

Global Plant Genomics Market Research Report 2025(Status and Outlook)

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Abstracts

Report Overview

Plant genomics refers to the study of the genetic material of plants, including their DNA, genes, and genetic variations. This field involves the sequencing and analysis of plant genomes to understand their genetic makeup, traits, and evolutionary history. By studying plant genomics, researchers can identify genes responsible for desirable traits such as disease resistance, yield improvement, and environmental adaptation. This information is crucial for developing new plant varieties through genetic engineering, breeding programs, and biotechnology. Plant genomics plays a vital role in agriculture, horticulture, and conservation efforts by providing insights into plant biology and facilitating the development of sustainable and resilient crops.

The market for plant genomics is experiencing significant growth driven by several key factors. One of the primary market trends is the increasing demand for high-yielding and stress-tolerant crops to ensure food security in the face of climate change and growing global population. Plant genomics technologies enable researchers to accelerate the breeding process and develop genetically modified crops with enhanced traits. Additionally, advancements in sequencing technologies, bioinformatics tools, and data analytics have made plant genomics more accessible and cost-effective, driving adoption across research institutions, biotech companies, and agricultural organizations. Moreover, there is a growing emphasis on sustainable agriculture practices and environmental conservation, leading to the development of eco-friendly crop varieties through genomics research. Overall, the plant genomics market is poised for continued growth as the need for innovative solutions to address agricultural challenges remains paramount in the modern world.

This report provides a deep insight into the global Plant Genomics market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Plant Genomics Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Plant Genomics market in any manner.

Global Plant Genomics Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Eurofins Scientific?Luxembourg?

Illumina

NRGene

Neogen Corporation

Qiagen

Agilent Technologies

KeyGene

LC Sciences

Traitgenetics GmbH

Novogene Corporation

Oxford Nanopore Technologies

Genewiz

BGI Genomics

Genotypic Technologies

Floragenex

Market Segmentation (by Type)

Molecular Engineering

Genetic Engineering

Others

Market Segmentation (by Application)

Cereals and Grains

Oilseeds and Pulses

Fruits and Vegetables

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Plant Genomics Market

Overview of the regional outlook of the Plant Genomics Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your

competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Plant Genomics Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail,

including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

Contents

Table of Contents

1 Research Methodology and Statistical Scope

1.1 Market Definition and Statistical Scope of Plant Genomics

1.2 Key Market Segments

1.2.1 Plant Genomics Segment by Type

1.2.2 Plant Genomics Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 Plant Genomics Market Overview

2.1 Global Market Overview

2.1.1 Global Plant Genomics Market Size (M USD) Estimates and Forecasts (2020-2033)

2.1.2 Global Plant Genomics Sales Estimates and Forecasts (2020-2033)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 Plant Genomics Market Competitive Landscape

3.1 Company Assessment Quadrant

3.2 Global Plant Genomics Product Life Cycle

3.3 Global Plant Genomics Sales by Manufacturers (2020-2025)

3.4 Global Plant Genomics Revenue Market Share by Manufacturers (2020-2025)

3.5 Plant Genomics Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Plant Genomics Average Price by Manufacturers (2020-2025)

3.7 Manufacturers Plant Genomics Manufacturing Sites, Area Served, Product Type

3.8 Plant Genomics Market Competitive Situation and Trends

3.8.1 Plant Genomics Market Concentration Rate

3.8.2 Global 5 and 10 Largest Plant Genomics Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 Plant Genomics Industry Chain Analysis

4.1 Plant Genomics Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 The Development and Dynamics of Plant Genomics Market

