

(a)

Data

(c)

Distribution assumptions

H3K27ac

GABP

Rep1

Rep2

Rep1

Rep2

Datasets

■:f0

■:f1

■:f2

(d)

Read counts

Class labels

Class abundance

 a_i a_i a_i

SNP

 =non-reference allele =reference allele

■ = reference allele

SNP

(b)

ASB Patterns

V **V**

 π

Datasets

Datasets

1 2 3 4

1 2 3 4

class

class

Grayscale
Probability

 π
$$\begin{pmatrix} 0.6 \\ 0.2 \\ 0.2 \end{pmatrix}$$
 a_i a_i a_i

SNP

 = non-reference allele = reference allele

=reference allele