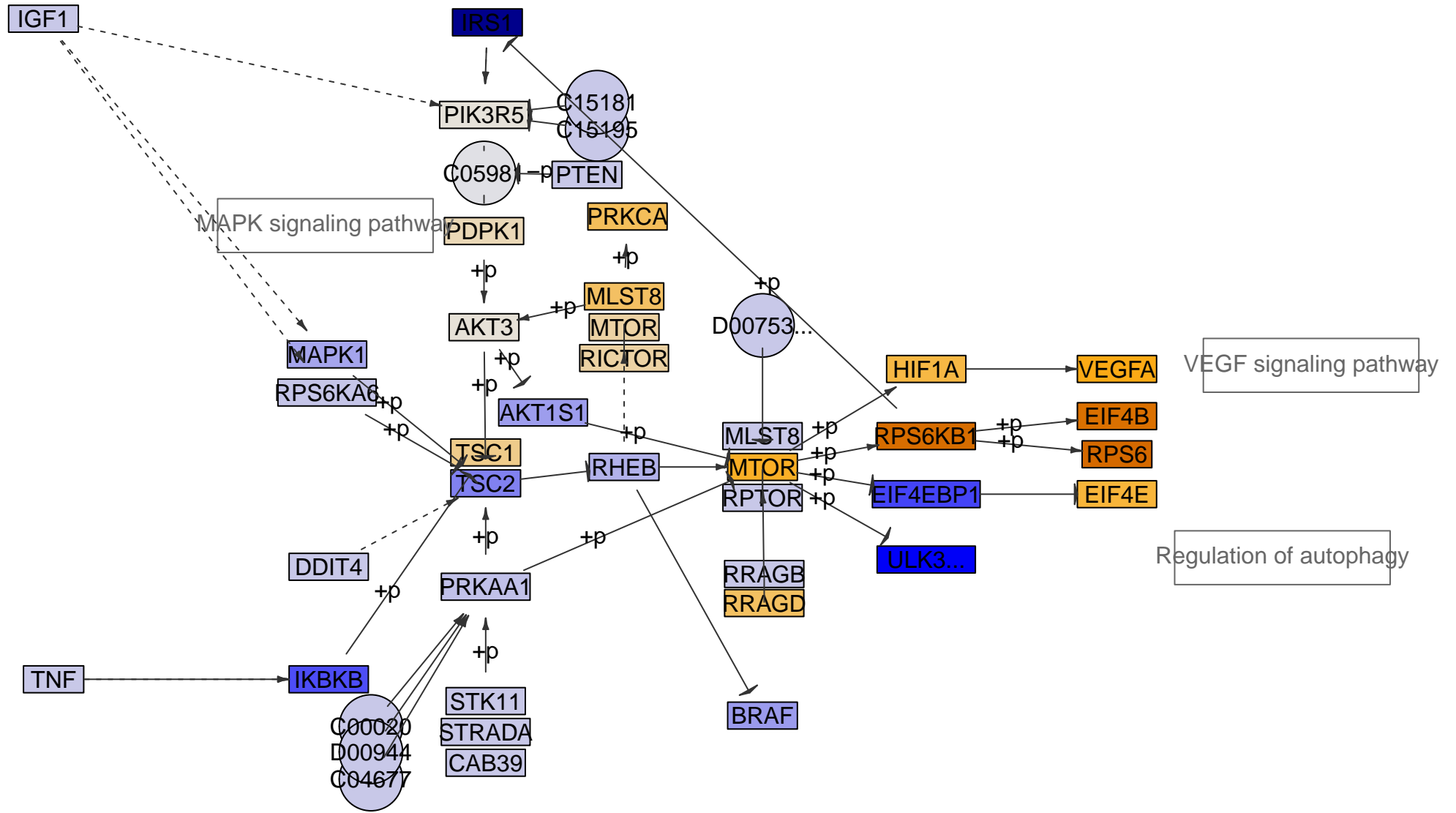
mTOR signaling pathway  
MPI-060

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-061

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR

RICTOR

D00753...

MAPK1

RPS6KA6

TSC1

TSC2

AKT1S1

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

RPS6KB1

EIF4B

RPS6

EIF4EBP1

EIF4E

ULK3...

DDIT4

PRKAA1

RRAGB

RRAGD

BRAF

TNF

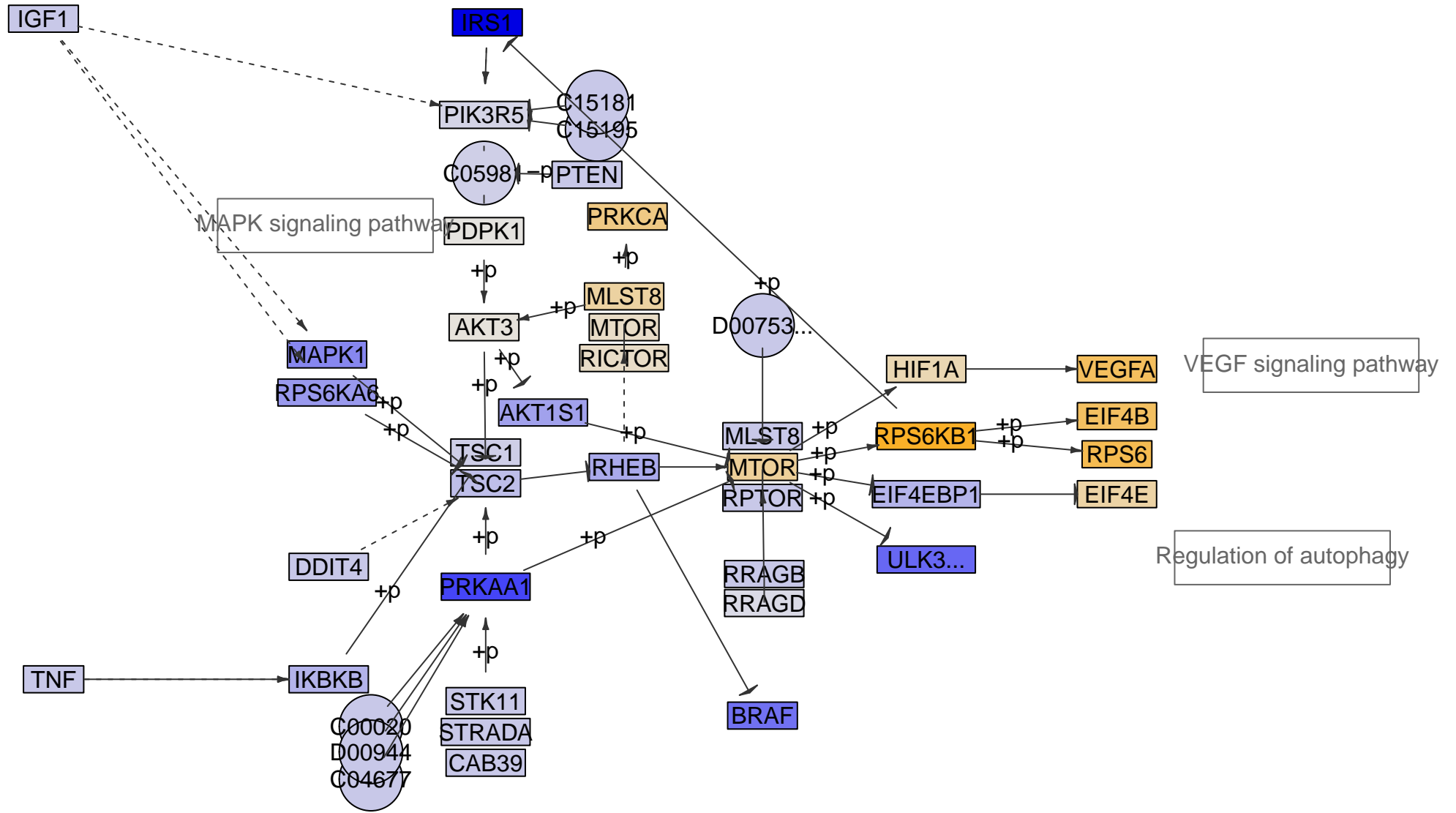
IKBKB

C00020  
D00944  
C04677

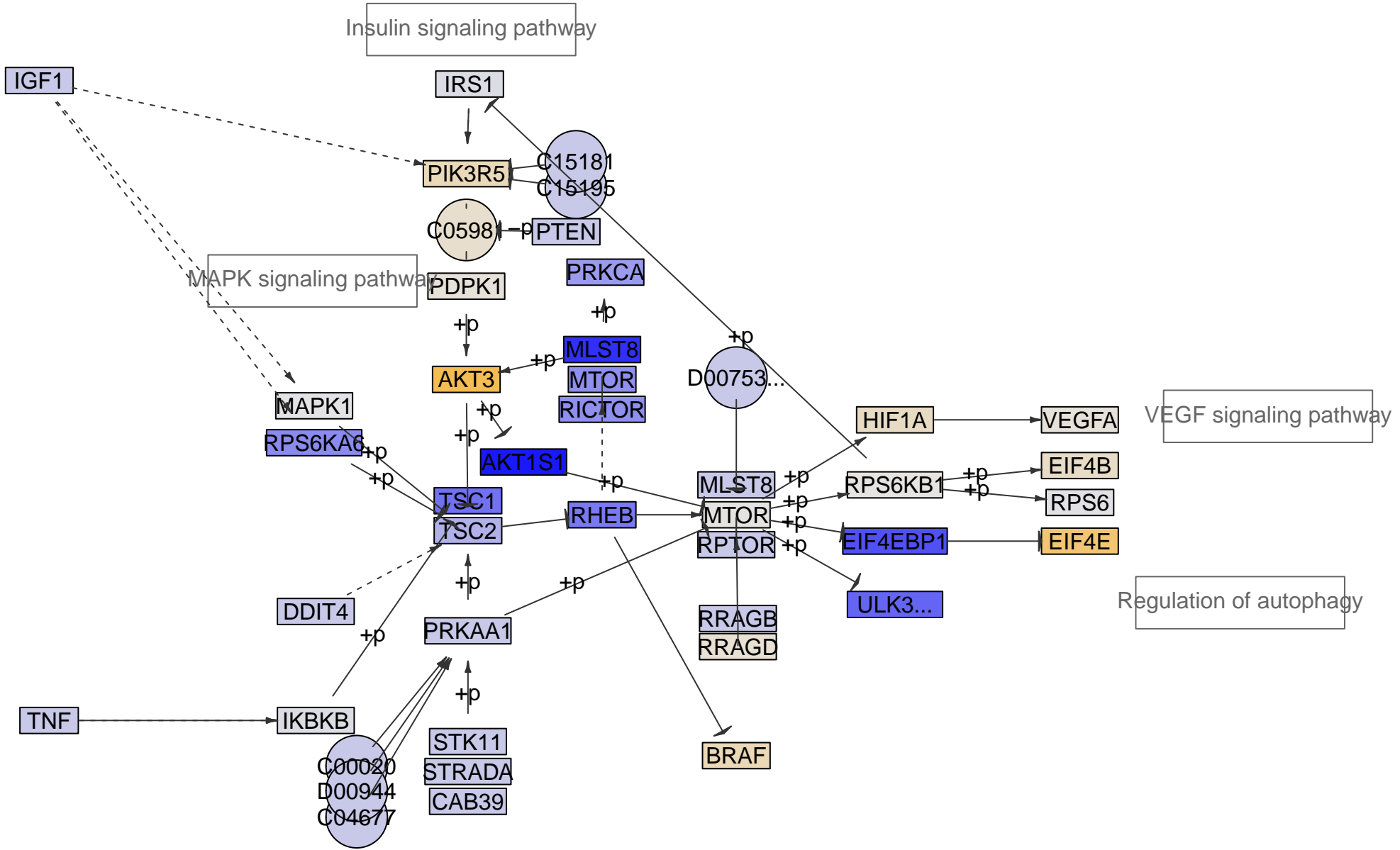
STK11

STRADA

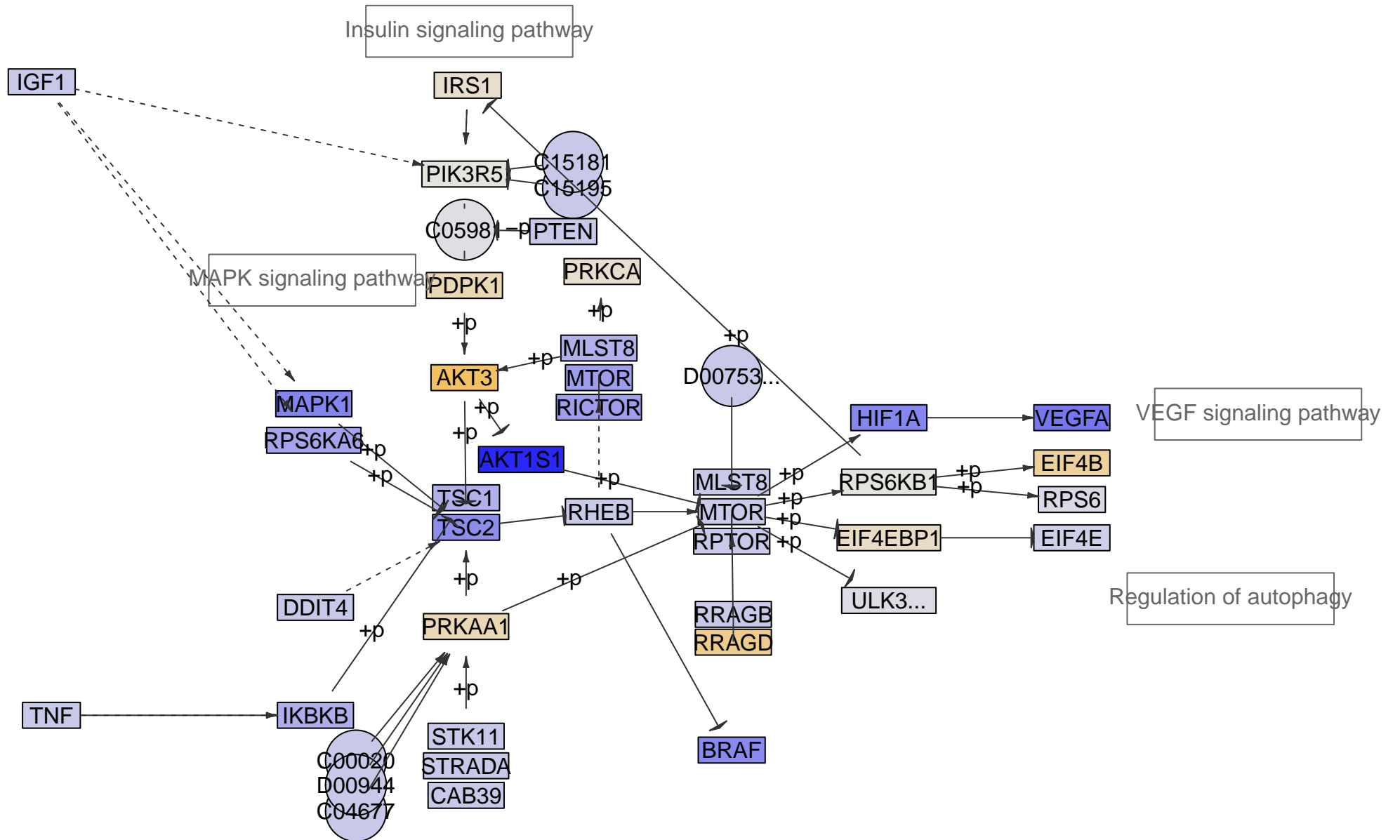
CAB39



mTOR signaling pathway  
MPI-064



mTOR signaling pathway  
MPI-070





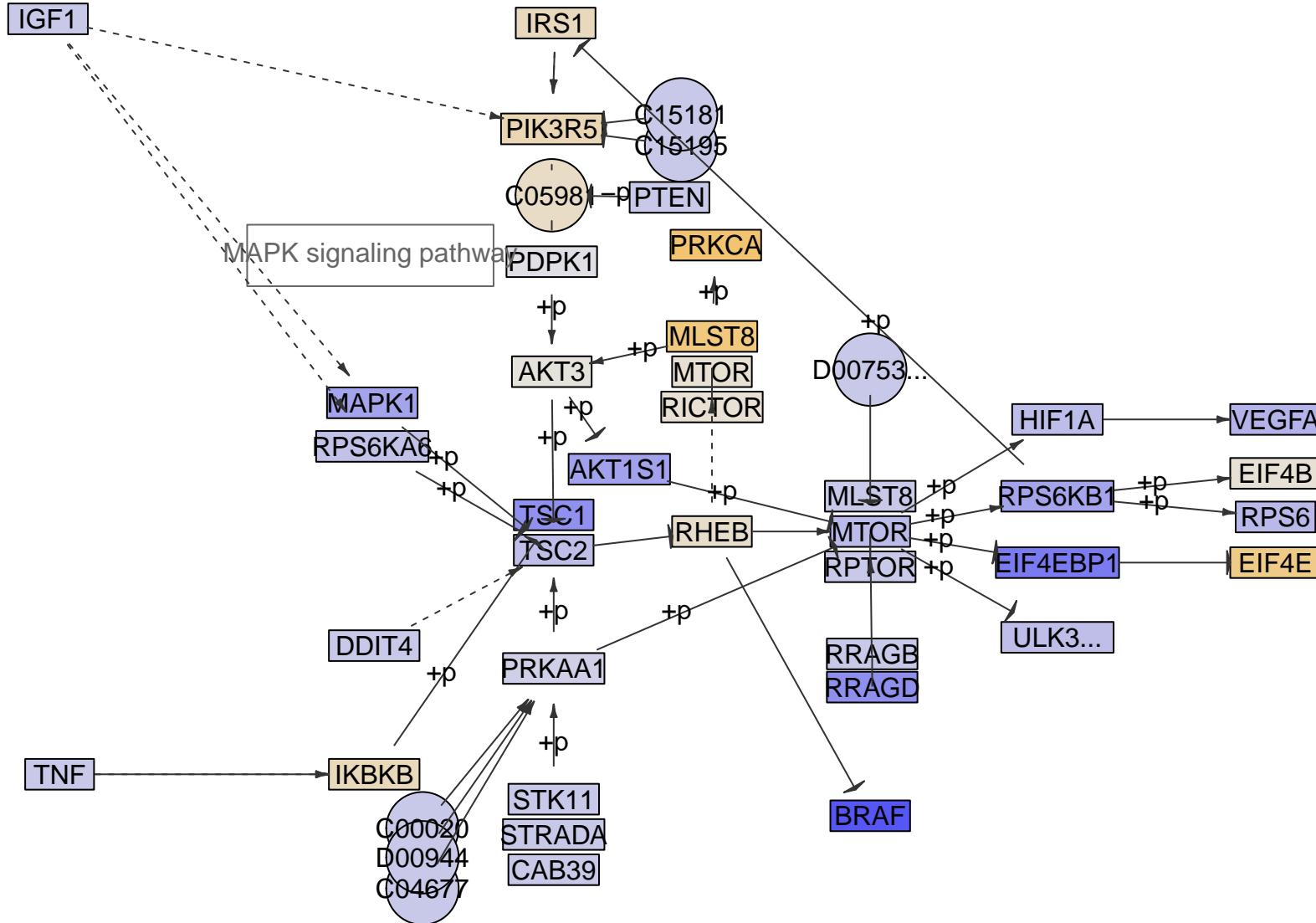
mTOR signaling pathway  
MPI-072

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



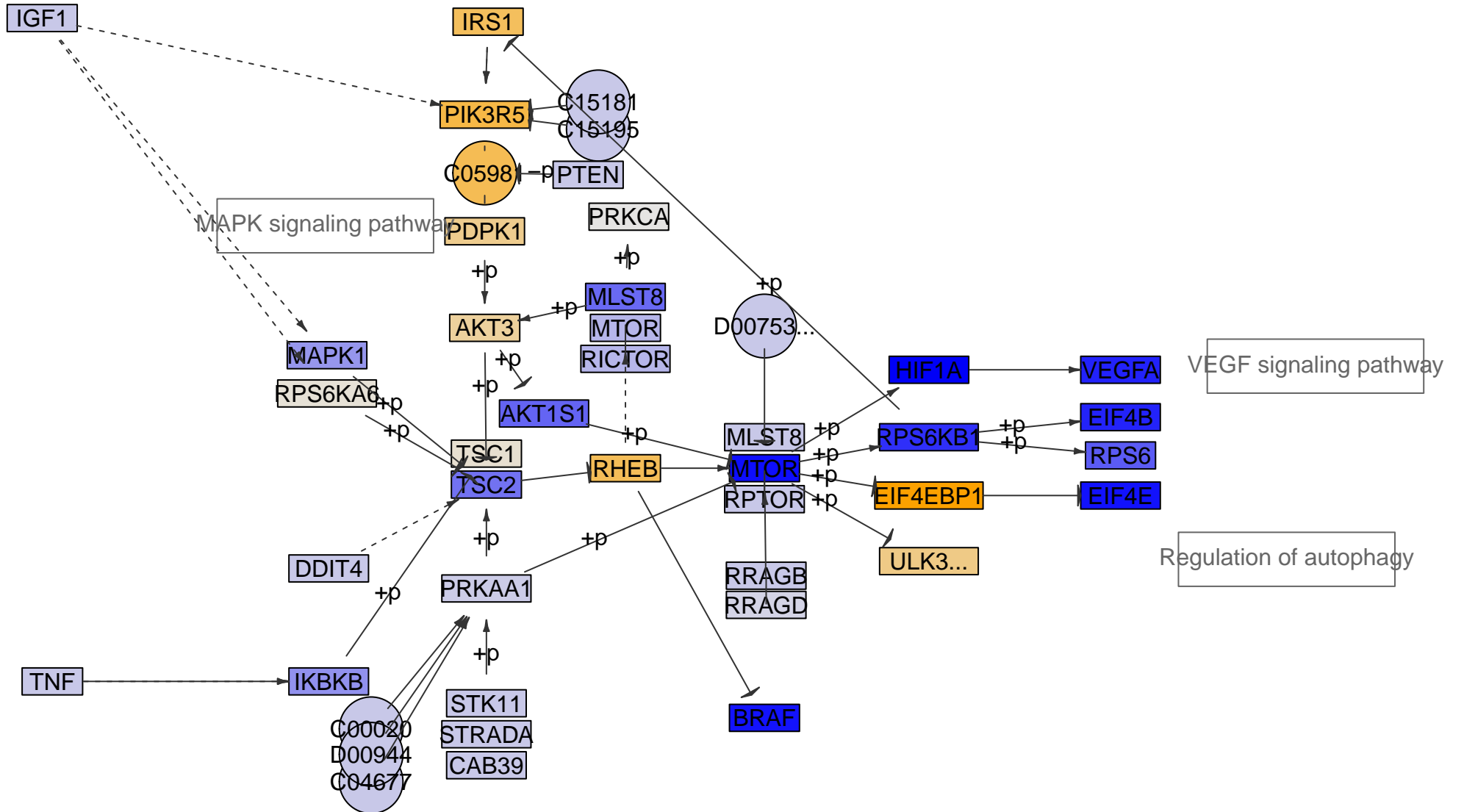
mTOR signaling pathway  
MPI-093

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-094

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

MAPK1

AKT3

MLST8

MTOR

RICTOR

D00753...

HIF1A

VEGFA

RPS6KA6

TSC1

TSC2

AKT1S1

RHEB

MLST8

MTOR

RPTOR

RPS6KB1

EIF4EBP1

EIF4B

RPS6

EIF4E

ULK3...

DDIT4

PRKAA1

RRAGB

RRAGD

TNF

IKBKB

C00020

D00944

C04677

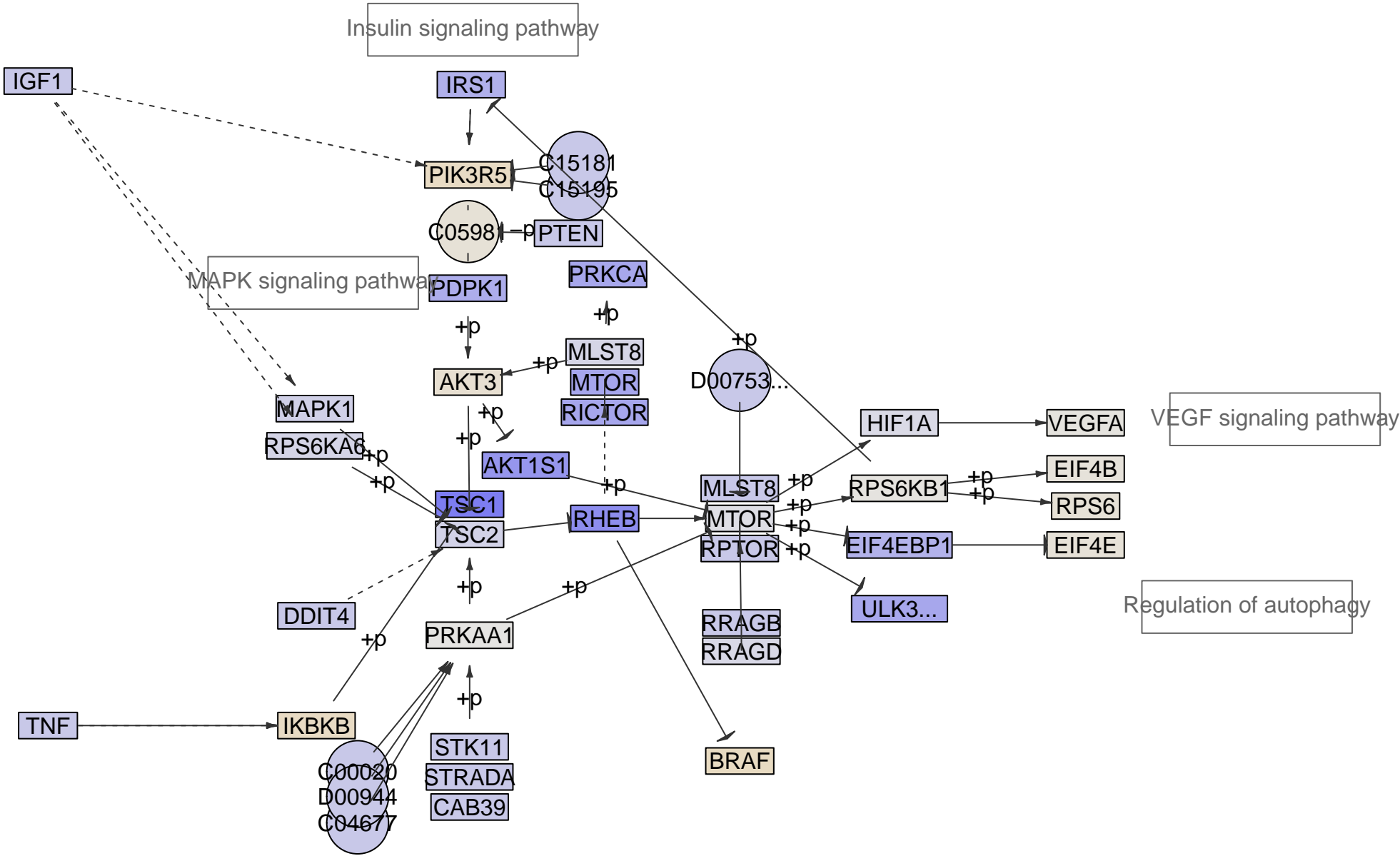
STK11

STRADA

CAB39

BRAF

mTOR signaling pathway  
MPI-099



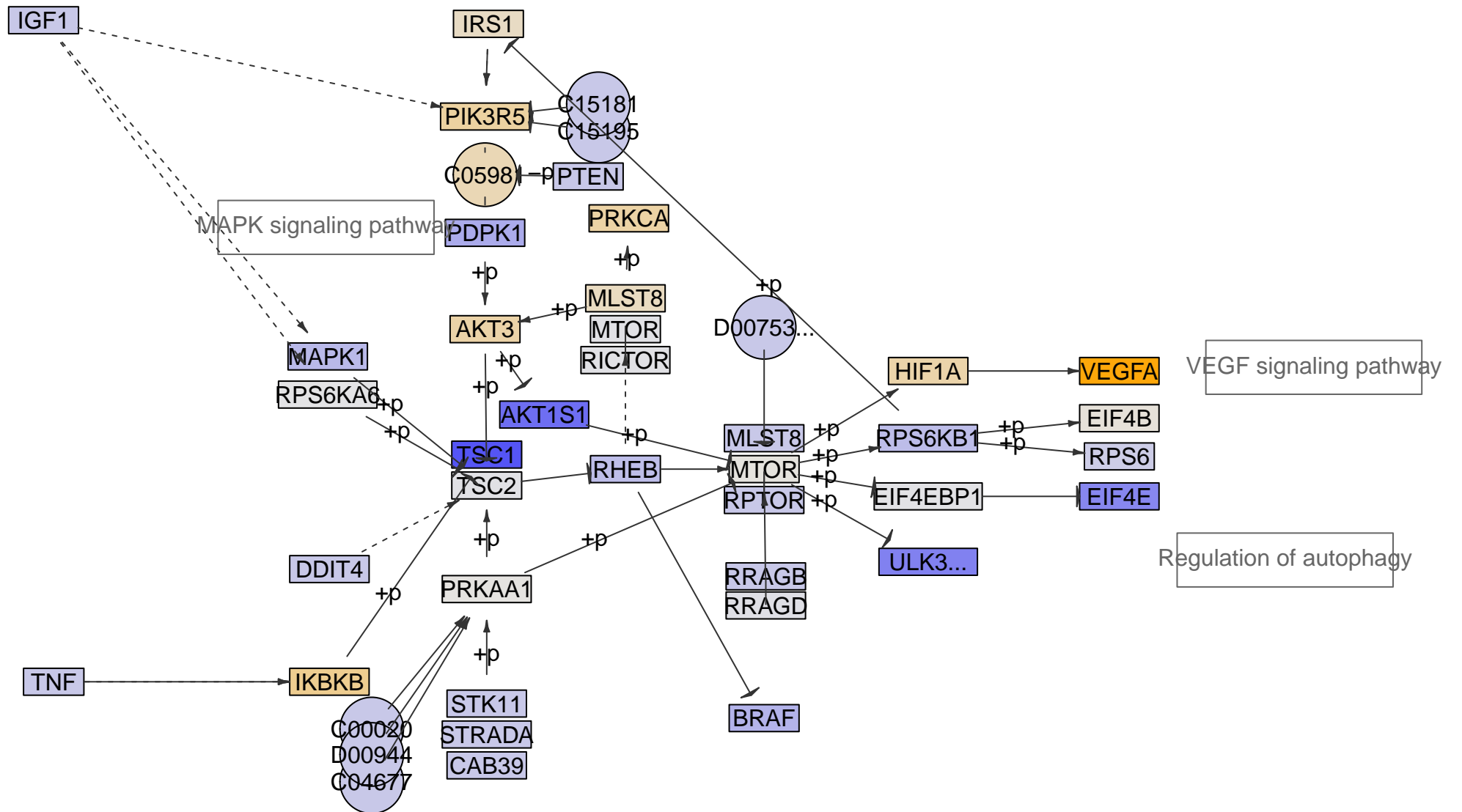
mTOR signaling pathway  
MPI-104

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



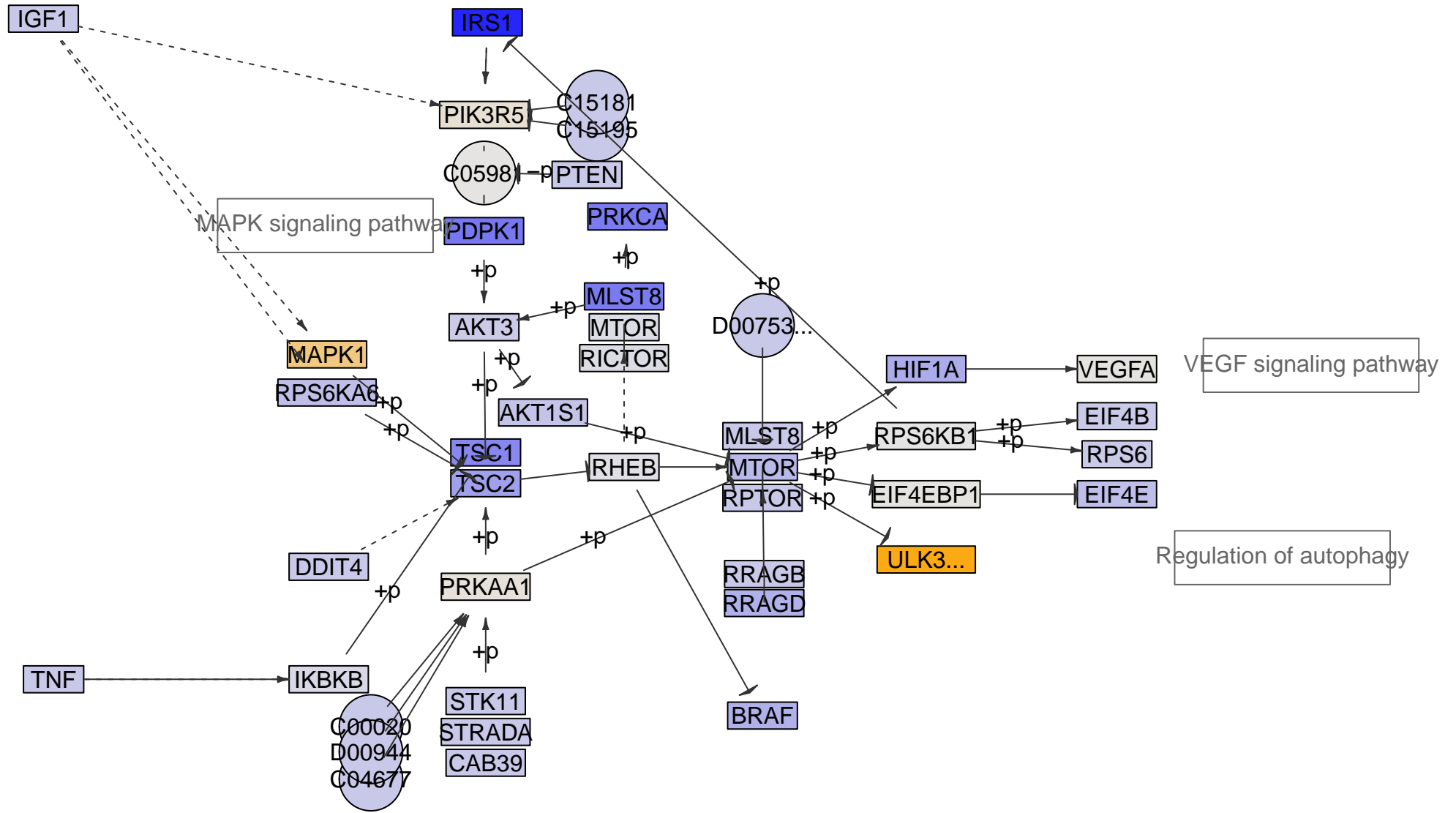
mTOR signaling pathway  
MPI-107

Insulin signaling pathway

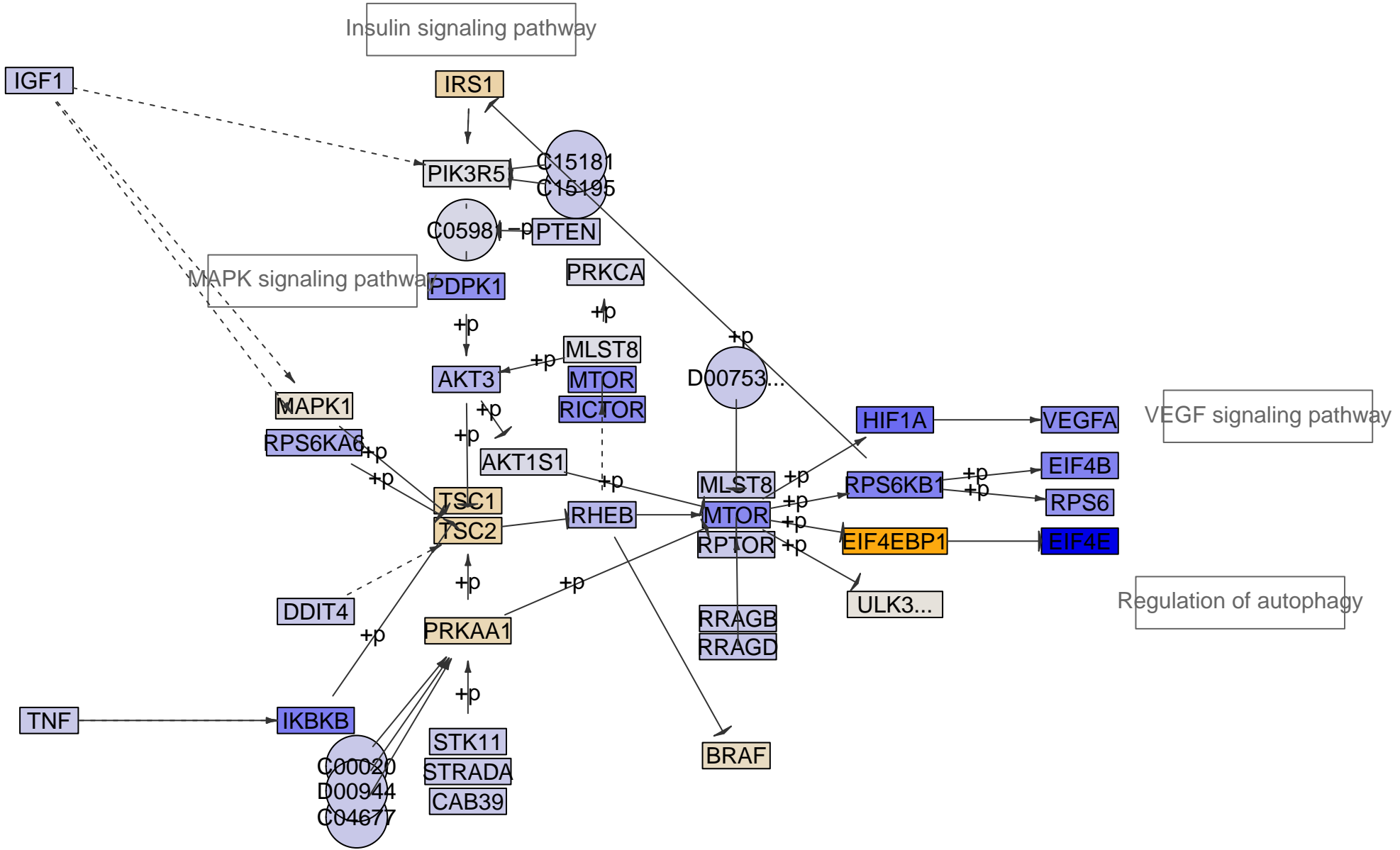
MAPK signaling pathway

VEGF signaling pathway

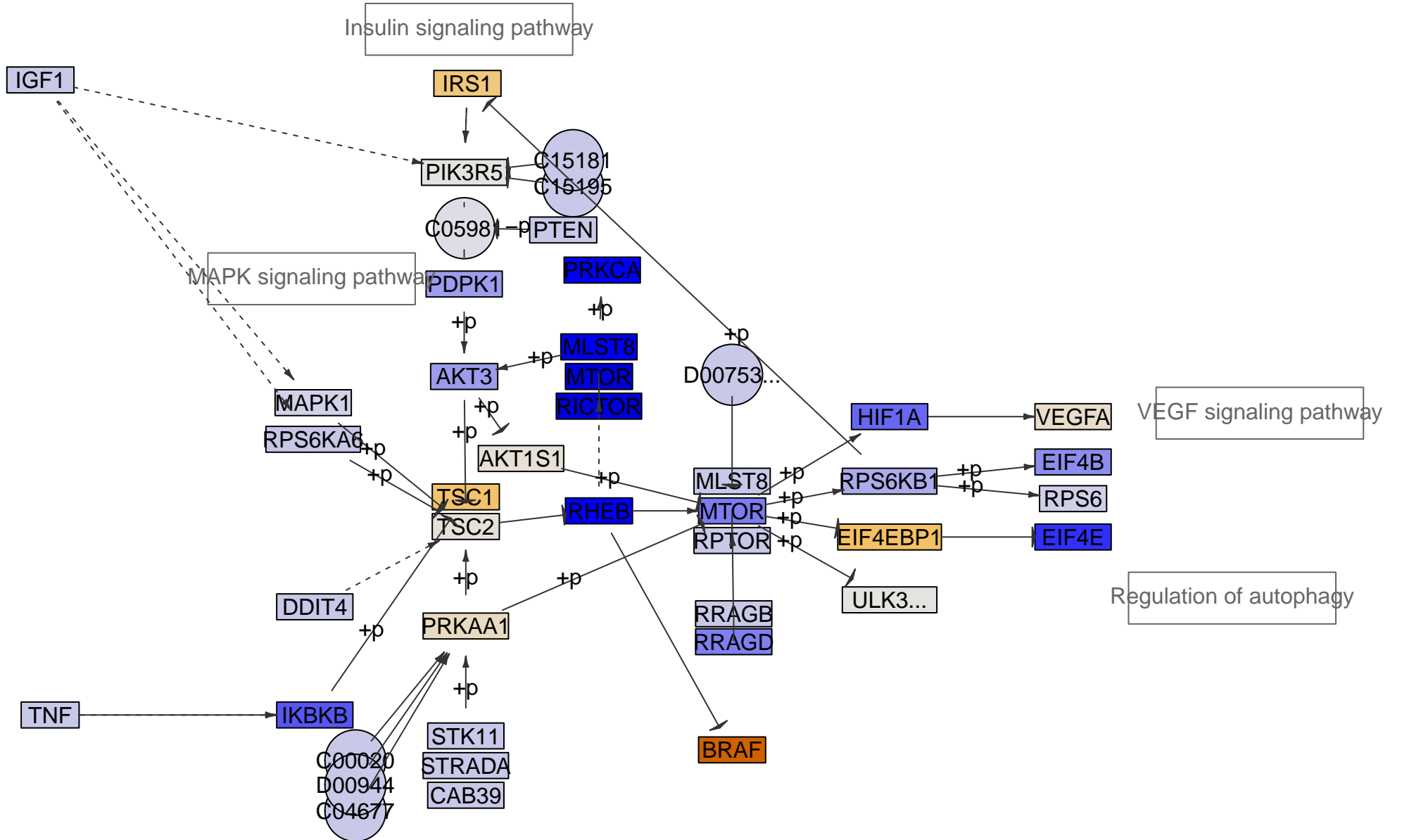
Regulation of autophagy



mTOR signaling pathway  
MPI-112

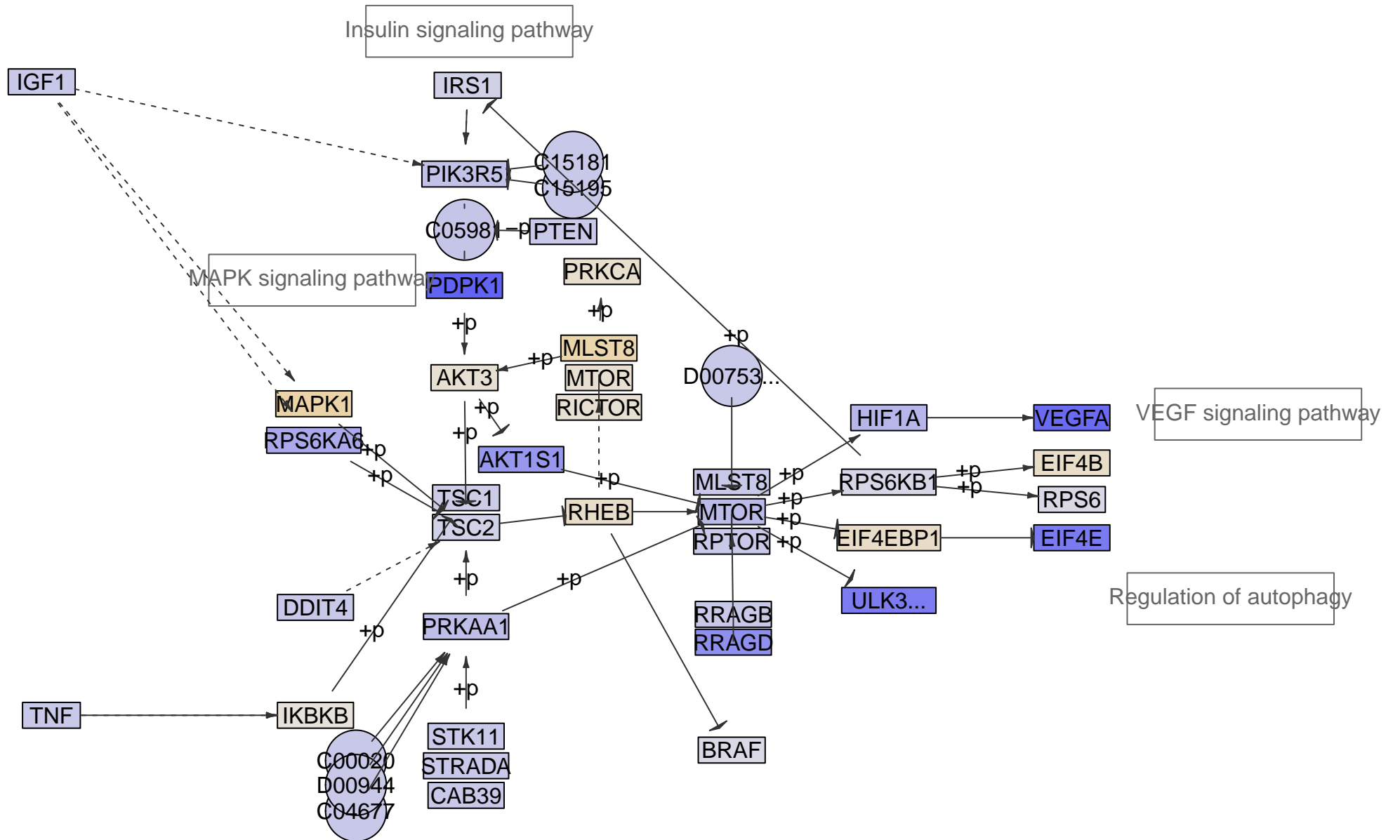


mTOR signaling pathway  
MPI-116





mTOR signaling pathway  
MPI-117



mTOR signaling pathway  
MPI-120

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR

RICTOR

MAPK1

RPS6KA6

TSC1

TSC2

AKT1S1

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

RPS6KB1

EIF4B

RPS6

EIF4EBP1

EIF4E

ULK3...

DDIT4

PRKAA1

RRAGB

RRAGD

BRAF

TNF

IKBKB

C00020

D00944

C04677

STK11

STRADA

CAB39

D00753...

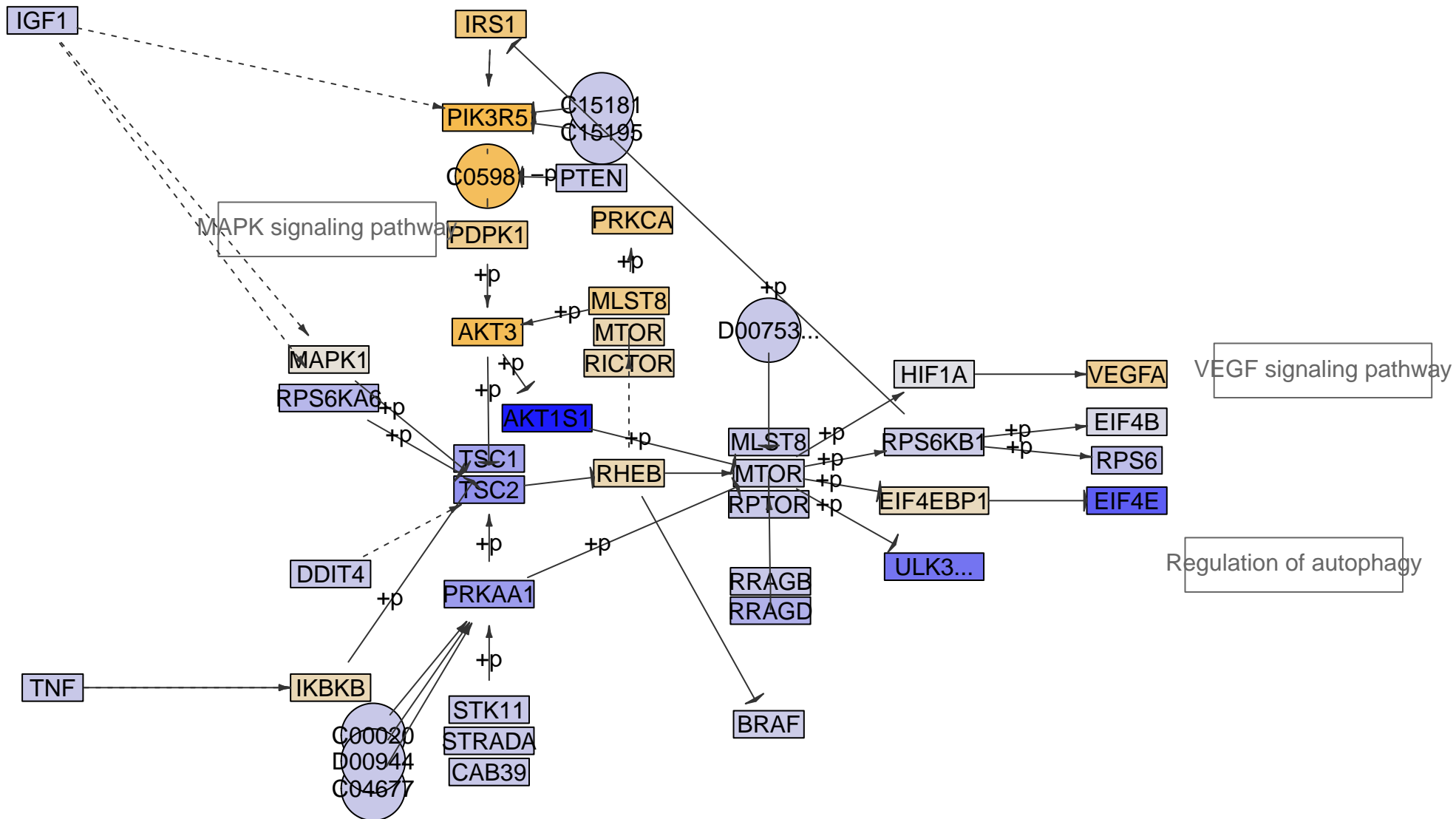
mTOR signaling pathway  
MPI-121

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



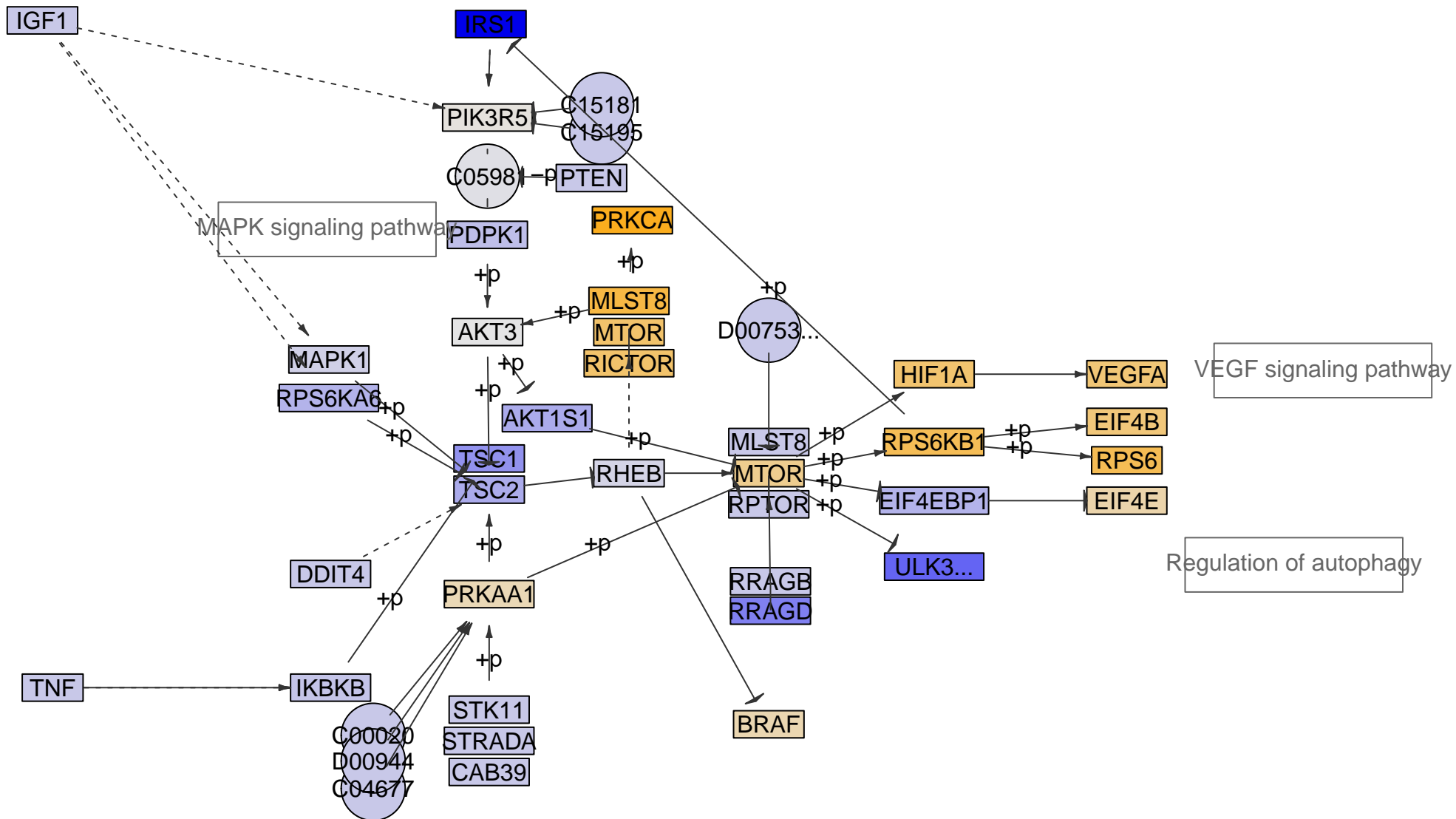
mTOR signaling pathway  
MPI-124

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-126

Insulin signaling pathway

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR

RICTOR

D00753...

MAPK1

RPS6KA6

HIF1A

VEGFA

VEGF signaling pathway

TSC1

TSC2

AKT1S1

RHEB

MLST8

MTOR

RPS6KB1

EIF4B

RPS6

RPTOR

EIF4EBP1

EIF4E

ULK3...

Regulation of autophagy

DDIT4

PRKAA1

BRAF

TNF

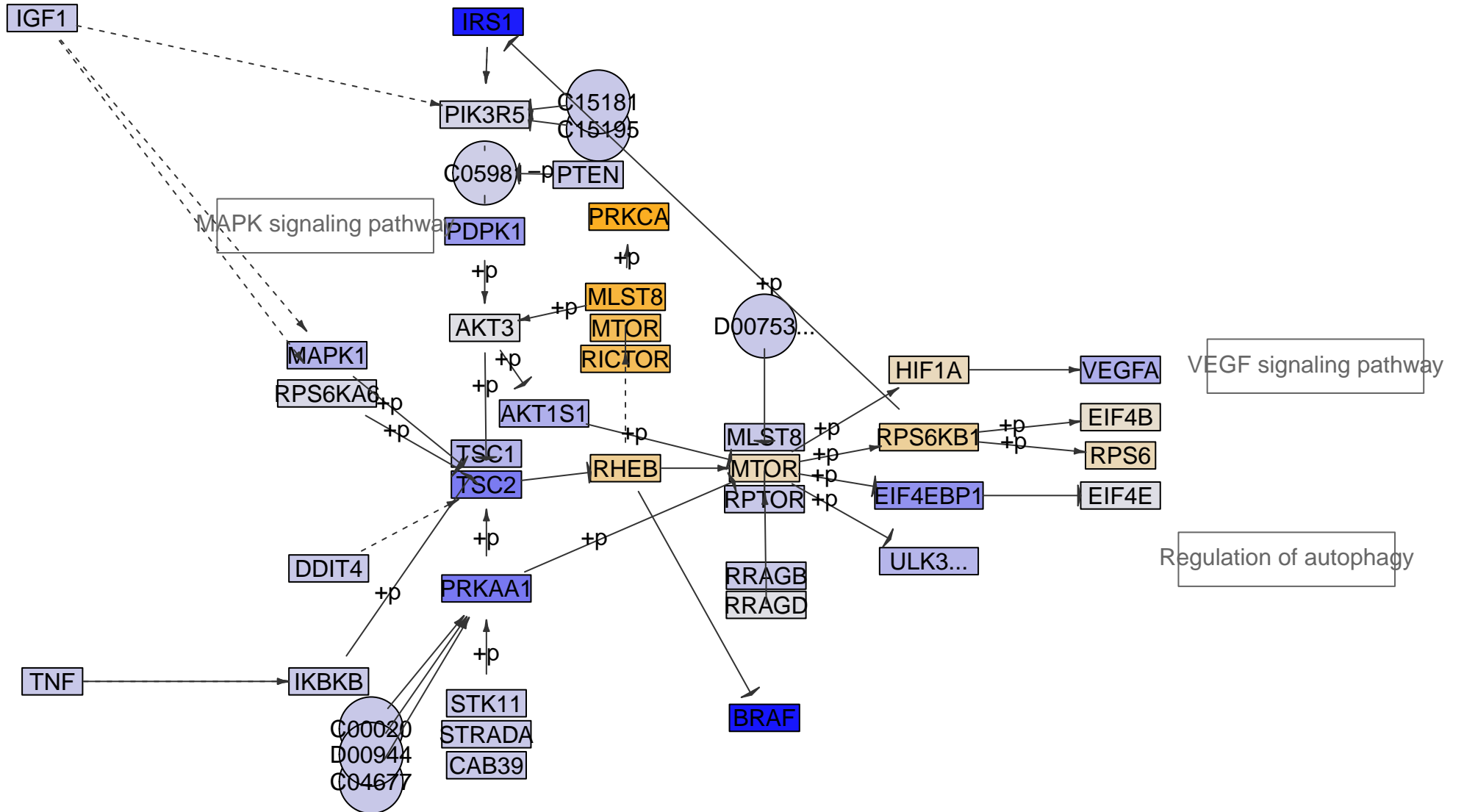
IKBKB

C00020  
D00944  
C04677

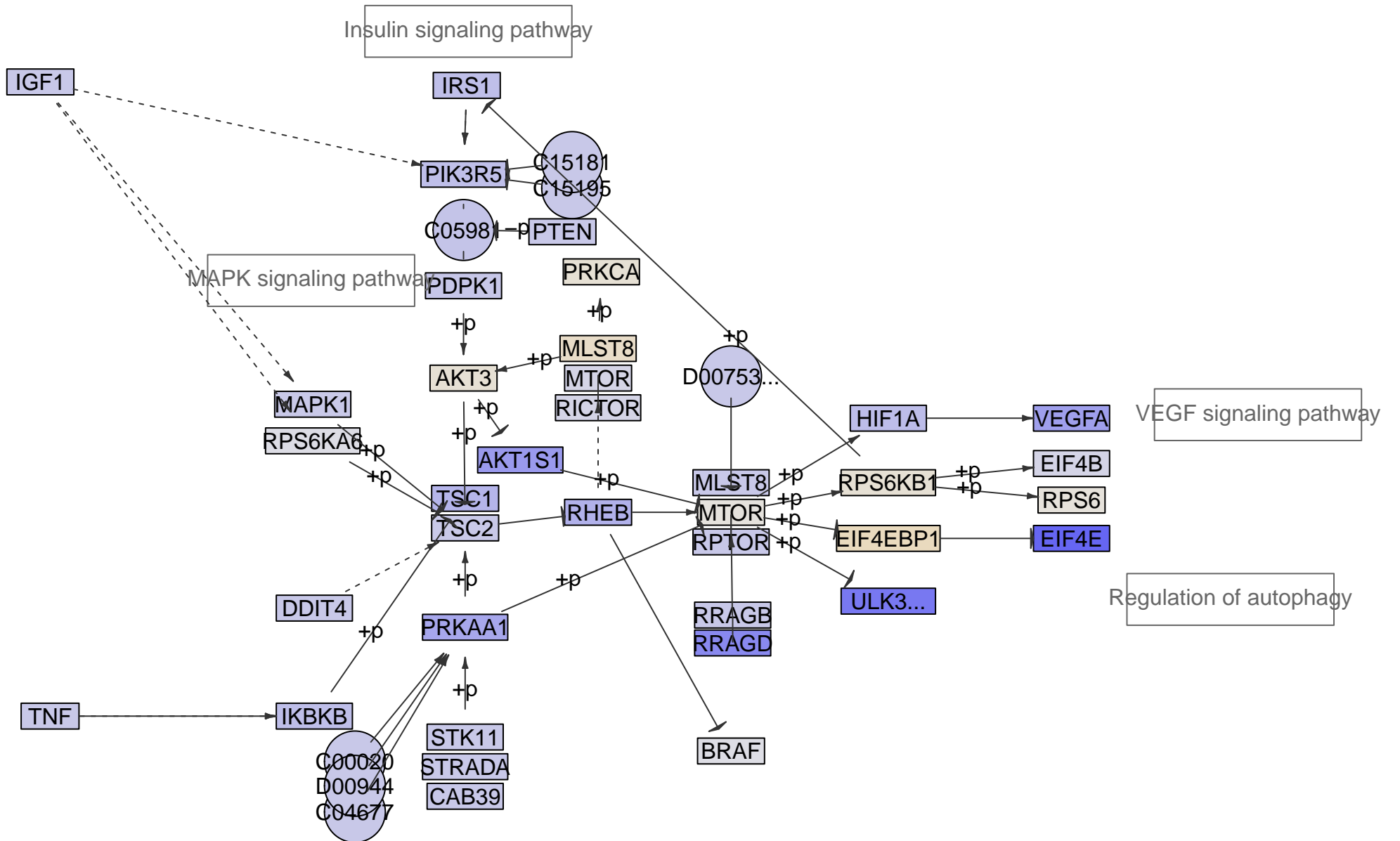
STK11

STRADA

CAB39



mTOR signaling pathway  
MPI-131



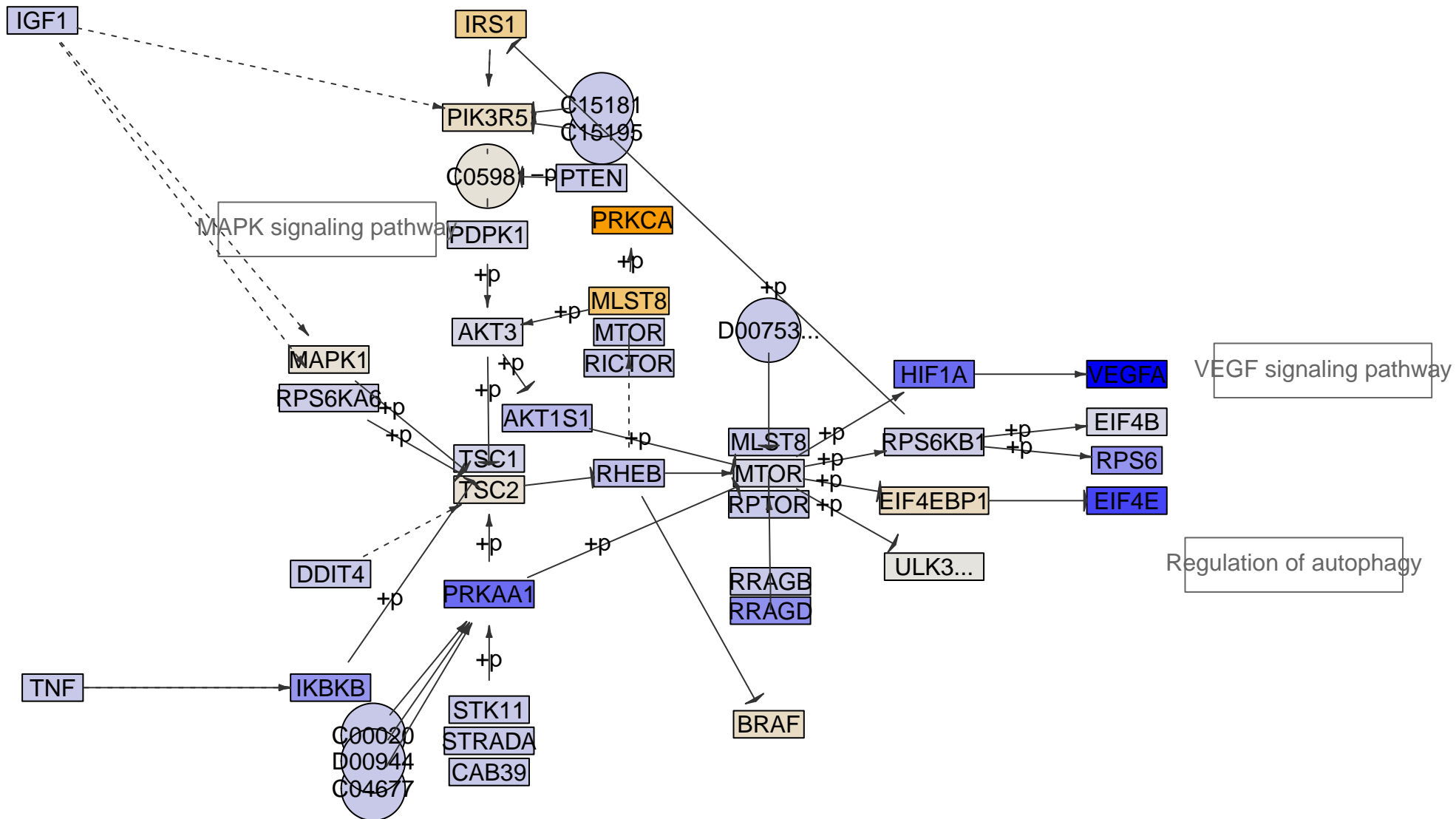
mTOR signaling pathway  
MPI-143

Insulin signaling pathway

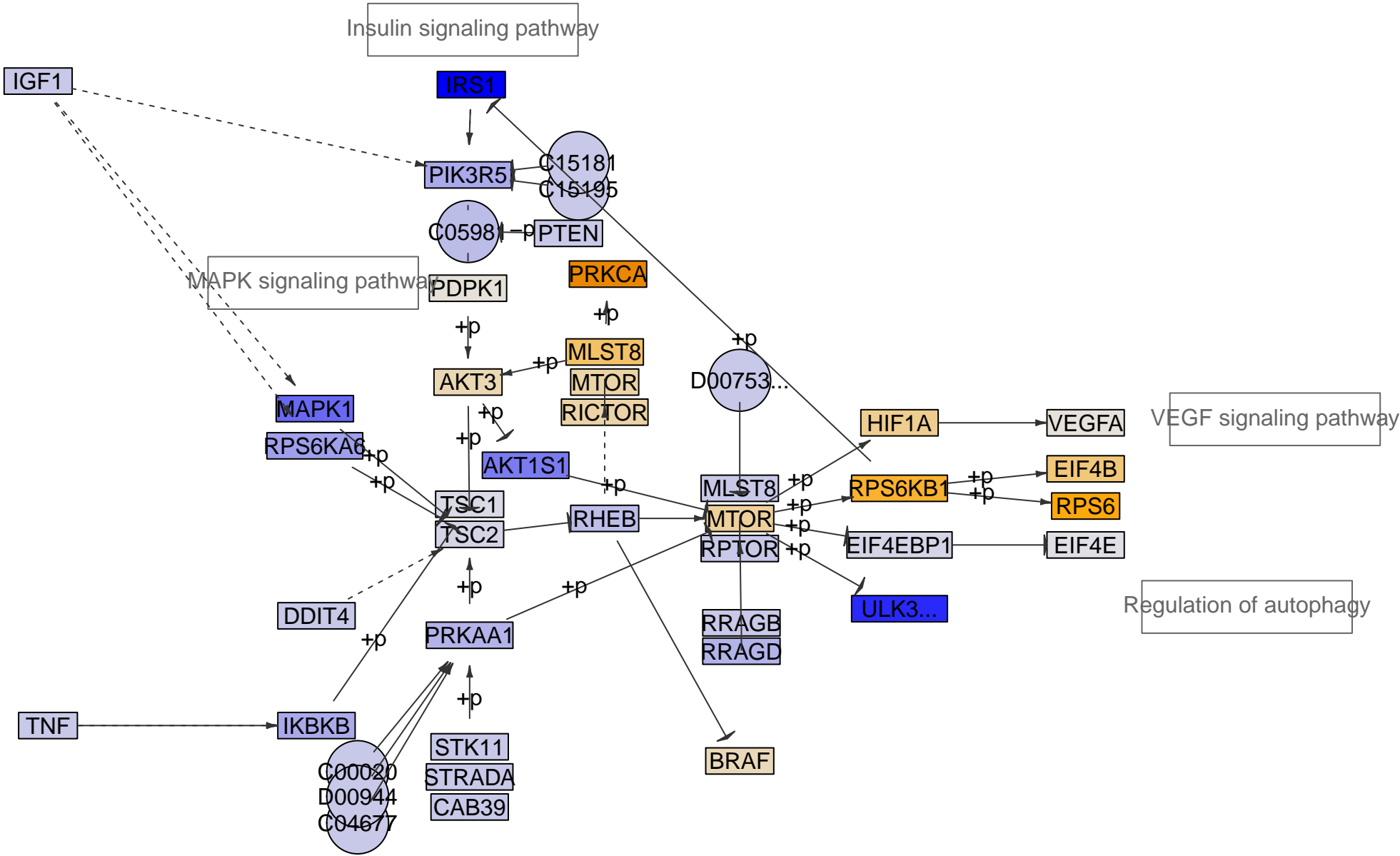
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-148





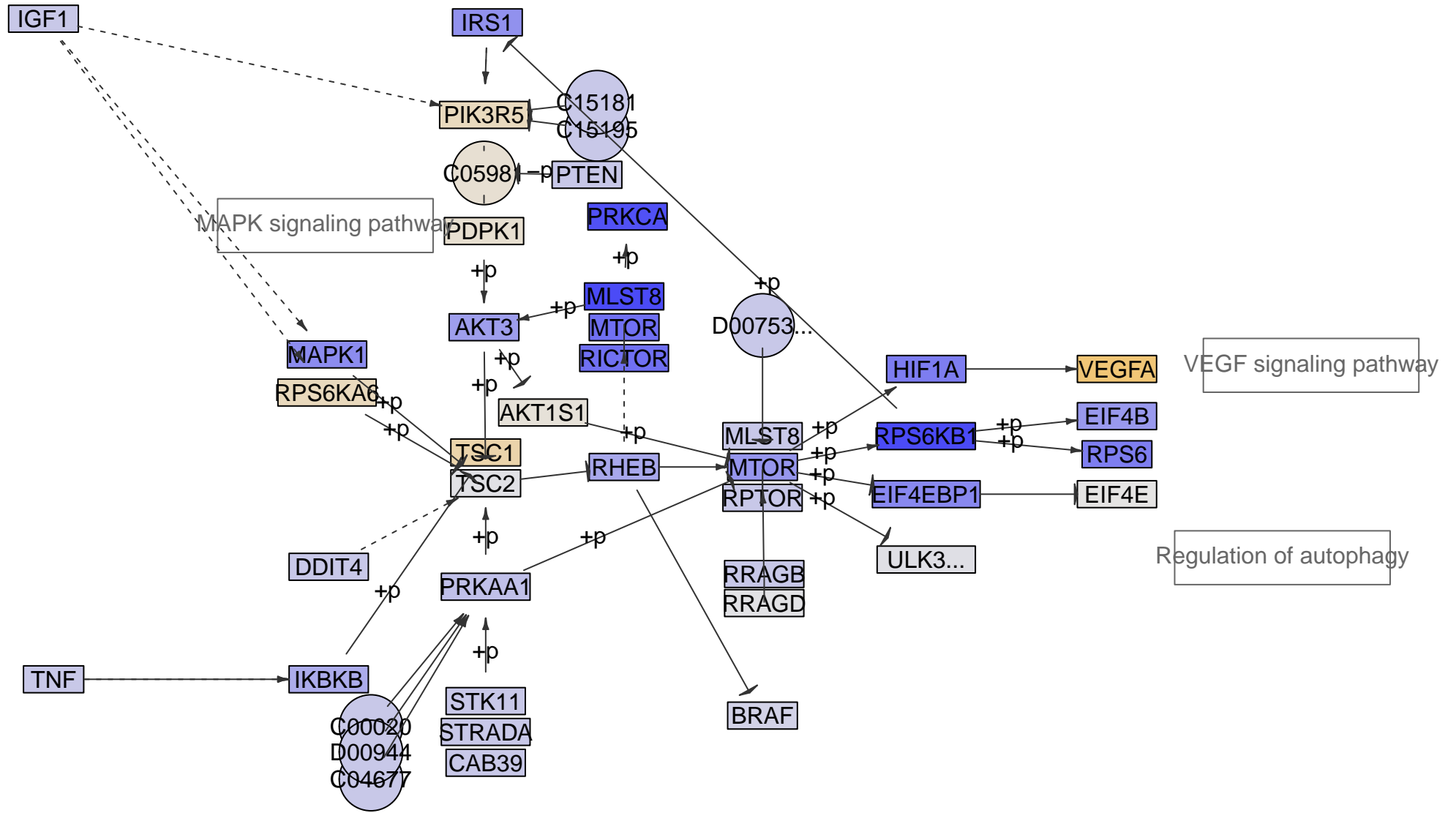
mTOR signaling pathway  
MPI-161

Insulin signaling pathway

MAPK signaling pathway

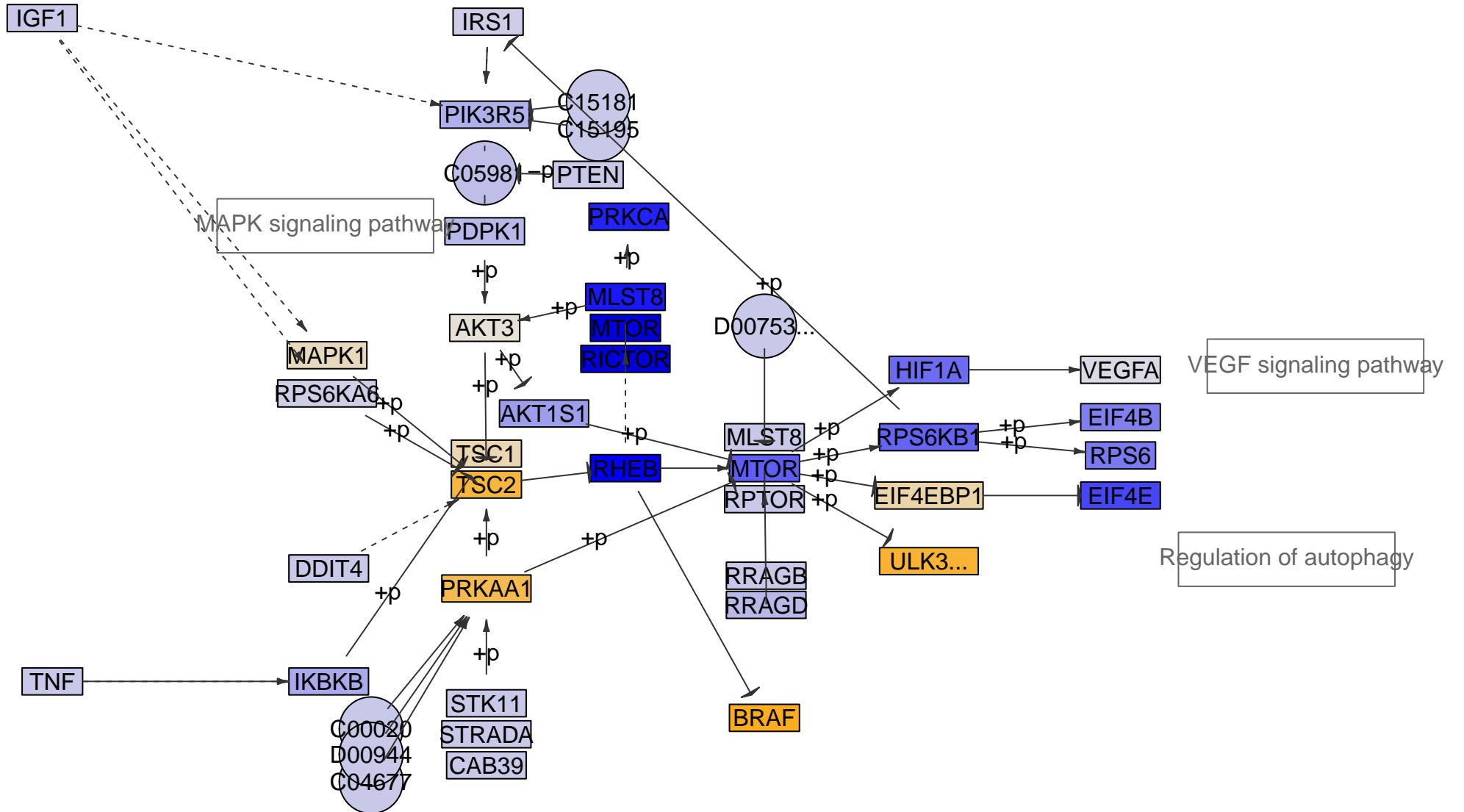
VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-162

Insulin signaling pathway



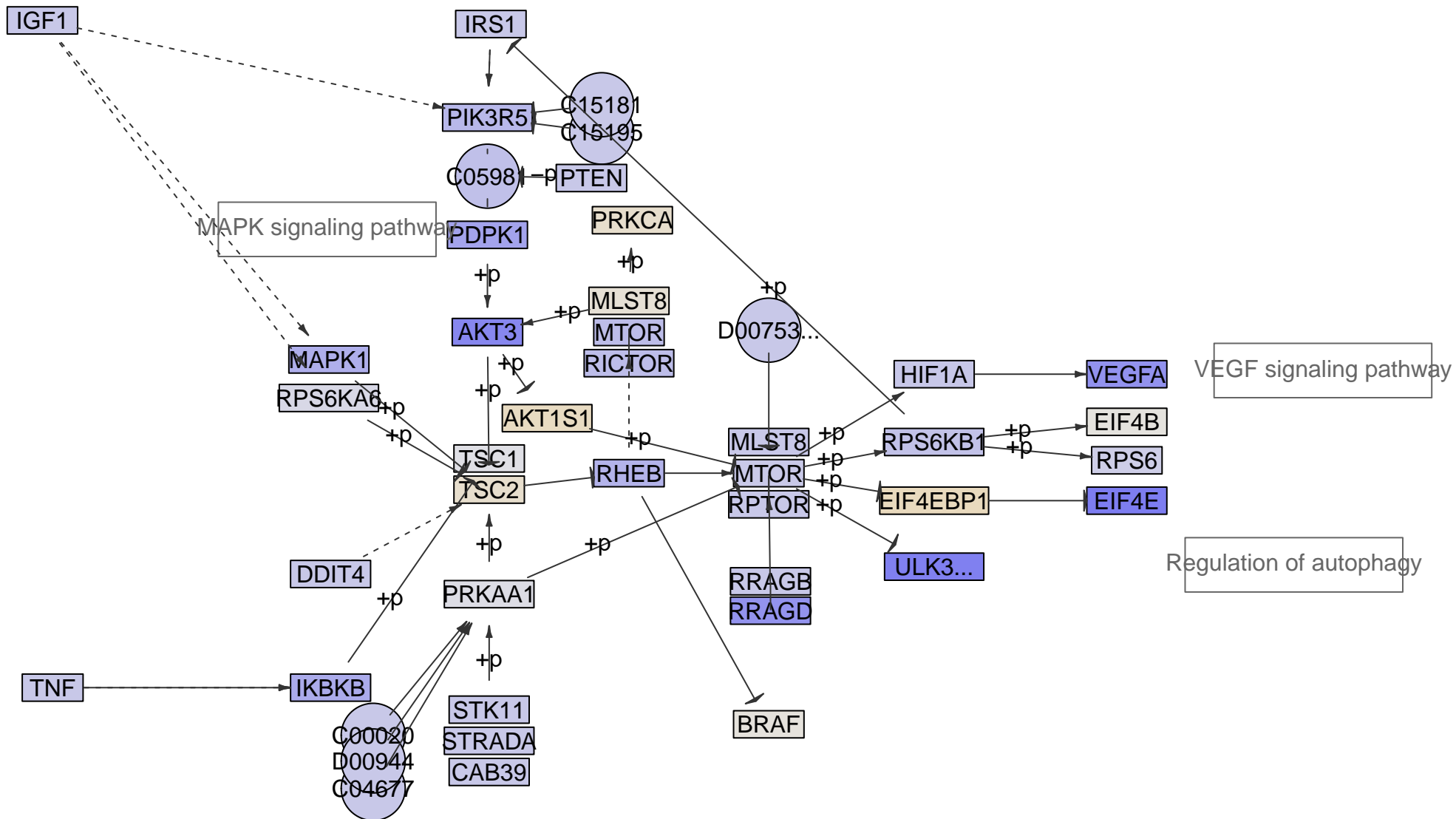
mTOR signaling pathway  
MPI-165

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



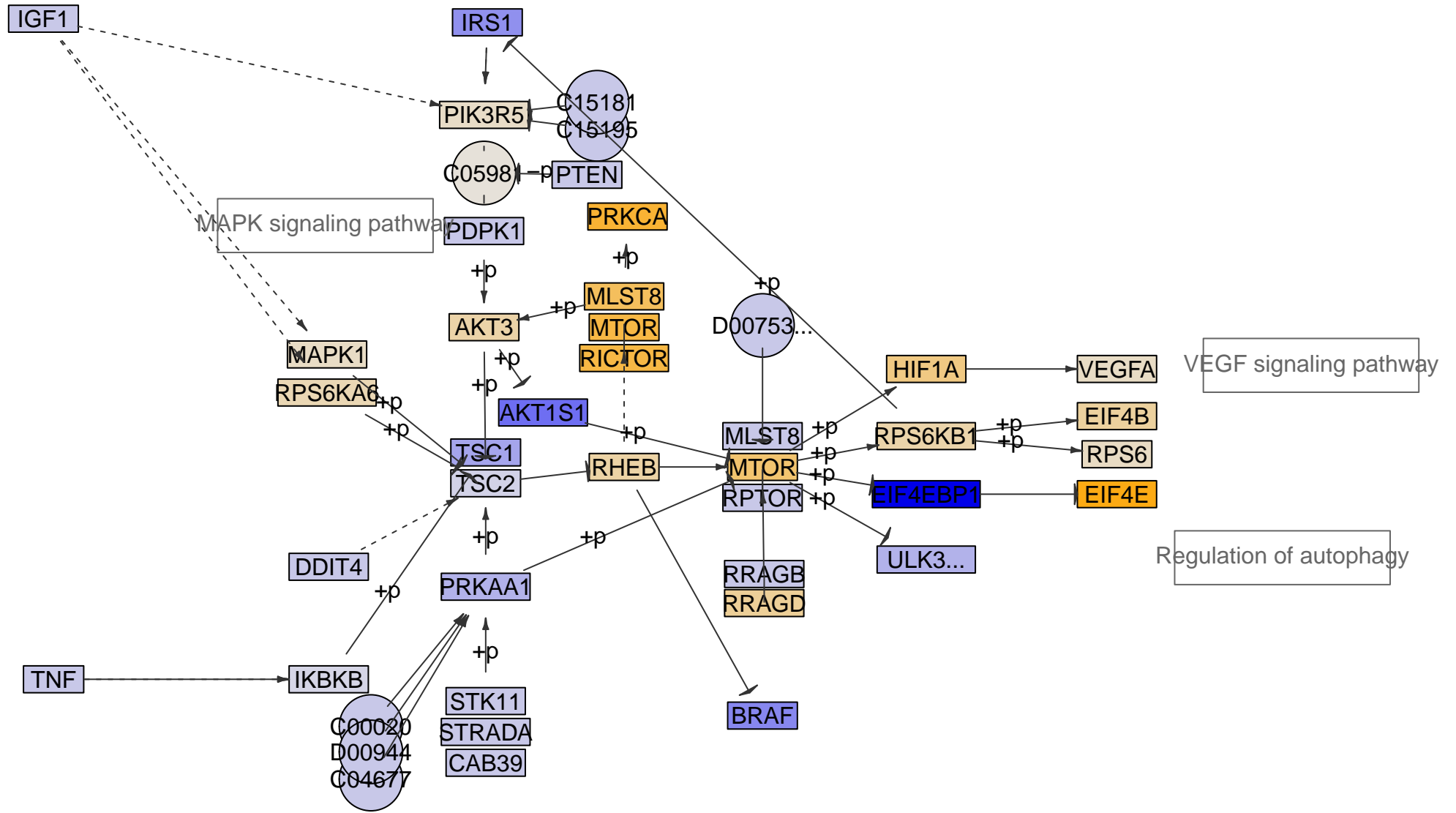
mTOR signaling pathway  
MPI-169

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-175

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR

RICTOR

D00753...

