

Table S1 Summary of clinical samples used in this study

Patients No.	Smoker	Gender	Age	Clinical stage	FGFR3 mutation
P1	Yes	Male	80	0a	No
P2	Yes	Male	63	III	No
P3	No	Male	79	0a	Yes
P4	Yes	Male	88	0a	No
P5	No	Male	39	0a	No
P6	No	Male	72	0a	No
P7	No	Male	69	III	Yes
P8	Yes	Male	49	III	Yes
P9	Yes	Male	67	0a	No
P10	No	Male	65	0a	No
P11	Yes	Male	79	III	No
P12	Yes	Male	72	0a	Yes
P13	Yes	Male	60	I	No
P14	Yes	Male	57	III	No
P15	No	Male	75	0a	No
P16	Yes	Male	80	IV	Yes
P17	No	Female	82	0a	No
P18	Yes	Male	71	II	No
P19	No	Male	72	II	No
P20	Yes	Male	39	0a	No
P21	No	Female	72	III	No
P22	Yes	Male	81	III	Yes
P23	No	Male	63	III	No
P24	No	Female	75	IV	No
P25	No	Male	80	0a	Yes
P26	Yes	Male	59	0a	No
P27	No	Male	59	II	No
P28	Yes	Male	61	II	No
P29	Yes	Male	75	0a	No
P30	No	Female	59	0a	No
P31	No	Male	69	0a	No
P32	No	Male	81	II	No
P33	Yes	Male	66	I	Yes
P34	No	Male	53	IV	No
P35	No	Male	85	0a	No
P36	Yes	Male	54	II	Yes
P37	Yes	Male	71	III	No
P38	No	Female	62	III	Yes
P39	No	Male	76	0a	No
P40	No	Male	76	0a	Yes
P41	Yes	Male	60	0a	No
P42	No	Male	84	III	No
P43	No	Male	63	0a	No
P44	No	Male	52	0a	No
P45	Yes	Male	56	0a	No
P46	No	Male	63	0a	Yes
P47	Yes	Male	77	0a	Yes
P48	No	Male	78	III	No
P49	No	Male	62	III	Yes
P50	Yes	Male	61	II	No
P51	No	Male	74	0a	No
P52	No	Female	75	II	Yes
P53	No	Male	54	III	Yes
P54	No	Male	66	0a	Yes
P55	No	Female	78	0a	Yes
P56	No	Female	69	0a	Yes
P57	No	Male	61	III	No
P58	Yes	Male	56	0a	Yes
P59	No	Female	70	II	No
P60	No	Male	58	IV	No
P61	Yes	Male	73	III	Yes
P62	Yes	Male	64	0a	No
P63	Yes	Male	66	0a	Yes
P64	No	Female	72	II	No
P65	Yes	Male	56	II	No
P66	No	Male	36	0a	Yes
P67	Yes	Male	70	II	Yes
P68	No	Female	61	I	No
P69	No	Male	68	0a	No
P70	No	Male	71	IV	No
P71	No	Male	84	0a	No
P72	Yes	Male	67	0a	No
P73	Yes	Male	53	III	No
P74	No	Male	81	III	No
P75	Yes	Male	66	0a	No
P76	No	Female	52	0a	Yes
P77	No	Male	73	0a	Yes
P78	No	Male	79	III	No
P79	No	Male	67	I	No
P80	Yes	Male	72	0a	Yes
P81	No	Male	72	III	No
P82	No	Female	81	0a	No

Table S2 Multivariate analysis of RFS in patients with bladder cancer

	P value	OR (95.0% CI)
Aage	0.016	1.057 (1.01-1.106)
Smoker	0.063	2.4 (0.954 -6.039)
Gender	0.885	1.084 (0.362-3.244)
FGFR3mut	0.89	(0-0)
Treatment	0.068	0.411 (0.158-1.069)
Stage 0a	0.491	/ /
Stage I	0.091	0.353 (0.106-1.179)
Stage II	0.536	0.496 (0.054-4.566)
Stage III	0.701	0.735 (0.152-3.543)
Stage IV	0.398	0.588 (0.171-2.017)

Treatment, Radical cystectomy/Post-transurethral resection intravesical instillation; FGFR3mut, FGFR3 mutation/wild type; OR, odds ratio.