Supplemental information

Materials and Methods- extension

EV measurement by flow cytometry

The cellular origin of the EVs were measured by FACS analysis using the A60-Micro flow cytometer (Apogee flow systems). Citrated plasma samples were measured on the Apogee to determine the positive event rate, subsequently each sample was diluted with PBS with 0.32% citrate till approximately 5000 events per second were measured to avoid swarm. EVs were identified using 800µM of the Calcein Violet 450 AM viability dye (eBioscience) combined with cell-derived surface molecules. Cell surface molecules on EVs were labelled with the following antibodies: CD61-APC, D62p-PE, CD34-PE, CD62e-PE, CD235a-PE, CD3-FITC, CD14-, CD45-APC, CD66b-FITC and IgG1-FITC, -APC, -PE. Antibodies were diluted in PBS wit 0,32% citrate and centrifuged at 18,890xg for 5 minutes to remove antibody aggregates. Antibody concentrations and manufacturers are listed in Supplemental Table 2. Antibodies and plasma were incubated for 20 minutes on 37°C and 100 minutes at RT. Total concentration of EVs was determined by the total calcein violet positive EV population (blanc corrected) and the cellular origin of EVs was determined by the double positive labelling of both calcein violet and the cell surface marker (isotype control corrected). Haemolytic samples and samples that were negative after IgG correction were excluded.

miRNA profiling, validation and target prediction

EVs RNA was isolated using the exoRNeasy kit (Qiagen) according manufactures instructions. EVs miRNA profiling was performed in 18 patients, using the miRCURY LNA microRNA qPCR array (Exiqon-Qiagen). Data were tested on statistical significance with the t-test and correction for multiple testing was done with Benjamini-Hochberg correction. Non-detectable samples were excluded from the statistical analysis. Although statistical significant differences disappeared after Benjamini-Hochberg correction, all seven miRNAs that were statistically significant between the normoalbuminuria and microalbuminuria patients before correction were validated in 66 patients, using the miRCURY LNA qPCR system (Exiqon-Qiagen) on the Light Cycler 480 (Roche). Expression levels were analysed with linear regression analysis. Target miRNAs included miR-136-5p, miR-744-5p, miR-625-3p, miR-19b-3p, miR-99a-5p, miR-205-5p, miR-124-3p. All assays were normalized for the inter-plate calibrator and the UNISP6 spike-in was used to correct for reverse transcription and PCR efficiency. miR-23a and miR-451a expression was assessed to check for haemolysis and the expression of the target miRNAs were normalized for miR-16-5p expression. All primer assays were obtained from Exiqon-Qiagen. All primer assays were obtained from Exiqon-Qiagen. mRNA targets of miR-99a-5p were identified using miRWalk 2.0. All 12 miRNA-mRNA predicted target databases available on miRWalk were utilised. The prediction search was limited to the 3' UTR of the targets genes. Genes that were predicted to be targeted by miR-99a-5p in 75% of the miRNA-mRNA databases were considered as potential targets.

Transfection and stimulation of cultured podocytes

A conditionally immortalized human podocyte cell line (AB8/13; kindly provided by Prof. Moin A. Saleem, University of Bristol, UK), was used to examine the effect of miRNA-99a-5p transfection. Cells were cultured in RPMI-1640 medium at 33°C. One week before the experiment, cells were transferred to 37°C to allow differentiation. Cells were transfected for 24h with 50 nM of either hsa-miR-99a-5p miRCURY LNA miRNA Mimic (Qiagen), Negative Control miRCURY LNA miRNA Mimic (Qiagen), using Lipofectamine 2000 (ThermoFisher) according manufacturer's instructions. After transfection, medium was replaced by a high glucose medium (30mM) and cells were stimulated for 24h. Medium only was used as a non-transfected control. Each experimental condition was performed four to six times. Cells were harvested with Trizol (ThermoFisher) to obtain RNA or with radioimmunoprecipitation assay (RIPA) buffer to obtain protein lysates. Recipe RIPA buffer: 50 mM Tris pH 7.5, 0.15 M NaCl, 2 mM ethylenediamine tetraacetic acid (EDTA), 1% deoxycholic acid, 1% NP-40, 4 mM sodium orthovanadate, 10 mM sodium fluoride. RIPA buffer was supplemented with 1% of protease inhibitor cocktail (Sigma-Aldrich).

Western blotting

Cell lysates were loaded on a Bolt 4–12% Bis-Tris Plus gel (ThermoFisher) and blotted onto a polyvinylidene difluoride (PVDF) membrane (ThermoFisher). Non-specific signal was blocked with 4% BSA and mTOR antibody (rabbit monoclonal, clone 7C10, Cellsignalling) and B-actin antibody (mouse monoclonal, clone AC15, Merck) were incubated overnight at 4°C. Subsequently blots were incubated with horseradish peroxidase-conjugated secondary antibody, goat anti-Rabbit immunoglobulins (DAKO) for mTOR and goat anti-mouse IgG1 (Southern Biotech) and detected with enhanced chemiluminescence (ECL) (ThermoFisher). Images were acquired with the LAS4000 (GE Healthcare Life Sciences).

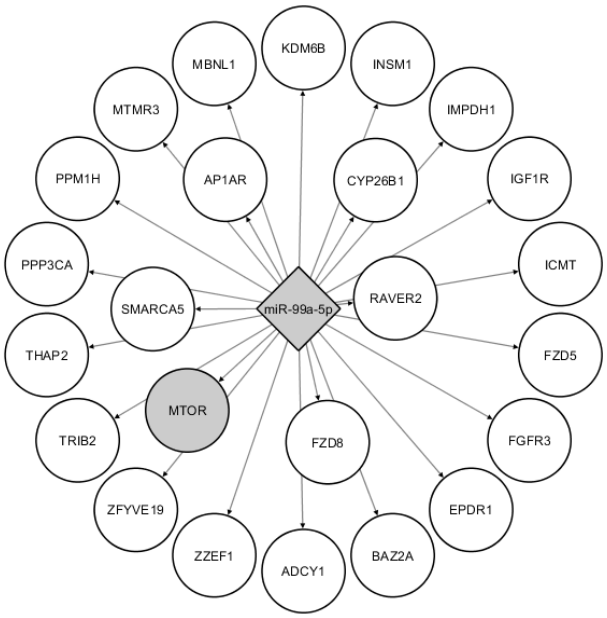
Quantitative Real-time PCR (qPCR)

RNA was isolated from Trizol lysed cells, according manufacturer's instructions. cDNA was synthesized by the use of oligo-dT primers. Gene expression analysis was performed by reverse transcription with SYBR green PCR master mix (Bioline) on a Lightcycler 480 (Roche). Gene expression of vimentin was normalized to HPRT gene expression and analyzed by linear regression analysis. Primer sequences: HPRT-forward: TGACCTTGATTTATTTTGCATACC; HPRT-rev: CGAGCAAGACGTTCAGTCCT; Vimentin- forw: TCCCTCTGGTTGATACCCACT; Vimentin-rev: CGTGATGCTGAGAAGTTTCGT.

Statistical analysis

Data are expressed as mean ± SEM in the figures and mean with 95% Confidence interval for the tables. Data were checked for normal distribution using D'Agostino & Pearson omnibus normality test. Normally distributed data were tested for statistical significance using the One-way ANOVA with Bonferroni correction. Data that was not normally distributed were tested using the Kruskal-Wallis test with Dunn's correction for multiple testing. Fisher's exact test was used to determine differences in medication use among groups. For the high throughput miRNA profiling, the false discovery rate

(FDR) was calculated using the Benjamini-Hochberg procedure. The corrplot package version 0.84 was used to create the correlation matrices in R (www.r-project.org). Spearman correlation coefficients were used as a distance metric. P<0.05 was considered as statistically significant. Outliers were identified with Grupps' outlier test and were excluded from the dataset.



Supplemental Figure 1. Predicted targets of miR-99a-5p. Binding to the 3' UTR was predicted in 12 databases in miRwalk2. All genes that were predicted in more than 8 databases are shown. Genes in the outside ring were predicted in 8 databases, genes in the middle ring in 9 databases, and RAVER2 was predicted in 10 databases.

Supplemental Table 1. Medication use.

