



**Supplementary Figure S1.** Alternative normalization methods confirm that hsa-miR-135a expression is upregulated in endometriosis patients. **(A)** Firefly custom multiplex miRNA expression data was normalized to the arithmetic mean of the 28 miRNAs plus the spike-in miRNA. **(B)** Firefly custom multiplex miRNA expression data was normalized to the non-standard geometric mean of the 28 miRNAs plus the spike-in miRNA. The non-standard geometric mean was calculated after the removal of zero values as described by Habib (2012) previously [36]. Significant differences between the groups were detected by a Mann-Whitney-U-test followed by correction for multiple testing applying Bonferroni-Holm algorithms. The adjusted p-value is shown on the graph.

**Supplementary Table S1A.** Results after testing the distribution of the levels of miRNAs within the samples are shown. The analysis was done using SPSS based Kolmogorov-Smirnov and Shapiro-Wilk methods. The correction of the data was performed using Lilliefors correction method.

normality test type	Kolmogorov-Smirnov			Shapiro-Wilk			
	miRNA	statistic	dF	significance	statistic	dF	significance <sup>a</sup>
hsa-mir-16-5p		0,335	34	0,00000	0,555	34	0,00000
hsa-mir-191-5p		0,314	34	0,00000	0,538	34	0,00000
hsa-mir-195-5p		0,343	34	0,00000	0,449	34	0,00000
hsa-mir-362-5p		0,274	34	0,00000	0,698	34	0,00000
hsa-mir-135a		0,296	34	0,00000	0,728	34	0,00000
hsa-mir-17-5p		0,334	34	0,00000	0,462	34	0,00000
hsa-mir-20a-5p		0,349	34	0,00000	0,442	34	0,00000
hsa-mir-22-3p		0,301	34	0,00000	0,515	34	0,00000
hsa-mir-141-3p		0,37	34	0,00000	0,361	34	0,00000
hsa-mir-200a-3p		0,37	34	0,00000	0,357	34	0,00000
hsa-mir-145-5p		0,278	34	0,00000	0,642	34	0,00000
hsa-mir-31-5p		0,356	34	0,00000	0,424	34	0,00000
hsa-mir-154-5p		0,365	34	0,00000	0,536	34	0,00000
hsa-mir-378a-3p		0,326	34	0,00000	0,473	34	0,00000
hsa-mir-196b-5p		0,376	34	0,00000	0,336	34	0,00000
hsa-mir-33a-5p		0,405	34	0,00000	0,347	34	0,00000
hsa-let-7d-5p		0,326	34	0,00000	0,559	34	0,00000
hsa-mir-145-3p		0,456	34	0,00000	0,48	34	0,00000
hsa-mir-584		0,366	34	0,00000	0,445	34	0,00000
hsa-mir-9-3p		0,357	34	0,00000	0,504	34	0,00000
hsa-mir-141-5p		0,393	34	0,00000	0,386	34	0,00000
hsa-mir-122-5p		0,329	34	0,00000	0,642	34	0,00000
hsa-mir-103a-3p		0,341	34	0,00000	0,449	34	0,00000
hsa-mir-30e-5p		0,258	34	0,00000	0,626	34	0,00000
hsa-mir-126-5p		0,322	34	0,00000	0,615	34	0,00000
hsa-mir-93-5p		0,322	34	0,00000	0,501	34	0,00000
hsa-mir-92a-3p		0,378	34	0,00000	0,402	34	0,00000

a: Lilliefors correction metod

dF: degree of freedom

**Supplementary Table S1B.** Results variability test of the levels of miRNAs are shown.  
The analysis was performed using SPSS.

