

A GENOME FIT FOR A GIANT

SEQUENCING THE CALIFORNIA REDWOOD

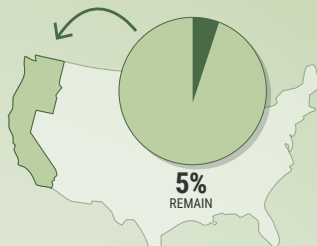


Sequoia sempervirens is one of the world's fastest-growing conifers that live for thousands of years. Once ubiquitous throughout the Northern Hemisphere, now only 5% of the original old-growth coastal redwood forest remains.

To **conserve** this species,
we need to understand its
genome

THE
REDWOOD
GENOME IS

BIG
+
COMPLEX

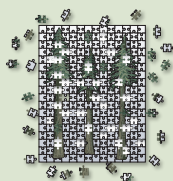


27 GB
HEXAPLOID

TECHNOLOGY MATTERS

PacBio HiFi
sequencing
gets complex
genomes right

SHORT READS



LONG READS



HiFi READS

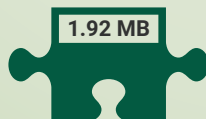


With HiFi reads, you no longer have to choose between high accuracy and long read lengths to see the complete picture

EFFICIENCY MATTERS

HiFi sequencing
produces high-quality
results quickly
and affordably

CONTIG 50



COVERAGE



PROJECT TIME



WITH HiFi READS, YOU CAN BE
CONFIDENT
IN YOUR SEQUENCING RESULTS

