

SUPPLEMENTARY INFORMATION

Defining quantification methods and optimizing protocols for microarray hybridization of circulating microRNAs.

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Table S1. RNA contents in five different concentrations of miRNA-Ref samples.

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Table S1: RNA contents in five different concentrations of miRNA-Ref

	Quantification platforms (ng/μL)							
	Nanoquant	normalized (*)	Nanodrop	normalized (*)	Qubit	normalized (*)	Bio-PicoChip	normalized (*)
	9.52	1.00	9.40	1.00	2.71	1.00	8.37	1.00
	9.12	0.96	9.60	1.02	2.69	0.99	8.32	1.02
	9.60	1.01	8.60	0.91	2.61	0.96	8.03	0.97
<i>Mean (SD)</i>	9.41 (0.26)		9.20 (0.53)		2.67 (0.05)		8.24 (0.18)	
<i>CV (%)</i>	2.73		5.75		1.98		2.20	
	22.40	2.35	22.60	2.40	6.64	2.45	20.12	2.44
	22.56	2.37	22.40	2.38	6.79	2.51	18.66	2.26
	22.88	2.40	22.30	2.37	6.43	2.37	20.09	2.44
<i>Mean (SD)</i>	22.61 (0.24)		22.43 (0.15)		6.62 (0.18)		19.62 (0.84)	
<i>CV (%)</i>	1.08		0.68		2.73		4.26	
	29.92	3.14	30.20	3.21	8.93	3.30	33.72	4.09
	30.96	3.25	29.90	3.18	8.64	3.19	32.63	3.96
	29.52	3.10	29.70	3.16	8.28	3.06	33.69	4.09
<i>Mean (SD)</i>	30.13 (0.74)		29.93 (0.21)		8.62 (0.33)		33.35 (0.62)	
<i>CV (%)</i>	2.47		0.69		3.78		1.86	
	39.76	4.18	40.20	4.28	12.59	4.65	43.19	5.24
	39.60	4.16	40.30	4.29	12.24	4.52	41.80	5.07
	39.04	4.10	40.00	4.26	12.59	4.65	43.00	5.22
<i>Mean (SD)</i>	39.47 (0.38)		40.17 (0.15)		12.47 (0.20)		42.66 (0.76)	
<i>CV (%)</i>	1.00		0.40		1.60		1.77	
	46.00	4.83	46.60	4.96	15.61	5.76	46.97	5.70
	46.00	4.83	46.60	4.96	15.05	5.55	48.60	5.90
	45.28	4.76	46.90	4.99	15.52	5.73	46.80	5.68
<i>Mean (SD)</i>	45.76 (0.42)		46.70 (0.17)		15.39 (0.30)		47.46 (0.99)	
<i>CV (%)</i>	0.91		0.37		1.95		2.10	

Table S2: 260/230 and 260/280 ratios of miRNA-Ref and plasma samples

miRNA-Ref			plasma samples		
Nanodrop (ng/ μ L)	<i>260/230 ratio</i>	<i>260/280 ratio</i>	Nanodrop (ng/ μ L)	<i>260/230 ratio</i>	<i>260/280 ratio</i>
9.40	2.03	1.93	18.40	0.17	1.28
9.60	2.29	1.78	16.20	0.16	1.27
8.60	2.25	2.31	19.80	0.19	1.26
22.60	1.94	2.03	27.80	0.14	1.21
22.40	2.03	1.96	26.60	0.14	1.20
22.30	1.91	1.86	27.60	0.14	1.21
30.20	1.93	1.95	39.80	0.13	1.22
29.90	1.94	2.01	36.50	0.12	1.22
29.70	1.95	2.02	41.20	0.13	1.22
40.20	1.99	1.97	54.50	0.15	1.21
40.30	1.91	1.99	50.30	0.14	1.21
40.00	1.89	1.97	46.40	0.13	1.21
46.60	1.95	1.99	61.10	0.14	1.19
46.60	1.94	1.98	57.40	0.13	1.19
46.90	1.94	1.99	62.60	0.14	1.17
<i>Mean (SD)</i>	<i>1.99 (0.12)</i>	<i>1.98 (0.11)</i>		<i>0.14 (0.02)</i>	<i>1.22 (0.03)</i>

