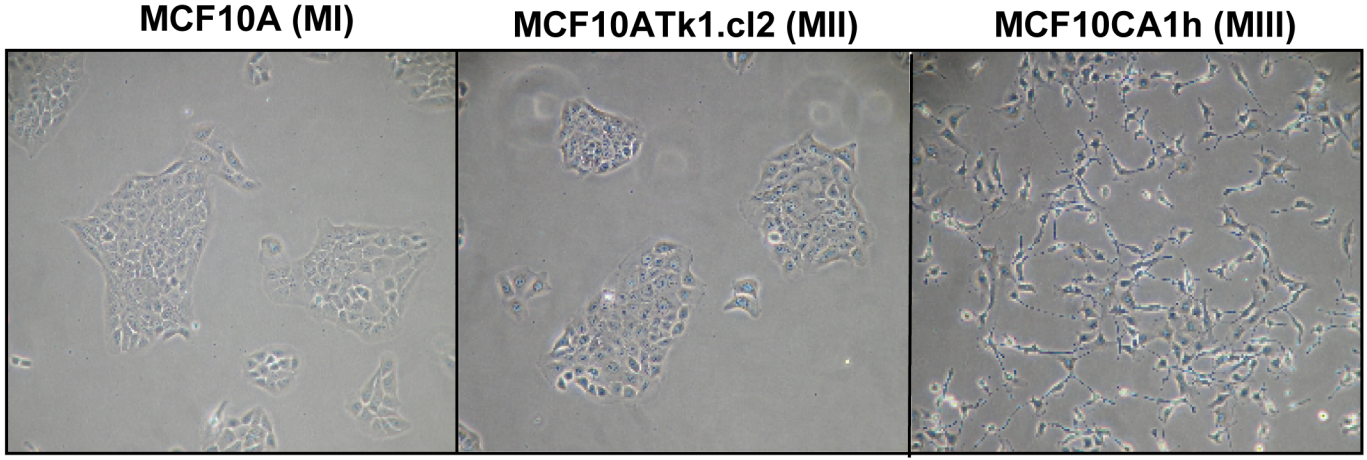
Fig. S1

A.



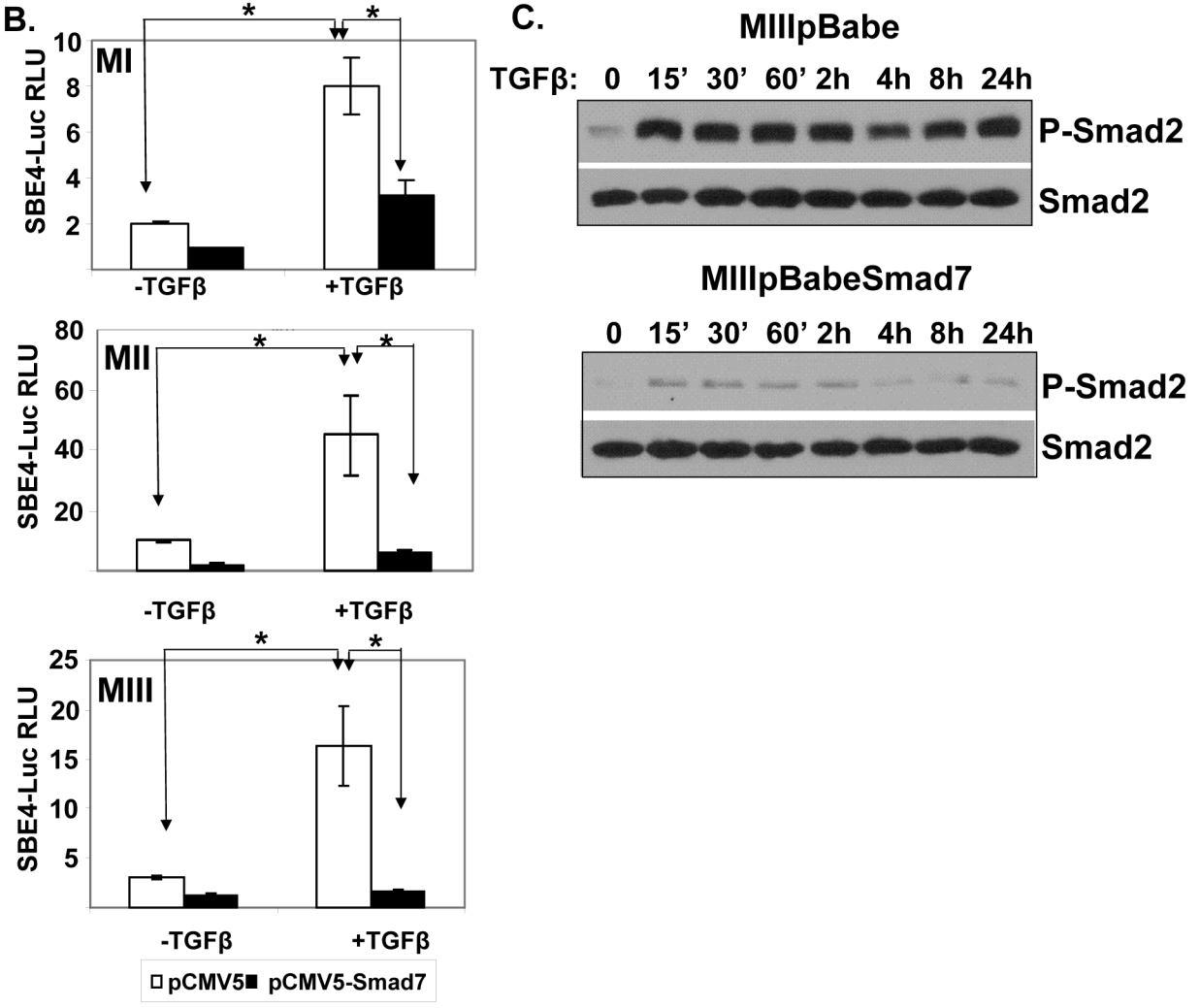
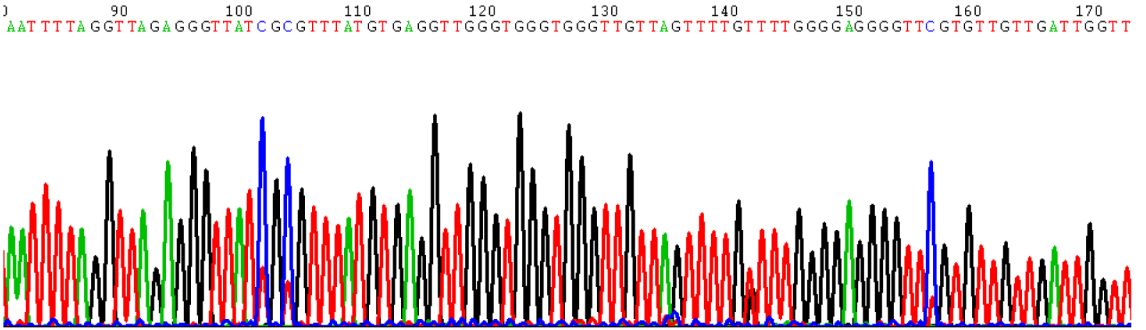
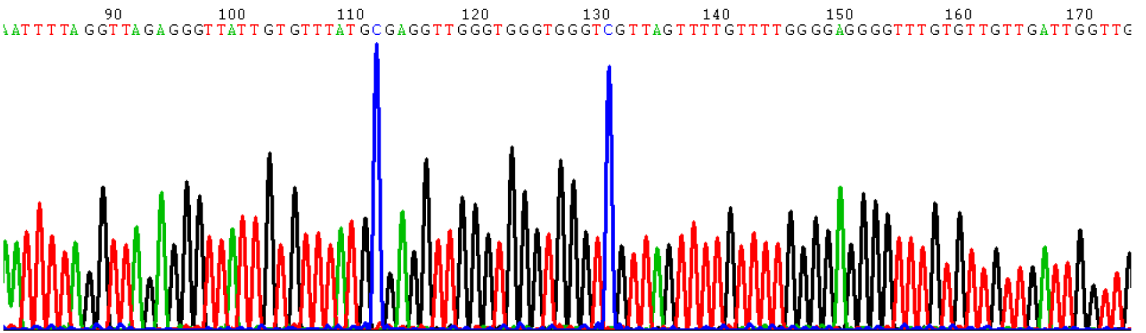

