SUPPLEMENTAL MATERIAL

Supplemental Methods

Regional Ischemia *In Vivo*

Male adult mice (B6129SF2/JF2, 10-12-weeks old) were anesthetized with sodium pentobarbital (90 mg/kg IP), intubated with PE 90 tubing, and ventilated by use of a mouse miniventilator (Harvard Apparatus) with room air supplemented with oxygen. ECG electrodes were placed subcutaneously, and data were recorded with a Digi-Med Sinus Rhythm Analyzer (Micro-Med). A lateral thoracotomy (1.5-cm incision between the second and third ribs) was performed to provide exposure of the left anterior descending coronary artery (LAD), while avoiding rib and sternal resection, retraction, and rotation of the heart. Vascular bundles in the vicinity were coagulated by use of a microcoagulator (Medical Industries). An 8-0 nylon suture was placed around the LAD at 2 to 3 mm from the tip of the left auricle, and a piece of soft silicon tubing (0.64 mm ID, 1.19 mm OD) was placed over the artery. All mice were subjected to a 30-minute coronary occlusion by tightening and tying the suture. Ischemia was confirmed by visual observation (cyanosis) and continuous ECG monitoring. After 24 hours of reperfusion, the aorta was cannulated, and the hearts were quick frozen in liquid N_2 for further experiments or perfused with 1% TTC (37°C, 60 mmHg) as previously described.[1] The occluder, which had been left in place, was retied, and the heart was perfused with 5% phthalo blue. Hearts were transversely cut into 5 to 6 sections, with 1 section made at the site of the ligature. Infarct sizes were determined and expressed as a percentage of the region at risk.

microRNA Extraction, miRNA-Microarray and Quantitative RT-PCR

miRNAs were isolated from mouse hearts (B6129SF2/JF2, 10~12-weeks old) after 30-min ischemia, via left anterior descending (LAD) coronary artery occlusion, followed by 24-h reperfusion or from mouse hearts (FVB/N) subjected to 45-min no-flow global ischemia and 2-h reperfusion *ex vivo*, using the mirVana miRNA isolation kit (Ambion, Inc., Austin, TX) , according to the manufacturer's protocol. The concentration of RNA was determined by a NanoDrop ND-1000 Spectrophotometer (NanoDrop Tech., Rockland, DE). miRNA expression profiling was determined by miRNA microarray analysis using the mouse miRNA array probes (mirVana^{TM} miRNA Bioarrays Version 2, Ambion, Inc., Austin, TX) that include 266 mature mouse miRNAs. Dysregulated miRNAs were validated by using the *mir*Vana™ qRT-PCR miRNA Detection Kit TaqMan miRNA assays. Primer sets for these miRNAs including control snoRNA412 were purchased from Ambion, Inc. (Austin, TX). All RT reactions, including no-template controls and RT minus controls, were run in triplicate in a GeneAmp PCR 9700 Thermocycler (Applied Biosystems). Relative expression was calculated using the comparative threshold cycle (Ct) method, as previous described.[2]

Microarray Data Analysis

The data generated by GenePix® Pro version 5.0 software were analyzed to identify differentially expressed miRNAs. Data normalization was performed in two separate steps for each microarray. [3] First, background adjusted intensities were log-transformed and the differences (M) and averages (A) of log-transformed values were calculated as $M=\log_2(X_1) - \log_2(X_2)$ and $A=[\log_2(X_1) + \log_2(X_2)]/2$, where X_1 and X_2 denote the Cy5 and Cy3 intensities, respectively. Second, normalization was performed by fitting the array-specific local regression model of M as a function of A. Normalized log intensities for the two channels were then calculated by adding half of the normalized ratio to A for the Cy5 channel and subtracting half of the normalized ratio from *A* for the Cy3 channel. Statistical analysis was performed for each gene separately by fitting an analysis of variance model, [4, 5] and calculating significance levels using an intensity-based empirical Bayesian moderated *t* statistic (IBMT). [6] Estimates of fold change were calculated for each miRNA, and p-values were adjusted for multiple testing by controlling the false discovery rate (FDR). Data analysis was performed using the statistical software R.

Cell Culture and Construction of Adenoviral Vectors

The cell lines used in this study were purchased from the American Type Culture Collection (ATCC, Manassas, VA). H9c2 (rat ventricular cell line) and HEK293 (human embryonic kidney cell line) were cultured in Dulbecco's Modified Eagle Medium (DMEM). The cultures were supplemented with 10% fetal bovine serum and 100 μg/ml penicillin/streptomycin. Primary miR-320 DNA was PCR-amplified from mouse genomic DNA using high fidelity AccuPrime Taq DNA polymerase (Invitrogen). After sequencing, the amplified fragment (470 bp) was first subcloned in pcDNA3 (Invitrogen), then inserted under the CMV promoter into the AdEasy-1/Shuttle backbone, similar to our previous construction of adenoviral vectors.[7-9] Antisense miR-320 adenovirus (named as Ad.asmiR320) was generated by cloning the miR-320 primary DNA in the reverse orientation relative to the CMV promoter. The recombinant viruses were amplified in HEK 293 cells, prepared as high-titer stocks and further purified by CsCl banding. Viral particle titration was performed by using plaque assay. Briefly, multiple dilutions of virus were plated out with proper amount of 293 cells. When there were individual plaques observed and evenly distributed, the individual plaque number was counted and the plaque forming units per mL (pfu) were obtained by multiplying the count by the dilution factor.

Preparation and Infection of Adult Rat Cardiomyocytes

Adult rat ventricular myocytes were obtained from Langendorff-perfused hearts of 2-month-old male Sprague-Dawley rats (Harlan Laboratory) at 37°C, as described before.[7, 8] Briefly, rats were anesthetized with sodium pentobarbital (50mg/kg IP) and heparinized (10,000U/kg IP). The hearts were perfused with modified Krebs-Henseleit buffer (KHB) (in mmol/L: NaCl: 118, KCl: 4.8, HEPES: 25, K_2PO_4: 1.25, $MgSO_4$: 1.25, glucose: 11, taurine: 5 and BDM: 10, pH7.4) for 5 minutes. Hearts were then perfused with an enzyme solution, which contained 0.7mg/mL collagenase type II (263U/mg), 0.2mg/mL hyaluronidase, 0.1% BSA and 25µM Ca^{2+}, for 10 minutes. Subsequently, the Ca^{2+} concentration in the perfusion buffer was raised to 100µM, and perfusion continued for 5 additional minutes. Finally, ventricular tissue was excised, minced, pipette-dissociated, and filtered through a 240-µm screen. Cells were harvested and resuspended in 1.8mM Ca^{2+}-KHB with 1% BSA, centrifuged briefly again, and resuspended in ACCT medium consisting of DMEM containing 2mg/mL BSA, 2mM L-carnitine, 5mM creatine, 5mM taurine, 100IU/mL penicillin, and 100ug/mL streptomycin. Cells were then counted and plated on laminin-coated glass coverslips or dishes. After 1-2 hours, the dishes were infected with adenoviruses in diluted media, at a multiplicity of infection of 500, for 2 hours before addition of suitable volume of culture media. Transfection efficiency, determined by GFP gene expression in the cultured cardiac myocytes under fluorescence microscopy, was nearly 100% after 48-h by this method. For detection of miR320 and Hsp20 expression, the cultured rat cardiomyocytes were harvested after 60-h of adenoviral infection.

Northern Blot Detection of miR-320 Expression

miR-320 expression was detected in 15 μg of total RNA from snap-frozen tissues and cardiac myocytes, which were loaded onto a precast 15% denaturing polyacrylamide gel (Bio-Rad, Hercules, CA). The RNA was then electrophoretically transferred to Bright-Star blotting membranes (Ambion, Inc.). Prehybridization and hybridization were performed in Ultrahyb Oligo solution (Ambion, Inc.), containing 10^6 cpm/ml probes, overnight at 37°C. The most stringent wash was with standard saline citrate (2×) and 1% sodium dodecyl sulfate at 37°C. U6 was used as a loading control to normalize expression levels. miR-320 probe sequence: 5'-TTCGCCCTCTCAACCCAGCTTTT-3'; U6 probe sequence: 5′-GCAGGGGCCATGCTAATCTTCTCTGTATCG-3′.

Simulated Ischemia/Reperfusion Treatment and Cell Survival Assay

After 60-h of infection, cardiomyocytes were cultured in ischemia buffer (1.13 mM $CaCl_2$, 5 mM KCl, 0.3 mM KH_2PO_4, 0.5 mM $MgCl_2$, 0.4 mM MgSO4, 128 mM NaCl, 4 mM $NaHCO_3$, 10 mM HEPES, pH 6.8), and placed into a hypoxic chamber (37°C, 1% O_2, 20% CO_2 and 79% N_2) for 1-h, followed by reperfusion for 3-h under normal culture conditions. We chose the simulated ischemia/reperfusion protocol instead to use hydrogen peroxide treatment, because it may mimic the conditions, occurred during ischemia/reperfusion-induced injury *in vivo*. In particular, the ischemic buffer was designed to reflect the ionic constituents and lack of glucose in the cell during ischemia. In addition, the cells were exposed to 1% O_2 and 20% CO_2 to mimic the hypoxic and hypercapnic conditions in the cell during ischemia. To initiate reperfusion, the ischemic buffer was replaced with normal media and returned to an incubator with normoxic conditions (21% O2, 5% CO2). Cardiomyocyte cell viability assessment was performed with the CellTiter 96 AQueous One Solution Cell Proliferation Assay Kit (Promega), per manufacturer's instructions. For apoptosis analysis, DNA fragmentation was determined by an ELISA kit

(Roche Applied Science, Indianapolis, IN). Cardiomyocytes were lysed by gently dispersing the pellet using a pipette tip that was cut back to prevent shearing of cells and release of nuclear DNA. The extract was then centrifuged at low speed and assayed according to the manufacturer's instructions. Fold increase was obtained by dividing the measured absorbance of an experimental group by the absorbance of the positive control, provided in the kit. *In situ* DNA fragmentation was assessed using the Hoechst staining kit (Invitrogen).

Generation of a miR-320 Transgenic Mouse Model

Transgenic (TG) mice (FVB/N) were constructed by using a 470 bp DNA fragment containing murine primary miR-320 DNA under the control of the α-myosin heavy chain promoter (α-MHCp). The following primer set was used to generate the murine primary miR-320.

Forward primer: 5' CAGAGTCGACTAGCTTTGGACTCCGTCAC-3';

Reverse primer: 5' GTCTAAGCTTCCACATACAGCAGGTAGGCGAC-3'.

The TG lines were screened by routine genotyping, performed by PCR with the use of an upper primer from the α-MHC promoter (5'-CACATAGAAGCCTAGCCCACAC-3') and a lower primer from the miR-320 DNA (5'-CCACATACAGCAGGTAGGCGAC-3') to amplify a 550-bp fragment spanning the junction between the α-MHC promoter and miR-320 DNA. The control PCR was set up to amplify a 350-bp fragment of TSH-β using an upstream primer: 5'-TCCTCAAAGATGCTCATTAG-3' and a downstream primer: 5'-GTAACTCACTCATGCAAAGT-3'. The expression levels of miR-320 were detected by Northern blot, as described in the Methods.

Global Ischemia *Ex Vivo* and Cardiac Injury Analysis

The cellular and functional responses to I/R were assessed in mice by using an isolated perfused heart model, as previously described.[10] Briefly, hearts from TG and WT mice were mounted on a Langendorff apparatus, and perfused with Krebs–Henseleit buffer. Temperature was maintained constant at 37 °C by water-jacketed glassware for a heart chamber, buffer reservoirs, and perfusion lines. In addition, an overhead light source was used to ensure maintenance of temperature during ischemia, which was monitored by a thermometer placed close to the perfused heart in the glass chamber. A water-filled balloon made of plastic film was inserted into the left ventricle and adjusted to achieve a left ventricular end-diastolic pressure (LVEDP) of 5 to 10 mmHg. The distal end of the catheter was connected to a Heart Performance Analyzer (Micro-Med) via a pressure transducer. Hearts were paced at 400 bpm except during ischemia, and pacing was re-initiated 2 min after reperfusion. After a 30-min equilibration period, hearts were subjected to 30 min of no-flow global ischemia, followed by 60 min of reperfusion. The LVEDP, left ventricular developed pressure (LVDP), maximum rate of contraction (+dP/dt), and maximum rate of relaxation (–dP/dt) were monitored during this process.

