

# **Whole Exome Sequencing Market by Product (Systems, Kits (Library Preparation, Target Enrichment), by Services (Sequencing), by Technology (Sequencing by Synthesis), by Application (Cancer, Monogenic disorders) - Global Forecast to 2018**

<https://marketpublishers.com/r/WE0B892894AEN.html>

Date: August 2014

Pages: 245

Price: US\$ 5,650.00 (Single User License)

ID: WE0B892894AEN

## **Abstracts**

The applications of whole exome sequencing (WES) technologies have witnessed growth in recent years, which can be primarily attributed to the availability of advanced systems as well as the low cost of conducting exome sequencing, as compared with that of whole genome sequencing. The technological advancement is evident from the number of improved versions of existing sequencers released in recent years. For instance, in January 2014, the leading player in the whole exome sequencing market, Illumina, Inc. (U.S.), launched its NextSeq 500 System, which combines high-throughput performance with an affordable desktop form factor. This system is expected to enable researchers to perform sequencing in less than a day.

The major factors driving the growth of this market include its low cost and high speed, increase in applications areas for exome sequencing technologies, global alliances amongst leading research institutes to boost drug discovery, and the entry of new players in the whole-exome sequencing market. However, the high cost of instruments, the need for skilled professionals and high reliability on grants are hindering the market's growth.

The services segment has the largest share of the global whole exome sequencing market, since it has a variety of applications in all areas, including diagnostics, drug discovery and development, personalized medicine, and agriculture and animal

research. Diagnostics emerged as the largest whole exome sequencing application, primarily because of an increase in the usage of exome sequencing technologies in cancer and rare disease research.

In the years to come, the whole exome sequencing market is expected to experience high growth in Asia, particularly in China and India. These countries will serve as new revenue pockets for whole exome sequencing products and services companies. High growth in these regions can be attributed to growth in the pharmaceutical and biotech industry and crop research, increased funding scenarios and collaborations with established market players. U.S. and Europe are witnessing steady growth owing to new applications in diagnostics, applied markets, and technological advancements in these regions. Rest of the world (RoW) includes regions such as Latin America, Africa, the Middle East, and Pacific countries, which have increased focus on research and gaining funds, thus increasing the potential for whole exome sequencing in these regions.

While the global whole exome sequencing products market witnesses low competitive intensity, competition is strong in the services market, with few big firms and many small companies in the fray offering similar services. These companies adopt various strategies (innovations, acquisitions, and geographic expansions) to increase their market shares and establish a strong foothold in the global market.

### **Reasons to Buy the Report:**

The report will enrich both established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn will help firms garner a greater market share. Firms purchasing the report could use any one or a combination of the below mentioned five strategies (market penetration, product development/innovation, market development, market diversification, and competitive assessment) for strengthening their market shares.

### **The report provides insights on the following pointers:**

**Market Penetration:** Comprehensive information on the product portfolios of and services offered by top players in the whole exome sequencing market. The report analyzes the whole exome sequencing market by products and services

**Product Development/Innovation:** Detailed insights on upcoming technologies, research and development activities, and new product launches in the whole

exome sequencing market

**Market Development:** Comprehensive information about the lucrative emerging markets. The report analyzes markets for various whole exome sequencing technologies and services across geographies

**Market Diversification:** Exhaustive information about new products and services, untapped geographies, recent developments, and investments in the whole exome sequencing market

**Competitive Assessment:** In-depth assessment of market shares, strategies, products and services, distribution networks, and manufacturing capabilities of leading players in the whole exome sequencing market

## Contents

### 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKETS COVERED
- 1.3 STAKEHOLDERS
- 1.4 RESEARCH METHODOLOGY
  - 1.4.1 SECONDARY RESEARCH
  - 1.4.2 PRIMARY RESEARCH
    - 1.4.2.1 Key data points from primary sources
  - 1.4.3 MARKET SIZE ESTIMATION METHODOLOGY
  - 1.4.4 MARKET FORECAST MODEL
  - 1.4.5 MARKET DATA VALIDATION AND DATA TRIANGULATION
- 1.5 ASSUMPTIONS

