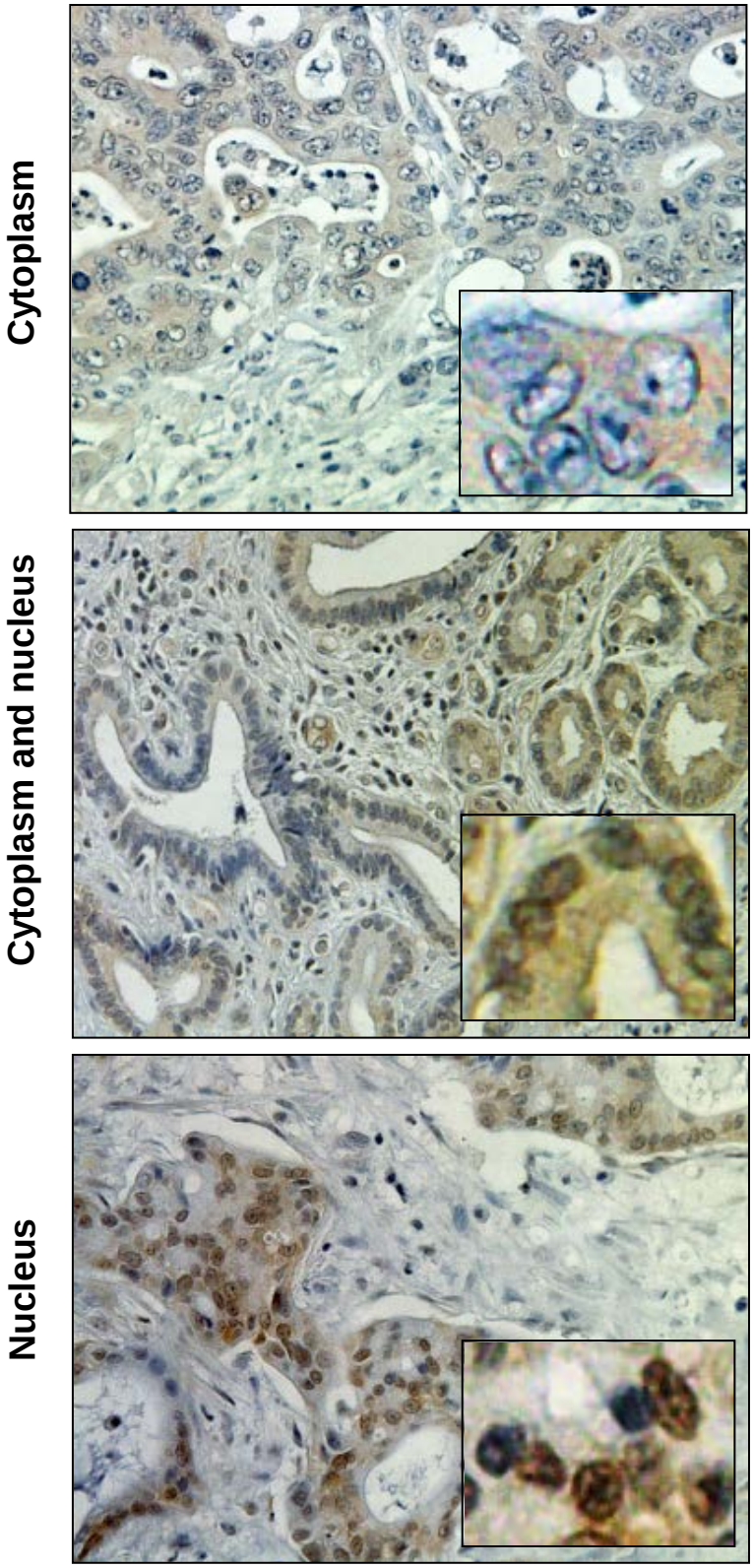
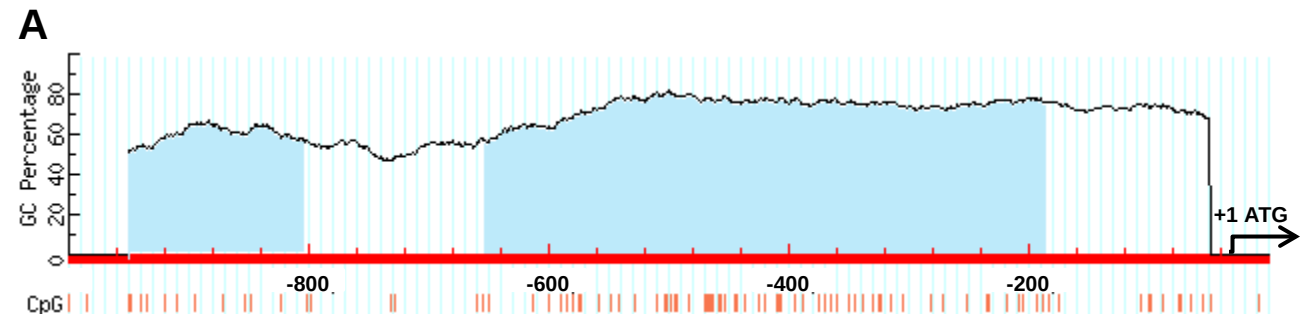
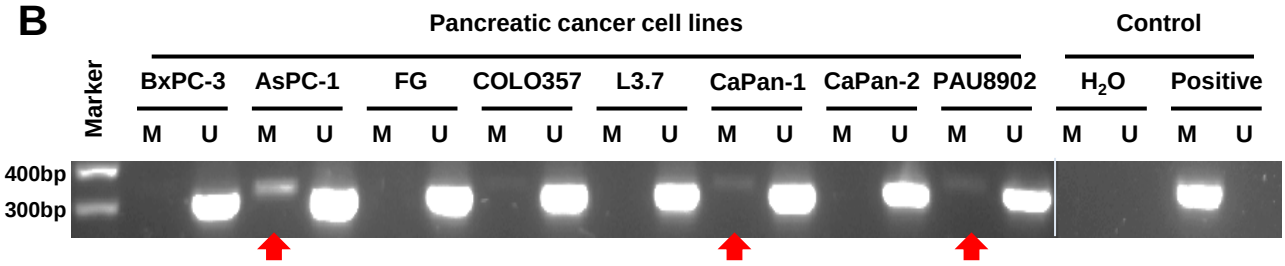
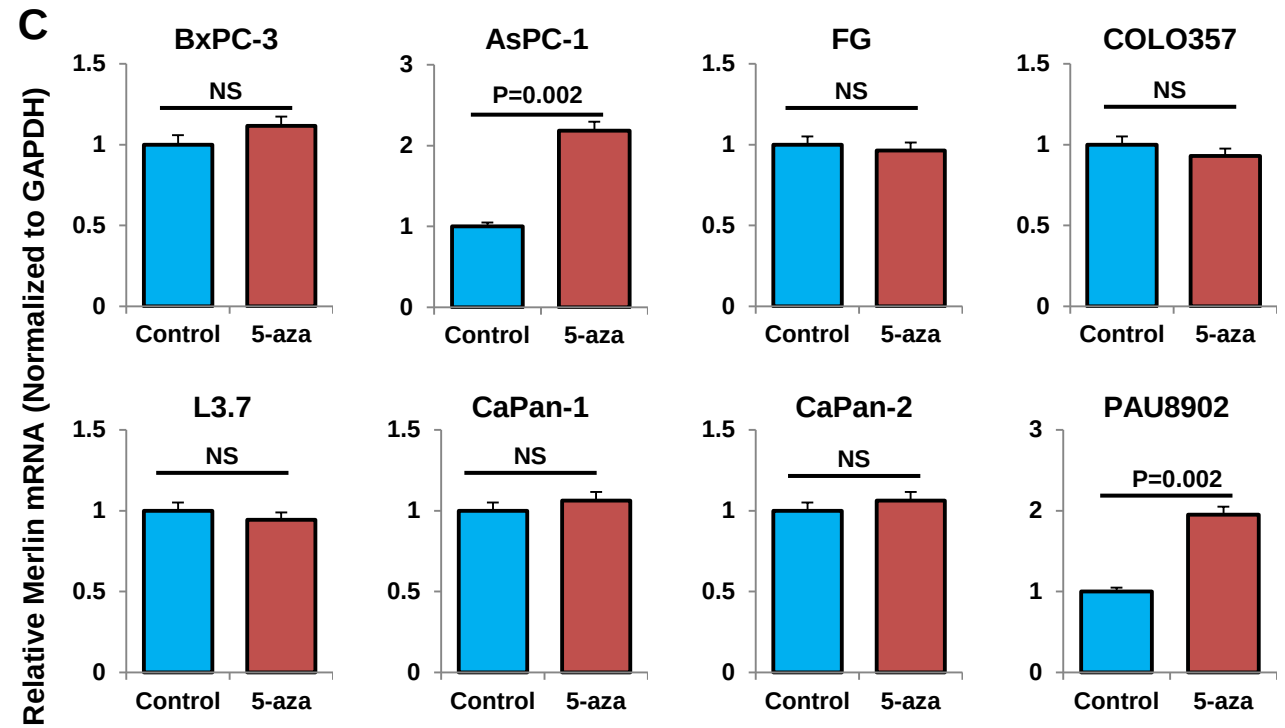

Cytoplasm
Cytoplasm and nucleus
Nucleus







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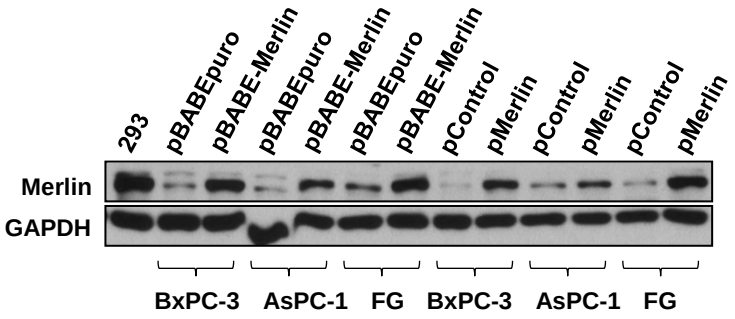
