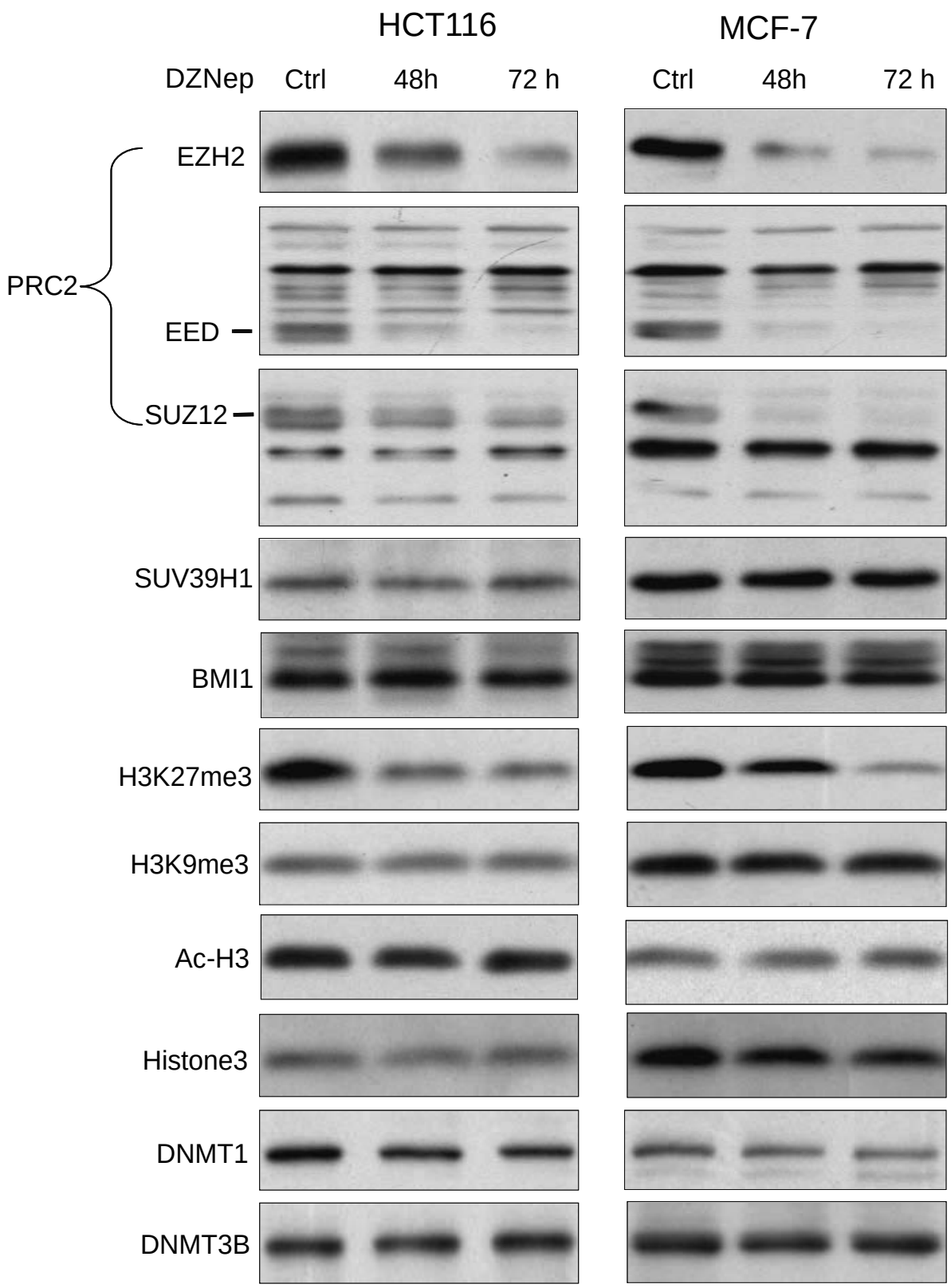

HCT116
MCF-7
DZNep
Ctrl
48h
72 h
Ctrl
48h
72 h
PRC2
EZH2
EED
SUZ12
SUV39H1
BMI1
H3K27me3
H3K9me3
Ac-H3
Histone3
DNMT1
DNMT3B

Fig. 1A

Fig. 1B

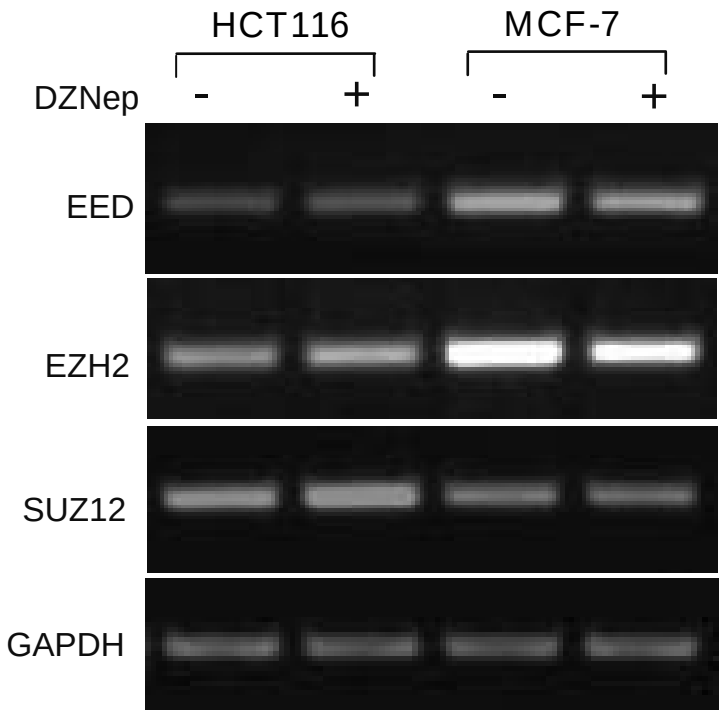
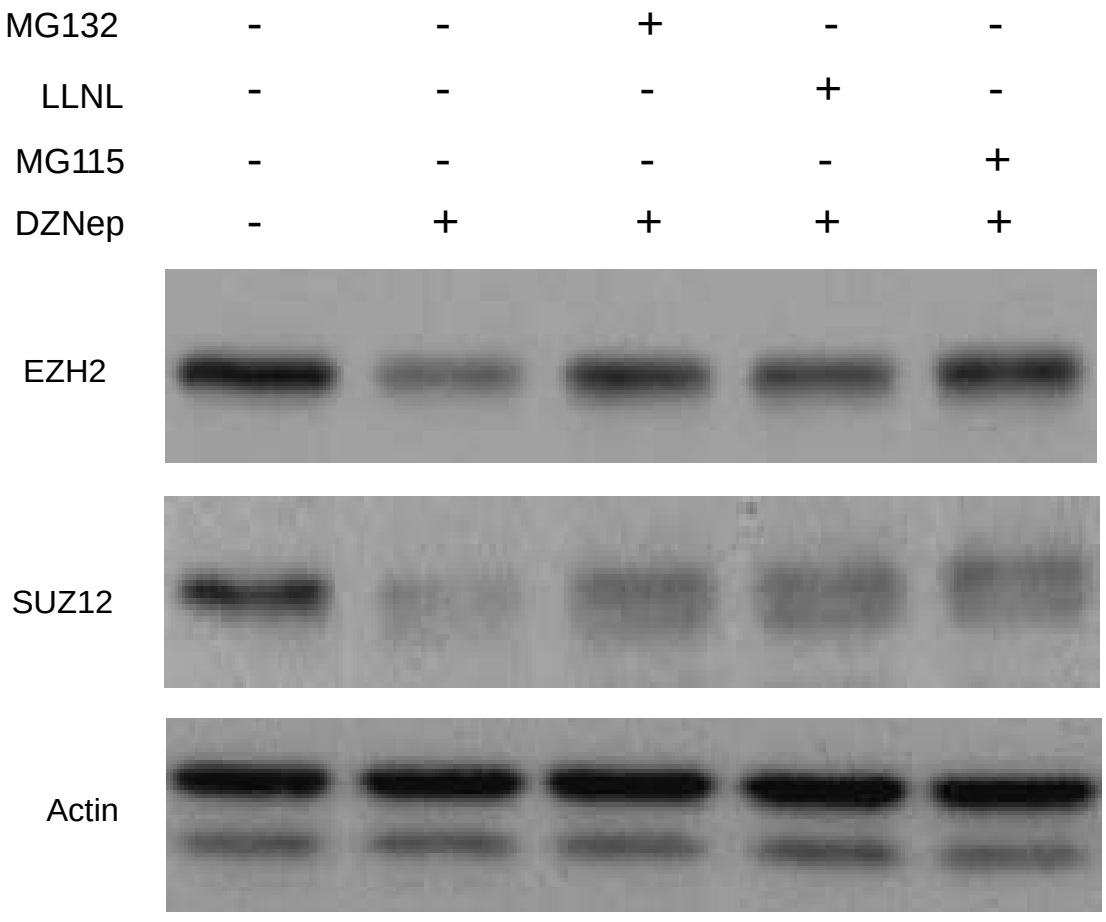

