

Table S1. Sensitivity and specificity of the single methylation markers and marker panel GHSR/MAL for bladder cancer diagnosis in full void, urine pellet and supernatant.

Markers	Full void		Pellet		Supernatant	
	Sens (95% CI)	Spec (95% CI)	Sens (95% CI)	Spec (95% CI)	Sens (95% CI)	Spec (95% CI)
FAM19A4	15.4 (1.9 – 45.4)	100.0 (73.5 – 100.0)	14.3 (1.8 – 42.8)	100.0 (73.5 – 100.0)	14.3 (1.8 – 42.8)	100.0 (73.5 – 100.0)
GHSR	38.5 (13.9 – 68.4)	100.0 (73.5 – 100.0)	64.3 (35.1 – 87.2)	100.0 (73.5 – 100.0)	61.5 (31.6 – 86.1)	100.0 (73.5 – 100.0)
MAL	46.2 (19.2 – 74.9)	100.0 (73.5 – 100.0)	64.3 (35.1 – 87.2)	91.7 (61.5 – 99.8)	53.8 (25.1 – 80.8)	100.0 (73.5 – 100.0)
miR-129	30.8 (9.1 – 61.4)	100.0 (73.5 – 100.0)	50.0 (23.0 – 77.0)	100.0 (73.5 – 100.0)	46.2 (19.2 – 74.9)	100.0 (73.5 – 100.0)
miR-935	23.1 (5.0 – 53.8)	100.0 (73.5 – 100.0)	57.1 (28.9 – 82.3)	91.7 (61.5 – 99.8)	30.8 (9.1 – 61.4)	100.0 (73.5 – 100.0)
PHACTR3	30.8 (9.1 – 61.4)	100.0 (73.5 – 100.0)	50.0 (23.0 – 77.0)	83.3 (51.6 – 97.9)	42.9 (17.7 – 71.1)	100.0 (73.5 – 100.0)
PRDM14	46.2 (19.2 – 74.9)	100.0 (73.5 – 100.0)	64.3 (35.1 – 87.2)	100.0 (73.5 – 100.0)	50.0 (23.0 – 77.0)	100.0 (73.5 – 100.0)
SST	46.2 (19.2 – 74.9)	100.0 (73.5 – 100.0)	42.9 (17.7 – 71.1)	100.0 (73.5 – 100.0)	69.2 (38.6 – 90.9)	83.3 (51.6 – 97.9)
ZIC1	53.8 (25.1 – 80.8)	100.0 (73.5 – 100.0)	50.0 (23.0 – 77.0)	100.0 (73.5 – 100.0)	53.8 (25.1 – 80.8)	100.0 (73.5 – 100.0)
Panel GHSR/MAL	53.8 (25.1 – 80.8)	100.0 (73.5 – 100.0)	78.6 (49.2 – 95.3)	91.7 (61.5 – 99.8)	66.7 (34.9 – 90.1)	100.0 (73.5 – 100.0)
Abbreviations: CI: Confidence interval.						

For full void we used cut-offs from our previous study [6]. For urine pellet and supernatant we determined new cut-offs. All cut-offs were calculated with Youden's J index [22].

Table S2. Cut-offs for the nine methylation markers.

Markers	FAM19A4	GHSR	MAL	miR-129	miR-935	PHACTR3	PRDM14	SST	ZIC1
Urine fraction									
Full void	0.7450	-1.7287	2.6559	2.2329	-2.8050	-7.1427	1.3946	-2.7370	-2.3310
Pellet	1.7934	-2.5449	-3.2495	0.8365	-10.7835	-10.2051	0.3139	-2.9880	-2.9718
Supernatant	1.8513	-2.0550	1.9837	-0.5341	-3.3143	-8.8637	2.1462	-4.8401	-3.1959

For full void, cut-offs from our previous study were used [6]. For urine pellet and supernatant, we determined new cut-offs. All cut-offs were calculated with Youden's J index [22].