Materials & Methods For Dovetail™ Hi-C Kits

Ready to publish data generated using the Dovetail Hi-C Kit? Dovetail scientists have drafted the suggested text below for use in referencing the use of the Dovetail Hi-C Kit in your Materials & Methods. Simply 'cut and paste' and edit the highlighted [text].

Hi-C library preparation and sequencing:

The Hi-C library was prepared using Dovetail™ Hi-C Kit according to the manufacturer's protocol. Briefly, chromatin was fixed in place with formaldehyde in the nucleus and then extracted. Fixed chromatin was digested with *DpnII*, the 5' overhangs filled in with biotinylated nucleotides, and then free blunt ends were ligated. After ligation, crosslinks were reversed, and the DNA purified from proteins. Purified DNA was treated to remove biotin that was not internal to ligated fragments. The DNA was then sheared to ~350 bp mean fragment size and a sequencing library was generated using Illumina-compatible adapters. Biotin-containing fragments were isolated using streptavidin beads before PCR enrichment of the library. The library was sequenced on an Illumina [X] platform to generate [X] million 2 x [xxx] bp read pairs.