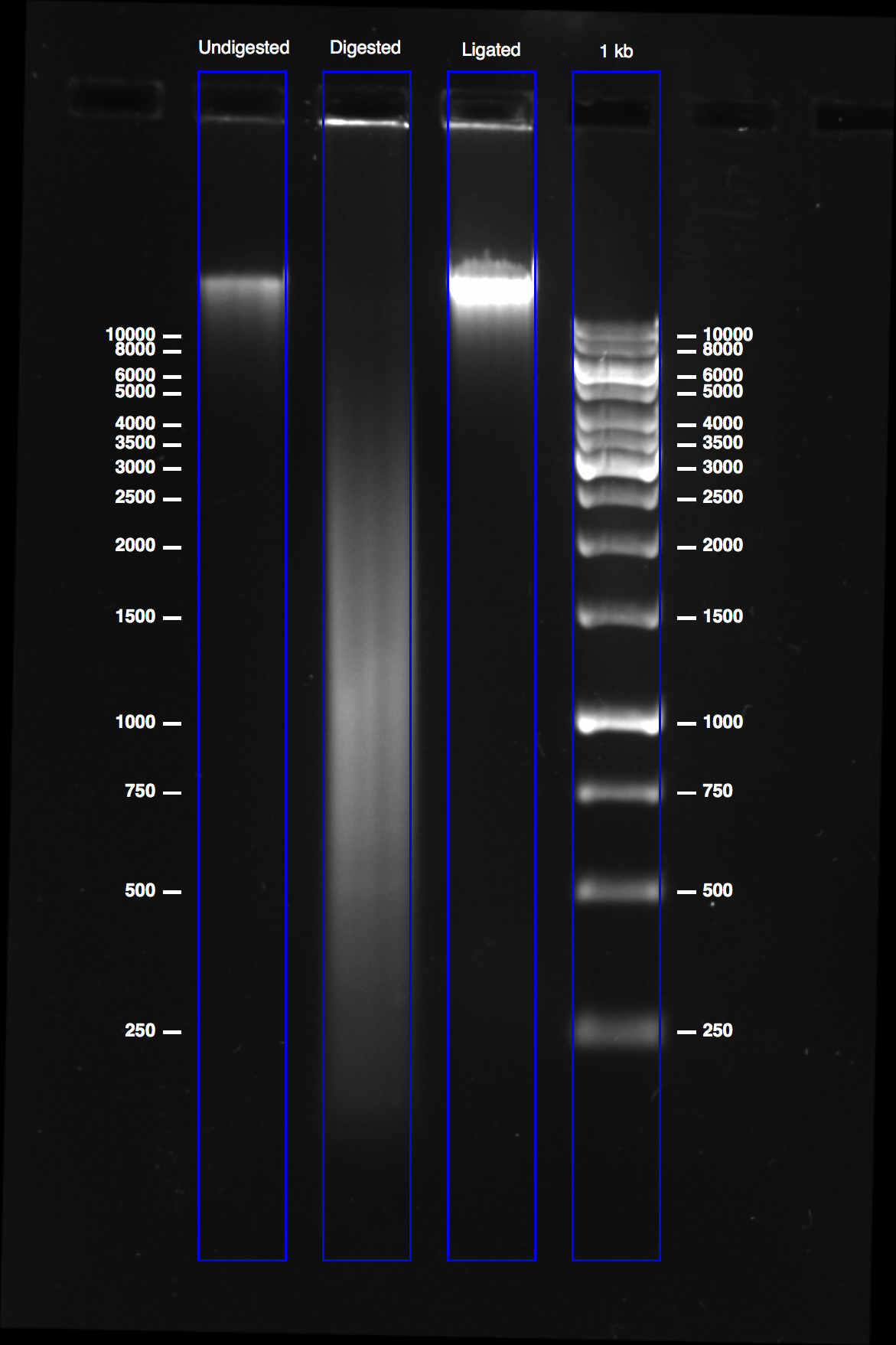
**Appendix I – 3C library preparation**



*Figure 1. Quality control of 3C libraries. DNA gel electrophoresis (1% agarose gel) of undigested chromatin (Control 1), digested chromatin (Control 2) and the ligated 3C library.*

