Supplemetary Table 1. LNA primers against 179 circulating miRNAs used for plate screening.

miRname (human)	Order in 384 (for sorting by row)	Order in 384 (for sorting by column)	Panel plate position	microRNA target sequence	Corresponding LNA™ microRNA PCR primer set (Prod No)	Sample	Assay type	Comments
hsa-miR-20a	1	1	A01	UAAAGUGCUUAUAGUGCAGGUAG	204292	S1	GOI	
hsa-miR-497	2	17	A02	CAGCAGCACACUGUGGUUUGU	204354	S1	GOI	
hsa-miR-19b	3	33	A03	UGUGCAAAUCCAUGCAAAACUGA	204450	S1	GOI	
hsa-miR-532-3p	4	49	A04	CCUCCCACACCCAAGGCUUGCA	204003	S1	GOI	
hsa-miR-126	5	65	A05	UCGUACCGUGAGUAAUAAUGCG	204227	S1	GOI	
hsa-miR-142-5p	6	81	A06	CAUAAAGUAGAAAGCACUACU	204722	S1	GOI	
hsa-miR-24	7	97	A07	UGGCUCAGUUCAGCAGGAACAG	204260	S1	GOI	
hsa-miR-210	8	113	A08	CUGUGCGUGUGACAGCGGCUGA	204333	S1	GOI	
hsa-miR-223	9	129	A09	UGUCAGUUUGUCAAAUACCCCA	204256	S1	GOI	
hsa-let-7a	10	145	A10	UGAGGUAGUAGGUUGUAUAGUU	204775	S1	GOI	
hsa-miR-15a	11	161	A11	UAGCAGCACAUAAUGGUUUGUG	204066	S1	GOI	
hsa-miR-30e	12	177	A12	UGUAAACAUCCUUGACUGGAAG	204774	S1	GOI	
hsa-miR-21	13	193	A13	UAGCUUAUCAGACUGAUGUUGA	204230	S1	GOI	
hsa-miR-140-5p	14	209	A14	CAGUGGUUUUACCCUAUGGUAG	204540	S1	GOI	
hsa-miR-150	15	225	A15	UCUCCCAACCCUUGUACCAGUG	204660	S1	GOI	
hsa-miR-328	16	241	A16	CUGGCCCUCUCUGCCCUUCCGU	204364	S1	GOI	
hsa-miR-23a	17	257	A17	AUCACAUUGCCAGGGAUUUCC	204772	S1	GOI	
UniSp3 IPC	18	273	A18			S1	IPC	Inter-plate calibrator
UniSp3 IPC	19	289	A19			S1	IPC	Inter-plate calibrator
hsa-miR-16-2*	20	305	A20	CCAAUAUUACUGUGCUGCUUUA	204309	S1	GOI	
hsa-miR-320a	21	321	A21	AAAAGCUGGGUUGAGAGGGCGA	204154	S1	GOI	
hsa-miR-339-5p	22	337	A22	UCCCUGUCCUCCAGGAGCUCACG	204153	S1	GOI	
hsa-miR-451	23	353	A23	AAACCGUUACCAUUACUGAGUU	204734	S1	GOI	May be useful as quality control for sample purification
hsa-miR-451	24	369	A24	AAACCGUUACCAUUACUGAGUU	204734	S1	GOI	May be useful as quality control for sample purification
hsa-miR-20a	25	2	B01	UAAAGUGCUUAUAGUGCAGGUAG	204292	S2	GOI	
hsa-miR-497	26	18	B02	CAGCAGCACACUGUGGUUUGU	204354	S2	GOI	
hsa-miR-19b	27	34	B03	UGUGCAAAUCCAUGCAAAACUGA	204450	S2	GOI	
hsa-miR-532-3p	28	50	B04	CCUCCCACACCCAAGGCUUGCA	204003	S2	GOI	
hsa-miR-126	29	66	B05	UCGUACCGUGAGUAAUAAUGCG	204227	S2	GOI	
hsa-miR-142-5p	30	82	B06	CAUAAAGUAGAAAGCACUACU	204722	S2	GOI	
hsa-miR-24	31	98	B07	UGGCUCAGUUCAGCAGGAACAG	204260	S2	GOI	
hsa-miR-210	32	114	B08	CUGUGCGUGUGACAGCGGCUGA	204333	S2	GOI	
hsa-miR-223	33	130	B09	UGUCAGUUUGUCAAAUACCCCA	204256	S2	GOI	
hsa-let-7a	34	146	B10	UGAGGUAGUAGGUUGUAUAGUU	204775	S2	GOI	
hsa-miR-15a	35	162	B11	UAGCAGCACAUAAUGGUUUGUG	204066	S2	GOI	
hsa-miR-30e	36	178	B12	UGUAAACAUCCUUGACUGGAAG	204774	S2	GOI	
hsa-miR-21	37	194	B13	UAGCUUAUCAGACUGAUGUUGA	204230	S2	GOI	
hsa-miR-140-5p	38	210	B14	CAGUGGUUUUACCCUAUGGUAG	204540	S2	GOI	
hsa-miR-150	39	226	B15	UCUCCCAACCCUUGUACCAGUG	204660	S2	GOI	
hsa-miR-328	40	242	B16	CUGGCCCUCUCUGCCCUUCCGU	204364	S2	GOI	
hsa-miR-23a	41	258	B17	AUCACAUUGCCAGGGAUUUCC	204772	S2	GOI	
UniSp3 IPC	42	274	B18			S2	IPC	Inter-plate calibrator
UniSp3 IPC	43	290	B19			S2	IPC	Inter-plate calibrator
hsa-miR-16-2*	44	306	B20	CCAAUAUUACUGUGCUGCUUUA	204309	S2	GOI	
hsa-miR-320a	45	322	B21	AAAAGCUGGGUUGAGAGGGCGA	204154	S2	GOI	
hsa-miR-339-5p	46	338	B22	UCCCUGUCCUCCAGGAGCUCACG	204153	S2	GOI	
hsa-miR-451	47	354	B23	AAACCGUUACCAUUACUGAGUU	204734	S2	GOI	May be useful as quality control for sample purification
hsa-miR-451	48	370	B24	AAACCGUUACCAUUACUGAGUU	204734	S2	GOI	May be useful as quality control for sample purification
hsa-miR-106a	49	3	C01	AAAAGUGCUUACAGUGCAGGUAG	204563	S1	GOI	
hsa-miR-144*	50	19	C02	GGAUAUCAUCAUAUACUGUAAG	204670	S1	GOI	
hsa-miR-142-3p	51	35	C03	UGUAGUGUUUCCUACUUUAUGGA	204291	S1	GOI	
hsa-miR-339-3p	52	51	C04	UGAGCGCCUCGACGACAGAGCCG	204160	S1	GOI	
hsa-miR-486-5p	53	67	C05	UCCUGUACUGAGCUGCCCCGAG	204001	S1	GOI	
hsa-miR-584	54	83	C06	UUAUGGUUUGCCUGGGACUGAG	204568	S1	GOI	
hsa-miR-320b	55	99	C07	AAAAGCUGGGUUGAGAGGGCAA	204524	S1	GOI	
hsa-let-7e	56	115	C08	UGAGGUAGGAGGUUGUAUAGUU	204428	S1	GOI	