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global Plant Genomics Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 Global Trade Frictions and Their Impacts to Plant Genomics Market
- 5.7 ESG Ratings of Leading Companies
- 6 Plant Genomics Market Segmentation by Type
 - 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
 - 6.2 Global Plant Genomics Sales Market Share by Type (2020-2025)
 - 6.3 Global Plant Genomics Market Size Market Share by Type (2020-2025)
 - 6.4 Global Plant Genomics Price by Type (2020-2025)
- 7 Plant Genomics Market Segmentation by Application
 - 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
 - 7.2 Global Plant Genomics Market Sales by Application (2020-2025)
 - 7.3 Global Plant Genomics Market Size (M USD) by Application (2020-2025)
 - 7.4 Global Plant Genomics Sales Growth Rate by Application (2020-2025)
- 8 Plant Genomics Market Sales by Region
 - 8.1 Global Plant Genomics Sales by Region
 - 8.1.1 Global Plant Genomics Sales by Region
 - 8.1.2 Global Plant Genomics Sales Market Share by Region
 - 8.2 Global Plant Genomics Market Size by Region
 - 8.2.1 Global Plant Genomics Market Size by Region
 - 8.2.2 Global Plant Genomics Market Size Market Share by Region
 - 8.3 North America
 - 8.3.1 North America Plant Genomics Sales by Country
 - 8.3.2 North America Plant Genomics Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe Plant Genomics Sales by Country

8.4.2 Europe Plant Genomics Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific Plant Genomics Sales by Region

8.5.2 Asia Pacific Plant Genomics Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America Plant Genomics Sales by Country

8.6.2 South America Plant Genomics Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa Plant Genomics Sales by Region

8.7.2 Middle East and Africa Plant Genomics Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 Plant Genomics Market Production by Region