**Appendix II – Sonication and addition of Illumina sequencing adaptors**

**Matching indices**

NEBNext Primer Set 1: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

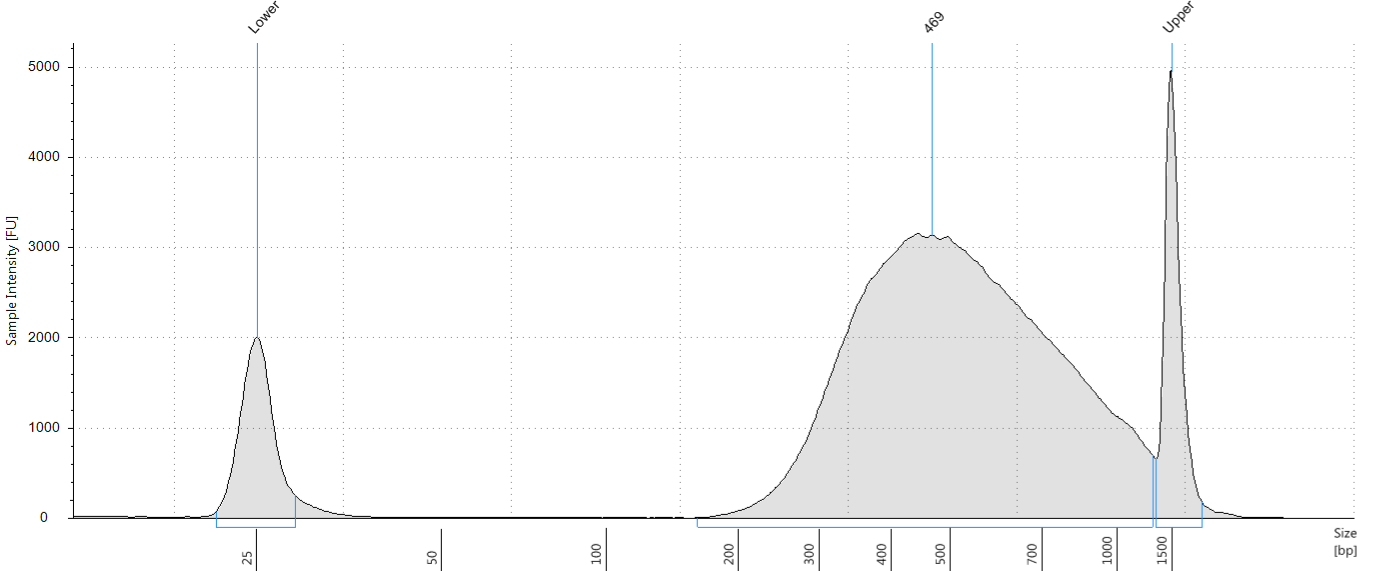
NEBNext Primer Set 2: *13, 14, 15, 16, 18, 19, 20, 21, 22, 23, 25, 27*

