

The primers used in quantitative PCR are shown

Genes	Forward Primer 5' >3'	Reverse Primer 5' >3'
<i>ACTB</i>	ATCAAGATCATTGCTCCTCCTGAG	CTGCTTGCTGATCCACATCTG
<i>PDK1</i>	ACTTCGGATCAGTGAATGCTTG	ACTCTTGCCGCAGAAACATAAA
<i>ALDH1</i>	ATCAAAGAAGCTGCCGGGAA	GCATTGTCCAAGTCGGCATC
<i>H19</i>	GCACCTTGGACATCTGGAGT	TTCTTTCCAGCCCTAGCTCA
<i>POU5F1</i>	GTGGAGGAAGCTGACAACAA	GCCGGTTACAGAACCACACT
<i>SOX2</i>	GGTTACCTCTTCCTCCCACTCC	CCCTCCCATTTCCTCGTTT
<i>NANOG</i>	ACCTATGCCTGTGATTTGTGG	AGTGGGTTGTTTGCCTTTGG
<i>MYC</i>	CGAGGAGGAGAACTTCTACCAGC	CGAGAAGCCGCTCCACATACAGTCC
<i>HOTAIR</i>	CAGTGGGGA ACTCTGACTCG	GTGCCTGGTGCTCTCTTACC
<i>lncRoR</i>	CTGGCTTTCTGGTTTGACG	CAGGAGGTTACTGGACTTGGAG
<i>NEAT1</i>	CCAGTTTTCCGAGAACCAAA	ATGCTGATCTGCTGCGTATG
<i>UCA1</i>	CTCTCCATTGGGTTCAACATTC	GCGGCAGGTCTTAAGAGATGAG
<i>WT1</i>	GCCTCTCTGTCCTCTTCTTTGT	GCTGTGAGTCCTGGTGCTTAGC
<i>HINCUT1</i>	CAGGTGGGTGAAACCTCCTA	TGGAAGAGGAGGAGGAGGTT
<i>LINK-A</i>	TTCCCCCATTTTTCCTTTTC	CTCTGGTTGGGTGACTGGTT
<i>LincRNA-p21</i>	CCTGTCCCCTCGCTTTCCATT	GGAAGTGGAGACGGAATGTC
<i>HIF1A</i>	GAACGTCGAAAAGAAAAGTCTCG	CCTTATCAAGATGCGAACTCACA

shRNA sequences

Name	5' >3'
shPDK1-1	GGAAGGATACGGACCTCTTAA
shPDK1-2	GCCTAACAGGACGTATTATCT
shHIF1 α -1	GCCGAGGAAGAACTATGAACA
shHIF1 α -2	GGTATAAGAAACCACCTATGA
shH19-1	GCACTACCTGACTCAGGAATC
shH19-2	GACCTCATCAGCCCAACATCA
NTC	TTCTCCGAACGTGTCACGTTTC

siRNA sequences

Name	Sense 5' >3'	Anti-sense 5' >3'
siH19-1	CCCGUCCCUUCUGAAUUUATT	UAAAUUCAGAAGGGACGGGTT
siH19-2	GCGGGUCUGUUUCUUUACUTT	AGUAAAGAAACAGACCCGCTT
siPDK1	GGAUGC UAAAGCUAUUUUATT	AUAAAUAGCUUUAGCAUCCTT
siNC	UUCUCCGAACGUGUCACGUTT	ACGUGACACGUUCGGAGAATT

microRNA mimics sequences

Name	Sense 5' >3'	Anti-sense 5' >3'
let-7a	UGAGGUAGUAGGUUGUAUAGUU	CUAUACAACCUACUACCUCAU
let-7b	UGAGGUAGUAGGUUGUGUGGUU	CCACACAACCUACUACCUCAU

microRNA inhibitors sequences

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

Information of 15 breast cancer tissues

Case	Age	Sex	TNM	Stage	ER	PR	HER2
110046	46	F	T2N1M1	II A	-	-	-
112789	50	F	T4N2M0	I B	+	+	-
112378	37	F	T3N3M0	II B	-	-	-
123456	52	F	T2N0M0	I A	++	++	++
117891	61	F	T2N1M0	II B	+++	+	+
111457	56	F	T1N0M0	II A	-	-	+
127560	70	F	T3N2M0	II B	+	+	-
113589	42	F	T1N1M0	I A	+++	++	+
120014	51	F	T4N1M1	III A	+	+	-
114567	65	F	T2N1M0	II A	+++	++	-
124789	56	F	T2N2M0	II B	-	-	+
120421	48	F	T2N1M0	II B	-	-	+/-
112035	60	F	T3N1M0	II A	-	-	-
121116	58	F	T2N2M1	II B	-	-	+/-
117891	56	F	T2N3M1	III A	-	-	-