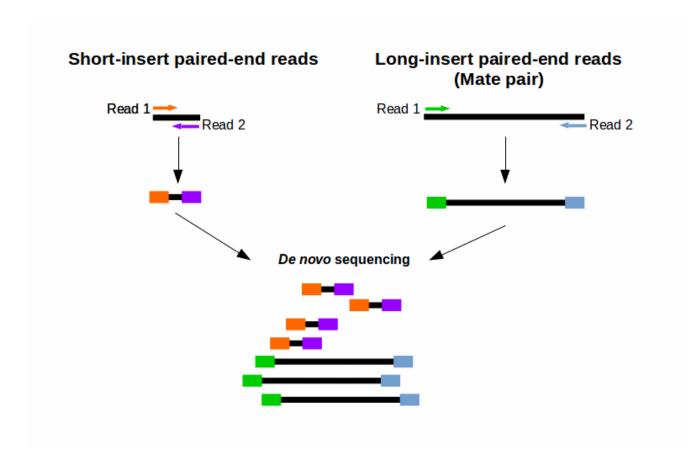


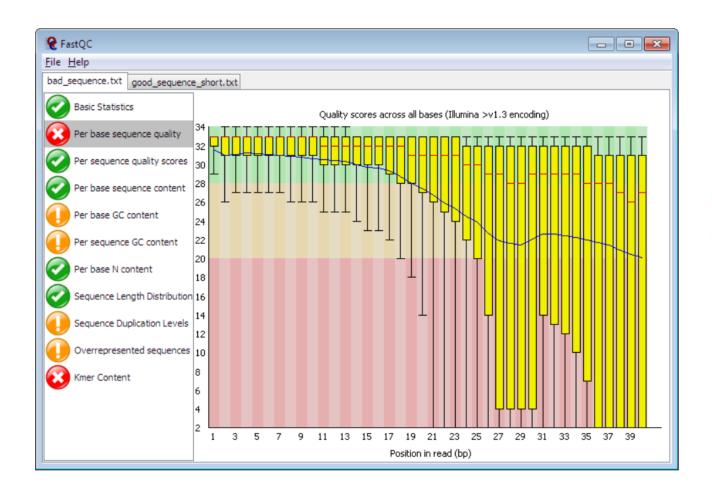
Ensamblaje de genomas

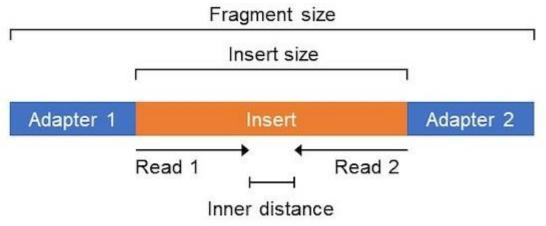
Curso de Genómica de procariontes Bradd Mendoza

