

Supplementary Material

MicroRNA expression in bovine preimplantation embryos

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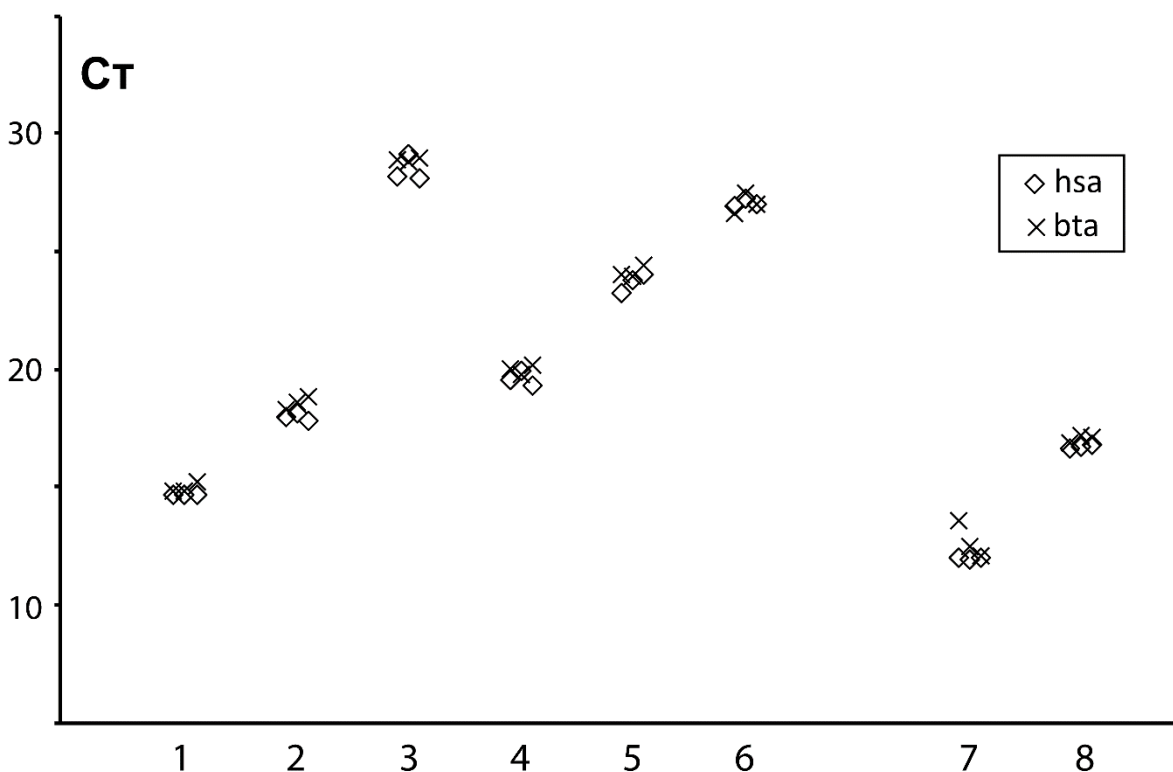


Fig. S1. Comparison of human- and bovine-specific Taqman miRNA-16 assays on cattle samples (1-6) and human synthetic miRNA-16. The human (hsa) and cattle (bta) mature miRNA-16(b) sequences differ by one nucleotide in that the 3' terminal guanine is absent in cattle. Reverse transcription and real time PCR was performed in triplicate on a range of cattle tissues at different concentrations and on synthetic human miRNA16 using assays designed for the human and cattle forms of miRNA (Life Technologies, Auckland, NZ). The CTs are shown and are not significantly different lending further support to the feasibility of using assays against miRNA differing by the addition or deletion of one nucleotide at the 3 prime terminus.

Samples: (1) bovine fibroblast RNA, (2) 1 in 10 dilution of sample 1, (3) bovine blastocyst RNA preparation 1, (4) Day 14 TB from 4 embryos, (5) sample 4 diluted 1 in 10, (6) bovine blastocyst preparation 2, (7) human (has) miRNA16, (8) sample 7 diluted 1 in 10.