Supplemetary Table 1. LNA primers against 179 circulating miRNAs used for plate screening.

hsa-let-7g	57	131	C09	UGAGGUAGUAGUUUGUACAGUU	204565	S1	GOI	
hsa-miR-205	58	147	C10	UCCUUCAUUCCACCGGAGUCUG	204487	S1	GOI	
hsa-miR-27a	59	163	C11	UUCACAGUGGCUAAGUUCCGC	204764	S1	GOI	
hsa-miR-28-3p	60	179	C12	CACUAGAUUGUGAGCUCCUGGA	204119	S1	GOI	
hsa-miR-15b	61	195	C13	UAGCAGCACAUCAUGGUUUACA	204243	S1	GOI	
hsa-miR-155	62	211	C14	UUAAUGCUAAUCGUGAUAGGGGU	204308	S1	GOI	
hsa-miR-101	63	227	C15	UACAGUACUGUGAUAACUGAA	204786	S1	GOI	
hsa-miR-374a	64	243	C16	UUAUAAUACAACCUGAUAAGUG	204758	S1	GOI	
hsa-miR-26a	65	259	C17	UUCAAGUAAUCCAGGAUAGGCU	204724	S1	GOI	
UniSp3 IPC	66	275	C18			S1	IPC	Inter-plate calibrator
UniSp3 IPC	67	291	C19			S1	IPC	Inter-plate calibrator
hsa-miR-92a	68	307	C20	UAUUGCACUUGUCCCGGCCUGU	204258	S1	GOI	
hsa-miR-221	69	323	C21	AGCUACAUUGUCUGCUGGGUUUC	204532	S1	GOI	
hsa-miR-28-5p	70	339	C22	AAGGAGCUCACAGUCUAUUGAG	204322	S1	GOI	
hsa-miR-16	71	355	C23	UAGCAGCACGUAAAUAUUGGCG	204409	S1	GOI	May be useful as quality control for sample purification
hsa-miR-16	72	371	C24	UAGCAGCACGUAAAUAUUGGCG	204409	S1	GOI	May be useful as quality control for sample purification
hsa-miR-106a	73	4	D01	AAAAGUGCUUACAGUGCAGGUAG	204563	S2	GOI	
hsa-miR-144*	74	20	D02	GGAUAUCAUCAUAUACUGUAAG	204670	S2	GOI	
hsa-miR-142-3p	75	36	D03	UGUAGUGUUUCCUACUUUAUGGA	204291	S2	GOI	
hsa-miR-339-3p	76	52	D04	UGAGCGCCUCGACGACAGAGCCG	204160	S2	GOI	
hsa-miR-486-5p	77	68	D05	UCCUGUACUGAGCUGCCCCGAG	204001	S2	GOI	
hsa-miR-584	78	84	D06	UUAUGGUUUGCCUGGGACUGAG	204568	S2	GOI	
hsa-miR-320b	79	100	D07	AAAAGCUGGGUUGAGAGGGCAA	204524	S2	GOI	
hsa-let-7e	80	116	D08	UGAGGUAGGAGGUUGUAUAGUU	204428	S2	GOI	
hsa-let-7g	81	132	D09	UGAGGUAGUAGUUUGUACAGUU	204565	S2	GOI	
hsa-miR-205	82	148	D10	UCCUUCAUUCCACCGGAGUCUG	204487	S2	GOI	
hsa-miR-27a	83	164	D11	UUCACAGUGGCUAAGUUCCGC	204764	S2	GOI	
hsa-miR-28-3p	84	180	D12	CACUAGAUUGUGAGCUCCUGGA	204119	S2	GOI	
hsa-miR-15b	85	196	D13	UAGCAGCACAUCAUGGUUUACA	204243	S2	GOI	
hsa-miR-155	86	212	D14	UUAAUGCUAAUCGUGAUAGGGGU	204308	S2	GOI	
hsa-miR-101	87	228	D15	UACAGUACUGUGAUAACUGAA	204786	S2	GOI	
hsa-miR-374a	88	244	D16	UUAUAAUACAACCUGAUAAGUG	204758	S2	GOI	
hsa-miR-26a	89	260	D17	UUCAAGUAAUCCAGGAUAGGCU	204724	S2	GOI	
UniSp3 IPC	90	276	D18			S2	IPC	Inter-plate calibrator
UniSp3 IPC	91	292	D19			S2	IPC	Inter-plate calibrator
hsa-miR-92a	92	308	D20	UAUUGCACUUGUCCCGGCCUGU	204258	S2	GOI	
hsa-miR-221	93	324	D21	AGCUACAUUGUCUGCUGGGUUUC	204532	S2	GOI	
hsa-miR-28-5p	94	340	D22	AAGGAGCUCACAGUCUAUUGAG	204322	S2	GOI	
hsa-miR-16	95	356	D23	UAGCAGCACGUAAAUAUUGGCG	204409	S2	GOI	May be useful as quality control for sample purification
hsa-miR-16	96	372	D24	UAGCAGCACGUAAAUAUUGGCG	204409	S2	GOI	May be useful as quality control for sample purification
hsa-miR-185	97	5	E01	UGGAGAGAAAGGCAGUUCCUGA	204475	S1	GOI	
hsa-miR-20b	98	21	E02	CAAAGUGCUCAUAGUGCAGGUAG	204755	S1	GOI	
hsa-miR-107	99	37	E03	AGCAGCAUUGUACAGGGCUAUCA	204468	S1	GOI	
hsa-miR-502-3p	100	53	E04	AAUGCACCUGGGCAAGGAUUCA	204043	S1	GOI	
hsa-miR-222	101	69	E05	AGCUACAUCUGGCUACUGGGU	204551	S1	GOI	
hsa-miR-93*	102	85	E06	ACUGCUGAGCUAGCACUUCCCG	204470	S1	GOI	
hsa-miR-342-3p	103	101	E07	UCUCACACAGAAAUCGCACCCGU	204511	S1	GOI	
hsa-miR-30a	104	117	E08	UGUAAACAUCCUCGACUGGAAG	204791	S1	GOI	
hsa-miR-1974	105	133	E09	UGGUUGUAGUCCGUGCGAGAAUA	204662	S1	GOI	Obsolete in miRbase 16
hsa-miR-29b	106	149	E10	UAGCACCAUUUGAAAUCAGUGUU	204679	S1	GOI	
hsa-miR-23b	107	165	E11	AUCACAUUGCCAGGGAUUACC	204790	S1	GOI	
hsa-miR-505	108	181	E12	CGUCAACACUUGCUGGUUUCCU	204214	S1	GOI	
hsa-miR-423-3p	109	197	E13	AGCUCGGUCUGAGGCCCCUCAGU	204488	S1	GOI	
hsa-miR-223*	110	213	E14	CGUGUAUUUGACAAGCUGAGUU	204529	S1	GOI	
hsa-miR-30b	111	229	E15	UGUAAACAUCCUACACUCAGCU	204765	S1	GOI	
hsa-miR-532-5p	112	245	E16	CAUGCCUUGAGUGUAGGACCGU	204221	S1	GOI	
hsa-let-7f	113	261	E17	UGAGGUAGUAGAUUGUAUAGUU	204359	S1	GOI	
UniSp3 IPC	114	277	E18			S1	IPC	Inter-plate calibrator
UniSp3 IPC	115	293	E19			S1	IPC	Inter-plate calibrator

