**Table S1. Oligonucleotides of miRNAs and siRNAs**

| | |
|---|---|
| mimic control | UGUACCAAUUUCCAGUGGAGAU |
| inhibitor control | AUGGUGUUAUCAAGUGUAACAG |
| miR-485-5p mimics | UAUGCAUUGUAUUUUUAGGUCC |
| miR-485-5p inhibitor | AUACGUAACAUAAAAAUCCAGG |
| shZNF384 sense | ccggCGGCAACACAACAAAGATAAACTCGAGTTTATCTTTGTTGTGTTGCC GTTTTTg |
| shZNF384 anti-sense | aattcAAAAACGGCAACACAACAAAGATAAACTCGAGTTTATCTTTGTTGTG TTGCCG |
| siZEB1 | GCUGUUGUUCUGCCAACAGTT |

**Table S2. Oligonucleotides used for RT-qPCR**

| Name | Sequence (5' to 3') |
|---|---|
| miR-485-5p | CCAAGCTTCACCCATTCCTAACAGGAC |
| U6 | CTCGCTTCGGCAGCACA |
| ZNF384 up<br>ZNF384 low | GTCTCAGGTCAGATCGAGAACA<br>ACTCTGTGTCCATACTGATGCC |
| TWIST1 up<br>TWIST1 low | GCAAGAAGTCGAGCGAAGAT<br>GCTCTGCAGCTCCTCGAA |
| SNAIL up<br>SNAIL low | GTCCGTCTGCCGCACCTGAG<br>ACACGGCGGTCCCTACAGC |
| SLUG up<br>SLUG low | TTCGGACCCACACATTACCT<br>TTGGAGCAGTTTTTGCACTG |
| ZEB1 up<br>ZEB1 low | TCAAAAGGAAGTCAATGGACAA<br>GTGCAGGAGGGACCTCTTTA |
| GAPDH up<br>GAPDH low | CAAGGTCATCCATGACAACTTTG<br>GTCCACCACCCTGTTGCTGTAG |

**Table S3. Antibodies used for study**

| Name | Source | Catalog |
|---|---|---|
| ZNF384 | Abcam | ab176689 |
| β-Actin | Immunoway | YM3028 |

| | | |
|---|---|---|
| E-cadherin | Immunoway | YT1454 |
| Vimentin | Immunoway | YT4879 |
| N-cadherin | Immunoway | YT2988 |
| ZEB1 | Abcam | ab180905 |

**Table S4. Oligonucleotides used for ChIP and methylation specific PCR**

| Name | Sequence (5' to 3') |
|---|---|
| ZNF384 site 1 up | CGAGTGGGGTCCACGTTT |
| ZNF384 site 1 low | CATTATCCGGCTTCAGCG |
| ZNF384 site 2 up | CGCTGAAGCCGGATAATG |
| ZNF384 site 2 low | TTCAGGTCTCGATCCCTC |
| ZNF384 site 3 up | GAGAGACGTTGTAAGTTG |
| ZNF384 site 3 low | GTTGCCGCCCATTATTAT |
| ZNF384 site 4 up | GCCGCAGCCCAGGCTATA |
| ZNF384 site 4 low | CGCGTTTCGCATCCCAGA |
| ZEB1 site up | GGCAGCTTCAGGAAAGAT |
| ZEB1 site low | TCTTCTGGAAGTCGGCCT |