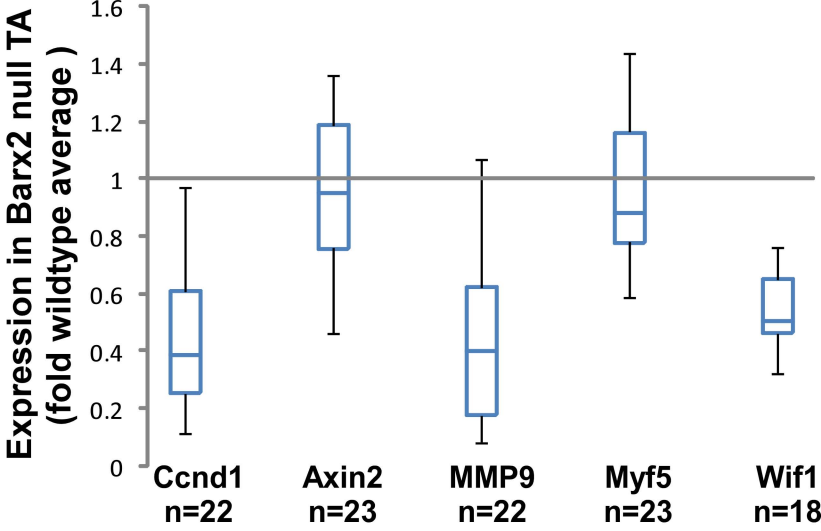
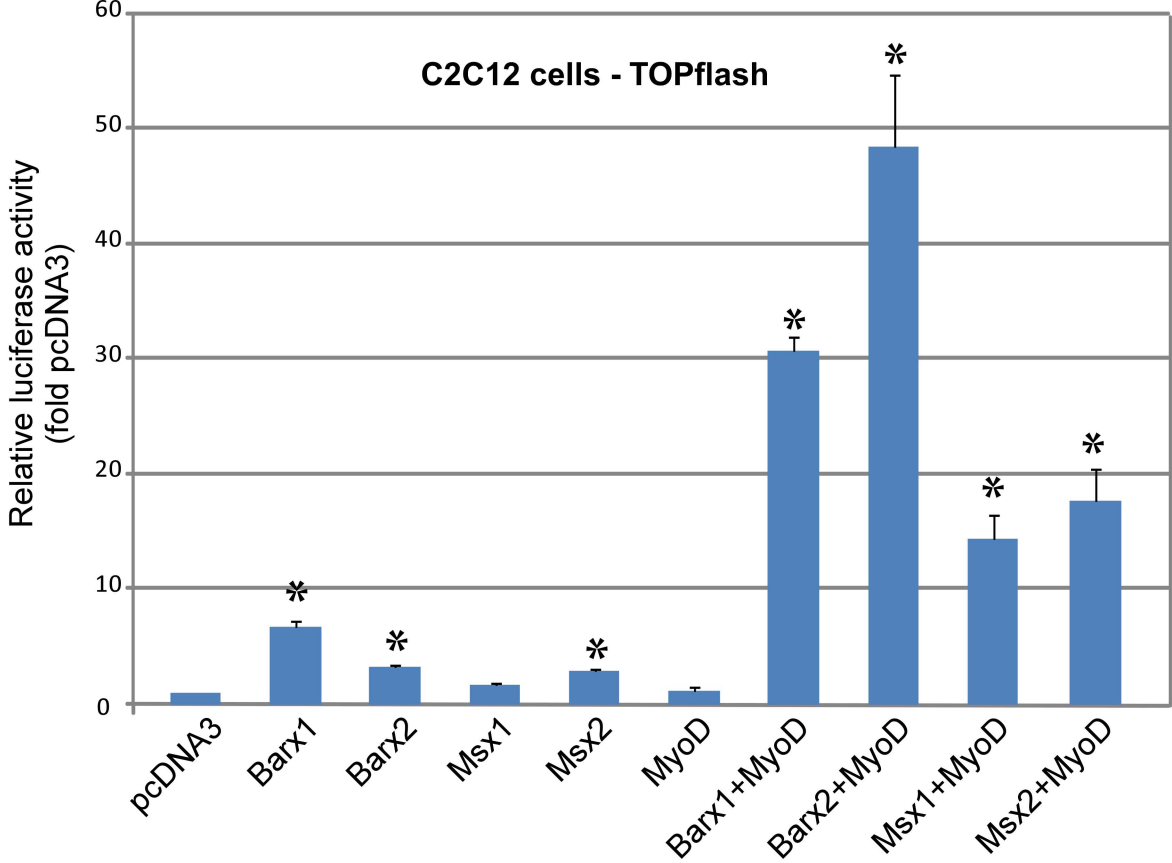
