

## Input/Output

## Method

observed  
counts

#

#

#

#

#

#

posterior  
probability for  
expression



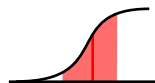
Multinomial model over  
 $\text{Pr}(\text{exact call})$ ,  
 $\text{Pr}(\text{corrected call})$ ,  
 $\text{Pr}(\text{exact miscall})$ ,  
 $\text{Pr}(\text{corrected miscall})$ ,  
 $\text{Pr}(\text{dropout})$

posterior probability  
for mean and variance  
in groups of cells



Dynamic programming  
over sampled CDFs

posterior probability  
for fold change or  
coefficient of variation



Dynamic programming  
over sampled CDFs