Table S1 Primers used in the experiments

No.	Name	Length (nt)	Sequence
cDNA purity control & standardization			
1.	MAF5_F	20	TTTTTTGCCCCCTTCGAATC
2.	MAF5_R	22	ATCTTCCGCCACCACATTGTAC
3.	ABH1_F	34	CGGAATTCGATGGAATCTAAGACTTTGGATGGGC
4.	ABH1_R	37	GGGGATCCCTTCTTCCGAGAGGTTTTTCTTCAGTTCG
5.	UBQ10_F	27	GGCCTTGTATAATCCCTGATGAATAAG
6.	UBQ10_R	28	AAAGAGATAACAGGAACGGAAACATAGT
7.	ACT2_F	23	GGTAACATTGTGCTCAGTGGTGG
8.	ACT2_R	22	CTCGGCCTTGGAGATCCACATC
pri-miRNA 3'RACE & 5'RACE experiments			
9.	QT	52	CCAGTGAGCAGAGTGACGAGGACTCGAGCTCAAGC$(T)_{17}$
10.	Q0	18	CCAGTGAGCAGAGTGACG
11.	QI	18	GAGGACTCGAGCTCAAGC
12.	3R156a_1	22	GCCTGTCTTCGTTCTCTATGTC
13.	3R156a_2	22	AATCTCTCTCTATCACTTACAC
14.	3R156c_1	21	ATTTGCTTCTCTTGCGTGCTC
15.	3R156c_2	20	TGCGTGCTCACTGCTCTATC
16.	3R157c_1	20	TCAAAGAAAGAGAGGGAGAG
17.	3R157c_2	21	ACTTCTGTCACCACCTTTATC
18.	3R158a_1	20	ACCGTGATGATGTCGTGGAG
19.	3R158a_2	21	CGTGGAGATTTTGTTGAGATG
20.	3R159a_1	21	GTTGAGCAGGGTAAAGAAAAG
21.	3R159a_2	20	CATATCTCAGGAGCTTTAAC
22.	3R160a_1	21	CATATGCTGAGCCCATCGAGT
23.	3R160a_2	21	GACCTCCGTGGATGGCGTATG
24.	3R160b_1	20	GTATGCCACAAGAAAACATC
25.	3R160b_2	23	TAGTGGCGTACAGAGTAGTCAAG
26.	3R161_1	21	GAAGCGGAAACAGTAATCAAC
27.	3R161_2	20	ACCCTGGTTTAGTCACTTTC
28.	3R164c_1	21	CGTGCGAACACAAATGAAATC
29.	3R164c_2	22	CAATCGTCAATGGATAGAACAG
30.	3R166a_1	20	GCTCGCTCTATTCATGTTGG
31.	3R166a_2	22	GAACCTTCAGATTTCAGATTTG
32.	3R166b_1	20	TTGAGGGGACTGTTGTCTGG
33.	3R166b_2	23	GATGATTGATTAGGGTTTTAGTG
34.	3R167a_1	22	GCTTTCTTTATCCTTTGTTGTG
35.	3R167a_2	20	ATCATGTTCGCAGTTTCACC
36.	3R169f_1	22	CCATTGATTTGGTCTCATTCAC
37.	3R169f_2	21	GCTCTGCTTCGTTCTCTATTC
38.	3R171b_1	20	GCGAGATATTAGTGCGGTTC
39.	3R171b_2	20	GTTCAATCAAATAGTCGTCC
40.	3R171c_1	20	CACTATCGGACATCAAATAC
41.	3R171c_2	20	TCAATCAGAAAACCGTACTC
42.	3R172a_1	20	TCTGTTGATGGACGGTGGTG
43.	3R172a_2	21	CTCTCCACAAAGTTCTCTATG
44.	3R172b_1	21	TCATCTGTCGTTGTTTGTAGG
45.	3R172b_2	21	GACGGCTACAAATACCTAAAG
46.	3R172e_1	22	CAGCACCATTAAGATTCACAAG
47.	3R172e_2	20	TCCCTTTGCTTTCGCCTCTC
48.	3R319b_1	20	CGACTCATTCATCCAAATAC
49.	3R319b_2	22	TATGGTAAATGAATGAATGATG
50.	3R393a_1	21	CTGGCTTTAAGATTCCGCAAC
51.	3R393a_2	21	GATTCCGCAACCTTGTATCTC
52.	3R393a_3	20	ACATTGCTCTCAACTTTTAG
53.	3R393a_4	25	TGAGAGAGAGATAGAGAGTTGAACA
54.	5R169f_0	21	CAACAGATTGTGAATGAGACC