9.1 Global Production of Plant Genomics by Region(2020-2025)

9.2 Global Plant Genomics Revenue Market Share by Region (2020-2025)

9.3 Global Plant Genomics Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Plant Genomics Production

9.4.1 North America Plant Genomics Production Growth Rate (2020-2025)

9.4.2 North America Plant Genomics Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Plant Genomics Production

9.5.1 Europe Plant Genomics Production Growth Rate (2020-2025)

9.5.2 Europe Plant Genomics Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Plant Genomics Production (2020-2025)

9.6.1 Japan Plant Genomics Production Growth Rate (2020-2025)

9.6.2 Japan Plant Genomics Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Plant Genomics Production (2020-2025)

9.7.1 China Plant Genomics Production Growth Rate (2020-2025)

9.7.2 China Plant Genomics Production, Revenue, Price and Gross Margin (2020-2025)

10 Key Companies Profile

10.1 Eurofins Scientific?Luxembourg?

10.1.1 Eurofins Scientific?Luxembourg? Basic Information

10.1.2 Eurofins Scientific?Luxembourg? Plant Genomics Product Overview

10.1.3 Eurofins Scientific?Luxembourg? Plant Genomics Product Market Performance

10.1.4 Eurofins Scientific?Luxembourg? Business Overview

10.1.5 Eurofins Scientific?Luxembourg? SWOT Analysis

10.1.6 Eurofins Scientific?Luxembourg? Recent Developments

10.2 Illumina

10.2.1 Illumina Basic Information

10.2.2 Illumina Plant Genomics Product Overview

10.2.3 Illumina Plant Genomics Product Market Performance

10.2.4 Illumina Business Overview

10.2.5 Illumina SWOT Analysis

10.2.6 Illumina Recent Developments

10.3 NRGene

10.3.1 NRGene Basic Information

10.3.2 NRGene Plant Genomics Product Overview

10.3.3 NRGene Plant Genomics Product Market Performance

10.3.4 NRGene Business Overview

10.3.5 NRGene SWOT Analysis

10.3.6 NRGene Recent Developments

10.4 Neogen Corporation

10.4.1 Neogen Corporation Basic Information

10.4.2 Neogen Corporation Plant Genomics Product Overview

10.4.3 Neogen Corporation Plant Genomics Product Market Performance

10.4.4 Neogen Corporation Business Overview

10.4.5 Neogen Corporation Recent Developments

10.5 Qiagen

- 10.5.1 Qiagen Basic Information
- 10.5.2 Qiagen Plant Genomics Product Overview
- 10.5.3 Qiagen Plant Genomics Product Market Performance
- 10.5.4 Qiagen Business Overview
- 10.5.5 Qiagen Recent Developments
- 10.6 Agilent Technologies
 - 10.6.1 Agilent Technologies Basic Information
 - 10.6.2 Agilent Technologies Plant Genomics Product Overview
 - 10.6.3 Agilent Technologies Plant Genomics Product Market Performance
 - 10.6.4 Agilent Technologies Business Overview
 - 10.6.5 Agilent Technologies Recent Developments
- 10.7 KeyGene
 - 10.7.1 KeyGene Basic Information
 - 10.7.2 KeyGene Plant Genomics Product Overview
 - 10.7.3 KeyGene Plant Genomics Product Market Performance
 - 10.7.4 KeyGene Business Overview
 - 10.7.5 KeyGene Recent Developments
- 10.8 LC Sciences
 - 10.8.1 LC Sciences Basic Information
 - 10.8.2 LC Sciences Plant Genomics Product Overview
 - 10.8.3 LC Sciences Plant Genomics Product Market Performance
 - 10.8.4 LC Sciences Business Overview
 - 10.8.5 LC Sciences Recent Developments
- 10.9 Traitgenetics GmbH
 - 10.9.1 Traitgenetics GmbH Basic Information
 - 10.9.2 Traitgenetics GmbH Plant Genomics Product Overview
 - 10.9.3 Traitgenetics GmbH Plant Genomics Product Market Performance
 - 10.9.4 Traitgenetics GmbH Business Overview
 - 10.9.5 Traitgenetics GmbH Recent Developments
- 10.10 Novogene Corporation
 - 10.10.1 Novogene Corporation Basic Information
 - 10.10.2 Novogene Corporation Plant Genomics Product Overview
 - 10.10.3 Novogene Corporation Plant Genomics Product Market Performance
 - 10.10.4 Novogene Corporation Business Overview
 - 10.10.5 Novogene Corporation Recent Developments
- 10.11 Oxford Nanopore Technologies
 - 10.11.1 Oxford Nanopore Technologies Basic Information
 - 10.11.2 Oxford Nanopore Technologies Plant Genomics Product Overview
 - 10.11.3 Oxford Nanopore Technologies Plant Genomics Product Market Performance

- 10.11.4 Oxford Nanopore Technologies Business Overview
- 10.11.5 Oxford Nanopore Technologies Recent Developments
- 10.12 Genewiz
 - 10.12.1 Genewiz Basic Information
 - 10.12.2 Genewiz Plant Genomics Product Overview
 - 10.12.3 Genewiz Plant Genomics Product Market Performance
 - 10.12.4 Genewiz Business Overview
 - 10.12.5 Genewiz Recent Developments
- 10.13 BGI Genomics
 - 10.13.1 BGI Genomics Basic Information
 - 10.13.2 BGI Genomics Plant Genomics Product Overview
 - 10.13.3 BGI Genomics Plant Genomics Product Market Performance
 - 10.13.4 BGI Genomics Business Overview
 - 10.13.5 BGI Genomics Recent Developments
- 10.14 Genotypic Technologies
 - 10.14.1 Genotypic Technologies Basic Information
 - 10.14.2 Genotypic Technologies Plant Genomics Product Overview
 - 10.14.3 Genotypic Technologies Plant Genomics Product Market Performance
 - 10.14.4 Genotypic Technologies Business Overview
 - 10.14.5 Genotypic Technologies Recent Developments
- 10.15 Floragenex
 - 10.15.1 Floragenex Basic Information
 - 10.15.2 Floragenex Plant Genomics Product Overview
 - 10.15.3 Floragenex Plant Genomics Product Market Performance
 - 10.15.4 Floragenex Business Overview
 - 10.15.5 Floragenex Recent Developments
- 11 Plant Genomics Market Forecast by Region
 - 11.1 Global Plant Genomics Market Size Forecast
 - 11.2 Global Plant Genomics Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe Plant Genomics Market Size Forecast by Country
 - 11.2.3 Asia Pacific Plant Genomics Market Size Forecast by Region
 - 11.2.4 South America Plant Genomics Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Sales of Plant Genomics by Country
- 12 Forecast Market by Type and by Application (2026-2033)
 - 12.1 Global Plant Genomics Market Forecast by Type (2026-2033)
 - 12.1.1 Global Forecasted Sales of Plant Genomics by Type (2026-2033)
 - 12.1.2 Global Plant Genomics Market Size Forecast by Type (2026-2033)
 - 12.1.3 Global Forecasted Price of Plant Genomics by Type (2026-2033)

