

The primers used in quantitative PCR are shown

Genes	Forward Primer 5' >3'	Reverse Primer 5' >3'
<i>ACTB</i>	ATCAAGATCATTGCTCCTCCTGAG	CTGCTTGCTGATCCACATCTG
<i>H19</i>	GCACCTTGGACATCTGGAGT	TTCTTTCCAGCCCTAGCTCA
<i>POU5F1</i>	GTGGAGGAAGCTGACAACAA	GCCGGTTACAGAACCACACT
<i>SOX2</i>	GGTTACCTCTTCCTCCCACTCC	CCCTCCCATTTCCTCGTTT
<i>NANOG</i>	ACCTATGCCTGTGATTTGTGG	AGTGGGTTGTTTGCCTTTGG
<i>LIN28</i>	CGGGCATCTGTAAGTGGTTC	CAGACCCTTGGCTGACTTCT
<i>ALDH1</i>	ATCAAAGAAGCTGCCGGGAA	GCATTGTCCAAGTCGGCATC
<i>XIST</i>	TACCACTCTGGCCACTACGA	CCCAGCAGTGGTCAGTCATT
mouse- <i>H19</i>	AATGGTGCTACCCAGCTCATG	TCAGAACGAGACGGACTTAAAGAA
mouse- <i>ACTB</i>	GTGGGCCGCTCTAGGCACCAA	CTCTTTGATGTCACGCACGATTTC

RNA probe sequences for *H19*

Name	Forward Primer 5' >3'	Reverse Primer 5' >3'
<i>H19</i> probe	GGGTGGGGGGTAACGGGGGA	TCCCTGTCTGACCCAGGCCTG

Primer sequences for psiCHECK2-*LIN28*

Name	Forward Primer 5' >3'	Reverse Primer 5' >3'
psiCHECK2-LIN28	CAGGTCTTCTTCATATGTTCTTTC	TGGAAAAGGTTACAAGAAGCTGA

Primer sequences for *H19* and *LIN28*

Name	Forward Primer 5' >3'	Reverse Primer 5' >3'
<i>H19</i>	AGCAGGGTGAGGGAGGGGGTG	AGCAGGGTGAGGGAGGGGGTG
<i>LIN28</i>	AGCAGGGTGAGGGAGGGGGTG	AGCAGGGTGAGGGAGGGGGTG

shRNA sequences

Name	5' >3'
shH19-1	GAGTTAGCAAAGGTGACATCT
shH19-2	GACGTGACAAGCAGGACATGA
shH19-3	GCACTACCTGACTCAGGAATC
shH19-4	GACCTCATCAGCCCAACATCA
NTC	TTCTCCGAACGTGTCACGTTTC

siRNA sequences

Name	Sense 5' >3'	Anti-sense 5' >3'
siH19-1	CCCGUCCCUUCUGAAUUUATT	UAAAUUCAGAAGGGACGGGTT
siH19-2	GCGGGUCUGUUUCUUUACUTT	AGUAAAGAAACAGACCCGCTT
siLIN28-1	GGAUGUCUUUGUGCACCAGTT	CUGGUGCACAAAGACAUCCTT
siLIN28-2	GGUUCACACCAUCACCCUUTT	AAGGGUGAUGGUGUGAACCTT
shNC	UUCUCCGAACGUGUCACGUTT	ACGUGACACGUUCGGAGAATT

microRNA mimics sequences

Name	Sense 5' >3'	Anti-sense 5' >3'
let-7a	UUGUACUACACAAAAGUACUG	CUAUACAACCUACUACCUCAUU
let-7b	UGAGGUAGUAGGUUGUGUGGUU	CCACACAACCUACUACCUCAUU

microRNA inhibitors sequences

Name	5' >3'
let-7a	AACUAUACAACCUACUACCUCA
let-7b	AACCACACAACCUACUACCUCA