

CREATE A REFERENCE GENOME  
IN COLOR SPACE

CREATE A REFERENCE GENOME  
IN NUCLEOTIDE SPACE

CREATE INDEXES OF THE  
REFERENCE GENOME  
IN COLOR SPACE

USE THE INDEXES IN COLOR SPACE  
AND REFERENCE GENOME IN COLOR  
SPACE TO FIND CANDIDATE  
ALIGNMENT LOCATIONS (CALs)

ALIGN EACH CAL USING A LOCAL  
ALIGNMENT ALGORITHM IN COLOR  
SPACE USING THE REFERENCE  
GENOME IN NUCLEOTIDE SPACE

PRIORITIZE ALIGNMENTS

