

Global DNA Sequencing Market Report: 2015 Edition

<https://marketpublishers.com/r/G53C4C7672DEN.html>

Date: June 2015

Pages: 62

Price: US\$ 800.00 (Single User License)

ID: G53C4C7672DEN

Abstracts

DNA sequencing market is one of the fastest growing segments of the life sciences tools market. This research study includes the market assessment of various products, technologies, applications and end-users. The report briefs about the classification in genomics, process of transcription and translation of DNA, historical development, and generations of sequencing technologies.

The sequencing industry is majorly classified into 3 generations; first generation, second generation / next generation and emerging sequencing technologies. Next-gen sequencing has been the fastest to grow since 2010. The core factors generating demand and driving the growth of industry are growth of emerging and applied economies, heavy investments in research and development, rapid rise in complex diseases, rising infertility at young ages and many more. The emerging technologies are on the way of growth, thus reducing the cost of DNA sequencing.

Some of the noteworthy trends and developments include growing demand from healthcare, declining sequencing cost and recent mergers and acquisitions. However, the industry growth is hindered by front and back-end challenges like faster changes in technology, emerging competition, rising complexity of diseases, and rising R&D cost.

The report analyzes the global DNA sequencing market along with an extensive coverage of its major product segments. The sequencing industry witnesses intense competition with numerous top notch players; such as Illumina Inc., Roche and Thermo Fisher; operating in the marketplace along with small budding players like Pacific Biosciences. The fierce competition prevailing in the sequencing industry has been studied on a number of parameters such as emerging market exposure, R&D expenditures, and presence in various market segments. The company profiles of leading players in the market are also presented in the report.

By combining SPSS Inc.'s data integration and analysis capabilities with our relevant findings, we have predicted the future growth of the industry. We employed various significant variables that have an impact on this industry and created regression models with SPSS Base to determine the future direction of the industry. Before deploying the regression model, the relationship between several independent or predictor variables and the dependent variable was analyzed using standard SPSS output, including charts, tables and tests.

Contents

1. MARKET OVERVIEW

- 1.1 Genomics
- 1.2 Deoxyribonucleic Acid (DNA)
- 1.3 DNA Sequencing
- 1.4 Historical Development
- 1.5 Sequencing Technologies
 - 1.5.1 CE Sequencing / “First Generation”
 - 1.5.2 Next-Generation Sequencing
 - 1.5.3 Single Molecule and Emerging Sequencing Technologies
- 1.6 Applications of DNA Sequencing

2. MARKET ANALYSIS

- 2.1 Global Life Sciences Market
 - Market Value
 - Market Segmentation
 - Regional Breakdown
 - End Markets
- 2.2 DNA Sequencing Market
 - Market Value
 - Market Segmentation
 - End Markets
 - 2.2.1 CE/Sanger
 - End Markets
 - Product Mix
 - 2.2.2 Next Gen Sequencing
 - End Markets
 - Product Mix

3. MARKET DYNAMICS

- 3.1 Growth Drivers
 - 3.1.1 Growing Breeders Requirements
 - 3.1.2 Emerging and Applied Markets
 - 3.1.3 Exposure to Research and Development
 - 3.1.4 Increasing Prevalence of Cancer

3.2 Key Trends

- 3.2.1 Growing Demand from Healthcare
- 3.2.2 Aging and Infertility
- 3.2.3 Declining Cost per Genome
- 3.2.4 Merger and Acquisitions

3.3 Challenges

- 3.3.1 Front and Back-End Challenges
- 3.3.2 Informatics Limitation

4. COMPETITIVE LANDSCAPE

5. COMPANY PROFILES

5.1 Illumina Inc.

- 5.1.1 Business Overview
- 5.1.2 Financial Overview
- 5.1.3 Technological Platforms Overview
- 5.1.4 Business Strategies

5.2 Thermo Fisher Inc.

- 5.2.1 Business Overview
- 5.2.2 Financial Overview
- 5.2.3 Technological Platforms Overview
- 5.2.4 Business Strategies

5.3 Roche

- 5.3.1 Business Overview
- 5.3.2 Financial Overview
- 5.3.3 Technological Platforms Overview
- 5.3.4 Business Strategies

5.4 Pacific BioSciences

- 5.4.1 Business Overview
- 5.4.2 Financial Overview
- 5.4.3 Technological Platforms Overview
- 5.4.4 Business Strategies

6. MARKET OUTLOOK

6.1 Global Market Forecast

6.2 Forecast Methodology

- 6.2.1 Dependent and Independent Variables

6.2.2 Correlation Analysis

6.2.3 Regression Analysis

List Of Charts

LIST OF CHARTS

Classification of Genomic Data Sequencing
Transformation Process from DNA to RNA to Protein
DNA Sequencing Timeline
Application by End Users of DNA Sequencing
Sequencing Technical Applications
Global Market Value by Life Science Tools (2014)
Global Life Science Tools Market Share by Geography (2014)
Global Life Science Tools Market by End Market (2014)
Global Life Science Tools End Market Mix by Company (2014)
Global DNA Sequencing Market Value (2009-2014E)
Global DNA Sequencing Market by Segments (2013/2017E)
Global DNA Sequencing Market Potential by Uses (2014)
Global Market of DNA Sequencing by End Market (2014)
Global DNA Sequencing Market by Product Mix (2014)
First Gen Sequencing Sales by End Market (2014)
First Gen Sequencing Sales by Product Mix (2014)
Next Gen Sequencing Instruments Globally Installed Base (2017E)
Next Gen Sequencing Sales by End Market (2014)
Next Gen Sequencing Sales by Product Mix (2014)
Global Animal Health Market (2007-2014E)
Global Market Shares of Life Science Tools (2014 / 2020)
Federal Research and Development Trends (2001-2014E)
Number of Cancer Cases Worldwide (2008-2014E)
Segmentation Based on Healthcare Demand in the US (2015)
The US Birth Rates Trend by Women (1990-2013)
The US Infertility Rates by Age (2015)
Sequencing Cost per Genome (2000 – 2014E)
DNA Sequencing Global Market Shares (2014 / 2015)
Globally Installed NGS Base by Vendor (2014)
Illumina Sequencing System Portfolio
Illumina Inc. Revenue by Geography (2014)
Illumina Inc. Revenue, Net Income and YOY Growth (2010-2014)
Illumina Inc. Revenue Structure (2010-2014)
Thermo Fisher's Revenue by Geography (2014)
Thermo Fisher's Revenue, Net Income and YOY Growth (2010-2014)

Thermo Fisher's Revenue Structure (2010-2014)
Roche's Sales and Net Income (2010-2014)
Roche's Revenue Structure (2010-2014)
Pacific BioScience's Revenue by Geography (2014)
Pacific BioScience's Revenue & Net Loss (2010-2014)
Pacific BioScience's Revenue Structure (2010-2014)
Global DNA Sequencing Market Forecast (2010-2019F)

List Of Tables

LIST OF TABLES

Major Mergers and Acquisitions (2007-2014)
Comparison of NGS Technologies
Illumina Sequencing System Portfolio Specifications
Dependent & Independent Variables (2009-2014)
Correlation Matrix
Model Summary
Regression Coefficients Output

I would like to order

Product name: Global DNA Sequencing Market Report: 2015 Edition

Product link: <https://marketpublishers.com/r/G53C4C7672DEN.html>

Price: US\$ 800.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G53C4C7672DEN.html>