

SUPPLEMENTARY ONLINE DATA

Induction of *NANOG* expression by targeting promoter sequence with small activating RNA antagonizes retinoic acid-induced differentiation

Xiaoling WANG, Ji WANG, Vera HUANG, Robert F. PLACE and Long-Cheng LI¹

Department of Urology, University of California San Francisco, San Francisco, CA 94158, U.S.A. and Helen Diller Family Comprehensive Cancer Center, University of California San Francisco, San Francisco, CA 94158, U.S.A.

Table S1 Sequences of dsRNA and oligonucleotide primers

The number in the dsRNA name denotes target location relative to the TSS.

(a)

dsRNA name	Sequence (5'→3')
dsNanog-82	Sense, GGUGAUJAGAGCCUUCAUUA[dT][dT] Antisense, UAAUGAAGGCUCUAUCACC[dT][dT]
dsNanog-153	Sense, AGACGGGAUUAACUGAGAA[dT][dT] Antisense, UUCUCAGUUAAUCCCGUCU[dT][dT]
dsNanog-194	Sense, UGCAGCUACUUUUGCAUU[dT][dT] Antisense, UAAUGCAAAGUAGCUGCA[dT][dT]
dsNanog-205	Sense, CUGGGUUAACUCUGCAGCUA[dT][dT] Antisense, UAGCUGCAGAGUAACCCAG[dT][dT]
dsNanog-302	Sense, CCUGAUUUAAAAGUUGGAA[dT][dT] Antisense, UUCCAACUUUUAAAUCAGG[dT][dT]
dsNanog-325	Sense, UCCCAUUCUUGUUGAACCA[dT][dT] Antisense, UGGUUCACAGGAAUGGGG[dT][dT]
dsNanog-752	Sense, GCCAGAUUUUGAGACUA[dT][dT] Antisense, UAGCUGCAGAGUAACCCAG[dT][dT]
dsNanog-926	Sense, GGGAUJAGACAAGAAACCA[dT][dT] Antisense, UUGGUUUUCUUGUCUAUCCC[dT][dT]
dsNanog-988	Sense, CAGACCUUGGGAAGAAGCUA[dT][dT] Antisense, UAGCUUCUCCCAGGUCUG[dT][dT]
dsControl	Sense, ACUACUGAGUGACAGUAGA[dT][dT] Antisense, UCUACUGUCACUCAGUAGU[dT][dT]

(b)

Primer name	Sequence (5'→3')
<i>NANOG</i>	Forward, AAAGAATCTTCACCTATGCC Reverse, GAAGGAAGAGGAGAGACAGT
<i>FOXH1</i>	Forward, ACCTGCGACATGACAAGCC Reverse, CTTCCAGCCCTCGTAGTCTT
<i>REST</i>	Forward, GCATAAAGATCTGTGTAGGCAGG Reverse, TCCTACTTGAAAGGCGTGAGCA
<i>OCT4</i>	Forward, GACAGGGGGAGGGGAGGAGCTAGG Reverse, CTTCCCTCCAACAGTTGCCCAAAC
<i>REX1</i>	Forward, AACGGGCAAGACAAGACAC Reverse, GCTGACAGTTCTATTCCGC
<i>ASCL1</i>	Forward, CCTGGTGCGAATGGACTTTG Reverse, CTCAGGTCCAGTTGCTCTTC
<i>NEUROD1</i>	Forward, GAAGAGGAAGAGGAGATGACG Reverse, TGGTGGTGGTGGGATAAG
<i>PAX6</i>	Forward, ACCATTATCCAGATGTGTTTGCCCGAG Reverse, ATGGTGAAGCTGGGCATAGCGGCAG
<i>GAPDH</i>	Forward, ATCACCATCTCCAGGAGCGA Reverse, TTCTCCATGGTGGTGAAGACG

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¹ To whom correspondence should be addressed (email lilc@urology.ucsf.edu).