

**Supplementary table 1.** The sequence of primers for Quantitative reverse transcription –PCR.

| Gene       | Forward primer (5'-----3') | Reverse primer(5'-----3') |
|------------|----------------------------|---------------------------|
| USP43      | GAGTCAAGTGAAGTGCCAATGT     | TGAGGGCAGCTATATGGTCTC     |
| E-cadherin | CGAGAGCTACACGTTACGG        | GGGTGTCGAGGGAAAAATAGG     |
| Vimentin   | CGAAACTTCTCAGCATCACG       | GCAGAAAGGCACTTGAAAGC      |
| N-cadherin | TCAGGCGTCTGTAGAGGCTT       | ATGCACATCCTTCGATAAGACTG   |
| CD133      | AGTCGGAAACTGGCAGATAGC      | GGTAGTGTTGTACTGGGCCAAT    |
| CD44       | CTGCCGCTTTGCAGGTGTA        | CATTGTGGGCAAGGTGCTATT     |
| ZEB1       | CAGCTTGATACCTGTGAATGGG     | TATCTGTGGTCGTGTGGGACT     |
| GAPDH      | AGAAGGCTGGGGCTCATTG        | AGGGGCCATCCACAGTCTTC      |