

**Supplemental Table 1a. MiRNAs differentially expressed between women with surgically diagnosed endometriosis and asymptomatic controls with separate comparisons for each of the three phases of the menstrual cycle; LIMMA output**

<b>T1 = Early proliferative phase of menstrual cycle</b>								
<b>miR name</b>	<b>logFC<sup>1</sup></b>	<b>AveExpr<sup>2</sup></b>	<b>t<sup>3</sup></b>	<b>P-value<sup>4</sup></b>	<b>adj. p-val<sup>5</sup></b>	<b>B<sup>6</sup></b>	<b>FC</b>	<b>(-1)/FC</b>
<b>miR-23a</b>	2.2720	28.2832	4.0132	0.0002	0.0615	0.4248	0.2070	-4.8298
<b>miR-155</b>	-5.3583	26.2776	-3.2083	0.0025	0.2807	-1.5425	41.0199	-0.0244
<b>miR-574-3p</b>	4.4740	23.0591	3.1245	0.0032	0.2807	-1.7341	0.0450	-22.2235
<b>miR-30c</b>	-0.7566	18.2729	-2.6212	0.0120	0.5830	-2.8166	1.6895	-0.5919
<b>miR-135b</b>	-1.0682	30.7096	-2.5821	0.0132	0.5830	-2.8954	2.0969	-0.4769
<b>miR-143</b>	-1.0008	24.0982	-2.5215	0.0154	0.5830	-3.0160	2.0011	-0.4997
<b>miR-642</b>	-1.0381	29.7405	-2.4821	0.0170	0.5830	-3.0931	2.0535	-0.4870
<b>miR-500</b>	1.5943	29.1700	2.4701	0.0175	0.5830	-3.1164	0.3312	-3.0195
<b>miR-128</b>	-1.0528	25.1322	-2.2132	0.0321	0.9533	-3.5957	2.0745	-0.4820
<b>miR-301b</b>	-1.2118	27.6205	-2.1502	0.0371	0.9905	-3.7072	2.3163	-0.4317
<b>miR-24</b>	-0.6497	16.0373	-2.0936	0.0421	0.9925	-3.8050	1.5689	-0.6374
<b>miR-662</b>	-4.9167	31.7130	-4.3571	0.0001	0.0172	1.2291	30.2040	-0.0331
<b>miR-93*</b>	-1.6586	23.2657	-3.6447	0.0009	0.0674	-0.6203	3.1572	-0.3167
<b>RNU6B</b>	2.5987	32.5109	3.4079	0.0017	0.0867	-1.2068	0.1651	-6.0572
<b>miR-145*</b>	-1.7612	29.4537	-2.7457	0.0095	0.1978	-2.7379	3.3897	-0.2950
<b>miR-29a*</b>	2.0011	32.4395	2.7434	0.0095	0.1978	-2.7428	0.2498	-4.0030
<b>miR-639</b>	2.0358	34.4856	2.6981	0.0106	0.1978	-2.8404	0.2439	-4.1005
<b>miR-376a*</b>	2.2008	32.9256	2.6819	0.0111	0.1978	-2.8752	0.2175	-4.5972
<b>miR-624*</b>	-2.3078	32.3133	-2.6748	0.0113	0.1978	-2.8904	4.9514	-0.2020
<b>miR-643</b>	2.8644	33.6492	2.6291	0.0126	0.1978	-2.9873	0.1373	-7.2821
<b>miR-7-1*</b>	-1.8442	22.5047	-2.6059	0.0134	0.1978	-3.0360	3.5905	-0.2785
<b>miR-923</b>	2.5813	23.1935	2.5718	0.0145	0.1978	-3.1070	0.1671	-5.9847
<b>miR-638</b>	1.9905	32.9126	2.5548	0.0151	0.1978	-3.1424	0.2517	-3.9736
<b>miR-23b*</b>	1.6384	34.3843	2.4950	0.0174	0.2107	-3.2651	0.3212	-3.1132
<b>let-7a*</b>	1.8765	33.7251	2.4293	0.0204	0.2286	-3.3977	0.2723	-3.6718
<b>miR-630</b>	2.7447	31.7362	2.2427	0.0313	0.3279	-3.7606	0.1492	-6.7026
<b>miR-10b*</b>	-1.9777	28.1925	-2.1826	0.0358	0.3517	-3.8729	3.9387	-0.2539
<b>miR-99b*</b>	-1.2141	27.9429	-2.1090	0.0422	0.3869	-4.0075	2.3200	-0.4310
<b>miR-138-1*</b>	2.2162	25.9385	2.0855	0.0444	0.3869	-4.0497	0.2152	-4.6467

