**Supplemental Figures**



Supplementary Figure S1: *ECRG4* promoter methylation of 14 CpG sites determined by pyrosequencing of RT112 (blue line)and J82 (orange line) bladder cancer cells. The EpiTect® PCR Control DNA Set (Qiagen) was used as positive controls for unmethylated (red line) and completely methylated DNA (green line).



Supplementary Figure S2: (**A)** *ECRG4* promoter methylation determined by using pyrosequencing of spiked urines samples. Red dotted line: threshold value for positive detection; orange and blue arrow: stably exceeding the threshold (detection limit) **(B)** Correlation of ECRG4 DNA methylation for spiked urine samples of probe set A and B. (**C)** *ITIH5* promoter methylation determined by using pyrosequencing of spiked urines samples. Red dotted line: threshold value for positive detection; orange and blue arrow: stably exceeding the threshold (detection limit) **(D)** Correlation of ITIH5 DNA methylation for spiked urine samples of probe set A and B.