Table S3: RNA contents in five different concentrations of plasma samples

		Quantification platforms (ng/μL)							
	Nanoquant	<i>normalized (*)</i>	Nanodrop	<i>normalized (*)</i>	Qubit	<i>normalized (*)</i>	Bio-PicoChip	<i>normalized (*)</i>	
	13.92	1.05	18.40	1.00	3.44	1.48	0.330	1.00	
	13.28	1.00	16.20	0.88	1.77	0.76	0.228	0.69	
	13.92	1.05	19.80	1.08	2.33	1.00	0.249	0.75	
<i>Mean (SD)</i>	13.71 (0.37)		18.13 (1.81)		2.51 (0.85)		0.269 (0.054)		
<i>CV (%)</i>	2.70		10.01		33.82		20.02		
	19.52	1.47	27.80	1.51	4.16	1.79	0.330	1.00	
	19.04	1.43	26.60	1.45	4.07	1.75	---	---	
	18.88	1.42	27.60	1.50	3.95	1.70	0.275	0.83	
<i>Mean (SD)</i>	19.15 (0.33)		27.33 (0.64)		4.06 (0.10)		0.303 (0.039)		
<i>CV (%)</i>	1.74		2.35		2.59		12.86		
	28.64	2.16	39.80	2.16	5.88	2.52	0.312	0.95	
	28.40	2.14	36.50	1.98	5.77	2.48	0.351	1.06	
	27.60	2.08	41.20	2.24	5.68	2.44	0.366	1.11	
<i>Mean (SD)</i>	28.21 (0.54)		39.17 (2.41)		5.78 (0.10)		0.343 (0.028)		
<i>CV (%)</i>	1.93		6.16		1.73		8.13		
	35.28	2.66	54.50	2.96	7.19	3.09	0.320	0.97	
	36.88	2.78	50.30	2.73	7.33	3.15	0.340	1.03	
	32.64	2.46	46.40	2.52	7.44	3.19	---	---	
<i>Mean (SD)</i>	34.93 (2.14)		50.40 (4.05)		7.32 (0.13)		0.330 (0.014)		
<i>CV (%)</i>	6.13		8.04		1.71		4.29		
	39.60	2.98	61.10	3.32	9.11	3.91	0.403	1.22	
	39.12	2.95	57.40	3.12	9.22	3.96	0.222	0.67	
	34.24	2.58	62.60	3.40	9.08	3.90	0.385	1.17	
<i>Mean (SD)</i>	37.65 (2.97)		60.37 (2.68)		9.14 (0.07)		0.337 (0.100)		
<i>CV (%)</i>	7.88		4.43		0.81		29.62		

Table 4: Percentage of miRNA in miRNA-Ref samples

10 ng/μL working dilution	% of miRNA
1	21
2	21
3	20
4	21
5	23
6	23
7	25
8	24
9	23
10	23
<i>Mean (SD)</i>	22 (1.58)

Table S5: List of miRNAs detected in the miRNA-Ref arrays

hsa-mir-1224	hsa-mir-523	hsa-miR-1228
hsa-mir-124-1	hsa-mir-525	hsa-miR-122
hsa-mir-124-2	hsa-mir-525	hsa-miR-1231
hsa-mir-124-3	hsa-mir-548ai	hsa-miR-1238
hsa-mir-197	hsa-mir-548ai	hsa-miR-124-star
hsa-mir-200b	hsa-mir-550a-1	hsa-miR-1246
hsa-mir-20b	hsa-mir-550a-2	hsa-miR-1247
hsa-mir-20b	hsa-mir-550a-3	hsa-miR-124
hsa-mir-214	hsa-mir-572	hsa-miR-125a-3p
hsa-mir-23a	hsa-mir-629	hsa-miR-125a-5p
hsa-mir-302c	hsa-mir-663	hsa-miR-125b-1-star
hsa-mir-30c-2	hsa-mir-885	hsa-miR-125b-2-star
hsa-mir-3154	hsa-mir-933	hsa-miR-125b
hsa-mir-3180-1	hsa-mir-935	hsa-miR-1260b
hsa-mir-3180-3	hsa-mir-941-3	hsa-miR-1268
hsa-mir-3180-4	hsa-mir-941-4	hsa-miR-1268b
hsa-mir-339	hsa-mir-99b	hsa-miR-126
hsa-mir-3648	hsa-let-7a	hsa-miR-127-3p
hsa-mir-3656	hsa-let-7b	hsa-miR-1271
hsa-mir-3676	hsa-let-7c	hsa-miR-1275
hsa-mir-3679	hsa-let-7d-star	hsa-miR-1280
hsa-mir-3687	hsa-let-7d	hsa-miR-1281
hsa-mir-3960	hsa-let-7e	hsa-miR-1287
hsa-mir-423	hsa-let-7f	hsa-miR-128
hsa-mir-4449	hsa-let-7g	hsa-miR-129-3p
hsa-mir-4466	hsa-let-7i	hsa-miR-129-5p
hsa-mir-4469	hsa-miR-100	hsa-miR-1296
hsa-mir-4485	hsa-miR-103a	hsa-miR-1301
hsa-mir-4523	hsa-miR-105	hsa-miR-1307
hsa-mir-4634	hsa-miR-106a	hsa-miR-130a
hsa-mir-4758	hsa-miR-106b-star	hsa-miR-130b
hsa-mir-4758	hsa-miR-106b	hsa-miR-1323
hsa-mir-4785	hsa-miR-107	hsa-miR-132
hsa-mir-4787	hsa-miR-10a	hsa-miR-133a
hsa-mir-485	hsa-miR-10b-star	hsa-miR-133b
hsa-mir-500b	hsa-miR-10b	hsa-miR-134
hsa-mir-502	hsa-miR-1180	hsa-miR-135a-star
hsa-mir-5095	hsa-miR-1202	hsa-miR-137
hsa-mir-516a-1	hsa-miR-1207-5p	hsa-miR-138-1-star
hsa-mir-516a-2	hsa-miR-1224-5p	hsa-miR-138-2-star
hsa-mir-516b-1	hsa-miR-1225-5p	hsa-miR-138
hsa-mir-518e	hsa-miR-1226	hsa-miR-139-3p
hsa-mir-520g	hsa-miR-1228-star	hsa-miR-139-5p

