

Materials & Methods For Dovetail™ Omni-C™ Kit

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

Omni-C library preparation and sequencing:

The Omni-C library was prepared using Dovetail™ Omni-C™ Kit according to the manufacturer's protocol. Briefly, chromatin was fixed in place in the nucleus. Fixed chromatin was digested with DNase I then extracted. Chromatin ends were repaired and ligated to a biotinylated bridge adapter followed by proximity ligation of adapter containing ends. After proximity ligation, crosslinks were reversed and the DNA purified from proteins. Purified DNA was treated to remove biotin that was not internal to ligated fragments. 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 [] platform to generate [X] million 2 x [XXX] bp read pairs.