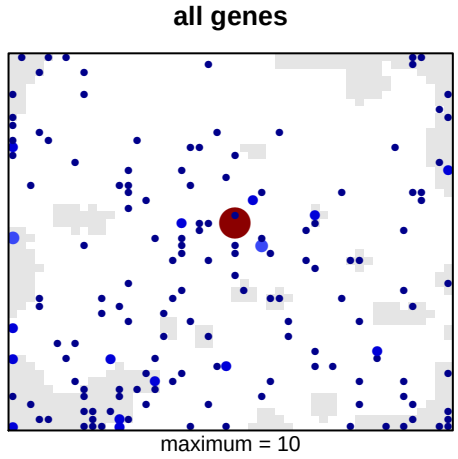
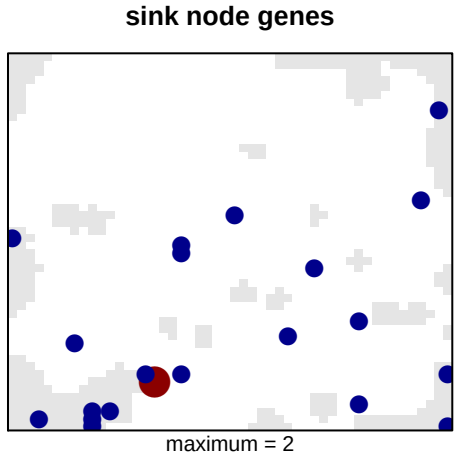
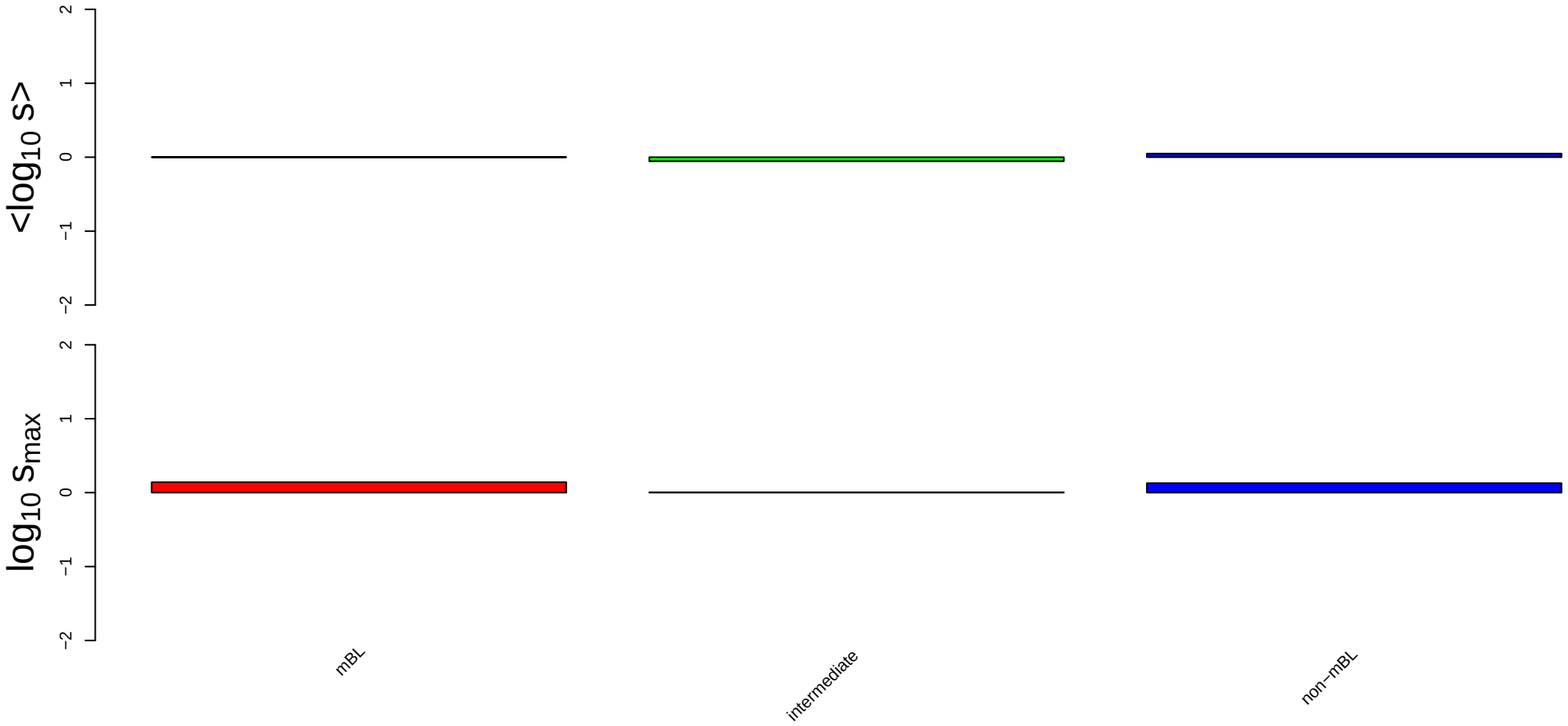
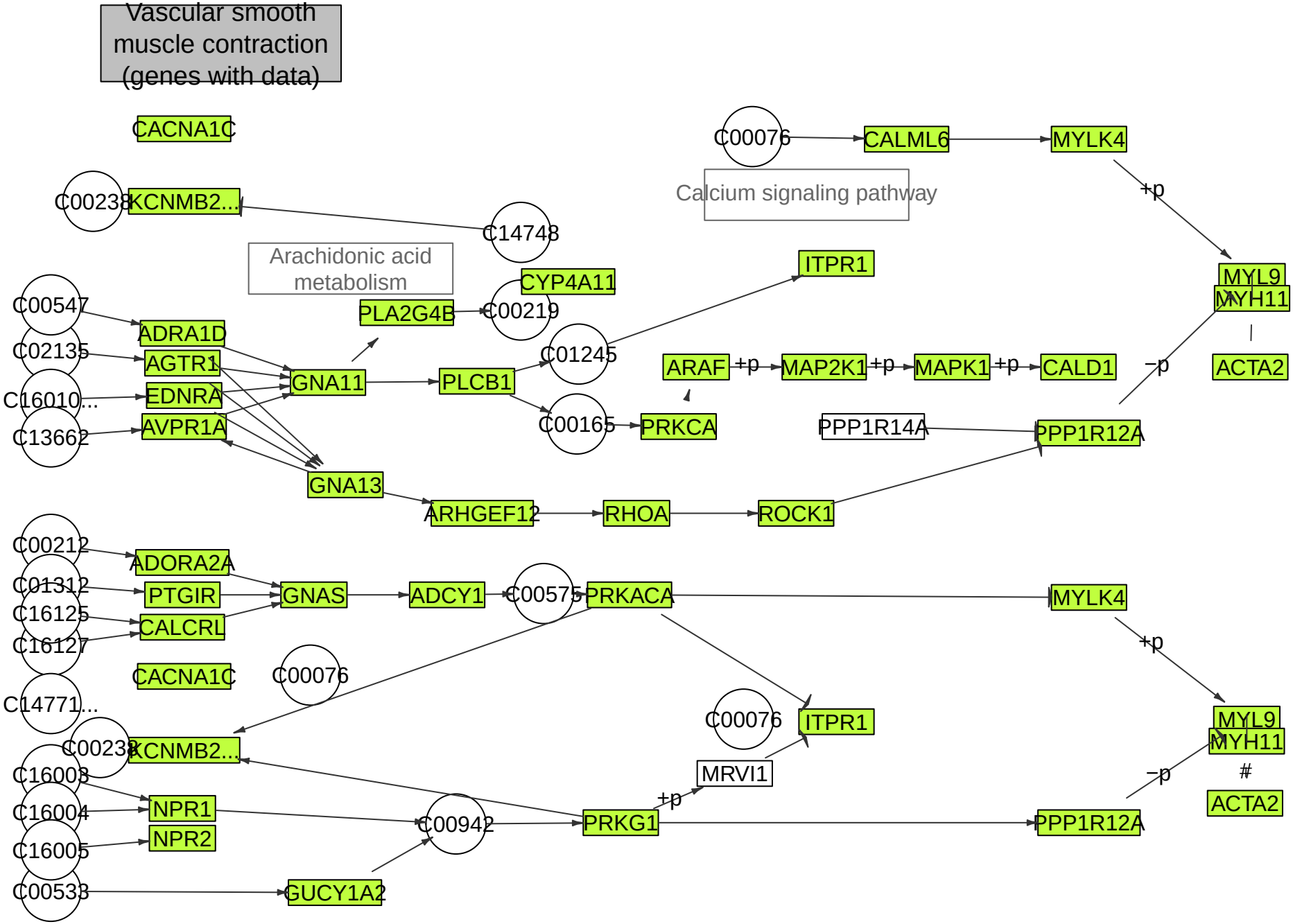
Vascular smooth muscle contraction