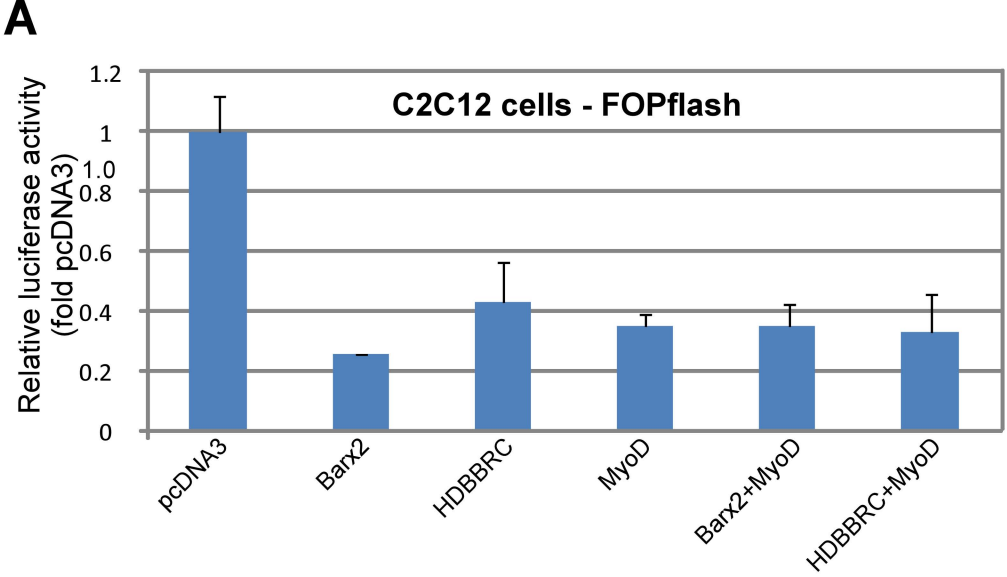
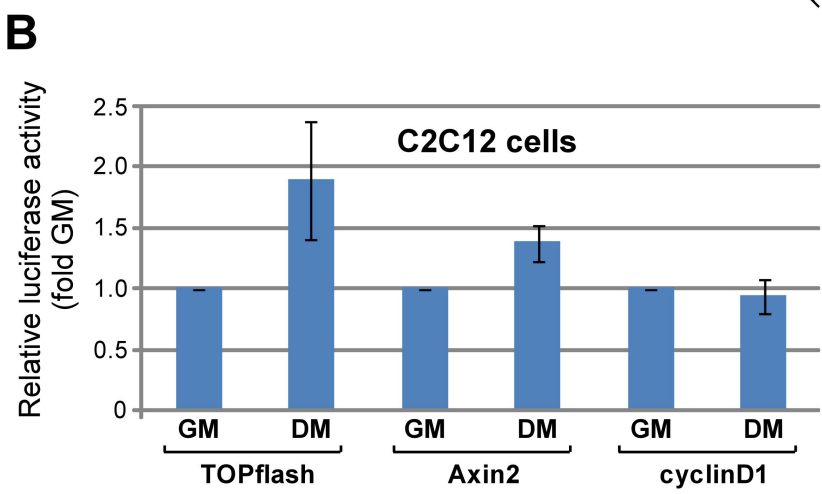

