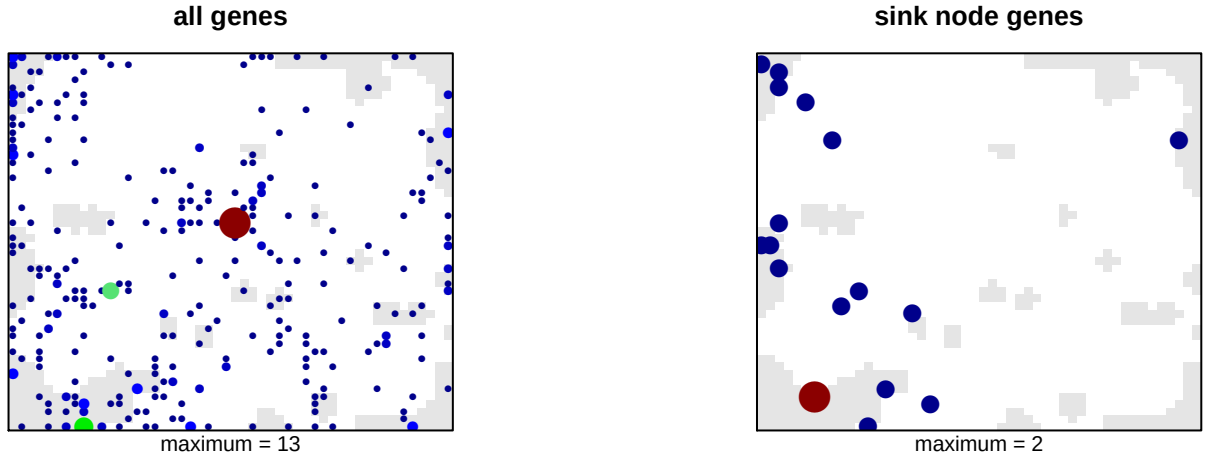
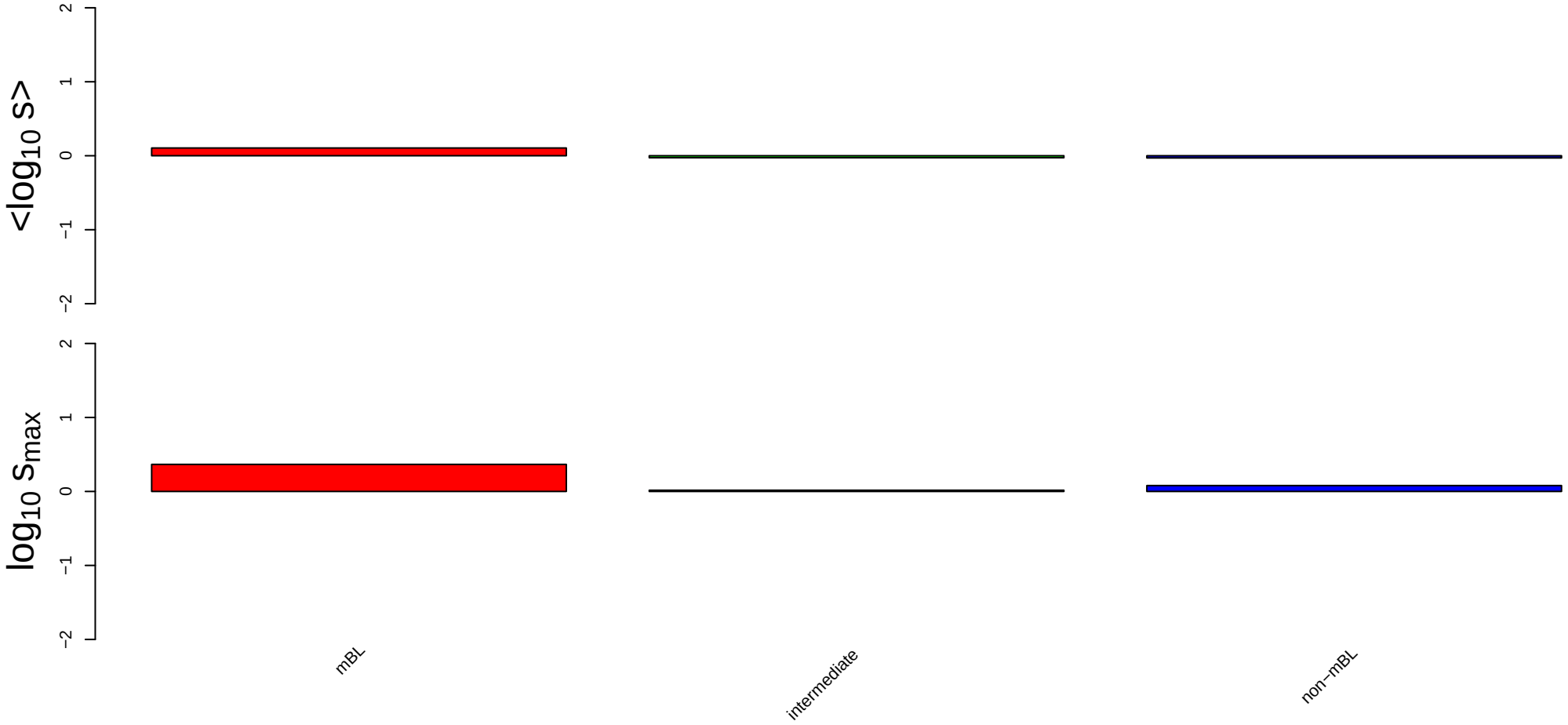
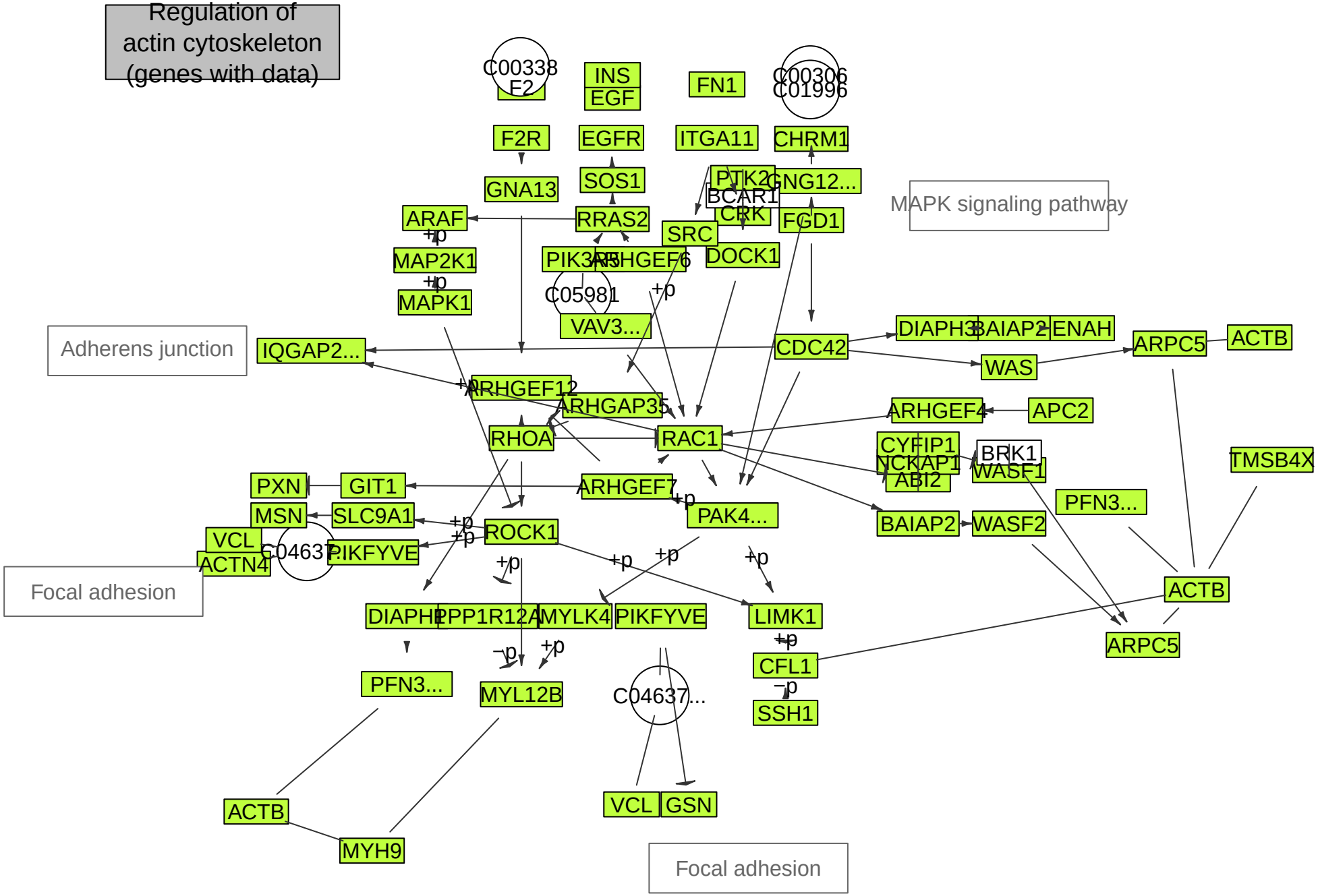
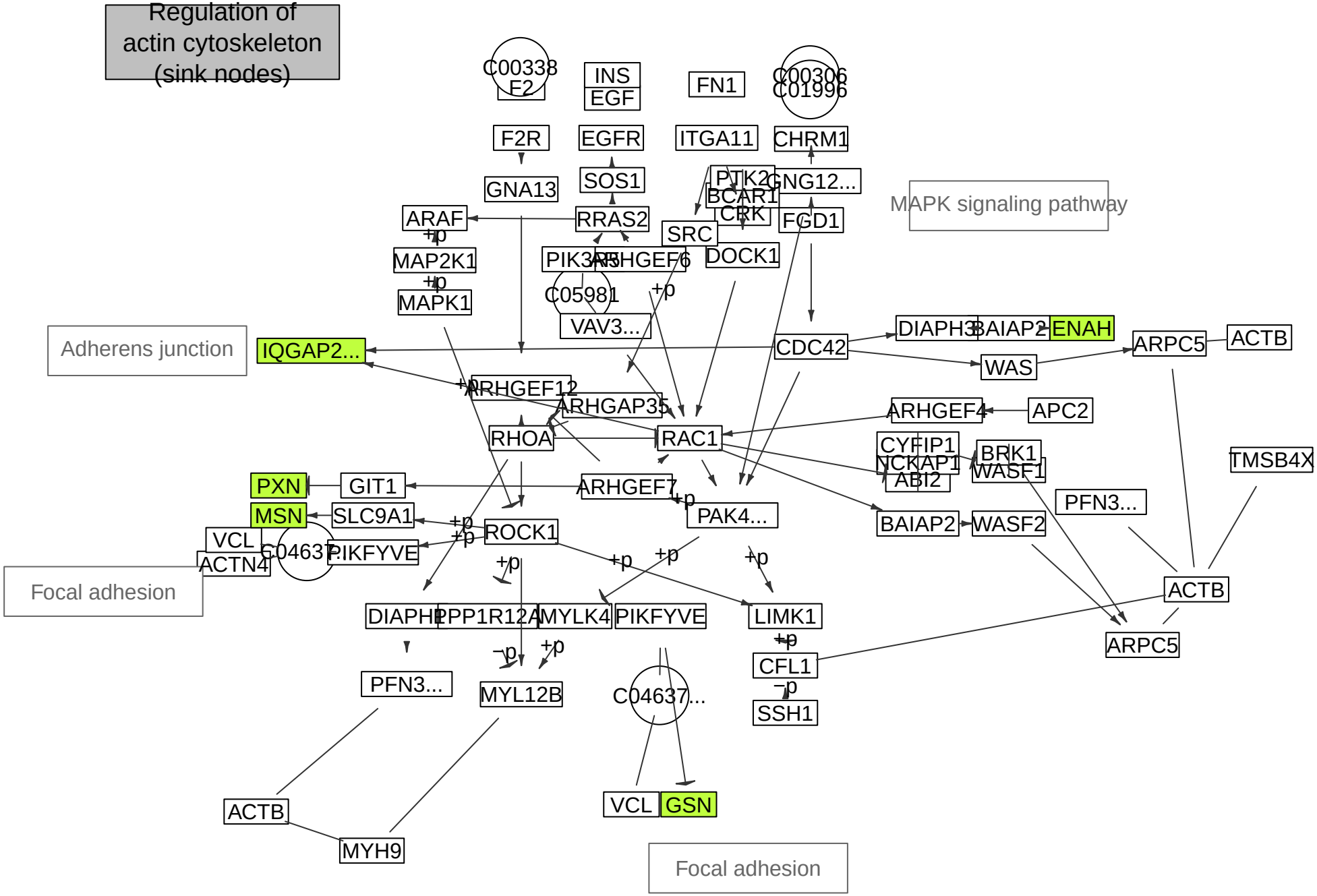
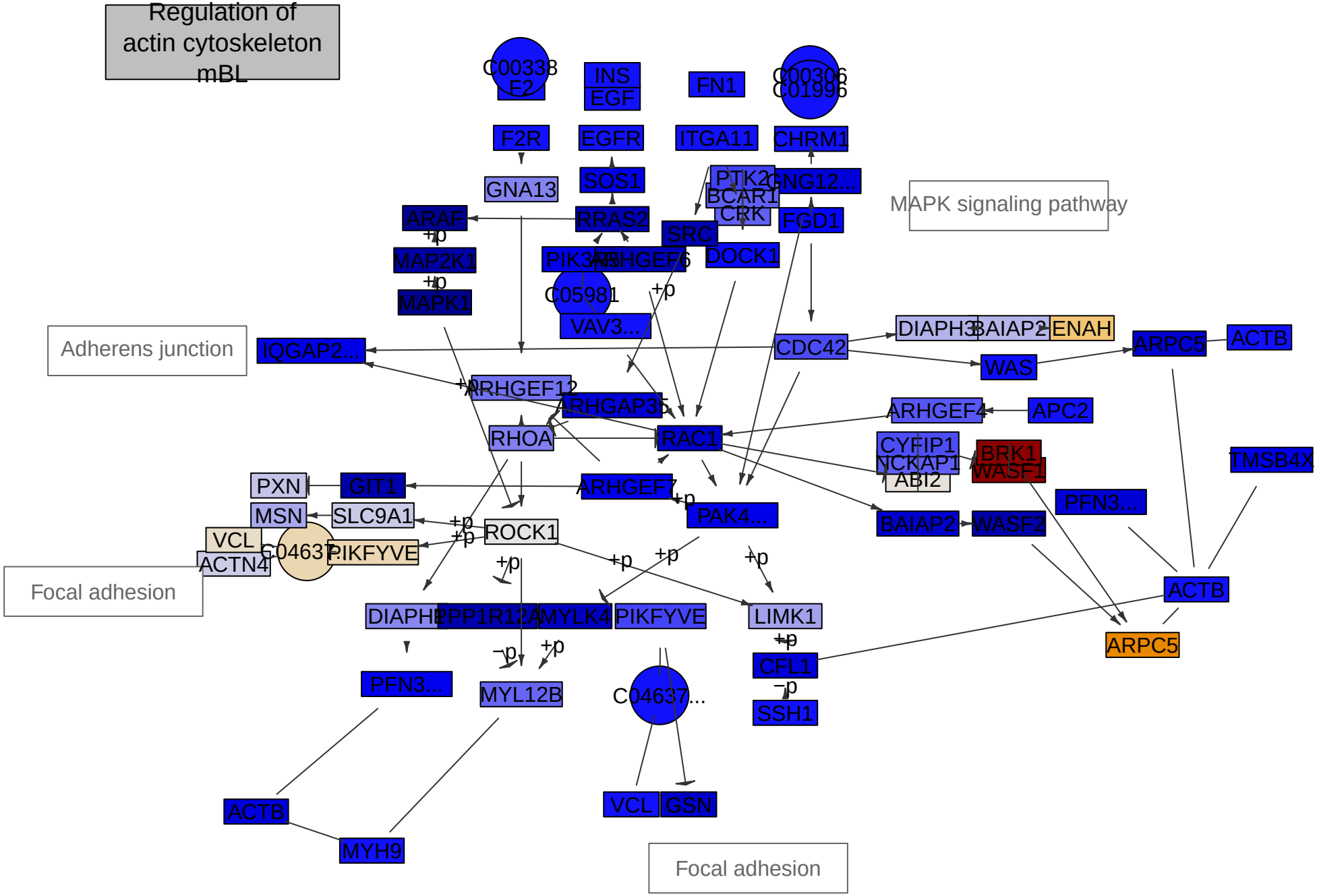
