Supplementary Information

FOXA1 is a determinant of drug resistance in breast cancer cells

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## Supplementary Table 1. Oligonucleotides used in this study

| Gene | Oligo name | Sequence forward oligo (5’-3’) | Oligo name | Sequence reverse oligo (5’-3’) |
|------|------------|---------------------------------|------------|--------------------------------|
| ABCB1| OLEY509    | TTCAGGTGGCTCTGGAT               | OLEY510    | CTGTAGACAAACGATGAGCTATCACA    |
| ABCG2| OLEY321    | TGGCTGTCATGGCTTCAGTA            | OLEY322    | GCCACGTGATTCTTCCACAA          |
| BCL2 | OLEY551    | GATTGTGGCCTCTTTTGAG             | OLEY552    | GTTCACAAAGGGCATCC             |
| CDH1 | OLEY513    | GATTCTGCTGCTCTTGGCT             | OLEY514    | GTCAAAAGTCCTGTCCTC            |
| EP300| OLEY529    | TATCTTCCATTGCCATCTTC            | OLEY530    | CTTTGTAAGTCATGGACAATAC        |
| ESR1 | OLEY678    | GGAGTGTCACACATTTCTGTC           | OLEY679    | CAAAATGCTGTGATCTTGTC          |
| NANOG| OLEY662    | CTATCCATCCTTTGCAAATGTC          | OLEY663    | GTTCTGTCCTTCTGTTCCTT          |
| RPLP0| OLEY549    | GCAGCATCTACAACCTTGAG            | OLEY550    | CACTGGCAACATTGCGGAC           |
| RPS14| OLEY373    | TCACCGCCCTACACATCAAACT          | OLEY374    | CGCGATGCTGTCAGAGG             |
| SNAI1| OLEY442    | AGGCCATGTCGGACCCACA             | OLEY443    | GTGGAGCAAGGACATCGGGA          |
| SNAI2| OLEY608    | CAGTGATTATTTCCCCGTATC           | OLEY609    | CCCCAAGATGAGGAGTATC           |
| ZEB1 | OLEY409    | TTACACCTTTCATACAGAACC          | OLEY410    | TTTACGATTACACCCAGACTGC        |
| ZEB2 | OLEY606    | ATTTCAAGGAGAATTGCTTG           | OLEY607    | GTTTCGTATTTATGTCGCAG          |
Supplementary Fig. 1 Image quantification of immunoblots shown in Fig. 1-main text. a,b) Stably transfected T47D (a) and MCF-7 (b) cells by expression of FOXA1 mRNA targeting small hairpins (shFOXA1(1) to shFOXA1(6)). Empty vector pGIPZ was used as a negative control. c) Selected clones from MCF-7 transfected pools. The two clones with the most FOXA1 down-regulation were selected. e) Stably transfected MDA-MB-231 cells by transfection of a FOXA1-expressing plasmid. Empty pcDNA3.1 vector (ev)-transfected cells were used as a control. In all quantifications, FOXA1 and E-cadherin signals were normalized to the β-actin signal. Data represent the average ± SD of three experiments. *, p < 0.05 of comparisons to vector controls.