MAPK1

RPS6KA6

TSC1

TSC2

AKT1S1

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

RPS6KB1

EIF4B

RPS6

EIF4EBP1

EIF4E

ULK3...

DDIT4

PRKAA1

RRAGB  
RRAGD

TNF

IKBKB

C00020

D00944

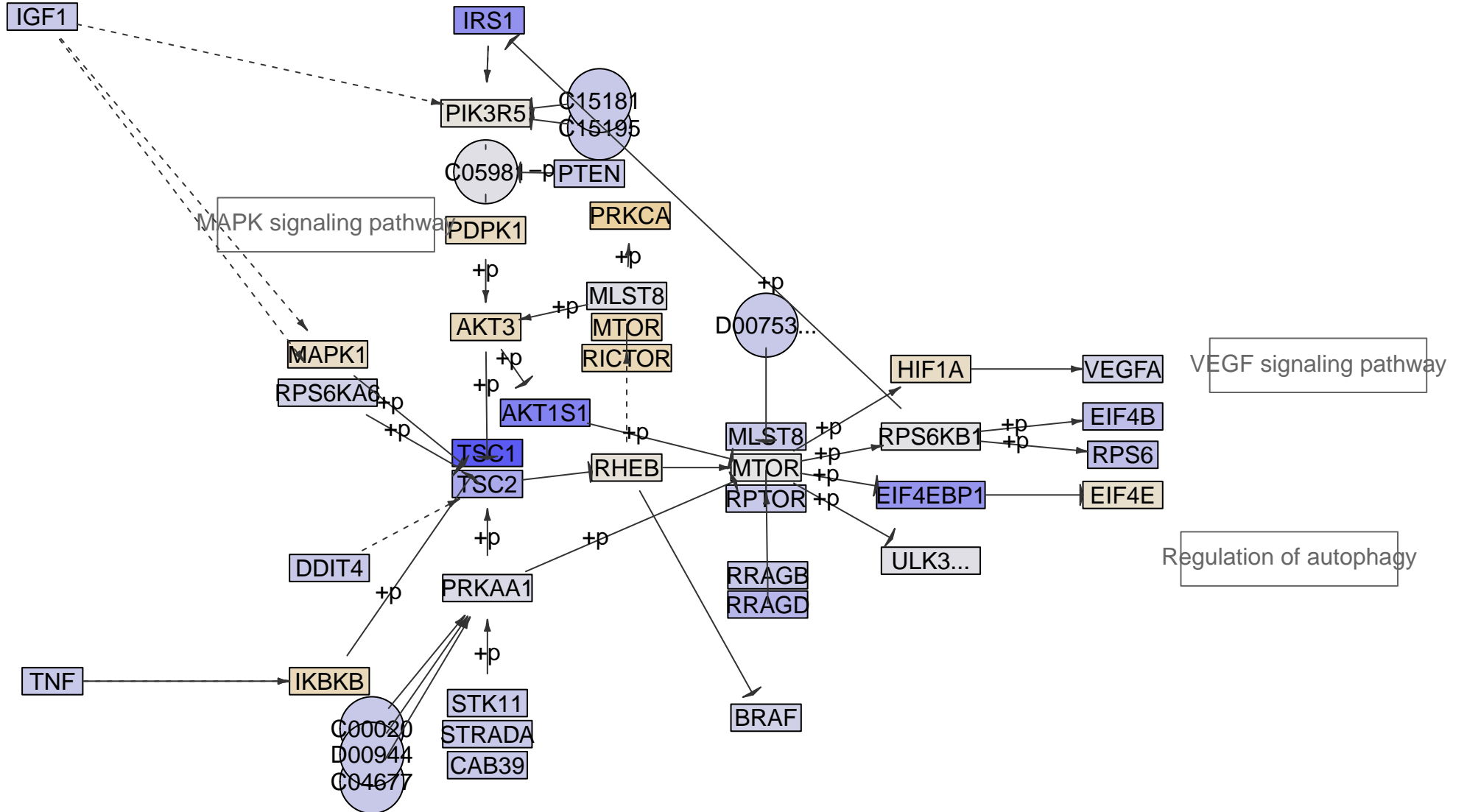
C04677

STK11

STRADA

CAB39

BRAF



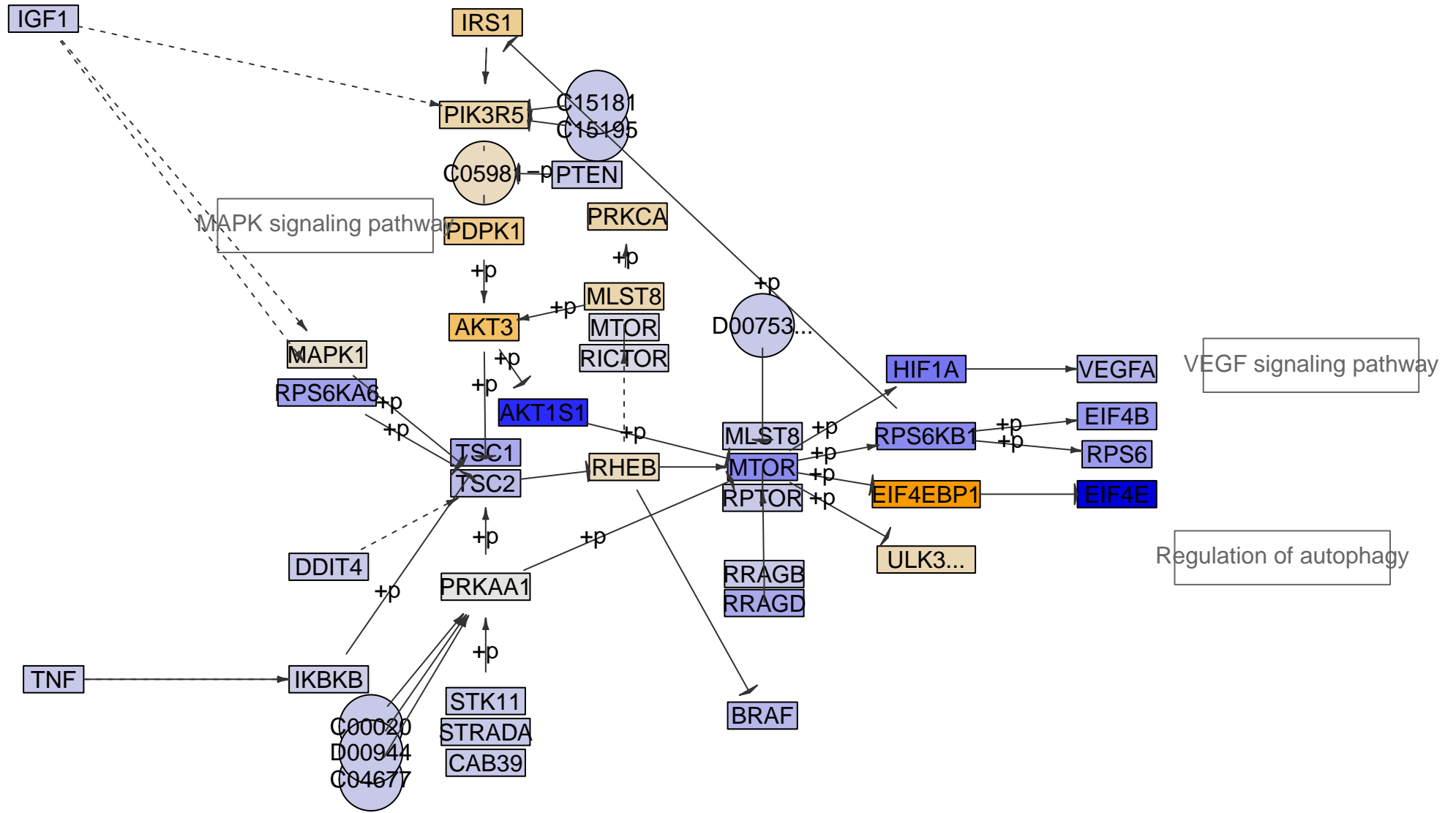
mTOR signaling pathway  
MPI-187

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



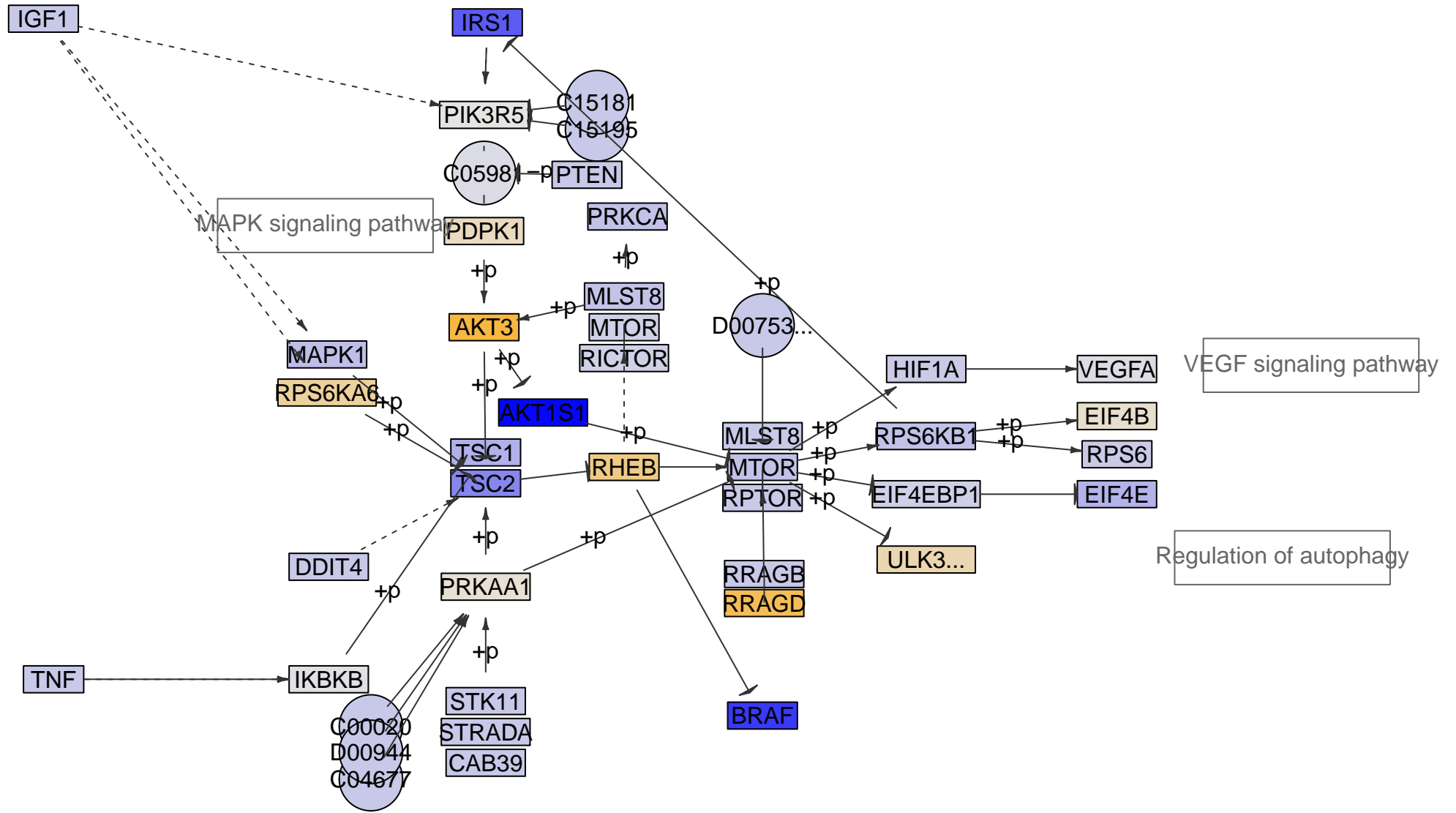
mTOR signaling pathway  
MPI-193

Insulin signaling pathway

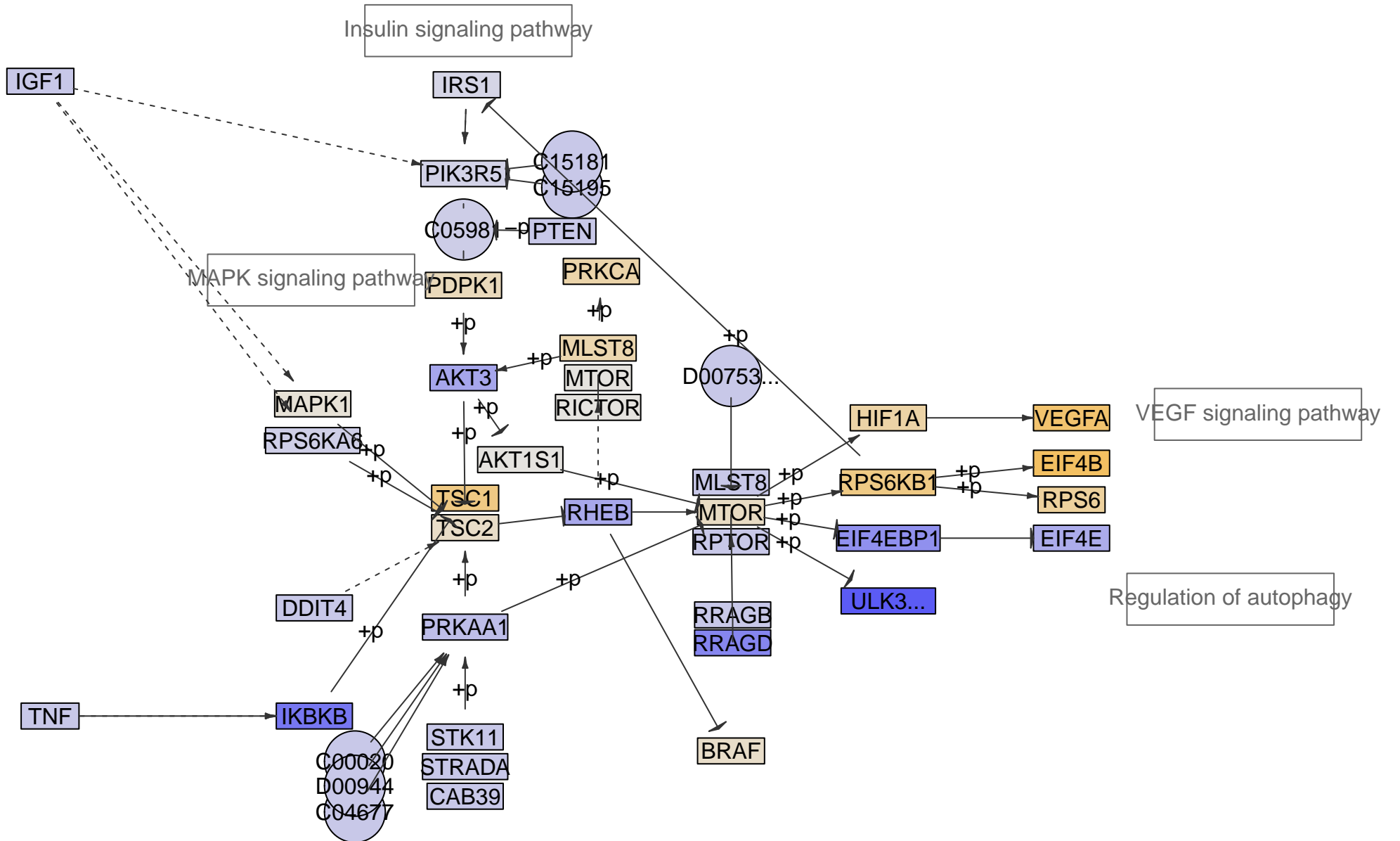
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-216





mTOR signaling pathway  
MPI-222

Insulin signaling pathway

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

+p

+p

AKT3

+p

MLST8

MTOR

RICTOR

D00753...

MAPK signaling pathway

MAPK1

RPS6KA6

+p

+p

TSC1

TSC2

AKT1S1

+p

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

VEGF signaling pathway

+p

RPS6KB1

+p

EIF4EBP1

+p

EIF4B

+p

RPS6

EIF4E

Regulation of autophagy

ULK3...

DDIT4

+p

PRKAA1

+p

+p

IKBKB

C00020

D00944

C04677

STK11

STRADA

CAB39

+p

BRAF

TNF

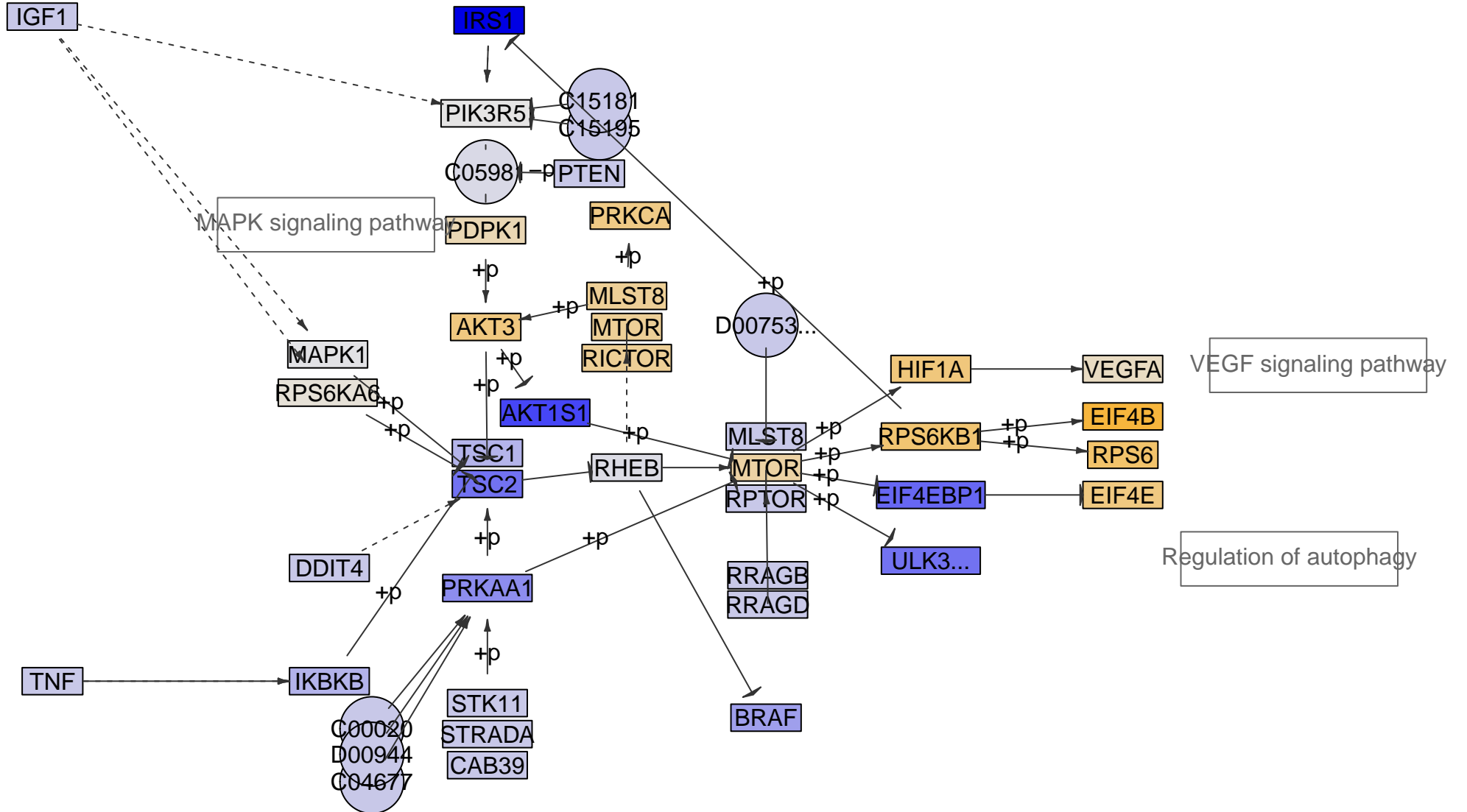
mTOR signaling pathway  
MPI-225

Insulin signaling pathway

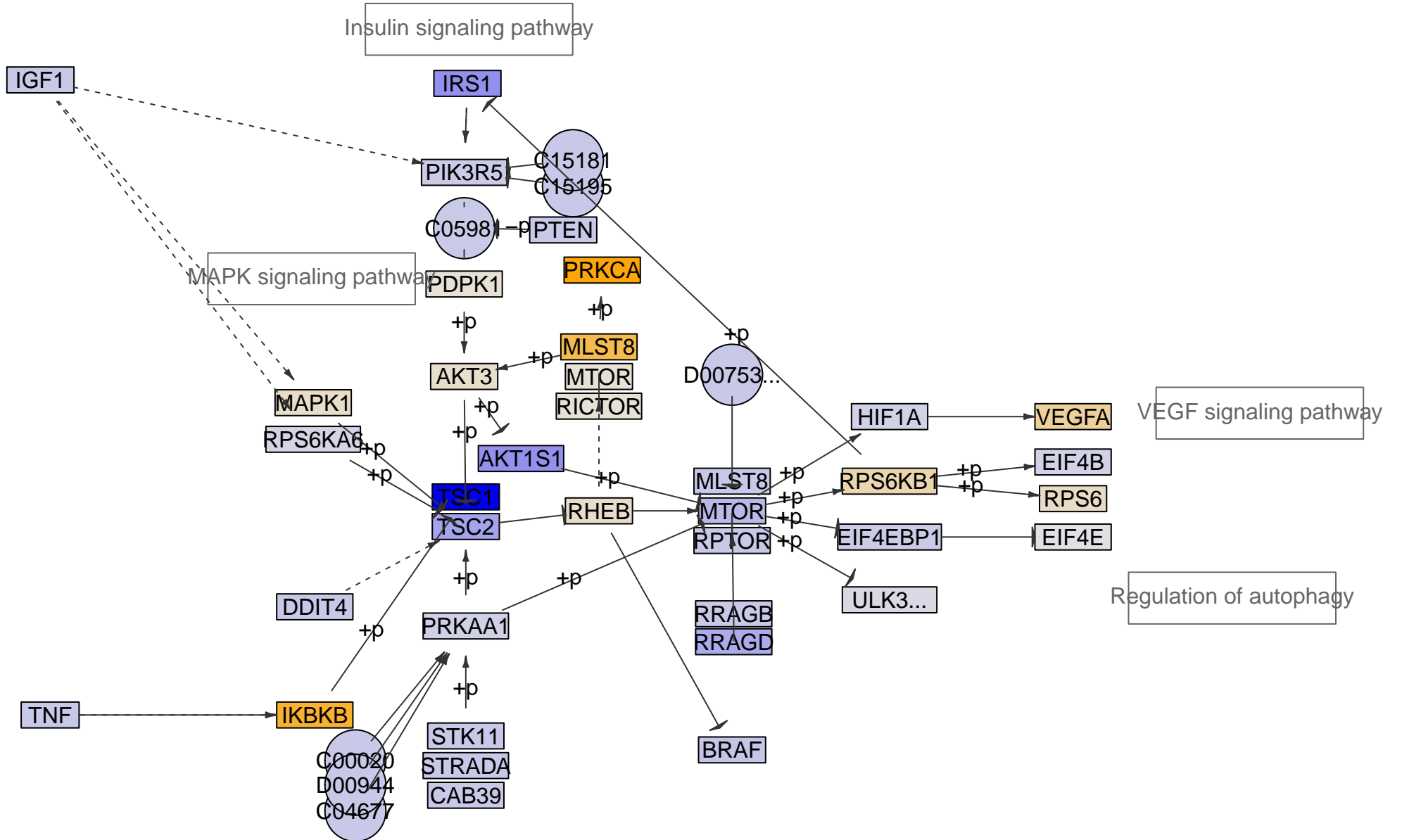
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-242



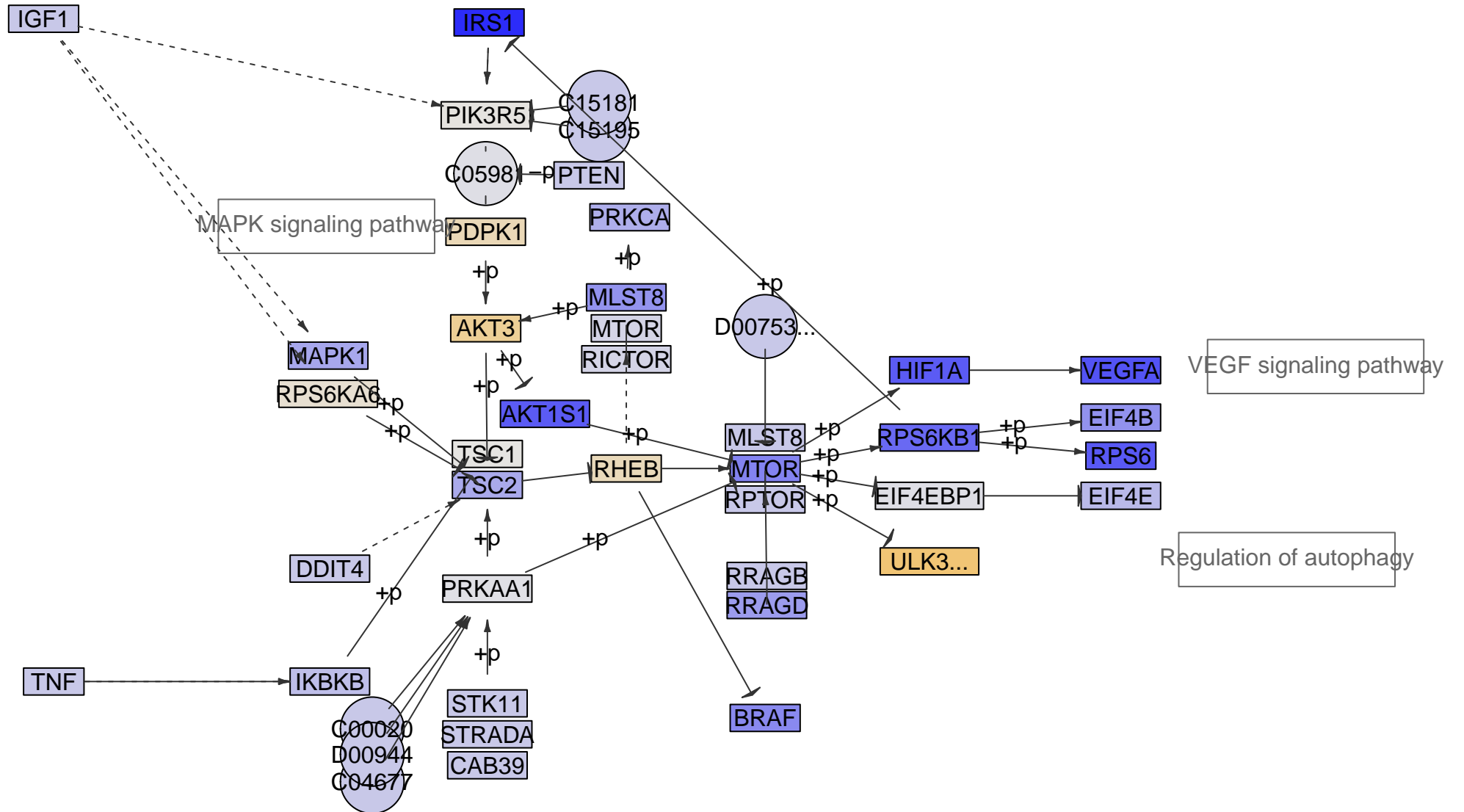
mTOR signaling pathway  
MPI-245

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



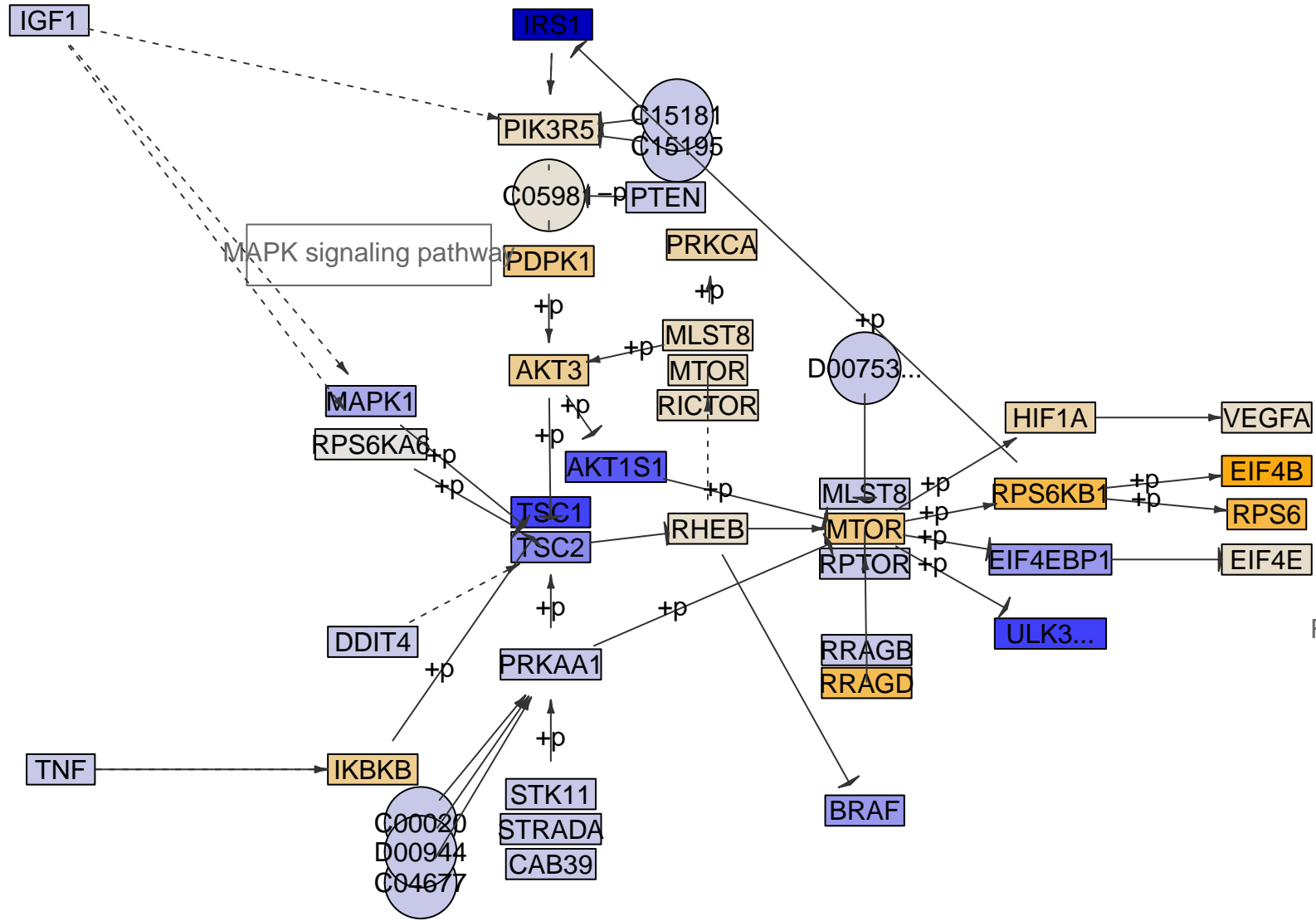
mTOR signaling pathway  
MPI-248

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



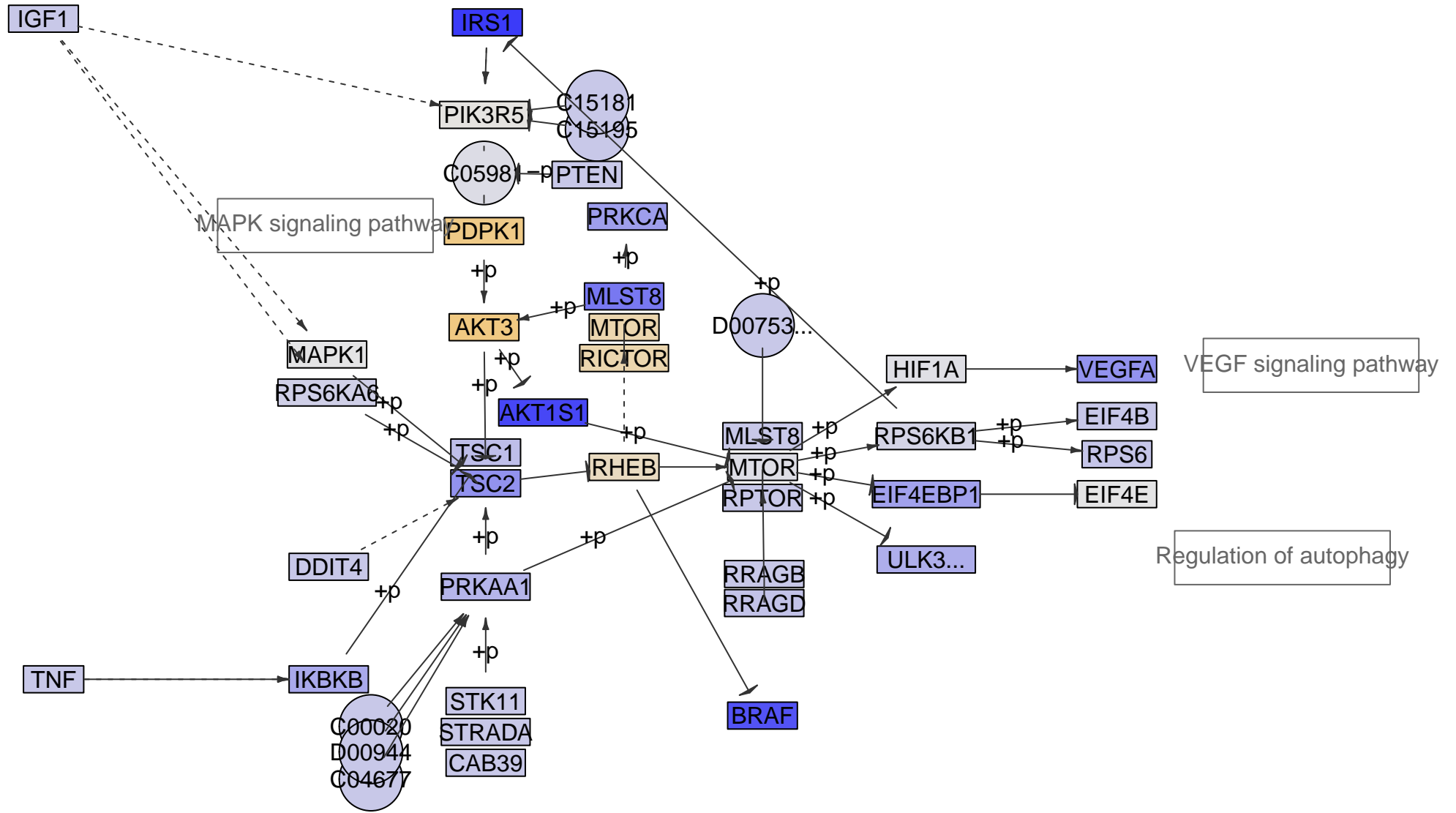
mTOR signaling pathway  
MPI-249

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



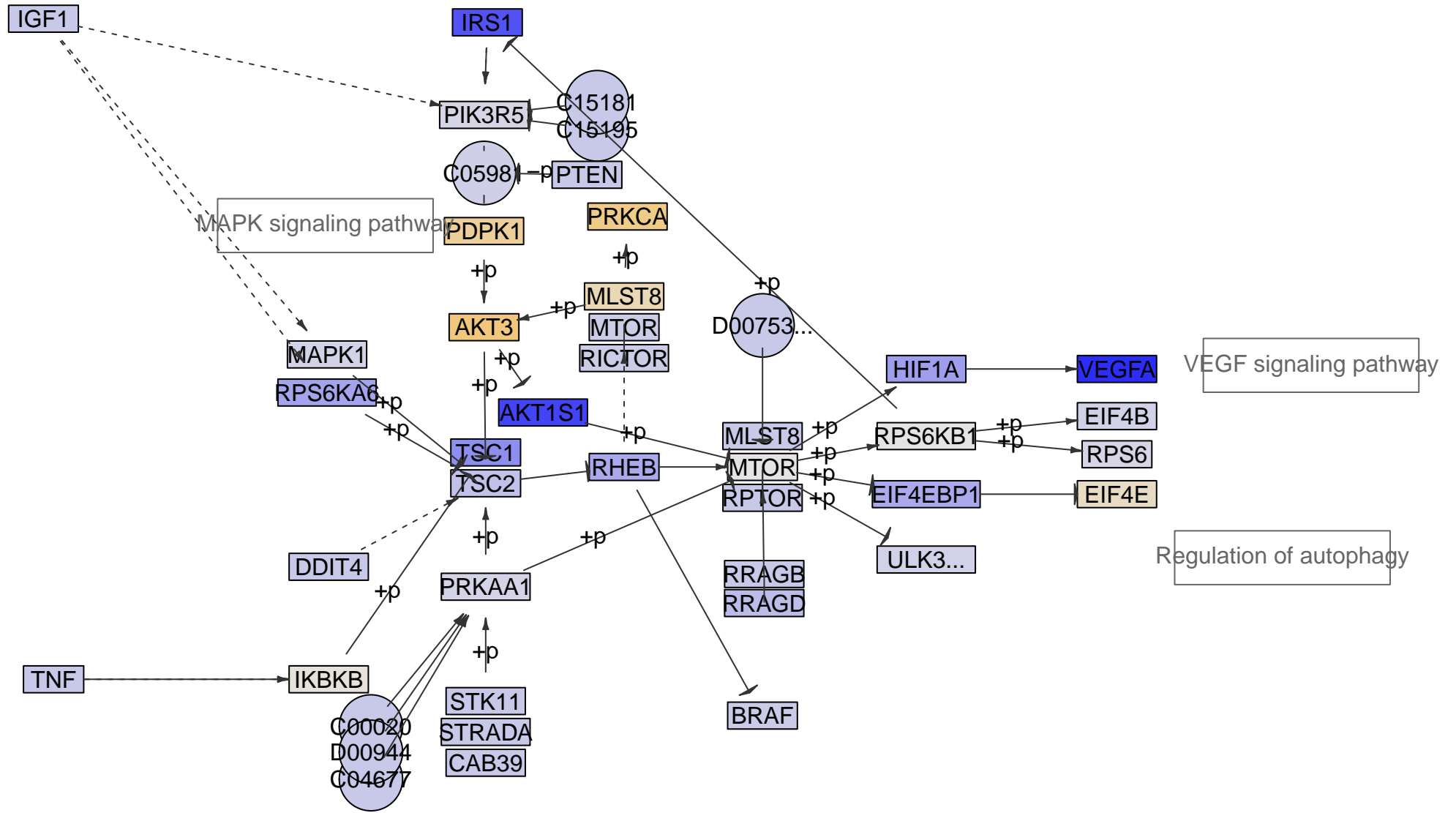
mTOR signaling pathway  
MPI-250

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



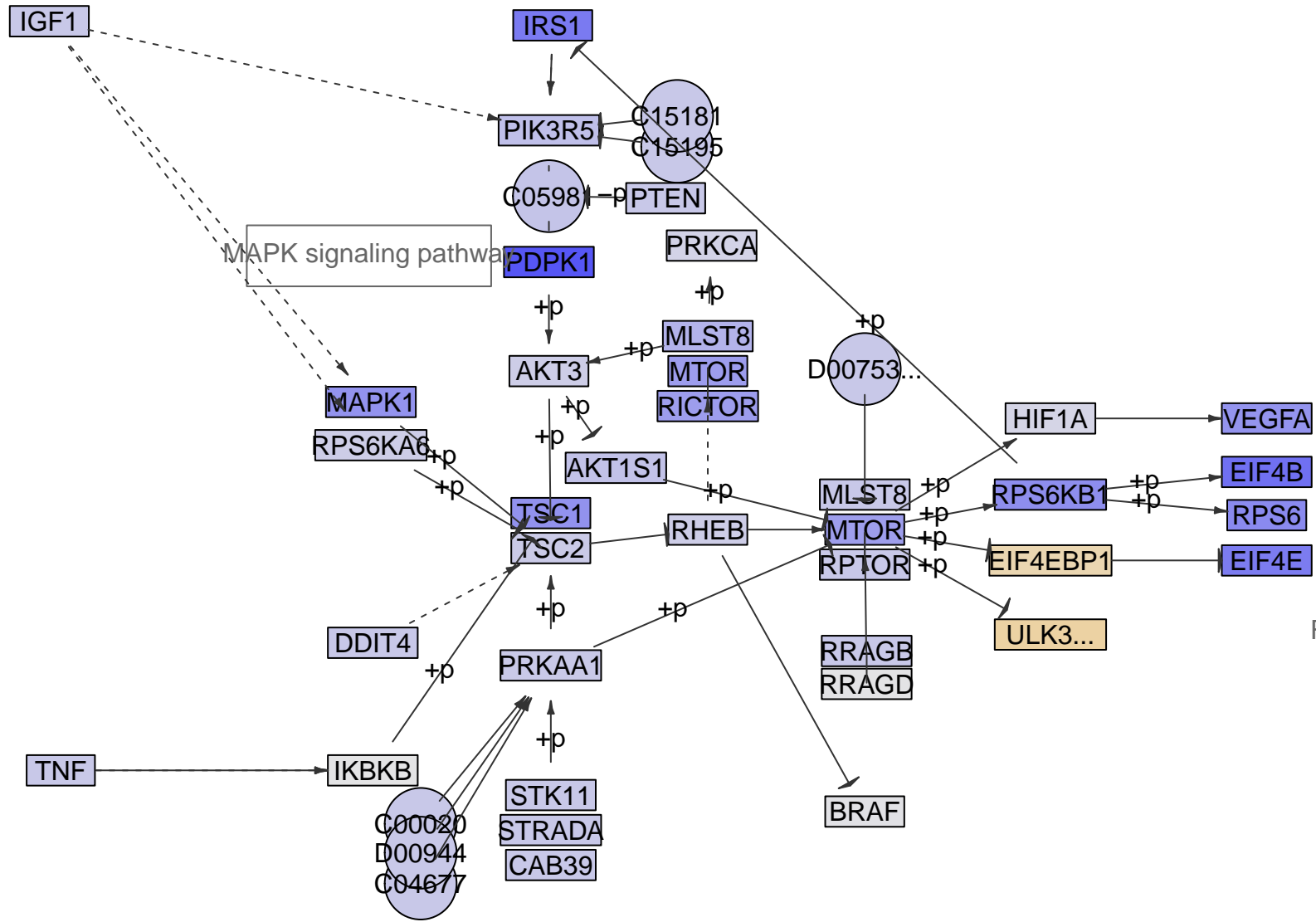
mTOR signaling pathway  
MPI-008

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy





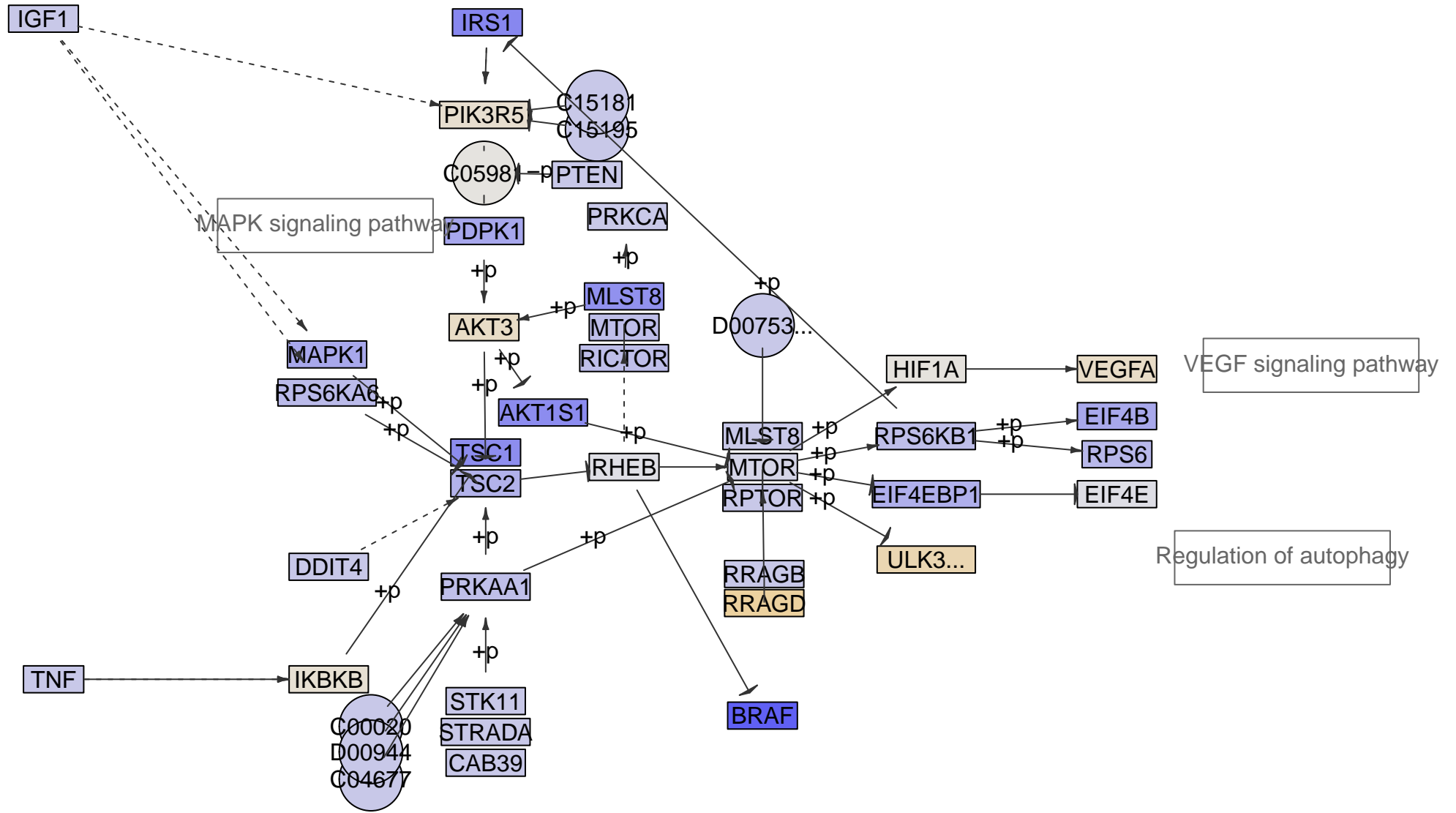
mTOR signaling pathway  
MPI-009

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-010

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

MAPK1

RPS6KA6

TSC1

TSC2

RPS6KA6

PRKAA1

DDIT4

IKBKB

C00020  
D00944  
C04677

STK11

STRADA

CAB39

MLST8

MTOR

RICTOR

AKT3

AKT1S1

RHEB

MLST8

MTOR

RPTOR

BRAF

RRAGB  
RRAGD

HIF1A

VEGFA

RPS6KB1

EIF4B

RPS6

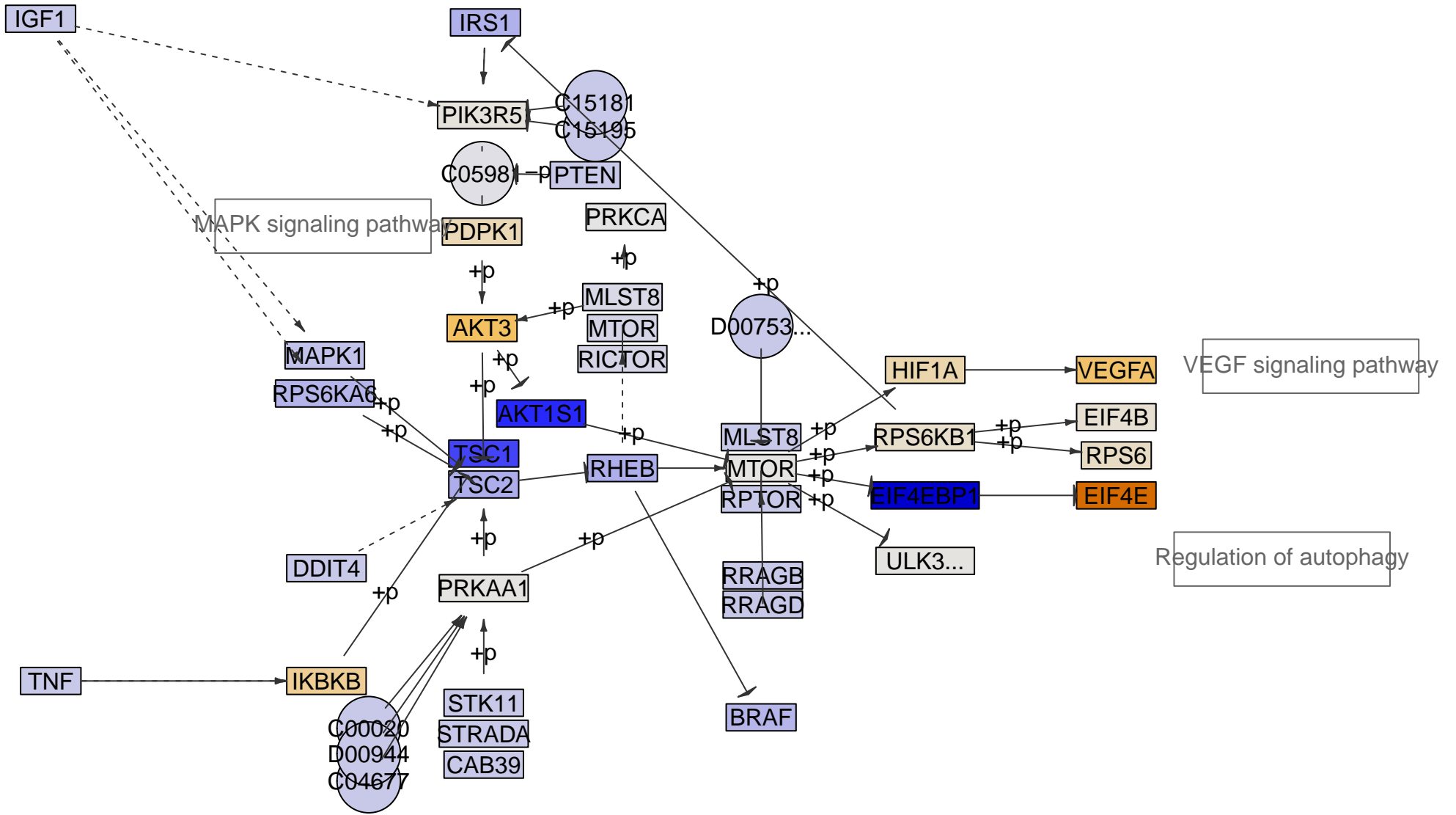
EIF4EBP1

EIF4E

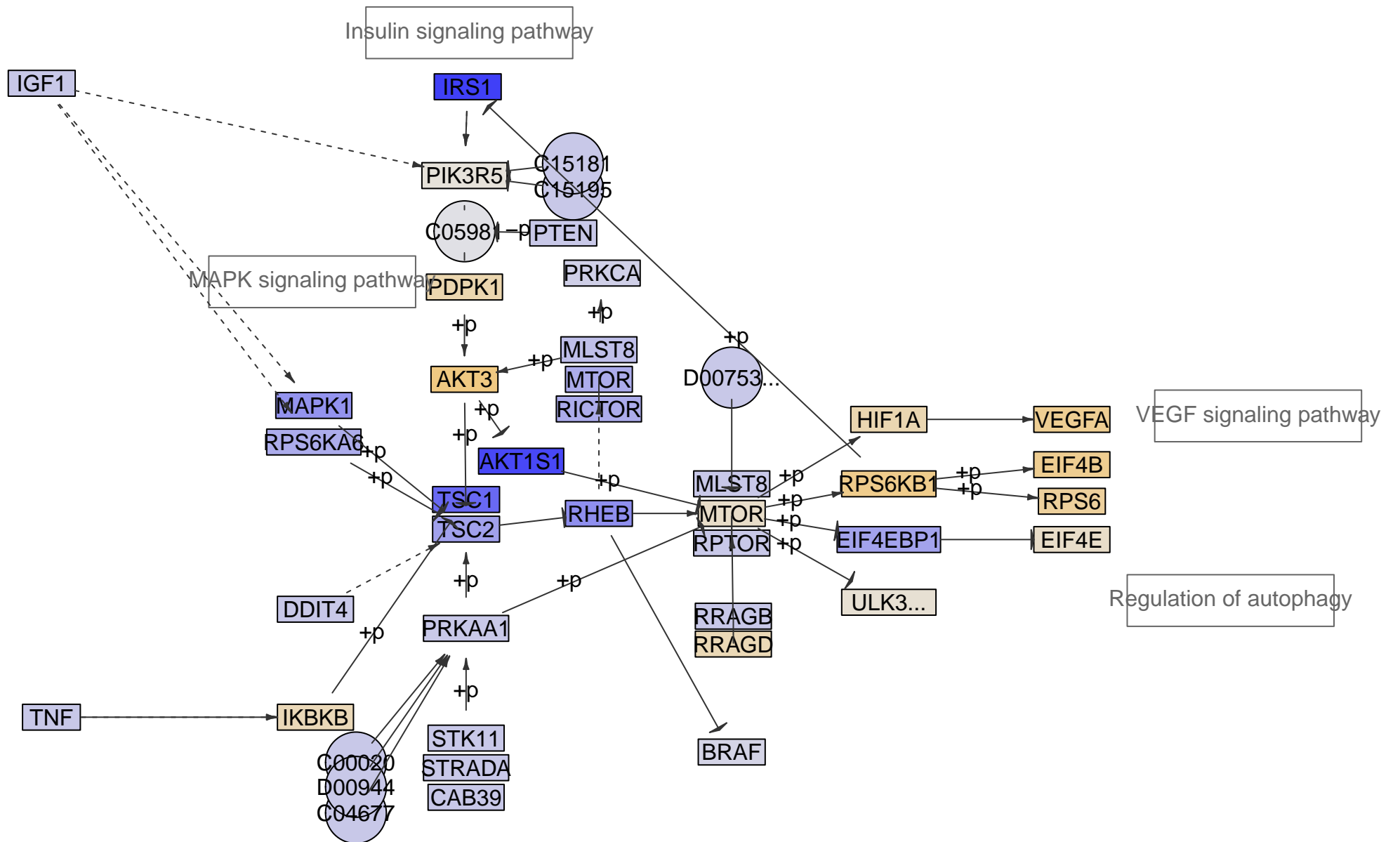
ULK3...

D00753...

TNF



mTOR signaling pathway  
MPI-012



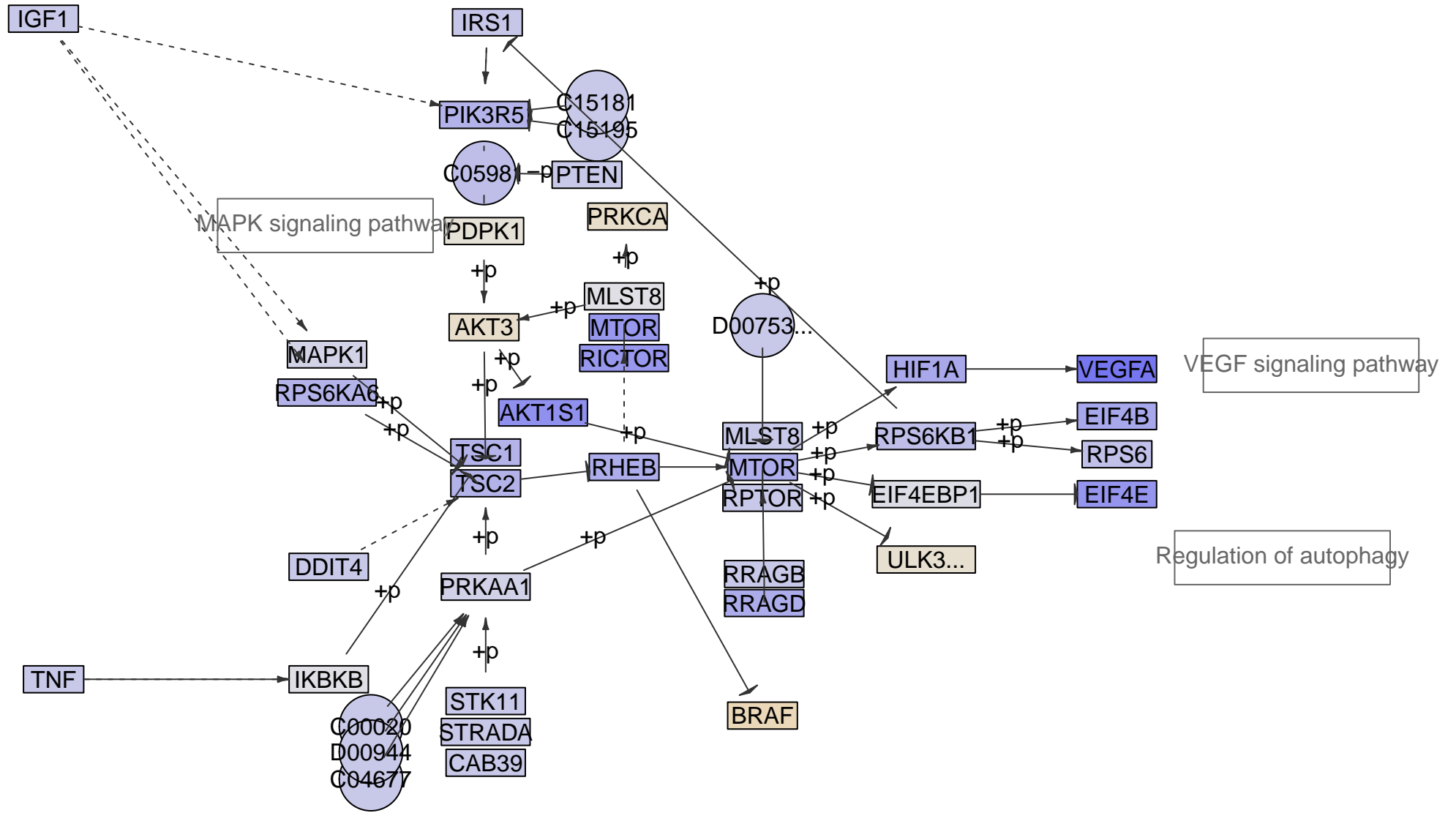
mTOR signaling pathway  
MPI-013

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-014

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

+p

+p

AKT3

MLST8

+p

MTOR

RICTOR

D00753...

MAPK1

RPS6KA6

+p

+p

TSC1

TSC2

AKT1S1

+p

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

+p

RPS6KB1

+p

EIF4B

RPS6

+p

EIF4EBP1

+p

EIF4E

ULK3...

