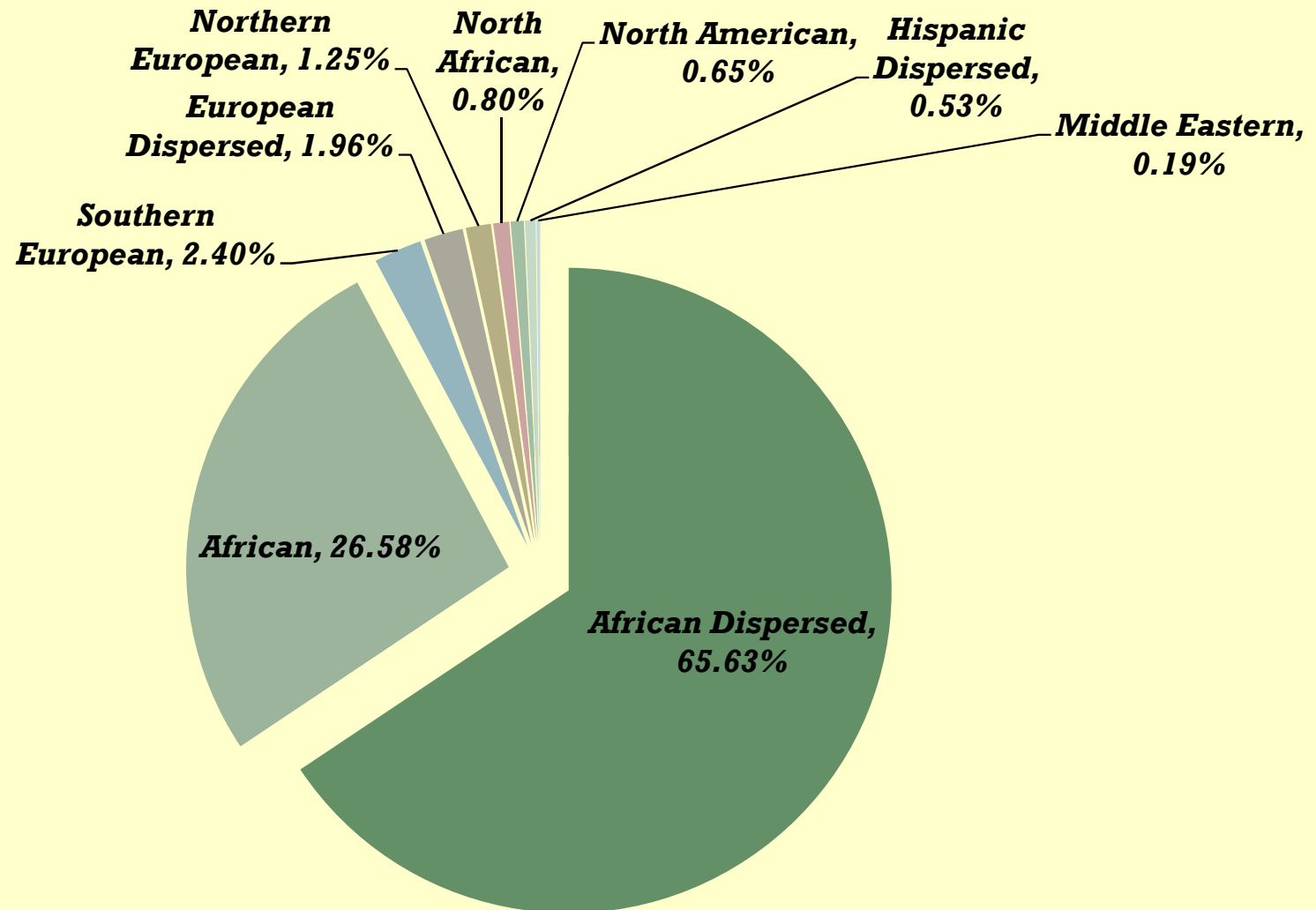


# SAMPLE



GENETIC BREAKDOWN BY PERCENT

# Region Definitions: Genetic Breakdown by Percent

## SAMPLE REPORT

|                    |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AFRICAN            | 26.58% | Ancestral Origins region "Africa" refers to Sub-Saharan Africa, and is, geographically, the area of the continent of Africa that lies south of the Sahara. It consists of all African countries that are fully or partially located south of the Sahara. It contrasts with North Africa, whose territories are part of the League of Arab states within the Arab world. Somalia, Djibouti, Comoros and Mauritania are geographically in Sub-Saharan Africa, but are likewise Arab states and part of the Arab world. |
| AFRICAN DISPERSED  | 65.63% | Ancestral Origins region "African Dispersed" refers to mainly African Americans (also referred to as Black Americans or Afro-Americans) and represents an ethnic group of Americans with total or partial ancestry from any of the black racial groups of Africa. The term may also be used to include only those individuals who are descended from enslaved Africans.                                                                                                                                              |
| ASIAN DISPERSED    |        | Ancestral Origins region "Asian Dispersed" represents migration of peoples from the East Asian and South Asian regions to the North American regions.                                                                                                                                                                                                                                                                                                                                                                |
| CENTRAL AMERICAN   |        | Ancestral Origins region "Central American" is the southernmost, isthmian portion of the North American continent, which connects with the South American continent on the southeast. Central America ranges from Mexico to the north, Panama to the southeast, the Caribbean Sea to the east, and the Pacific Ocean to the west. Central America consists of seven countries: Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, and Panama.                                                          |
| EAST ASIAN         |        | Ancestral Origins region "East Asian" is the eastern sub region of the Asian continent, which can be defined in either geographical or ethno-cultural terms. Geographically and geopolitically, it includes China (including Hong Kong and Macau), Mongolia, Korea (North and South), Japan and Taiwan.                                                                                                                                                                                                              |
| EUROPEAN DISPERSED | 1.96%  | Ancestral Origins region "European Dispersed" represents migration of peoples from the Northern and Southern European regions to the North American regions as well as migrants to Oceanic regions of Australia and New Zealand.                                                                                                                                                                                                                                                                                     |
| HISPANIC DISPERSED | 0.53%  | Ancestral Origins region "Hispanic Dispersed" represents migration of peoples from the Central and South American regions to the North American regions.                                                                                                                                                                                                                                                                                                                                                             |