Nimblegen HE-Oligo Kit A: 2, 4, 5, 6, 7, 12, *13, 14, 15, 16, 18, 19*

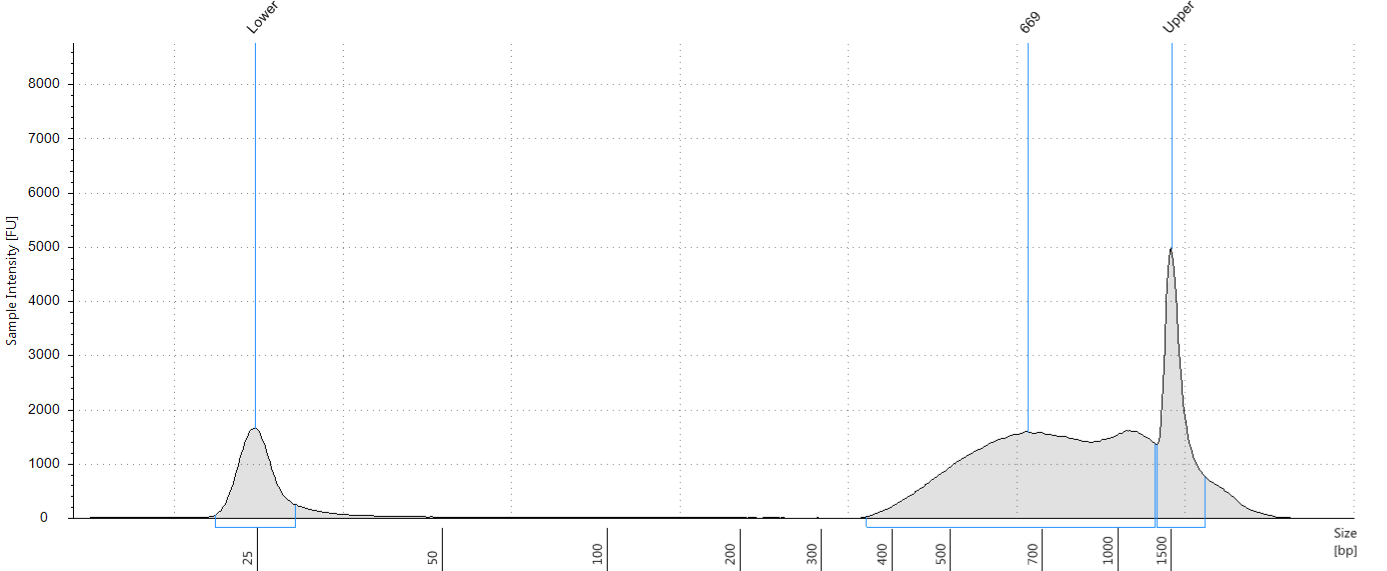
Nimblegen HE-Oligo Kit B: 1, 3, 8, 9, 10, 11, *20, 21, 22, 23, 25, 27*