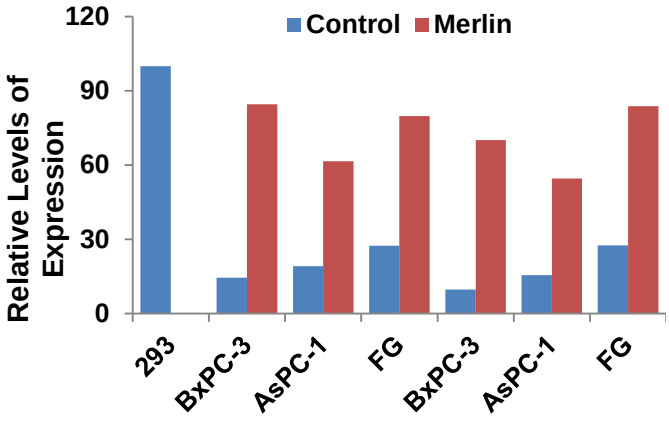
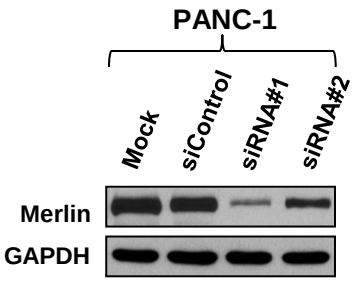
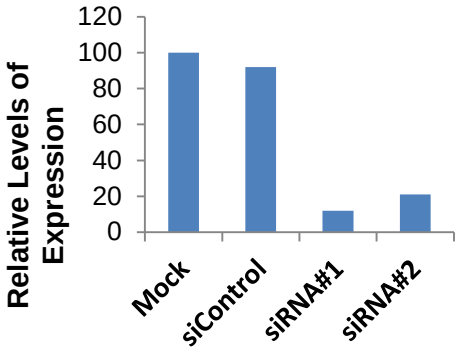
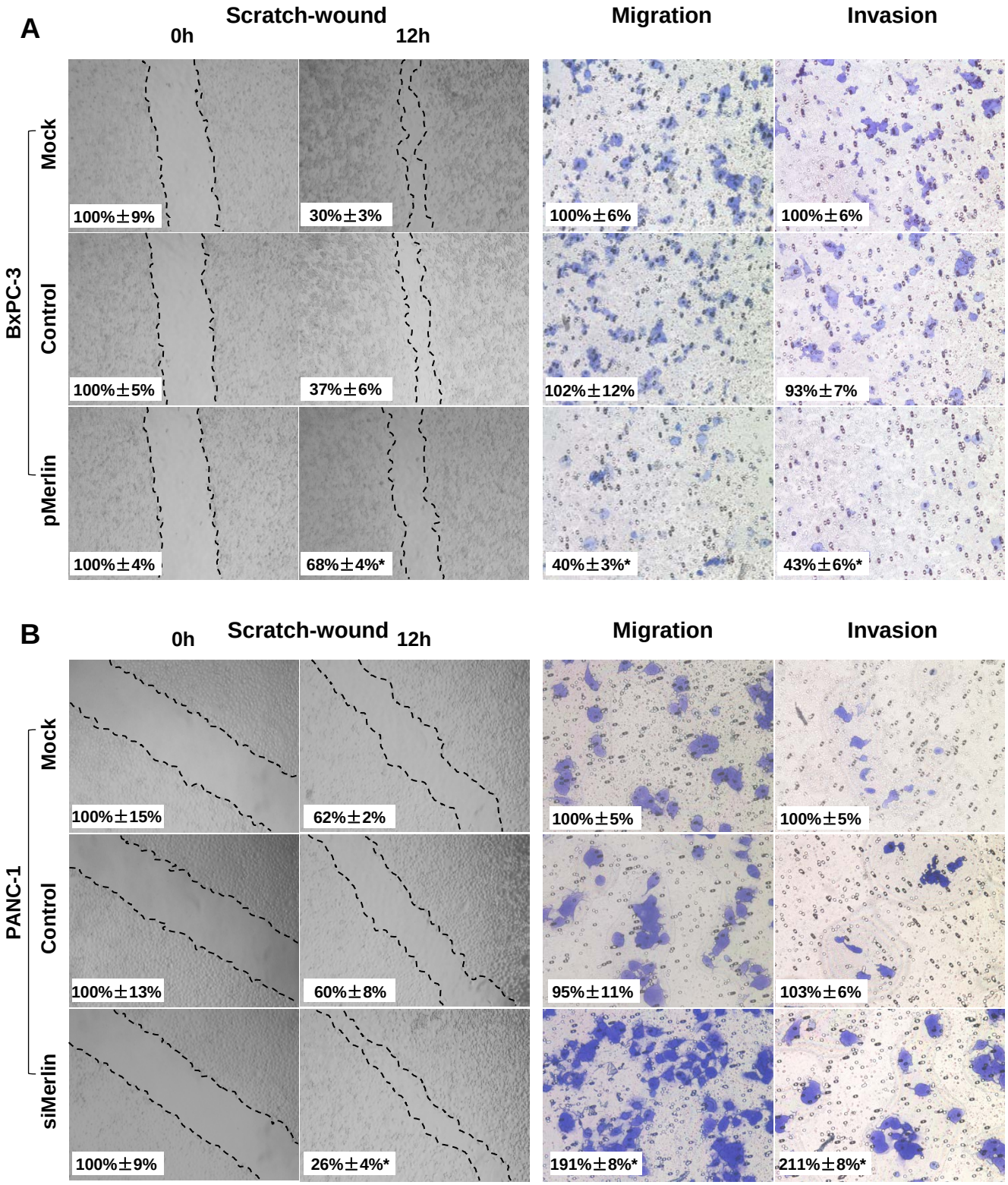
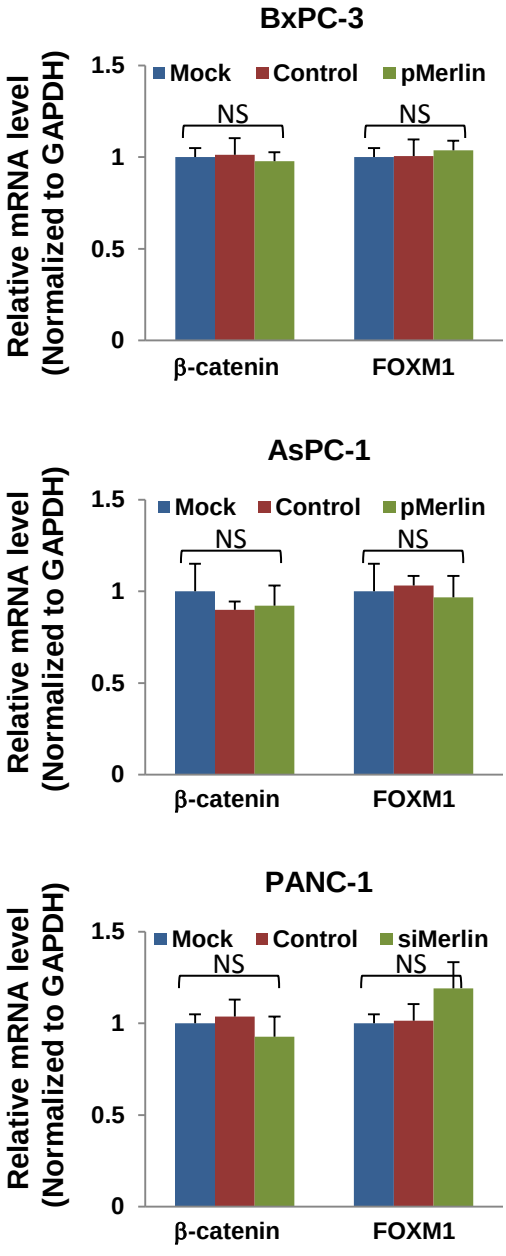

293
pBABEpuro
pBABE-Merlin