### 2 EXECUTIVE SUMMARY

### 3 MARKET OVERVIEW

- 3.1 INTRODUCTION
- 3.2 MARKET DYNAMICS
  - 3.2.1 DRIVERS
    - 3.2.1.1 Low cost and high speed of the WES technology to drive the growth of the market
    - 3.2.1.2 Increasing number of new scientific applications to fuel the market growth
    - 3.2.1.3 Adoption of WES technology by new consumers to propel the market growth
    - 3.2.1.4 Global alliances amongst leading research institutes to trigger drug discovery
    - 3.2.1.5 Entry of new players is propelling the growth of the WES market
  - 3.2.2 RESTRAINTS
    - 3.2.2.1 Need for skilled professionals
    - 3.2.2.2 High reliability on grants to restrict growth
    - 3.2.2.3 Ethical and legal issues related to whole exome sequencing
  - 3.2.3 OPPORTUNITY
    - 3.2.3.1 Personalized medicine to fuel the demand for WES technology
- 3.3 MARKET SHARE ANALYSIS
  - 3.3.1 WHOLE EXOME SEQUENCING PRODUCTS MARKET, BY KEY PLAYER
  - 3.3.2 WHOLE EXOME SEQUENCING SERVICES MARKET, BY KEY PLAYER

## **4 WHOLE EXOME SEQUENCING MARKET, BY PRODUCTS AND SERVICES**

### **4.1 INTRODUCTION**

### **4.2 SYSTEMS**

#### **4.2.1 INTRODUCTION**

#### **4.2.2 HISEQ SERIES**

##### **4.2.2.1 HiSeq 2500 and HiSeq 1500**

#### **4.2.3 MISEQ**

#### **4.2.4 ION TORRENT PLATFORMS**

##### **4.2.4.1 Ion PGM and Ion Proton**

### **4.3 KITS**

#### **4.3.1 INTRODUCTION**

#### **4.3.2 DNA FRAGMENTATION, END REPAIR, A-TAILING, AND SIZE SELECTION**

### **KITS**

#### **4.3.3 LIBRARY PREPARATION KITS**

#### **4.3.4 TARGET ENRICHMENT KITS**

### **4.4 SERVICES**

#### **4.4.1 INTRODUCTION**

#### **4.4.2 SEQUENCING SERVICES MARKET**

#### **4.4.3 DATA ANALYSIS (BIOINFORMATICS) SERVICES**

#### **4.4.4 OTHER SERVICES**

## **5 GLOBAL WHOLE EXOME SEQUENCING MARKET, BY TECHNOLOGY**

### **5.1 INTRODUCTION**

### **5.2 SEQUENCING BY SYNTHESIS (SBS)**

#### **5.2.1 TECHNOLOGY**

#### **5.2.2 ADVANTAGES**

#### **5.2.3 LIMITATIONS**

#### **5.2.4 APPLICATIONS**

#### **5.2.5 PLATFORMS**

### **5.3 ION SEMICONDUCTOR SEQUENCING**

#### **5.3.1 TECHNOLOGY**

#### **5.3.2 ADVANTAGES**

#### **5.3.3 LIMITATIONS**

#### **5.3.4 APPLICATIONS**

#### **5.3.5 PLATFORMS**

### **5.4 OTHER TECHNOLOGIES**

#### **5.4.1 SEQUENCING BY LIGATION (SBL)**

- 5.4.1.1 Technology
- 5.4.1.2 Advantages
- 5.4.1.3 Limitations
- 5.4.1.4 Applications
- 5.4.2 PYROSEQUENCING
  - 5.4.2.1 Technology
  - 5.4.2.2 Advantages
  - 5.4.2.3 Applications

## **6 WHOLE EXOME SEQUENCING MARKET, BY APPLICATION**

- 6.1 INTRODUCTION
- 6.2 DIAGNOSTICS
  - 6.2.1 CANCER DIAGNOSTICS
  - 6.2.2 MONOGENIC (MENDELIAN) DISORDERS
  - 6.2.3 MONOGENIC TYPES OF DIABETES
  - 6.2.4 OTHER DIAGNOSTIC APPLICATIONS
    - 6.2.4.1 Common diseases and complex disorders
    - 6.2.4.2 Movement disorders
    - 6.2.4.3 HIV
- 6.3 DRUG DISCOVERY AND DEVELOPMENT
- 6.4 PERSONALIZED MEDICINE
- 6.5 AGRICULTURE & ANIMAL RESEARCH
- 6.6 OTHER APPLICATIONS

