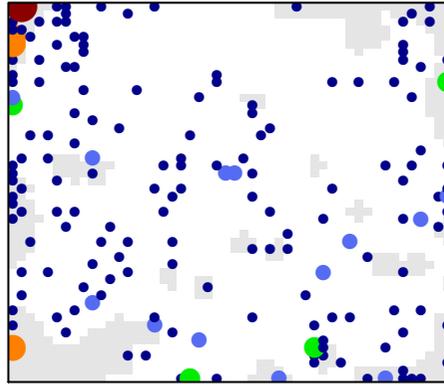
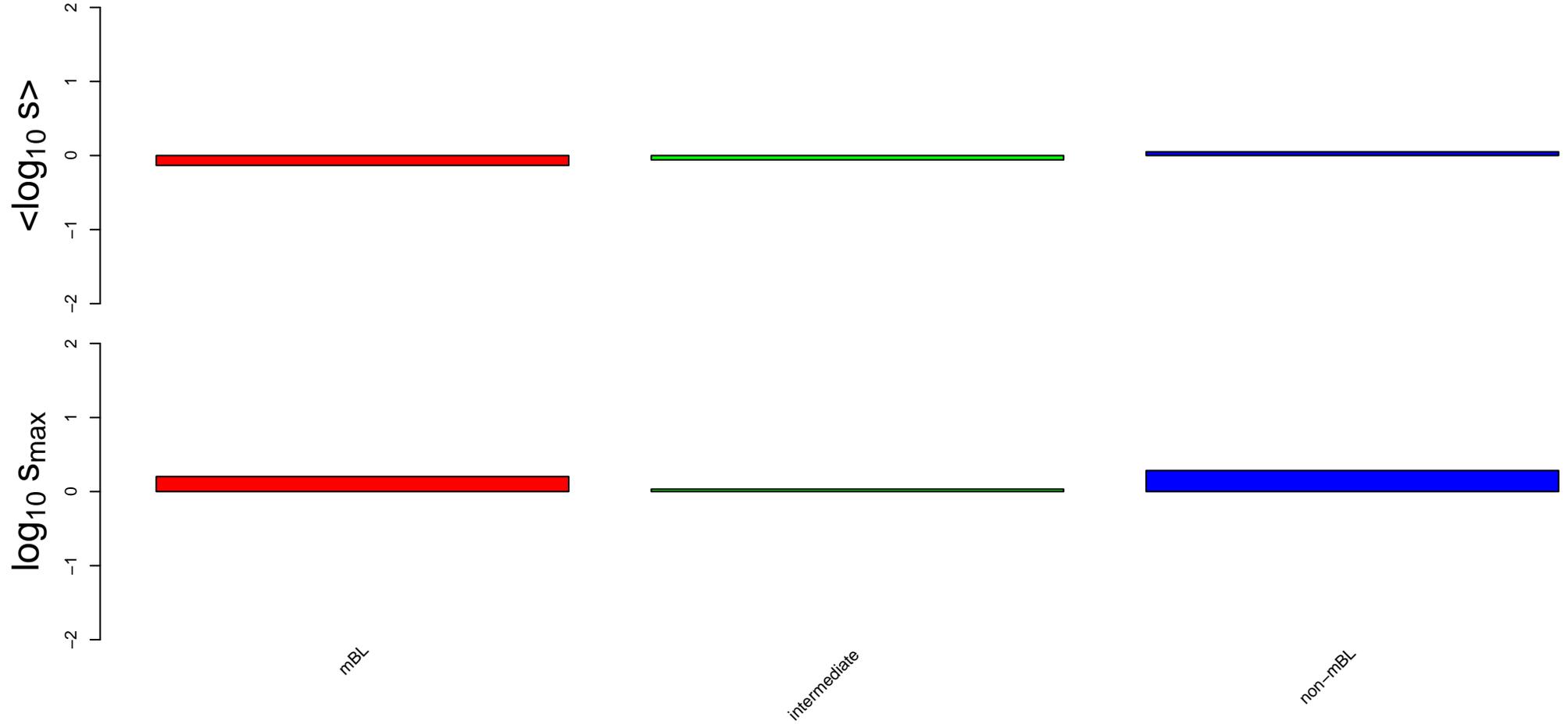
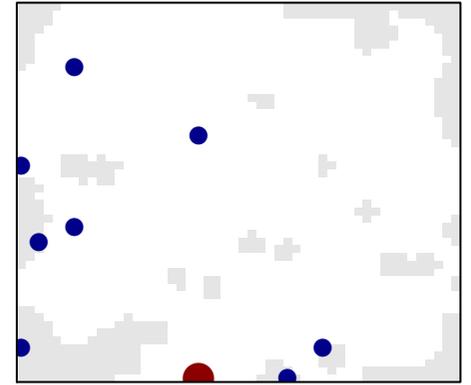


