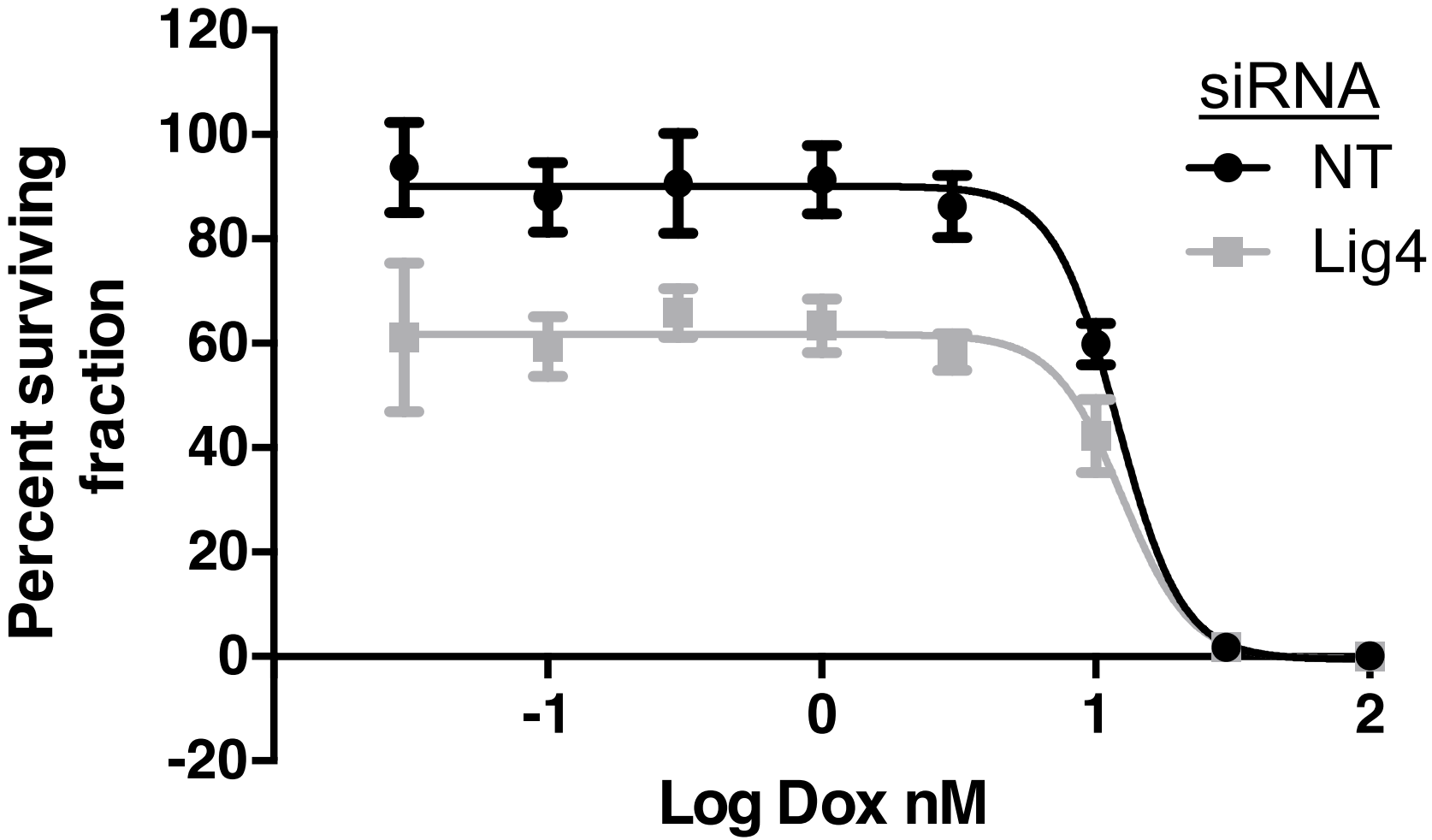
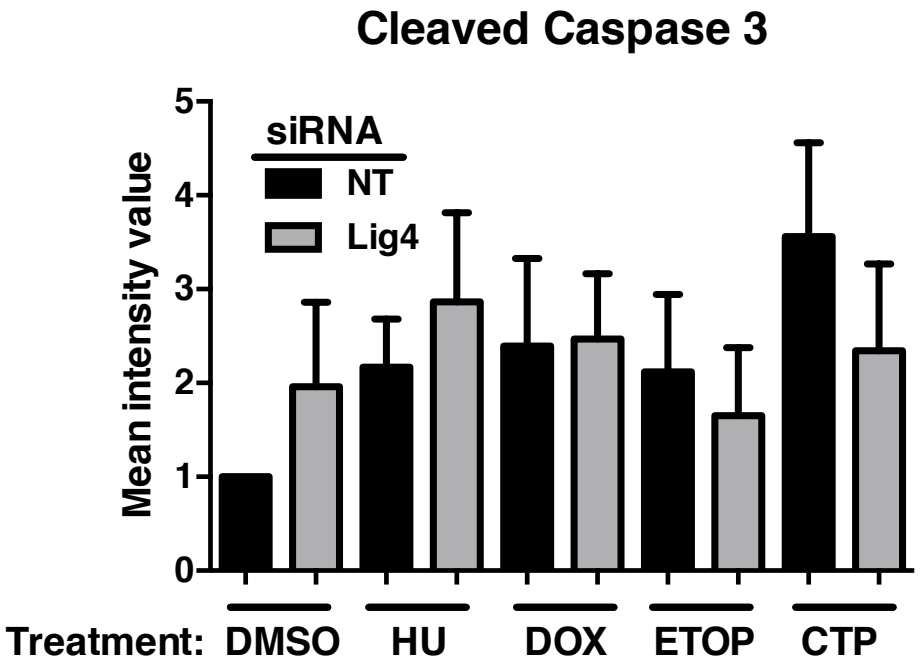