12.2 Global Plant Genomics Market Forecast by Application (2026-2033)

12.2.1 Global Plant Genomics Sales (K MT) Forecast by Application

12.2.2 Global Plant Genomics Market Size (M USD) Forecast by Application (2026-2033)

13 Conclusion and Key FindingsList of Tables

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. Plant Genomics Market Size Comparison by Region (M USD)

Table 5. Global Plant Genomics Sales (K MT) by Manufacturers (2020-2025)

Table 6. Global Plant Genomics Sales Market Share by Manufacturers (2020-2025)

Table 7. Global Plant Genomics Revenue (M USD) by Manufacturers (2020-2025)

Table 8. Global Plant Genomics Revenue Share by Manufacturers (2020-2025)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Plant Genomics as of 2024)

Table 10. Global Market Plant Genomics Average Price (USD/MT) of Key Manufacturers (2020-2025)

Table 11. Manufacturers Plant Genomics Manufacturing Sites and Area Served

Table 12. Manufacturers Plant Genomics Product Type

Table 13. Global Plant Genomics Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Market Overview of Key Raw Materials

Table 16. Midstream Market Analysis

Table 17. Downstream Customer Analysis

Table 18. Key Development Trends

Table 19. Driving Factors

Table 20. Plant Genomics Market Challenges

Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 24. Global Plant Genomics Sales by Type (K MT)

Table 25. Global Plant Genomics Market Size by Type (M USD)

Table 26. Global Plant Genomics Sales (K MT) by Type (2020-2025)

Table 27. Global Plant Genomics Sales Market Share by Type (2020-2025)

Table 28. Global Plant Genomics Market Size (M USD) by Type (2020-2025)

Table 29. Global Plant Genomics Market Size Share by Type (2020-2025)

Table 30. Global Plant Genomics Price (USD/MT) by Type (2020-2025)

Table 31. Global Plant Genomics Sales (K MT) by Application

Table 32. Global Plant Genomics Market Size by Application
Table 33. Global Plant Genomics Sales by Application (2020-2025) & (K MT)
Table 34. Global Plant Genomics Sales Market Share by Application (2020-2025)
Table 35. Global Plant Genomics Market Size by Application (2020-2025) & (M USD)
Table 36. Global Plant Genomics Market Share by Application (2020-2025)
Table 37. Global Plant Genomics Sales Growth Rate by Application (2020-2025)
Table 38. Global Plant Genomics Sales by Region (2020-2025) & (K MT)
Table 39. Global Plant Genomics Sales Market Share by Region (2020-2025)
Table 40. Global Plant Genomics Market Size by Region (2020-2025) & (M USD)
Table 41. Global Plant Genomics Market Size Market Share by Region (2020-2025)
Table 42. North America Plant Genomics Sales by Country (2020-2025) & (K MT)
Table 43. North America Plant Genomics Market Size by Country (2020-2025) & (M USD)
Table 44. Europe Plant Genomics Sales by Country (2020-2025) & (K MT)
Table 45. Europe Plant Genomics Market Size by Country (2020-2025) & (M USD)
Table 46. Asia Pacific Plant Genomics Sales by Region (2020-2025) & (K MT)
Table 47. Asia Pacific Plant Genomics Market Size by Region (2020-2025) & (M USD)
Table 48. South America Plant Genomics Sales by Country (2020-2025) & (K MT)
Table 49. South America Plant Genomics Market Size by Country (2020-2025) & (M USD)
Table 50. Middle East and Africa Plant Genomics Sales by Region (2020-2025) & (K MT)
Table 51. Middle East and Africa Plant Genomics Market Size by Region (2020-2025) & (M USD)
Table 52. Global Plant Genomics Production (K MT) by Region(2020-2025)
Table 53. Global Plant Genomics Revenue (US\$ Million) by Region (2020-2025)
Table 54. Global Plant Genomics Revenue Market Share by Region (2020-2025)
Table 55. Global Plant Genomics Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)
Table 56. North America Plant Genomics Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)
Table 57. Europe Plant Genomics Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)
Table 58. Japan Plant Genomics Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)
Table 59. China Plant Genomics Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)
Table 60. Eurofins Scientific?Luxembourg? Basic Information
Table 61. Eurofins Scientific?Luxembourg? Plant Genomics Product Overview