Supplemetary Table 1. LNA primers against 179 circulating miRNAs used for plate screening.

hsa-miR-106b*	116	309	E20	CCGCACUGUGGGUACUUGCUGC	204020	S1	GOI	
hsa-miR-181a	117	325	E21	AACAUUCAACGCUGUCGGUGAGU	204566	S1	GOI	
hsa-miR-15b*	118	341	E22	CGAAUCAUUAUUUGCUGCUCUA	204397	S1	GOI	
hsa-miR-103	119	357	E23	AGCAGCAUUGUACAGGGCUAUGA	204063	S1	Ref	Reference gene
hsa-miR-103	120	373	E24	AGCAGCAUUGUACAGGGCUAUGA	204063	S1	Ref	Reference gene
hsa-miR-185	121	6	F01	UGGAGAGAAAGGCAGUUCCUGA	204475	S2	GOI	
hsa-miR-20b	122	22	F02	CAAAGUGCUCAUAGUGCAGGUAG	204755	S2	GOI	
hsa-miR-107	123	38	F03	AGCAGCAUUGUACAGGGCUAUCA	204468	S2	GOI	
hsa-miR-502-3p	124	54	F04	AAUGCACCUGGGCAAGGAUUCA	204043	S2	GOI	
hsa-miR-222	125	70	F05	AGCUACAUCUGGCUACUGGGU	204551	S2	GOI	
hsa-miR-93*	126	86	F06	ACUGCUGAGCUAGCACUUCCCG	204470	S2	GOI	
hsa-miR-342-3p	127	102	F07	UCUCACACAGAAAUCGCACCCGU	204511	S2	GOI	
hsa-miR-30a	128	118	F08	UGUAAACAUCCUCGACUGGAAG	204791	S2	GOI	
hsa-miR-1974	129	134	F09	UGGUUGUAGUCCGUGCGAGAAUA	204662	S2	GOI	Obsolete in miRbase 16
hsa-miR-29b	130	150	F10	UAGCACCAUUUGAAAUCAGUGUU	204679	S2	GOI	
hsa-miR-23b	131	166	F11	AUCACAUUGCCAGGGAUUACC	204790	S2	GOI	
hsa-miR-505	132	182	F12	CGUCAACACUUGCUGGUUUCCU	204214	S2	GOI	
hsa-miR-423-3p	133	198	F13	AGCUCGGUCUGAGGCCCCUCAGU	204488	S2	GOI	
hsa-miR-223*	134	214	F14	CGUGUAUUUGACAAGCUGAGUU	204529	S2	GOI	
hsa-miR-30b	135	230	F15	UGUAAACAUCCUACACUCAGCU	204765	S2	GOI	
hsa-miR-532-5p	136	246	F16	CAUGCCUUGAGUGUAGGACCGU	204221	S2	GOI	
hsa-let-7f	137	262	F17	UGAGGUAGUAGAUUGUAUAGUU	204359	S2	GOI	
UniSp3 IPC	138	278	F18			S2	IPC	Inter-plate calibrator
UniSp3 IPC	139	294	F19			S2	IPC	Inter-plate calibrator
hsa-miR-106b*	140	310	F20	CCGCACUGUGGGUACUUGCUGC	204020	S2	GOI	
hsa-miR-181a	141	326	F21	AACAUUCAACGCUGUCGGUGAGU	204566	S2	GOI	
hsa-miR-15b*	142	342	F22	CGAAUCAUUAUUUGCUGCUCUA	204397	S2	GOI	
hsa-miR-103	143	358	F23	AGCAGCAUUGUACAGGGCUAUGA	204063	S2	Ref	Reference gene
hsa-miR-103	144	374	F24	AGCAGCAUUGUACAGGGCUAUGA	204063	S2	Ref	Reference gene
hsa-miR-144	145	7	G01	UACAGUAUAGAUGAUGUACU	204754	S1	GOI	
hsa-let-7c	146	23	G02	UGAGGUAGUAGGUUGUAUGGUU	204767	S1	GOI	
hsa-miR-30c	147	39	G03	UGUAAACAUCCUACACUCUCAGC	204783	S1	GOI	
hsa-miR-122	148	55	G04	UGGAGUGUGACAAUGGUGUUUG	204090	S1	GOI	
hsa-miR-145	149	71	G05	GUCCAGUUUUCCCAGGAAUCCCU	204483	S1	GOI	
hsa-miR-766	150	87	G06	ACUCCAGCCCCACAGCCUCAGC	204499	S1	GOI	
hsa-miR-26b	151	103	G07	UUCAAGUAAUUCAGGAUAGGU	204172	S1	GOI	
hsa-miR-10a	152	119	G08	UACCCUGUAGAUCCGAAUUUGUG	204778	S1	GOI	
hsa-miR-197	153	135	G09	UUCACCACCUUCUCCACCCAGC	204380	S1	GOI	
hsa-miR-301a	154	151	G10	CAGUGCAAUAGUAUUGUCAAAGC	204687	S1	GOI	
hsa-miR-192	155	167	G11	CUGACCUAUGAAUUGACAGCC	204099	S1	GOI	
hsa-miR-346	156	183	G12	UGUCUGCCCGCAUGCCUGCCUCU	204538	S1	GOI	
hsa-miR-151-3p	157	199	G13	CUAGACUGAAGCUCCUUGAGG	204576	S1	GOI	
hsa-miR-425*	158	215	G14	AUCGGGAAUGUCGUGUCCGCCC	204038	S1	GOI	
hsa-miR-27b	159	231	G15	UUCACAGUGGCUAAGUUCUGC	204782	S1	GOI	
hsa-let-7b*	160	247	G16	CUAUACAACCUACUGCCUUCCC	204209	S1	GOI	
hsa-miR-186	161	263	G17	CAAAGAAUUCUCCUUUUGGGCU	204015	S1	GOI	
UniSp6 CP	162	279	G18			S1	Spike	Spike control
UniSp6 CP	163	295	G19			S1	Spike	Spike control
hsa-miR-128	164	311	G20	UCACAGUGAACCGGUCUCUUU	204626	S1	GOI	
hsa-let-7i	165	327	G21	UGAGGUAGUAGUUUGUGCUGUU	204394	S1	GOI	
hsa-miR-32	166	343	G22	UAUUGCACAUUACUAAGUUGCA	204792	S1	GOI	
hsa-miR-425	167	359	G23	AAUGACACGAUCACUCCCGUUGA	204337	S1	Ref	Reference gene
hsa-miR-425	168	375	G24	AAUGACACGAUCACUCCCGUUGA	204337	S1	Ref	Reference gene
hsa-miR-144	169	8	H01	UACAGUAUAGAUGAUGUACU	204754	S2	GOI	
hsa-let-7c	170	24	H02	UGAGGUAGUAGGUUGUAUGGUU	204767	S2	GOI	
hsa-miR-30c	171	40	H03	UGUAAACAUCCUACACUCUCAGC	204783	S2	GOI	
hsa-miR-122	172	56	H04	UGGAGUGUGACAAUGGUGUUUG	204090	S2	GOI	
hsa-miR-145	173	72	H05	GUCCAGUUUUCCCAGGAAUCCCU	204483	S2	GOI	
hsa-miR-766	174	88	H06	ACUCCAGCCCCACAGCCUCAGC	204499	S2	GOI	

