

**Supplementary information, Table S2** The level and sequence of plant miRNAs in calf serum.

Name	sequence	ref miRNA	Solexa reads
MIR156a	UGACAGAAGAGAGUGAGCAC	ath-miR156a	927
MIR157a	UUGACAGAAGAUAGAGAGCAC	ath-miR157a	2146
MIR158a	UCCCAAUAGUAGACAAAGCA	ath-miR158a	531
MIR166a	UCGGACCAGGCUUCAUCCCC	ath-miR166a	63
MIR167a	UGAAGCUGCCAGCAUGAUCUA	ath-miR167a	512
MIR168a	UCGCUUGGUGCAGAUCCGGAC	osa-miR168a	345
MIR172a	AGAAUCUUGAUGAUGCUGCAU	ath-miR172a	309
total reads of plant miRNA in calf serum			4834
total reads of mammalian miRNA in calf serum			1000000
plant miRNA/mammalian miRNA			0.0048