

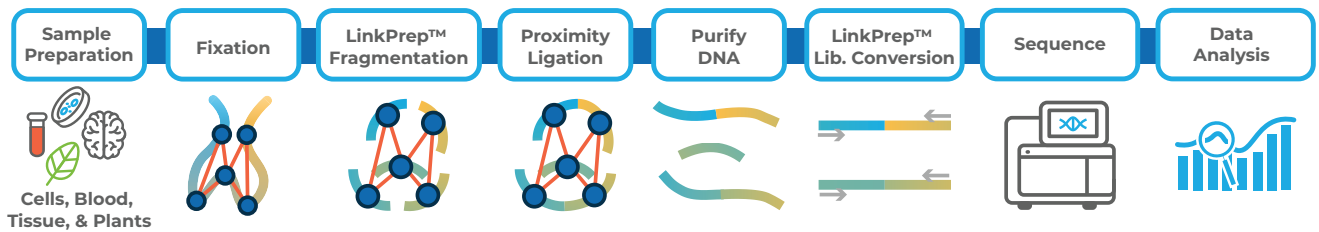
Accelerate Your Genome Assembly with the Dovetail® LinkPrep™ Kit



FAST • FLEXIBLE • ACCURATE

Fast - Generate Next-Gen Hi-C Libraries in Record Time

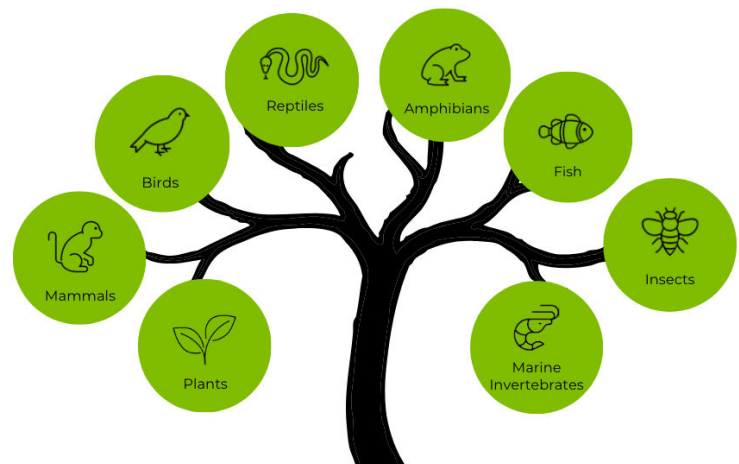
The Dovetail® LinkPrep™ Kit, powered by an innovative chemistry, produces linked-read NGS libraries in a single day – less than half the time of Hi-C methods. This all-in-one kit takes you seamlessly from sample to sequencing-ready libraries, streamlining your genome assembly. Designed for simplicity, the user-friendly workflow makes data generation broadly accessible and easy to automate.



1
Day

Flexible - Access the Tree of Life with Minimal Sample Input

The Dovetail LinkPrep Kit is compatible with a wide range of sample types, including mammalian cells, mammalian blood, animal tissues, and plant leaves. With its reduced input requirements, the kit provides researchers greater flexibility, enabling efficient workflows even with minimal or limited sample material.





Achieve Contiguous and Accurate Assemblies

The Dovetail LinkPrep Kit transforms workflow efficiency while maintaining exceptional data quality, producing highly contiguous and accurate assemblies. Unlike Hi-C methods, which are limited by biases towards regions with restriction enzyme site motifs, the LinkPrep Kit provides uniform sequence coverage across the entire genome. This comprehensive coverage empowers researchers to detect genetic variations genome-wide, retain phase information, and construct dual haplotype representations as well as polyploid genome assemblies with ease.

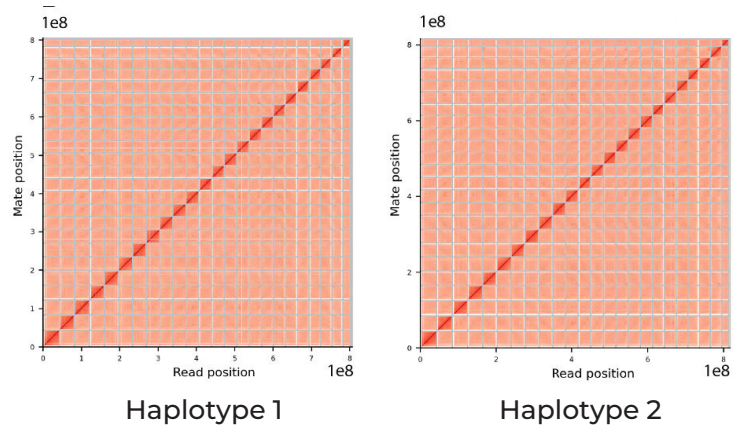
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Assembly	Busco Completeness	Consensus Quality Value
Haplotype 1	99.22%	47.07
Haplotype 2	98.82%	47.28

Figures. Assembly results for a fish genome using Dovetail LinkPrep data and Dovetail HiRise Software. A. High completeness and quality for each haplotype. **B.** Link density histograms of scaffolded haplotype-resolved assemblies demonstrating high contiguity with expected chromosome number.

B

Link Density Histogram



What Our Customers Say

“ We're thrilled to onboard the Dovetail LinkPrep Kit. The reduced input requirements from fresh frozen animal tissues means we can now tackle even the smallest specimens.

Adrienne Doran, Scientific Officer, Minderoo OceanOmics Centre at University of Western Australia

Order Now

Part no.	Kit Description	Size
21025G	LinkPrep for Genome Assembly	8 Rxns
21026G	LinkPrep for Genome Assembly	24 Rxns



- Quality Control
- Actionable Data
- Integratable Outputs

