Table 3. Expression correlation of miRNAs and inversely expressed predicted targets.

microRNA expression		Gene expression			miRNA:mRNA	
miRNA	Fold Change	Probe ID	Gene Symbol-Gene Name	Fold Change	Expression correlation	p-value[a]
let-7c	0.03	203481_at	C10ORF6-chromosome 10 open reading frame 6	1.58	-0.58	1.88E-02
		218567_x_at	DPP3-dipeptidyl-peptidase 3	2.31	-0.49	5.4E-02
		203358_s_at	EZH2-enhancer of zeste homolog 2 (*Drosophila*)	2.36	-0.64	7.69E-03
		209283_at	SLC20A1-solute carrier family 20 (phosphate transporter), member 1	2.06	-0.30	2.53E-01
		203358_s_at	TRIB1-tribbles homolog 1 (Drosophila)	1.77	-0.48	5.84E-02
miR-10b	0.04	202357_s_at	SDC1-syndecan 1	2.06	-0.28	2.96E-01
miR-125b	0.05	203744_at	HMGB3-high-mobility group box 3	2.13	-0.61	1.27E-02
		209613_s_at	NRIP1-nuclear receptor interacting protein 1	2.25	-0.39	1.36E-01
		213004_at	MEMO1-mediator of cell motility 1	1.73	-0.59	1.54E-02
miR-17-3p	0.12	203744_at	HMGB3-high-mobility group box 3	2.13	-0.49	5.66E-02
		212446_s_at	LASS6-LAG1 longevity assurance homolog 6	1.78	-0.31	2.38E-01
		211653_x_at	MAP7-microtubule-associated protein 7	1.73	-0.49	5.19E-02
		213492_at	SERP1-stress-associated endoplasmic reticulum protein 1	1.80	-0.23	3.84E-01
		203213_at	SAR1B-SAR1 gene homolog B (*S. cerevisiae*)	1.95	-0.07	8.03E-01
		202381_at	ADAM9-ADAM metallopeptidase domaine 9	2.04	-0.45	7.89E-02
miR-181b	5.46	221234_s_at	BACH2-BTB and CNC homology 1 basic leucine zipper transcription factor 2	0.47	-0.30	2.62E-01
		212914_at	CBX7-chromobox homolog 7	0.44	-0.30	2.67E-01
		204753_s_at		0.24	-0.19	4.84E-01
		204755_x_at	HLF-hepatic leukemia factor	0.28	-0.52	3.82E-02
		204754_at		0.31	-0.45	7.70E-02
		204567_s_at	NMT2-N-myristoyltransferase 2	0.58	-0.35	1.81E-01
		202274_at	NR3C1-nuclear receptor subfamily 3, group C, member 1	0.46	-0.44	8.86E-02
		200974_at	(glucocorticoid receptor)	0.57	-0.57	2.21E-02
miR-182	72.35	221234_s_at	BACH2-BTB and CNC homology 1 basic leucine zipper transcription factor 2	0.47	-0.73	1.41E-03
		210347_s_at		0.27	-0.65	6.31E-03
		219497_s_at	BCL11A-B-cell CLL/lymphoma 11A	0.42	-0.69	2.86E-03
		219498_s_at		0.43	-0.80	2.19E-04
		221530_s_at	BHLHB3-basic helix-loop-helix domain containing, class B, 3	0.47	-0.55	2.71E-02
		204851_s_at	DCX-doublecortex; lissencephaly, X-linked (doublecortin	0.13	-0.83	7.48E-05
		204850_s_at		0.30	-0.67	4.63E-03
		209691_s_at	DOK4-docking protein 4	0.56	-0.53	3.65E-02
		209905_at	HOXA9-homeobox A9	0.10	-0.64	8.18E-03
		214651_s_at		0.31	-0.55	2.63E-02
		64900_at	LPHN2-latrophilin 2	0.37	-0.62	9.87E-03
		219497_s_at	PRKD1-protein kinase D1	0.54	-0.59	1.61E-02
		210735_s_at	RIMS3-regulating synaptic membrane exocytosis 3	0.52	-0.73	1.25E-03
