FOXA1; ID03367.5p-miR; 5'UTR; 122; -117; 93; 20 5'-CCGCGCCGCCGCCGCC**G**CCG-3' |||||||||||||||||||| 3'-CGCGCGGCGGCGGCGG**U**GGC-5'	*HMGA2*; ID01403.5p-miR; 5UTR; 547; -119; 87; 23 5'-C**A**C**C**CACCGC**C**GC**C**GCCGCC**A**C**C**-3' |||||||||||||||||||||||| 3'-G**C**G**A**GUGGCG**A**CG**A**CGGCGG**C**G**A**-5'
HMGA2; ID01641.3p-miR; 5UTR; 545; -132; 89; 24 5'-CCCACCCACCGCCGCCGCCGCCAC-3' ||| || |||||||||||||||| 3'-GGGGUGGGGGCGGCGGCGGCGGUG-5'	*HMGA2*; ID02428.3p-miR; 5UTR; 315; -108; 88; 22 5'-GGUGGGGGG**A**A**GAG**GA**G**GAGGA-3' |||||||||||||||||||||| 3'-CCACCCCCC**C**U**UCU**CU**U**CUCCU-5'
HMGA2; ID03324.3p-miR; 5UTR; 312; -110; 87; 22 5'-CAGGGUGGG**G**GGA**A**GAGGAGG**A**-3' |||||||||||||||||||| 3'-CUCCCACCC**U**CCU**C**CUCCUCC**C**-5'	*SMAD3*; miR-4508; 5'UTR; 111; -100; 94; 17 5'-CGCGCGCCGAGCCCCGC-3' |||||||| |||||||| 3'-GCGCGCGGGUCGGGGCG-5'
FOXA1; ID02542.5p-miR; CDS; 1129; -125; 87; 24 5'-GG**G**GCCGGCGGCGG**G**GGCG**G**G**A**G**C**-3' ||||||||||||||||| |||||||| 3'-CC**U**CGGCCGCCGCC**U**CGGC**U**C**C**C**A**-5'	*FOXA1*; ID03332.3p-miR; CDS; 1150; -134; 90; 24 5'-**A**GCGGA**A**GCGG**G**GGC**A**GCGGCGCC-3' |||||||||||||||||||||||| 3'-**C**CGCCU**C**CGCC**U**CCG**C**CGCCGCGG-5'
HMGA2; ID00101.3p-miR; 3'UTR; 1263; -110; 88; 22 5'-GGUGGGGUGGGGGAG**GG**G**GG**GG-3' | |||||||||||||||||||||| 3'-CGACCCCACCCCCUC**UU**C**UU**CC-5'	*HMGA2*; ID00849.3p-miR; 3'UTR; 1268; -117; 90; 22 5'-GGUGGG**G**GAGGGGG**G**G**G**UGGGG-3' ||||||||||||||||||| |||| 3'-CCACCC**U**CUCCCCC**U**C**U**CCCCC-5'
SMAD3; miR-4507; 3'UTR; 2066; -106; 91; 20 5'-CCCAGCCCAGCCCC**G**CCCCG-3' ||||||||||||| |||| | 3'-GGGUCGGGUCGGGU**U**GGGUC-5'	*SMAD3*; miR-937-5p; 3'UTR; 2072; -102; 89; 20 5'-CCAGCCCC**G**CCC**C**GCC**C**C**G**C-3' ||||||||||||||| ||||| 3'-GGUCGGGG**U**GGG**A**CUG**A**G**U**G-5
TGFB1; miR-877-3p; 233; 5'UTR; -108; 93; 21 5'-CGGGGAGGAGGG**G**GA**G**GAGGA-3' | |||||||||||||||||||| 3'-GACCCUCCUCCC**U**CU**U**CUCCU-5'	*TGFB1*; miR-937-5p; 2089; 3'UTR; -102; 89; 20 5'-CC**G**GCCCCACCC**C**GCCCC**G**C-3' ||||||||||||||| ||||| 3'-GG**U**CGGGGUGGG**A**CUGAG**U**G-5'
HMGA2; ID01403.5p-miR; 5'UTR; 547; -119; 88; 23 5'-C**A**C**C**CACCGC**C**GC**C**GCCGCC**A**C**C**-3' |||||||||||||||||||||||| 3'-G**C**G**A**GUGGCG**A**CG**A**CGGCGG**C**G**A**-5'	*SMAD3*; ID01020.5p-miR; 5'UTR; 194; -117; 100; 19 5'-GCGACCGCGGCAGGCCCCG-3' |||||||||||||||||||| 3'-CGCUGGCGCCGUCCGGGGC-5'
ANGPTL4; ID01593.5p-miR; CDS; 259; -134; 100; 23 5'-AGCGCUCAGGGCGGACCCGUGCA-3 |||||||||||||||||||||||| 3'-UCGCGAGUCCCGCCUGGGCACGU-5'	*FOXA1*; ID03332.3p-miR; CDS; 150; -134; 90; 24 5'-**A**GCGGA**A**GCGG**G**GGC**A**GCGGCGCC-3' |||||||||||||||||||||||| 3'-**C**CGCCU**C**CGCC**U**CCG**C**CGCCGCGG-5'

Note: Gene; miRNA; the miRNA region; start of binding site (nt); the free energy, ΔG (kJ/mole); the ΔG/ΔGm (%); length of miRNA (nt). The upper and lower nucleotide sequences of mRNA and miRNA, respectively. The nucleotides of non-canonical pairs G-U and A-C highlighted in bold type.

Supplemental Figure S2 Schemes of miRNA interaction with mRNA of candidate genes of breast cancer luminal A and B subtypes.