# Regulation of actin cytoskeleton

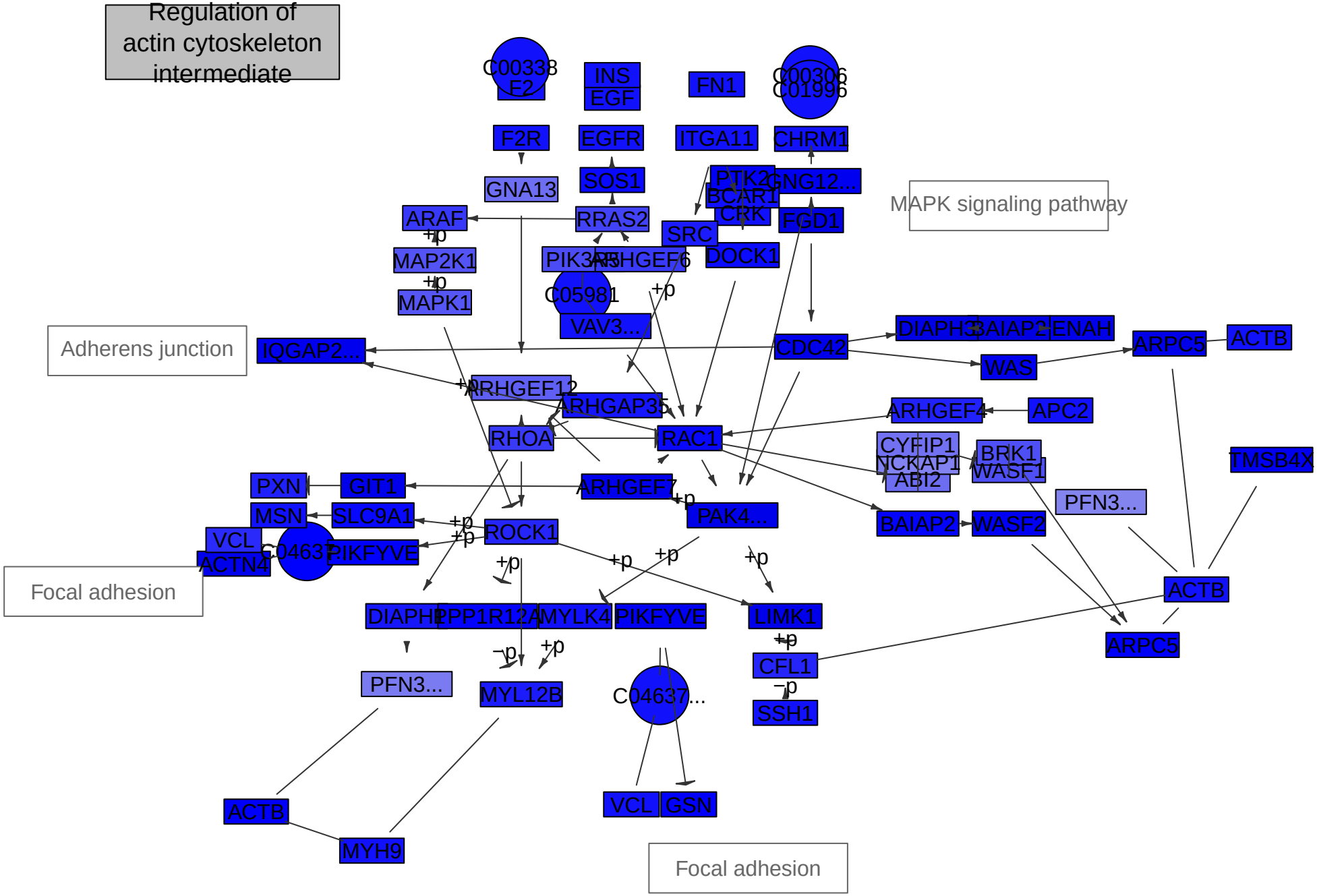


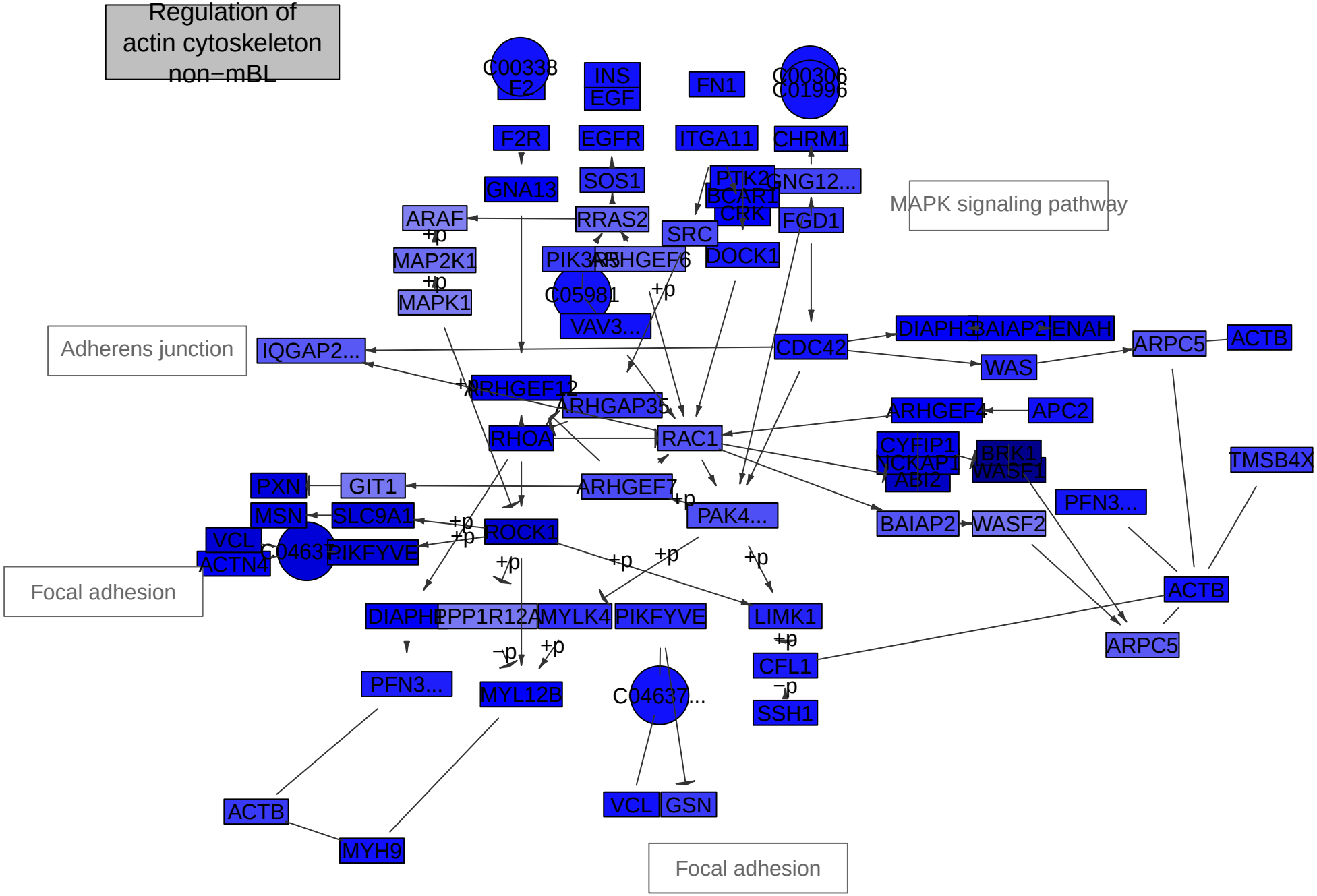




Regulation of actin cytoskeleton (genes with data)
C00338
F2
INS
EGF
FN1
C00306
C01996
F2R
EGFR
ITGA11
CHRM1
