Supplementary tables

Table SI. Reference (housekeeping) microRNAs used for normalization in different types of biological samples.

Specimen	Housekeeping
LBC	hsa-miR-608
	hsa-miR-584-5p
	hsa-miR-1234-3p
	hsa-miR-3934-5p
	hsa-miR-1287-5p
	hsa-miR-616-3p
	hsa-miR-3690
	hsa-miR-548n
	hsa-miR-296-3p
	hsa-miR-765
Plasma	hsa-miR-33b-5p
	hsa-miR-203a-5p
	hsa-miR-455-5p
	hsa-miR-362-5p
	hsa-miR-378f
	hsa-miR-365a-3p + hsa-miR-365b-3p
	hsa-miR-25-5p
	hsa-miR-887-5p
	hsa-miR-181a-2-3p
	hsa-miR-582-3p
Urine	RPL19
	hsa-miR-192-5p
	hsa-miR-6724-5p
	hsa-miR-1262
	hsa-miR-582-5p
	hsa-miR-548e-5p
	hsa-miR-525-5p
	hsa-miR-1268b

	hsa-miR-210-5p
	hsa-miR-147b

The normalization method used was low coefficient of variation. LBC, liquid-based cytology; miR, microRNA.

Table SII. Distribution of the raw counts of 798 microRNAs in liquid-based cytology samples from each patient.

A, Case group		
Patient	Median (min-max)	Mean (SD)
1	22 (3-1,454)	31 (65)
2	23 (1-2,448)	38 (123)
3	23 (0-60,643)	199 (2,259)
4	21 (2-6,831)	49 (269)
5	20 (1-2,126)	30 (89)
6	19 (1-756)	25 (39)
7	29 (4-1,662)	42 (85)
8	29 (4-2,769)	50 (140)
9	27 (5-1,305)	37 (70)
10	34 (4-7,483)	67 (310)
11	28 (4-19,992)	100 (766)
12	28 (1-2,885)	49 (154)
B, Control group		
Patient	Median (min-max)	Mean (SD)
1	22 (0-3,000)	34 (122)
2	25 (4-1,771)	48 (132)
3	20 (2-488)	24 (26)
4	29 (4-82,167)	212 (3,134)
5	24 (3-12,549)	75 (556)
6	12 (2-136)	14 (9)
7	28 (4-22,011)	95 (824)
8	24 (2-2,520)	45 (160)
9	28 (2-2,511)	51 (154)
10	28 (6-7,295)	73 (431)
11	33 (4-35,032)	127 (1,402)
12	16 (0-429)	20 (22)

min, minimum; max, maximum; SD, standard deviation.

Table SIII. Distribution of the raw counts of 798 microRNAs in plasma samples from each patient.

A, Case group		
Patient	Median (min-max)	Mean (SD)
1	17 (1-9,388)	42 (346)
2	16 (2-29,204)	61 (1,035)
3	13 (2-9,436)	32 (337)
4	15 (2-14,622)	62 (569)
5	17 (2-9,909)	83 (527)
6	16 (2-7,393)	50 (325)
7	12 (1-4,648)	26 (175)
8	14 (1-2,025)	25 (93)
9	10 (0-3,218)	18 (116)
10	16 (2-3,650)	27 (135)
11	16 (3-8,283)	38 (301)
12	14 (1-9,675)	33 (346)
B, Control group		
Patient	Median (min-max)	Mean (SD)
1	18 (3-11,146)	52 (422)
2	17 (2-12,135)	44 (439)
3	12 (1-3,679)	21 (132)
4	18 (1-25,536)	68 (912)
5	13 (2-8,313)	30 (297)
6	19 (4-18,140)	53 (645)
7	14 (1-6,221)	35 (239)
8	14 (1-7,845)	31 (280)
9	15 (2-1,034)	19 (39)
10	13 (1-9,431)	43 (358)
11	10 (0-6,512)	24 (232)
12	15 (0-28,143)	63 (999)

min, minimum; max, maximum; SD, standard deviation.

Table SIV. Distribution of the raw counts of 798 microRNAs in urine samples from each patient.

A, Case group		
Patient	Median (min-max)	Mean (SD)
1	15 (0-145)	17 (11)
2	16 (1-177)	20 (16)
3	15 (2-136)	17 (10)
4	15 (2-144)	18 (13)
5	17 (4-379)	24 (23)
6	17 (4-815)	23 (34)
7	14 (1-544)	17 (22)
8	15 (1-169)	17 (10)
9	14 (1-129)	16 (11)
10	14 (2-163)	17 (12)
11	16 (1-167)	19 (12)
12	14 (1-259)	17 (16)
B, Control group		
Patient	Median (min-max)	Mean (SD)
1	17 (2-1,918)	25 (74)
2	17 (3-184)	21 (15)
3	14 (1-1,070)	18 (41)
4	17 (2-846)	24 (39)
5	16 (1-451)	20 (21)
6	8 (0-135)	10 (9)
7	15 (1-181)	18 (13)
8	14 (2-161)	17 (10)
9	12 (1-122)	14 (8)
10	18 (2-170)	21 (15)
11	18 (2-146)	20 (12)
12	14 (1-147)	17 (13)

min, minimum; max, maximum; SD, standard deviation.

