

Supplementary Material:

Table 1: Details of predicted miRNA in *Senecio vulgaris*(Groundsel)

S. No.	New miRNA	Gene ID	Source	% of AU of Pre-miRNA	Predicted miRNA Sequence	Free Energy
1	svu-mir-1	89511128	GSS	60.29	UGACAGAAGAGAGAGAGCACA	-56.8
2	svu-mir-2	89506713	EST	63.25	CUGCAUCCUGAGGU	-51.7
3	svu-mir-3a	89502346	EST	64.31	UGACAGAAGAGAGUGAGCAC	-45.9
4	svu-mir-3b	89502346	GSS	64.31	UGACAGAAGAGAGUGAGCAC	-39.7
5	svu-mir-4a	89511108	GSS	66.2	UCAUCUUCAUCAUCAUC	-19.6
6	svu-mir-5	89510138	EST	66.35	AAUUCUGUCAAUUC	-32.9
7	svu-mir-6	89506601	EST	69.35	UUCUCUGAUUUUGA	-32.9
8	svu-mir-7	89508640	GSS	73.28	GAUUGGUGUCAGAGCCA	-31.4
9	svu-mir-8	89507543	EST	82.33	CAAUUGGUAUCAGAGC	-39.8
10	svu-mir-4b	89511108	EST	103.2	UCAUCUUCAUCAUCAUC	-41.8