DDIT4

+p

PRKAA1

+p

RHEB

MLST8

MTOR

RPTOR

RRAGB  
RRAGD

+p

+p

+p

+p

+p

+p

+p

+p

+p

+p

+p

+p

+p

+p

+p

TNF

IKBKB

C00020  
D00944  
C04677

STK11

STRADA

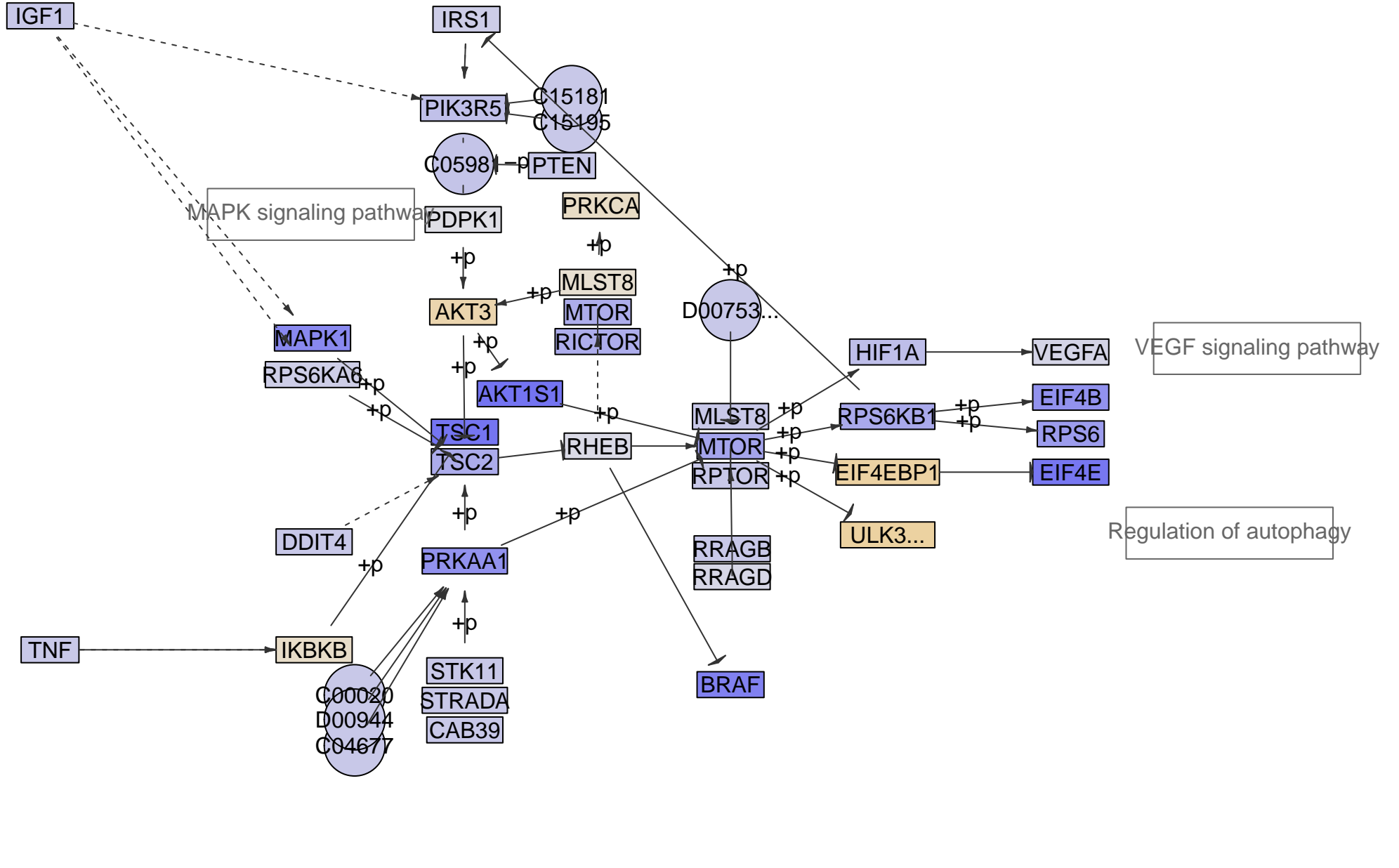
CAB39

+p

+p

+p

BRAF



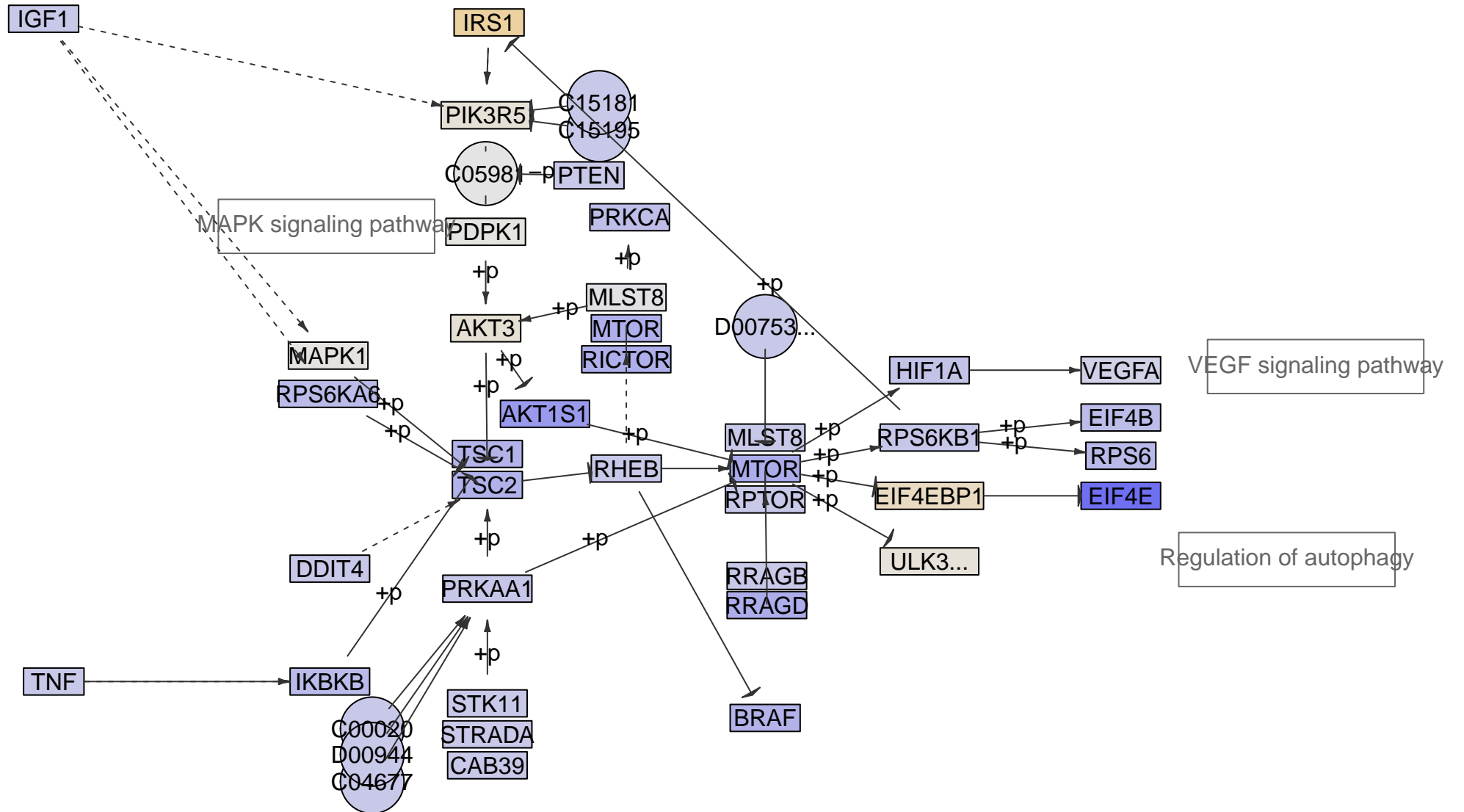
mTOR signaling pathway  
MPI-015

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



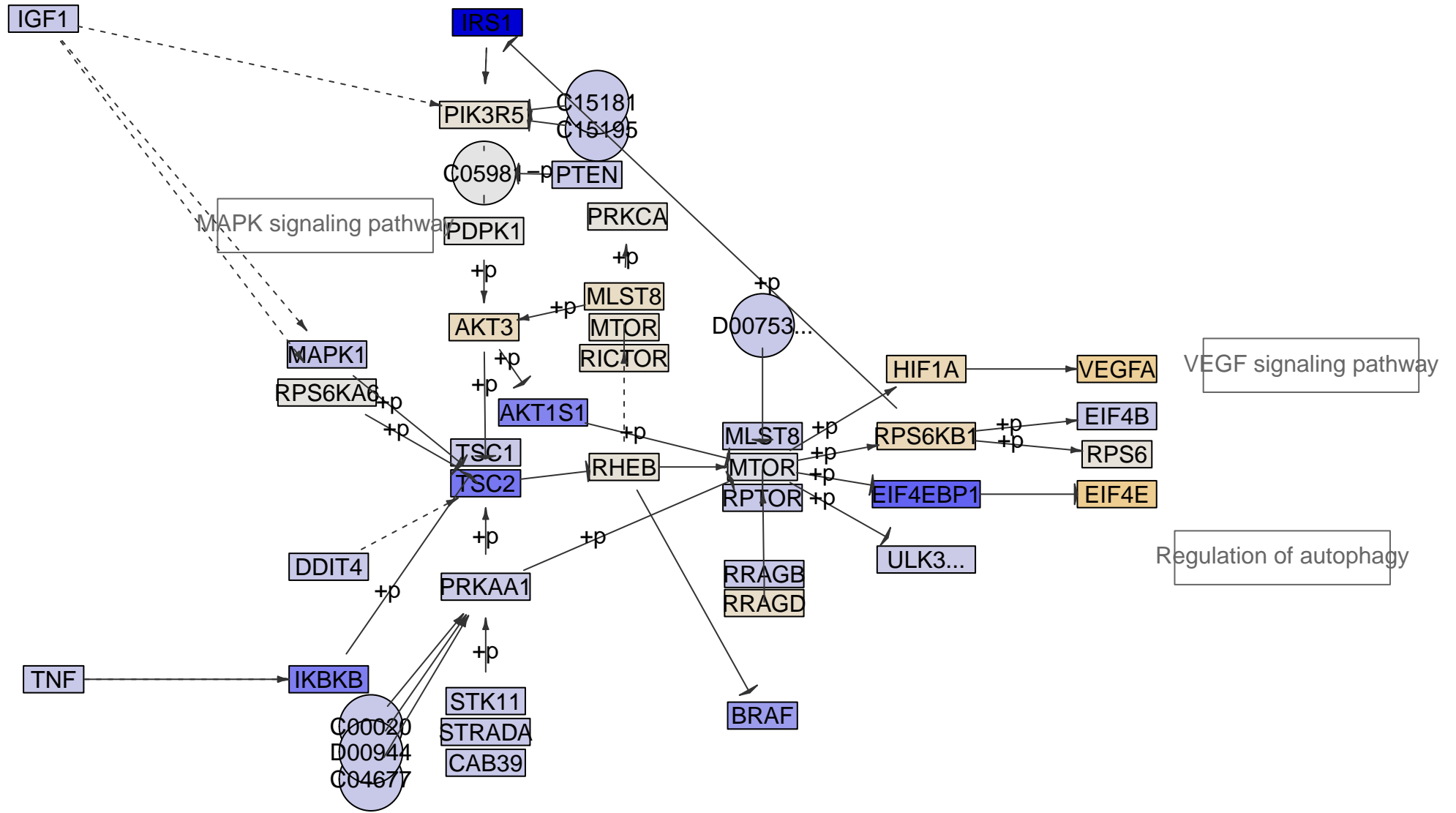
mTOR signaling pathway  
MPI-021

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



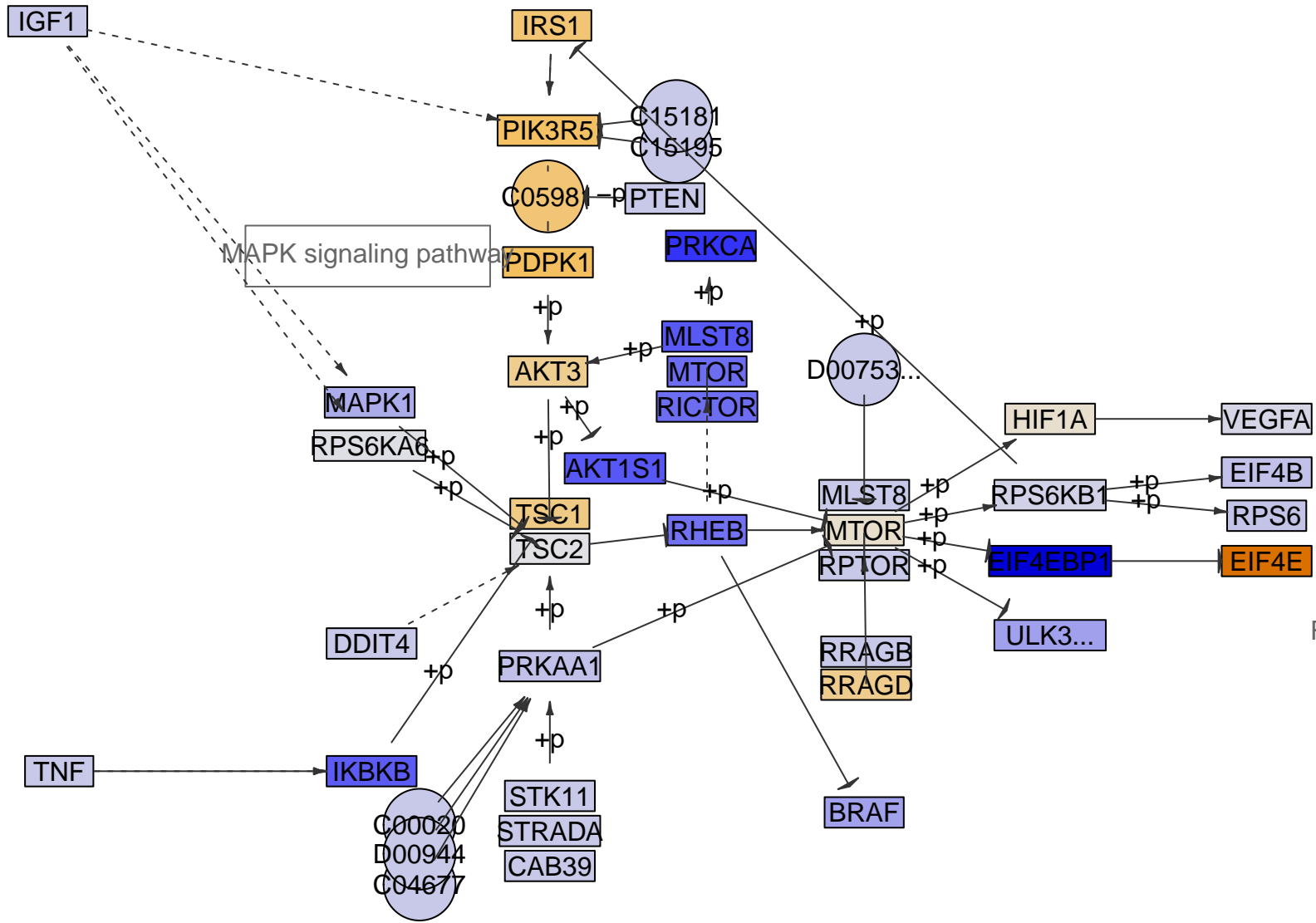
mTOR signaling pathway  
MPI-022

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy





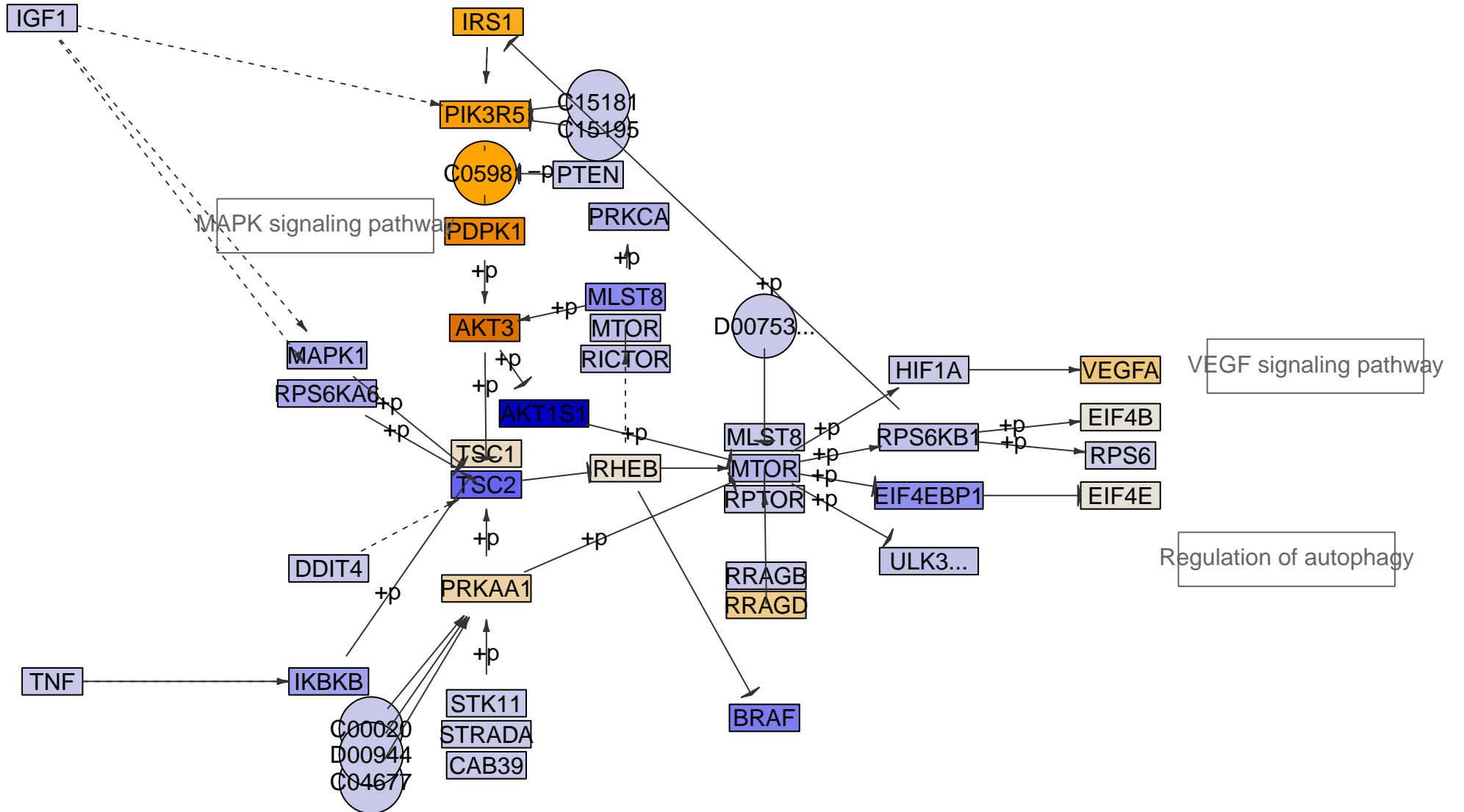
mTOR signaling pathway  
MPI-025

Insulin signaling pathway

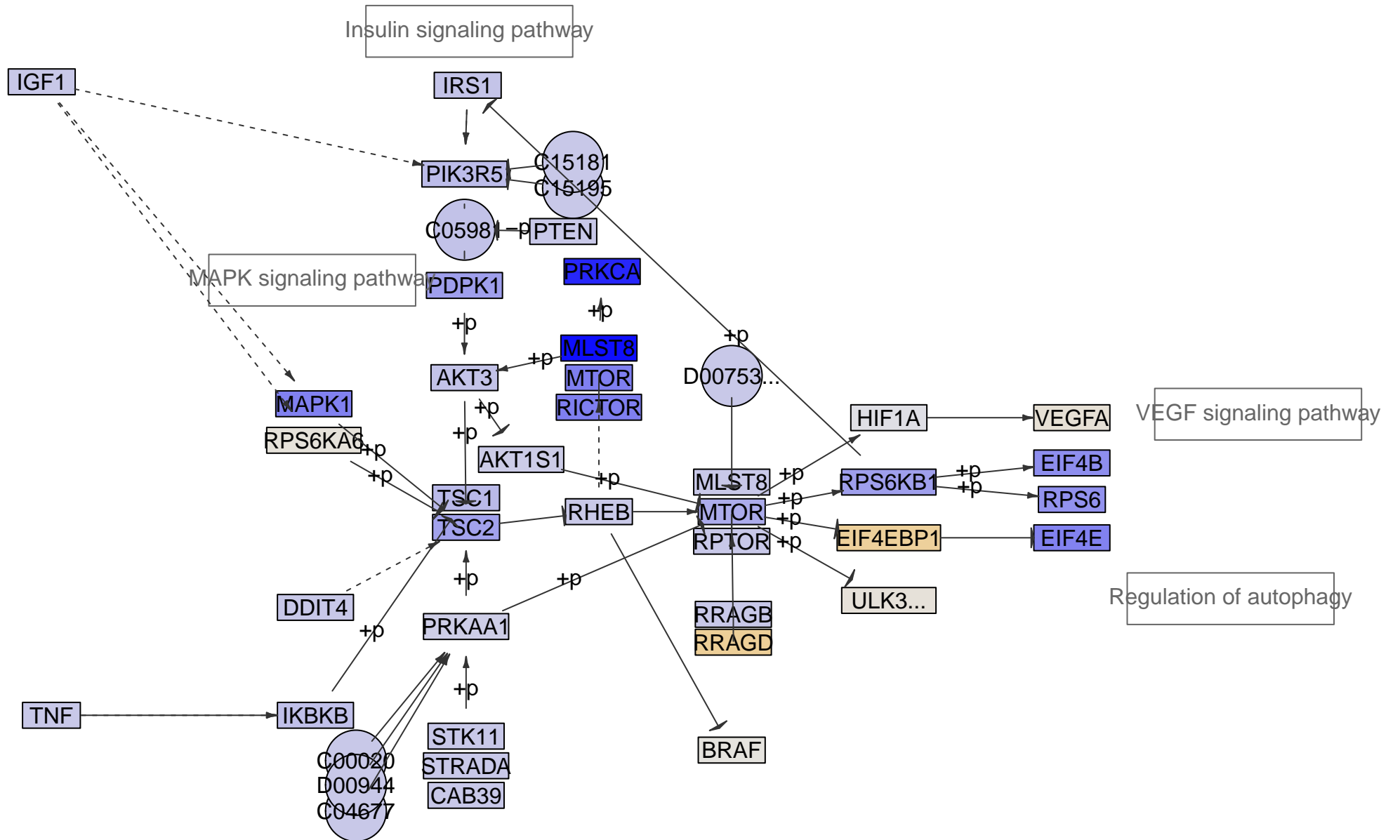
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-029



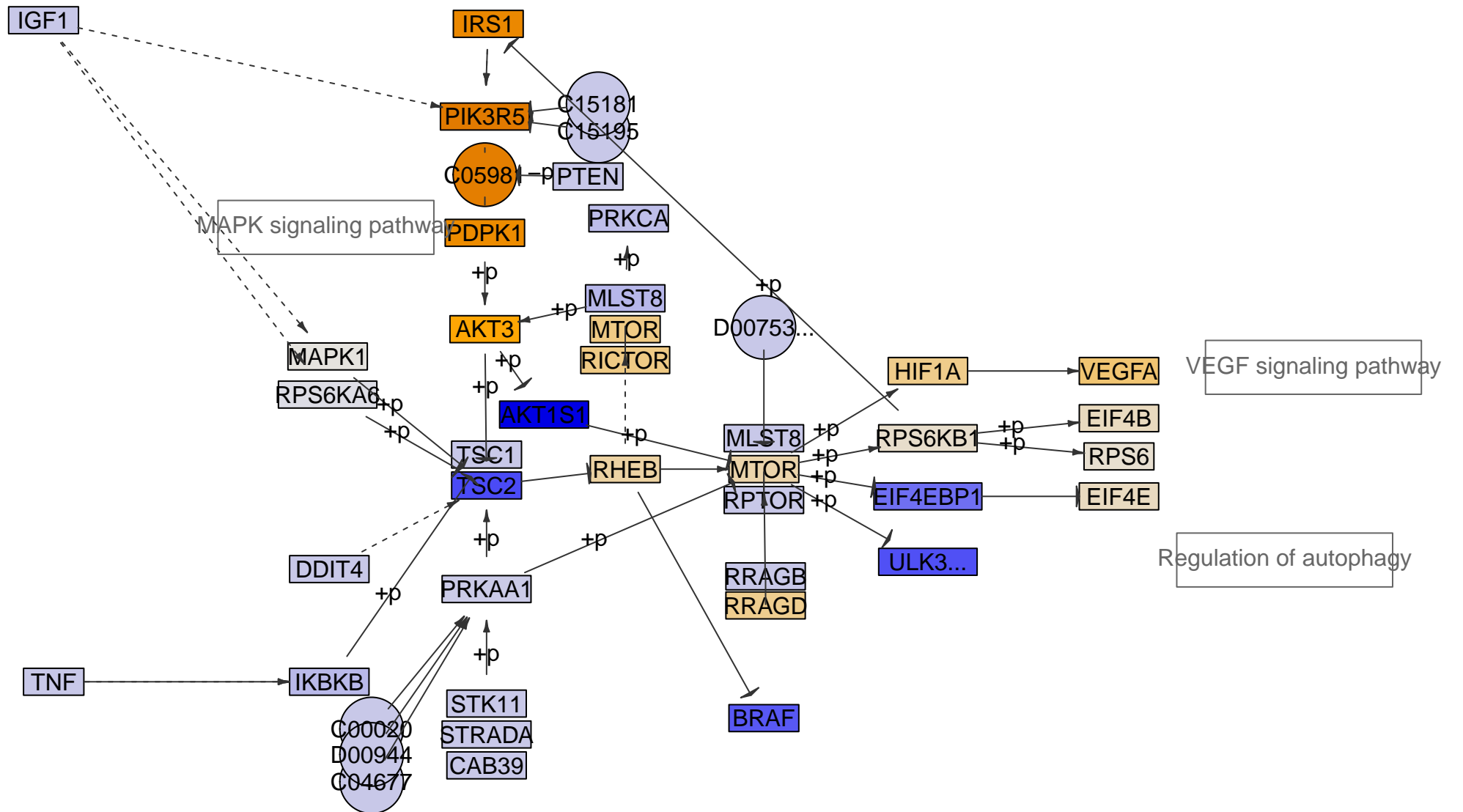
mTOR signaling pathway  
MPI-030

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



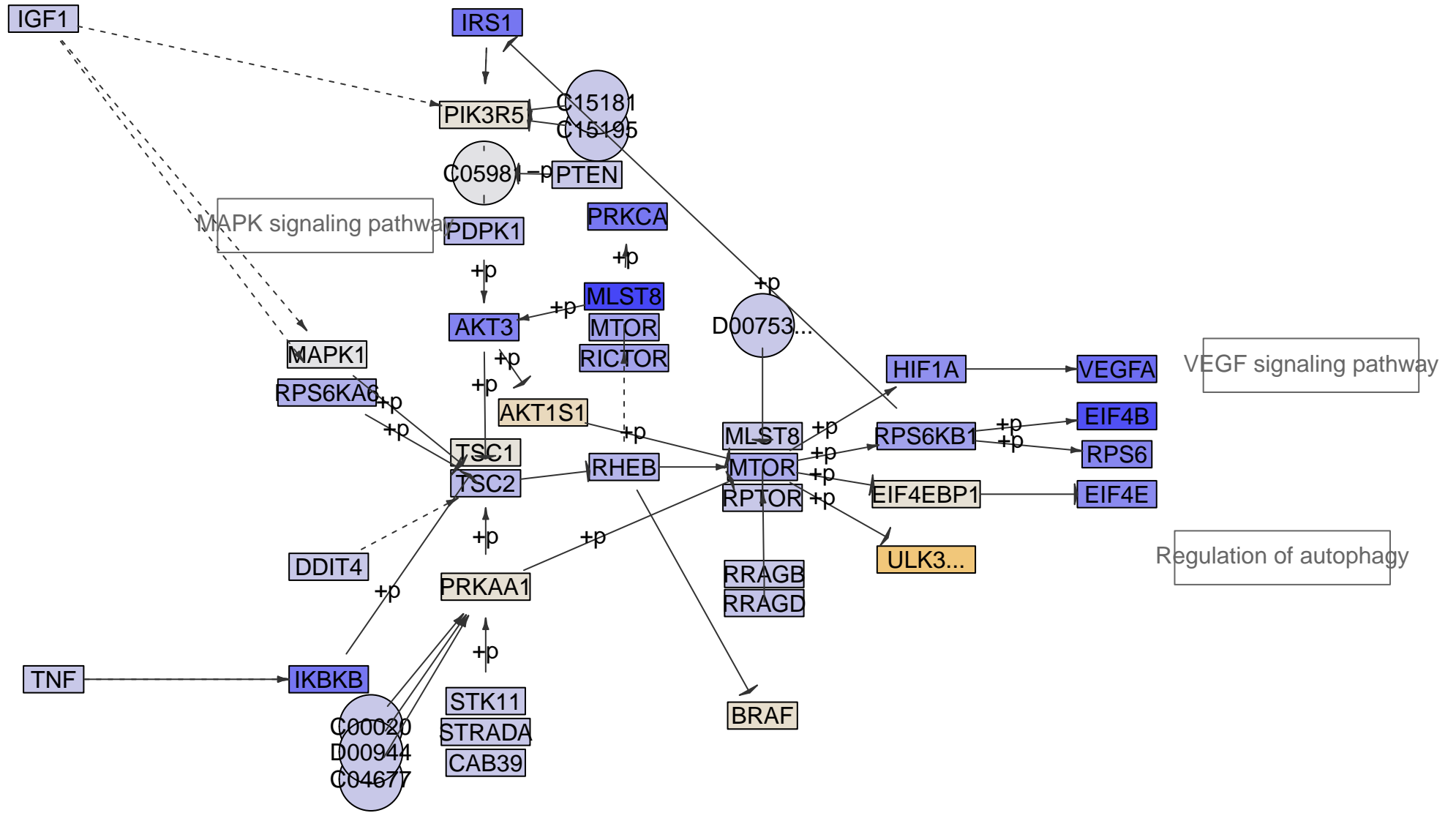
mTOR signaling pathway  
MPI-031

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



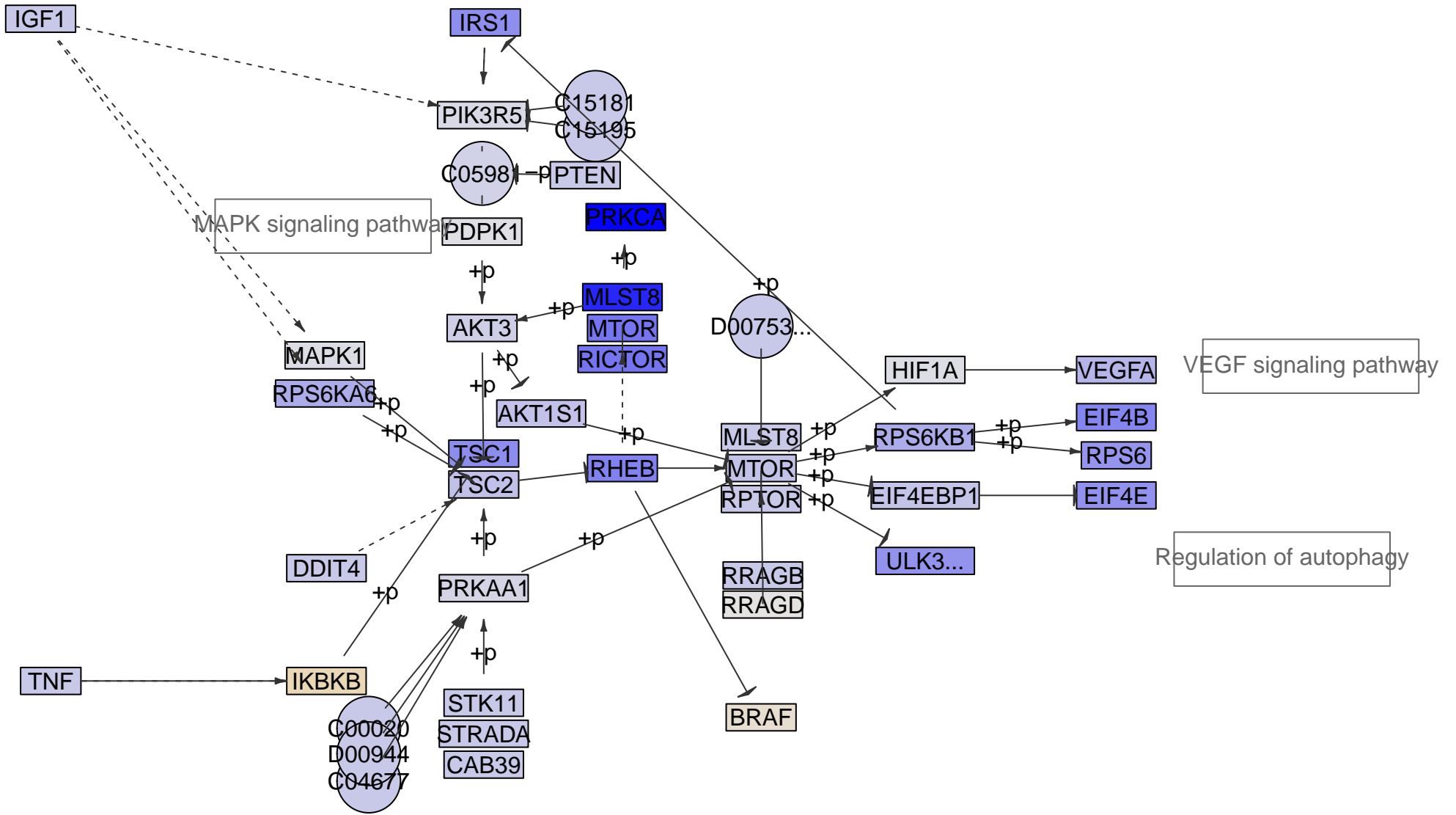
mTOR signaling pathway  
MPI-039

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



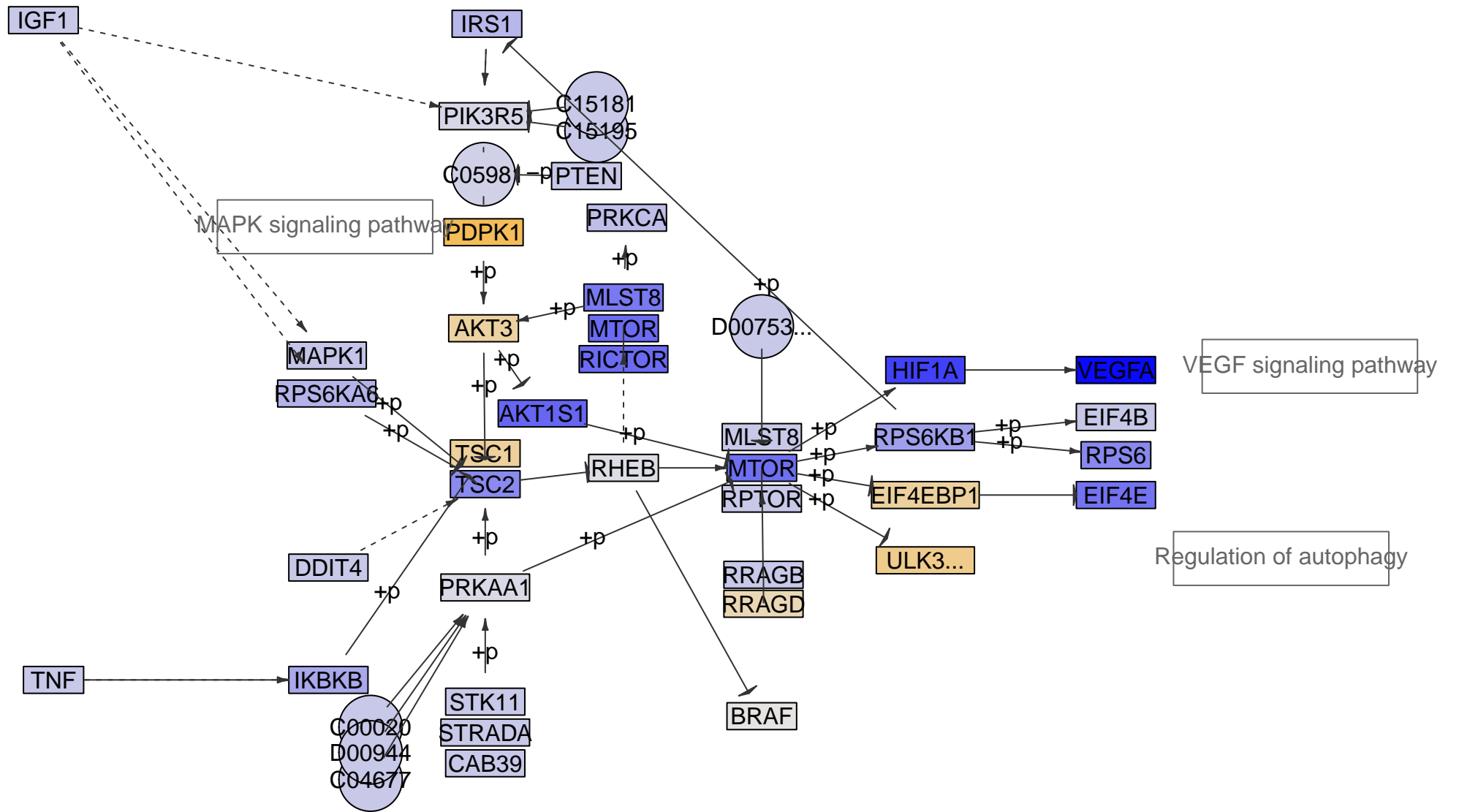
mTOR signaling pathway  
MPI-040

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



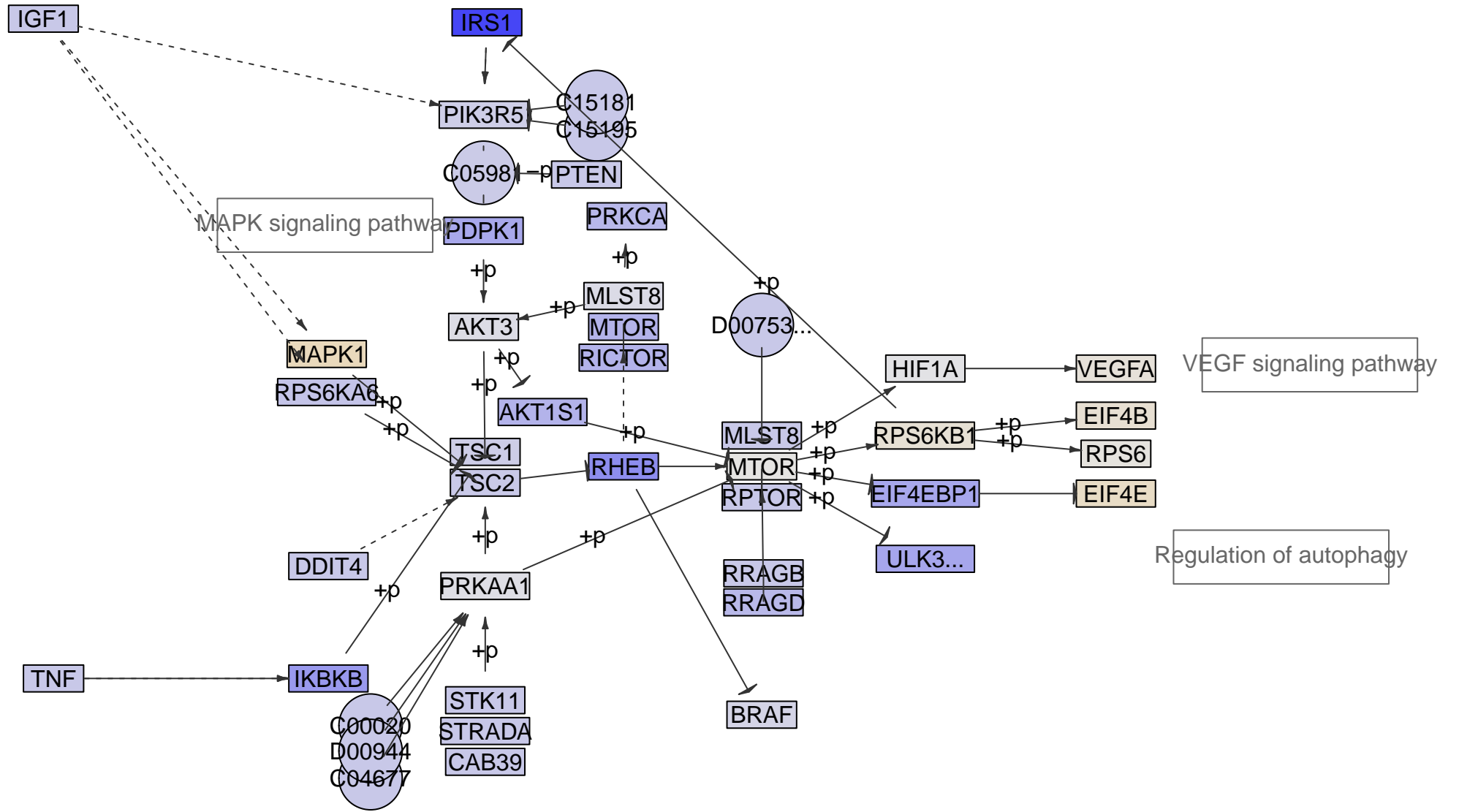
mTOR signaling pathway  
MPI-045

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-047

Insulin signaling pathway

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR  
RICTOR

D00753...

MAPK1

RPS6KA6

TSC1  
TSC2

AKT1S1

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

VEGF signaling pathway

EIF4B

RPS6KB1

RPS6

EIF4EBP1

EIF4E

ULK3...

Regulation of autophagy

DDIT4

PRKAA1

RRAGB  
RRAGD

BRAF

TNF

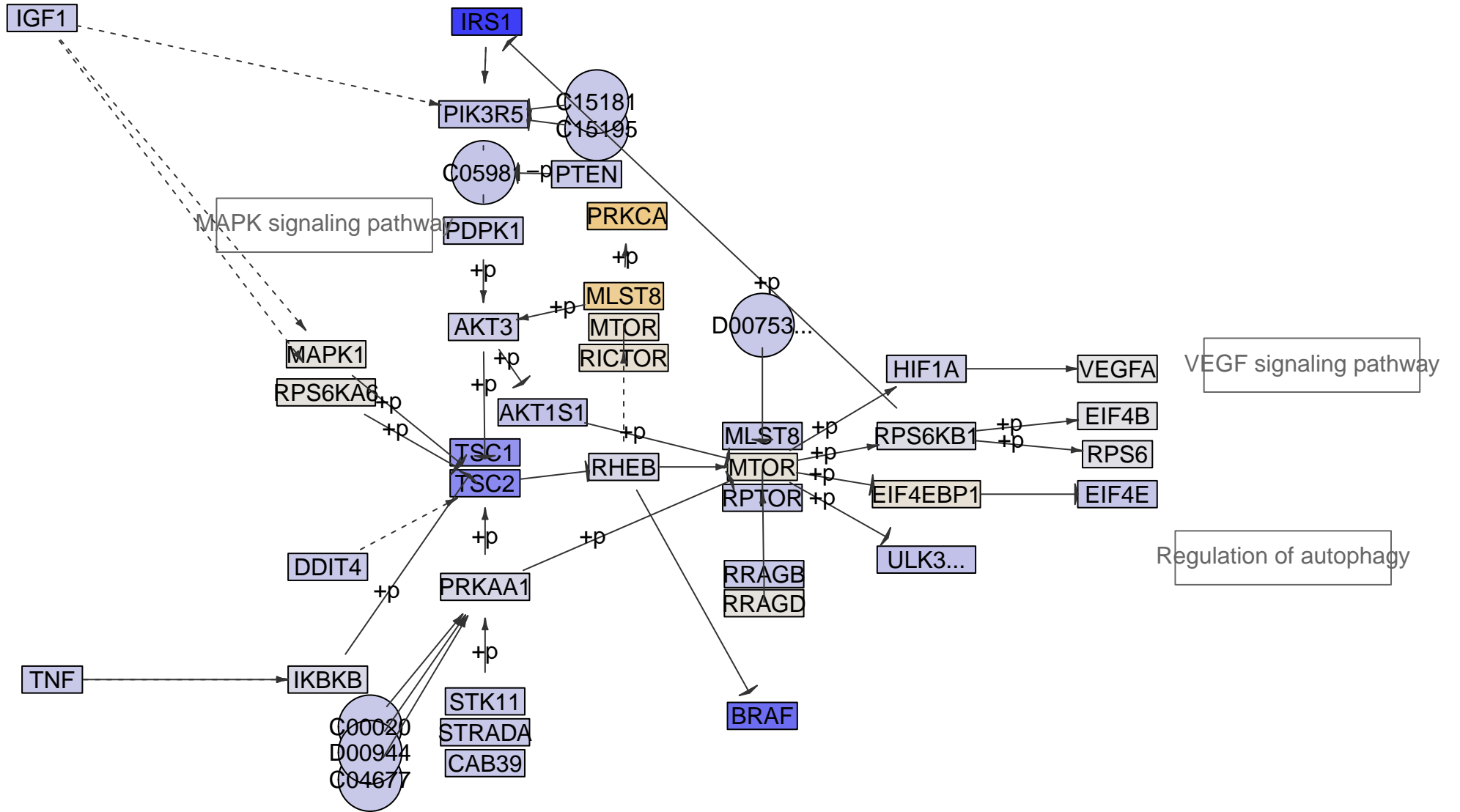
IKBKB

C00020  
D00944  
C04677

STK11

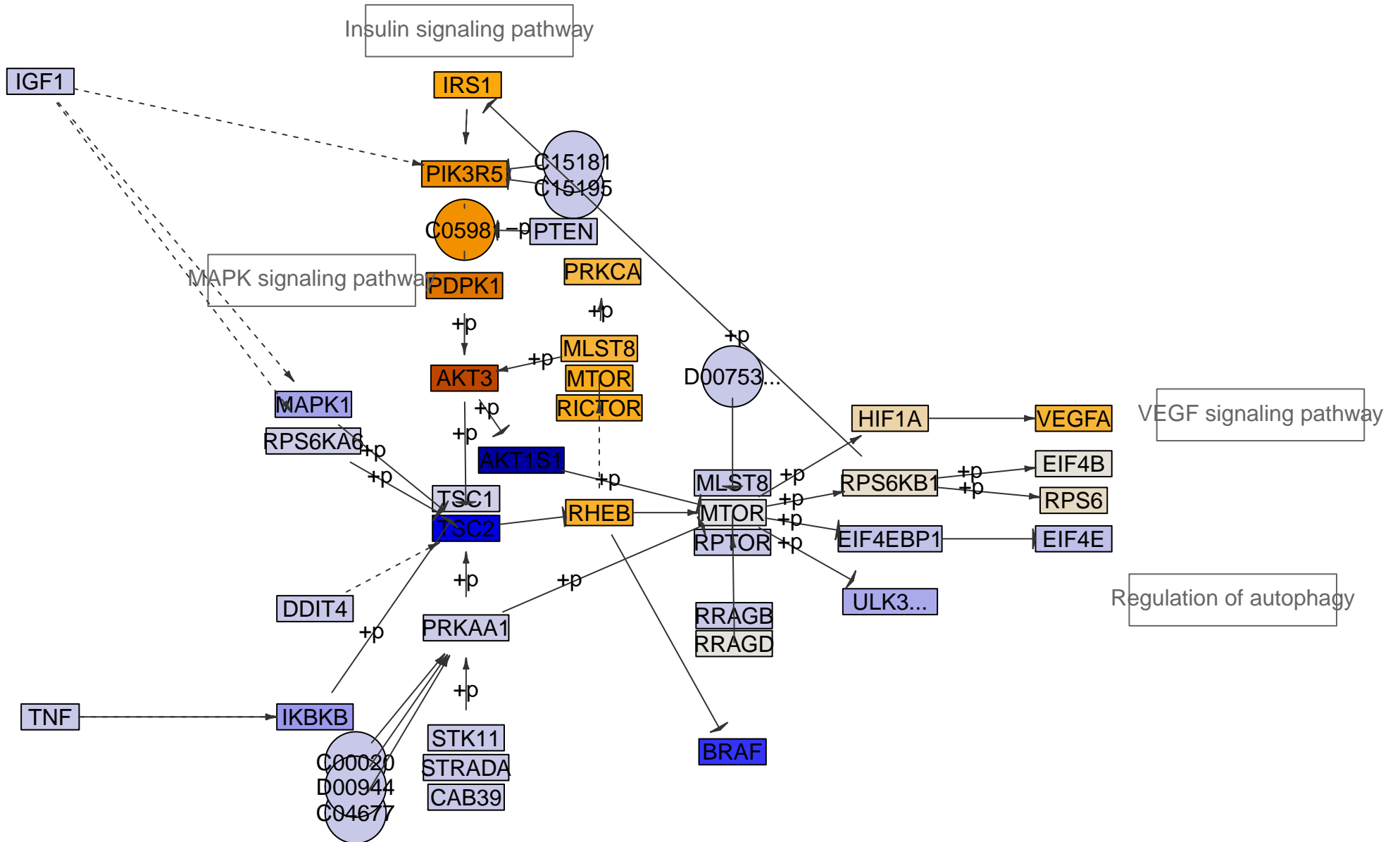
STRADA

CAB39





mTOR signaling pathway  
MPI-053



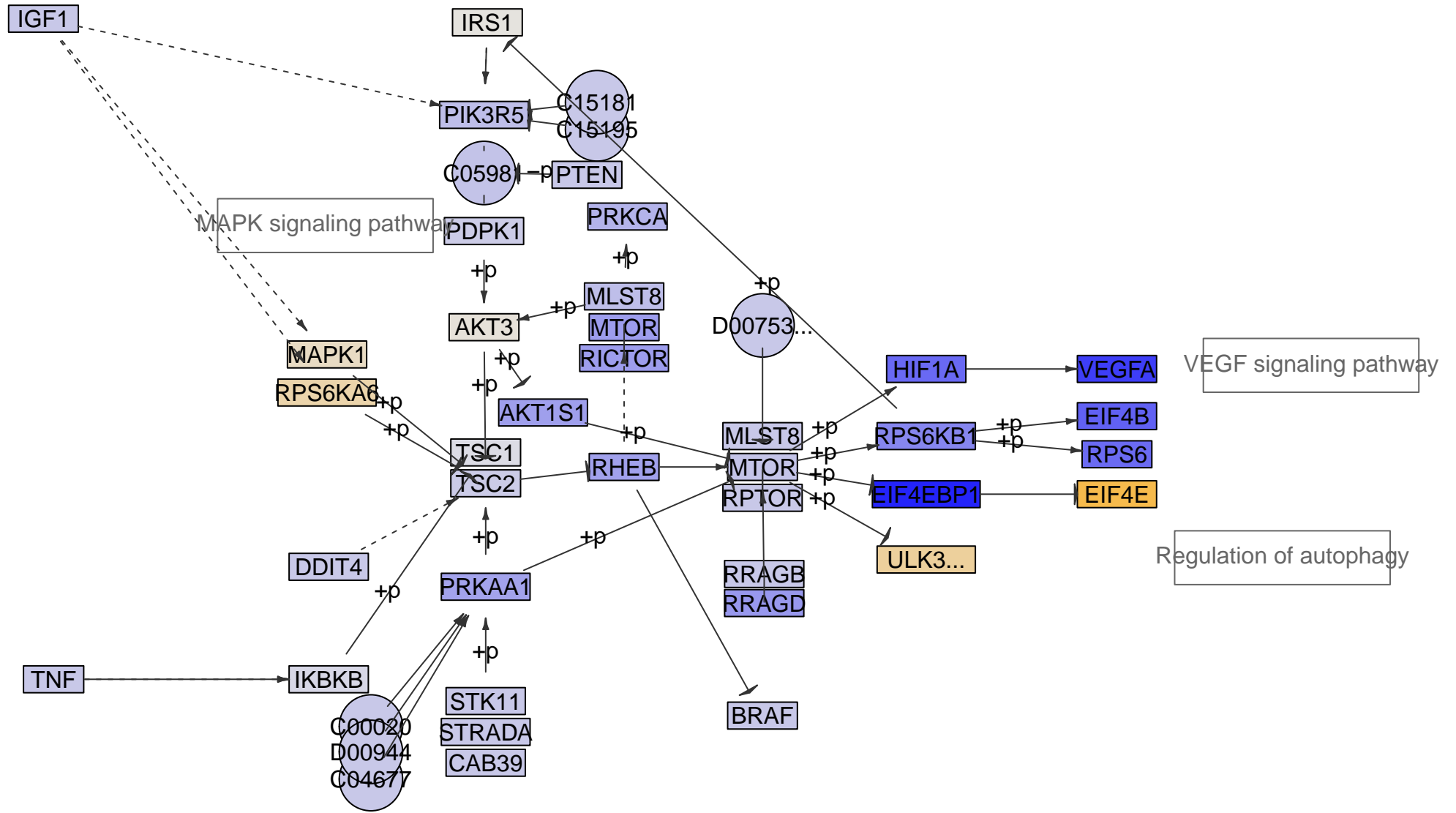
mTOR signaling pathway  
MPI-062

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



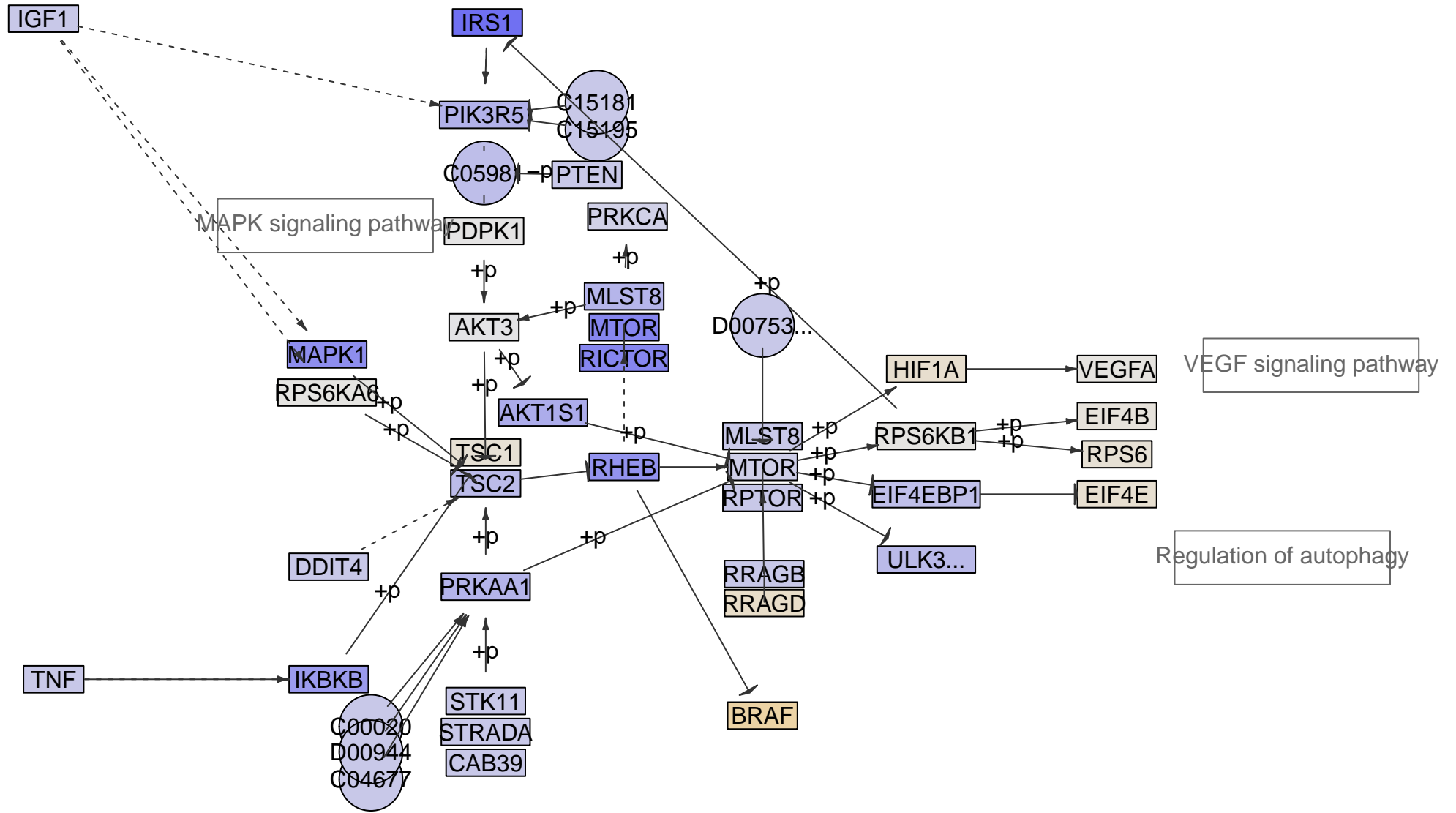
mTOR signaling pathway  
MPI-063

Insulin signaling pathway

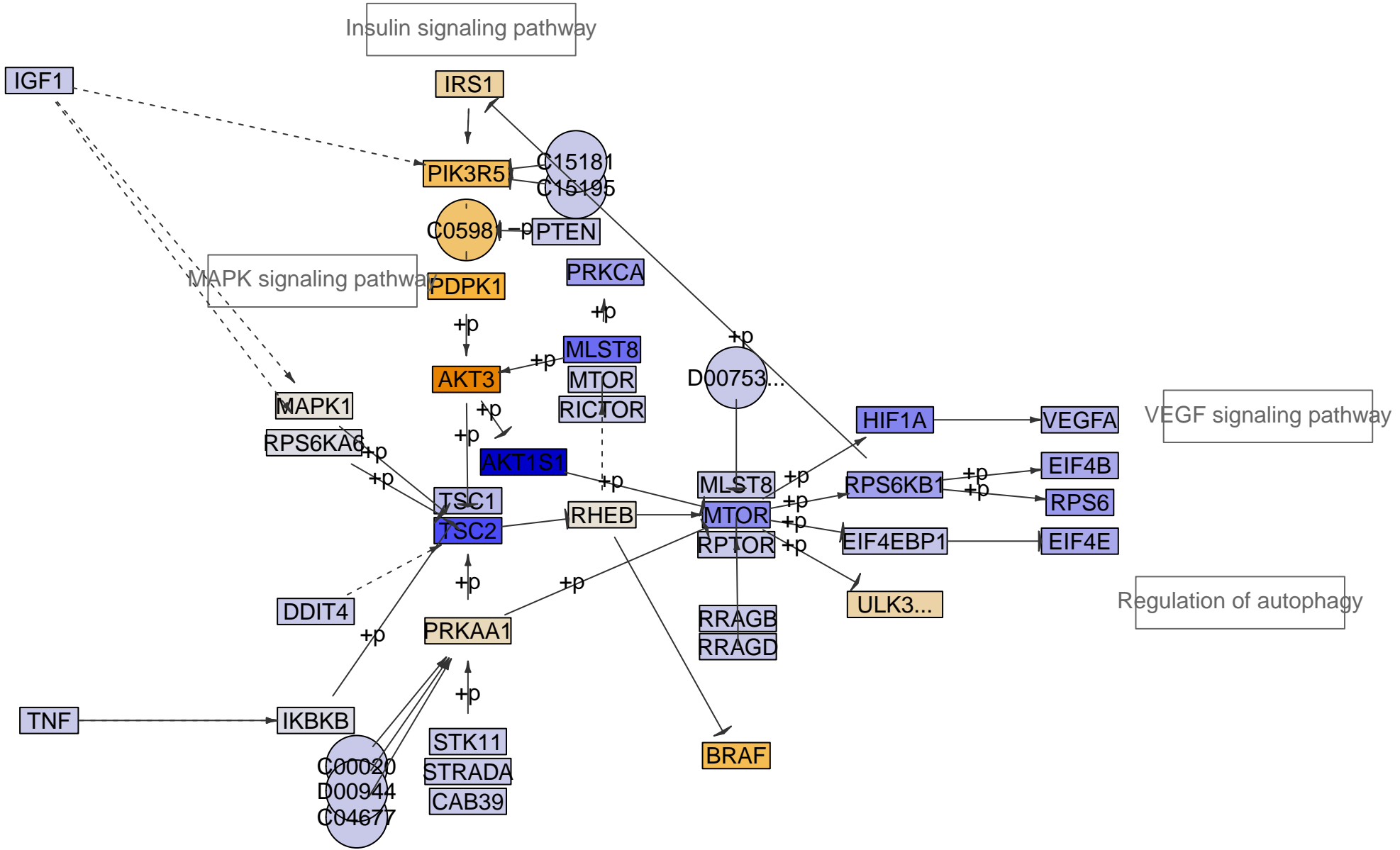
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-069