		205022_s_at	FOXN3-checkpoint repressor 1	0.50	-0.67	4.40E-03
		221935_s_at	NCAM1-neural cell adhesion molecule 1	0.43	-0.41	1.19E-01
		212914_at	CBX7-chromobox homolog 7	0.44	-0.57	2.22E-02
		204567_s_at	NMT2-N-myristoyltransferase 2	0.58	-0.26	3.26E-01
miR-183	51.88	221234_s_at	BACH2-BTB and CNC homology 1 basic leucine zipper transcription factor 2	0.47	-0.75	7.83E-04
		204851_s_at	DCX-doublecortex; lissencephaly, X-linked (doublecortin)	0.13	-0.82	1.06E-04
		204850_s_at		0.30	-0.80	2.16E-04
		201693_s_at	EGR1-early growth response 1	0.45	-0.61	1.12E-02
		202274_at	NR3C1-nuclear receptor subfamily 3, group C, member 1	0.46	-0.70	2.77E-03
		200974_at	(glucocorticoid receptor)	0.57	-0.45	8.08E-02
miR-195	0.13	217852_s_at	ARL8B-ADP-ribosylation factor-like 8B	1.64	-0.31	2.49E-01
		208712_at	**CCND1-cyclin D1**	2.30	-0.33	2.19E-01
		208653_s_at	CD164-CD164 molecule, sialomucin	2.40	-0.54	3.16E-02
		202596_at	ENSA-endosulfine alpha	2.03	-0.37	1.54E-01
		211653_x_at	MAP7-microtubule-associated protein 7	1.73	-0.52	4.00E-02
		221935_s_at	RAD23B-RAD23 homolog B	1.79	-0.08	7.61E-01
		201341_at	TMEM33-transmembrane protein 33	1.62	-0.30	2.64E-01
		212464_s_at	WWP1-WW domain containing E3 ubiquitin protein ligase 1	2.79	-0.49	5.57E-02
		216442_x_at		2.83	-0.25	5.57E-02
miR-204	0.08	217852_s_at	ARL8B-ADP-ribosylation factor-like 8B	1.64	-0.27	3.06E-01
		213492_at	SERP1-stress-associated endoplasmic reticulum protein 1	1.80	-0.57	2.22E-02
miR-21	20.92	218992_at	**NFIB-nuclear factor I/B**	0.43	-0.75	9.15E-04
		219060_at		0.52	-0.69	3.28E-03
miR-7	5.19	213492_at	COL2A1-collagen, type II, alpha 1	0.51	-0.12	6.61E-01
		204359_at	FLRT2-Fibronectin leucine rich transmembrane protein 2	0.35	-0.49	5.36E-02
		206765_at	KCNJ2-potassium inwardly-rectifying channel, subfamily J, member 2	0.33	-0.73	1.35E-03
		214112_s_at	SNCA-synuclein, alpha	0.48	-0.54	3.00E-02
		205022_s_at	FOXN3-checkpoint repressor 1	0.50	-0.61	1.22E-02
miR-93	160.47	210347_s_at		0.27	-0.75	7.40E-04
		219497_s_at	BCL11A-B-cell CLL/lymphoma 11A	0.42	-0.72	1.51E-03
		219498_s_at		0.43	-0.71	2.11E-03
		204753_s_at		0.24	-0.68	3.60E-03
		204755_x_at	HLF-hepatic leukemia factor	0.28	-0.81	1.44E-04
		204754_at		0.31	-0.81	1.49E-04
		218992_at	NFIB-nuclear factor I/B	0.43	-0.74	1.14E-03
		219060_at		0.52	-0.65	6.30E-03
		203963_at	RGL1-ral guanine nucleotide dissociation stimulator-like 1	0.53	-0.58	1.79E-02
		204422_s_at	TXNIP-thioredoxin interacting protein	0.36	-0.69	2.96E-03
		205117_at		0.49	-0.57	2.14E-02

Note: miRNA:target mRNA pairs that were tested in this study are indicated by shading, previously confirmed targets from the literature are indicated in ***bold,*** *[a]p-value determined by Student's t-test.*