

Supplemental Table: Potential miRNA target sites in genomic sequences for the list of miRNAs were assessed by using Miranda program. We genotyped 102 miRNA target polymorphisms identified using the UCSC genome browser (release hg18) in an Australian sample comprised 958 endometriosis cases and 959 controls.

No	Target Site	Chr	SNP ID	SNP position	Allele	Gene	Role	#Freq
1	ambi_miR_7085_l7 at chr1:6084509-6084536	1p36.31	rs1064287	chr1:6084526	A/G	KCNAB2	Downstream	0
2	ambi_miR_7085_l27 at chr1:6084540-6084571	1p36.31	rs12758341	chr1:6084546	A/G	KCNAB2	Downstream	0.121
3	ambi_miR_7085_l18 at chr1:6084707-6084730	1p36.31	rs1057269	chr1:6084709	A/G	KCNAB2	Downstream	0
4	ambi_miR_7085_l15 at chr1:6085344-6085371	1p36.31	rs35259218	chr1:6085357	A	CHD5	3' UTR	0
5	ambi_miR_7085_l9 at chr1:6086861-6086887	1p36.31	rs12082745	chr1:6086867	A/G	CHD5	3' UTR	0.0011
6	ambi_miR_7085_l21 at chr1:6086967-6086996	1p36.31	rs2092507	chr1:6086995	C/T	CHD5	3' UTR	0.123
7	hsa-miR-125a-3p_l883 at chr1:201723514-201723539	1q32.1	rs5780181	chr1:201723518	G	PRELP	3' UTR	0
8	hsa-miR-125a-3p_l883 at chr1:201723514-201723539	1q32.1	rs34513257	chr1:201723519	AGC	PRELP	3' UTR	0
9	hsa-miR-125a-3p_l883 at chr1:201723514-201723539	1q32.1	rs5780180	chr1:201723523	T	PRELP	3' UTR	0
10	hsa-miR-125a-3p_l876 at chr1:201723716-201723737	1q32.1	rs7542469	chr1:201723721	A/G	PRELP	3' UTR	0.0021
11	hsa-miR-125a-3p_l875 at chr1:201723979-201724013	1q32.1	rs36068360	chr1:201723989	C/G	PRELP	3' UTR	0
12	hsa-miR-145_l1779 at chr1:226431930-226431953	1q42.13	rs28410723	chr1:226431944	A/G	C1orf69	3' UTR	0
13	hsa-miR-145_l1797 at chr1:226436221-226436252	1q42.13	rs12039801	chr1:226436235	A/G	C1orf69	3' UTR	0.039
14	hsa-miR-145_l1773 at chr1:226436447-226436476	1q42.13	rs12749627	chr1:226436462	A/G	C1orf69	3' UTR	0
15	hsa-miR-125a-5p_l1644 at chr2:206368177-206368212	2q33.3	rs7583980	chr2:206368178	A/G	NRP2	3' UTR	0
16	hsa-miR-125a-3p_l94 at chr2:242161028-242161058	2q37.3	rs36191086	chr2:242161033	C/T	BOK	3' UTR	0
17	hsa-miR-125a-3p_l105 at chr2:242161351-242161380	2q37.3	rs12695005	chr2:242161364	C/T	BOK	3' UTR	0
18	hsa-miR-125a-3p_l106 at chr2:242161393-242161420	2q37.3	rs62191738	chr2:242161406	C/G	BOK	3' UTR	0
19	hsa-miR-125a-3p_l106 at chr2:242161393-242161420	2q37.3	rs3210568	chr2:242161409	C/G	BOK	3' UTR	0
20	hsa-miR-125a-3p_l106 at chr2:242161393-242161420	2q37.3	rs35995476	chr2:242161414	C/T	BOK	3' UTR	0
21	hsa-miR-99b_l2640 at chr4:1950635-1950671	4p16.3	rs12648105	chr4:1950648	A/G	WHSC1	3' UTR	0
22	hsa-miR-99b_l2639 at chr4:1952423-1952446	4p16.3	rs11545893	chr4:1952426	A/T	WHSC1	3' UTR	0
23	hsa-miR-99b_l2580 at chr4:1952436-1952459	4p16.3	rs10034373	chr4:1952453	C/T	WHSC1	3' UTR	0.0011