## **7 GLOBAL WHOLE EXOME SEQUENCING MARKET, BY END USER**

- 7.1 INTRODUCTION
  - 7.1.1 RESEARCH CENTERS AND ACADEMIC & GOVERNMENT INSTITUTES
  - 7.1.2 HOSPITALS AND CLINICS
  - 7.1.3 PHARMACEUTICAL & BIOTECHNOLOGY COMPANIES
  - 7.1.4 OTHER END USERS

## **8 GLOBAL WHOLE EXOME SEQUENCING MARKET, BY GEOGRAPHY**

- 8.1 INTRODUCTION
- 8.2 NORTH AMERICA
  - 8.2.1 INCREASING USE OF WHOLE EXOME SEQUENCING FOR DIAGNOSIS OF RARE DISEASES PROPELS THE MARKET GROWTH

## 8.2.2 GOVERNMENT FUNDS FOR EXOME SEQUENCING TO BOOST THE MARKET

## 8.2.3 FAVORABLE INITIATIVES BY THE CANADIAN GOVERNMENT TO TRIGGER THE WES MARKET IN THE COUNTRY

## 8.2.4 CONFERENCES & ANNUAL MEETINGS TO CREATE AWARENESS ABOUT WES TECHNOLOGIES

## 8.3 EUROPE

### 8.3.1 INVESTMENTS IN RARE DISEASE RESEARCH LIKELY TO BOOST THE WES MARKET IN EUROPE

### 8.3.2 BELGIUM TO CONTRIBUTE SUBSTANTIALLY TO MARKET GROWTH IN EUROPE

### 8.3.3 INCREASING FUNDING FOR MOLECULAR DIAGNOSTICS IN EUROPE IS LIKELY TO PROPEL THE GROWTH OF THE WES MARKET

### 8.3.4 CONFERENCES & MEETINGS HOSTED IN EUROPE TO FUEL THE MARKET GROWTH

## 8.4 ASIA

### 8.4.1 ASIAN COUNTRIES ARE INCREASINGLY FOCUSING ON RESEARCH IN WES

### 8.4.2 STRATEGIC EXPANSIONS AND ACQUISITIONS BY KEY PLAYERS IN CHINA TO BOOST THE MARKET

### 8.4.3 REGULAR FUNDING FROM INDIAN GOVERNMENT, AN IMPETUS TO THE WES MARKET

### 8.4.4 LARGE NUMBER OF CONFERENCES AND SYMPOSIA IN ASIA TO DRIVE MARKET GROWTH

## 8.5 REST OF THE WORLD (ROW)

### 8.5.1 BIOINFORMATICS AND BIOTECHNOLOGY RESEARCH IN LATIN AMERICA TO PROPEL THE GROWTH OF THE MARKET

### 8.5.2 GENOMIC & PROTEOMIC RESEARCH IN AUSTRALIA TO DRIVE THE GROWTH OF THE MARKET

### 8.5.3 FLOURISHING BIOTECHNOLOGY & PHARMACEUTICAL MARKETS IN BRAZIL TO BOLSTER THE GROWTH OF THE MARKET

## 9 COMPETITIVE LANDSCAPE

### 9.1 INTRODUCTION

### 9.2 AGREEMENTS, PARTNERSHIPS, & COLLABORATIONS

### 9.3 NEW PRODUCT LAUNCHES

### 9.4 EXPANSIONS

### 9.5 ACQUISITIONS

## 9.6 OTHERS

## 10 COMPANY PROFILES

10.1 ILLUMINA, INC.

10.2 THERMO FISHER SCIENTIFIC, INC.

10.3 BEIJING GENOMICS INSTITUTE (BGI)

10.4 MACROGEN, INC.

10.5 EUROFINS GENOMICS, INC.

10.6 AGILENT TECHNOLOGIES, INC.

10.7 AMBRY GENETICS

10.8 GENEWIZ, INC.

10.9 KHOME, INC.

10.10 ROCHE NIMBLEGEN, INC.

10.11 SENGENICS (Details on Business Overview, Financial Overview, Services, Growth Strategy, & Recent Developments might not be captured in case of unlisted companies.)



