Supplemental Table 1. Conserved miRNAs in rubber tree.

miRNA_ID	Mature miRNA	Length	Read frequency (in TPM*)				Conservation in		
			217_m&	217_y&	260_m&	260_y&	Dicot	Monocot	Other#
miR156/miR157	UUGACAGAAGAUAGAGAGCAC	21	218	214.4	342.9	388.8	+		
miR158	UCCCAAAUGUAGACAAAGCA	20	17.4	27.2	1	0.7	+		
miR159	UUUGGAUUGAAGGGAGCUCUA	21	5322	7201.1	6456.5	24147.5	+		
miR160	UGCCUGGCUCCCUGUAUGCCA	21	15.8	5.1	10.3	17.7	+	+	+
	UGCCUGGCUCCCUGAAUGCCA	21	45.7	18.4	28.9	34	+	+	
	GCAUGAGGGGAGUCACGCAGG	21	0.3	37	0.5	206.1	+		
miR161	UUGAAAGUGACUACAUCGGGG	21	6.8	41.2	0.5	0	+		
	UGAAAGUGACUACAUCGGGGU	21	3.7	10.5	0.4	0	+		
miR162	UCGAUAAACCUCUGCAUCCAG	21	135.1	134.5	211.5	562.4	+	+	
miR163	UUGAAGAGGACUUGGAACUUCGAU	24	0.7	3.2	0	0	+		
	UUGAAGAGGACUUGGAACUUCGA	23	0	0.9	0	0	+		
	UUGAAGAGGACUUGGAACUUCG	22	0	1.1	0	0	+		
miR164	UGGAGAAGCAGGGCACGUGCA	21	45.9	14.3	22	38.4	+	+	
miR165	UCGGACCAGGCUUCAUCCCCC	21	2.5	44	2	17.5	+		
miR166	UCGGACCAGGCUUCAUUCCCG	21	14.5	283.9	8.5	1322.9	+		
	UCGGACCAGGCUUCAUUCCCC	21	175.1	3622.1	233.2	1587.5	+	+	+
miR167	UGAAGCUGCCAGCAUGAUCUGA	22	4512	2313.7	4428.2	1967.7	+	+	
	UGAAGCUGCCAGCAUGAUCUG	21	2021.1	591.4	1916.6	579.6	+	+	
miR168	UCGCUUGGUGCAGGUCGGGAA	21	111.4	41.8	156.7	69.9	+		
miR169	UAGCCAAGGAUGACUUGCCCGU	22	1.2	1.6	2.9	1.4	+		
	UAGCCAAGGAUGACUUGCCCG	21	3.7	8	7	3	+		
	UAGAGCCAAGAAUGACUUGCCGG	23	12.2	4.4	16.3	2.3	+		
	UAGAGCCAAGAAUGACUUGCCGA	23	1.7	0.2	2.9	0.7	+		
	CAGCCAAGGAUGACUUGCCGG	21	0.1	0.5	0	13.8	+	+	
	AGAGCCAAGAAUGACUUGCCGGC	23	18.7	1	8	0.9	+		
miR170	UGAUUGAGCCGUGUCAAUAUC	21	0	0	0.3	2.4	+		
miR171	UUGAGCCGUGCCAAUAUCACG	21	1.3	1.4	0.5	18.6	+	+	
	UUGAGCCGCGUCAAUAUCUCU	21	18.2	8	16.4	1.6	+		
	UUGAGCCGCGUCAAUAUCUCC	21	47.9	17	49.8	5.8	+		
	UGAUUGAGCCGUGCCAAUAUC	21	5.4	0.8	4.4	39.6	+	+	
	CGAGCCGAAUCAAUAUCACUC	21	40.3	24.2	9.7	1.9	+		
miR172	AGAAUCUUGAUGAUGCUGCAU	21	125.5	10.8	110	58.7	+	+	
miR319	UUGGACUGAAGGGAGCUCCC	20	23.5	155.9	62.3	2913.2	+	+	+