Table SV. Normalized counts of 798 microRNAs in liquid-based cytology samples from each patient.

A, Case group		
Patient	Median (min-max)	Mean (SD)
1	4.51 (0-10.62)	4.49 (1.11)
2	4.60 (0-11.33)	4.51 (1.19)
3	4.75 (0-16.11)	5.01 (1.84)
4	4.36 (0-12.71)	4.35 (1.31)
5	4.33 (0-11.13)	4.33 (1.16)
6	4.32 (0-9.64)	4.22 (1.09)
7	4.74 (0-10.63)	4.74 (1.18)
8	4.71 (0-11.31)	4.67 (1.25)
9	4.59 (0-9.69)	4.50 (1.10)
10	4.79 (0-12.61)	4.81 (1.27)
11	4.83 (0-14.31)	4.96 (1.48)
12	4.82 (0-11.56)	4.82 (1.28)
B, Control group		
Patient	Median (min-max)	Mean (SD)
1	4.49 (0-11.65)	4.48 (1.17)
2	4.51 (0-10.66)	4.53 (1.29)
3	4.16 (0-8.85)	4.08 (1.01)
4	4.54 (0-16.06)	4.67 (1.48)
5	4.64 (0-13.73)	4.73 (1.37)
6	4.17 (0-7.68)	4.00 (1.09)
7	4.75 (0-14.42)	4.87 (1.48)
8	4.61 (0-11.38)	4.62 (1.23)
9	4.68 (0-11.17)	4.69 (1.27)
10	4.64 (0-12.71)	4.71 (1.31)
11	4.80 (0-14.85)	4.82 (1.32)
12	4.31 (0-9.06)	4.19 (1.10)

min, minimum; max, maximum; SD, standard deviation.

Table SVI. Normalized counts of 798 microRNAs in plasma samples from each patient.

A, Case group		
Patient	Median (min-max)	Mean (SD)
1	3.81 (0-13.00)	3.87 (1.27)
2	3.90 (0-12.75)	3.95 (1.38)
3	3.84 (0-12.44)	3.79 (1.24)
4	3.71 (0-10.89)	3.70 (1.17)
5	3.72 (0-12.05)	3.64 (1.12)
6	3.86 (0-11.78)	3.81 (1.15)
7	3.91 (0-12.92)	3.93 (1.20)
8	4.00 (0-13.43)	3.90 (1.21)
9	4.00 (0-14.93)	3.99 (1.23)
10	3.84 (0-13.34)	3.77 (1.19)
11	3.88 (0-13.81)	4.00 (1.43)
12	4.01 (0-13.20)	4.16 (1.61)
B, Control group		
Patient	Median (min-max)	Mean (SD)
1	3.68 (0-13.11)	3.69 (1.22)
2	3.94 (0-13.92)	3.98 (1.20)
3	3.90 (0-12.70)	3.90 (1.29)
4	3.71 (0-12.94)	3.75 (1.19)
5	3.76 (0-9.97)	3.71 (1.03)
6	3.96 (0-13.31)	4.05 (1.32)
7	3.82 (0-13.32)	3.87 (1.41)
8	3.59 (0-12.94)	3.54 (1.27)
9	3.73 (0-14.71)	3.79 (1.31)
10	3.85 (0-13.42)	3.90 (1.23)
11	3.66 (0-11.92)	3.57 (1.13)
12	3.84 (0-14.39)	3.90 (1.31)

min, minimum; max, maximum; SD, standard deviation.

Table SVII. Normalized counts of 798 microRNAs in urine samples from each patient.

A, Case group		
Patient	Median (min-max)	Mean (SD)
1	3.78 (0-6.44)	3.69 (1.04)
2	3.74 (0-9.36)	3.72 (1.07)
3	3.82 (0-9.10)	3.73 (1.02)
4	3.96 (0-6.35)	3.89 (0.99)
5	3.86 (0-6.16)	3.73 (0.99)
6	3.75 (0-7.20)	3.76 (1.02)
7	3.87 (0-7.08)	3.86 (1.01)
8	3.76 (0-8.07)	3.69 (1.07)
9	3.97 (0-7.20)	3.90 (1.04)
10	3.97 (0-6.52)	3.85 (0.96)
11	3.71 (0-6.79)	3.68 (1.05)
12	3.86 (0-8.34)	3.90 (1.10)
B, Control group		
Patient	Median (min-max)	Mean (SD)
1	3.83 (0-8.74)	3.80 (1.09)
2	3.63 (0-7.71)	3.42 (1.15)
3	3.90 (0-7.05)	3.81 (0.98)
4	3.86 (0-6.44)	3.81 (0.96)
5	3.79 (0-6.51)	3.67 (0.98)
6	4.05 (0-10.87)	3.99 (1.10)
7	4.03 (0-7.35)	3.97 (1.01)
8	4.13 (0-7.15)	3.98 (0.99)
9	3.74 (0-7.13)	3.73 (1.04)
10	3.94 (0-7.32)	3.85 (1.02)
11	3.89 (0-10.25)	3.85 (1.08)
12	3.92 (0-9.56)	3.91 (1.11)

min, minimum; max, maximum; SD, standard deviation.