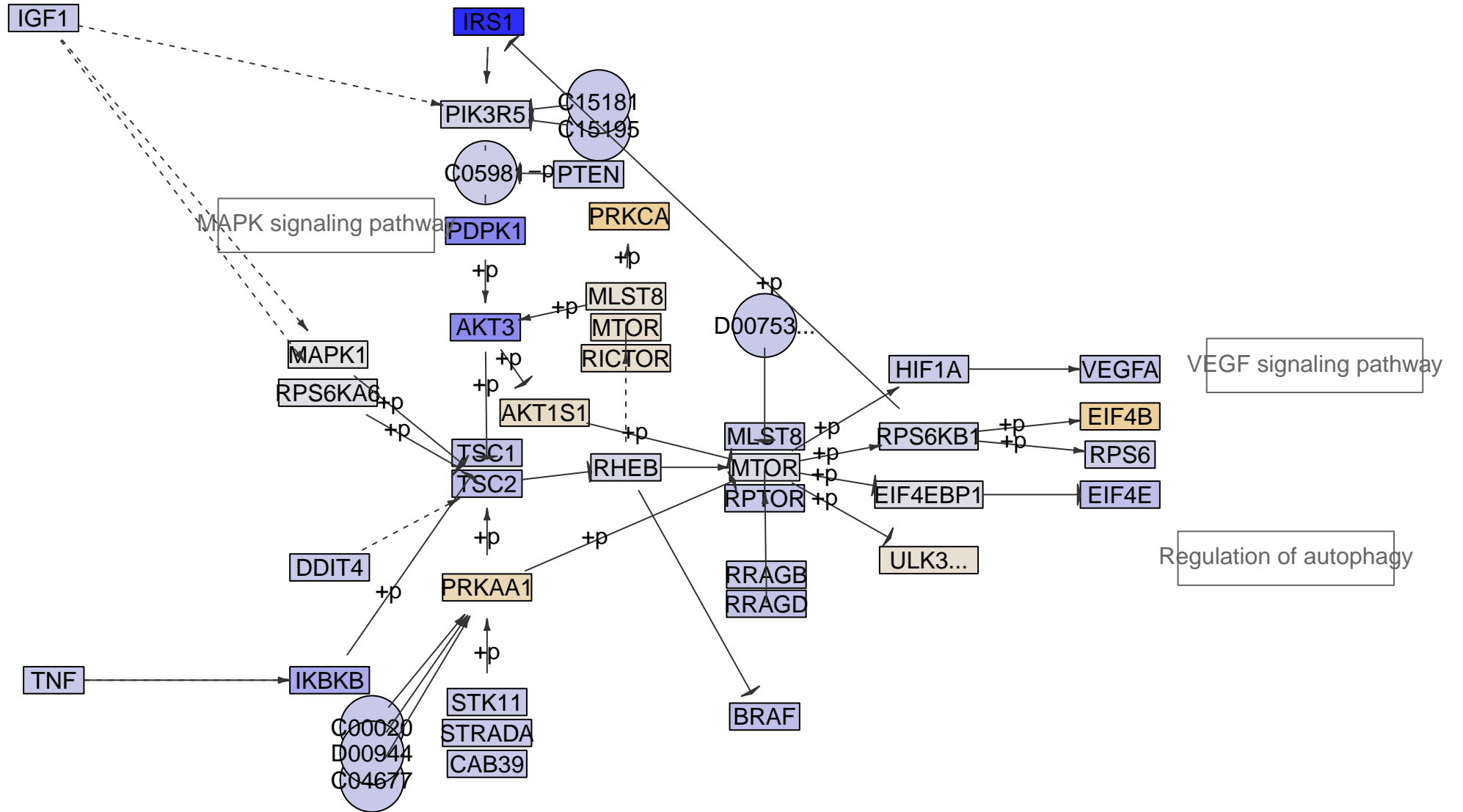
mTOR signaling pathway  
MPI-073

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



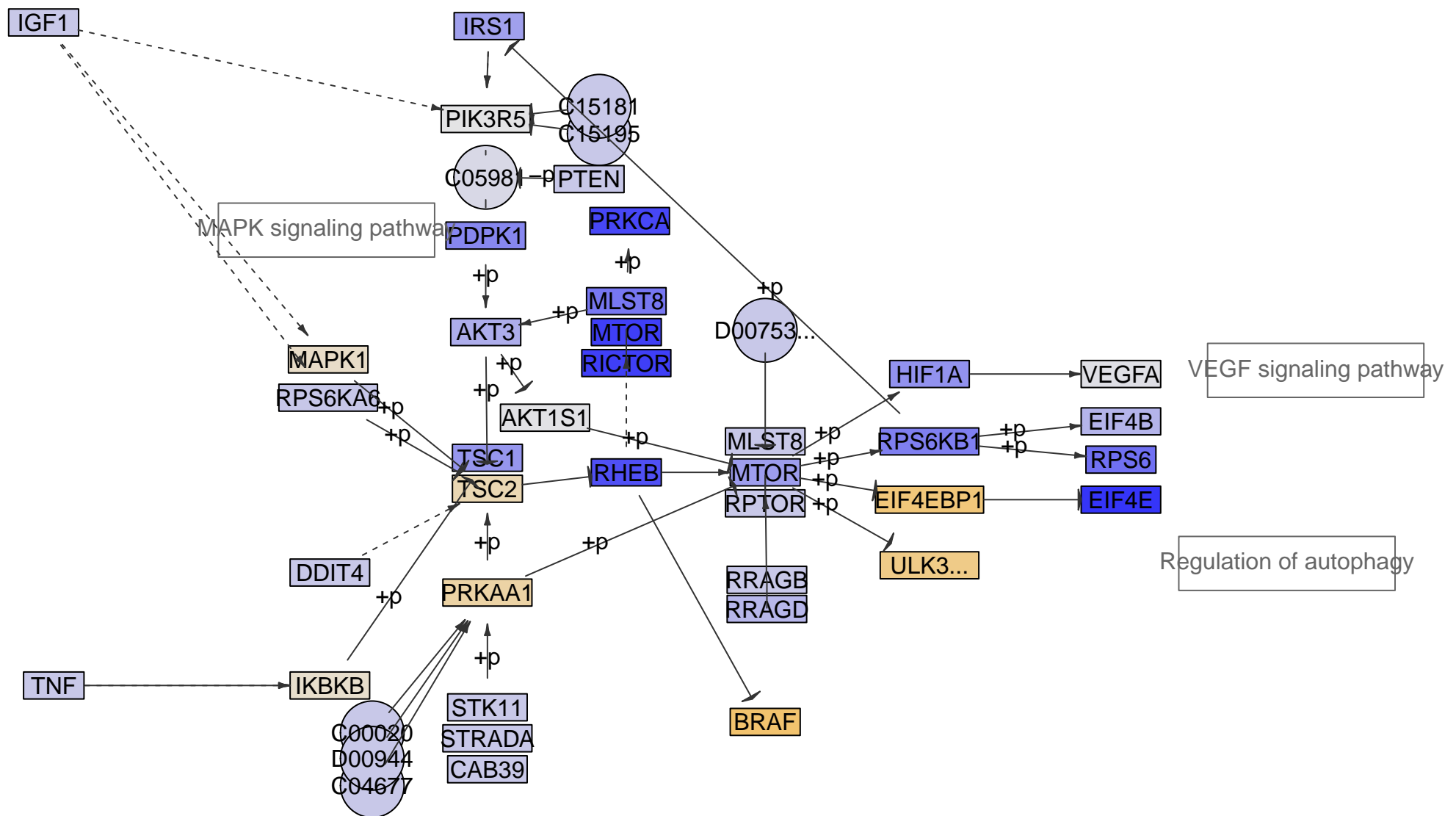
mTOR signaling pathway  
MPI-074

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



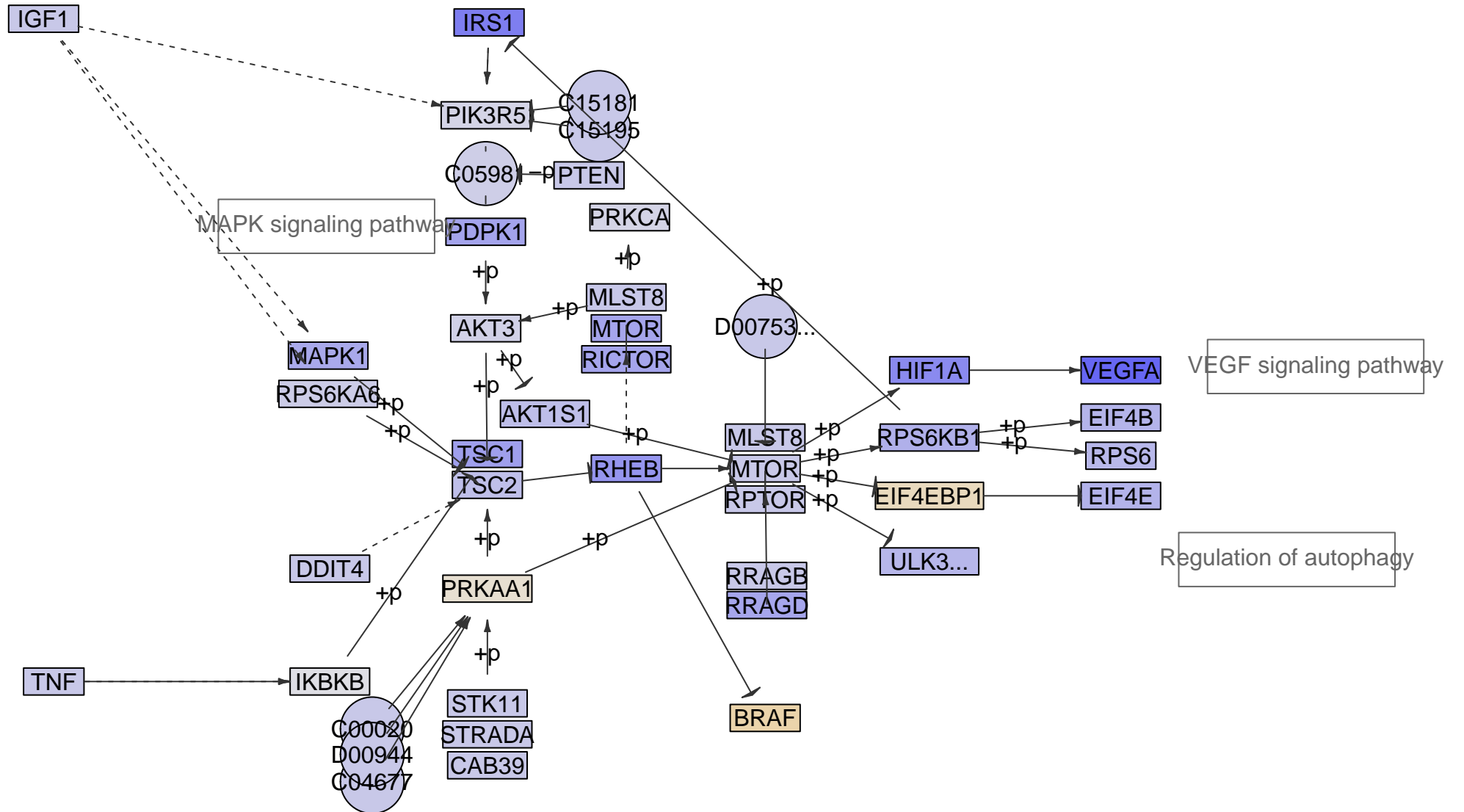
mTOR signaling pathway  
MPI-076

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



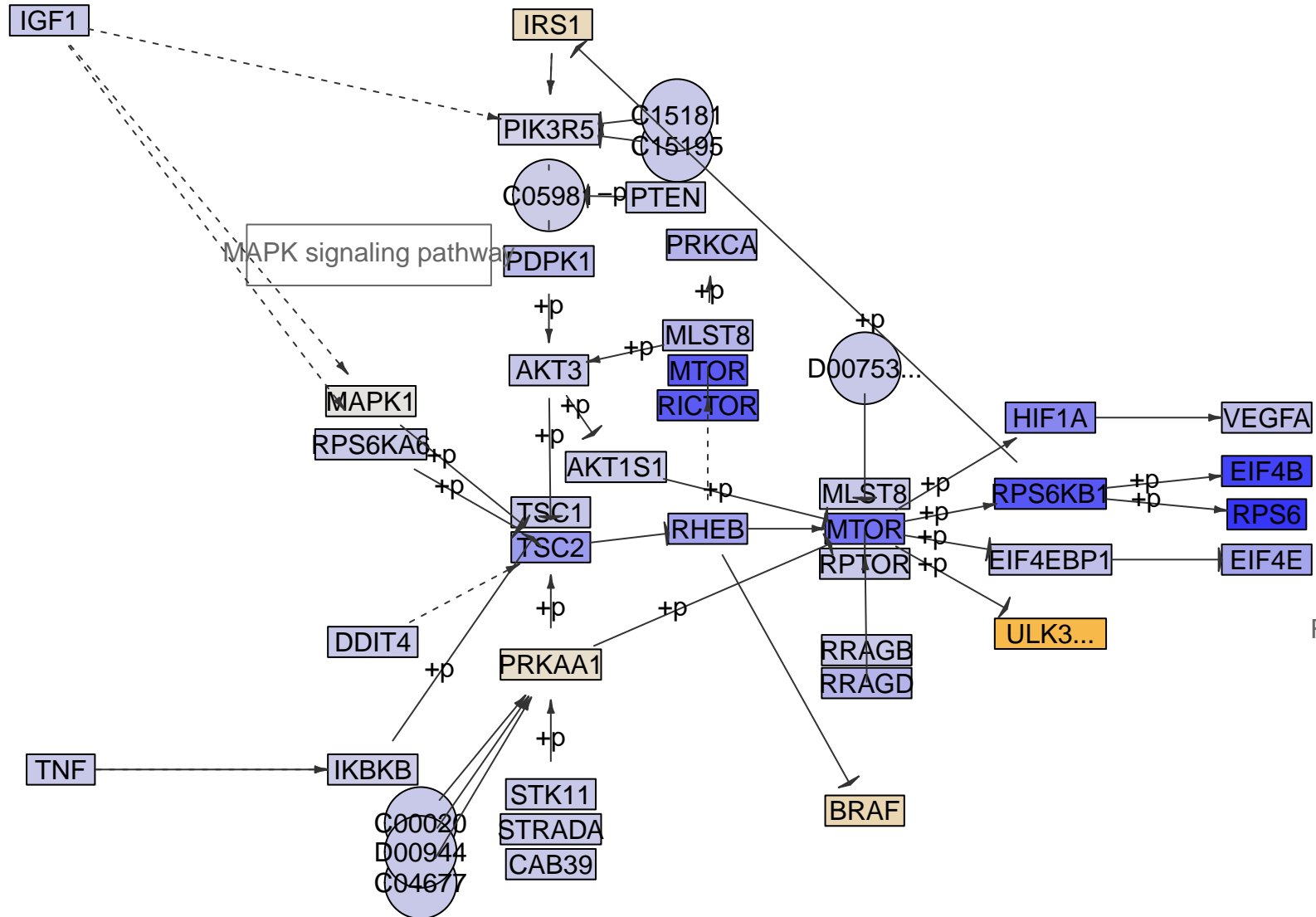
mTOR signaling pathway  
MPI-083

Insulin signaling pathway

MAPK signaling pathway

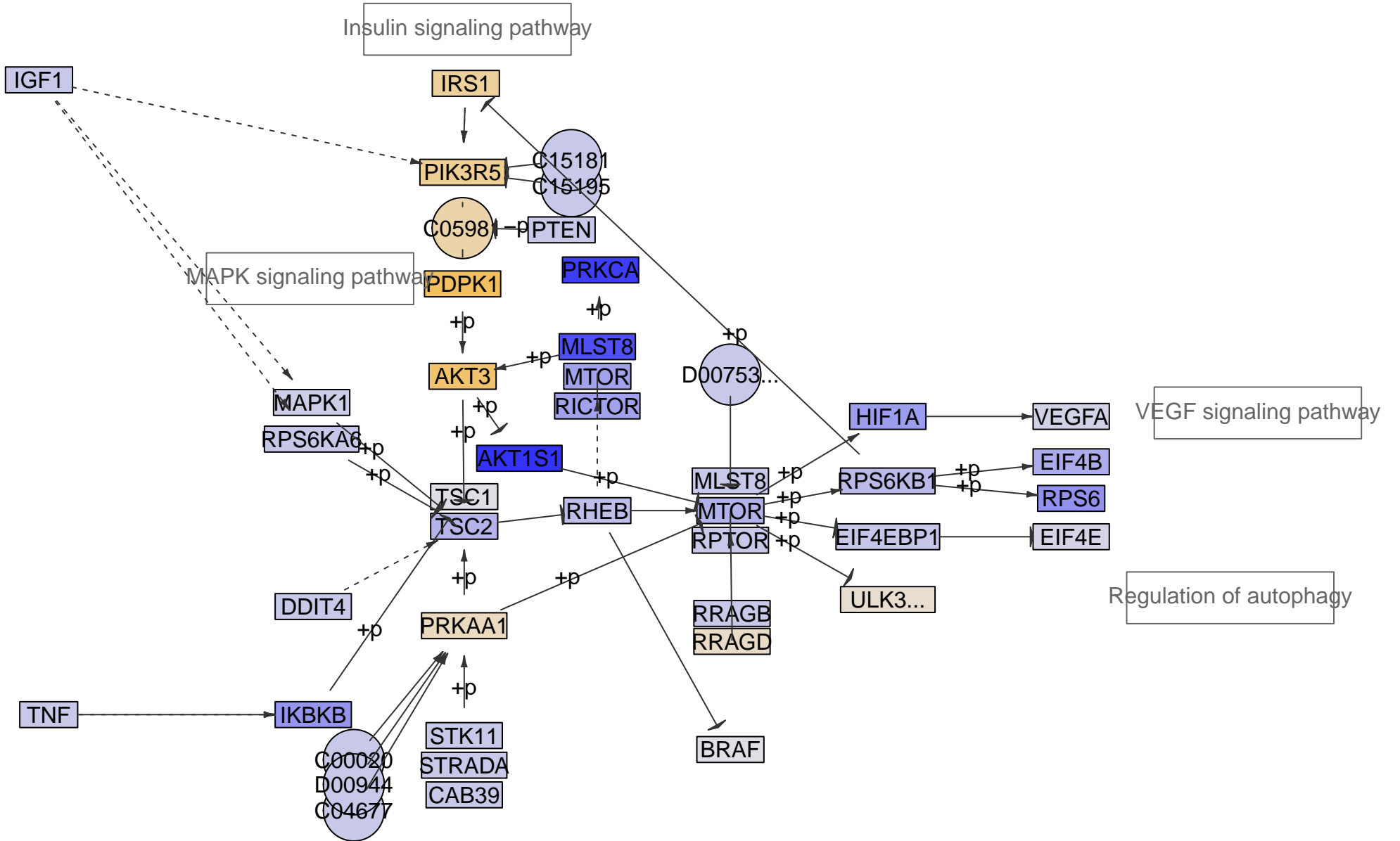
VEGF signaling pathway

Regulation of autophagy





mTOR signaling pathway  
MPI-088



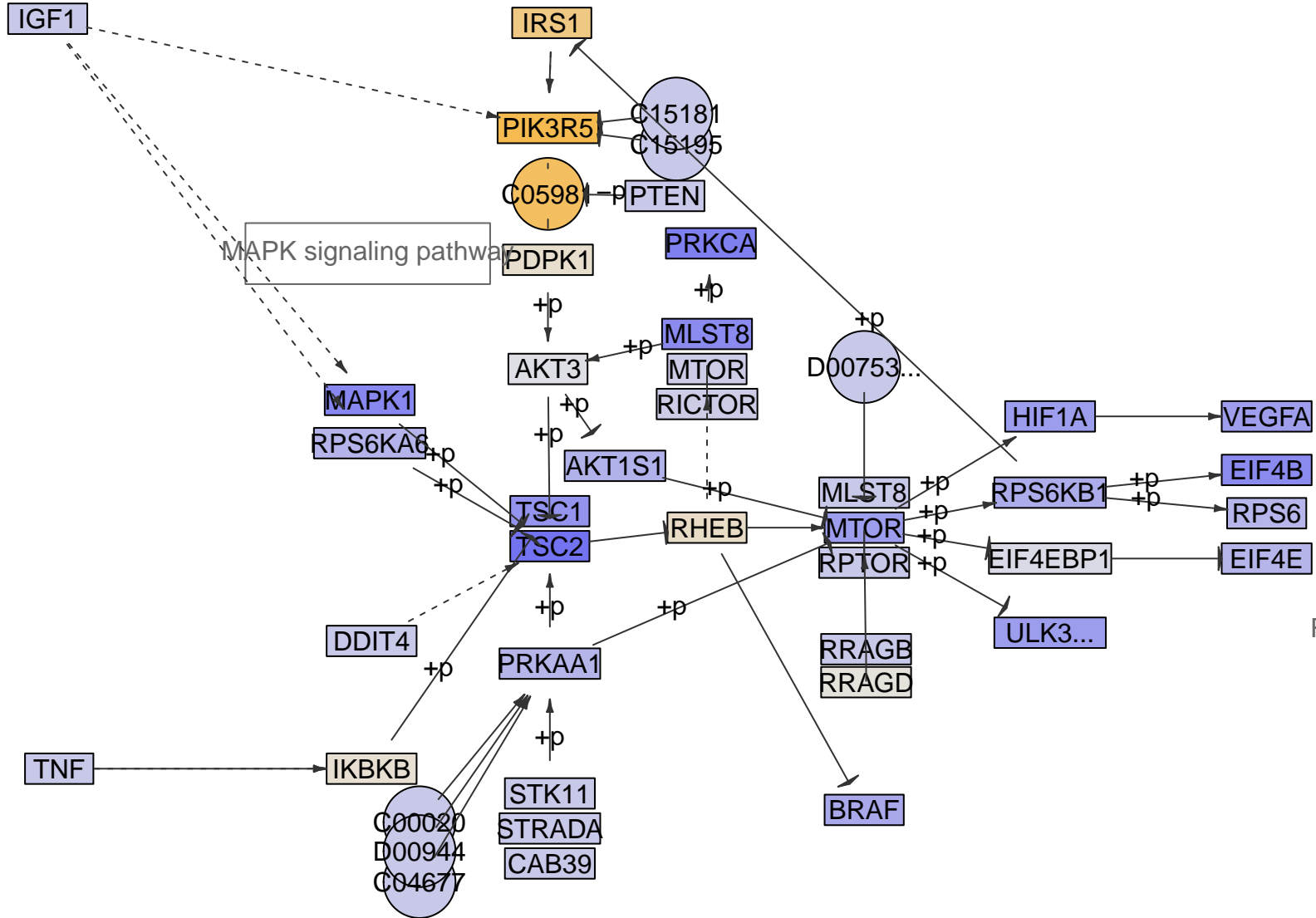
mTOR signaling pathway  
MPI-092

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



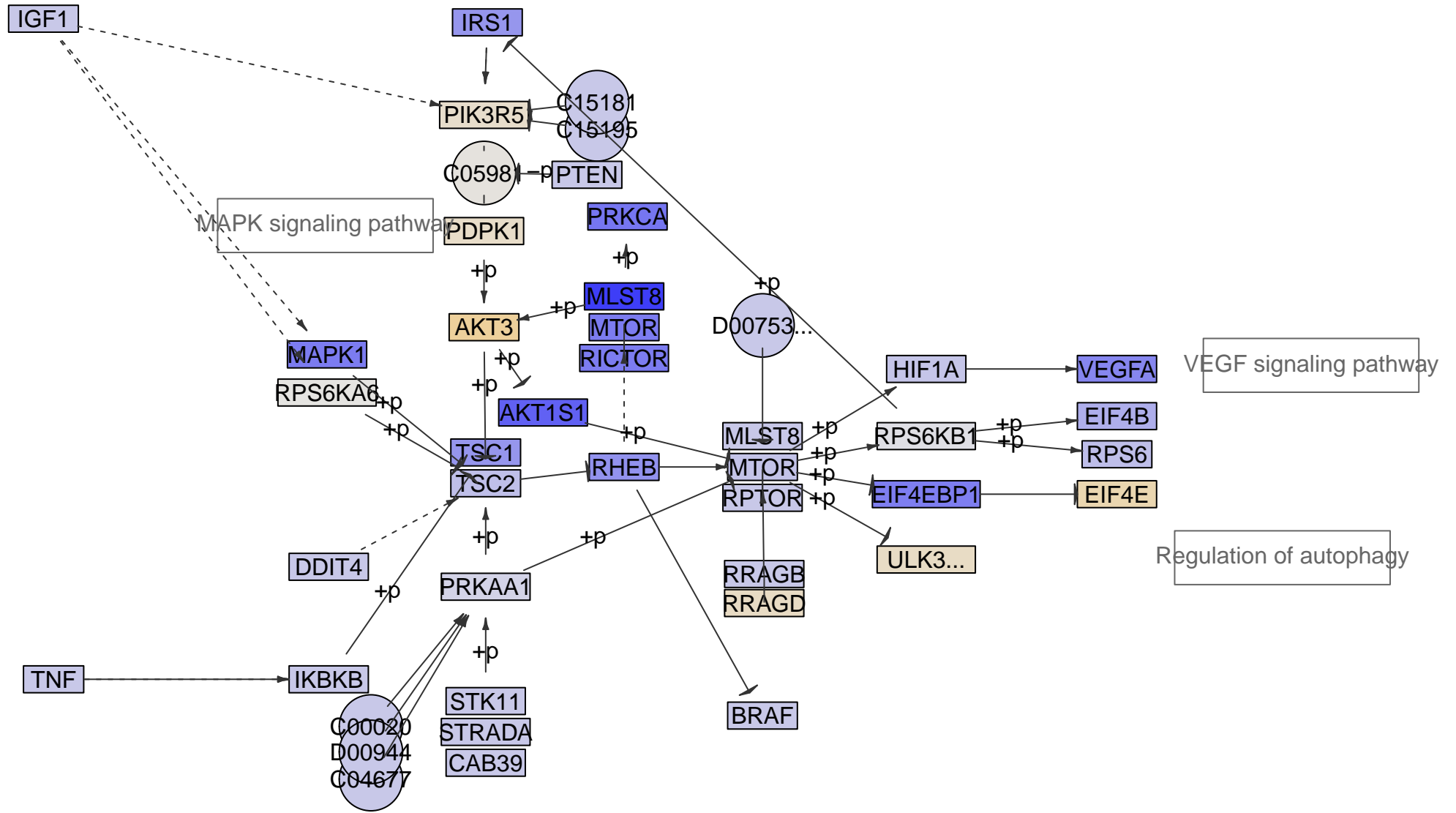
mTOR signaling pathway  
MPI-096

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



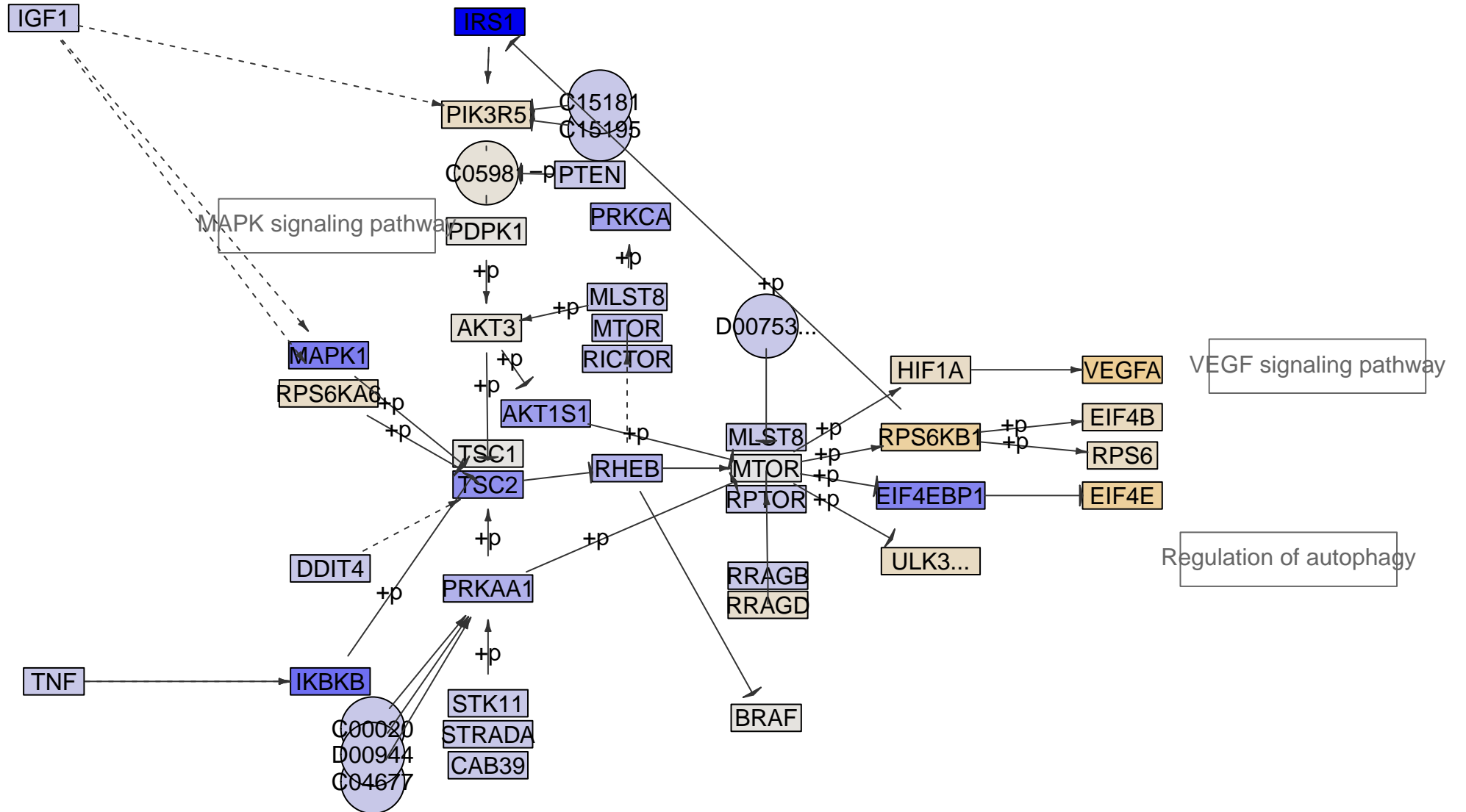
mTOR signaling pathway  
MPI-098

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



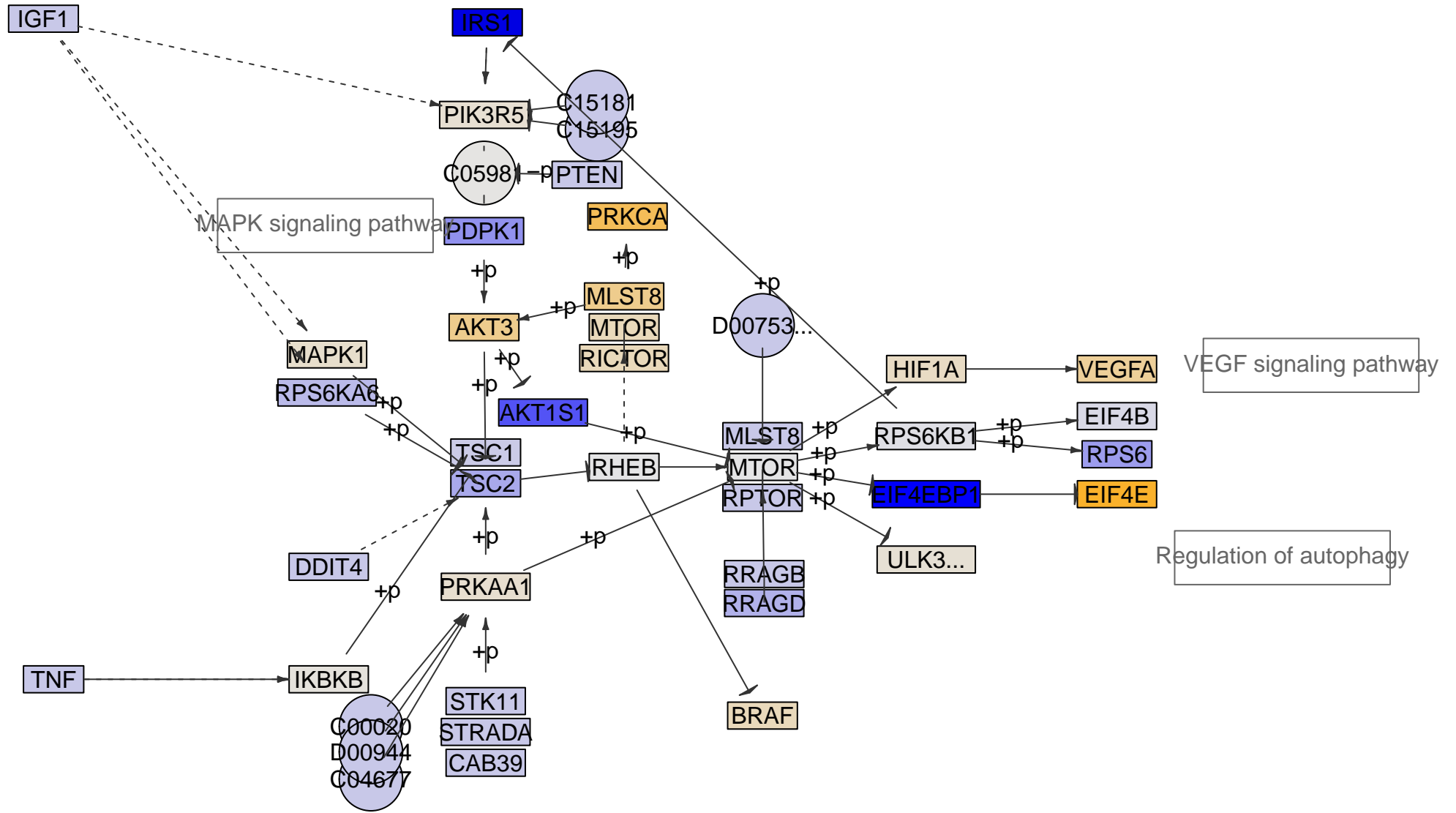
mTOR signaling pathway  
MPI-100

Insulin signaling pathway

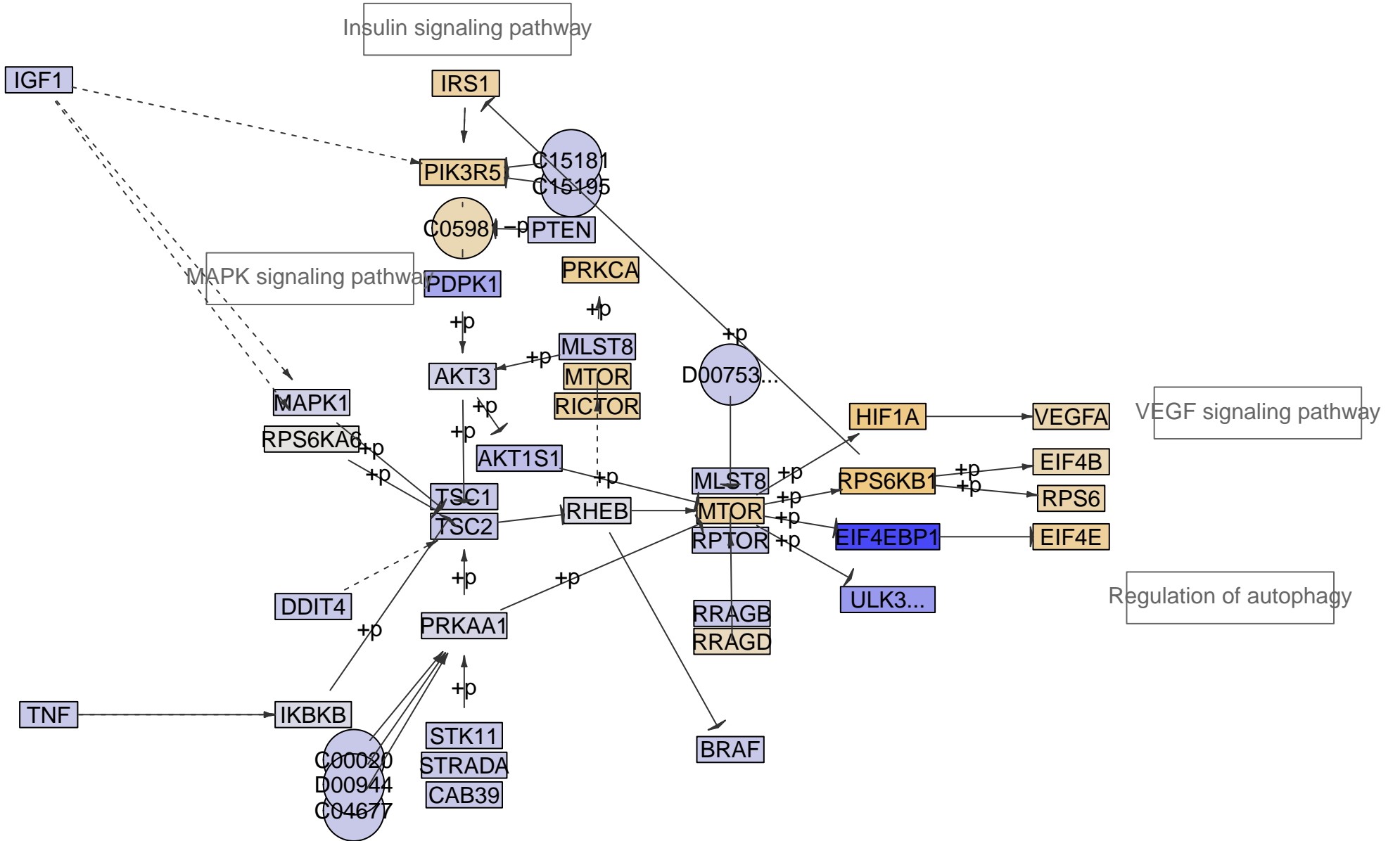
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-105



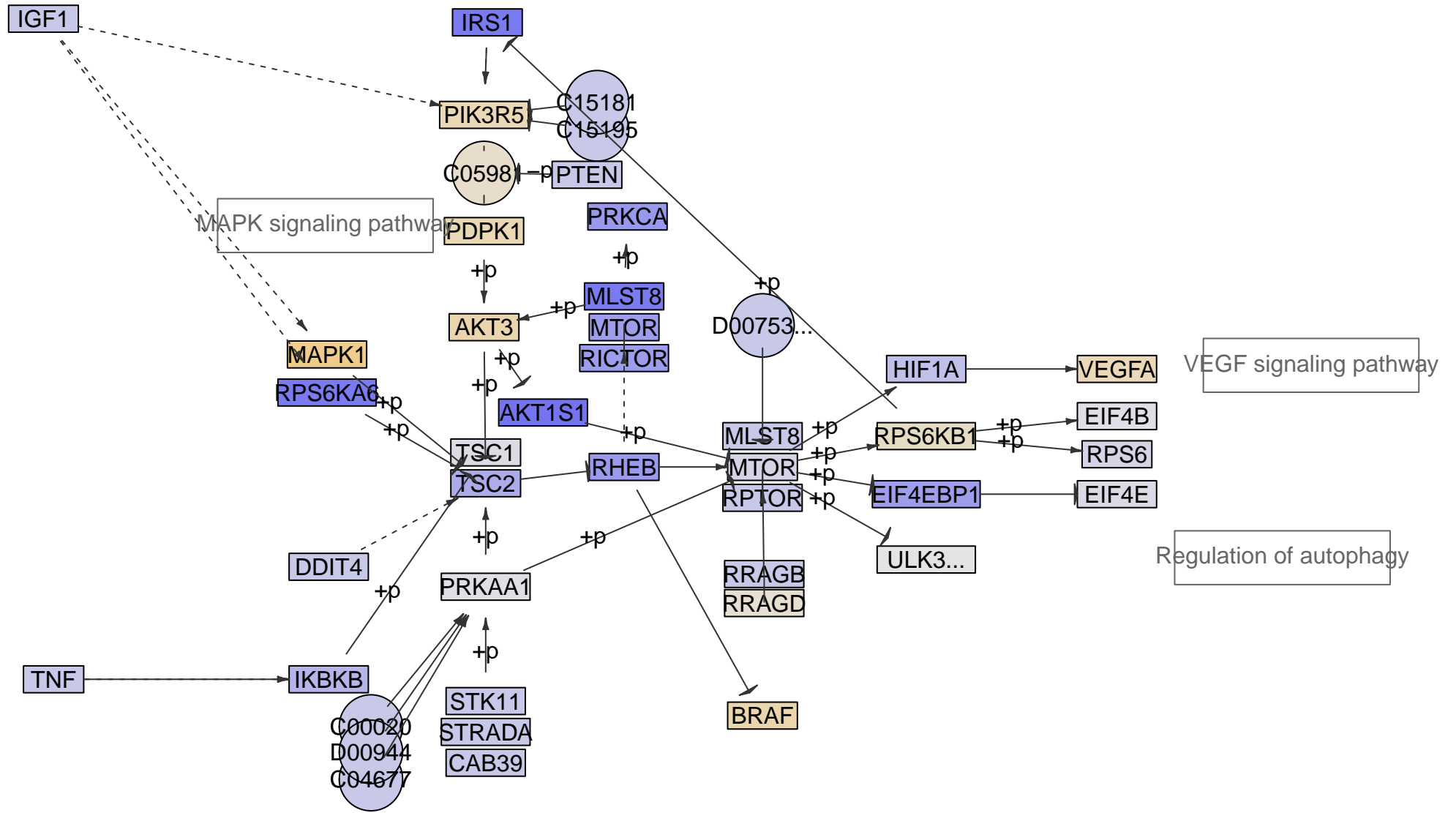
mTOR signaling pathway  
MPI-106

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



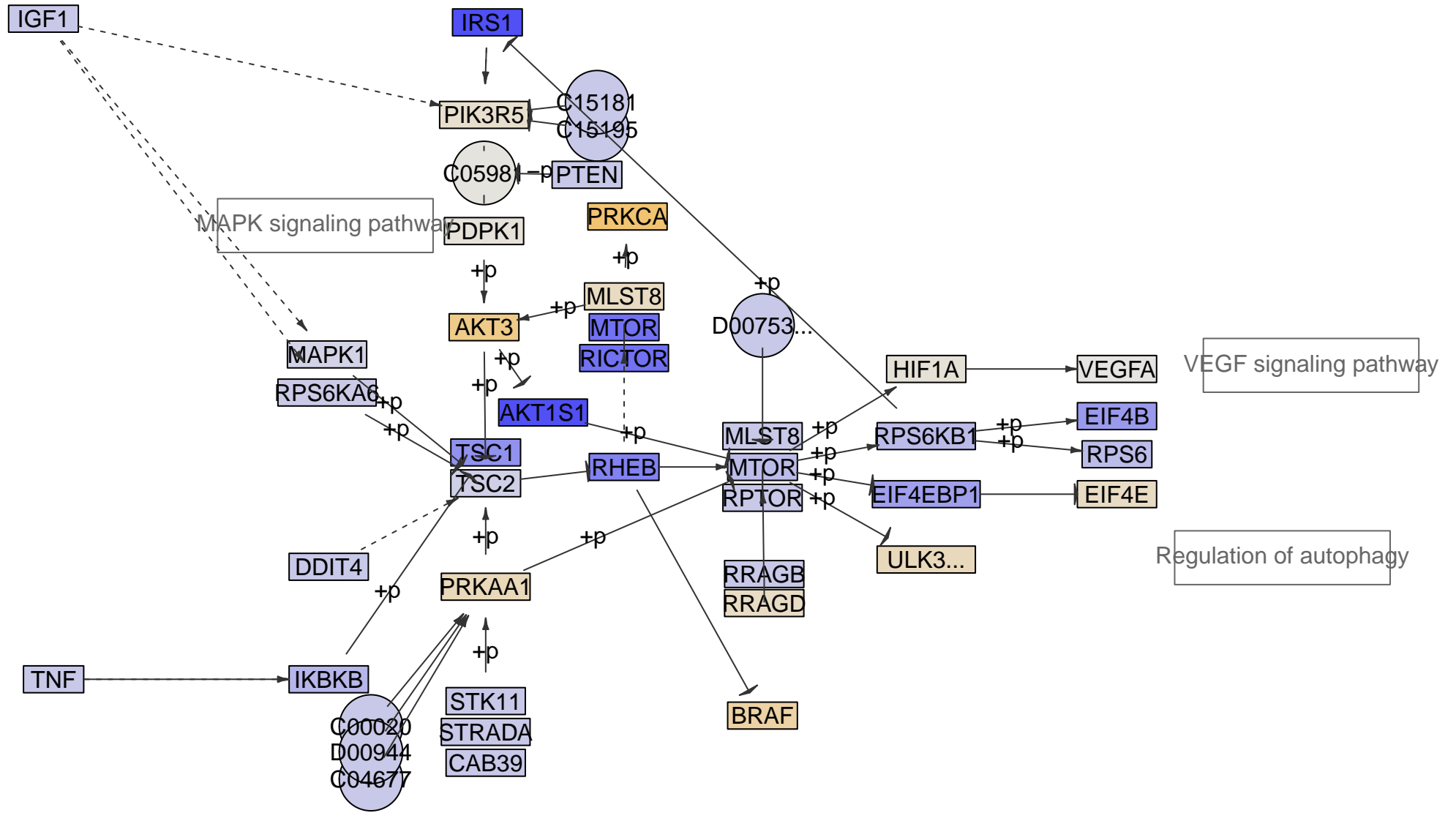
mTOR signaling pathway  
MPI-108

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy





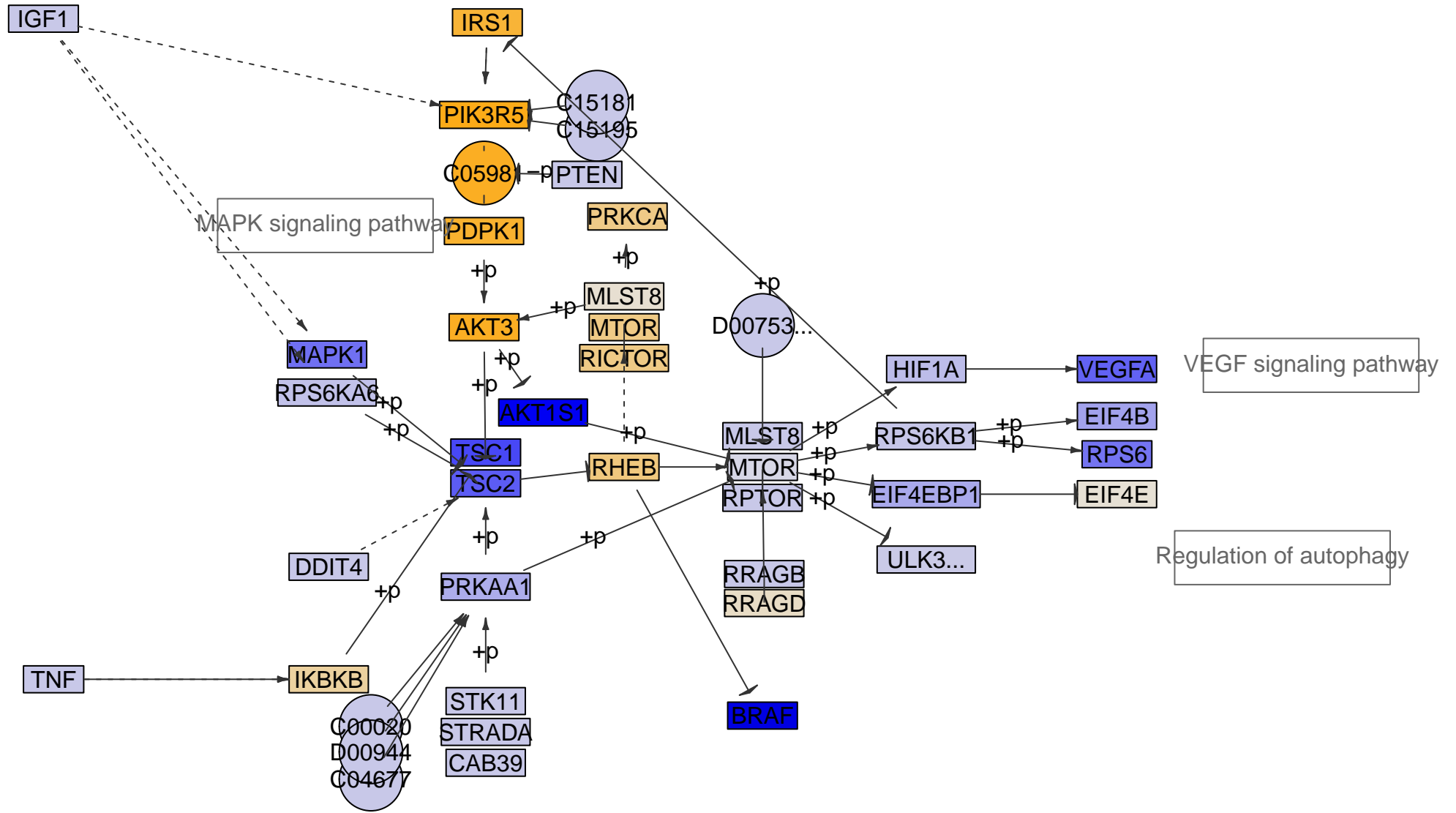
mTOR signaling pathway  
MPI-109

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



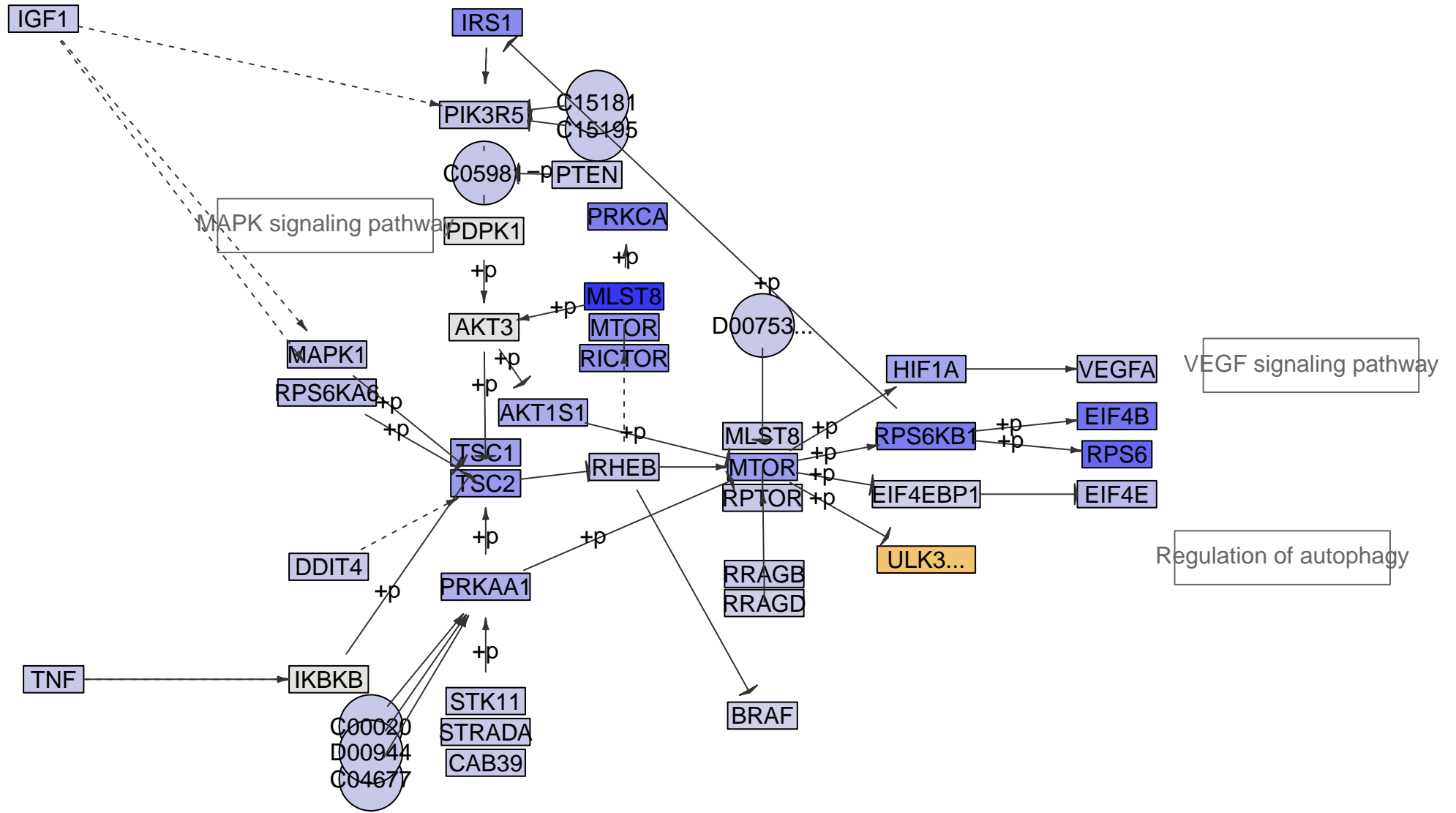
mTOR signaling pathway  
MPI-110

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



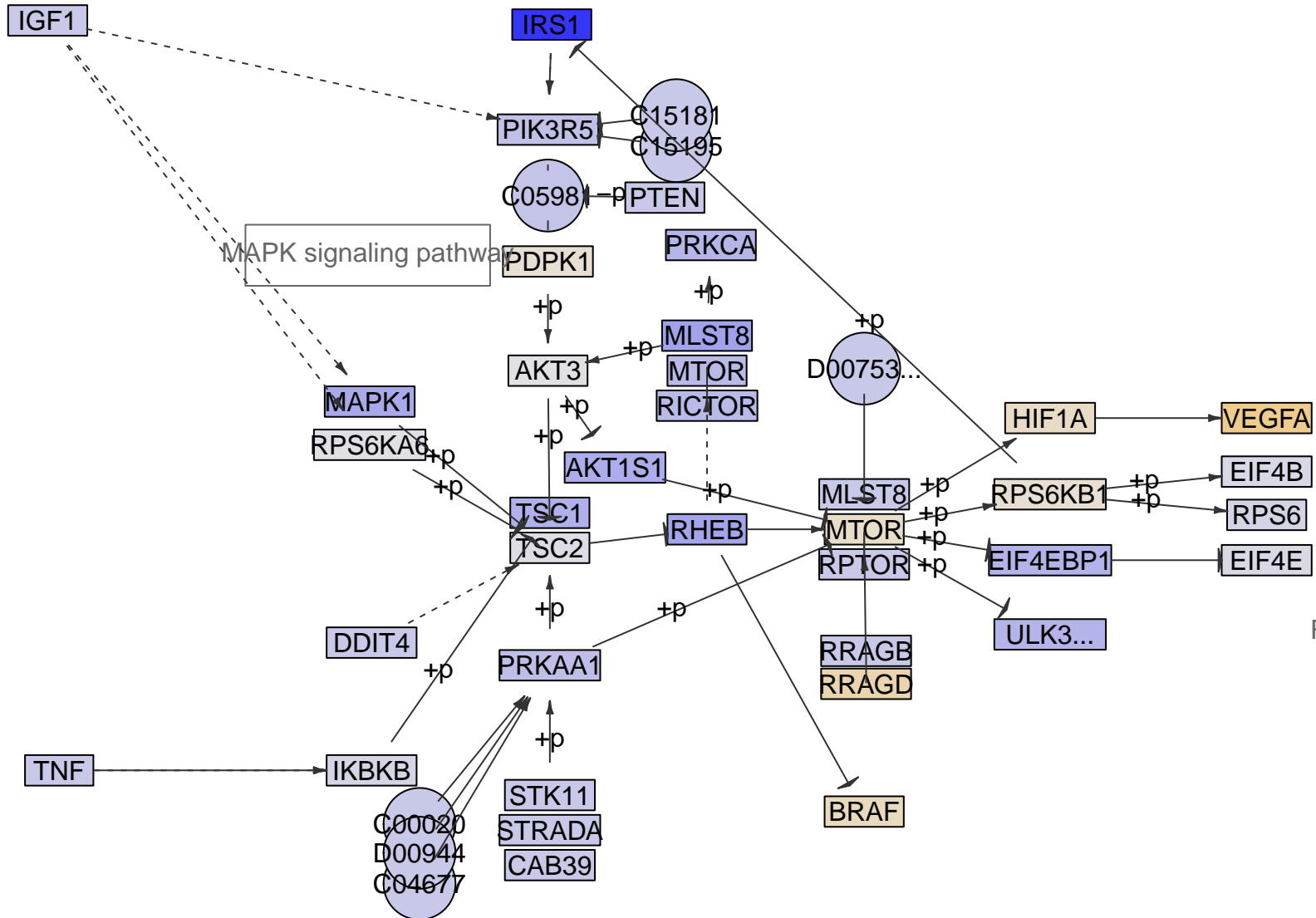
mTOR signaling pathway  
MPI-111

Insulin signaling pathway

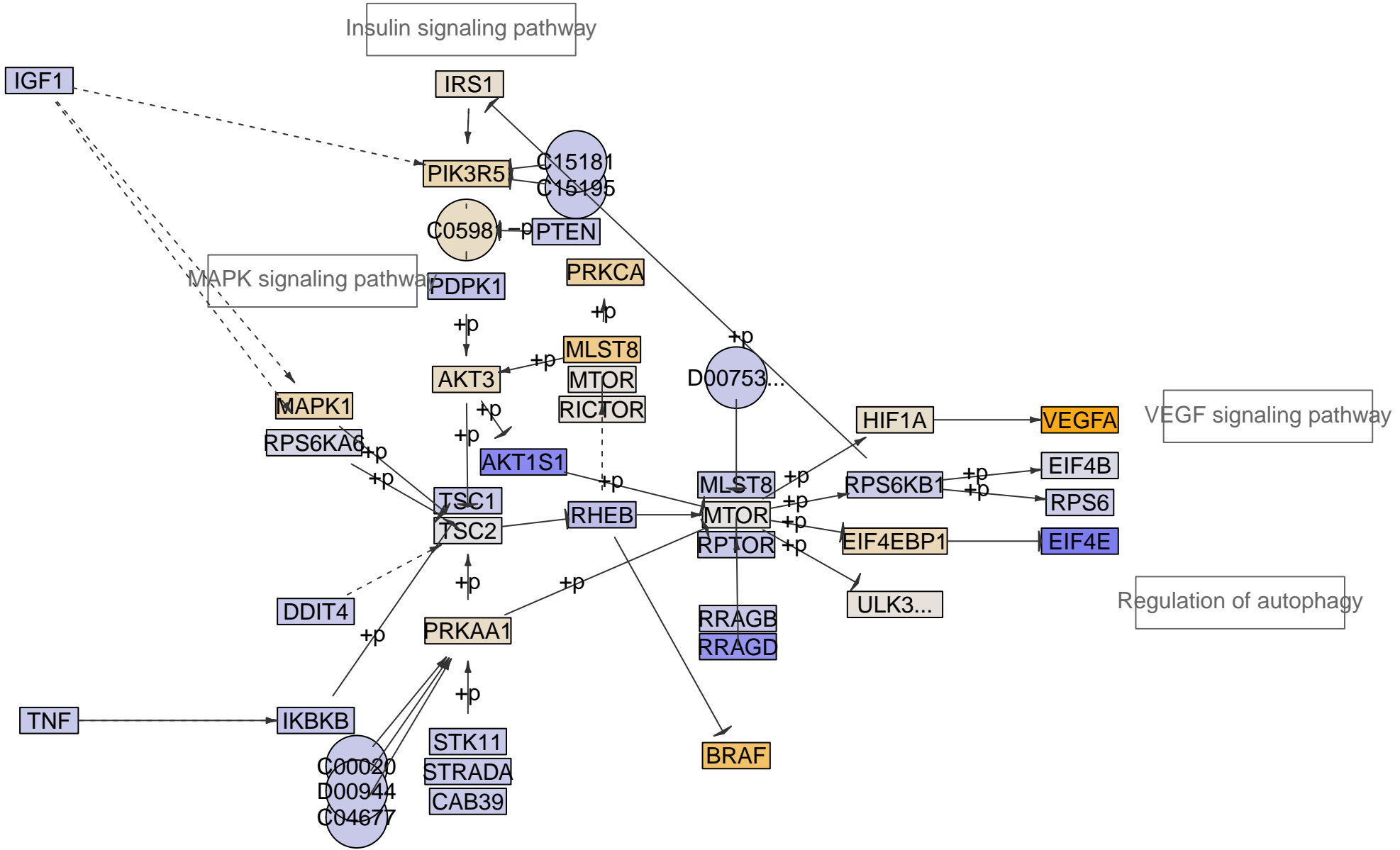
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-113



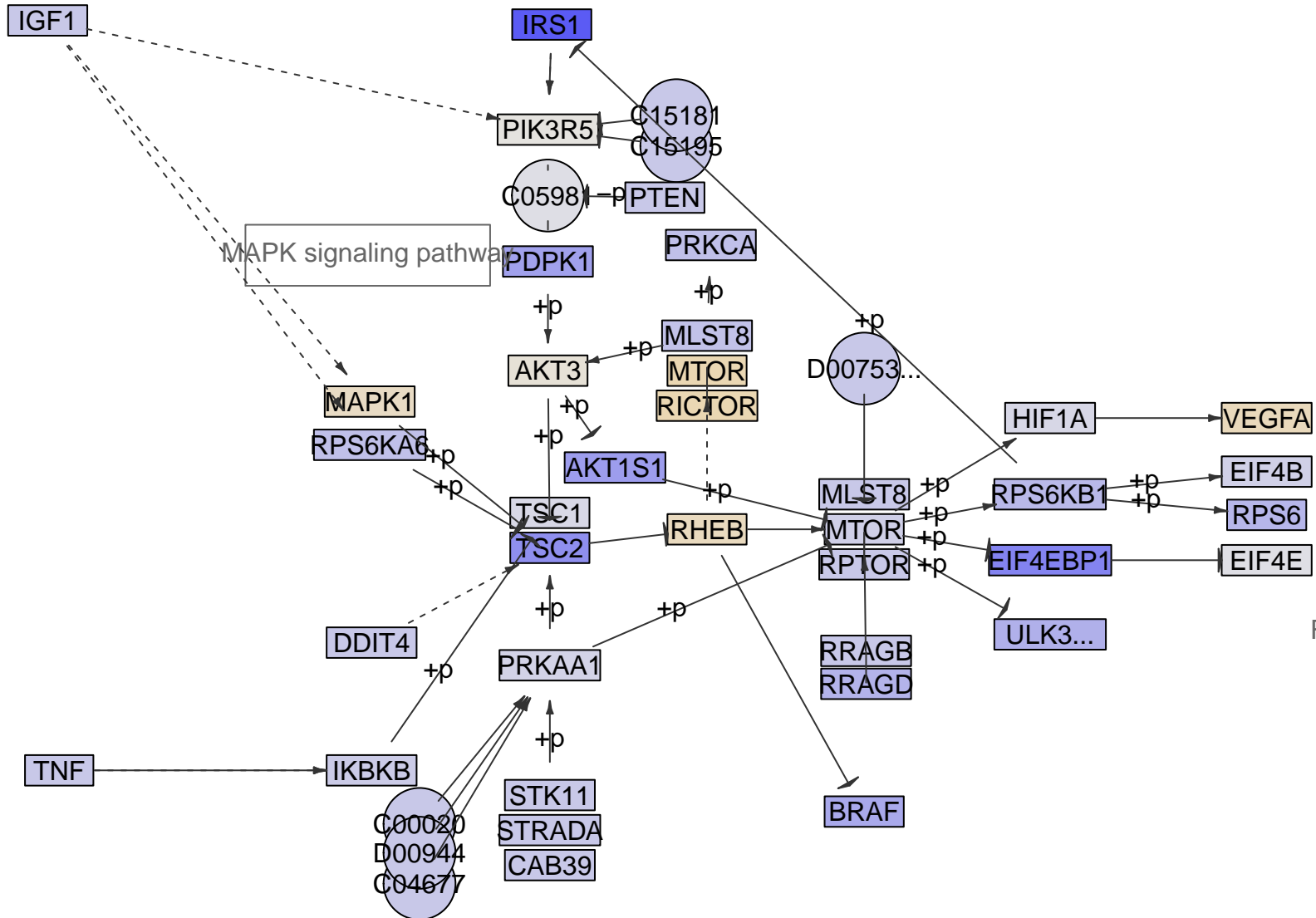
mTOR signaling pathway  
MPI-115

Insulin signaling pathway

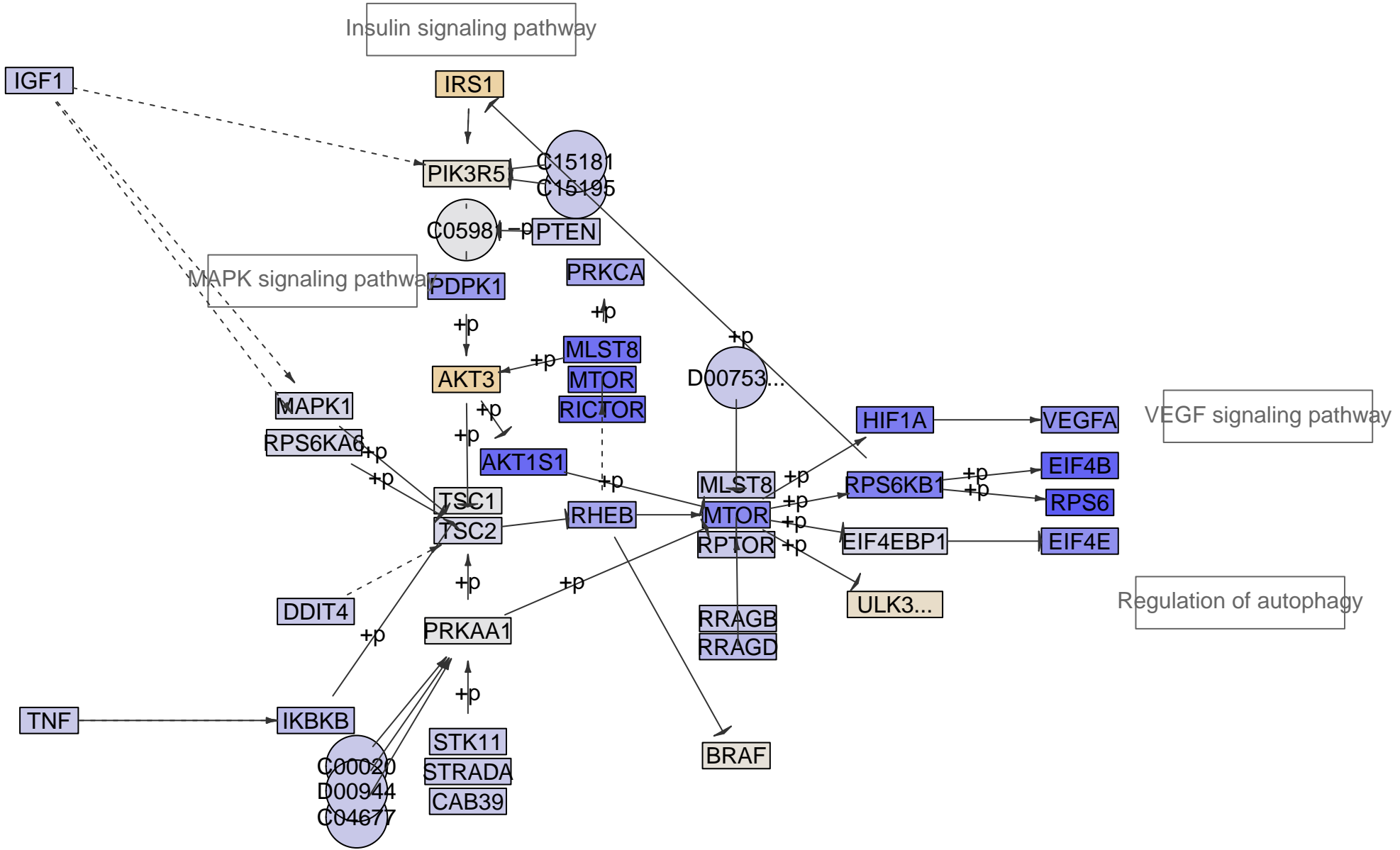
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-118



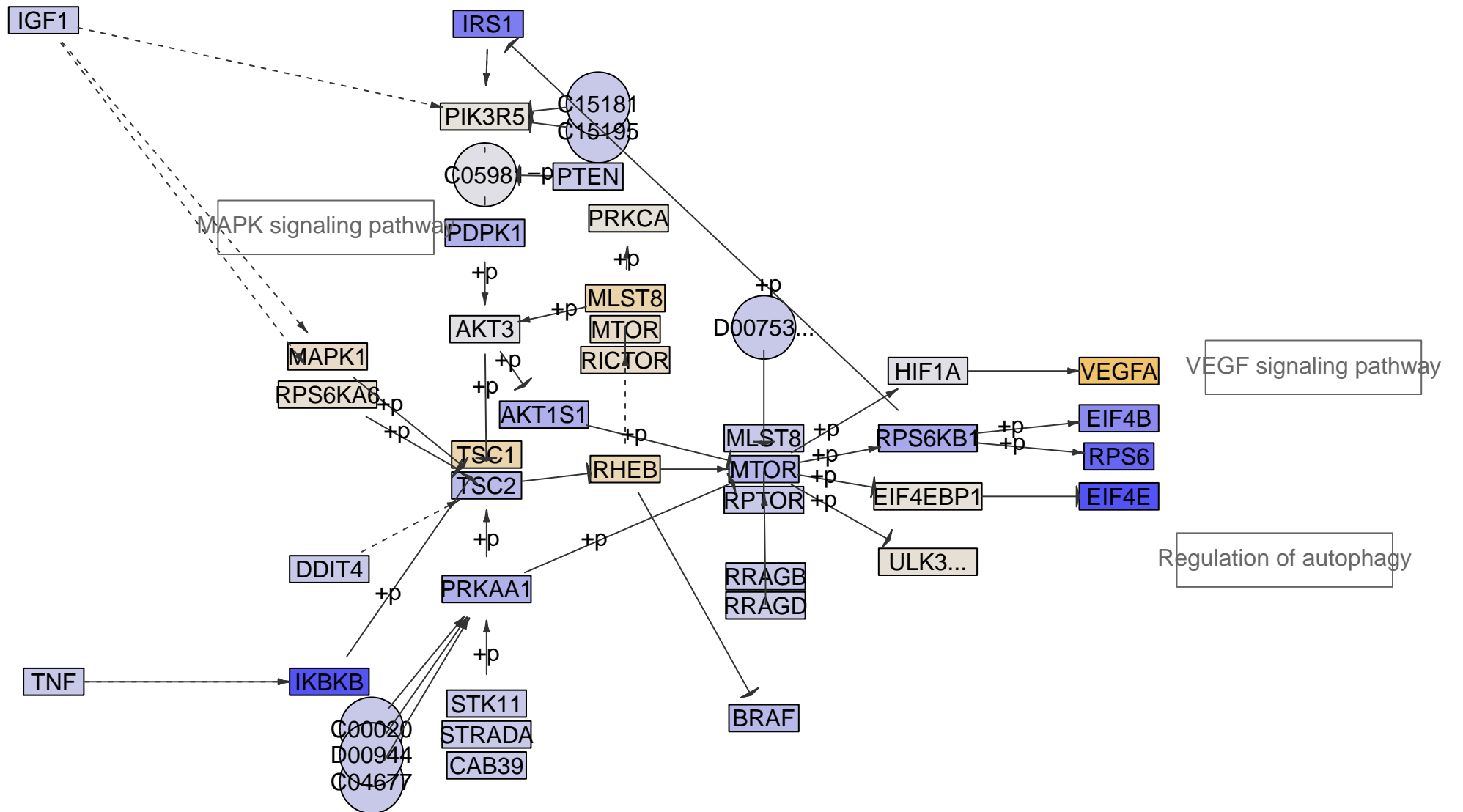
mTOR signaling pathway  
MPI-119

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-122

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598  
PTEN

PDPK1

PRKCA

MAPK1

RPS6KA6

AKT3

MLST8

MTOR

RICTOR

D00753...

HIF1A

VEGFA

MAPK1

RPS6KA6

AKT1S1

MLST8

MTOR

RPS6KB1

EIF4B

RPS6

TSC1

TSC2

RHEB

MLST8

MTOR

EIF4EBP1

EIF4E

PRKAA1

RPTOR

ULK3...

DDIT4

PRKAA1

RRAGB

RRAGD

TNF

IKBKB

STK11

STRADA

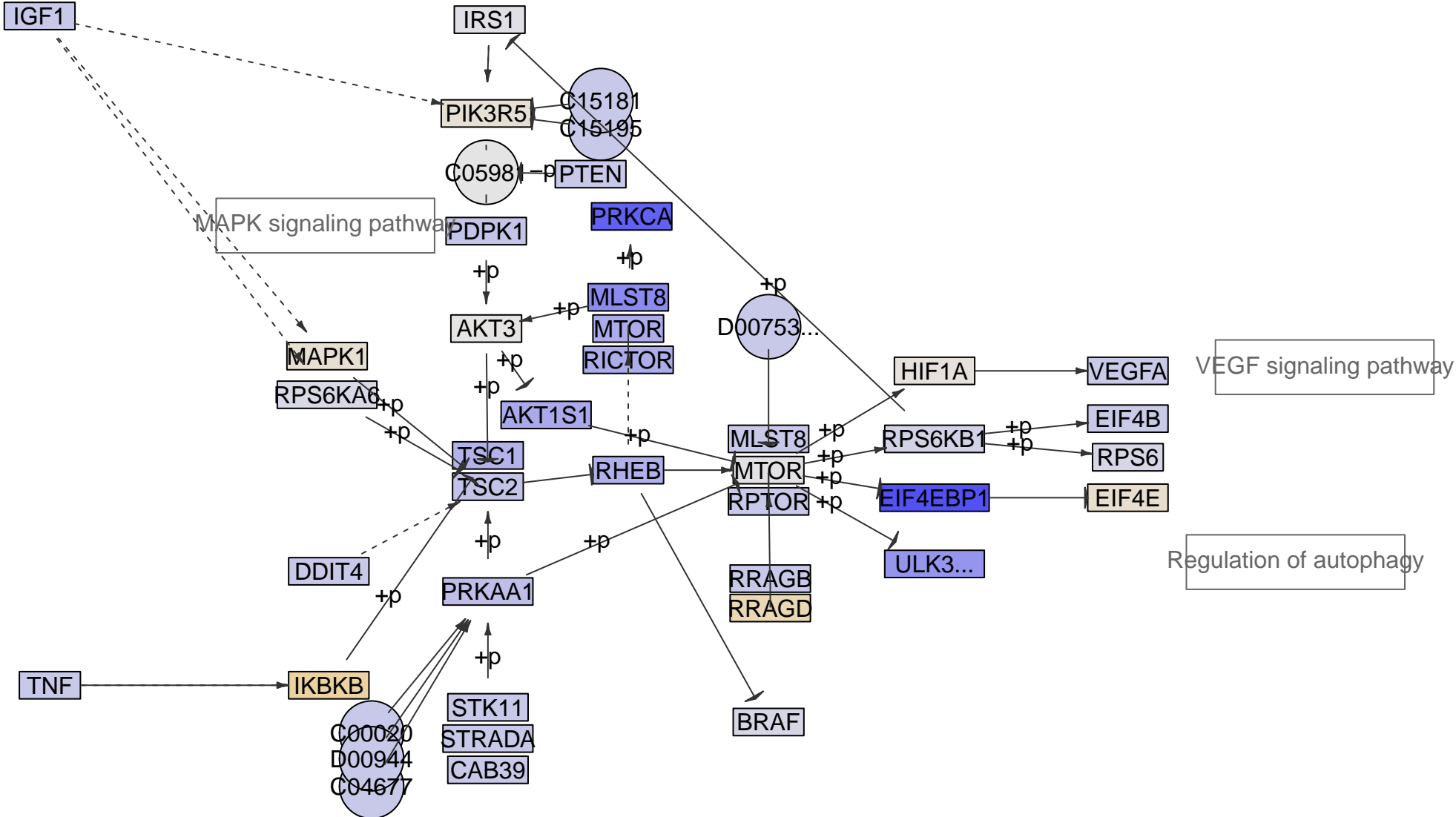
CAB39

C00020

D00944

C04677

BRAF





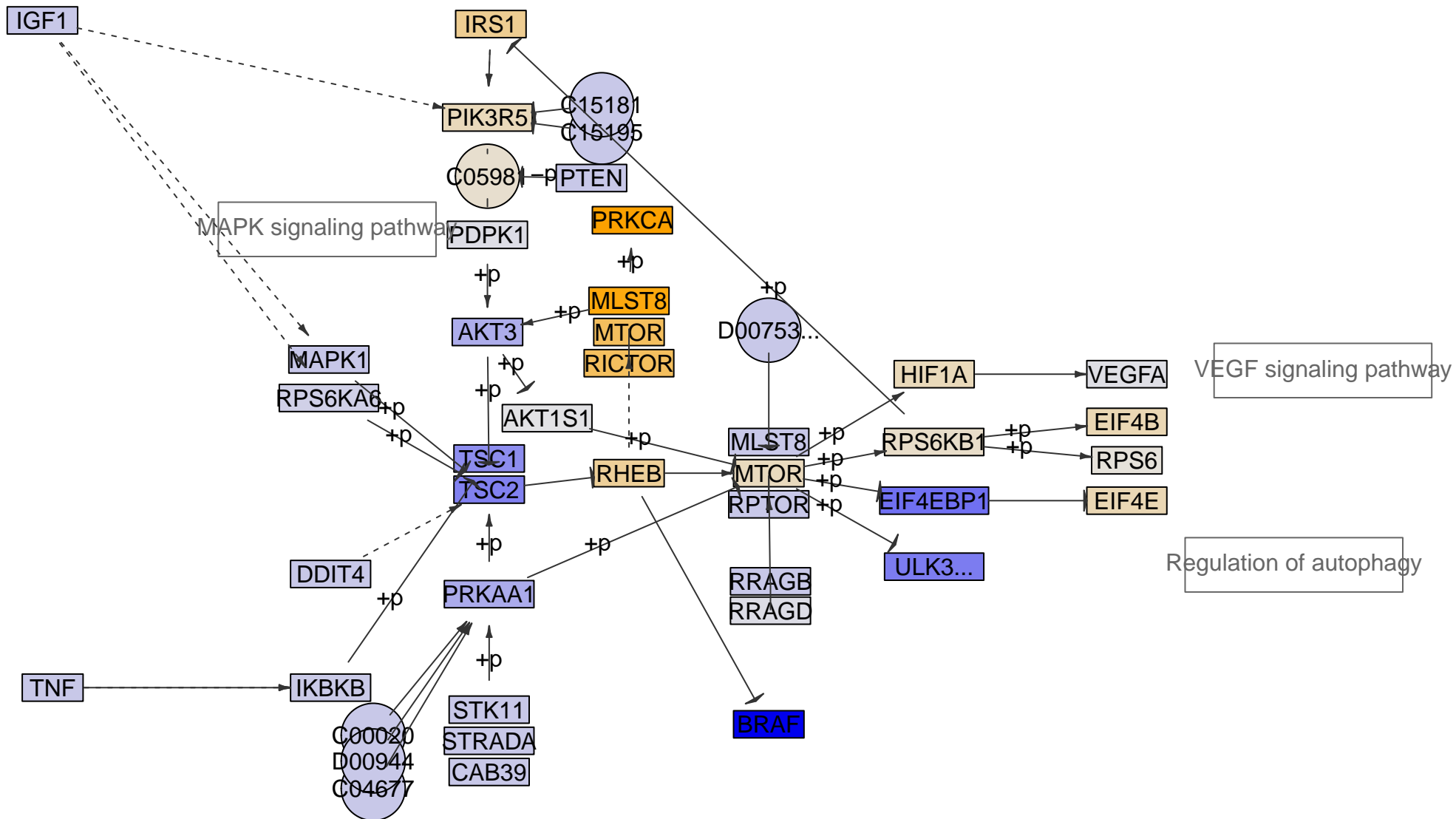
mTOR signaling pathway  
MPI-127

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



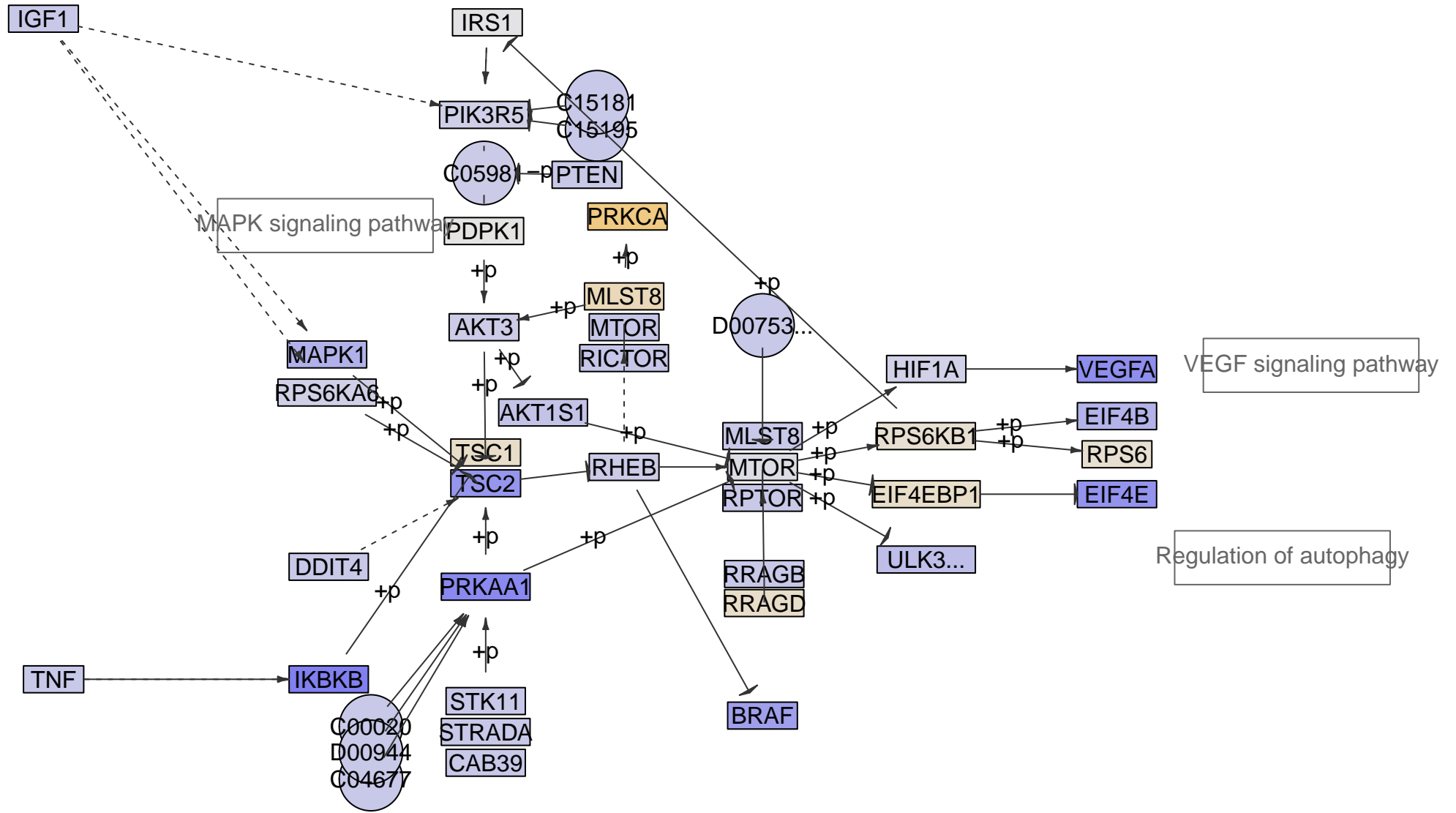
mTOR signaling pathway  
MPI-128

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



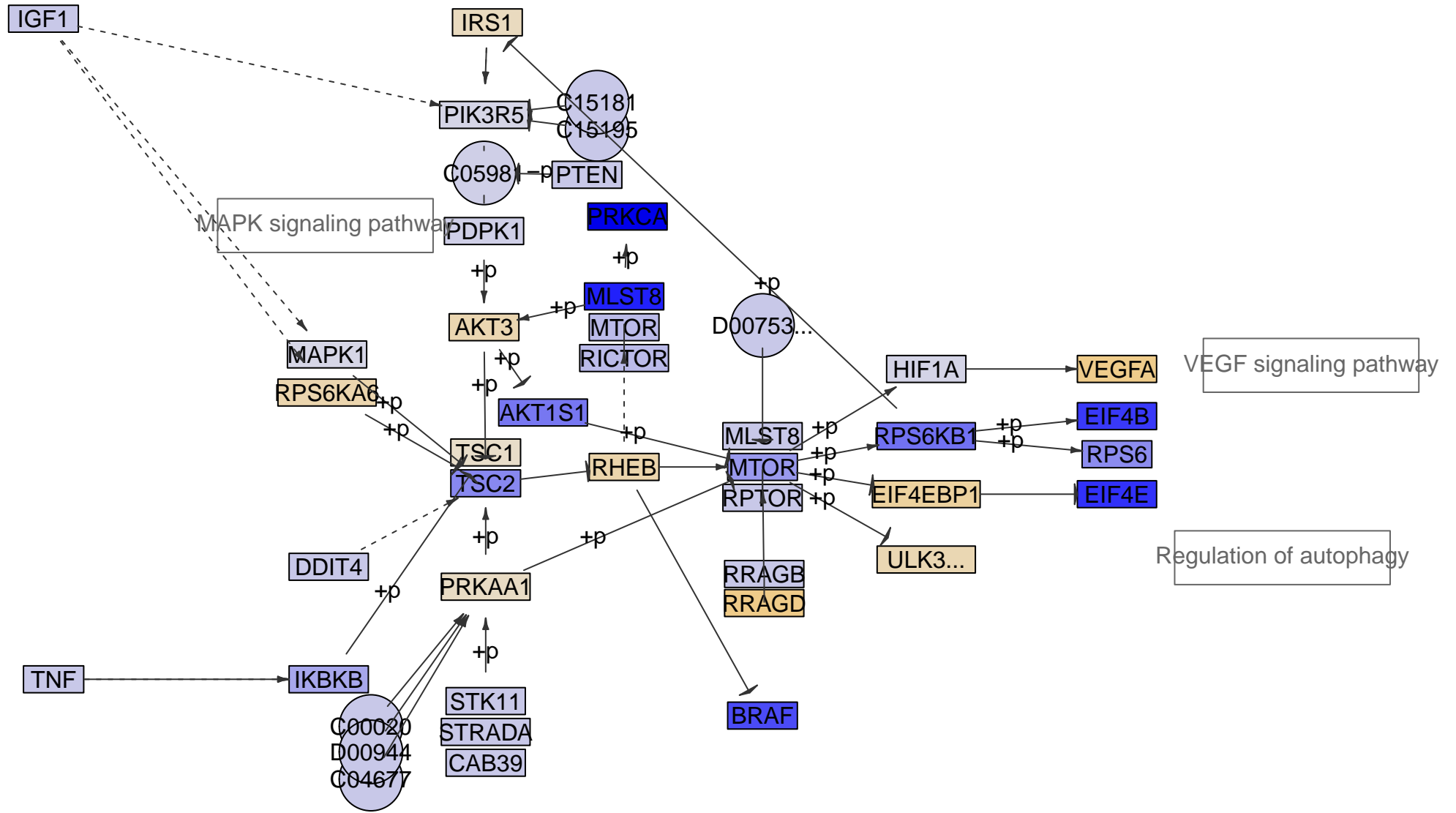
mTOR signaling pathway  
MPI-129

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



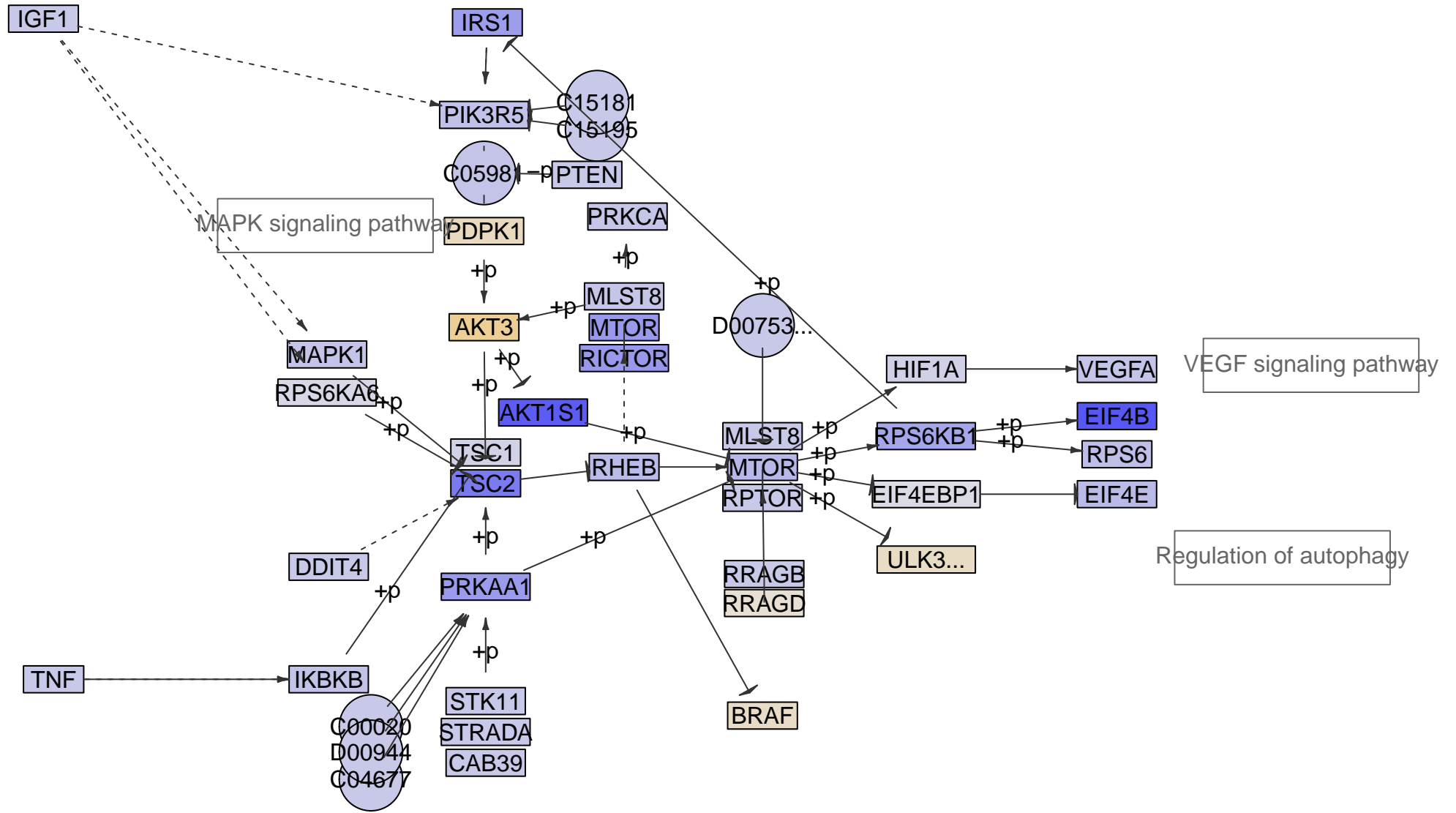
mTOR signaling pathway  
MPI-130

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-132

Insulin signaling pathway

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

+p

+p

AKT3

MLST8

+p

MTOR

RICTOR

D00753...

MAPK signaling pathway

MAPK1

RPS6KA6

+p

+p

AKT1S1

+p

TSC1

TSC2

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

VEGF signaling pathway

EIF4B

RPS6KB1

RPS6

EIF4EBP1

EIF4E

Regulation of autophagy

ULK3...