Supplemetary Table 1. LNA primers against 179 circulating miRNAs used for plate screening.

hsa-miR-26b	175	104	H07	UUCAAGUAAUUCAGGAUAGGU	204172	S2	GOI	
hsa-miR-10a	176	120	H08	UACCCUGUAGAUCCGAAUUUGUG	204778	S2	GOI	
hsa-miR-197	177	136	H09	UUCACCACCUUCUCCACCCAGC	204380	S2	GOI	
hsa-miR-301a	178	152	H10	CAGUGCAAUAGUAUUGUCAAAGC	204687	S2	GOI	
hsa-miR-192	179	168	H11	CUGACCUAUGAAUUGACAGCC	204099	S2	GOI	
hsa-miR-346	180	184	H12	UGUCUGCCCGCAUGCCUGCCUCU	204538	S2	GOI	
hsa-miR-151-3p	181	200	H13	CUAGACUGAAGCUCCUUGAGG	204576	S2	GOI	
hsa-miR-425*	182	216	H14	AUCGGGAAUGUCGUGUCCGCCC	204038	S2	GOI	
hsa-miR-27b	183	232	H15	UUCACAGUGGCUAAGUUCUGC	204782	S2	GOI	
hsa-let-7b*	184	248	H16	CUAUACAACCUACUGCCUUCCC	204209	S2	GOI	
hsa-miR-186	185	264	H17	CAAAGAAUUCUCCUUUUGGGCU	204015	S2	GOI	
UniSp6 CP	186	280	H18			S2	Spike	Spike control
UniSp6 CP	187	296	H19			S2	Spike	Spike control
hsa-miR-128	188	312	H20	UCACAGUGAACCGGUCUCUUU	204626	S2	GOI	
hsa-let-7i	189	328	H21	UGAGGUAGUAGUUUGUGCUGUU	204394	S2	GOI	
hsa-miR-32	190	344	H22	UAUUGCACAUUACUAAGUUGCA	204792	S2	GOI	
hsa-miR-425	191	360	H23	AAUGACACGAUCACUCCCGUUGA	204337	S2	Ref	Reference gene
hsa-miR-425	192	376	H24	AAUGACACGAUCACUCCCGUUGA	204337	S2	Ref	Reference gene
hsa-miR-139-5p	193	9	I01	UCUACAGUGCACGUGUCUCCAG	204037	S1	GOI	
hsa-miR-194	194	25	I02	UGUAACAGCAACUCCAUGUGGA	204080	S1	GOI	
hsa-miR-424	195	41	I03	CAGCAGCAAUUCAUGUUUUGAA	204736	S1	GOI	
hsa-miR-18a*	196	57	I04	ACUGCCCUAAGUGCUCCUUCUGG	204523	S1	GOI	
hsa-miR-17	197	73	I05	CAAAGUGCUUACAGUGCAGGUAG	204771	S1	GOI	
hsa-miR-106b	198	89	I06	UAAAGUGCUGACAGUGCAGAU	204760	S1	GOI	
hsa-miR-143	199	105	I07	UGAGAUGAAGCACUGUAGCUC	204190	S1	GOI	
hsa-miR-136	200	121	I08	ACUCCAUUUGUUUUGAUGAUGGA	204779	S1	GOI	
hsa-miR-199a-3p	201	137	I09	ACAGUAGUCUGCACAUUGGUUA	204536	S1	GOI	
hsa-miR-501-3p	202	153	I10	AAUGCACCCGGGCAAGGAUUCU	204178	S1	GOI	
hsa-miR-29c	203	169	I11	UAGCACCAUUUGAAAUCGGUUA	204729	S1	GOI	
hsa-miR-154	204	185	I12	UAGGUUAUCCGUGUUGCCUUCG	204518	S1	GOI	
hsa-miR-146a	205	201	I13	UGAGAACUGAAUUCCAUGGGUU	204688	S1	GOI	
hsa-miR-127-3p	206	217	I14	UCGGAUCCGUCUGAGCUUGGCU	204048	S1	GOI	
hsa-miR-29a	207	233	I15	UAGCACCAUCUGAAAUCGGUUA	204698	S1	GOI	
hsa-miR-30e*	208	249	I16	CUUUCAGUCGGAUGUUUACAGC	204410	S1	GOI	
hsa-miR-99a	209	265	I17	AACCCGUAGAUCCGAUCUUGUG	204521	S1	GOI	
hsa-miR-326	210	281	I18	CCUCUGGGCCCUUCCUCCAG	204512	S1	GOI	
hsa-miR-152	211	297	I19	UCAGUGCAUGACAGAACUUGG	204294	S1	GOI	
hsa-miR-133a	212	313	I20	UUUGGUCCCCUUCAACCAGCUG	204788	S1	GOI	
hsa-miR-148a	213	329	I21	UCAGUGCACUACAGAACUUUGU	204121	S1	GOI	
hsa-miR-495	214	345	I22	AAACAAACAUGGUGCACUUCUU	204768	S1	GOI	
hsa-miR-423-5p	215	361	I23	UGAGGGGCAGAGAGCGAGACUUU	204593	S1	Ref	Reference gene
hsa-miR-423-5p	216	377	I24	UGAGGGGCAGAGAGCGAGACUUU	204593	S1	Ref	Reference gene
hsa-miR-139-5p	217	10	J01	UCUACAGUGCACGUGUCUCCAG	204037	S2	GOI	
hsa-miR-194	218	26	J02	UGUAACAGCAACUCCAUGUGGA	204080	S2	GOI	
hsa-miR-424	219	42	J03	CAGCAGCAAUUCAUGUUUUGAA	204736	S2	GOI	
hsa-miR-18a*	220	58	J04	ACUGCCCUAAGUGCUCCUUCUGG	204523	S2	GOI	
hsa-miR-17	221	74	J05	CAAAGUGCUUACAGUGCAGGUAG	204771	S2	GOI	
hsa-miR-106b	222	90	J06	UAAAGUGCUGACAGUGCAGAU	204760	S2	GOI	
hsa-miR-143	223	106	J07	UGAGAUGAAGCACUGUAGCUC	204190	S2	GOI	
hsa-miR-136	224	122	J08	ACUCCAUUUGUUUUGAUGAUGGA	204779	S2	GOI	
hsa-miR-199a-3p	225	138	J09	ACAGUAGUCUGCACAUUGGUUA	204536	S2	GOI	
hsa-miR-501-3p	226	154	J10	AAUGCACCCGGGCAAGGAUUCU	204178	S2	GOI	
hsa-miR-29c	227	170	J11	UAGCACCAUUUGAAAUCGGUUA	204729	S2	GOI	
hsa-miR-154	228	186	J12	UAGGUUAUCCGUGUUGCCUUCG	204518	S2	GOI	
hsa-miR-146a	229	202	J13	UGAGAACUGAAUUCCAUGGGUU	204688	S2	GOI	
hsa-miR-127-3p	230	218	J14	UCGGAUCCGUCUGAGCUUGGCU	204048	S2	GOI	
hsa-miR-29a	231	234	J15	UAGCACCAUCUGAAAUCGGUUA	204698	S2	GOI	
hsa-miR-30e*	232	250	J16	CUUUCAGUCGGAUGUUUACAGC	204410	S2	GOI	
hsa-miR-99a	233	266	J17	AACCCGUAGAUCCGAUCUUGUG	204521	S2	GOI	