55.	5R169f_1	21	GTGAATGAGACCAAATCAATG
56.	5R169f_2	21	GACCCTCTGATACAACCAAAG
57.	5R158a_1	29	TCTCAACAAAATCTCCACGACATCATCAC
58.	5R158a_2	31	GACAAAGAAGCACAGAGATGACGTGTTACTC
59.	5R164c_1	30	TTTACATTCTGTTCTATCCATTGACGATTG
60.	5R164c_2	31	AACACGTGCGAAAATATGATCAACAAGTACC
61.	5R393a_1	31	GAGATACAAGGTTGCGGAATCTTAAAGCCAG
62.	5R393a_2	29	CCCTTTGGATCCTTCCTCTAGTTGCTATG

pri-miRNAs full-length RT-PCR amplification

63.	mi156aT_F	26	ATTGTTCACTCTCAAATCTCAAGTTC
64.	mi156aT_R	26	AAGAGTAAAAGGGTAACATCACAAAC
65.	mi156cT_F	25	ATATTTCTCTGCCTTTAGTTCTTTC
66.	mi156cT_R	24	AACTATTGGTACTACGTCAATTCC
67.	mi157cT_F	21	TAGGTTTGAGAGTGATGTTGG
68.	mi157cT_R	20	CTCAGTGGATTGTCGTTGAA
69.	mi158aT_F	28	GCTTTACTTTAGATTCTTCTAGGGTTTC
70.	mi158aT_R	28	TGTTAAGTTTATCTCTTTGAAAGGTATC
71.	mi159aT_F	24	TCTCTTTCCTTCTCTCTAAGTATG
72.	mi159aT_R	26	GATTTAGTTGTTAGATTAGATATGAG
73.	mi160aT_F	21	CTCTCTCCATCACCTTCAATC
74.	mi160aT_R	34	ACATAAATAAAATATGTTTATATACAAAAGAATC
75.	mi160bT_F	23	CTCTGGTTCATGTTTTCCCCTCA
76.	mi160bT_R	26	TATGCTGTGCTATGGAGACAAAGTA
77.	mi161T_F	26	CCTTCTCTTCTATGAAAATTCCATTG
78.	mi161T_R	25	CAAAGGAACTACTGCATGATTACAC
79.	mi164cT_F	24	TCTTCCTCTCTACACACCCAAATC
80.	mi164cT_R	31	AACTTCATGTCTCATATATACACCCTAATAC
81.	mi166aT_F	24	TCACCACTCACTTATCTTCTTCTC
82.	mi166aT_R	25	CTAAATATCTGGAATCTGGTTCATC
83.	mi166bT_F	23	TTCTCTTCATCATCACCACATTC
84.	mi166bT_R	27	CACTATGTAAATAAAGATCAGCTATAC
85.	mi167aT_F	24	TGATCTGCTACGGTGAAGTCTATG
86.	mi167aT_R	26	AGAAAGAGAAGTAAGCTCACAAAATC
87.	mi169fT_F	24	CACACAACACAAGAGTCACGAAAG
88.	mi169fT_R	27	TTCTTACATTTGCTTGATATAGTTACC
89.	mi171bT_F	22	CTAATTCGTACTTTGGTTTCTG
90.	mi171bT_R	21	AGACTTCCTCGTTTTCGTTAG
91.	mi171cT_F	20	TAGCTCATGTTGTCTCTTTC
92.	mi171cT_R	23	AATTAAAAGTTCAGAATATACAC
93.	mi172aT_F	22	CGTTTTACTATTTTAGCAGTAT
94.	mi172aT_R	20	AAAAGAGAGAACAATAAGCG
95.	mi172bT_F	20	CACCTCTCACTCCCTTTCTC
96.	mi172bT_R	21	CACACCGTAATGTTTGATTTG
97.	mi172eT_F	22	GTGGGCTTGTGTTATATAGATG
98.	mi172eT_R	23	ATAGAAACACCATAAACTTACAG
99.	mi319bT_F	21	TCTCTTCTTCTCTCATCTCTC
100.	mi319bT_R	24	CGAAAGCTAGATATTTAATCTTAC
101.	mi393aT_F	27	AACCACATTGCTCTCAACTTTTAGAGT
102.	mi393aT_R	25	GACGTCTTTCATAAAATATATAAAT