		Normoalbuminuria *n*=32	Microalbuminuria *n*=28	Macroalbuminuria *n*=33
Diabetes medication	Metformin, *n*	30	28	32
	dose, *mg/day (SD)*	1557 (827)	1957 (749)	1959 (694)
	Insulin, *n*	15	19	23
	dose, *IU per day (SD)*	78 (46)	134 (84) [a]	95 (58)
	Thiazolidinedione, *n*	0	0	0
	Sulphonylureas, *n*	7	3	6
	DPP4-or GLP1 inhibitors, *n*	1	0	0
Cholesterol medication	Fibrates/Sterol transport inhibitors, *n*	3	5	8
	Statins, *n*	23	19	19
	Niacin, *n*	0	0	0
Blood pressure medication	ACEi/ARB, *n*	15	25 [c]	22
	Beta-/Alpha inhibitors, *n*	13	11	14
	Calcium antagonists, *n*	6	6	12
	Diuretics, *n*	7	12	9

SD, standard deviation; IU, International units; ACEi, angiotensin-converting enzyme inhibitor; ARB, angiotensin II receptor blocker; DPP4, dipeptidyl peptidase-4 ; GLP1, glucagon-like peptide-1. [a] $p<0.05$ vs normoalbuminuria (ANOVA), [b] $p<0.001$ vs normoalbuminuria (Fisher's Exact test).

Supplemental Table 2. Details of antibodies used to detect plasma EVs.

Antibody	Final concentration	Manufacturer	IgG control	IgG control final concentration	IgG control manufacturer
CD61-APC	25 ug/mL	Dako	IgG1-APC	25 ug/mL	BD
CD62p-PE	6.25 ug/mL	Beckman coulter	IgG1-PE	6.25 ug/mL	BD
CD34-PE	25 ug/mL	BD	IgG1-PE	25 ug/mL	BD
CD62e-PE	12.5 ug/mL	BD	IgG1-PE	12.5 ug/mL	BD
CD235a-PE	100 ug/mL	DAKO	IgG1-PE	100 ug/mL	BD
CD3-FITC	50 ug/mL	BD	IgG1-FITC	50 ug/mL	BD
CD14-PE	10 ug/mL	eBioscience	IgG1-PE	10 ug/mL	BD
CD45-APC	4.5 ug/mL	Biolegend	IgG1-APC	4.5 ug/mL	BD
CD66b-FITC	50 ug/mL	Immu	IgG1-FITC	50 ug/mL	BD

Supplemental Table 3. Full results miRNA profiling.

miRNA	Average dcq Micro	Average dcq Normo	SD Micro	SD Normo	ddcq Micro - Normo	Fold change Micro / Normo	t-test p-value	rank	q-value	Wilcoxon test p-value
hsa-miR-136-5p	-2.680	-1.306	0.618	0.662	-1.374	-2.592	0.001	1	0.221	0.001
hsa-miR-99a-5p	-1.520	-2.581	0.653	0.596	1.061	2.086	0.005	2	0.480	0.007
hsa-miR-744-5p	-6.626	-5.578	0.587	0.494	-1.048	-2.068	0.016	3	0.903	0.032
hsa-miR-205-5p	-4.117	-5.685	0.977	1.115	1.567	2.964	0.039	4	0.903	0.082
hsa-miR-625-3p	-6.186	-4.342	0.234	0.740	-1.844	-3.589	0.040	5	0.903	0.100
hsa-miR-124-3p	-3.163	-5.212	1.602	0.581	2.049	4.139	0.043	6	0.903	0.032
hsa-miR-19b-3p	1.630	1.979	0.350	0.329	-0.349	-1.274	0.048	7	0.903	0.068
hsa-miR-17-3p	-2.622	-3.537	0.828	0.594	0.915	1.886	0.051	8	0.903	0.051
hsa-miR-92a-3p	0.640	0.961	0.291	0.429	-0.322	-1.250	0.077	9	0.903	0.083
hsa-miR-133b	-2.668	-4.124	1.085	1.389	1.456	2.744	0.078	10	0.903	0.106
hsa-miR-122-5p	-1.807	-2.681	0.814	1.151	0.874	1.832	0.078	11	0.903	0.083
hsa-miR-100-5p	-3.451	-4.240	0.472	0.344	0.788	1.727	0.078	12	0.903	0.071
hsa-miR-24-3p	1.425	1.681	0.342	0.208	-0.256	-1.194	0.089	13	0.903	0.083

hsa-let-7e-5p	-2.958	-2.079	1.224	0.524	-0.880	-1.840	0.090	14	0.903	0.055
hsa-miR-148a-3p	-3.512	-2.818	0.773	0.471	-0.694	-1.618	0.096	15	0.903	0.132
hsa-miR-99b-5p	-1.871	-2.840	0.934	1.388	0.969	1.957	0.106	16	0.903	0.230
hsa-miR-145-5p	-2.590	-1.812	0.483	1.227	-0.778	-1.715	0.108	17	0.903	0.200
hsa-miR-340-5p	-4.826	-3.940	0.782	1.086	-0.885	-1.847	0.117	18	0.903	0.171
hsa-miR-497-5p	-3.422	-4.254	0.444	1.250	0.832	1.780	0.141	19	0.903	0.234
hsa-miR-324-3p	-3.136	-2.425	1.001	0.732	-0.711	-1.637	0.143	20	0.903	0.142
hsa-miR-17-5p	-5.407	-4.565	0.851	0.642	-0.842	-1.793	0.146	21	0.903	0.073
hsa-miR-20a-5p	0.831	1.077	0.360	0.312	-0.246	-1.186	0.149	22	0.903	0.203
hsa-miR-22-3p	-0.739	-0.585	0.202	0.237	-0.154	-1.113	0.157	23	0.903	0.101
hsa-miR-29a-3p	-0.250	-0.596	0.389	0.603	0.346	1.271	0.161	24	0.903	0.173
hsa-let-7a-5p	2.045	1.829	0.289	0.336	0.216	1.162	0.162	25	0.903	0.237
hsa-miR-15b-5p	-2.421	-2.895	0.402	0.906	0.473	1.388	0.163	26	0.903	0.408
hsa-miR-33a-5p	-3.594	-4.319	0.975	0.971	0.725	1.653	0.163	27	0.903	0.252
hsa-miR-940	-2.659	-3.439	0.604	1.328	0.780	1.717	0.171	28	0.903	0.345
hsa-miR-374b-5p	-2.414	-2.968	0.637	0.995	0.554	1.468	0.172	29	0.903	0.203

hsa-miR-1260a	0.737	0.506	0.275	0.373	0.231	1.174	0.176	30	0.903	0.470
hsa-miR-27b-3p	0.232	-0.068	0.477	0.414	0.300	1.231	0.182	31	0.903	0.360
hsa-miR-339-3p	-4.924	-3.497	1.701	0.371	-1.428	-2.690	0.192	32	0.903	0.343
hsa-miR-195-5p	-3.167	-4.122	0.858	1.559	0.955	1.939	0.195	33	0.903	0.181
hsa-miR-215-5p	-3.433	-4.026	0.548	0.556	0.593	1.508	0.196	34	0.903	0.183
hsa-miR-199a-5p	-1.836	-1.244	0.677	1.163	-0.593	-1.508	0.197	35	0.903	0.237
hsa-miR-130b-5p	-5.720	-6.994	1.196	0.333	1.275	2.420	0.200	36	0.903	0.400
hsa-miR-103a-3p	1.720	1.917	0.287	0.339	-0.197	-1.146	0.201	37	0.903	0.122
hsa-miR-214-3p	-5.360	-4.367	0.821	1.106	-0.993	-1.991	0.203	38	0.903	0.343
hsa-miR-454-3p	-3.782	-3.257	0.858	0.572	-0.525	-1.438	0.207	39	0.903	0.259
hsa-miR-193a-3p	-6.340	-5.503	0.919	1.081	-0.837	-1.787	0.214	40	0.903	0.230
hsa-miR-18a-5p	-2.530	-1.974	0.811	1.028	-0.556	-1.471	0.218	41	0.903	0.237
hsa-miR-423-5p	-1.706	-1.279	0.740	0.638	-0.427	-1.344	0.218	42	0.903	0.237
hsa-miR-26a-5p	0.689	0.438	0.247	0.548	0.251	1.190	0.218	43	0.903	0.408
hsa-miR-874-3p	-4.234	-3.351	1.390	1.141	-0.883	-1.844	0.219	44	0.903	0.620
hsa-miR-652-3p	-2.414	-1.920	0.845	0.778	-0.494	-1.409	0.221	45	0.903	0.237