Cardiac injury was assessed by measuring lactate dehydrogenase (LDH) release. Perfusion effluent was collected every 10 minutes of pre-ischemia and also during reperfusion. Total LDH released from the heart was determined using an *in vitro* Toxicology Assay Kit (Sigma) and expressed as units per ml of wet heart weight (U/ml/g). PK/LDH enzyme (Sigma, #P-0294) was used as a standard control.

DNA fragmentation was measured in heart homogenates (100 µg from each heart) using the commercial assay kit Cell Death Detection ELISA^{PLUS} (Roche). Results were normalized to the standard provided in the kit and expressed as percentage of control.

In Vivo Administration of Antagomir-320

Chemically modified antisense oligonucleotides (antagomir) have been used to inhibit microRNA expression in vivo [11-14]. Antagomirs were synthesized by Dharmacon (www.dharmacon.com). Sequences are 5’-$\text{u}_s\text{c}_s$gcccucucaacccagc$\text{u}_s\text{u}_s\text{u}_s\text{u}_s$- Chol-3’ (antagomir-320), 5’-$\text{u}_s\text{c}_s$gcccucucaacc$\underline{\text{gcaga}_s\text{c}_s\text{c}_s}\text{u}_s$- Chol-3’ (antagomir-320-mutant as control). Lower case letters represent 2′-O-Methyl-modified oligonucleotides, subscript ‘s’ represents a phosphorothioate linkage, ‘Chol’ represents linked cholesterol, and underlined letters are mutated seed sequence. Antagomir oligonucleotides were deprotected, desalted and purified by high-performance liquid chromatography. FVB/N male mice (6-weeks old) received either antagomir-320 or mutant antagomir-320 at a dose of 80 mg/kg body weight or a comparable volume of saline (200 µl) through tail vein injection. Regional ischemia *in vivo* was performed at 3 days after treatment.

Western Blot Analysis

The protein samples were extracted from hearts or cultured cells, with the procedures as described in detail elsewhere.[15] Protein samples (10µg) were fractionated by SDS-PAGE. A primary antibody against Hsp20 (1:5000 dilution, Research Diagnostics Inc) was used; α-actin (1:1000 dilution, Sigma-Aldrich) or calsequestrin (CSQ, 1:4000 dilution, Affinity Bioreagents Inc) was performed as an internal control. Mouse wild-type pooled heart homogenates or cardiomyocyte lysates were used as a standard control on each gel, to assure that the immunoblot signal for each protein target was within the dynamic range of detection and that the signal saturation had not occurred. Each protein of interest to be quantitated, which is calculated from "a standard curve" generated from the densities of a serial of standard protein concentration (e.g. 5 μg, 10 μg, and 20 μg), then normalized to a loading control (e.g. α-actin, or CSQ).

GFP Repression Experiments

For GFP repression, a Hsp20 3'-UTR segment of 83 bp was amplified by PCR from mouse genomic DNA and inserted into the *Bam*HI-*Eco*RI cloning sites located 3' of the GFP encoding sequence of the QBI-GFP25 vector (Autofluorescent Proteins), as previously described.[16] H9c2 cells were co-transfected with the indicated miRNAs (100 nM) along with the construct expressing their putative target transcripts as indicated. Pictures were taken 48 h after transfection using a Zeiss microscope. The following primer set was used to generate Hsp20 3'-UTR fragment: forward, 5'- GTCT <u>GGATCC</u> AAC CTA GAC AGC CTC -3'; reverse, 5'- GACA <u>GAATTC</u> CTA GAG AGG TGT CCT G -3'; underlined sequences indicate the endonuclease restriction site.

Luciferase Reporter Assay for Targeting Hsp20 3'-UTRs

For luciferase reporter experiments, an Hsp20 3'-UTR segment of 84 bp was amplified by PCR from mouse genomic DNA and inserted into the pMIR-REPORT^{TM} luciferase miRNA expression reporter vector (Ambion, Inc.) at the *Spe*I and *Hind*III sites. The following set of primers were used to generate specific fragments: Hsp20-UTR forward, 5'- GACA <u>ACTAGT</u> AAC CTA GAC AGC CTC -3'; For mutated Hsp20-UTR, forward primer: 5'- GACA <u>ACTAGT</u> AAC CTA GAC AGC CTC CCT AAG CCC TCT CCgacacaaC -3' (lowercase bases constitute the mutated seed sequence of miR-320). Hsp20-UTR reverse, 5'- GACT <u>AAGCTT</u> C CTA

GAG AGG TGT CCT G -3'; underlined sequences indicate the endonuclease restriction site. HEK293 or H9c2 cells were cotransfected in 12-well plates using Lipofectamine 2000 reagent (Invitrogen) according to the protocol of the manufacturer, with 0.4 μg of the Hsp20-UTR luciferase reporter vector and 0.08 μg of the control vector pMIR-REPORT (Ambion, Inc.). For each well, 100 nM (final) precursor miR-320 or scrambled miRNA (Ambion, Austin, TX) was used. Cell lysates were prepared 72-h later, and luciferase activity was measured, using a Monolight 3010 luminometer (Pharmingen), and expressed as relative light units using a luciferase assay kit (Promega). β-galactosidase activity was measured with a commercially available kit (Promega). 3'UTR activity of each construct was expressed as the ratio of luciferase/β-galactosidase activity. All transfections were performed in triplicate from three independent experiments.

Statistical Analysis

All values are expressed as mean ± SEM. Student's *t*-test was used for two-group comparisons. Comparisons of parameters among 3 or more groups were analyzed by 1-way ANOVA for single factor, or 2-way ANOVA for two-factor variables with repeated measures, followed by Student's *t*-test with Bonferroni's correction for multiple-comparison. Differences were considered statistically significant at a value of $P<0.05$.

Supplemental Figures and Tables

Figure S1. Summary of miRNA Array on Expressed miRNAs in Wild-Type Murine Heart

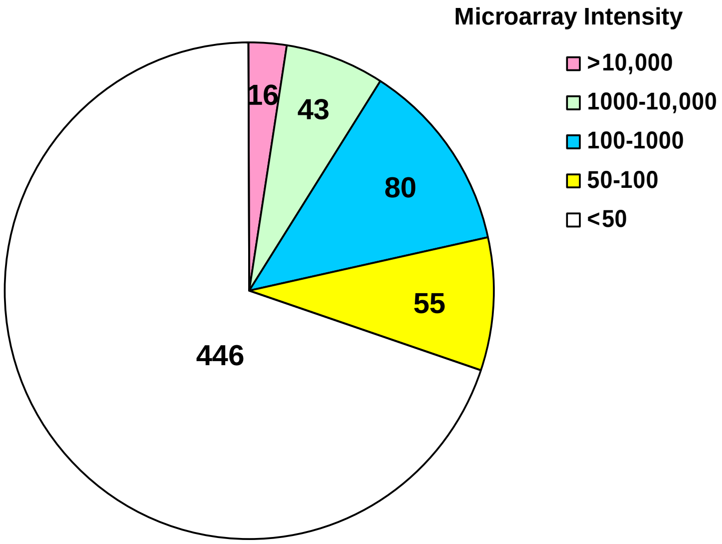

Table S1. miRNAs Highly Expressed in Normal Mouse Heart

MicroRNA	Averaged Microarray Intensity	MicroRNA	Averaged Microarray Intensity
let-7c	22484	miR-24	12412
let-7b	20762	miR-133b	11535
miR-126-3P	19254	miR-422b	11319
let-7a	14926	miR-1	11224
miR-23b	14153	Let-7d	11026
miR-29a	12943	miR-22	10712
miR-23a	12580	miR-16	10074
miR-133a	12469	miR-26a	10052

<u>Supplemental Table S2:</u> MicroRNA array raw data from the murine heart upon *in vivo* 30-min-ischemia followed by 24 h reperfusion (Labeled as IR) and *ex vivo* 45-min global no-flow ischemia followed by 2 h reperfusion (Labeled as I45R)

	Intensities averaged over probes				Average fold		p-values		false discovery rates		Std error (log2 scale)	
Name	IR	Sham	I45R	Con	IR/Sham	I45R/Con	pIR/Sham	pI45R/Con	fdrIR	fdrI45R	SE.IR	SE.I45R
ambi_miR_1006	16	13.7	3.5	6.26	1.20	NA	NA	NA	NA	NA	NA	NA
ambi_miR_10064	17.7	19.5	15.1	12	-1.06	1.34	0.68881	NA	0.92294	NA	0.473	NA
ambi_miR_10133	134	218	122	95.5	-1.58	1.38	0.04628	0.10902	0.45703	0.53707	0.332	0.218
ambi_miR_10202	8.1	6.15	8.44	7.71	NA	1.05	NA	NA	NA	NA	NA	NA
ambi_miR_10203	15.6	20.1	14.1	14.3	-2.09	1.06	0.03891	NA	0.43421	NA	0.440	NA
ambi_miR_10394	8.61	3.22	10.6	8.7	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_10411	11.1	8.6	6.84	7.45	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_10594	91.6	129	108	67.9	-1.38	1.54	0.02723	0.00075	0.36213	0.03886	0.256	0.200
ambi_miR_10617	87.8	107	52.8	48.1	-1.19	1.19	0.50248	0.08269	0.85276	0.50095	0.247	0.219
ambi_miR_10751	145	185	116	84.4	-1.43	1.34	0.04577	0.03050	0.45703	0.33941	0.228	0.199
ambi_miR_10766	51.1	47	38.2	32.9	1.06	1.08	0.89846	0.67227	0.98314	0.87158	0.288	0.257
ambi_miR_10769	5.9	4.16	5.76	4.85	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_10994	69.2	58.4	54.5	45	1.18	1.13	0.42243	0.27130	0.82429	0.63334	0.312	0.224
ambi_miR_11040	17.1	7.94	7.84	10.6	1.31	NA	NA	NA	NA	NA	NA	NA
ambi_miR_11143	17.4	10.3	8.41	11.2	1.26	NA	NA	NA	NA	NA	NA	NA
ambi_miR_11146	30	10.3	17.3	11.7	2.82	1.55	NA	NA	NA	NA	NA	NA
ambi_miR_11168	7.15	3.22	4.93	4.58	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_1137	9.54	3.62	2.74	8.08	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_11541	6.56	6.28	6.39	5.76	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_11576	12	13.7	7.25	9.63	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_11700	8.67	8.84	7.36	8.78	-2.01	-1.20	NA	NA	NA	NA	NA	NA
ambi_miR_11786	8.91	5.51	5.42	5.74	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_11835	16.9	8.78	15.6	8.4	NA	1.39	NA	NA	NA	NA	NA	NA
ambi_miR_12061	65.7	59.9	58.9	45.6	1.07	1.22	0.87161	0.32507	0.97464	0.67215	0.285	0.227
ambi_miR_12110	8.36	6.27	7.56	5.08	NA	2.25	NA	NA	NA	NA	NA	NA
ambi_miR_12152	15.3	6.63	7.69	9.23	1.53	1.44	NA	NA	NA	NA	NA	NA
ambi_miR_12180	19.4	10.9	11.8	7.39	2.24	1.52	NA	NA	NA	NA	NA	NA
ambi_miR_12314	6.19	4.52	3.67	4.02	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_12628	16.3	4.23	6.61	7.94	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_1265	76.4	117	61	51.6	-1.50	1.28	0.05648	0.08753	0.49151	0.50484	0.260	0.221
ambi_miR_12897	91.4	128	64.8	54.7	-1.41	1.18	0.36847	0.31335	0.81606	0.66752	0.254	0.211
ambi_miR_12902	4.8	4.97	4	3.41	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_12969	6.86	2.73	4.01	7.07	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_13090	32.4	29.4	10.9	16	1.07	1.07	0.48210	NA	0.84737	NA	0.323	NA
ambi_miR_13100	25.6	32.3	18.2	18.6	-1.30	1.06	0.52875	0.56146	0.86470	0.83904	0.357	0.295
ambi_miR_13118	5.73	3.48	5.8	4.77	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_13124	16.1	15.4	12.4	11.3	-1.28	1.12	NA	NA	NA	NA	NA	NA
ambi_miR_13143	5.59	10.4	5.5	4.19	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_13145	10.5	6.1	4.91	3.49	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_13156	21.9	28.3	16.5	17.2	-1.24	-1.10	0.97179	0.63911	0.99699	0.86497	0.389	0.357
ambi_miR_13178	55.2	71	46.9	38.9	-1.26	1.25	0.48881	0.60595	0.85202	0.85977	0.274	0.228
ambi_miR_13182	5.53	6.18	6.81	6.11	NA	3.05	NA	NA	NA	NA	NA	NA
ambi_miR_13190	17.5	19	10.8	10.2	-1.41	1.43	NA	NA	NA	NA	NA	NA

