Primers for real time RT-PCR

For Mouse mammary glands

Areg: NM_009704 (product length=75)
Forward 5’-CACAGCGAGGATGACAAGGA-3’
Reverse 5’-GAGGATGATGGCAGAGACAAAGA-3’

Krt1-19: M28698 (product length=76)
Forward 5’-GAGGACTTGCGCGACAAGA-3’
Reverse 5’-GGCGAGCATTGTCAATCTGTAG-3’

WISP2: (product length=83)
Forward 5’-GGTGACCTTGTAAGTGTGCCTTT-3’
Reverse 5’-TCCATCTCTTCATGGTTCCCAGAA-3’

GAPDH: (product length=116)
Forward 5’-CCCAGCAAGGACACTGAGCAAGAG-3’
Reverse 5’-GGCTCCCTAGGCCCTCTCCTGTATT-3’

For Human samples

PR:
Forward 5’-TCAGTGGGCAGGCTCTGTATTT-3’
Reverse 5’-GCCACATGGTAAGGCATAATGA-3’

AREG:
Forward 5’-GGGAGTGAGATTTCCCCTGT-3’
Reverse 5’-AGCCAGGTATTTGTGGTTCG-3’

WISP2:
Forward 5’-AGTTTTTCTGGCCTTGTCTCT-3’
Reverse 5’-AGAAGCGGTCTGGTTGGAC-3’

cMyc:
Forward 5’-CGTCTCCACACCATCAGCACA-3’
Reverse 5’-TCTTGGCAGCAGGATAGTCTCTT-3’

pS2:
Forward 5’-ACGACACCGTTCGTGGGGTC-3’
Reverse 5’-ACGGCACCGCGTCAGGATG-3’

Cyclin D1:
Forward 5’-AGAGGCGGAGGAGCAACAAC-3’
Reverse 5’-GGCACAGAGGGCAACGAAG-3’
GAPDH:
Forward 5’-ACCCACTCCTCCACCTTTG-3’
Reverse 5’-CTCTTGTGCTTTGCTGGG-3’
Histological analysis of mammary gland

Supplemental Figure 1
Supplemental figure 2. Uterine weight in nude mice with MCF-7 tumors. The data are shown as average uterine weight in mg ± sem. 10 mice per group. a, groups significantly greater than vehicle (V) group. b, deference comparing E2/BZA group with E2 group. c, deference comparing CE/BZA group with CE group. d, deference comparing E2/BZA group with V group. e, deference comparing CE/BZA group with V group. P<0.001 was marked as ***.
Tumor Growth

Supplemental Figure 3
Supplemental Figure 4. TUNEL staining of MCF-7 breast tumors grown in OVX nude mice treated with E2, CE, and BZA. (Magnification 20x).
Supplemental figure 5
TUNEL staining of MCF-7 tumor sections from CEE (n=4) and E$_2$ (n=5) treated mice