hsa-miR-151a-3p	-3.501	-3.093	0.564	0.775	-0.408	-1.327	0.229	46	0.903	0.270
hsa-miR-140-5p	-2.806	-3.262	0.630	0.919	0.456	1.372	0.231	47	0.903	0.146
hsa-miR-10b-5p	-0.983	-1.459	0.833	0.767	0.476	1.391	0.232	48	0.903	0.237
hsa-miR-34a-3p	-4.676	-3.993	1.196	0.985	-0.683	-1.605	0.234	49	0.903	0.279
hsa-miR-181a-5p	-0.259	0.055	0.533	0.573	-0.314	-1.243	0.247	50	0.903	0.408
hsa-miR-590-5p	-3.949	-3.375	0.811	0.453	-0.574	-1.489	0.259	51	0.903	0.214
hsa-miR-10a-3p	-4.137	-5.151	1.305	1.377	1.013	2.019	0.267	52	0.903	0.548
hsa-miR-335-3p	-4.721	-3.867	1.350	1.285	-0.854	-1.807	0.271	53	0.903	0.445
hsa-miR-204-5p	-4.182	-3.374	0.511	1.151	-0.808	-1.751	0.275	54	0.903	0.629
hsa-miR-128-3p	-3.566	-4.304	0.922	1.543	0.737	1.667	0.277	55	0.903	0.152
hsa-miR-377-3p	-5.122	-4.165	1.128	0.669	-0.957	-1.942	0.278	56	0.903	0.250
hsa-miR-23b-3p	1.052	0.900	0.189	0.385	0.152	1.111	0.293	57	0.903	0.408
hsa-miR-93-5p	-0.410	-0.196	0.452	0.361	-0.214	-1.160	0.294	58	0.903	0.408
hsa-miR-185-5p	0.103	0.564	1.099	0.481	-0.462	-1.377	0.297	59	0.903	0.897
hsa-miR-451a	4.882	5.236	0.744	0.616	-0.355	-1.279	0.297	60	0.903	0.274
hsa-miR-133a-3p	-4.099	-5.077	0.792	1.755	0.978	1.969	0.298	61	0.903	0.662

hsa-miR-15b-3p	-4.377	-3.880	0.682	0.877	-0.497	-1.412	0.300	62	0.903	0.310
hsa-miR-23a-3p	2.327	2.435	0.194	0.242	-0.108	-1.078	0.310	63	0.903	0.408
hsa-miR-663a	-4.211	-4.847	0.777	1.073	0.637	1.555	0.317	64	0.903	0.548
hsa-miR-335-5p	-6.221	-6.906	0.826	0.764	0.685	1.608	0.322	65	0.903	0.400
hsa-let-7b-3p	-4.967	-4.246	1.108	1.413	-0.720	-1.648	0.326	66	0.903	0.445
hsa-miR-301a-3p	-3.303	-3.863	0.441	1.538	0.560	1.474	0.328	67	0.903	0.864
hsa-miR-222-3p	-0.311	-0.524	0.296	0.584	0.213	1.159	0.333	68	0.903	0.633
hsa-miR-181b-5p	-4.513	-4.945	0.864	0.736	0.432	1.349	0.339	69	0.903	0.224
hsa-miR-221-3p	-0.458	-0.134	0.702	0.721	-0.325	-1.252	0.351	70	0.903	0.315
hsa-miR-197-3p	-2.214	-2.576	0.505	0.944	0.361	1.284	0.355	71	0.903	0.388
hsa-miR-150-5p	2.889	2.684	0.467	0.442	0.205	1.153	0.358	72	0.903	0.408
hsa-miR-192-5p	-2.657	-3.130	1.065	0.810	0.473	1.388	0.358	73	0.903	0.397
hsa-miR-26b-5p	-1.475	-1.730	0.508	0.639	0.255	1.193	0.360	74	0.903	0.696
hsa-miR-16-5p	4.125	4.317	0.406	0.484	-0.192	-1.142	0.375	75	0.903	0.573
hsa-miR-320c	-4.648	-4.057	1.436	1.076	-0.591	-1.506	0.383	76	0.903	0.536
hsa-miR-326	-3.265	-2.497	1.479	0.571	-0.768	-1.703	0.384	77	0.903	0.762

hsa-miR-342-3p	0.045	-0.136	0.416	0.440	0.181	1.134	0.384	78	0.903	0.897
hsa-miR-577	-3.372	-4.807	0.237	2.265	1.435	2.705	0.387	79	0.903	0.700
hsa-miR-582-5p	-4.063	-4.656	0.621	0.846	0.593	1.508	0.388	80	0.903	0.700
hsa-let-7d-3p	-1.985	-1.669	0.800	0.645	-0.317	-1.246	0.388	81	0.903	0.423
hsa-miR-376a-3p	-3.479	-4.222	1.167	0.871	0.743	1.674	0.394	82	0.903	0.267
hsa-miR-22-5p	-3.764	-3.084	1.561	1.377	-0.680	-1.602	0.405	83	0.903	0.456
hsa-miR-486-5p	-0.876	-0.624	0.545	0.711	-0.252	-1.191	0.407	84	0.903	0.573
hsa-miR-425-5p	-1.518	-1.843	0.975	0.532	0.325	1.253	0.416	85	0.903	0.237
hsa-miR-30d-5p	-1.363	-1.192	0.368	0.506	-0.171	-1.125	0.421	86	0.903	0.315
hsa-miR-766-3p	-2.841	-3.247	0.694	0.433	0.407	1.326	0.426	87	0.903	0.548
hsa-miR-126-5p	-0.023	-0.270	0.718	0.509	0.247	1.187	0.427	88	0.903	0.460
hsa-miR-146a-5p	-1.538	-1.803	0.656	0.726	0.265	1.202	0.429	89	0.903	0.696
hsa-miR-20a-3p	-3.617	-3.884	0.625	0.357	0.267	1.203	0.429	90	0.903	0.429
hsa-miR-30b-5p	0.680	0.576	0.323	0.195	0.104	1.075	0.439	91	0.903	0.515
hsa-miR-34a-5p	-4.841	-4.451	0.907	0.512	-0.390	-1.310	0.445	92	0.903	0.730
hsa-miR-139-5p	-1.726	-2.071	0.992	0.838	0.345	1.270	0.446	93	0.903	0.274

hsa-miR-146b-5p	-4.249	-4.565	0.961	0.730	0.316	1.245	0.456	94	0.903	0.515
hsa-let-7g-5p	1.118	0.988	0.354	0.366	0.130	1.094	0.457	95	0.903	0.408
hsa-miR-30e-3p	-4.476	-3.815	2.187	1.154	-0.661	-1.581	0.457	96	0.903	0.829
hsa-miR-28-5p	-3.315	-3.026	0.612	0.803	-0.289	-1.222	0.459	97	0.903	0.414
hsa-miR-29b-3p	-1.470	-1.647	0.454	0.547	0.178	1.131	0.463	98	0.903	0.515
hsa-miR-186-5p	-4.992	-4.575	0.217	0.992	-0.417	-1.335	0.466	99	0.903	1.000
hsa-miR-328-3p	-3.143	-3.577	0.974	1.185	0.434	1.351	0.468	100	0.903	0.491
hsa-miR-98-5p	-3.987	-4.290	0.756	0.847	0.303	1.234	0.477	101	0.903	0.613
hsa-miR-663b	-2.902	-3.660	1.536	1.463	0.759	1.692	0.479	102	0.903	0.556
hsa-miR-130a-3p	-3.102	-2.747	1.137	0.882	-0.355	-1.279	0.481	103	0.903	0.460
hsa-miR-125b-5p	-1.708	-1.931	0.581	0.745	0.223	1.168	0.485	104	0.903	0.460
hsa-let-7b-5p	0.632	0.492	0.435	0.397	0.140	1.102	0.492	105	0.903	0.573
hsa-miR-484	-2.676	-2.237	1.337	1.365	-0.440	-1.356	0.502	106	0.903	0.360
hsa-miR-27a-3p	-0.316	-0.173	0.423	0.476	-0.143	-1.104	0.510	107	0.903	0.360
hsa-miR-1913	-5.482	-4.923	1.196	1.369	-0.559	-1.473	0.512	108	0.903	0.690
hsa-miR-345-5p	-2.799	-2.355	1.617	1.013	-0.444	-1.360	0.512	109	0.903	0.829