pBABEpuro
pBABE-Merlin
pBABEpuro
pBABE-Merlin
pControl
pMerlin
pControl
pMerlin
pControl
pMerlin
Merlin
GAPDH
BxPC-3
AsPC-1
FG
BxPC-3
AsPC-1
FG


120
90
60
30
0
Control
Merlin
Relative Levels of Expression
293
BxPC-3
AsPC-1
FG
BxPC-3
AsPC-1
FG


PANC-1
Mock
siControl
siRNA#1
siRNA#2
Merlin
GAPDH


120
100
80
60
40
20
0
Relative Levels of Expression
Mock
siControl
siRNA#1
siRNA#2


A
Scratch-wound
0h
12h
Migration
Invasion
BxPC-3
Mock
Control
pMerlin
100%±9%
30%±3%
100%±6%
100%±6%
100%±5%
37%±6%
102%±12%
93%±7%
100%±4%
68%±4%*
40%±3%*
43%±6%*
B
Scratch-wound
0h
12h
Migration
Invasion
PANC-1
Mock
Control
siMerlin
100%±15%
62%±2%
100%±5%
100%±5%
100%±13%
60%±8%
95%±11%
103%±6%
100%±9%
26%±4%*
191%±8%*
211%±8%*



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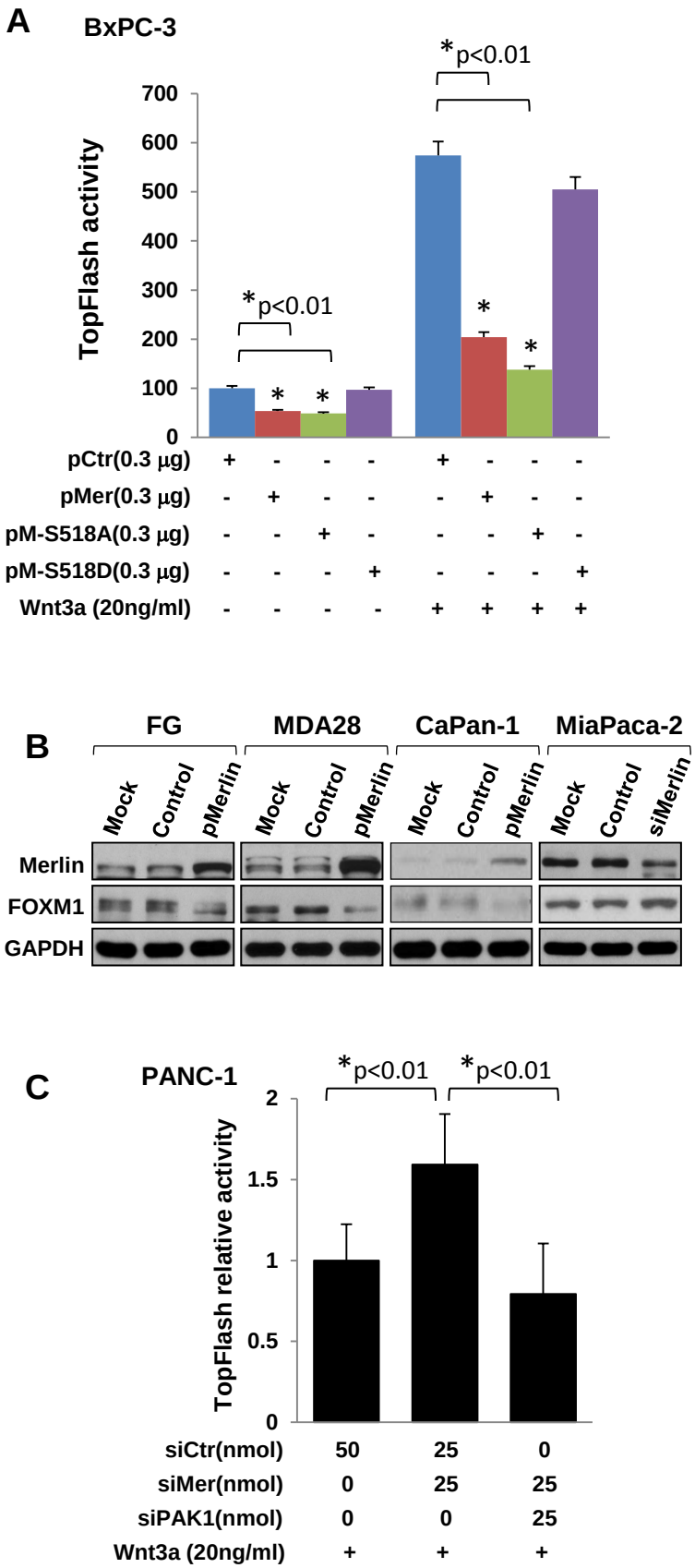
