

# Global Immune Repertoire Sequencing Market 2018 by Manufacturers, Countries, Type and Application, Forecast to 2023

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## Abstracts

Immune Repertoire is the collection of B and T cells with functional diversity in the body that reflects the immune selectivity. Immune Repertoire Sequencing means to sequence the complimentary determining region of both B-cell receptor and T-cell receptor. Immune receptor repertoire profiling portrays as the antigen-specific information within lymphocytes and has become increasingly significant to understand body's autoimmunity and healthy immunity. This also propose novel ways to tackle cancer and development of personalized medicine by understanding the genetic makeup of a person. Since the last two decades, the technical advancements in the high throughput sequencing techniques along with the development in the bioinformatics and statistical tools have made the immune repertoire sequencing to be analyzed at single sequence level. This technology has potential to explore for the novel infectious agents and also offers new approaches for vaccine or antibody development.

### Scope of the Report:

The global Immune Repertoire Sequencing market is valued at xx million USD in 2017 and is expected to reach xx million USD by the end of 2023, growing at a CAGR of xx% between 2017 and 2023.

The Asia-Pacific will occupy for more market share in following years, especially in China, also fast growing India and Southeast Asia regions.

North America, especially The United States, will still play an important role which cannot be ignored. Any changes from United States might affect the development trend of Immune Repertoire Sequencing.

Europe also play important roles in global market, with market size of xx million USD in 2017 and will be xx million USD in 2023, with a CAGR of xx%.

This report studies the Immune Repertoire Sequencing market status and outlook of Global and major regions, from angles of players, countries, product types and end industries; this report analyzes the top players in global market, and splits the Immune Repertoire Sequencing market by product type and applications/end industries.

Market Segment by Companies, this report covers

ArcherDX

Junom Therapeutics

Roche Holding

Illumina

ThermoFisher Scientific

Pacific Biosciences

CD Genomics

Atreca

Adaptive Biotechnologies

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Pyro-Sequencing

Dye-Terminating Sequencing

Semiconductor Sequencing

Others

Market Segment by Applications, can be divided into

Biomarker Discovery

Infectious Diseases

Vaccine Development and Efficacy

Cancer Immunotherapy

Autoimmune Disease

Transplant Rejection and Tolerance

Others

## Contents

### 1 IMMUNE REPERTOIRE SEQUENCING MARKET OVERVIEW

- 1.1 Product Overview and Scope of Immune Repertoire Sequencing
- 1.2 Classification of Immune Repertoire Sequencing by Types
  - 1.2.1 Global Immune Repertoire Sequencing Revenue Comparison by Types (2017-2023)
  - 1.2.2 Global Immune Repertoire Sequencing Revenue Market Share by Types in 2017
  - 1.2.3 Pyro-Sequencing
  - 1.2.4 Dye-Terminating Sequencing
  - 1.2.5 Semiconductor Sequencing
  - 1.2.6 Others
- 1.3 Global Immune Repertoire Sequencing Market by Application
  - 1.3.1 Global Immune Repertoire Sequencing Market Size and Market Share Comparison by Applications (2013-2023)
  - 1.3.2 Biomarker Discovery
  - 1.3.3 Infectious Diseases
  - 1.3.4 Vaccine Development and Efficacy
  - 1.3.5 Cancer Immunotherapy
  - 1.3.6 Autoimmune Disease
  - 1.3.7 Transplant Rejection and Tolerance
  - 1.3.8 Others
- 1.4 Global Immune Repertoire Sequencing Market by Regions
  - 1.4.1 Global Immune Repertoire Sequencing Market Size (Million USD) Comparison by Regions (2013-2023)
    - 1.4.1 North America (USA, Canada and Mexico) Immune Repertoire Sequencing Status and Prospect (2013-2023)
    - 1.4.2 Europe (Germany, France, UK, Russia and Italy) Immune Repertoire Sequencing Status and Prospect (2013-2023)
    - 1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia) Immune Repertoire Sequencing Status and Prospect (2013-2023)
    - 1.4.4 South America (Brazil, Argentina, Colombia) Immune Repertoire Sequencing Status and Prospect (2013-2023)
    - 1.4.5 Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa) Immune Repertoire Sequencing Status and Prospect (2013-2023)
  - 1.5 Global Market Size of Immune Repertoire Sequencing (2013-2023)

