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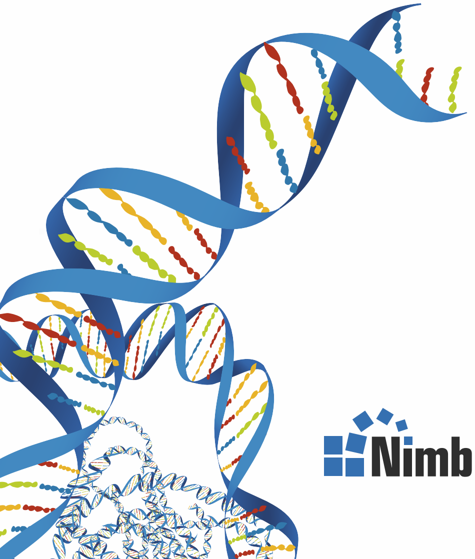
Seize the Genome



NimbleGen Sequence Capture Arrays

DNA Preparation for Targeted Resequencing

- Target Specific Regions of Interest
- Reduce Cost
- Generate Data with Confidence
- Customize Each Capture Design

NimbleGen

For information and to be notified of new developments, visit:

www.nimblegen.com/capture

Maximize the power of next-generation sequencing by capturing and enriching specific regions of interest for targeted resequencing.

- **Target Specific Regions of Interest**
  Capture up to 5 Mb of total sequence on a single array with high coverage and specificity.
- **Reduce Cost**
  Significantly reduce time and cost compared to laborious and limiting PCR-based methods.
- **Generate Data with Confidence**
  Ensure system performance prior to sequencing with built-in QC probes.
- **Customize Each Capture Design**
  Specify the array design to capture contiguous genomic regions or thousands of exons in parallel.

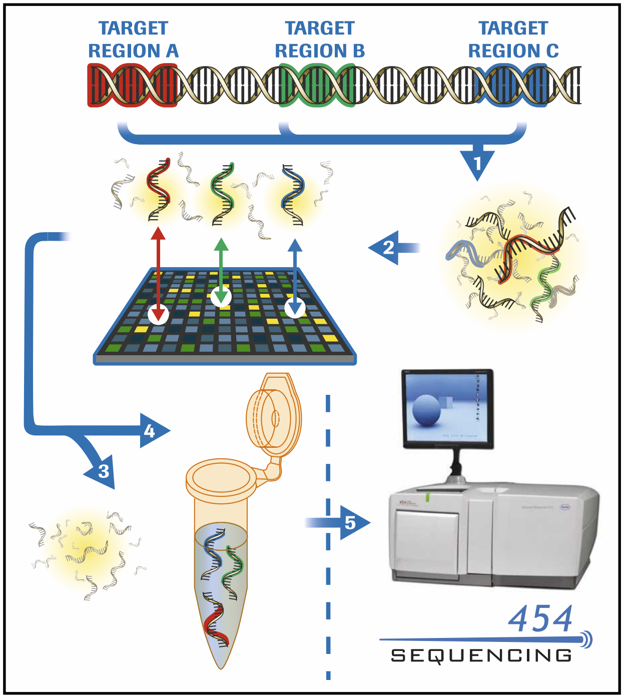


Figure 1: NimbleGen Sequence Capture Protocol
1. The genomic DNA sample is fragmented. 2. The sample is hybridized to a custom NimbleGen Sequence Capture array. 3. Unbound fragments are removed. 4. The target-enriched pool is eluted and amplified. 5. The enriched sample is ready for processing in the Genome Sequencer FLX sample workflow.

Seize control of your resequencing project

- *visit* www.nimblegen.com/capture

- *or call* (877) NimbleGen / (608) 218-7600

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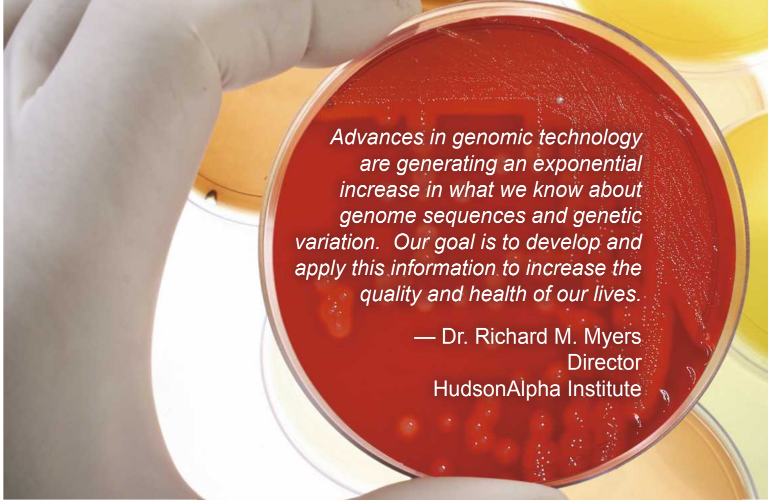

Advances in genomic technology are generating an exponential increase in what we know about genome sequences and genetic variation. Our goal is to develop and apply this information to increase the quality and health of our lives.

— Dr. Richard M. Myers
Director
HudsonAlpha Institute

HudsonAlpha is passionate about translating the promise of genomics into measurable real-world results.

We foster an enterprising spirit and collaborative approach, which serve as the foundation for all our achievements.

Atrium at HudsonAlpha

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— Jim Hudson
Founder and President
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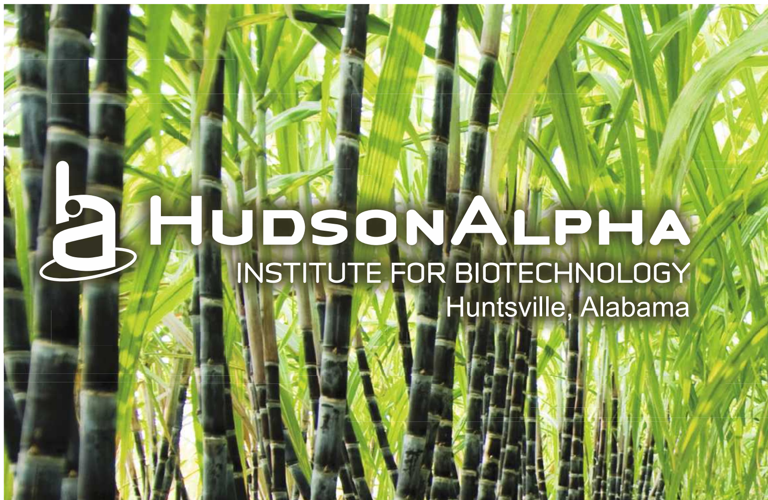

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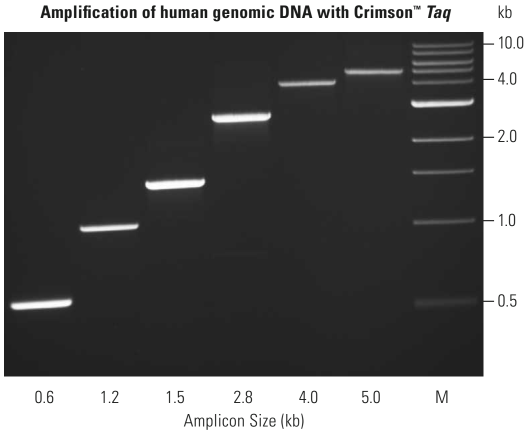

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Lisa Bertetto D'Angelo, Ph.D.
DNA Sequencing Center Search Committee
Yale University
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For additional information, please contact Hillary Sussman, Executive Editor, at hsussman@cshl.edu.

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