HCT116
MCF-7
DZNep
-
+
-
+
EED
EZH2
SUZ12
GAPDH

Fig. 1C


MG132 - - + - -
LLNL - - - + -
MG115 - - - - +
DZNep - + + + +
EZH2
SUZ12
Actin

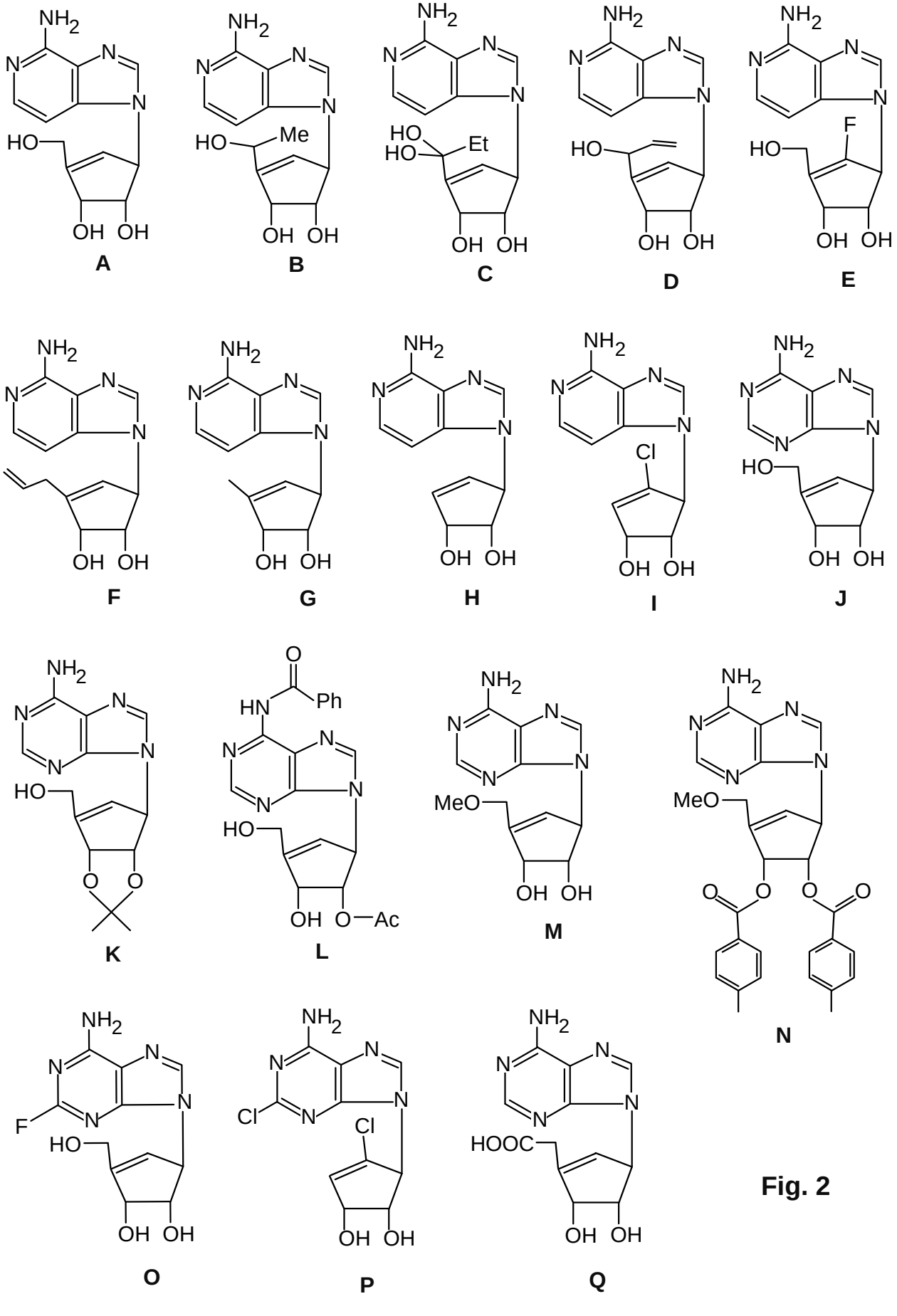


Fig. 2

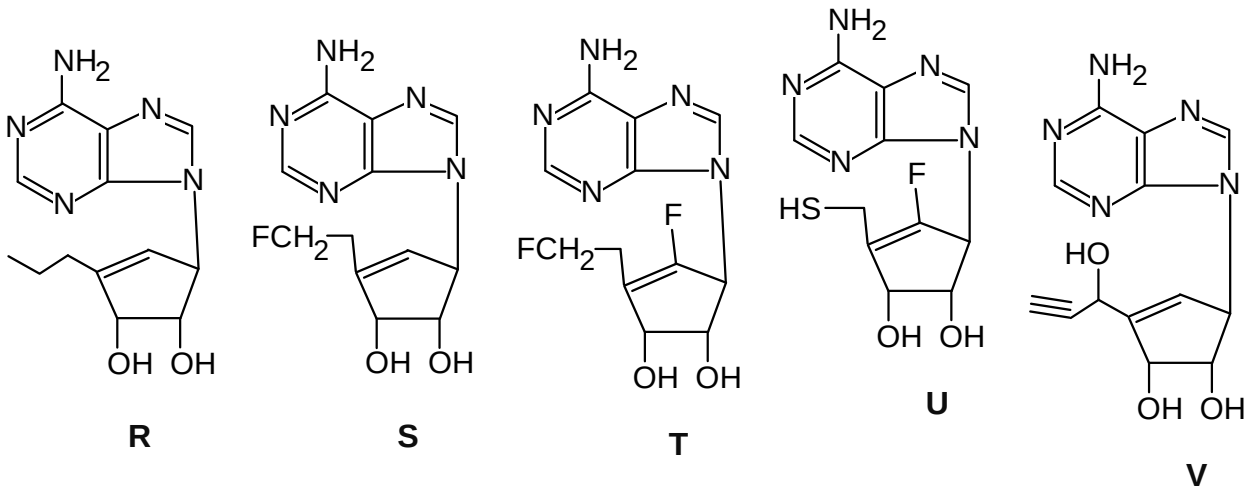


Fig. 2 (cont.)

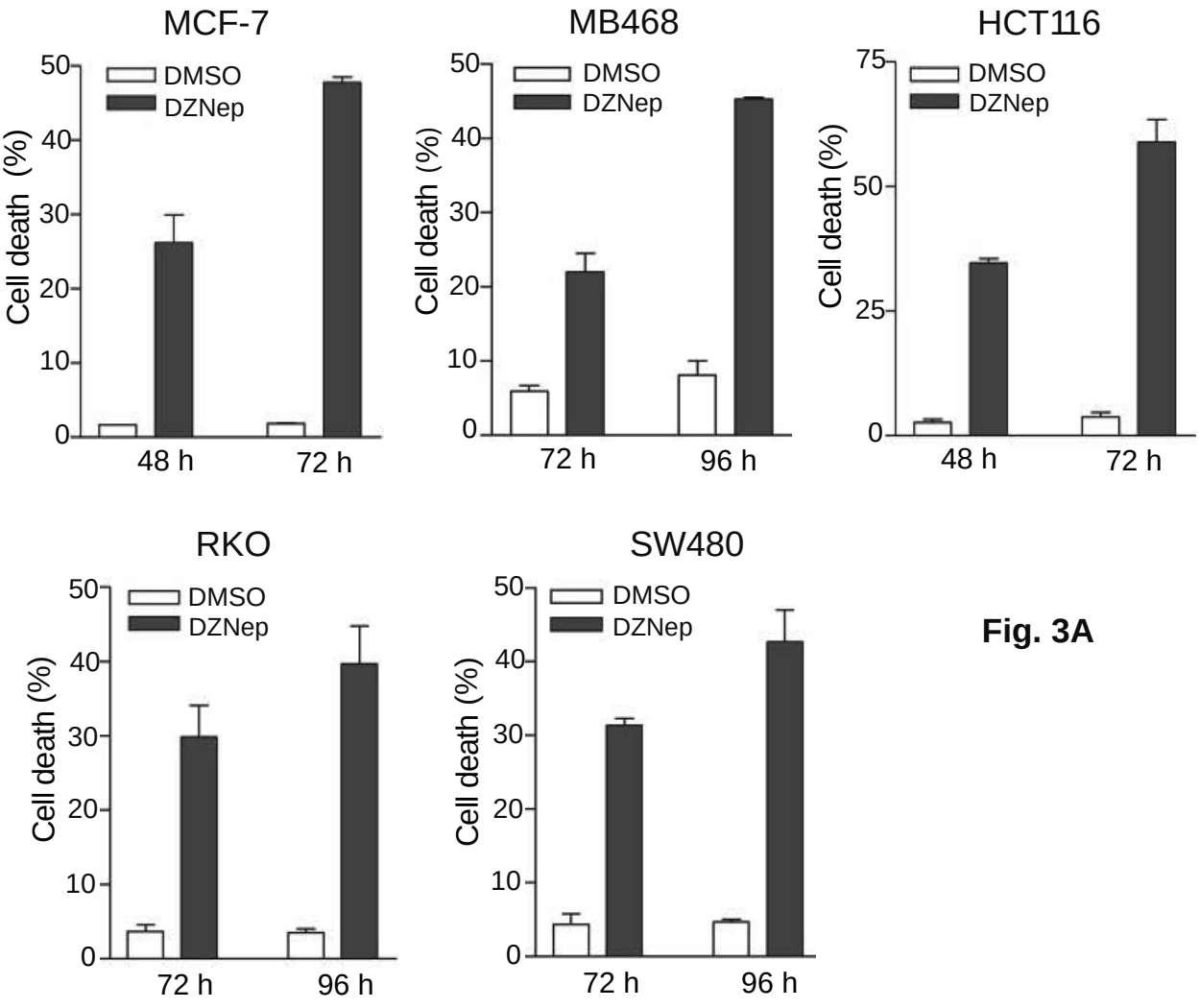


Fig. 3A

Fig. 3B

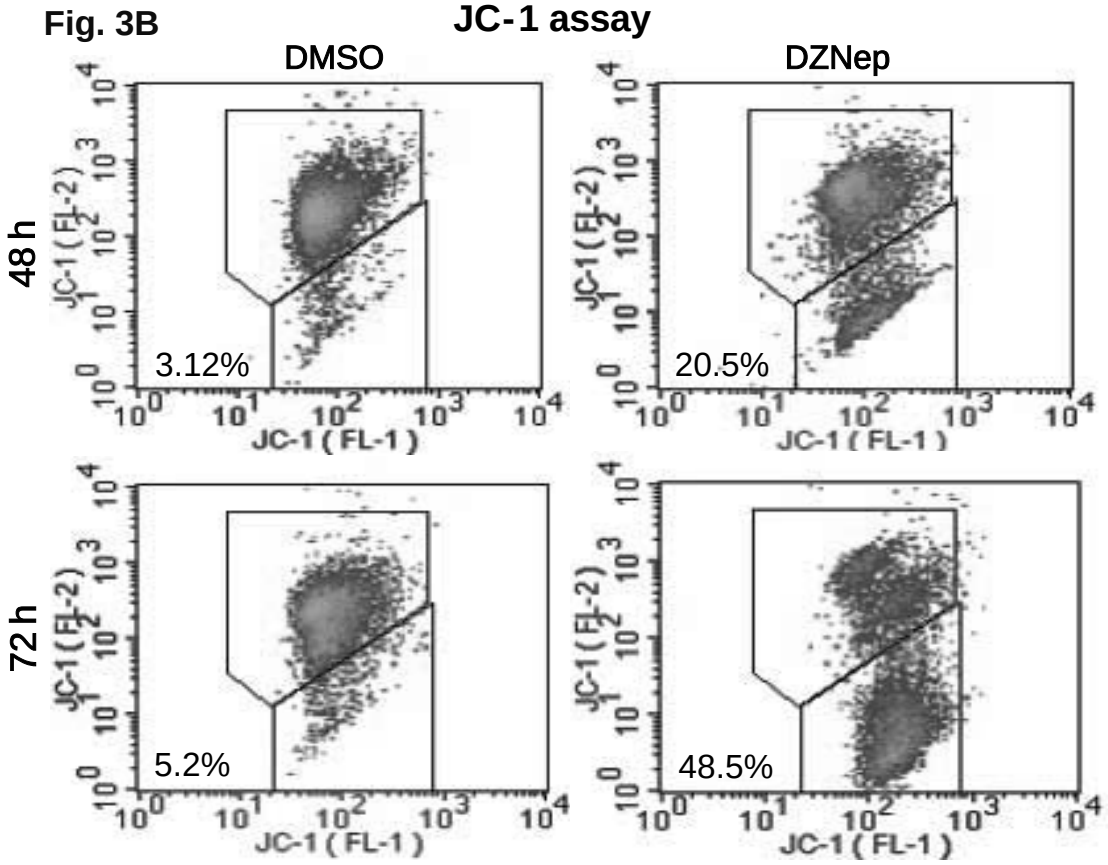

JC-1 assay
DMSO
DZNep
48 h
72 h
3.12%
20.5%
5.2%
48.5%
JC-1 (FL-1)
JC-1 (FL-2)