Reads

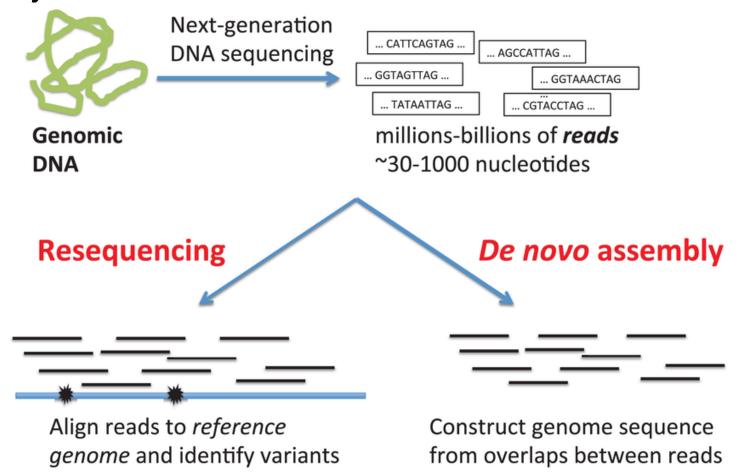


Control de calidad de los reads



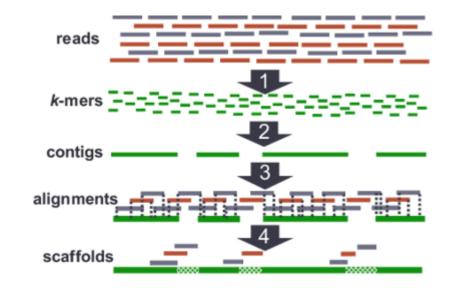


Ensamblaje

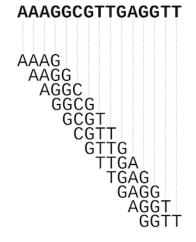


DOI:10.1371/journal.pcbi.1002821

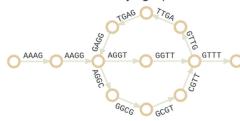
De novo assembly



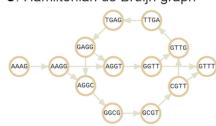
A. Short read to k-mers (k=4)