24	hsa-miR-99b_l2629 at chr4:1953583-1953607	4p16.3	rs35431239	chr4:1953591	T	WHSC1	3' UTR	0
25	hsa-miR-99b_l2632 at chr4:1953617-1953645	4p16.3	rs14647	chr4:1953633	A/C	WHSC1	3' UTR	0.001
26	hsa-miR-99b_l2642 at chr4:1954260-1954286	4p16.3	rs17132112	chr4:1954282	C/T	WHSC2	3' UTR	0
27	hsa-miR-99b_l2630 at chr4:1955486-1955521	4p16.3	rs1128562	chr4:1955495	C/T	WHSC2	Coding exon	0
28	hsa-miR-99b_l2571 at chr4:1955499-1955534	4p16.3	rs2234573	chr4:1955515	C/T	WHSC2	Coding exon	0
29	hsa-miR-125a-3p_l179 at chr6:3215070-3215106	6p25.2	rs3813486	chr6:3215104	A/G	SLC22A23	3' UTR	0.128
30	hsa-miR-125a-3p_l172 at chr6:3215569-3215596	6p25.2	rs1127473	chr6:3215577	A/G	SLC22A23	3' UTR	0.068
31	hsa-miR-125a-3p_l167 at chr6:3216207-3216229	6p25.2	rs7742745	chr6:3216228	C/T	SLC22A23	3' UTR	0

32	hsa-miR-125a-3p_l176 at chr6:3216779-3216812	6p25.2	rs35091219	chr6:3216786	C/T	SLC22A23	3' UTR	0.007
33	hsa-miR-125a-3p_l176 at chr6:3216779-3216812	6p25.2	rs3211066	chr6:3216787	C/G	SLC22A23	3' UTR	0.134
34	hsa-miR-125a-3p_l1239 at chr7:5237612-5237635	7p22.1	rs1135000	chr7:5237627	A/C	WIPI2	3' UTR	0
35	hsa-miR-125a-3p_l737 at chr7:63453808-63453831	7q11.21	rs4718067	chr7:63453831	A/G	BC031335	3' UTR	0.305
36	hsa-miR-125a-3p_l755 at chr7:63454913-63454943	7q11.21	rs1993894	chr7:63454923	A/G	BC031335	3' UTR	0.286
37	hsa-miR-125a-3p_l749 at chr7:63455317-63455355	7q11.21	rs11762700	chr7:63455322	C/G	BC031335	3' UTR	0.171
38	hsa-miR-125a-3p_l742 at chr7:63455592-63455625	7q11.21	rs621054	chr7:63455611	G/T	BC031335	3' UTR	0.357
39	hsa-miR-125a-3p_l747 at chr7:63456041-63456075	7q11.21	rs1404679	chr7:63456067	A/G	BC031335	3' UTR	0.301
40	hsa-miR-145_l2142 at chr7:98831254-98831278	7q22.1	rs3180760	chr7:98831261	C/G	PDAP1	3' UTR	0
41	hsa-miR-125a-5p_l1761 at chr7:129825030-129825070	7q32.2	rs10257334	chr7:129825049	C/G	CPA1	Downstream	0
42	hsa-miR-125a-3p_l1094 at chr7:149126982-149127004	7q36.1	rs10274229	chr7:149126986	C/G	SSPO	Intron	0.001
43	hsa-miR-125a-3p_l932 at chr7:157026130-157026155	7q36.3	rs1122307	chr7:157026137	A/G	PTPRN2	3' UTR	0.076
44	hsa-miR-125a-3p_l1142 at chr9:129688138-129688166	9q34.11	rs913981	chr9:129688166	A/G	ST6GALNAC6	3' UTR	0.0011
45	hsa-miR-145_l2192 at chr10:43010394-43010424	10q11.21	rs1254967	chr10:43010397	A/G	GALNACT-2	Downstream	0.163
46	hsa-miR-125a-3p_l345 at chr10:73765054-73765078	10q22.1	rs7894262	chr10:73765059	A/G	DNAJB12	3' UTR	0.026
47	hsa-miR-99b_l2547 at chr10:75341290-75341317	10q22.2	rs2227579	chr10:75341295	C/T	C10orf55	3' UTR	0.009
48	hsa-miR-99b_l2547 at chr10:75341290-75341317	10q22.2	rs2227555	chr10:75341302	A/C	C10orf55	3' UTR	0
49	hsa-miR-125a-3p_l951 at chr10:105344799-105344821	10q24.33	rs7477079	chr10:105344807	A/G	NEURL	Downstream	0
50	hsa-miR-145_l1860 at chr10:133454850-133454890	10q26.3	rs11156473	chr10:133454858	A/G	FLJ46300	3' UTR	0.163