## List Of Tables

### LIST OF TABLES

TABLE 1 PRICE COMPARISON FOR WHOLE GENOME AND WHOLE EXOME SEQUENCING

TABLE 2 ILLUMINA, INC.: YEAR-ON-YEAR INCREASE IN THE NUMBER OF COMMERCIAL EMPLOYEES, BY GEOGRAPHY, 2013

TABLE 3 GLOBAL WHOLE EXOME SEQUENCING MARKET SIZE, BY PRODUCTS AND SERVICES, 2011–2018 (\$MILLION)

TABLE 4 GLOBAL WHOLE EXOME SEQUENCING PRODUCTS MARKET SIZE, BY TYPE, 2011–2018 (\$MILLION)

TABLE 5 GLOBAL WHOLE EXOME SEQUENCING PRODUCTS MARKET SIZE, BY REGION, 2011–2018 (\$MILLION)

TABLE 6 TECHNICAL SPECIFICATIONS OF SEQUENCING SYSTEMS

TABLE 7 GLOBAL WHOLE EXOME SEQUENCING SYSTEMS MARKET SIZE, BY REGION, 2011–2018 (\$MILLION)

TABLE 8 COMPARISON OF EXOME SEQUENCING KITS

TABLE 9 GLOBAL WHOLE EXOME SEQUENCING KITS MARKET SIZE, BY TYPE, 2011–2018 (\$MILLION)

TABLE 10 GLOBAL WHOLE EXOME SEQUENCING KITS MARKET SIZE, BY REGION, 2011–2018 (\$MILLION)

TABLE 11 WHOLE EXOME SEQUENCING MARKET SIZE FOR DNA FRAGMENTATION, END REPAIR, A-TAILING, AND SIZE SELECTION KITS, BY REGION, 2011–2018 (\$MILLION)

TABLE 12 WHOLE EXOME SEQUENCING MARKET SIZE FOR LIBRARY PREPARATION KITS, BY REGION, 2011–2018 (\$MILLION)

TABLE 13 WHOLE EXOME SEQUENCING MARKET SIZE FOR TARGET ENRICHMENT KITS, BY REGION, 2011–2018 (\$MILLION)

TABLE 14 GLOBAL WHOLE EXOME SEQUENCING SERVICES MARKET SIZE, BY TYPE, 2011–2018 (\$MILLION)

TABLE 15 GLOBAL WHOLE EXOME SEQUENCING SERVICES MARKET SIZE, BY REGION, 2011–2018 (\$MILLION)

TABLE 16 WHOLE EXOME SEQUENCING MARKET SIZE FOR SEQUENCING SERVICES, BY GEOGRAPHY, 2011–2018 (\$MILLION)

TABLE 17 WHOLE EXOME SEQUENCING MARKET SIZE FOR DATA ANALYSIS SERVICES, BY REGION, 2011–2018 (\$MILLION)

TABLE 18 WHOLE EXOME SEQUENCING MARKET SIZE FOR OTHER SERVICES, BY REGION, 2011–2018 (\$MILLION)

TABLE 19 GLOBAL WHOLE EXOME SEQUENCING MARKET SIZE, BY TECHNOLOGY, 2011–2018 (\$MILLION)

TABLE 20 WHOLE EXOME SEQUENCING MARKET SIZE FOR SEQUENCING, BY SYNTHESIS TECHNOLOGY, BY REGION, 2011–2018 (\$MILLION)

TABLE 21 WHOLE EXOME SEQUENCING MARKET SIZE FOR ION SEMICONDUCTOR SEQUENCING TECHNOLOGY, BY REGION, 2011–2018 (\$MILLION)

TABLE 22 WHOLE EXOME SEQUENCING MARKET SIZE FOR OTHER SEQUENCING TECHNOLOGIES, BY REGION, 2011–2018 (\$MILLION)