B.
MI
SBE4-Luc RLU
10
8
6
4
2
*
*
-TGFβ
+TGFβ
MII
80
60
40
20
MIII
25
20
15
10
5
pCMV5
pCMV5-Smad7
C.
MIIIpBabe
TGFβ: 0 15' 30' 60' 2h 4h 8h 24h
P-Smad2
Smad2
MIIIpBabeSmad7
0 15' 30' 60' 2h 4h 8h 24h
P-Smad2
Smad2

Fig. S2

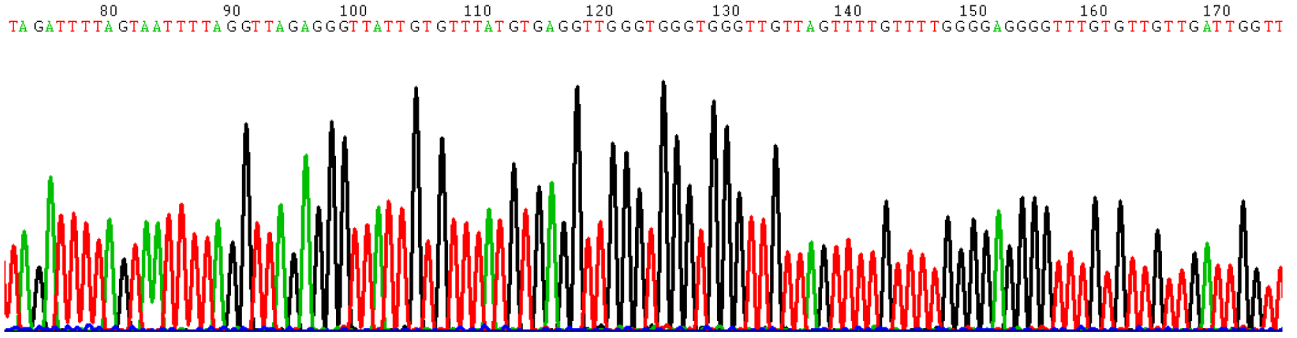
MIII pBabe DNA promoter clone#7:



MIII pBabe DNA promoter clone#8:



MIII pBabe-Smad7 DNA promoter clone#1:



MIII pBabe-Smad7 DNA promoter clone#5:

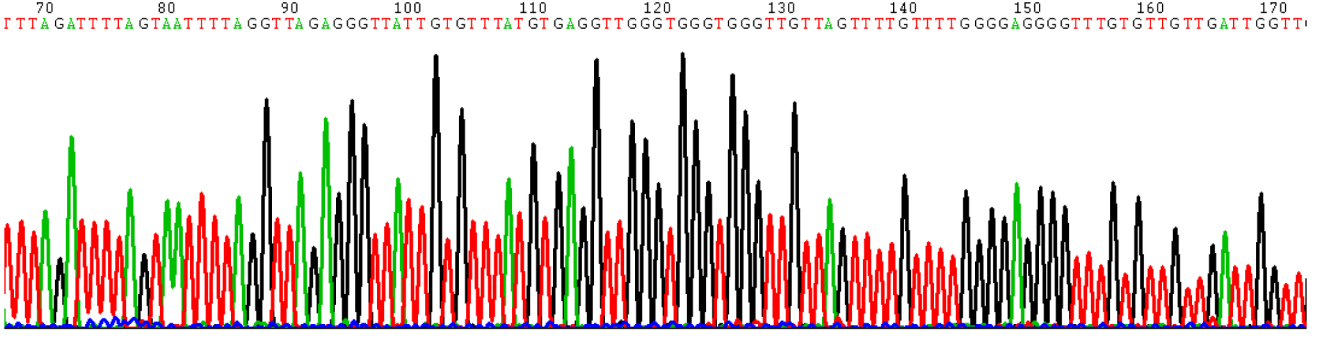
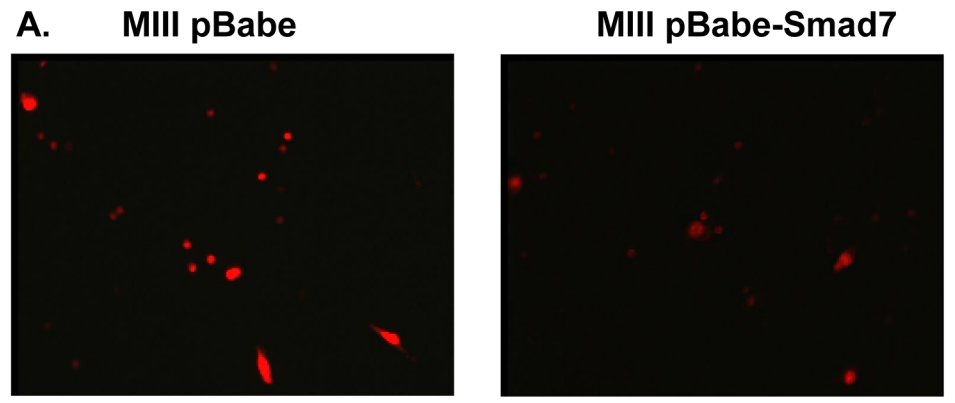
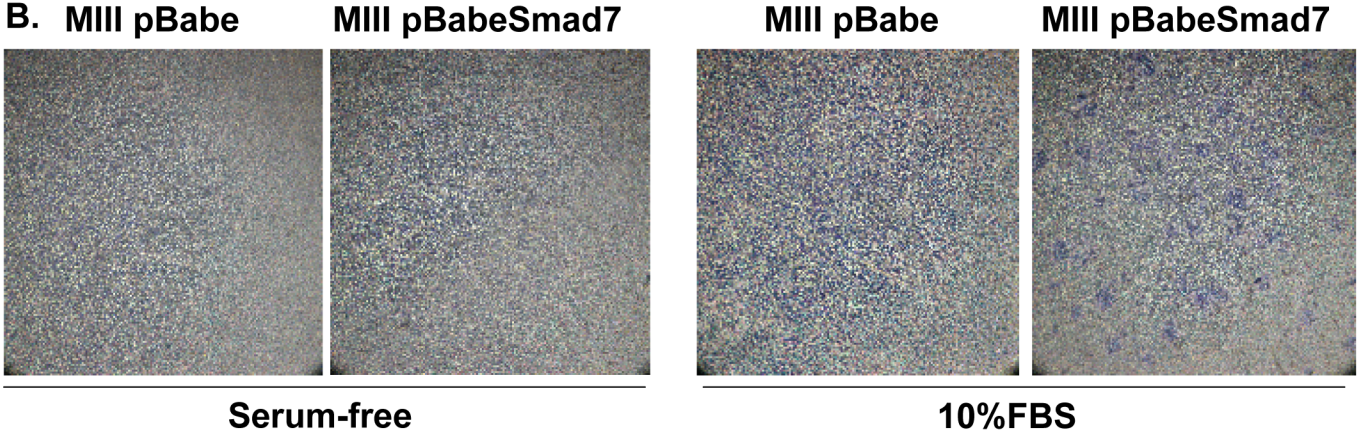