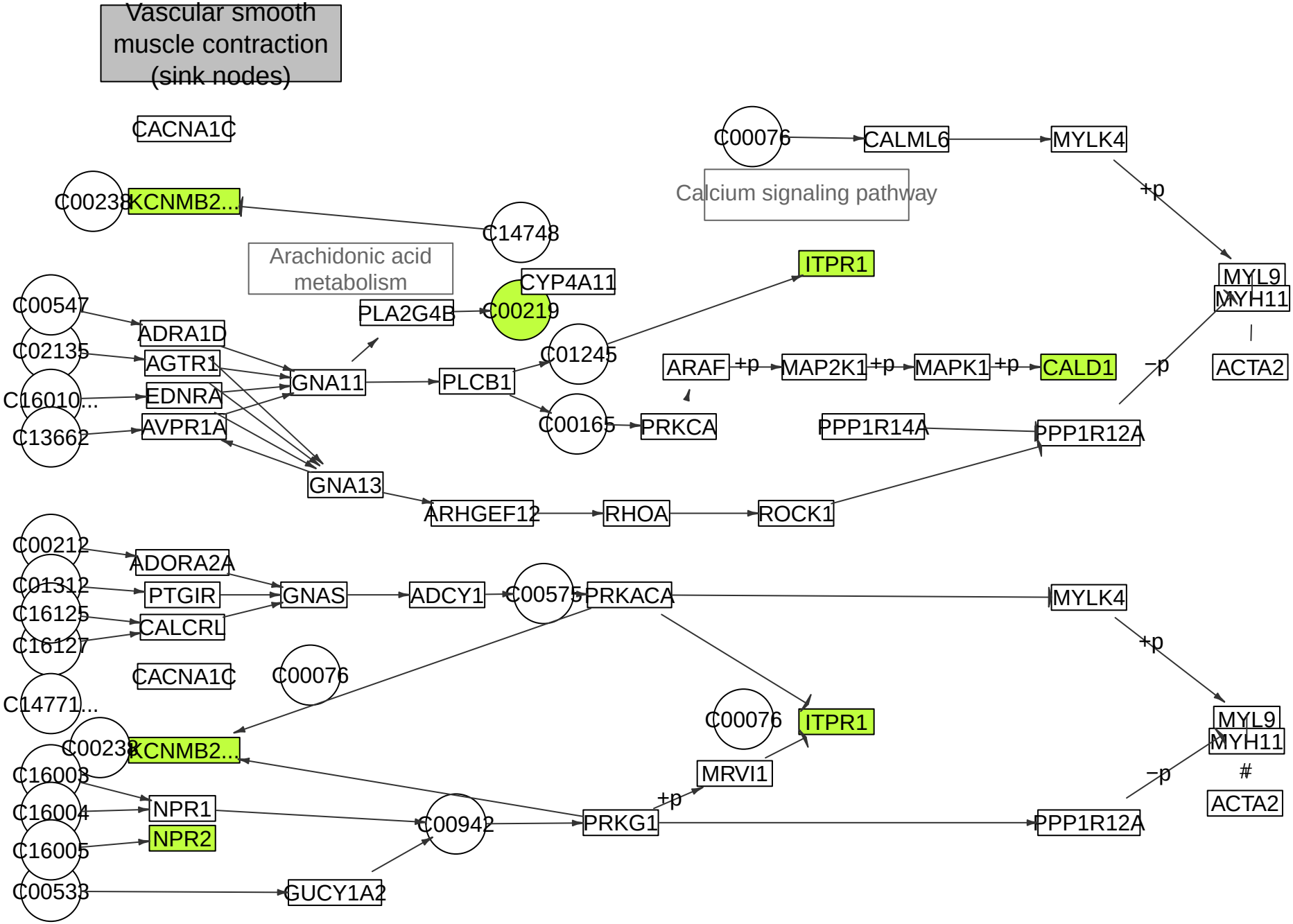


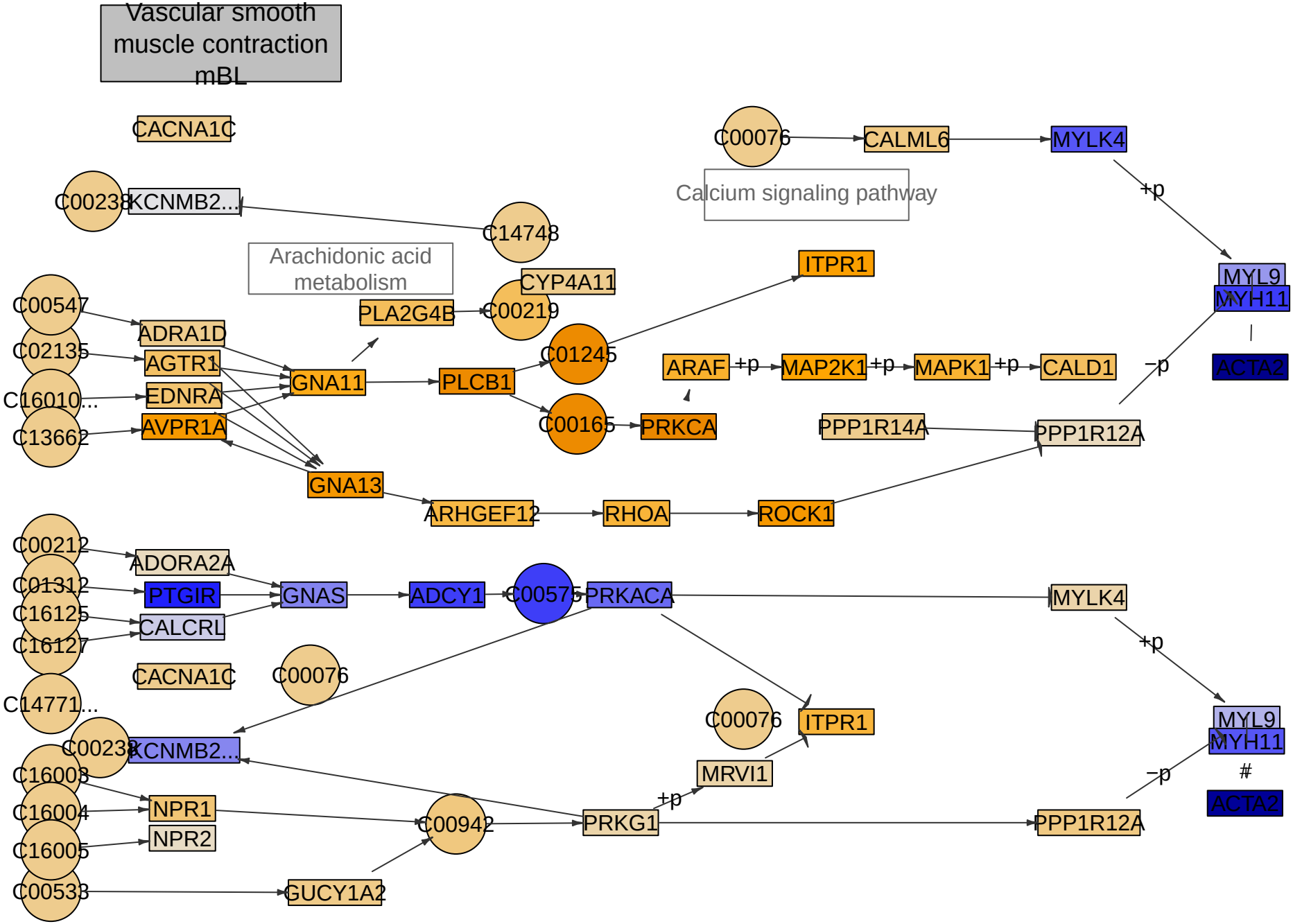


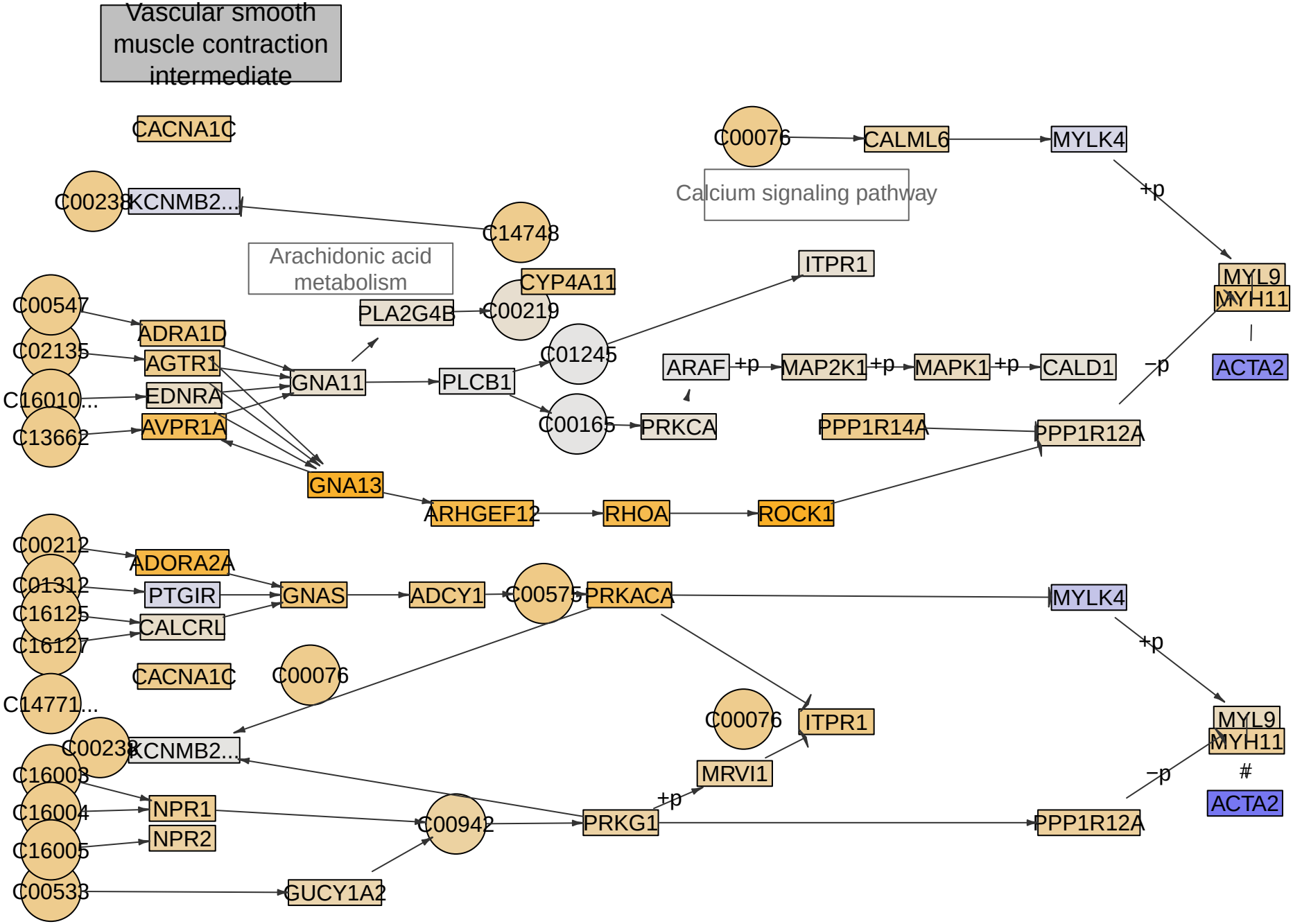


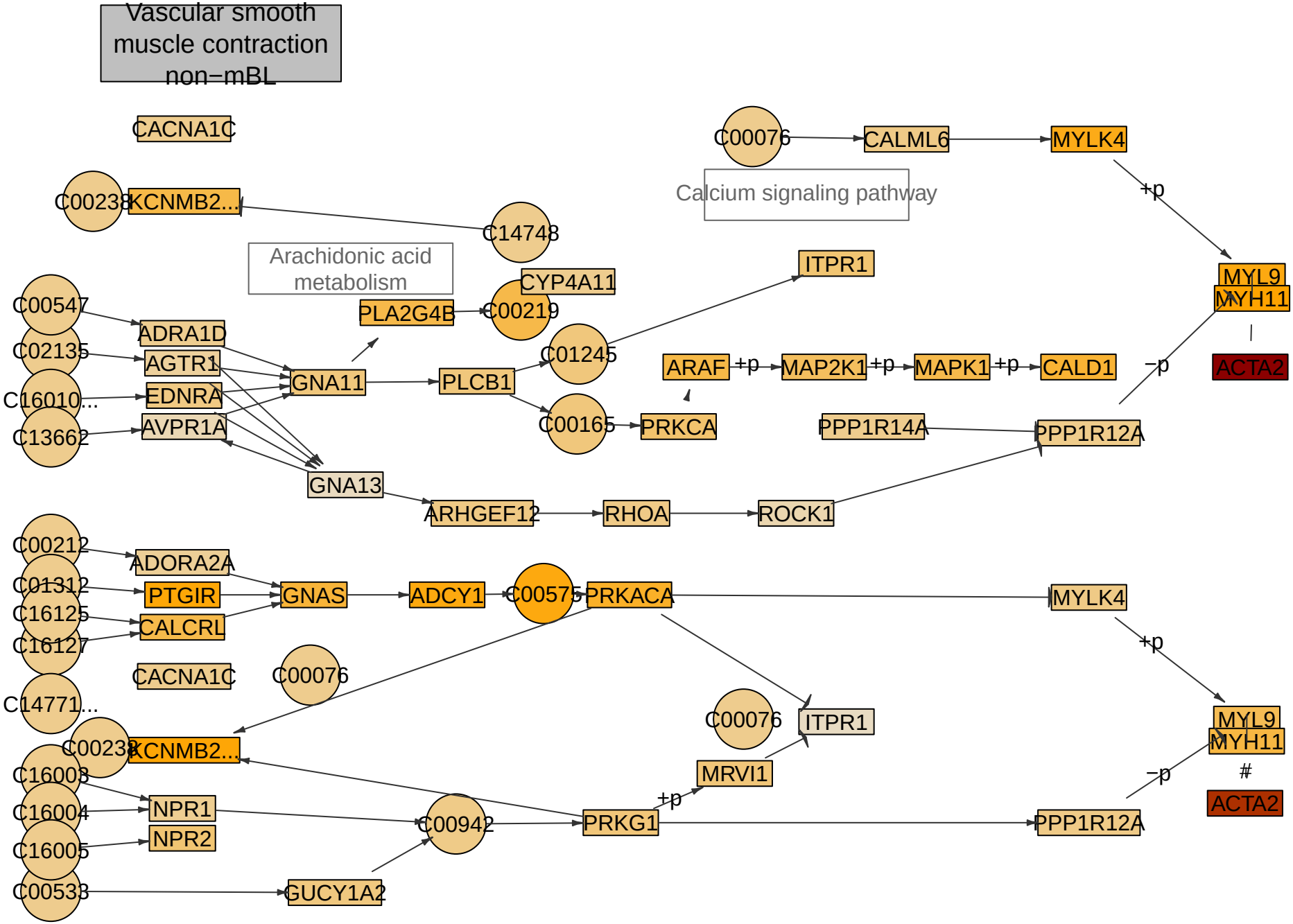


