

S1_Table. The synthesis of sgRNAs sequence

Gene name	Gene ID	sgRNA	Exon	Sequence (5' – 3')
<i>SMAD4</i>	540248	S-gRNA	1	FP: CACCTGTTACCATACAGAGAACAT RP: AAACATGTTCTCTGTATGGTAACA
<i>TEAD4</i>	526771	T-gRNA	5	FP: CACCGCCACATCCAGGTGCTGGCT RP: AAACAGCCAGCACCTGGATGTGGC
<i>CDX2</i>	618679	C-gRNA	1	FP: CACCGGACTACGGCGGATACCATG RP: AAACCATGGTATCCGCCGTAGTCC
<i>CDX2</i>	618679	sgRNA1	1	FP: CACCCCCCGCAGTACCCGGACTA RP: AAAGTAGTCCGGGTACTGCGGGGG
<i>CDX2</i>	618679	sgRNA2	1	FP: CACCCCGTTCCAGTCCTCGCGGAG RP: AAACCTCCGCGAGGACTGGAACGG
<i>CDX2</i>	618679	sgRNA3	1	FP: CACCTTGCTGCAGACGCTCAACCC RP: AAACGGGTAGACGTCTGCAGCAA
<i>OCT4</i>	282316	sgRNA1	1	FP: CACCGCTTCCAAGGCCTCCCGGT RP: AAACACCGGGAGGCCCTTGGAAGC
<i>OCT4</i>	282316	sgRNA2	1	FP: CACCCCTCAGCCCGAGGGCGAGG RP: AAACCTCGCCCTCGGGCTGAGGG
<i>SOX2</i>	784383	sgRNA1	1	FP: CACCCCGCAGCAAACCTTCGGGGGG RP: AAACCCCCCGAAGTTTGCTGCGG
<i>SOX2</i>	784383	sgRNA2	1	FP: CACCCGGCAACCAGAAGAACAGCC RP: AAACGGCTGTTCTTCTGGTTGCCG
<i>SOX2</i>	784383	sgRNA3	1	FP: CACCTATTCTCAGCAGGGCACCCC RP: AAACGGGGTGCCCTGCTGAGAATA