MIDDLE EASTERN

0.19%

Ancestral Origins region "Middle Eastern" is a transcontinental region centered on Western Asia and Egypt in North Africa consisting of mainly Arabs, Turks, Persians, Kurds, and Azeris (excluding Republic of Azerbaijan). Minorities of the Middle East include Jews, Assyrians and other Arameans, Baloch, Berbers, Coptic Christians, Druze, Lurs, Mandaean, Samaritans, Shabaks, Tats, and Zazas. Among other migrant populations are Bengalis as well as other Indians, Chinese, Filipinos, Indonesians, Pakistanis, and Sub-Saharan Africans.

NORTH AFRICAN

0.80%

Ancestral Origins region "North African" is a group of Mediterranean countries situated in the northern-most region of the African continent. It is defined as stretching from the Atlantic shores of Morocco in the west, to the Suez Canal and the Red Sea in the east.

NORTH AMERICAN

0.65%

Ancestral Origins region "North American" is a continent entirely within the Northern Hemisphere and almost all within the Western Hemisphere. It can also be considered a northern subcontinent of the Americas. It is bordered to the north by the Arctic Ocean, to the east by the Atlantic Ocean, to the west and south by the Pacific Ocean, and to the southeast by Central America and the Caribbean Sea. It consists of Canada and the United States and many other independent states, including islands (most notably the Caribbean).

NORTHERN EUROPEAN

1.25%

Ancestral Origins region "Northern European" is the northern part or region of Europe. It consists of European areas north of the Alpine region including (but not limited to) Iceland, the Republic of Ireland, the Isle of Man, the United Kingdom, the Faroe Islands, the Netherlands, Germany, Denmark, Norway, Sweden, Finland, Estonia, Latvia, Lithuania, Belarus and northwest Russia.

OCEANIC

Ancestral Origins region "Oceanic" is comprised mainly of Australia, New Zealand and the Pacific islands. Its three distinct sub regions are Melanesia, Micronesia, and Polynesia. The islands at the geographic extremes of Oceania are Bonin Islands, a politically integral part of Japan and Easter Island, belonging to Chile.

SOUTH AMERICAN

Ancestral Origins region "South American" is a located in the western hemisphere, mostly in the southern hemisphere, with a relatively small portion in the northern hemisphere. It is bordered on the west by the Pacific Ocean and on the north and east by the Atlantic Ocean; North America and the Caribbean Sea lie to the northwest. It includes twelve sovereign states (Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Guyana, Paraguay, Peru, Suriname, Uruguay, and Venezuela), a part of France (French Guiana), and a non-sovereign area (the Falkland Islands, a British Overseas Territory though this is disputed by Argentina).

SOUTH ASIAN

Ancestral Origins region "South Asian" is a term used to represent the southern region of the Asian continent, which comprises the sub-Himalayan SAARC countries and, adjoining countries to the west and east. Topographically, it is dominated by the Indian Plate, which rises above sea level as Nepal and northern parts of India situated south of the Himalayas and the Hindu Kush. South Asia is bounded on the south by the Indian Ocean and on land (clockwise, from west) by West Asia, Central Asia, East Asia, and Southeast Asia.

SOUTHERN EUROPEAN

2.40%

Ancestral Origins region "Southern European" is the southern region of the European continent. Most definitions of Southern Europe, also known as Mediterranean Europe, include the countries of the Iberian peninsula (Spain and Portugal), the Italian peninsula, Greece and Malta. The definition includes the entirety of Southeast Europe or the Balkan countries of Southeast Europe.

## DATABASE MATCHES BY REGION

The following list of population databases indicate the closest matches to your unique DNA profile within each region.

AFRICAN DISPERSED

African - Dispersed (Jamaica), African American - Dispersed (USA), African American - Virginia (USA), African American - New York (USA), African American - California (USA), African American - Illinois (USA), African American - Alabama (USA), African American - Minnesota (USA), African American - Indiana (USA)

AFRICAN

African - Guinean-Bissau, African - Angolan

SOUTHERN EUROPEAN

Madeira Archipelago, Portugese

EUROPEAN DISPERSED

Caucasian - Dispersed (USA)

NORTHERN EUROPEAN

German - Bavarian

NORTH AFRICAN

North African - Spanish

NORTH AMERICAN

Native American - Lumbee (USA)

HISPANIC DISPERSED

Hispanic - New York (USA)

MIDDLE EASTERN

Yemenites