miR390	AAGCUCAGGAGGGAUAGCGCC	21	3.5	2.3	3.9	180.9	+	+	+
miR393	UUCCAAAGGGAUCGCAUUGAUU	22	0.4	3.9	0.8	2.2	+	+	
	UUCCAAAGGGAUCGCAUUGAUC	22	1.2	1	4.6	1.3	+	+	
	UUCCAAAGGGAUCGCAUUGAU	21	1.2	7.9	1.3	1.8	+	+	
	UCCAAAGGGAUCGCAUUGAUUU	22	1.6	6.3	2.4	10.7	+	+	
	UCCAAAGGGAUCGCAUUGAUU	21	1.2	11.5	1.4	10.1	+	+	
	UCCAAAGGGAUCGCAUUGAUCU	22	0.7	1.8	1	1.6	+	+	
	UCCAAAGGGAUCGCAUUGAUCC	22	1.7	1.1	2	6.8	+	+	
	UCCAAAGGGAUCGCAUUGAUC	21	0.9	0.5	1.3	1.6	+	+	
	UCCAAAGGGAUCGCAUUGAU	20	0.1	1.9	0.3	0.9	+	+	
miR394	UUGGCAUUCUGUCCACCUCC	20	64.8	21.6	47.2	1059.5	+	+	
miR395	CUGAAGUGUUUGGGGGAACUC	21	158.1	1128.3	43.9	29.6	+		
miR396	UUCCACAGCUUUCUUGAACUU	21	2298.6	1175	2430.2	7521	+	+	+
	UUCCACAGCUUUCUUGAACUG	21	8041.1	3507.4	14830.1	9003.2	+	+	
miR397	UCAUUGAGUGCAGCGUUGAUU	21	1.5	0	0.6	0	+	+	
	UCAUUGAGUGCAGCGUUGAUG	21	9.5	2.6	2.1	0.9	+	+	
	UCAUUGAGUGCAGCGUUGAU	20	4.5	0.3	1.1	0.4	+	+	
miR398	UGUGUUCUCAGGUCGCCCCUU	21	1.1	0.3	0.5	0	+	+	
	UGUGUUCUCAGGUCGCCCCUG	21	1.1	0.5	0.4	0.4	+	+	
	UGUGUUCUCAGGUCACCCCUU	21	2.8	1	2.5	0.6	+	+	
	UGUGUUCUCAGGUCACCCCUG	21	0.8	0.7	0.1	0	+		
miR399	UGCCAAAGGAGAUUUGCCCGG	21	0	1.8	0.1	0	+		
	UGCCAAAGGAGAGUUGCCUUG	21	0	0	0	11.5	+	+	
	UGCCAAAGGAGAGUUGCCCUG	21	0	1.6	0	0	+	+	
	UGCCAAAGGAGAAUUGCCCU	20	0.3	0.4	1	0.6	+	+	
	CGCCAAAGGAGAGUUGCCCUU	21	0.1	2.3	0.4	1.7	+		
	CGCCAAAGGAGAGUUGCCCUG	21	0.3	3.1	1.3	1.2	+		
	ACGCCAAAGGAGAGUUGCCCU	21	0.3	3.4	0.4	3.5	+		
miR403	UUAGAUUCACGCACAAACUCG	21	147.3	58.5	212.6	122.4	+		
miR408	UGCACUGCCUCUUCCCUGGC	20	242.2	110.1	71.5	25.9	+	+	+
	AUGCACUGCCUCUUCCCUGGC	21	103.1	72	39	16	+		+
miR447	UAUGGAAGAAAUUGUAGUAUU	21	0.4	0.9	0	0	+		
miR472	UUUUUCCUACUCCGCCCAUACC	22	0.2	2.3	0	0.1	+		
	UUUUGCCUACUCCACCCAUUCC	22	0.1	0	0.5	0.4	+		
	UUUUCCCUACUCCACCCAUGCC	22	0.6	0	0.7	0.3	+		

