

## Supplementary Materials:

**Supplementary Table S1:** Differentially expressed miRNAs detected by NGS analysis in sera from STEMI patients *versus* patent controls. Fold change and log2 fold change values, as well as *p*-values are shown for each of the 15 miRNAs. NGS: Next Generation Sequencing; RPM: reads per million; STEMI ST-elevation myocardial infarction.

miRNA	mean expression (RPM)	log2 fold change	Fold Change	<i>p</i> Value
hsa-miR-1-3p	285.58	1.78	3.44	0.0023
hsa-miR-150-5p	14736.14	1.19	2.28	0.0031
hsa-miR-483-5p	1259.12	-0.97	0.51	0.0041
hsa-miR-1229-5p	92.82	3.51	11.38	0.0064
hsa-miR-4723-5p	125.51	5.57	47.59	0.0068
hsa-miR-1299	29.87	2.15	4.43	0.0101
hsa-miR-3168	530.26	1.16	2.23	0.0109
hsa-miR-2467-5p	1040.32	-1.03	0.49	0.0146
hsa-miR-122-5p	27183.72	-0.69	0.62	0.0232
hsa-miR-361-3p	1507.20	0.76	1.69	0.0274
hsa-miR-29a-3p	4190.70	0.70	1.63	0.0278
hsa-miR-29b-3p	237.73	1.06	2.09	0.0347
hsa-miR-643	82.72	2.85	7.2	0.0411
hsa-miR-4786-3p	64.04	4.17	17.98	0.0469
hsa-miR-142-5p	5919.69	0.70	1.63	0.0473