Table S1. Subset of human miRNA primers from TaqMan® MicroRNA Assay Human Panel Early Access Kit (PN4365381, Applied Biosystems) homologous to cattle sequences

Bovine mature miRNAs names, sequences and differences from the probes are shown

hsa-Mir	Mature sequence	Match human seq (miRBase 16^a)	Bovine perfect match	Bovine name	Mature bovine accession number MIMAT	Bovine mature sequence	miRBase 16^A
hsa-let-7a	ugagguaguagguuguauaguu	Y	Y	bta-let-7a-5p	0003844	ugagguaguagguuguauaguu	
hsa-let-7b	ugagguaguagguugugugguu	Y	Y	bta-let-7b	0004331	ugagguaguagguugugugguu	
hsa-let-7d	agagguaguagguugcauagu	Y	N	bta-let-7d	0003810	agagguaguagguugcauaguu	Bovine has an extra U at the 3' end
hsa-let-7e	ugagguaggagguuguauagu	Y	Y	bta-let-7e	0004333	ugagguaggagguuguauagu	
hsa-let-7g	ugagguaguaguuguacagu	Y	N	bta-let-7g	0003838	ugagguaguaguuguacagu	
hsa-miR-9	ucuuugguuauacuagcuguauga	Y	N	bta-miR-9-5p	0009389	ucuuugguuauacuagcuguaug	Bovine lacking A on the 3' end
hsa-miR-10a	uaccuguagaucgaaauugug	Y	Y	bta-miR-10a	0003786	uaccuguagaucgaaauugug	Bovine has an extra U at 3' end
hsa-miR-15a	uagcagcacauaaugguuugug	Y	N	bta-miR-15a	0004334	uagcagcacauaaugguuugug	Bovine lacking G at the 3' end
hsa-miR-15b	uagcagcacaucaugguuuac	Y	N	bta-miR-15b	0003792	uagcagcacaucaugguuuaca	Bovine has an extra A at 3' end
hsa-miR-16	uagcagcacguaaaauuuggcg	Y	N	bta-miR-16b	0003525	uagcagcacguaaaauuuggc	Bovine lacking G on the 3' end
hsa-miR-17-3p	acugcagugaaggcacuugu	deleted	Y	bta-miR-17-3p	0003816	acugcagugaaggcacuugu	
hsa-miR-17-5p	caaagugcuuacagucagguagu	deleted	Y	bta-miR-17-5p	0003815	caaagugcuuacagucagguagu	
hsa-miR-19a	ugugcaaaucuaugcaaacuga	Y	Y	bta-miR-19a	0004336	ugugcaaaucuaugcaaacuga	
hsa-miR-20	uaaagugcuuauagucagguag	deleted	N	bta-miR-20a	0003527	uaaagugcuuauagucagguag	Bovine has an extra G at 3' end
hsa-miR-23a	aucacauugccagggauuucc	Y	N	bta-miR-23a	0003827	aucacauugccagggauuucca	Bovine has an extra A at 3' end