Fig. S3


A.
MIII pBabe
MIII pBabe-Smad7


B.
MIII pBabe
MIII pBabeSmad7
MIII pBabe
MIII pBabeSmad7
Serum-free
10%FBS

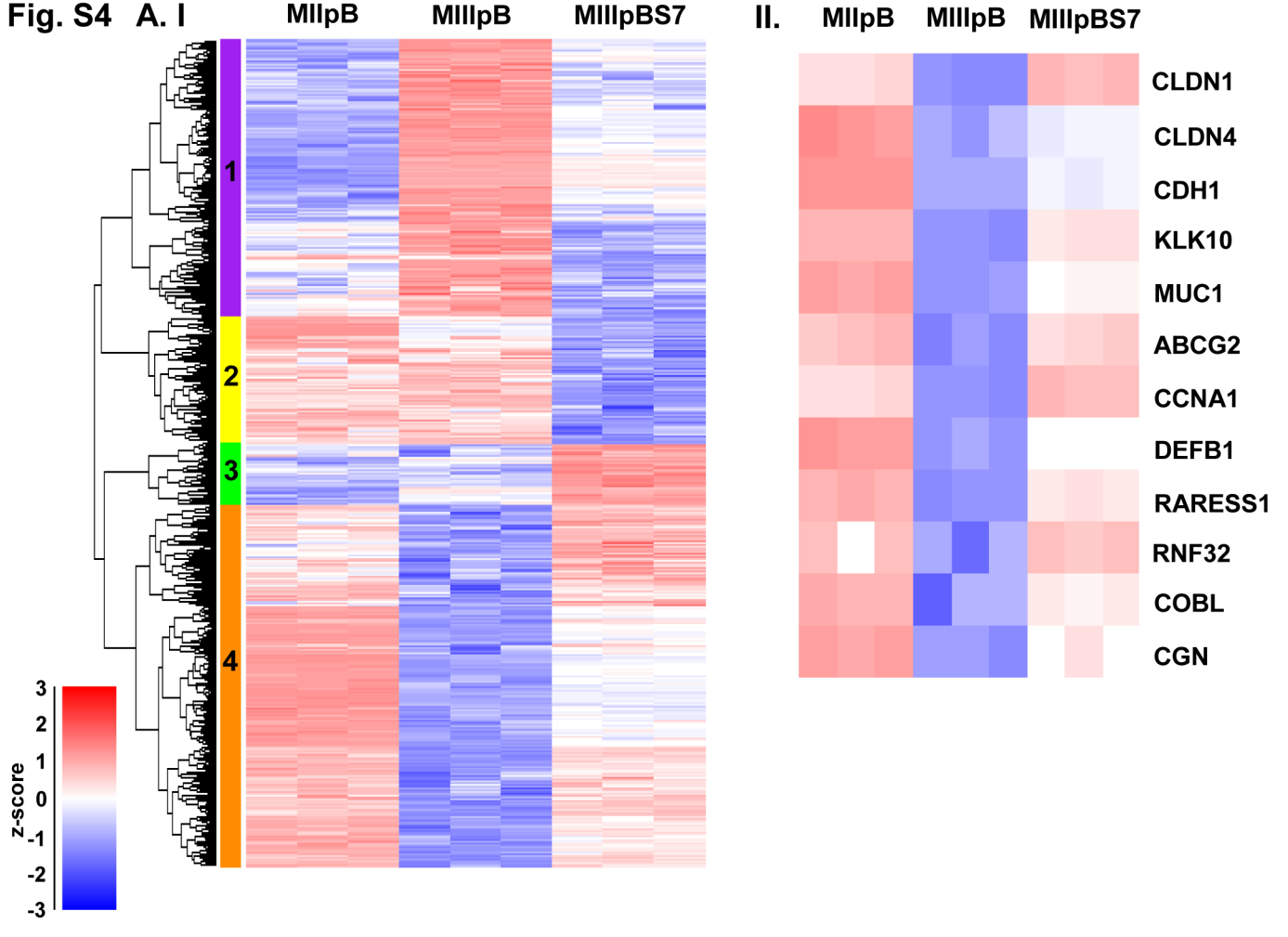
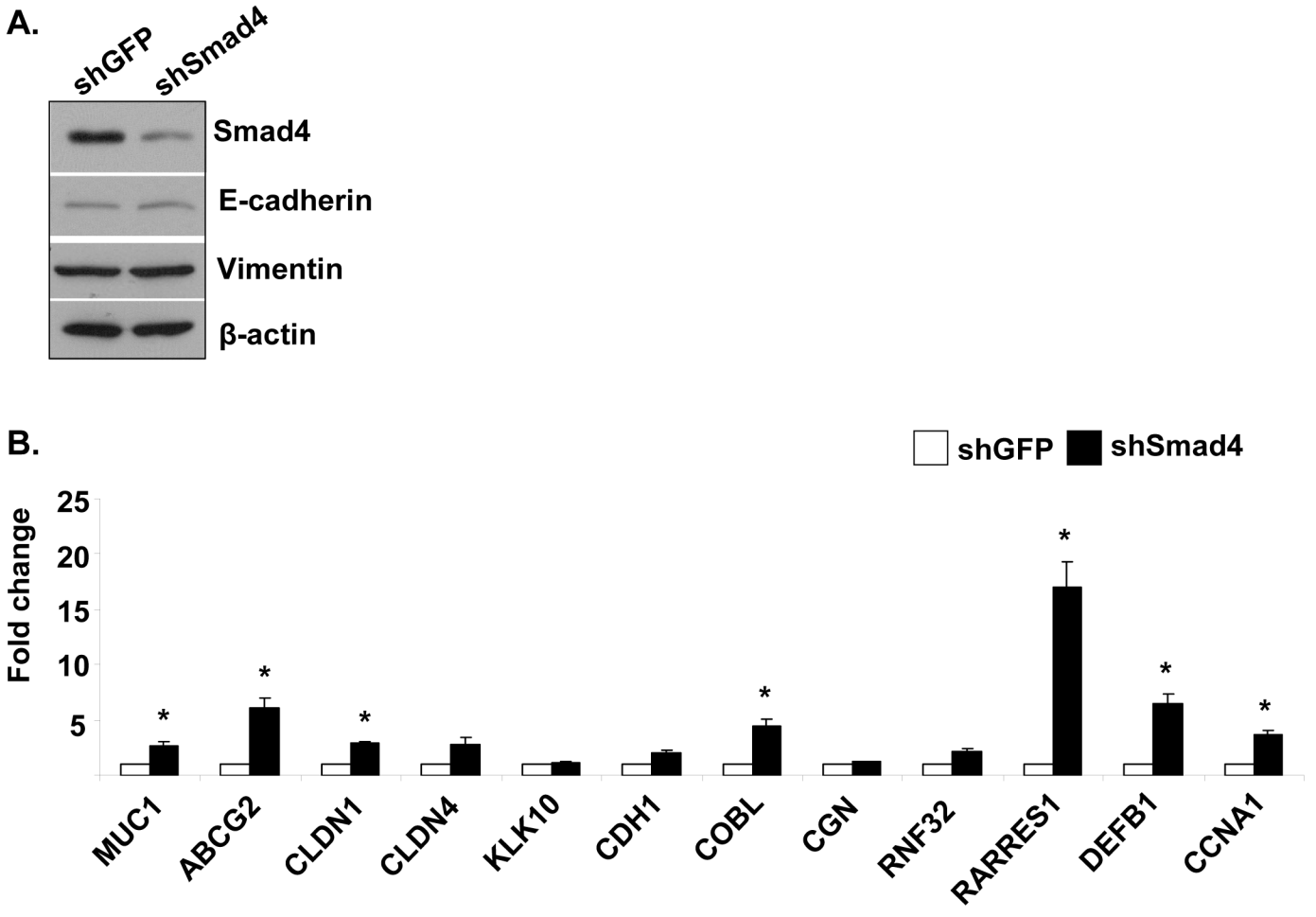