hsa-miR-15a-5p	0.942	1.029	0.259	0.292	-0.087	-1.062	0.512	110	0.903	0.274
hsa-miR-660-5p	-3.221	-2.799	1.255	0.795	-0.422	-1.339	0.523	111	0.913	0.699
hsa-miR-148b-3p	-2.690	-2.382	0.960	1.003	-0.308	-1.238	0.527	112	0.913	0.370
hsa-miR-144-3p	1.407	1.652	0.879	0.796	-0.246	-1.186	0.549	113	0.929	0.762
hsa-miR-28-3p	-3.434	-3.698	1.012	0.532	0.265	1.201	0.551	114	0.929	0.867
hsa-miR-574-3p	-2.917	-3.451	0.634	1.992	0.534	1.448	0.551	115	0.929	0.852
hsa-miR-126-3p	3.935	3.780	0.585	0.482	0.155	1.114	0.555	116	0.929	0.829
hsa-miR-155-5p	-3.643	-3.264	1.234	1.278	-0.378	-1.300	0.570	117	0.934	0.779
hsa-miR-130b-3p	-5.787	-5.319	0.882	1.198	-0.468	-1.383	0.578	118	0.934	0.629
hsa-miR-16-1-3p	-4.336	-4.755	1.032	0.602	0.419	1.337	0.583	119	0.934	0.700
hsa-miR-365a-3p	-4.025	-4.541	1.099	1.962	0.516	1.430	0.584	120	0.934	0.628
hsa-miR-106a-5p	0.530	0.672	0.587	0.460	-0.141	-1.103	0.587	121	0.934	0.829
hsa-miR-548c-5p	-5.955	-5.676	0.985	0.689	-0.280	-1.214	0.595	122	0.934	0.792
hsa-miR-1972	-4.271	-4.801	1.632	1.395	0.531	1.445	0.596	123	0.934	0.604
hsa-miR-338-3p	-3.434	-3.693	0.847	1.181	0.258	1.196	0.597	124	0.934	0.633
hsa-miR-125a-5p	-0.396	-0.545	0.621	0.552	0.149	1.108	0.604	125	0.936	0.460

hsa-miR-29a-5p	-3.429	-4.040	1.753	0.569	0.612	1.528	0.612	126	0.936	1.000
hsa-miR-584-5p	-6.462	-5.894	1.584	0.915	-0.568	-1.483	0.612	127	0.936	0.393
hsa-miR-7-5p	-5.283	-5.920	1.317	1.686	0.637	1.556	0.635	128	0.942	0.700
hsa-let-7i-5p	-1.044	-0.970	0.197	0.426	-0.074	-1.052	0.635	129	0.942	0.360
SNORD38B	-3.304	-2.438	2.676	2.514	-0.865	-1.822	0.637	130	0.942	0.556
hsa-miR-19a-3p	0.772	0.841	0.286	0.335	-0.070	-1.050	0.640	131	0.942	1.000
hsa-miR-30e-5p	-0.881	-0.995	0.494	0.524	0.115	1.083	0.641	132	0.942	0.633
hsa-miR-199a-3p	-1.540	-1.725	0.822	0.847	0.184	1.136	0.647	133	0.944	0.460
hsa-miR-532-5p	-4.087	-3.879	0.607	0.626	-0.208	-1.155	0.654	134	0.946	1.000
hsa-miR-142-3p	3.142	3.007	0.639	0.676	0.135	1.098	0.669	135	0.962	0.762
hsa-miR-624-5p	-4.667	-5.166	1.767	0.916	0.499	1.413	0.681	136	0.962	0.667
hsa-miR-191-5p	-1.140	-1.005	0.669	0.702	-0.136	-1.099	0.681	137	0.962	0.897
hsa-miR-18b-5p	-2.502	-2.311	1.088	0.611	-0.191	-1.142	0.684	138	0.962	0.887
hsa-miR-598-3p	-4.884	-4.561	1.449	0.470	-0.323	-1.251	0.695	139	0.962	0.886
mmu-miR-378a-3p	-2.912	-2.706	0.857	1.114	-0.206	-1.153	0.703	140	0.962	0.755
hsa-miR-152-3p	-3.542	-3.773	0.857	1.089	0.231	1.173	0.711	141	0.962	0.792

hsa-miR-374a-5p	-3.349	-3.470	0.364	0.877	0.121	1.087	0.713	142	0.962	0.743
hsa-miR-361-3p	-3.875	-4.064	0.641	0.970	0.189	1.140	0.715	143	0.962	0.876
hsa-miR-142-5p	0.884	0.792	0.580	0.450	0.092	1.066	0.718	144	0.962	0.897
hsa-miR-194-5p	-4.307	-4.462	0.921	0.828	0.156	1.114	0.721	145	0.962	0.743
hsa-miR-144-5p	-2.127	-1.938	0.879	1.361	-0.189	-1.140	0.727	146	0.962	0.829
hsa-miR-95-3p	-4.539	-4.158	1.240	1.696	-0.381	-1.302	0.729	147	0.962	0.786
hsa-miR-324-5p	-4.085	-3.898	0.879	0.844	-0.187	-1.138	0.742	148	0.973	0.648
hsa-miR-24-2-5p	-3.947	-3.791	0.815	0.768	-0.157	-1.115	0.762	149	0.974	1.000
hsa-miR-135a-5p	-4.778	-4.568	1.219	0.905	-0.210	-1.157	0.766	150	0.974	0.841
hsa-miR-320a	-0.231	-0.161	0.487	0.528	-0.069	-1.049	0.777	151	0.974	0.829
hsa-let-7f-5p	-1.835	-1.718	0.771	0.966	-0.117	-1.085	0.779	152	0.974	0.897
hsa-miR-509-3p	-1.949	-1.758	0.665	1.575	-0.191	-1.141	0.791	153	0.974	0.731
hsa-miR-143-3p	-2.878	-2.719	0.798	1.699	-0.159	-1.117	0.797	154	0.974	0.237
hsa-let-7c-5p	-1.265	-1.200	0.494	0.583	-0.065	-1.046	0.800	155	0.974	0.696
hsa-miR-193b-3p	-3.698	-3.808	0.479	0.811	0.110	1.079	0.802	156	0.974	0.690
hsa-miR-424-5p	-3.202	-3.104	1.057	0.325	-0.099	-1.071	0.805	157	0.974	0.696

hsa-miR-483-5p	-5.519	-5.832	1.877	1.623	0.314	1.243	0.809	158	0.974	1.000
hsa-miR-376c-3p	-4.145	-3.988	1.286	1.266	-0.157	-1.115	0.821	159	0.974	0.710
hsa-miR-2110	-4.458	-4.683	0.674	1.446	0.226	1.169	0.823	160	0.974	1.000
hsa-miR-363-3p	-3.620	-3.712	0.701	0.978	0.092	1.066	0.825	161	0.974	0.815
hsa-miR-550a-3p	-5.508	-5.238	1.763	0.862	-0.270	-1.206	0.827	162	0.974	1.000
hsa-miR-107	0.163	0.205	0.296	0.507	-0.042	-1.030	0.828	163	0.974	0.965
hsa-miR-486-3p	-5.574	-5.431	0.910	1.082	-0.143	-1.104	0.835	164	0.974	1.000
hsa-miR-25-3p	-0.657	-0.720	0.516	0.744	0.062	1.044	0.837	165	0.974	0.965
hsa-miR-590-3p	-4.893	-5.153	1.742	1.578	0.260	1.198	0.839	166	0.974	1.000
hsa-miR-151a-5p	-0.582	-0.638	0.484	0.717	0.056	1.040	0.846	167	0.974	0.897
hsa-miR-30c-5p	0.397	0.428	0.229	0.471	-0.031	-1.022	0.859	168	0.974	0.460
hsa-miR-21-5p	2.266	2.289	0.159	0.382	-0.023	-1.016	0.865	169	0.974	0.315
hsa-miR-331-3p	-3.029	-3.079	0.770	0.480	0.050	1.035	0.877	170	0.974	1.000
hsa-let-7i-3p	-4.674	-4.846	2.022	0.653	0.172	1.127	0.878	171	0.974	0.788
hsa-miR-487b-3p	-5.106	-5.201	0.493	1.160	0.095	1.068	0.878	172	0.974	1.000
hsa-miR-132-3p	-3.837	-3.963	1.734	0.903	0.126	1.091	0.884	173	0.974	0.352

