

# Sequence alignment

...ACGTCCAATAGCA...  
 ...ACGACGAATAACA...  
 ...ACGTCCAATAACA...  
 ...ACGTCCAATAGCA...  
 ...ACGACCAATAACA...  
 ...ACGTCCAATAGCA...  
 ...ACGTCCAATAGCA...  
 ...ACGTCCAATAGCA...  
 ...ACGTCCAATAGCA...



## Minor allele counts

...0002010000300...

$$\overline{d=2}$$

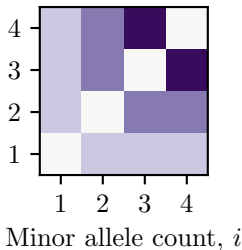
$$\overline{d=7}$$

$$\overline{d=5}$$



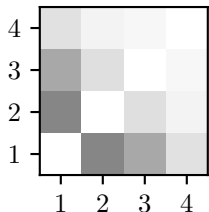
Minor allele count,  $j$

fPMI( $i, j; d$ )



Minor allele count,  $j$

2-SFS,  $\eta_{ij}(d)$



Minor allele count,  $i$