Supplemetary Table 1. LNA primers against 179 circulating miRNAs used for plate screening.

hsa-miR-326	234	282	J18	CCUCUGGGCCCUUCCUCCAG	204512	S2	GOI	
hsa-miR-152	235	298	J19	UCAGUGCAUGACAGAACUUGG	204294	S2	GOI	
hsa-miR-133a	236	314	J20	UUUGGUCCCCUUCAACCAGCUG	204788	S2	GOI	
hsa-miR-148a	237	330	J21	UCAGUGCACUACAGAACUUUGU	204121	S2	GOI	
hsa-miR-495	238	346	J22	AAACAAACAUGGUGCACUUCUU	204768	S2	GOI	
hsa-miR-423-5p	239	362	J23	UGAGGGGCAGAGAGCGAGACUUU	204593	S2	Ref	Reference gene
hsa-miR-423-5p	240	378	J24	UGAGGGGCAGAGAGCGAGACUUU	204593	S2	Ref	Reference gene
hsa-miR-19a	241	11	K01	UGUGCAAAUCUAUGCAAAACUGA	204781	S1	GOI	
hsa-miR-1	242	27	K02	UGGAAUGUAAAGAAGUAUGUAU	204344	S1	GOI	
hsa-miR-30d	243	43	K03	UGUAAACAUCCCCGACUGGAAG	204757	S1	GOI	
hsa-miR-199a-5p	244	59	K04	CCCAGUGUUCAGACUACCUGUUC	204494	S1	GOI	
hsa-miR-22	245	75	K05	AAGCUGCCAGUUGAAGAACUGU	204606	S1	GOI	
hsa-miR-20a*	246	91	K06	ACUGCAUUAUGAGCACUUAAAG	204052	S1	GOI	
hsa-miR-720	247	107	K07	UCUCGCUGGGGCCUCCA	204088	S1	GOI	
hsa-miR-660	248	123	K08	UACCCAUUGCAUAUCGGAGUUG	204727	S1	GOI	
hsa-miR-125b	249	139	K09	UCCCUGAGACCCUAACUUGUGA	204465	S1	GOI	
hsa-miR-376a	250	155	K10	AUCAUAGAGGAAAAUCCACGU	204508	S1	GOI	
hsa-miR-378	251	171	K11	ACUGGACUUGGAGUCAGAAGG	204179	S1	GOI	
hsa-miR-193b	252	187	K12	AACUGGCCCUCAAAGUCCCGCU	204226	S1	GOI	
hsa-miR-125a-5p	253	203	K13	UCCCUGAGACCCUUUAACCUGUGA	204339	S1	GOI	
hsa-miR-409-3p	254	219	K14	GAAUGUUGCUCGGUGAACCCCU	204358	S1	GOI	
hsa-miR-148b	255	235	K15	UCAGUGCAUCACAGAACUUUGU	204047	S1	GOI	
hsa-miR-543	256	251	K16	AAACAUUCGCGGUGCACUUCUU	204447	S1	GOI	
hsa-miR-484	257	267	K17	UCAGGCUCAGUCCCCUCCCGAU	204448	S1	GOI	
hsa-miR-132	258	283	K18	UAACAGUCUACAGCCAUGGUCG	204129	S1	GOI	
hsa-miR-25	259	299	K19	CAUUGCACUUGUCUCGGUCUGA	204361	S1	GOI	
hsa-miR-363	260	315	K20	AAUUGCACGGUAUCCAUCUGUA	204726	S1	GOI	
hsa-miR-99b	261	331	K21	CACCCGUAGAACCGACCUUGCG	204367	S1	GOI	
hsa-miR-629	262	347	K22	UGGGUUUACGUUGGGAGAACU	204370	S1	GOI	
hsa-miR-93	263	363	K23	CAAAGUGCUGUUCGUGCAGGUAG	204715	S1	Ref	Reference gene
hsa-miR-93	264	379	K24	CAAAGUGCUGUUCGUGCAGGUAG	204715	S1	Ref	Reference gene
hsa-miR-19a	265	12	L01	UGUGCAAAUCUAUGCAAAACUGA	204781	S2	GOI	
hsa-miR-1	266	28	L02	UGGAAUGUAAAGAAGUAUGUAU	204344	S2	GOI	
hsa-miR-30d	267	44	L03	UGUAAACAUCCCCGACUGGAAG	204757	S2	GOI	
hsa-miR-199a-5p	268	60	L04	CCCAGUGUUCAGACUACCUGUUC	204494	S2	GOI	
hsa-miR-22	269	76	L05	AAGCUGCCAGUUGAAGAACUGU	204606	S2	GOI	
hsa-miR-20a*	270	92	L06	ACUGCAUUAUGAGCACUUAAAG	204052	S2	GOI	
hsa-miR-720	271	108	L07	UCUCGCUGGGGCCUCCA	204088	S2	GOI	
hsa-miR-660	272	124	L08	UACCCAUUGCAUAUCGGAGUUG	204727	S2	GOI	
hsa-miR-125b	273	140	L09	UCCCUGAGACCCUAACUUGUGA	204465	S2	GOI	
hsa-miR-376a	274	156	L10	AUCAUAGAGGAAAAUCCACGU	204508	S2	GOI	
hsa-miR-378	275	172	L11	ACUGGACUUGGAGUCAGAAGG	204179	S2	GOI	
hsa-miR-193b	276	188	L12	AACUGGCCCUCAAAGUCCCGCU	204226	S2	GOI	
hsa-miR-125a-5p	277	204	L13	UCCCUGAGACCCUUUAACCUGUGA	204339	S2	GOI	
hsa-miR-409-3p	278	220	L14	GAAUGUUGCUCGGUGAACCCCU	204358	S2	GOI	
hsa-miR-148b	279	236	L15	UCAGUGCAUCACAGAACUUUGU	204047	S2	GOI	
hsa-miR-543	280	252	L16	AAACAUUCGCGGUGCACUUCUU	204447	S2	GOI	
hsa-miR-484	281	268	L17	UCAGGCUCAGUCCCCUCCCGAU	204448	S2	GOI	
hsa-miR-132	282	284	L18	UAACAGUCUACAGCCAUGGUCG	204129	S2	GOI	
hsa-miR-25	283	300	L19	CAUUGCACUUGUCUCGGUCUGA	204361	S2	GOI	
hsa-miR-363	284	316	L20	AAUUGCACGGUAUCCAUCUGUA	204726	S2	GOI	
hsa-miR-99b	285	332	L21	CACCCGUAGAACCGACCUUGCG	204367	S2	GOI	
hsa-miR-629	286	348	L22	UGGGUUUACGUUGGGAGAACU	204370	S2	GOI	
hsa-miR-93	287	364	L23	CAAAGUGCUGUUCGUGCAGGUAG	204715	S2	Ref	Reference gene
hsa-miR-93	288	380	L24	CAAAGUGCUGUUCGUGCAGGUAG	204715	S2	Ref	Reference gene
hsa-miR-18b	289	13	M01	UAAGGUGCAUCUAGUGCAGUUAG	204084	S1	GOI	
hsa-miR-182	290	29	M02	UUUGGCAAUGGUAGAACUCACACU	204264	S1	GOI	
hsa-miR-652	291	45	M03	AAUGGCGCCACUAGGGUUGUG	204387	S1	GOI	
hsa-miR-421	292	61	M04	AUCAACAGACAUUAAUUGGGCGC	204603	S1	GOI	

