

Table S2. PCR primers for amplifying miRNA from DNA and RT-PCR/real time PCR primers

No.	Name	Primers	Description
1	miR-10b	CTAGCCTGCAGGATCCTGGCAAGCCGATGAGGG	miR-10b Amplification Primers
		ATCCGGCCGGCCCTTTTACCTCACTCTCTAAT	
2	miR-16-1	CTAGCCTGCAGGGATCTAGGATTACAAGTGACC	miR-16-1 Amplification Primers
		ATCCGGCCGGCCATTATGCACATACCAAGTGTTAG	
3	miR-18a	CTAGCCTGCAGGAGCTGTAATTGATGTTTGTG	miR-18a Amplification Primers
		ATCCGGCCGGCCGCAGTACTTTAAGTGCTCGT	
4	miR-19a	CTAGCCTGCAGGCAGGTAGTGATGTGTGCATC	miR-19a Amplification Primers
		ATCCGGCCGGCCCTGGATTTGCACAGCAGAATA	
5	miR-19b-1	CTAGCCTGCAGGGTTGTGTTTGCAGCCCTCTG	miR-19b-1 Amplification Primers
		ATCCGGCCGGCCAACAAACCACAATTTAAAAA	
6	miR-24-1	CTAGCCTGCAGGCGTGCTGACCACCCTTAAGT	miR-24-1 Amplification Primers
		ATCCGGCCGGCCGAAAGGCTCTACAGACAAGG	
7	miR-25/93	CTAGCCTGCAGGTTGCTGCTTGAATCCATGAG	miR-25/93 Amplification Primers
		ATCCGGCCGGCCGTCCAGTCTCACTCTTCATT	
8	miR-29a	CTAGCCTGCAGGTAGCACCATTGAAATCAGT	miR-29a Amplification Primers
		ATCCGGCCGGCCGTGAGCTGTTAGAACCCTTAT	
9	miR-29b-2	CTAGCCTGCAGGATTGTCATTGTCTTGAACAA	miR-29b-2 Amplification Primers
		ATCCGGCCGGCCGTGAATGAAGCAGTCCTCCA	
10	miR-29c	CTAGCCTGCAGGAGGCAGTGATAGTGAGAAAG	miR-29c Amplification Primers
		ATCCGGCCGGCCAAAAATAGTAGATAAAACAG	
11	miR-30a	CTAGCCTGCAGGATAAACTTACTCATGTTCTA	miR-30a Amplification Primers
		ATCCGGCCGGCCCTACTCTGAGATTTGATAAAT	
12	miR-30b	CTAGCCTGCAGGTAGGTGGGAAAAGCTATAGA	miR-30b Amplification Primers
		ATCCGGCCGGCCGTGACAAAGAAGTGGAGAC	
13	miR-30c-1	CTAGCCTGCAGGGACAGTTTGTCTATGCAAGTA	miR-30c-1 Amplification Primers
		ATCCGGCCGGCCGCGATGGAAGATGCTACCCA	
14	miR-30e	CTAGCCTGCAGGGGTTTAGTGTAATATGCCTC	miR-30e Amplification Primers
		ATCCGGCCGGCCCTCTCTTTAGTCATCTATTCA	
15	miR-31	CTAGCCTGCAGGTATGGACTATGAAAATGGCT	miR-31 Amplification Primers
		ATCCGGCCGGCCTTCTGACAAGTCAGAGCAGG	
16	miR-32	CTAGCCTGCAGGGAGTGAGATTGAGAGTTAGT	miR-32 Amplification Primers
		ATCCGGCCGGCCCTTTAAACAAGTATTACTTA	
17	miR-93	CTAGCCTGCAGGGGTGAGTGGTGGGTCCCTGT	miR-93 Amplification Primers
		ATCCGGCCGGCCCTTTCTTTGCTCCAGCTTCA	
18	miR-100	CTAGCCTGCAGGCAGGCACTTGTCTATCTCT	miR-100 Amplification Primers
		ATCCGGCCGGCCCTTTTGATGAGCCTATTTAT	
19	miR-106b	CTAGCCTGCAGGGCCTGCTTCCCGCTTTCCC	miR-106b Amplification Primers