ambi_miR_13193	1076	868	474	422	1.20	1.03	0.33843	0.80727	0.80962	0.92015	0.241	0.155
ambi_miR_13196	5.28	3.08	2.45	3.23	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_13197	13.3	8.82	7.28	8.66	-1.23	NA	NA	NA	NA	NA	NA	NA
ambi_miR_13203	6.11	6.19	8.49	5.58	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_13205	843	916	375	379	-1.10	-1.05	0.67481	0.68485	0.91902	0.88051	0.248	0.154
ambi_miR_13209	9.47	3.8	5.35	4.18	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_13232	4451	2824	3251	1202	1.28	2.50	0.12117	0.00001	0.60195	0.00251	0.277	0.190
ambi_miR_13237	9.75	2.4	8.27	4.68	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_13255	27.9	19.9	5.99	9.91	1.28	-2.07	NA	NA	NA	NA	NA	NA
ambi_miR_13258	58.5	57.8	29.5	38.9	1.07	-1.31	0.55914	0.00806	0.87869	0.16872	0.400	0.270
ambi_miR_13259	13.8	7.95	7.31	7.58	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_13260	8.88	5.5	3.91	3.93	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_13266	8.08	9	3.36	5.48	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_13268	565	662	220	250	-1.19	-1.15	0.14411	0.39706	0.63364	0.72546	0.243	0.183
ambi_miR_14	16.3	20.2	5.5	9.77	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_14204	15.2	15.9	7	8.49	-1.02	NA	0.75768	NA	0.94768	NA	0.473	NA
ambi_miR_1481	23.8	23	26.3	21	1.02	1.24	0.51431	0.25946	0.86192	0.63284	0.435	0.359
ambi_miR_16	72.4	104	49	51.1	-1.40	1.05	0.30236	0.19114	0.80227	0.60917	0.261	0.230
ambi_miR_2537	7.72	4.59	5.73	5.78	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_2660	7.21	5.12	4.28	4.86	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_279	4.87	3.11	5.92	4.5	NA	-2.06	NA	NA	NA	NA	NA	NA
ambi_miR_2825	9.73	5.52	3.4	5.28	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_2837	7.42	2.88	3.98	2.94	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_3046	6.36	3.13	7.64	4.33	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_3121	7.17	8.09	4.25	2.61	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_3135	10.1	12.4	5.04	8.05	NA	2.19	NA	NA	NA	NA	NA	NA
ambi_miR_358	9.99	3.84	3.62	5.16	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_371	17.8	17.5	13.7	16.8	-1.02	1.13	0.77682	0.69785	0.95626	0.88138	0.454	0.447
ambi_miR_3898	13.2	11.3	13	13.4	1.23	1.23	NA	0.69175	NA	0.88138	NA	0.695
ambi_miR_3998	7699	7782	3440	3131	-1.11	1.04	0.83964	0.02022	0.97138	0.29240	0.306	0.185
ambi_miR_408	9.76	4.23	2.58	4.24	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_4209	39.2	42.7	24	19.1	-1.20	1.19	0.96674	0.18095	0.99699	0.60917	0.317	0.510
ambi_miR_4400	7.62	6.75	4.24	5.49	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_444	23.4	17.5	14.5	13.5	1.31	1.36	0.38878	NA	0.81606	NA	0.457	NA
ambi_miR_4482	11.8	3.65	3.33	4.17	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_4517	17.2	28.9	20.2	15.9	-2.24	1.20	0.07624	NA	0.53269	NA	0.405	NA
ambi_miR_4622	9.76	9.24	4.76	5.67	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_4629	26.3	25	28.6	25	-1.03	1.09	0.45763	0.96516	0.84119	0.98342	0.433	0.297
ambi_miR_48	21.9	33.9	14.3	12.4	-1.25	1.19	0.10565	NA	0.57529	NA	0.529	NA
ambi_miR_4944	6.49	3.78	6.35	3.59	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_4983	46.3	41.3	36.9	37.7	1.25	-1.02	0.85058	0.58211	0.97359	0.84782	0.270	0.263
ambi_miR_5	11.1	2.88	6.15	3.52	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_5021	7.21	5	4.16	3.44	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_5074	39.9	49.3	29.3	24.4	-1.18	1.25	0.95893	0.17893	0.99699	0.60917	0.273	0.302
ambi_miR_562	55.3	52	27.4	30.7	-1.06	-1.27	0.66825	0.38055	0.91760	0.71304	0.271	0.303
ambi_miR_5723	6.55	5.31	6.16	4.47	NA	7.39	NA	NA	NA	NA	NA	NA
ambi_miR_5856	5.74	8.19	8	9.3	NA	1.83	NA	NA	NA	NA	NA	NA
ambi_miR_5893	9.57	9.83	7.5	6.15	-2.28	NA	NA	NA	NA	NA	NA	NA
ambi_miR_6058	10.2	5.59	5.37	5.5	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_6117	35	25.6	22.6	17.4	1.26	1.35	0.26716	0.22310	0.76980	0.61003	0.375	0.445

ambi_miR_6374	14.9	12.9	12.4	4.39	-1.33	NA	NA	NA	NA	NA	NA	NA
ambi_miR_6775	17.6	18.8	14.2	12.9	-1.05	1.07	0.96939	NA	0.99699	NA	0.428	NA
ambi_miR_685	24.7	17.1	14	14.7	1.24	1.02	NA	NA	NA	NA	NA	NA
ambi_miR_693	41.6	40	42.2	30.4	-1.08	1.33	0.22520	0.22471	0.73237	0.61008	0.278	0.259
ambi_miR_7026	7.29	5.71	2.58	4.29	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7027	18.6	12.3	7.02	4.83	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7029	4655	5094	91.7	149	-1.01	-1.66	0.46616	0.00225	0.84551	0.07221	0.292	0.214
ambi_miR_7036	30.3	30.3	12.4	17.7	1.14	-1.12	0.60547	NA	0.90548	NA	0.350	NA
ambi_miR_7038_1	10.1	5.03	3.6	3.97	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7039	8.95	4.83	3.32	3.96	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7054	4.1	4.21	2.92	3.86	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7055	11.1	7.67	6.86	5.92	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7058	129	162	93.6	84.8	-1.05	1.13	0.11101	0.09258	0.58566	0.52267	0.224	0.216
ambi_miR_7059_1	10.5	9.03	5.19	5.79	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7062	26.1	17.4	11.6	12	1.77	1.23	0.94309	NA	0.99060	NA	0.431	NA
ambi_miR_7067	10.2	4.34	3.56	6.53	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7068_1	8.06	5.54	5.22	5.37	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7070	8.19	11.1	4.62	3.71	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7074	8.38	5.21	7.71	4.31	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7075	91.2	84.6	37.9	49.3	1.05	-1.27	0.99388	0.04783	0.99702	0.40188	0.255	0.248
ambi_miR_7080	25	20.8	6.99	7.95	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7081	64.7	59.7	21.9	54.4	1.11	-2.17	0.36409	0.00206	0.81606	0.07221	0.279	0.245
ambi_miR_7083	55.5	53.6	24.5	29.3	-1.07	-1.32	0.32702	0.80372	0.80818	0.92015	0.311	0.508
ambi_miR_7084	6.41	6.6	3.88	6.6	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7085	116	105	44.9	59.2	1.05	-1.33	0.77260	0.18038	0.95495	0.60917	0.267	0.241
ambi_miR_7086	10.3	9.35	4.52	4.09	-1.27	NA	0.52577	NA	0.86468	NA	0.519	NA
ambi_miR_7089	64.3	74.6	67.2	48.2	-1.20	1.37	0.44170	0.03825	0.83800	0.36643	0.278	0.230
ambi_miR_7095	6.48	2.6	4.85	4.25	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7097	12.8	7	4.21	5.27	-1.56	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7098	5.78	3.8	4.97	3.93	2.19	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7100	22.2	16	5.59	7.07	1.60	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7101	9.6	9.69	3.14	5.01	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7103	22.7	29.9	14.1	10.9	-1.59	1.08	0.24734	0.79779	0.74991	0.92015	0.437	0.959
ambi_miR_7105	65.6	75	39.8	54.5	1.08	-1.17	0.09408	0.75576	0.55387	0.90302	0.288	0.222
ambi_miR_7317	23.4	37.7	9.68	13.8	-1.90	1.39	0.05463	NA	0.49151	NA	0.355	NA
ambi_miR_7425	92.8	164	73.3	64.9	-1.77	1.19	0.00400	0.79027	0.15403	0.91985	0.255	0.219
ambi_miR_7510	7.78	10.7	8.32	7.9	-2.15	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7912	10.9	5.43	2.98	4.38	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_7920	7.94	4.22	4.91	4.49	-1.74	NA	NA	NA	NA	NA	NA	NA
ambi_miR_801	12.9	13.9	6.85	6.2	NA	3.05	NA	NA	NA	NA	NA	NA
ambi_miR_8027	20.5	23.4	22.3	19.5	-1.31	1.02	0.53859	0.86094	0.86694	0.94121	0.420	0.412
ambi_miR_8370	8.56	6.43	5.87	6.28	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_8396	21.1	5.61	9.94	4.65	NA	1.82	NA	NA	NA	NA	NA	NA
ambi_miR_8488	388	540	434	240	-1.38	1.96	0.07740	0.00046	0.53269	0.03066	0.293	0.224
ambi_miR_8518	33.2	55.9	21.2	30.5	-1.61	-1.38	0.00243	0.61495	0.11898	0.86289	0.312	0.337
ambi_miR_8656	39.4	40.4	56.5	41.9	1.10	1.82	0.43401	0.00378	0.83423	0.09839	0.274	0.238
ambi_miR_8684	22.9	27	23.5	21.3	-1.28	1.15	0.82901	0.62600	0.97088	0.86330	0.419	0.362
ambi_miR_8819	42.3	47.8	27.8	25.4	-1.05	1.14	0.84237	0.47350	0.97165	0.78207	0.298	0.373
ambi_miR_8870	7.77	6.9	7.1	6.85	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_9125	54.7	68.4	47.6	39.8	-1.31	1.22	0.08691	0.05186	0.53791	0.40990	0.294	0.226