Supplemetary Table 1. LNA primers against 179 circulating miRNAs used for plate screening.

hsa-miR-331-3p	293	77	M05	GCCCCUGGGCCUAUCCUAGAA	204156	S1	GOI	
hsa-miR-22*	294	93	M06	AGUUCUUCAGUGGCAAGCUUUA	204255	S1	GOI	
hsa-miR-151-5p	295	109	M07	UCGAGGAGCUCACAGUCUAGU	204007	S1	GOI	
hsa-miR-92b	296	125	M08	UAUUGCACUCGUCCCGGCCUCC	204384	S1	GOI	
hsa-miR-18a	297	141	M09	UAAGGUGCAUCUAGUGCAGAUAG	204207	S1	GOI	
hsa-miR-29a*	298	157	M10	ACUGAUUUCUUUUGGUGUUCAG	204430	S1	GOI	
hsa-let-7d	299	173	M11	AGAGGUAGUAGGUUGCAUAGUU	204124	S1	GOI	
hsa-miR-500a	300	189	M12	UAAUCCUUGCUACCUGGGUGAGA	204794	S1	GOI	
hsa-let-7d*	301	205	M13	CUAUACGACCUGCUGCCUUUCU	204290	S1	GOI	
hsa-miR-103-2*	302	221	M14	AGCUUCUUUACAGUGCUGCCUUG	204609	S1	GOI	
hsa-miR-34a	303	237	M15	UGGCAGUGUCUUAGCUGGUUGU	204486	S1	GOI	
hsa-miR-2110	304	253	M16	UUGGGGAAACGGCCGCUGAGUG	204328	S1	GOI	
hsa-let-7b	305	269	M17	UGAGGUAGUAGGUUGUGUGGUU	204750	S1	GOI	
hsa-miR-574-3p	306	285	M18	CACGCUCAUGCACACACCCACA	204365	S1	GOI	
hsa-miR-335	307	301	M19	UCAAGAGCAAUAACGAAAAAUGU	204151	S1	GOI	
hsa-miR-29b-2*	308	317	M20	CUGGUUUCACAUGGUGGCUUAG	204208	S1	GOI	
hsa-miR-590-5p	309	333	M21	GAGCUUAUUCAUAAAAGUGCAG	204222	S1	GOI	
hsa-let-7i*	310	349	M22	CUGCGCAAGCUACUGCCUUGCU	204247	S1	GOI	
hsa-miR-191	311	365	M23	CAACGGAAUCCCAAAAGCAGCUG	204306	S1	Ref	Reference gene
hsa-miR-191	312	381	M24	CAACGGAAUCCCAAAAGCAGCUG	204306	S1	Ref	Reference gene
hsa-miR-18b	313	14	N01	UAAGGUGCAUCUAGUGCAGUUAG	204084	S2	GOI	
hsa-miR-182	314	30	N02	UUUGGCAAUGGUAGAACUCACACU	204264	S2	GOI	
hsa-miR-652	315	46	N03	AAUGGCGCCACUAGGGUUGUG	204387	S2	GOI	
hsa-miR-421	316	62	N04	AUCAACAGACAUUAAUUGGGCGC	204603	S2	GOI	
hsa-miR-331-3p	317	78	N05	GCCCCUGGGCCUAUCCUAGAA	204156	S2	GOI	
hsa-miR-22*	318	94	N06	AGUUCUUCAGUGGCAAGCUUUA	204255	S2	GOI	
hsa-miR-151-5p	319	110	N07	UCGAGGAGCUCACAGUCUAGU	204007	S2	GOI	
hsa-miR-92b	320	126	N08	UAUUGCACUCGUCCCGGCCUCC	204384	S2	GOI	
hsa-miR-18a	321	142	N09	UAAGGUGCAUCUAGUGCAGAUAG	204207	S2	GOI	
hsa-miR-29a*	322	158	N10	ACUGAUUUCUUUUGGUGUUCAG	204430	S2	GOI	
hsa-let-7d	323	174	N11	AGAGGUAGUAGGUUGCAUAGUU	204124	S2	GOI	
hsa-miR-500a	324	190	N12	UAAUCCUUGCUACCUGGGUGAGA	204794	S2	GOI	
hsa-let-7d*	325	206	N13	CUAUACGACCUGCUGCCUUUCU	204290	S2	GOI	
hsa-miR-103-2*	326	222	N14	AGCUUCUUUACAGUGCUGCCUUG	204609	S2	GOI	
hsa-miR-34a	327	238	N15	UGGCAGUGUCUUAGCUGGUUGU	204486	S2	GOI	
hsa-miR-2110	328	254	N16	UUGGGGAAACGGCCGCUGAGUG	204328	S2	GOI	
hsa-let-7b	329	270	N17	UGAGGUAGUAGGUUGUGUGGUU	204750	S2	GOI	
hsa-miR-574-3p	330	286	N18	CACGCUCAUGCACACACCCACA	204365	S2	GOI	
hsa-miR-335	331	302	N19	UCAAGAGCAAUAACGAAAAAUGU	204151	S2	GOI	
hsa-miR-29b-2*	332	318	N20	CUGGUUUCACAUGGUGGCUUAG	204208	S2	GOI	
hsa-miR-590-5p	333	334	N21	GAGCUUAUUCAUAAAAGUGCAG	204222	S2	GOI	
hsa-let-7i*	334	350	N22	CUGCGCAAGCUACUGCCUUGCU	204247	S2	GOI	
hsa-miR-191	335	366	N23	CAACGGAAUCCCAAAAGCAGCUG	204306	S2	Ref	Reference gene
hsa-miR-191	336	382	N24	CAACGGAAUCCCAAAAGCAGCUG	204306	S2	Ref	Reference gene
hsa-miR-375	337	15	O01	UUUGUUCGUUCGGCUCGCGUGA	204362	S1	GOI	
hsa-miR-382	338	31	O02	GAAGUUGUUCGUGGUGGAUUCG	204169	S1	GOI	
hsa-miR-374b	339	47	O03	AUAUAAUACAACCUGCUAAGUG	204608	S1	GOI	
hsa-miR-95	340	63	O04	UUCAACGGGUAUUUAUUGAGCA	204288	S1	GOI	
hsa-miR-215	341	79	O05	AUGACCUAUGAAUUGACAGAC	204598	S1	GOI	
hsa-miR-361-3p	342	95	O06	UCCCCCAGGUGUGAUUCUGAUUU	204008	S1	GOI	
hsa-miR-10b	343	111	O07	UACCCUGUAGAACCGAAUUUGUG	204753	S1	GOI	
hsa-miR-133b	344	127	O08	UUUGGUCCCCUUCAACCAGCUA	204162	S1	GOI	
hsa-miR-140-3p	345	143	O09	UACCACAGGGUAGAACCACGG	204304	S1	GOI	
hsa-miR-324-3p	346	159	O10	ACUGCCCCAGGUGCUGCUGG	204303	S1	GOI	
hsa-miR-130a	347	175	O11	CAGUGCAAUGUUAAAAGGGCAU	204658	S1	GOI	
hsa-miR-200c	348	191	O12	UAAUACUGCCGGGUAAUGAUGGA	204482	S1	GOI	
hsa-miR-338-3p	349	207	O13	UCCAGCAUCAGUGAUUUUGUUG	204719	S1	GOI	
hsa-miR-605	350	223	O14	UAAAUCCCAUGGUGCCUUCUCCU	204596	S1	GOI	
hsa-miR-324-5p	351	239	O15	CGCAUCCCCUAGGGCAUUGGUGU	204057	S1	GOI	

