Materials & Methods For Dovetail® HiChIP *MNase* Kits

Ready to publish data generated using the Dovetail® HiChIP *MNase* Kit? Dovetail® scientists have drafted the suggested text below for referencing the use of the Dovetail® HiChIP *MNase* Kit in your Materials & Methods. Simply 'copy and paste' and edit the highlighted [text].

The HiChIP *MNase* library was prepared using the Dovetail® HiChIP *MNase* Kit according to the manufacturer's protocol. Briefly, the chromatin was fixed with disuccinimidyl glutarate (DSG) and formaldehyde in the nucleus. The cross-linked chromatin was digested *in situ* with micrococcal nuclease (*MNase*) then extracted upon cell lysis. The chromatin fragments were incubated with the respective antibody overnight for chromatin immunoprecipitation. The antibody-protein-DNA complex was pulled down with protein A/G-coated beads. Next, the chromatin ends were repaired and ligated to a biotinylated bridge adapter followed by proximity ligation of adapter-containing ends. After proximity ligation, the crosslinks were reversed, the associated proteins were degraded, and the DNA was purified then converted into a sequencing library using Illumina-compatible adaptors. Biotin-containing fragments were isolated using streptavidin beads prior to PCR amplification. The library was sequenced on an Illumina [ ] platform to generate [X] million 2 x [XXX] bp read pairs.