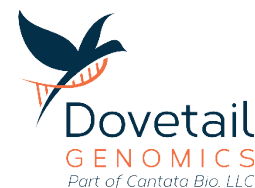# Unlock 3D Genomics With The Dovetail® LinkPrep™ Assay

Revolutionize your understanding of gene regulation and biological processes through the power of 3-dimensional DNA organization.

Dovetail
GENOMICS
Part of Cantata Bio. LLC

How LinkPrep Works

Capture genomic structure in NGS data

Through a few simple steps, generate a NGS library that can be processed through standard genomic analysis tools, with no specialized training or equipment required.
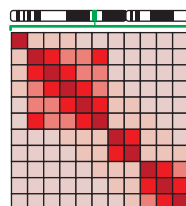
Sample → **Process** → **Sequence**

Cells, Tissue, Blood — Fragment and Ligate — Data Generation
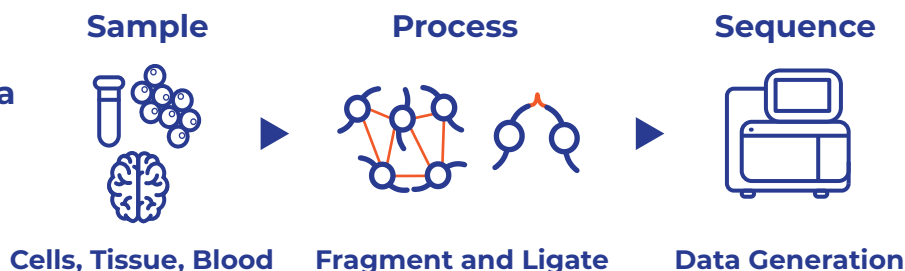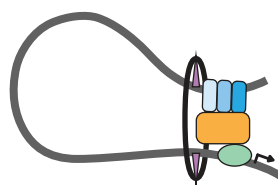
What LinkPrep Provides

Identify expression mechanisms

Generate quantitative links between drivers of expression, such as transcription factors or single nucleotide variants (SNVs), to cognate gene promoters through chromatin structure.
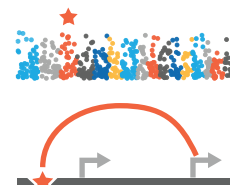
Chromatin Structure   **Transcription Factor Dynamics**   **SNV/VUS Annotation**

Who LinkPrep is For

From disease drivers to therapy

Apply 3D genomics powered insights to better understand, monitor, and treat diseases. Identify and describe novel drivers across a broad range of phenotypes including: cancer, neurological disorders, autoimmune diseases, and more.

Genome Function
Gene Regulation
Enhancer-Promoter Interactions
Chromatin State

Mechanisms of Human Health and Disease
Oncology
Neurobiology
Developmental Disease

Therapeutic Advancement
Biomarker Development
Accelerated Target ID
Cohort Stratification

Why Choose LinkPrep

Unparalleled access to the 3D genome

The LinkPrep assay provides value across the 3D genomics workflow, delivering best-in-class data and meaningful biological insights. The TopoLink chemistry prioritizes data quality to ensure accuracy and reproducibility while offering significant reduction in overall experiment cost.

Unbaised Data
Capture more information across more of the genome

Improved Accuracy
Ensures the most accurate position of feature calls

Reduced Cost
Significant savings across entire experiment design

Time Saving
Spend more time on the biology, not at the bench

Cantata Bio

Catalog #: 21010