Fig. 3C

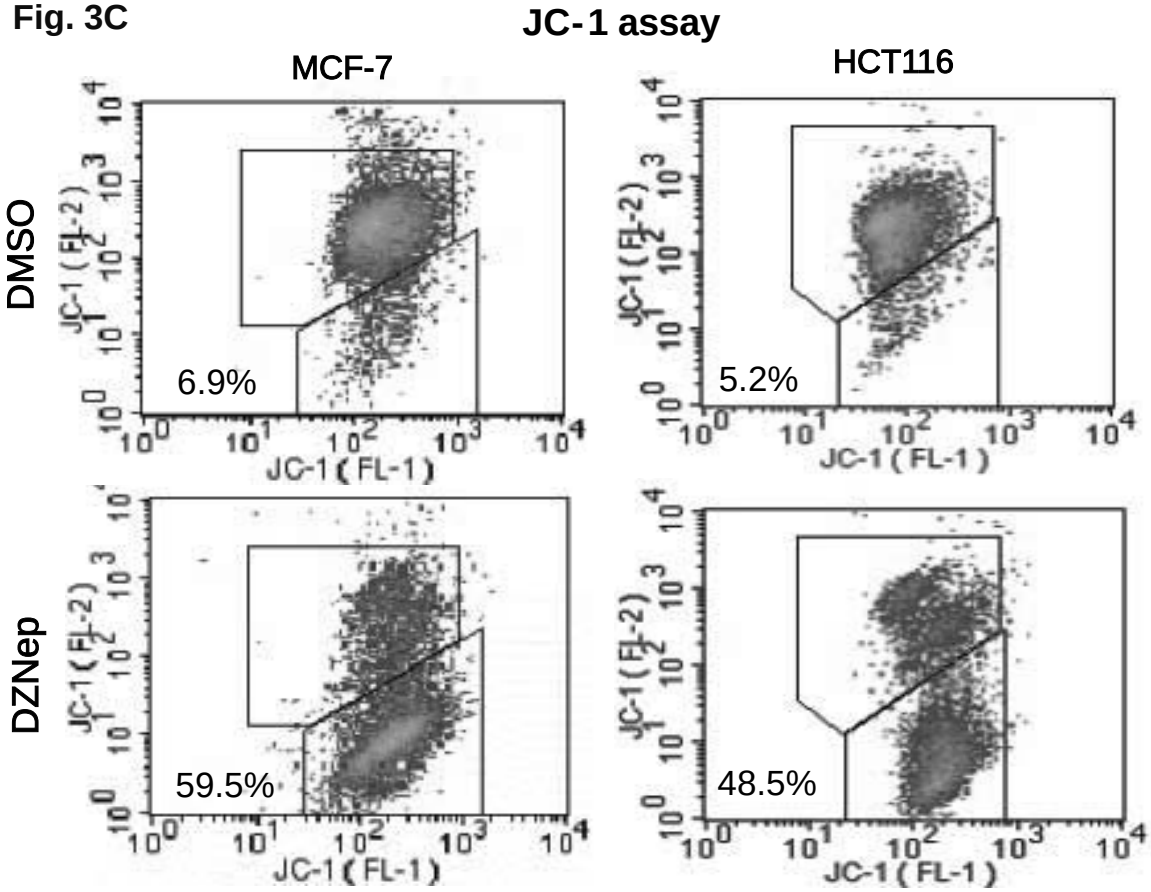

JC-1 assay
MCF-7
HCT116
DMSO
DZNep
6.9%
5.2%
59.5%
48.5%
JC-1 (FL-1)
JC-1 (FL-2)

Fig. 3D

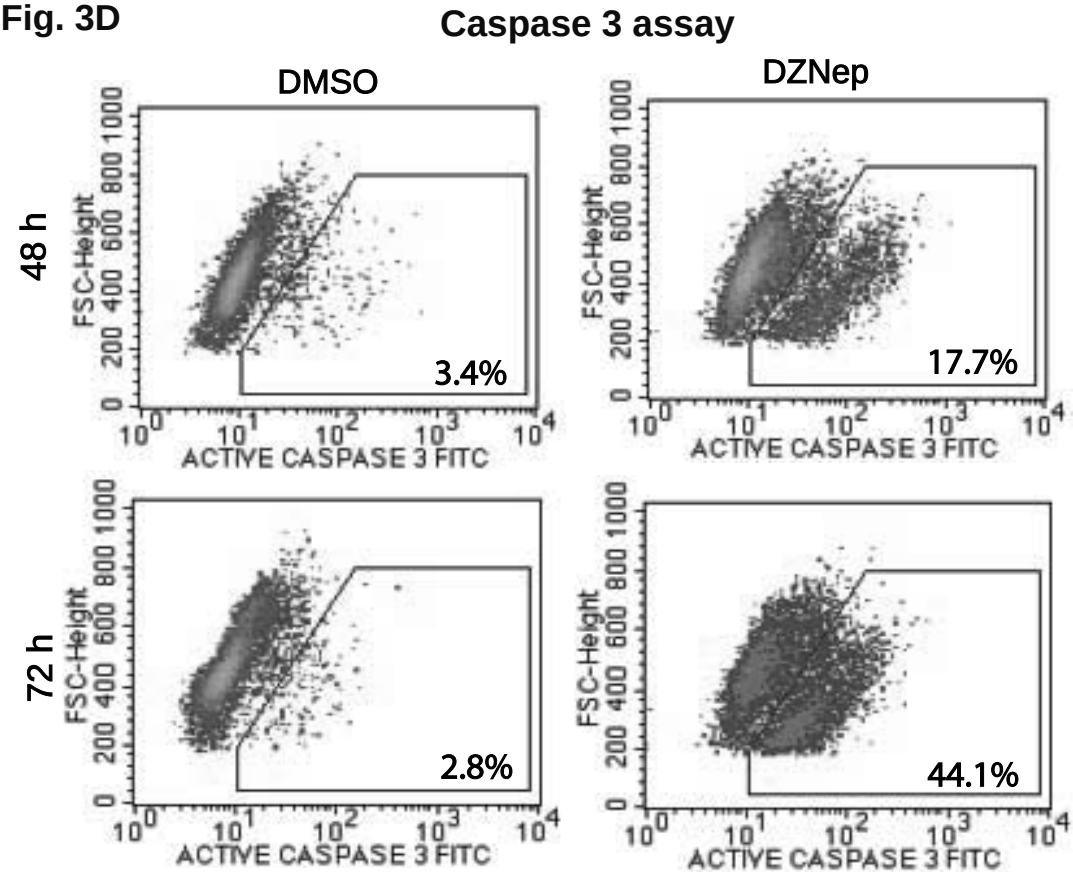

Caspase 3 assay
DMSO
DZNep
48 h
72 h
FSC-Height
ACTIVE CASPASE 3 FITC
3.4%
17.7%
2.8%
44.1%