### 2 MANUFACTURERS PROFILES

## 2.1 ArcherDX

### 2.1.1 Business Overview

### 2.1.2 Immune Repertoire Sequencing Type and Applications

#### 2.1.2.1 Product A

#### 2.1.2.2 Product B

### 2.1.3 ArcherDX Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

## 2.2 Junom Therapeutics

### 2.2.1 Business Overview

### 2.2.2 Immune Repertoire Sequencing Type and Applications

#### 2.2.2.1 Product A

#### 2.2.2.2 Product B

### 2.2.3 Junom Therapeutics Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

## 2.3 Roche Holding

### 2.3.1 Business Overview

### 2.3.2 Immune Repertoire Sequencing Type and Applications

#### 2.3.2.1 Product A

#### 2.3.2.2 Product B

### 2.3.3 Roche Holding Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

## 2.4 Illumina

### 2.4.1 Business Overview

### 2.4.2 Immune Repertoire Sequencing Type and Applications

#### 2.4.2.1 Product A

#### 2.4.2.2 Product B

### 2.4.3 Illumina Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

## 2.5 ThermoFisher Scientific

### 2.5.1 Business Overview

### 2.5.2 Immune Repertoire Sequencing Type and Applications

#### 2.5.2.1 Product A

#### 2.5.2.2 Product B

### 2.5.3 ThermoFisher Scientific Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

## 2.6 Pacific Biosciences

### 2.6.1 Business Overview

### 2.6.2 Immune Repertoire Sequencing Type and Applications

2.6.2.1 Product A

2.6.2.2 Product B

2.6.3 Pacific Biosciences Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

2.7 CD Genomics

2.7.1 Business Overview

2.7.2 Immune Repertoire Sequencing Type and Applications

2.7.2.1 Product A

2.7.2.2 Product B

2.7.3 CD Genomics Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

2.8 Atreca

2.8.1 Business Overview

2.8.2 Immune Repertoire Sequencing Type and Applications

2.8.2.1 Product A

2.8.2.2 Product B

2.8.3 Atreca Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

2.9 Adaptive Biotechnologies

2.9.1 Business Overview

2.9.2 Immune Repertoire Sequencing Type and Applications

2.9.2.1 Product A

2.9.2.2 Product B

2.9.3 Adaptive Biotechnologies Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

### **3 GLOBAL IMMUNE REPERTOIRE SEQUENCING MARKET COMPETITION, BY PLAYERS**

3.1 Global Immune Repertoire Sequencing Revenue and Share by Players (2013-2018)

3.2 Market Concentration Rate

3.2.1 Top 5 Immune Repertoire Sequencing Players Market Share

3.2.2 Top 10 Immune Repertoire Sequencing Players Market Share

3.3 Market Competition Trend

### **4 GLOBAL IMMUNE REPERTOIRE SEQUENCING MARKET SIZE BY REGIONS**

4.1 Global Immune Repertoire Sequencing Revenue and Market Share by Regions

4.2 North America Immune Repertoire Sequencing Revenue and Growth Rate

(2013-2018)

4.3 Europe Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

4.4 Asia-Pacific Immune Repertoire Sequencing Revenue and Growth Rate

(2013-2018)

4.5 South America Immune Repertoire Sequencing Revenue and Growth Rate

(2013-2018)

4.6 Middle East and Africa Immune Repertoire Sequencing Revenue and Growth Rate

(2013-2018)

## **5 NORTH AMERICA IMMUNE REPERTOIRE SEQUENCING REVENUE BY COUNTRIES**

5.1 North America Immune Repertoire Sequencing Revenue by Countries (2013-2018)

5.2 USA Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

5.3 Canada Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

5.4 Mexico Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

## **6 EUROPE IMMUNE REPERTOIRE SEQUENCING REVENUE BY COUNTRIES**

6.1 Europe Immune Repertoire Sequencing Revenue by Countries (2013-2018)

6.2 Germany Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

6.3 UK Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

6.4 France Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

6.5 Russia Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

6.6 Italy Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

## **7 ASIA-PACIFIC IMMUNE REPERTOIRE SEQUENCING REVENUE BY COUNTRIES**

7.1 Asia-Pacific Immune Repertoire Sequencing Revenue by Countries (2013-2018)

7.2 China Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

7.3 Japan Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

7.4 Korea Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

7.5 India Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

7.6 Southeast Asia Immune Repertoire Sequencing Revenue and Growth Rate  
(2013-2018)

## **8 SOUTH AMERICA IMMUNE REPERTOIRE SEQUENCING REVENUE BY COUNTRIES**

- 8.1 South America Immune Repertoire Sequencing Revenue by Countries (2013-2018)
- 8.2 Brazil Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)
- 8.3 Argentina Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)
- 8.4 Colombia Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

