Veritas
The Genome Company

Veritas myGenome Informed Consent Form

I understand that:

1. Test Purpose:

I acknowledge that Veritas Genetics (Veritas) will perform the Veritas myGenome test, which utilizes whole genome sequencing (WGS) analysis and interpretation on my genetic material (termed DNA). This test will sequence or "read" my DNA, and variants (changes) in my genetic material will be identified (see Limitations in Section 2). Genetic testing seeks to make correlations between genetic variants in an individual's DNA and the presence of, or risk for, a variety of diseases and traits. These genetic variants may positively or negatively contribute to one's health, or they may have no impact at all.

I understand that Veritas myGenome is a screening test for healthy individuals. It should not be used to diagnose a known or suspected heritable disease in myself or my family. If I have concerns about a disease in myself and/or my family, I am aware that I should discuss appropriate medical and/or genetic testing options with my healthcare provider.

2. Whole Genome Sequencing Information & Limitations:

- Whole Genome Sequencing is the process of determining my complete DNA sequence. This process involves looking at both the coding and non-coding regions of my DNA, subject to the limitations described below.
- The Veritas myGenome test utilizes next generation sequencing technology to sequence my DNA. The data generated from this process is analyzed. Those genetic variants meeting Veritas-specific criteria and included in the test's interpretative product region are evaluated to determine their impact to health. Details of the analysis process are available upon request.
- I understand that, due to limits of current technology, there are regions of the genome that are not accessible by sequencing and that certain kinds of variants cannot be detected by the Veritas myGenome test. These variants include repeat expansions, certain inversions and deletions, translocations, and large structural rearrangements, which are responsible for some genetic diseases. In addition, the technology utilized may be unable to determine whether variants are located on the same or opposite chromosomes.
- Veritas Genetics is a CLIA certified laboratory, but there is always the small chance an error may occur in any laboratory performing complex screening or testing.

3. Interpretation and Reporting Limitations:

- Identified variants are evaluated based on published guidelines from the American College of Medical Genetics and Genomics (ACMG) (PMID: 25741868).
- I understand that interpretation for a limited subset of genes is included in the myGenome report. Gene lists for the myGenome report can be found at www.veritasgenetics.com/myGenome/technical.
- Veritas Genetics is only interpreting variants that are present in public databases (e.g. ClinVar) with the exception of novel variants predicted to severely impact the protein in a small subset of genes.
- Genetic testing is a rapidly evolving field, and there is always a chance certain variants reported as pathogenic in medical literature are not included in the public databases used by Veritas. The interpretation provided in your report is based on information available at the time of testing and may change in the future as more information becomes available. For example, there is a chance that future medical advancement may determine a variant currently thought to be pathogenic is benign, or a variant currently thought to be benign is pathogenic.
- A written report will be provided to me and my ordering provider via my access to the Veritas Genetics online web portal. Variants in my DNA determined by Veritas to be pathogenic or likely pathogenic (known or expected to be disease causing) will be reported, accompanied by detailed discussions of these specific findings. Benign variants, likely benign variants, and variants of uncertain significance (VUS) are typically not reported, although occasionally, exceptions may be made. For example, a VUS may be reported if there is enough evidence to warrant consideration of medical follow up.
- The finding of a pathogenic (or likely pathogenic) variant does not mean I have a 100% certainty of developing a disease associated with that variant(s). All positive findings (pathogenic or likely pathogenic variants) should be further discussed

with my healthcare provider to evaluate whether confirmation or changes to medical care are indicated.
- The Veritas myGenome report may also include information on Traits and Ancestry as well as Drug Sensitivities (Pharmacogenomics or PGx), if performed.
- I acknowledge that future reinterpretation of my results may be available for an additional fee.
- Veritas will only release a copy of my test report to other individuals/healthcare providers if they have my written permission (Veritas Protected Health Information form).
- My test report may become part of my medical record.