hsa-miR-450a-5p	-4.721	-4.626	0.783	1.268	-0.095	-1.068	0.887	174	0.974	0.914
hsa-miR-361-5p	-1.712	-1.783	1.167	1.100	0.070	1.050	0.898	175	0.974	0.696
hsa-miR-320b	-2.403	-2.476	1.227	1.004	0.073	1.052	0.899	176	0.974	0.536
hsa-miR-16-2-3p	-3.206	-3.270	0.963	0.721	0.064	1.045	0.902	177	0.974	0.833
hsa-miR-423-3p	-1.534	-1.500	0.496	0.662	-0.034	-1.024	0.902	178	0.974	0.965
hsa-miR-30a-5p	-3.448	-3.373	1.442	1.014	-0.075	-1.053	0.905	179	0.974	0.888
hsa-miR-32-5p	-1.874	-1.914	0.729	0.776	0.040	1.028	0.911	180	0.974	1.000
hsa-miR-106b-5p	-0.885	-0.858	0.556	0.434	-0.027	-1.019	0.914	181	0.974	0.696
hsa-miR-935	-3.652	-3.588	1.056	0.286	-0.063	-1.045	0.914	182	0.974	0.905
hsa-miR-1537-3p	-5.383	-5.306	0.806	1.425	-0.078	-1.055	0.939	183	0.987	1.000
hsa-miR-339-5p	-1.941	-1.981	1.267	1.237	0.040	1.028	0.947	184	0.987	0.829
hsa-miR-140-3p	-0.840	-0.816	0.801	0.746	-0.024	-1.017	0.949	185	0.987	0.965
hsa-miR-425-3p	-3.626	-3.658	0.902	0.461	0.032	1.022	0.951	186	0.987	1.000
hsa-miR-30a-3p	-4.861	-4.811	0.667	1.567	-0.049	-1.035	0.951	187	0.987	0.413
hsa-miR-10a-5p	-5.821	-5.775	1.247	1.158	-0.046	-1.032	0.959	188	0.989	0.905
hsa-miR-29c-3p	-0.568	-0.576	0.424	0.357	0.008	1.006	0.967	189	0.989	0.965

hsa-miR-664a-3p	-5.497	-5.526	1.399	0.708	0.029	1.020	0.968	190	0.989	1.000
hsa-miR-101-3p	-0.664	-0.669	0.270	0.768	0.005	1.004	0.985	191	0.996	0.963
hsa-miR-223-3p	5.031	5.033	0.442	0.411	-0.002	-1.001	0.992	192	0.996	1.000
hsa-let-7d-5p	-1.432	-1.430	0.540	0.727	-0.002	-1.001	0.995	193	0.996	0.897
hsa-miR-141-3p	-5.043	-5.041	0.729	0.550	-0.002	-1.002	0.996	194	0.996	0.905
hsa-let-7e-3p	-5.304	ND	ND	ND	ND	ND	ND	195	ND	ND
hsa-let-7f-1-3p	-5.917	-5.180	ND	ND	-0.738	-1.667	ND	196	ND	1.000
hsa-let-7f-2-3p	-5.209	-4.538	0.361	0.519	-0.671	-1.593	ND	197	ND	0.400
hsa-let-7g-3p	-4.591	-3.664	0.063	0.819	-0.927	-1.902	ND	198	ND	0.333
hsa-miR-1	-4.274	-6.400	ND	0.320	2.127	4.367	ND	199	ND	0.400
hsa-miR-101-5p	ND	-5.763	ND	0.612	ND	ND	ND	200	ND	ND
hsa-miR-103b	-3.901	ND	ND	ND	ND	ND	ND	201	ND	ND
hsa-miR-106b-3p	-5.580	-4.737	0.271	1.753	-0.843	-1.794	ND	202	ND	0.533
hsa-miR-10b-3p	-4.837	-6.646	ND	ND	1.809	3.503	ND	203	ND	1.000
hsa-miR-1181	-5.944	-5.238	ND	0.454	-0.707	-1.632	ND	204	ND	0.500
hsa-miR-1185-5p	-6.869	ND	ND	ND	ND	ND	ND	205	ND	ND

hsa-miR-1205	-5.988	ND	ND	ND	ND	ND	ND	206	ND	ND
hsa-miR-1207-5p	-2.336	-4.356	ND	0.764	2.019	4.053	ND	207	ND	0.333
hsa-miR-1227-3p	-5.096	ND	ND	ND	ND	ND	ND	208	ND	ND
hsa-miR-1237-3p	-4.548	-5.203	ND	ND	0.655	1.575	ND	209	ND	1.000
hsa-miR-1238-3p	ND	-5.945	ND	ND	ND	ND	ND	210	ND	ND
hsa-miR-1249	-5.542	-4.395	0.012	0.466	-1.147	-2.215	ND	211	ND	0.095
hsa-miR-1254	ND	-5.488	ND	ND	ND	ND	ND	212	ND	ND
hsa-miR-125a-3p	ND	-6.308	ND	ND	ND	ND	ND	213	ND	ND
hsa-miR-1269a	ND	-7.053	ND	ND	ND	ND	ND	214	ND	ND
hsa-miR-1271-5p	ND	-5.428	ND	ND	ND	ND	ND	215	ND	ND
hsa-miR-127-3p	-3.960	-3.974	0.954	ND	0.013	1.009	ND	216	ND	1.000
hsa-miR-1296-5p	-3.382	-4.255	ND	1.236	0.873	1.831	ND	217	ND	1.000
hsa-miR-134-5p	-4.007	-3.890	ND	ND	-0.117	-1.085	ND	218	ND	1.000
hsa-miR-135a-3p	ND	-5.895	ND	ND	ND	ND	ND	219	ND	ND
hsa-miR-136-3p	-3.962	-3.692	0.357	ND	-0.270	-1.206	ND	220	ND	0.667
hsa-miR-137	-4.257	-3.794	ND	0.700	-0.463	-1.378	ND	221	ND	1.000

hsa-miR-138-5p	-4.604	-5.594	ND	2.259	0.990	1.986	ND	222	ND	1.000
hsa-miR-139-3p	-5.774	-5.939	0.713	1.301	0.166	1.122	ND	223	ND	1.000
hsa-miR-141-5p	-3.447	ND	0.518	ND	ND	ND	ND	224	ND	ND
hsa-miR-146a-3p	ND	-5.744	ND	ND	ND	ND	ND	225	ND	ND
hsa-miR-146b-3p	ND	-5.105	ND	ND	ND	ND	ND	226	ND	ND
hsa-miR-1471	ND	-6.260	ND	0.441	ND	ND	ND	227	ND	ND
hsa-miR-148b-5p	-5.729	-5.672	0.157	0.273	-0.057	-1.040	ND	228	ND	1.000
hsa-miR-149-3p	-5.662	ND	1.633	ND	ND	ND	ND	229	ND	ND
hsa-miR-149-5p	-3.414	-4.734	0.550	ND	1.321	2.498	ND	230	ND	0.667
hsa-miR-153-3p	-4.929	ND	0.864	ND	ND	ND	ND	231	ND	ND
hsa-miR-1538	-5.920	-4.961	ND	ND	-0.959	-1.944	ND	232	ND	1.000
hsa-miR-154-3p	ND	-5.146	ND	ND	ND	ND	ND	233	ND	ND
hsa-miR-154-5p	-4.678	-3.761	ND	0.543	-0.916	-1.887	ND	234	ND	0.500
hsa-miR-15a-3p	-5.679	-6.049	0.703	0.529	0.370	1.292	ND	235	ND	0.800
hsa-miR-181a-2-3p	ND	-4.529	ND	0.933	ND	ND	ND	236	ND	ND
hsa-miR-181a-3p	-4.393	-5.819	0.307	1.461	1.426	2.688	ND	237	ND	0.333

hsa-miR-181c-3p	-4.953	ND	ND	ND	ND	ND	ND	238	ND	ND
hsa-miR-181c-5p	-4.800	-5.183	ND	0.556	0.383	1.304	ND	239	ND	1.000
hsa-miR-181d-5p	-7.737	ND	ND	ND	ND	ND	ND	240	ND	ND
hsa-miR-182-3p	ND	ND	ND	ND	ND	ND	ND	241	ND	ND
hsa-miR-182-5p	-4.428	-5.124	0.691	0.054	0.696	1.620	ND	242	ND	0.533
hsa-miR-183-5p	-3.512	-5.394	0.308	0.292	1.883	3.687	ND	243	ND	0.333
hsa-miR-184	-5.601	ND	ND	ND	ND	ND	ND	244	ND	ND
hsa-miR-185-3p	ND	-5.372	ND	0.504	ND	ND	ND	245	ND	ND
hsa-miR-188-3p	ND	-5.709	ND	ND	ND	ND	ND	246	ND	ND
hsa-miR-188-5p	-4.119	-4.812	ND	ND	0.693	1.616	ND	247	ND	1.000
hsa-miR-18a-3p	-3.685	-6.111	ND	0.559	2.426	5.375	ND	248	ND	0.667
hsa-miR-1908-5p	-7.031	-5.252	ND	1.137	-1.778	-3.430	ND	249	ND	0.500
hsa-miR-190a-5p	-5.203	-4.656	ND	1.615	-0.547	-1.461	ND	250	ND	0.800
hsa-miR-190b	-5.389	-4.661	ND	ND	-0.727	-1.656	ND	251	ND	1.000
hsa-miR-191-3p	ND	-5.586	ND	ND	ND	ND	ND	252	ND	ND
hsa-miR-1914-5p	ND	-5.431	ND	ND	ND	ND	ND	253	ND	ND