Fig. 3E

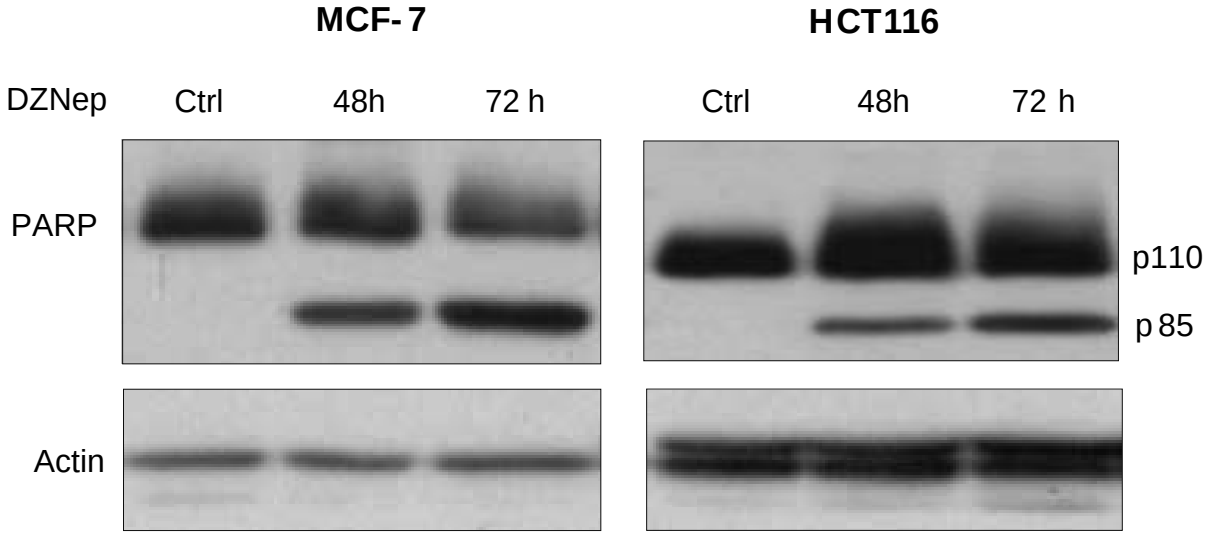

MCF-7
HCT116
DZNep
Ctrl
48h
72 h
Ctrl
48h
72 h
PARP
p110
p 85
Actin

Fig. 3F

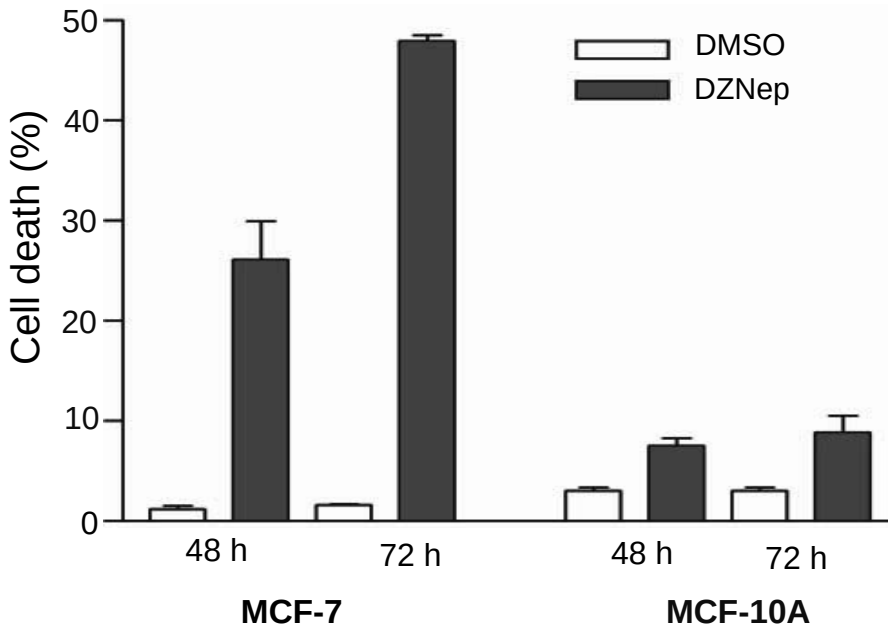

50
40
30
20
10
0
Cell death (%)
DMSO
DZNep
48 h
72 h
48 h
72 h
MCF-7
MCF-10A

Fig. 3G

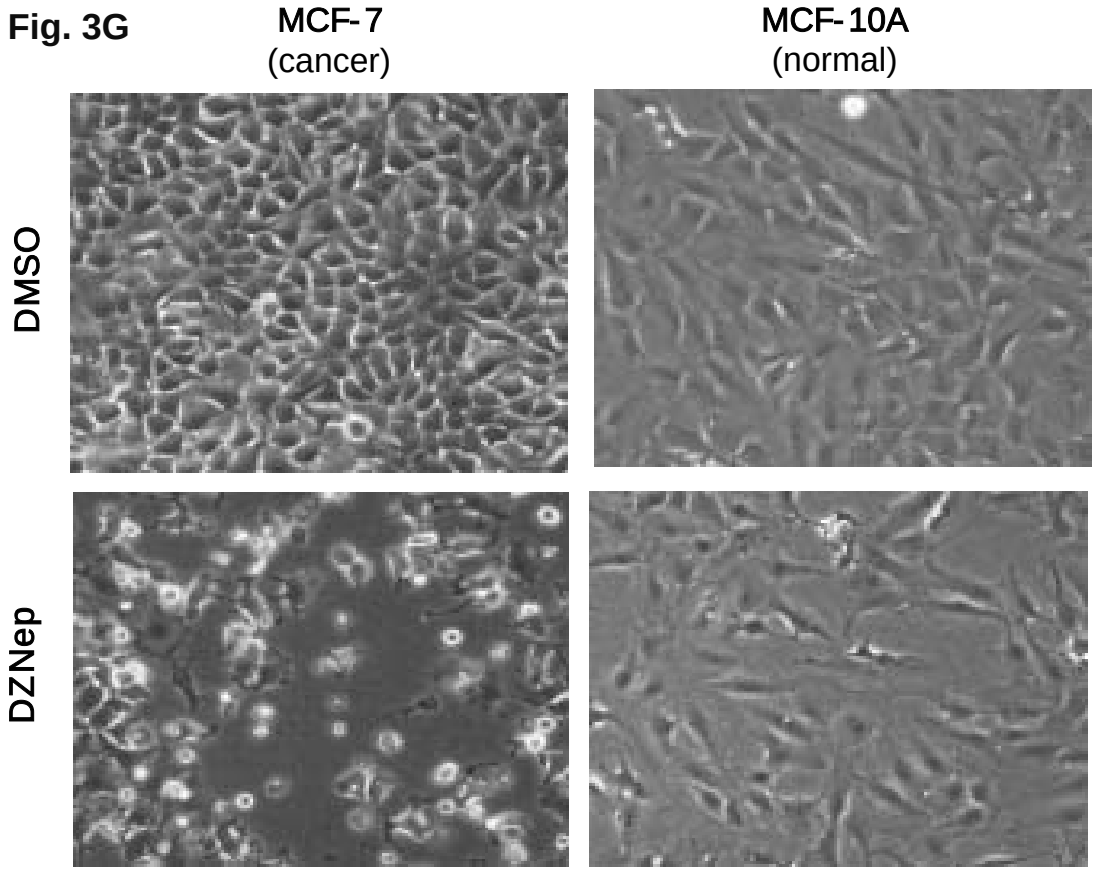

MCF-7
(cancer)
MCF-10A
(normal)
DMSO
DZNep

Fig. 3H

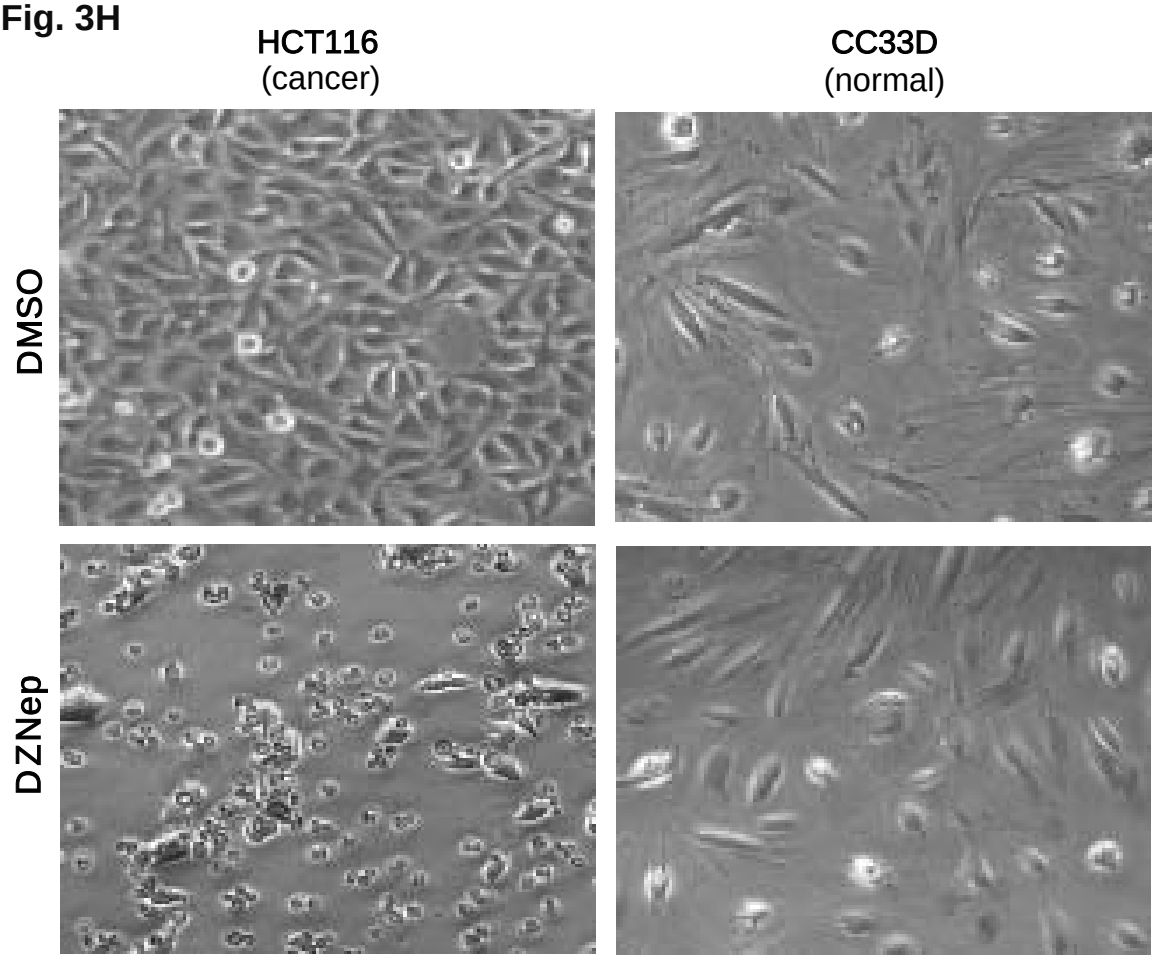


Fig. 3I

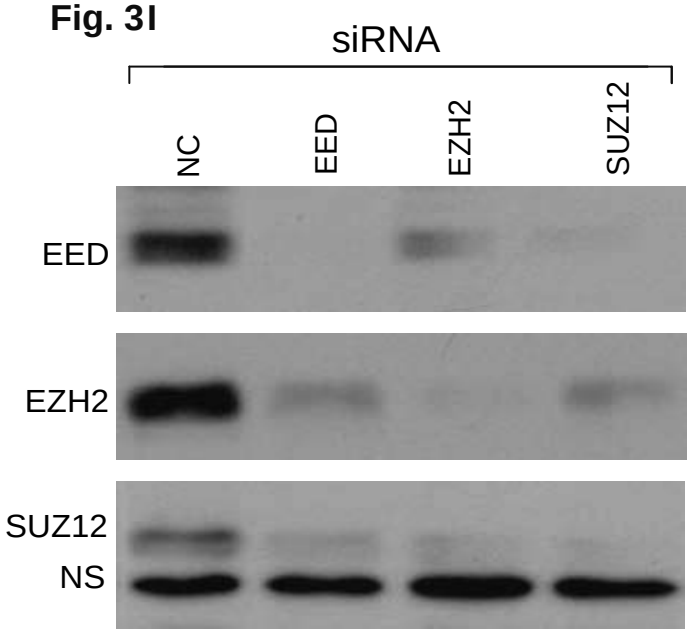
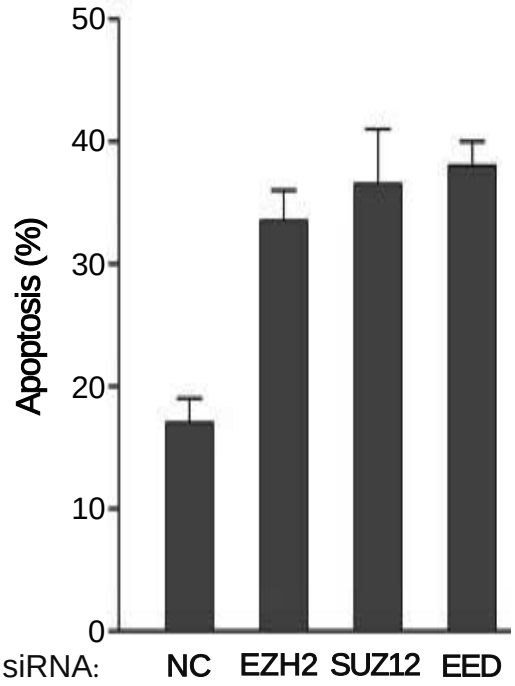


