

Discover the Power of 3D Genomics

Leverage Arima's industry-leading Hi-C technology to improve genome drafts, assign and orient contigs, build chromosome-scale assemblies, and accelerate your research.

Why Choose Arima Genomics for Genome Assembly?

Scaffolding + Error Correction of Assemblies

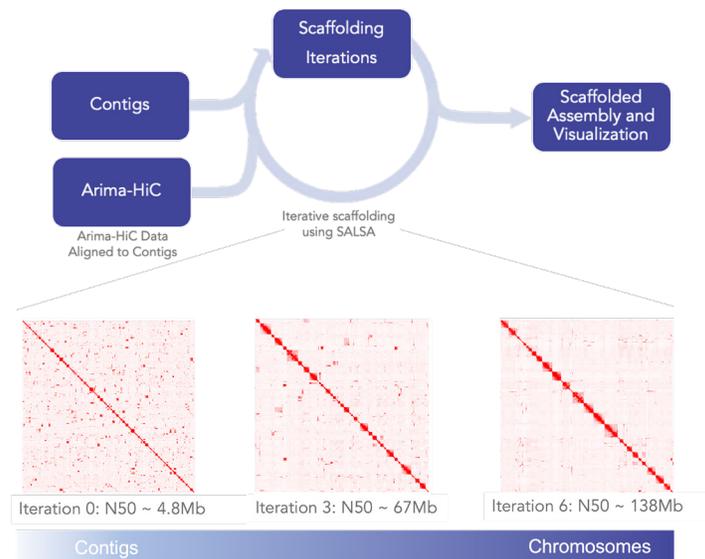
Arima Hi-C technology is an essential tool for correcting assembly errors and scaffolding of contigs to provide chromosome-spanning contiguity to any assembly.

Fully Phased Genome Assemblies

Gain a more comprehensive picture of the genome and its complex genetic variations by understanding the long-range linkages to enhance your agriculture, evolution, or conservation efforts.

A Trusted Partner to Global Consortia

Arima Genomics is a proud partner of the Wellcome Sanger Institute on the Darwin Tree of Life Project and the Vertebrate Genome Project to aid in producing reference-quality assemblies for a multitude of species.



"The newer Arima kits are being used because we found them to be robust across a range of tissue types from diverse vertebrate and invertebrate species. Kit robustness to a diversity of samples is an essential requirement for the Darwin Tree of Life Project."

– Michael Quail, Principal Scientific Manager of DNA Pipelines, Wellcome Sanger Institute

Outstanding Service + Support

Have a project you want to get started or have questions you need answered? Let our scientists share their expertise in sample prep, library construction, and bioinformatics. We'll partner with you to go from project idea through interpretation quickly and easily.



Arima High Coverage HiC Kit

Expect more from your next generation sequencing data

Arima Advantages

Quality: Use our trusted protocols to get data you can rely on with built-in QC steps to ensure you achieve optimal sequencing results every time

Efficiency: Generate multiple data types, including long-range sequence and structural information, from a single assay

Ease-of-Use: No need for high molecular weight (HMW) DNA extraction, so you can use any plant or animal sample with low DNA input options



8

Reaction kit to get you started

48

Reaction kit for high-volume projects

High Coverage HiC Workflow



Arima HiC Prep

Rapid 6-h protocol compatible with cell lines, primary cells, fresh/frozen tissue



Library Prep

Pre-validated library prep protocols for standard or low DNA input



Sequencing

Illumina NGS
50-75M reads per 1Gb of genome



Data Analysis

Built using powerful, open-source tools including SALSA

"The Arima HiC kit has worked well in our testing and provided excellent quality genome scaffolds at extremely low sequencing depths. The Arima support team has been very knowledgeable and extremely quick to respond."

– Phil Ewels, Head of the Genomics Applications Development, SciLifeLab

Learn More

arimagenomics.com/genome-assembly

Connect with an Arima Scientist to Discuss Your Next Project



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