DDIT4

+p

PRKAA1

+p

+p

BRAF

TNF

IKBKB

C00020

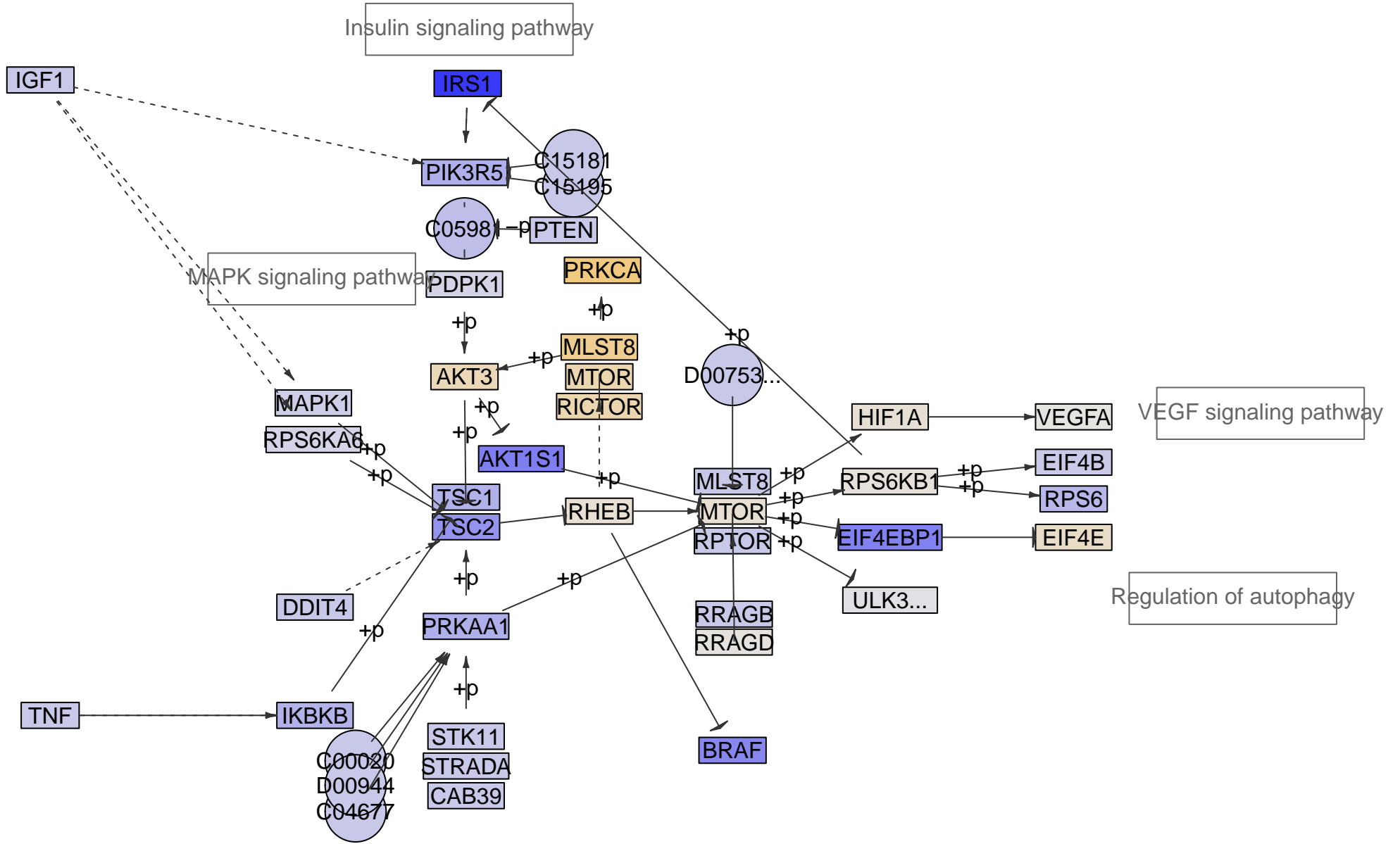
D00944

C04677

STK11

STRADA

CAB39



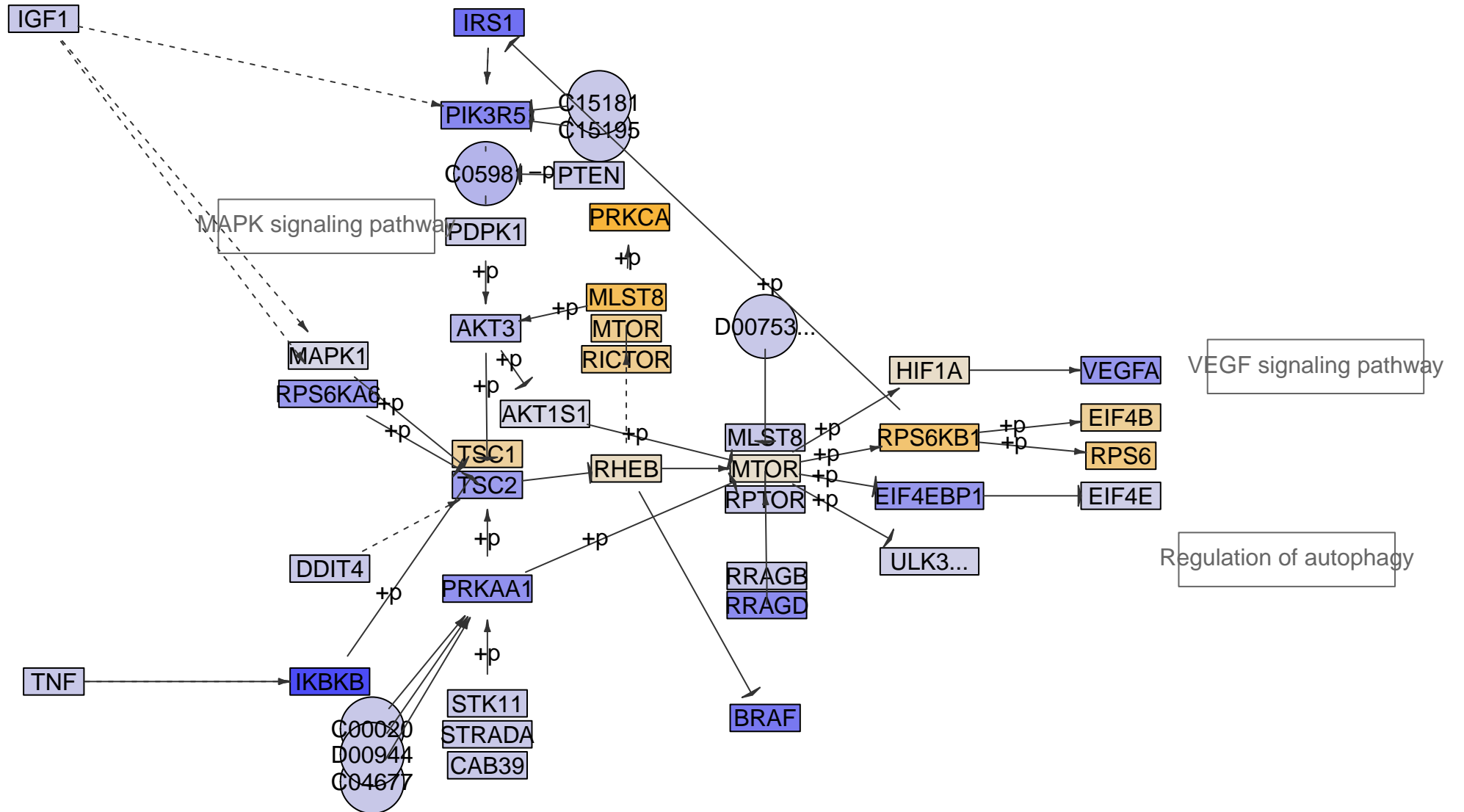
mTOR signaling pathway  
MPI-133

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



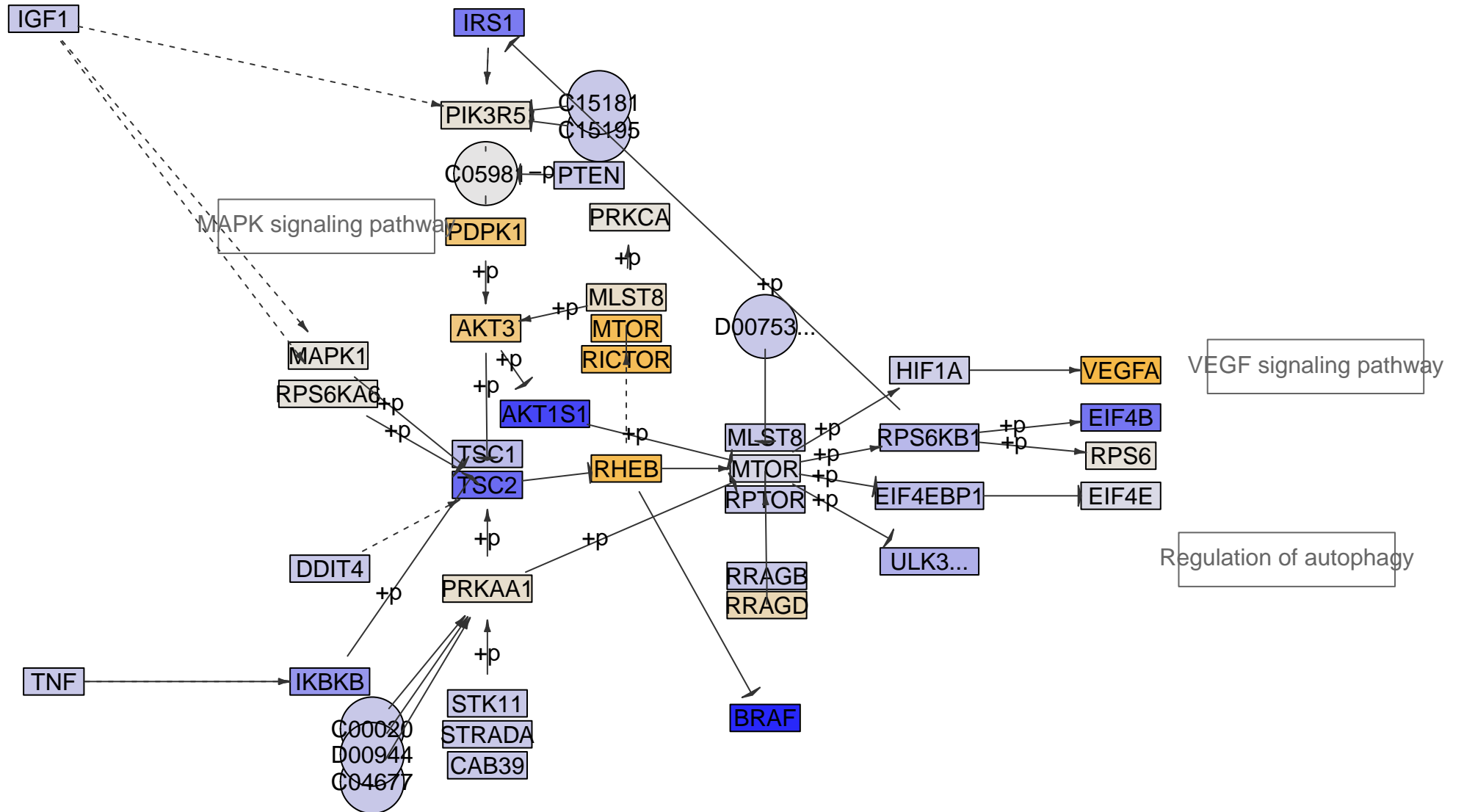
mTOR signaling pathway  
MPI-134

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



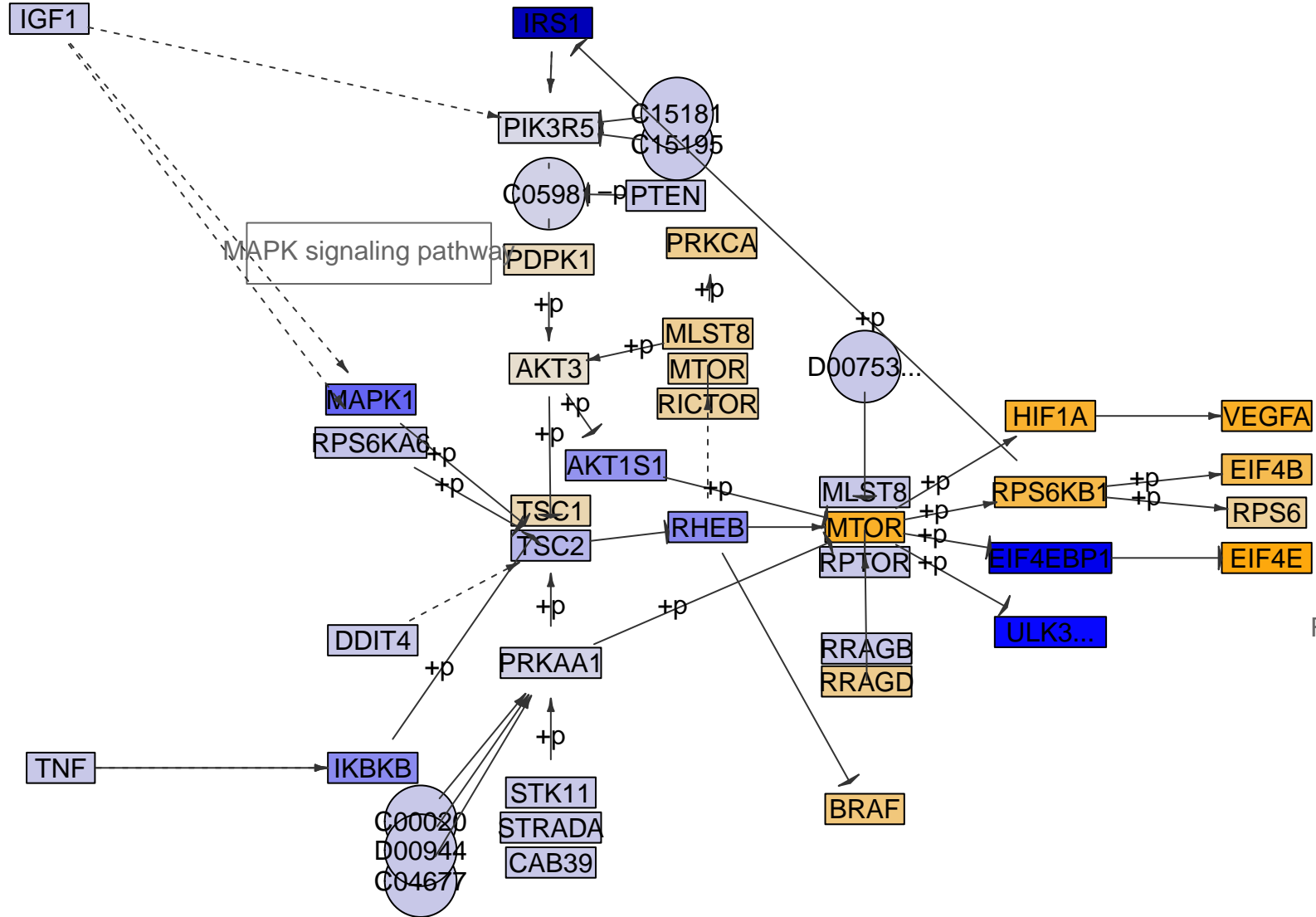
mTOR signaling pathway  
MPI-135

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy





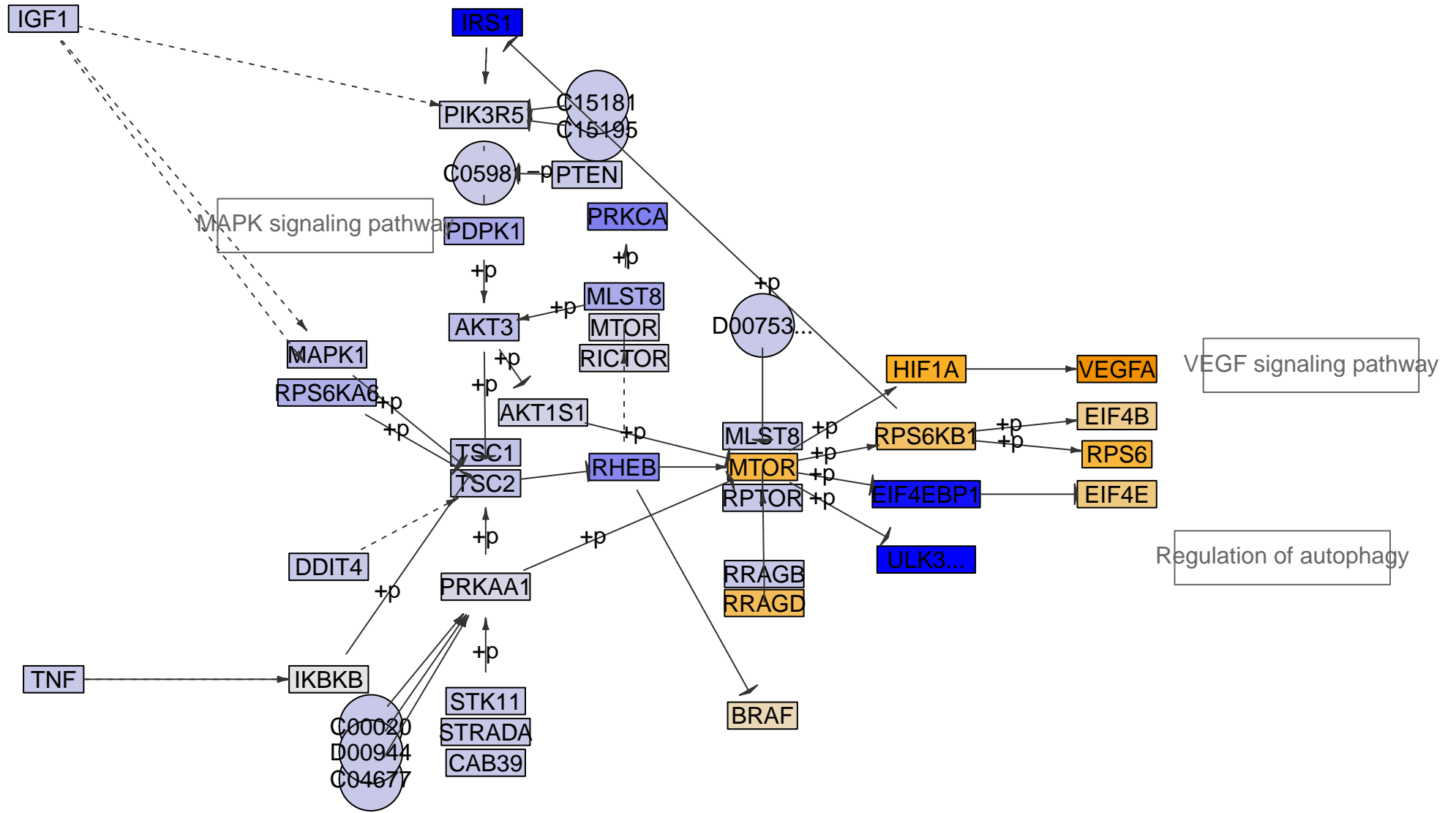
mTOR signaling pathway  
MPI-136

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



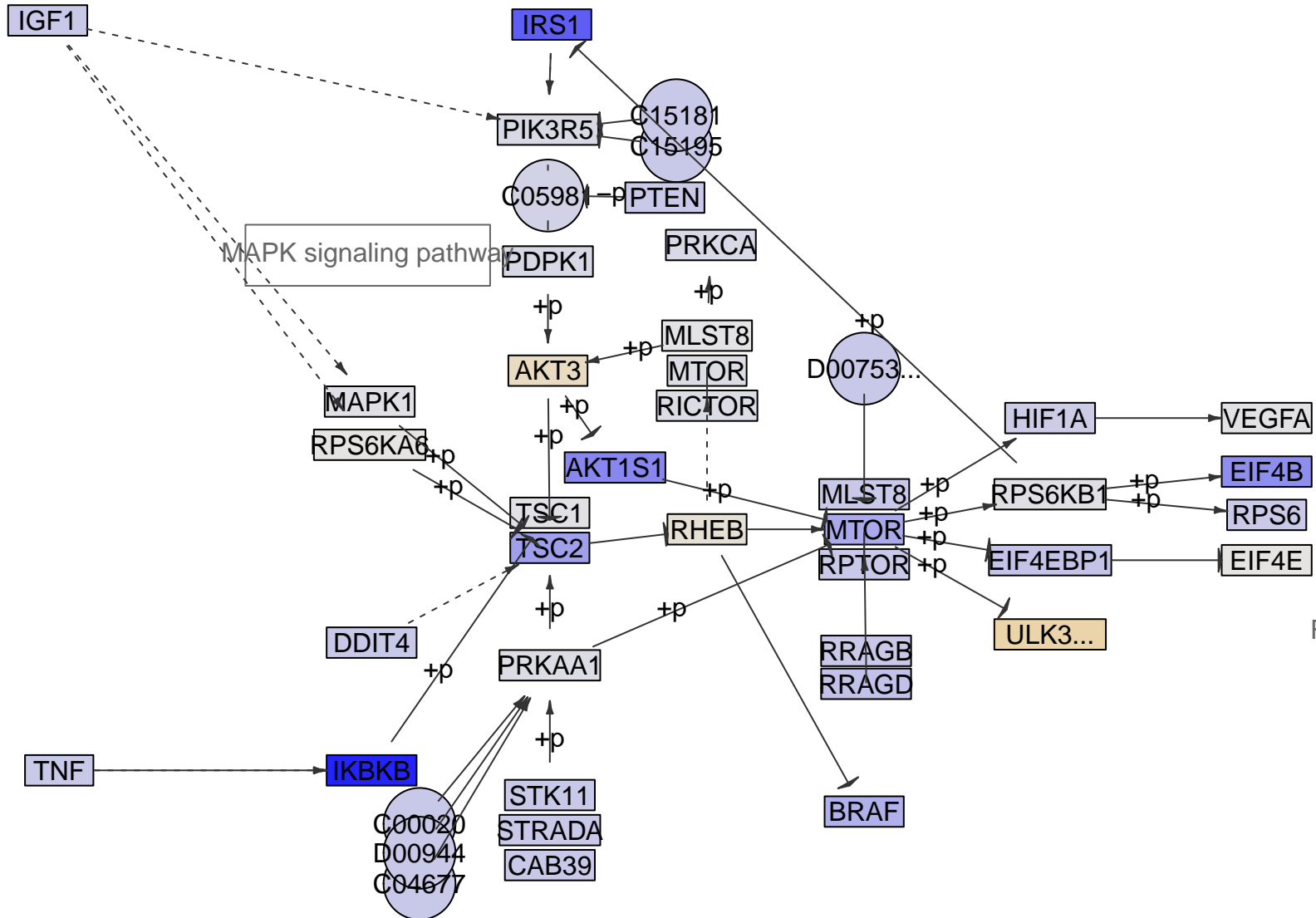
mTOR signaling pathway  
MPI-141

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



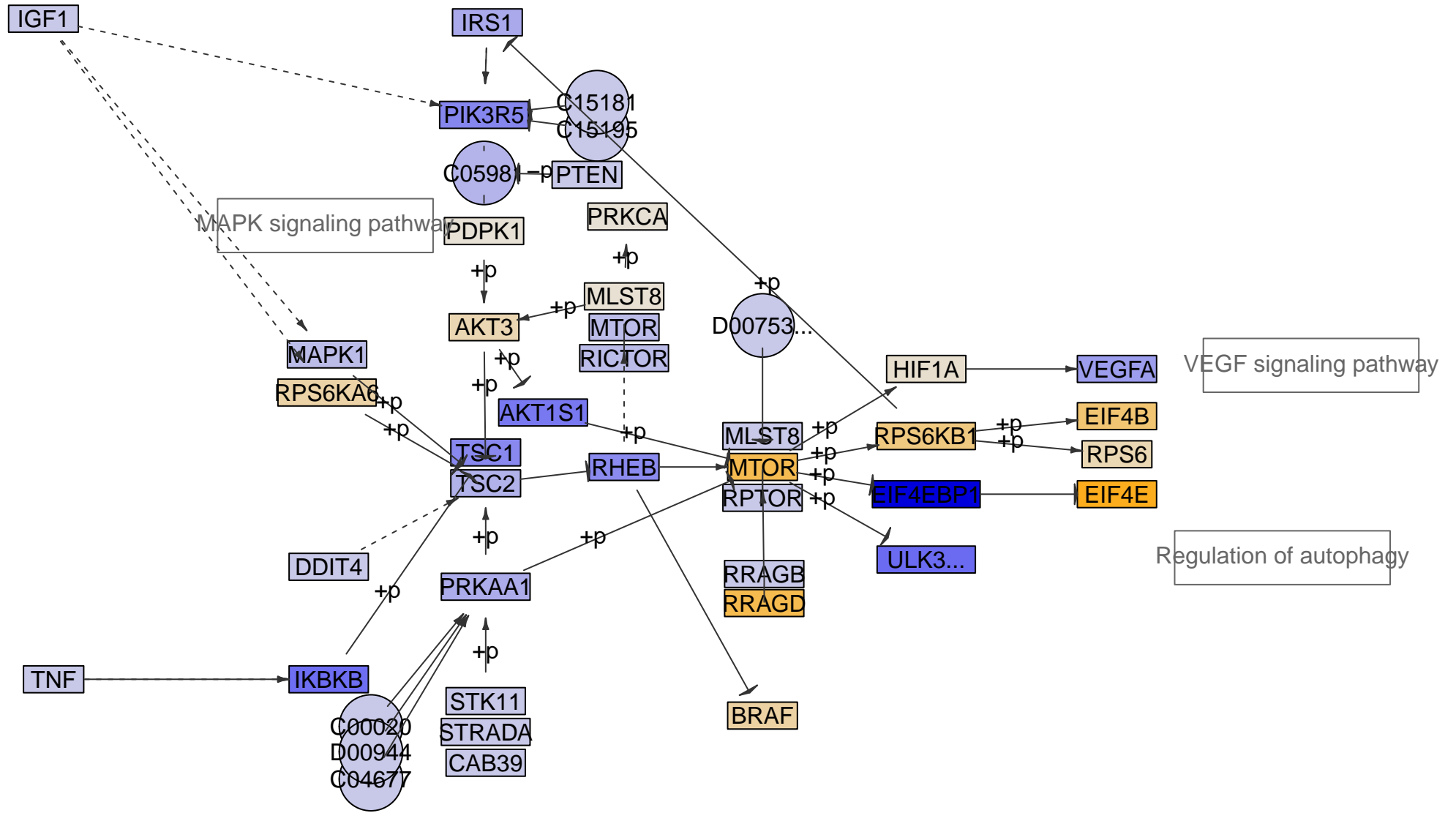
mTOR signaling pathway  
MPI-142

Insulin signaling pathway

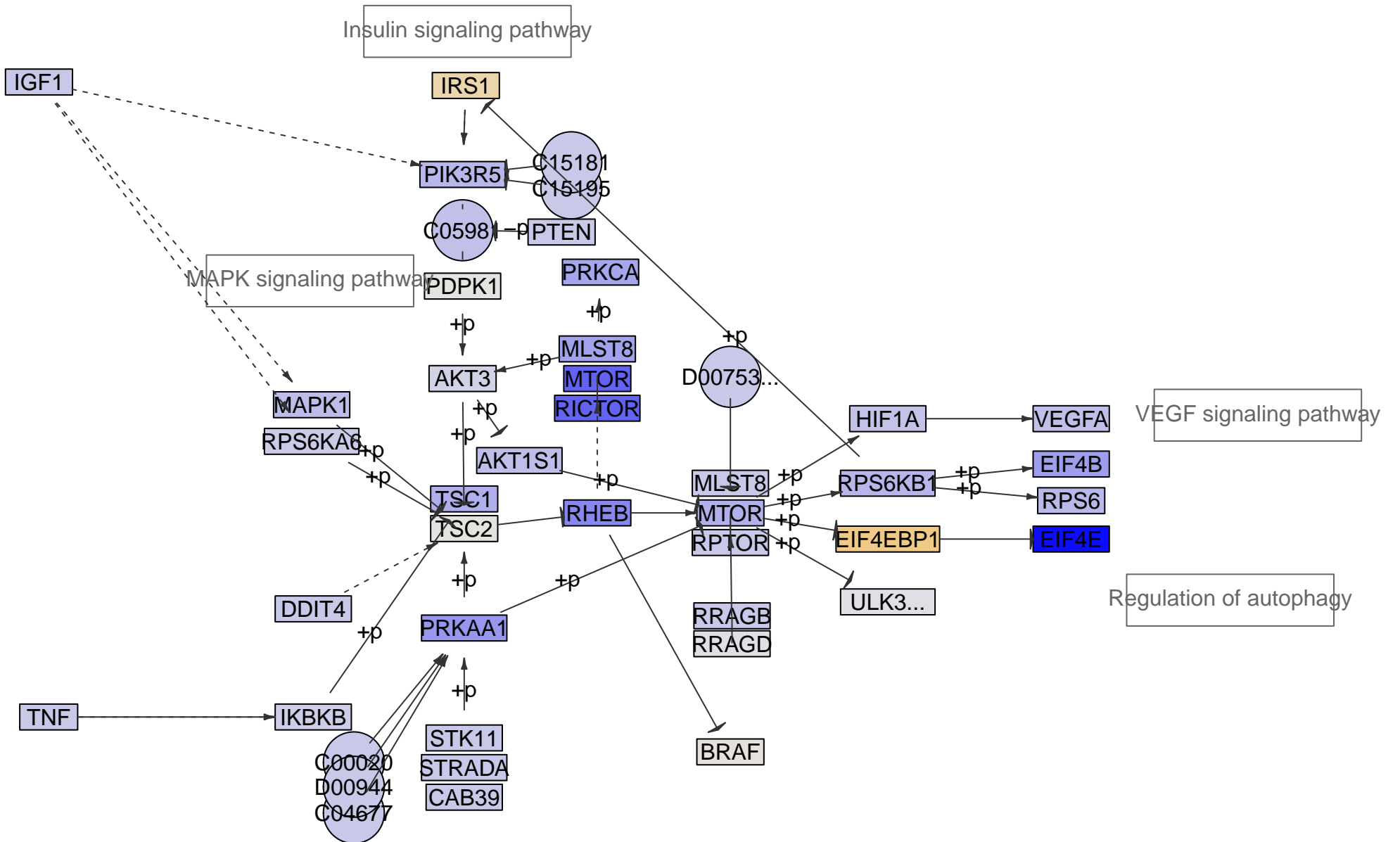
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-145



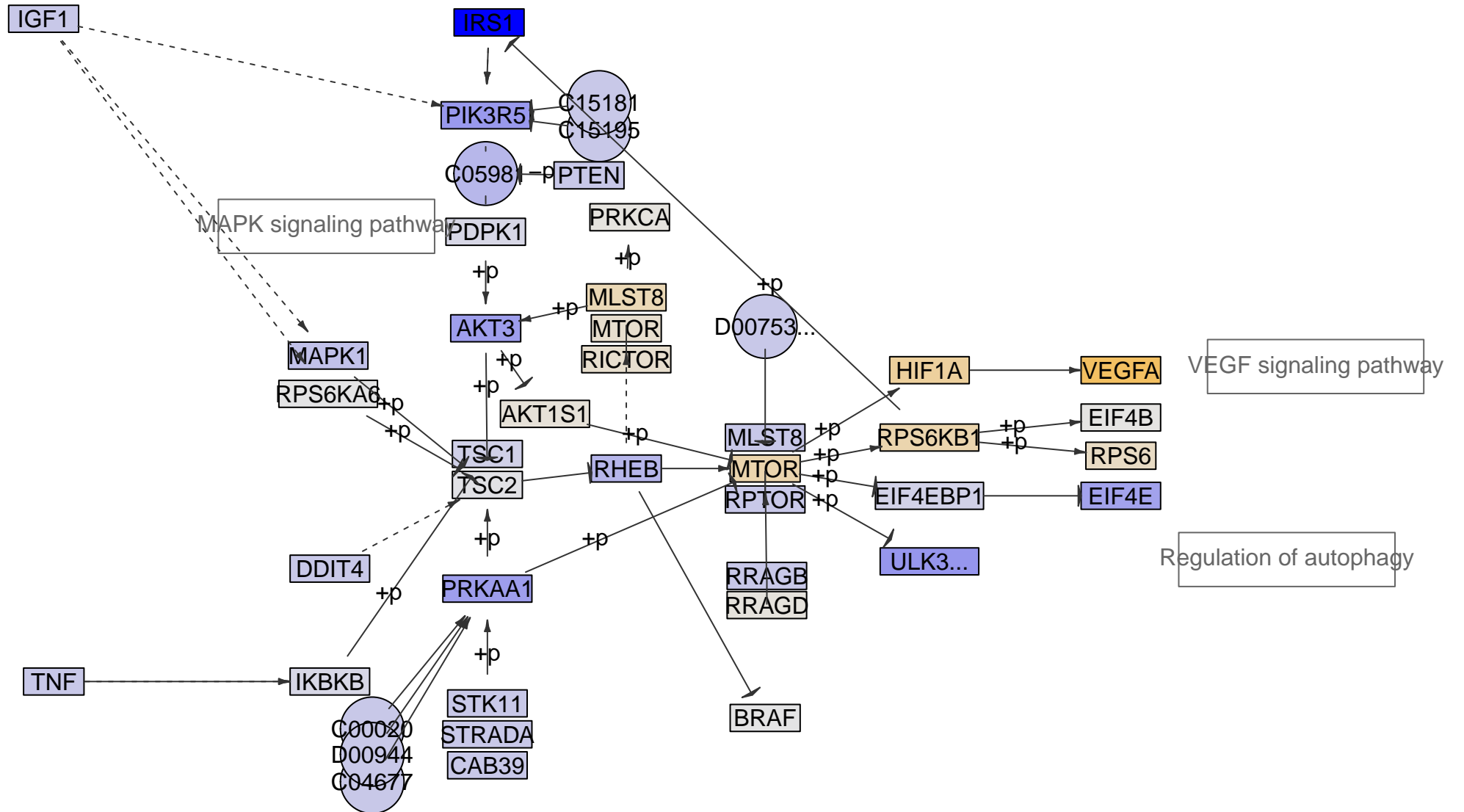
mTOR signaling pathway  
MPI-146

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



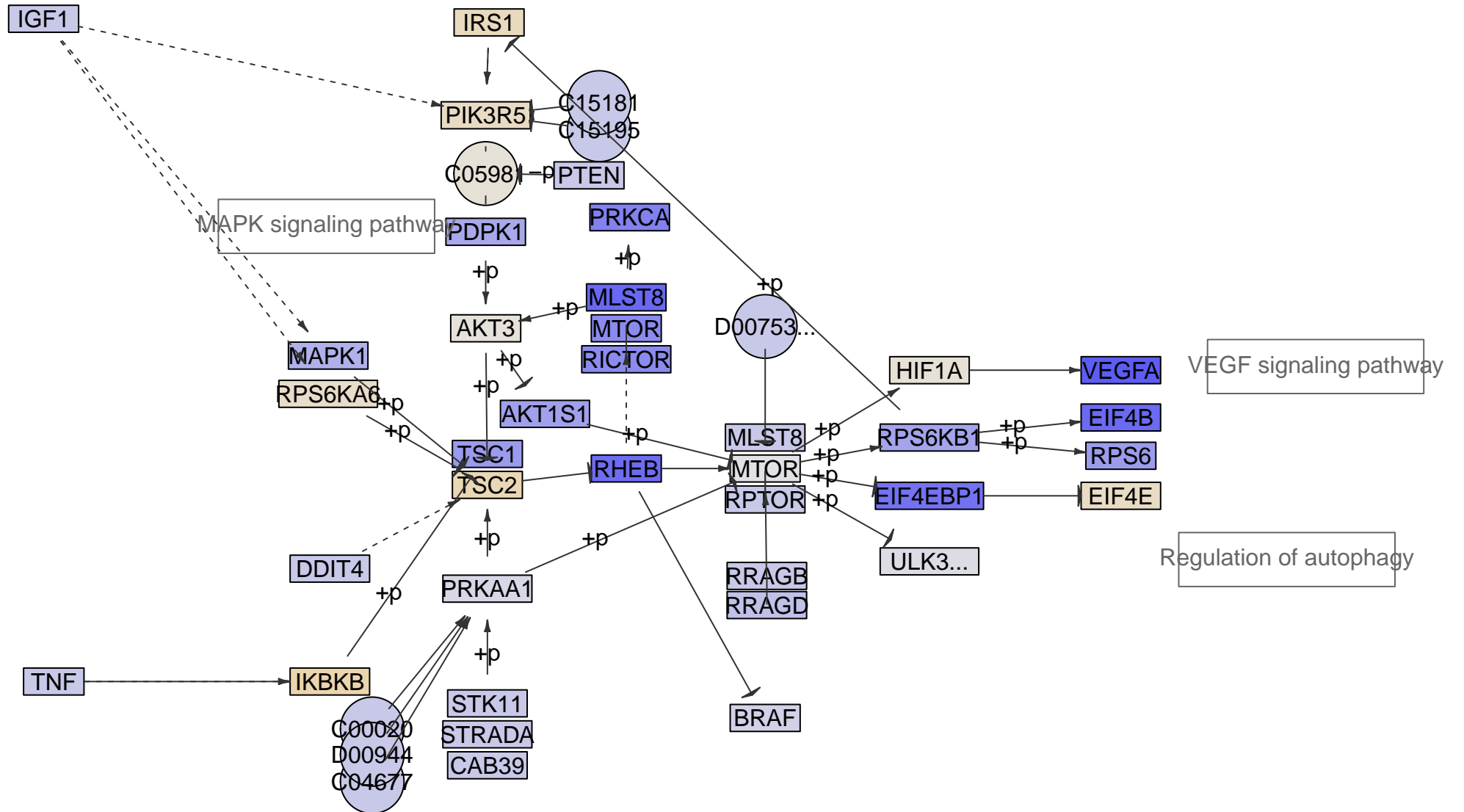
mTOR signaling pathway  
MPI-149

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



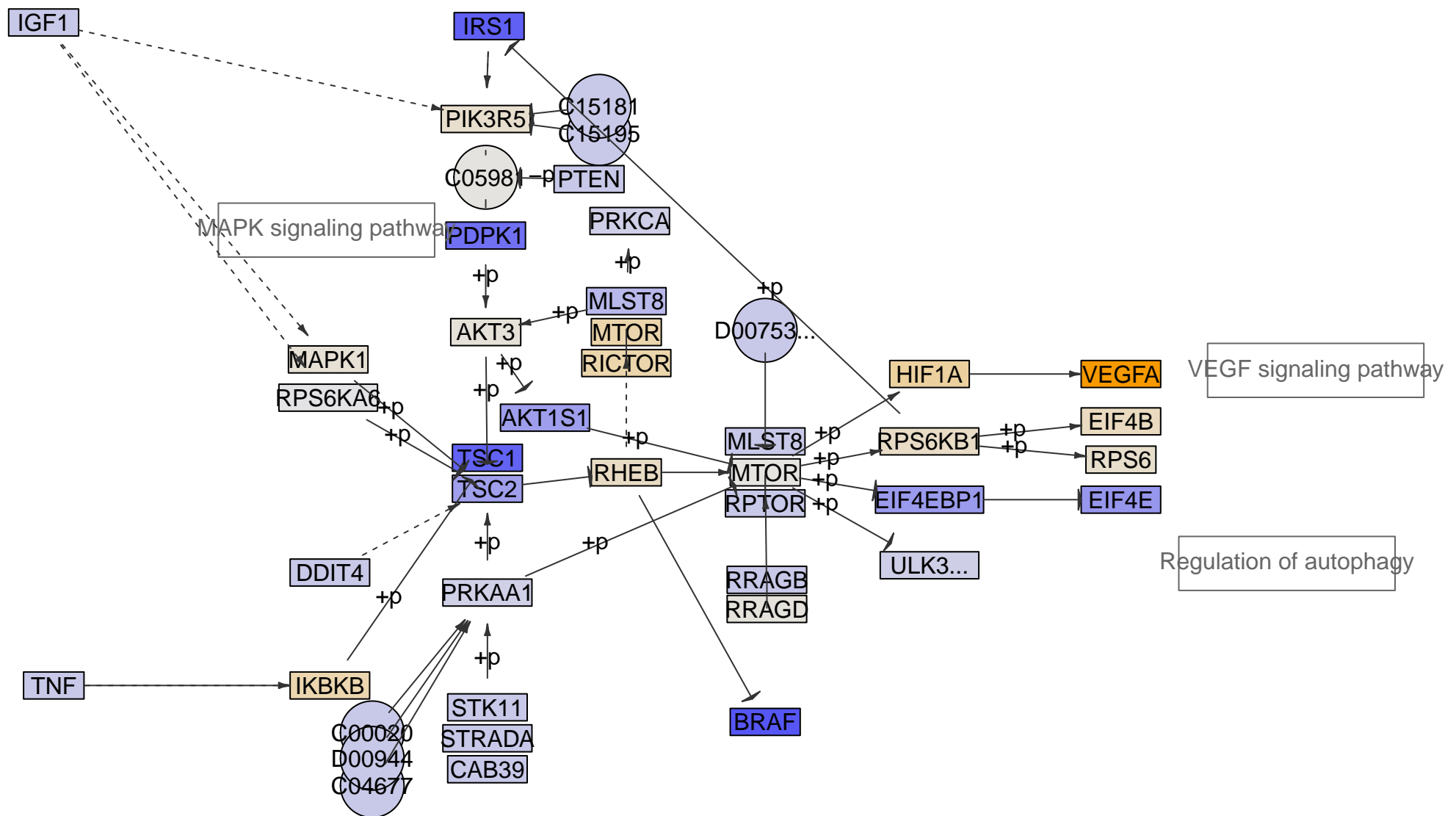
mTOR signaling pathway  
MPI-150

Insulin signaling pathway

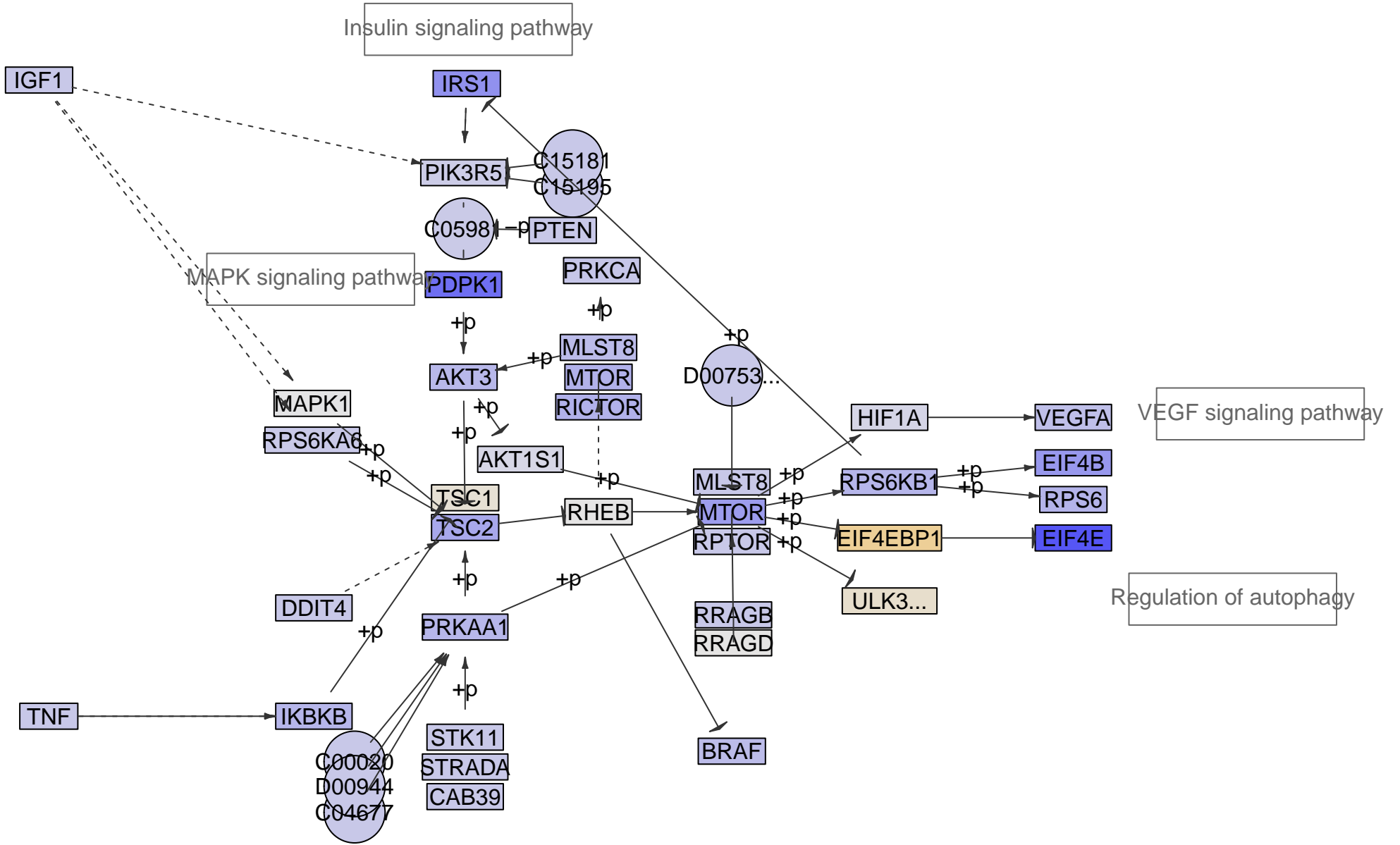
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-151





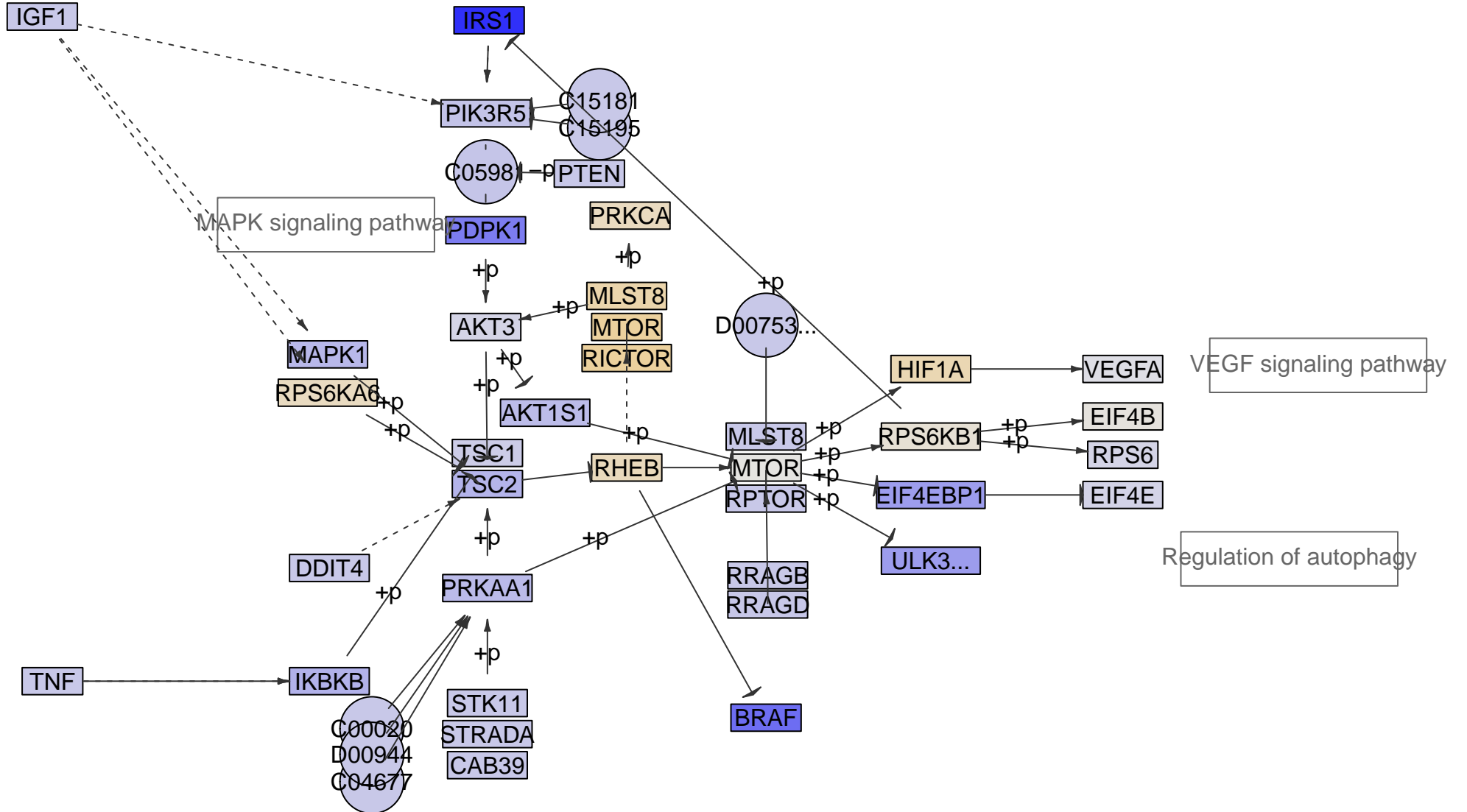
mTOR signaling pathway  
MPI-152

Insulin signaling pathway

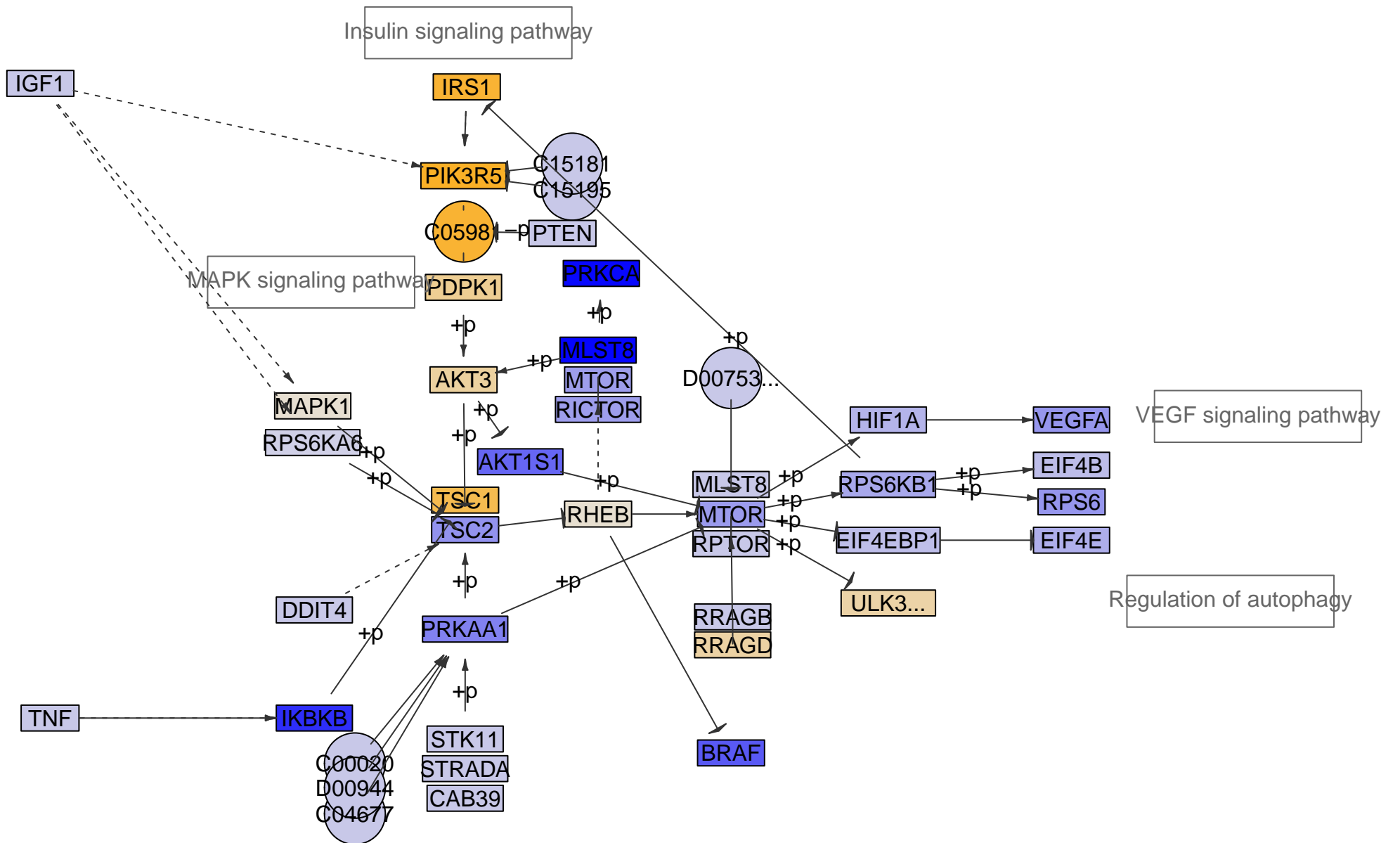
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-153



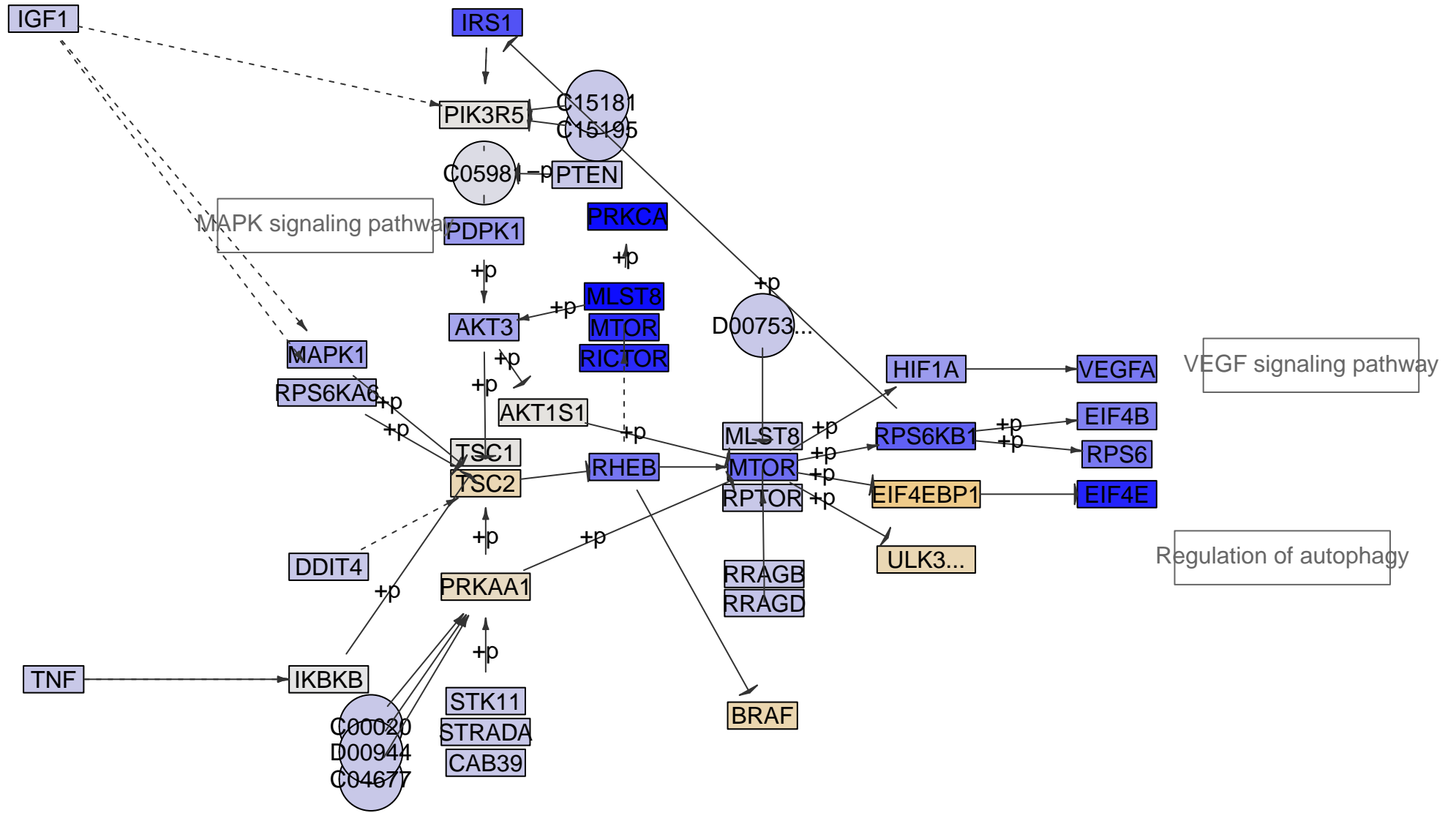
mTOR signaling pathway  
MPI-154

Insulin signaling pathway

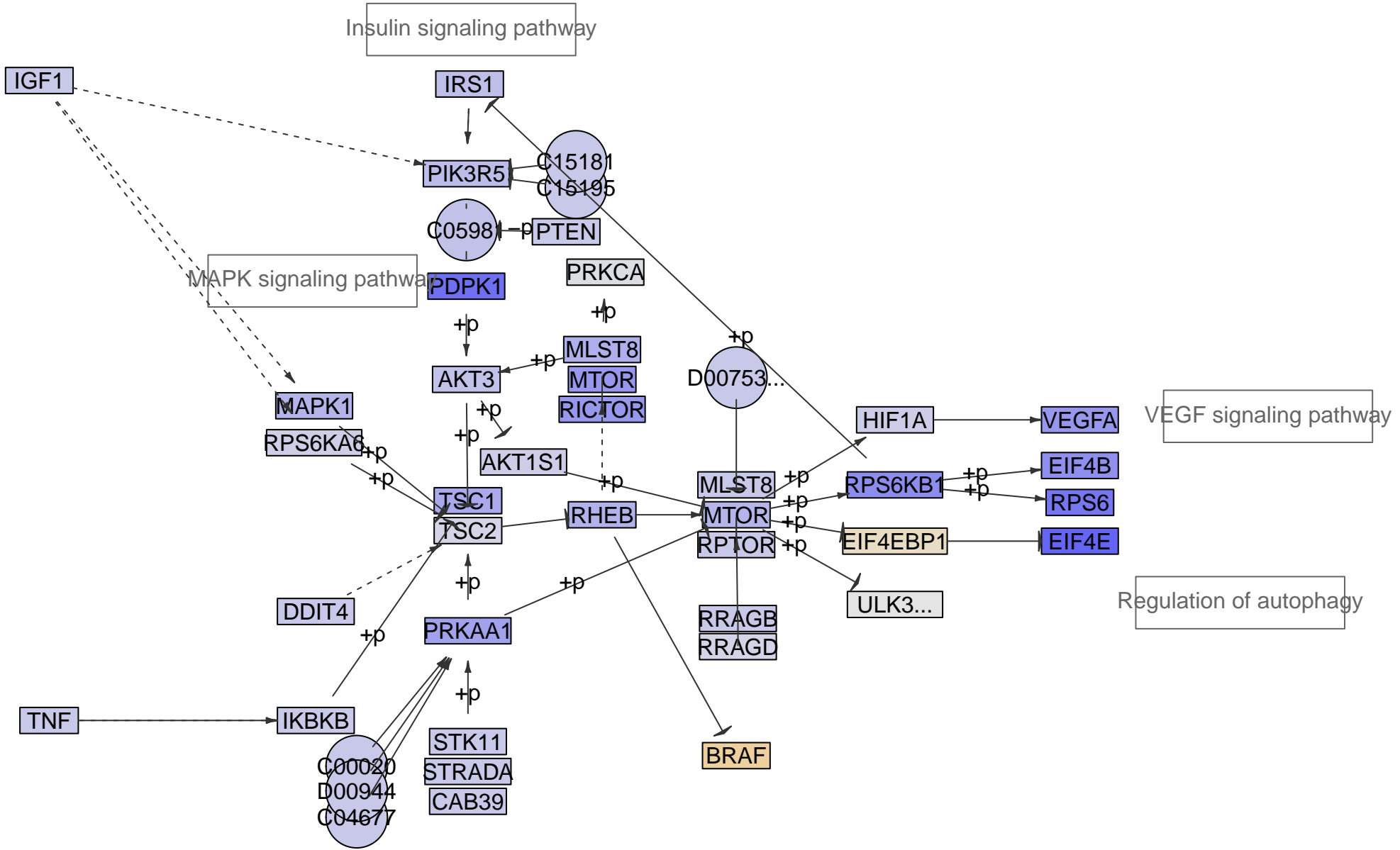
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-155



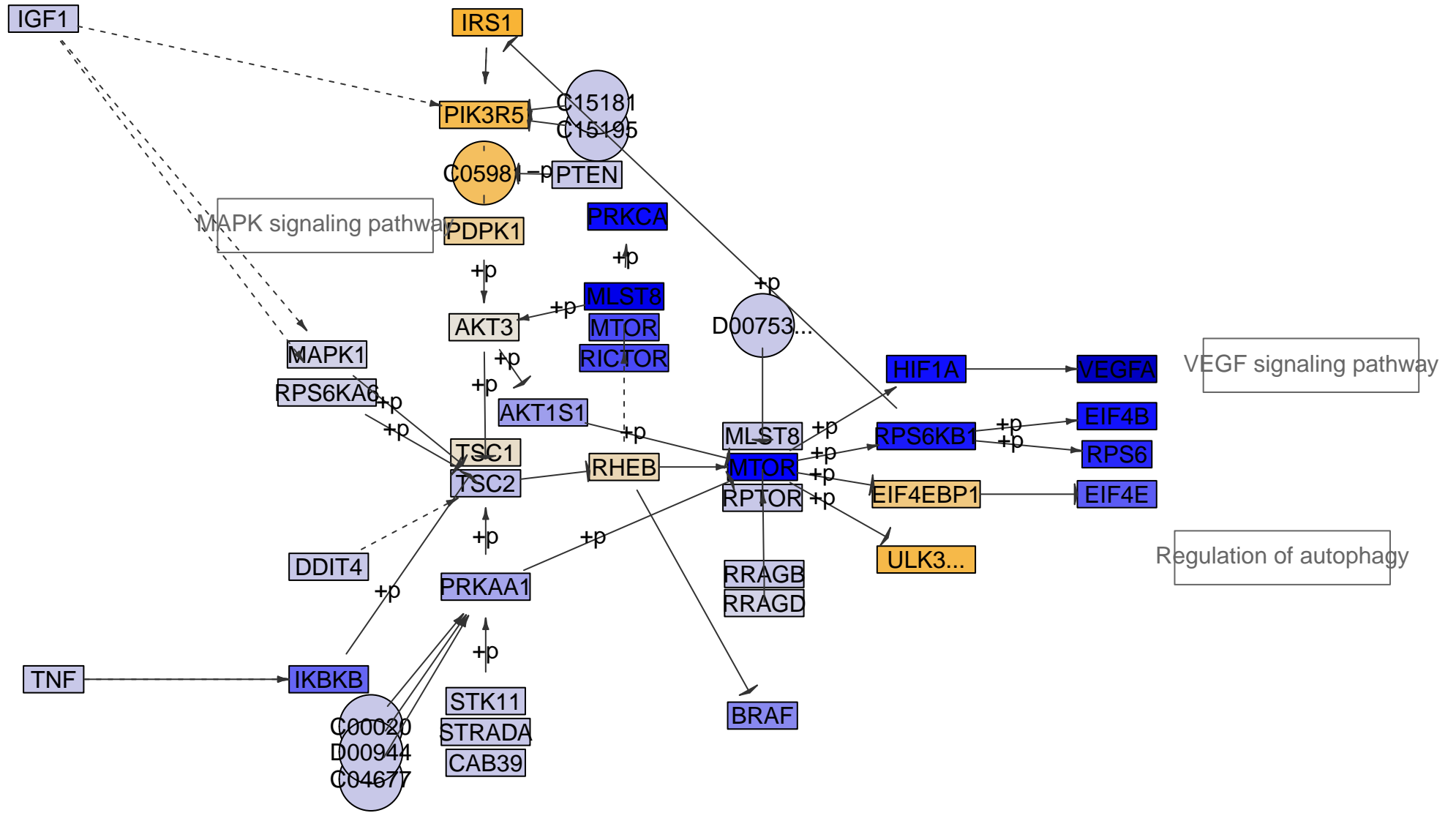
mTOR signaling pathway  
MPI-159

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



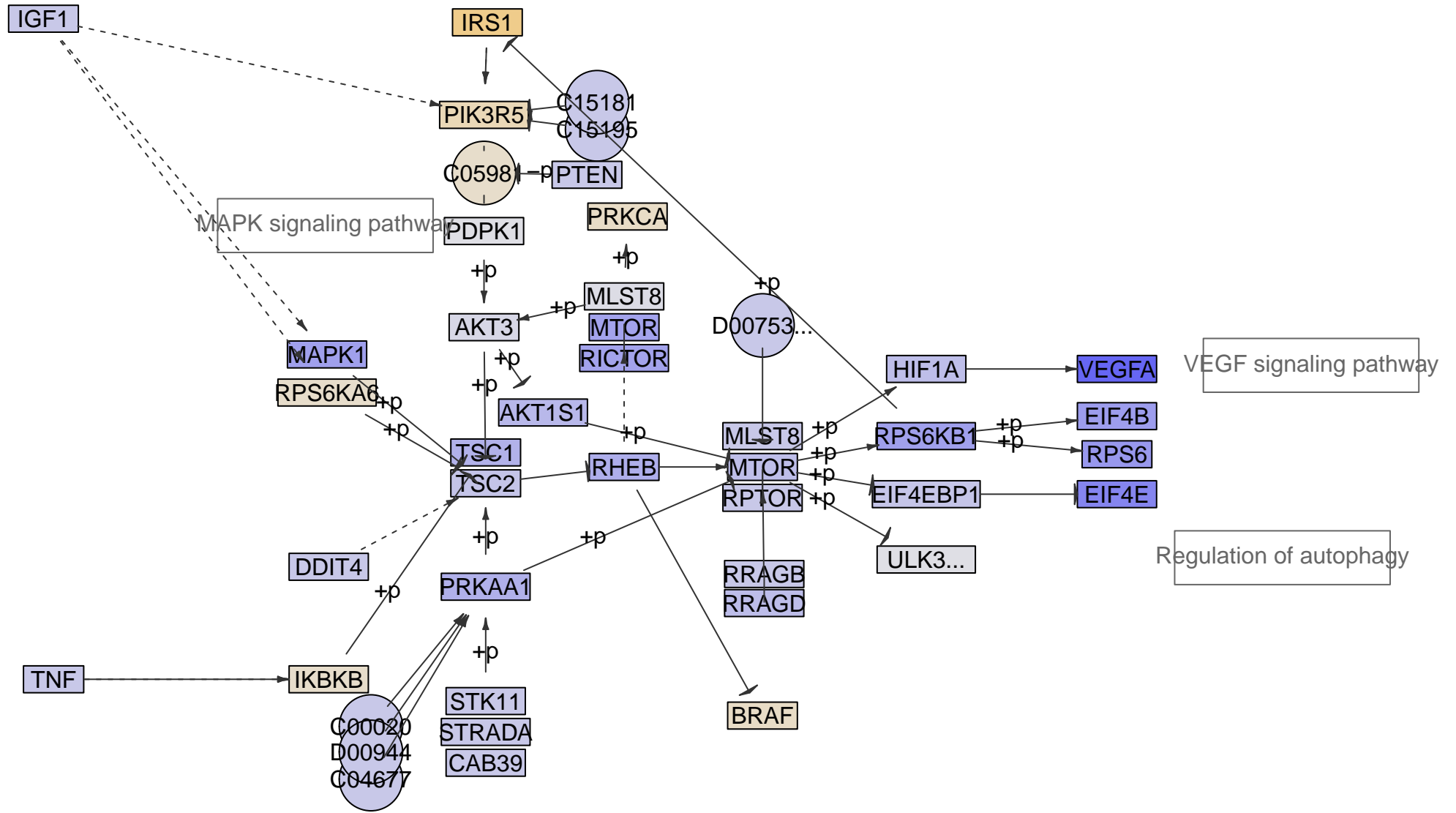
mTOR signaling pathway  
MPI-163

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



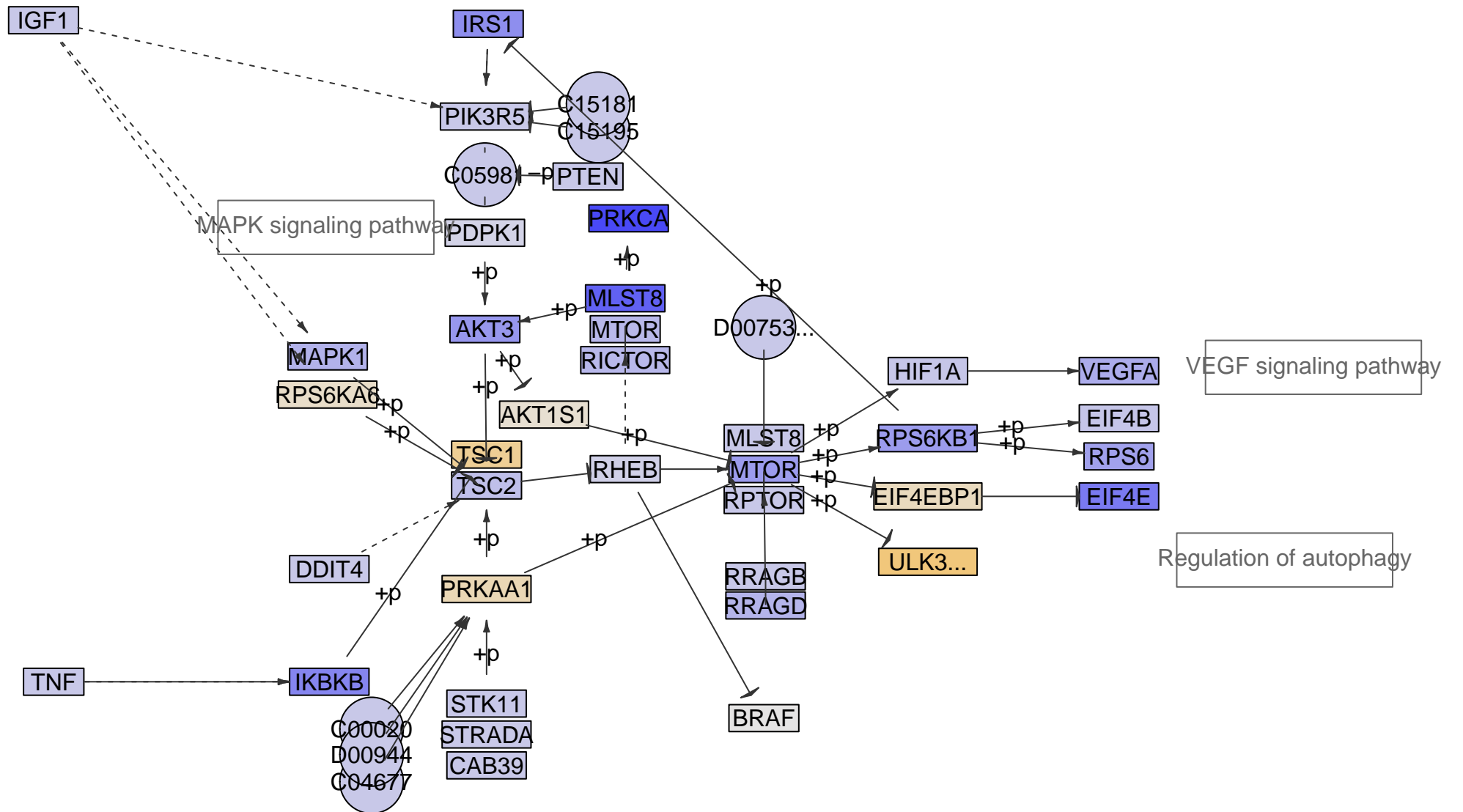
mTOR signaling pathway  
MPI-164

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



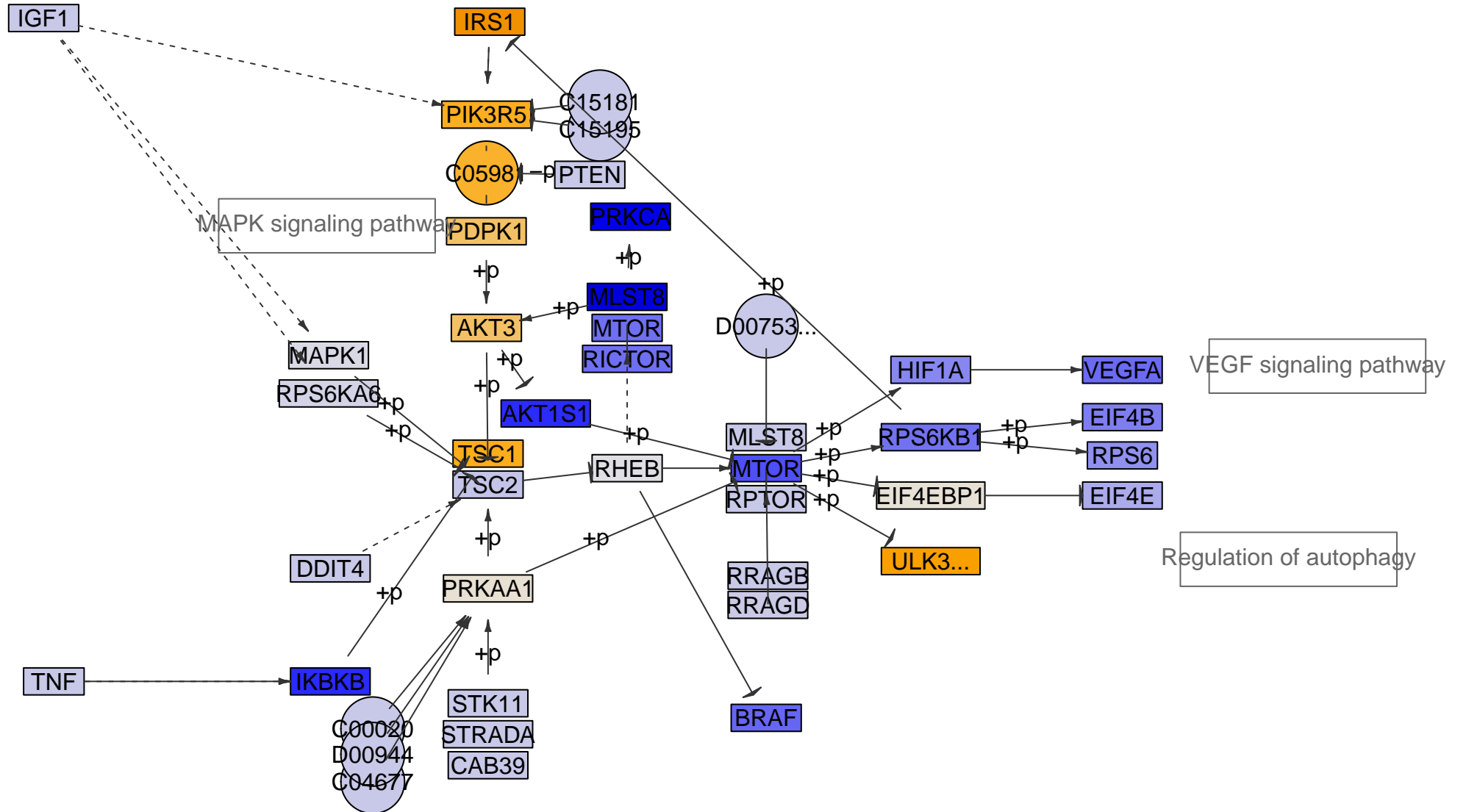
mTOR signaling pathway  
MPI-166

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy





mTOR signaling pathway  
MPI-167

Insulin signaling pathway

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

MAPK signaling pathway

MAPK1

AKT3

MLST8

MTOR

RICTOR

D00753...

HIF1A

VEGFA

VEGF signaling pathway

RPS6KA6

AKT1S1

MLST8

RPS6KB1

EIF4B

RPS6

TSC1

TSC2

RHEB

MTOR

EIF4EBP1

EIF4E

DDIT4

PRKAA1

RPTOR

ULK3...