pri-miRNAs 3'end heterogeneity analysis

103.	mi158a_6R1	26	AAAAAAAAAAAAAAAAAAAAAAAAGAA
104.	mi158a_11R1	26	AAAAAAAAAAAAAAAAAAAGAAATCAG
105	mi158a_6R2	26	AAAAAAAAAAAAAAAAAAAAATAGAAC
106.	mi158a_11R2	26	AAAAAAAAAAAAAAAATAGAACAATAA
107.	mi158a_12R2	26	AAAAAAAAAAAAAATAGAACAATAAT
108.	mi158a_6R3	26	AAAAAAAAAAAAAAAAAAAATGTTAA
109.	mi158a_11R3	26	AAAAAAAAAAAAAAATGTTAAGTTTA
110.	mi158a_12R3	26	AAAAAAAAAAAAAATGTTAAGTTTAT

111.	mi159a_6R1	26	AAAAAAAAAAAAAAAAAAAAGGTGAA
112.	mi159a_11R1	26	AAAAAAAAAAAAAAAGGTGAAAGAAG
113.	mi159a_6R2	26	AAAAAAAAAAAAAAAAAAAAATTAAAG
114.	mi159a_11R2	26	AAAAAAAAAAAAAAATTAAAGATGAA
115.	mi159a_6R3	26	AAAAAAAAAAAAAAAAAAAAATTGCAT
116.	mi159a_11R3	26	AAAAAAAAAAAAAAATTGCATAAACC
117.	mi159a_6R4	26	AAAAAAAAAAAAAAAAAAAAATTGTAG
118.	mi159a_11R4	26	AAAAAAAAAAAAAAATTGTAGAACAG

mRNA splicing analyses

119.	H1.1_F	25	TTAAGTTCAGAAGACGATGTCAGAG
120.	H1.1_R	25	CAAAGGAACTGTGAATAACAAGAAC
121.	INT4_F	25	TTGGGTTATCATCGTTGGAAGAATC
122.	INT4_R	25	GCGACAACATAAGCACAAACTGAAC
123.	1g13900_F	25	TCCTGGTTGGATTTTTGATACCGTC
124.	1g13900_R	25	TCTTGTGTGCGGATAAATGTCGTGT
125.	3g61770_F	21	ATCTTTCTTCGCCAAGTCTCC
126.	3g61770_R	26	GAATAAAAGACATCTTCTTAGACTGA
127.	5g65660_F	23	CCCTGTTCTCACCAAACTCTCAA
128.	5g65660_R	26	CCTTCTTTCGTTCGTTATCTTATAGC
129.	4g23260_F	22	GGGAAGTGTATCCCTTCTCTGG
130.	4g23260_R	20	GGAAAAGTTGCTTGTCGCCG

pri-miRNA splicing analyses

131.	mi166bsp_F	24	GACTCTTATTCTAATACAATCTCA
132.	mi166bsp_R	22	ATAGATTTAGCCTCTCTGAATG

1-4. Primers used for the analysis of RNA contamination with genomic DNA. **5-6. and 7-8.** Primers used for normalization in Real Time PCR and qRT-PCR analysis, respectively. **9.** Universal primer used for cDNA synthesis in all RACE experiments, unless otherwise stated; **10-11.** Universal primers used for PCR and nested PCR, respectively, in all RACE experiments (unless otherwise stated); **12-53.** miRNA-specific primers used for PCR (3RXXXx_1) and nested PCR (3RXXXx_2) in 3'RACE experiments. Note that in the case of miR393a two sets of primers were used: 50-51 and 52-53 **54.** miR169f-specific primer used for cDNA synthesis in 5'RACE. **55-62.** miRNA-specific primers used for PCR (5RXXXx_1**)** and nested PCR (5RXXXx_2**)** in 5'RACE experiments. **63-102**. miRNA-specific primers used for pri-miRNA full-length cDNA amplification. **103-118.** miRNA-specific primers use for the amplification of pri-miRNA forms differing at their 3'ends.**119-130.** Gene-specific primers used for mRNA splicing analyses. **131-132.** miRNA-specific primers used for pri-miRNA splicing analyses.