hsa-miR-193a-5p	-5.964	-5.344	0.958	ND	-0.620	-1.537	ND	254	ND	0.800
hsa-miR-196a-5p	ND	-6.836	ND	ND	ND	ND	ND	255	ND	ND
hsa-miR-196b-3p	ND	-2.758	ND	ND	ND	ND	ND	256	ND	ND
hsa-miR-196b-5p	-4.966	ND	0.160	ND	ND	ND	ND	257	ND	ND
hsa-miR-199b-5p	-4.440	-4.656	0.987	1.031	0.216	1.162	ND	258	ND	1.000
hsa-miR-19b-1-5p	ND	-6.049	ND	ND	ND	ND	ND	259	ND	ND
hsa-miR-200a-3p	-6.671	-4.690	ND	0.153	-1.981	-3.947	ND	260	ND	0.667
hsa-miR-200b-3p	-3.789	-5.032	ND	ND	1.243	2.368	ND	261	ND	1.000
hsa-miR-200b-5p	ND	ND	ND	ND	ND	ND	ND	262	ND	ND
hsa-miR-200c-3p	ND	-3.945	ND	0.948	ND	ND	ND	263	ND	ND
hsa-miR-202-3p	ND	-5.841	ND	ND	ND	ND	ND	264	ND	ND
hsa-miR-203a	-4.650	-4.737	3.703	1.563	0.088	1.063	ND	265	ND	1.000
hsa-miR-206	ND	ND	ND	ND	ND	ND	ND	266	ND	ND
hsa-miR-208b-3p	ND	ND	ND	ND	ND	ND	ND	267	ND	ND
hsa-miR-20b-5p	-6.437	-4.558	ND	ND	-1.879	-3.677	ND	268	ND	1.000
hsa-miR-210-3p	-3.809	-3.654	1.090	0.508	-0.155	-1.113	ND	269	ND	1.000

hsa-miR-211-5p	ND	ND	ND	ND	ND	ND	ND	270	ND	ND
hsa-miR-212-3p	-4.318	ND	0.933	ND	ND	ND	ND	271	ND	ND
hsa-miR-21-3p	-4.590	-3.889	0.543	1.215	-0.701	-1.625	ND	272	ND	0.800
hsa-miR-214-5p	-2.966	-2.983	0.053	ND	0.018	1.012	ND	273	ND	1.000
hsa-miR-216a-5p	-5.978	ND	ND	ND	ND	ND	ND	274	ND	ND
hsa-miR-218-5p	ND	ND	ND	ND	ND	ND	ND	275	ND	ND
hsa-miR-219a-5p	-4.586	-4.562	1.299	0.259	-0.024	-1.017	ND	276	ND	0.857
hsa-miR-221-5p	-4.243	-6.703	ND	ND	2.460	5.501	ND	277	ND	1.000
hsa-miR-222-5p	ND	-5.912	ND	ND	ND	ND	ND	278	ND	ND
hsa-miR-223-5p	-5.801	-4.612	ND	0.833	-1.189	-2.279	ND	279	ND	0.500
hsa-miR-224-3p	-4.102	ND	ND	ND	ND	ND	ND	280	ND	ND
hsa-miR-224-5p	-5.566	ND	0.800	ND	ND	ND	ND	281	ND	ND
hsa-miR-23a-5p	-3.398	-4.149	ND	ND	0.752	1.684	ND	282	ND	1.000
hsa-miR-24-1-5p	-5.654	ND	1.345	ND	ND	ND	ND	283	ND	ND
hsa-miR-25-5p	-4.907	-4.556	ND	ND	-0.350	-1.275	ND	284	ND	1.000
hsa-miR-26b-3p	-4.444	-5.419	0.671	1.058	0.975	1.965	ND	285	ND	0.429

hsa-miR-27a-5p	-4.150	-4.126	1.340	1.168	-0.024	-1.017	ND	286	ND	1.000
hsa-miR-296-5p	-3.995	-4.792	1.238	ND	0.798	1.738	ND	287	ND	1.000
hsa-miR-299-5p	ND	ND	ND	ND	ND	ND	ND	288	ND	ND
hsa-miR-29b-2-5p	-4.198	ND	0.790	ND	ND	ND	ND	289	ND	ND
hsa-miR-29c-5p	-4.881	-5.061	0.315	0.183	0.180	1.133	ND	290	ND	0.400
hsa-miR-300	-4.297	ND	ND	ND	ND	ND	ND	291	ND	ND
hsa-miR-301b	ND	-3.971	ND	0.347	ND	ND	ND	292	ND	ND
hsa-miR-30c-1-3p	-6.213	ND	ND	ND	ND	ND	ND	293	ND	ND
hsa-miR-30c-2-3p	-4.445	ND	ND	ND	ND	ND	ND	294	ND	ND
hsa-miR-30d-3p	-4.573	-3.943	0.382	ND	-0.630	-1.548	ND	295	ND	0.667
hsa-miR-31-3p	ND	ND	ND	ND	ND	ND	ND	296	ND	ND
hsa-miR-31-5p	-3.597	-3.317	0.776	0.549	-0.280	-1.214	ND	297	ND	0.400
hsa-miR-320d	-4.596	-4.263	2.287	0.867	-0.333	-1.260	ND	298	ND	0.889
hsa-miR-323a-3p	-4.171	ND	ND	ND	ND	ND	ND	299	ND	ND
hsa-miR-32-3p	ND	-4.493	ND	ND	ND	ND	ND	300	ND	ND
hsa-miR-329-3p	-5.232	-4.780	0.308	0.583	-0.452	-1.368	ND	301	ND	0.800

hsa-miR-330-3p	-5.668	-5.092	ND	1.922	-0.576	-1.491	ND	302	ND	1.000
hsa-miR-330-5p	-4.482	-3.587	0.497	ND	-0.895	-1.860	ND	303	ND	0.667
hsa-miR-337-3p	-3.541	-6.145	ND	ND	2.604	6.078	ND	304	ND	1.000
hsa-miR-337-5p	-5.326	-5.498	0.312	0.641	0.172	1.127	ND	305	ND	0.857
hsa-miR-33a-3p	ND	-4.122	ND	ND	ND	ND	ND	306	ND	ND
hsa-miR-33b-3p	-6.138	ND	ND	ND	ND	ND	ND	307	ND	ND
hsa-miR-33b-5p	-6.536	-4.539	ND	1.554	-1.997	-3.992	ND	308	ND	0.667
hsa-miR-340-3p	-4.891	-3.993	ND	1.208	-0.898	-1.863	ND	309	ND	0.667
hsa-miR-342-5p	-5.428	-4.257	1.079	ND	-1.171	-2.252	ND	310	ND	0.400
hsa-miR-346	-6.148	-5.658	ND	ND	-0.490	-1.405	ND	311	ND	1.000
hsa-miR-34c-3p	ND	-4.510	ND	0.556	ND	ND	ND	312	ND	ND
hsa-miR-362-3p	-3.636	-3.806	0.338	0.227	0.170	1.125	ND	313	ND	0.571
hsa-miR-362-5p	-5.767	-6.200	2.434	0.732	0.433	1.350	ND	314	ND	1.000
hsa-miR-369-3p	-4.770	-4.863	ND	1.735	0.093	1.067	ND	315	ND	1.000
hsa-miR-369-5p	-5.735	-5.783	ND	2.291	0.048	1.034	ND	316	ND	1.000
hsa-miR-370-3p	-5.027	-3.559	ND	0.618	-1.468	-2.766	ND	317	ND	0.500