ambi_miR_9134	8.59	5.88	3.24	4.62	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_917	8.97	6.09	3.53	4.49	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_9451	161	232	99.9	92.1	-1.48	1.16	0.06211	0.25006	0.51104	0.63100	0.280	0.200
ambi_miR_9508	70.8	96.5	61.4	46.5	-1.34	1.41	0.10020	0.03523	0.56901	0.35468	0.308	0.221
ambi_miR_9534	24.3	23.4	23.5	17.9	1.11	1.70	0.84348	0.00340	0.97165	0.09324	0.483	0.407
ambi_miR_9565	14.8	3.51	5.32	4.12	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_9630	14.8	8.99	6.06	4.84	NA	NA	NA	NA	NA	NA	NA	NA
ambi_miR_9638	22.3	28.1	28.3	21.6	-1.31	1.34	0.01609	0.25153	0.30814	0.63100	0.393	0.350
ambi_miR_9651	101	32.6	33	20.8	2.72	1.43	0.00622	0.02766	0.05204	0.33710	0.312	0.290
ambi_miR_9873	20.7	35.8	12.6	15.3	-2.02	-1.28	0.04592	0.92752	0.45703	0.96689	0.396	0.617
ambi_miR_9881	11.2	5.08	6.55	6.68	NA	-1.49	NA	NA	NA	NA	NA	NA
hsa_let_7a	####	####	8222	9875	-1.39	-1.11	0.27895	0.31330	0.77801	0.66752	0.355	0.139
hsa_let_7b	####	####	####	####	-1.68	1.06	0.39769	0.83808	0.81772	0.93326	0.561	0.131
hsa_let_7c	####	####	####	####	-1.19	-1.05	0.94051	0.56728	0.98952	0.84419	0.370	0.131
hsa_let_7d	####	####	9401	9121	-1.09	1.09	0.71791	0.25370	0.93193	0.63100	0.378	0.135
hsa_let_7e	2025	2512	976	1166	-1.09	-1.07	0.77783	0.13798	0.95626	0.57286	0.277	0.135
hsa_let_7f	8764	####	3372	4188	-1.05	-1.09	0.50263	0.41224	0.85276	0.73868	0.314	0.141
hsa_let_7g	6887	8906	3667	3884	-1.18	-1.02	0.53771	0.47909	0.86687	0.78682	0.346	0.141
hsa_let_7i	6962	8456	3431	3989	-1.12	-1.05	0.93268	0.13137	0.98453	0.57286	0.312	0.148
hsa_miR_1	####	####	7818	9346	-1.11	-1.11	0.89105	0.30233	0.98217	0.65702	0.329	0.135
hsa_miR_100	3504	3030	1445	1418	1.09	-1.04	0.73710	0.57614	0.94049	0.84782	0.273	0.137
hsa_miR_101	131	124	42.5	55.5	1.05	-1.33	0.30480	0.00563	0.80227	0.13062	0.220	0.220
hsa_miR_103	3510	2856	1265	1280	1.09	-1.12	0.54053	0.25973	0.86694	0.63284	0.307	0.137
hsa_miR_105	5.39	1.92	5.93	5.05	NA	2.12	NA	NA	NA	NA	NA	NA
hsa_miR_106a	761	716	206	295	1.28	-1.25	0.01081	0.08240	0.27507	0.50095	0.252	0.175
hsa_miR_106b	392	603	185	228	-1.24	-1.12	0.30329	0.24468	0.80227	0.63100	0.259	0.271
hsa_miR_107	3480	2872	1305	1344	1.08	-1.15	0.81373	0.05027	0.96748	0.40727	0.280	0.137
hsa_miR_10a	797	911	316	369	-1.06	-1.03	0.40486	0.63301	0.81772	0.86330	0.240	0.170
hsa_miR_10b	180	228	98.1	104	-1.21	1.07	0.44705	0.31543	0.83800	0.66779	0.236	0.204
hsa_miR_122a	39.1	64.2	28.3	32.4	-1.53	-1.08	0.06078	0.59671	0.50859	0.85412	0.270	0.267
hsa_miR_124a	17	18.4	4.62	4.66	1.02	NA	NA	NA	NA	NA	NA	NA
hsa_miR_125a	2229	2094	1043	920	-1.06	1.04	0.85822	0.69834	0.97422	0.88138	0.277	0.142
hsa_miR_125b	####	####	4904	4270	1.05	1.02	0.94945	0.88708	0.99481	0.95511	0.318	0.137
hsa_miR_126	####	####	####	####	-1.02	1.26	0.34389	0.00484	0.81142	0.11748	0.350	0.142
hsa_miR_126_AS	1429	1520	476	471	1.01	1.12	0.81447	0.01168	0.96748	0.20777	0.268	0.148
hsa_miR_127	26.5	31	11.9	13.9	-1.15	-1.01	0.18802	0.71935	0.67910	0.89010	0.423	0.602
hsa_miR_128a	768	577	226	255	1.21	-1.16	0.35737	0.49655	0.81606	0.79681	0.259	0.179
hsa_miR_128b	704	557	216	231	1.14	-1.15	0.50616	0.21845	0.85276	0.61003	0.277	0.183
hsa_miR_129	25.1	34.5	6.58	8.32	-2.04	NA	NA	NA	NA	NA	NA	NA
hsa_miR_130a	2489	3258	1175	1396	-1.28	-1.11	0.17986	0.30011	0.66751	0.65702	0.302	0.166
hsa_miR_130b	101	144	37	59	-1.24	-1.48	0.24322	0.25477	0.74910	0.63128	0.223	0.240
hsa_miR_132	370	272	168	124	1.25	1.25	0.36424	0.24761	0.81606	0.63100	0.282	0.216
hsa_miR_133a	####	####	9408	9545	-1.07	1.03	0.41133	0.64062	0.81772	0.86497	0.325	0.141
hsa_miR_133b	####	####	9276	8625	-1.12	1.04	0.81269	0.23145	0.96748	0.61740	0.391	0.145
hsa_miR_134	30.6	40.1	17.9	18.7	-1.18	-1.02	0.49528	0.83904	0.85276	0.93326	0.277	0.296
hsa_miR_135a	4.68	5.99	3.28	6.34	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_135b	8.36	3.54	5.28	4.95	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_136	22.7	17.4	17.4	20.6	1.36	-1.09	0.49350	0.98189	0.85276	0.98838	0.482	0.408
hsa_miR_137	11.2	11.7	7.21	7.11	-3.82	-2.26	NA	NA	NA	NA	NA	NA
hsa_miR_138	70.5	61.1	28.8	30.1	1.14	-1.11	0.75207	0.79498	0.94768	0.92015	0.276	0.308

hsa_miR_139	499	378	184	176	1.19	1.01	0.32063	0.66136	0.80283	0.87126	0.254	0.201
hsa_miR_140	198	175	77.9	106	1.21	-1.35	0.81397	0.13371	0.96748	0.57286	0.291	0.197
hsa_miR_141	21.2	14.5	6.71	3.06	-1.08	NA	0.68376	NA	0.92294	NA	0.406	NA
hsa_miR_142_3p	24.3	33.7	11.1	14	-1.15	1.20	0.76902	NA	0.95185	NA	0.466	NA
hsa_miR_142_5p	82.4	74	30.3	35.8	-1.07	-1.18	0.38779	0.23934	0.81606	0.62947	0.243	0.254
hsa_miR_143	3983	6546	3043	3126	-1.40	1.14	0.15167	0.03325	0.63882	0.34591	0.284	0.150
hsa_miR_144	13.4	11.1	13.1	6.65	NA	1.34	NA	NA	NA	NA	NA	NA
hsa_miR_145	####	####	6227	6054	1.17	-1.00	0.69874	0.50027	0.92294	0.79777	0.325	0.137
hsa_miR_146a	907	1198	483	502	-1.16	1.05	0.33888	0.27245	0.80962	0.63334	0.342	0.152
hsa_miR_146b	353	135	55.6	72.2	2.64	-1.21	0.00032	0.18258	0.04274	0.60917	0.238	0.226
hsa_miR_147	7.93	4.51	4.74	7.23	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_148a	1348	1087	469	481	1.14	-1.09	0.82811	0.17130	0.97088	0.60917	0.342	0.141
hsa_miR_148b	105	86.2	46.6	46.7	1.08	-1.11	0.43025	0.53277	0.83254	0.81662	0.245	0.226
hsa_miR_149	864	724	359	335	1.13	1.01	0.54762	0.75198	0.87307	0.90115	0.239	0.152
hsa_miR_150	1104	901	419	365	1.12	1.05	0.42957	0.64140	0.83254	0.86497	0.243	0.148
hsa_miR_151	63	64.5	34.8	39.9	-1.01	-1.19	0.60511	0.77156	0.90548	0.91169	0.309	0.251
hsa_miR_152	1293	992	486	463	1.17	-1.03	0.38241	0.99269	0.81606	0.99533	0.282	0.139
hsa_miR_153	22.9	17.6	6.75	10.9	1.15	NA	NA	NA	NA	NA	NA	NA
hsa_miR_154	36.1	37.2	19.2	20.3	1.11	-1.00	0.83047	NA	0.97088	NA	0.280	NA
hsa_miR_154_AS	9.89	3.82	8.77	4.39	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_155	91.4	68.8	31.6	43.4	1.68	-1.27	0.19748	0.16842	0.69449	0.60781	0.424	0.250
hsa_miR_15a	1360	1550	554	621	-1.09	-1.02	0.31081	0.58515	0.80227	0.84782	0.251	0.137
hsa_miR_15b	1280	941	393	365	1.20	1.01	0.38757	0.84443	0.81606	0.93359	0.260	0.151
hsa_miR_16	####	####	6715	6535	1.15	1.04	0.92037	0.46556	0.98314	0.77860	0.324	0.144
hsa_miR_17_3p	55.9	44.8	16	24.6	1.35	-1.61	0.52751	0.12342	0.86468	0.56533	0.275	0.300
hsa_miR_17_5p	451	402	137	165	1.20	-1.11	0.99865	0.38728	0.99865	0.71865	0.242	0.222
hsa_miR_181a	3119	4036	1706	1626	-1.28	1.05	0.39654	0.64342	0.81772	0.86574	0.276	0.159
hsa_miR_181b	777	852	469	467	-1.15	-1.08	0.37865	0.30124	0.81606	0.65702	0.239	0.143
hsa_miR_181c	297	318	116	145	-1.04	-1.18	0.79618	0.40041	0.96452	0.72853	0.238	0.207
hsa_miR_181d	303	367	166	184	-1.10	-1.12	0.89813	0.29633	0.98314	0.65691	0.255	0.199
hsa_miR_182	13.7	12.2	5.65	11.2	-1.08	1.72	NA	NA	NA	NA	NA	NA
hsa_miR_182_AS	8.82	6.1	8.63	3.91	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_183	5.25	10.5	3.37	7.44	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_184	25.5	35.2	9.65	16.7	-1.32	1.02	0.80913	0.40502	0.96748	0.73247	0.421	0.617
hsa_miR_185	1670	2307	878	970	-1.23	-1.04	0.62192	0.25715	0.91139	0.63280	0.264	0.140
hsa_miR_186	67.2	69.3	18.6	38.8	1.10	-1.79	0.91553	0.07102	0.98314	0.48329	0.268	0.263
hsa_miR_187	100	103	69.1	61.8	-1.05	1.08	0.21436	0.97183	0.71191	0.98569	0.303	0.244
hsa_miR_188	57.2	64.2	23.1	26.2	-1.32	-1.19	0.06596	0.62200	0.51758	0.86330	0.287	0.329
hsa_miR_189	212	197	68.7	84.1	1.03	-1.23	0.71886	0.14221	0.93211	0.57499	0.233	0.243
hsa_miR_18a	88.4	73.4	24.6	29.8	1.30	-1.21	0.86059	0.66243	0.97422	0.87126	0.384	0.346
hsa_miR_18a_AS	22.2	14.6	7.78	7.27	1.32	NA	NA	NA	NA	NA	NA	NA
hsa_miR_18b	35.3	30.6	9.66	14.5	1.35	-1.04	0.06495	NA	0.51758	NA	0.313	NA
hsa_miR_190	11.2	6.12	2.14	5.6	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_191	5772	4262	2045	1798	1.22	1.03	0.36493	0.85920	0.81606	0.94080	0.300	0.139
hsa_miR_191_AS	14.7	16.9	14.6	15.9	-1.17	-1.33	NA	0.47862	NA	0.78682	NA	0.648
hsa_miR_192	197	170	95.7	93	1.12	-1.01	0.34756	0.93287	0.81142	0.96704	0.233	0.196
hsa_miR_193a	14.7	14.5	4.41	5.95	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_193b	78.7	62.8	34.4	36.2	1.23	-1.08	0.22264	0.79228	0.72801	0.92015	0.283	0.237
hsa_miR_194	340	312	186	161	-1.01	1.09	0.91170	0.39300	0.98314	0.72050	0.244	0.202
hsa_miR_195	3698	3118	1629	1475	1.16	1.05	0.44157	0.84279	0.83800	0.93359	0.285	0.137

