

Supplementary

LncRNA HOTTIP-Mediated HOXA11 Expression Promotes Cell Growth, Migration and Inhibits Cell Apoptosis in Breast Cancer

Primers:

HOTTIP Foward Primer(5'-3'): CCTAAAGCCACGCTTCTTTG

HOTTIP Reverse Primer(5'-3'): TGCAGGCTGGAGATCCTACT

HOXA11 Foward Primer(5'-3'): TGCCAAGTTGTACTTACTACGTC

HOXA11 Reverse Primer(5'-3'): GTTGGAGGAGTAGGAGTATGTCA

HOXA13 Foward Primer(5'-3'): CTGCCCTATGGCTACTTCGG

HOXA13 Reverse Primer(5'-3'): CCGGCGGTATCCATGTACT

HOXA7 Foward Primer(5'-3'): GCATAAGGACGAAGGTCCGA

HOXA7 Reverse Primer(5'-3'): AGACGCTTTTCCGACTGTCC

HOXA6 Foward Primer(5'-3'): TCCCGGACAAGACGTACAC

HOXA6 Reverse Primer(5'-3'): CGCCACTGAGGTCCTTATCA

HOXA3 Foward Primer(5'-3'): ATGCAAAAAGCGACCTACTACG

HOXA3 Reverse Primer(5'-3'): TACGGCTGCTGATTGGCATT

HOXA2 Foward Primer(5'-3'): CCCCTGTCGCTGATACATTTTC

HOXA2 Reverse Primer(5'-3'): TGGTCTGCTCAAAAGGAGGAG

HOXA1 Foward Primer(5'-3'): TCCTGGAATACCCCATACTTAGC

HOXA1 Reverse Primer(5'-3'): GCACGACTGGAAAGTTGTAATCC

GAPDH Forward Primers(5'-3'): GGGCTGCTTTTAACTCTG

GAPDH Reverse Primers(5'-3'): TGGCAGGTTTTCTAGACGG

siRNA sequences of HOTTIP:

si-h-HOTTIP-1:

(positive-sense, 5'-3'): GCUGCUUUAGAGCCACAUA dTdT

(negative-sense, 3'-5'): dTdT CGACGAAAUCUCGGUGUAU

si-h-HOTTIP-2:

(positive-sense, 5'-3'): CCAGCUGCGAAUUCUUAU dTdT

(negative-sense, 3'-5'):dTdT GGUCGACGCUUAAGAAUUA

si-h-HOTTIP-3:

(positive-sense, 5'-3'):CCUUGAUAUGCACGCAUUAU dTdT

(negative-sense, 3'-5'): dTdT GGAACUAUACGUGCGUAUA

Vector type: LV3 (H1/GFP&Puro) sequence: 5' GCUGCUUUAGAGCCACAUA dTdT 3'

shRNA sequences of HOXA11:

sh-HOXA11-858:

(sense, 5'-3'): GCGUCUACAUUAACAAAGATT

(anti-sense, 5'-3'): UCUUUGUUA AUGUAGACGCTT

sh-HOXA11-431:

(sense, 5'-3'): GCAGUCUCGUCCAAUUCUTT

(anti-sense, 5'-3'): AGAAAUUGGACGAGACUGCTT

sh-HOXA11-910:

(sense, 5'-3'): CACUGAUCGUCAAGUCAATT

(anti-sense, 5'-3'): UUUGACUUGACGAUCAGUGTT

sh-HOXA11-972:

(sense, 5'-3'): GAGACCGUUUACAGUACUATT

(anti-sense, 5'-3'): UAGUACUGUAAACGGUCUCTT

Antibodies information:

Rabbit anti-human HOXA11 polyclonal IgG, (Bioss, bs-6666R)