Expression in Barx2 null TA
(fold wildtype average)
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Ccnd1
n=22
Axin2
n=23
MMP9
n=22
Myf5
n=23
Wif1
n=18

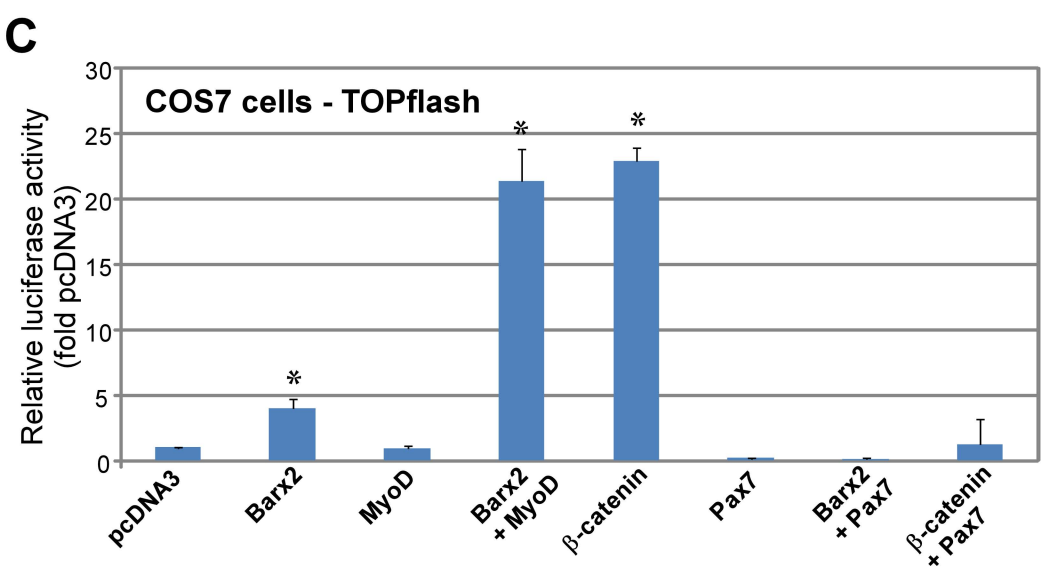
Supp_Fig2


C2C12 cells - TOPflash
Relative luciferase activity (fold pcDNA3)
60
50
40
30
20
10
0
*
pcDNA3
Barx1
Barx2
Msx1
Msx2
MyoD
Barx1+MyoD
Barx2+MyoD
Msx1+MyoD
Msx2+MyoD