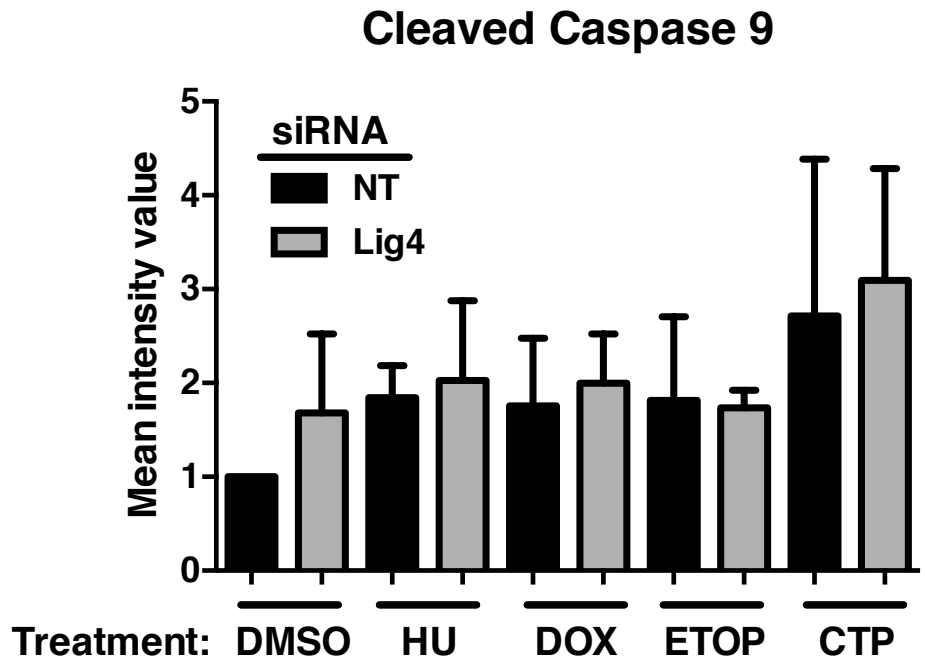