## **9 MIDDLE EAST AND AFRICA REVENUE IMMUNE REPERTOIRE SEQUENCING BY COUNTRIES**

- 9.1 Middle East and Africa Immune Repertoire Sequencing Revenue by Countries (2013-2018)
- 9.2 Saudi Arabia Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)
- 9.3 UAE Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)
- 9.4 Egypt Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)
- 9.5 Nigeria Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)
- 9.6 South Africa Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

## **10 GLOBAL IMMUNE REPERTOIRE SEQUENCING MARKET SEGMENT BY TYPE**

- 10.1 Global Immune Repertoire Sequencing Revenue and Market Share by Type (2013-2018)
- 10.2 Global Immune Repertoire Sequencing Market Forecast by Type (2018-2023)
- 10.3 Pyro-Sequencing Revenue Growth Rate (2013-2023)
- 10.4 Dye-Terminating Sequencing Revenue Growth Rate (2013-2023)
- 10.5 Semiconductor Sequencing Revenue Growth Rate (2013-2023)
- 10.6 Others Revenue Growth Rate (2013-2023)

## **11 GLOBAL IMMUNE REPERTOIRE SEQUENCING MARKET SEGMENT BY APPLICATION**

- 11.1 Global Immune Repertoire Sequencing Revenue Market Share by Application (2013-2018)
- 11.2 Immune Repertoire Sequencing Market Forecast by Application (2018-2023)
- 11.3 Biomarker Discovery Revenue Growth (2013-2018)
- 11.4 Infectious Diseases Revenue Growth (2013-2018)
- 11.5 Vaccine Development and Efficacy Revenue Growth (2013-2018)
- 11.6 Cancer Immunotherapy Revenue Growth (2013-2018)
- 11.7 Autoimmune Disease Revenue Growth (2013-2018)

11.8 Transplant Rejection and Tolerance Revenue Growth (2013-2018)

11.9 Others Revenue Growth (2013-2018)

## **12 GLOBAL IMMUNE REPERTOIRE SEQUENCING MARKET SIZE FORECAST (2018-2023)**

12.1 Global Immune Repertoire Sequencing Market Size Forecast (2018-2023)

12.2 Global Immune Repertoire Sequencing Market Forecast by Regions (2018-2023)

12.3 North America Immune Repertoire Sequencing Revenue Market Forecast (2018-2023)

12.4 Europe Immune Repertoire Sequencing Revenue Market Forecast (2018-2023)

12.5 Asia-Pacific Immune Repertoire Sequencing Revenue Market Forecast (2018-2023)

12.6 South America Immune Repertoire Sequencing Revenue Market Forecast (2018-2023)

12.7 Middle East and Africa Immune Repertoire Sequencing Revenue Market Forecast (2018-2023)

## **13 RESEARCH FINDINGS AND CONCLUSION**

## **14 APPENDIX**

14.1 Methodology

14.2 Data Source

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Immune Repertoire Sequencing Picture

Table Product Specifications of Immune Repertoire Sequencing

Table Global Immune Repertoire Sequencing and Revenue (Million USD) Market Split by Product Type

Figure Global Immune Repertoire Sequencing Revenue Market Share by Types in 2017

Figure Pyro-Sequencing Picture

Figure Dye-Terminating Sequencing Picture

Figure Semiconductor Sequencing Picture

Figure Others Picture

Table Global Immune Repertoire Sequencing Revenue (Million USD) by Application (2013-2023)

Figure Immune Repertoire Sequencing Revenue Market Share by Applications in 2017

Figure Biomarker Discovery Picture

Figure Infectious Diseases Picture

Figure Vaccine Development and Efficacy Picture

Figure Cancer Immunotherapy Picture

Figure Autoimmune Disease Picture

Figure Transplant Rejection and Tolerance Picture

Figure Others Picture

Table Global Market Immune Repertoire Sequencing Revenue (Million USD) Comparison by Regions 2013-2023