Fig. 3J



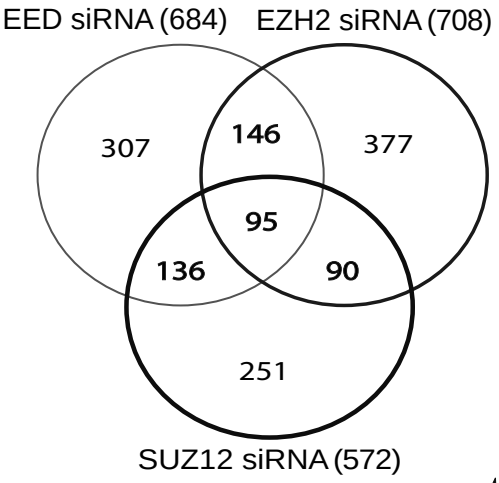


Fig. 4A

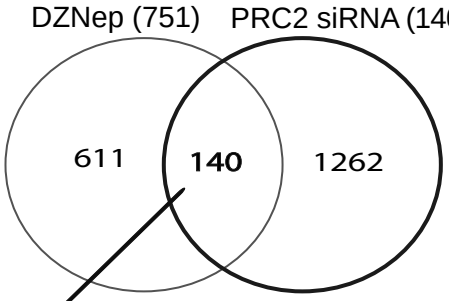


Fig. 4B

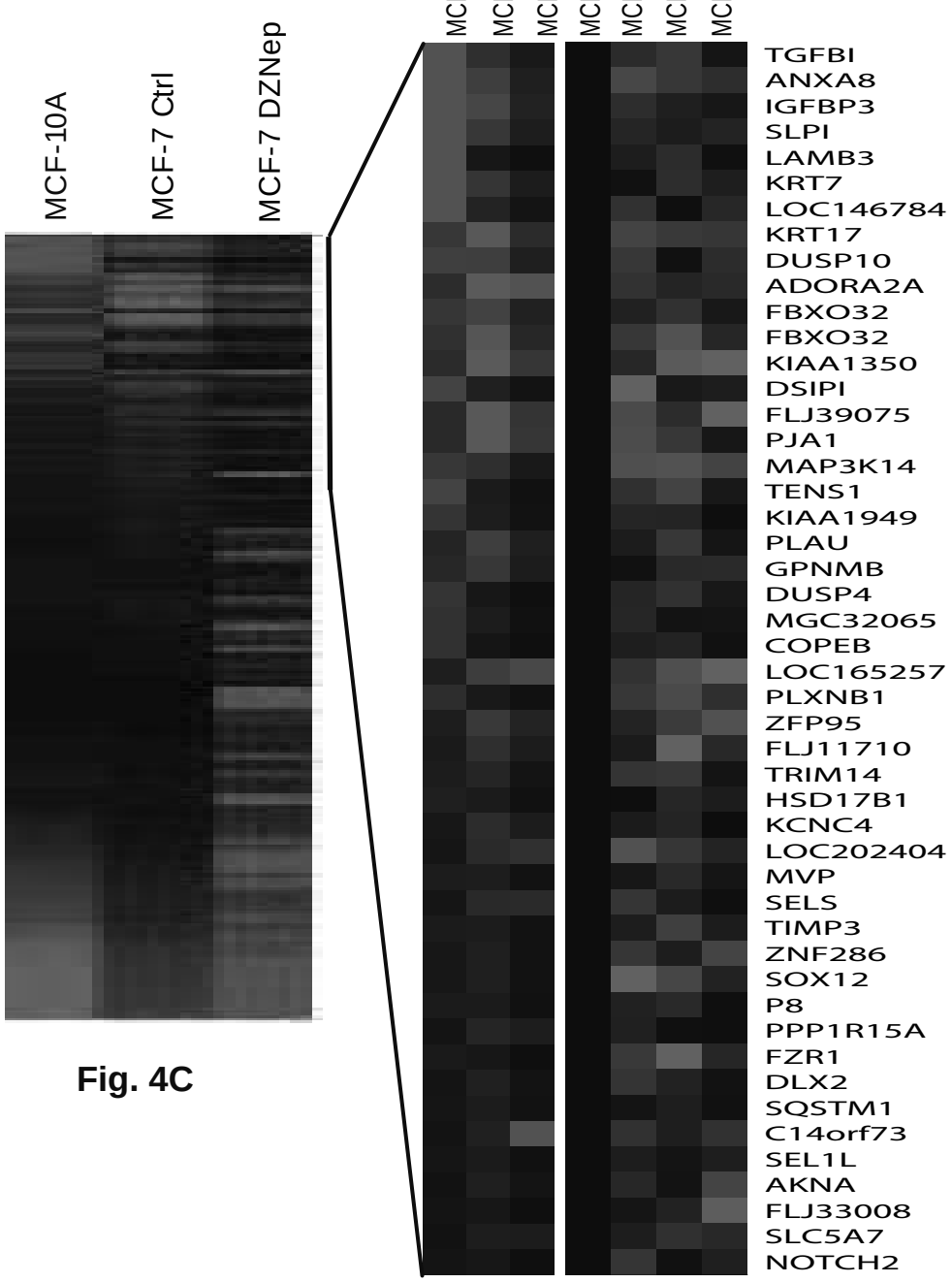


Fig. 4C

Fig. 4D

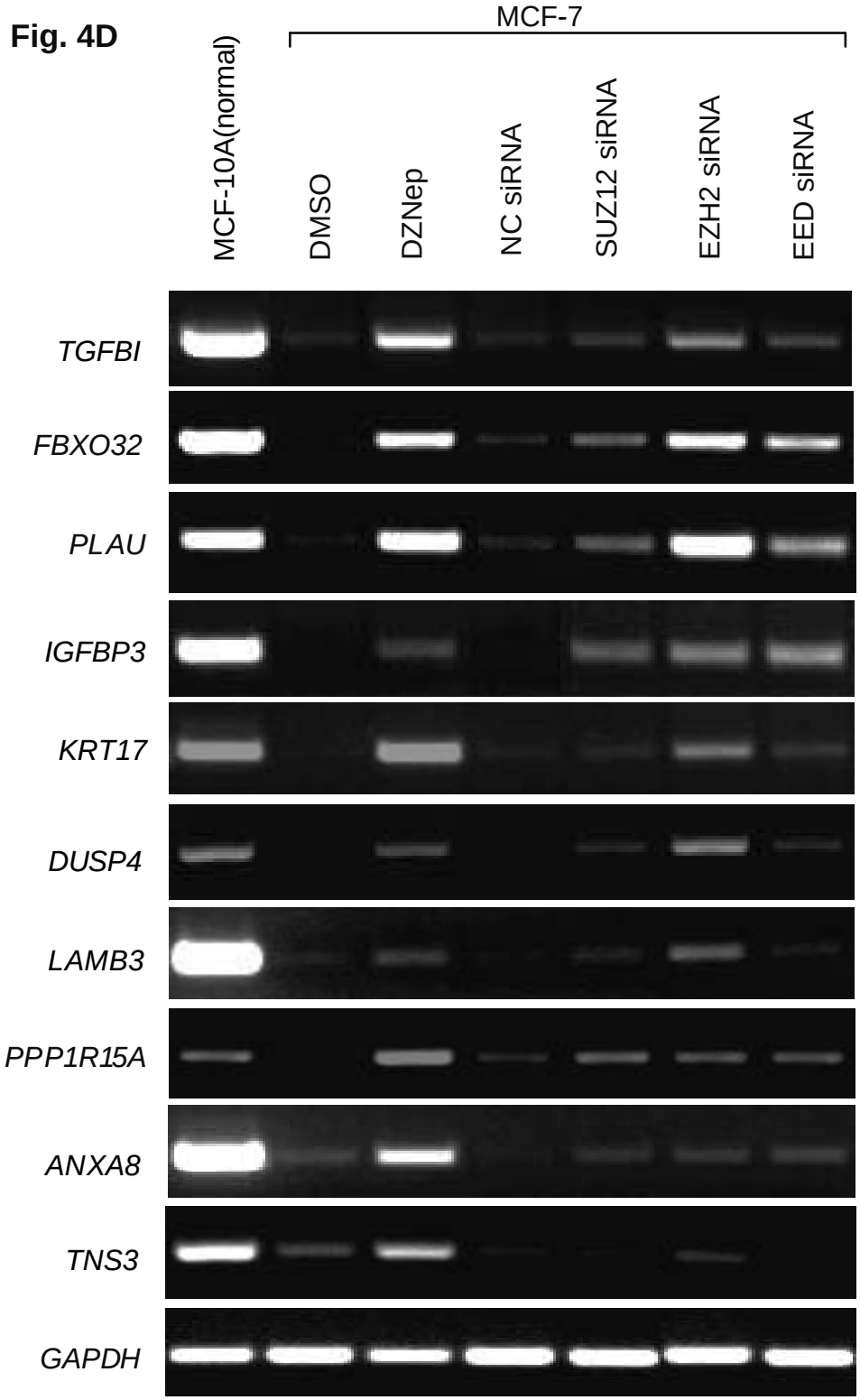
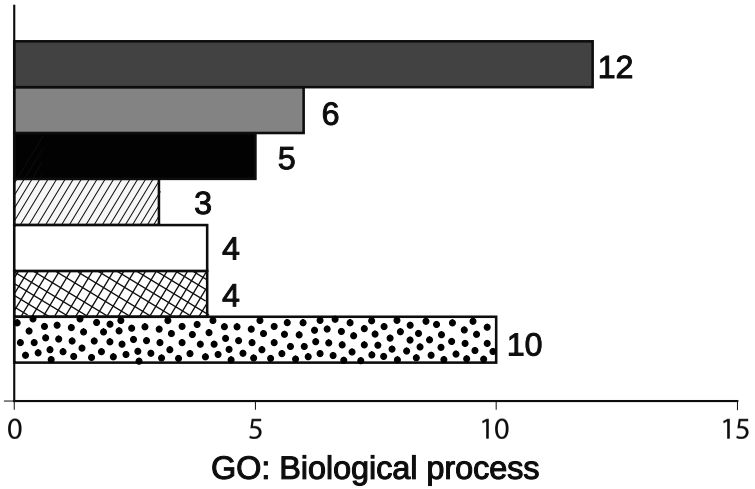

MCF-7
MCF-10A(normal)
DMSO
DZNep
NC siRNA
SUZ12 siRNA
EZH2 siRNA
EED siRNA
TGFBI
FBXO32
PLAU
IGFBP3
KRT17
DUSP4
LAMB3
PPP1R15A
ANXA8
TNS3
GAPDH

Fig. 4E


12
6
5
3
4
4
10
0
5
10
15
GO: Biological process

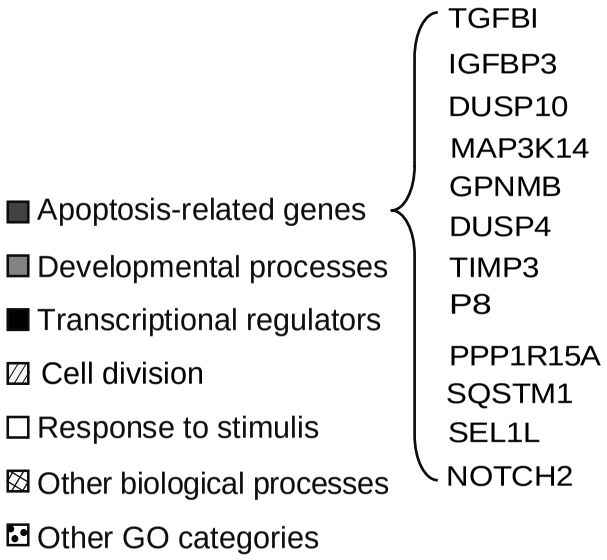
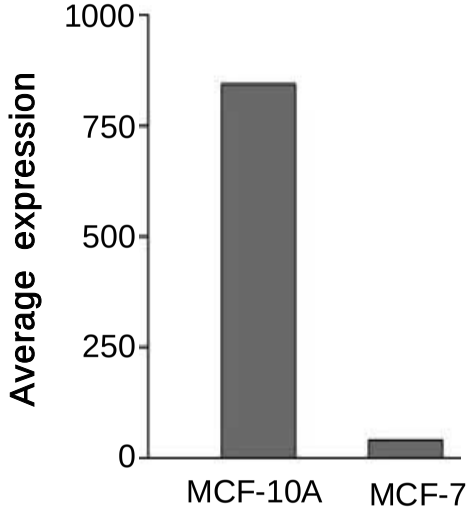

Apoptosis-related genes
Developmental processes
Transcriptional regulators
Cell division
Response to stimulis
Other biological processes
Other GO categories
TGFBI
IGFBP3
DUSP10
MAP3K14
GPNMB
DUSP4
TIMP3
P8
PPP1R15A
SQSTM1
SEL1L
NOTCH2

