

**Table S1. Reagents and Antibodies**

Chemical/Antibody (ID)	Target/Application	Dilution/Concentration (w/v)	Source
17 $\beta$ -estradiol	ER	10 nM	Sigma
Progesterone	PR	100 nM	Sigma
CK5 (NCL-L-CK5)	IHC, IF	1:100 (0.5 $\mu$ g/ml)	Leica Microsystems
CK5 (2290-1)	IHC, IF	1:200 (0.05 $\mu$ g/ml)	Epitomics
CK8/18 (NCL-L-503)	IHC, IF	1:100 (4.2 $\mu$ g/ml)	Leica Microsystems
Claudin 3 (ab15102)	IF	1:100 (2 $\mu$ g/ml)	Abcam
EGFR (06847)	IF, IHC	1:400 (2.5 $\mu$ g/ml)	Millipore
ER- $\alpha$ (SP1)	IHC, IF	1:100*	Neomarkers
Her2 (SP3)	IF	1:50*	Neomarkers
Ki67 (MIB-1)	IHC	1:50*	DAKO
PR (Clone 1294)	IHC, IF	1:100 (0.266 $\mu$ g/ml)	DAKO
PR (SP2)	IHC, IF	1:200*	Neomarkers
Phospho Histone H3 (Ser10)	IF	1:200 (1 $\mu$ g/ml)	Millipore
Vimentin (V9)	IF	1:100 (2 $\mu$ g/ml)	Santa Cruz Biotechnology

Abbreviations: IHC, immunohistochemistry; IF, immunofluorescence

*\*ER, HER2, Ki67 and PR antibodies indicated were supplied as tissue culture supernatants*