51	hsa-miR-125a-5p_l1428 at chr11:2826004-2826034	11p15.4	rs45477500	chr11:2826028	A/G	KCNQ1	3' UTR	0.017
52	hsa-miR-125a-5p_l1428 at chr11:2826004-2826034	11p15.4	rs422976	chr11:2826031	C/G	KCNQ1	3' UTR	0
53	hsa-miR-125a-5p_l1667 at chr11:3065064-3065089	11p15.4	rs8813	chr11:3065082	C/T	OSBPL5	3' UTR	0.248
54	hsa-miR-125a-5p_l1671 at chr11:3065249-3065282	11p15.4	rs1053746	chr11:3065261	C/T	OSBPL5	3' UTR	0.031
55	hsa-miR-125a-5p_l1666 at chr11:3065423-3065453	11p15.4	rs17178177	chr11:3065447	C/G	OSBPL5	3' UTR	0.110
56	hsa-miR-145_l1955 at chr11:17364585-17364611	11p15.1	rs2285676	chr11:17364601	C/T	KCNJ11	3' UTR	0.381
57	hsa-miR-145_l1955 at chr11:17364585-17364611	11p15.1	rs35294169	chr11:17364606	C	KCNJ11	3' UTR	0
58	hsa-miR-125a-3p_l57 at chr11:133753988-133754013	11q25	rs34747914	chr11:133754010	T	B3GAT1	3' UTR	0
59	hsa-miR-125a-3p_l46 at chr11:133754803-133754831	11q25	rs1045721	chr11:133754816	A/G	B3GAT1	3' UTR	0.135
60	hsa-miR-125a-3p_l1019 at chr14:69580630-69580658	14q24.2	rs1459706	chr14:69580639	C/G	SLC8A3	Downstream	0.091
61	hsa-miR-125a-3p_l1018 at chr14:69581901-69581925	14q24.2	rs8020841	chr14:69581912	C/T	SLC8A3	3' UTR	0.219
62	hsa-miR-125a-3p_l269 at chr14:104547679-104547711	14q32.33	rs3204173	chr14:104547703	A/G	CDCA4	3' UTR	0.176
63	hsa-miR-125a-5p_l1422 at chr14:104587262-104587295	14q32.33	rs12890396	chr14:104587271	C/T	GPR132	3' UTR	0.324
64	hsa-miR-145_l1822 at chr15:38450015-38450040	15q15.1	rs3803359	chr15:38450040	C/T	DISP2	3' UTR	0.161
65	hsa-miR-145_l2197 at chr17:1485497-1485522	17p13.3	rs3744643	chr17:1485516	A/G	SCARF1	Coding exon	0
66	hsa-miR-125a-5p_l1310 at chr17:3711230-3711261	17p13.2	rs2532949	chr17:3711236	A/G	CAMKK1	3' UTR	0
67	hsa-miR-125a-5p_l1310 at chr17:3711230-3711261	17p13.2	rs2567868	chr17:3711238	C/T	CAMKK1	3' UTR	0
68	hsa-miR-125a-5p_l1310 at chr17:3711230-3711261	17p13.2	rs8073668	chr17:3711258	C/G	CAMKK1	3' UTR	0.001
69	hsa-miR-145_l1825 at chr17:7034093-7034120	17p13.1	rs7502202	chr17:7034106	A/C	DLG4	3' UTR	0
70	hsa-miR-150_l2426 at chr17:17072916-17072942	17p11.2	rs1736215	chr17:17072927	C/T	FLCN	Intron	0.469

71	hsa-miR-150_l2427	at chr17:17074574-17074597	17p11.2	rs9652820	chr17:17074576	A/C	FLCN	Intron	0.0021
72	hsa-miR-150_l2425	at chr17:17075613-17075636	17p11.2	rs3862149	chr17:17075630	C/T	FLCN	Intron	0
73	hsa-miR-145_l1940	at chr17:44157217-44157239	17q21.32	rs8068566	chr17:44157228	C/T	HOXB13	3' UTR	0.0011
74	hsa-miR-145_l1942	at chr17:44157627-44157655	17q21.32	rs8069252	chr17:44157629	C/T	HOXB13	3' UTR	0
75	hsa-miR-125a-3p_l414	at chr19:633106-633128	19p13.3	rs34594434	chr19:633120	C	FSTL3	3' UTR	0
76	hsa-miR-125a-3p_l416	at chr19:5794546-5794569	19p13.3	rs410044	chr19:5794548	A/G	FUT3	3' UTR	0