		ATCCGGCCGGCCGAGACCAGACCCTTCTGAAC	
20	miR-124a-1	CTAGCCTGCAGGAGCTGCGGTAGGAAGGATGC	miR-124a-1 Amplification Primers
		ATCCGGCCGGCCAGGCTATTTTCTGCCGCCG	
21	miR-124a-2	CTAGCCTGCAGGACTTCGATCCATGTCTCAT	miR-124a-2 Amplification Primers
		ATCCGGCCGGCCCTCCGTTTTGTTTTCCAGTT	
22	miR-125a	CTAGCCTGCAGGATAGGAGCTGGGGTGTCTTC	miR-125a Amplification Primers
		ATCCGGCCGGCCTGCCACAAACAGCTGGCAGA	
23	miR-126	CTAGCCTGCAGGACAGCAGGTAACTTGCCTT	miR-126 Amplification Primers
		ATCCGGCCGGCCCTGTTCTAGCACATCAACC	
24	miR-127	CTAGCCTGCAGGAAGCAGCTCCAGTTTTGTGAAC	miR-127 Amplification Primers
		ATCCGGCCGGCCCTTCTCCATCGTCTTAGGCAT	
25	miR-128-1	CTAGCCTGCAGGTGTCTTACTGTTAATAACTG	miR-128-1 Amplification Primers
		ATCCGGCCGGCCAGTAATGAGTTTGGCATGCT	
26	miR-146a	CTAGCCTGCAGGCTGCCCTTGGACCAGCAGTC	miR-146a Amplification Primers
		ATCCGGCCGGCCGCTCTCTTTTCTTCTTGAC	

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27	miR-151	CTAGCCTGCAGGTCTAGGAAAGTATTGCTGCT ATCCGGCCGGCCAAGGGGACAAATTTGGGGAT	miR-151 Amplification Primers
28	miR-155	CTAGCCTGCAGGTATTCAAATATTTCCACAGA ATCCGGCCGGCCTGAAGATGGTTATGAACATA	miR-155 Amplification Primers
29	miR-181a-1	CTAGCCTGCAGGCCTGCTTCTTTCTTCTGTA ATCCGGCCGGCCCTTTGGTTCTTCTCCACC	miR-181a-1 Amplification Primers
30	miR-181a-2	CTAGCCTGCAGGTACAAATCCTACTACACATA ATCCGGCCGGCCAGATTTTTTCTACAGTAA	miR-181a-2 Amplification Primers
31	miR-191	CTAGCCTGCAGGCTTCTCTCGGGTCTCACGG ATCCGGCCGGCCCCATGAAGACGGTTGGGGTGG	miR-191 Amplification Primers
32	miR-199b	CTAGCCTGCAGGAACCCATCTAGGGAGGCCCG ATCCGGCCGGCCTGTGCAGGGTCCCATCAGC	miR-199b Amplification Primers
33	miR-290	CTAGCCTGCAGGGCTAGGAGTTACTGAGGGCAG ATCCGGCCGGCCCCGCTACATAGGTGTAACAGCT	miR-290 Amplification Primers
34	miR-291a	CTAGCCTGCAGGACGGCTATCTGGCACATTTAC ATCCGGCCGGCCCAAAAGAGCCCCCAGTTTGAG	miR-291a Amplification Primers
35	miR-292	CTAGCCTGCAGGAAGTGCTTCCACTTTGTGTGC ATCCGGCCGGCCATCGACACTGTATGTTCCAAC	miR-292 Amplification Primers
36	miR-293	CTAGCCTGCAGGCAAGCTTGGTGGACAGCCGG ATCCGGCCGGCCTCCACTTAAAGCTTAGATAG	miR-293 Amplification Primers
37	miR-294	CTAGCCTGCAGGTTGCCGATTGAGAACTGCAG ATCCGGCCGGCCACCTTGTTTCAATAGCA	miR-294 Amplification Primers
38	miR-295	CTAGCCTGCAGGTACTGTATTACATATAGCTGC ATCCGGCCGGCCAGGGTGCTTGCATGCTTGCAAG	miR-295 Amplification Primers