Fig. S4
A. I
MIIpB
MIIIpB
MIIIpBS7
1
2
3
4
z-score
3
2
1
0
-1
-2
-3
II.
MIIpB
MIIIpB
MIIIpBS7
CLDN1
CLDN4
CDH1
KLK10
MUC1
ABCG2
CCNA1
DEFB1
RARESS1
RNF32
COBL
CGN

Fig. S5


A.
shGFP
shSmad4
Smad4
E-cadherin
Vimentin
β-actin
B.
shGFP
shSmad4
Fold change
25
20
15
10
5
*
MUC1
ABCG2
CLDN1
CLDN4
KLK10
CDH1
COBL
CGN
RNF32
RARRES1
DEFB1
CCNA1

C.

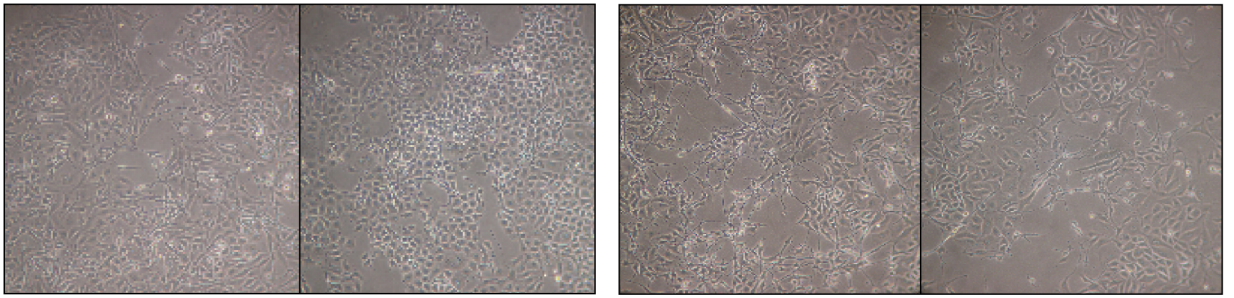


Fig. S6

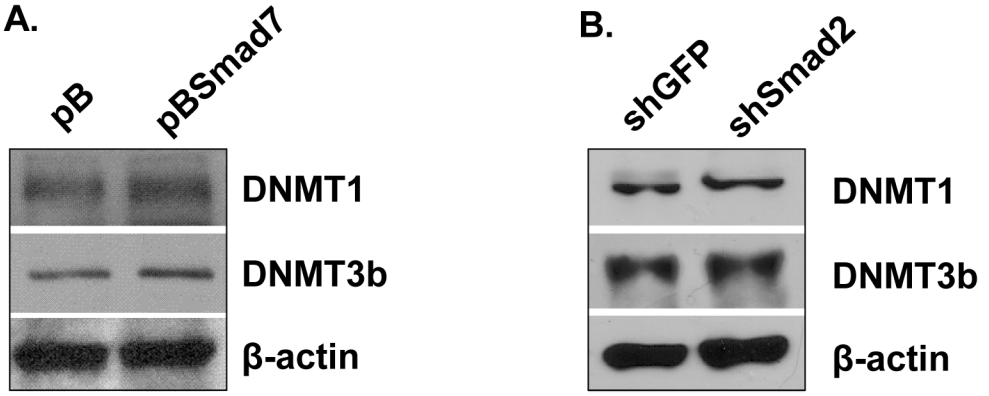

A.
pB
pBSmad7
DNMT1
DNMT3b
β-actin
B.
shGFP
shSmad2
DNMT1
DNMT3b
β-actin

Fig. S7

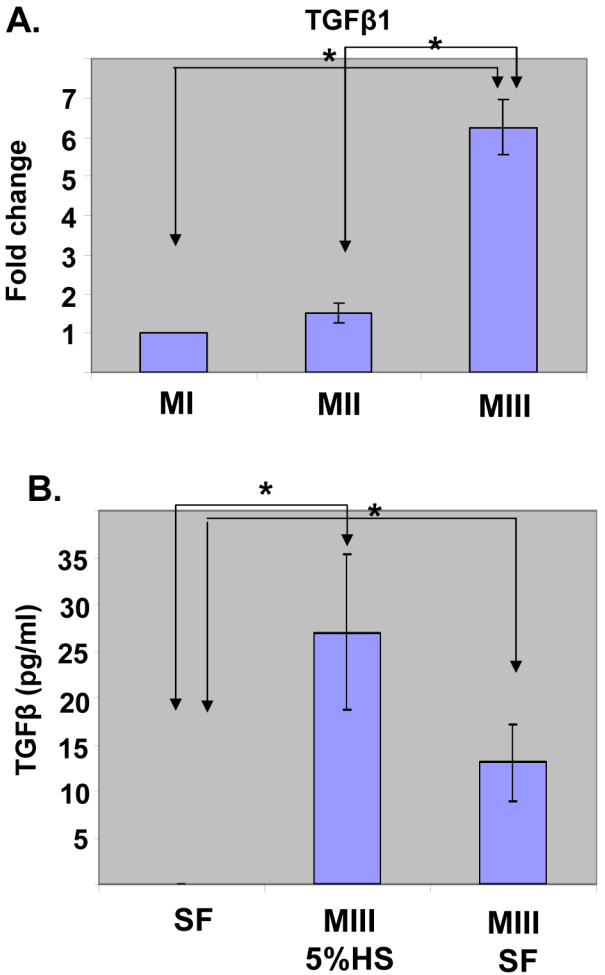
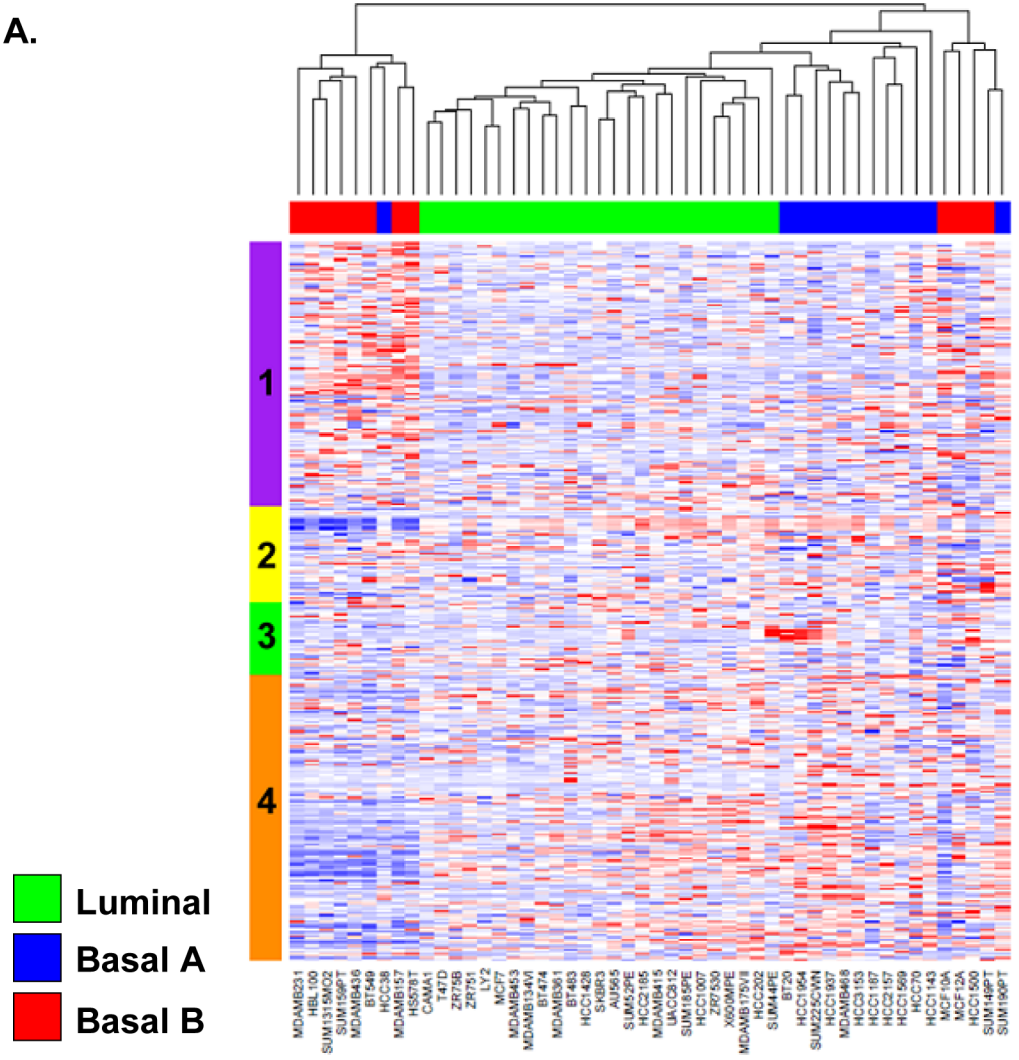

A.
TGFβ1
*
*
Fold change
7
6
5
4
3
2
1
MI
MII
MIII
B.
*
*
TGFβ (pg/ml)
35
30
25
20
15
10
5
SF
MIII
5%HS
MIII
SF

Fig. S8 A.