hsa_miR_196a	6.52	1.56	3.82	2.65	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_196b	12.2	4.2	6.55	4.7	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_197	24.2	20.4	24.3	19	1.07	1.41	0.31848	0.45433	0.80283	0.77514	0.394	0.471
hsa_miR_198	75	122	51.7	50	-1.60	1.11	0.01197	0.58618	0.28186	0.84782	0.248	0.242
hsa_miR_199a	1765	1533	662	689	1.01	-1.07	0.92847	0.84600	0.98314	0.93359	0.250	0.139
hsa_miR_199a_AS	3964	3414	1559	1693	1.09	-1.09	0.69271	0.26761	0.92294	0.63334	0.285	0.137
hsa_miR_199b	81.4	73.1	22.4	35.5	1.11	-1.40	0.91836	0.29353	0.98314	0.65684	0.266	0.364
hsa_miR_19a	56.5	60.4	19.8	22.5	1.04	-1.15	0.66466	NA	0.91760	NA	0.310	NA
hsa_miR_19b	774	751	285	273	1.01	1.06	0.73744	0.46336	0.94049	0.77855	0.242	0.156
hsa_miR_200a	7.34	7.68	5.05	3.22	-1.53	NA	NA	NA	NA	NA	NA	NA
hsa_miR_200a_AS	7.45	5.59	7.11	3.91	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_200b	10.7	13.6	5.66	7.7	-1.32	NA	NA	NA	NA	NA	NA	NA
hsa_miR_200c	68.5	64.7	27.3	31.1	1.04	-1.14	0.46195	0.14366	0.84546	0.57845	0.288	0.270
hsa_miR_202	68.2	131	52.4	57.1	-1.81	1.04	0.00396	0.70260	0.15403	0.88138	0.235	0.238
hsa_miR_202_AS	5.62	4.76	3.01	7.09	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_203	151	144	70.7	81.7	1.05	-1.11	0.91220	0.19110	0.98314	0.60917	0.228	0.209
hsa_miR_204	220	202	90.8	107	1.08	-1.22	0.71181	0.12769	0.92738	0.56533	0.271	0.204
hsa_miR_205	9.42	5.7	3.75	7.41	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_206	100	105	18.9	36.4	1.10	-1.50	0.07701	0.30654	0.53269	0.65995	0.223	0.428
hsa_miR_208	78.1	99.9	27.2	41.4	-1.18	-1.47	0.06227	0.00987	0.51104	0.18477	0.261	0.271
hsa_miR_20a	163	188	45.7	70.1	1.08	-1.20	0.33633	0.09979	0.80962	0.52482	0.243	0.228
hsa_miR_20b	158	129	45.2	65.3	1.36	-1.32	0.38034	0.13522	0.81606	0.57286	0.249	0.233
hsa_miR_21	6436	2541	1303	1271	2.54	1.02	0.00099	0.95338	0.04137	0.97625	0.273	0.169
hsa_miR_210	254	205	102	107	1.17	-1.09	0.55170	0.78591	0.87307	0.91847	0.236	0.200
hsa_miR_211	5.36	4.02	7.8	4.56	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_212	34.3	24.6	17.6	13	1.33	1.13	0.24249	0.37334	0.74865	0.70928	0.388	0.292
hsa_miR_213	95.2	79	38.4	45.9	1.14	-1.33	0.63504	0.30073	0.91450	0.65702	0.267	0.289
hsa_miR_214	923	921	446	344	-1.13	1.15	0.61607	0.11397	0.91139	0.54560	0.242	0.157
hsa_miR_215	5.02	7	5.06	5.39	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_216	13.8	9.23	6.28	10.3	-1.01	-1.28	NA	NA	NA	NA	NA	NA
hsa_miR_217	4.99	5.6	4.16	4.17	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_218	85.9	74.3	33.6	42.7	1.20	-1.29	0.89614	0.34338	0.98314	0.69130	0.313	0.233
hsa_miR_219	14.3	6.03	5.71	3.37	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_22	####	####	8485	8580	-1.12	1.09	0.63428	0.20130	0.91450	0.60917	0.319	0.138
hsa_miR_220	10.4	4.41	5.61	5.38	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_221	2040	1622	825	821	1.19	-1.06	0.35675	0.49299	0.81606	0.79681	0.272	0.135
hsa_miR_222	754	561	284	278	1.23	-1.03	0.27952	0.58911	0.77801	0.84829	0.253	0.166
hsa_miR_223	701	429	189	236	1.73	-1.15	0.00216	0.15502	0.10966	0.59498	0.238	0.188
hsa_miR_224	32.6	20.5	12.1	17.4	1.42	-1.50	0.06212	NA	0.51104	NA	0.369	NA
hsa_miR_23a	####	####	9049	8512	1.36	-1.05	0.26342	0.62684	0.76850	0.86330	0.365	0.137
hsa_miR_23b	####	####	####	####	1.25	-1.04	0.23390	0.55116	0.73613	0.83143	0.353	0.148
hsa_miR_24	####	####	9166	8455	1.20	1.05	0.37812	0.19549	0.81606	0.60917	0.356	0.146
hsa_miR_25	968	806	321	336	1.17	-1.07	0.57761	0.83826	0.89274	0.93326	0.247	0.150
hsa_miR_26a	####	####	7069	7857	-1.22	-1.00	0.19880	0.99974	0.69469	0.99974	0.318	0.135
hsa_miR_26b	1522	1650	615	733	1.02	-1.13	0.82974	0.00407	0.97088	0.10330	0.253	0.138
hsa_miR_27a	3862	2885	1486	1319	1.18	1.04	0.51561	0.49045	0.86228	0.79409	0.274	0.138
hsa_miR_27b	####	8685	4166	4063	1.14	-1.09	0.21751	0.35782	0.71678	0.70632	0.331	0.141
hsa_miR_28	311	246	114	119	1.23	-1.14	0.15019	0.20973	0.63679	0.61003	0.238	0.211
hsa_miR_296	23.9	27.6	19.7	21.2	-1.25	-1.02	0.69861	0.63416	0.92294	0.86330	0.405	0.329
hsa_miR_299_3p	17.7	29	7.13	11	-2.02	-1.37	NA	NA	NA	NA	NA	NA

hsa_miR_299_5p	31.5	35.7	38.1	35.1	-1.03	1.32	0.77376	0.19187	0.95495	0.60917	0.302	0.243
hsa_miR_29a	####	####	8337	####	-1.12	-1.21	0.59678	0.13491	0.90290	0.57286	0.334	0.176
hsa_miR_29b	2000	2781	817	1159	-1.23	-1.25	0.31431	0.20130	0.80227	0.60917	0.321	0.136
hsa_miR_29c	3170	3956	1211	1410	-1.15	-1.10	0.75388	0.81699	0.94768	0.92540	0.323	0.141
hsa_miR_301	75.3	61.9	25.6	38.8	1.21	-1.54	0.91234	0.02791	0.98314	0.33710	0.248	0.266
hsa_miR_302a	4.78	5.52	8.08	7.43	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_302a_AS	5.05	4.29	7.95	7.57	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_302b	8.6	11.6	3.56	4.09	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_302b_AS	7.22	5.67	7.04	6.41	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_302c	6.11	3.74	4.45	3.45	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_302c_AS	18.1	27.4	13.5	13.9	-1.86	1.01	NA	NA	NA	NA	NA	NA
hsa_miR_302d	4.81	4.76	5.26	4.69	-1.11	NA	NA	NA	NA	NA	NA	NA
hsa_miR_30a_3p	137	107	73.2	76.9	1.22	-1.13	0.77644	0.74365	0.95626	0.90115	0.238	0.198
hsa_miR_30a_5p	####	####	5907	6121	-1.17	-1.01	0.21006	0.72134	0.70415	0.89010	0.326	0.137
hsa_miR_30b	4789	3241	1815	1882	1.42	-1.07	0.14745	0.35760	0.63364	0.70632	0.272	0.137
hsa_miR_30c	####	8594	4820	4773	1.25	-1.02	0.49099	0.96082	0.85202	0.98125	0.316	0.138
hsa_miR_30d	8924	####	4924	4734	-1.14	1.05	0.48956	0.84371	0.85202	0.93359	0.314	0.145
hsa_miR_30e_3p	209	207	108	131	1.01	-1.22	0.85149	0.07359	0.97359	0.48471	0.258	0.205
hsa_miR_30e_5p	####	9493	4760	4399	1.11	1.08	0.49097	0.06195	0.85202	0.45276	0.314	0.138
hsa_miR_31	330	419	202	226	-1.19	-1.06	0.61899	0.70399	0.91139	0.88138	0.250	0.185
hsa_miR_32	3.13	6.64	4.66	3.37	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_320	1039	1814	743	1107	-1.84	-1.46	0.00492	0.00375	0.04274	0.09839	0.256	0.134
hsa_miR_323	9.74	4.67	5.31	5.24	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_324_3p	49.2	44.5	35.7	31	1.08	1.18	0.79050	0.63783	0.95854	0.86497	0.281	0.264
hsa_miR_324_5p	33.1	41.4	29.7	24.4	-1.27	1.22	0.80511	0.99046	0.96748	0.99511	0.329	0.289
hsa_miR_325	8.78	11	2.63	7.19	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_326	23.6	27.3	29.6	20.4	-1.12	1.57	0.46662	0.25708	0.84551	0.63280	0.433	0.319
hsa_miR_328	36.9	39.9	28.4	26.5	-1.19	1.02	0.68984	0.81070	0.92294	0.92150	0.279	0.283
hsa_miR_329	7.06	6.14	4.11	5.55	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_33	16.8	17.9	13.3	13.7	NA	-1.74	NA	NA	NA	NA	NA	NA
hsa_miR_330	10.3	6.16	5.64	5.46	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_331	95.3	101	36.4	46.1	-1.12	-1.37	0.17871	0.05413	0.66751	0.41678	0.275	0.230
hsa_miR_335	209	205	61.5	84.3	1.14	-1.22	0.88696	0.24046	0.97936	0.62947	0.268	0.246
hsa_miR_337	22.8	21.6	9.75	12.9	1.10	1.12	NA	NA	NA	NA	NA	NA
hsa_miR_338	23.7	25.6	8.26	16.8	1.19	-2.20	0.08897	NA	0.53791	NA	0.419	NA
hsa_miR_339	118	92.1	41.8	47.2	1.27	-1.18	0.08779	0.16942	0.53791	0.60865	0.238	0.228
hsa_miR_340	35.4	27.4	11.6	10.2	1.29	1.14	0.34675	NA	0.81142	NA	0.321	NA
hsa_miR_342	1165	962	512	491	1.15	1.06	0.26011	0.30881	0.76411	0.66191	0.243	0.143
hsa_miR_345	49.7	44.1	27.9	34.9	1.14	-1.24	0.47744	0.32113	0.84660	0.67177	0.270	0.276
hsa_miR_346	44.8	22.8	21	16.1	1.82	1.22	0.06554	0.17154	0.51758	0.60917	0.296	0.551
hsa_miR_34a	307	401	125	164	-1.18	-1.15	0.19815	0.19827	0.69449	0.60917	0.238	0.222
hsa_miR_34b	29.6	30.7	9.98	20.5	1.08	-1.49	NA	NA	NA	NA	NA	NA
hsa_miR_34c	15.3	15.1	9.58	11.9	1.17	-1.07	0.44036	NA	0.83800	NA	0.422	NA
hsa_miR_361	382	341	156	166	1.15	-1.10	0.98903	0.80272	0.99702	0.92015	0.260	0.206
hsa_miR_362	64	66.4	33.8	41.5	-1.02	-1.23	0.68319	0.19475	0.92294	0.60917	0.265	0.234
hsa_miR_363	12.3	5.11	4.47	5.29	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_363_AS	22.2	27	12.3	13.9	-1.07	1.12	0.98103	NA	0.99699	NA	0.384	NA
hsa_miR_365	28.9	28.4	20.4	21.4	1.00	-1.00	0.94734	NA	0.99342	NA	0.333	NA
hsa_miR_367	13.6	10.7	6.31	4.19	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_368	9.06	6.43	4.71	5.45	-1.52	NA	NA	NA	NA	NA	NA	NA

