**Supplementary Table 2. Primersa**

PCR/RTPCRb size bp primer 5' -> 3'

TgOct4 657 Oct4SF1 AGTGAGAGGCAACCTGGAGA

 IRES2SR AGGAACTGCTTCCTTCACGA

TgNANOG 732 NanogSF2 CAGAAGGCCTCAGCACCTAC

 IRES2SR AGGAACTGCTTCCTTCACGA

TgSV40LT 491 SV40TSF1 TGGGGAGAAGAACATGGAAG

 RES2SR AGGAACTGCTTCCTTCACGA

TgSox2 534 IRES2SF1 ACCAGCTCGCAGACCTACAT

 SV40pAR CCCCCTGAACCTGAAACATA

TgLIN28 447 Lin28-SF1 AAGCGCAGATCAAAAGGAGA

 SV40pAR CCCCCTGAACCTGAAACATA

TgKLF4 401 KLF4SF1 CCCACACAGGTGAGAAACCT

 SV40pAR CCCCCTGAACCTGAAACATA

TgEBNA1 666 pEP4SF2 ATCGTCAAAGCTGCACACAG

 pEP4SR2 CCCAGGAGTCCCAGTAGTCA

TgOriP 544 pEP4-SF1 TTCCACGAGGGTAGTGAACC

 pEP4-SR1 TCGGGGGTGTTAGAGACAAC

eOct4 113 Oct4-F2 AGTTTGTGCCAGGGTTTTTG

 Oct4R2 ACTTCACCTTCCCTCCAACC

eGAPDH 152 GAPDHF GTGGACCTGACCTGCCGTCT

 GAPDHR GGAGGAGTGGGTGTCGCTGT

ecMycc 284 CMYCF GCCACAGCATACATCCTGTCCGTCCAAGC

 CMYCR CCAAAGTCCAATTTGAGGCAGTTTAC

Bisulfite sequencing

OCT4\_2 -2609 to -2417 OCT4\_2F ATTTGTTTTTTGGGTAGTTAAAGGT

OCT4\_2R CCAACTATCTTCATCTTAATAACATC

OCT4\_4 -2136 to -1721 OCT4\_4F GGATGTTATTAAGATGAAGATAGTTGG

 OCT4\_4R CCTAAACTCCCCTTCAAAATCTATT

OCT4\_6 -567 to -309 OCT4\_6F TAGTTGGGATGTGTAGAGTTTGAGA

 OCT6\_2R TAAACCAAAACAATCCTTCTACTCC

aPrimer sequences for PCR [47] and bisulfite sequencing [60].

bTransgene (Tg) and endogenous (e) genes on vectors and chromosomes, respectively.

c Primers for RTPCR endogenous cMyc ([Kim, Kim et al. 2009](#_ENREF_23)). Other transcript profiles used EpiTect Assays (Qiagen).