1
2
3
4
Luminal
Basal A
Basal B
MDAMB231
HBL100
SUM1315MO2
SUM159PT
MDAMB436
BT549
HCC38
MDAMB157
HS578T
CAMA1
T47D
ZR75B
ZR751
LY2
MCF7
MDAMB453
MDAMB134VI
BT474
MDAMB361
BT483
HCC1428
SKBR3
AU565
SUM52PE
HCC2185
MDAMB415
UACC812
SUM185PE
HCC1007
ZR7530
X600MPE
MDAMB175VII
HCC202
SUM44PE
BT20
HCC1954
SUM225CWN
HCC1937
MDAMB468
HCC1143
HCC1187
HCC2157
HCC1569
HCC70
HCC1143
MCF10A
MCF12A
HCC1500
SUM149PT
SUM190PT

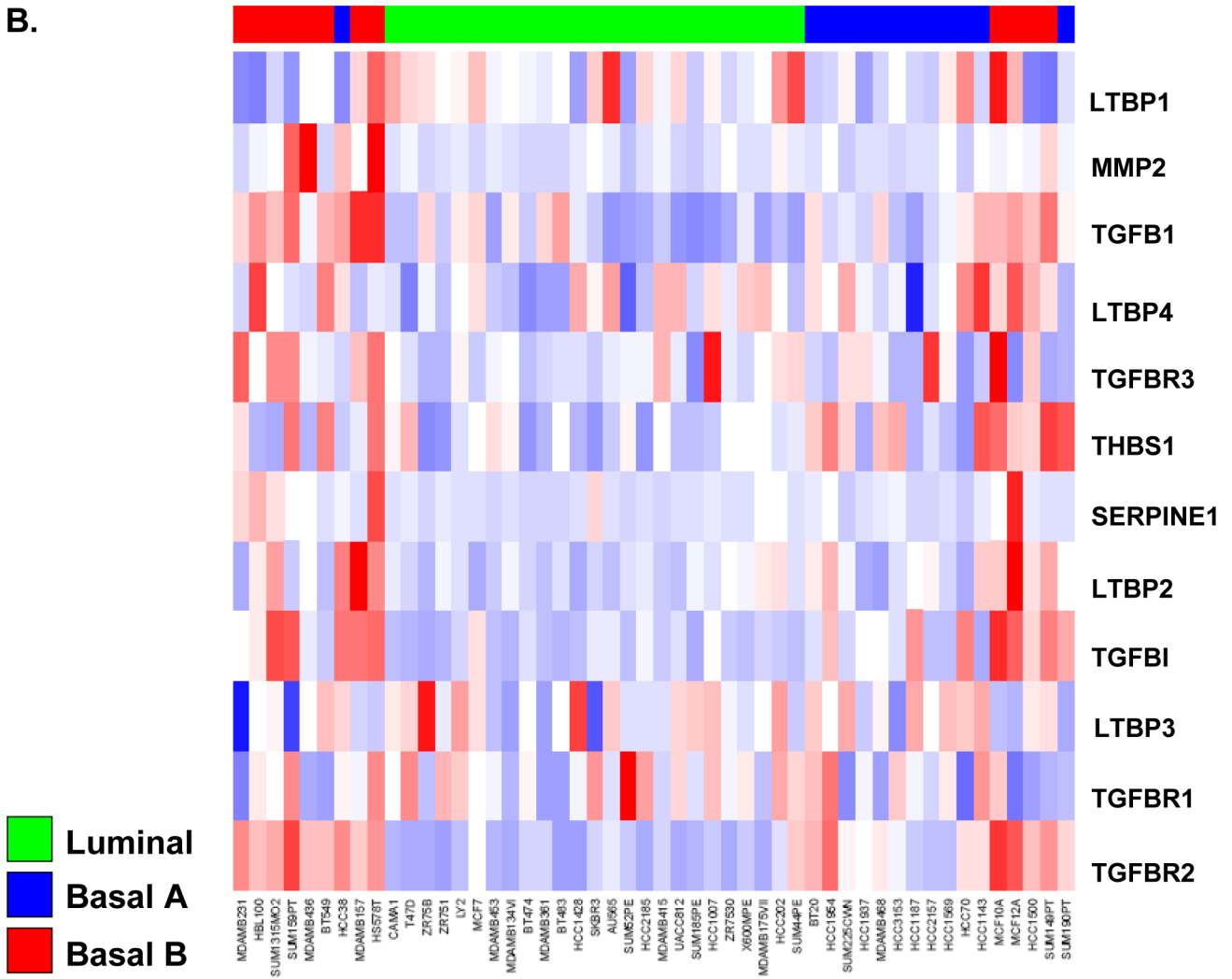
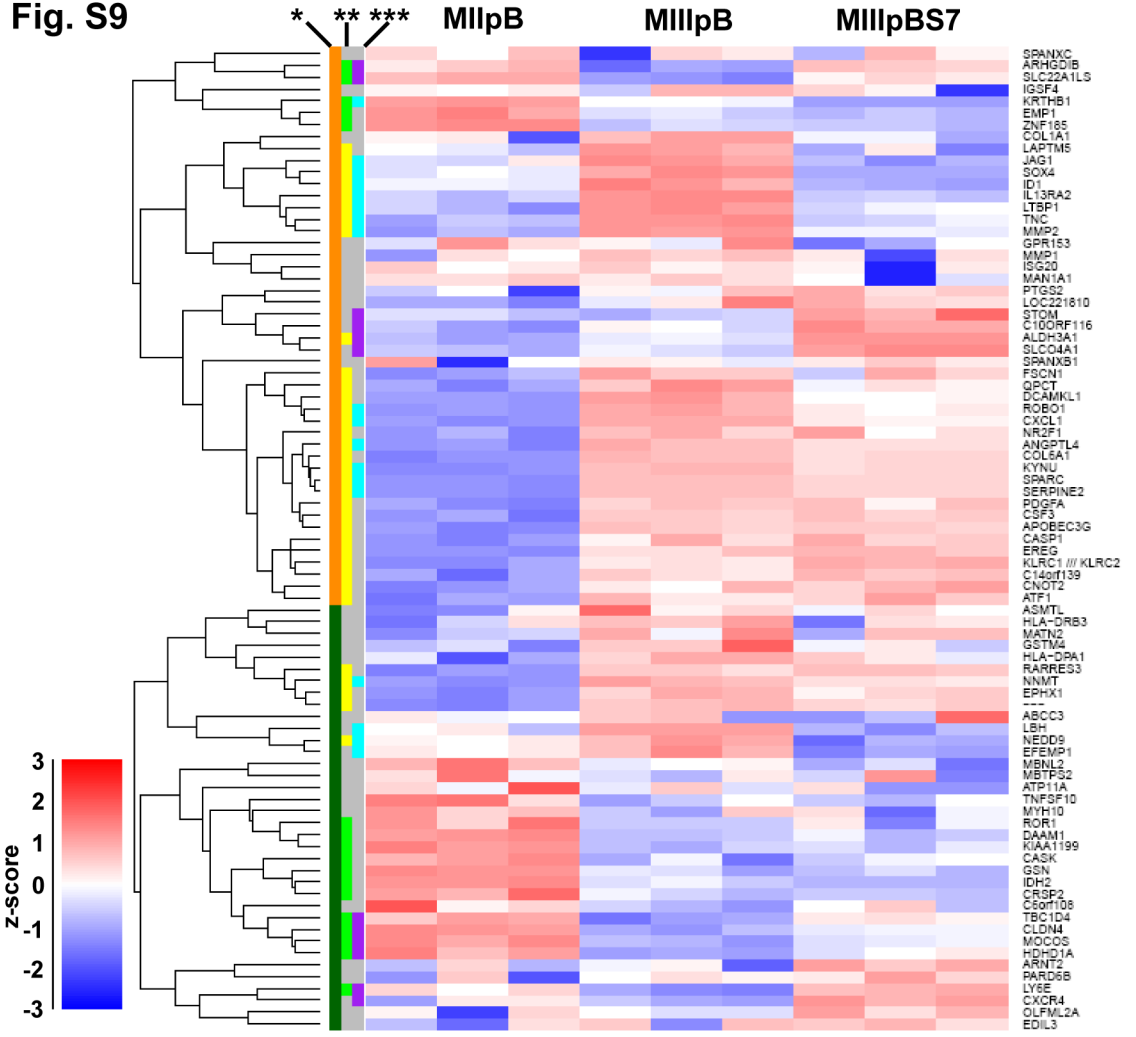

