

Supplementary information, Table S1 The level and sequence of plant miRNAs in human serum.

Name	sequence	ref miRNA	male	female	pool-1	pool-2	pool-3	pool-4	pool-5	pool-6	pool-7	pool-8	mean
MIR156a	UGACAGAAGAGAGUGAGCAC	ath-miR156a	12363	4866	8406	5831	10748	7627	12990	16097	3511	2299	8473.765
MIR156g	CGACAGAAGAGAGUGAGCAC	ath-miR156g	0	0	12	12	30	11	36	30	87	31	24.939
MIR157a	UUGACAGAAGAUAGAGAGCAC	ath-miR157a	0	0	421	369	279	343	718	6254	27	54	846.496
MIR157d	UGACAGAAGAUAGAGAGCAC	ath-miR157d	0	0	23	28	0	0	24	0	3	7	8.495
MIR159a	UUUGGAUUGAAGGGAGCUCUA	ath-miR159a	0	0	0	2	1	14	0	0	0	0	1.660
MIR160a	UGCCUGGCUCCUGUAUGCCA	ath-miR160a	6	0	16	3	0	8	42	0	0	0	7.666
MIR162a	UCGAUAAACCUCUGCAUCCAG	ath-miR162a	100	180	13	9	0	0	0	3	0	0	30.518
MIR164a	UGGAGAAGCAGGGCACGUGCA	ath-miR164a	339	0	261	69	71	79	157	2126	3	4	310.954
MIR164c	UGGAGAAGCAGGGCACGUGCG	ath-miR164c	0	0	0	16	0	0	0	0	0	0	1.560
MIR165a	UCGGACCAGGCUUCAUCCCC	ath-miR165a	31	0	3	0	1	0	0	0	0	0	3.520
MIR166a	UCGGACCAGGCUUCAUCCCC	ath-miR166a	3397	426	763	621	541	490	1189	89	8	3	752.545
MIR167a	UGAAGCUGCCAGCAUGAUCUA	ath-miR167a	4000	524	223	146	205	131	761	58	3	6	605.641
MIR167d	UGAAGCUGCCAGCAUGAUCUGG	ath-miR167d	0	0	13	7	0	0	24	4	0	0	4.796
MIR168a	UCGCUUGGUGCAGAUCCGGAC	osa-miR168a	27758	4555	5385	2742	4905	2962	8529	409	25	12	5728.093
MIR169a	CAGCCAAGGAGACUUGCCGA	ath-miR169a	176	0	26	0	0	0	0	0	0	0	20.203
MIR169b	CAGCCAAGGAGACUUGCCGG	ath-miR169b	1777	721	118	0	1	0	0	61	0	1	267.908
MIR169h	UAGCCAAGGAGACUUGCCUG	ath-miR169h	0	16	0	0	0	0	0	0	0	0	1.638
MIR171a	UGAUUGAGCCGCGCCAAUAUC	ath-miR171a	0	0	4	0	0	0	0	0	0	0	0.423
MIR171c	UUGAGCCGUGCCAAUAUCACG	ath-miR171c	25	131	0	0	5	8	0	0	2	0	17.111
MIR172a	AGAAUCUUGAUGAUGCUGCAU	ath-miR172a	1513	377	294	149	216	150	567	1297	1	0	456.427
MIR172c	AGAAUCUUGAUGAUGCUGCAG	ath-miR172c	0	0	0	26	0	14	6	0	0	0	4.564
MIR390a	AAGCUCAGGAGGGAUAGCGCC	ath-miR390a	63	16	1	0	6	8	6	0	0	0	10.054
MIR394a	UUGGCAUUCUGUCCACCUCC	ath-miR394a	0	0	0	0	1	0	0	0	0	0	0.127
MIR397a	UCAUUGAGUGCAGCGUUGAUG	ath-miR397a	207	0	2	3	0	0	66	0	0	0	27.875
MIR408	AUGCACUGCCUCUCCUCCUGGC	ath-miR408	0	0	3	0	1	0	0	0	0	0	0.465

total reads of plant miRNA in human serum	51756	11812	15986	10033	17012	11843	25116	26428	3670	2417
total reads of mammalian miRNA in human serum	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000	1000000
plant miRNA/mammalian miRNA	0.0518	0.0118	0.0160	0.0100	0.0170	0.0118	0.0251	0.0264	0.0037	0.0024
