

## SUPPLEMENTARY TABLE

**Supplementary Table 1. The information of published datasets used in the study.**

<b>Dataset</b>	<b>Cancer type</b>	<b>Number of samples</b>	<b>Platform</b>
TCGA-CESC	CESC	292	RNA-seq
GSE44001	CESC	300	RNA-seq
GSE194040	BRCA	69	RNA-seq
PRJEB23709	Melanoma	73	RNA-seq
GSE171894	CESC	4	scRNA-seq
GSE168652	CESC	1	scRNA-seq