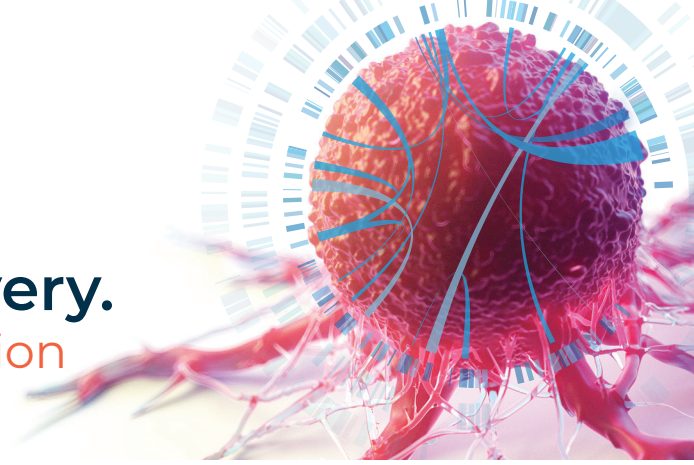
Dovetail
GENOMICS
Part of Cantata Bio, LLC



Unlock FFPE. Boost Discovery.

Advanced structural variant detection in cancer research.

The FFPE Problem

FFPE samples are the most abundant resource in cancer research, yet nucleic acid degradation makes them challenging for most sequencing assays—especially when detecting structural variants.

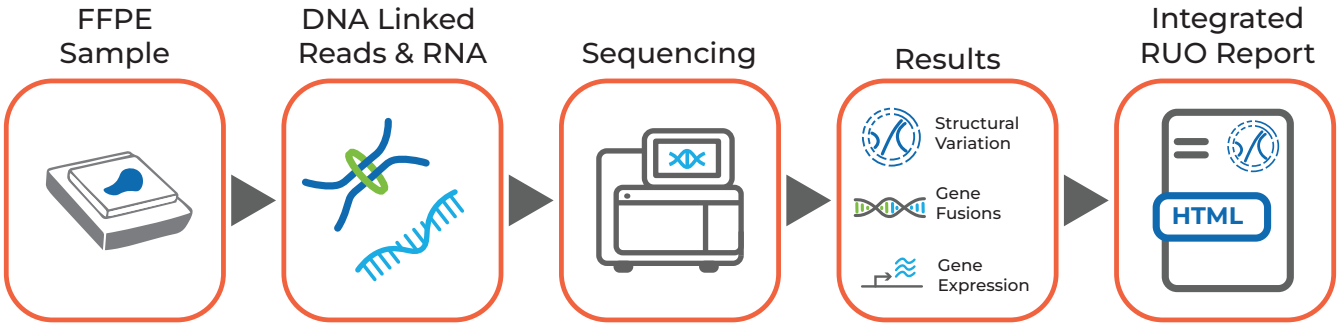
The Dovetail® Solution

Our linked-read approach overcomes FFPE limitations, enabling:

- Robust performance across a range of DIN scores and tumor types
- Reproducible variant calling with high read support
- Integrated RNA data for orthogonal gene fusion validation and expression profiling
- Insightful results without high molecular weight DNA or specialized instrumentation

How It Works

The Dovetail® FFPE Service delivers ultra-sensitive structural variant detection, gene fusion discovery, and gene expression profiling—all from a single FFPE sample.



Unlock Hidden Drivers in FFPE Samples

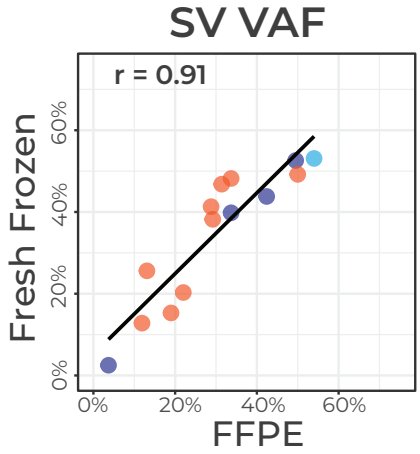
Leverage our optimized service to uncover critical genomic alterations with unmatched confidence.

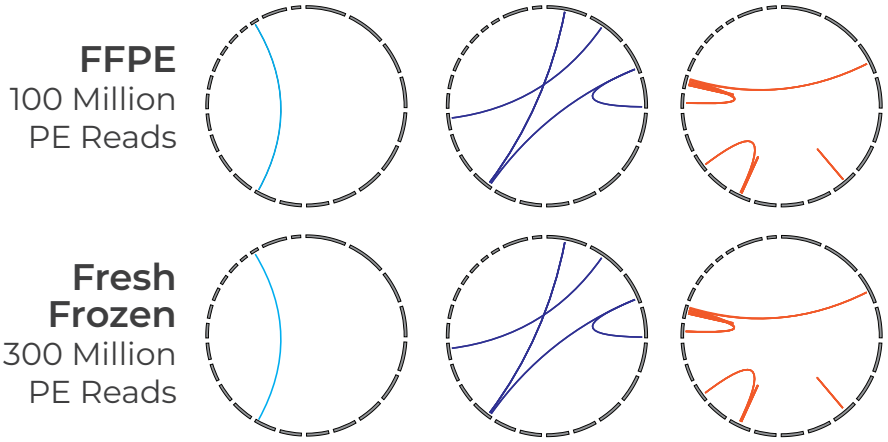
- **Confidently Detect Structural Variants.** Identify structural variants with high sensitivity and specificity—even at low variant allele frequencies (VAFs).
- **Fusion Validation with Expression Context.** Confirm gene fusions and assess their transcriptional impact.
- **Reliable FFPE Performance.** Achieve results with high concordance to fresh frozen samples, validated across diverse tissue types.

Performance that Holds Up—Even in FFPE

Our SV calls demonstrate strong agreement between FFPE and fresh frozen samples, and robust performance across DIN ranges, tumor fraction and tumor types.

	Sinonasal Osteosarcoma	Serous Ovarian Adenocarcinoma	IDC Breast Cancer
DIN	6.0	5.6	2.0
Tumor Fraction	98%	73%	24%
Inter-chromosomal recall	100%	100%	100%
Intra-chromosomal recall	NA	100%	70%





Sample-to-Insight Solution

Our Service	Your Results
You provide: • 11 x 5 µm scrolls (>20% tumor fraction)	1. Raw data (FASTQ) 2. Aligned reads (BAM) 3. Structural Variant Calls (BEDPE) 4. SV Cancer Relevance Summary (TSV) 5. Gene Expression Profile and Gene Fusion Calls (TSV) 6. Integrated HTML Report
We provide: • Library prep and sequencing • Analysis using state-of-the art proprietary pipelines • Integrated variant report with SVs and gene expression profiles	*Expert support included—a dedicated project manager oversees your project and ensures smooth delivery.*
Turnaround time: 10 weeks.	

Unlock FFPE with Dovetail® Genomics.

Contact us today to learn more.