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<sup>2</sup>AveExpr = average normalised Cq values across all arrays in the experiment

<sup>3</sup>t = moderated t-statistics

<sup>4</sup>P-value – P-value corresponding to T statistics

<sup>5</sup>adj. P-value = associated P-value after adjustment for multiple testing by Benjamini and Hochberg's method

<sup>6</sup>B = B-statistics = log-odds that the target is differentially expressed

**T2 = Late proliferative phase of menstrual cycle**

<b>miR name</b>	<b>logFC<sup>1</sup></b>	<b>AveExpr<sup>2</sup></b>	<b>t<sup>3</sup></b>	<b>P-value<sup>4</sup></b>	<b>adj. P-val<sup>5</sup></b>	<b>B<sup>6</sup></b>	<b>FC</b>	<b>(-1)/FC</b>
<b>miR-574-3p</b>	5.6485	23.0591	3.8109	0.0004	0.0894	-0.0312	0.0199	-50.1601
<b>miR-23a</b>	2.1460	28.2832	3.6621	0.0007	0.0894	-0.4306	0.2259	-4.4259
<b>miR-128</b>	-1.7339	25.1322	-3.5215	0.0010	0.0904	-0.8008	3.3262	-0.3006
<b>miR-155</b>	-5.6233	26.2776	-3.2528	0.0022	0.1470	-1.4859	49.2914	-0.0203
<b>miR-362-3p</b>	-1.2431	29.0744	-2.9897	0.0046	0.2438	-2.1255	2.3670	-0.4225
<b>miR-598</b>	-1.1041	25.3622	-2.9195	0.0055	0.2455	-2.2905	2.1497	-0.4652
<b>miR-148b</b>	-0.7699	25.0233	-2.8323	0.0070	0.2653	-2.4918	1.7052	-0.5864
<b>miR-224</b>	1.0253	24.9487	2.7575	0.0085	0.2823	-2.6612	0.4913	-2.0355
<b>miR-148a</b>	-0.9580	24.0659	-2.6617	0.0108	0.3162	-2.8736	1.9426	-0.5148
<b>miR-874</b>	1.3073	30.6778	2.5901	0.0130	0.3162	-3.0289	0.4041	-2.4748
<b>miR-19b</b>	-0.8490	15.3423	-2.5885	0.0130	0.3162	-3.0323	1.8013	-0.5552
<b>miR-532-5p</b>	-1.6123	22.5198	-2.5069	0.0160	0.3551	-3.2055	3.0574	-0.3271
<b>miR-502-3p</b>	-1.0243	28.6324	-2.3663	0.0224	0.4286	-3.4941	2.0339	-0.4917
<b>miR-30c</b>	-0.6938	18.2729	-2.3220	0.0249	0.4286	-3.5826	1.6175	-0.6182
<b>miR-654-3p</b>	-1.0385	28.8777	-2.3007	0.0262	0.4286	-3.6245	2.0541	-0.4868
<b>miR-1</b>	-1.4758	28.4239	-2.2743	0.0279	0.4286	-3.6762	2.7814	-0.3595
<b>miR-181c</b>	0.7861	30.3513	2.2596	0.0289	0.4286	-3.7048	0.5799	-1.7244
<b>miR-369-3p</b>	1.1473	30.4164	2.2556	0.0291	0.4286	-3.7126	0.4515	-2.2150
<b>miR-320</b>	0.9856	18.3370	2.2359	0.0305	0.4286	-3.7506	0.5050	-1.9802
<b>miR-495</b>	-0.7102	23.3157	-2.0416	0.0472	0.5990	-4.1112	1.6360	-0.6112
<b>miR-662</b>	-5.6634	31.7130	-4.7687	0.0000	0.0050	2.3515	50.6816	-0.0197
<b>miR-29a*</b>	2.8222	32.4395	3.6763	0.0008	0.0616	-0.5733	0.1414	-7.0725
<b>miR-93*</b>	-1.4526	23.2657	-3.0328	0.0045	0.2374	-2.1523	2.7370	-0.3654
<b>miR-378*</b>	-1.5203	31.0623	-2.4889	0.0177	0.6949	-3.3498	2.8684	-0.3486
<b>miR-661</b>	3.1073	28.5530	2.2583	0.0302	0.7173	-3.8091	0.1160	-8.6179
<b>let-7f-2*</b>	-0.9158	32.5712	-2.0714	0.0457	0.7173	-4.1573	1.8867	-0.5300
<b>miR-625*</b>	-1.1217	21.4678	-2.0312	0.0499	0.7173	-4.2292	2.1761	-0.4595