hsa-miR-23b	aucacauugccagggauuaccac	deleted	Y	bta-miR-23b-3p	0003852	aucacauugccagggauuaccac	
hsa-miR-25	cauugcacuugucucggucuga	Y	Y	bta-miR-25	0003853	cauugcacuugucucggucuga	
hsa-miR-26a	uucaaguaauccaggauaggcu	Y	Y	bta-miR-26a	0003516	uucaaguaauccaggauaggcu	
hsa-miR-26b	uucaaguaauucaggauaggu	Y	N	bta-miR-26b	0003531	uucaaguaauucaggauaggu	Bovine has an extra U at 3' end
hsa-miR-27b	uucacaguggcuaaguucug	deleted	N	bta-miR-27b	0003546	uucacaguggcuaaguucugc	Bovine has an extra C at 3' end
hsa-miR-28-5p	aaggagcucacagucuaauugag	Y	Y	bta-miR-28	0009272	aaggagcucacagucuaauugag	
hsa-miR-29a	cuagcaccaucugaaaucgguu	deleted	N	bta-miR-29a	0003518	uagcaccaucugaaaucgguua	Bovine lacking C at the 5' end and an extra A at the 3' end
hsa-miR-29c	agcaccuuugaaaucgguua	deleted	N	bta-miR-29c	0003829	uagcaccuuugaaaucgguua	Bovine has an extra U at the 5' end
hsa-miR-30b	uguaaacauccuacacucagc	deleted	N	bta-miR-30b-5p	0003547	uguaaacauccucgacuggaagcu	Bovine has an extra U at 3' end
hsa-miR-30c	uguaaacauccuacacucagc	Y	Y	bta-miR-30c	0003850	uguaaacauccuacacucagc	
hsa-miR-31	ggcaagaugcuggcrauagcug	deleted	N	bta-miR-31	0003548	aggcaagaugcuggcrauagcu	Bovine has an extra A at the 5' and lacking A at the 3' end
hsa-miR-34a	uggcagugucuuagcugguugu	deleted	Y	bta-miR-34a	0004340	uggcagugucuuagcugguugu	
hsa-miR-34c	aggcaguguaguagcugauug	deleted	Y	bta-mir-34c	0003854	aggcaguguaguagcugauug	
hsa-miR-92	uauugcacuuguccggccugu	deleted	Y	bta-mir-92a-2	0009383	uauugcacuuguccggccugu	
hsa-miR-95	uucaacggguauuuauugagca	Y	Y	bta-mir-95	0009387	uucaacggguauuuauugagca	
hsa-miR-96	uuuggcacuagcacauuuuugc	deleted	N	bta-mir-96	0009388	uuuggcacuagcacauuuuugc	Bovine an extra U at the 3' end
hsa-miR-98	ugagguaguaaguuguauuguu	Y	Y	bta-mir-98	0003809	ugagguaguaaguuguauuguu	
hsa-miR-99a	aaccgguagaucggaucuuugug	Y	N	bta-mir-99a	0003537	aaccgguagaucggaucuuugu	Bovine lacking G at the 3' end
hsa-miR-100	aaccgguagaucggaucuuugug	Y	Y	bta-mir-100	0009215	aaccgguagaucggaucuuugug	
hsa-miR-103	agcagcauuguacagggcuauaga	Y	Y	bta-mir-103	0003521	agcagcauuguacagggcuauaga	
hsa-miR-107	agcagcauuguacagggcuauca	Y	N	bta-mir-107	0003785	agcagcauuguacagggcuauca	Bovine lacking A at the 3' end
hsa-miR-122a	uggagugugacaauugguguuuugu	deleted	N	bta-mir-122a	0003849	uggagugugacaauugguguuuug	Bovine lacking U at the 3' end
hsa-miR-125a	uccugagaccuuuaaccugug	deleted	Y	bta-miR-125a	0003538	uccugagaccuuuaaccugug	
hsa-miR-125b	uccugagaccuaacuuguga	Y	Y	bta-miR-125b	0003539	uccugagaccuaacuuguga	

hsa-miR-126	ucguaccgugaguaauaauauc	deleted	N	bta-mir-126-3p	0003540	cguaccgugaguaauaauaucg	Bovine an extra G at the 3' end, lacking U at the 5' end
hsa-miR-127-3p	ucggauccgucugagcuuggcu	Y	Y	bta-mir-127	0003787	ucggauccgucugagcuuggcu	
hsa-miR-128a	ucacagugaaccggucucuuuu	Y	N	bta-mir-128a	0003541	ucacagugaaccggucucuuuu	Bovine lacking C at the 3' end
hsa-miR-129-5p	cuuuuugcggucugggcuugc	Y	N	bta-miR-129-5p	0009221	cuuuuugcggucugggcuugc	Bovine has an extra U at the 3' end
hsa-miR-130b	cagugcaaugaugaaaggc	Y	Y	bta-miR-130b	0009224	cagugcaaugaugaaaggc	
hsa-miR-132	uaacagucucacagccauggucg	Y	Y	bta-miR-132	0003812	uaacagucucacagccauggucg	
hsa-miR-133a	uuuggucccucaaccagcugu	deleted	N	bta-miR-133a	0009225	uuuggucccucaaccagcug	Bovine has an extra G at the 5' end and lacking U at the 3' end
hsa-miR-135a	uauggcuuuuuauuccuauuguga	Y	Y	bta-miR-135a	0009228	uauggcuuuuuauuccuauuguga	
hsa-miR-135b	uauggcuuuuauuccuauugug	deleted	N	bta-miR-135b	0009229	uauggcuuuuauuccuauuguga	Bovine an extra A at the 3' end
has-miR-137	uauugcuuaagaauacgcguag	deleted	N	bta-miR137	0009231	uuauugcuuaagaauacgcguag	Bovine an extra U at the 5' end
hsa-miR-142-5p	cauaaaguagaaagcacuac	deleted	Y	bta-mir-142-5p	0003790	cauaaaguagaaagcacuac	
hsa-miR-144	uacaguauagaugauguacuag	deleted	Y	bta-miR-144	0009234	uacaguauagaugauguacuag	
hsa-miR-145	guccaguuuuccaggaauccuu	deleted	N	bta-mir-145	0003542	guccaguuuuccaggaauccuu	Bovine lacking U at the 3' end
hsa-miR-150	ucuccaaccuuguaccagug	Y	N	bta-mir-150	0003845	ucuccaaccuuguaccagugu	Bovine has an extra U at the 3' end
hsa-miR-151	acuagacugaagcuccuugagg	deleted	N	bta-mir-151-3p	0003524	cuagacugaagcuccuugagg	Bovine lacking A at the 5' end.
hsa-miR-152	ucagugcaugacagaacuugg	deleted	N	bta-mir-152	0009238	ucagugcaugacagaacuugg	Bovine has an extra G at the 3' end
hsa-miR-155	uuauugcuuaucgugauagggg	deleted	N	bta-miR-155	0009241	uuauugcuuaucgugauagggg	Bovine an extra U at the 5' end
hsa-miR-183	uauggcacugguagaauucacug	deleted	Y	bta-miR-183	0009245	uauggcacugguagaauucacug	
hsa-miR-184	uggacggagaacugauaagggg	Y	Y	bta-miR-184	0009246	uggacggagaacugauaagggg	
hsa-miR-186	caaagaauucuccuuuugggcu	deleted	N	bta-mir-186	0003818	caaagaauucuccuuuugggcu	Bovine lacking U at the 3' end
hsa-miR-189	gugccuacugagcugauaucagu	deleted	Y	bta-mir-24	0009250	gugccuacugagcugauaucagu	
hsa-miR-190	ugauauguuugauauuuaggu	Y	Y	bta-miR-190a	0009251	ugauauguuugauauuuaggu	