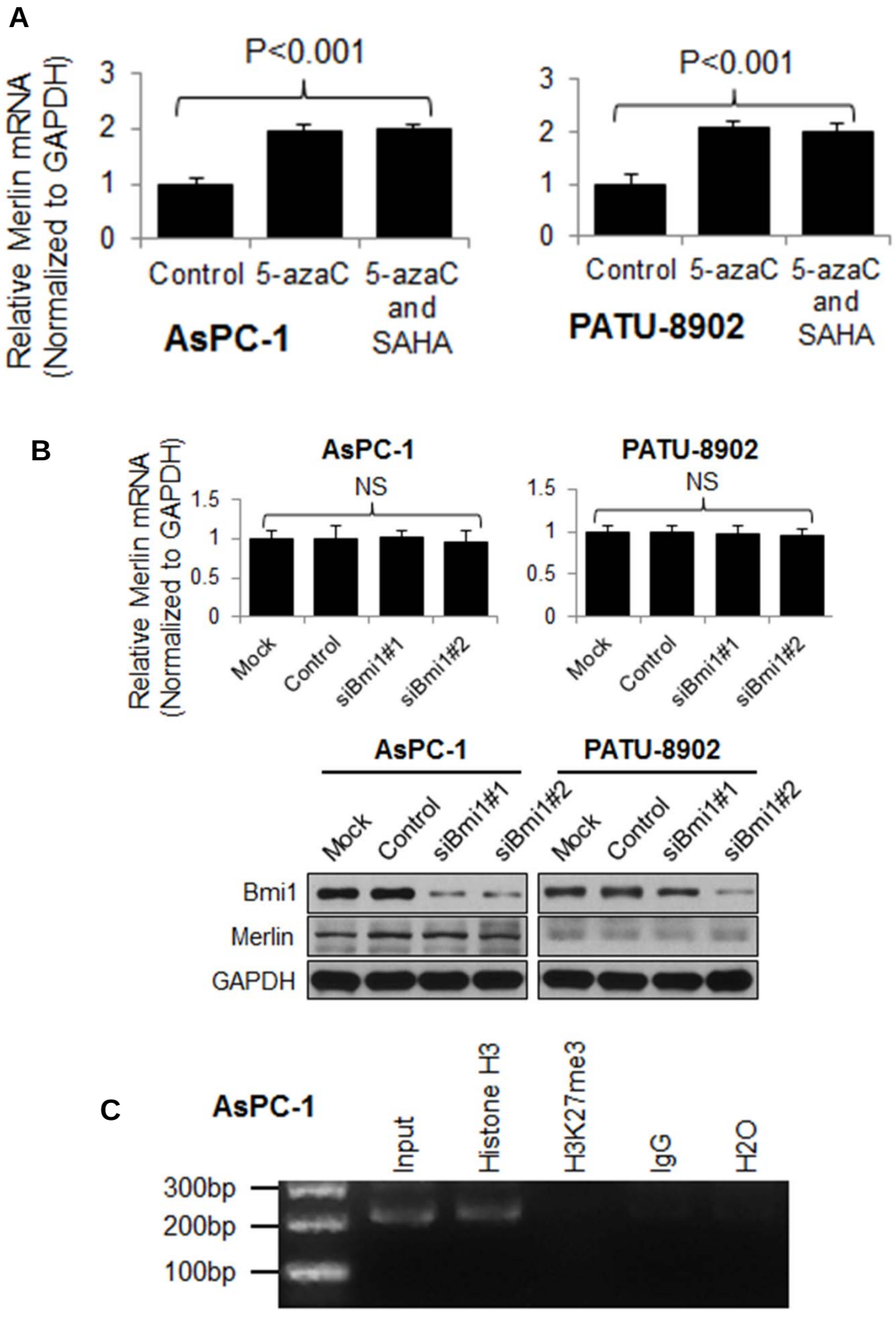

A
BxPC-3
*p<0.01
*p<0.01
TopFlash activity
700
600
500
400
300
200
100
0
pCtr(0.3 μg) + - - - + - - -
pMer(0.3 μg) - + - - - + - -
pM-S518A(0.3 μg) - - + - - - + -
pM-S518D(0.3 μg) - - - + - - - +
Wnt3a (20ng/ml) - - - - + + + +
B
FG
MDA28
CaPan-1
MiaPaca-2
Mock
Control
pMerlin
siMerlin
Merlin
FOXM1
GAPDH
C
PANC-1
*p<0.01
*p<0.01
TopFlash relative activity
2
1.5
1
0.5
0
siCtr(nmol) 50 25 0
siMer(nmol) 0 25 25
siPAK1(nmol) 0 0 25
Wnt3a (20ng/ml) + + +

Supplementary Figure S7
(new)