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**T3 = Mid luteal phase of menstrual cycle**

<b>miR name</b>	<b>logFC<sup>1</sup></b>	<b>AveExpr<sup>2</sup></b>	<b>t<sup>3</sup></b>	<b>P-value<sup>4</sup></b>	<b>adj. P-val<sup>5</sup></b>	<b>B<sup>6</sup></b>	<b>FC</b>	<b>(-1)/FC</b>
<b>miR-155</b>	-5.3980	26.2776	-3.2321	0.0023	0.4820	-1.9400	42.1662	-0.0237
<b>miR-574-3p</b>	4.4040	23.0591	3.0756	0.0036	0.4820	-2.2115	0.0472	-21.1708
<b>miR-425</b>	0.7781	21.9962	2.6181	0.0121	0.5514	-2.9611	0.5831	-1.7149
<b>miR-23a</b>	1.4607	28.2832	2.5801	0.0133	0.5514	-3.0201	0.3633	-2.7523
<b>miR-135b</b>	-1.0185	29.0744	-2.5357	0.0149	0.5514	-3.0883	2.0259	-0.4936
<b>miR-200b</b>	-1.2500	27.9033	-2.5342	0.0149	0.5514	-3.0906	2.3784	-0.4204
<b>miR-135b</b>	-0.9839	30.7096	-2.3782	0.0218	0.5514	-3.3236	1.9778	-0.5056
<b>miR-331-3p</b>	0.8396	20.3833	2.3557	0.0230	0.5514	-3.3564	0.5588	-1.7895
<b>miR-505</b>	-0.9368	28.7898	-2.2769	0.0277	0.5514	-3.4693	1.9143	-0.5224
<b>let-7g</b>	-0.6115	21.2242	-2.2743	0.0279	0.5514	-3.4730	1.5279	-0.6545
<b>miR-502-3p</b>	-0.9484	28.6324	-2.2680	0.0283	0.5514	-3.4819	1.9298	-0.5182
<b>miR-148a</b>	-0.7813	24.0659	-2.2470	0.0297	0.5514	-3.5115	1.7187	-0.5818
<b>miR-433</b>	1.1747	25.8299	2.2469	0.0297	0.5514	-3.5117	0.4430	-2.2575
<b>miR-532-5p</b>	-1.3895	22.5198	-2.2363	0.0305	0.5514	-3.5265	2.6199	-0.3817
<b>miR-452</b>	1.1690	28.1626	2.2034	0.0329	0.5514	-3.5722	0.4447	-2.2485
<b>miR-29c</b>	0.8148	23.8084	2.1935	0.0336	0.5514	-3.5859	0.5685	-1.7590
<b>miR-31</b>	0.9408	27.5430	2.1745	0.0351	0.5514	-3.6120	0.5209	-1.9196
<b>miR-130b</b>	1.1236	24.7571	2.0934	0.0421	0.5839	-3.7215	0.4589	-2.1790
<b>miR-1</b>	-1.3060	28.4239	-2.0833	0.0431	0.5839	-3.7349	2.4726	-0.4044
<b>miR-874</b>	1.0063	30.6778	2.0638	0.0450	0.5839	-3.7607	0.4978	-2.0088
<b>miR-486-5p</b>	-1.2600	21.9458	-2.0544	0.0459	0.5839	-3.7730	2.3949	-0.4176
<b>miR-148b</b>	-0.5325	25.0233	-2.0276	0.0487	0.5911	-3.8080	1.4464	-0.6914
<b>miR-662</b>	-5.4995	31.7130	-4.4778	0.0001	0.0120	1.5546	45.2395	-0.0221
<b>miR-29a*</b>	2.6049	32.4395	3.2811	0.0023	0.1551	-1.5272	0.1644	-6.0833
<b>RNU6B</b>	2.6505	32.5109	3.1935	0.0030	0.1551	-1.7367	0.1593	-6.2787
<b>miR-93*</b>	-1.3338	23.2657	-2.6928	0.0108	0.4234	-2.8723	2.5206	-0.3967
<b>miR-337-3p</b>	2.9869	32.0637	2.4023	0.0217	0.6819	-3.4747	0.1261	-7.9275
<b>miR-586</b>	-1.8794	34.1986	-2.0992	0.0431	0.8863	-4.0507	3.6793	-0.2718
<b>miR-183*</b>	-2.4803	29.2654	-2.0961	0.0433	0.8863	-4.0563	5.5800	-0.1792