B.
LTBP1
MMP2
TGFB1
LTBP4
TGFBR3
THBS1
SERPINE1
LTBP2
TGFBI
LTBP3
TGFBR1
TGFBR2
Luminal
Basal A
Basal B
MDAMB231
HBL100
SUM1315MO2
SUM159PT
MDAMB436
BT549
HCC38
MDAMB157
HS578T
CAMA1
T47D
ZR75B
ZR751
LY2
MCF7
MDAMB453
MDAMB134VI
BT474
MDAMB361
BT483
HCC1428
SKBR3
AU565
SUM52PE
HCC2185
MDAMB415
UACC812
SUM185PE
HCC1007
ZR7530
X600MPE
MDAMB175VII
HCC202
SUM44PE
BT20
HCC1954
SUM225CWN
HCC1937
MDAMB468
HCC3153
HCC1187
HCC2157
HCC1569
HCC70
HCC1143
MCF10A
MCF12A
HCC1500
SUM149PT
SUM190PT

Fig. S9


*
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***
MIIpB
MIIIpB
MIIIpBS7
SPANXC
ARHGDIB
SLC22A1LS
IGSF4
KRTHB1
EMP1
ZNF185
COL1A1
LAPTM5
JAG1
SOX4
ID1
IL13RA2
LTBP1
TNC
MMP2
GPR153
MMP1
ISG20
MAN1A1
PTGS2
LOC221610
STOM
C10ORF116
ALDH3A1
SLCO4A1
SPANXB1
FSCN1
QPCT
DCAMKL1
ROBO1
CXCL1
NR2F1
ANGPTL4
COL5A1
KYNU
SPARC
SERPINE2
PDGFA
CSF3
APOBEC3G
CASP1
EREG
KLRC1 /// KLRC2
C14orf139
CNOT2
ATF1
ASMTL
HLA−DRB3
MATN2
GSTM4
HLA−DPA1
RARRES3
NNMT
EPHX1
ABCC3
LBH
NEDD9
EFEMP1
MBNL2
MBTPS2
ATP11A
TNFSF10
MYH10
ROR1
DAAM1
KIAA1199
CASK
GSN
IDH2
CRSP2
C5orf108
TBC1D4
CLDN4
MOCOS
HDHD1A
ARNT2
PARD6B
LY6E
CXCR4
OLFML2A
EDIL3
z-score
3
2
1
0
-1
-2
-3