### Table S1: Primers for real-time PCR and siRNA sequence

| mRNA/siRNA   | Sequence                                      |
|--------------|-----------------------------------------------|
| GAPDH        | Forward 5’-CTGGGCTACACTGAGCACC-3'             |
|              | Reverse 5’-AAGTGGTCGTGAGGGCAATG-3'            |
| RMST         | Forward 5’-AGCAATGCATTCTTACATCGG-3'           |
|              | Reverse 5’-ATGCAATTTCGGTGTTGGG-3'             |
| SOX9         | Forward 5’-AGCGAACGCACATCAAGAC-3'             |
|              | Reverse 5’-CTGTAGGCAGATCTGTTGGG-3'            |
| CTNNB1       | Forward 5’-AAAGCGGCTTGTTAGTCAGGG-3'           |
|              | Reverse 5’-CGACGACATCCACTGCTCCAT-3'           |
| VIM          | Forward 5’-GACGCCATCAACACCGAGTT-3'            |
|              | Reverse 5’-CTTTGTCGTGGTTGAGCTGGT-3'           |
| ZEB1         | Forward 5’-GATGATGAATGCGAGTCTGAC-3'           |
|              | Reverse 5’-ACAGCAGTGTCTTTGTTGT-3'             |
| CTNNB1 (primers for ChIP) | Forward 5’-CGCGGGGACTACCCCA-3'            |
|              | Reverse 5’-GACCGACGAGGGCTTAAATGA-3'           |
| VIM (primers for ChIP) | Forward 5’-GATGGCCCAGCTGAAGTT-3'            |
|              | Reverse 5’-CCTAGCGGTTAGGGGAAAC-3'             |
| ZEB1 (primers for ChIP) | Forward 5’-CCACCACCTCAGGAAAAC-3'            |
|              | Reverse 5’-TACGACACTCCGGCTTAC-3'             |
| siFBW7#1     | CAGCGGGGACGGAAGCTC                  |
| siFBW7#2     | GCAACAGCAACTCAGACAA                  |
| siRMST#1     | CCAACCGUGUUGUUGUACAA                  |
| siRMST#2     | GCGUGCGUUAUGUCAUAUU                  |
| siNC         | GCUGUUUGUUGCGGAUU                  |
### Table S2 Antibodies for Western blot, IP and ChIP

| Antibody | Concentration | Specificity | Company |
|----------|---------------|-------------|---------|
| SOX9     | 1:1,000       | Rabbit      | GeneTex |
| β-catenin| 1:1,000       | Rabbit      | CST     |
| Ki-67    | 1:1,000       | Rabbit      | CST     |
| FBW7     | 1:1,000       | Rabbit      | GeneTex |
| E-cadherin| 1:1,000     | Rabbit      | CST     |
| N-cadherin| 1:1,000     | Rabbit      | CST     |
| Fibronectin| 1:1,000   | Rabbit      | CST     |
| Vimentin | 1:1,000       | Rabbit      | CST     |
| ZEB1     | 1:1,000       | Rabbit      | GeneTex |
| GAPDH    | 1:1,000       | Rabbit      | CST     |
| Ubiquitin| 1:1,000       | Rabbit      | CST     |

### Table S3 Constructs

| Constructs | Sequence            |
|------------|---------------------|
| siFBW7#1   | CAGCAAAAGACGACGACT  |
| siFBW7#2   | GCAACAGCAACTCAGACAA |
| siRMST#1   | CCACCACGGUGUUUACAA  |
| siRMST#2   | GCUGGCUAAUGCAUAUU   |
| siNC       | GCUGUUGUUGGCAGAAUU  |