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| **shRNA** | **Oligo Sequence** |
| shZeb1 #1 | TGCTGTTGACAGTGAGCGAACGTACTTTTAGTTTTAGAAATAGTGAAGCCACAGATGTATTTCTAAAACTAAAAGTACGTGTGCCTACTGCCTCGGA |
| shZeb1 #2 | TGCTGTTGACAGTGAGCGCCTGTAGTTTGTATTAATACAATAGTGAAGCCACAGATGTATTGTATTAATACAAACTACAGTTGCCTACTGCCTCGGA |
| shSnai1 #1 | TGCTGTTGACAGTGAGCGCAAGCAGCATTTTGTATAGTTATAGTGAAGCCACAGATGTATAACTATACAAAATGCTGCTTATGCCTACTGCCTCGGA |
| shSnai1 #2 | TGCTGTTGACAGTGAGCGCACAGTTTATTGATATTCAATATAGTGAAGCCACAGATGTATATTGAATATCAATAAACTGTATGCCTACTGCCTCGGA |
| shSnai2 #1 | TGCTGTTGACAGTGAGCGCCCTGGTCAAGAAACATTTCAATAGTGAAGCCACAGATGTATTGAAATGTTTCTTGACCAGGATGCCTACTGCCTCGGA |
| shSnai2 #2 | TGCTGTTGACAGTGAGCGAACCCACTCTGATGTAAAGAAATAGTGAAGCCACAGATGTATTTCTTTACATCAGAGTGGGTCTGCCTACTGCCTCGGA |
| shEcad #1 | TGCTGTTGACAGTGAGCGACCGGGACAATGTGTATTACTATAGTGAAGCCACAGATGTATAGTAATACACATTGTCCCGGGTGCCTACTGCCTCGGA |
| shEcad #2 | TGCTGTTGACAGTGAGCGCACCATGTTTGCTGTATTCTAATAGTGAAGCCACAGATGTATTAGAATACAGCAAACATGGTATGCCTACTGCCTCGGA |
| shGata6 #1 | TGCTGTTGACAGTGAGCGATCCTACTTCCTCTTCTTCTAATAGTGAAGCCACAGATGTATTAGAAGAAGAGGAAGTAGGAGTGCCTACTGCCTCGGA |
| shGata6 #2 | TGCTGTTGACAGTGAGCGCAACCAGGAAACGAAAACCTAATAGTGAAGCCACAGATGTATTAGGTTTTCGTTTCCTGGTTTTGCCTACTGCCTCGGA |
| shKlf5 #1 | TGCTGTTGACAGTGAGCGACACCTGTCAGATACAACAGAATAGTGAAGCCACAGATGTATTCTGTTGTATCTGACAGGTGGTGCCTACTGCCTCGGA |
| shKlf5 #2 | TGCTGTTGACAGTGAGCGAGTGAACAATATCTTCATCAAATAGTGAAGCCACAGATGTATTTGATGAAGATATTGTTCACCTGCCTACTGCCTCGGA |
| shElf5 #1 | TGCTGTTGACAGTGAGCGACCCTGAGATACTACTATAAAATAGTGAAGCCACAGATGTATTTTATAGTAGTATCTCAGGGCTGCCTACTGCCTCGGA |
| shElf5 #2 | TGCTGTTGACAGTGAGCGAGAGCCCTGAGATACTACTATATAGTGAAGCCACAGATGTATATAGTAGTATCTCAGGGCTCGTGCCTACTGCCTCGGA |

 Supplementary Table S5. Oligos for shRNAs.