39	miR-298	CTAGCCTGCAGGTTCCAGCTACGTGCGCTCAG ATCCGGCCGGCCTACAGGATACTTGCCACACCAT	miR-298 Amplification Primers
40	miR-301a	CTAGCCTGCAGGGATGCCCATGTTAGCTACTAAA ATCCGGCCGGCCCAAGTACTATTCAAGTTAGACA	miR-301a Amplification Primers
41	miR-301b	CTAGCCTGCAGGTGGCTGGAGTGGGATCTTAGA ATCCGGCCGGCCGGCCTCTCTCCTTTGTGTTGA	miR-301b Amplification Primers
42	miR-302a	CTAGCCTGCAGGTGAAGAGTAAGTGCTTCCATG ATCCGGCCGGCCGTGCAATTCCAATTCTATTCA	miR-302a Amplification Primers
43	miR-302c	CTAGCCTGCAGGGGTAAAGCTTATGTCTGTAACC ATCCGGCCGGCCAATGCACAGCAAGTGCTCCA	miR-302c Amplification Primers
44	miR-302cluster	CTAGCCTGCAGGGTCTTGTAATGATTCTCAGAGA ATCCGGCCGGCCACTTAGAATTCTGCTCTACTGA	miR-302cluster Amplification Primers
45	miR-363	CTAGCCTGCAGG GATTTCTGAGTTCGAGG ATCCGGCCGGCCCATCCATGCCATTTCATCCA	miR-363 Amplification Primers
46	miR-367	CTAGCCTGCAGGGTTATTGACTGGGCTTCCACC ATCCGGCCGGCCGAGGTACCGTGGCAGTAGGGT	miR-367 Amplification Primers
47	miR-let7a-1	CTAGCCTGCAGGCAAGAAAGGTTAACATTAAATC ATCCGGCCGGCCATTGAATTAGAGGCTTATAGCC	miR-let7a-1 Amplification Primers
48	miR-let7a-2	CTAGCCTGCAGGCTTGCATGAATACAAAATTTCA ATCCGGCCGGCCTGTGTTGCTCATTATGCAGCAT	miR-let7a-2 Amplification Primers
49	miR-let7c-1	CTAGCCTGCAGGGCTGCTAATGGAAGTGTGGTC ATCCGGCCGGCCTAATGCAACTTAATTCCTAC	miR-let7c-1 Amplification Primers
50	miR-let7c-2	CTAGCCTGCAGGCCATTGTGGCCATTCTGTG ATCCGGCCGGCCGGCAGGAAGGCCCTTCAGTG	miR-let7c-2 Amplification Primers
51	miR-let7e	CTAGCCTGCAGGGGTCTGGATCTCTGGCCTTGA ATCCGGCCGGCCCTAGAGAAACAGAAGCTTCT	miR-let7e Amplification Primers
52	miR-let7g	CTAGCCTGCAGGTACTAGAATTCTGAGGGTATA ATCCGGCCGGCCAATGAGAGGGCATTGCAATA	miR-let7g Amplification Primers
53	Oct4-cMyc	AAGATCAAGTATTGAGTATTCC	Junction Primers

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		GCTGGTGATAGAAATTCTCTTCCT	
54	cMyc-Klf4	CTGTCCATTCAAGCAGACGAGC	Junction Primers
		TTACTGCTGCAAGCTGCACCAG	
55	Klf4-Sox2	CCGCAAACACACAGGGCACC GG	Junction Primers
		CTTGCTGATCTCCGAGTTGTG	
56	Fgf4	CGTGGTGAGCATCTTCGGAGTGG	RT-PCR for Fgf4
		CCTTCTTGGTCCGCCCGTTCTTA	
57	Klf4	CACCATGGACCCGGGCGTGGCTGCCAGAAA	RT-PCR for Klf4
		TTAGGCTGTTCTTTTCCGGGGCCACGA	
58	Fbx15	GTTGGAATCTGCTTCTACAG	RT-PCR for Fbx15
		CTTCACCAAGATTTCCGATG	
59	Sox2	GGTTACCTCTTCTCCCACTCCAG	RT-PCR for Sox2