Fig. 4F


Average expression
1000
750
500
250
0
MCF-10A
MCF-7

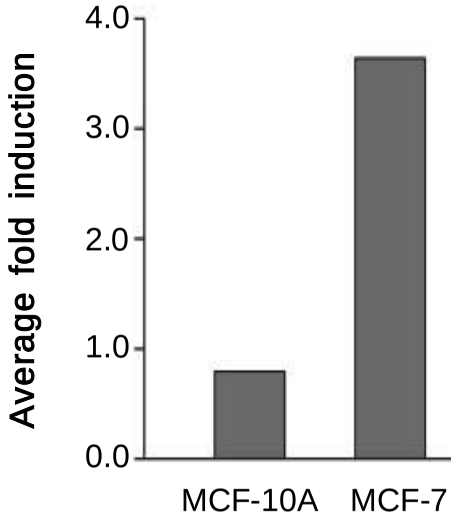
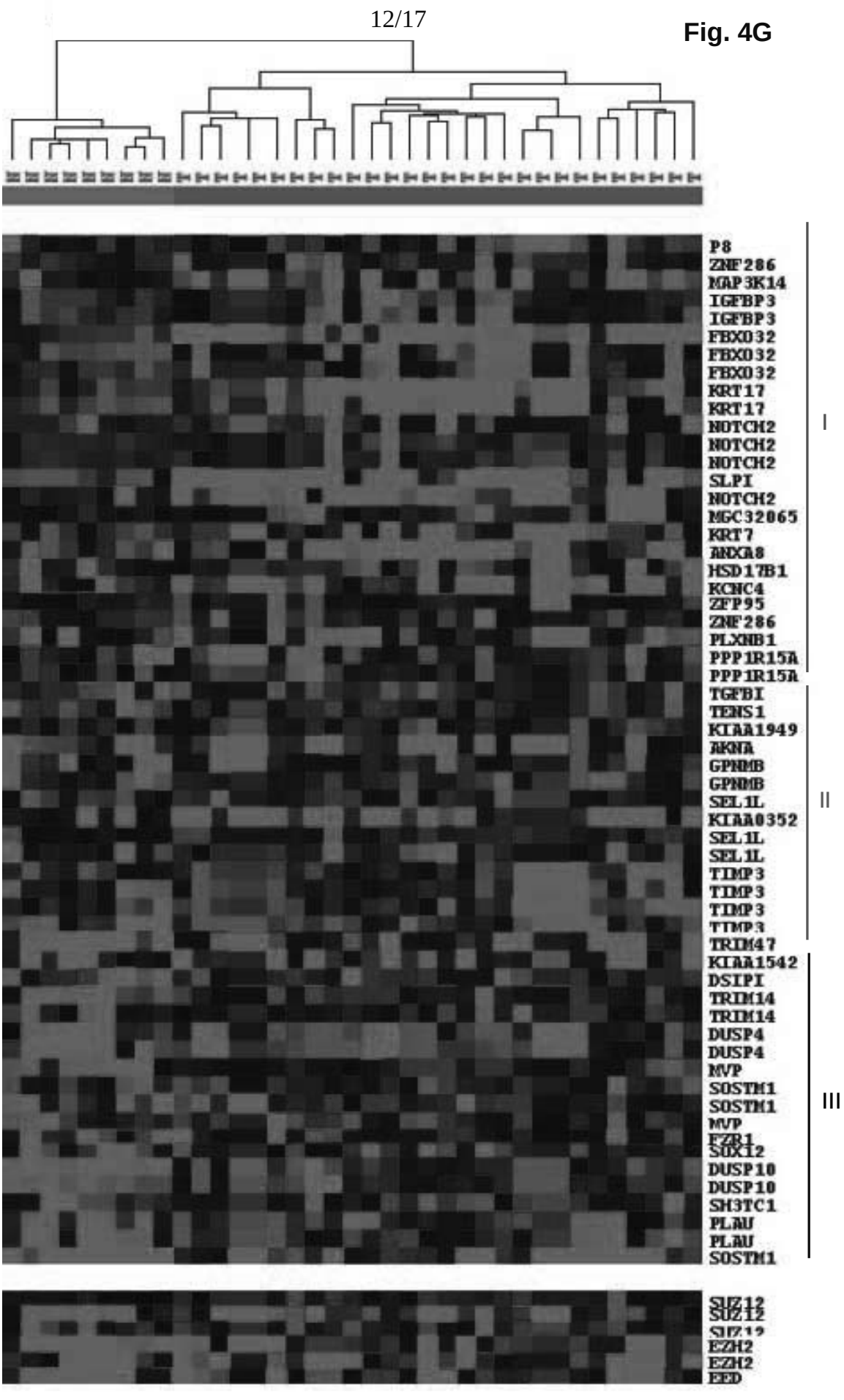

Average fold induction
4.0
3.0
2.0
1.0
0.0
MCF-10A
MCF-7

Fig. 4G


P8
ZNF286
MAP3K14
IGFBP3
IGFBP3
FBXO32
FBXO32
FBXO32
KRT17
KRT17
NOTCH2
NOTCH2
NOTCH2
SLPI
NOTCH2
MGC32065
KRT7
ANXA8
HSD17B1
KCNC4
ZFP95
ZNF286
PLXNB1
PPP1R15A
PPP1R15A
TGFBI
TENS1
KIAA1949
AKNA
GPNMB
GPNMB
SEL1L
KIAA0352
SEL1L
SEL1L
TIMP3
TIMP3
TIMP3
TIMP3
TRIM47
KIAA1542
DSIPI
TRIM14
TRIM14
DUSP4
DUSP4
MVP
SOSTM1
SOSTM1
MVP
FZR1
SOX12
DUSP10
DUSP10
SH3TC1
PLAU
PLAU
SOSTM1
SUZ12
SUZ12
SUZ12
EZH2
EZH2
EED
I
II
III

