

Table.S3: Predicted characterized features of secondary structures of precursor miRNAs.

Sugarcane miRNA	Accession ID	miRNA Sequence	Length miRNA	Length precursor	MFE ¹ (Kcal/mol)	AMFE ²	MFEI ³	(G+C)%
sof-miR159e	MI0001759	UUUGGAUUGAAAGGAGCUCUU	21	264	-107.50	-40.71	-1.06	38.09
sof-miR167a	MI0001761	UGAAGCUGCCAGCAUGAUCUG	21	188	-82.70	-43.98	-0.83	52.38
sof-miR167b	MI0001762	UGAAGCUGCCAGCAUGAUCUG	21	188	-86.00	-45.74	-0.87	52.38
sof-miR168b	MI0001764	UCGCUUGGGCAGAUCGGGAC	20	103	-56.10	-54.46	-0.83	65.00
ssp-miR169	MI0018180	UAGCCAAGGAUGACUUGCCGG	21	146	-73.60	-50.41	-0.88	57.14
ssp-miR528	MI0018188	UGGAAGGGGCAUGCAGAGGAG	21	92	-48.50	-52.71	-0.85	61.9047
ssp-miR444b	MI0018186	UGCAGUUGUUGCCUCAAGCUU	21	106	-63.70	-60.09	-1.262	47.6190

¹MFE represents minimum free energy. ²AMFE is an adjusted minimum free energy calculated by MFE/length of precursor*100. MFEI defines as minimum free energy index which was calculated by AMFE/ (G+C) %.