hsa-miR-140-3p	hsa-miR-1909	hsa-miR-219-2-3p
hsa-miR-140-5p	hsa-miR-191-star	hsa-miR-21
hsa-miR-141	hsa-miR-1910	hsa-miR-22-star
hsa-miR-143-star	hsa-miR-1915	hsa-miR-221
hsa-miR-143	hsa-miR-191	hsa-miR-222
hsa-miR-145	hsa-miR-192-star	hsa-miR-223
hsa-miR-1469	hsa-miR-192	hsa-miR-224-star
hsa-miR-146a	hsa-miR-193a-5p	hsa-miR-224
hsa-miR-146b-5p	hsa-miR-193b-star	hsa-miR-2277-5p
hsa-miR-148a	hsa-miR-193b	hsa-miR-22
hsa-miR-148b	hsa-miR-194-star	hsa-miR-2392
hsa-miR-149-star	hsa-miR-194	hsa-miR-23a-star
hsa-miR-149	hsa-miR-195	hsa-miR-23a
hsa-miR-150-star	hsa-miR-196a	hsa-miR-23b-star
hsa-miR-150	hsa-miR-196b	hsa-miR-23b
hsa-miR-151-3p	hsa-miR-1972	hsa-miR-23c
hsa-miR-151-5p	hsa-miR-1973	hsa-miR-24-2-star
hsa-miR-151b	hsa-miR-197	hsa-miR-24
hsa-miR-152	hsa-miR-199a-3p	hsa-miR-25-star
hsa-miR-153	hsa-miR-199a-5p	hsa-miR-25
hsa-miR-154	hsa-miR-199b-3p	hsa-miR-26a
hsa-miR-155	hsa-miR-199b-5p	hsa-miR-26b
hsa-miR-1587	hsa-miR-19a	hsa-miR-27a-star
hsa-miR-15a	hsa-miR-19b	hsa-miR-27a
hsa-miR-15b	hsa-miR-1	hsa-miR-27b-star
hsa-miR-16	hsa-miR-200a-star	hsa-miR-27b
hsa-miR-17-star	hsa-miR-200a	hsa-miR-28-3p
hsa-miR-17	hsa-miR-200b-star	hsa-miR-28-5p
hsa-miR-181a-2-star	hsa-miR-200b	hsa-miR-2861
hsa-miR-181a-star	hsa-miR-200c	hsa-miR-296-3p
hsa-miR-181a	hsa-miR-202	hsa-miR-299-3p
hsa-miR-181b	hsa-miR-203	hsa-miR-299-5p
hsa-miR-181c-star	hsa-miR-204	hsa-miR-29a
hsa-miR-181c	hsa-miR-205	hsa-miR-29b-1-star
hsa-miR-181d	hsa-miR-206	hsa-miR-29b-2-star
hsa-miR-1825	hsa-miR-20a	hsa-miR-29b
hsa-miR-182	hsa-miR-20b-star	hsa-miR-29c-star
hsa-miR-183	hsa-miR-20b	hsa-miR-29c
hsa-miR-184	hsa-miR-210	hsa-miR-302a-star
hsa-miR-185	hsa-miR-2110	hsa-miR-302a
hsa-miR-187	hsa-miR-212	hsa-miR-302b
hsa-miR-188-5p	hsa-miR-214-star	hsa-miR-302c-star
hsa-miR-18a-star	hsa-miR-214	hsa-miR-302c
hsa-miR-18a	hsa-miR-215	hsa-miR-302d-star
hsa-miR-18b	hsa-miR-216b	hsa-miR-302d
hsa-miR-1908	hsa-miR-217	hsa-miR-30a-star