hsa-miR-191	caacggaaucceaaaagcagcu	deleted	N	bta-mir-191	0003819	caacggaaucceaaaagcagcug	Bovine an extra G at the 3' end
hsa-miR-193	aacuggccuacaaaguccag	deleted	N	bta-mir-193a-3p	0003795	aacuggccuacaaaguccagu	Bovine an extra U at the 3' end
hsa-miR-194	uguaacagcaacuccaugugga	Y	Y	bta-miR-194-1	0009254	uguaacagcaacuccaugugga	
hsa-miR-195	uagcagcacagaaauauuggc	Y	N	bta-mir-195	0004335	uagcagcacagaaauauuggca	Bovine an extra A at the 3' end
hsa-miR-197	uucaccaccuuccaccaccagc	Y	Y	bta-mir-197	0009257	uucaccaccuuccaccaccagc	
hsa-miR-199-5p	cccaguguucagacuaccuguuc	deleted	N	bta-mir-199a-5p	0003544	cccaguguucagacuaccuguu	Bovine lacking C at the 3' end
hsa-miR-199a*	uacaguagucugcacauugguu	deleted	Y	bta-mir-199a-3p	0003746	acaguagucugcacauugguu	
hsa-miR-199b	cccaguguuuagacuaucuguuc	deleted	Y	bta-mir-199b	0003821	cccaguguuuagacuaucuguuc	
hsa-miR-200a	uaacacugucugguaacgaugu	Y	N	bta-mir-200a	0003822	uaacacugucugguaacgauguu	Bovine an extra U at the 3' end
hsa-miR-200c	aaauacugccggguaaugaugga	deleted	N	bta-mir-200c	0003823	aaauacugccggguaaugaugga	Bovine an extra U at the 5' end
hsa-miR-204	uucccuuugucauccuaugccu	Y	Y	bta-mir-204	0004338	uucccuuugucauccuaugccu	
hsa-miR-205	uccuucuuuccaccggagucug	Y	Y	bta-mir-205	0003545	uccuucuuuccaccggagucug	
hsa-miR-210	cugugcgugugacagcggcug	deleted	N	bta-mir-210	0003824	acugugcgugugacagcggcuga	Bovine extra A at the 5' and at the 3' end
hsa-miR-214	acagcaggcacagacaggcag	deleted	N	bta-mir-214	0003825	acagcaggcacagacaggcagu	Bovine an extra U at the 3' end
hsa-miR-215	augaccuaugaauugacagac	Y	N	bta-mir-215	0003797	augaccuaugaauugacagaca	Bovine an extra A at the 3' end
hsa-miR-216	uaaucucagcuggcaacugug	deleted	N	bta-mir-216	0009265	uaaucucagcuggcaacuguga	Bovine an extra A at the 3' end
hsa-miR-218	uugugcuugaucuaaccaugu	Y	N	bta-mir-218	0003798	uugugcuugaucuaaccaugug	Bovine an extra G at the 3' end
hsa-miR-219-5p	ugauuguccaaacgcaauucu	Y	N	bta-mir-219-5p	0009269	ugauuguccaaacgcaauucu	Bovine an extra U at the 3' end
hsa-miR-221	agcuacauugucugcuggguuc	Y	N	bta-mir-221	0003529	agcuacauugucugcuggguuu	Bovine lacking C at the 3' end
hsa-miR-223	ugucaguuuugucaaaauacccc	deleted	N	bta-miR-223	0009270	ugucaguuuugucaaaauaccca	Bovine an extra A at the 5' end
hsa-miR-224	caagucacuagugguuccguuuu	deleted	Y	bta-miR-224	0009271	caagucacuagugguuccguuuu	

