



Supplementary Materials

SOX2OT Long Noncoding RNA Is Regulated by the UPR in Oestrogen Receptor-Positive Breast Cancer

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Received: 6 March 2020; Accepted: 20 March 2020; Published: date

Table 1. List of primers used in these experiments.

ATF4-F	5'- GTTCTCCAGCGACAAGGCTA-3'
ATF4-R	5'- ATCCTGCTTGCTGTTGG-3'
BiP-F	5'- TGTTCAACCAATTATCAGCAAACTC-3'
BiP-R	5'- TTCTGCTGTATCCTCTTCACCAGT-3'
CHOP-F	5'- AGAACCAGGAAACGGAAACAGA-3'
CHOP-R	5'- TCTCCTTCATGCGCTGCTTT-3'
SOX2OT-F	5'- GCTCGTGGCTTAGGAGATTG -3'
SOX2OT-R	5'- CTGGCAAAGCATGAGGAACT -3'
SOX2-F	5'-AACCCCAGATGCACAA CTC-3'
SOX2-R	5'-GCTTAGCCTCGTCGATGAAC-3'
XBP1s-F	5'- CCTGGTTGCTGAAGAGGAGG-3'
XBP1s-R	5'- CCATGGGGAGATGTTCTGGAG -3'
HPRT-F	5'-TGAGGATTTGGAAAGGGTGT-3'
HPRT-R	5'-GCACACAGAGGGCTACAATG-3'
GAPDH-F	5'-ACGGG AAGCTTGTCATCAAT-3'
GAPDH-R	5'-TGGACTCCACGACGTACTCA-3'
HPRT-F	5'-TGAGGATTTGGAAAGGGTGT-3'
HPRT-R	5'-GCACACAGAGGGCTACAATG-3'

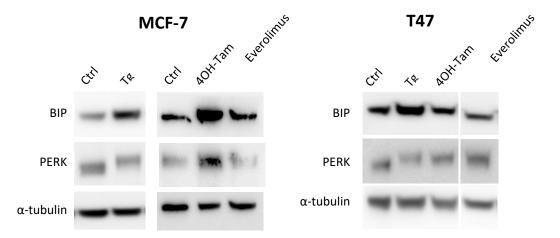


Figure S1. Expression of *SOX2OT* lncRNA and *SOX2* following UPR induction in ER+ breast **cancer** cell lines. MCF-7 (A) and T47D (B) cells were incubated in control medium (Ctrl) or in medium containing the ER stress-inducing agents thapsigargin (Tg, 300 nM), 4OH-Tam (0.1uM) or everolimus (10nM) for 16h. Protein expression levels of PERK and BIP protein expression were examined using Western Blot analysis. α -tubulin was used as internal control. Blots of Bip, PERK, and α -tubulin have been performed on the same electrophoresis gel, but cut and reconstituted.

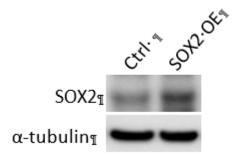


Figure S2. Comparison of SOX2 expression in control and SOX2 overexpressing MDA-MB-231. SOX2 protein expression was examined using Western Blot analysis. α -tubulin was used as internal control. Ctrl, control; SOX2 OE, SOX2 overexpression.



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