4. Benefits of Testing:

- I understand my Veritas myGenome results may help me and my health care providers make more informed choices about my health care. I may learn I have one or more genetic variants that predispose me to certain conditions for which prevention and/or treatment strategies are available.
- I may learn that the myGenome test did not identify any pathogenic or likely pathogenic variants in genes associated with disease or health conditions, and/or that I carry variants in genes which protect against the development of certain diseases. However, this type of result does not eliminate all risk to develop these diseases.
- I may learn I am a carrier for a recessive genetic condition. In most cases this will not have an impact on my own health, but could increase my chance to have a child affected with a genetic disorder if my partner were a carrier for the same disorder. Knowing this information could be useful to me for family planning purposes. If I am identified as a carrier, further screening options for me, my spouse/partner, and other family members may be considered and should be discussed with my genetic counselor/ healthcare provider.
- The Veritas myGenome test will give me insight regarding my ancestry. People with similar backgrounds share certain patterns of genetic variation, which is not only interesting but could also provide health-related information.
- I may learn from my Pharmacogenomics report (if performed) how I may respond to certain medications. Genetic variants may influence my response to drugs and can help my prescribing healthcare providers individualize drug therapy, decrease the chance for adverse drug events, and increase the effectiveness of drugs I am taking now or in the future.
- I may learn about selected lifestyle Traits that may be modifiable with lifestyle changes, such as exercise, diet, and nutrition.
- My Ancestry report may give me insight regarding my ancestry. People with similar backgrounds share certain patterns of genetic variation, which is not only interesting but could also provide health-related information.

5. Risks of Testing:

- Unperceived risk: It is possible my Veritas myGenome results may reveal information about myself or my relatives that I would rather not know. For example, I may learn information about predispositions to disease, including ones for which there is no available treatment or cure. I understand that I should talk to my physician or genetic counselor prior to genetic testing, so that I am fully aware of the types of information I may learn.
- Genetic Discrimination: To address concerns regarding possible health insurance and employment discrimination based on genetic information, many states as well as the United States federal government have enacted protective laws. These laws may not protect against genetic discrimination when applying for life insurance, disability insurance, or long-term care insurance. I will talk to my physician or genetic counselor if I have concerns about genetic discrimination prior to screening.
- For non-USA patients: It is my responsibility to know the genetic discrimination laws and risks in my country, and I will talk to my physician or genetic counselor if I have concerns about genetic discrimination prior to genetic testing.
- Electronic Security Risks: The internet, wireless services, and any electronic storage, including those used by Veritas, may not be 100% secure. When my information is stored or transmitted, there is always a risk that the security on the device or communications may be breached and someone else may then gain access to my screening results or information or re-identify anonymized data as my data.
- Potential Side Effects of Sample Collection: There are no known significant adverse effects from self-collected saliva. When blood is collected as the source of DNA, adverse effects are rare but may include swelling, soreness, bruising, dizziness, fainting, or infection.

6. Medical Care:

- I understand that the data, interpretation and overall results reported by Veritas are not a substitute for medical care. I am aware that this screening test may identify variants highly suspected of causing serious medical disease, which may lead to voluntary medical follow-up for some clients. I acknowledge that the cost of any clinical confirmation and subsequent

medical follow-up will be my sole responsibility. I understand that all variants considered clinically relevant in my report should be confirmed with secondary testing before changes to my healthcare are made.

- I understand that any medical or health decision should consider more than just genetic screening results. Genetic variation can cause or greatly increase the risk of developing specific conditions. However, for many diseases and conditions, genetics contributes only a part of my overall risk. Lifestyle choices and environmental exposures often contribute equal or greater risks to my health. In the same way, not having a genetic risk factor does not guarantee that I will not develop health conditions.
- I understand that my Pharmacogenomics results (if performed) should be further discussed with my healthcare providers. I should never change my drug regimen except under the guidance of my authorized healthcare providers.
- Traits pertain to characteristics that are heavily influenced by multiple genetic and environmental factors. Some of these characteristics are modifiable with lifestyle changes, such as exercise, diet, and nutrition, while some are inherited predispositions. Because of the complexity of these traits, I will discuss any concerns I have about these findings with my healthcare providers.

7. Genetic Counseling:

- Genetic counseling should be considered before and after this test. My results may prompt additional testing or physician consultation(s). My ordering healthcare provider will make the final interpretation about what the results of myGenome report and the diagnostic interpretation service mean for me and provide the appropriate follow up recommendations.
- Veritas Genetics provides genetic counseling services in certain geographic areas. For additional information, I can contact the Veritas Clinical team at 1-888-507-6619 or clinical@veritasgenetics.com. A list of genetic counselors by geographic area in the USA is also available at the following link: https://www.nsgc.org/page/find-a-genetic-counselor.