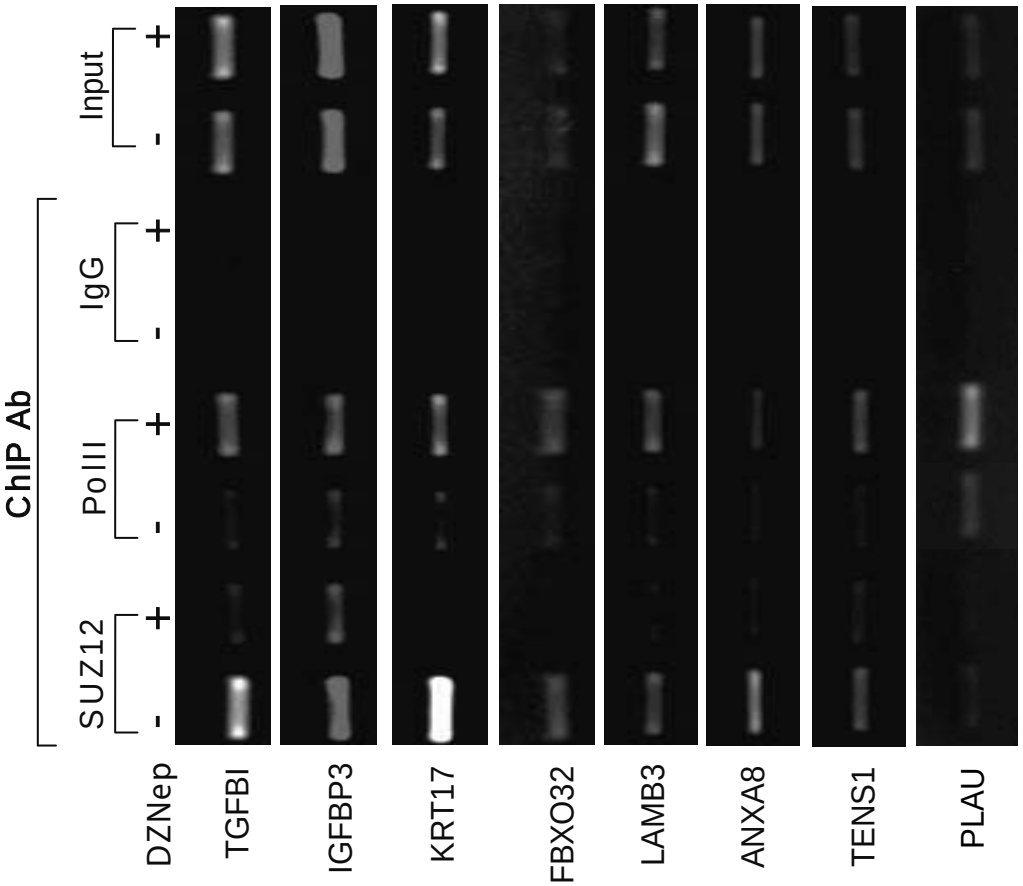

ChIP Ab
SUZ12
PolII
IgG
Input
- + - + - + - +
DZNep
TGFBI
IGFBP3
KRT17
FBXO32
LAMB3
ANXA8
TENS1
PLAU

Fig. 5B

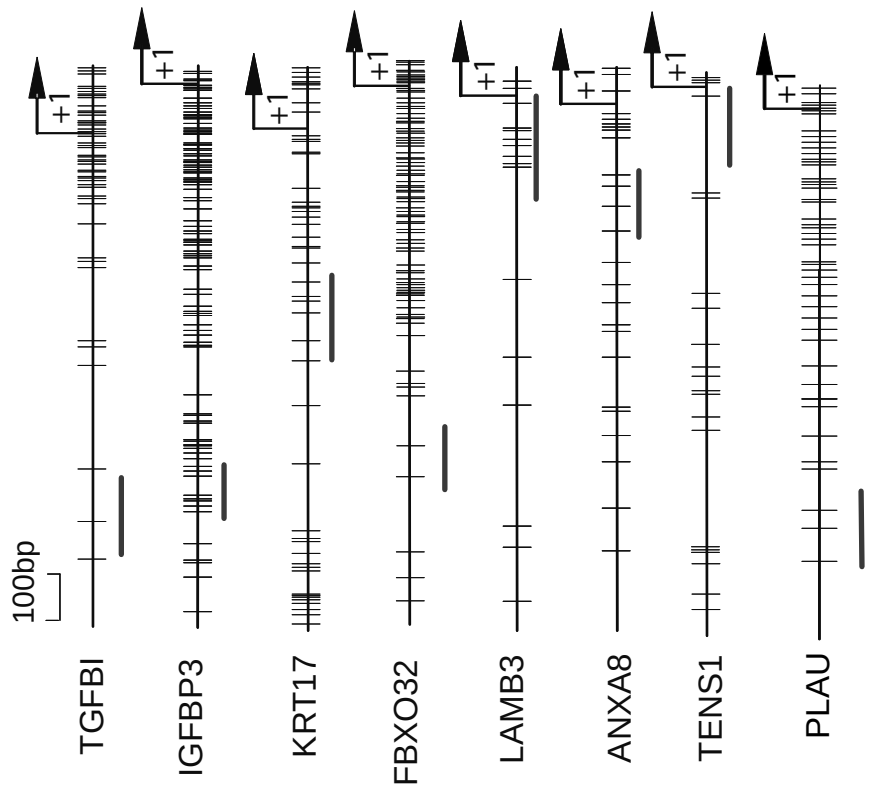

100bp
+1
TGFBI
IGFBP3
KRT17
FBXO32
LAMB3
ANXA8
TENS1
PLAU

Fig. 5A

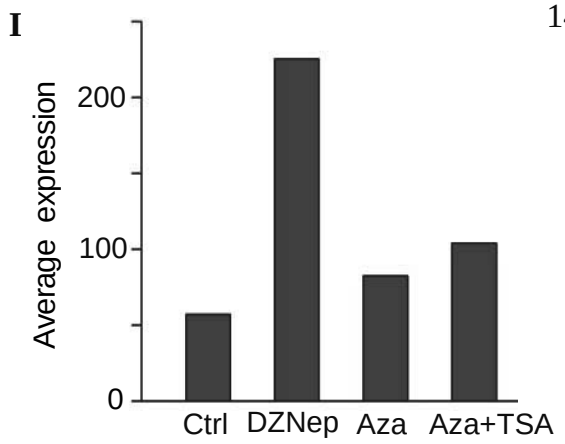
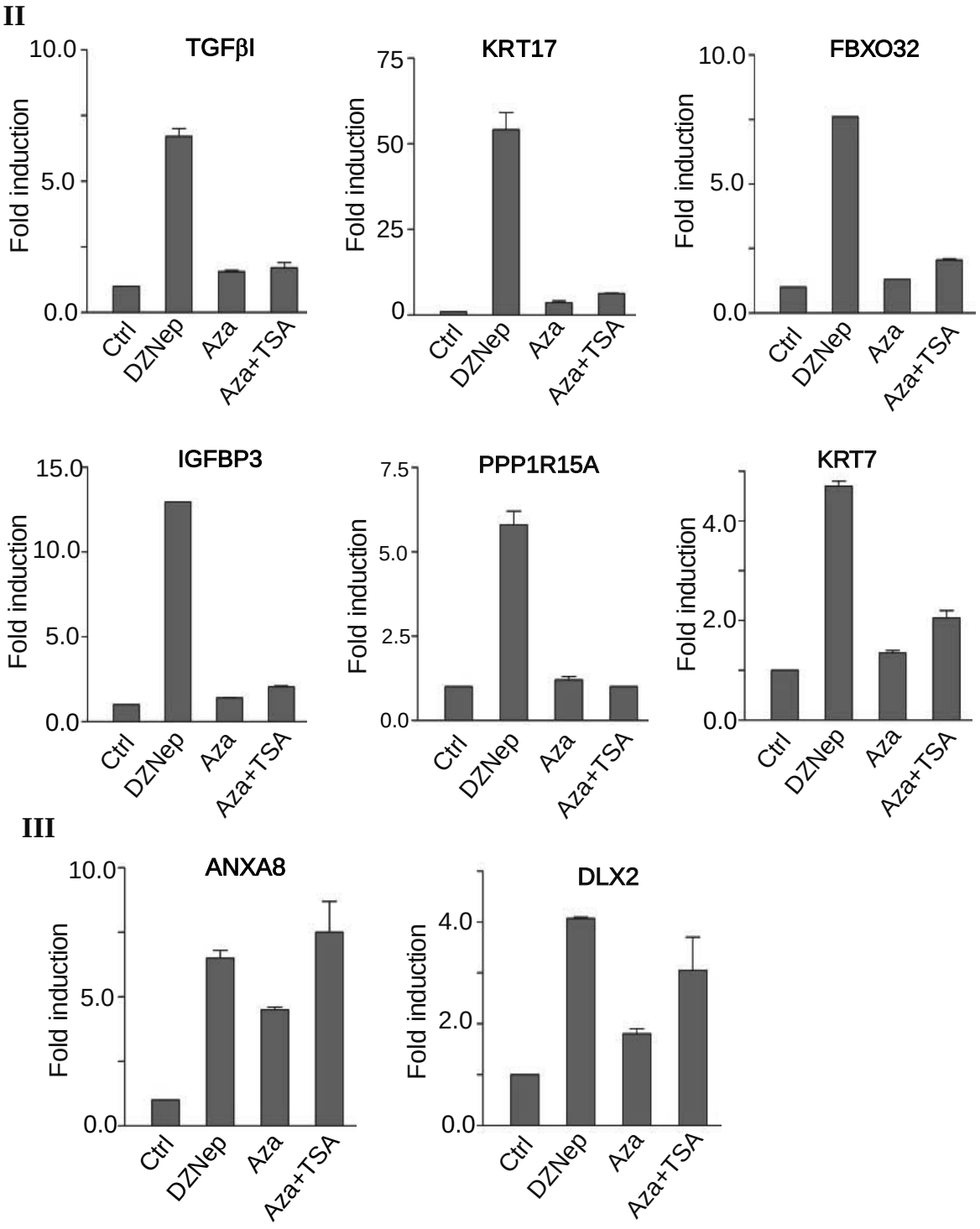
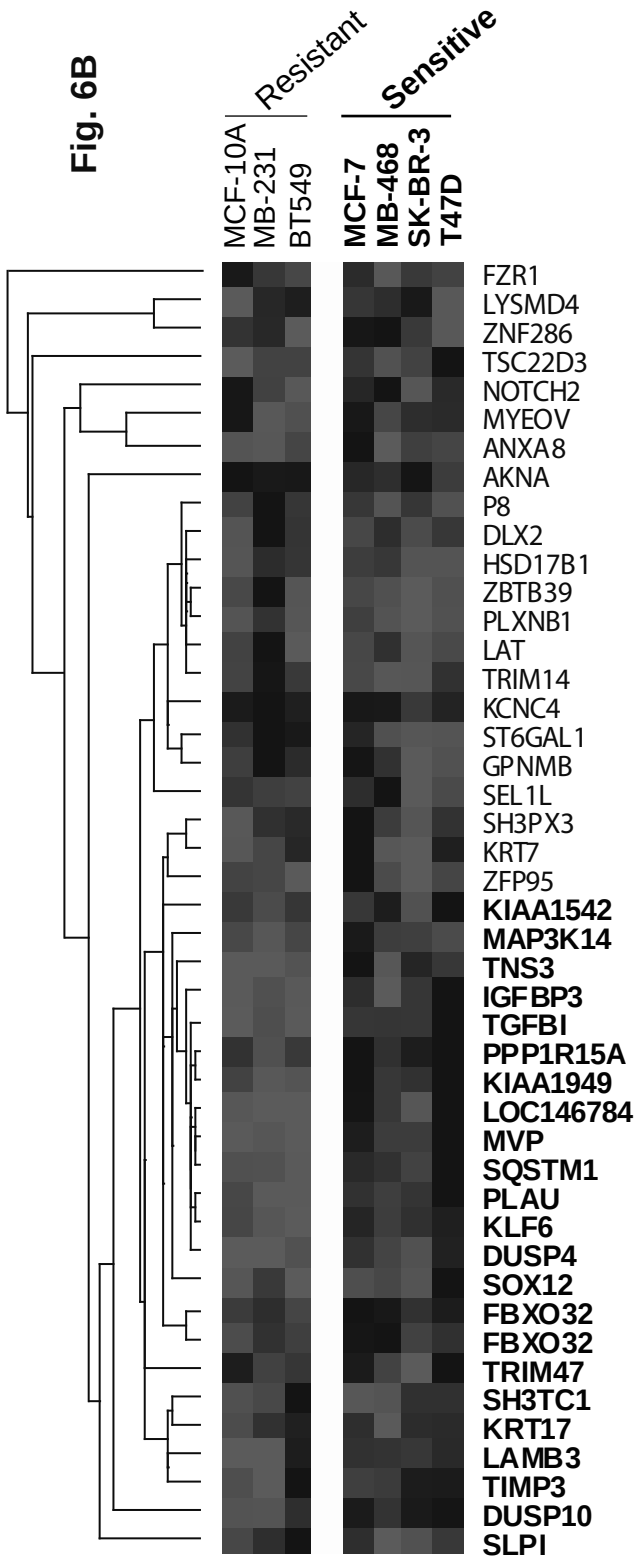
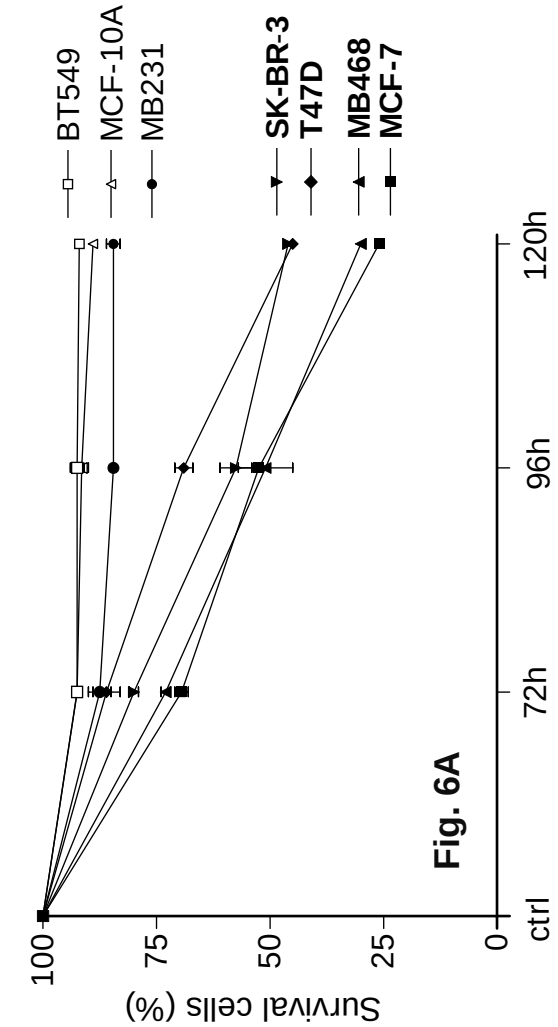

I
Average expression
200
100
0
Ctrl
DZNep
Aza
Aza+TSA

Fig. 5C


II
TGFβI
KRT17
FBXO32
IGFBP3
PPP1R15A
KRT7
Fold induction
Ctrl
DZNep
Aza
Aza+TSA
III
ANXA8
DLX2


Fig. 6B
Resistant
Sensitive
MCF-10A
MB-231
BT549
MCF-7
MB-468
SK-BR-3
T47D
FZR1
LYSMD4
ZNF286
TSC22D3
NOTCH2
MYEOV
ANXA8
AKNA
P8
DLX2
HSD17B1
ZBTB39
PLXNB1
LAT
TRIM14
KCNC4
ST6GAL1
GPNMB
SEL1L
SH3PX3
KRT7
ZFP95
KIAA1542
MAP3K14
TNS3
IGFBP3
TGFBI
PPP1R15A
KIAA1949
LOC146784
MVP
SQSTM1
PLAU
KLF6
DUSP4
SOX12
FBXO32
FBXO32
TRIM47
SH3TC1
KRT17
LAMB3
TIMP3
DUSP10
SLPI


BT549
MCF-10A
MB231
SK-BR-3
T47D
MB468
MCF-7
Survival cells (%)
100
75
50
25
0
ctrl
72h
96h
120h
Fig. 6A

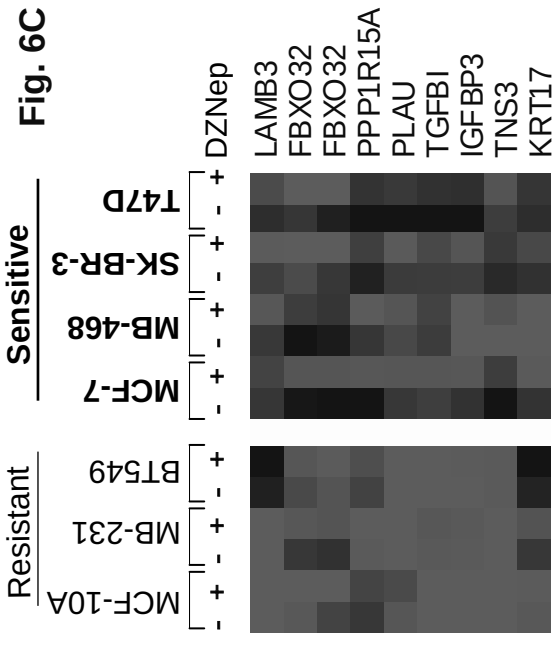

Fig. 6C
Resistant
Sensitive
MCF-10A
MB-231
BT549
MCF-7
MB-468
SK-BR-3
T47D
DZNep
LAMB3
FBXO32
FBXO32
PPP1R15A
PLAU
TGFBI
IGFBP3
TNS3
KRT17