TABLE 23 GLOBAL WHOLE EXOME SEQUENCING MARKET SIZE, BY APPLICATION, 2011–2018 (\$MILLION)

TABLE 24 WHOLE EXOME SEQUENCING MARKET SIZE FOR DIAGNOSTIC APPLICATIONS, BY TYPE, 2011–2018 (\$MILLION)

TABLE 25 WHOLE EXOME SEQUENCING MARKET SIZE FOR DIAGNOSTIC APPLICATIONS, BY REGION, 2011–2018 (\$MILLION)

TABLE 26 WHOLE EXOME SEQUENCING MARKET SIZE FOR CANCER DIAGNOSTICS, BY REGION, 2011–2018 (\$MILLION)

TABLE 27 WHOLE EXOME SEQUENCING MARKET SIZE FOR MONOGENIC DISORDER DIAGNOSTICS, BY REGION, 2011–2018 (\$MILLION)

TABLE 28 WHOLE EXOME SEQUENCING MARKET SIZE FOR MONOGENIC TYPES OF DIABETES, BY REGION, 2011–2018 (\$MILLION)

TABLE 29 WHOLE EXOME SEQUENCING MARKET SIZE FOR OTHER DIAGNOSTIC APPLICATIONS, BY REGION, 2011–2018 (\$MILLION)

TABLE 30 WHOLE EXOME SEQUENCING MARKET SIZE FOR DRUG DISCOVERY AND DEVELOPMENT, BY REGION, 2011–2018 (\$MILLION)

TABLE 31 WHOLE EXOME SEQUENCING MARKET SIZE FOR PERSONALIZED MEDICINE, BY REGION, 2011–2018 (\$MILLION)

TABLE 32 WHOLE EXOME SEQUENCING MARKET SIZE FOR AGRICULTURE AND ANIMAL RESEARCH, BY REGION, 2011–2018 (\$MILLION)

TABLE 33 WHOLE EXOME SEQUENCING MARKET SIZE FOR OTHER APPLICATIONS, BY REGION, 2011–2018 (\$MILLION)

TABLE 34 GLOBAL WHOLE EXOME SEQUENCING MARKET SIZE, BY END USER, 2011–2018 (\$MILLION)

TABLE 35 WHOLE EXOME SEQUENCING MARKET SIZE FOR RESEARCH CENTERS AND ACADEMIC & GOVERNMENT INSTITUTES, BY REGION, 2011–2018 (\$MILLION)

TABLE 36 WHOLE EXOME SEQUENCING MARKET SIZE FOR HOSPITALS AND CLINICS, BY REGION, 2011–2018 (\$MILLION)

TABLE 37 WHOLE EXOME SEQUENCING MARKET SIZE FOR PHARMACEUTICAL

AND BIOTECHNOLOGY COMPANIES, BY REGION, 2011–2018 (\$MILLION)

TABLE 38 WHOLE EXOME SEQUENCING MARKET SIZE FOR OTHER END USERS, BY REGION, 2011–2018 (\$MILLION)

TABLE 39 WHOLE EXOME SEQUENCING MARKET SIZE, BY REGION, 2011–2018 (\$MILLION)

TABLE 40 CONFERENCES/MEETINGS/FORUMS/WORKSHOPS IN THE U.S., 2014

TABLE 41 NORTH AMERICA: WHOLE EXOME SEQUENCING MARKET SIZE, BY TECHNOLOGY, 2011–2018 (\$MILLION)

TABLE 42 NORTH AMERICA: WHOLE EXOME SEQUENCING MARKET SIZE, BY PRODUCTS AND SERVICES, 2011–2018 (\$MILLION)

TABLE 43 NORTH AMERICA: WHOLE EXOME SEQUENCING PRODUCTS MARKET SIZE, BY TYPE, 2011–2018 (\$MILLION)

TABLE 44 NORTH AMERICA: WHOLE EXOME SEQUENCING KITS MARKET SIZE, BY TYPE, 2011–2018 (\$MILLION)

TABLE 45 NORTH AMERICA: WHOLE EXOME SEQUENCING SERVICES MARKET SIZE, BY TYPE, 2011–2018 (\$MILLION)