Percent surviving fraction
120
100
80
60
40
20
0
-20
-1
0
1
2
Log Dox nM
siRNA
NT
Lig4

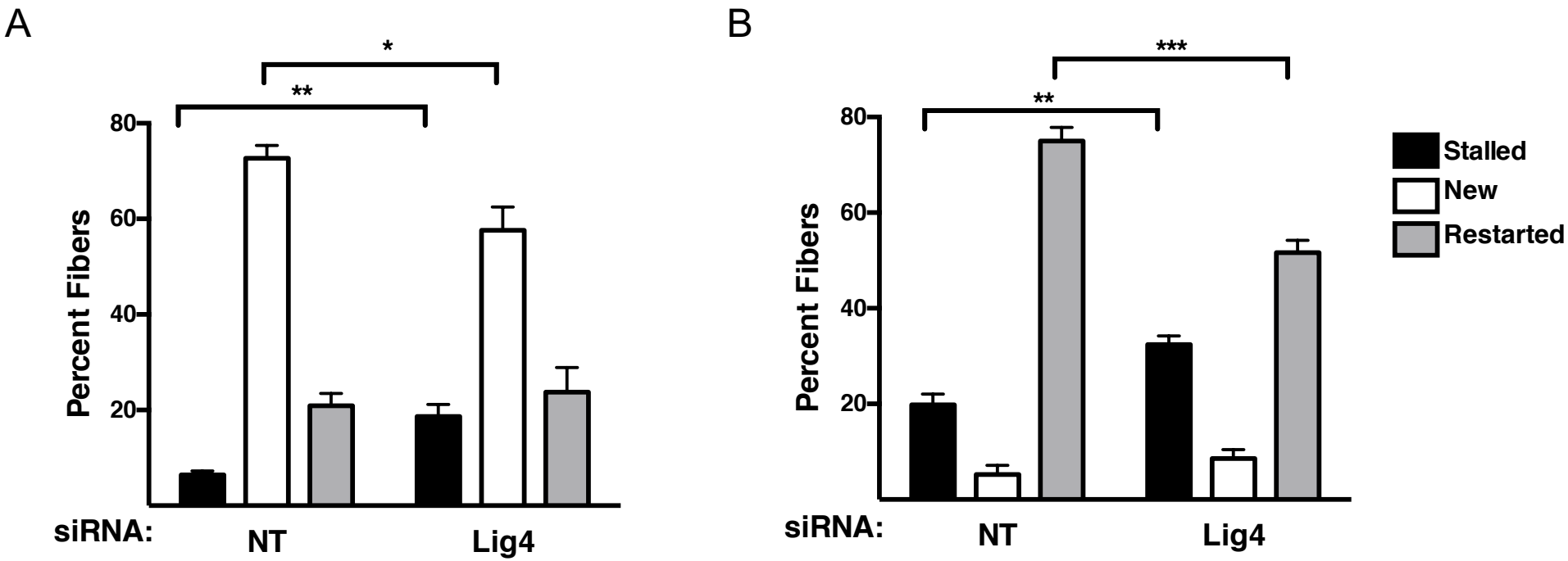
A


Cleaved Caspase 3
Mean intensity value
0
1
2
3
4
5
siRNA
NT
Lig4
Treatment:
DMSO
HU
DOX
ETOP
CTP

B


Cleaved Caspase 9
Mean intensity value
0
1
2
3
4
5
siRNA
NT
Lig4
Treatment:
DMSO
HU
DOX
ETOP
CTP

Supplementary Figure 3.



Supplemental Table 1.

Non-basal BRCA patient mRNA expression levels	Significant?	P value
Deep Deletion vs. Shallow Deletion	No	n.s.
Deep Deletion vs. Diploid	No	n.s.
Deep Deletion vs. Gain	No	n.s.
Deep Deletion vs. Amplified	No	n.s.
Shallow Deletion vs. Diploid	Yes	**
Shallow Deletion vs. Gain	No	n.s.
Shallow Deletion vs. Amplified	Yes	*
Diploid vs. Gain	No	n.s.
Diploid vs. Amplified	No	n.s.
Gain vs. Amplified	No	n.s.
Basal BRCA patient mRNA expression levels		
Shallow Deletion vs. Diploid	No	n.s.
Shallow Deletion vs. Gain	Yes	**
Shallow Deletion vs. Amplified	Yes	***
Diploid vs. Gain	Yes	**
Diploid vs. Amplified	Yes	***
Gain vs. Amplified	No	n.s.

Supplemental Table 2.

Treatment	NT siRNA	Lig4 siRNA
Number of images scored	16	28
Number of fibers scored	554	1344
Total number of fibers scored	1898	

Supplemental Table 3.

Treatment	NT siRNA + PBS	NT siRNA + HU	Lig4 siRNA + PBS	Lig4 siRNA + HU
Number of images scored	10	6	7	7
Number of fibers scored	725	424	649	531
Total number of fibers scored	2329			

Supplemental Table 4.

Treatment	NT siRNA	Lig4 siRNA
Total number of nuclei scored	85	53