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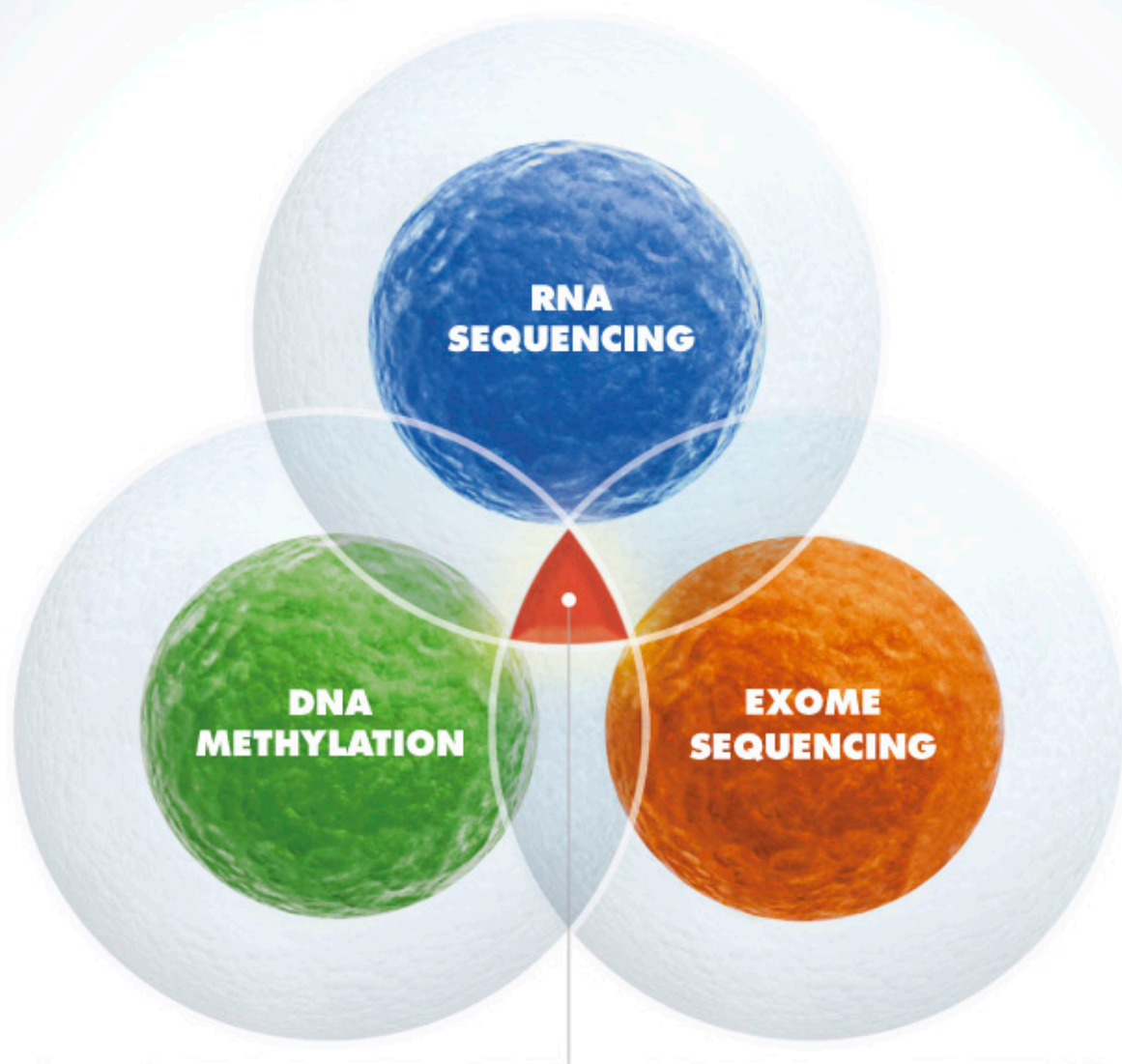
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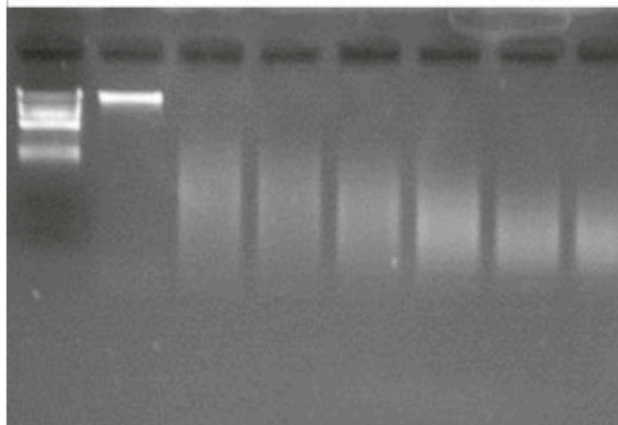
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The Fragment Analyzer™ Automated CE System