hsa-miR-371a-5p	-5.012	ND	ND	ND	ND	ND	ND	318	ND	ND
hsa-miR-373-3p	-5.544	-5.451	1.551	ND	-0.093	-1.067	ND	319	ND	1.000
hsa-miR-373-5p	-7.371	-5.206	ND	1.455	-2.165	-4.484	ND	320	ND	0.400
hsa-miR-374b-3p	-8.042	ND	ND	ND	ND	ND	ND	321	ND	ND
hsa-miR-375	-5.145	-4.403	ND	ND	-0.742	-1.673	ND	322	ND	1.000
hsa-miR-376a-5p	-6.308	-3.883	ND	0.102	-2.425	-5.371	ND	323	ND	0.667
hsa-miR-376b-3p	-6.368	-4.947	1.869	0.750	-1.421	-2.678	ND	324	ND	0.800
hsa-miR-378a-5p	ND	-5.262	ND	0.438	ND	ND	ND	325	ND	ND
hsa-miR-379-3p	-5.168	-4.933	ND	0.606	-0.235	-1.177	ND	326	ND	0.800
hsa-miR-379-5p	ND	-3.663	ND	0.424	ND	ND	ND	327	ND	ND
hsa-miR-380-3p	ND	-7.416	ND	ND	ND	ND	ND	328	ND	ND
hsa-miR-380-5p	-3.152	ND	ND	ND	ND	ND	ND	329	ND	ND
hsa-miR-381-3p	-5.740	-5.182	ND	0.516	-0.558	-1.472	ND	330	ND	0.500
hsa-miR-381-5p	ND	-4.437	ND	ND	ND	ND	ND	331	ND	ND
hsa-miR-382-3p	ND	-3.420	ND	ND	ND	ND	ND	332	ND	ND
hsa-miR-382-5p	ND	-3.619	ND	0.711	ND	ND	ND	333	ND	ND

hsa-miR-409-3p	-3.299	-3.791	0.154	1.215	0.492	1.406	ND	334	ND	0.857
hsa-miR-409-5p	ND	-5.021	ND	0.647	ND	ND	ND	335	ND	ND
hsa-miR-410-3p	-5.473	-5.051	0.864	ND	-0.422	-1.340	ND	336	ND	1.000
hsa-miR-411-3p	ND	-4.762	ND	ND	ND	ND	ND	337	ND	ND
hsa-miR-411-5p	-4.948	-4.520	ND	ND	-0.428	-1.345	ND	338	ND	1.000
hsa-miR-421	-4.563	-4.739	0.461	0.223	0.177	1.130	ND	339	ND	0.800
hsa-miR-424-3p	ND	-3.521	ND	0.894	ND	ND	ND	340	ND	ND
hsa-miR-429	-5.669	ND	ND	ND	ND	ND	ND	341	ND	ND
hsa-miR-431-3p	-7.373	ND	ND	ND	ND	ND	ND	342	ND	ND
hsa-miR-431-5p	-5.194	-5.170	ND	1.578	-0.024	-1.017	ND	343	ND	1.000
hsa-miR-432-3p	-4.876	ND	ND	ND	ND	ND	ND	344	ND	ND
hsa-miR-432-5p	-5.256	-4.378	ND	ND	-0.878	-1.838	ND	345	ND	1.000
hsa-miR-433-3p	ND	-5.267	ND	ND	ND	ND	ND	346	ND	ND
hsa-miR-449b-3p	ND	-3.199	ND	ND	ND	ND	ND	347	ND	ND
hsa-miR-449b-5p	-5.728	ND	ND	ND	ND	ND	ND	348	ND	ND
hsa-miR-452-3p	ND	-4.582	ND	ND	ND	ND	ND	349	ND	ND

hsa-miR-454-5p	ND	-5.763	ND	ND	ND	ND	ND	350	ND	ND
hsa-miR-455-3p	-4.322	-3.903	0.437	ND	-0.419	-1.337	ND	351	ND	0.500
hsa-miR-455-5p	ND	-4.192	ND	ND	ND	ND	ND	352	ND	ND
hsa-miR-483-3p	-4.103	-5.028	1.081	1.038	0.924	1.898	ND	353	ND	0.267
hsa-miR-485-3p	-3.917	-3.966	0.865	0.449	0.049	1.035	ND	354	ND	1.000
hsa-miR-487a-3p	-6.950	-5.983	0.353	ND	-0.967	-1.954	ND	355	ND	0.667
hsa-miR-490-5p	ND	-6.495	ND	ND	ND	ND	ND	356	ND	ND
hsa-miR-491-5p	-5.455	-3.831	ND	0.726	-1.625	-3.083	ND	357	ND	0.400
hsa-miR-493-3p	-5.055	ND	ND	ND	ND	ND	ND	358	ND	ND
hsa-miR-493-5p	-4.193	-4.953	0.290	1.355	0.760	1.693	ND	359	ND	0.533
hsa-miR-494-3p	ND	ND	ND	ND	ND	ND	ND	360	ND	ND
hsa-miR-495-3p	-3.901	-4.717	0.357	0.815	0.816	1.760	ND	361	ND	0.381
hsa-miR-496	-3.255	ND	ND	ND	ND	ND	ND	362	ND	ND
hsa-miR-498	-5.280	ND	ND	ND	ND	ND	ND	363	ND	ND
hsa-miR-499a-5p	ND	-3.997	ND	ND	ND	ND	ND	364	ND	ND
hsa-miR-500a-5p	-4.780	-4.301	0.115	ND	-0.479	-1.394	ND	365	ND	0.500

hsa-miR-501-3p	ND	-4.268	ND	0.091	ND	ND	ND	366	ND	ND
hsa-miR-501-5p	-7.169	-4.839	ND	1.110	-2.330	-5.030	ND	367	ND	0.500
hsa-miR-502-3p	ND	-4.918	ND	0.626	ND	ND	ND	368	ND	ND
hsa-miR-502-5p	ND	-5.745	ND	ND	ND	ND	ND	369	ND	ND
hsa-miR-503-5p	-4.374	-4.751	0.068	ND	0.377	1.299	ND	370	ND	0.667
hsa-miR-504-5p	ND	-4.351	ND	ND	ND	ND	ND	371	ND	ND
hsa-miR-505-3p	-4.272	-4.586	0.820	1.247	0.315	1.244	ND	372	ND	0.800
hsa-miR-505-5p	-4.686	-5.839	ND	ND	1.153	2.224	ND	373	ND	1.000
hsa-miR-511-5p	ND	ND	ND	ND	ND	ND	ND	374	ND	ND
hsa-miR-512-3p	ND	ND	ND	ND	ND	ND	ND	375	ND	ND
hsa-miR-514a-3p	ND	-3.782	ND	ND	ND	ND	ND	376	ND	ND
hsa-miR-515-5p	ND	-4.930	ND	ND	ND	ND	ND	377	ND	ND
hsa-miR-517a-3p	ND	-2.326	ND	ND	ND	ND	ND	378	ND	ND
hsa-miR-517c-3p	ND	-6.380	ND	ND	ND	ND	ND	379	ND	ND
hsa-miR-518a-3p	ND	ND	ND	ND	ND	ND	ND	380	ND	ND
hsa-miR-518c-3p	ND	-5.313	ND	ND	ND	ND	ND	381	ND	ND

hsa-miR-518e-3p	-4.840	-4.320	ND	ND	-0.521	-1.435	ND	382	ND	1.000
hsa-miR-518e-5p	-4.006	ND	ND	ND	ND	ND	ND	383	ND	ND
hsa-miR-518f-3p	-7.471	ND	ND	ND	ND	ND	ND	384	ND	ND
hsa-miR-518f-5p	ND	-5.171	ND	ND	ND	ND	ND	385	ND	ND
hsa-miR-519a-3p	ND	ND	ND	ND	ND	ND	ND	386	ND	ND
hsa-miR-519b-3p	ND	-4.790	ND	0.254	ND	ND	ND	387	ND	ND
hsa-miR-519d-3p	ND	-3.725	ND	ND	ND	ND	ND	388	ND	ND
hsa-miR-520a-5p	ND	-5.326	ND	ND	ND	ND	ND	389	ND	ND
hsa-miR-520d-3p	-3.552	-7.012	0.396	ND	3.459	10.999	ND	390	ND	0.667
hsa-miR-523-3p	ND	-3.108	ND	0.563	ND	ND	ND	391	ND	ND
hsa-miR-525-3p	ND	-3.167	ND	ND	ND	ND	ND	392	ND	ND
hsa-miR-526b-5p	ND	ND	ND	ND	ND	ND	ND	393	ND	ND
hsa-miR-532-3p	-3.676	-3.792	0.047	0.525	0.115	1.083	ND	394	ND	0.400
hsa-miR-539-5p	ND	ND	ND	ND	ND	ND	ND	395	ND	ND
hsa-miR-542-5p	-4.616	ND	ND	ND	ND	ND	ND	396	ND	ND
hsa-miR-543	-4.541	-4.499	0.340	0.997	-0.041	-1.029	ND	397	ND	1.000

