

Supplementary Material

Prabu, G.R. and Mandal, A.K.A 2010. Computational identification of miRNAs and their target genes from expressed sequence tags of tea (*Camellia sinensis*). *Genomics Proteomics Bioinformatics* 8: 113-121.

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Table S1

miR852*	cs-miR852	CV067043	0	miRNA	21	UCCUUGAUUCCGCCAAUAGAU	1			
				Target	222	AGGAACUAAGGCGGUUAUCUA	242		Histone H2B related cluster	ORF
miR1134*	cs-miR1134	CV014779	0	miRNA	24	UCGAAUAAGAAGAACAACAAC	1			
				Target	34	AGCUUAUUCUUCUUCUUGUUGUUG	57		10 kDa chaperonin related cluster	5'
	cs-miR1134	AF399920	3	miRNA	24	GAAUAAGAAGAACAACAAC	3			
				Target	89	UUUAUUUUUGUUGUUGUUGUUG	110		β-1,3-glucanase related cluster	ORF
	cs-miR1134	TA456_4442	3	miRNA	24	AUAAGAAGAACAACAAC	5			
				Target	62	CAUUCUUCUUCU-GUUGUUG	80		Peptidase S10, serine carboxypeptidase	5'
miR414**	cs-miR414	CV013747	0	miRNA	21	CUACUACUACUACUACUACU	2			
				Target	346	GAUGAUGAUGAUGAUGAUGA	365		Zinc finger protein-B box	3'
	cs-miR414	CV014663	0	miRNA	21	CUACUACUACUACUACUACU	2			
				Target	206	GAUGAUGAUGAUGAUGAUGA	225		Putative CONSTANS related cluster	ORF
	cs-miR414	CV013892	1	miRNA	21	ACUACUACUACUACUGCUACU	1			
				Target	156	UGAUGAGGAUGAUGACGAUGA	176		Nascent polypeptide-associated complex alpha subunit-like protein related cluster	ORF
	cs-miR414	AF537127	2	miRNA	21	CUACUACUACUACUACUACU	2			
				Target	424	UAUGAAGAUGAUGAUGAUGA	443		Fructose biphosphate aldolase	3'
	cs-miR414	CV014190	2	miRNA	21	ACUACUACUACUACUACUACU	1			
				Target	399	UGGUGAUGGUGGUGGUGAUGA	419		OSJNBa0079M09.8 protein related cluster	3'

	cs-miR414	BQ825884	1	miRNA	21	CUACUACUACUACUGCUACU	2			
				Target	55	GAUGACGAUGAUGACGAUGA	74		No annotation available	5'
	cs-miR414	CV066958	2.5	miRNA	21	CUACUACUACUACUACUACU	2			
				Target	250	GAUGACAGUGAUGAUGAUGA	269		No annotation available	ORF
miR1864*	cs-miR1864	CV014457	0	miRNA	24	UACCACUGGUACUGCAAUGACAGG	1			
				Target	50	AUGGUGACCAUGACGUUACUGUCC	73		Glucose acyltransferase related cluster	5'
miR1886*	cs-miR1886	CV067057 [#]	0	miRNA	23	CUUACAAGUAUAGUGAAGAGAGU	1			
				Target	161	GAAUGUUCAUAUCACUUCUCUCA	183		OSJNBb0092G21.15 related cluster – Cyclin-P3-1	ORF
	cs-miR1886	CV699717	3	miRNA	23	UUACAAGUAUAGUGAAGAGAGU	2			
				Target	29	AAUGUUU-UAUCACUUUUCUCA	49		Hypothetical protein (T32M21_60 related cluster)	5'

*Unique miRNA family registered in only one plant species in miRBase; **Moderately conserved miRNA family registered in two plant species in miRBase; ***Highly conserved miRNA family registered in more than two plant species in miRBase. [#]EST target.

^a Each top strand shows the miRNA sequence (3'-5'), and each bottom strand shows the corresponding complementary site within specific mRNA targets (5'-3'). Watson-Crick pairing (two vertical dots) and G:U wobble pairing (single dot) are indicated.

^b Target site in mRNA. ORF, open reading frame; 5' and 3', untranslated region at 5' and 3' end of the mRNA, respectively.