8. Implications for My Family:

- The Veritas myGenome screening results may have implications for my blood relatives (parents, siblings, children, etc.). I understand I should speak with my genetic counselor, physician, or other licensed healthcare professional about whether I should share my screening results with others.

9. Screening of Myself, Not Children:

- I affirm that I am at least 18 years old and am the person ordering this screening test. I agree that Veritas can release to legal authorities as it deems appropriate any of the information provided if they determine the preceding sentence may not be accurate. Veritas reserves the right to cancel the myGenome test without refund or return of results if it is determined that I have misrepresented my age or identity when ordering the test.

10. Sample Requirement:

- This test requires saliva or whole blood. In some cases, an additional sample may be requested if the volume, quality, and/or condition of the initial specimen is not adequate.

11. Additional Use of Sample:

- Veritas will store my sample for a time period as required by Massachusetts state law (potentially indefinitely except as prohibited by law). DNA variant(s) identified in my sample may be shared in HIPAA-compliant public databases, such as ClinVar (http://www.ncbi.nlm.nih.gov/clinvar) intended to aid the medical community in the interpretation and diagnosis of genetic disease. In all instances, my data would be de-identified (name and all personal identifying information removed) before this information is shared.
- My de-identified sample may be used for new test development and/or laboratory quality assurance purposes by the lab or its collaborators. Additionally, de-identified information from my sample may also be used in scientific publications or presentations. I understand that if my sample is used for these purposes, I will not receive any compensation from resulting innovations.

12. Raw Data:

- An adjunct variant call format (VCF) file will be made available upon request for an additional fee. The VCF file reports all called variants, with no filtering for quality or read depth, such that a fraction of variants in this file are false positive calls. In addition, there is no warranty that the VCF file will work with third party tools. Veritas does not provide the raw genetic sequencing data (BAM File).

I acknowledge the following:

a. My participation in genetic screening is voluntary.

b. The myGenome test is a screening test and not intended for diagnostic use.

c. I have been offered the opportunity to ask questions and discuss with my healthcare provider the benefits, risks, and limitations of this screening test. I have been informed about the availability of genetic counseling after testing to help me understand my results.

d. My ordering provider will receive a copy of my test results.

e. I certify that I am 18 years of age or older.

f. I have read this document in its entirety and realize I may retain a copy for my records.

g. I consent to having the myGenome test performed and I will discuss the results and appropriate medical management with my healthcare provider.

Yes ☐ No ☐

My Test Results: Veritas may use my sample and my Data to produce the report I have purchased and to use my Data internally to improve the results provided to me and to others.

By selecting "Yes" I authorize Veritas to sequence my sample, to use my Data internally, and to produce and provide my Clinician and me with my results of any genetic test or service I purchase from Veritas in accordance with the Veritas Privacy Policy and Terms of Service.

If my answers to any question necessary or helpful to process my request for test or services are not complete, Veritas may recontact me for an answer.

If I select no, Veritas will not be able to provide me with the results of any genetic test or service I have purchased from Veritas, and I will not be able to conduct business with Veritas.

Terms such as "Clinician", "Data" and "Veritas" are defined in Veritas' Privacy Policy and below.

The term "Clinician" means my ordering physician or any clinician consulted at my or my ordering physician's request, such as a genetic counsellor, clinical pharmacologist, or other clinician.

The term "Data" means information from sequencing my sample, answers to any survey or other information such as patient or family history I or my Clinician may provide to Veritas, any test result, consult note or analysis generated by Veritas from other Data.

The term "Veritas" references Veritas Genetics, Inc. and its affiliated companies.

