

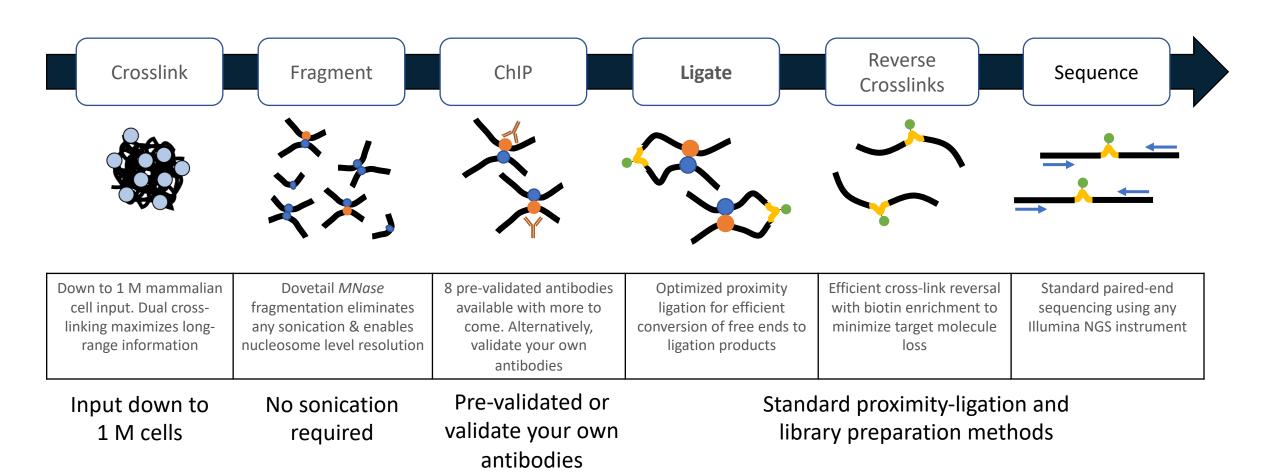


Investigate protein-directed chromatin architecture with Dovetail™ HiChIP MNase Kit

Cory Padilla, Ph.D. Scientific Affairs, Dovetail Genomics

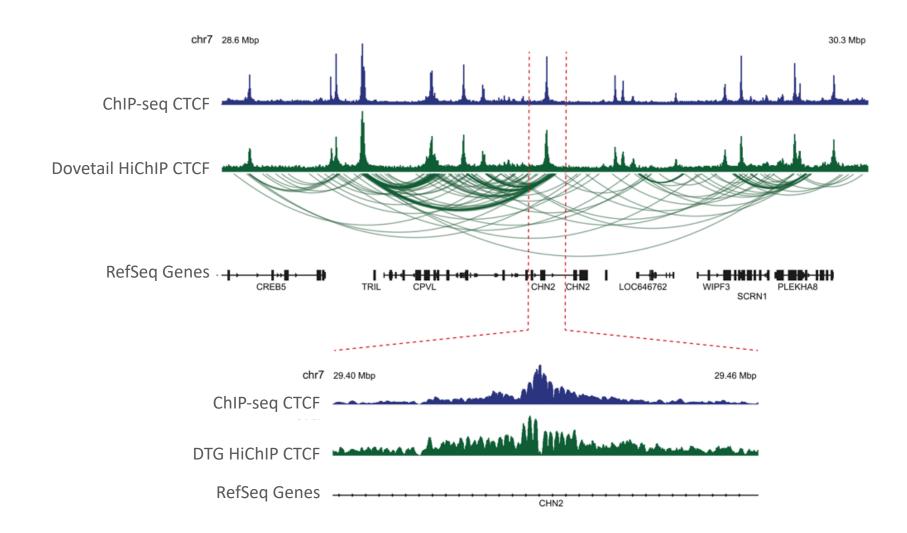
Dovetail[™] HiChIP Workflow Combines Hi-C and ChIP-seq





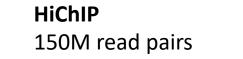
Capture ChIP-seq Data & Hi-C Long-range Information In A Single Library

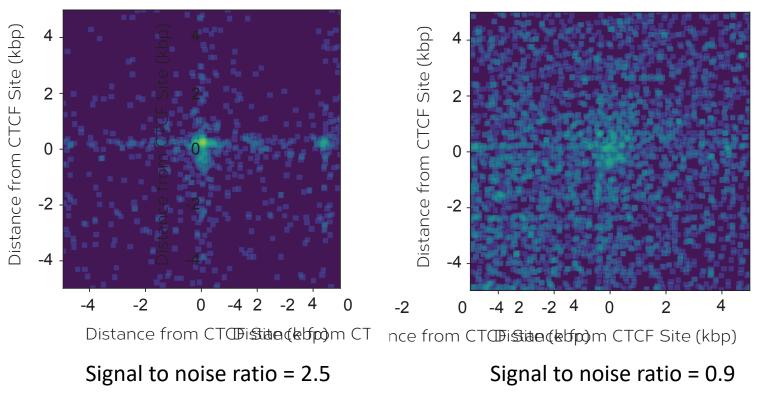




Increased signal to noise ratio while decreasing sequencing cost







Multi-RE Hi-C

800M read pairs

Signal to noise ration is calculated by: the mean coverage of the top 25 percentile over target sites divided by the coverage (top 25 percentile) over non-target sites normalized to IgG

Dovetail GENOMICS An EdenRec Sciences Company

Easy Adoption With Pre-Validated Antibodies

| Validated Antibodies | Future Antibodies |
|----------------------|-------------------|
| CTCF | Sox2 |
| H3K27ac | Nanog |
| H3K4me3 | Oct4 |
| H3K27me3 | KLF4 |
| H3K36me3 | PRC |
| H3K4ac | Suz12 |
| PolII | Smc1 |
| Smc3 | |

Or validate your own antibodies following the validation steps provided in the Dovetail[™] HiChIP *MNase* Kit