

Figure S1

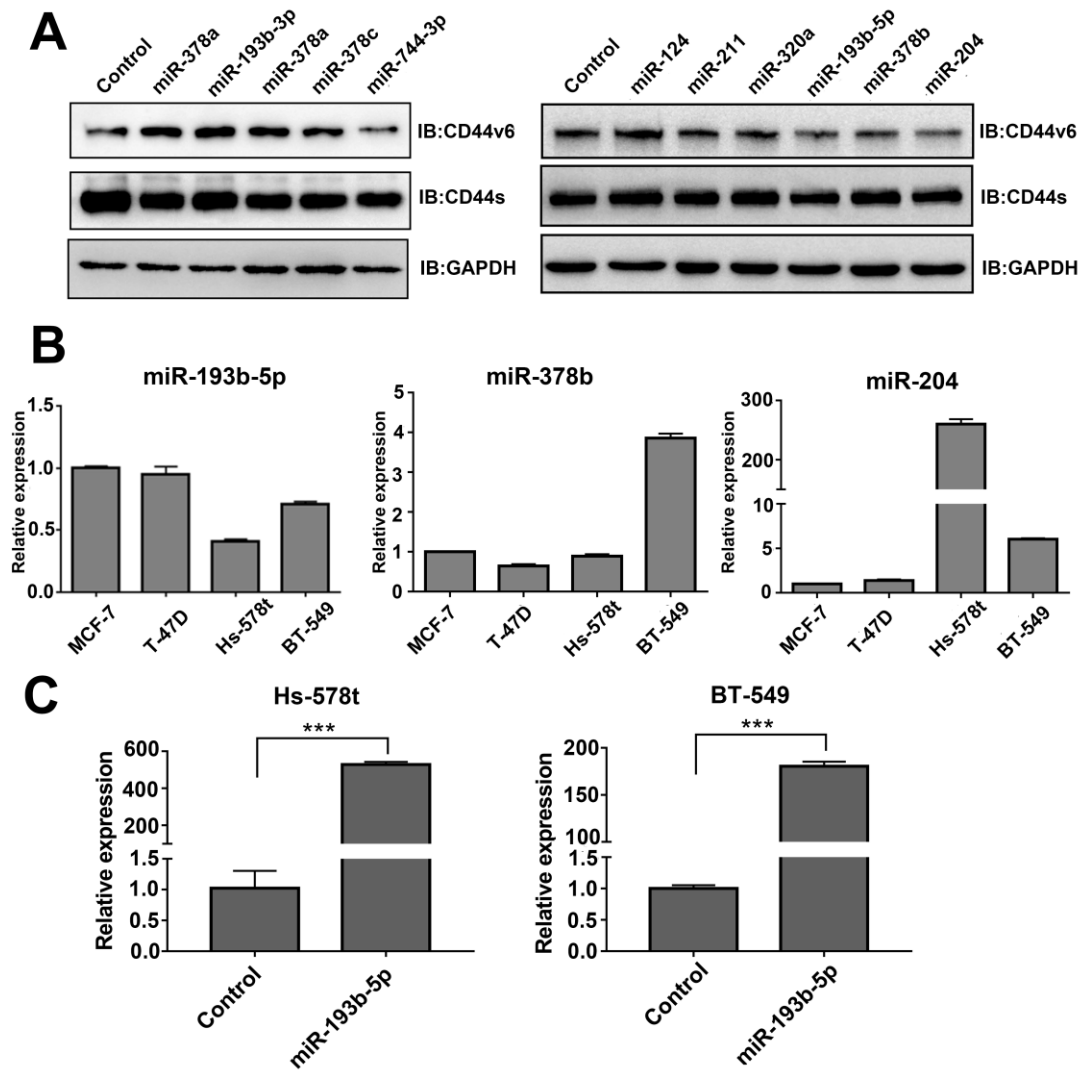


Figure S1 miR-193b-5p, miR-378b and miR-204 may target CD44v6

(A) Western blot analysis of CD44v6 expression in BT-549 cells transfected with 11 miRNAs. (B) qRT-PCR analysis of miR-193b-5p, miR-378b and miR-204 in the breast cancer cell lines MCF-7, T-47D, Hs-578t and BT-549. (C) qRT-PCR analysis of miR-193b-5p after the miRNA transfection in Hs-578t and BT-549. ***P<0.01