hsa-miR-30a	hsa-miR-34a	hsa-miR-3911
hsa-miR-30b-star	hsa-miR-34b-star	hsa-miR-3937
hsa-miR-30b	hsa-miR-34c-3p	hsa-miR-3940-5p
hsa-miR-30c-2-star	hsa-miR-34c-5p	hsa-miR-3960
hsa-miR-30c	hsa-miR-3607-5p	hsa-miR-409-3p
hsa-miR-30d	hsa-miR-3609	hsa-miR-409-5p
hsa-miR-30e-star	hsa-miR-361-5p	hsa-miR-410
hsa-miR-30e	hsa-miR-3613-3p	hsa-miR-411-star
hsa-miR-31-star	hsa-miR-3615	hsa-miR-411
hsa-miR-3124-5p	hsa-miR-3619-5p	hsa-miR-421
hsa-miR-3135b	hsa-miR-362-5p	hsa-miR-422a
hsa-miR-3141	hsa-miR-3621	hsa-miR-423-3p
hsa-miR-3162-5p	hsa-miR-363	hsa-miR-423-5p
hsa-miR-3175	hsa-miR-3648	hsa-miR-424-star
hsa-miR-3178	hsa-miR-3651	hsa-miR-424
hsa-miR-3180-3p	hsa-miR-3652	hsa-miR-425-star
hsa-miR-3180	hsa-miR-3656	hsa-miR-4253
hsa-miR-3185	hsa-miR-3663-3p	hsa-miR-425
hsa-miR-3188	hsa-miR-3665	hsa-miR-4269
hsa-miR-3195	hsa-miR-3679-5p	hsa-miR-4270
hsa-miR-3196	hsa-miR-3687	hsa-miR-4281
hsa-miR-3197	hsa-miR-370	hsa-miR-4284
hsa-miR-31	hsa-miR-371-3p	hsa-miR-4286
hsa-miR-3200-3p	hsa-miR-371-5p	hsa-miR-4298
hsa-miR-320a	hsa-miR-371b-5p	hsa-miR-4306
hsa-miR-320b	hsa-miR-372	hsa-miR-4310
hsa-miR-320c	hsa-miR-373	hsa-miR-4317
hsa-miR-320d	hsa-miR-374b	hsa-miR-431
hsa-miR-320e	hsa-miR-375	hsa-miR-4322
hsa-miR-323-3p	hsa-miR-376a	hsa-miR-4324
hsa-miR-324-3p	hsa-miR-376c	hsa-miR-4329
hsa-miR-324-5p	hsa-miR-377-star	hsa-miR-432
hsa-miR-328	hsa-miR-378-star	hsa-miR-433
hsa-miR-329	hsa-miR-378	hsa-miR-4417
hsa-miR-330-3p	hsa-miR-378b	hsa-miR-4429
hsa-miR-331-3p	hsa-miR-378c	hsa-miR-4430
hsa-miR-331-5p	hsa-miR-378d	hsa-miR-4433
hsa-miR-335	hsa-miR-378e	hsa-miR-4443
hsa-miR-337-5p	hsa-miR-378f	hsa-miR-4449
hsa-miR-338-5p	hsa-miR-378g	hsa-miR-4454
hsa-miR-339-3p	hsa-miR-378h	hsa-miR-4458
hsa-miR-339-5p	hsa-miR-378i	hsa-miR-4459
hsa-miR-342-3p	hsa-miR-379	hsa-miR-4462
hsa-miR-342-5p	hsa-miR-381	hsa-miR-4463
hsa-miR-345	hsa-miR-382	hsa-miR-4465
hsa-miR-346	hsa-miR-383	hsa-miR-4466

