

Table S1. Primers for qPCR and library construction, oligonucleotides and probes for Northern Blot

GAPDH-FW primer Gingold	5'-AATGAAGGGGTCATTGATGG-3'
GAPDH-RV primer Gingold	5'-AAGGTGAAGGTCGGAGTCAA-3'
OCT4-FW primer Gingold	5'-GGTTCTCGATACTGGTTCGC-3'
OCT4-RV primer Gingold	5'-GTGGAGGAAGCTGACAACAA-3'
NANOG-FW primer Gingold	5'-ATGGAGGAGGGAAGAGGAGA-3'
NANOG-RV primer Gingold	5'-GATTTGTGGCCTGAAGAAA-3'
MEIS2-FW primer Gingold	5'-CCTGTGTCTTGCCTAACTG-3'
MEIS2-RV primer Gingold	5'-GGCATTTCCTCCAAAGTAGC-3'
GATA6-FW primer Gingold	5'-ACTTGAGCTCGCTGTTCTCG-3'
GATA6-RV primer Gingold	5'-CAGCAAAAATACTTCCCCCA-3'
degenerate 3' SR Adapter -4N	5'/5Phos/(N:25252525)(N)(N)(N)(N)AGATCGGAAGAGCACACGTCT/3SpC3
degenerate 5' SR Adaptor -4N	5'-rGrUrUrCrArGrArGrUrUrCrUrArCrArGrUrCrCrGrArCrGrArUrCr(N:25252525)r(N)r(N)r(N)r(N)-3'
23nt-RNA marker-FAM	5'-/6-FAM/rUrUrUrArCrGrCrGrArArUrArGrUrUrArArArCrCrUrG/ddC-3'
39nt-RNA marker-FAM	5'-/6-FAM/rUrUrArGrArArGrArCrGrArGrUrCrArCrArUrGrArCrCrArArUrArGrCrGrArUrArArCrUrGrA/ddC-3'
NEBNext SR RT Primer	5'-AGACGTGTGCTCTTCCGATCT-3'
SR Primer for Illumina (RP1)	5'-AATGATACGGCGACCACCGAGATCTACACGTTTCAGAGTTCTACAGTCCGA-3'
RPI01 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>CGTGAT</u> GTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI02 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>ACATCG</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI03 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>GCCTAAG</u> TGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI04 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>TGGTCA</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI05 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>CACTGT</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI06 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>ATTGGC</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI08 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>CAAGT</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI10 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>AAGCTA</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI11 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>GTAGCC</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI12 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>TACAAG</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI13 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>TGACT</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI14 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>GGAAGT</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI15 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>TGACAT</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI16 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>GGACGG</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI17 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>CTCTAC</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI18 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>GCGGAC</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI19 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>TTTACG</u> TGTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI22 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>CGTACG</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI23 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>CCACTC</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI24 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>GCTACC</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI25 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>ATCAGT</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI26 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>GCTCAT</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI27 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>AGGAAT</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI28 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>CTTTTG</u> TGTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI29 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>TAGTTG</u> TGTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI30 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>CCGGTG</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI31 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>ATCGTG</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI34 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>GCCATG</u> GTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI35 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>AAAATG</u> TGTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
RPI36 PCR index primer	5'-CAAGCAGAAGACGGCATAACGAGAT <u>TGTTGG</u> TGTTGACTGGAGTTCAGACGTGTGCTCTTCCGATC*T-3'
GlyGCC DNA oligo 18nt	5'-TGGTGGTTCAGTGGTAGA-3'
GlyGCC DNA oligo 35nt	5'-GCATTGGTGGTTCAGTGGTAGAATTCTCGCTGCC-3'
GlyGCC DNA oligo 74nt	5'-GCATTGGTGGTTCAGTGGTAGAATTCTCGCTGCCACGCGGGAGGCCCGGGTTCGATTCGCGCAATGCACCA-3'
5'GlyGCC-5-1-northern probe	/5Biosg/TCTACCACTGAACCACCAAT-3'
5'TrpCCA-northern probe	/5Biosg/TCAGATGCGCTACCGTTGCGCCA-3'
3'TyrGTA-northern probe	/5Biosg/AACTAAGGATCTACAGTCCCTCCGCTCTACCAGCT-3'
3'SeC-TCA-northern probe	/5Biosg/AAACGCCCCAAATGGAATTGAACCACTCTGTGC-3'
3'HisGTG-northern probe	/5Biosg/AAATGCCGTACTCGGATTCGAACCGAGGTTGCTG-3'
3'PheGAA-northern probe	/5Biosg/AAATGCCGAAACCCGGGATCGAACCCAGGGAC-3'
3'LysCTT-northern probe	/5Biosg/AAACCAACGTGGGGCTCGAACCCACGACCCT -3'
5s rRNA-northern probe	/5Biosg/CCGACCCTGCTTAGCTTCC-3'