GNA13
SOS1
PTK2
GNG12...
BCAR1
CRK
FGD1
ARAF
RRAS2
SRC
DOCK1
MAP2K1
MAPK1
PIK3R1
ARHGEF6
C05981
VAV3...
MAPK signaling pathway
Adherens junction
IQGAP2...
CDC42
DIAPH3
BAIAP2
ENAH
ARPC5
ACTB
WAS
ARHGEF12
ARHGAP35
ARHGEF4
APC2
RHOA
RAC1
CYFIP1
NCKAP1
ABI2
BRK1
WASF1
TMSB4X
PXN
GIT1
ARHGEF7
PFN3...
MSN
SLC9A1
PAK4...
BAIAP2
WASF2
VCL
ACTN4
C04637
PIKFYVE
ROCK1
Focal adhesion
ACTB
DIAPH1
PPP1R12A
MYLK4
PIKFYVE
LIMK1
ARPC5
CFL1
PFN3...
MYL12B
C04637...
SSH1
ACTB
MYH9
VCL
GSN
Focal adhesion


Regulation of actin cytoskeleton (sink nodes)
C00338
F2
INS
EGF
FN1
C00306
C01996
F2R
EGFR
ITGA11
CHRM1
GNA13
SOS1
PTK2
BCAR1
GNG12...
CRK
FGD1
SRC
DOCK1
ARAF
+p
MAP2K1
+p
MAPK1
RRAS2
PIK3R5
ARHGEF6
C05981
+p
VAV3...
MAPK signaling pathway
Adherens junction
IQGAP2...
CDC42
DIAPH3
BAIAP2
ENAH
ARPC5
ACTB
WAS
+p
ARHGEF12
ARHGAP35
ARHGEF4
APC2
RHOA
RAC1
CYFIP1
NCKAP1
BRK1
WASF1
ABI2
TMSB4X
PXN
GIT1
ARHGEF7
+p
PFN3...
MSN
SLC9A1
+p
PAK4...
BAIAP2
WASF2
VCL
ACTN4
C04637
+p
PIKFYVE
ROCK1
+p
+p
+p
+p
Focal adhesion
ACTB
DIAPH1
PPP1R12A
MYLK4
PIKFYVE
LIMK1
+p
ARPC5
−p
+p
CFL1
PFN3...
MYL12B
C04637...