Figure North America Immune Repertoire Sequencing Revenue (Million USD) and Growth Rate (2013-2023)

Figure Europe Immune Repertoire Sequencing Revenue (Million USD) and Growth Rate (2013-2023)

Figure Asia-Pacific Immune Repertoire Sequencing Revenue (Million USD) and Growth Rate (2013-2023)

Figure South America Immune Repertoire Sequencing Revenue (Million USD) and Growth Rate (2013-2023)

Figure Middle East and Africa Immune Repertoire Sequencing Revenue (Million USD) and Growth Rate (2013-2023)

Figure Global Immune Repertoire Sequencing Revenue (Million USD) and Growth Rate (2013-2023)

Table ArcherDX Basic Information, Manufacturing Base and Competitors

Table ArcherDX Immune Repertoire Sequencing Type and Applications

Table ArcherDX Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

Table Junom Therapeutics Basic Information, Manufacturing Base and Competitors

Table Junom Therapeutics Immune Repertoire Sequencing Type and Applications

Table Junom Therapeutics Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

Table Roche Holding Basic Information, Manufacturing Base and Competitors

Table Roche Holding Immune Repertoire Sequencing Type and Applications

Table Roche Holding Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

Table Illumina Basic Information, Manufacturing Base and Competitors

Table Illumina Immune Repertoire Sequencing Type and Applications

Table Illumina Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

Table ThermoFisher Scientific Basic Information, Manufacturing Base and Competitors

Table ThermoFisher Scientific Immune Repertoire Sequencing Type and Applications

Table ThermoFisher Scientific Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

Table Pacific Biosciences Basic Information, Manufacturing Base and Competitors

Table Pacific Biosciences Immune Repertoire Sequencing Type and Applications

Table Pacific Biosciences Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

Table CD Genomics Basic Information, Manufacturing Base and Competitors

Table CD Genomics Immune Repertoire Sequencing Type and Applications

Table CD Genomics Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

Table Atreca Basic Information, Manufacturing Base and Competitors

Table Atreca Immune Repertoire Sequencing Type and Applications

Table Atreca Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

Table Adaptive Biotechnologies Basic Information, Manufacturing Base and Competitors

Table Adaptive Biotechnologies Immune Repertoire Sequencing Type and Applications

Table Adaptive Biotechnologies Immune Repertoire Sequencing Revenue, Gross Margin and Market Share (2016-2017)

Table Global Immune Repertoire Sequencing Revenue (Million USD) by Players (2013-2018)

Table Global Immune Repertoire Sequencing Revenue Share by Players (2013-2018)

Figure Global Immune Repertoire Sequencing Revenue Share by Players in 2016

Figure Global Immune Repertoire Sequencing Revenue Share by Players in 2017

Figure Global Top 5 Players Immune Repertoire Sequencing Revenue Market Share in 2017

Figure Global Top 10 Players Immune Repertoire Sequencing Revenue Market Share in 2017

Figure Global Immune Repertoire Sequencing Revenue (Million USD) and Growth Rate (%) (2013-2018)

Table Global Immune Repertoire Sequencing Revenue (Million USD) by Regions (2013-2018)

Table Global Immune Repertoire Sequencing Revenue Market Share by Regions (2013-2018)

Figure Global Immune Repertoire Sequencing Revenue Market Share by Regions (2013-2018)

Figure Global Immune Repertoire Sequencing Revenue Market Share by Regions in 2017

Figure North America Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure Europe Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure Asia-Pacific Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure South America Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure Middle East and Africa Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Table North America Immune Repertoire Sequencing Revenue by Countries (2013-2018)

Table North America Immune Repertoire Sequencing Revenue Market Share by Countries (2013-2018)

Figure North America Immune Repertoire Sequencing Revenue Market Share by Countries (2013-2018)

Figure North America Immune Repertoire Sequencing Revenue Market Share by Countries in 2017

Figure USA Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure Canada Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure Mexico Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Table Europe Immune Repertoire Sequencing Revenue (Million USD) by Countries (2013-2018)

Figure Europe Immune Repertoire Sequencing Revenue Market Share by Countries (2013-2018)

Figure Europe Immune Repertoire Sequencing Revenue Market Share by Countries in 2017