Vascular smooth muscle contraction (genes with data)
CACNA1C
C00238
KCNMB2...
C14748
Arachidonic acid metabolism
C00547
ADRA1D
C02135
AGTR1
C16010...
EDNRA
C13662
AVPR1A
GNA11
PLA2G4B
CYP4A11
C00219
PLCB1
C01245
C00165
PRKCA
ITPR1
C00076
CALML6
MYLK4
Calcium signaling pathway
+p
MYL9
MYH11
ACTA2
ARAF
+p
MAP2K1
+p
MAPK1
+p
CALD1
−p
PPP1R14A
PPP1R12A
GNA13
ARHGEF12
RHOA
ROCK1
C00212
ADORA2A
C01312
PTGIR
C16125
CALCRL
C16127
GNAS
ADCY1
C00575
PRKACA
MYLK4
+p
CACNA1C
C00076
C14771...
C00238
KCNMB2...
C16003
C16004
NPR1
C16005
NPR2
C00533
GUCY1A2
C00942
PRKG1
+p
MRVI1
C00076
ITPR1
PPP1R12A
−p
MYL9
MYH11
#
ACTA2


Vascular smooth muscle contraction (sink nodes)
CACNA1C
C00238
KCNMB2...
C14748
Arachidonic acid metabolism
CYP4A11
PLA2G4B
C00219
C00547
ADRA1D
C02135
AGTR1
C16010...
