

Table-S1. Validation of *HSD17B2* transcript alteration in an independent transcriptome dataset of urothelial carcinoma of urinary bladder (GSE32894)

Probe	Comparing T1 to Ta		Comparing T2~4 to T1		Comparing T2~4 to Ta		Gene Symbol
	Log2 ratio	<i>P</i> -value	Log2 ratio	<i>P</i> -value	Log2 ratio	<i>P</i> -value	
ILMN_1808713	-1.2125	<0.0001	-0.6213	0.0002	-1.8338	<0.0001	<i>HSD17B2</i>

Figure-S1

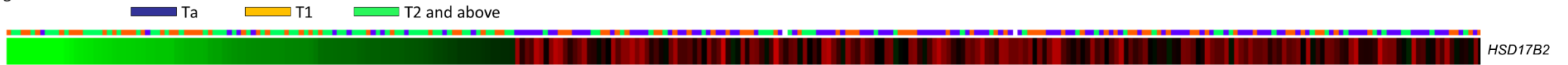


Figure-S1. An analysis of transcript expression in urothelial carcinoma of urinary bladder was performed using a published transcriptomic dataset (GSE32894) to crossly validate the downregulation of 17β -hydroxysteroid dehydrogenase type 2 (*HSD17B2*) in urothelial progresison. The tissue specimens obtained from tumors with different pT statuses are shown on top of the heat map, and the upregulation or downregulation of the genes is illustrated as a spectrum of brightness of red and green, respectively.