hsa-miR-4467	hsa-miR-4721	hsa-miR-509-3p
hsa-miR-4484	hsa-miR-4728-5p	hsa-miR-509-5p
hsa-miR-4485	hsa-miR-4732-5p	hsa-miR-510
hsa-miR-4486	hsa-miR-4734	hsa-miR-512-3p
hsa-miR-4487	hsa-miR-4739	hsa-miR-512-5p
hsa-miR-4488	hsa-miR-4741	hsa-miR-513a-5p
hsa-miR-4492	hsa-miR-4743	hsa-miR-513b
hsa-miR-4497	hsa-miR-4745-5p	hsa-miR-513c
hsa-miR-4498	hsa-miR-4749-5p	hsa-miR-514
hsa-miR-449a	hsa-miR-4750	hsa-miR-514b-5p
hsa-miR-449b-star	hsa-miR-4758-5p	hsa-miR-515-3p
hsa-miR-449b	hsa-miR-4763-3p	hsa-miR-515-5p
hsa-miR-449c	hsa-miR-4764-5p	hsa-miR-516a-5p
hsa-miR-4505	hsa-miR-4787-5p	hsa-miR-516b
hsa-miR-4507	hsa-miR-4800-3p	hsa-miR-517-star
hsa-miR-4508	hsa-miR-483-5p	hsa-miR-517a
hsa-miR-4510	hsa-miR-484	hsa-miR-517b
hsa-miR-4516	hsa-miR-485-3p	hsa-miR-517c
hsa-miR-451	hsa-miR-485-5p	hsa-miR-518a-3p
hsa-miR-4521	hsa-miR-486-3p	hsa-miR-518a-5p
hsa-miR-452	hsa-miR-486-5p	hsa-miR-518b
hsa-miR-4530	hsa-miR-487a	hsa-miR-518c-star
hsa-miR-4532	hsa-miR-487b	hsa-miR-518d-5p
hsa-miR-4534	hsa-miR-489	hsa-miR-518e-star
hsa-miR-4539	hsa-miR-490-5p	hsa-miR-518e
hsa-miR-454	hsa-miR-491-5p	hsa-miR-518f-star
hsa-miR-455-3p	hsa-miR-493-star	hsa-miR-518f
hsa-miR-4634	hsa-miR-493	hsa-miR-519a-star
hsa-miR-4640-5p	hsa-miR-494	hsa-miR-519a
hsa-miR-4649-5p	hsa-miR-495	hsa-miR-519b-3p
hsa-miR-4651	hsa-miR-497	hsa-miR-519b-5p
hsa-miR-4655-5p	hsa-miR-498	hsa-miR-519c-3p
hsa-miR-4656	hsa-miR-499-5p	hsa-miR-519c-5p
hsa-miR-4665-5p	hsa-miR-500a-star	hsa-miR-519d
hsa-miR-4668-5p	hsa-miR-500a	hsa-miR-519e-star
hsa-miR-4669	hsa-miR-501-3p	hsa-miR-520a-3p
hsa-miR-4674	hsa-miR-501-5p	hsa-miR-520a-5p
hsa-miR-4685-5p	hsa-miR-502-3p	hsa-miR-520c-5p
hsa-miR-4687-3p	hsa-miR-503	hsa-miR-520d-3p
hsa-miR-4688	hsa-miR-504	hsa-miR-520d-5p
hsa-miR-4689	hsa-miR-505-star	hsa-miR-520g
hsa-miR-4690-5p	hsa-miR-505	hsa-miR-520h
hsa-miR-4695-5p	hsa-miR-506	hsa-miR-522-star
hsa-miR-4706	hsa-miR-508-3p	hsa-miR-522
hsa-miR-4707-5p	hsa-miR-508-5p	hsa-miR-523-star
hsa-miR-4710	hsa-miR-509-3-5p	hsa-miR-523