Table 62. Eurofins Scientific?Luxembourg? Plant Genomics Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 63. Eurofins Scientific?Luxembourg? Business Overview
Table 64. Eurofins Scientific?Luxembourg? SWOT Analysis
Table 65. Eurofins Scientific?Luxembourg? Recent Developments
Table 66. Illumina Basic Information
Table 67. Illumina Plant Genomics Product Overview
Table 68. Illumina Plant Genomics Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 69. Illumina Business Overview
Table 70. Illumina SWOT Analysis
Table 71. Illumina Recent Developments
Table 72. NRGene Basic Information
Table 73. NRGene Plant Genomics Product Overview
Table 74. NRGene Plant Genomics Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 75. NRGene Business Overview
Table 76. NRGene SWOT Analysis
Table 77. NRGene Recent Developments
Table 78. Neogen Corporation Basic Information
Table 79. Neogen Corporation Plant Genomics Product Overview
Table 80. Neogen Corporation Plant Genomics Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 81. Neogen Corporation Business Overview
Table 82. Neogen Corporation Recent Developments
Table 83. Qiagen Basic Information
Table 84. Qiagen Plant Genomics Product Overview
Table 85. Qiagen Plant Genomics Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 86. Qiagen Business Overview
Table 87. Qiagen Recent Developments
Table 88. Agilent Technologies Basic Information
Table 89. Agilent Technologies Plant Genomics Product Overview
Table 90. Agilent Technologies Plant Genomics Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 91. Agilent Technologies Business Overview
Table 92. Agilent Technologies Recent Developments
Table 93. KeyGene Basic Information
Table 94. KeyGene Plant Genomics Product Overview

Table 95. KeyGene Plant Genomics Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 96. KeyGene Business Overview
Table 97. KeyGene Recent Developments
Table 98. LC Sciences Basic Information
Table 99. LC Sciences Plant Genomics Product Overview
Table 100. LC Sciences Plant Genomics Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 101. LC Sciences Business Overview
Table 102. LC Sciences Recent Developments
Table 103. Traitgenetics GmbH Basic Information
Table 104. Traitgenetics GmbH Plant Genomics Product Overview
Table 105. Traitgenetics GmbH Plant Genomics Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 106. Traitgenetics GmbH Business Overview
Table 107. Traitgenetics GmbH Recent Developments
Table 108. Novogene Corporation Basic Information
Table 109. Novogene Corporation Plant Genomics Product Overview
Table 110. Novogene Corporation Plant Genomics Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 111. Novogene Corporation Business Overview
Table 112. Novogene Corporation Recent Developments
Table 113. Oxford Nanopore Technologies Basic Information
Table 114. Oxford Nanopore Technologies Plant Genomics Product Overview
Table 115. Oxford Nanopore Technologies Plant Genomics Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 116. Oxford Nanopore Technologies Business Overview
Table 117. Oxford Nanopore Technologies Recent Developments
Table 118. Genewiz Basic Information
Table 119. Genewiz Plant Genomics Product Overview
Table 120. Genewiz Plant Genomics Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 121. Genewiz Business Overview
Table 122. Genewiz Recent Developments
Table 123. BGI Genomics Basic Information
Table 124. BGI Genomics Plant Genomics Product Overview
Table 125. BGI Genomics Plant Genomics Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 126. BGI Genomics Business Overview