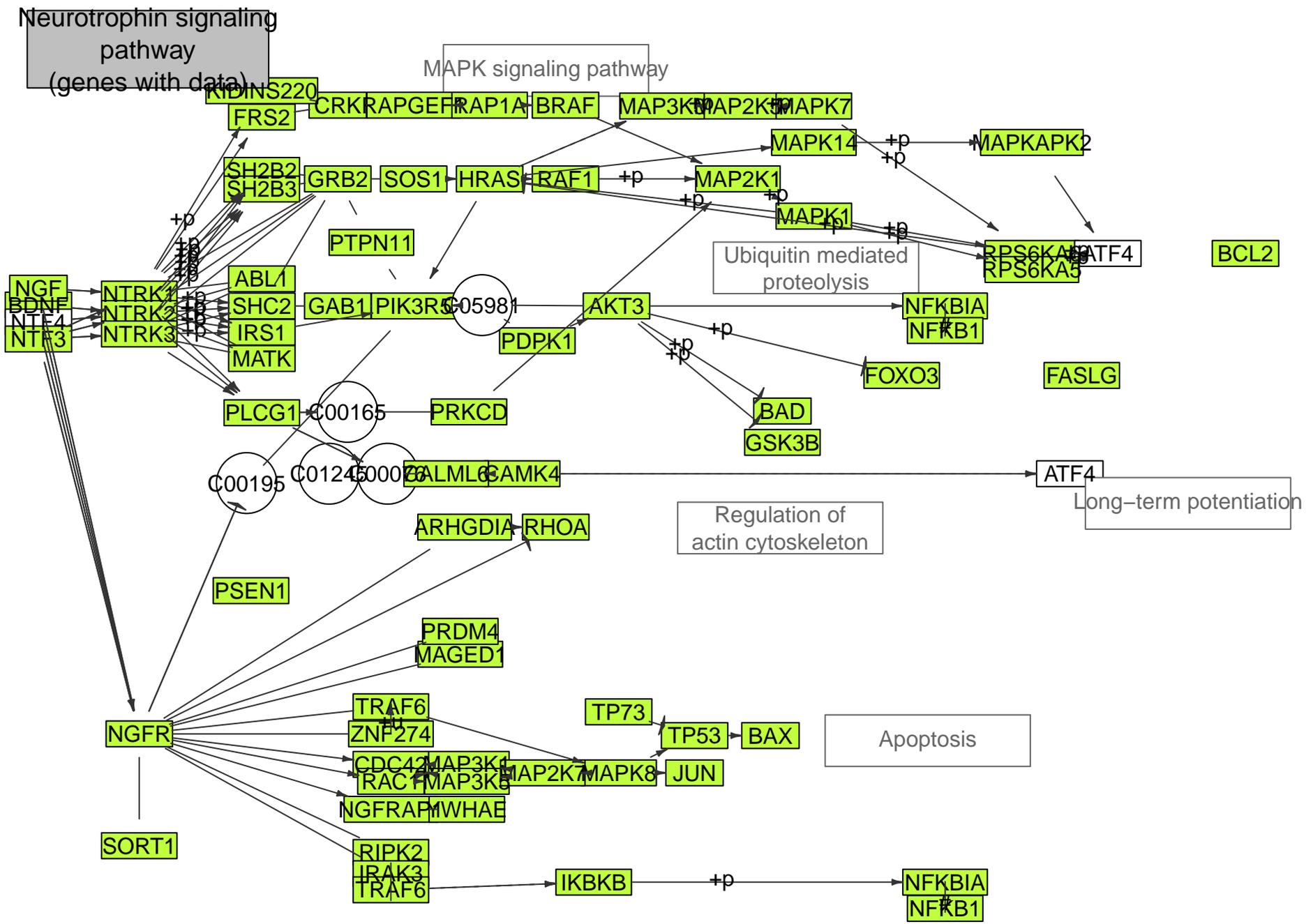
Neurotrophin signaling pathway

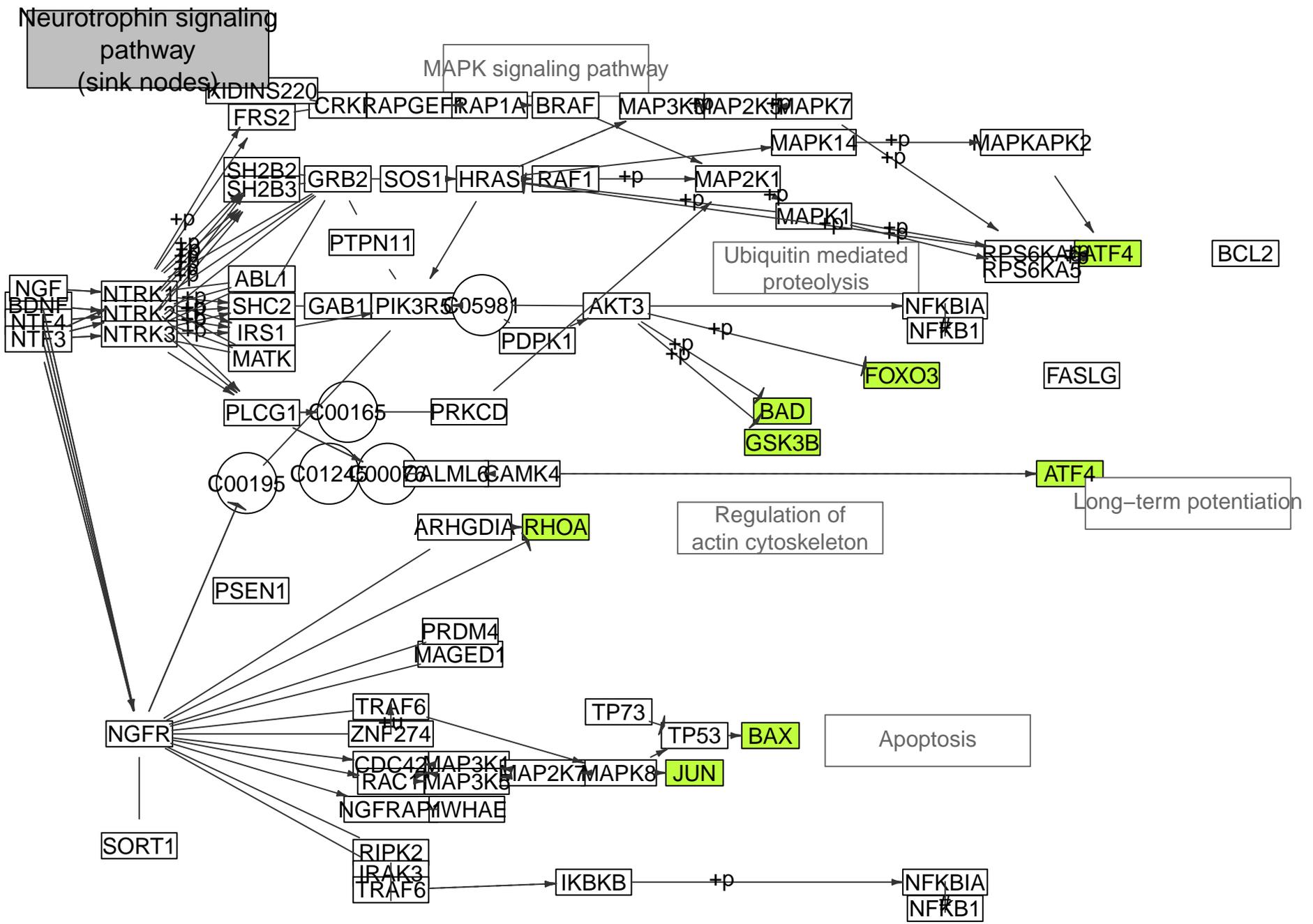
all genes



sink node genes







Neurotrophin signaling pathway (sink nodes)

MAPK signaling pathway

Ubiquitin mediated proteolysis

Regulation of actin cytoskeleton

Apoptosis

Long-term potentiation

NGF
BDNF
NTF4
NTF3

NGFR

SORT1

NTRK1
NTRK2
NTRK3

PLCG1

C00195

PSEN1

C00165

PRDM4
MAGED1

TRAF6
ZNF274

CDC42
RAC1

NGFRAP1
WHAE

RIPK2
IRAK3
TRAF6

ABL1
SHC2
IRS1
MATK

GAB1

C0124

C00026

ARHGDI1

TP73

TP53

TP53

IKBKB

KIDINS220
FRS2

C00165

C0124

C00026

ARHGDI1

TP73

TP53

TP53

IKBKB

CRK
RAPGEF1A
BRAF

PRKCD

C00165

ARHGDI1

TP73

TP53

TP53

IKBKB

SH2B2
SH2B3

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

GRB2

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

SOS1

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

HRAS

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

RAF1

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

MAP3K1

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

MAP2K1

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

MAPK1

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

MAPK14

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

MAPKAPK2

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

RPS6KA4
RPS6KA5

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

NFKBIA
NFKB1

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

FOXO3

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

BAD
GSK3B

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

ATF4

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

BAX

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

JUN

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

FASLG

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

BCL2

PIK3R5

C0124

ARHGDI1

TP73

TP53

TP53

IKBKB

