



**Figure 7. Development of resistance to tamoxifen reverts tumour cells to a more undifferentiated phenotype.**

**A.** Differentiation to epithelial cells in the normal breast. ER expression is absent in breast stem cells and Nanog, Oct4 and Sox2 expression is downregulated during differentiation. **B.** Sox2 promotes tamoxifen resistance in breast tumour cells. ER transcriptional activity (ER-TA) is lost and Sox2 expression is increased further during development of resistance leading to Wnt signalling activation and increased cancer stem cell population.