Table 127. BGI Genomics Recent Developments
Table 128. Genotypic Technologies Basic Information
Table 129. Genotypic Technologies Plant Genomics Product Overview
Table 130. Genotypic Technologies Plant Genomics Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 131. Genotypic Technologies Business Overview
Table 132. Genotypic Technologies Recent Developments
Table 133. Floragenex Basic Information
Table 134. Floragenex Plant Genomics Product Overview
Table 135. Floragenex Plant Genomics Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 136. Floragenex Business Overview
Table 137. Floragenex Recent Developments
Table 138. Global Plant Genomics Sales Forecast by Region (2026-2033) & (K MT)
Table 139. Global Plant Genomics Market Size Forecast by Region (2026-2033) & (M USD)
Table 140. North America Plant Genomics Sales Forecast by Country (2026-2033) & (K MT)
Table 141. North America Plant Genomics Market Size Forecast by Country (2026-2033) & (M USD)
Table 142. Europe Plant Genomics Sales Forecast by Country (2026-2033) & (K MT)
Table 143. Europe Plant Genomics Market Size Forecast by Country (2026-2033) & (M USD)
Table 144. Asia Pacific Plant Genomics Sales Forecast by Region (2026-2033) & (K MT)
Table 145. Asia Pacific Plant Genomics Market Size Forecast by Region (2026-2033) & (M USD)
Table 146. South America Plant Genomics Sales Forecast by Country (2026-2033) & (K MT)
Table 147. South America Plant Genomics Market Size Forecast by Country (2026-2033) & (M USD)
Table 148. Middle East and Africa Plant Genomics Sales Forecast by Country (2026-2033) & (Units)
Table 149. Middle East and Africa Plant Genomics Market Size Forecast by Country (2026-2033) & (M USD)
Table 150. Global Plant Genomics Sales Forecast by Type (2026-2033) & (K MT)
Table 151. Global Plant Genomics Market Size Forecast by Type (2026-2033) & (M USD)
Table 152. Global Plant Genomics Price Forecast by Type (2026-2033) & (USD/MT)

Table 153. Global Plant Genomics Sales (K MT) Forecast by Application (2026-2033)

Table 154. Global Plant Genomics Market Size Forecast by Application (2026-2033) & (M USD)

List of Figures

Figure 1. Product Picture of Plant Genomics

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Plant Genomics Market Size (M USD), 2024-2033

Figure 5. Global Plant Genomics Market Size (M USD) (2020-2033)

Figure 6. Global Plant Genomics Sales (K MT) & (2020-2033)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. Plant Genomics Market Size by Country (M USD)

Figure 11. Company Assessment Quadrant

Figure 12. Global Plant Genomics Product Life Cycle

Figure 13. Plant Genomics Sales Share by Manufacturers in 2024

Figure 14. Global Plant Genomics Revenue Share by Manufacturers in 2024

Figure 15. Plant Genomics Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024

Figure 16. Global Market Plant Genomics Average Price (USD/MT) of Key Manufacturers in 2024

Figure 17. The Global 5 and 10 Largest Players: Market Share by Plant Genomics Revenue in 2024

Figure 18. Industry Chain Map of Plant Genomics

Figure 19. Global Plant Genomics Market PEST Analysis

Figure 20. Global Plant Genomics Market Porter's Five Forces Analysis

Figure 21. Global Merchandise Trade as a Percentage Of GDP

Figure 22. US - Imports of Goods by Country

Figure 23. China Exports by Country

Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers

Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 26. Global Plant Genomics Market Share by Type

Figure 27. Sales Market Share of Plant Genomics by Type (2020-2025)