77	hsa-miR-125a-3p_l422	at chr19:5794572-5794601	19p13.3	rs34304528	chr19:5794576	C/T	FUT3	3' UTR	0.128
78	hsa-miR-125a-3p_l418	at chr19:5794594-5794617	19p13.3	rs874232	chr19:5794609	A/G	FUT3	3' UTR	0.429
79	hsa-miR-125a-3p_l417	at chr19:5794707-5794730	19p13.3	rs441158	chr19:5794728	C/T	FUT3	3' UTR	0
80	hsa-miR-125a-3p_l432	at chr19:5817411-5817435	19p13.3	rs3745631	chr19:5817427	A/C	FUT5	3' UTR	0
81	hsa-miR-125a-3p_l436	at chr19:5817534-5817562	19p13.3	rs374028	chr19:5817549	A/G	FUT5	3' UTR	0
82	hsa-miR-125a-5p_l1689	at chr19:45592296-45592327	19q13.2	rs35810126	chr19:45592297	C	PRX	3' UTR	0
83	hsa-miR-125a-5p_l1687	at chr19:45592684-45592714	19q13.2	rs268674	chr19:45592705	A/G	PRX	Coding exon	0.059
84	hsa-miR-125a-5p_l1684	at chr19:45593420-45593447	19q13.2	rs268672	chr19:45593444	C/T	PRX	Coding exon	0.442
85	hsa-miR-125a-5p_l1696	at chr19:45595338-45595370	19q13.2	rs3814289	chr19:45595352	C/T	PRX	Coding exon	0
86	hsa-miR-145_l1764	at chr19:63550137-63550156	19q13.43	rs1047461	chr19:63550148	C/T	A1BG	3' UTR	0
87	hsa-miR-125a-5p_l1728	at chr20:1236946-1236970	20p13	rs3803947	chr20:1236966	A/G	SDCBP2	Downstream	0.464
88	hsa-miR-125a-5p_l1734	at chr20:1237580-1237606	20p13	rs13163	chr20:1237585	A/G	SDCBP2	Downstream	0.058
89	hsa-miR-145_l2195	at chr20:29535949-29535989	20q11.21	rs2233836	chr20:29535967	A/C	REM1	3' UTR	0
90	hsa-miR-145_l2193	at chr20:29536052-29536078	20q11.21	rs2233837	chr20:29536061	A/G	REM1	3' UTR	0.001
91	hsa-miR-145_l1807	at chr20:30082979-30083014	20q11.21	rs6121315	chr20:30083007	C/T	C20orf160	3' UTR	0.142
92	hsa-miR-125a-5p_l1712	at chr20:42814035-42814061	20q13.12	rs34220705	chr20:42814039	C	RIMS4	3' UTR	0
93	hsa-miR-145_l1909	at chr20:62060313-62060349	20q13.33	rs6122221	chr20:62060314	G/T	ZNF512B	3' UTR	0
94	hsa-miR-145_l1914	at chr20:62060654-62060688	20q13.33	rs6062335	chr20:62060667	C/T	ZNF512B	3' UTR	0
95	hsa-miR-145_l1908	at chr20:62060775-62060799	20q13.33	rs817321	chr20:62060778	C/T	ZNF512B	3' UTR	0.013
96	hsa-miR-145_l2154	at chr21:44001448-44001472	21q22.3	rs35233048	chr21:44001454	C	PDXK	3' UTR	0
97	hsa-miR-145_l2148	at chr21:44002197-44002227	21q22.3	rs9984325	chr21:44002213	A/G	PDXK	3' UTR	0
98	hsa-miR-145_l1937	at chr22:20131541-20131572	22q11.21	rs10597644	chr22:20131554	CAGT	HIC2	3' UTR	0
99	hsa-miR-145_l1921	at chr22:20135375-20135401	22q11.21	rs11557463	chr22:20135387	G/T	HIC2	3' UTR	0
100	hsa-miR-125a-3p_l849	at chrX:151978557-151978591	Xq28	rs3830028	chrX:151978585	C/T	PNMA3	3' UTR	0.049
101	hsa-miR-125a-3p_l850	at chrX:151978771-151978798	Xq28	rs11539741	chrX:151978782	C/G	PNMA3	3' UTR	0
102	hsa-miR-125a-3p_l860	at chrX:151979007-151979037	Xq28	rs1045069	chrX:151979017	A/G	PNMA3	3' UTR	0.432

# Minor allele frequency in controls.