Figure Germany Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure UK Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure France Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure Russia Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure Italy Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Table Asia-Pacific Immune Repertoire Sequencing Revenue (Million USD) by Countries (2013-2018)

Figure Asia-Pacific Immune Repertoire Sequencing Revenue Market Share by Countries (2013-2018)

Figure Asia-Pacific Immune Repertoire Sequencing Revenue Market Share by Countries in 2017

Figure China Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure Japan Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure Korea Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure India Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure Southeast Asia Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Table South America Immune Repertoire Sequencing Revenue by Countries (2013-2018)

Table South America Immune Repertoire Sequencing Revenue Market Share by Countries (2013-2018)

Figure South America Immune Repertoire Sequencing Revenue Market Share by Countries (2013-2018)

Figure South America Immune Repertoire Sequencing Revenue Market Share by Countries in 2017

Figure Brazil Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure Argentina Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure Colombia Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Table Middle East and Africa Immune Repertoire Sequencing Revenue (Million USD) by Countries (2013-2018)

Table Middle East and Africa Immune Repertoire Sequencing Revenue Market Share by Countries (2013-2018)

Figure Middle East and Africa Immune Repertoire Sequencing Revenue Market Share by Countries (2013-2018)

Figure Middle East and Africa Immune Repertoire Sequencing Revenue Market Share by Countries in 2017

Figure Saudi Arabia Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure UAE Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure Egypt Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure Nigeria Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Figure South Africa Immune Repertoire Sequencing Revenue and Growth Rate (2013-2018)

Table Global Immune Repertoire Sequencing Revenue (Million USD) by Type (2013-2018)

Table Global Immune Repertoire Sequencing Revenue Share by Type (2013-2018)

Figure Global Immune Repertoire Sequencing Revenue Share by Type (2013-2018)

Figure Global Immune Repertoire Sequencing Revenue Share by Type in 2017

Table Global Immune Repertoire Sequencing Revenue Forecast by Type (2018-2023)

Figure Global Immune Repertoire Sequencing Market Share Forecast by Type (2018-2023)

Figure Global Pyro-Sequencing Revenue Growth Rate (2013-2018)

Figure Global Dye-Terminating Sequencing Revenue Growth Rate (2013-2018)

Figure Global Semiconductor Sequencing Revenue Growth Rate (2013-2018)

Figure Global Others Revenue Growth Rate (2013-2018)

Table Global Immune Repertoire Sequencing Revenue by Application (2013-2018)

Table Global Immune Repertoire Sequencing Revenue Share by Application (2013-2018)

Figure Global Immune Repertoire Sequencing Revenue Share by Application (2013-2018)

Figure Global Immune Repertoire Sequencing Revenue Share by Application in 2017

Table Global Immune Repertoire Sequencing Revenue Forecast by Application (2018-2023)

Figure Global Immune Repertoire Sequencing Market Share Forecast by Application (2018-2023)

Figure Global Biomarker Discovery Revenue Growth Rate (2013-2018)

Figure Global Infectious Diseases Revenue Growth Rate (2013-2018)

Figure Global Vaccine Development and Efficacy Revenue Growth Rate (2013-2018)

Figure Global Cancer Immunotherapy Revenue Growth Rate (2013-2018)

Figure Global Autoimmune Disease Revenue Growth Rate (2013-2018)

Figure Global Transplant Rejection and Tolerance Revenue Growth Rate (2013-2018)

Figure Global Others Revenue Growth Rate (2013-2018)

Figure Global Immune Repertoire Sequencing Revenue (Million USD) and Growth Rate

Forecast (2018 -2023)

Table Global Immune Repertoire Sequencing Revenue (Million USD) Forecast by Regions (2018-2023)

Figure Global Immune Repertoire Sequencing Revenue Market Share Forecast by Regions (2018-2023)

Figure North America Immune Repertoire Sequencing Revenue Market Forecast (2018-2023)

Figure Europe Immune Repertoire Sequencing Revenue Market Forecast (2018-2023)

Figure Asia-Pacific Immune Repertoire Sequencing Revenue Market Forecast (2018-2023)

Figure South America Immune Repertoire Sequencing Revenue Market Forecast (2018-2023)

Figure Middle East and Africa Immune Repertoire Sequencing Revenue Market Forecast (2018-2023)

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