EDNRA
C13662
AVPR1A
GNA11
GNA13
PLCB1
C01245
C00165
PRKCA
ITPR1
C00076
CALML6
MYLK4
Calcium signaling pathway
+p
MYL9
MYH11
ACTA2
ARAF
+p
MAP2K1
+p
MAPK1
+p
CALD1
−p
PPP1R14A
PPP1R12A
ARHGEF12
RHOA
ROCK1
C00212
ADORA2A
C01312
PTGIR
C16125
CALCRL
C16127
GNAS
ADCY1
C00575
PRKACA
MYLK4
+p
MYL9
MYH11
#
ACTA2
C00076
CACNA1C
C14771...
C00238
KCNMB2...
C16003
NPR1
C16004
NPR2
C16005
C00533
GUCY1A2
C00942
PRKG1
+p
MRVI1
C00076
ITPR1
−p
PPP1R12A


Vascular smooth muscle contraction mBL
CACNA1C
C00238
KCNMB2...
C14748
Arachidonic acid metabolism
CYP4A11
PLA2G4B
C00219
C00547
ADRA1D
C02135
AGTR1
C16010...
EDNRA
C13662
AVPR1A
GNA11
PLCB1
C01245
C00165
PRKCA
GNA13
ARHGEF12
RHOA
ROCK1
ITPR1
C00076
CALML6
MYLK4
Calcium signaling pathway
+p
MYL9
MYH11
ACTA2
ARAF
+p
MAP2K1
+p
MAPK1
+p
CALD1
−p
PPP1R14A
PPP1R12A
C00212
ADORA2A
C01312
PTGIR
C16125
CALCRL
C16127
GNAS
ADCY1
C00575
PRKACA
MYLK4
+p
CACNA1C
C00076
C14771...
C00238
KCNMB2...
C16003
NPR1
C16004
NPR2
C16005
C00533
GUCY1A2
C00942
PRKG1
+p
MRVI1
C00076
ITPR1
MYL9
MYH11
#
−p
ACTA2
PPP1R12A


Vascular smooth muscle contraction intermediate
CACNA1C
C00238
KCNMB2...
C14748
Arachidonic acid metabolism
CYP4A11
PLA2G4B
C00219
C00547
ADRA1D
C02135
AGTR1
C16010...
EDNRA
C13662
AVPR1A
GNA11
PLCB1
C01245
C00165
PRKCA
ITPR1
GNA13
ARHGEF12
RHOA
ROCK1
C00076
CALML6
MYLK4
Calcium signaling pathway
+p
MYL9
MYH11
ACTA2
ARAF
+p
MAP2K1
+p
MAPK1
+p
CALD1
−p
PPP1R14A
PPP1R12A
C00212
ADORA2A
C01312
PTGIR
C16125
CALCRL
C16127
GNAS
ADCY1
C00575
PRKACA
MYLK4
+p
CACNA1C
C00076
C14771...
C00238
KCNMB2...
C16003
C16004
NPR1
C16005
NPR2
C00533
GUCY1A2
C00942
+p
MRVI1
C00076
ITPR1
PRKG1
PPP1R12A
−p
MYL9
MYH11
#
ACTA2


Vascular smooth muscle contraction non−mBL
CACNA1C
C00238
KCNMB2...
C14748
Arachidonic acid metabolism
CYP4A11
PLA2G4B
C00219
C00547
ADRA1D
C02135
AGTR1
C16010...
EDNRA
C13662
AVPR1A
GNA11
GNA13
PLCB1
C01245
C00165
PRKCA
ITPR1
C00076
CALML6
MYLK4
Calcium signaling pathway
+p
MYL9
MYH11
ACTA2
ARAF
+p
MAP2K1
+p
MAPK1
+p
CALD1
−p
PPP1R14A
PPP1R12A
ARHGEF12
RHOA
ROCK1
C00212
ADORA2A
C01312
PTGIR
C16125
CALCRL
C16127
GNAS
ADCY1
C00575
PRKACA
MYLK4
+p
CACNA1C
C00076
C14771...
C00238
KCNMB2...
C16003
C16004
NPR1
C16005
NPR2
C00533
GUCY1A2
C00942
PRKG1
+p
MRVI1
C00076
ITPR1
PPP1R12A
−p
MYL9
MYH11
#
ACTA2