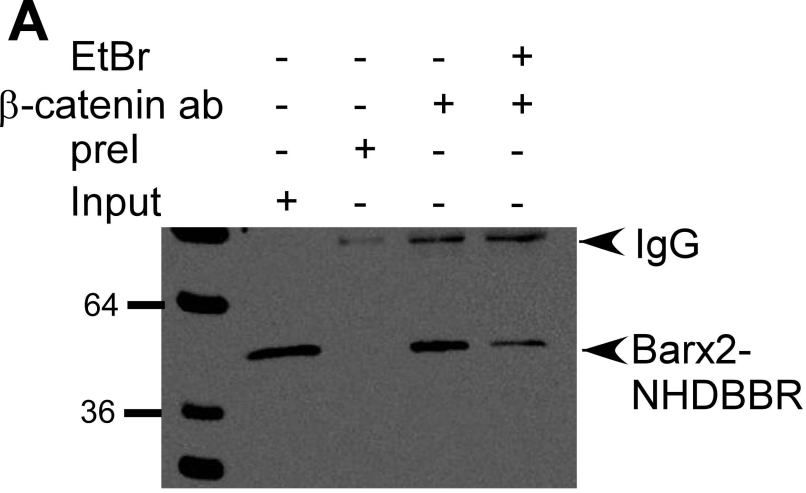
Supp_Fig3

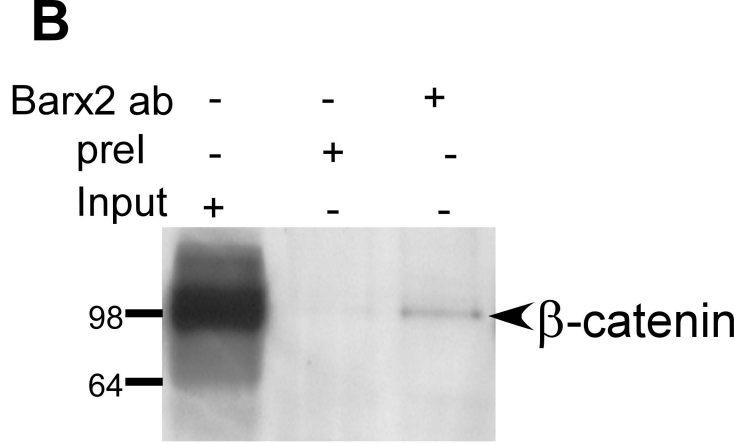

A
C2C12 cells - FOPflash
Relative luciferase activity (fold pcDNA3)
1.2
1
1.0
0.8
0.6
0.4
0.2
0
pcDNA3
Barx2
HDBBRC
MyoD
Barx2+MyoD
HDBBRC+MyoD


B
C2C12 cells
Relative luciferase activity (fold GM)
2.5
2.0
1.5
1.0
0.5
0
GM
DM
GM
DM
GM
DM
TOPflash
Axin2
cyclinD1

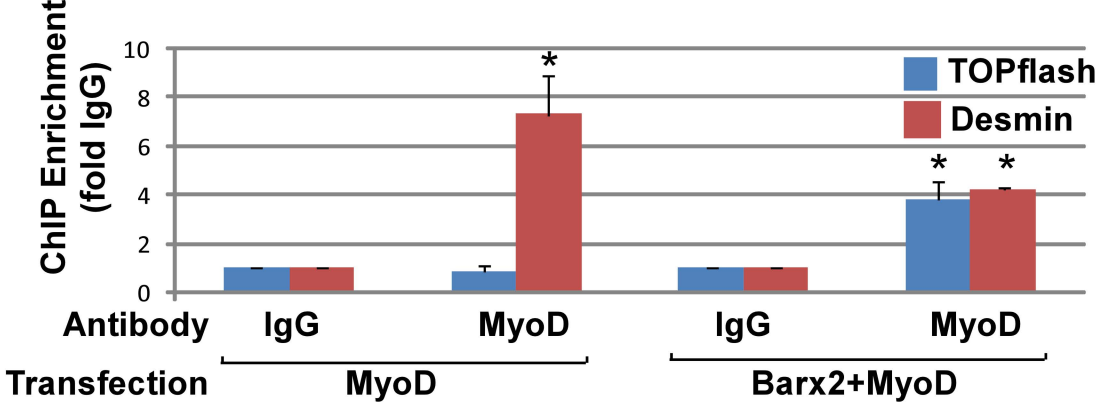

C
COS7 cells - TOPflash
Relative luciferase activity (fold pcDNA3)
30
25
20
15
10
5
0
*
*
pcDNA3
Barx2
MyoD
Barx2 + MyoD
β-catenin
Pax7
Barx2 + Pax7
β-catenin + Pax7

Supp_Fig4


A
EtBr - - - +
β-catenin ab - - + +
preI - + - -
Input + - - -
64
36
IgG
Barx2-
NHDBBR


B
Barx2 ab - - +
preI - + -
Input + - -
98
64
β-catenin

Supp_Fig 5


ChIP Enrichment
(fold IgG)
10
8
6
4
2
0
TOPflash
Desmin
*
*
*
Antibody
IgG
MyoD
IgG
MyoD
Transfection
MyoD
Barx2+MyoD

Supp_Fig 6