Regulation of autophagy

RRAGB  
RRAGD

TNF

IKBKB

STK11

STRADA

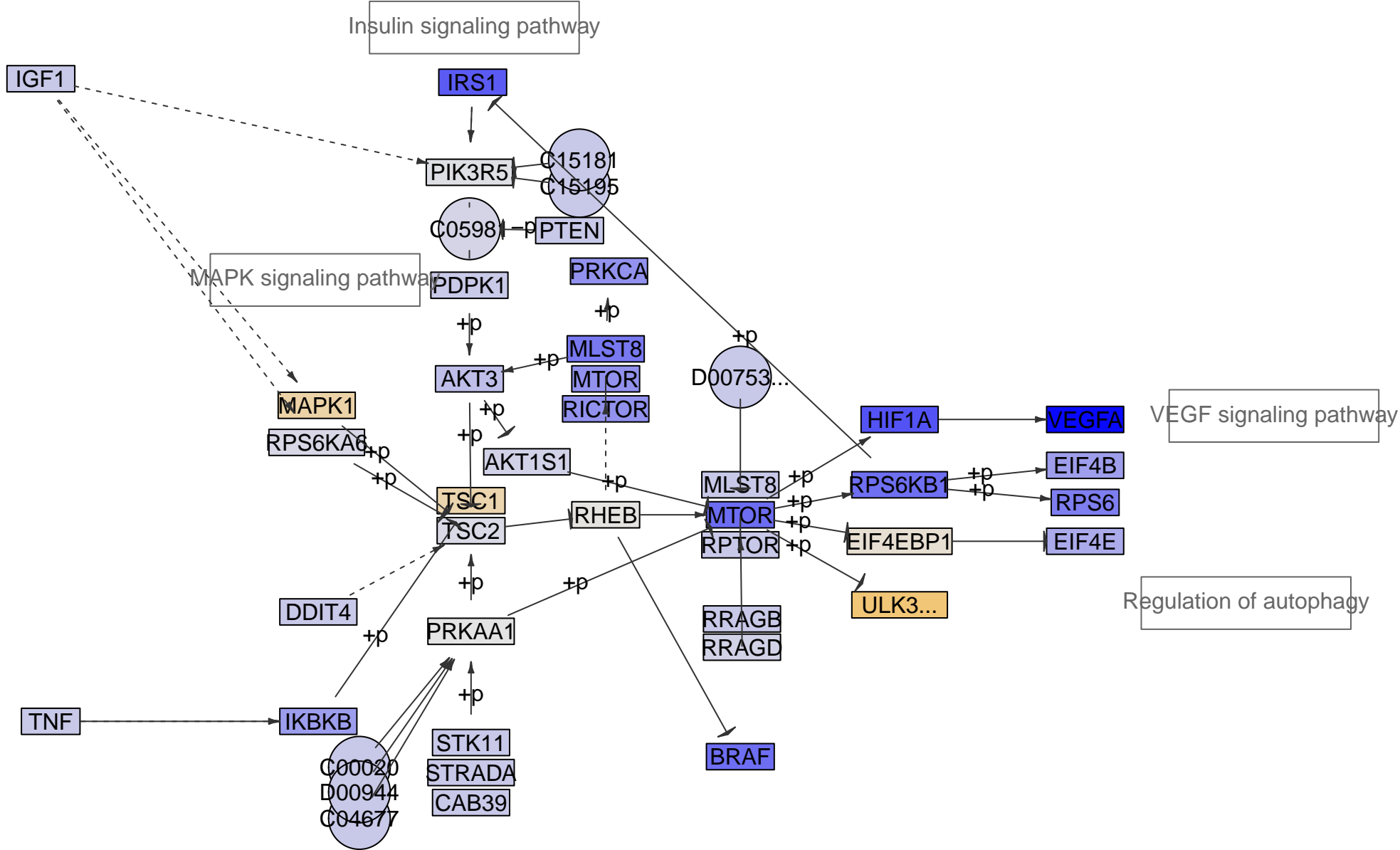
CAB39

BRAF

C00020

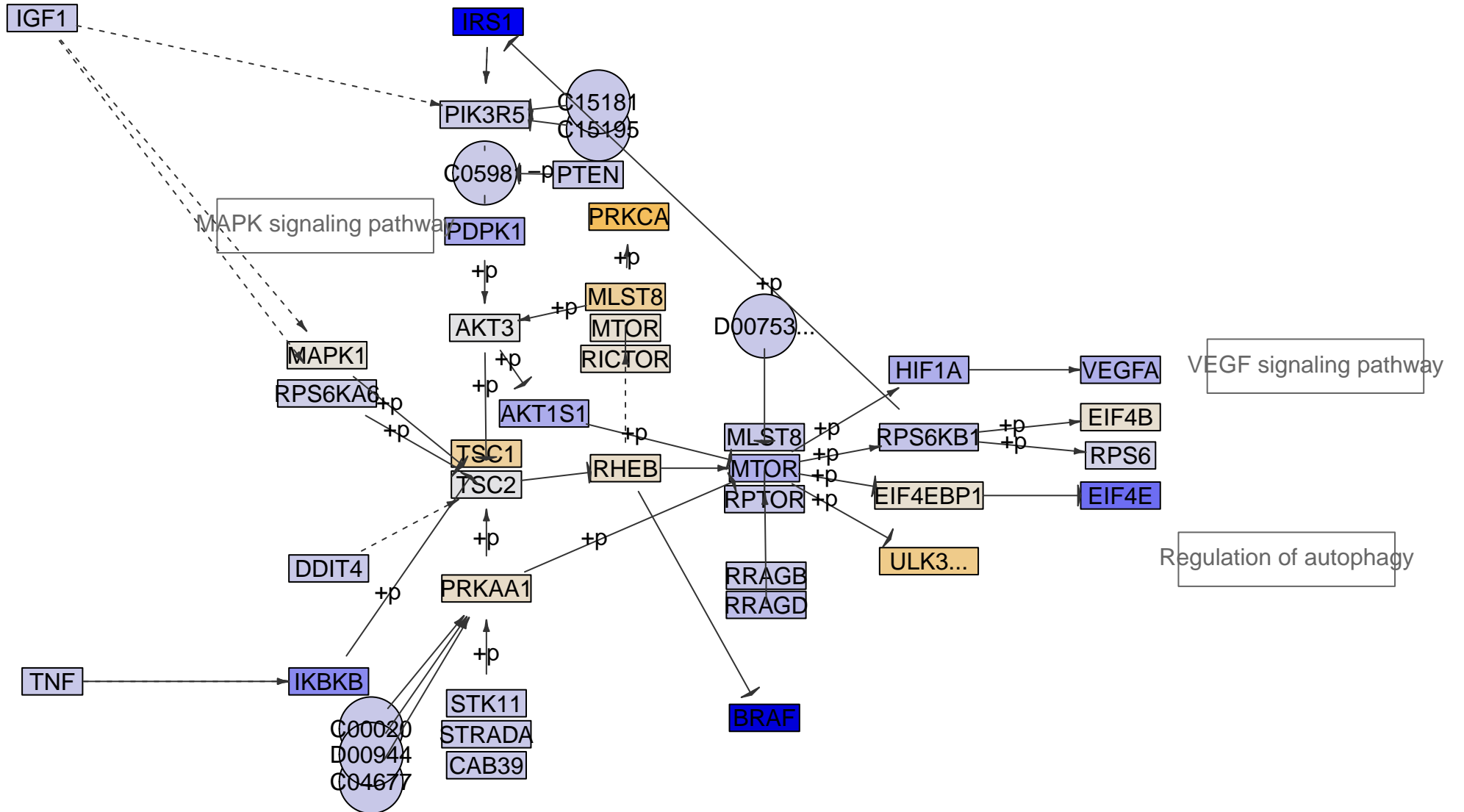
D00944

C04677



mTOR signaling pathway  
MPI-168

Insulin signaling pathway



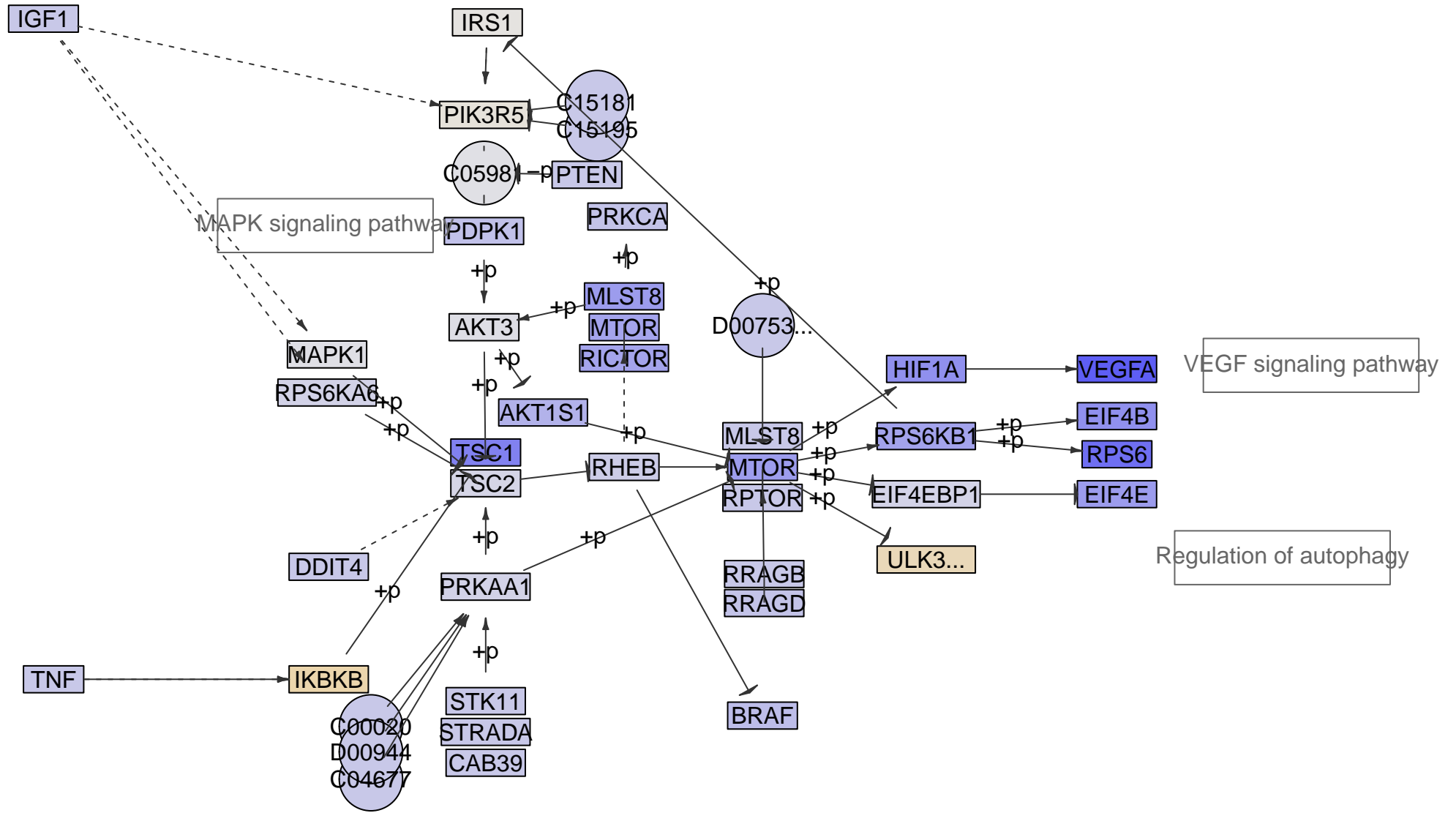
mTOR signaling pathway  
MPI-170

Insulin signaling pathway

MAPK signaling pathway

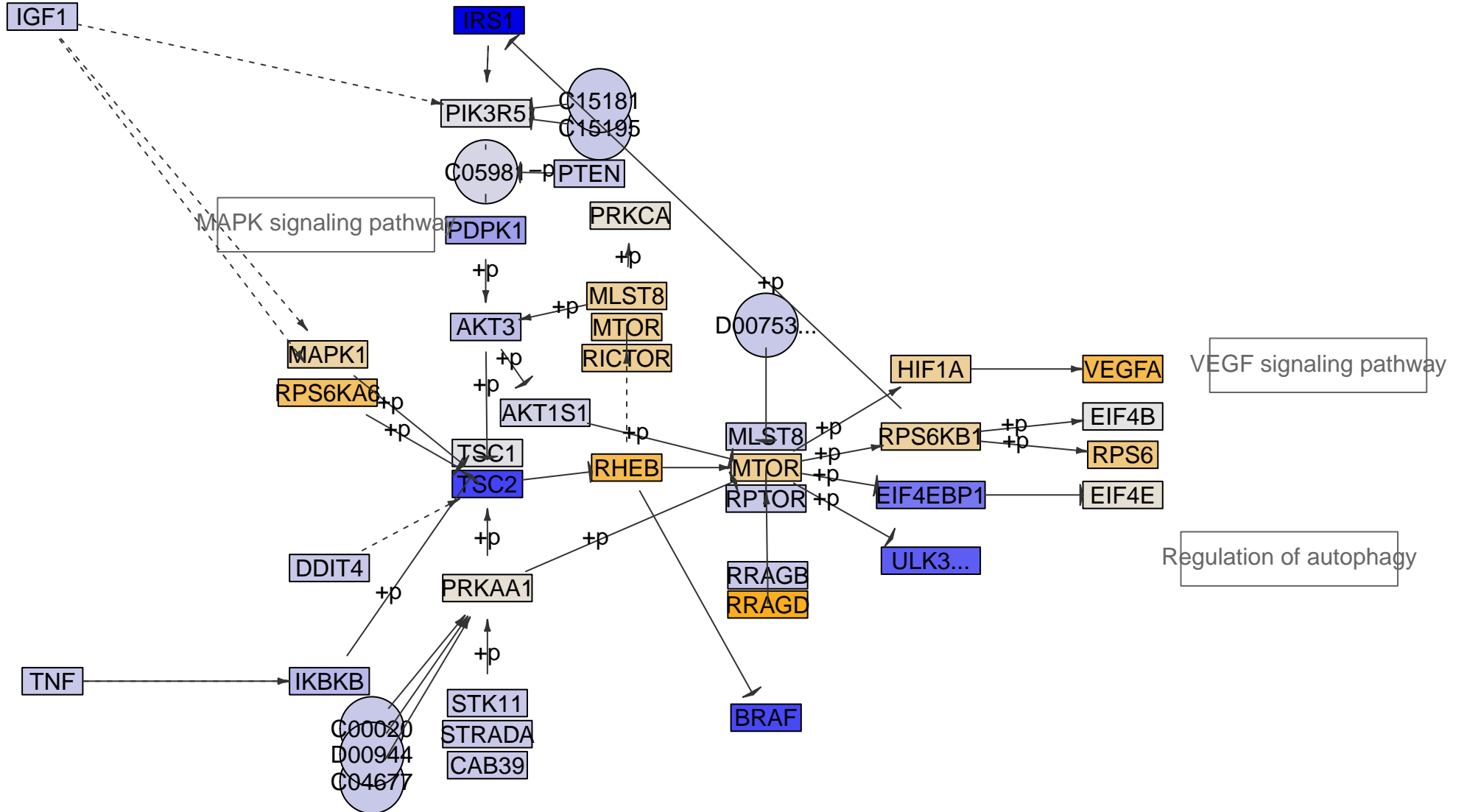
VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-173

Insulin signaling pathway



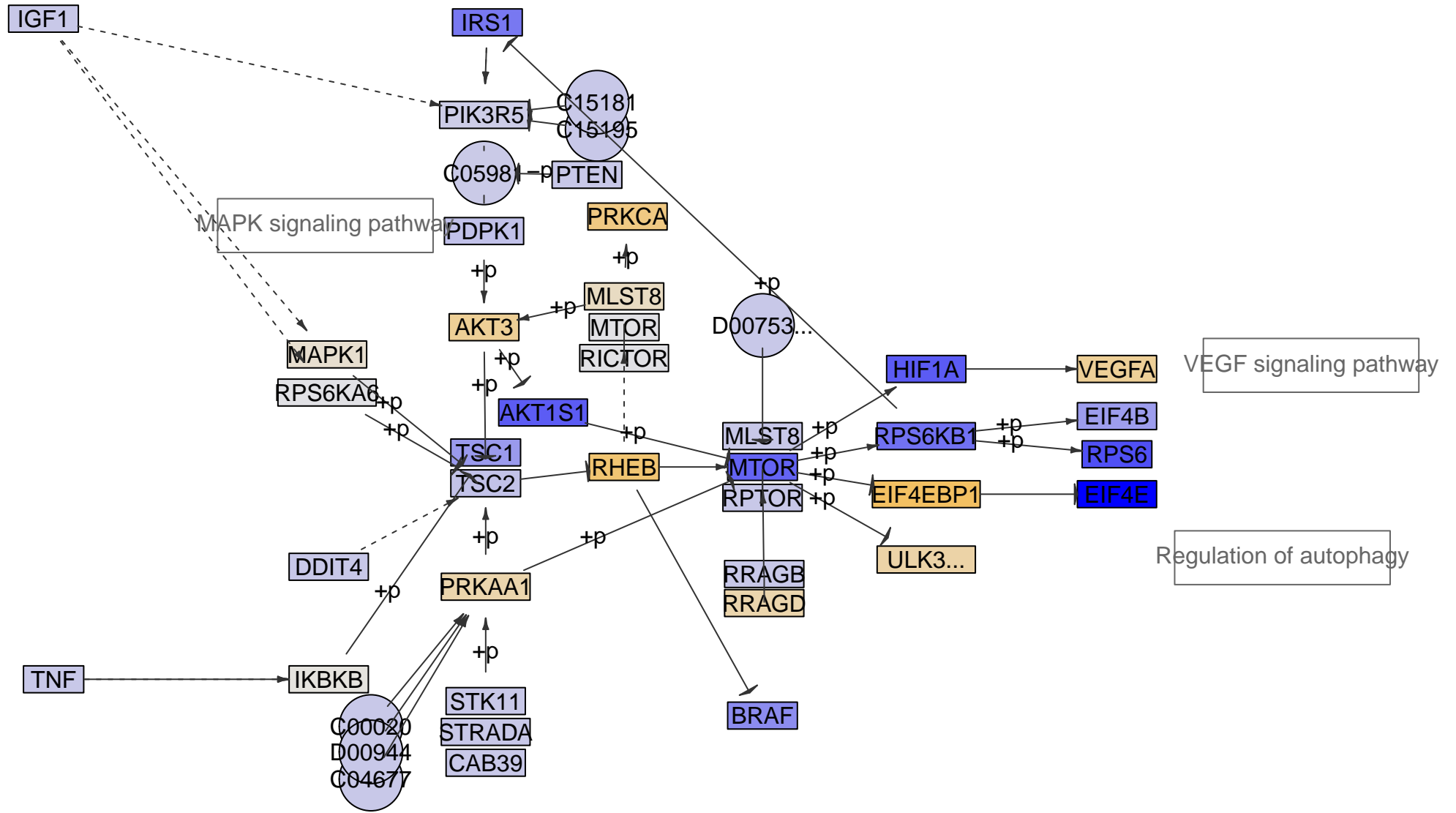
mTOR signaling pathway  
MPI-174

Insulin signaling pathway

MAPK signaling pathway

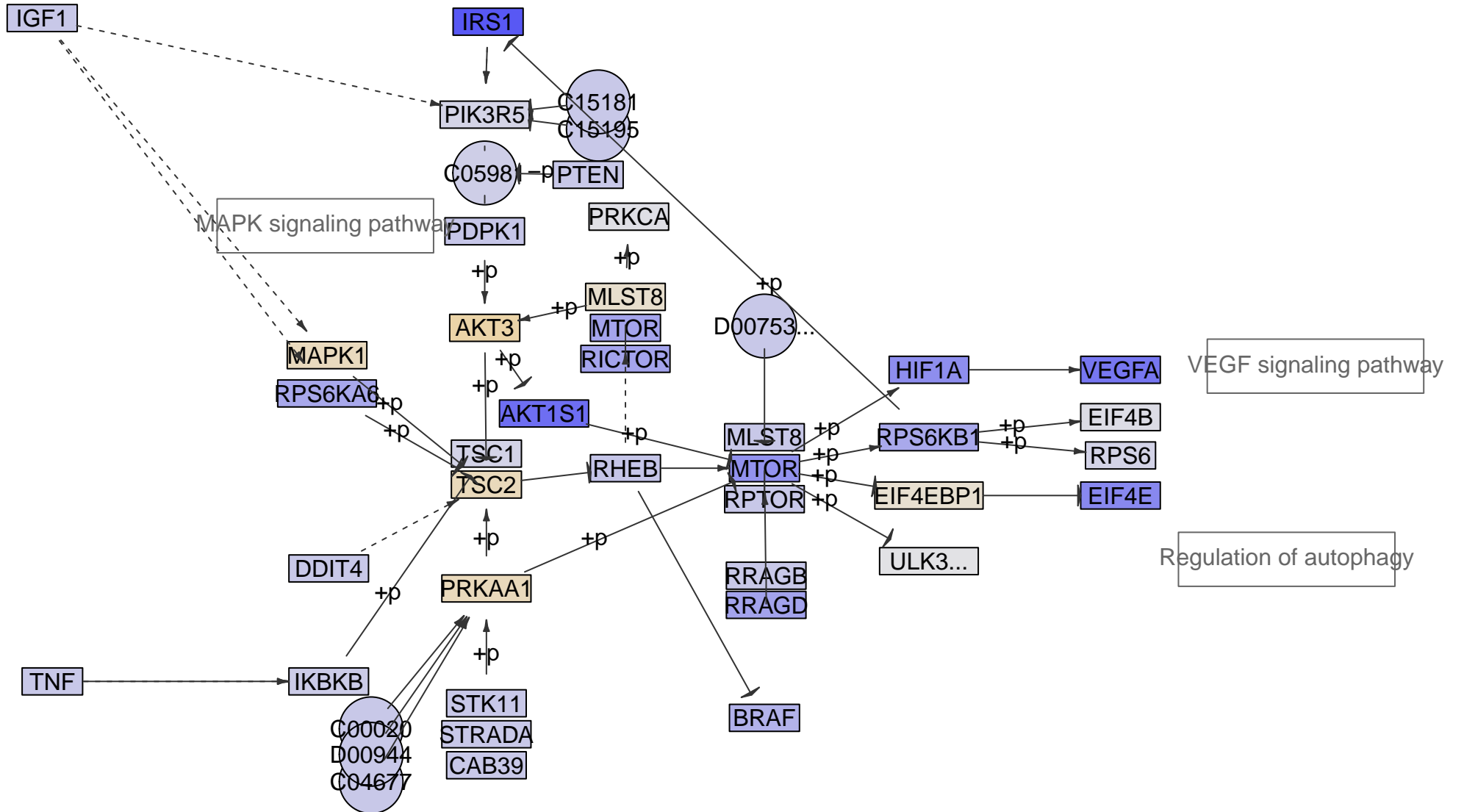
VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-176

Insulin signaling pathway



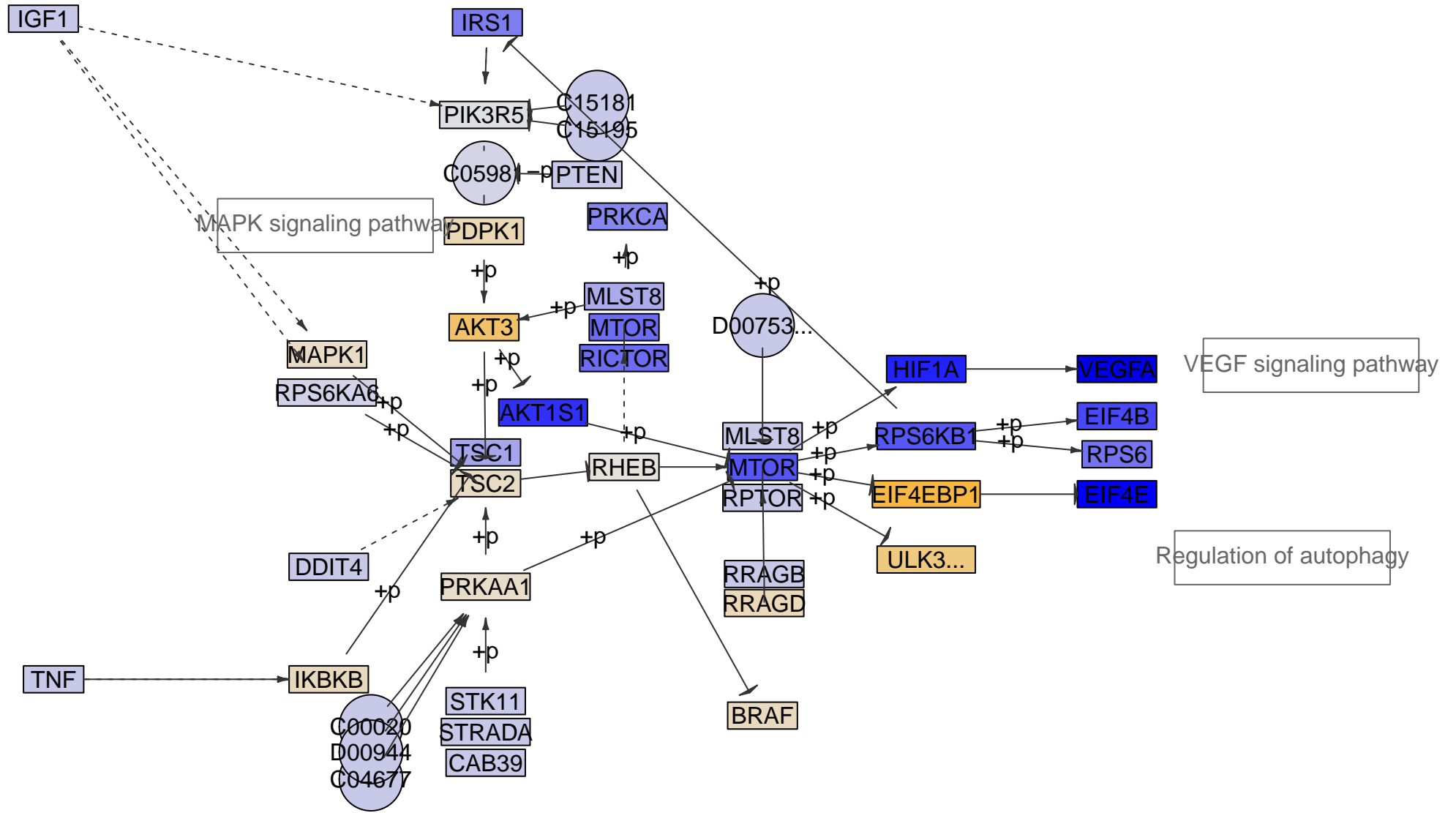
mTOR signaling pathway  
MPI-177

Insulin signaling pathway

MAPK signaling pathway

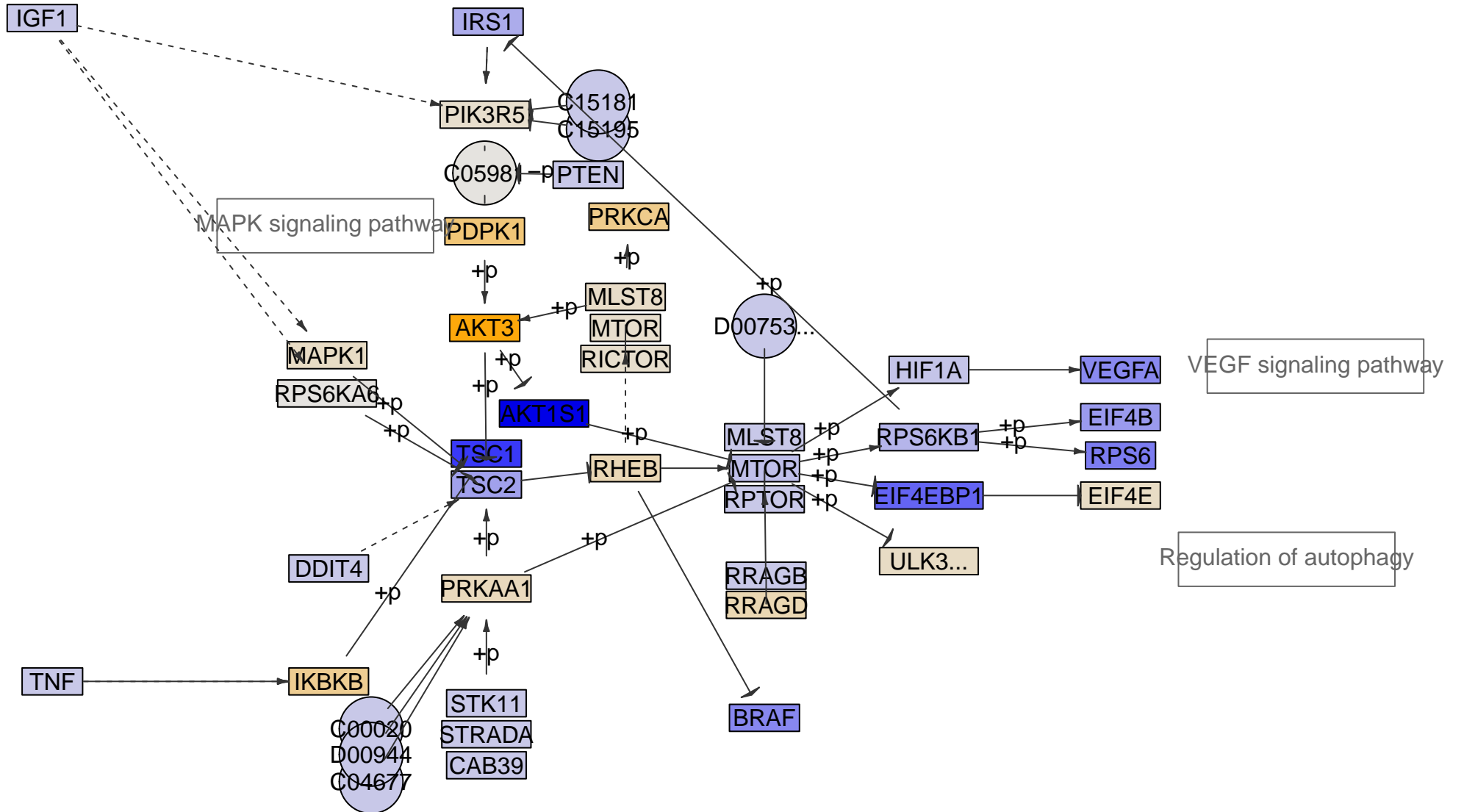
VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-178

Insulin signaling pathway





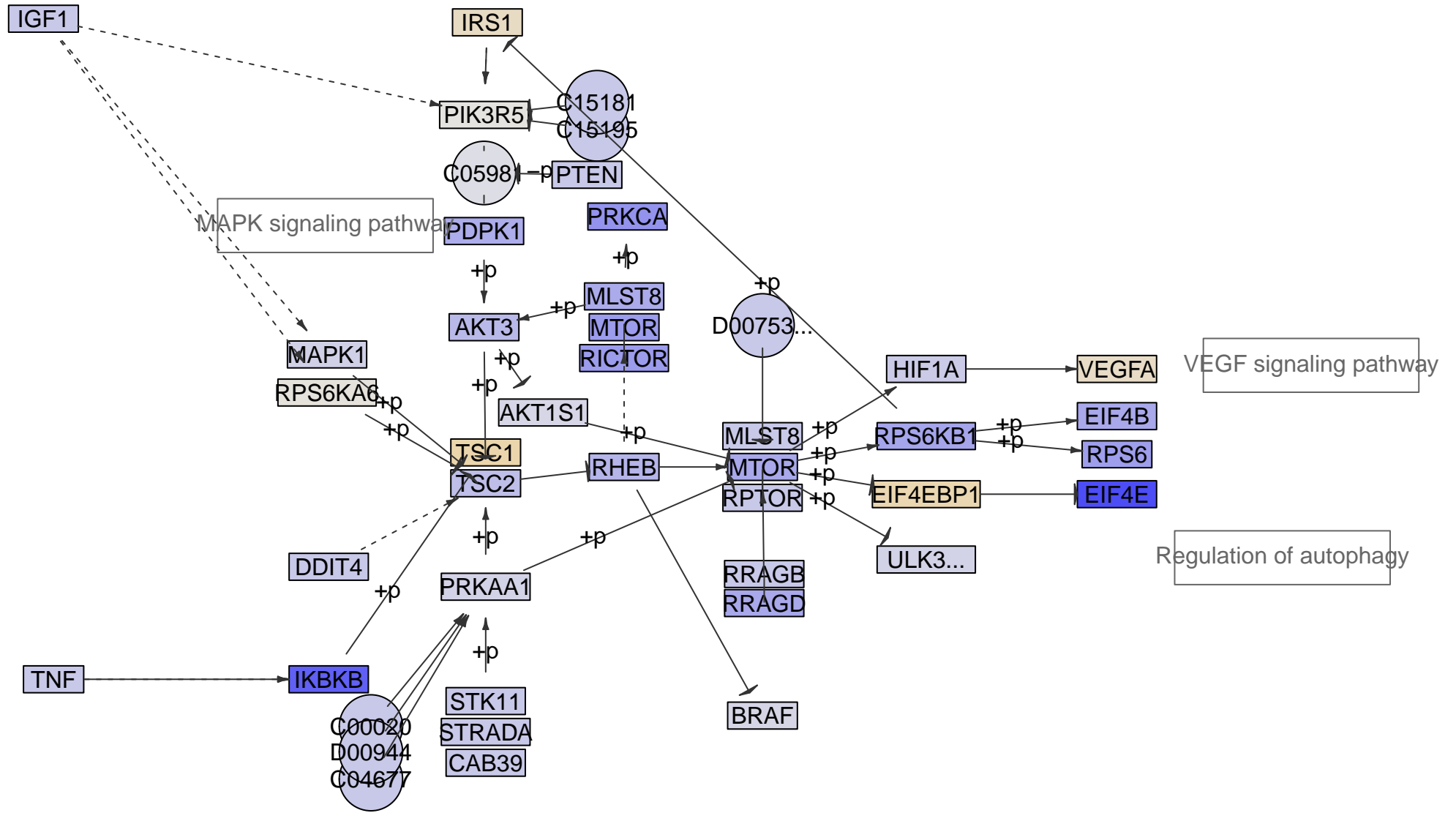
mTOR signaling pathway  
MPI-179

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



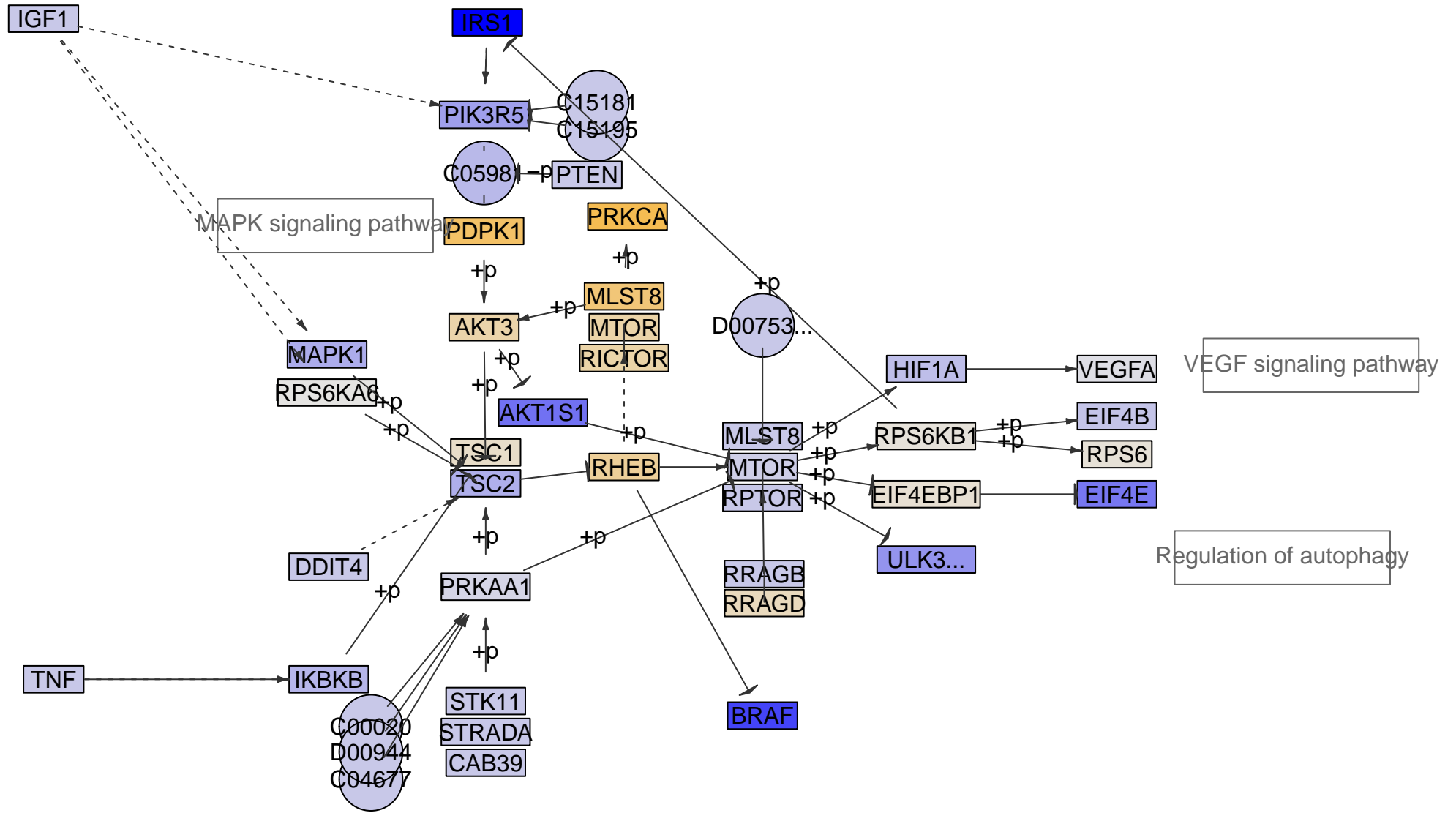
mTOR signaling pathway  
MPI-180

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



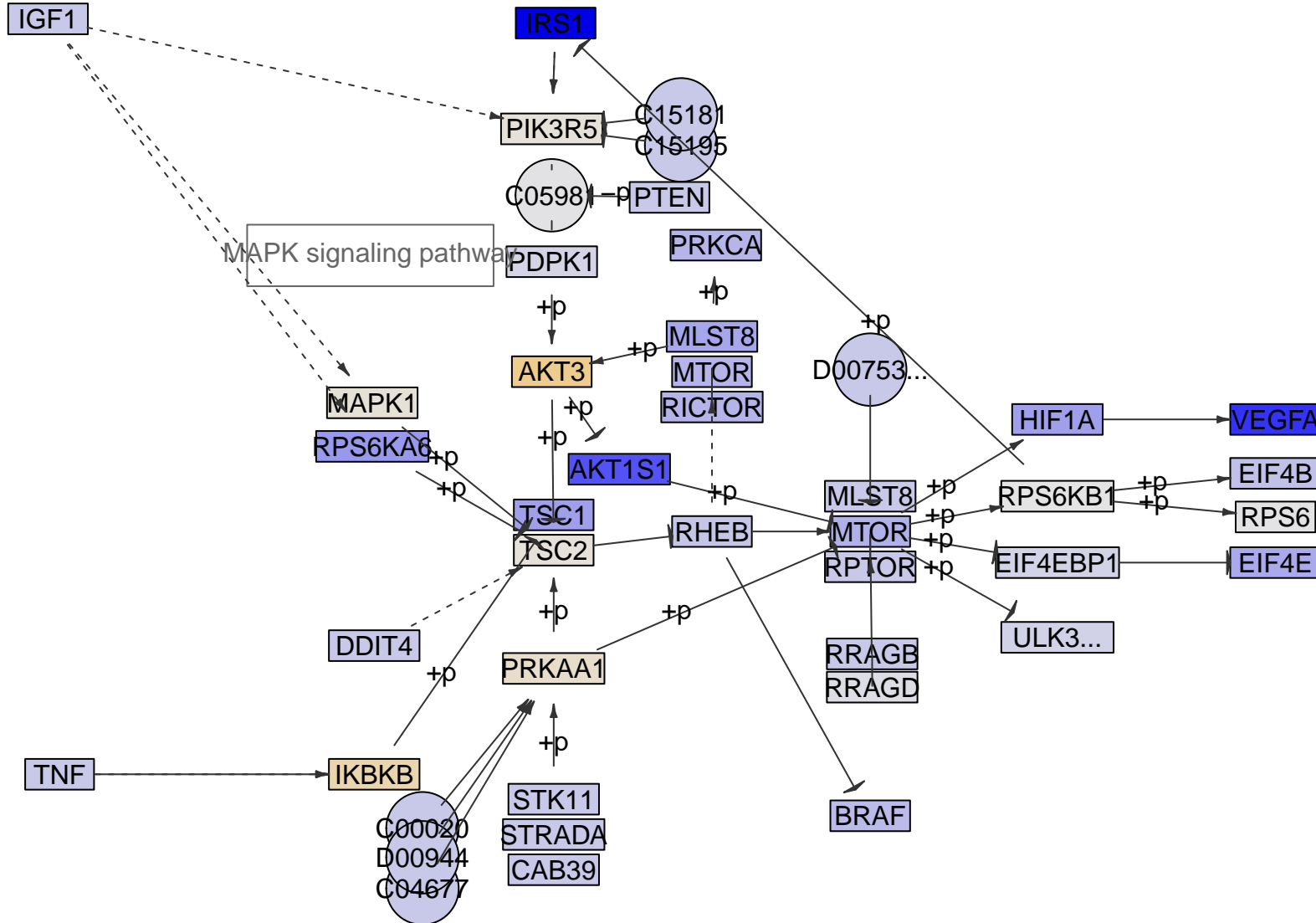
mTOR signaling pathway  
MPI-182

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



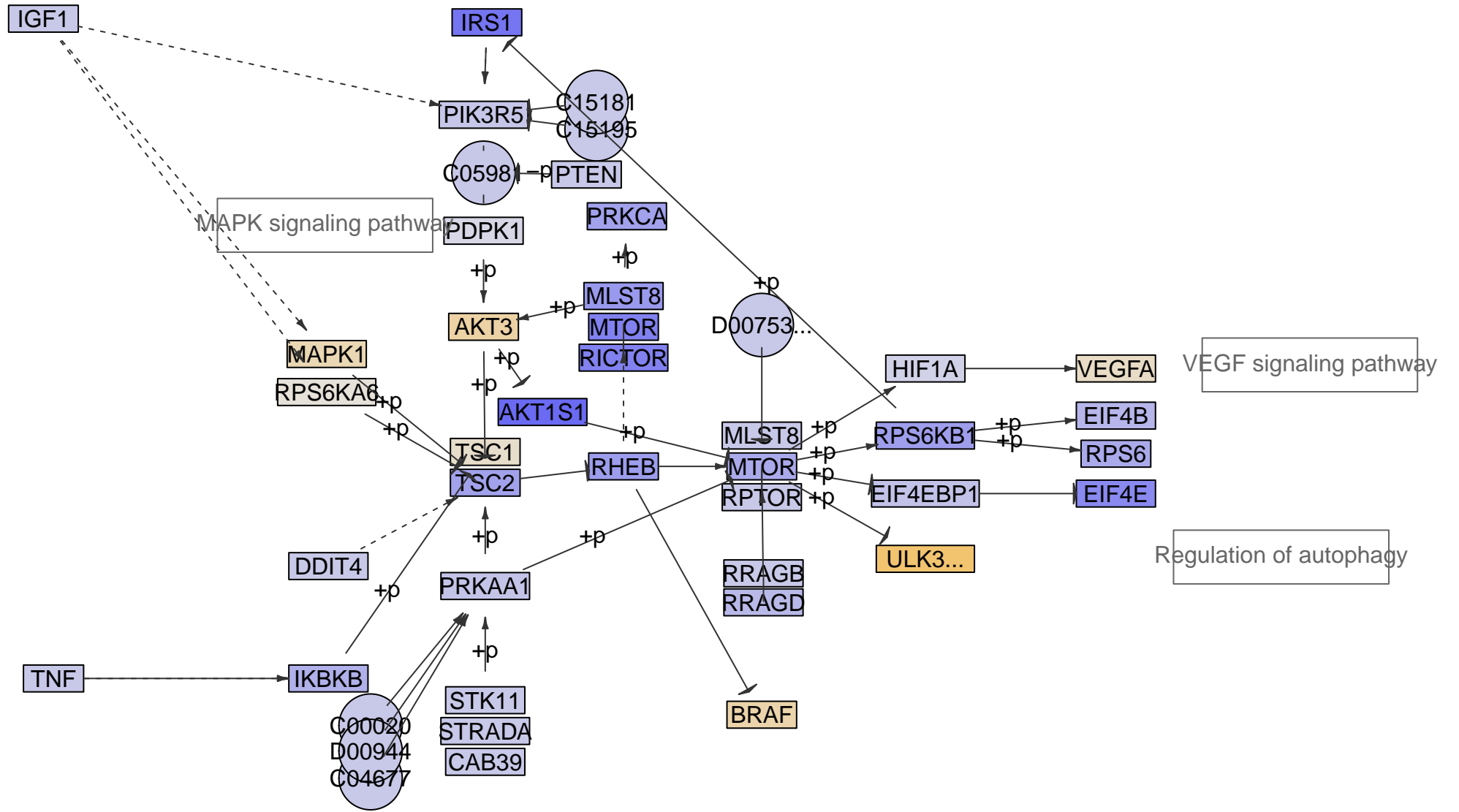
mTOR signaling pathway  
MPI-183

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



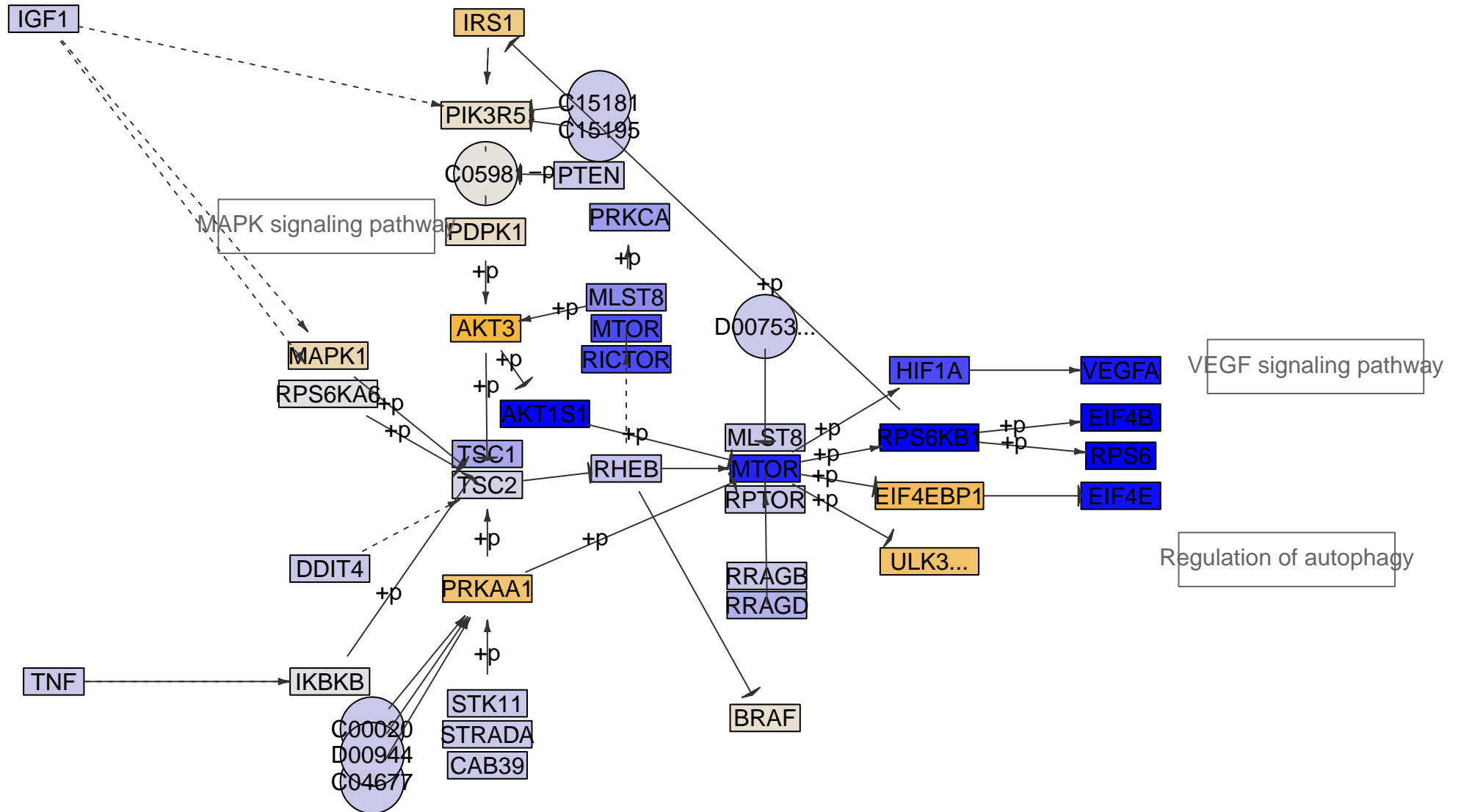
mTOR signaling pathway  
MPI-184

Insulin signaling pathway

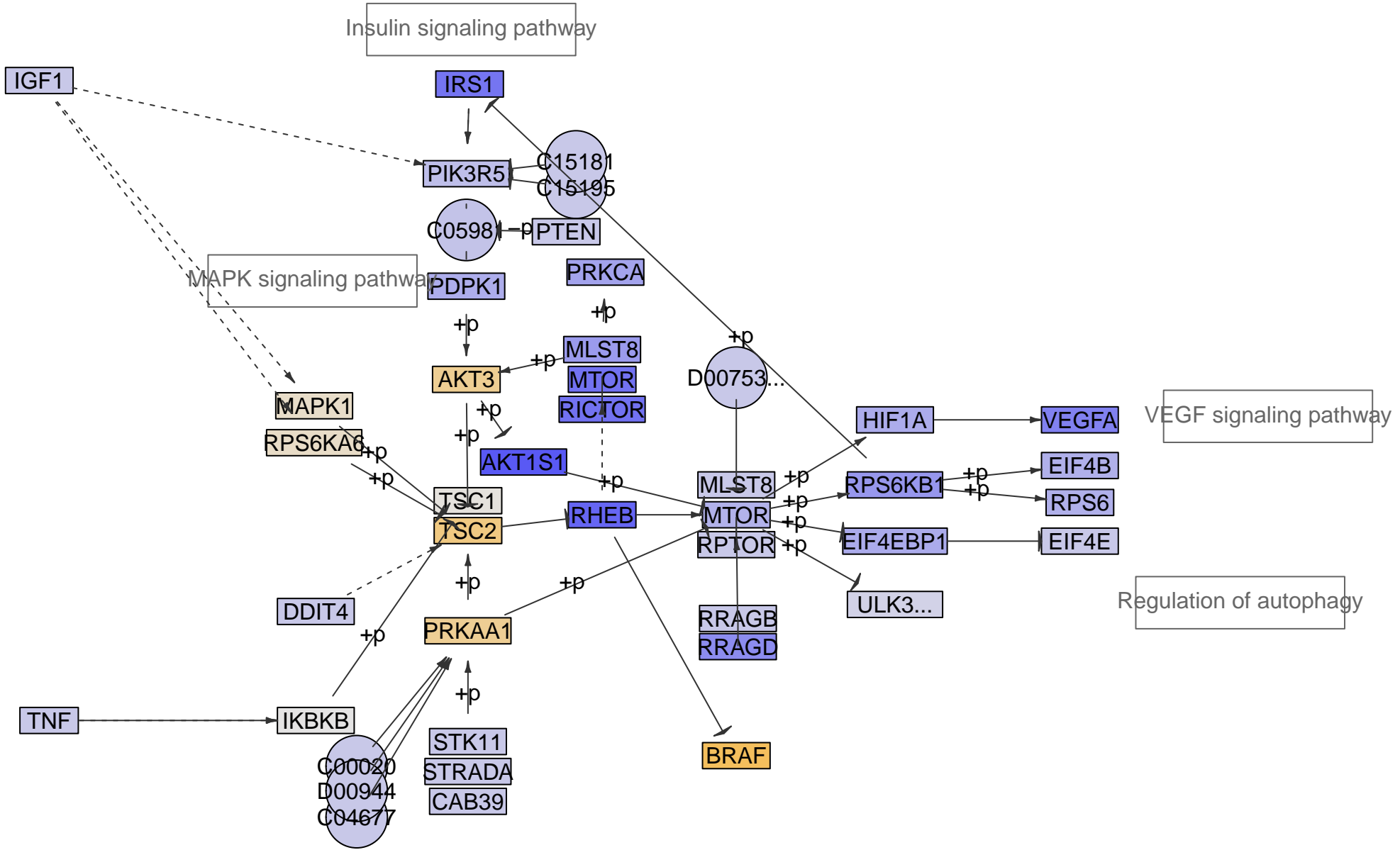
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-185



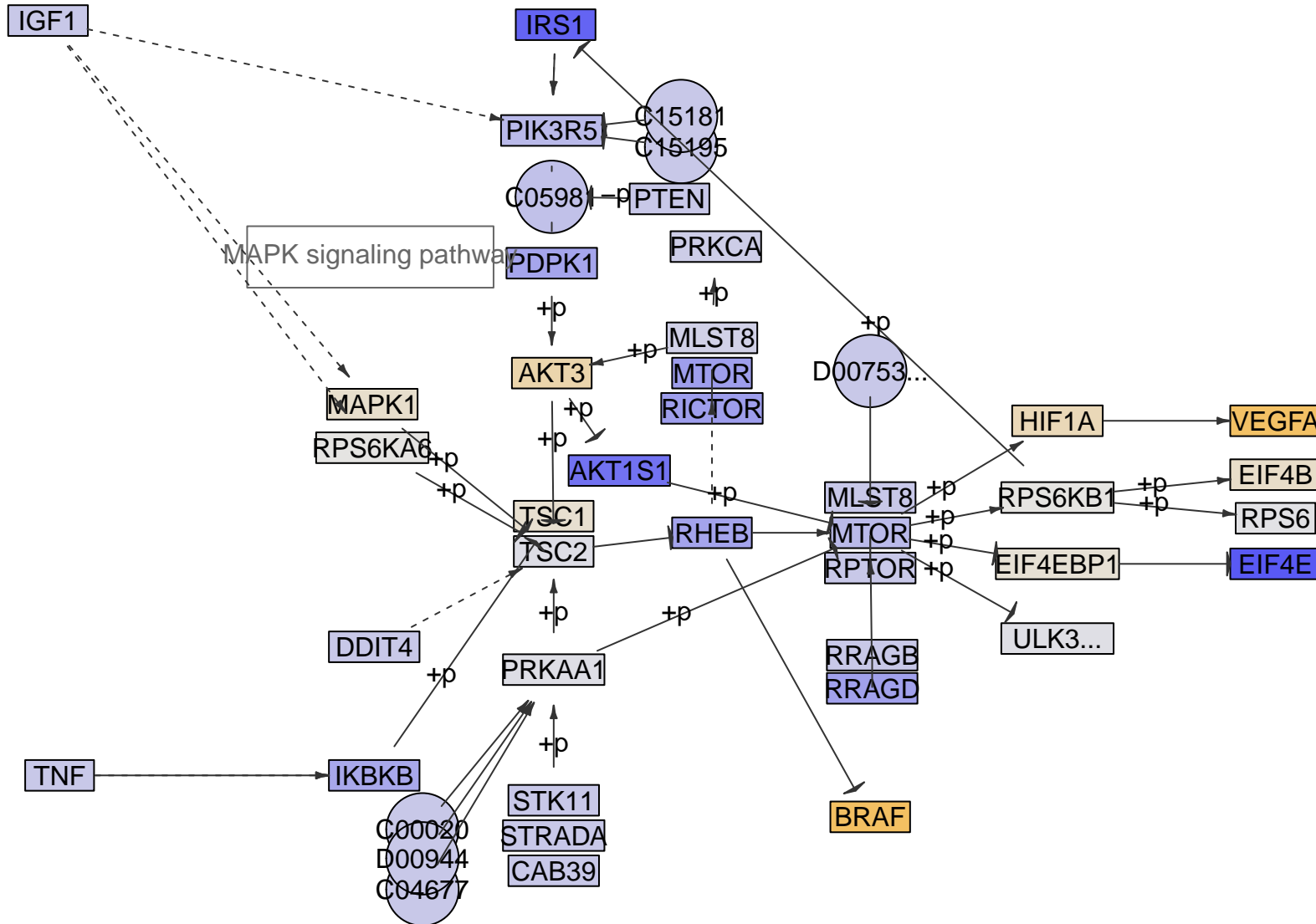
mTOR signaling pathway  
MPI-186

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



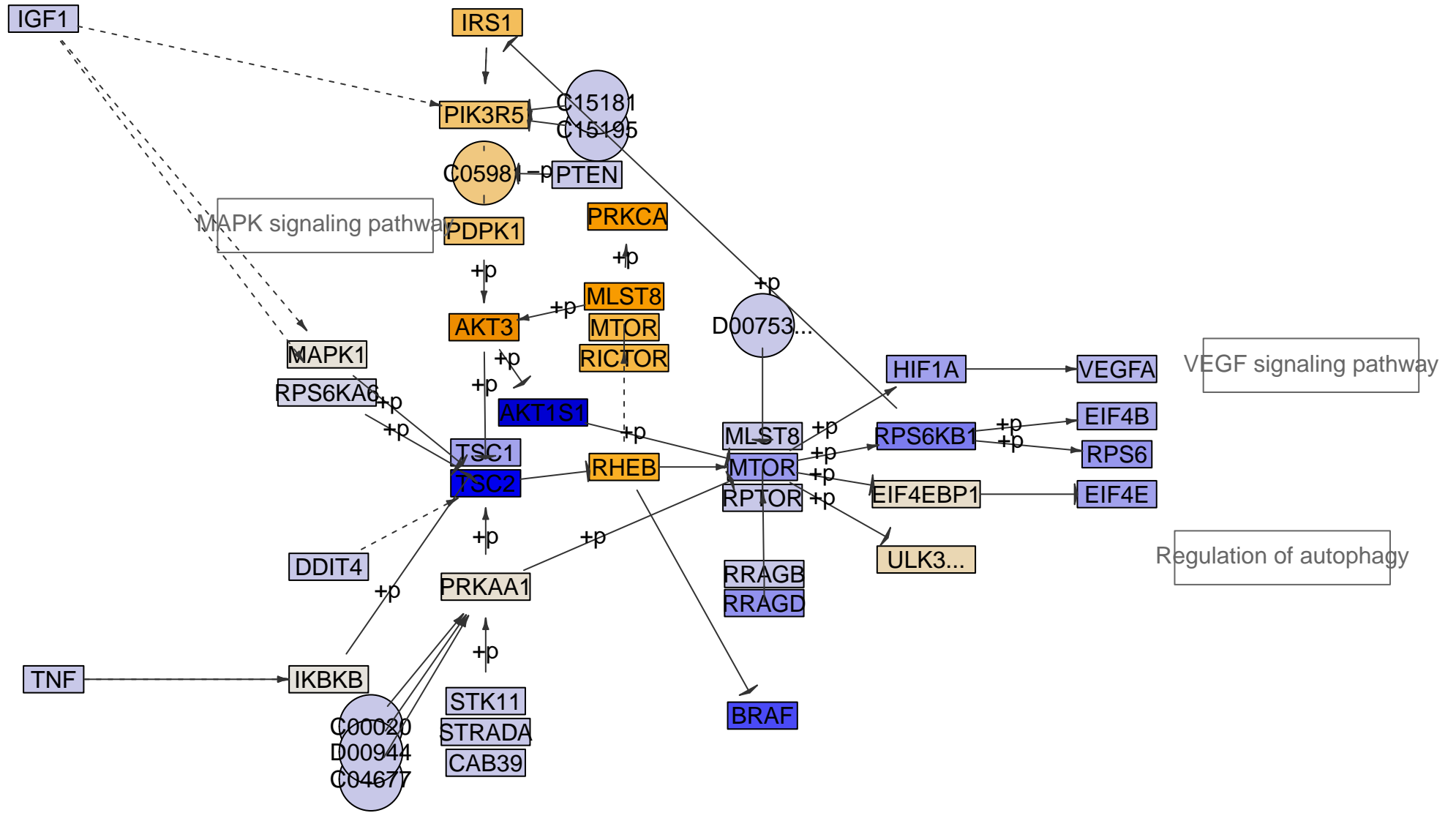
mTOR signaling pathway  
MPI-188

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy





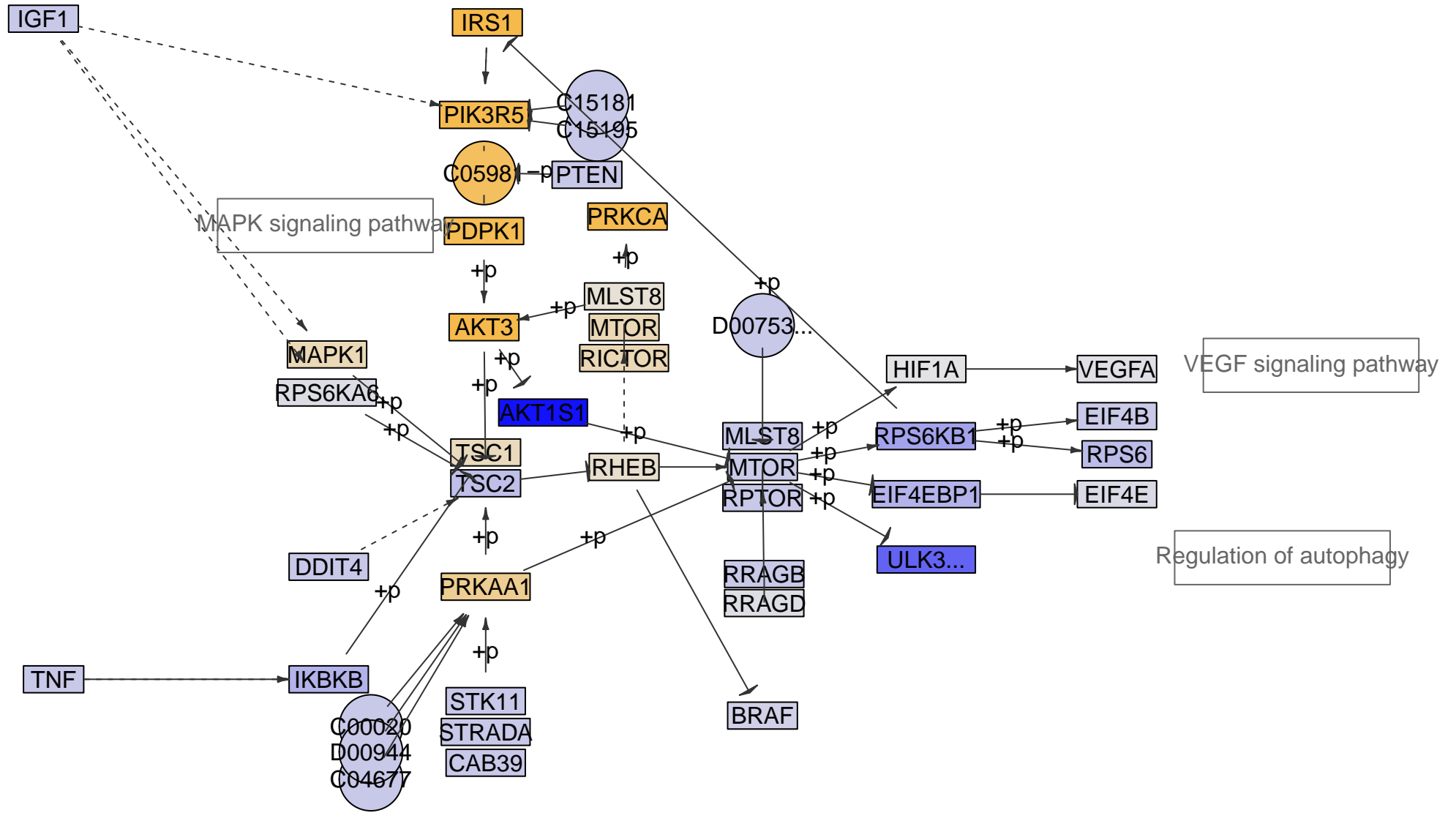
mTOR signaling pathway  
MPI-189

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



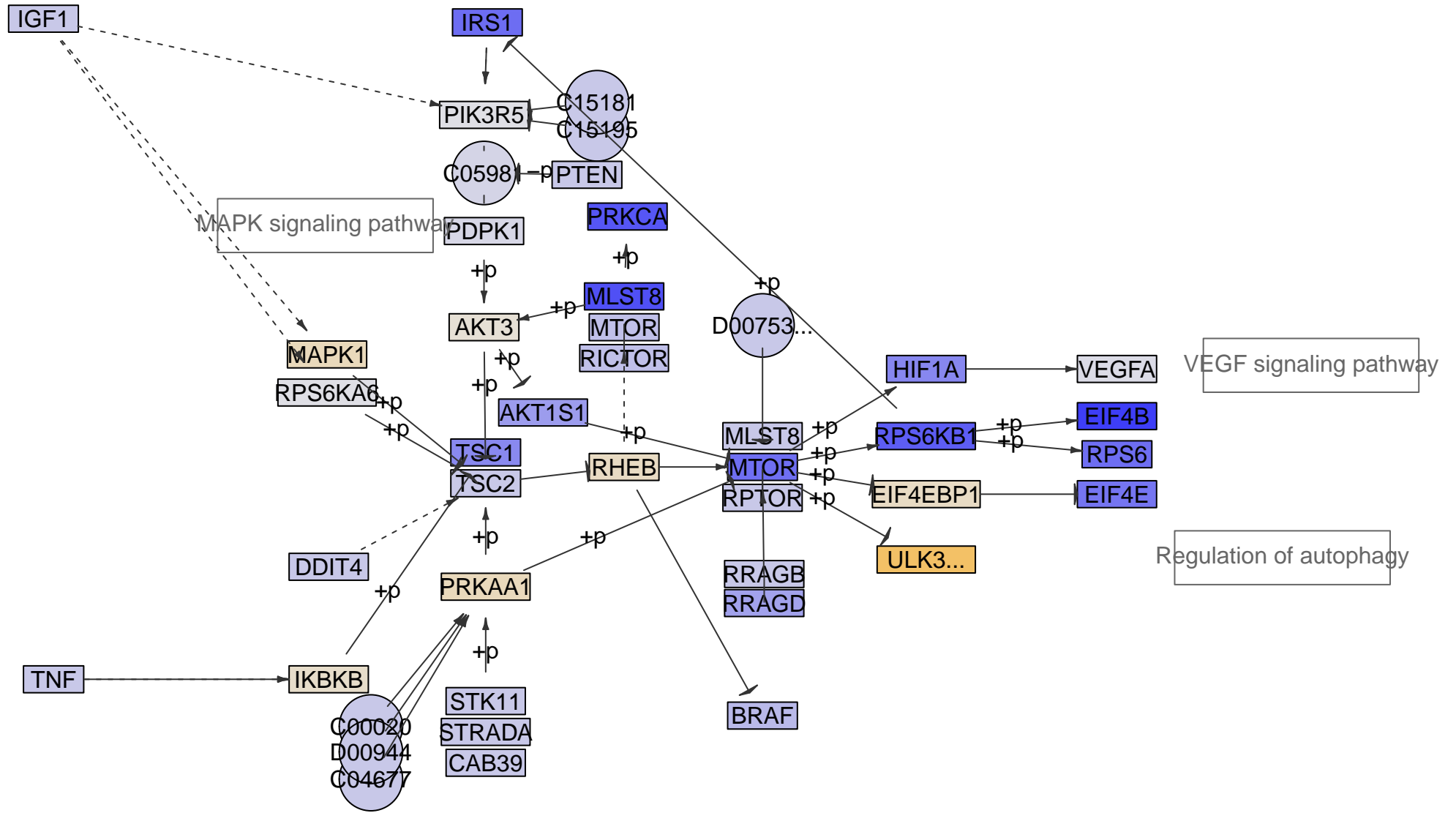
mTOR signaling pathway  
MPI-190

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



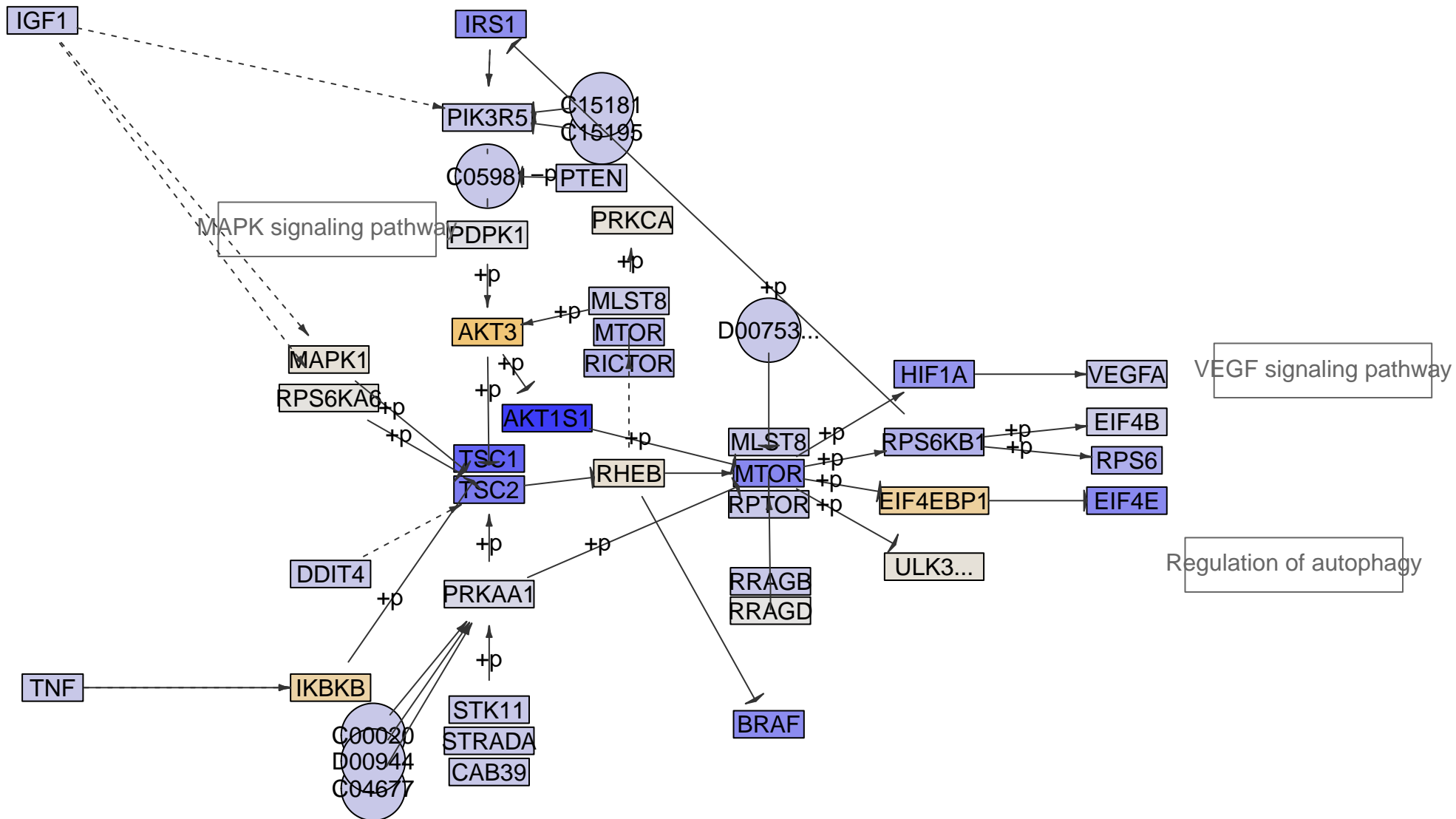
mTOR signaling pathway  
MPI-191

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



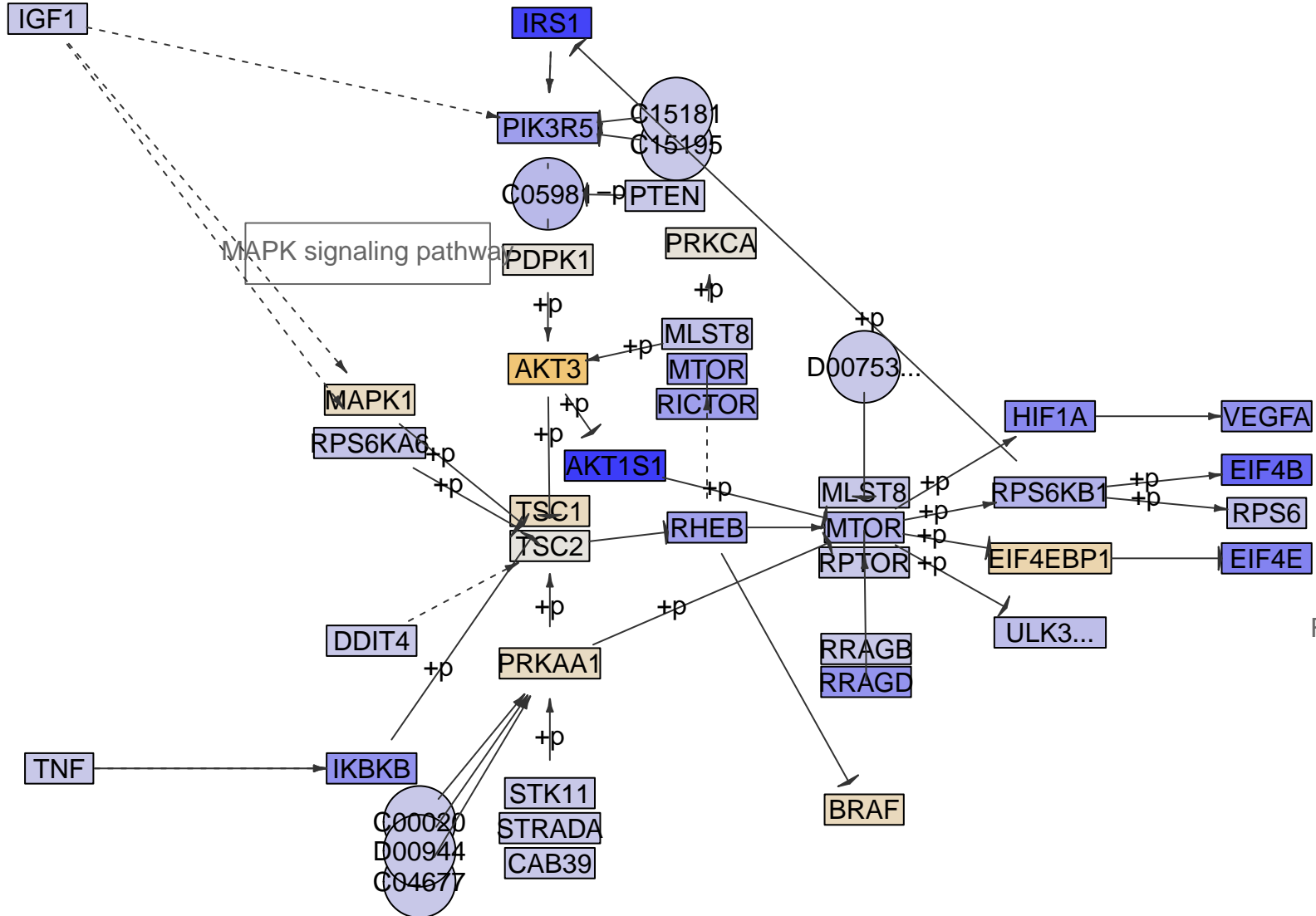
mTOR signaling pathway  
MPI-192

Insulin signaling pathway

MAPK signaling pathway

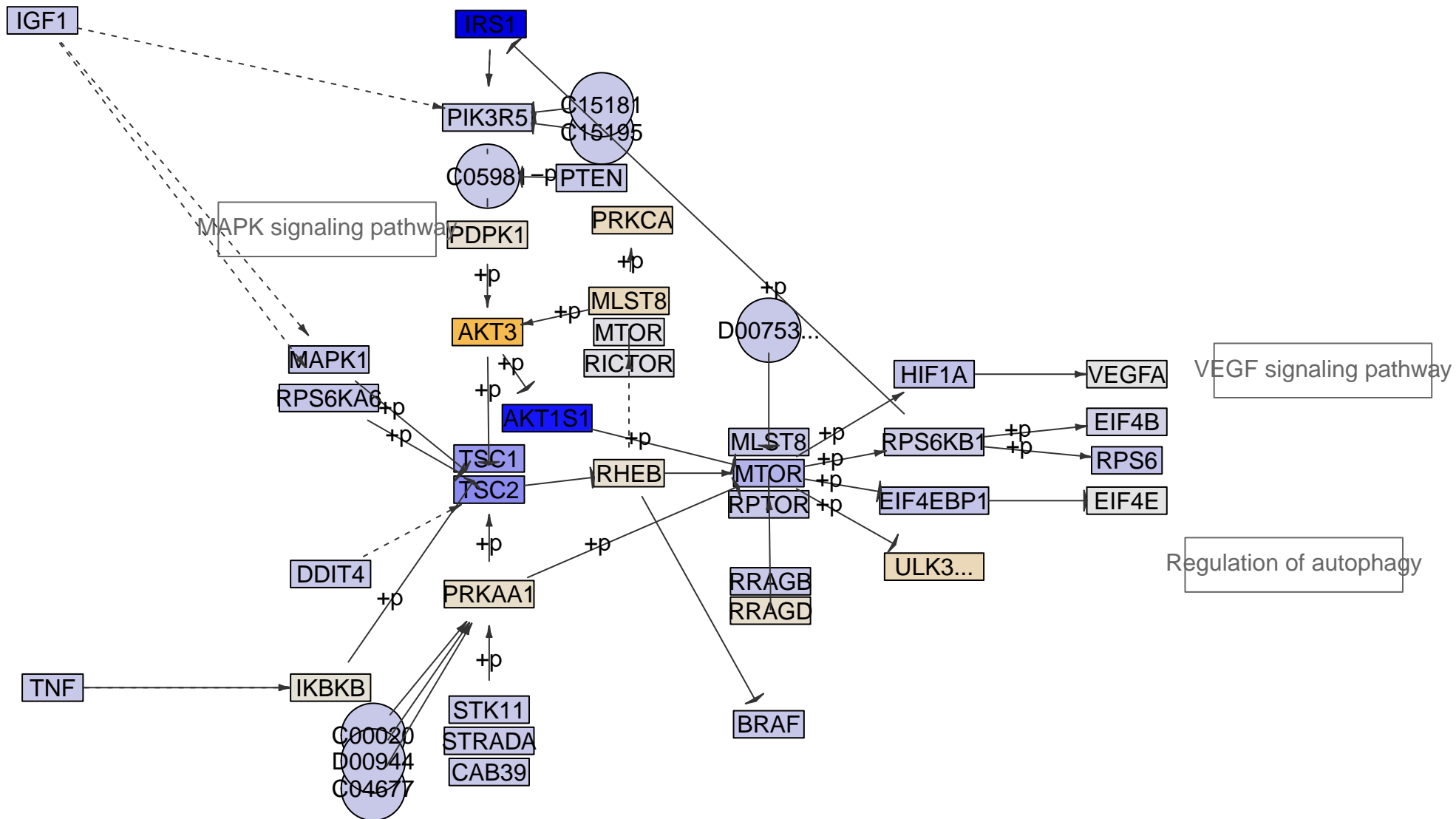
VEGF signaling pathway

Regulation of autophagy

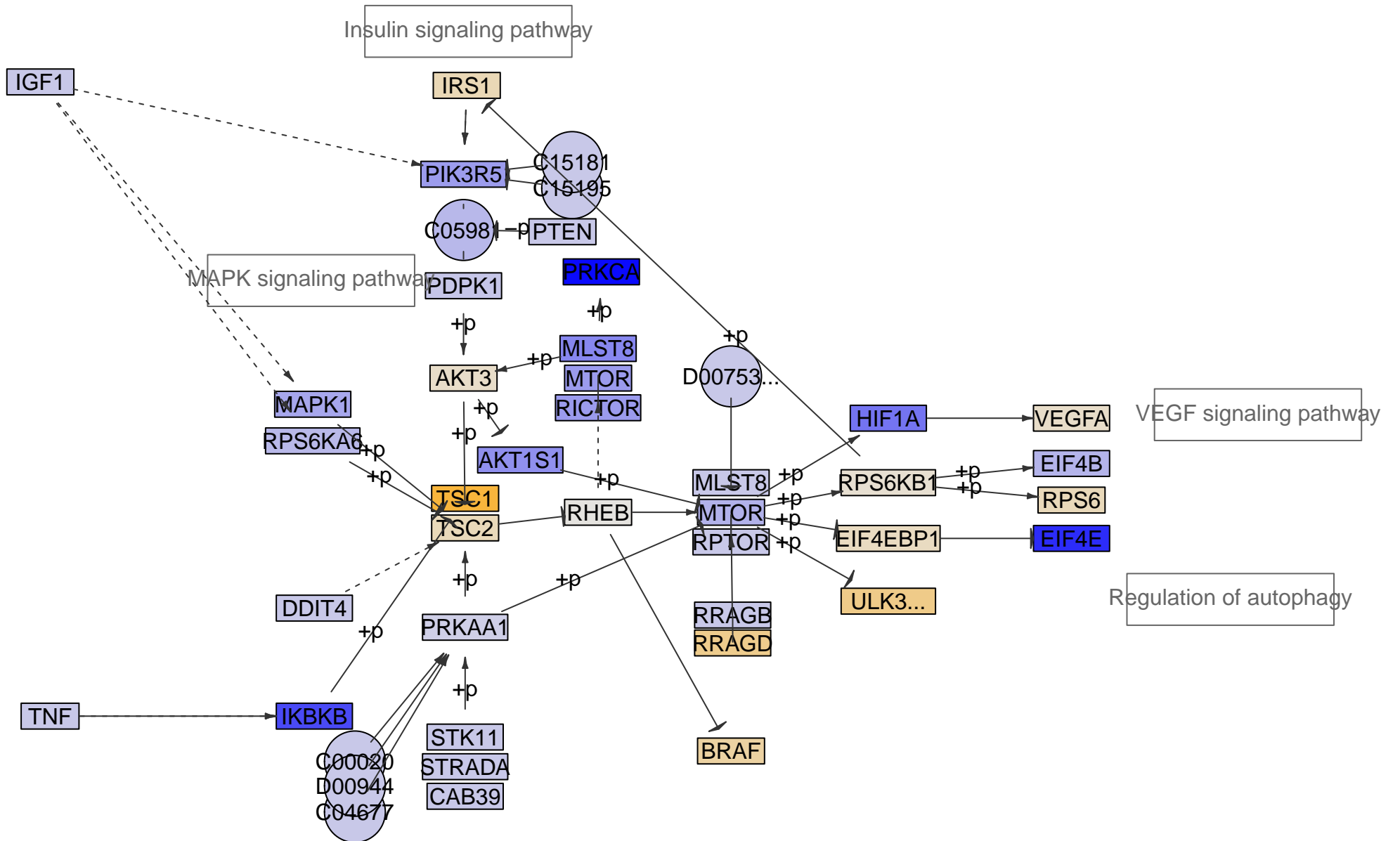


mTOR signaling pathway  
MPI-194

Insulin signaling pathway



mTOR signaling pathway  
MPI-195



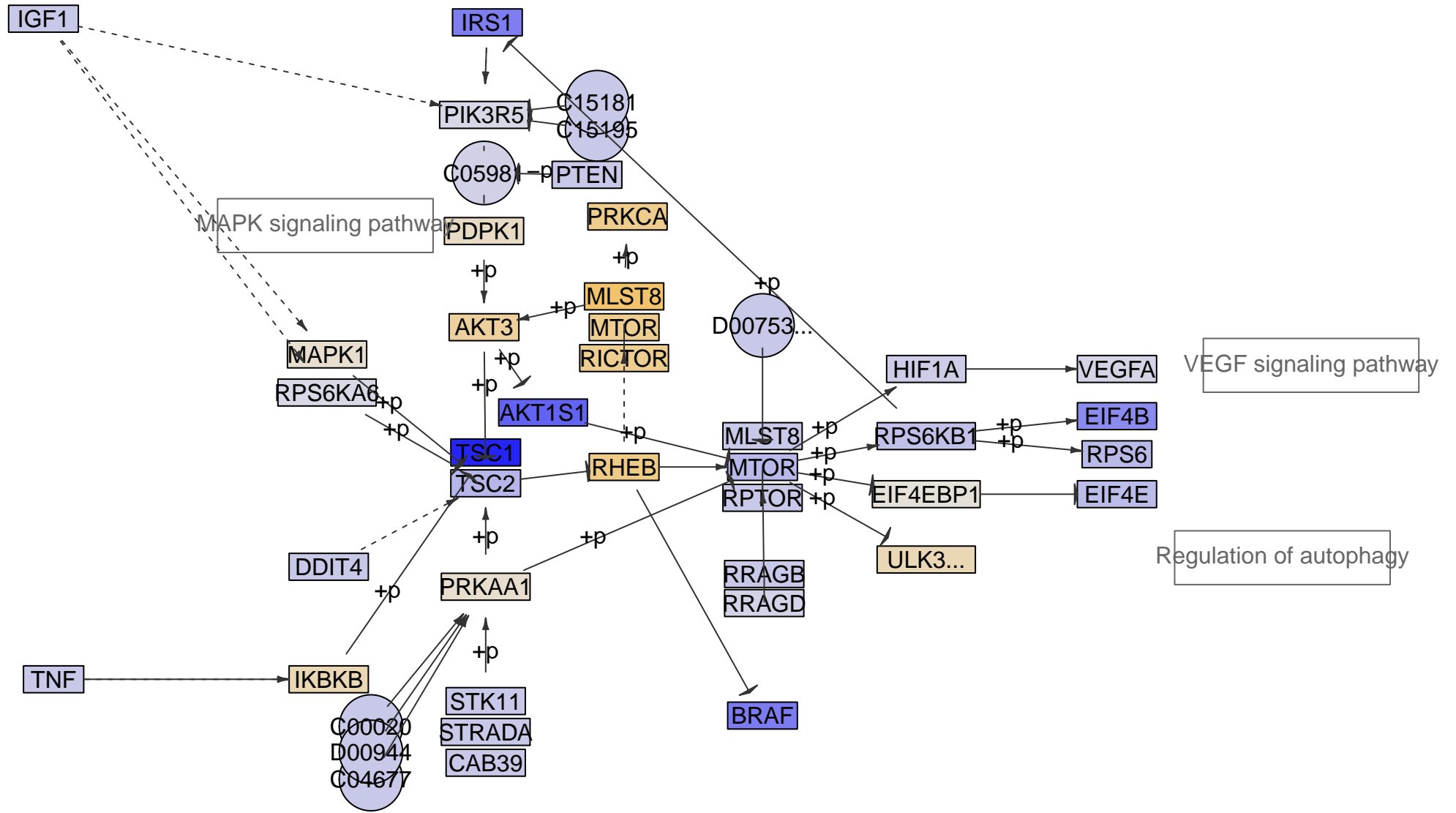
mTOR signaling pathway  
MPI-196

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-198

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR

RICTOR

D00753...