Supplemetary Table 1. LNA primers against 179 circulating miRNAs used for plate screening.

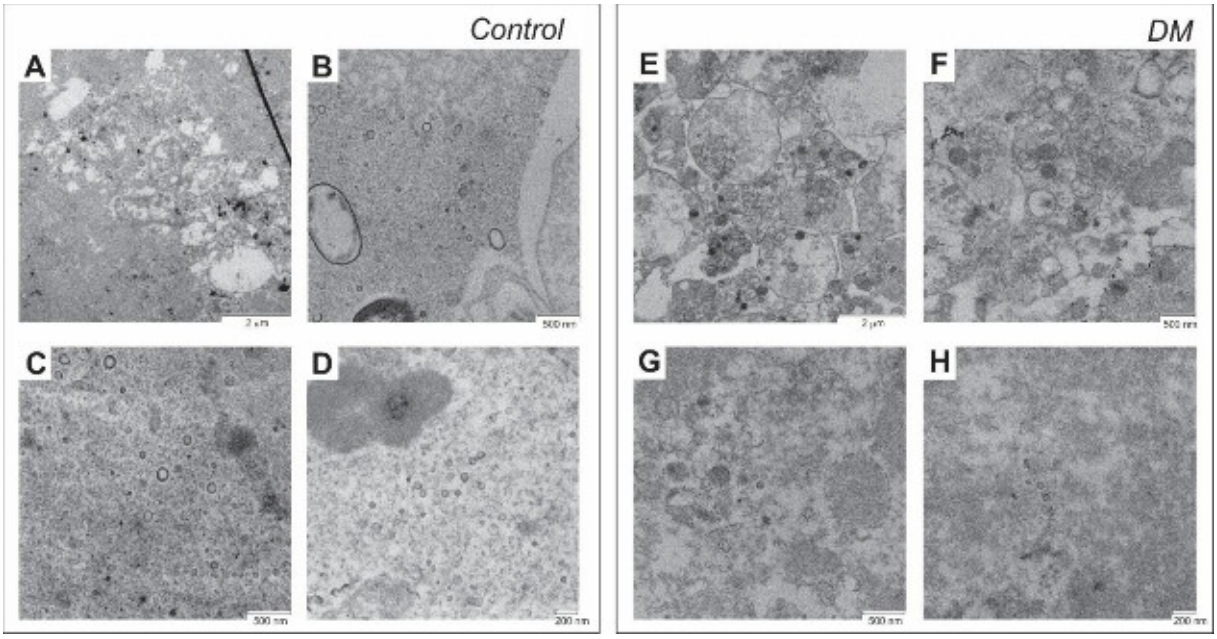
hsa-miR-485-3p	352	255	O16	GUCAUACACGGCUCUCCUCUCU	204049	S1	GOI	
hsa-miR-33a	353	271	O17	GUGCAUUGUAGUUGCAUUGCA	204632	S1	GOI	
hsa-miR-885-5p	354	287	O18	UCCAUUACACUACCCUGCCUCU	204473	S1	GOI	
hsa-miR-195	355	303	O19	UAGCAGCACAGAAAUAUUGGC	204186	S1	GOI	
hsa-miR-297	356	319	O20	AUGUAUGUGUGCAUGUGCAUG	204653	S1	GOI	
hsa-miR-365	357	335	O21	UAAUGCCCCUAAAAAUCCUUAU	204622	S1	GOI	
hsa-miR-551b	358	351	O22	GCGACCCAUACUUGGUUUCAG	204067	S1	GOI	
Blank (H20)	359	367	O23			S1		Empty well
Blank (H20)	360	383	O24			S1		Empty well
hsa-miR-375	361	16	P01	UUUGUUCGUUCGGCUCGCGUGA	204362	S2	GOI	
hsa-miR-382	362	32	P02	GAAGUUGUUCGUGGUGGAUUCG	204169	S2	GOI	
hsa-miR-374b	363	48	P03	AUAUAAUACAACCUGCUAAGUG	204608	S2	GOI	
hsa-miR-95	364	64	P04	UUCAACGGGUAUUUAUUGAGCA	204288	S2	GOI	
hsa-miR-215	365	80	P05	AUGACCUAUGAAUUGACAGAC	204598	S2	GOI	
hsa-miR-361-3p	366	96	P06	UCCCCCAGGUGUGAUUCUGAUUU	204008	S2	GOI	
hsa-miR-10b	367	112	P07	UACCCUGUAGAACCGAAUUUGUG	204753	S2	GOI	
hsa-miR-133b	368	128	P08	UUUGGUCCCCUUCAACCAGCUA	204162	S2	GOI	
hsa-miR-140-3p	369	144	P09	UACCACAGGGUAGAACCACGG	204304	S2	GOI	
hsa-miR-324-3p	370	160	P10	ACUGCCCCAGGUGCUGCUGG	204303	S2	GOI	
hsa-miR-130a	371	176	P11	CAGUGCAAUGUUAAAAGGGCAU	204658	S2	GOI	
hsa-miR-200c	372	192	P12	UAAUACUGCCGGGUAAUGAUGGA	204482	S2	GOI	
hsa-miR-338-3p	373	208	P13	UCCAGCAUCAGUGAUUUUGUUG	204719	S2	GOI	
hsa-miR-605	374	224	P14	UAAAUCCCAUGGUGCCUUCUCCU	204596	S2	GOI	
hsa-miR-324-5p	375	240	P15	CGCAUCCCCUAGGGCAUUGGUGU	204057	S2	GOI	
hsa-miR-485-3p	376	256	P16	GUCAUACACGGCUCUCCUCUCU	204049	S2	GOI	
hsa-miR-33a	377	272	P17	GUGCAUUGUAGUUGCAUUGCA	204632	S2	GOI	
hsa-miR-885-5p	378	288	P18	UCCAUUACACUACCCUGCCUCU	204473	S2	GOI	
hsa-miR-195	379	304	P19	UAGCAGCACAGAAAUAUUGGC	204186	S2	GOI	
hsa-miR-297	380	320	P20	AUGUAUGUGUGCAUGUGCAUG	204653	S2	GOI	
hsa-miR-365	381	336	P21	UAAUGCCCCUAAAAAUCCUUAU	204622	S2	GOI	
hsa-miR-551b	382	352	P22	GCGACCCAUACUUGGUUUCAG	204067	S2	GOI	
Blank (H20)	383	368	P23			S2		Empty well
Blank (H20)	384	384	P24			S2		Empty well

Supplementary Table 2. Results of logic regression analysis of median miRNA levels on diabetes incidence. As independent variable: age, body mass index (BMI), arterial hypertension (AH) and diabetes duration. Regression model was analyzed for every miRNA isoform separately.