hsa-miR-299	ugguuuaccguccacauacau	Y	Y	bta-299	0009274	ugguuuaccguccacauacau	
hsa-miR-302b	uaagugcuuccauguuuuaguag	Y	Y	bta-miR-302b	0009280	uaagugcuuccauguuuuaguag	
hsa-miR-302c	uaagugcuuccauguuucagugg	Y	Y	bta-miR-302c	0009281	uaagugcuuccauguuucagugg	
hsa-miR-320	aaaagcuggguugagaggcgaa	deleted	N	bta-miR-320	0003534	aaaagcuggguugagaggcgaa	Bovine lacking A at the 3' end
hsa-miR-323-3p	gcacauuacacggucgaccucu	deleted	Y	bta-miR-323	0009284	gcacauuacacggucgaccucu	
hsa-miR-324-5p	cgcauucccuagggaucuggugu	Y	Y	bta-miR-324	0009285	cgcauucccuagggaucuggugu	
hsa-miR-326	ccucugggcccuuccuccag	Y	Y	bta-miR-326	0009286	ccucugggcccuuccuccag	
hsa-miR-328	cuggcccucucugcccuuccgu	Y	Y	bta-miR-328	0009287	cuggcccucucugcccuuccgu	
hsa-miR-330-3p	gcaaagcacacggccugcagaga	Y	Y	bta-miR-330	0009290	gcaaagcacacggccugcagaga	
hsa-miR-331	gccccugggccuauccuagaa	Y	Y	bta-miR-331-3p	0004339	gccccugggccuauccuagaa	
hsa-miR-335	ucaagagcaauaacgaaaaugu	Y	Y	bta-miR-335	0009291	ucaagagcaauaacgaaaaugu	
hsa-miR-338	uccagcaucagugauuuuguuga	deleted	Y	bta-miR-338	0009292	uccagcaucagugauuuuguuga	
hsa-miR-339	uccuguccuccaggagcuca	deleted	N	bta-miR-339a	0009293	uccuguccuccaggagcucac	Bovine an extra C at the 3' end
hsa-miR-340	uccgucucaguuuuuauagcc	deleted	Y	bta-miR-340	0009296	uccgucucaguuuuuauagcc	
hsa-miR-367	aaauugcacuuuagcaugguga	Y	N	bta-miR-367	009299	gaauugcacuuuagcaugguga	Bovine an extra G at the 5' end
hsa-miR-370	gccugcugggguggaaccugg	deleted	N	bta-mir-370	0009300	gccugcugggguggaaccuggu	Bovine an extra U at the 3' end
hsa-miR-374a	uuauauacaaccugauaagug	Y	Y	bta-miR-374a	0004342	uuauauacaaccugauaagug	

^A(Griffiths-Jones *et al.* 2006)

Table S2. Expression levels in copies per cell of 81 miRNA yielding measurable values for at least one sample

Calculated based on following values: 8-cell embryos contained on average 8 cells, untreated blastocysts 116 cells, parthogenic blastocysts 124 cells and one Day 14 TE cell 15 pg of total RNA. n.e., expressed below detection limit. Primers exhibiting 1 base terminal mismatch are italicised