Fig. 6D

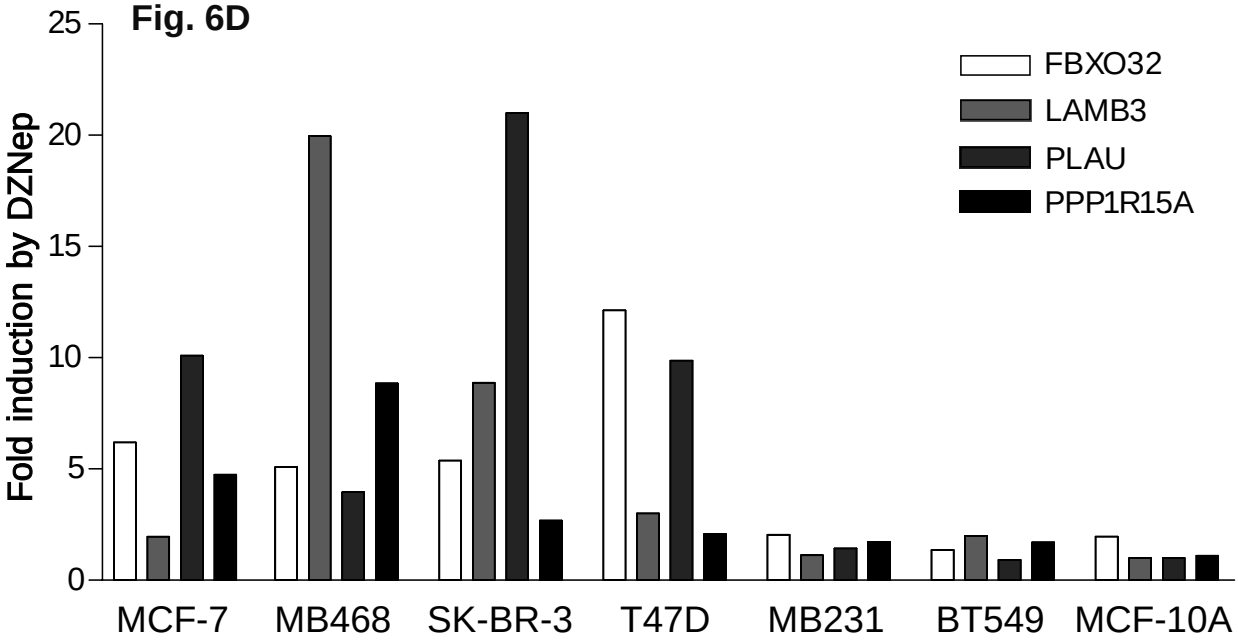

Fold induction by DZNep
25
20
15
10
5
0
FBXO32
LAMB3
PLAU
PPP1R15A
MCF-7
MB468
SK-BR-3
T47D
MB231
BT549
MCF-10A

Fig. 6E

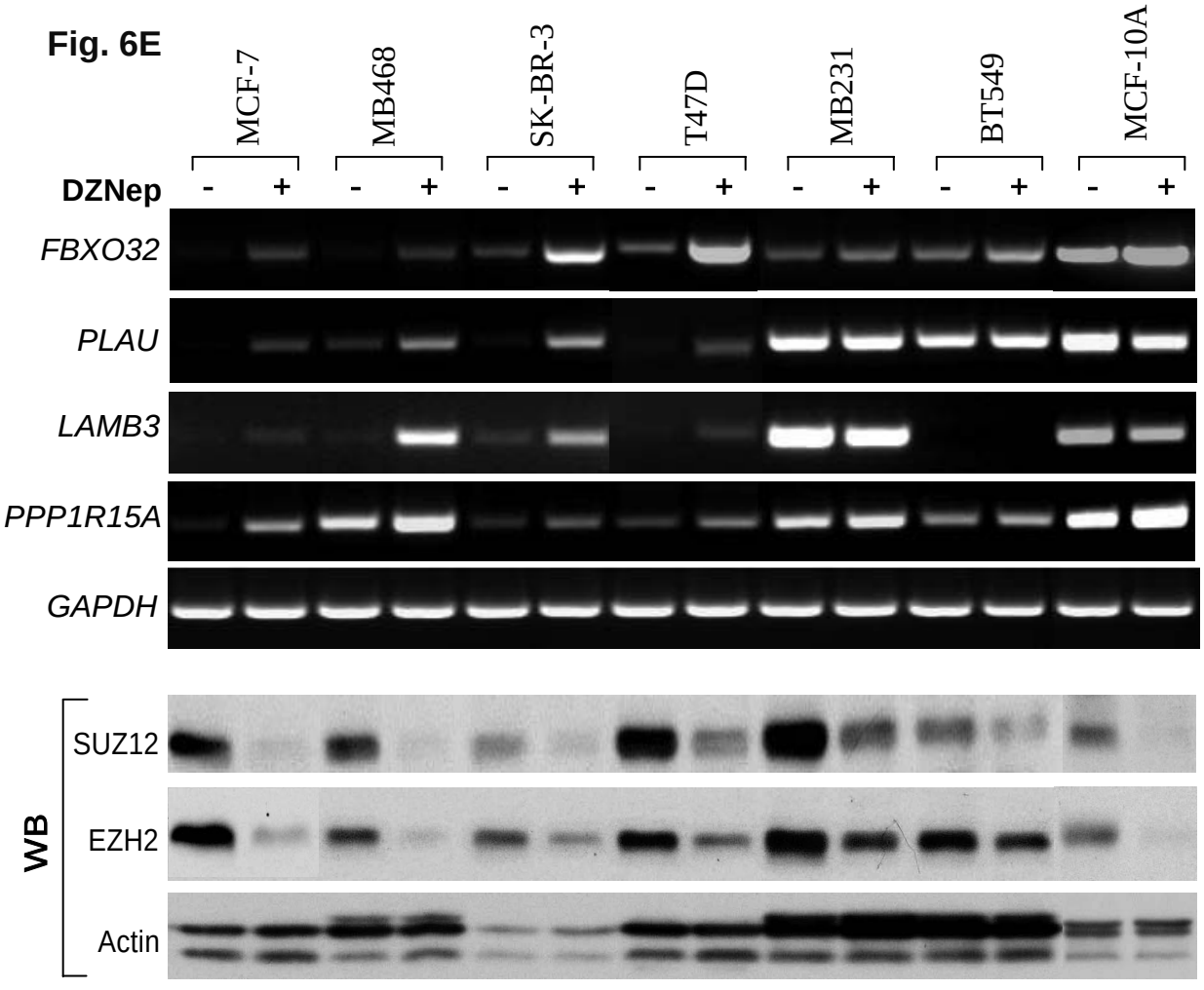
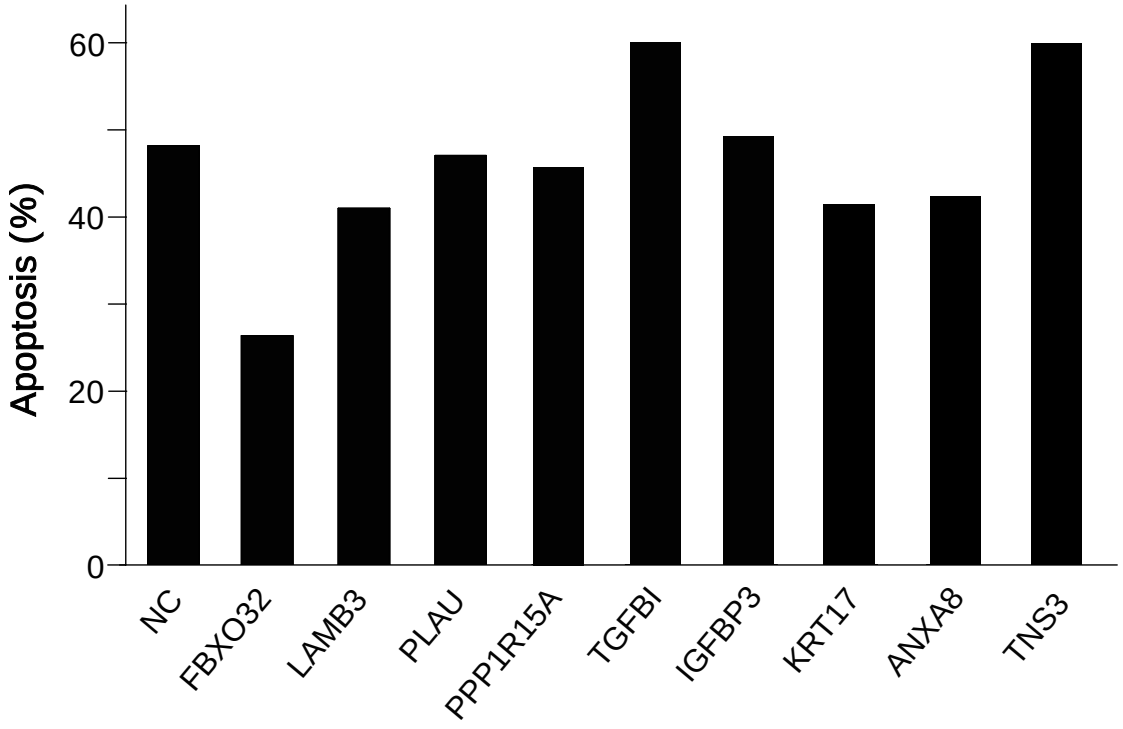

MCF-7
MB468
SK-BR-3
T47D
MB231
BT549
MCF-10A
DZNep
- + - + - + - + - + - + - +
FBXO32
PLAU
LAMB3
PPP1R15A
GAPDH
WB
SUZ12
EZH2
Actin

Fig. 6F



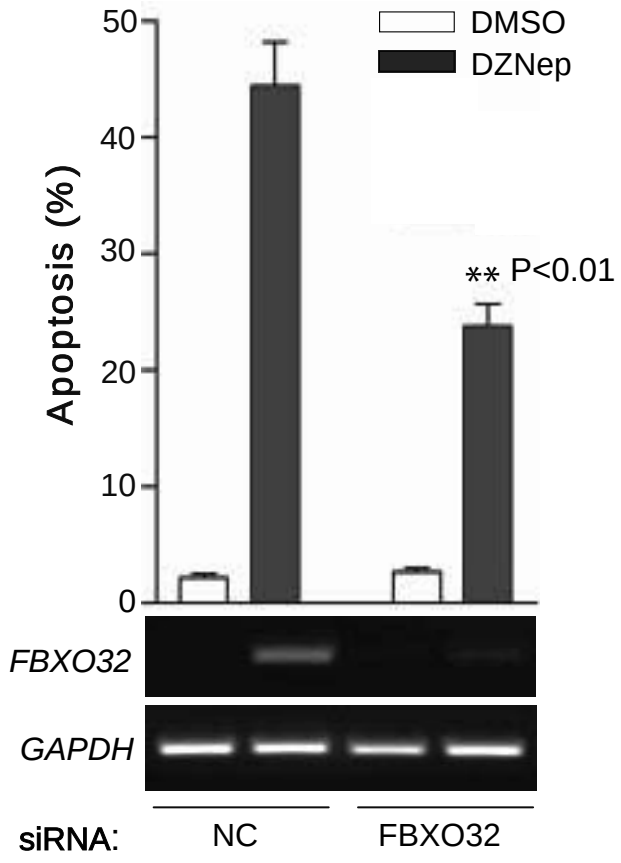


Fig. 6G

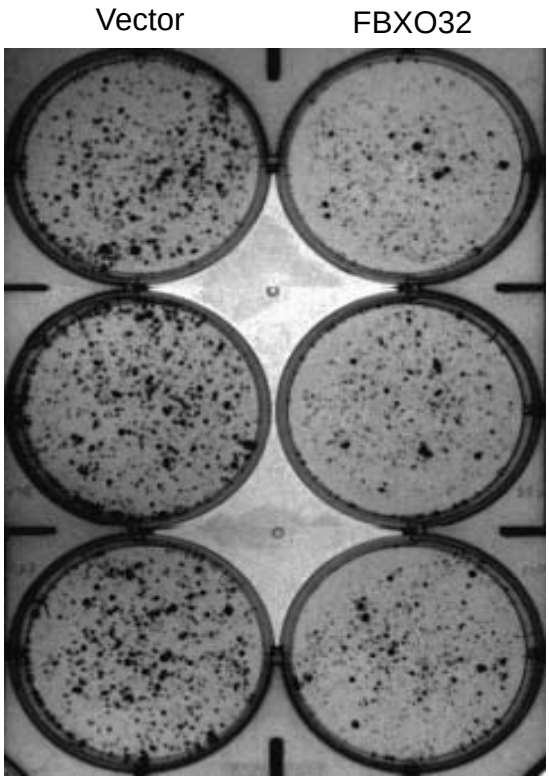


Fig. 6H