

Supplementary Table 1. Clinical characteristics of the TMA population (n=129)

Age at diagnosis	
	55.3 years (22-83 years)
SBR histological grade	
I	11
II	27
III	77
Lymph node status	
0	85
1-3	17
>3	13
Macroscopic tumor size	
≤25 mm	95
>25 mm	20
ER status	
Negative	74
Positive	41
PR status	
Negative	77
Positive	38
HER2 status	
Negative	79
Positive	36
Molecular subtypes	
TNBC	61
ERBB2	16
Luminal A	17
Luminal B	21

*Information only available for 115 samples

Supplementary Table 2. PDX clinical characteristics (n=58)

Origin	
Primary tumor	51
Lymph node metastasis	4
Omentum metastasis	2
Molecular characteristics	
TNBC	38
ER	13
ERBB2	21

*Information only available for 57 PDX

Supplementary Table 3. qRT-PCR primers

Kindlins Human-specific primers	
<i>Kindlin-1 (Hs-for)</i>	5'-TGATCTTTGCAG CTCTAC AGTACCA-3'
<i>Kindlin-1 (Hs-rev)</i>	5'-CTTCTATTTTCATCAACCTCGGACTC-3'
<i>Kindlin-2 (Hs-for)</i>	5'-CTGATTCCAGTTGCAGAAGGCAT-3'
<i>Kindlin-2 (Hs-rev)</i>	5'-CCAGTGTGCATACTGTTTTTCATTGT-3'
<i>Kindlin-3 (Hs-for)</i>	5'-AAGGCCGGGGACGCACTCT-3'
<i>Kindlin-3 (Hs-rev)</i>	5'-TCAGCCGCACGGGGTCTGT-3'
Kindlins Mouse-specific primers	
<i>Kindlin-1 (Mm-for)</i>	5'-CAAGCTCGTGGAACAGATGAACATAG-3'
<i>Kindlin-1 (Mm-rev)</i>	5'-CAGTGTGTTTTTCAGAAGCCAGCAG-3'
<i>Kindlin-2 (Mm-for)</i>	5'-AAGACACGTCCATCTCCTGCTACA-3'
<i>Kindlin-2 (Mm-rev)</i>	5'-TCCGGAGTAACTTCACATCCTCTG-3'
<i>Kindlin-3 (Mm-for)</i>	5'-TCTGCCGCCTCCTCAGTATCA-3'
<i>Kindlin-3 (Mm-rev)</i>	5'-TTGTCAGGTCATGCACCTCCTCT-3'
Other primers used	
<i>TBP (Hs-for)</i>	5'-TGCACAGGAGCCAAGAGTGAA-3'
<i>TBP (Hs-rev)</i>	5'-CACATCACAGCTCCCCACCA-3'
<i>CD45 (Hs-for)</i>	5'-GTATTTGTGGCTTAAACTCTTGGCAT-3'
<i>CD45 (Hs-rev)</i>	5'-TCCAGTGGGGGAAGGTGTTG-3'
<i>CD86 (Hs-for)</i>	5'-TCTGAACTGTCAGTGCTTGCTAACTT-3'
<i>CD86 (Hs-rev)</i>	5'-AGGTTCTGGGTAACCGTGTATAGATG-3'
<i>CD28 (Hs-for)</i>	5'-GTGGCCTTTATTATTTTCTGGGTGAG-3'
<i>CD28 (Hs-rev)</i>	5'-GGCGGGGAGTCATGTTTCATGT-3'
<i>CD4 (Hs-for)</i>	5'-AGGCGGTGTGGGTGCTGAA-3'
<i>CD4 (Hs-rev)</i>	5'-GACCATGTGGGCAGAACCTTGA-3'