miRNAs	samples number	MFI	SD	CV
hsa-mir-362-5p	34	1,037	1,516	1,462
hsa-mir-135aCorr	34	0,196	0,287	1,470
hsa-mir-30e-5pCorr	34	0,142	0,219	1,542
hsa-mir-122-5pCorr	34	0,703	1,191	1,695
hsa-mir-145-5pCorr	34	5,667	9,645	1,702
hsa-mir-126-5pCorr	34	0,106	0,198	1,865
hsa-mir-22-3pCorr	34	674,976	1293,144	1,916
hsa-mir-16-5pCorr	34	1202,317	2392,011	1,990
hsa-let-7d-5pCorr	34	37,644	75,327	2,001
hsa-mir-191-5pCorr	34	355,427	729,532	2,053
hsa-mir-154-5pCorr	34	0,062	0,132	2,136
hsa-mir-93-5pCorr	34	267,012	578,367	2,166
hsa-mir-378a-3pCorr	34	14,680	32,632	2,223
hsa-mir-9-3pCorr	34	0,287	0,657	2,285
hsa-mir-17-5pCorr	34	228,531	534,547	2,339
hsa-mir-15b-5pCorr	34	249,505	589,568	2,363
hsa-mir-145-3pCorr	34	0,028	0,068	2,388
hsa-mir-103a-3pCorr	34	225,891	552,404	2,445
hsa-mir-195-5pCorr	34	55,454	137,303	2,476
hsa-mir-20a-5pCorr	34	157,505	392,185	2,490
hsa-mir-584Corr	34	0,424	1,056	2,492
hsa-mir-31-5pCorr	34	6,904	18,257	2,645
hsa-mir-92a-3pCorr	34	150,574	398,268	2,645
hsa-mir-141-5pCorr	34	0,986	2,870	2,911
hsa-mir-141-3pCorr	34	32,091	96,410	3,004
hsa-mir-200a-3pCorr	34	50,667	153,180	3,023
hsa-mir-33a-5pCorr	34	1,986	6,067	3,055
hsa-mir-196b-5pCorr	34	0,247	0,780	3,164
MFI, Mean Fluorescence Intensity; SD, Standard deviation; CV, coefficient of variation				

**Supplementary Table S2.** Expression profile of focused panel miRNAs in saliva of women with and without endometriosis

miRNA	n= not expressed (MFI=0)	n=expressed (MFI>0)	total sample size	% below detection level
hsa-mir-16-5p	0	34	34	0
hsa-mir-191-5p	0	34	34	0
hsa-mir-22-3p	1	33	34	2,94
hsa-mir-141-3p	1	33	34	2,94
hsa-mir-17-5p	2	32	34	5,88
hsa-mir-20a-5p	2	32	34	5,88
hsa-mir-15b-5p	3	31	34	8,82
hsa-mir-362-5p	3	31	34	8,82
hsa-mir-200a-3p	3	31	34	8,82
hsa-mir-33a-5p	3	31	34	8,82
hsa-mir-92a-3p	3	31	34	8,82
hsa-mir-195-5p	4	30	34	11,76
hsa-mir-103a-3p	4	30	34	11,76
hsa-mir-93-5p	6	28	34	17,65
hsa-mir-378a-3p	8	26	34	23,53
hsa-let-7d-5p	9	25	34	26,47
hsa-mir-141-5p	11	23	34	32,35
hsa-mir-30e-5p	12	22	34	35,29
hsa-mir-31-5p	13	21	34	38,24
hsa-mir-122-5p	15	19	34	44,12
hsa-mir-145-5p	16	18	34	47,06
hsa-mir-9-3p	16	18	34	47,06
hsa-mir-584	17	17	34	50,00
hsa-mir-135a	18	16	34	52,94
hsa-mir-196b-5p	18	16	34	52,94
hsa-mir-154-5p	21	13	34	61,76
hsa-mir-126-5p	21	13	34	61,76
hsa-mir-145-3p	27	7	34	79,41

**Supplementary Table S3.** Differentially expressed miRNAs in saliva of women with endometriosis compared to women without endometriosis.

miRNA	exact p-value	adj.p-value (Bonferroni-Holm)
hsa-mir-135a	0,0008	0,022568
hsa-mir-126-5p	0,0080	0,216
hsa-mir-196b-5p	0,0097	0,252434
hsa-mir-584	0,0155	0,388175
hsa-mir-141-5p	0,0215	0,515976
hsa-mir-145-3p	0,0296	0,68034
hsa-mir-9-3p	0,0317	0,697708
hsa-mir-122-5p	0,066	1,386
hsa-mir-195-5p	0,128	2,56
hsa-mir-30e-5p	0,129	2,451
hsa-mir-378a-3p	0,154	2,772
hsa-mir-362-5p	0,245	4,165
hsa-mir-22-3p	0,259	4,144
hsa-mir-92a-3p	0,306	4,59
hsa-mir-145-5p	0,307	4,298
hsa-mir-17-5p	0,318	4,134
hsa-mir-33a-5p	0,322	3,864
hsa-mir-93-5p	0,369	4,059
hsa-mir-191-5p	0,394	3,94
hsa-mir-15b-5p	0,413	3,717
hsa-mir-16-5p	0,454	3,632
hsa-mir-31-5p	0,461	3,227
hsa-mir-103a-3p	0,479	2,874
hsa-mir-141-3p	0,496	2,48
hsa-mir-154-5p	0,506	2,024
hsa-let-7d-5p	0,680	2,04
hsa-mir-20a-5p	0,805	1,61
hsa-mir-200a-3p	1,000	28