Heredity / Relatedness Testing Informed Consent

Whole Genome Sequencing (WGS) and Saphyr Optical Mapping (SOM) Informed Consent

Because results of heredity testing have important implications for the individual(s) tested as well as their families, we recommend that you read the following information carefully.

About the tests:
Praxis Genomics offers the most comprehensive heredity testing currently available anywhere in the world. We use Saphyr Optical Mapping (SOM) and/or Whole Genome Sequencing (WGS) to analyze the customers' genetic composition at a previously unavailable resolution. These tests are designed to detect rare, family or clan specific variants that are not screened for and cannot be identified by other currently available heredity testing methods. SOM focuses on detecting structural variants in the genome, such as deletions, insertions, inversions, translocations and repeat expansions. Whole Genome Sequencing (WGS) is primarily used for detection of small variants, such as single nucleotide variants (SNVs) or small insertions and deletions (indels) less than 50bp long. Both nuclear and mitochondrial DNA is analyzed by this method.

Sample requirements:
Both SOM and WGS are performed on 3 ml of blood each.

Who should get tested?
Anybody interested in their genetic origins or the level of relatedness with certain individuals.

What kind of results are reported?
For Heredity Testing we will report the Mitochondrial and Y chromosome haplogroup to which the person belongs. For Relatedness Testing, we will report the degree of relatedness between two individuals based on the percentage of rare variants that they share.

Who will have access to the results?
Test results are maintained electronically by the laboratory. The results are provided to the ordering individual.

How long are Heredity / Relatedness Testing results kept in the testing lab?
The laboratory may keep the identified raw data in the lab indefinitely. This helps us improve our analytic capabilities. To advance the understanding of the human genome and human evolution, your results might be analyzed and published in scientific articles in a de-identified manner consistent with HIPAA guidelines.

What will happen to my DNA sample?
No additional tests will be performed on these samples, without specific, signed authorization by the individual(s) tested. However, the samples will be kept indefinitely for possible additional testing unless you instruct us to destroy the samples. In this case the samples will be destroyed within 60 days from the test order date.

What are the risks of testing?

1. Heredity / Relatedness Testing may identify unexpected genetic origins and degrees of relatedness between individuals both for you and your family.

2. Although Heredity / Relatedness Testing is highly accurate, handling and laboratory errors can happen, though are highly unlikely.

Heredity / Relatedness Testing Informed Consent

_____
Initial

I agree that my heredity testing data may be stored indefinitely.

_____
Initial

I agree that my heredity testing data may be used for scientific contributions in a de-identified manner.

_____
Initial

I agree that my sample may be kept beyond 60 days for future testing or research participation. I understand that my sample may be used for quality control purposes. I understand that there is no guarantee of availability for my sample beyond 60 days.

Consent for Heredity / Relatedness Testing

I understand this testing is voluntary, and I consent to Heredity Testing and/or Relatedness Testing being performed on my sample.

_____
Individual Signature

_____
Individual Printed Name

_____
Date of Birth

_____
Signature Date