TABLE 46 NORTH AMERICA: WHOLE EXOME SEQUENCING MARKET SIZE, BY APPLICATION, 2011–2018 (\$MILLION)

TABLE 47 NORTH AMERICA: WHOLE EXOME SEQUENCING MARKET SIZE FOR DIAGNOSTIC APPLICATIONS, BY TYPE, 2011–2018 (\$MILLION)

TABLE 48 NORTH AMERICA: WHOLE EXOME SEQUENCING MARKET SIZE, BY END USER, 2011–2018 (\$MILLION)

TABLE 49 CONFERENCES/MEETINGS/FORUMS/WORKSHOPS IN EUROPE, 2014

TABLE 50 EUROPE: WHOLE EXOME SEQUENCING MARKET SIZE, BY TECHNOLOGY, 2011–2018 (\$MILLION)

TABLE 51 EUROPE: WHOLE EXOME SEQUENCING MARKET SIZE, BY PRODUCTS AND SERVICES, 2011–2018 (\$MILLION)

TABLE 52 EUROPE: WHOLE EXOME SEQUENCING PRODUCTS MARKET SIZE, BY TYPE, 2011–2018 (\$MILLION)

TABLE 53 EUROPE: WHOLE EXOME SEQUENCING KITS MARKET SIZE, BY TYPE, 2011–2018 (\$MILLION)

TABLE 54 EUROPE: WHOLE EXOME SEQUENCING SERVICES MARKET SIZE, BY TYPE, 2011–2018 (\$MILLION)

TABLE 55 EUROPE: WHOLE EXOME SEQUENCING MARKET SIZE, BY APPLICATION, 2011–2018 (\$MILLION)

TABLE 56 EUROPE: WHOLE EXOME SEQUENCING MARKET SIZE FOR DIAGNOSTIC APPLICATIONS, BY TYPE, 2011–2018 (\$MILLION)

TABLE 57 EUROPE: WHOLE EXOME SEQUENCING MARKET SIZE, BY END USER, 2011–2018 (\$MILLION)

TABLE 58 CONFERENCES/MEETINGS/FORUMS/WORKSHOPS IN ASIA, 2014

TABLE 59 ASIA: WHOLE EXOME SEQUENCING MARKET SIZE, BY TECHNOLOGY, 2011–2018 (\$MILLION)

TABLE 60 ASIA: WHOLE EXOME SEQUENCING MARKET SIZE, BY PRODUCTS AND SERVICES, 2011–2018 (\$MILLION)

TABLE 61 ASIA: WHOLE EXOME SEQUENCING PRODUCTS MARKET SIZE, BY TYPE, 2011–2018 (\$MILLION)

TABLE 62 ASIA: WHOLE EXOME SEQUENCING KITS MARKET SIZE, BY TYPE, 2011–2018 (\$MILLION)

TABLE 63 ASIA: WHOLE EXOME SEQUENCING SERVICES MARKET SIZE, BY TYPE, 2011–2018 (\$MILLION)

TABLE 64 ASIA: WHOLE EXOME SEQUENCING MARKET SIZE, BY APPLICATION, 2011–2018 (\$MILLION)

TABLE 65 ASIA: WHOLE EXOME SEQUENCING MARKET SIZE FOR DIAGNOSTIC APPLICATIONS, BY TYPE, 2011–2018 (\$MILLION)

TABLE 66 ASIA: WHOLE EXOME SEQUENCING MARKET SIZE, BY END USER, 2011–2018 (\$MILLION)

TABLE 67 ROW: WHOLE EXOME SEQUENCING MARKET SIZE, BY TECHNOLOGY, 2011–2018 (\$MILLION)

TABLE 68 ROW: WHOLE EXOME SEQUENCING MARKET SIZE, BY PRODUCTS AND SERVICES, 2011–2018 (\$MILLION)

TABLE 69 ROW: WHOLE EXOME SEQUENCING PRODUCTS MARKET SIZE, BY TYPE, 2011–2018 (\$MILLION)

TABLE 70 ROW: WHOLE EXOME SEQUENCING KITS MARKET SIZE, BY TYPE, 2011–2018 (\$MILLION)