hsa_miR_369_3p	10.7	5.53	4.06	4.03	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_369_5p	15.6	15.2	5.43	5.55	1.64	NA	NA	NA	NA	NA	NA	NA
hsa_miR_370	77.6	91.2	51.2	41.8	-1.23	1.20	0.20665	0.29006	0.70415	0.65579	0.261	0.231
hsa_miR_371	11.5	8.44	4.67	4.24	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_372	7.78	4.73	6.12	6.09	NA	2.13	NA	NA	NA	NA	NA	NA
hsa_miR_373	6.2	7.3	5.28	5.09	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_373_AS	56.5	78.5	88.2	41	-1.42	2.30	0.09041	0.00022	0.53991	0.02059	0.279	0.216
hsa_miR_374	9.09	3.4	4.77	4.03	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_375	8.27	2.95	7.29	6.03	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_376a	8.67	3.38	5.56	3.76	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_376a_AS	7.13	7.76	3.93	4.49	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_376b	9.7	4.87	6.26	3.74	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_377	18.3	11.7	5.5	5.53	1.08	NA	NA	NA	NA	NA	NA	NA
hsa_miR_378	969	995	525	450	-1.07	1.12	0.68295	0.17792	0.92294	0.60917	0.240	0.142
hsa_miR_379	63.3	80.8	25.7	43.1	-1.05	-1.52	0.36206	0.10440	0.81606	0.53557	0.282	0.265
hsa_miR_380_3p	12.7	6.37	5.11	3.59	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_380_5p	8.66	7.31	3.16	6.2	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_381	18.5	15.3	4.49	8.1	-1.51	NA	NA	NA	NA	NA	NA	NA
hsa_miR_382	23.3	21.3	8.16	15.2	1.25	-1.22	0.55185	NA	0.87307	NA	0.439	NA
hsa_miR_383	14.3	12	14.6	13.4	-1.70	-2.09	0.11853	NA	0.60065	NA	0.443	NA
hsa_miR_384	8.82	6.51	4.96	3.97	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_409_3p	18.3	20.4	12.3	15.3	-1.91	-1.68	NA	NA	NA	NA	NA	NA
hsa_miR_409_5p	14.9	13.4	10	10.8	1.19	NA	NA	NA	NA	NA	NA	NA
hsa_miR_410	8.01	7.39	5.34	5.89	-1.04	NA	NA	NA	NA	NA	NA	NA
hsa_miR_412	6.05	4.78	4.86	3.63	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_422a	7161	7082	3079	2714	-1.08	1.04	0.85895	0.72717	0.97422	0.89388	0.298	0.151
hsa_miR_422b	####	####	6767	5748	-1.25	1.16	0.45984	0.14076	0.84340	0.57499	0.333	0.150
hsa_miR_423	142	130	59.7	65.7	1.00	-1.19	0.82827	0.19084	0.97088	0.60917	0.225	0.219
hsa_miR_424	43.6	25.9	15.2	23.5	1.52	-1.25	NA	0.84333	NA	0.93359	NA	0.429
hsa_miR_425	75.7	73.7	34.9	38.7	-1.04	-1.29	0.92787	0.29995	0.98314	0.65702	0.269	0.246
hsa_miR_429	11.5	7.83	6.59	4.26	-1.18	NA	NA	NA	NA	NA	NA	NA
hsa_miR_431	14.3	8.64	4.77	6.07	-1.07	NA	NA	NA	NA	NA	NA	NA
hsa_miR_432	58.1	76.8	37.6	33.1	-1.34	1.23	0.31543	0.18928	0.80227	0.60917	0.277	0.240
hsa_miR_432_AS	10	4.67	3.26	5.59	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_433	7.21	7.38	5.05	5.62	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_448	8.73	8.91	11.5	10.3	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_449	11.7	4.7	5.62	5.1	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_450	10.8	9.85	10.1	10.7	-1.38	1.50	NA	NA	NA	NA	NA	NA
hsa_miR_451	5372	6336	93.7	161	-1.03	-1.76	0.31856	0.00063	0.80283	0.03742	0.289	0.207
hsa_miR_452	14.8	18.8	6.25	7.12	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_452_AS	6.04	7.05	3.28	2.57	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_453	34.8	60.6	34.8	33.9	-1.45	1.16	0.91359	0.64886	0.98314	0.86792	0.287	0.260
hsa_miR_455	24.7	22.2	9.51	12	1.15	-1.31	NA	NA	NA	NA	NA	NA
hsa_miR_483	111	93.4	90	69.3	1.27	1.27	0.16057	0.32485	0.64433	0.67215	0.256	0.204
hsa_miR_484	118	98.8	45.1	45.6	1.14	-1.09	0.46645	0.20827	0.84551	0.61003	0.319	0.225
hsa_miR_485_3p	22.3	23.2	14.5	18	-1.23	-1.30	0.50072	0.50016	0.85276	0.79777	0.378	0.618
hsa_miR_485_5p	28.7	37.1	16	14.2	-1.26	1.26	0.51588	0.66631	0.86228	0.87126	0.320	0.584
hsa_miR_486	4225	4249	1856	1458	-1.23	1.05	0.12918	0.62788	0.62927	0.86330	0.302	0.148
hsa_miR_487a	14.2	12.3	6.58	7.86	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_487b	12.5	8.15	5.39	9.32	1.43	NA	NA	NA	NA	NA	NA	NA

hsa_miR_488	8.54	4.86	5.18	8.6	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_489	10.2	4.57	2.38	6.82	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_490	62.4	62.2	27.1	33.8	-1.02	-1.29	0.81997	0.26361	0.97014	0.63284	0.279	0.276
hsa_miR_491	246	71.1	50.8	53.1	3.76	1.05	0.00083	0.30453	0.04274	0.65909	0.362	0.270
hsa_miR_492	45.5	61.4	39.9	35	-1.41	1.19	0.17100	0.34209	0.66149	0.69000	0.273	0.249
hsa_miR_493_3p	10.5	12.2	9.65	7.29	1.52	NA	NA	NA	NA	NA	NA	NA
hsa_miR_493_5p	8.41	5.38	3.99	7.43	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_494	201	378	301	159	-1.75	2.16	0.10435	0.00097	0.57529	0.04509	0.395	0.275
hsa_miR_495	22.3	14.3	7.67	7.78	1.10	NA	NA	NA	NA	NA	NA	NA
hsa_miR_496	8.42	2.72	4.56	4.11	6.16	NA	NA	NA	NA	NA	NA	NA
hsa_miR_497	843	738	333	326	1.10	1.02	0.85266	0.80277	0.97359	0.92015	0.268	0.163
hsa_miR_498	13.4	10.8	14.2	13.4	-1.01	-1.10	NA	NA	NA	NA	NA	NA
hsa_miR_499	1897	2169	698	838	-1.06	-1.22	0.89472	0.11339	0.98314	0.54560	0.268	0.133
hsa_miR_500	130	163	56.4	68.6	-1.21	-1.25	0.83611	0.27601	0.97115	0.63607	0.225	0.213
hsa_miR_501	30.8	23.9	12.6	15.3	1.38	-1.32	0.63330	NA	0.91450	NA	0.344	NA
hsa_miR_502	17.4	20.5	12.8	10.1	-1.35	1.56	0.42003	NA	0.82429	NA	0.629	NA
hsa_miR_503	63.1	48.4	18.4	21.5	1.23	-1.19	0.18846	0.85160	0.67910	0.93624	0.291	0.580
hsa_miR_504	12.8	13.9	3.85	9.72	-1.75	NA	NA	NA	NA	NA	NA	NA
hsa_miR_505	7.36	5.25	5.21	7.41	NA	1.46	NA	NA	NA	NA	NA	NA
hsa_miR_506	13.9	14.8	5.53	5.89	1.04	NA	NA	NA	NA	NA	NA	NA
hsa_miR_507	18.2	9.17	4.84	6.02	NA	-1.67	NA	NA	NA	NA	NA	NA
hsa_miR_508	4.35	7.16	4.98	2.68	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_509	10.1	8.99	4.42	3.08	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_510	13.3	13	7.16	6.15	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_511	57	60.5	28.9	32.7	-1.13	-1.22	0.98759	0.11034	0.99699	0.53830	0.278	0.259
hsa_miR_512_3p	11	5.25	5.81	7.61	NA	-7.89	NA	NA	NA	NA	NA	NA
hsa_miR_512_5p	16.9	9.69	8.23	5.28	NA	1.73	NA	NA	NA	NA	NA	NA
hsa_miR_513	54.2	82.7	51.1	42.9	-1.36	1.38	0.57927	0.04653	0.89422	0.39727	0.326	0.221
hsa_miR_514	7.93	2.16	3.19	3.14	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_515_3p	8.01	6.87	4.58	7.43	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_515_5p	5.38	8.22	3.5	8.61	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_516_3p	9.27	7.4	6.27	7.21	NA	1.55	NA	NA	NA	NA	NA	NA
hsa_miR_516_5p	9.83	8.98	4.42	7.89	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_517_AS	16.6	14.3	7.92	7.68	NA	1.09	NA	NA	NA	NA	NA	NA
hsa_miR_517a	10.8	4.87	7.39	3.9	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_517b	5.6	2.84	6.84	4.25	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_517c	9.82	12.8	8.7	5.43	-4.57	NA	NA	NA	NA	NA	NA	NA
hsa_miR_518a	12.9	4.41	9.11	7	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_518a_2_AS	11.6	8.93	10.4	6.68	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_518b	14.1	12.4	8.92	10.2	-2.14	-1.60	NA	NA	NA	NA	NA	NA
hsa_miR_518c	8.34	8.83	8.2	3.74	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_518c_AS	30.7	47.6	18.9	20.6	-1.50	1.20	0.02580	0.27069	0.36065	0.63334	0.320	0.373
hsa_miR_518d	7.58	3.82	7.43	4.48	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_518e	8.02	4.09	4.66	4.34	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_518f	4.12	6.7	4.45	3.48	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_518f_AS	5.81	3.83	3.66	4.22	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_519a	13.9	11	5.64	5	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_519b	9.67	7.06	5.12	4.88	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_519c	5.17	4.03	5.76	2.54	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_519d	15.3	10.4	7.06	9.5	1.17	-1.02	NA	NA	NA	NA	NA	NA