	Exp	CI 2.5%	CI 97.5%	p.value
(Intercept) let.7i.5p	**130.4**	**18.78**	**892.3**	**0.516**
Age [years]	-1.141	-7.553	-0.171	0.502
BMI [kg.m2]	-1.693	-12.10	-0.062	0.538
AH	-0.787	-11.45	6.126	0.83
Diabetes.duration [years]	-0.0681	-1.117	0.944	0.884
(Intercept) miR.199a.3p	**2347.6**	**-401101.7**	**1894614.7**	**0.999**
Age [years]	-23.65	-19960.7	4417.5	0.999
BMI [kg.m2]	-23.85	-1978.8	2106.4	0.999
AH	-76.17	-12541.6	12389.3	0.999
Diabetes.duration [years]	0.590	NA	2257.9	0.999
(Intercept) miR.20a.3p	**24.40**	**-4.726**	**84.35**	**0.211**
Age [years]	-0.265	-0.926	0.112	0.251
BMI [kg.m2]	-0.224	-0.796	0.142	0.286
AH	3.026	-0.7185	9.111	0.169
Diabetes.duration [years]	-0.183	-1.011	0.2151	0.503
(Intercept) miR.221.3p	**-35.67**	**-132.2**	**10.941**	**0.290**
Age [years]	0.208	-0.465	1.146	0.566
BMI [kg.m2]	***0.556***	***0.081***	***1.504***	***0.080***
AH	0.469	-6.189	7.2634	0.870
Diabetes.duration [years]	0.447	-0.275	1.896	0.408
(Intercept) miR.26a.5p	**-212.3**	**-48272.5**	**54749.0**	**0.999**
Age [years]	17.601	-1374.6	1295.3	0.999
BMI [kg.m2]	-30.84	-21282.0	5174.30	0.999
AH	-433.1	-301585.8	73329.6	0.999
Diabetes.duration [years]	21.88	-1967.4	2011.2	0.999
(Intercept) miR.26b.5p	**8.435**	**-17.87**	**46.89**	**0.549**
Age [years]	-0.172	-0.649	0.165	0.359
BMI [kg.m2]	0.131	-0.206	0.508	0.443
AH	1.0558	-2.378	5.298	0.565
Diabetes.duration [years]	-0.175	-0.819	0.171	0.395
(Intercept) miR.29a.5p	**7.682**	**-22.78**	**56.83**	**0.662**
Age [years]	0.0127	-0.528	0.470	0.954
BMI [kg.m2]	-0.216	-0.698	0.134	0.269
AH	-2.147	-8.109	2.101	0.346
Diabetes.duration [years]	-0.087	-0.921	0.361	0.751

(Intercept) miR.30b.5p	**130.4**	**18.78**	**892.3**	**0.516**
Age [years]	-1.141	-7.553	-0.171	0.502
BMI [kg.m2]	-1.693	-12.10	-0.063	0.538
AH	-0.787	-11.45	6.126	0.833
Diabetes.duration [years]	-0.068	-1.117	0.944	0.884
(Intercept) miR.30c.5p	**36997**	**-470870.2**	**1988993.8**	**0.999**
Age [years]	-44.32	-25788.2	6976.2	0.999
BMI [kg.m2]	-7.788	-582.9	567.4	0.999
AH	257.93	-36982.0	142418.9	0.999
Diabetes.duration [years]	-68.10	-36058.8	7665.1	0.999
(Intercept) miR.374a.5p	**-36.31**	**-136.40**	**-2.200**	**0.150**
Age [years]	0.474	0.021	1.717	0.145
BMI [kg.m2]	0.146	-0.362	1.003	0.615
AH	1.726	-3.201	12.42	0.552
Diabetes.duration [years]	-0.136	-1.198	0.505	0.647
(Intercept) miR.126.3p	**-18.71**	**-60.60**	**6.521**	**0.206**
Age [years]	0.233	-0.103	0.727	0.220
BMI [kg.m2]	0.057	-0.314	0.496	0.759
AH	0.546	-3.411	4.631	0.773
Diabetes.duration [years]	0.066	-0.315	0.7266	0.756
(Intercept) miR.126.5p	**-7.676**	**-55.15**	**19.96**	**0.612**
Age [years]	0.142	-0.212	0.7128	0.472
BMI [kg.m2]	-0.141	-0.541	0.211	0.426
AH	0.191	-4.009	4.123	0.919
Diabetes.duration [years]	0.211	-0.152	1.0343	0.357
(Intercept) miR.193b.3p	**3003.0**	**-474144.7**	**1147159.3**	**0.999**
Age [years]	3.9005	-401.7	389.6	0.999
BMI [kg.m2]	-90.015	-333423	8054.6	0.999
AH	350.7	-36641.8	157917.6	0.999
Diabetes.duration [years]	-99.91	-39564.4	10662.3	0.999
(Intercept) miR.23b.3p	**-18.706**	**-60.60**	**6.521**	**0.206**
Age [years]	0.233	-0.103	0.727	0.220
BMI [kg.m2]	0.057	-0.314	0.496	0.759
AH	0.546	-3.411	4.631	0.773
Diabetes.duration [years]	0.066	-0.3151	0.727	0.756

(Intercept) miR.409.3p	**68.94**	**-10.16**	**258.24**	**0.235**
Age [years]	-0.666	-2.741	0.182	0.268
BMI [kg.m2]	-0.446	-2.295	0.209	0.336
AH	5.442	-0.675	20.30	0.209
Diabetes.duration [years]	-1.599	-5.629	-0.229	0.159
(Intercept) miR.495.3p	**23.14**	**-4.714**	**74.11**	**0.192**
Age [years]	-0.321	-0.944	0.051	0.163
BMI [kg.m2]	-0.060	-0.510	0.332	0.754
AH	3.410	-0.391	9.576	0.138
Diabetes.duration [years]	-0.196	-0.927	0.181	0.415
(Intercept) miR.95	**-28.62**	**-76.35**	**0.334**	**0.110**
Age [years]	***0.424***	***0.025***	***1.100***	***0.093***
BMI [kg.m2]	0.0117	-0.405	0.446	0.958
AH	-2.274	-8.556	1.855	0.338
Diabetes.duration [years]	0.075	-0.307	0.608	0.704



Supplementary Figure 1. Transmission electron microscopy (TEM) images of circulating EVs in human plasma. Images obtained from a control subject (**A** - **D**) and a patient with diabetes (DM) (**E** - **H**). Photographs **A** and **E** show a wide field images of the *Ect*-enriched plasma fraction. Photographs **B** and **F** are the higher magnification images showing number of vesicles including *Ects* and exosomes. Photographs **C**, **D**, **G** and **H** show smaller vesicles (exosomes), in majority.