**Agilent ScreenTape assessments**

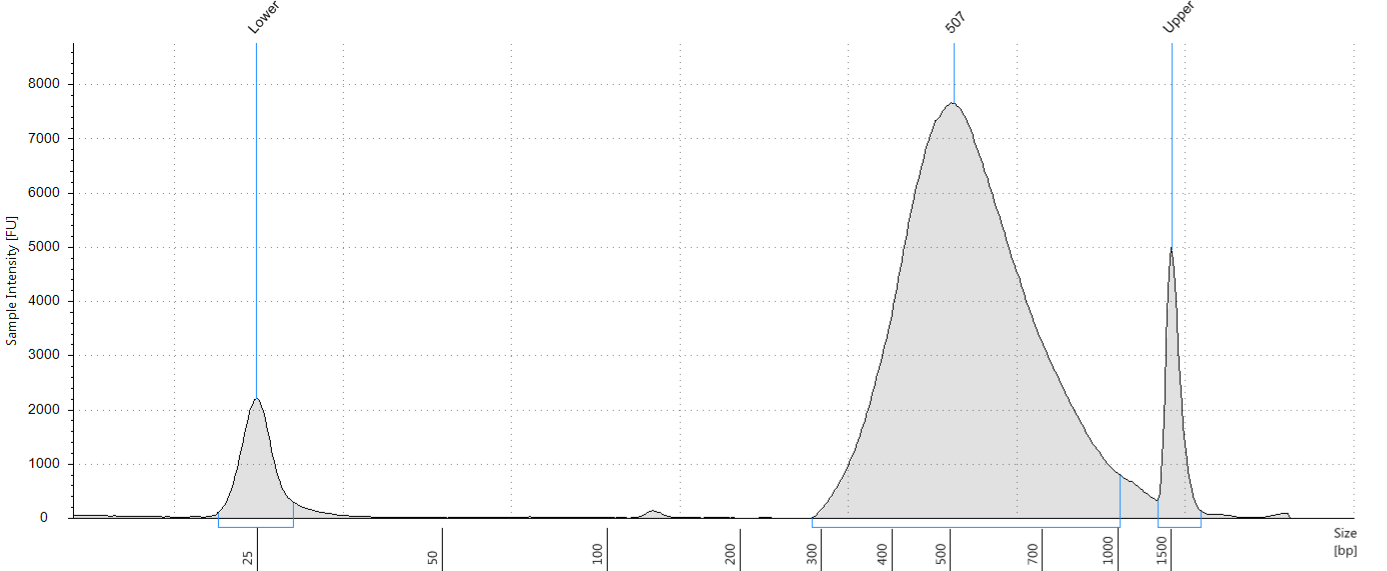
**A Sonication**

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**B Adapter ligation**

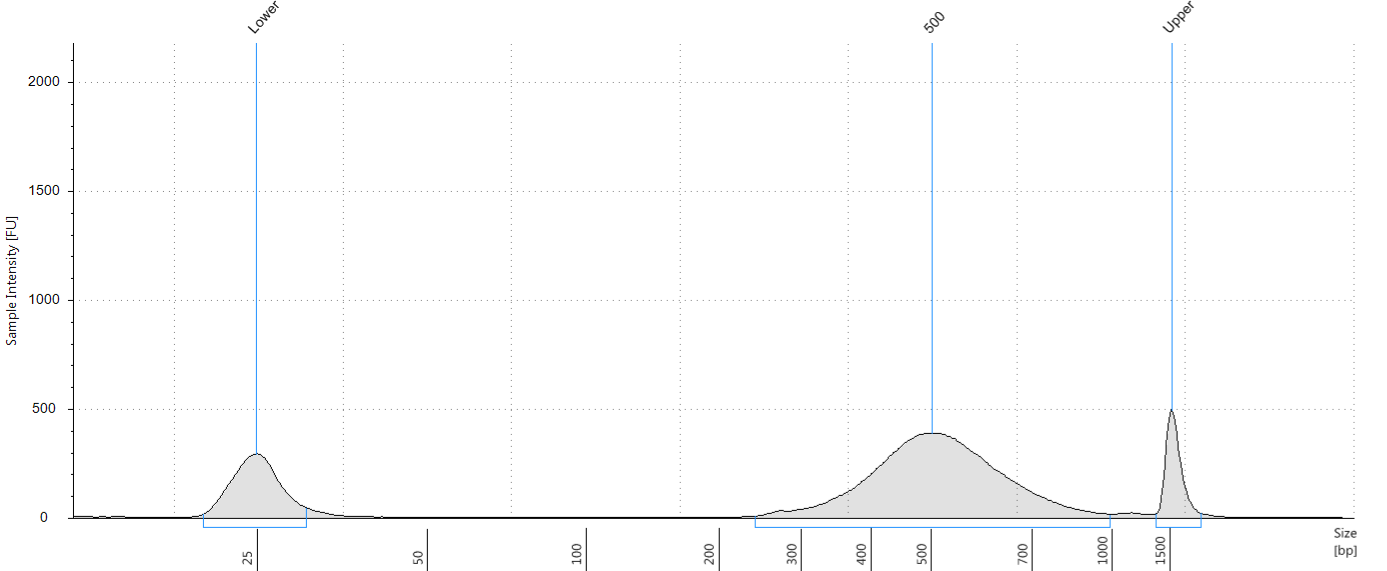
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**C PCR amplification and indexing**

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*Figure 2. Assessment of processed 3C libraries after (A) sonication, (B) adapter ligation, (C) PCR amplification and indexing using the Agilent Tapestation (D1000).*

**Appendix III – Capture enrichment**

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*Figure 3. Assessment of Tri-C libraries after capture enrichment using the Agilent Tapestation (D1000).*