−p
SSH1
ACTB
MYH9
VCL
GSN
Focal adhesion


Regulation of actin cytoskeleton mBL
C00338
F2
INS
EGF
FN1
C00306
C01996
F2R
EGFR
ITGA11
CHRM1
GNA13
SOS1
PTK2
BCAR1
GNG12...
CRK
FGD1
MAPK signaling pathway
ARAF
+p
RRAS2
SRC
MAP2K1
+p
PIK3R5
ARHGEF6
DOCK1
C05981
+p
MAPK1
VAV3...
Adherens junction
IQGAP2...
CDC42
DIAPH3
BAIAP2
ENAH
ARPC5
ACTB
WAS
+p
ARHGEF12
ARHGAP35
ARHGEF4
APC2
RHOA
RAC1
CYFIP1
NCKAP1
BRK1
WASF1
TMSB4X
ABI2
PXN
GIT1
ARHGEF7
+p
PFN3...
MSN
SLC9A1
PAK4...
BAIAP2
WASF2
+p
+p
VCL
ACTN4
C04637
PIKFYVE
ROCK1
Focal adhesion
+p
+p
+p
+p
ACTB
DIAPH2
PPP1R12A
MYLK4
PIKFYVE
LIMK1
ARPC5
+p
−p
+p
CFL1
PFN3...
MYL12B
C04637...
−p
SSH1
ACTB
VCL
GSN
MYH9
Focal adhesion


Regulation of actin cytoskeleton intermediate
C00338
F2
INS
EGF
FN1
C00306
C01996
F2R
EGFR
ITGA11
CHRM1
GNA13
SOS1
PTK2
BCAR1
GNG12...
CRK
FGD1
ARAF
+p
RRAS2
SRC
MAP2K1
+p
PIK3R5
ARHGEF6
DOCK1
MAPK1
C05981
+p
VAV3...
MAPK signaling pathway
Adherens junction
IQGAP2...
CDC42
DIAPH3
BAIAP2
ENAH
ARPC5
ACTB
WAS
+p
ARHGEF12
ARHGAP35
ARHGEF4
APC2
RHOA
RAC1
CYFIP1
NCKAP1
ABI2
BRK1
WASF1
TMSB4X
PXN
GIT1
ARHGEF7
+p
PFN3...
MSN
SLC9A1
+p
PAK4...
BAIAP2
WASF2
VCL
ACTN4
C04637
+p
ROCK1
PIKFYVE
Focal adhesion
+p
+p
+p
+p
ACTB
DIAPH1
PPP1R12A
MYLK4
PIKFYVE
LIMK1
+p
ARPC5
−p
+p
CFL1
PFN3...
MYL12B
C04637...
−p
SSH1
ACTB
VCL
GSN
MYH9
Focal adhesion


Regulation of actin cytoskeleton non−mBL
C00338
F2
INS
EGF
FN1
C00306
C01996
F2R
EGFR
ITGA11
CHRM1
GNA13
SOS1
PTK2
BCAR1
GNG12...
CRK
FGD1
ARAF
RRAS2
SRC
DOCK1
MAP2K1
MAPK1
PIK3R5
ARHGEF6
C05981
VAV3...
MAPK signaling pathway
Adherens junction
IQGAP2...
CDC42
DIAPH3
BAIAP2
ENAH
ARPC5
ACTB
WAS
ARHGEF12
ARHGAP35
ARHGEF4
APC2
RHOA
RAC1
CYFIP1
NCKAP1
BRK1
WASF1
AB12
TMSB4X
PXN
GIT1
ARHGEF7
PFN3...
MSN
SLC9A1
PAK4...
BAIAP2
WASF2
VCL
ACTN4
C04637
PIKFYVE
ROCK1
Focal adhesion
ACTB
DIAPH1
PPP1R12A
MYLK4
PIKFYVE
LIMK1
ARPC5
CFL1
PFN3...
MYL12B
C04637...
SSH1
ACTB
MYH9
VCL
GSN
Focal adhesion