The Past



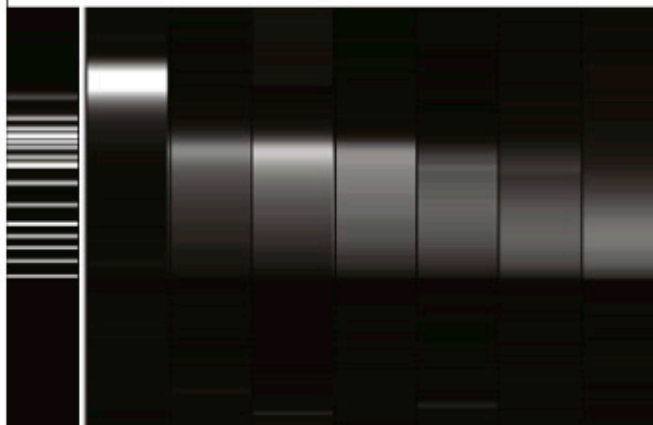
Human genomic DNA. Traditional manual agarose slab gel shows intact gDNA in the second lane. Gel images in remaining lanes show varying levels of gDNA degradation.

Fragment Analyzer™ Benefits

- ◆ No more pouring gels. Automated simultaneous analysis of 12 or 96 samples.
- ◆ Higher sensitivity than agarose gels. Use small amounts of gDNA samples. (0.1 ng)
- ◆ Ultra fast lower marker (set to 1 bp) migrates faster than degraded gDNA for superior quality and quantity assessment.
- ◆ Good sizing capability to differentiate degraded, partially degraded or intact gDNA.
- ◆ See RNA contamination in gDNA extractions.



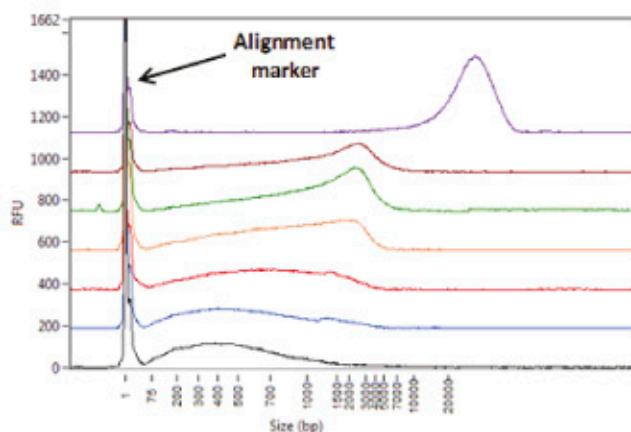
The Future



Same sample of human gDNA, identical results.

BELOW: Raw data is captured by automated capillary electrophoresis system, as seen in electropherogram overlay. >20,000 bp peak indicates intact gDNA on the upper-most trace.

ABOVE: Data can then be processed and presented in a variety of ways, such as this digital gel image.



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California Institute of Technology,
USA

David C. Baulcombe
University of Cambridge,
United Kingdom

Julius Brennecke
Institute of Molecular
Biotechnology, Austria

Marc Bühler
Friedrich Miescher Institute for
Biomedical Research, Switzerland

Howard Y. Chang
Stanford University, USA

Ling-Ling Chen
Institute of Biochemistry and Cell
Biology, China

Jennifer A. Doudna
University of California, Berkeley
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Witold Filipowicz
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Yale University, USA

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National Cancer Institute,
Laboratory of Biochemistry and
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ABSTRACT SUBMISSION
DEADLINE

18 JULY 2013

REGISTRATION DEADLINE

22 AUGUST 2013

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Additional speakers will be
selected from abstracts.



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