Veritas may use or generate my Data to produce results of my test or service purchased from Veritas. Veritas may use my Data internally to generate statistics regarding the turn-around time to report test results, or other quality metrics to improve test results for me or others ordering the test. Veritas believes it is important to all of us to advance the field of genetics while preserving privacy. To preserve privacy, Veritas will take de-identification measures and also limit the scope of the data used to establish strong assurance that the data is not identifiable. The science of genetics depends on statistical comparison of data from many humans to improve test results that any lab may report. Additionally, the United States National Institute of Health (NIH) encourages labs to report certain patterns of genetic variants found to improve the effectiveness of testing for all humans, such as ClinVar. See: https://www.ncbi.nlm.nih.gov/clinvar/

A lab participating in ClinVar, such as Veritas, may submit a variant and its associated phenotype, based on results summarized or aggregated from de-identified Data across a population and not sharing the de-identified Data but rather only using portions of de-identified Data that would not permit re-identification of any one person taking a test. Similarly, Veritas may use portions of de-identified Data, that do not permit re-identification, of any one person to publish findings in professional journals.

With my consent Veritas may provide my Data onward to me or my Clinician. Only with my further consent can provide or use my Data, even if de-identified, for research purposes, even internally, subject to a commitment to keep my Data secure and a commitment not to attempt to re-identify my Data or transfer my Data onward, and in any event only with my further written consent.

I do not acquire any property rights of any kind in any research that may be developed even if I consent to share my Data.

Yes ☐ No ☐ **My Genome, My Journey:** Veritas may use my Data to answer questions I may ask or to determine if additional reports, such as updates based on newly discovered information, could be relevant to me.

By selecting "Yes", I authorize Veritas to store and use both my sample and my Data to determine if additional reports may be relevant to me or to answer questions I may ask. Additional reports may include new discoveries such as genes recognized as having clinically actionable findings, or new medications for which pharmacogenomic findings are available, or a new finding such as additional risk alleles that may be of interest or other new features. I authorize Veritas to recontact me to notify me regarding clinical updates or additional reports.

Note: I may withdraw this consent at any time and I may also request Veritas to delete my Data. (Contact support@veritasgenetics.com for more information.)

Yes ☐ No ☐ **Use My Data for Research:** I authorize Veritas to use my Data, when de-identified, for processing for archiving purposes in the public interest, scientific or historical research purposes or statistical purposes.

By selecting "Yes", I permit Veritas to store and use both my sample and Data to process my Data for processing for archiving purposes in the public interest, scientific or historical research purposes or statistical purposes. This purpose is recognized in Article 89 of the GDPR, the privacy rules commonly accepted as most favorable for consumers at the time of this data consent was drafted, May 25, 2018.

If I select "No", Veritas will produce my test results but will not otherwise use my remaining sample to perform or assist in the performance of scientific or historical research.

Note: Veritas for itself commits, and shall obtain the commitment for any research collaborator, that (1) my Data will not be used without my further consent to re-identify me; and (2) my Data shall not be onward transferred without my further consent. I may withdraw this consent at any time and I may also request Veritas to delete my Data and to instruct any research collaborator to delete my Data. (Contact support@veritasgenetics.com for more information.)

Yes ☐ No ☐ **Recontact for My Feedback:** Veritas may contact me to ask for my feedback about my customer experience.

Veritas may contact me directly or via a 3rd party research service to formally gather feedback about my experience with Veritas, its products, its employees and its affiliates in order to support Veritas in its efforts to improve their service to me and others like me. I will have the option of providing my responses anonymously, and I can opt out of participating in Veritas customer feedback research anytime by contacting Veritas at support@veritasgenetics.com.

Yes ☐ No ☐ **Recontact for Additional Health Information:** Veritas may contact me to provide additional health information for the purpose of improving the outcomes of whole genome sequencing.

Veritas may notify me regarding any opportunities to provide additional health-related information or other information that may be useful to improving how Veritas serves me and others like me with new insights and ideas for living healthier, longer. I may withdraw this consent at any time by contacting support@veritasgenetics.com.

Yes ☐ No ☐ **Recontact with New Product Offers:** Veritas may contact me with product offers for living healthier, longer.

Veritas may recontact me to provide information about new health and lifestyle products and services offered by Veritas Genetics, Inc. and its affiliated companies that are designed with the intent of improving my health and longevity, including new opportunities to participate in research. I may withdraw this consent at any time by contacting support@veritasgenetics.com.

PATIENT NAME (PRINTED)	PATIENT SIGNATURE	DATE (MM/DD/YYYY)