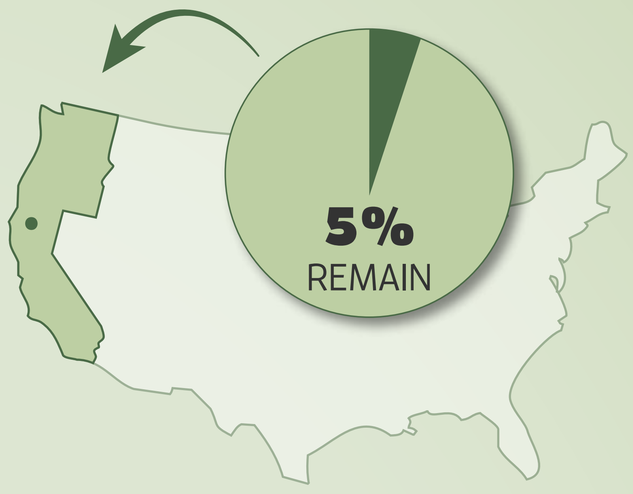
A Genome Fit for a Giant

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**

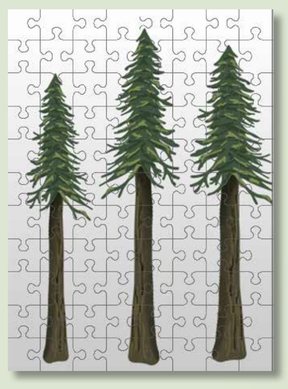


THE REDWOOD GENOME IS **BIG** & COMPLEX

27 GB
HEXAPLOID

Technology Matters

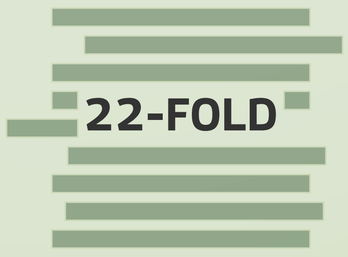
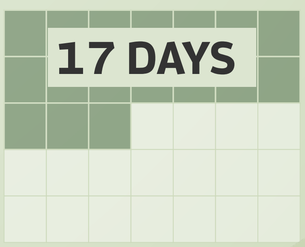
PacBio HiFi sequencing gets complex genomes right

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 N50	COVERAGE	PROJECT TIME
		
1.92 MB	22-FOLD	17 DAYS

WITH HIFI READS YOU CAN BE

CONFIDENT

IN YOUR SEQUENCING RESULTS

PACBIO®

So what are you waiting for?

Let us help you with your next genome project

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For Research Use Only. Not for use in diagnostic procedures.

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