

Additional file 1: Primers and probes used in qRT-PCR experiments

ER:	5'-AACCGAGATGATGTAGCCAGC-3' (F) 5'-CAGGAACCAGGGAAAATGTG-3'(R)
PR:	5'-GATGCTGTATTTTGCACCTGATCTA-3' (F) 5'-GAACTCTTCT-TGGCTAACTTGAAGCT-3'(R)
actin:	5'-CC- CTGGCACCCAGCAC-3' (F) 5'-GCCGATCCACACGGAGTAC-3' (R)
EGFR:	5'-GCCTTGAGTCATCTATTCAAGCAC-3' (F) 5'-TGCTACTGTCATTTCGCACCTG-3' (R) 5'-FAM-AGCTCTGGCCACAACAG GGCATTTT-TAMRA-p-3' (P)
HER2:	5'- TCTGGACGTGCCAGTGTGAA-3' (F) 5'-TGCTCCCTGAGGACACATCA-3'(R) 5'-FAM-CAGAAGGCCAAGTCCGC- AGAAGCC-TAMRA-p-3' (P)
HER3:	5'-GGGCAACTCTCAGGCAGTGT-3' (F) 5'-TGTACAGTGTCTGGTATTGGTTCTCA-3'(R) 5'-FAM-CGCCGGTCACACT- CAGGCCAT-TAMRA-p-3' (P)
EGF:	5'-GAGGACTGGCAAAGATAGAGTACG-T-3' (F) 5'-CTGGTTTTGCCAATGGATGA-3'(R) 5-FAM-AGCATGCTGAAGC- CCTCATCACTGG-TAMRA-p-3' (P)
TGF- α :	5'-GGACAGCACTGCCAGAGA-3' (F) 5'-CAGGTGATTACAGGCCAAGTAG-3' (R) 5'-FAM-CCTGGGTGTGCCA- CAGACCTTC-TAMRA-p-3' (P)
HRG:	5'-TGGCTGACAGCAGGACTAAC-3' (F) 5'-CTGGCCTGGATTTCTTC-3'(R) 5'-FAM-CAGCAGGCCGCTTCTCGACAC- TAMRA-p-3' (P)

amphiregulin: 5'-ATATCACATTGGAGTCACTGCCCA-3'(F)
5'-GGGTCCATTGTCTTATGATCCAC-3'(R)
5'-FAM-AGCCATAAATGATGA-GTCGGTCCTCTTTCC-TAMRA-p-3' (P)

HB-EGF: 5'-GAAAGACTTCCATCTA-GTCACAAAGA-3' (F)
5'-GGGAGGCCCAATCCTAGA-3'(R)
5-FAM-TCCTTC- GTCCCCAGTTGCCG-TAMRA-p-3' (P)

betacellulin: 5'-TGCCCCAAGCAATAC- AAGC-3'(F)
5'-CGTCTGCTCGGCCACC-3'(R)
5'-FAM-AAGCGGCATCTCCC-TTTGATGCAGTAA-TAMRA-p-3' (P)

epiregulin: 5'-TGCATGCAATTTAAAGT-AACTTATTTGACTA-3'(F)
5'-ATCTTAAGGTACACAATTATCAAAGCTGA-3'(R)
5'-FAM-TCGGATTACTGAATTGTATCAATTTGTTTGTGTTCA-TAMRA-
p-3' (P)

HP1BP3: 5'-GCATTTGCTAGCTTTAGGTGCTT-3' (F)
5'-AGTTTAGGAAAGTCCAGGA-TTATTGC-3'(R)
5'-FAM-TGGTGCCTGCCCTTTTCCTTGTTCA-TAMRA-p-3' (P).

(F) = Forward Primer

(R) = Reverse Primer

P = TaqMan probe (FAM as reporter, TAMRA as quencher)