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<sup>5</sup>adj. P-value = associated P-value after adjustment for multiple testing by Benjamini and Hochberg's method

<sup>6</sup>B = B-statistics = log-odds that the target is differentially expressed

**Supplemental Table 1b. MiRNAs identified as differentially expressed when comparing women with surgically diagnosed endometriosis to symptomatic control women, surgically proven as disease-free**

miR name	logFC <sup>1</sup>	AveExpr <sup>2</sup>	t <sup>3</sup>	P-value <sup>4</sup>	adj. P-val <sup>5</sup>	B <sup>6</sup>	FC	(-1)/FC
miR-16	2.6920	16.1170	-2.8660	0.0090	0.8130	-4.4510	0.1547	-6.4621
miR-142-3p	2.1010	20.6330	-2.4630	0.0220	0.8130	-4.4870	0.2331	-4.2901
miR-146b-3p	0.5860	31.1570	2.4410	0.0230	0.8130	-4.4890	0.6662	-1.5011
miR-532-5p	0.6530	24.6310	2.3390	0.0280	0.8130	-4.4980	0.6360	-1.5724
miR-422a	0.4250	31.0840	2.3300	0.0290	0.8130	-4.4980	0.7448	-1.3426
miR-885-5p	3.0570	26.7290	-2.3270	0.0290	0.8130	-4.4990	0.1202	-8.3224
miR-19a	2.0570	21.3820	-2.3220	0.0290	0.8130	-4.4990	0.2403	-4.1612
miR-188-3p	7.6340	29.9330	-2.2470	0.0350	0.8130	-4.5050	0.0050	-198.6383
miR-338-3p	0.4650	30.8570	2.1820	0.0400	0.8130	-4.5110	0.7245	-1.3803
miR-139-3p	0.4950	25.9860	2.1670	0.0410	0.8130	-4.5120	0.7096	-1.4093
miR-361-5p	0.5990	26.5050	2.1440	0.0430	0.8130	-4.5140	0.6602	-1.5147
miR-590-5p	1.8720	23.7010	-2.1230	0.0450	0.8130	-4.5160	0.2732	-3.6604
miR-923	0.2720	21.0450	2.5070	0.0200	0.9220	-4.5050	0.8282	-1.2075
miR-550*	0.6390	31.9220	2.1230	0.0450	0.9220	-4.5320	0.6422	-1.5572

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