hsa_miR_519e	6.03	3.24	6.07	3.5	NA	3.41	NA	NA	NA	NA	NA	NA
hsa_miR_519e_AS	8.7	10	6.19	11.5	NA	2.64	NA	NA	NA	NA	NA	NA
hsa_miR_520a	10	4.19	6.49	5.6	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_520a_AS	11.7	4.6	6.96	7.71	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_520b	8.79	4.99	4.38	4.48	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_520c	6.98	6.84	5.01	5.92	1.39	1.22	NA	NA	NA	NA	NA	NA
hsa_miR_520d	15	16.8	10.1	6.67	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_520d_AS	13.7	11.3	6.8	6.84	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_520e	6.6	4.68	9.81	6.15	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_520f	7.37	7.56	3.4	10.2	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_520g	8.9	6.06	3.54	3.83	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_520h	8.29	6.19	4.21	4.25	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_521	15.2	5.92	3.13	4.03	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_522	7.47	6.39	4.88	3.55	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_523	15.3	11.9	4.74	4.03	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_524	7.5	3.79	15.3	9.08	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_524_AS	7.45	8.18	6.51	5.29	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_525	18.9	15	8.43	11	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_525_AS	7.55	3.23	4.84	4.86	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_526a	9.66	7.41	6.98	5.1	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_526b	22	12.5	10.2	5.97	1.30	NA	NA	NA	NA	NA	NA	NA
hsa_miR_526b_AS	4.5	3.64	4.08	4.09	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_526c	11.4	4.76	5.69	5.47	1.38	NA	NA	NA	NA	NA	NA	NA
hsa_miR_527	9.98	14.7	8	7.02	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_539	7.36	8.24	6.73	5.35	-2.31	NA	NA	NA	NA	NA	NA	NA
hsa_miR_542_3p	8.59	9.25	4.95	5.45	-2.19	NA	NA	NA	NA	NA	NA	NA
hsa_miR_542_5p	28	14.1	12.7	9.55	1.83	1.33	0.19459	NA	0.69138	NA	0.426	NA
hsa_miR_544	9.39	4.1	15.4	10.8	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_545	6.42	3.34	4.62	4.67	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_7	59.2	20.5	10.2	14	3.35	-1.62	0.00052	NA	0.04274	NA	0.327	NA
hsa_miR_9	19.6	16.8	7.34	9.59	-2.47	NA	NA	NA	NA	NA	NA	NA
hsa_miR_9_AS	17.3	16.3	6.06	8.14	1.15	NA	0.16919	NA	0.65814	NA	0.611	NA
hsa_miR_92	305	215	92.9	97.9	1.24	-1.15	0.31474	0.69437	0.80227	0.88138	0.236	0.199
hsa_miR_93	1317	1408	371	424	-1.04	-1.08	0.61758	0.28218	0.91139	0.64611	0.249	0.148
hsa_miR_95	13.4	16.4	4.31	6.63	-1.94	NA	0.07205	NA	0.52823	NA	0.468	NA
hsa_miR_96	11.3	3.11	5.51	5.38	NA	NA	NA	NA	NA	NA	NA	NA
hsa_miR_98	170	239	57.1	88.8	-1.20	-1.31	0.05426	0.00230	0.49151	0.07221	0.230	0.210
hsa_miR_99a	####	####	5985	5495	1.10	1.03	0.98758	0.97093	0.99699	0.98569	0.343	0.137
hsa_miR_99b	681	546	283	234	1.10	1.11	0.66115	0.23021	0.91736	0.61740	0.240	0.175
mmu_let_7a	####	####	####	####	-1.16	-1.02	0.23313	0.19397	0.73613	0.60917	0.361	0.133
mmu_let_7d_AS	48.8	62	46.8	37.5	-1.39	1.28	0.37586	0.51560	0.81606	0.80549	0.277	0.252
mmu_let_7f	9920	####	4144	4998	-1.03	-1.19	0.77912	0.31996	0.95626	0.67177	0.361	0.149
mmu_miR_101b	228	264	135	160	-1.04	-1.15	0.57615	0.75299	0.89156	0.90115	0.238	0.425
mmu_miR_106a	301	263	95.7	120	1.23	-1.18	0.64940	0.25299	0.91450	0.63100	0.254	0.204
mmu_miR_10b	212	251	105	115	-1.14	1.01	0.57005	0.38373	0.88949	0.71706	0.237	0.203
mmu_miR_124a	14.8	16.2	9	8.43	-1.13	-1.05	0.98046	NA	0.99699	NA	0.612	NA
mmu_miR_127	23.2	22.9	7.44	6.75	1.03	NA	0.83995	NA	0.97138	NA	0.422	NA
mmu_miR_129_5p	16	17.6	8.89	10.9	-1.67	-1.16	NA	NA	NA	NA	NA	NA
mmu_miR_134	33.2	52.9	28.1	28.7	-1.35	1.05	0.16374	0.70709	0.64882	0.88138	0.333	0.292
mmu_miR_137	12.4	6.13	4.01	7.8	NA	NA	NA	NA	NA	NA	NA	NA

mmu_miR_140	166	146	58.6	75.7	1.08	-1.36	0.62015	0.03712	0.91139	0.36329	0.251	0.211
mmu_miR_140_AS	526	590	209	228	-1.18	-1.15	0.21015	0.19234	0.70415	0.60917	0.248	0.183
mmu_miR_142_3p	19.1	22	11.5	13.7	1.12	NA	0.26006	NA	0.76411	NA	0.426	NA
mmu_miR_151	190	173	87.1	86.5	-1.03	-1.10	0.63406	0.25945	0.91450	0.63284	0.257	0.196
mmu_miR_153	27.5	15.9	15.9	13.9	1.41	1.13	0.09374	NA	0.55387	NA	0.410	NA
mmu_miR_155	177	146	90.5	89.7	1.30	1.01	0.07628	0.93052	0.53269	0.96689	0.244	0.202
mmu_miR_17_3p	67.9	84.9	34.4	42.9	-1.23	-1.26	0.31492	0.32551	0.80227	0.67215	0.459	0.237
mmu_miR_187	126	119	77.2	71	-1.01	1.02	0.96616	0.96890	0.99699	0.98459	0.245	0.200
mmu_miR_192	143	115	68.7	70.5	1.24	-1.02	0.47754	0.93791	0.84660	0.96972	0.234	0.206
mmu_miR_199b	1741	2077	812	883	-1.19	-1.10	0.78493	0.47132	0.95732	0.78207	0.270	0.134
mmu_miR_201	7.19	4.2	4.13	4.03	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_202	25.9	33.4	13.2	13.8	-1.94	1.42	NA	NA	NA	NA	NA	NA
mmu_miR_203	234	201	90.8	97.8	1.17	-1.15	0.97280	0.33499	0.99699	0.68350	0.246	0.199
mmu_miR_204	264	195	89	110	1.28	-1.25	0.13936	0.17465	0.63364	0.60917	0.242	0.202
mmu_miR_207	26	22.9	21.8	15.1	-1.03	1.47	0.83678	NA	0.97115	NA	0.409	NA
mmu_miR_20b	132	124	46.1	58.9	1.22	-1.15	0.61866	0.29737	0.91139	0.65691	0.243	0.222
mmu_miR_211	6.52	3.6	3.97	6.38	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_215	30.5	28.6	10.1	13.9	1.32	-1.07	0.82303	NA	0.97024	NA	0.498	NA
mmu_miR_217	5.83	6.11	4.51	6.2	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_221	3071	2431	1069	1160	1.21	-1.14	0.36975	0.22768	0.81606	0.61658	0.267	0.141
mmu_miR_224	31.1	22.7	12.2	21.1	1.39	-1.76	0.01466	NA	0.29860	NA	0.320	NA
mmu_miR_290	42.9	64.7	41.2	34.2	-1.47	1.44	0.05568	0.32568	0.49151	0.67215	0.277	0.271
mmu_miR_291a_3p	43.6	38.1	19.1	24.4	1.19	-1.33	0.32291	NA	0.80394	NA	0.279	NA
mmu_miR_291a_5p	6.28	6.88	6.05	5.98	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_291b_3p	7.21	2.65	10.9	14.4	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_291b_5p	10.7	7.38	9.51	6.61	NA	2.22	NA	NA	NA	NA	NA	NA
mmu_miR_292_3p	9.25	8.8	11.3	9.84	-1.97	1.54	NA	NA	NA	NA	NA	NA
mmu_miR_292_5p	14.3	19.3	13.4	13.3	-7.39	1.18	NA	NA	NA	NA	NA	NA
mmu_miR_293	10.4	3.84	6.16	5.46	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_294	6.65	8.95	6.99	5.98	-3.63	NA	NA	NA	NA	NA	NA	NA
mmu_miR_295	7.56	7.25	4.31	4.66	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_297	32.8	13.8	11.1	11.2	2.65	3.63	NA	NA	NA	NA	NA	NA
mmu_miR_298	67.8	93	50.2	46.8	-1.24	1.13	0.60196	0.25160	0.90548	0.63100	0.297	0.233
mmu_miR_300	26.5	26.9	14.1	15	-1.04	1.02	0.40358	0.82337	0.81772	0.92976	0.346	0.543
mmu_miR_302b_AS	17.2	32.5	6.08	9.44	-1.90	NA	0.07271	NA	0.52823	NA	0.454	NA
mmu_miR_302c	7.92	5.21	4.24	6.15	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_302c_AS	12.4	10	7.45	8.27	NA	-1.07	NA	NA	NA	NA	NA	NA
mmu_miR_30e_AS	250	230	112	126	1.05	-1.16	0.73709	0.12672	0.94049	0.56533	0.236	0.207
mmu_miR_31	504	566	243	280	-1.11	-1.17	0.47486	0.21163	0.84660	0.61003	0.238	0.190
mmu_miR_322	178	140	80.2	79.3	1.17	-1.04	0.26127	0.83386	0.76576	0.93165	0.239	0.201
mmu_miR_324_5p	25.4	27.2	17.1	19.3	-1.03	-1.04	0.74414	NA	0.94094	NA	0.376	NA
mmu_miR_325	14.9	18.5	7.96	9.91	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_326	18.1	22.8	12.3	10.4	-1.48	1.31	0.28490	NA	0.78405	NA	0.835	NA
mmu_miR_329	30.4	19.7	9.03	11.3	1.33	1.14	NA	NA	NA	NA	NA	NA
mmu_miR_330	29.6	28.2	15	12.8	-1.04	1.17	0.59824	NA	0.90290	NA	0.455	NA
mmu_miR_337	20.9	13.8	4.88	9.9	1.77	NA	NA	NA	NA	NA	NA	NA
mmu_miR_341	21.1	9.7	5.11	8.16	1.47	NA	NA	NA	NA	NA	NA	NA
mmu_miR_344	5.05	4.73	6.2	4.95	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_345	319	327	181	175	1.01	-1.01	0.52674	0.95323	0.86468	0.97625	0.255	0.211
mmu_miR_346	40.5	30.3	25	22.7	1.36	1.22	0.21202	0.40394	0.70785	0.73175	0.299	0.303

