

Supplementary Table 1. Patient characteristics of bladder specimens	
BLCA Tissue samples	
	BLCA Patients Characteristics
Stage	Ta (n= 5; 20%)
	T1 (n=5; 20%)
	T2 (n=5; 20 %)
	T3 (n=5; 20 %)
	T4 (n=5; 20 %)
Gender	n= 23(92%; Male)
	n=02(8%; Female)
Vital status	n=18 (72%; Live)
	n=06(24%; Dead)
	n=01 (4%; Missing)
Lymph node metastasis	N0 (n=19; 76%)
	N1 (n=3; 12%)
	NX (n=1; 4%)
	N3 (n=1; 4%)
	Missing (n=1; 4%)
Smoking status	n=5 (20%; Never smoker)
	n=17 (68%; Ex-smoker)
	n=2 (8%; Current smoker)
	n=1 (4%; Missing)
Cohorts	UTSW (n= 25; 100%)
Benign Tissue samples	
Benign Tissues	n=5