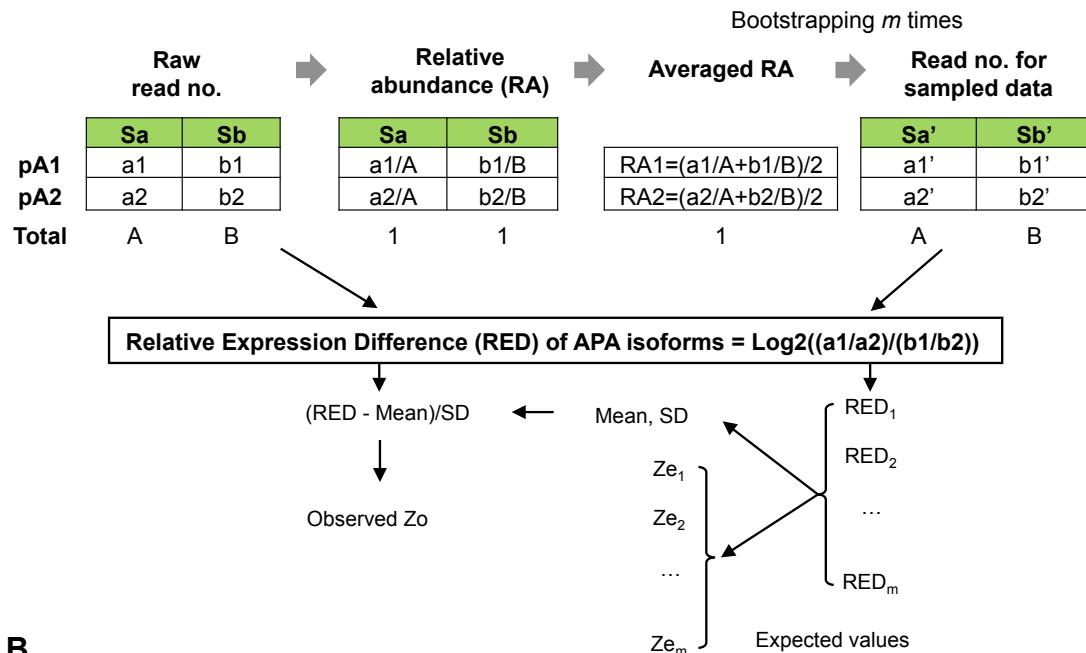


# Figure S2

**A**

## Significance Analysis of Alternative Polyadenylation (SAAP)



**B**

	Observed value $Zo$ ( $n$ pairs)	Expected value $Ze$ ( $n \times m$ )	
Isoform pair 1	$Zo_1$	$Ze_{1,1} \quad Ze_{1,2} \quad \dots \quad Ze_{1,m}$	
Isoform pair 2	$Zo_2$	$Ze_{2,1} \quad Ze_{2,2} \quad \dots \quad Ze_{2,m}$	
...	...	...	
Isoform pair $n$	$Zo_n$	$Ze_{n,1} \quad Ze_{n,2} \quad \dots \quad Ze_{n,m}$	$\Rightarrow$ $FDR = (\#\{ Ze  > Zc\} / m) / \#\{ Zo  > Zc\}$ Q-value for isoform pair $x$ = FDR when $Zc =  Zo_x $

**C**

## Global Analysis of Alternative Polyadenylation (GAAP)