Primer	oocyte	8-cell	blastocyst	parth blast	14 TE	parth 14 TE
<i>abm000002_hsa-miR-9</i>	n.e.	350.9	275.8	166.2	6.1	40.4
abm000004_hsa-miR-10a	114.1	22.6	2.0	4.6	1.2	2.3
<i>abm000007_hsa-miR-15b</i>	598.8	344.6	743.6	434.7	67.1	147.6
<i>abm000008_hsa-miR-16</i>	6497.5	4104.4	1657.0	618.1	153.8	297.6
abm000011_hsa-miR-19a	n.e.	280.0	226.3	108.7	29.0	119.3
<i>abm000013_hsa-miR-20</i>	533.3	349.9	443.3	162.2	n.e.	148.5
<i>abm000016_hsa-miR-23a</i>	280.2	59.3	12.8	11.7	3.1	17.0
abm000017_hsa-miR-23b	n.e.	141.7	5.7	n.e.	n.e.	n.e.
abm000019_hsa-miR-25	209.6	138.3	213.1	220.6	29.9	57.8
abm000020_hsa-miR-26a	397.5	335.0	166.5	123.7	8.4	19.0
<i>abm000021_hsa-miR-26b</i>	406.4	103.6	250.8	44.9	11.1	50.6
<i>abm000023_hsa-miR-27b</i>	835.2	352.6	172.5	12.9	6.1	21.2
abm000024_hsa-miR-28	n.e.	17.0	25.4	34.6	3.5	8.7
<i>abm000025_hsa-miR-29a</i>	176.6	105.3	9.5	9.3	9.0	31.5
<i>abm000027_hsa-miR-29c</i>	661.4	100.3	268.3	255.7	n.e.	n.e.
<i>abm000029_hsa-miR-30b</i>	1040.0	1256.9	883.3	87.3	77.3	135.8
abm000030_hsa-miR-30c	209.3	326.0	178.4	67.1	18.1	30.7
<i>abm000033_hsa-miR-31</i>	n.e.	270.6	n.e.	2.4	2.1	12.5
abm000036_hsa-miR-34a	317.5	31.5	297.9	601.4	n.e.	n.e.
abm000038_hsa-miR-34c	99.7	11.5	2.0	1.4	0.3	0.7
abm000039_hsa-miR-92	1293.9	515.6	276.3	424.1	129.7	110.1
abm000041_hsa-miR-95	n.e.	n.e.	3.1	n.e.	n.e.	1.5
<i>abm000042_hsa-miR-96</i>	366.7	31.3	6.1	12.3	n.e.	4.2
abm000043_hsa-miR-98	n.e.	22.9	0.7	2.7	0.2	0.8
<i>abm000044_hsa-miR-99a</i>	283.1	162.2	12.0	11.2	0.7	n.e.

abm000046_hsa-miR-100	n.e.	39.5	2.3	n.e.	n.e.	0.3
abm000048_hsa-miR-103	404.6	497.1	270.1	399.2	27.8	47.1
<i>abm000053_hsa-miR-107</i>	236.2	107.4	22.6	42.6	4.9	5.9
<i>abm000054_hsa-miR-122a</i>	290.9	53.5	3.0	0.9	0.4	n.e.
abm000057_hsa-miR-125a	177.8	157.8	122.8	9.8	13.0	n.e.
abm000058_hsa-miR-125b	227.0	174.4	15.9	n.e.	n.e.	3.8
<i>abm000059_hsa-miR-126</i>	n.e.	n.e.	1.4	2.4	0.1	n.e.
<i>abm000061_hsa-miR-128a</i>	n.e.	65.6	36.5	42.5	n.e.	n.e.
<i>abm000063_hsa-miR-129</i>	n.e.	88.1	13.8	n.e.	n.e.	6.6
abm000065_hsa-miR-130b	327.0	129.6	66.8	32.0	59.0	n.e.
abm000066_hsa-miR-132	89.2	41.1	7.0	4.4	0.6	n.e.
abm000070_hsa-miR-135a	185.3	39.2	1.0	0.4	n.e.	0.2
abm000079_hsa-miR-142-5p	118.0	n.e.	0.2	n.e.	n.e.	0.3
<i>abm000088_hsa-miR-150</i>	433.7	195.7	24.9	21.5	5.2	2.5
<i>abm000089_hsa-miR-151</i>	175.1	59.1	126.0	80.1	n.e.	34.1
<i>abm000090_hsa-miR-152</i>	201.8	205.2	19.5	11.8	4.1	9.2
<i>abm000094_hsa-miR-155</i>	578.0	225.6	121.3	21.6	12.7	11.2
abm000101_hsa-miR-184	n.e.	22.5	22.5	1.3	0.2	0.3
<i>abm000103_hsa-miR-186</i>	780.8	211.9	819.6	437.4	76.0	177.1
abm000106_hsa-miR-189	n.e.	n.e.	n.e.	n.e.	0.1	0.1
abm000107_hsa-miR-190	125.5	n.e.	5.4	3.7	0.1	0.8
<i>abm000108_hsa-miR-191</i>	1040.2	734.4	537.2	599.4	76.1	83.8
<i>abm000109_hsa-miR-193</i>	692.9	67.9	67.4	51.5	11.2	12.8
abm000110_hsa-miR-194	281.8	n.e.	326.8	138.6	3.9	8.4
abm000111_hsa-miR-195	322.1	179.7	44.4	30.2	1.2	2.3
<i>abm000114_hsa-miR-199a</i>	n.e.	82.4	1.6	6.9	0.2	0.5
<i>abm000115_hsa-miR-199a*</i>	380.4	n.e.	10.1	12.5	0.2	1.2
<i>abm000118_hsa-miR-200a</i>	359.7	105.2	20.4	17.4	30.6	145.5
abm000123_hsa-miR-205	699.9	272.8	14.2	n.e.	n.e.	0.2
<i>abm000126_hsa-miR-210</i>	268.6	106.6	81.5	38.3	16.0	19.9
<i>abm000129_hsa-miR-214</i>	2457.3	102.5	8.1	14.0	0.9	0.8

