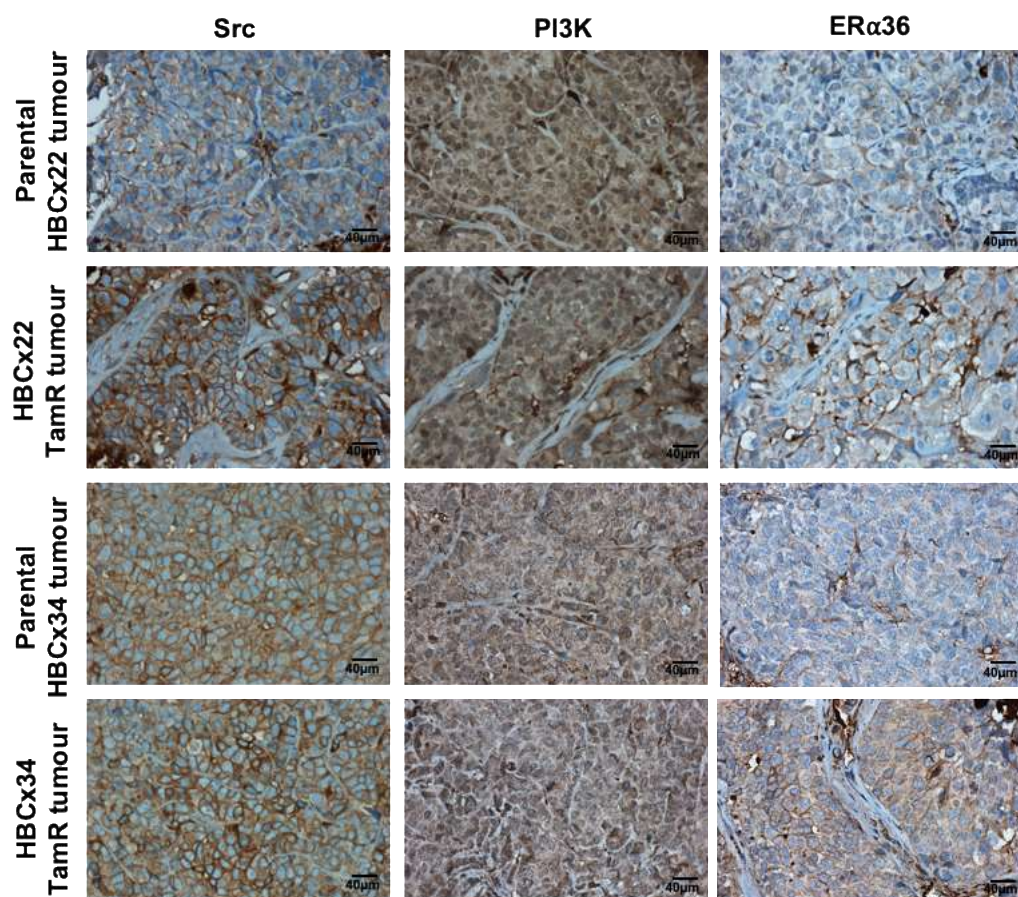


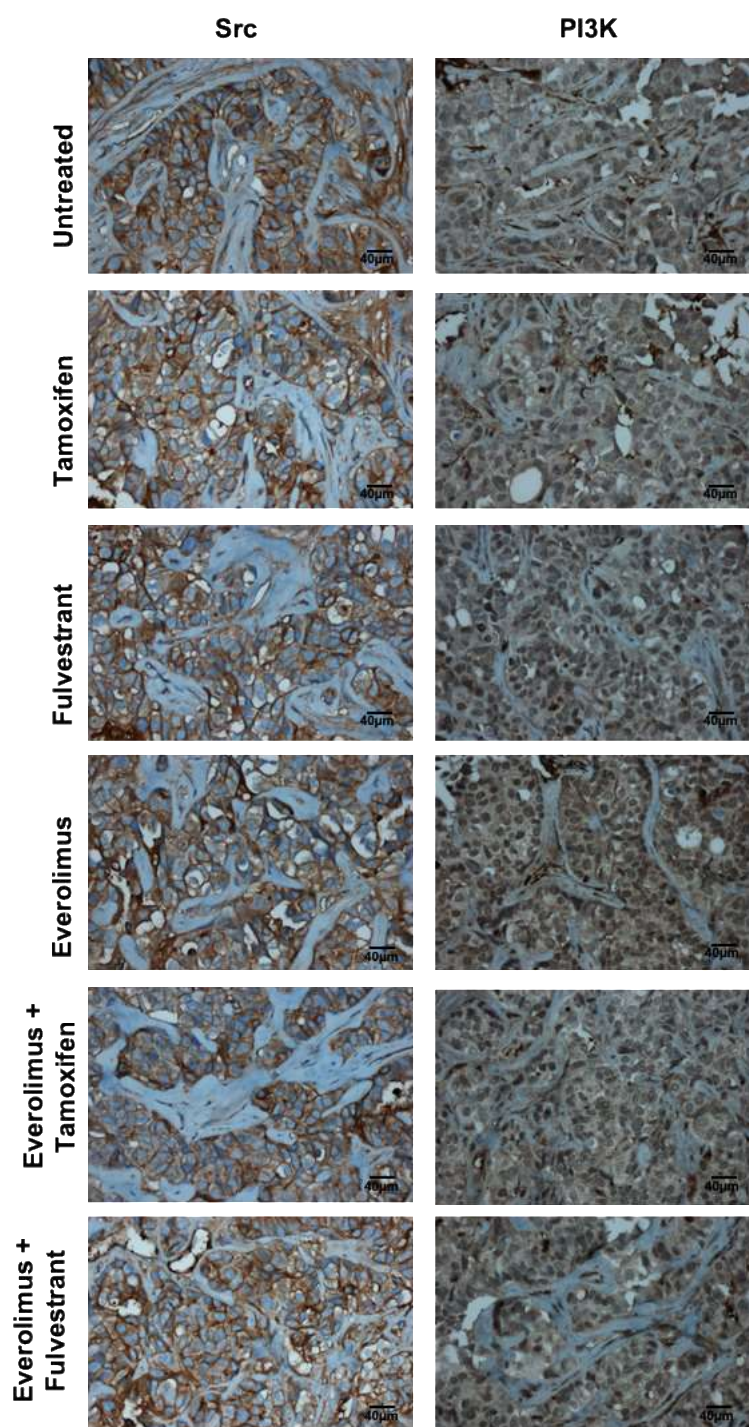
Supplementary information

**Oestrogen non-genomic signalling is activated in tamoxifen-resistant  
breast cancers**

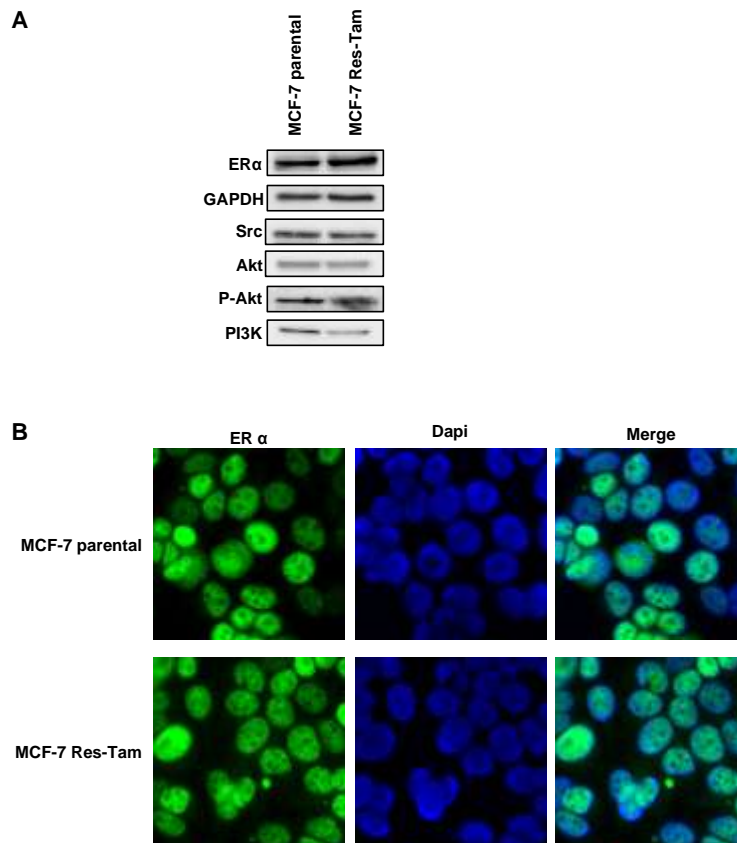
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**Supplementary Fig 1. Study of Src, PI3K and ER $\alpha$ -36 expression in parental and resistant PDXs.** IHC experiments were performed on tumours embedded in paraffin using the corresponding antibodies.



**Supplementary Fig 2. IHC analysis of treated tumours.** Representative sections of TMA obtained from therapeutic experiments on HBCx22 TamR.



**Supplementary Fig 3. Study of the expression of the members of the oestrogen non genomic pathway in parental and tamoxifen resistant MCF-7 cells.** (A) Cell lysates of parental and tamoxifen resistant MCF-7 cells were analysed for ER $\alpha$ , Src, PI3K, P-Akt, Akt and GAPDH expression by Western blot. (B) Methanol-fixed cells were stained with an anti-ER $\alpha$  antibody. The nuclei were counterstained with mounting medium containing DAPI (blue) (x60 magnification).