hsa-miR-545-3p	-4.886	-4.876	0.947	1.858	-0.009	-1.006	ND	398	ND	1.000
hsa-miR-548a-3p	-5.576	-4.302	0.090	0.509	-1.274	-2.419	ND	399	ND	0.333
hsa-miR-548h-5p	-5.657	ND	ND	ND	ND	ND	ND	400	ND	ND
hsa-miR-548i	ND	ND	ND	ND	ND	ND	ND	401	ND	ND
hsa-miR-548j-5p	-3.951	-3.916	ND	ND	-0.034	-1.024	ND	402	ND	1.000
hsa-miR-548k	ND	-4.645	ND	ND	ND	ND	ND	403	ND	ND
hsa-miR-550a-5p	-2.934	ND	ND	ND	ND	ND	ND	404	ND	ND
hsa-miR-551a	-3.689	ND	ND	ND	ND	ND	ND	405	ND	ND
hsa-miR-551b-3p	-4.233	-3.640	1.373	0.615	-0.592	-1.508	ND	406	ND	0.800
hsa-miR-555	-4.930	ND	ND	ND	ND	ND	ND	407	ND	ND
hsa-miR-566	-5.106	ND	ND	ND	ND	ND	ND	408	ND	ND
hsa-miR-576-5p	-3.883	-5.248	0.322	0.568	1.365	2.575	ND	409	ND	0.333
hsa-miR-578	ND	-6.091	ND	ND	ND	ND	ND	410	ND	ND
hsa-miR-579-3p	ND	-7.191	ND	ND	ND	ND	ND	411	ND	ND
hsa-miR-582-3p	-5.842	-7.215	1.273	ND	1.373	2.591	ND	412	ND	0.500
hsa-miR-589-3p	-5.322	-5.328	1.506	1.000	0.006	1.004	ND	413	ND	0.857

hsa-miR-593-3p	-6.390	ND	ND	ND	ND	ND	ND	414	ND	ND
hsa-miR-595	-4.136	ND	ND	ND	ND	ND	ND	415	ND	ND
hsa-miR-596	-6.784	-4.769	ND	1.050	-2.015	-4.041	ND	416	ND	0.667
hsa-miR-602	ND	-5.043	ND	ND	ND	ND	ND	417	ND	ND
hsa-miR-618	-3.537	-5.791	1.535	ND	2.254	4.771	ND	418	ND	0.667
hsa-miR-621	ND	ND	ND	ND	ND	ND	ND	419	ND	ND
hsa-miR-626	-5.852	ND	ND	ND	ND	ND	ND	420	ND	ND
hsa-miR-627-5p	ND	-5.938	ND	ND	ND	ND	ND	421	ND	ND
hsa-miR-628-3p	ND	ND	ND	ND	ND	ND	ND	422	ND	ND
hsa-miR-628-5p	ND	-5.015	ND	ND	ND	ND	ND	423	ND	ND
hsa-miR-629-3p	-4.190	-4.392	ND	0.490	0.203	1.151	ND	424	ND	1.000
hsa-miR-629-5p	-4.026	-3.823	ND	0.068	-0.203	-1.151	ND	425	ND	0.667
hsa-miR-631	-6.185	-4.501	ND	ND	-1.685	-3.215	ND	426	ND	1.000
hsa-miR-635	ND	ND	ND	ND	ND	ND	ND	427	ND	ND
hsa-miR-636	ND	-6.071	ND	ND	ND	ND	ND	428	ND	ND
hsa-miR-643	ND	ND	ND	ND	ND	ND	ND	429	ND	ND

hsa-miR-645	ND	-3.373	ND	ND	ND	ND	ND	430	ND	ND
hsa-miR-646	-6.253	-4.653	ND	ND	-1.600	-3.032	ND	431	ND	1.000
hsa-miR-649	ND	ND	ND	ND	ND	ND	ND	432	ND	ND
hsa-miR-650	-4.938	ND	ND	ND	ND	ND	ND	433	ND	ND
hsa-miR-651-5p	-3.477	ND	ND	ND	ND	ND	ND	434	ND	ND
hsa-miR-654-3p	-4.850	-5.963	ND	ND	1.112	2.162	ND	435	ND	1.000
hsa-miR-654-5p	ND	ND	ND	ND	ND	ND	ND	436	ND	ND
hsa-miR-655-3p	-6.788	ND	ND	ND	ND	ND	ND	437	ND	ND
hsa-miR-661	-6.448	-4.987	ND	ND	-1.461	-2.753	ND	438	ND	1.000
hsa-miR-662	-5.502	ND	2.122	ND	ND	ND	ND	439	ND	ND
hsa-miR-665	ND	-3.849	ND	ND	ND	ND	ND	440	ND	ND
hsa-miR-671-3p	ND	-3.401	ND	ND	ND	ND	ND	441	ND	ND
hsa-miR-671-5p	-4.388	-4.191	0.331	ND	-0.196	-1.146	ND	442	ND	1.000
hsa-miR-675-3p	-5.496	ND	1.619	ND	ND	ND	ND	443	ND	ND
hsa-miR-675-5p	ND	-5.115	ND	ND	ND	ND	ND	444	ND	ND
hsa-miR-708-3p	-4.367	-5.299	0.514	ND	0.931	1.907	ND	445	ND	0.667

hsa-miR-7-1-3p	-4.581	-4.714	1.685	1.019	0.132	1.096	ND	446	ND	0.800
hsa-miR-744-3p	ND	-4.529	ND	ND	ND	ND	ND	447	ND	ND
hsa-miR-758-3p	-2.869	ND	ND	ND	ND	ND	ND	448	ND	ND
hsa-miR-761	-4.696	ND	ND	ND	ND	ND	ND	449	ND	ND
hsa-miR-765	-7.254	ND	ND	ND	ND	ND	ND	450	ND	ND
hsa-miR-769-3p	ND	-4.697	ND	ND	ND	ND	ND	451	ND	ND
hsa-miR-769-5p	-3.584	-4.635	ND	0.569	1.051	2.072	ND	452	ND	0.500
hsa-miR-770-5p	ND	ND	ND	ND	ND	ND	ND	453	ND	ND
hsa-miR-873-5p	-4.737	ND	ND	ND	ND	ND	ND	454	ND	ND
hsa-miR-875-5p	ND	ND	ND	ND	ND	ND	ND	455	ND	ND
hsa-miR-877-3p	-6.939	-4.675	ND	0.092	-2.264	-4.803	ND	456	ND	0.667
hsa-miR-877-5p	-4.879	-5.258	1.533	0.849	0.379	1.300	ND	457	ND	0.857
hsa-miR-885-5p	-6.492	-5.665	ND	1.581	-0.827	-1.773	ND	458	ND	1.000
hsa-miR-887-3p	-4.867	-4.530	0.009	ND	-0.336	-1.262	ND	459	ND	0.667
hsa-miR-889-3p	-7.009	-5.781	ND	ND	-1.227	-2.341	ND	460	ND	1.000
hsa-miR-92a-1-5p	ND	-3.648	ND	1.030	ND	ND	ND	461	ND	ND

hsa-miR-92b-5p	ND	-4.861	ND	ND	ND	ND	ND	462	ND	ND
hsa-miR-93-3p	-5.641	-2.931	ND	0.484	-2.709	-6.540	ND	463	ND	0.400
hsa-miR-934	-5.753	-3.075	ND	ND	-2.678	-6.400	ND	464	ND	1.000
hsa-miR-937-3p	ND	-5.682	ND	ND	ND	ND	ND	465	ND	ND
hsa-miR-941	-3.043	-5.063	ND	1.286	2.020	4.055	ND	466	ND	0.667
hsa-miR-942-5p	ND	-6.200	ND	ND	ND	ND	ND	467	ND	ND
hsa-miR-9-5p	-4.115	ND	1.740	ND	ND	ND	ND	468	ND	ND
hsa-miR-96-5p	-4.871	-3.810	1.821	0.466	-1.061	-2.087	ND	469	ND	0.667
hsa-miR-99a-3p	-3.144	ND	ND	ND	ND	ND	ND	470	ND	ND
hsa-miR-99b-3p	-3.901	-3.776	ND	ND	-0.125	-1.090	ND	471	ND	1.000
SNORD49A	ND	-3.898	ND	ND	ND	ND	ND	472	ND	ND

Abbreviations: ND, Not Detected; dcq, delta quantification cycle; ddcq, delta, delta quantification cycle; micro, microalbuminuria; macro, macroalbuminuria; Q-value, Hochberg-Benjamini Flase Discovery Rate.