mmu_miR_34b	11.3	14.4	9.66	16.8	-1.69	-1.66	NA	NA	NA	NA	NA	NA
mmu_miR_350	308	205	106	120	1.32	-1.20	0.21036	0.08343	0.70415	0.50095	0.248	0.215
mmu_miR_351	125	110	64.5	61.9	1.17	1.05	0.80021	0.70124	0.96748	0.88138	0.226	0.221
mmu_miR_362	108	89.2	40.8	48.6	1.13	-1.19	0.15144	0.38563	0.63882	0.71818	0.234	0.275
mmu_miR_363	4.65	6.18	4.19	4.95	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_369_3p	5.43	2.34	4.25	4.38	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_369_5p	13.7	19.9	9	7.9	-1.17	-1.26	NA	NA	NA	NA	NA	NA
mmu_miR_370	60.4	74.5	36.4	39.9	-1.16	1.02	0.46593	0.69176	0.84551	0.88138	0.299	0.245
mmu_miR_376a	11.9	8.48	6.72	4.59	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_376b	12.2	12.2	6.01	8.59	-1.71	NA	NA	NA	NA	NA	NA	NA
mmu_miR_376b_AS	8.12	8.23	4.35	2.87	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_376c	8.9	7.21	5.22	6.91	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_379	57.6	67.5	30	38.7	-1.03	-1.19	0.69783	0.01498	0.92294	0.24381	0.275	0.266
mmu_miR_380_3p	7.97	4.94	5.69	4.94	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_383	19.1	15.8	5.64	6.37	NA	1.56	NA	NA	NA	NA	NA	NA
mmu_miR_384	6.19	4.07	5.11	4.01	NA	1.29	NA	NA	NA	NA	NA	NA
mmu_miR_409	22.1	19.5	11.7	14.5	1.17	-1.22	0.27341	NA	0.77549	NA	0.406	NA
mmu_miR_410	5.99	4.3	6.16	1.59	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_411	18.4	13.6	8.22	10.3	1.25	NA	NA	NA	NA	NA	NA	NA
mmu_miR_424	45.6	38.1	17.5	19.8	1.27	-1.10	0.23376	NA	0.73613	NA	0.283	NA
mmu_miR_429	17.1	12.5	3.25	4.67	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_431	10.7	5.96	5.98	4.26	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_433_5p	6.03	8.5	5.36	4.57	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_434_3p	19.5	9.34	5.71	5.96	2.01	NA	0.04801	NA	0.46613	NA	0.441	NA
mmu_miR_434_5p	25.6	20.5	8.07	11.3	1.10	-1.10	NA	NA	NA	NA	NA	NA
mmu_miR_451	4764	5810	95.2	136	-1.07	-1.48	0.99639	0.00329	0.99738	0.09324	0.328	0.209
mmu_miR_463	6.67	7.13	4.03	3.23	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_464	10.4	4.98	3.27	5.83	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_465	16.3	6.99	5.63	5.81	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_466	48.6	28.5	23.5	22.3	1.56	-1.06	0.04000	0.14820	0.44034	0.58905	0.320	0.326
mmu_miR_467	16.1	6.57	14.2	9.58	1.88	1.61	NA	NA	NA	NA	NA	NA
mmu_miR_468	36.8	9.28	13.2	13.9	4.56	1.02	NA	NA	NA	NA	NA	NA
mmu_miR_469	14.6	4.41	5.97	5.11	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_470	7.27	6.46	4.61	3.57	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_471	7	10.3	6.14	4.47	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_483	25.4	22	23.7	21.2	1.08	1.23	0.64961	0.40997	0.91450	0.73767	0.365	0.377
mmu_miR_485_3p	10.1	5.05	3.52	6.13	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_487b	7.83	3.49	4.67	2.87	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_489	4.86	3.91	4.83	5.12	NA	-1.44	NA	NA	NA	NA	NA	NA
mmu_miR_494	211	353	279	139	-1.65	2.17	0.03518	0.00023	0.41746	0.02059	0.374	0.231
mmu_miR_503	87.4	73.1	32.8	32.7	1.08	-1.02	0.89734	0.97842	0.98314	0.98710	0.260	0.251
mmu_miR_540	29.9	38.7	18.9	23.1	-1.45	1.15	0.29936	0.88153	0.80227	0.95106	0.283	0.283
mmu_miR_541	26.8	27.4	15.5	17.9	1.06	-1.09	0.69759	0.06645	0.92294	0.47270	0.302	0.323
mmu_miR_542_5p	18.7	15.7	6.74	7.78	1.10	NA	NA	NA	NA	NA	NA	NA
mmu_miR_543	11.4	12.8	7.37	4.68	-1.40	NA	NA	NA	NA	NA	NA	NA
mmu_miR_546	103	146	81.8	64.8	-1.47	1.30	0.08126	0.04650	0.53791	0.39727	0.220	0.218
mmu_miR_547	23.4	17.5	7.68	8.13	1.60	-1.20	0.25419	NA	0.75792	NA	0.347	NA
mmu_miR_7b	9.01	4.57	4.67	6.25	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_9	5.72	5.3	1.72	8.66	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_93	661	721	239	255	-1.07	-1.04	0.81390	0.51245	0.96748	0.80442	0.238	0.187

mmu_miR_96	5.77	4.93	6.05	4.25	NA	NA	NA	NA	NA	NA	NA	NA
mmu_miR_99a	####	####	6168	5463	1.01	1.12	0.99047	0.29549	0.99702	0.65684	0.318	0.137
rno_miR_1	541	738	198	289	-1.16	-1.27	0.26602	0.19108	0.76980	0.60917	0.502	0.201
rno_miR_1_AS	12.1	6.83	5.96	6.44	1.34	-1.68	NA	NA	NA	NA	NA	NA
rno_miR_140_AS	511	607	207	236	-1.23	-1.18	0.11161	0.19759	0.58566	0.60917	0.239	0.189
rno_miR_151	154	148	77.3	73	-1.05	-1.04	0.97294	0.86725	0.99699	0.94506	0.224	0.197
rno_miR_207	23	13.7	19.8	17.1	1.35	-1.03	NA	NA	NA	NA	NA	NA
rno_miR_20a_AS	8.9	5.51	5.35	5.24	NA	NA	NA	NA	NA	NA	NA	NA
rno_miR_20b	69.2	51	14	22	1.61	-1.61	0.14373	NA	0.63364	NA	0.297	NA
rno_miR_20b_AS	11.6	10.6	11.2	8.12	-1.61	NA	0.51800	NA	0.86290	NA	0.508	NA
rno_miR_22_AS	119	119	105	110	-1.15	-1.08	0.15592	0.68519	0.64433	0.88051	0.230	0.227
rno_miR_297	11.2	5.65	8.81	8.55	-1.02	NA	NA	NA	NA	NA	NA	NA
rno_miR_29c_AS	128	125	48.9	69.9	-1.01	-1.35	0.97054	0.05064	0.99699	0.40727	0.234	0.259
rno_miR_301	63.2	57.4	31.4	33.1	1.13	-1.33	0.48625	NA	0.85193	NA	0.260	NA
rno_miR_327	22.4	35.6	24	21.3	-1.45	1.17	0.30007	0.66572	0.80227	0.87126	0.312	0.448
rno_miR_333	9.04	4	8.02	6.08	NA	1.18	NA	NA	NA	NA	NA	NA
rno_miR_336	82.9	70.6	54.4	53	1.30	1.00	0.07113	0.48048	0.52823	0.78682	0.270	0.225
rno_miR_343	10.9	13.2	13	14.6	-1.28	1.16	NA	NA	NA	NA	NA	NA
rno_miR_344	8.91	6.24	5.14	8.42	NA	NA	NA	NA	NA	NA	NA	NA
rno_miR_346	54.8	29.1	24.4	20.7	1.88	2.25	0.10405	NA	0.57529	NA	0.406	NA
rno_miR_347	10.8	6.12	5.88	5.67	NA	NA	NA	NA	NA	NA	NA	NA
rno_miR_349	10.6	12.9	12.7	9.32	-6.44	-1.97	NA	NA	NA	NA	NA	NA
rno_miR_350	380	299	137	154	1.17	-1.17	0.17954	0.46741	0.66751	0.78048	0.246	0.210
rno_miR_352	1078	1103	317	411	1.12	-1.16	0.55038	0.09581	0.87307	0.52482	0.350	0.173
rno_miR_363_3p	6.38	4.22	4.94	7.68	NA	-1.56	NA	NA	NA	NA	NA	NA
rno_miR_374	56.6	57	17.6	25.8	1.05	-1.50	0.87998	0.52774	0.97750	0.81491	0.277	0.402
rno_miR_376a	9.59	6.33	7.19	5.33	NA	NA	NA	NA	NA	NA	NA	NA
rno_miR_376b	14.3	14.4	7.21	5.4	-1.41	NA	NA	NA	NA	NA	NA	NA
rno_miR_377	11.8	14.2	7.41	9.31	-1.28	NA	0.24447	NA	0.74930	NA	0.538	NA
rno_miR_381	16.2	15.8	4.79	5.55	NA	NA	NA	NA	NA	NA	NA	NA
rno_miR_382	39.4	35.6	10.4	18.4	1.15	-1.74	0.14744	NA	0.63364	NA	0.283	NA
rno_miR_382_AS	49	33.6	16.8	20.7	1.40	-1.30	0.04374	0.16142	0.45036	0.59821	0.274	0.474
rno_miR_409_3p	23.7	15.6	14.1	12.1	1.40	1.01	0.10964	NA	0.58566	NA	0.417	NA
rno_miR_409_5p	8.74	4.52	3.91	7.23	NA	NA	NA	NA	NA	NA	NA	NA
rno_miR_421	9.53	7.3	3.66	4.19	-1.73	NA	NA	NA	NA	NA	NA	NA
rno_miR_422b	####	####	8371	7277	-1.14	1.15	0.05691	0.07927	0.49151	0.50045	0.335	0.147
rno_miR_450	5.94	4.22	7.33	3.91	NA	NA	NA	NA	NA	NA	NA	NA
rno_miR_489	14.2	4.27	6.34	4.91	NA	NA	NA	NA	NA	NA	NA	NA
rno_miR_497	1074	785	445	426	1.30	1.04	0.25616	0.61490	0.75899	0.86289	0.249	0.144
rno_miR_499	981	1140	385	473	-1.08	-1.22	0.42162	0.08098	0.82429	0.50045	0.266	0.147
rno_miR_501	20.2	15.2	10.6	8.32	1.23	3.00	0.86829	0.19029	0.97422	0.60917	0.427	1.148
rno_miR_503	80.6	71	25.8	31.7	1.02	-1.25	0.96784	0.33220	0.99699	0.68165	0.308	0.333
rno_miR_505	5.75	4.01	4.46	4.12	NA	NA	NA	NA	NA	NA	NA	NA
rno_miR_542_3p	10.4	8.9	4.42	6.5	NA	2.07	NA	NA	NA	NA	NA	NA
rno_miR_664	22.7	16.2	15.1	15.1	1.22	1.06	0.48698	0.71082	0.85202	0.88409	0.469	0.382
rno_miR_7	21.6	9.8	4.75	5.5	2.56	NA	NA	NA	NA	NA	NA	NA
rno_miR_7_AS	32.5	21.8	12	9.69	1.33	1.31	NA	NA	NA	NA	NA	NA

Figure S2. miRNA binding regions in mouse Hsp20 3'-UTR

hsa-miR-612

GGGTCCCAGCTGCACAGGACCGAACCCAGGAAGCCTCTTTAGGCTCTCTTTTAAAAGCCGATCTGACTCCACTG*CC*

mmu-miR-695

*CAGCCAGATGTCCCAATCGCC*GTCAAGACAGCCTTTCCCAACCACACCTAGATGTCCTTCGGAGACCTTTCCACCCC

mmu-miR-320

TAAGCCTACCTGAGCCCTAGTAACCTAGACAGCCTCCCTAAGCCCTCTCCCAGCTTTCCGGCCCGACCCAGGACAC

CTCTCTAGGGACGCTACTGTCACCCCTCAGTCAAGGCTCCCATCAAATTGACCCCACTTTGGGCTTCTATCACCACG

hsa-miR-602 *hsa-miR-630*

CAGGCCTCCTACCGC*ACTTGTAACCTGTGTAGAATACC*CCAAGGTGACACCAGAGTACAGTGTAGTCACCTAATTCTC

CACATGGAGAAACTGCATGGGCTTTCCACATCAGAACATCCAAGCCTAGTCCACCAGTCCTACCCACTAGTCCTGT

TCTTGTAACATAATGCTCCTCTGCCCAGCCCACTTTCAGACTTAAAACTCCAGGCACCTAAATTCTTGAATACTATT

mmu-miR-450b*

CTGACTTCCAATTCTTGGGAAAACTATTCCCAACTAACCAGGAACCCCAAACTCAAACTGTATGGACACTTCAACT

hsa-miR-601 mmu-miR-184

TCTCCAGATGTGCTAGGCCAATGAACAAGAACCCTTGAGTTCCTCTGTCCTGGCTGCCCATCTGCAGCCAGATGTC

mmu-miR-685 mmu-miR-409

TTAGGGAGCCTCCTTCACATCTGCCATTCTCTAAGGTCACACCTTCACTGCCAACATTTCCCATCTCCGCAGGCCTT

hsa-miR-519b

CCTACCATCAGTCCCCAATAAATGCACTTGAGATTTG

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