B. Eulerian de Bruijn graph

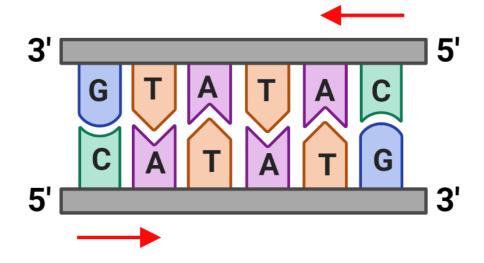


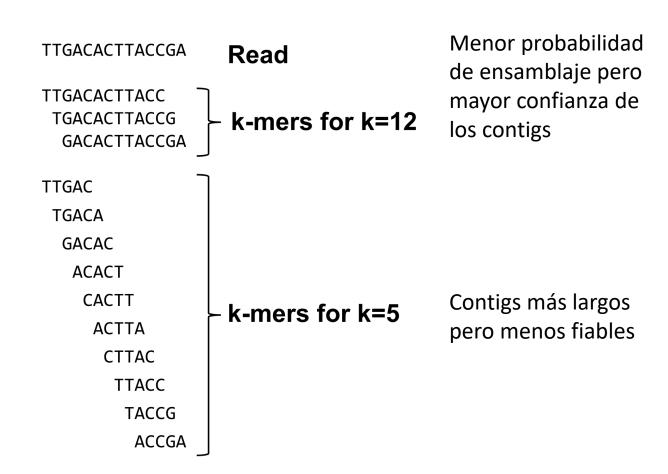
C. Hamiltonian de Bruijn graph

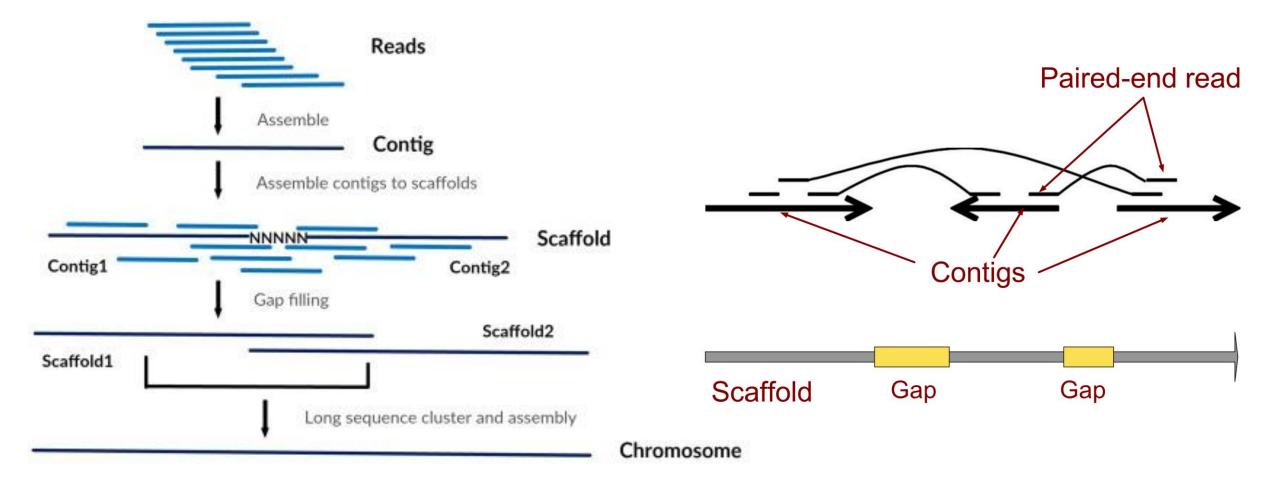


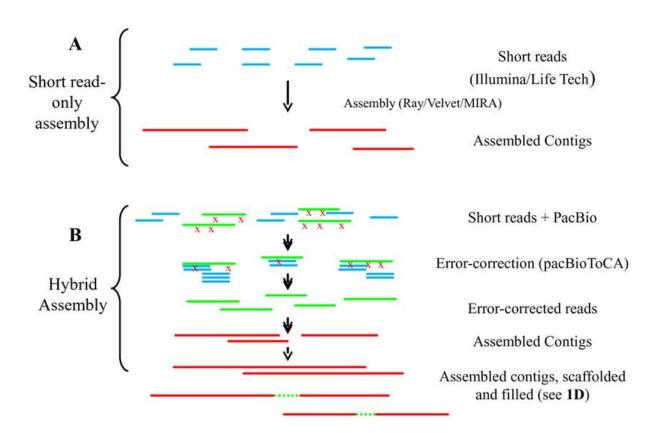
Entendiendo los k-mers

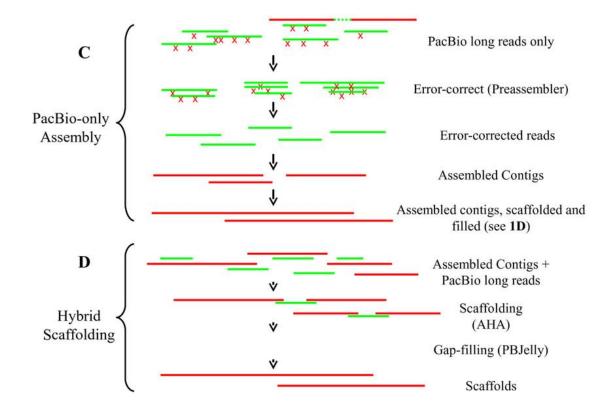
- K-mers siempre impares?
 - Secuencias palindrómicas



