

SUPPLEMENTARY TABLE

Supplementary Table 1. The information of all the primers or antibodies used in the study.

Methylation sites	
IGF2 DMR0	GenBank nucleotides 631–859, accession No. Y13633
IGF2 DMR1	GenBank nucleotides 155440-155238, accession No. AC130303
IGF2 DMR2	GenBank nucleotides 155737-155911, accession No. AC130303
H19 ICR	GenBank nucleotides 7881–8100 accession no. AF125183
Real-time PCR primers	
IGF2	F: 5'- CCTTGGACTTTGAGTCAAATT -3' R: 5'- GGTCGT GCCAATTACATTTCA -3'
H19	F: 5'- TTA CTT CCT CCACGGAGTCG -3' F: 5'- GAGCTGGGTAGCACCATTTC -3'
GAPDH	F: 5'-GTCAACGGATTTGGTTCGTATT-3' R: 5'-AGTCTTCTGGGTGGCAGTGAT-3'
CD133	F: 5'-ACCCAAGACTCCCATAAAGC-3' R: 5'-TACAAAAGAAATACCCCACC-3'
CD44	F: 5'- GAGCATCGGATTTGAGA -3' R: 5'- CATACTGGGAGGTGTTGG -3'
KLF4	F: 5'-CCGCCGCTCCATTACCAA-3' R: 5'-CATCCACAGCCGTCCCAG-3'
SOX2	F: 5'-ACCAGCGCATGGACAGTTAC-3' R: 5'-CCGTTTCATGTAGGTCTGCGA -3'
OCT4	F: 5'-AGAAGCTGGAGCAAAACCCG-3' R: 5'-ACCTTCCCAAATAGAACCCCA-3'
MYC	F: 5'-ACGAACTTTGCCCATAGC-3' R: 5'-CGAGGTCATAGTTCCTGTTG-3'
IR-A	F: 5'-GTTTTCGTCCCCAGGCCAT-3' R: 5'- CCACCGTCACATTCCCAAC -3'
IGF1R	F: 5'- GTCCAGGCCAAAACAGGATA -3' R: 5'- CAGAGGCATACAGCACTCCA -3'
IF Antibodies	
IGF2	ab9574, Abcam, UK
p62	ab211324, Abcam, UK
CD133	ab19898, Abcam, UK

Western-blot Antibodies

IGF2	ab170304, Abcam, UK
CD133	ab19898, Abcam, UK
p62	16177, CST, USA
LC3	3868, CST, USA
Akt	10176-2-AP, Proteintech, China
p-Akt	10176-2-AP, Proteintech, China
GSK3 β	12456T, CST, USA
p- GSK3 β	9322S, CST, USA
Bcl-2	ab182858, Abcam, UK
mTOR	ab2732, Abcam, UK
IR-A	ab5500, Abcam, UK
IGF1R	ab39675, Abcam, UK
GAPDH	10494-1-AP, Proteintech, China

RNA silence

IGF2	F: 5'-GCAAGUUCUCCAAUAUGATT-3' R: 5'-UCAUAUUGGAAGAACUUGCTT-3'
IR-A	F: 5'-GCAUGGAUAUCCGGAACAATT-3' R: 5'-UUGUCCGGAUAUCCAUGCTT-3'
IGF1R	F: 5'-GCACAAUACUGCUCCAAATT-3' R: 5'-UUUGGAGCAGUAAUUGUGCTT-3'
Negative control	5'-GGAUUUCGAGUCGUCUAAUGUAUA-3'