MAPK1

RPS6KA6

TSC1

TSC2

AKT1S1

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

RPS6KB1

EIF4B

RPS6

EIF4EBP1

EIF4E

ULK3...

DDIT4

PRKAA1

RRAGB

RRAGD

TNF

IKBKB

STK11

STRADA

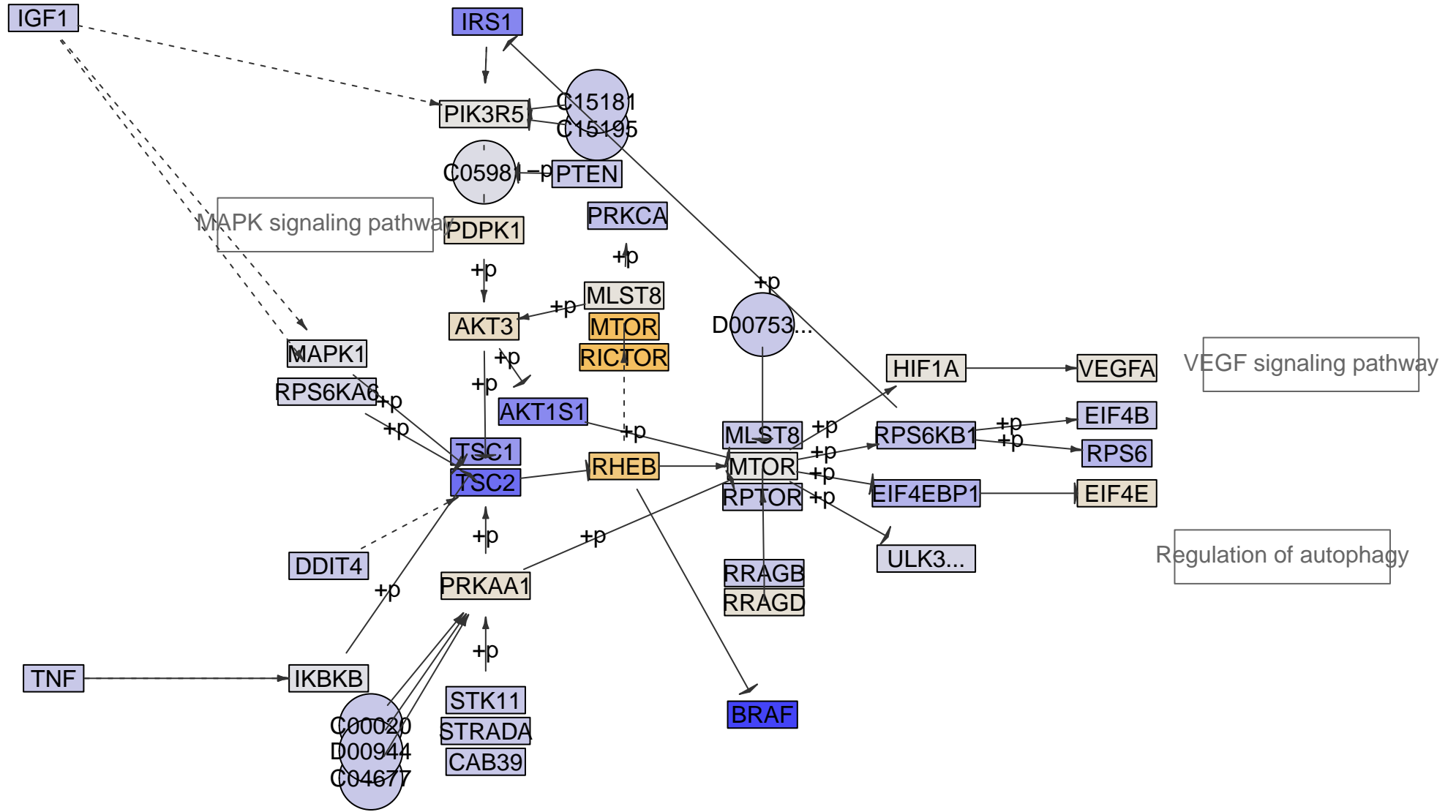
CAB39

C00020

D00944

C04677

BRAF





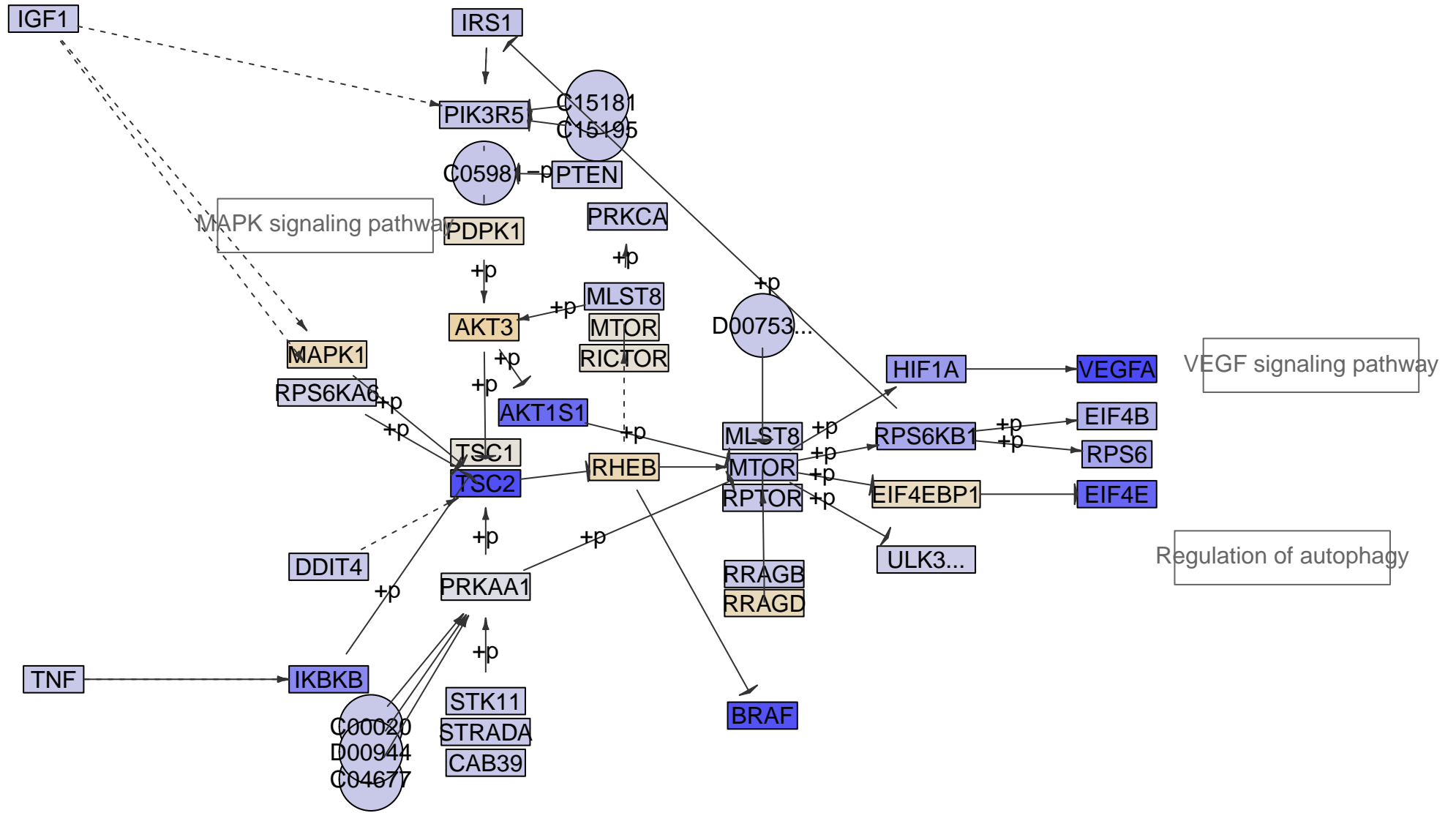
mTOR signaling pathway  
MPI-199

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



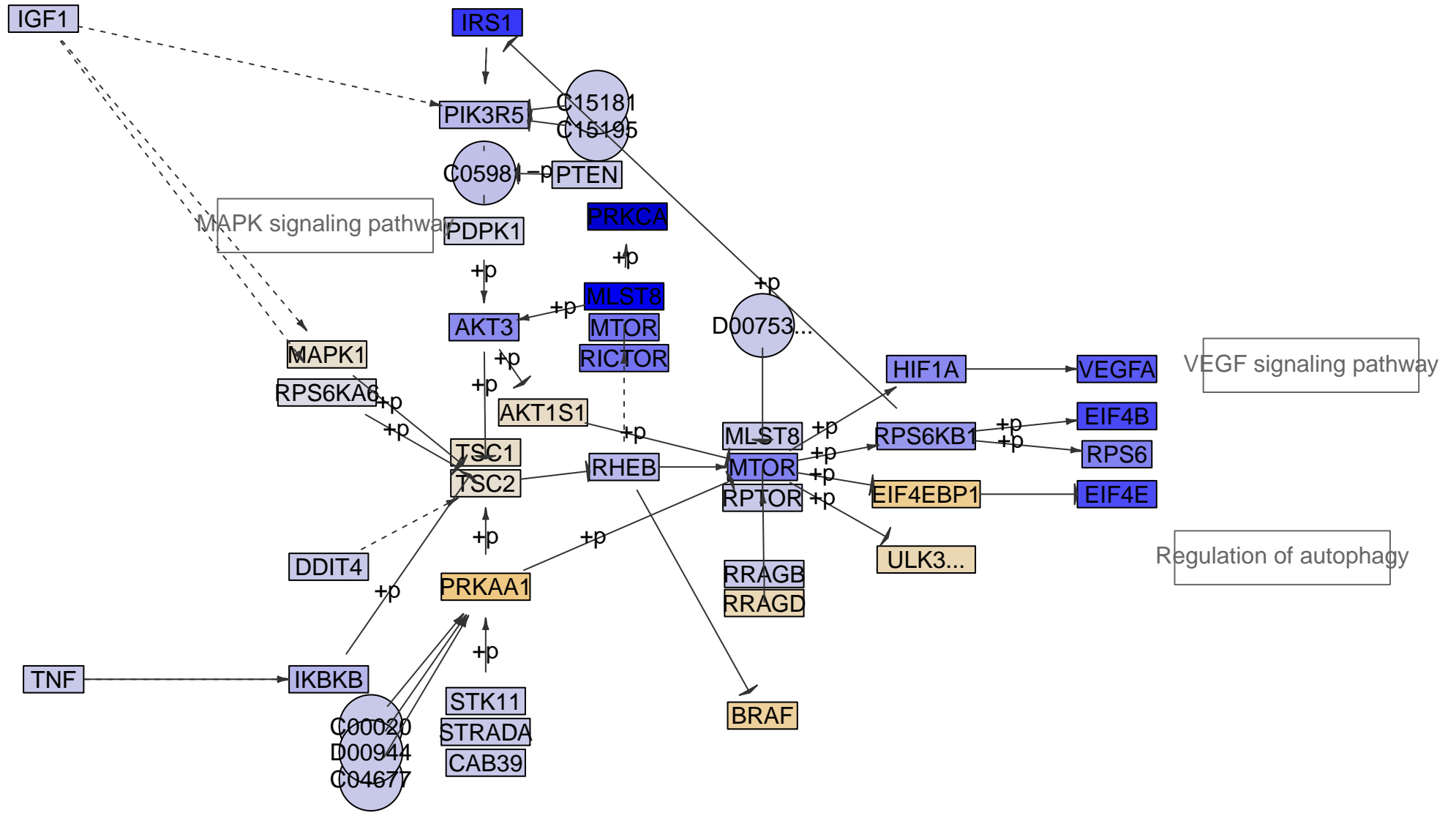
mTOR signaling pathway  
MPI-200

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



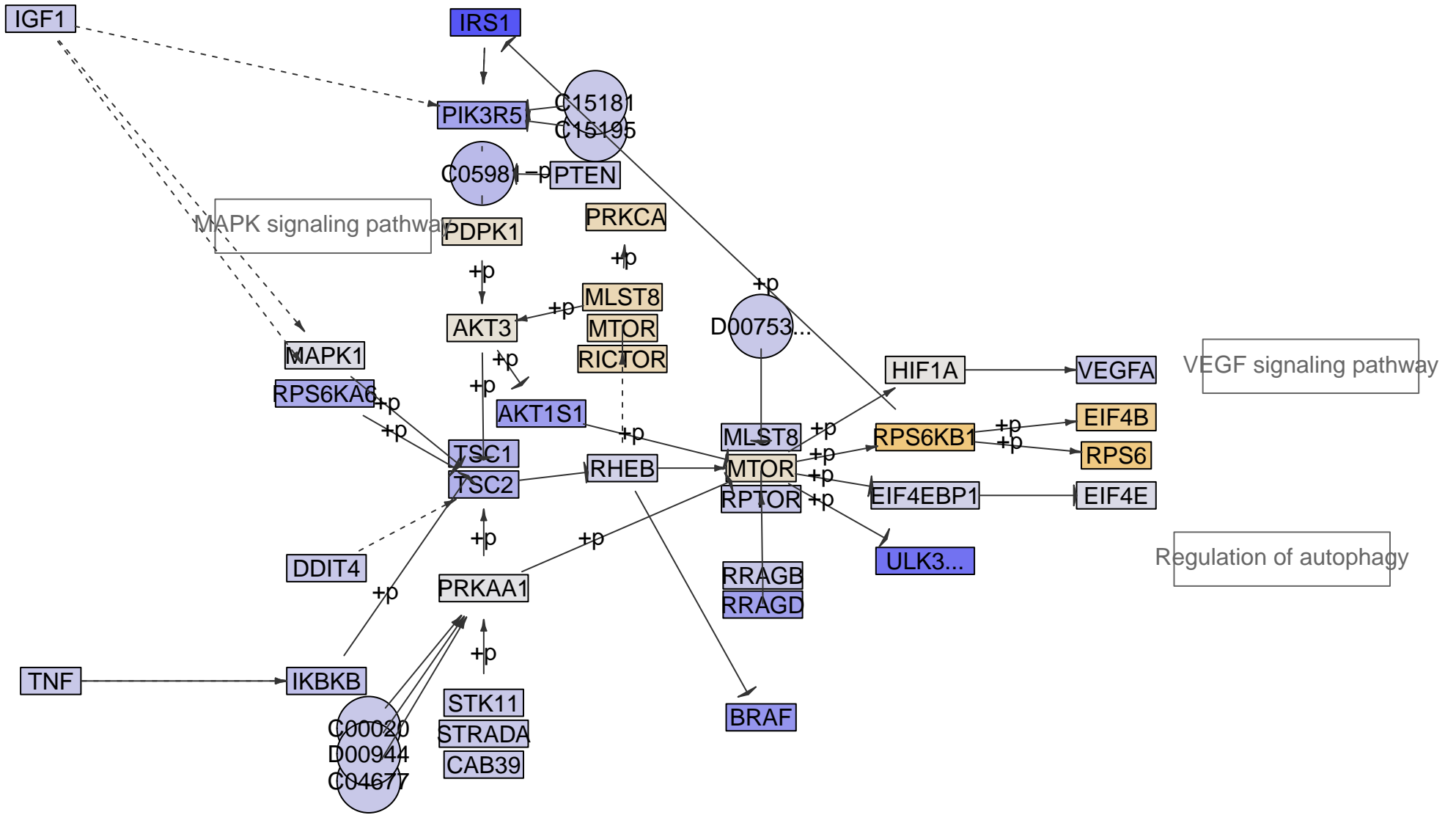
mTOR signaling pathway  
MPI-201

Insulin signaling pathway

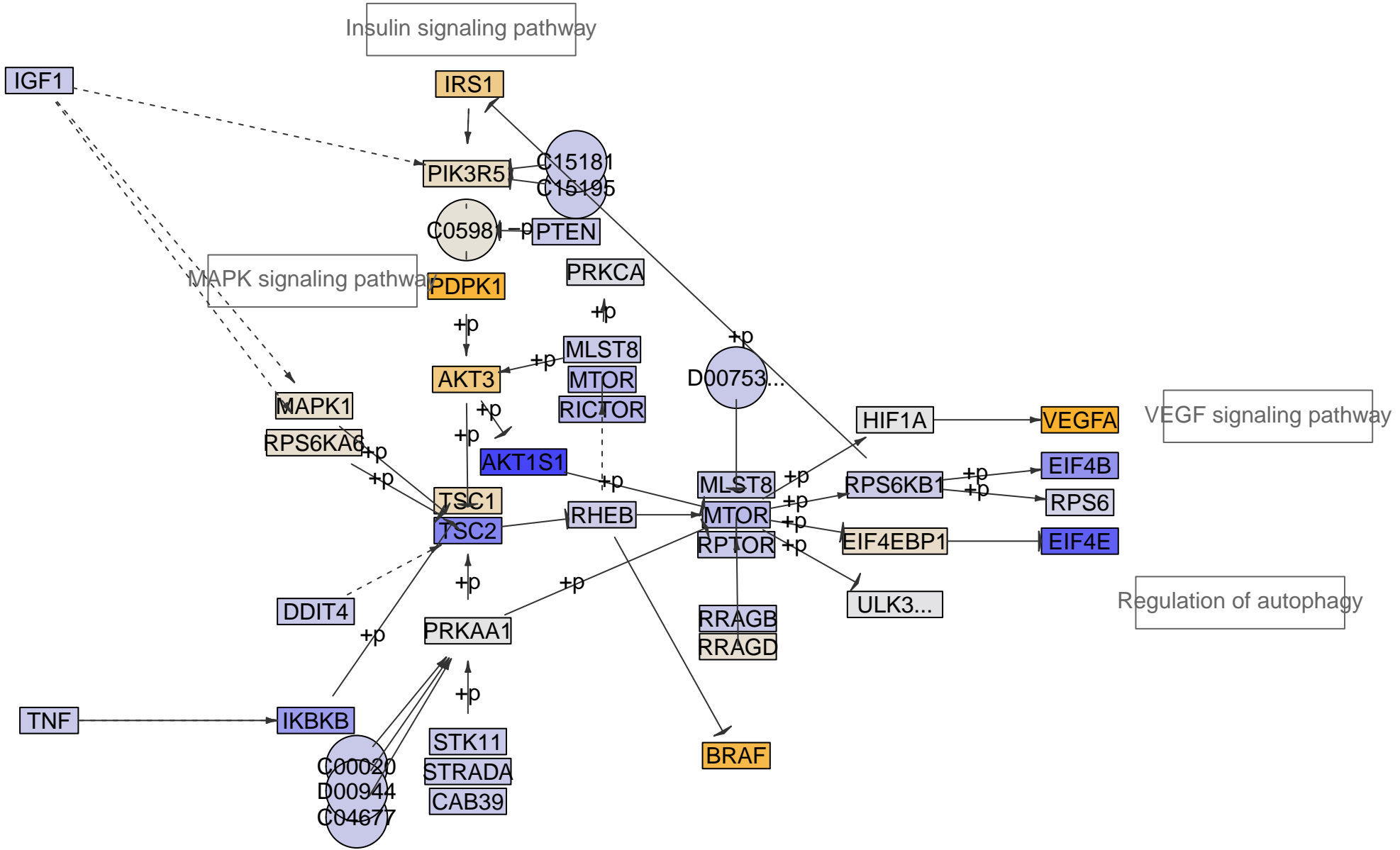
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-202



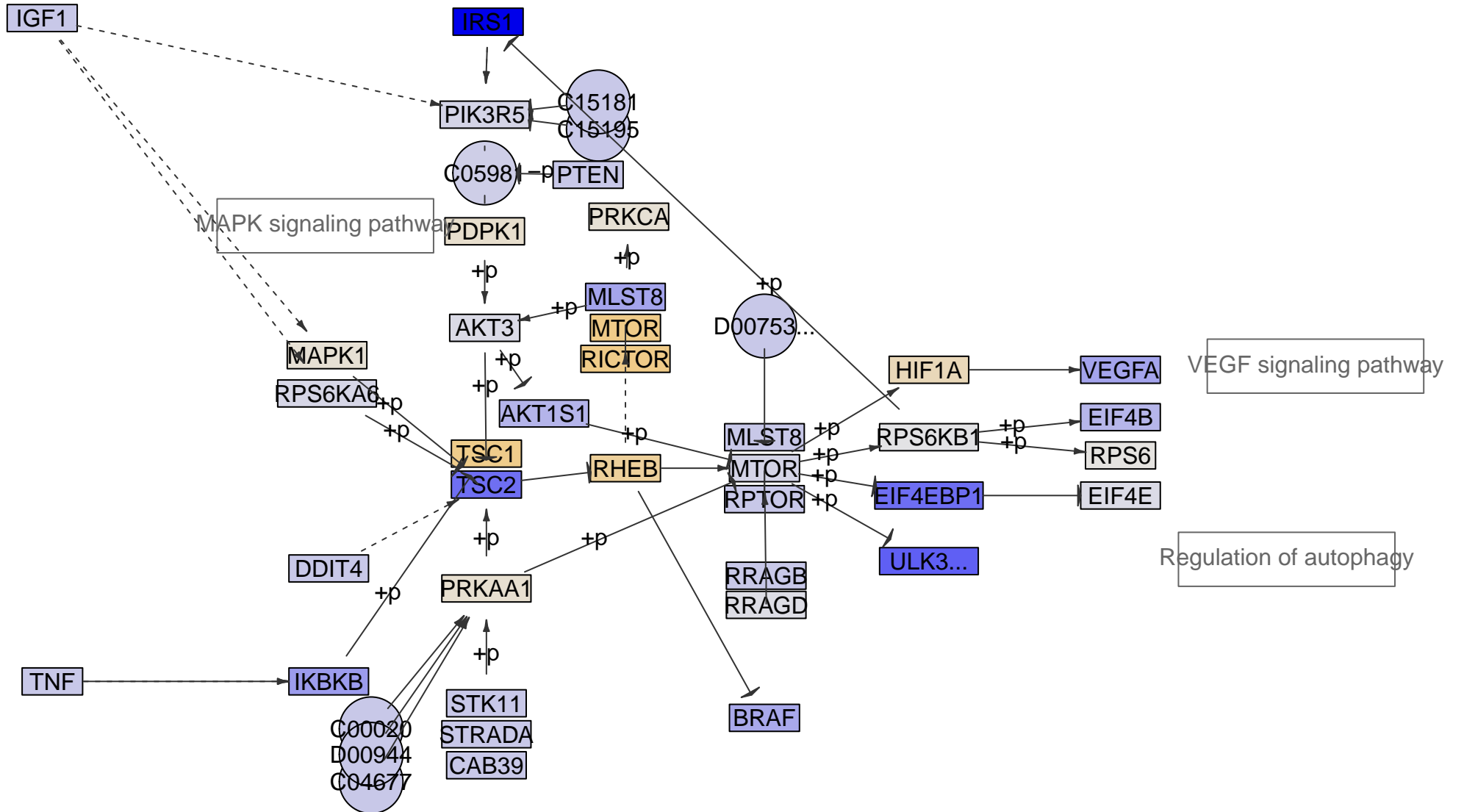
mTOR signaling pathway  
MPI-203

Insulin signaling pathway

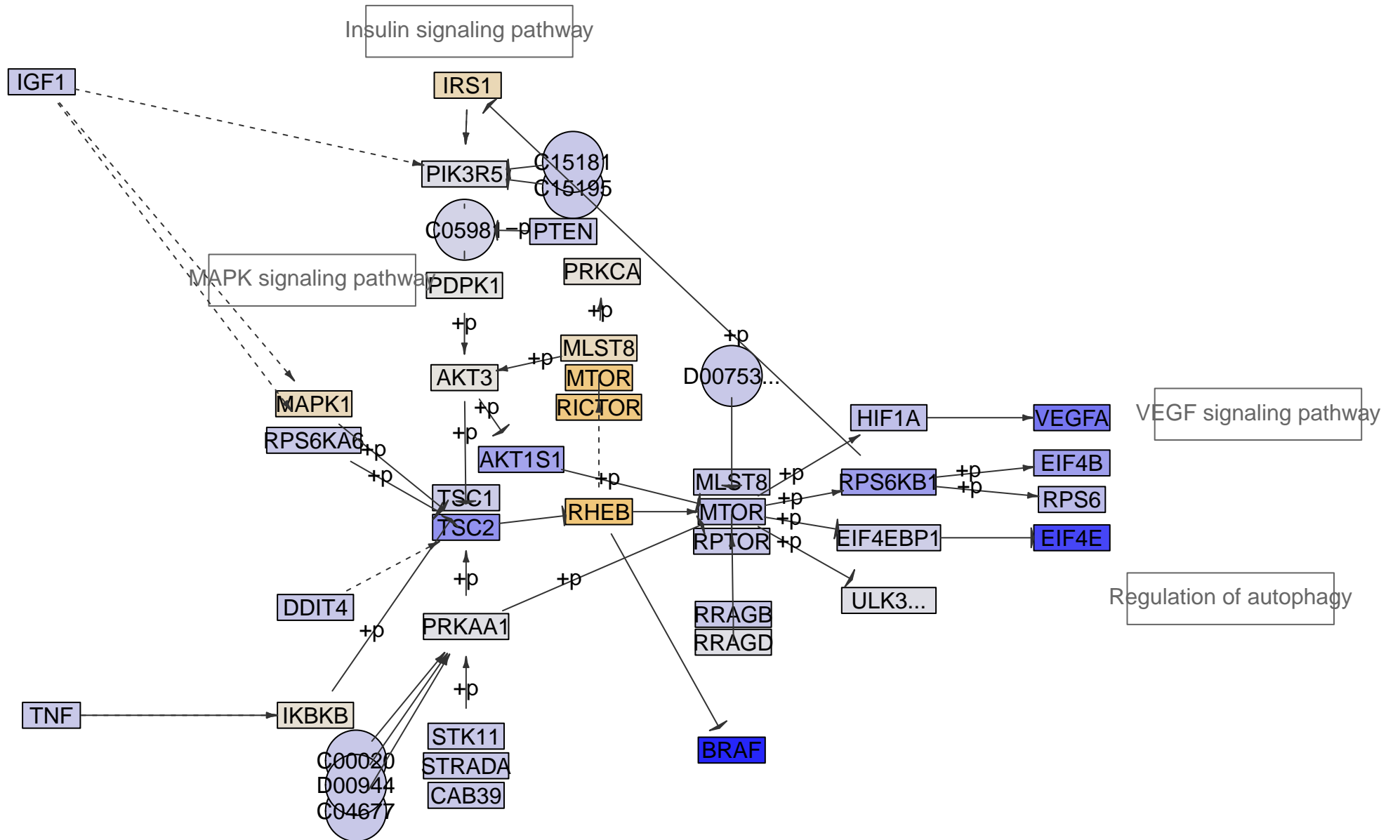
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-204



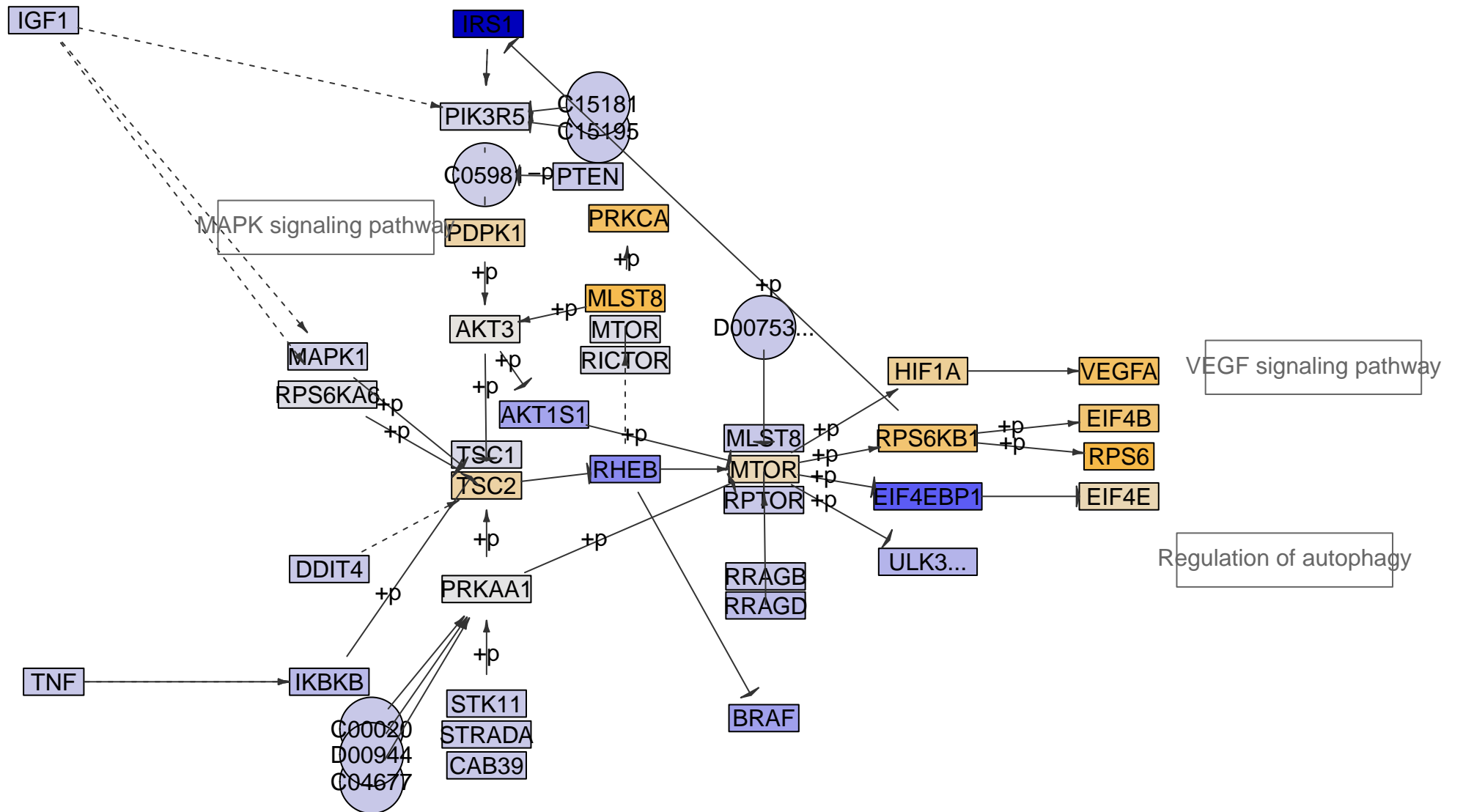
mTOR signaling pathway  
MPI-205

Insulin signaling pathway

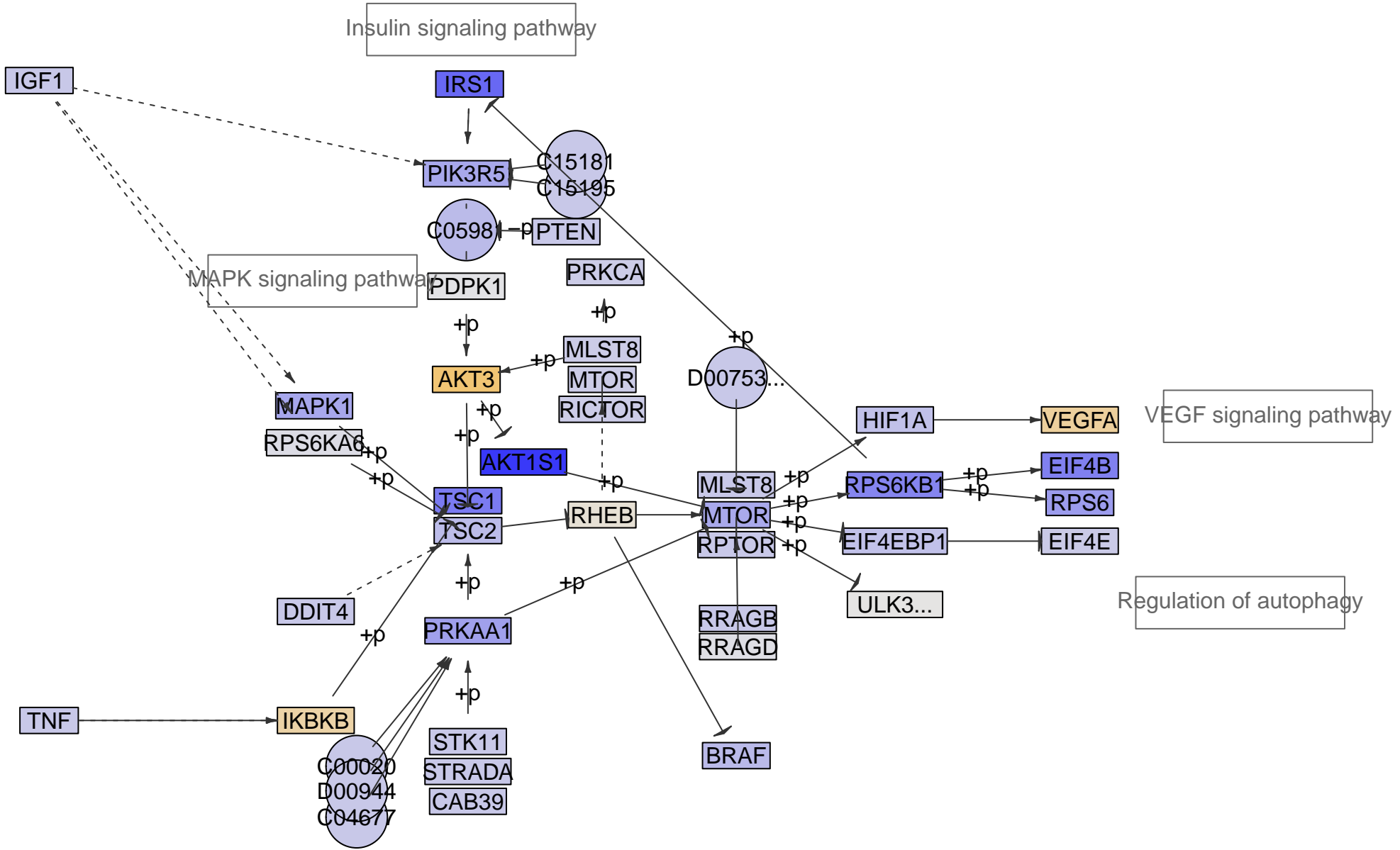
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-206





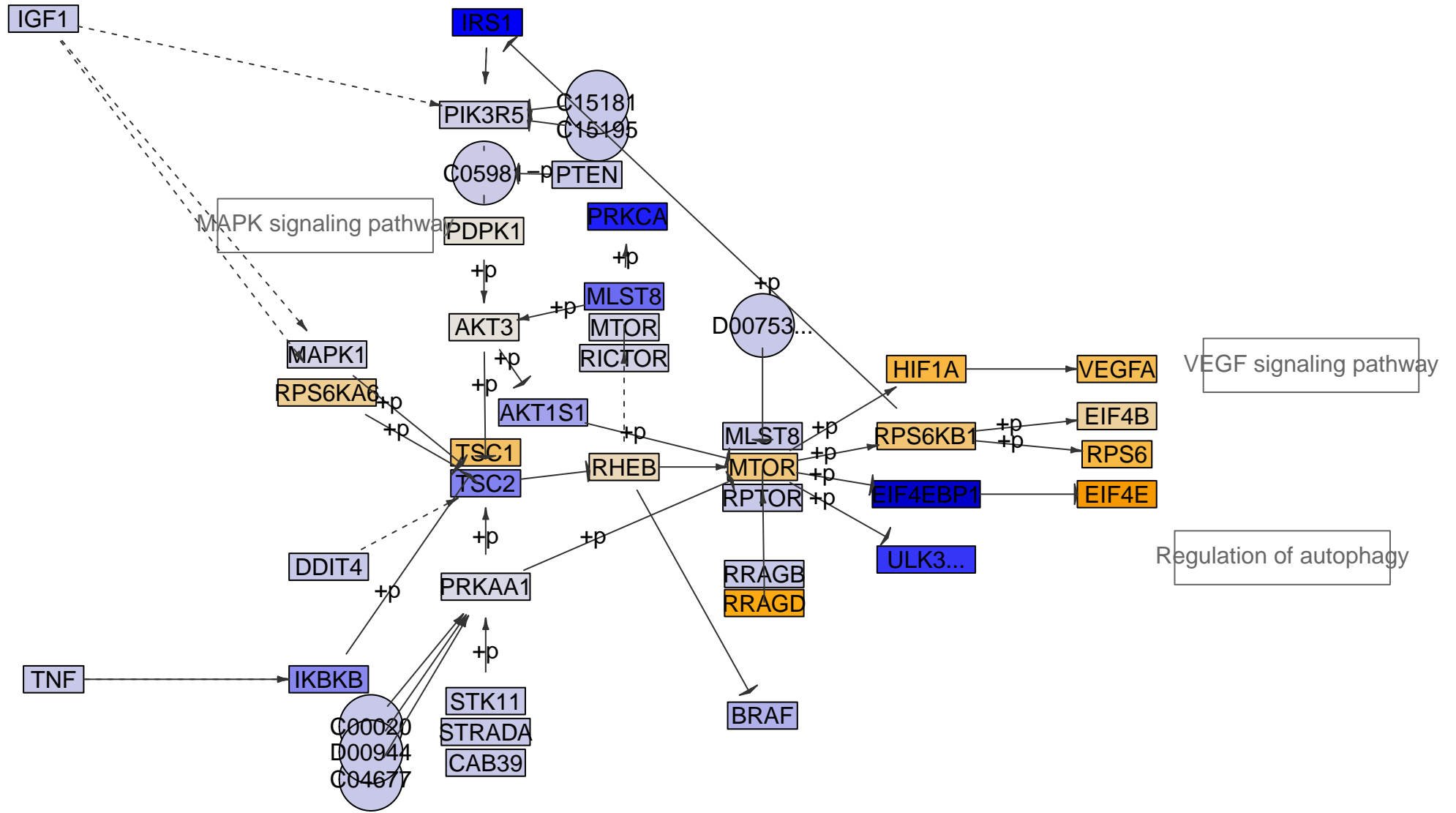
mTOR signaling pathway  
MPI-207

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



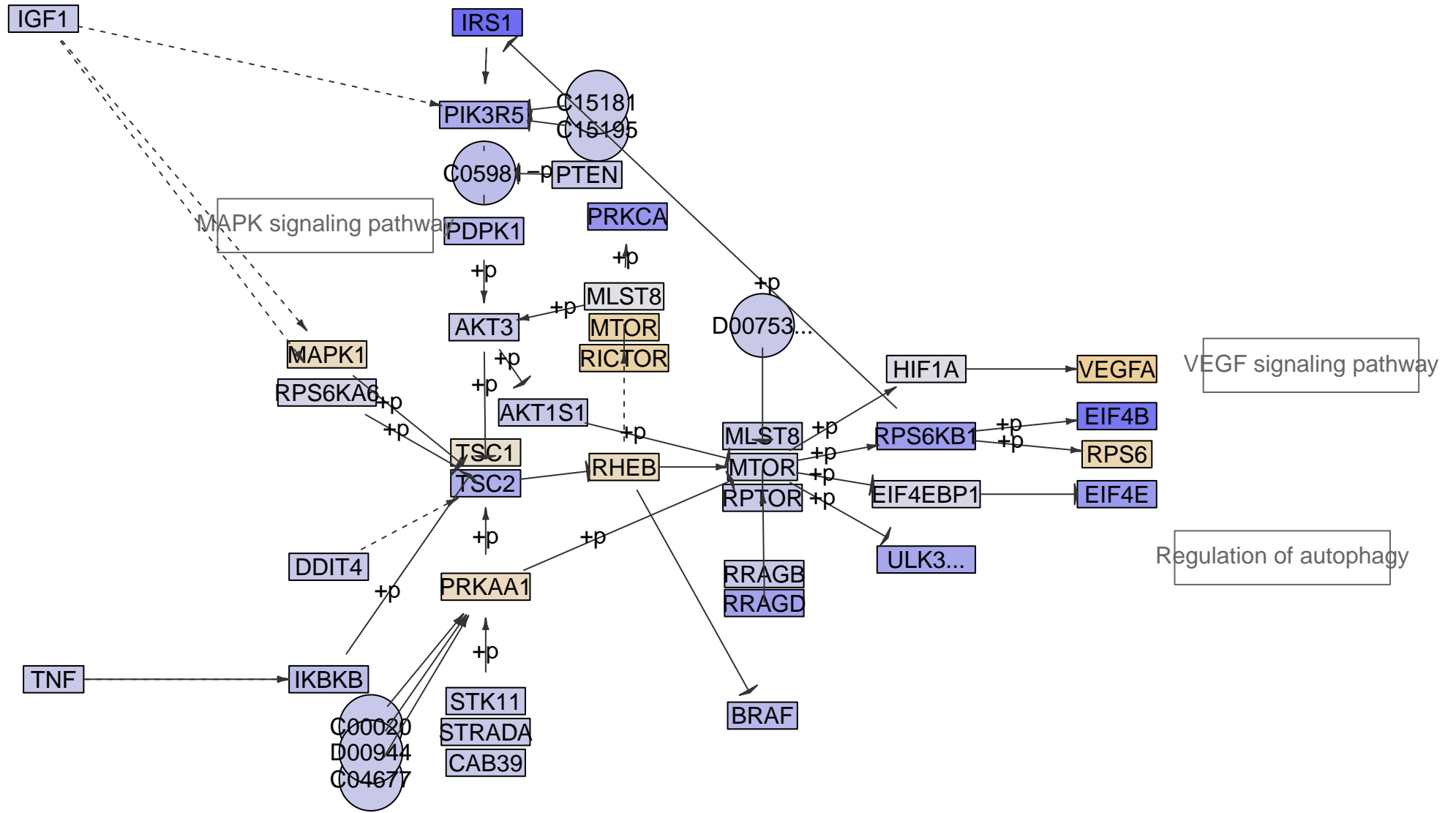
mTOR signaling pathway  
MPI-208

Insulin signaling pathway

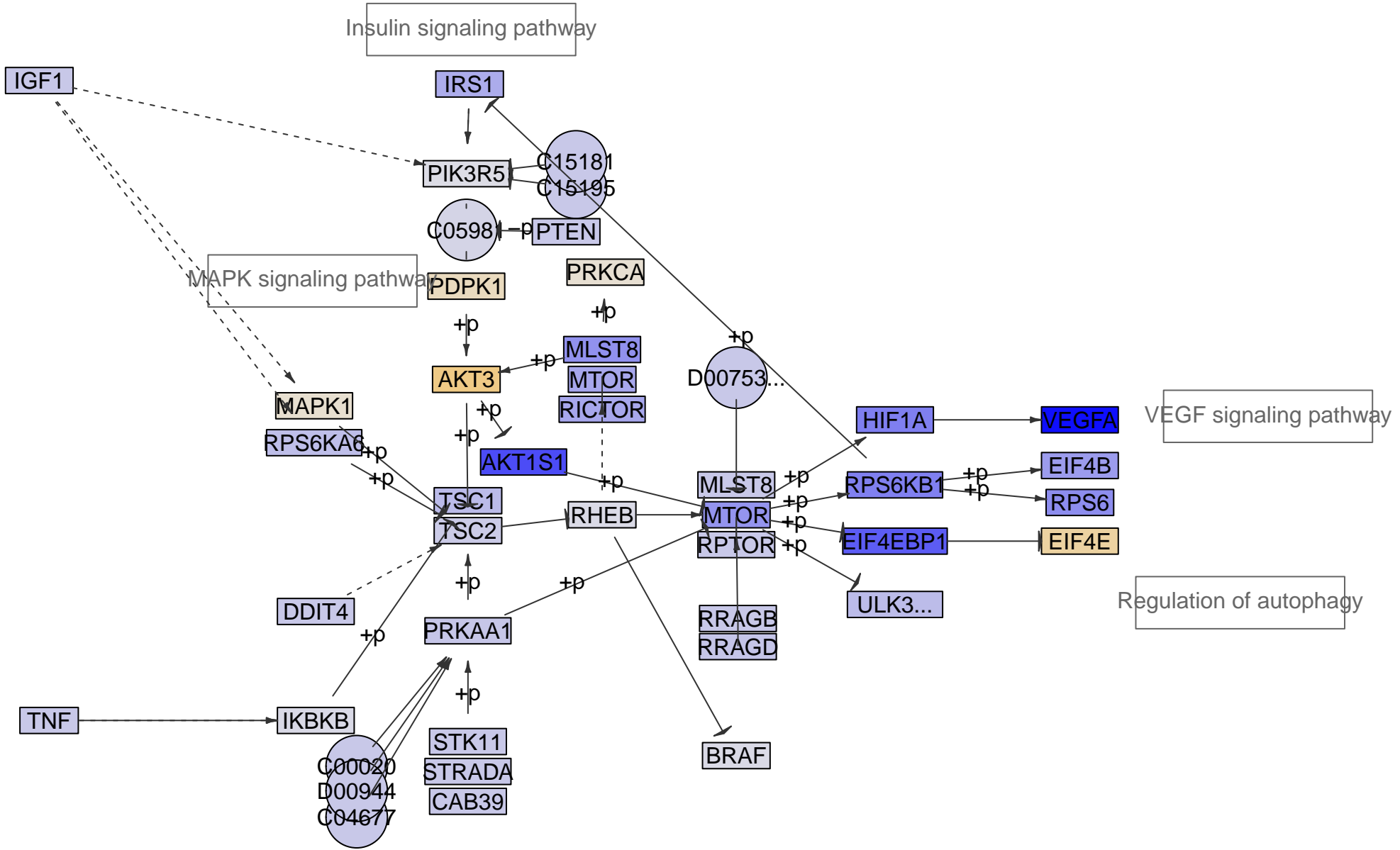
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-209



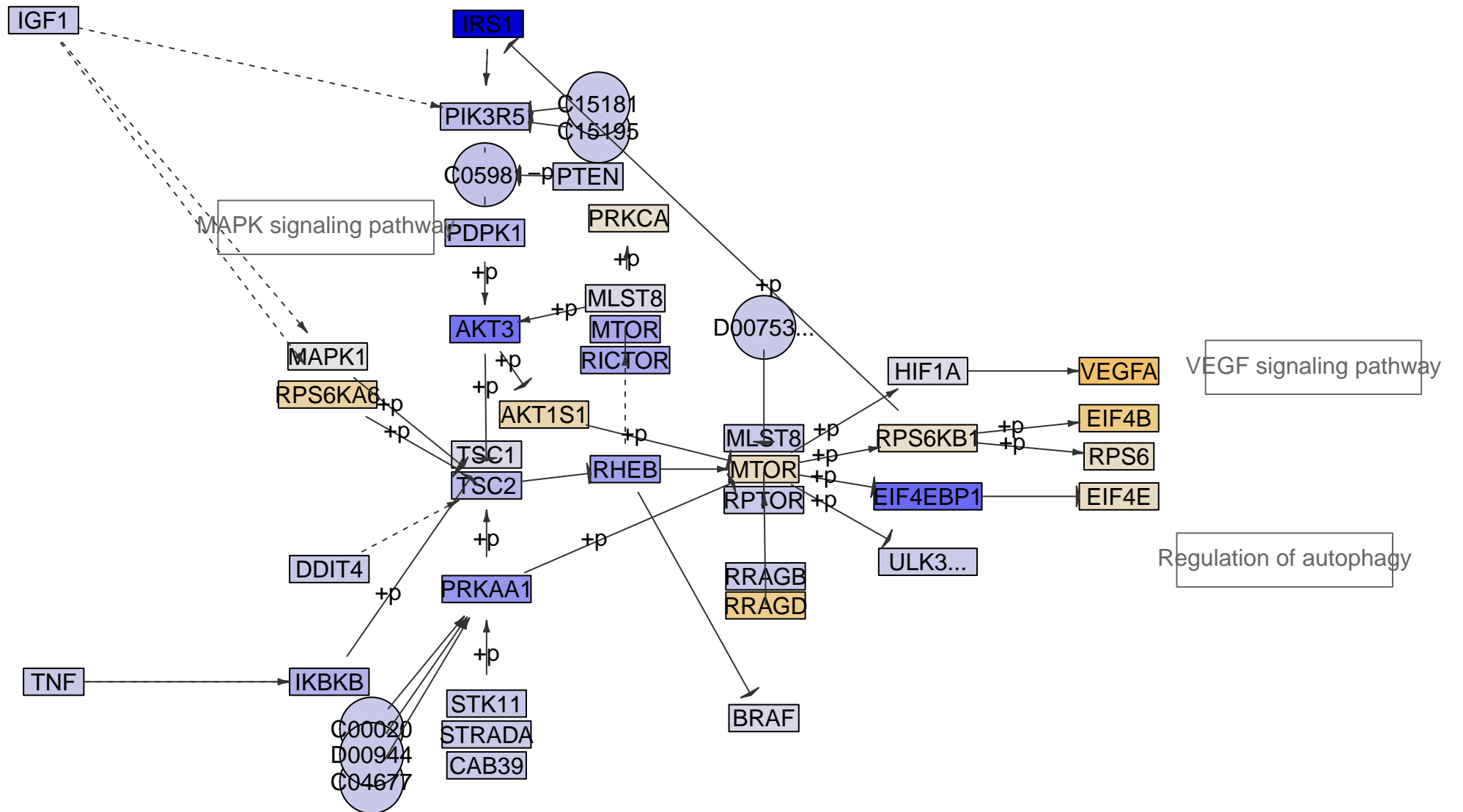
mTOR signaling pathway  
MPI-210

Insulin signaling pathway

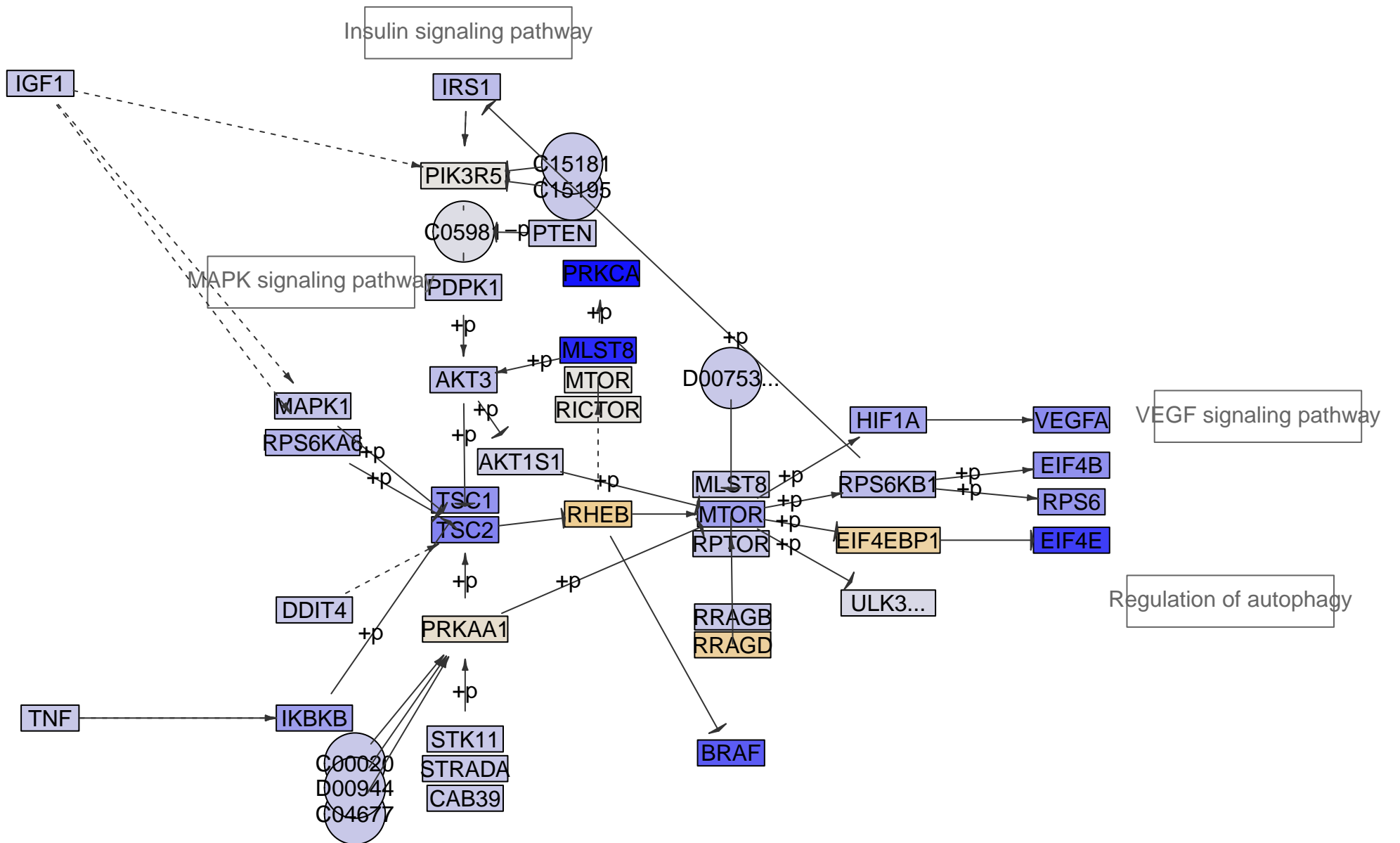
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-212



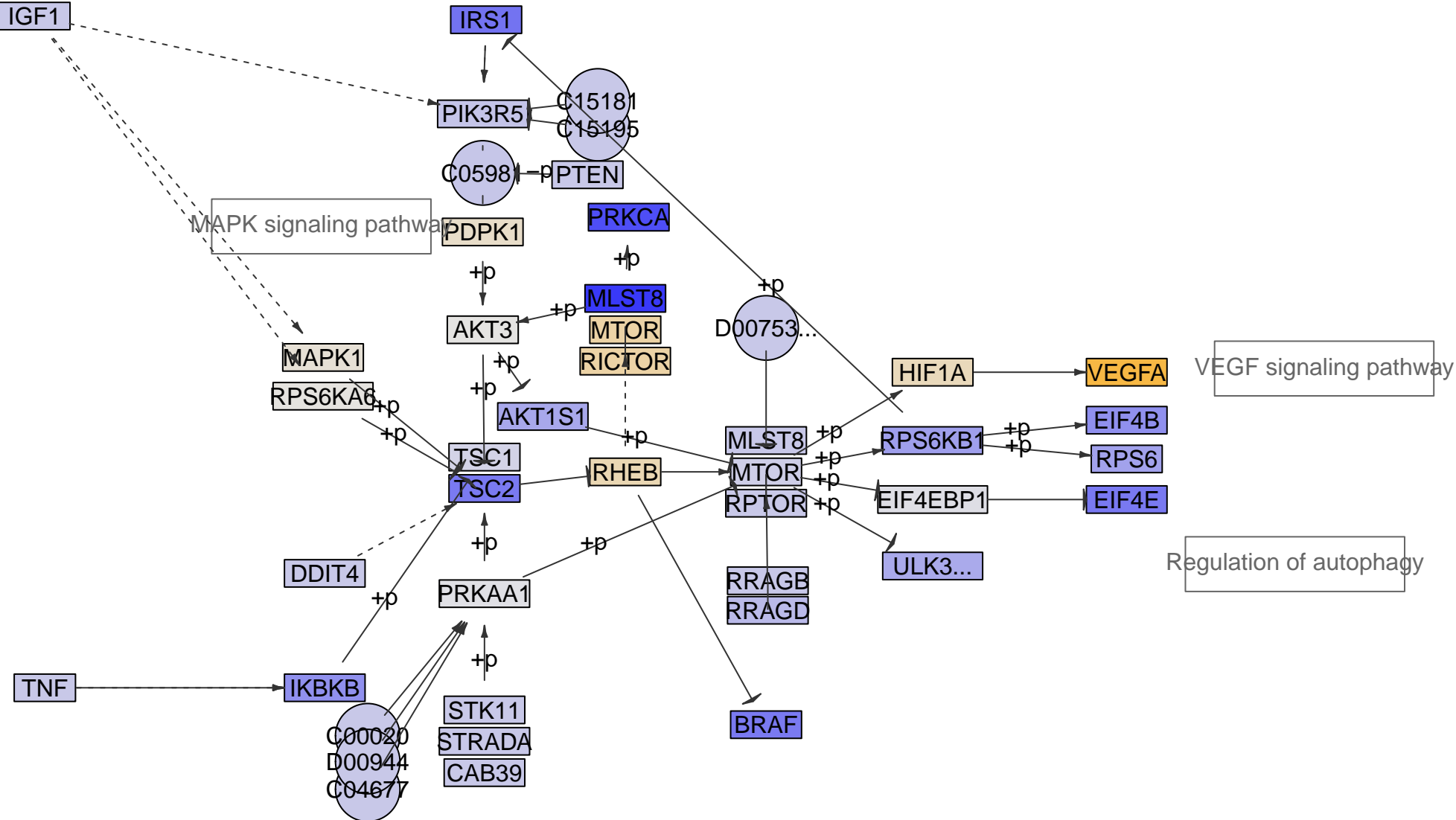
mTOR signaling pathway  
MPI-213

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



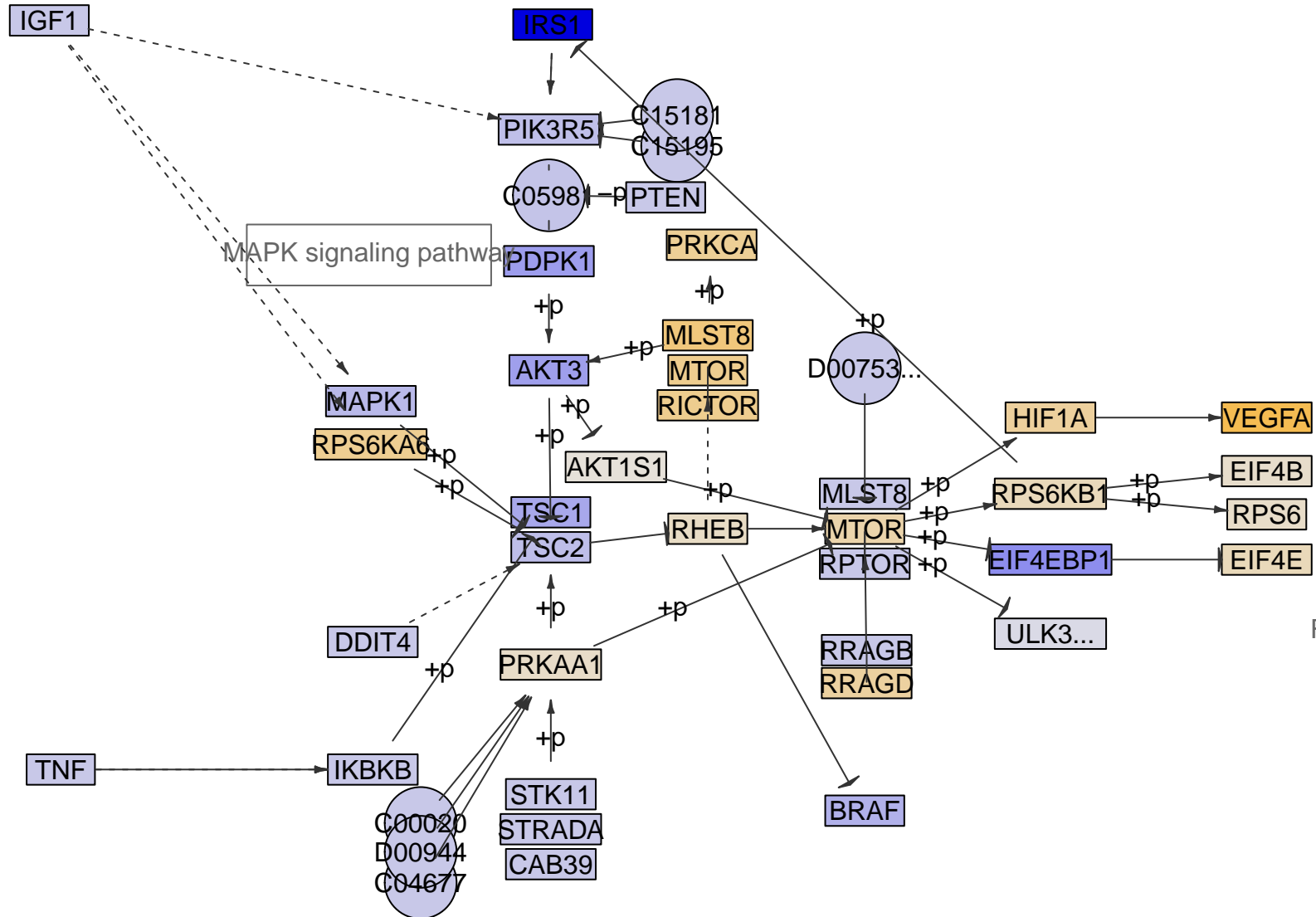
mTOR signaling pathway  
MPI-215

Insulin signaling pathway

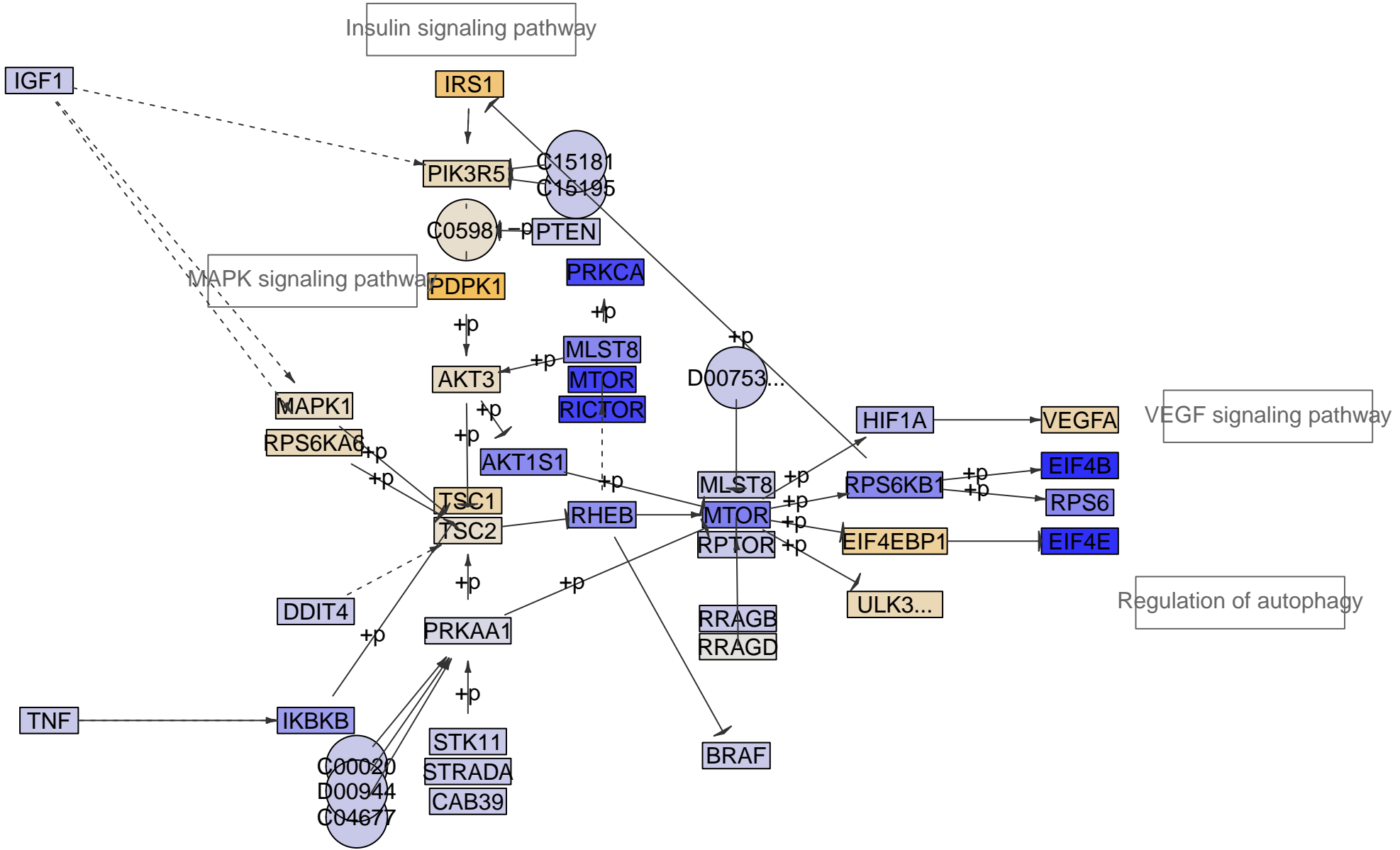
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-219





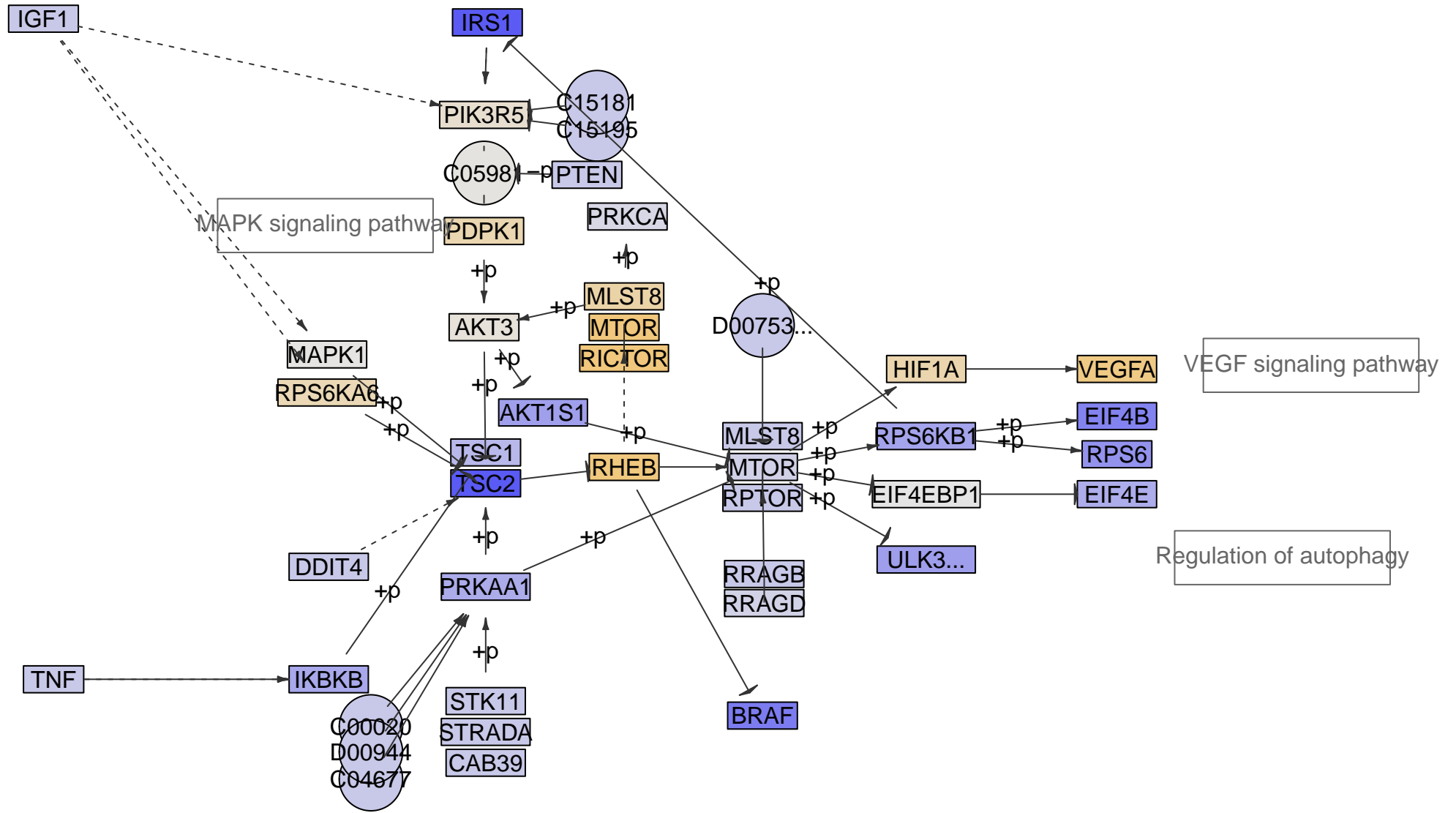
mTOR signaling pathway  
MPI-221

Insulin signaling pathway

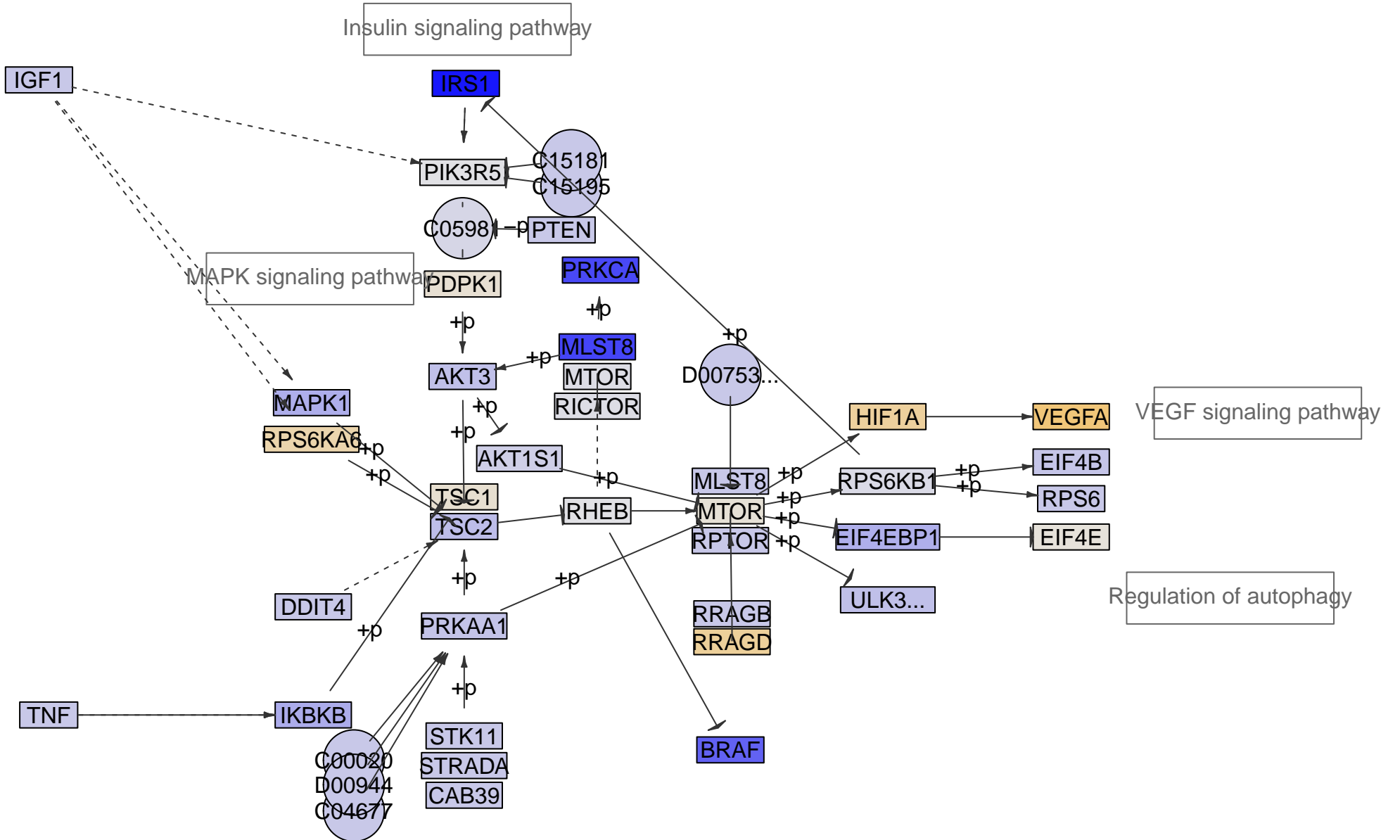
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-223a



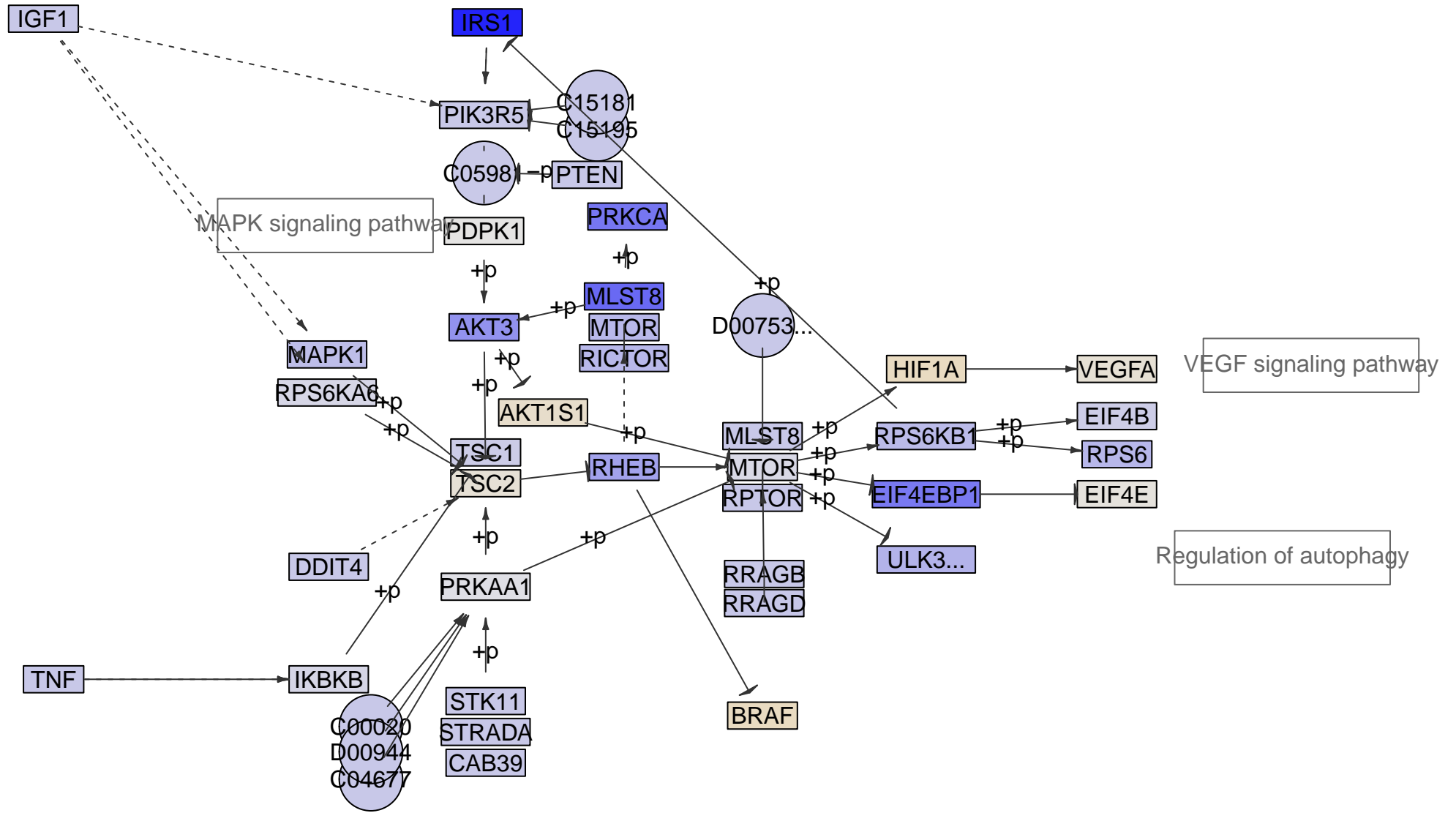
mTOR signaling pathway  
MPI-224

Insulin signaling pathway

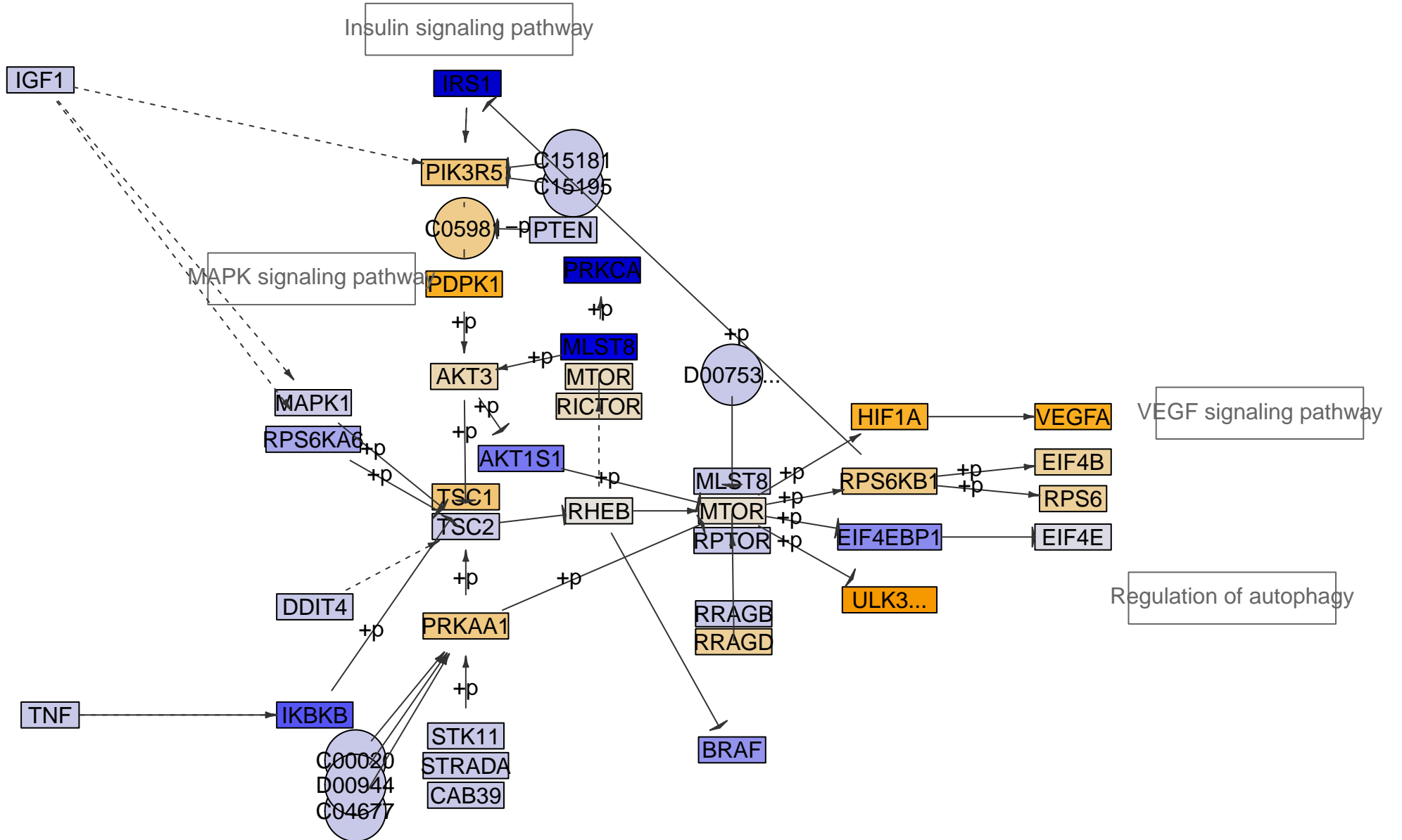
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-226



mTOR signaling pathway  
MPI-227

Insulin signaling pathway

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR

RICTOR

D00753...