Table S1 Sequences of chemically synthesized oligonucleotides

| | | |
|------------------------------|-------------------|--|
| Primers for CD44v6 and GAPDH | CD44v6 | The forward primer 5'-TGCTACCATCCAGGCAACT-3' The reverse primer 5'-ATCATTCCTATCAGCTGTCC-3' |
| | CD44-exon v6 | The forward primer 5'-TGCTCTAGATCCAGGCAACTCCTAGTAGT-3' The reverse primer 5'-AAGGAAAAAAGCGGCCCGCCAGCTGTCCCTGTTG TCGAA-3' |
| | GAPDH | The forward primer 5'-AGCCTCAAGATCATCAGC-3' The reverse primer 5'-GAGTCCTTCCACGATACC-3' |
| | CD44 exon v6-Mut1 | The forward primer 5'-TGCTCTAGAGTAGTACAACGGAAGAAACA-3' The reverse primer 5'-AAGGAAAAAAGCGGCCCGCCAGCTGTCCCTGTTG TCGAA-3' |
| | CD44 exon v6-Mut2 | The forward primer 5'-TAATTCTAGATCCAGGCAACGATAGTAGTACA ACGGAAGAA-3' The reverse primer 5'-TTCTTCCGTTGTAATACTATCCGTTGCCTGGATC TAGAATTA-3' |
| Primers for miRNAs | miR-193b-5p | miR-193b-5p-RT 5'-CTCAACTGGTGTTCGTGGAGTCGGCAATTCAGTT GAGTCATCTCG-3' The forward primer 5'-ACACTCCAGCTGGGCGGGGTTTTGAGGGCG-3' The reverse primer 5'-CTCAACTGGTGTTCGTGGAGTCGG -3' |
| | miR-378b | miR-378b-RT 5'-CTCAACTGGTGTTCGTGGAGTCGGCAATTCAGTT GAGTTCTGCCT-3' The forward primer 5'-ACACTCCAGCTGGGACTGGACTTGGAGGCA-3' The reverse primer 5'-CTCAACTGGTGTTCGTGGAGTCGG -3' |
| | miR-204 | miR-204-RT 5'-TCAACTGGTGTTCGTGGAGTCGGCAATTCAGTTG AGAGGCATAG-3' The forward primer |

| | | |
|-----------------------|--|---|
| | | <p>5'-ACACTCCAGCTGGGTTCCCTTTGTCATCCT-3'</p> <p>The reverse primer</p> <p>5'-CTCAACTGGTGTCGTGGAGTCGG -3'</p> |
| | U6 | <p>U6-RT</p> <p>5'-CTCAACTGGTGTCGTGGAGTCGGCAATTCAGTT GAGAAAATATG-3'</p> <p>The forward primer</p> <p>5'-ACACTCCAGCTGGGCGCAAATTCGTGAAGC-3'</p> <p>The reverse primer</p> <p>5'-CTCAACTGGTGTCGTGGAGTCGG -3'</p> |
| siRNA and miRNA | <p>CD44v6 siRNA</p> <p>control siRNA</p> <p>miR-193b-5p mimic</p> <p>control mimic</p> | <p>5'-CAGUGGUUUGGCAACAGAUTT-3'</p> <p>5'-GCGACGAUCUGCCUAAGA-3'</p> <p>5'-CGGGGUUUUGAGGGCGAGAUGA-3'</p> <p>5'-UUUGUACUACACAAAAGUACUG-3'</p> |