	UUUUCCCGAGACCUCCCAUCCC	22	0	0.2	0.6	0	+		
	UUUUCCCACGACCUCCCAUACC	22	0.2	0	0.2	0.1	+		
	UCUUCCCUACUCCACCCAUACC	22	0.2	0	0.3	0.1	+		+
miR473	ACUCUCCCUCAAGGGCUUCCA	21	29.3	11	6.3	1.4	+		
miR477	ACUCUCCCUCAAGGGCUUCUC	21	10.7	4.1	2.3	3.2	+		
miR479	CGUGAUAUUGGUACGGCUCAUC	22	170.4	168.5	20.3	54.7	+		
	CGUGAUAUUGGUACGGCUCAU	21	33.3	32.7	8.6	18.2	+		
miR482	UCUUGCCUACUCCACCCAUUCC	22	183.8	68.3	186.6	167.9	+		
	UCUUGCCUACGCCACCCAUUCC	22	75.9	36	77.8	66.8	+		
	UCUUCCCUACUCCACCCAUGCC	22	252.5	113.5	199.3	109.1	+		
miR530	UGCAUUUGCACCUGCACCUUC	21	0.6	0	2	0	+		
	UGCAUUUGCACCUGCACCUUA	21	5.3	1.5	9.2	1.8	+		
miR535	UGACGAUGAGAGAGAGCACAC	21	5	1.4	11.5	0.6	+		
	UGACGACGAGAGAGAGCACGC	21	14.8	10.7	19.4	4.5	+	+	+
	UGACAACGAGAGAGAGCACGU	21	44.9	7	78.8	13.3	+	+	+
miR775	UUCGAUGUCUAGCAGUGCCA	20	0.4	0.2	0	0	+		
miR824	UAGACCAUUUGUGAGAAGGGA	21	0.9	0	0	0	+		
miR827	UUAGAUGACCAUCAACAAACU	21	1.4	0.9	1	0.1	+		
	UUAGAUGACCAUCAACAAACA	21	0.4	0.2	0.3	0.4	+		
miR843	UUUAGGUCGAGCUUCAUUGGA	21	0.6	0.9	0.1	0	+		
	UUAGGUCGAGCUUCAUUGGAA	21	0.5	1.5	0	0	+		
miR858	UUCGUUGUCUGUUCGACCUUG	21	337	360.5	373.5	3934.4	+		
miR1507	UCUCAUUCCAUACAUCGUCUGA	22	11.8	0	0.7	0	+		
miR1508	UAGAAAGGGAAAUAGCAGUUG	21	10	0	0.7	0	+		
miR1509	UUAAUCAAGGAAAUCACGGUUG	22	3.1	0	0.3	0	+		
	UUAAUCAAGGAAAUCACGGUCG	22	9.4	0	1	0	+		
miR1510	UGUUGUUUUACCUAUUCCACCU	22	2.2	0	0	0	+		
	UGUUGUUUUACCUAUUCCACCC	22	0.8	0	0	0	+		
	UGUUGUUUUACCUAUUCCACC	21	0.6	0	0	0	+		
miR1511	AACCAGGCUCUGAUACCAUGG	21	88.5	0	3.1	0	+		
miR1512	UAACUGGAAAUUCUUAAAGCAU	22	0.6	0	0	0	+		
miR1515	UCAUUUUGCGUGCAAUGAUCUG	22	0.7	0	0	0	+		
miR2109	UGCGAGUGUCUUCGCCUCUGAU	22	9.3	0	0.1	0	+		
	UGCGAGUGUCUUCGCCUCUGAA	22	6.4	0	0.3	0	+		
	UGCGAGUGUCUUCGCCUCUGA	21	5.1	0	0	0	+		

miR2111	UAAUCUGCAUCCUGAGGUUUU	21	0.2	0	0.3	0	+		
	UAAUCUGCAUCCUGAGGUUU	20	0.6	0	0.2	0	+		
	UAAUCUGCAUCCUGAGGUGUA	21	2.3	0	0	0	+		
miR2118	UUGCCGAUUCCACCCAUUCCUA	22	12.2	0	0.4	0	+		
miR2911	GGCCGGGGGACGGACUGGGAA	21	57	103.1	47	7.8	+		
	GGCCGGGGGACGGACUGGGA	20	248.8	433.9	118.6	16.7	+		
	CGGCCGGGGGACGGACUGGGA	21	140.2	59.6	79.8	9.5	+		
miR2916	UGGGGGCUCGAAGACGAUCAGAU	23	5.3	5.7	2.7	0.4	+		
miR2950	UUCCAUCUCUUGCACACUGGA	21	2.9	0.9	0.7	7.4	+		
miR4413	UAAGAGAAUUGUAAGUCACUG	21	0.9	0	0.1	0	+		
miR4414	AGCUGCUGAGUCGUUGGUUC	20	0.3	0	0.1	1.2	+		
miR5139	CGAAACCUGGCUCUGAUACCA	21	0.3	0.2	0.1	1.1	+		

* TPM: transcripts per million

[&] m: mature leaves; y: young leaves; 217 and 260 represent two rubber tree clones.

"Other" includes all non seed plants for which miRNAs are known.