		TCACATGTGCGACAGGGGCAG	
60	Oct3/4	CTGAGGGCCAGGCAGGAGCAGAG	RT-PCR for Oct3/4
		CTGTAGGGAGGGCTTCGGGCACTT	
61	Zfp296	CCATTAGGGGCCATCATCGCTTTC	RT-PCR for Zfp296
		CACTGCTCACTGGAGGGGGCTTGC	
62	Gdf3	GTTCCAACCTGTGCCTCGCGTCTT	RT-PCR for Gdf3
		AGCGAGGCATGGAGAGAGCGGAGCAG	
63	Cripto	ATGGACGCAACTGTGAACATGATGTTGCA	RT-PCR for Cripto
		CTTTGAGGTCTGCTCCATCACGTGACCAT	
64	Dax1	TGCTGCGGTCCAGGCCATCAAGAG	RT-PCR for Dax1
		GGGCACTGTTTCACTTACGCGGATC	
65	Esg1	GAAGTCTGGTTCCTTGGCAGGATG	RT-PCR for Esg1
		ACTCGATACTGGCCTAGC	
66	Rex1	ACGAGTGGCAGTTTCTTCTTGGA	RT-PCR for Rex1
		TATGACTCACTTCCAGGGGGCACT	
67	Nanog	AGGGTCTGCTACTGAGATGCTCTG	RT-PCR for Nanog
		CAACCACTGGTTTTTCTGCCACCG	
68	B-actin	GTGGGCCGCAACAAGGCACCAA	RT-PCR for B-actin
		CTCTTTGATGTCACGCACGA	
69	Oct3/4	GGTTTTTATAGAGGATGGTTGAGTG	Methylation analysis of Oct3/4
		TCCAACCCTACTAACCCTATCACC	
70	Nanog	GATTTTGTAGGTGGGATTAATTGTGAATTT	Methylation analysis of Nanog
		ACCAAAAAAACCCACACTCATATCAATATA	
71	GAPDH	TGTGTCCGTCGTGGATCTGA	Real time PCR primers and Probe
		CACCACCTTCTTGATGTCATCATAC	
		TGCCGCTGGAGAAACCTGCC	
72	Oct3/4	ACCTTCAGGAGATATGCAAATCG	Real time PCR primers and Probe
		TTCTCAATGCTAGTTCGCTTTCTCT	
		AGACCCTGGTGCAGGCCCGG	
73	Nanog	GCAGAAAAACCACTGGTTGAAGA	Real time PCR primers and Probe
		GCAATGGATGCTGGGATACTC	
		AGCAATGGTCTGATTCAGAAGGGCTCAG	
74	Wwp2	CAGCAGTGGCTTAGCCAATG	Real time PCR primers and Probe
		ACCGACGATTCTTCAGGTTCA	
		CACAGTGAATGAGGAACCTACTCCAGCCA	
75	Fbxw7	CCATGCAAAGTCTCAGATTATACCA	Real time PCR primers and Probe
		TCAGGTCCCCAAAAGTTGTTG	
		ACCACTGGCCTTGTACCATGTTTCAGCA	
76	Wwp2	TTTAACTCGAGCTGAGGCTGCTGTCTCACAC	Wwp2 Amplification Primers
		AAGCCGCGCGCGGCTGCTGATTCTTTATTGC	
77	Wwp2	TCGGTATTGCCAGTTTCTGTAGACTAAAGAATCAGCAGC	Wwp2 Mutagenesis Primers

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		GCTGCTGATTCTTTAGTCTACAAGAACTGGCAATACCGA	
78	Fbxw7	TTTAACTCGAGAAAGCAGACATGATGAATTTTG	Fbxw7 Amplification Primers
		AAGCCGCGGCCGCTAACATGAAAAACACATTTTAT	
79	Fbxw7	GACGACTCTCTAAATCCAACCAGGTGGAATTATTCTTTG	Fbxw7 Mutagenesis Primers 1
		CAAAGAATAATTCCACCTGGTTGGATTAGAGAGTCGTC	
80	Fbxw7	CTATAACTTAAGTGAATAAAATGTGTTTTTCATGTTAGCGG	Fbxw7 Mutagenesis Primers 2
		CGCTAACATGAAAAACACATTTTATTCCACTTAAGTTATAAG	