<i>abm000130_hsa-miR-215</i>	371.0	56.2	73.4	51.0	3.9	8.2
<i>abm000131_hsa-miR-216</i>	366.9	56.0	0.7	n.e.	n.e.	0.3
<i>abm000133_hsa-miR-218</i>	n.e.	49.2	3.8	n.e.	n.e.	n.e.
<i>abm000134_hsa-miR-219</i>	n.e.	n.e.	4.7	n.e.	0.3	1.2
<i>abm000136_hsa-miR-221</i>	n.e.	71.4	32.3	26.5	1.5	4.2
<i>abm000138_hsa-miR-223</i>	338.7	n.e.	n.e.	7.1	n.e.	8.2
<i>abm000141_hsa-miR-299</i>	n.e.	n.e.	3.6	5.6	0.3	1.7
<i>abm000144_hsa-miR-302b</i>	135.1	n.e.	179.5	117.4	54.0	149.9
<i>abm000146_hsa-miR-302c</i>	n.e.	n.e.	90.6	38.4	41.9	n.e.
<i>abm000149_hsa-miR-320</i>	2629.1	650.4	592.5	655.9	197.8	224.3
<i>abm000151_hsa-miR-323</i>	118.4	22.0	1.0	10.5	0.2	n.e.
<i>abm000153_hsa-miR-324-5p</i>	n.e.	79.5	12.6	19.7	6.0	n.e.
<i>abm000156_hsa-miR-328</i>	91.7	41.3	1.9	n.e.	0.3	0.5
<i>abm000158_hsa-miR-331</i>	n.e.	n.e.	15.8	72.1	11.2	13.9
<i>abm000159_hsa-miR-335</i>	120.3	168.6	6.2	7.0	n.e.	0.4
<i>abm000161_hsa-miR-338</i>	112.3	111.3	n.e.	3.6	n.e.	n.e.
<i>abm000162_hsa-miR-339</i>	269.7	208.9	429.2	653.4	103.4	147.0
<i>abm000163_hsa-miR-340</i>	59.5	20.6	3.7	5.6	0.1	0.7
<i>abm000166_hsa-miR-367</i>	n.e.	n.e.	126.0	50.8	20.0	103.6
<i>abm000174_hsa-miR-374</i>	n.e.	28.1	64.9	389.1	2.3	10.2
<i>abm000175_hsa-let-7a</i>	167.9	290.7	41.1	9.8	1.9	43.6
<i>abm000176_hsa-let-7b</i>	427.1	257.3	20.7	15.4	8.7	28.9
<i>abm000177_hsa-let-7d</i>	445.0	353.1	63.8	24.9	4.2	29.1
<i>abm000178_hsa-let-7e</i>	214.0	28.1	2.5	3.5	0.2	0.6
<i>abm000179_hsa-let-7g</i>	132.2	92.3	14.3	8.2	0.3	4.5