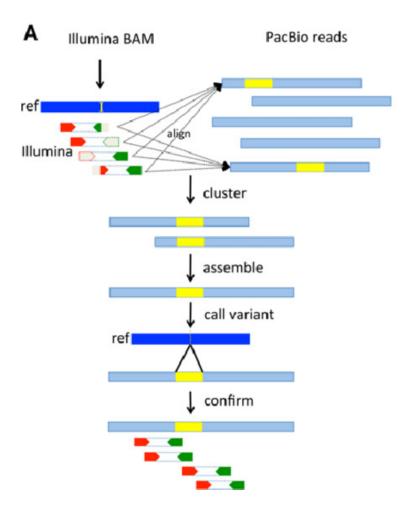




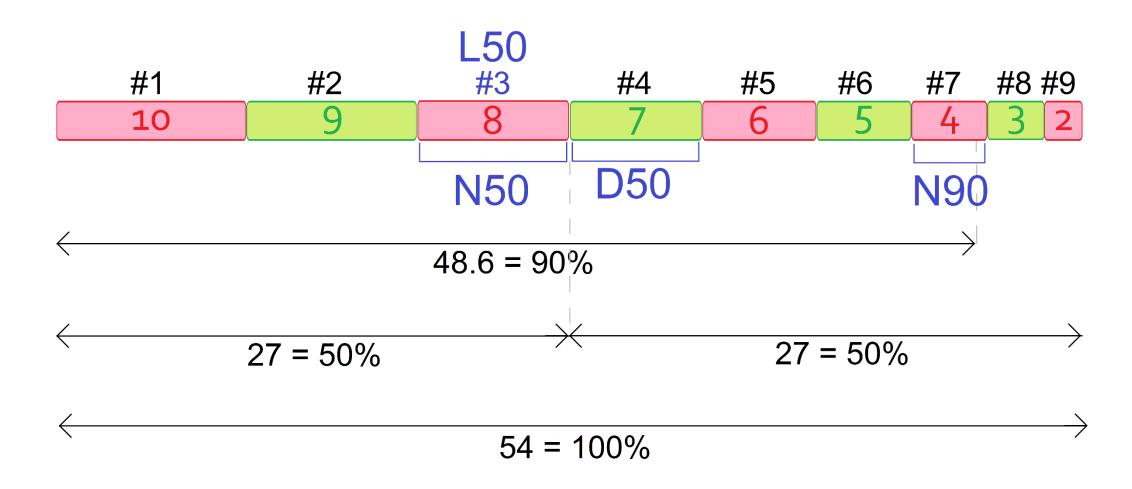




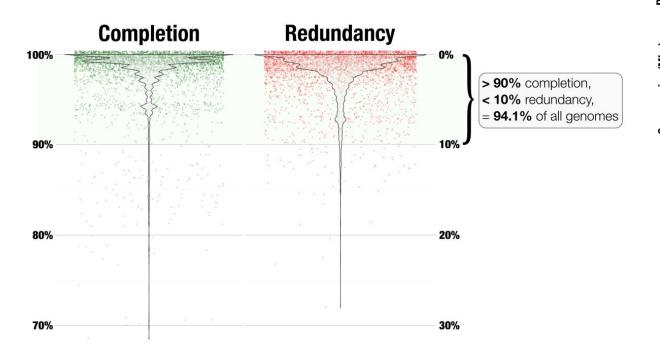
Ensamblaje híbrido

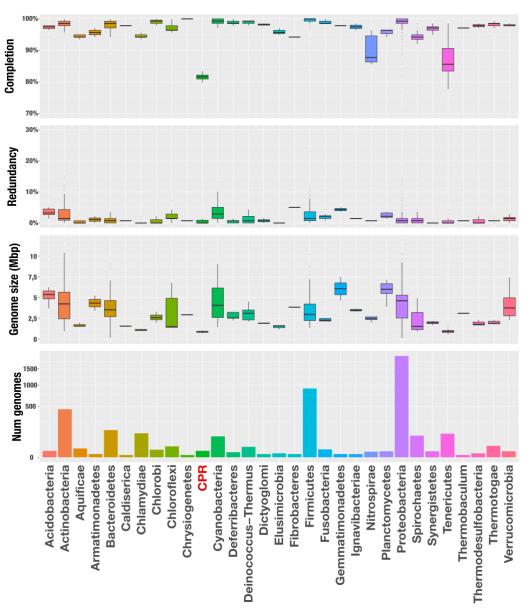


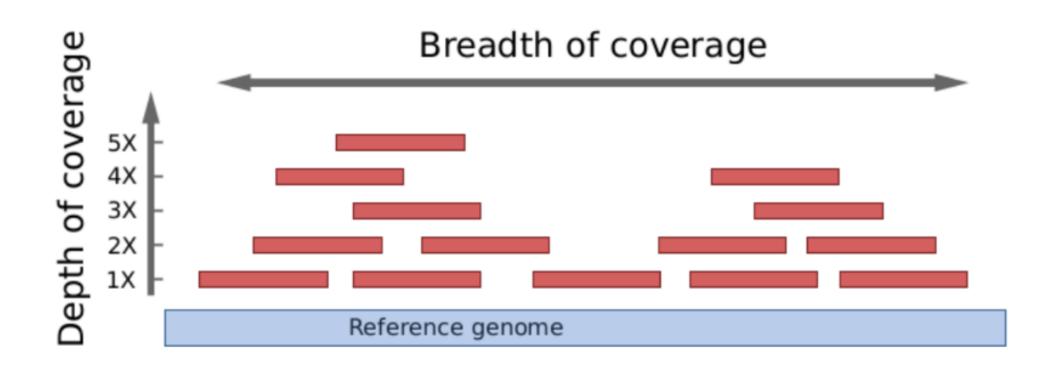
Evaluación de calidad



Número de Single Copy Core Genes







Control de calidad y ensamblaje de genomas