Figure 28. Sales Market Share of Plant Genomics by Type in 2024

Figure 29. Market Size Share of Plant Genomics by Type (2020-2025)

Figure 30. Market Size Share of Plant Genomics by Type in 2024

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Plant Genomics Market Share by Application

- Figure 33. Global Plant Genomics Sales Market Share by Application (2020-2025)
- Figure 34. Global Plant Genomics Sales Market Share by Application in 2024
- Figure 35. Global Plant Genomics Market Share by Application (2020-2025)
- Figure 36. Global Plant Genomics Market Share by Application in 2024
- Figure 37. Global Plant Genomics Sales Growth Rate by Application (2020-2025)
- Figure 38. Global Plant Genomics Sales Market Share by Region (2020-2025)
- Figure 39. Global Plant Genomics Market Size Market Share by Region (2020-2025)
- Figure 40. North America Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 41. North America Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 42. North America Plant Genomics Sales Market Share by Country in 2024
- Figure 43. North America Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America Plant Genomics Market Size Market Share by Country in 2024
- Figure 45. U.S. Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 46. U.S. Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada Plant Genomics Sales (K MT) and Growth Rate (2020-2025)
- Figure 48. Canada Plant Genomics Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico Plant Genomics Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico Plant Genomics Market Size (Units) and Growth Rate (2020-2025)
- Figure 51. Europe Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 52. Europe Plant Genomics Sales Market Share by Country in 2024
- Figure 53. Europe Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 54. Europe Plant Genomics Market Size Market Share by Country in 2024
- Figure 55. Germany Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 56. Germany Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 57. France Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 58. France Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 59. U.K. Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 60. U.K. Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 61. Italy Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 62. Italy Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 63. Spain Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 64. Spain Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)

- Figure 65. Asia Pacific Plant Genomics Sales and Growth Rate (K MT)
- Figure 66. Asia Pacific Plant Genomics Sales Market Share by Region in 2024
- Figure 67. Asia Pacific Plant Genomics Market Size Market Share by Region in 2024
- Figure 68. China Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 69. China Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 70. Japan Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 71. Japan Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 72. South Korea Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 73. South Korea Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 74. India Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 75. India Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 76. Southeast Asia Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 77. Southeast Asia Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 78. South America Plant Genomics Sales and Growth Rate (K MT)
- Figure 79. South America Plant Genomics Sales Market Share by Country in 2024
- Figure 80. South America Plant Genomics Market Size and Growth Rate (M USD)
- Figure 81. South America Plant Genomics Market Size Market Share by Country in 2024
- Figure 82. Brazil Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 83. Brazil Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 84. Argentina Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 85. Argentina Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 86. Columbia Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 87. Columbia Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 88. Middle East and Africa Plant Genomics Sales and Growth Rate (K MT)
- Figure 89. Middle East and Africa Plant Genomics Sales Market Share by Region in 2024
- Figure 90. Middle East and Africa Plant Genomics Market Size and Growth Rate (M USD)
- Figure 91. Middle East and Africa Plant Genomics Market Size Market Share by Region in 2024
- Figure 92. Saudi Arabia Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)
- Figure 93. Saudi Arabia Plant Genomics Market Size and Growth Rate (2020-2025) &

(M USD)

Figure 94. UAE Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)

Figure 95. UAE Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Plant Genomics Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa Plant Genomics Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Plant Genomics Production Market Share by Region (2020-2025)

Figure 103. North America Plant Genomics Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe Plant Genomics Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan Plant Genomics Production (K MT) Growth Rate (2020-2025)

Figure 106. China Plant Genomics Production (K MT) Growth Rate (2020-2025)

Figure 107. Global Plant Genomics Sales Forecast by Volume (2020-2033) & (K MT)

Figure 108. Global Plant Genomics Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global Plant Genomics Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global Plant Genomics Market Share Forecast by Type (2026-2033)

Figure 111. Global Plant Genomics Sales Forecast by Application (2026-2033)

Figure 112. Global Plant Genomics Market Share Forecast by Application (2026-2033)

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