TABLE 71 ROW: WHOLE EXOME SEQUENCING SERVICES MARKET SIZE, BY TYPE, 2011–2018 (\$MILLION)

TABLE 72 ROW: WHOLE EXOME SEQUENCING MARKET SIZE, BY APPLICATION, 2011–2018 (\$MILLION)

TABLE 73 ROW: WHOLE EXOME SEQUENCING MARKET SIZE FOR DIAGNOSTIC APPLICATIONS, BY TYPE, 2011–2018 (\$MILLION)

TABLE 74 ROW: WHOLE EXOME SEQUENCING MARKET SIZE, BY END USER, 2011–2018 (\$MILLION)

TABLE 75 AGREEMENTS, PARTNERSHIPS, & COLLABORATIONS, 2011–2014

TABLE 76 NEW PRODUCT LAUNCHES, 2012–2014

TABLE 77 EXPANSIONS, 2011–2013

TABLE 78 ACQUISITIONS, 2011–2014

TABLE 79 OTHERS, 2011–2014

## List Of Figures

### LIST OF FIGURES

- FIGURE 1 RESEARCH METHODOLOGY
- FIGURE 2 SAMPLING FRAME: PRIMARY RESEARCH
- FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY (1/3)
- FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY (2/3)
- FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY (3/3)
- FIGURE 6 MARKET SIZING ANALYSIS
- FIGURE 7 MARKET SHARE ASSESSMENT
- FIGURE 8 MARKET FORECASTING MODEL
- FIGURE 9 DATA TRIANGULATION METHODOLOGY
- FIGURE 10 GLOBAL WHOLE EXOME SEQUENCING MARKET SIZE, BY PRODUCTS AND SERVICES, 2013 VS. 2018
- FIGURE 11 GLOBAL WHOLE EXOME SEQUENCING MARKET SIZE, BY GEOGRAPHY, 2013 (\$MILLION)
- FIGURE 12 MARKET DYNAMICS
- FIGURE 13 WHOLE EXOME SEQUENCING PRODUCTS MARKET SHARE, BY KEY PLAYER
- FIGURE 14 WHOLE EXOME SEQUENCING SERVICES MARKET SHARE, BY KEY PLAYER
- FIGURE 15 WHOLE EXOME SEQUENCING MARKET SEGMENTATION
- FIGURE 16 COMMONLY AVAILABLE SEQUENCING KITS
- FIGURE 17 PROCESS WORKFLOW OF DNA FRAGMENTATION, END REPAIR, A-TAILING, AND SIZE SELECTION KITS
- FIGURE 18 WHOLE EXOME SEQUENCING TECHNOLOGY MARKET SEGMENTATION
- FIGURE 19 WHOLE EXOME SEQUENCING MARKET SEGEMENTATION, BY APPLICATION
- FIGURE 20 WHOLE EXOME SEQUENCING MARKET, BY END USER
- FIGURE 21 WHOLE EXOME SEQUENCING MARKET OUTLOOK, BY GEOGRAPHY, 2013 VS. 2018 (\$MILLION)
- FIGURE 22 GLOBAL WHOLE EXOME SEQUENCING MARKET: KEY GROWTH STRATEGIES, 2011–2014
- FIGURE 23 KEY PLAYERS FOCUSING ON AGREEMENTS, PARTNERSHIPS, & COLLABORATIONS, 2011–2014
- FIGURE 24 KEY PLAYERS FOCUSING ON NEW PRODUCT LAUNCHES, 2011–2014
- FIGURE 25 KEY PLAYERS FOCUSING ON EXPANSIONS, 2011–2014

FIGURE 26 KEY PLAYERS FOCUSING ON ACQUISITIONS, 2011–2014

FIGURE 27 KEY PLAYERS FOCUSING ON OTHER STRATEGIES, 2011–2014

## I would like to order

Product name: Whole Exome Sequencing Market by Product (Systems, Kits (Library Preparation, Target Enrichment), by Services (Sequencing), by Technology (Sequencing by Synthesis), by Application (Cancer, Monogenic disorders) - Global Forecast to 2018

Product link: <https://marketpublishers.com/r/WE0B892894AEN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/WE0B892894AEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970