MAPK1

RPS6KA6

HIF1A

VEGFA

VEGF signaling pathway

TSC1

TSC2

AKT1S1

RHEB

MLST8

MTOR

RPTOR

RPS6KB1

EIF4B

RPS6

EIF4EBP1

EIF4E

ULK3...

Regulation of autophagy

DDIT4

PRKAA1

RRAGB  
RRAGD

BRAF

TNF

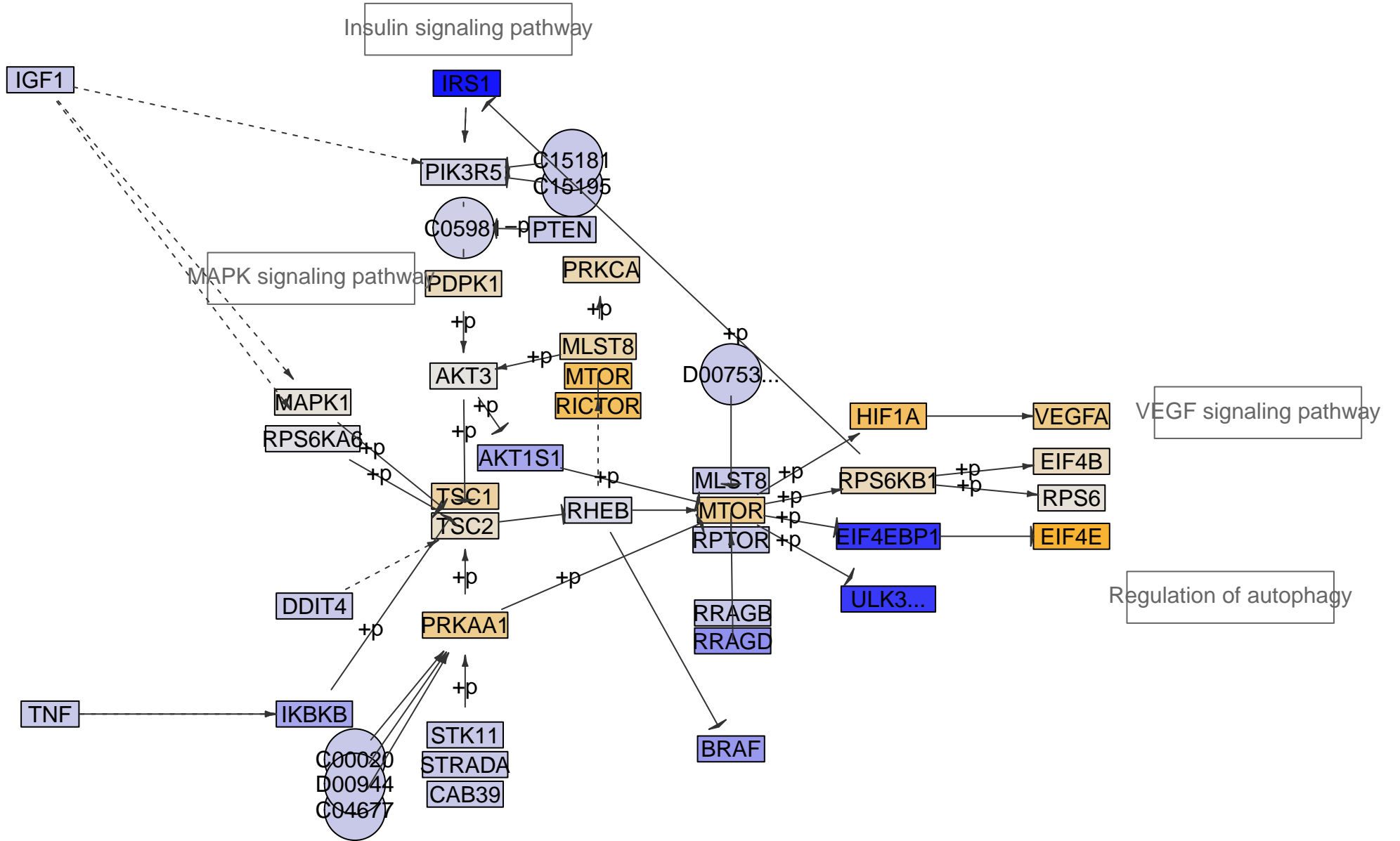
IKBKB

C00020  
D00944  
C04677

STK11

STRADA

CAB39



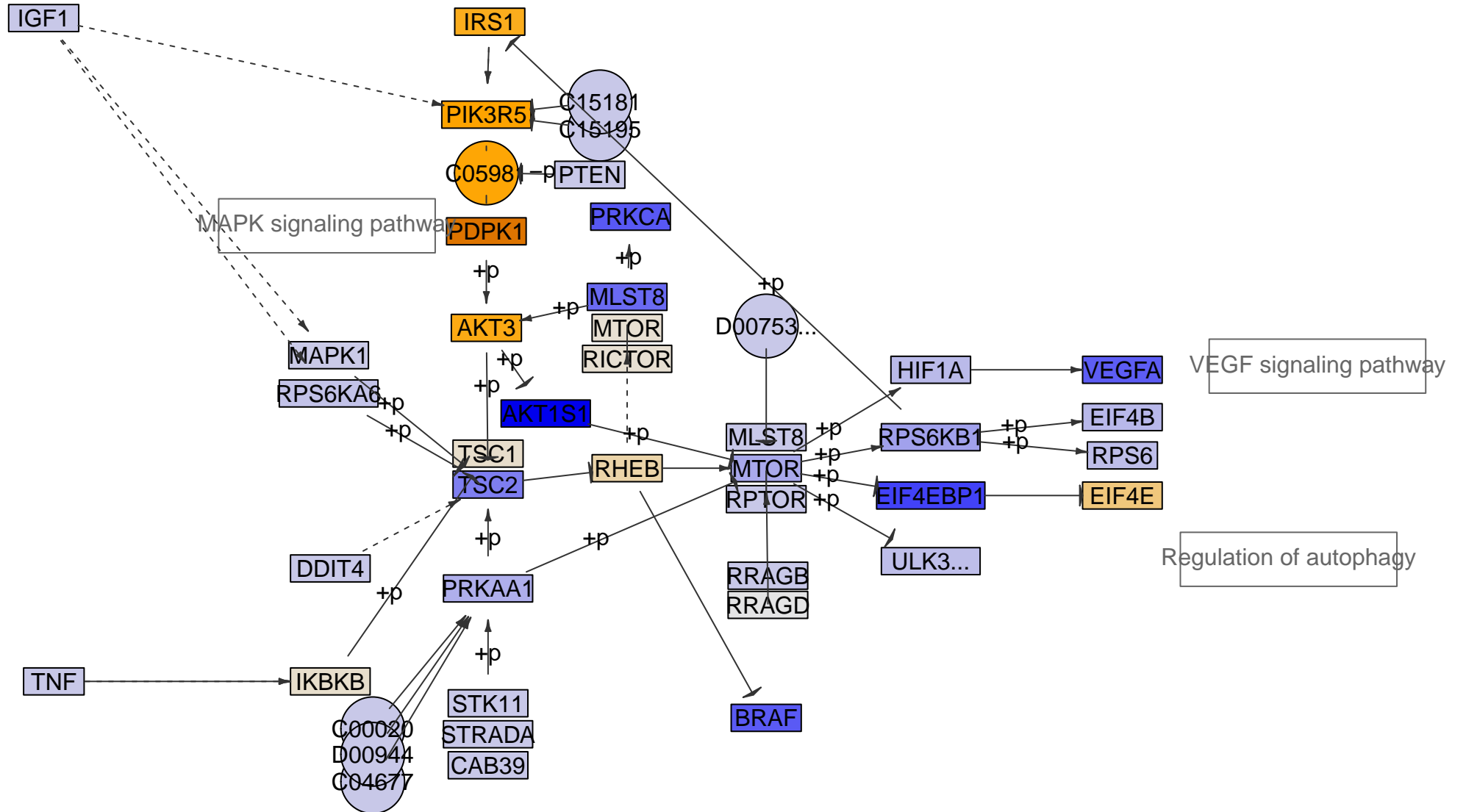
mTOR signaling pathway  
MPI-228

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



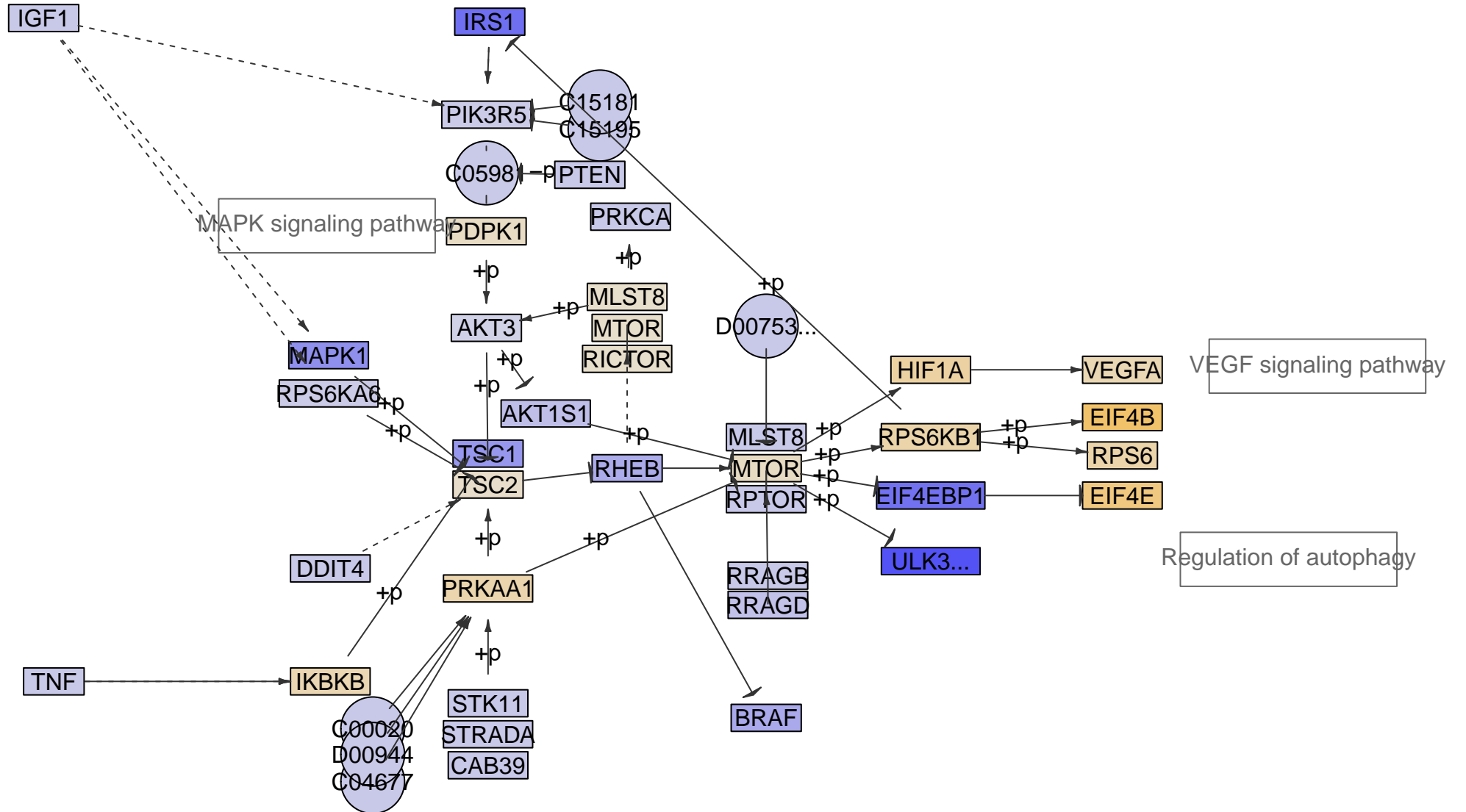
mTOR signaling pathway  
MPI-229

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



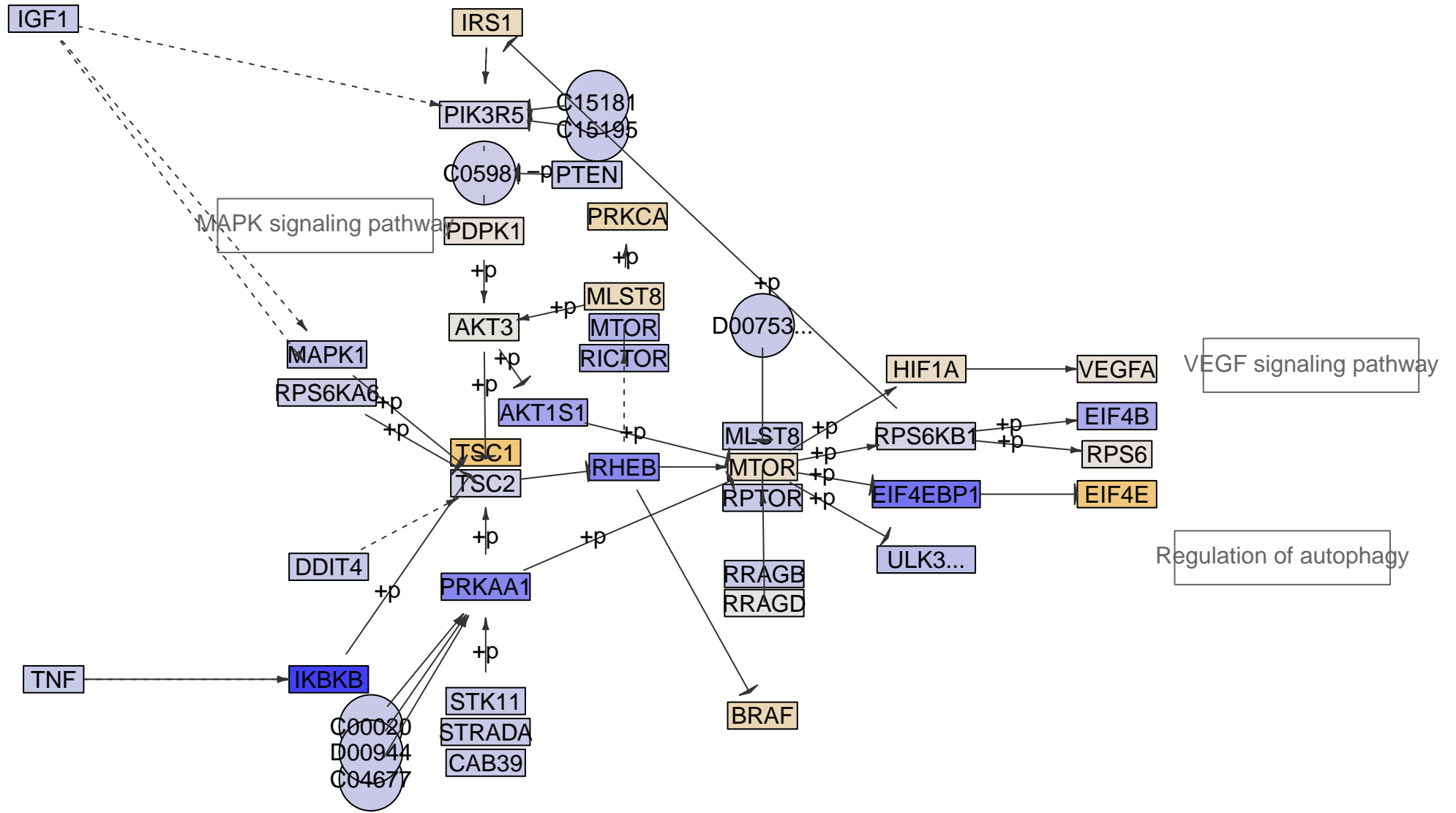
mTOR signaling pathway  
MPI-230

Insulin signaling pathway

MAPK signaling pathway

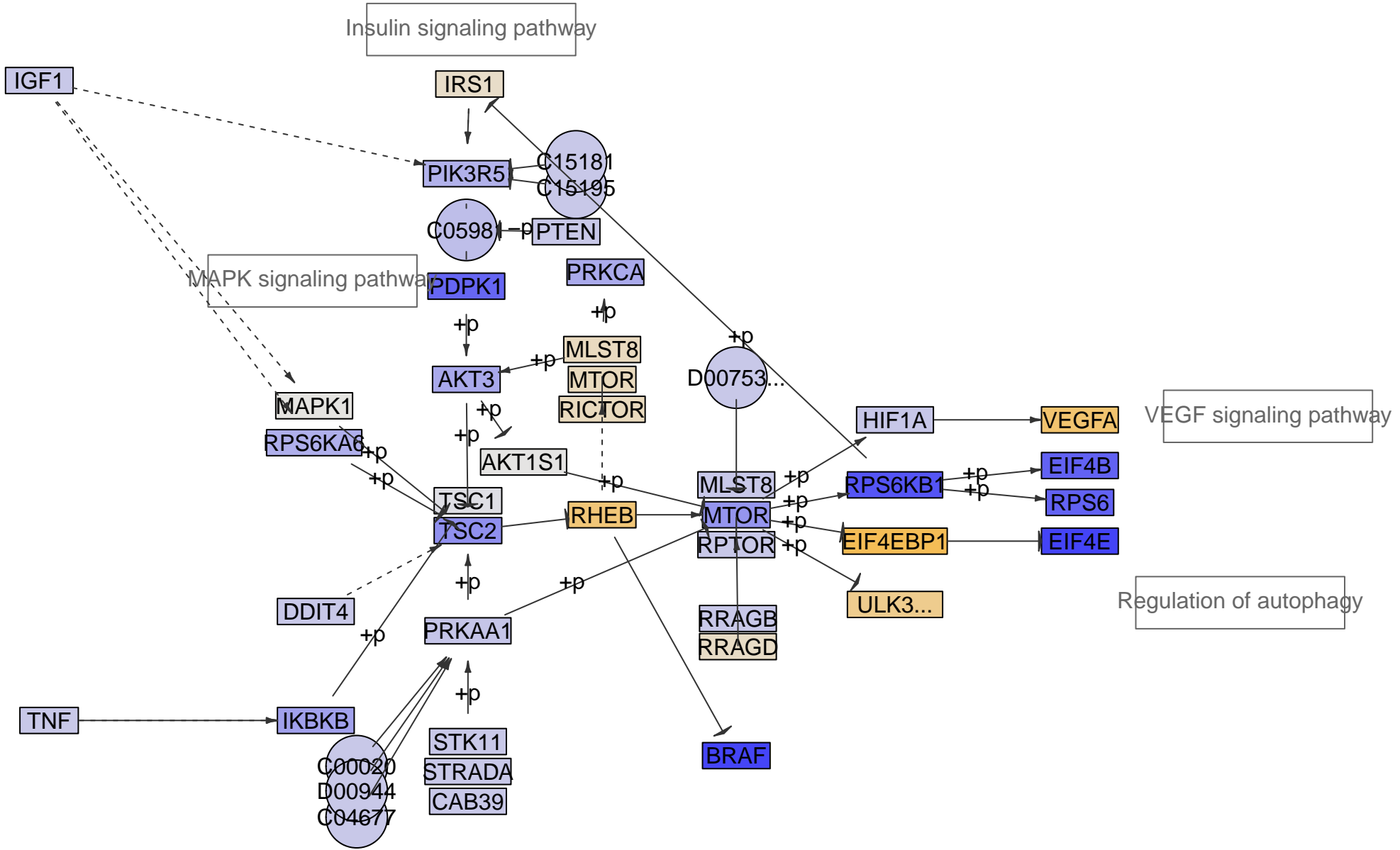
VEGF signaling pathway

Regulation of autophagy





mTOR signaling pathway  
MPI-231



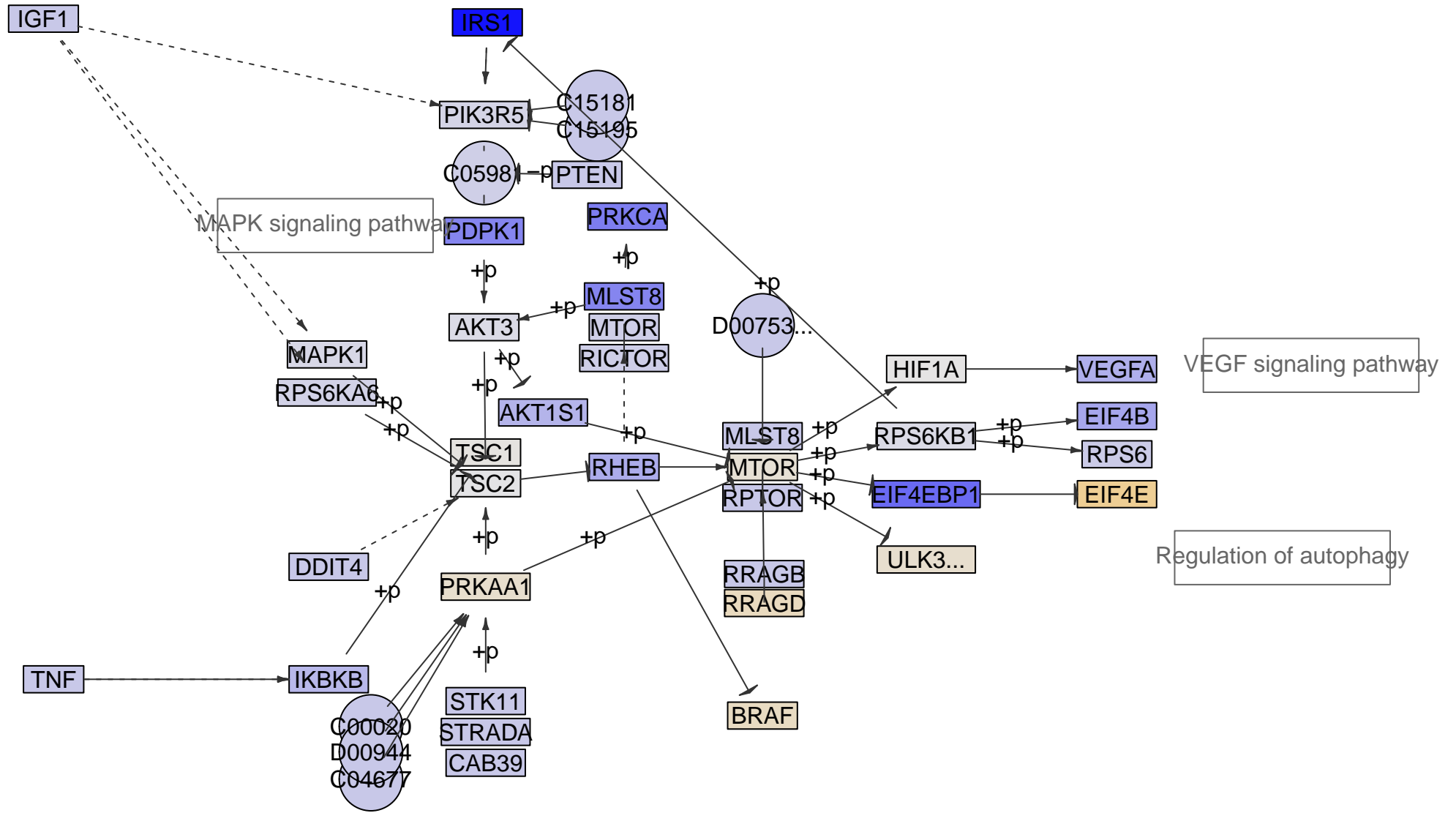
mTOR signaling pathway  
MPI-232

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



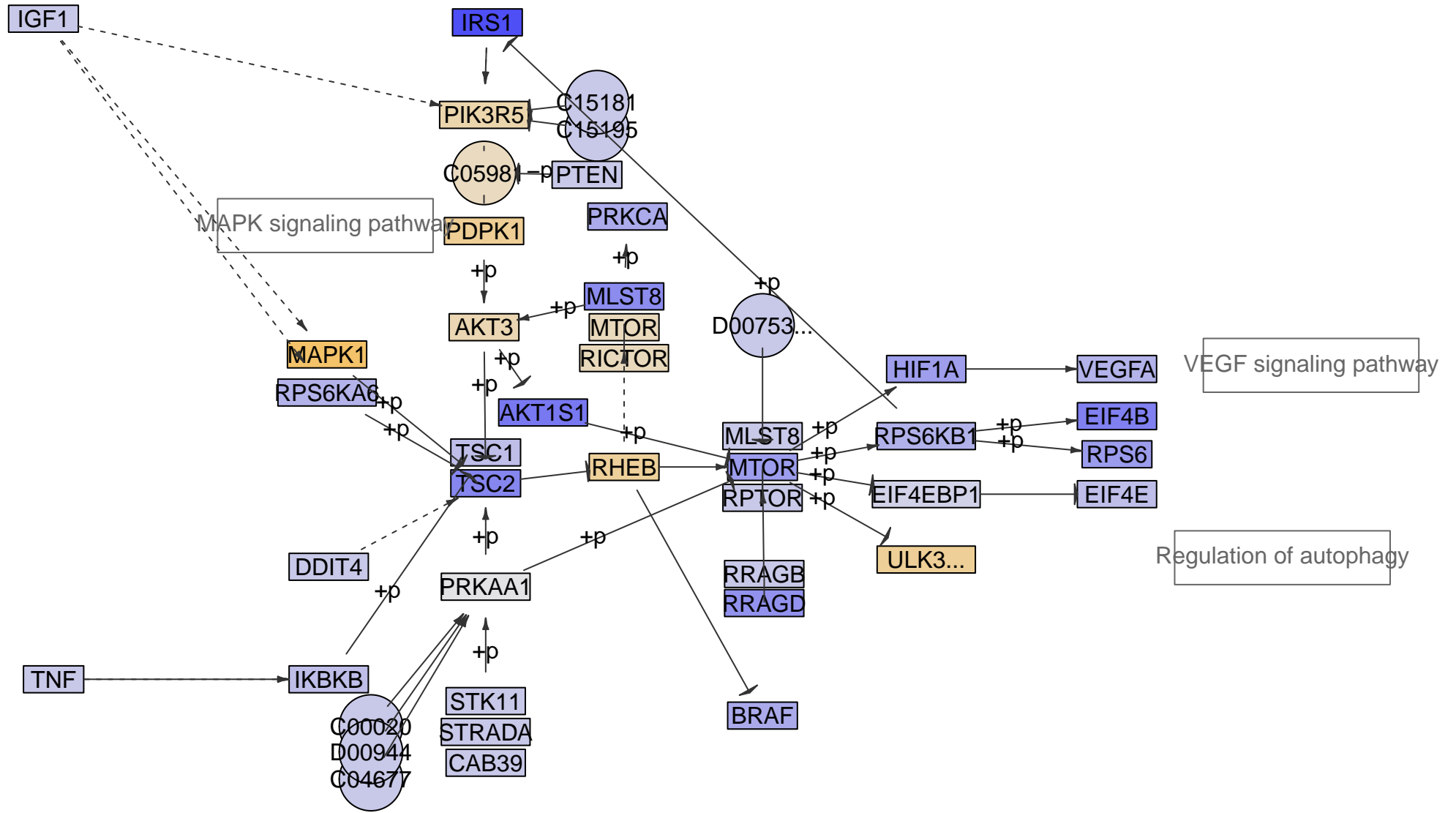
mTOR signaling pathway  
MPI-233

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



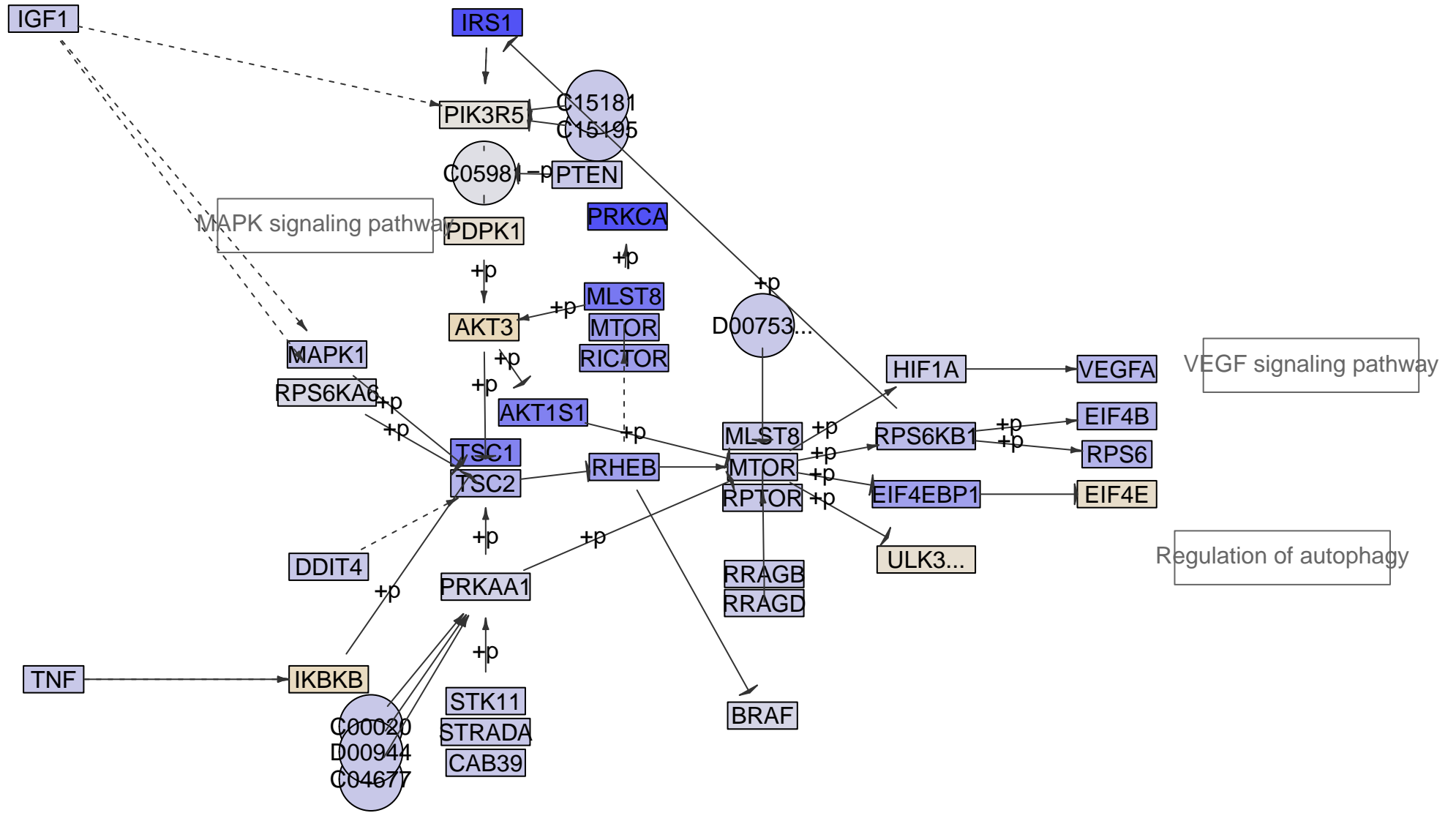
mTOR signaling pathway  
MPI-234

Insulin signaling pathway

MAPK signaling pathway

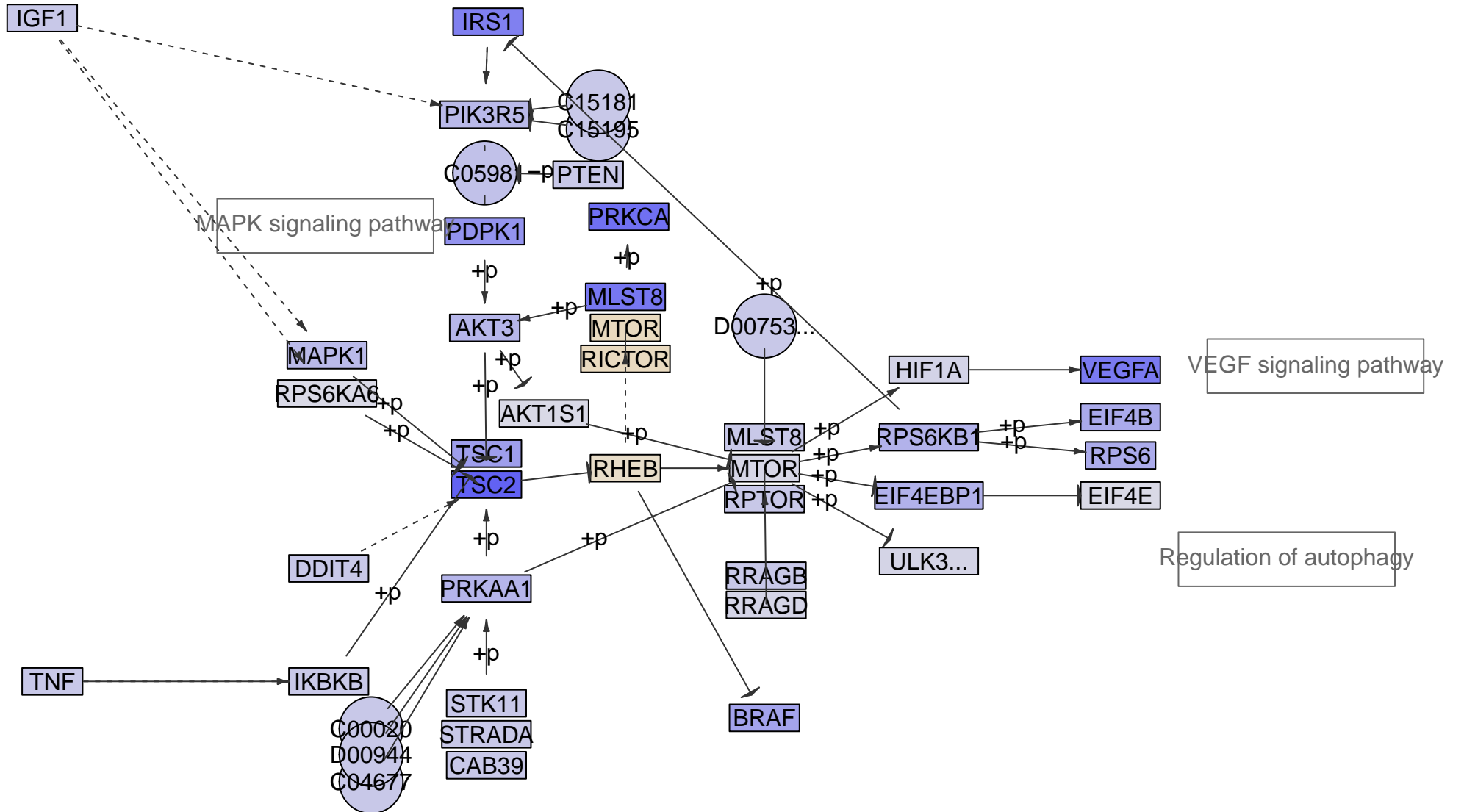
VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-235

Insulin signaling pathway



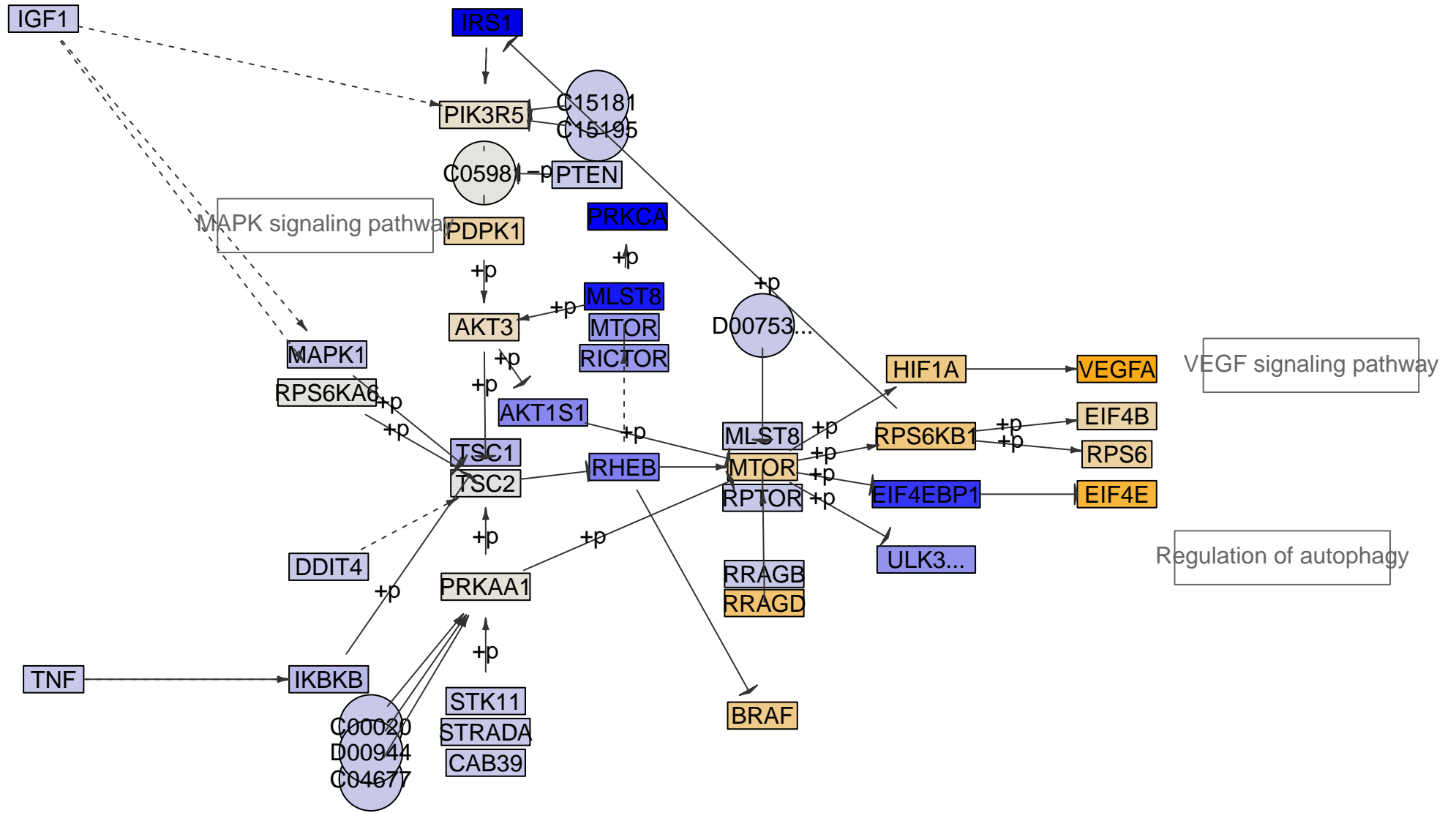
mTOR signaling pathway  
MPI-236

Insulin signaling pathway

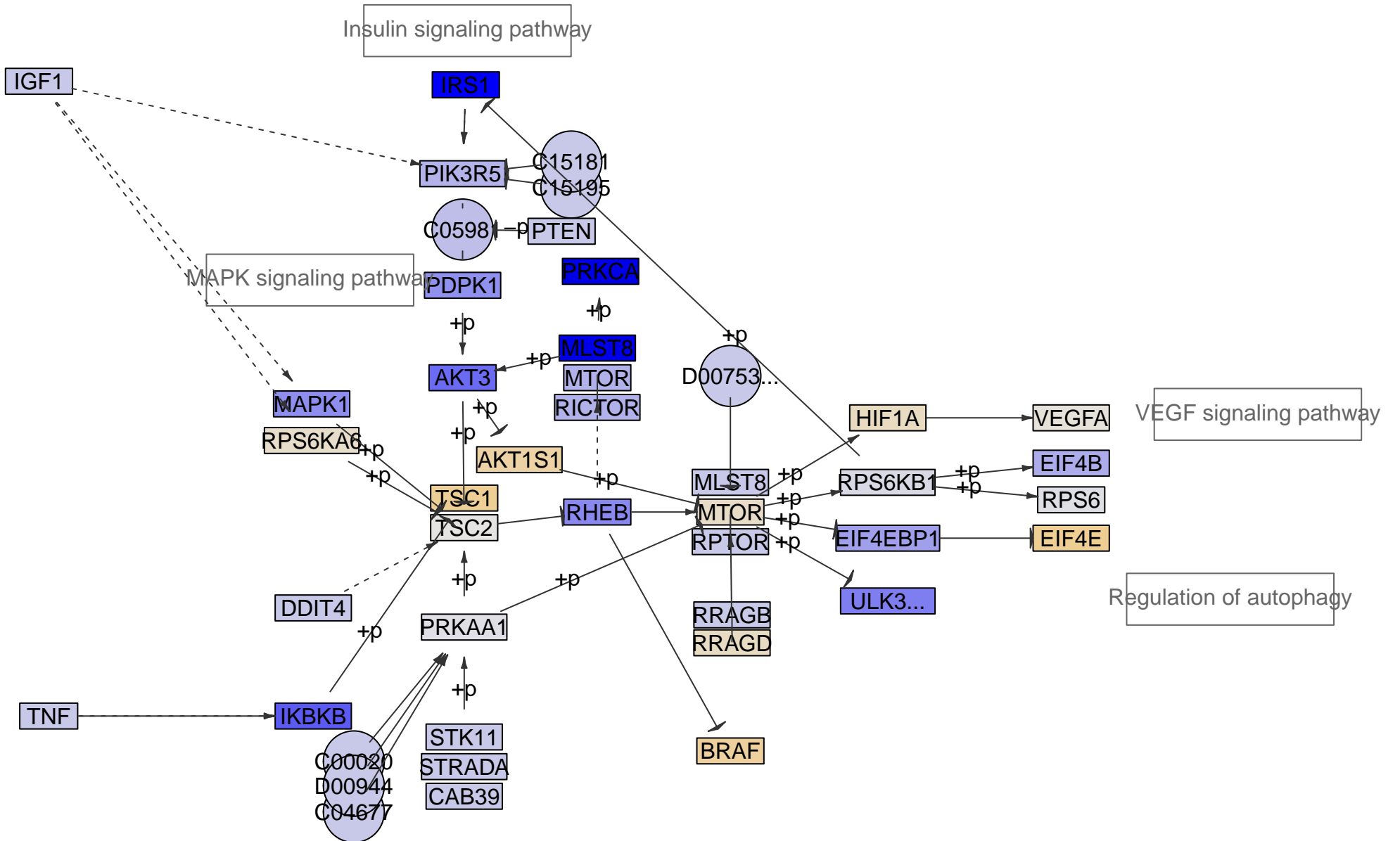
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-237



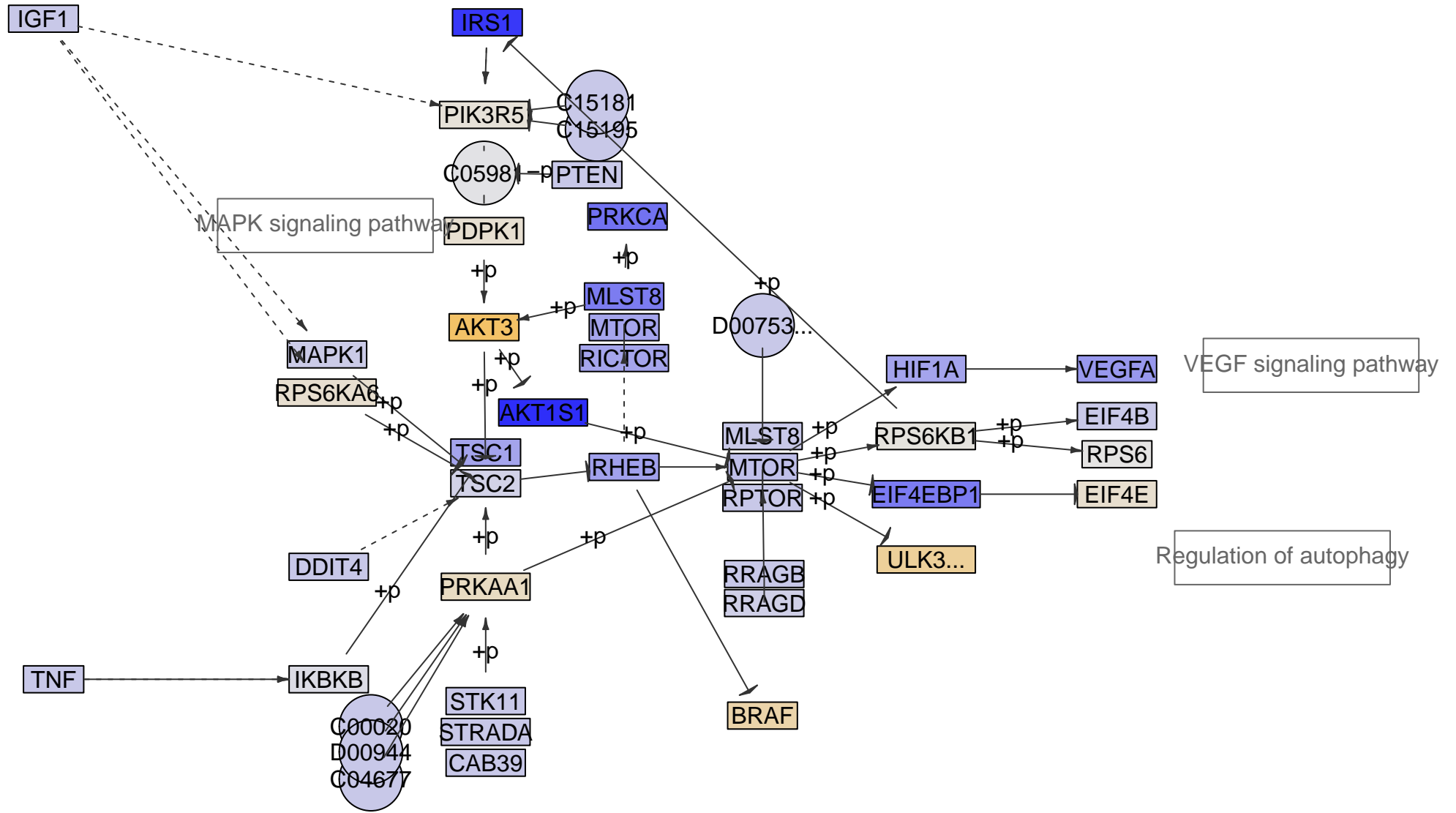
mTOR signaling pathway  
MPI-239

Insulin signaling pathway

MAPK signaling pathway

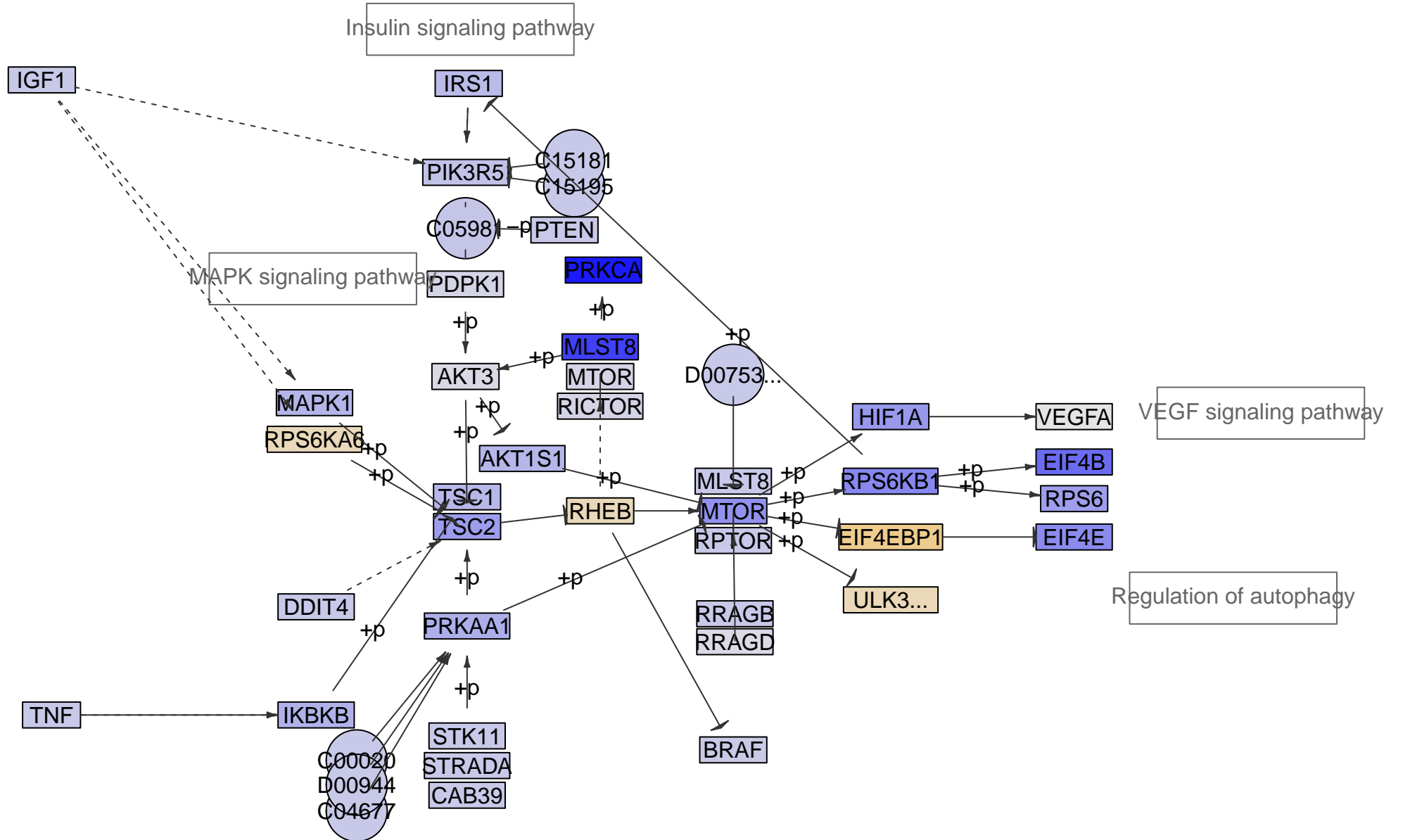
VEGF signaling pathway

Regulation of autophagy





mTOR signaling pathway  
MPI-241



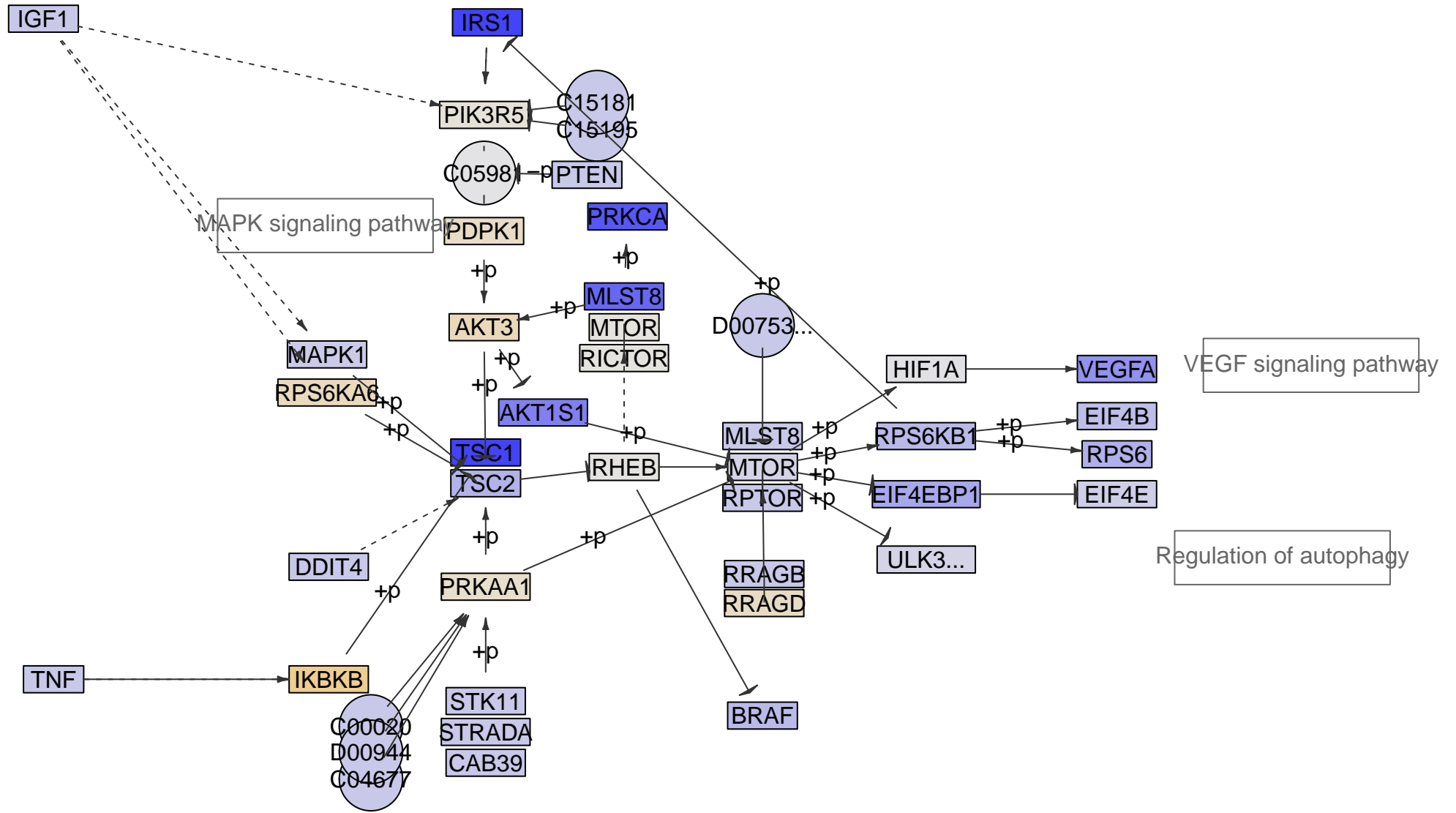
mTOR signaling pathway  
MPI-243

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



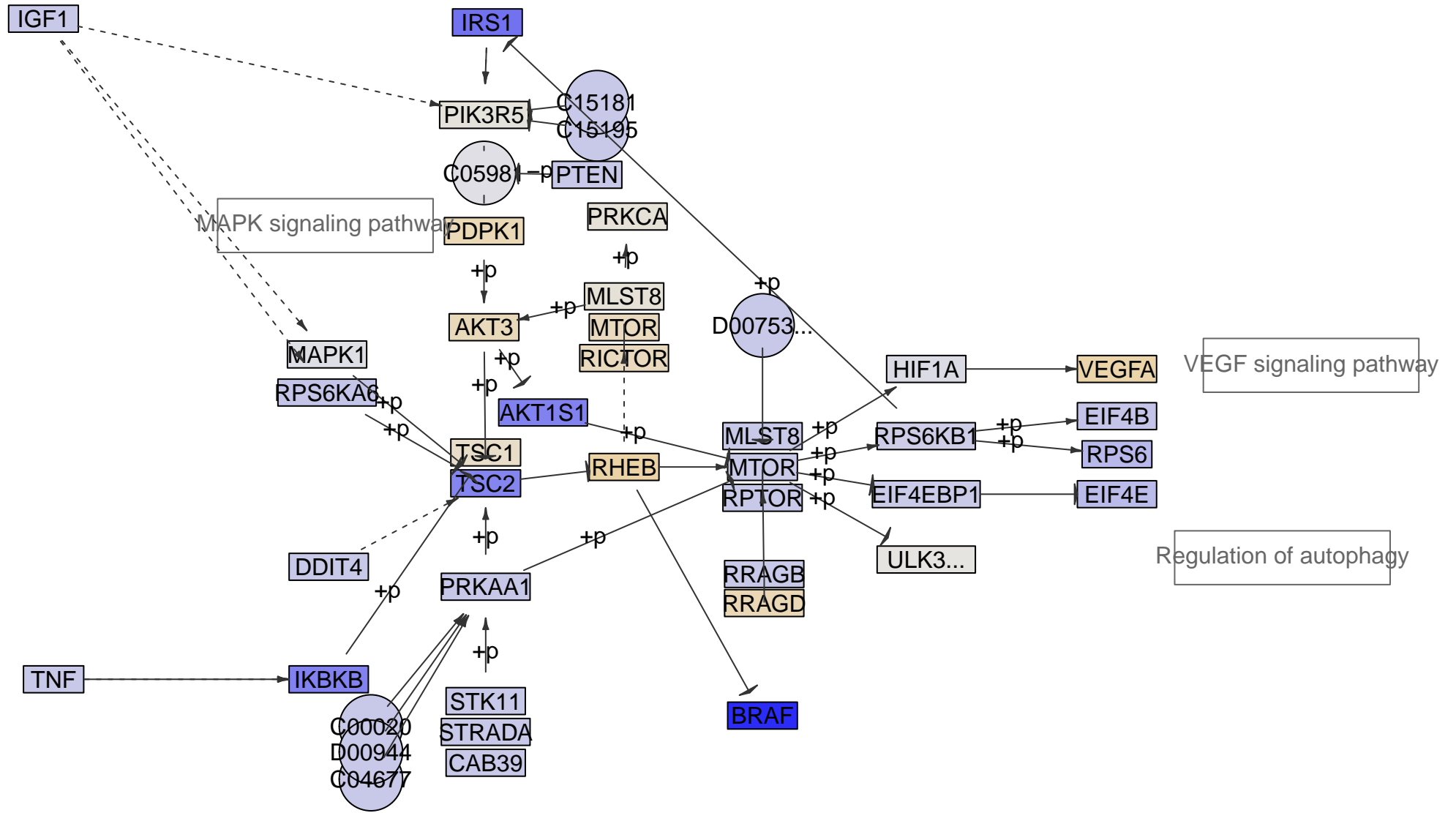
mTOR signaling pathway  
MPI-244

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



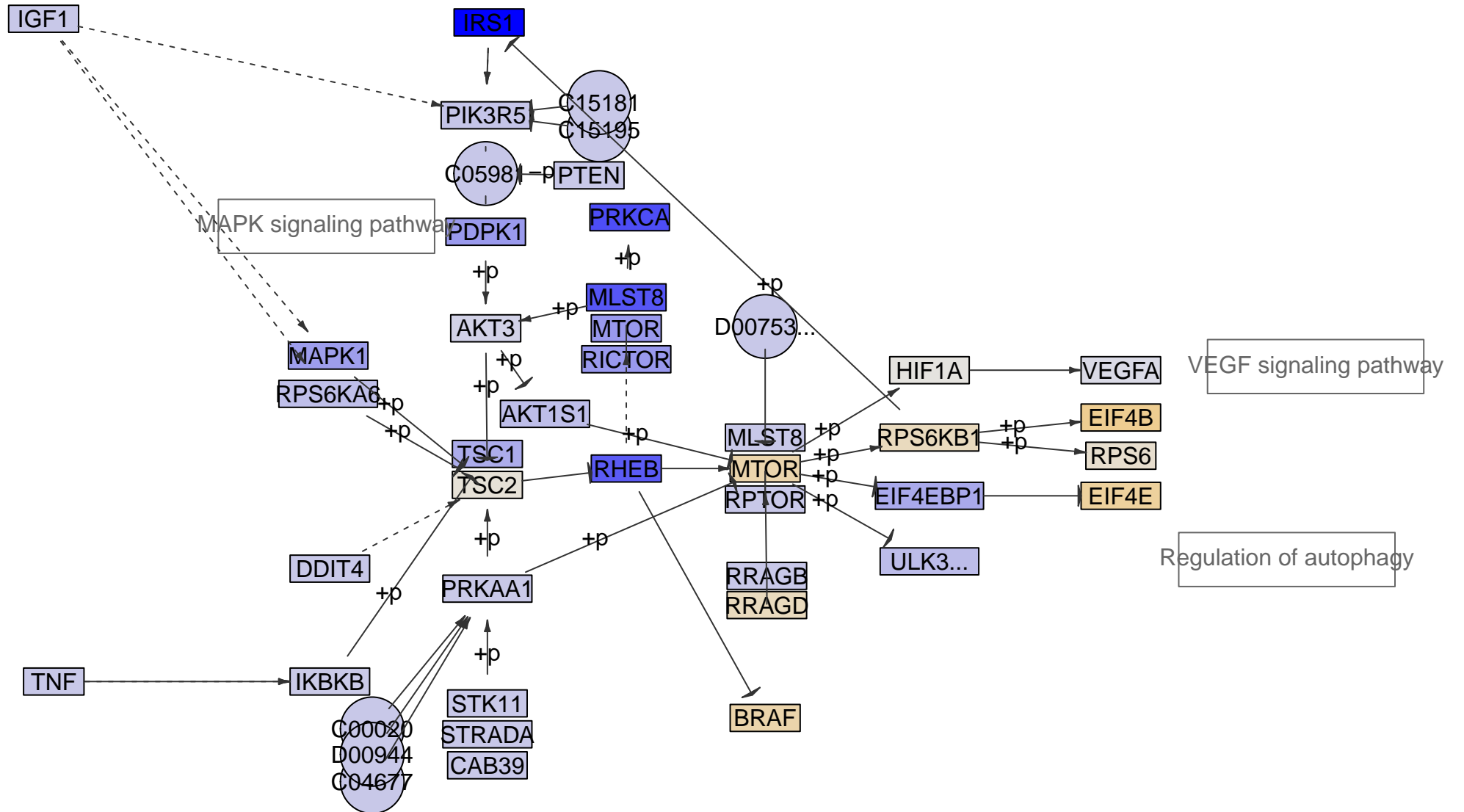
mTOR signaling pathway  
MPI-246

Insulin signaling pathway

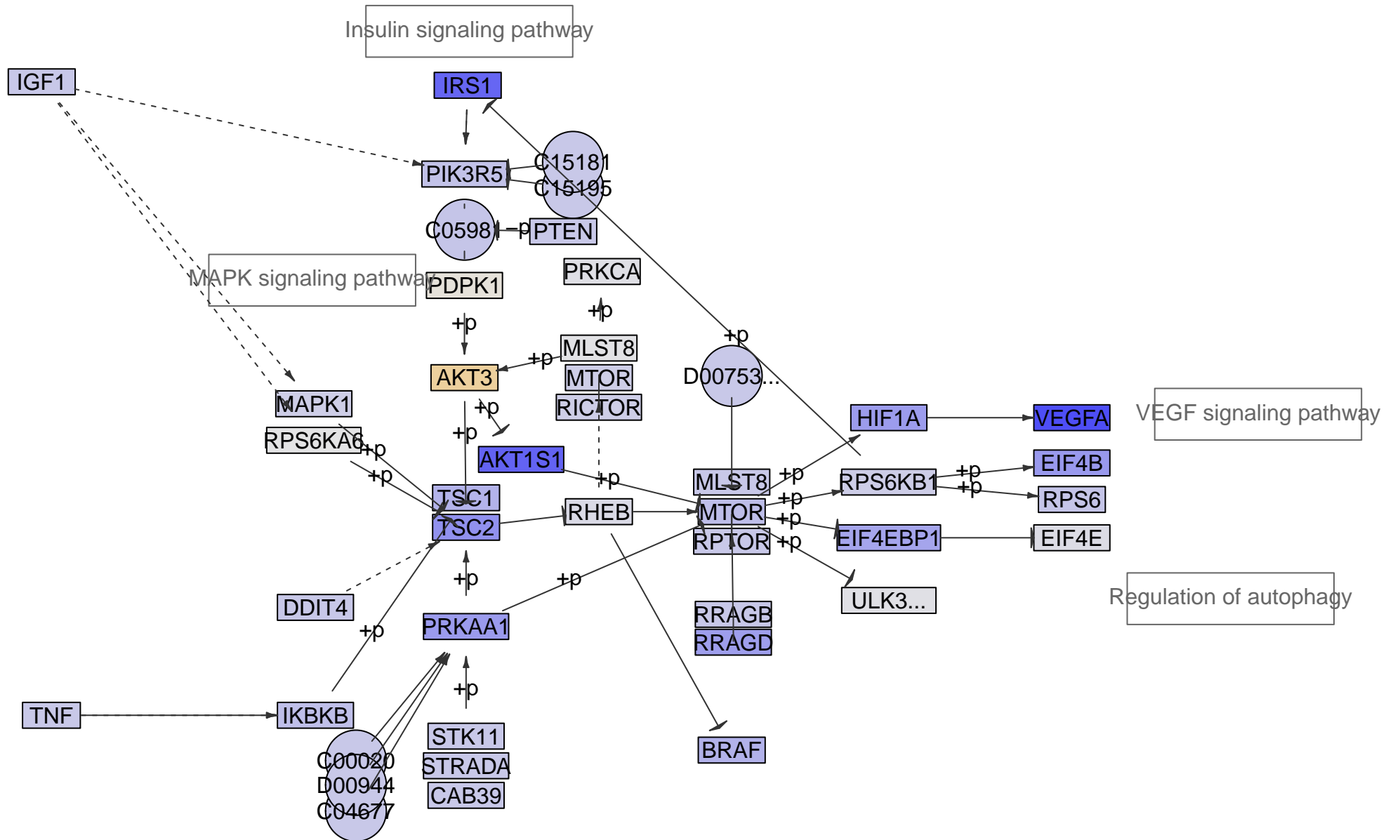
MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-247



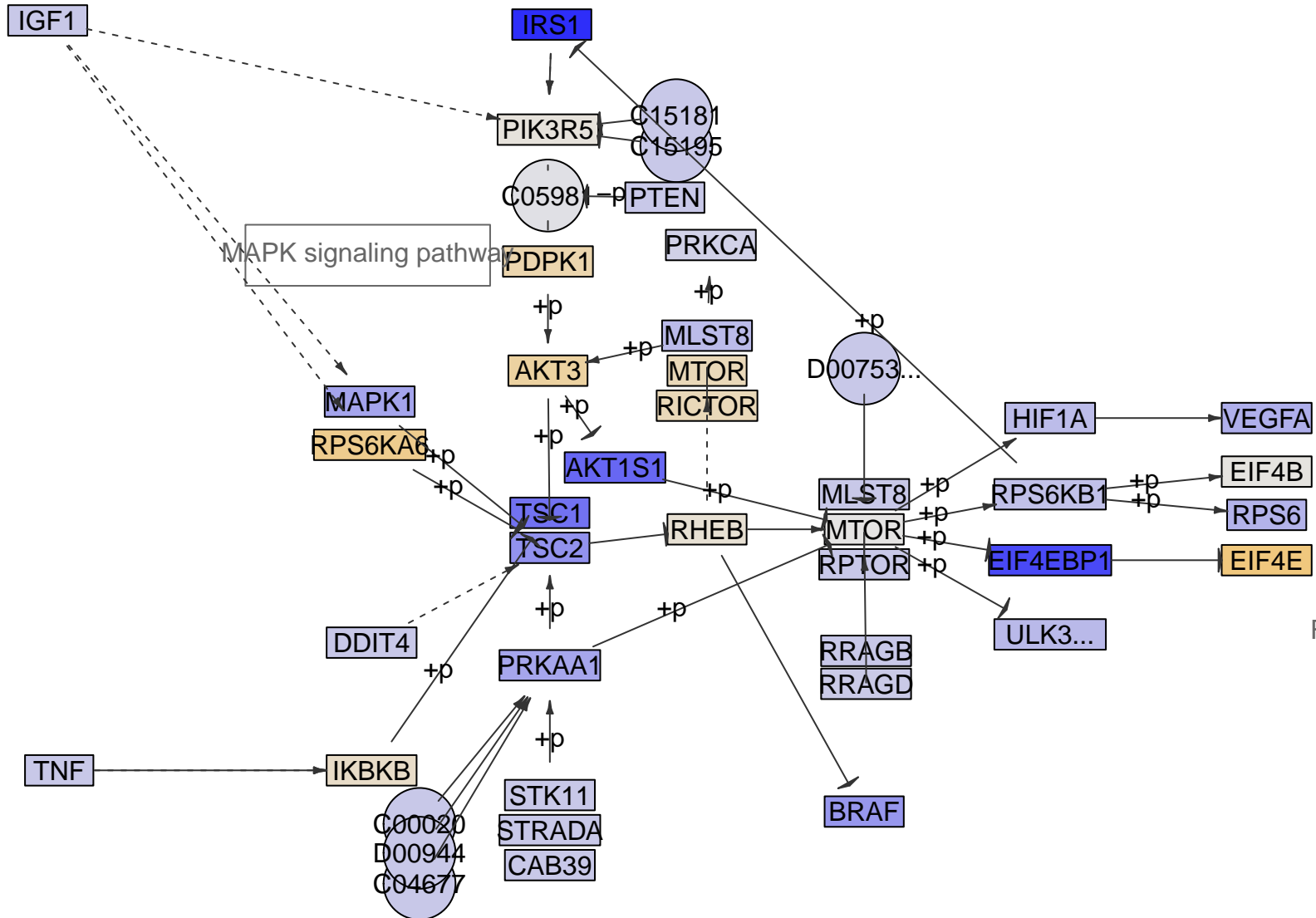
mTOR signaling pathway  
MPI-251

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



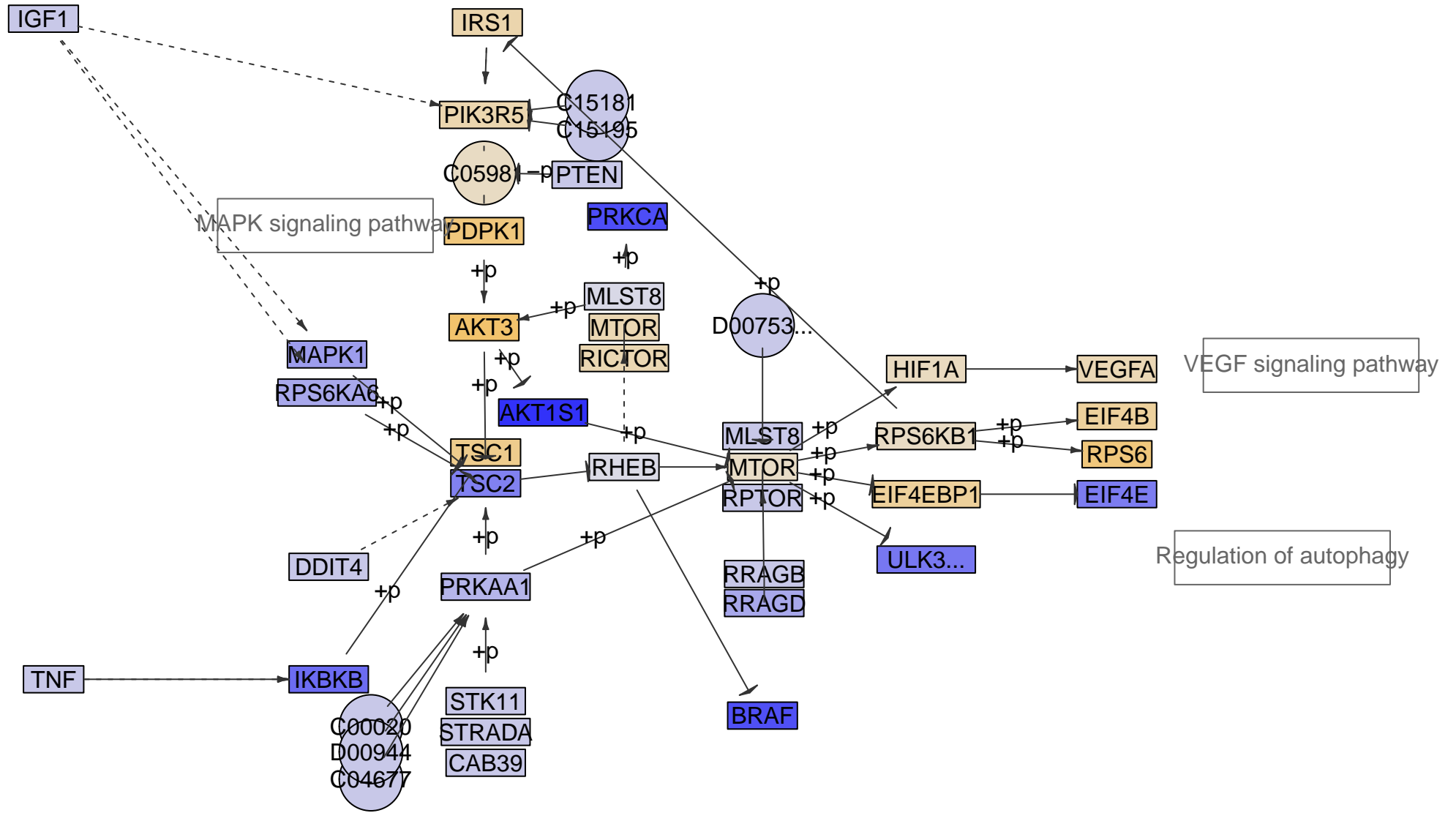
mTOR signaling pathway  
MPI-255

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy



mTOR signaling pathway  
MPI-223b

Insulin signaling pathway

MAPK signaling pathway

VEGF signaling pathway

Regulation of autophagy

IGF1

IRS1

PIK3R5

C15181  
C15195

C0598

PTEN

PDPK1

PRKCA

AKT3

MLST8

MTOR

RICTOR

D00753...

MAPK1

RPS6KA6

TSC1

TSC2

AKT1S1

RHEB

MLST8

MTOR

RPTOR

HIF1A

VEGFA

RPS6KB1

EIF4B

RPS6

EIF4EBP1

EIF4E

ULK3...

DDIT4

PRKAA1

RRAGB

RRAGD

TNF

IKBKB

STK11

STRADA

CAB39

C00020

D00944

C04677

BRAF