hsa-miR-524-3p	hsa-miR-629-star	hsa-miR-874
hsa-miR-524-5p	hsa-miR-629	hsa-miR-875-3p
hsa-miR-525-3p	hsa-miR-638	hsa-miR-877
hsa-miR-525-5p	hsa-miR-642b	hsa-miR-885-3p
hsa-miR-526a	hsa-miR-652	hsa-miR-885-5p
hsa-miR-526b	hsa-miR-654-3p	hsa-miR-891a
hsa-miR-527	hsa-miR-654-5p	hsa-miR-9-star
hsa-miR-532-3p	hsa-miR-660	hsa-miR-92a-1-star
hsa-miR-532-5p	hsa-miR-663	hsa-miR-92a
hsa-miR-542-5p	hsa-miR-664-star	hsa-miR-92b-star
hsa-miR-543	hsa-miR-665	hsa-miR-92b
hsa-miR-548ak	hsa-miR-671-5p	hsa-miR-93-star
hsa-miR-550a-star	hsa-miR-675-star	hsa-miR-933
hsa-miR-550a	hsa-miR-675	hsa-miR-934
hsa-miR-551b-star	hsa-miR-7-1-star	hsa-miR-935
hsa-miR-572	hsa-miR-708	hsa-miR-939
hsa-miR-574-3p	hsa-miR-720	hsa-miR-93
hsa-miR-574-5p	hsa-miR-744	hsa-miR-940
hsa-miR-578	hsa-miR-760	hsa-miR-941
hsa-miR-584	hsa-miR-762	hsa-miR-98
hsa-miR-598	hsa-miR-766	hsa-miR-99a
hsa-miR-602	hsa-miR-767-5p	hsa-miR-99b-star
hsa-miR-625	hsa-miR-769-5p	hsa-miR-99b
hsa-miR-628-3p	hsa-miR-770-5p	hsa-miR-9

Table S6: List of miRNAs detected in the human plasma arrays

hsa-let-7b-5p	hsa-miR-4484	hsa-miR-663a
hsa-miR-1227-5p	hsa-miR-4487	hsa-mir-6722
hsa-miR-1228-5p	hsa-miR-4488	hsa-miR-6722-3p
hsa-miR-1237-5p	hsa-miR-4492	hsa-miR-6724-5p
hsa-miR-1268a	hsa-miR-4497	hsa-miR-6727-5p
hsa-miR-1268b	hsa-miR-4508	hsa-miR-6729-5p
hsa-miR-1273g-3p	hsa-miR-4516	hsa-miR-6732-5p
hsa-miR-1281	hsa-miR-4529-3p	hsa-miR-6750-5p
hsa-miR-1343-5p	hsa-miR-4530	hsa-miR-6752-5p
hsa-miR-1469	hsa-miR-4532	hsa-miR-6756-5p
hsa-miR-149-3p	hsa-miR-4632-5p	hsa-miR-6765-5p
hsa-miR-1908-5p	hsa-miR-4668-5p	hsa-miR-6771-5p
hsa-miR-1915-3p	hsa-miR-4687-3p	hsa-miR-6775-5p
hsa-miR-2277-5p	hsa-miR-4695-5p	hsa-mir-6776
hsa-miR-2861	hsa-miR-4701-3p	hsa-miR-6777-5p
hsa-miR-297	hsa-miR-4706	hsa-miR-6779-5p
hsa-miR-3064-5p	hsa-miR-4707-5p	hsa-miR-6786-5p
hsa-miR-3128	hsa-miR-4739	hsa-miR-6789-5p
hsa-miR-3141	hsa-miR-4745-5p	hsa-miR-6791-5p
hsa-miR-3148	hsa-miR-4763-3p	hsa-miR-6794-5p
hsa-miR-3196	hsa-miR-4787-5p	hsa-mir-6800
hsa-miR-3201	hsa-miR-486-5p	hsa-miR-6800-5p
hsa-miR-320a	hsa-miR-5001-5p	hsa-miR-6803-5p
hsa-miR-320b	hsa-mir-520g	hsa-miR-6805-5p
hsa-miR-320c	hsa-mir-520h	hsa-miR-6816-5p
hsa-miR-320d	hsa-mir-550a-1	hsa-miR-6821-5p
hsa-miR-320e	hsa-mir-550a-2	hsa-miR-6850-5p
hsa-miR-3613-3p	hsa-mir-550a-3	hsa-miR-6858-5p
hsa-miR-3620-5p	hsa-miR-5787	hsa-miR-6869-5p
hsa-miR-3621	hsa-miR-595	hsa-miR-7108-5p
hsa-miR-3656	hsa-miR-6068	hsa-miR-7110-5p
hsa-miR-3665	hsa-miR-6085	hsa-mir-7515
hsa-miR-378h	hsa-miR-6087	hsa-miR-762
hsa-miR-3940-5p	hsa-miR-6088	hsa-miR-7704
hsa-miR-3960	hsa-miR-6089	hsa-miR-8069
hsa-miR-4281	hsa-miR-6090	hsa-miR-8072
hsa-miR-4429	hsa-miR-6125	hsa-miR-8075
hsa-miR-4440	hsa-miR-6126	hsa-miR-8084
hsa-miR-4466	hsa-miR-638	
hsa-miR-4467	hsa-miR-6511b-5p	

